HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION PROJECT

4915 HARTE WAY,
SACRAMENTO, CA 95822

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

APPLICABLE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING AND ALL OTHER APPLICABLE CODES AND ORDINANCES:

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
2022 CALIFORNIA GREEN CODE, PART 11, TITLE 24, C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
2022 ELEVATOR SAFETY ORDERS, PART 8, DIVISION 1, CHAPTER 4, SUBCHAPTER 6, TITLE 24, C.C.R.
2022 TITLE 19 C.C.R., PUBLIC SAFETY, DIVISION 1 STATE FIRE MARSHAL REGULATIONS
2022 NFPA 13, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
2022 NFPA 14, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT, AND HOSE SYSTEMS
2022 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
2022 NFPA 72, NATIONAL FIRE ALARM CODE, AS AMENDED

NOTE:
THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE OR REGULATIONS. SHOULD ANY EXISTING CONDITIONS BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

SYMBOLS LEGEND

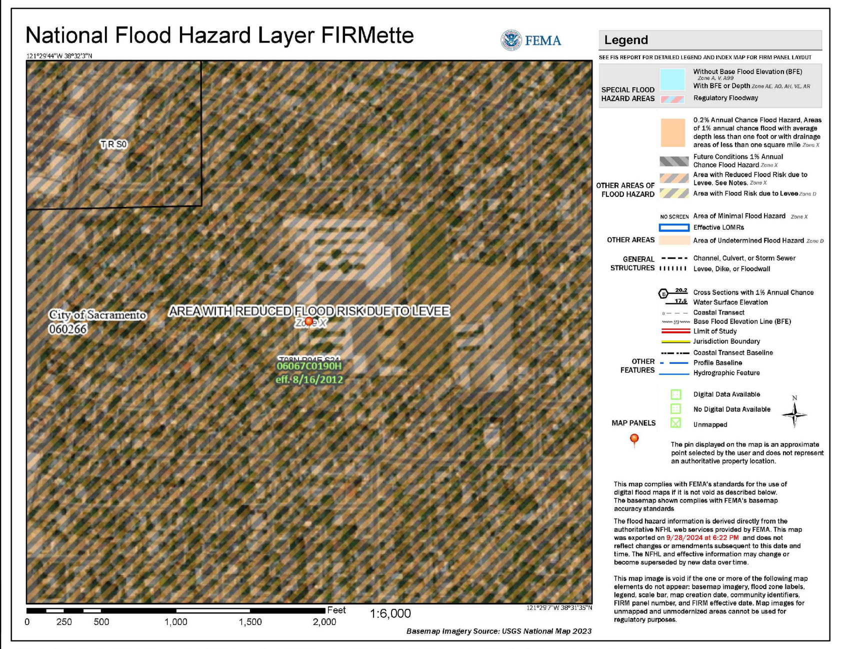
SEE INDIVIDUAL SHEETS FOR ADDITIONAL SHEET SPECIFIC SYMBOLS/ LEGENDS NOT INDICATED HERE - NOT ALL SYMBOLS/ LEGENDS WILL APPLY.

SECTION — A / A3.0 — SECTION NUMBER, SHEET NUMBER
DETAIL — 5 / A2.0 — DETAIL NUMBER, SHEET NUMBER
INTERIOR ELEVATION — N, E, S, W; 4 / A7.3 — DETAIL NUMBER, ELEVATION ORIENTATION, SHEET NUMBER
OPENING — 34
KEYNOTE — 6
WALL TYPE — 3
DATUM WORK POINT OR CONTROL POINT
DIMENSION MARKS
ROOM NAME — OFFICE
ROOM NO. — 106

ABBREVIATIONS AND SYMBOLS

CL	CENTERLINE	JT.	JOINT
⌀	DIAMETER OR ROUND	MTL.	METAL
#	POUND OR NUMBER	(N)	NEW
(E)	EXISTING	N.I.C.	NOT IN CONTRACT
A.C.	ASPHALT CONCRETE	NO. or #	NUMBER
A.C.C.	ACCESSIBLE	N.T.S.	NOT TO SCALE
A.D.	AREA DRAIN	O.C.	ON CENTER
A.F.F.	ABOVE FINISH FLOOR	O.F.C.I.	OWNER FURNISHED CONTR. INSTAL.
ALUM.	ALUMINUM	O.F.O.I.	OWNER FURNISHED OWNER INSTAL.
BD.	BOARD	OPNG.	OPENING
BLDG.	BUILDING	OPP.	OPPOSITE
BOT.	BOTTOM	P.L.	PROPERTY LINE
C.G.	CORNER GUARD	P-LAM.	PLASTIC LAMINATE
C.J.	CONSTRUCTION JOINT	PLYWD.	PLYWOOD
CLG.	CEILING	PREP.	PREPARATION
CLR.	CLEAR	P.P.	PIPE PENTRATION
C.M.U.	CONCRETE MASONRY UNIT	PRTN.	PARTITION
COL.	COLUMN	P.V.	PIPE VENT
CONC.	CONCRETE	R.	RISER/RADIUS
CONT.	CONTINUOUS	R.D.	ROOF DRAIN
C.F.C.I.	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	REF	ROOF EXHAUST FAN
CTR.	CENTER	REQ'D.	REQUIRED
DEMO.	DEMONSTRATION	R.H.	ROOF HATCH
D.F.	DRINKING FOUNTAIN	R.W.L.	RAIN WATER LEADER
DIA.	DIAMETER	SIM.	SIMILAR
DIM.	DIMENSION	STOR.	STORAGE
D.S.	DOWNSPOUT	SPEC.	SPECIFICATION
DTL.	DETAIL	S.S	STAINLESS STEEL
DWG.	DRAWING	STD.	STANDARD
E.F.	EXHAUST FAN	STL.	STEEL
E.J.	EXPANSION JOINT	STRL.	STRUCTURAL
EMERG.	EMERGENCY	SYM.	SYMMETRICAL
ELEV.	ELEVATION	T.B.	TACK BOARD
E.W.C.	ELECTRIC WATER COOLER	T.C.	TOP OF CURB
F.D.	FLOOR DRAIN	T.O.C.	TOP OF CONCRETE
F.E.	FIRE EXTINGUISHER	T.O.S.	TOP OF STEEL
F.H.C.	FIRE HOSE CABINET	T.O.P.	TOP OF PLATE
FIN.	FINISH	T.V.	TELEVISION
FL.	FLOOR	T.O.W.	TOP OF WALL
F.O.C.	FACE OF CONCRETE	TYP.	TYPICAL
F.R.P.	FIBERGLASS REINFORCED PLASTIC	U.O.N.	UNLESS OTHERWISE NOTED
GA.	GAUGE	U.V.	UNIT VENTILATOR
GALV.	GALVANIZED	VERT.	VERTICAL
G.B.	GRAB BAR	V.H.	VENT HOOD
GYP.	GYPSUM	VTR	VENT THROUGH ROOF
H.B.	HOSE BIBB	W/	WITH
H.C.	HOLLOW CORE	W.C.	WATER CLOSET
HGT./HT.	HEIGHT	WD.	WOOD
H.M.	HOLLOW METAL	W.V.	WATER VALVE
HR.	HOUR		
HVAC	HVAC UNIT		

FLOOD ZONE



THIS PROJECT IS NOT LOCATED IN THE SPECIAL FLOOD HAZARD AREA.

DEFERRED APPROVAL ITEMS

NONE.

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE SITE AND SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE CONSTRUCTION MANAGER BY THE MEANS OF AN REQUEST FOR INFORMATION (RFI) OR AS PART OF THE APPLICABLE SHOP DRAWING/SUBMITTAL.
2. SPECIFIC ITEMS NOTED TO BE VERIFIED OR FIELD VERIFIED ARE REQUIRED TO BE VERIFIED PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
3. CONTRACTOR IS RESPONSIBLE FOR ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE INSTALLATION OF NEW WORK. THIS INCLUDES, BUT IS NOT LIMITED TO, THE REMOVAL AND/OR REINSTALLATION OR ALL EXISTING ITEMS, OF PORTIONS OF THE EXISTING CONSTRUCTION WHETHER SHOWN OR NOT.
4. ALL WORK, MATERIALS, METHODS, ETC. SHALL CONFORM TO ALL GOVERNING BUILDING CODES AND REGULATIONS.
5. ANY CONFLICT BETWEEN THESE PLANS AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
6. ALL WORK SHALL BE IN COMPLETE CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OR AS OTHERWISE OUTLINED IN THE SPECIFICATIONS.
7. USE OF ANY NEW MATERIALS CONTAINING LEAD OR ASBESTOS IS PROHIBITED.
8. DETAILS, MATERIALS AND SCOPE OF WORK SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
9. THE TERM "TYPICAL" OR "(TYP.)" SHALL BE CONSTRUED TO MEAN APPLYING TO ALL LIKE OR SIMILAR CONDITIONS IN THE AREAS DESIGNATED FOR WORK SCOPE.
10. ALL PRODUCTS AND/OR MANUFACTURERS INDICATED ON DRAWINGS SHALL COMPLY WITH SPECIFICATIONS AND/OR BE APPROVED IN WRITING BY ARCHITECT PRIOR TO ORDERING OR INSTALLATION OF MATERIAL.
11. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDEN-DUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.A “DSA CERTIFIED” PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A MINIMUM CLASS 3 INSPECTOR IS REQUIRED.A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT, GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
12. FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL COMPLY WITH CFC CH 33.
13. THE EXISTING FACILITY HAS ASBESTOS CONTAINING MATERIAL IN VARIOUS LOCATIONS. ANY PART OF WORK REQUIRING REMOVAL OF ASBESTOS CONTAINING MATERIAL SHALL BE PERFORMED IN IN ACCORDANCE WITH THE ASBESTOS ABATEMENT SPECIFICATIONS EXHIBIT "C" OF THE PROJECT MANUAL.
14. THE EXISTING FACILITY HAS LEAD-CONTAINING MATERIALS IN VARIOUS LOCATIONS. ANY PART OF WORK REQUIRING REMOVAL OF LEAD CONTAINING MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE LEAD ABATEMENT SPECIFICATIONS EXHIBIT "D" OF THE PROJECT MANUAL.
15. CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND RE-INSTALLATION OF ALL EXISTING (E) ROOF-TOP PIPING, CONDUIT, WIRE AND EQUIPMENT DURING REPLACEMENT OF BLOCKING, SUPPORTS AND UNISTRUT.
16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL NECESSARY PERMITS AND APPROVALS ARE OBTAINED PRIOR TO BEGINNING WORK OR ORDERING MATERIALS.
17. CONTRACTOR TO COORDINATE WITH EQUIPMENT SUPPLIERS FOR POWER REQUIREMENTS, BLOCKING LOCATIONS, SUPPORT FOR EQUIPMENT, PLUMBING REQUIREMENTS AND ROUGH-IN LOCATIONS.
18. WHERE INCLUDED IN THESE DRAWINGS, "KEYNOTES" DENOTE NEW WORK TO BE PERFORMED UNDER THIS CONTRACT AND ARE IDENTIFIED TO THE RIGHT OF EACH SHEET. THE "KEYNOTE" NUMBER REFERENCES THE SPECIFICATION SECTION RELATED TO THE WORK DESIGNATED BY THE "KEYNOTE". "NOTES" DENOTE EXISTING ITEMS FOR REFERENCE ONLY AND ARE ALSO IDENTIFIED TO THE RIGHT OF EACH SHEET. "GENERAL SHEET NOTES" DENOTE DESCRIPTIONS OF ADDITIONAL NEW WORK SPECIFIC TO THE SHEET CONTAINING THE "GENERAL SHEET NOTE".
19. NOT ALL CEILING APPURTENANCES (SMOKE DETECTORS, EXHAUST FANS, ACCESS DOORS, ETC.) ARE SHOWN. CONTRACTOR TO FIELD VERIFY AND TAKE APPROPRIATE ACTION TO ACCOMMODATE THESE ITEMS.
20. ALL DEMOLISHED ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY. (SEE SPECIFICATIONS, SECTION 02072)

SCOPE OF WORK

CONTRACTOR SHALL READ AND UNDERSTAND THESE SCOPE ITEMS VERY CAREFULLY. SCOPE INDICATED HERE SHALL BE CONSIDERED TYPICAL FOR ALL AREAS OF THIS PROJECT UNLESS SPECIFICALLY INDICATED OTHERWISE IN THESE DRAWINGS. ALL SCOPE ITEMS INDICATED HERE MAY NOT BE NOTED WITHIN THESE DRAWINGS. CONTRACTOR SHALL CONSIDER THIS SCOPE AS TYPICAL IF SPECIFICALLY NOTED OR NOT. THESE DRAWINGS ARE TO PROVIDE THE CONTRACTOR WITH ONLY A GENERAL REPRESENTATION OF EXISTING BUILDING CONDITIONS. ALL MISCELLANEOUS SCOPE ITEMS AND FIELD CONDITIONS CANNOT BE COMPLETELY DOCUMENTED. CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGH SURVEYING SITE AND BUILDING INTERIORS PRIOR TO BID AND PRESENTING ANY CLARIFICATION QUESTIONS TO THE ARCHITECT PRIOR TO BID.

PAINT SCOPE INCLUDES, BUT IS NOT LIMITED TO:

1. PRIME AND PREPARE ALL SURFACES, FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE. SCRAPE AND SAND LOOSE ANY PEALING PAINT FOLLOWING ABATEMENT REQUIREMENTS FOR LEAD-CONTAINING MATERIALS. POWER WASH ALL SURFACES TO BE PAINTED OR CLEANED. SEE SPECIFICATION SECTIONS FOR ADDITIONAL PREPARATION INFORMATION.
2. PAINT ALL EXISTING PAINTED EXTERIOR AND INTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTIONS FOR ADDITIONAL SCOPE INFORMATION):

   WALLS, INCLUDING FOUNDATION STEM WALLS TO GRADE OR PAVING
   WALL LOUVERS
   FASCIAS
   GUTTERS AND DOWNSPOUTS
   CAP & EDGE FLASHINGS
   CANOPIES INCLUDING UNDERSIDES
   EXTENDED ROOF OVERHANGS AND COVERED WALKS INCLUDING UNDERSIDES
   WINDOW FRAMES (IF PREVIOUSLY PAINTED)
   INTERIOR & EXTERIOR SURFACES OF DOORS AND DOOR FRAMES
   DOOR MULLIONS AT PAIR DOORS
   PAINTED INFILL PANELS AT WINDOW LOCATIONS
   MISCELLANEOUS TRIM AND MOLDINGS
   PAINTED ORNAMENTAL IRON FENCING AND GATES
   PAINTED PLANTERS, RETAINING AND SITE WALLS
   PAINTED WOODEN BENCHES AND TABLES
   RELOCATABLE CLASSROOM BUILDINGS AND SKIRTS
   RELOCATABLE BUILDING RAMP, BUILDING SKIRTS & HANDRAILS
   HANDRAILS, GUARD RAILS, BARRICADE RAILS & FENCING
   ROOF TOP GAS PIPING (YELLOW STRIPES ONLY)
   NEW HARDCOURT STRIPING AT AC PAVING
   BASKETBALL, VOLLEYBALL, AND OTHER OUTDOOR EQUIPMENT POSTS
   EXPOSED TO VIEW AND IDENTIFIED ON THESE DRAWINGS
   OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS

3. DO NOT PAINT MISC. OUT BUILDINGS, "TUFF SHEDS", STEEL "CONEX" CONTAINERS AND OTHER STORAGE BUILDINGS, U.O.N.
4. ALL NATURAL COLOR, UNPAINTED BRICK, CONCRETE MASONRY AND EXPOSED AGGREGATE PRECAST CONCRETE PANELS TO BE THOROUGHLY POWER WASHED AND CLEANED.
5. REMOVE ALL LOOSE GLAZING PUTTY FOLLOWING ABATEMENT REQUIREMENTS FOR ASBESTOS CONTAINING MATERIALS PRO- VIDED IN THE SPECIFICATIONS. RE-GLAZE ALL AREAS OF CRACKED AND MISSING OR REMOVED GLAZING PUTTY WITH NEW MATERIAL. ONLY WORK ASSOCIATED WITH GLAZING PUTTY ABATEMENT, REPAIR AND REPLACEMENT SHALL BE ATTRIBUTED TO THE ALLOWANCE. ALL OTHER PREPARATION WORK SHALL BE CONSIDERED PART OF THE GENERAL SCOPE OF WORK AND COVERED IN THE BASE BID.
6. PAINT ALL CONDUIT TO MATCH ADJACENT SURFACE COLOR UNLESS OTHERWISE INDICATED.
7. REMOVE, PREP, PAINT AND REINSTALL ALL EXTERIOR METAL MESH SECURITY SCREENS AND ANY INTERIOR SECURITY SCREENS VISIBLE FROM THE EXTERIOR.
8. REMOVE AND REINSTALL ALL DIRECTIONAL SIGNAGE, ACCESSIBILITY SIGNAGE, REGULATION SIGNAGE UNLESS INDICATED TO BE REMOVED AND DISCARDED. AT ALL ROOM ID SIGNS, REMOVE SIGN, PATCH WALL FINISH, AND PROVIDE NEW ROOM ID SIGN AT ALL CLASSROOMS, BUILDING ENTRANCES, MULTI-FUNCTION SPACES, TOILET ROOMS, CUSTODIAL, ETC.
9. DO NOT PAINT EXISTING FACTORY FINISHED MATERIALS UNLESS OTHERWISE INDICATED, INCLUDING; HVAC UNITS ON THE BACK OF RELOCATABLE BUILDINGS, FIRE ALARM STROBE/HORNS, LIGHT FIXTURE BODIES & LENSES, BELLS, SPEAKERS, ETC. EXISTING CAGES AROUND THESE ITEMS, WHERE OCCUR, SHALL BE REMOVED, PREPARED, PAINTED AND REINSTALLED.
10. PROVIDE ACCOMMODATIONS FOR CANOPY SUPPORT STRUCTURE TO BE PAINTED IN A DIFFERENT "ACCENT" COLOR FROM UNDERSIDE SURFACES.
11. REMOVE ALL DECAL SIGNAGE (FIRE EXTINGUISHER LOCATION LABELS) AND OTHER SIGNAGE FROM DOORS OR WALLS TO BE PAINTED. SAND PAINTED DOOR IDENTIFICATION LABELS SMOOTH, PRIME AND PAINT. REPLACE WITH NEW SIGNAGE AT ALL LOCATIONS WHERE IT WAS REMOVED.
12. COLOR SELECTIONS SHALL BE MADE BY ARCHITECT AND OWNER AT TIME OF SUBMITTAL.
13. CAREFULLY MASK ALL DOOR HARDWARE TO AVOID ANY AND ALL PAINT FROM CONTACTING HARD-WARE FINISHES. ANY NEW PAINT FOUND ON DOOR HARDWARE WILL REQUIRE THE CONTRACTOR TO REMOVE THE HARDWARE COMPONENTS, CLEAN AND REINSTALL AT NO ADDITIONAL COST TO OWNER. DO NOT PAINT CLEAR ANODIZED ALUMINUM CONTINUOUS HINGES AT DOORS.
14. CONTRACTOR SHALL REMOVE (E) SURFACE APPLIED WEATHER STRIPPING FROM ALL METAL/WOOD DOOR FRAMES TO BE PAINTED PRIOR TO PREP WORK. CONTRACTOR SHALL INSTALL NEW PEMKO 297APK WEATHER STRIPPING AT JAMBS AND HEAD OF ALL EXTERIOR DOORS.
15. REPAINT DOOR SWING ARC ON CONCRETE AT ALL EXTERIOR OUT-SWINGING DOORS.

SITE DESIGN SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

1. PARKING LOT UPGRADES INCLUDING UPGRADES TO THE ACCESSIBLE SPACES.
2. ADDITION OF EV PARKING STALLS
3. UPGRADES TO PATH OF TRAVEL, INCLUDING PATH TO PUBLIC WAY AND CONCRETE WALKWAYS.
4. UPGRADES TO SITE FENCING AND PEDESTRIAN GATES.
5. LANDSCAPING UPGRADES THROUGHOUT THE CAMPUS.
6. NEW PLAYGROUND STRUCTURES AND UPGRADES TO THE AC PAVING.

REROOF SCOPE OF WORK INCLUDES BUT IS NOT LIMITED TO:

1. PROVIDE NEW TAPERED INSULATION AT AREAS IDENTIFIED ON ROOF PLAN.
2. INSTALL NEW ROOF DRAIN STRAINERS AT ALL GUTTER OUTLETS.
3. PROVIDE NEW GUTTERS AS SHOWN AT CANOPIES. RECONNECT TO EXISTING RAIN WATER LEADERS.
4. REPLACE ALL EXISTING ANCHORED ROOF BLOCKS.
5. HYDROJET/AUGER ALL RAIN WATER LEADERS AND UNDERGROUND STORM DRAIN LINES TO NEAREST CLEANOUT OR MANHOLE.

BEAUTIFICATION SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

1. REPLACING FLOORING AT ALL ROOMS IDENTIFIED ON FLOORPLANS.
2. REPLACING ALL CLOCK, BELL AND INTERCOM EQUIPMENT AND INSTALLING NEW DATA NETWORK EQUIPMENT, DISPLAYS, AND OTHER RELATED INFRASTRUCTURE AS SHOWN.

ARCHITECT'S STATEMENT OF GENERAL CONFORMANCE

☒ THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

☐ THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

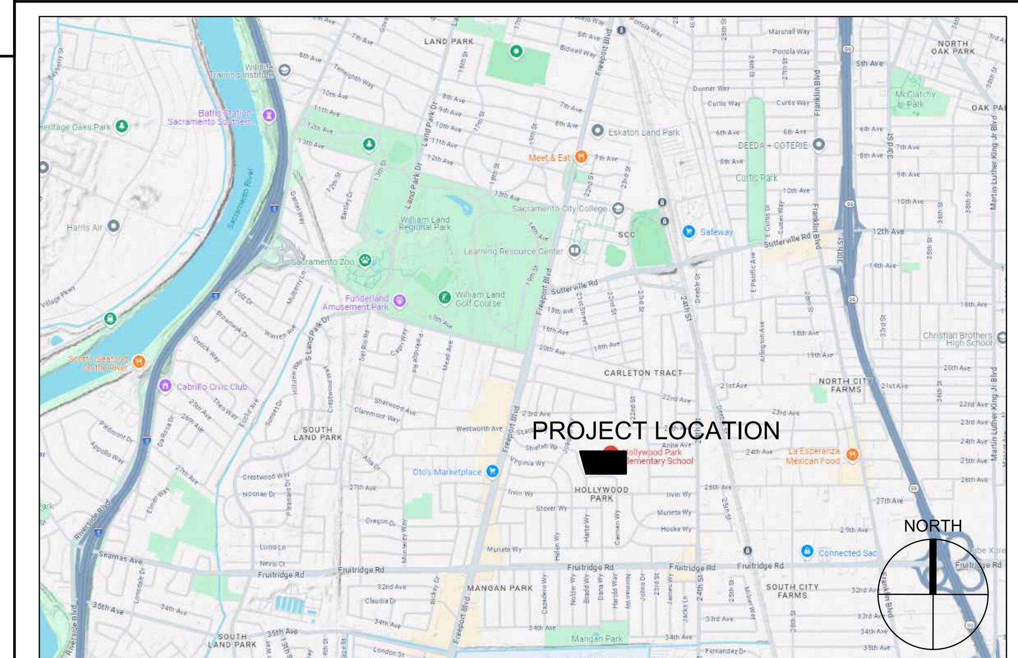
HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE “SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344” OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 [B])

BRIAN J. MAYTUM	JANUARY 22, 2024
ARCHITECT	DATE
C-26867	JANUARY 31, 2025
LICENSE NO.	EXPIRATION DATE

VICINITY MAP



PARCEL #: 01801400010000
HOLLYWOOD PARK ELEMENTARY SCHOOL
4915 HARTE WAY
SACRAMENTO, CA 95822

PROJECT TEAM

OWNER:
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47TH AVENUE
SACRAMENTO, CA 95824
PHONE: (916) 643-7400
CONTACT: CHRIS RALSTON

CONSTRUCTION MANAGER:
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133 RIVERSIDE AVE
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CONTACT: WAYNE SJOLUND

CIVIL ENGINEER:
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1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
PHONE: (916) 985-1870
CONTACT: ANTHONY TASSANO

LANDSCAPING:
MTW GROUP
2707 K STREET
SACRAMENTO, CA 95816
PHONE: (916) 369-3990
CONTACT: BRYAN WALKER

ARCHITECT:
NACHT & LEWIS ARCHITECTS
600 Q STREET, SUITE 100
SACRAMENTO, CALIFORNIA 95811
PHONE: (916) 329-4000
CONTACT: BRIAN MAYTUM

STRUCTURAL ENGINEER:
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1450 HARBOR BLVD, SUITE F
WEST SACRAMENTO, CA 95691
PHONE: (279) 225-0347
CONTACT: GREG RICHARDS

MECHANICAL/PLUMBING ENGINEER:
LP CONSULTING ENGINEERS, INC.
1209 PLEASANT GROVE BLVD.,
ROSEVILLE, CA 95678
PHONF: (916) 771-0778
CONTACT: SEAN POURVAKIL

KITCHEN EQUIPMENT:
AMD FOODSERVICE DESIGN .
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GARDEN VALLEY, CA 95633
PHONE: (530) 333-4606
CONTACT: PATRICK JONES

ELECTRICAL ENGINEER:
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ROSEVILLE, CA 95678
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CONTACT: RAMI ZEIDAN

FIRE ALARM:
KMM SERVICES, INC.
5433 EL CAMINO AVENUE, SUITE 5
CARMICHAEL, CA 95608
PHONE: (916) 359-4000
CONTACT: CHRIS CLUFF

TECHNOLOGY:
KMM SERVICES, INC.
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CARMICHAEL, CA 95608
PHONE: (916) 359-4000
CONTACT: RONNY KAGSTROM

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PC DRAWING: HIP ROOF SHADE STRUCTURE

PC-C1	COVER SHEET
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TOTAL SHEET COUNT: 134

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REVISIONS

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DATE: 10/01/2024
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SHEET TITLE

COVER SHEET

SHEET NO.

G000

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
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ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CJ	CONTROL JOINT
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EJ	EXPANSION JOINT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GB	GRADE BREAK
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PAD	BUILDING PAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SP	FIRE SPRINKLER SERVICE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

8" SD	STORM DRAIN LINE (SIZE AND FLOW SHOWN)
	STORM DRAIN MANHOLE (SDMH)
	CATCH BASIN (CB)
	DROP INLET (DI)
	AREA DRAIN (AD)
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
CO	STORM DRAIN CLEANOUT
99.99	ELEVATION
FF=100.00	FINISHED FLOOR ELEVATION
PAD=99.33	BUILDING PAD ELEVATION
	CONCRETE SIDEWALK
	GRADED DIRECTION FOR DRAINAGE FLOW
	SWALE
	SLOPE
	TREE TO BE REMOVED
	RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

6" SS	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
	SANITARY SEWER MANHOLE (SSMH)
CO	SEWER CLEANOUT FLUSHER BRANCH

PROPOSED WATER SYMBOLS:

8" W	WATER LINE & SIZE
8" FS	FIRE LINE & SIZE
8" DW	DOMESTIC WATER LINE & SIZE
8" RW	RECLAIMED WATER LINE & SIZE
8" IRR	IRRIGATION SERVICE LINE & SIZE
8" NP	NON POTABLE WATER LINE & SIZE
8" SP	FIRE SPRINKLER SERVICE LINE & SIZE
	GATE VALVE
M	WATER METER
FH	FIRE HYDRANT ASSEMBLY
FDC	FIRE DEPARTMENT CONNECTION
DC	DETECTOR CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
RP	REDUCED PRESSURE BACKFLOW PREVENTER
	BUTTERFLY VALVE
1"	AIR RELEASE VALVE + SIZE
1"	BLOW-OFF VALVE + SIZE
PIV	POST INDICATOR VALVE

SHEET INDEX

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C0.2	TOPOGRAPHIC SURVEY
C0.3	UTILITY SURVEY
C0.4	UTILITY SURVEY
C1.1	DEMOLITION PLAN
C1.2	DEMOLITION PLAN
C1.3	ENGINEERED FILL PLAN
C1.4	ENGINEERED FILL PLAN
C2.1	GRADING PLAN
C2.2	GRADING PLAN
C3.1	UTILITY PLAN
C3.2	UTILITY PLAN
C4.1	PAVING PLAN
C4.2	PAVING PLAN
C5.1	STRIPING AND SIGNAGE PLAN
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C6.1	EROSION CONTROL PLAN
C7.1	DETAILS AND SECTIONS
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C8.1	SITE FENCING AND GATE PLAN
C8.2	SITE FENCING AND GATE DETAILS
C8.3	SITE FENCING AND GATE DETAILS

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.

811 Know what's below. Call before you dig.

2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER <u>AND</u> WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.
24. AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.

37. TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
38. WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
39. GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
40. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
41. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
42. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
43. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH 2 COATS OF SEALCOAT.
43. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER.
44. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
45. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT ELEVATIONS. (0.0% MAX.)
46. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.9% IN ANY DIRECTION.
47. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

    CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 1.9%
    DIRECTION OF TRAVEL – 4.9%
    RAMP IN DIRECTION OF TRAVEL – 8.0%
    PLAZA 1.9% – IN ANY DIRECTION

48. THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1% MINIMUM AND 2% MAXIMUM.
49. TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.

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CIVIL GENERAL NOTES AND ABBREVIATIONS

SHEET NO.

C0.0

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
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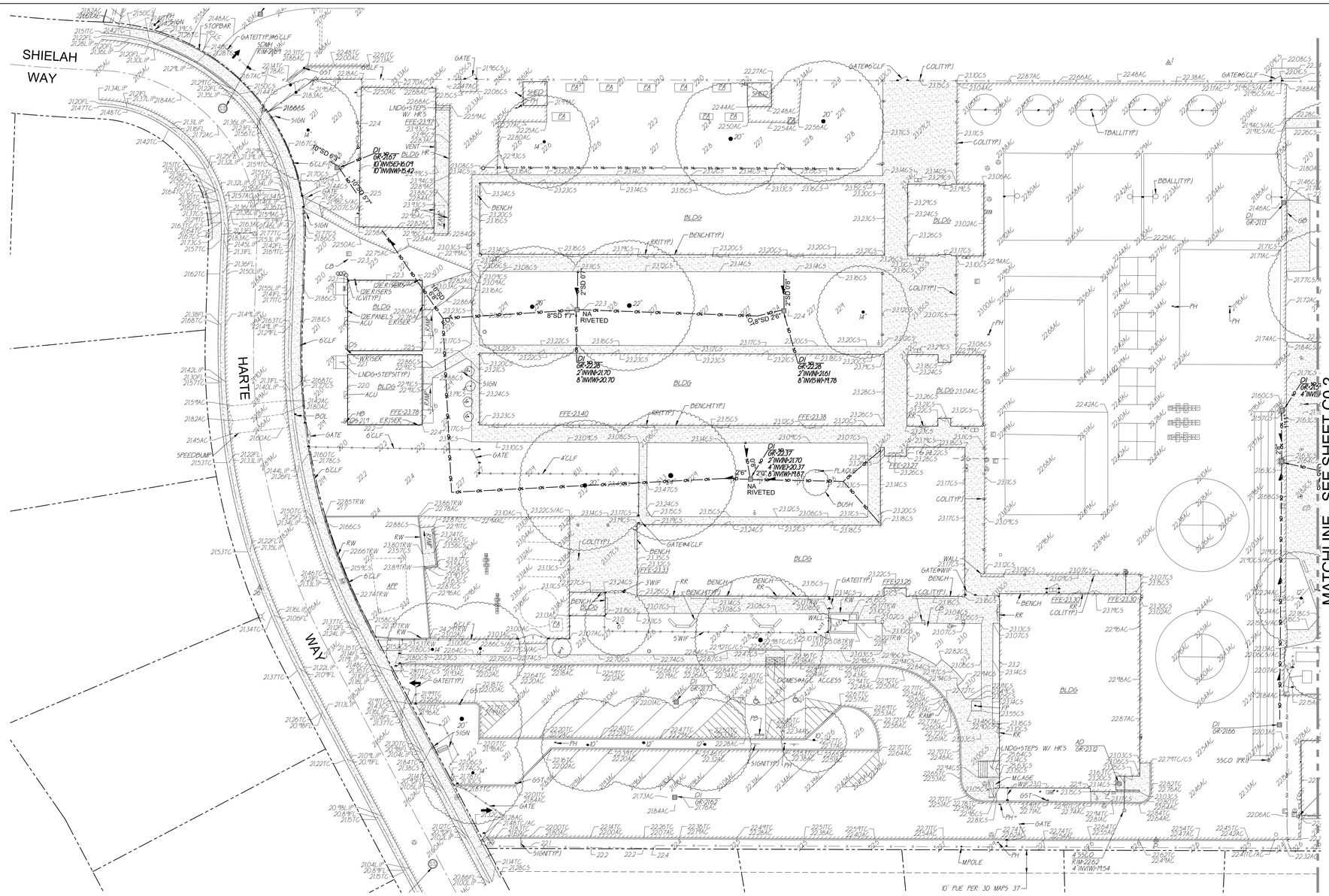
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
APP	APPARATUS
BBALL	BASKETBALL POLE
BCM	BRASS CAP MONUMENT
BFP	BACK FLOW PREVENTER
BL	BLOCK
BLDG	BUILDING
BOL	BOLLARD
BOV	BLOW-OFF VALVE
BR.	BRICK
B.W.F.	BARBED WIRE FENCE
C	COMMUNICATION
C/L	CENTERLINE
CATV	CABLE TELEVISION
CIP	CAPPED IRON PIPE
C.L.F.	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COL	COLUMN
CONC.	CONCRETE
COND.	CONDENSATE
CPF	CONTROL POINT FOUND
CPS	CONTROL POINT SET
CS	CONCRETE SURFACE
D	DEPTH
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DRWY	DRIVEWAY
DS	DOWNSPOUT
DWG	DRAWING
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
FA	FIRE ALARM
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOWLINE
FO	FIBER OPTIC
FS	FIRE SERVICE
G	GAS
GB	GRADE BREAK
GR	GRATE
GRB	GROUND ROD BOX
GROD	GROUND ROD
GV	GAS VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HP	HIGH PRESSURE
HR	HANDRAIL
HVE	HIGH VOLTAGE ELECTRIC
HWF	HOG WIRE FENCE
IC	IN CONCRETE
ICP	IRRIGATION CONTROL PANEL
ICV	IRRIGATION CONTROL VALVE
INV	PIPE INVERT ELEVATION
IRR	IRRIGATION
JP	JOINT UTILITY POLE
JT	JOINT TRENCH
LNDG	LANDING
LVE	LOW VOLTAGE ELECTRIC
M.	METAL
MH	MANHOLE
MS	MOW STRIP
MSC	METAL STORAGE CONTAINER
NTS	NOT TO SCALE
OH	OVERHEAD
OHANG	OVERHANG
OIP	OPEN IRON PIPE
OSPH	OLD STEEL POST HOLE
P/L	PROPERTY LINE
PA	PLANTER AREA
PB	PARKING BUMPER
PH	POSTHOLE
PIV	POST INDICATOR VALVE
PP	POWER POLE
PRKG	PARKING
PUE	PUBLIC UTILITY EASEMENT
PV	PAVERS
PVC	POLYVINYL CHLORIDE
R	RUBBER
RG	ROLLING GATE
RIM	MANHOLE RIM ELEVATION
ROW	RIGHT OF WAY
RW	RETAINING WALL
RWD	REDWOOD
RWL	RAIN WATER LEADER
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SIG	SIGNAL
SL	STREET LIGHT
SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STL.	STEEL
T	TELEPHONE
TBALL	TETHER BALL POLE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TOW	TOP OF WALL
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
UG	UNDERGROUND
UNK	UNKNOWN
V	VENT
VBALL	VOLLEYBALL
W	WATER
W/	WITH
WD.	WOOD
WF	WOOD FENCE
W.I.F.	WROUGHT IRON FENCE
W.R.F.	WOOD RAIL FENCE
XF	TRANSFORMER
XWALK	CROSSWALK



EXISTING TOPOGRAPHY

- = PROPERTY LINE
- = CENTERLINE
- = EASEMENT
- = PROPERTY CORNER FOUND AS NOTED
- = PROPERTY CORNER NOTHING FOUND OR SET
- △123 = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- 100 = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = SIGN
- = POST OR BOLLARD
- 99.9 = GROUND ELEVATION
- 99.99 = HARD SURFACE ELEVATION

TBM LIST

Number	DESCRIPTION	Northing	Easting	Elevation
1	CPS CHISELED "+"	9999.01	10002.41	22.61
10	CPS CHISELED "+"	10045.58	9634.92	22.99
15	CPS CHISELED "+"	9661.92	9997.05	22.57
16	CPS CHISELED "+"	9696.83	10207.40	23.44
26	CPS CHISELED "+"	9771.38	9608.22	21.43

BASIS OF BEARINGS:
30 MAPS 37

F.E.M.A. INFORMATION:
THE SUBJECT PROPERTY IS LOCATED IN "ZONE X (SHADED)--AREA WITH REDUCED FLOOD RISK DUE TO LEVEE" PER FLOOD INSURANCE RATE MAP 06067C0190H DATED AUGUST 16, 2012.

NOTE:
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES, UG LOCATING BY SUBTRONIC, AND RECORD INFORMATION.

A.P.N.	018-0140-001
BENCHMARK NO. 317-D3G	ELEV. 23.933

HILTI NAIL LIGHT BASE NW CORNER 24TH AVENUE AND 23RD ST.
NAVD 88

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
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DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
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Sacramento City Unified School District

REGISTERED PROFESSIONAL ENGINEER
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DATE: 10/01/2024

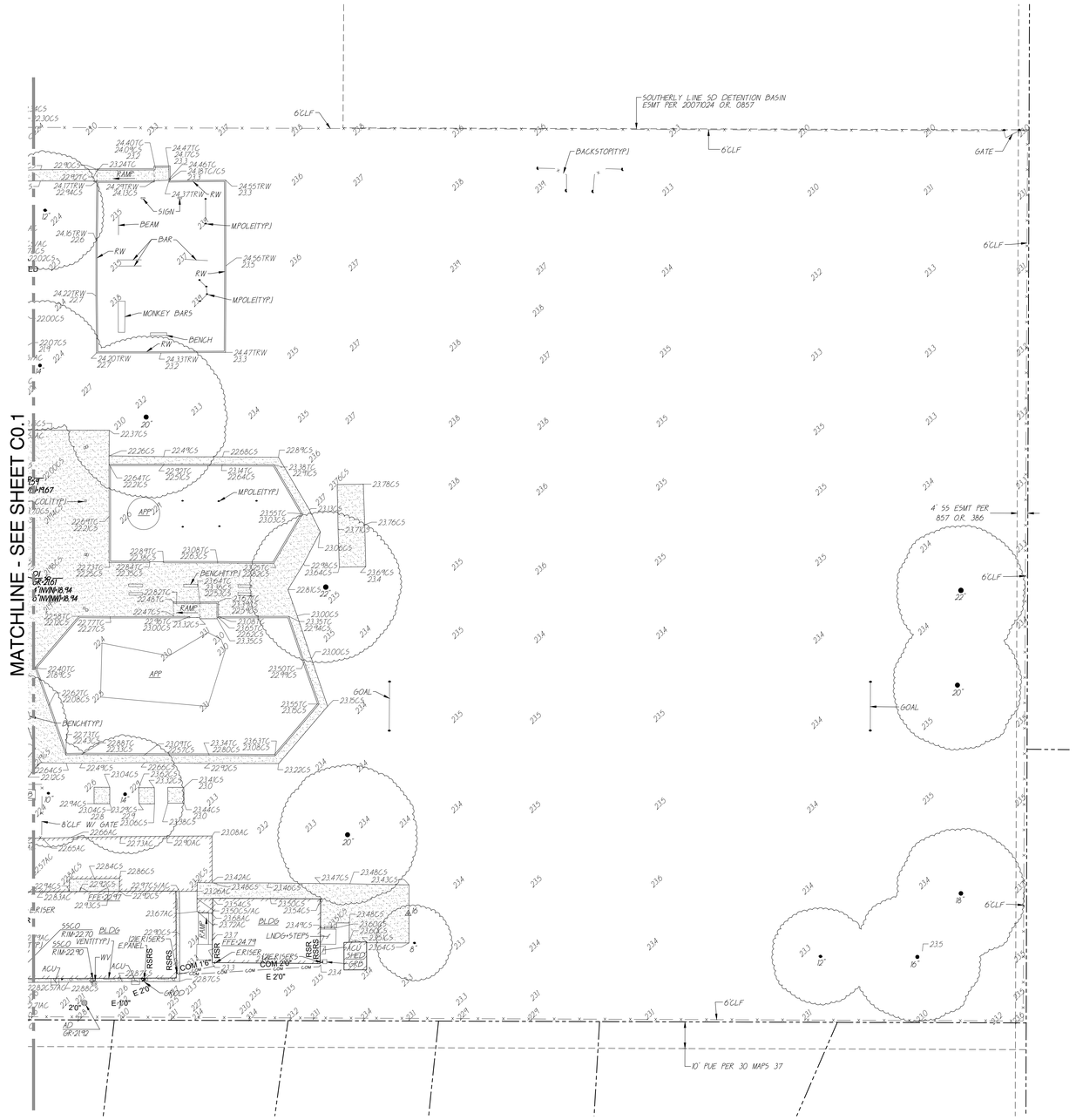
JOB NO.: Y2421.00

TOPOGRAPHIC SURVEY

SHEET NO.

C0.1

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



GRAPHIC SCALE

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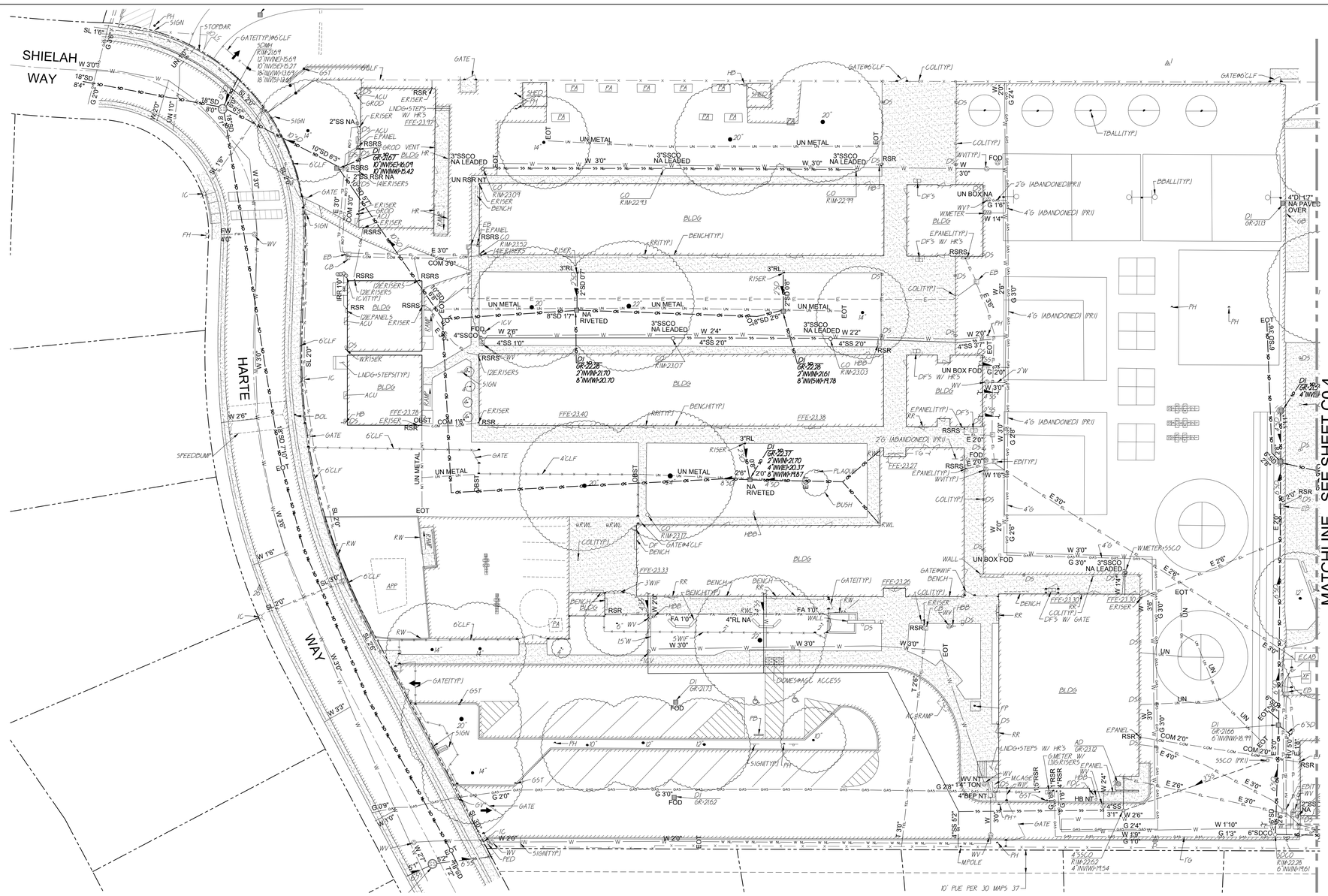
TOPOGRAPHIC SURVEY

SHEET NO.

C0.2

EXISTING UTILITIES

- 12"SD = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
- 12"SD = STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD = STORM DRAIN LINE (UNDERGROUND LOCATING)
- SD = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- = AREA DRAIN
- RWL = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SS = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- —W— = WATER LINE (SIZE INDICATED)
- — W — = WATER LINE (RECORD INFORMATION)
- — W — = WATER LINE (UNDERGROUND LOCATING)
- W = WATER MANHOLE
- = WATER VALVE
- = WATER METER
- = WATER BOX
- = IRRIGATION CONTROL VALVE
- = FIRE HYDRANT
- = BACKFLOW PREVENTER
- = SPRINKLER
- = HOSE BIBB
- — OH - E — = OVERHEAD ELECTRIC LINE
- — E — = UNDERGROUND ELECTRIC LINE
- — E — = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- — E — = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- E = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- = ELECTRIC METER
- = ELECTRIC BOX
- = STREET LIGHTING BOX
- OR = LIGHT STANDARD
- = SIGNAL LIGHT
- = FLOOD LIGHT
- = ELECTRICAL OUTLET
- — G — = GAS LINE (SIZE INDICATED)
- — G — = GAS LINE (RECORD INFORMATION)
- — G — = GAS LINE (UNDERGROUND LOCATING)
- G = GAS MANHOLE
- = GAS VALVE
- = GAS METER
- — T — = TELEPHONE LINE
- — T — = TELEPHONE LINE (RECORD INFORMATION)
- — T — = TELEPHONE LINE (UNDERGROUND LOCATING)
- = STORM DRAIN BOX
- = TRAFFIC SIGNAL BOX



NOTES:

Not all utilities may be shown.
Utility vault & sanitary/storm structure dimensions may not be fully represented.
Some laterals were not accessible & were therefore not located.
Depths shown are to center of conductive utility & are generally +/-10% of actual depth, when not distorted by adjacent conductors. Accuracy of electronic depth decreases when adjacent utilities are located within 5 ft.
Critical depths require verification by potholing.
Sanitary & storm depths are measured from rim to invert level.

Basis of Bearings:
Survey based on coordinates provided by Warren Consulting Engineers of CP15. CP15 is a cut cross.
CP15 N=9662.87 E=9998.30
Bench Mark Datum: CP15=Cut Cross
Elevation=99.96

LEGEND:

- SS — Sanitary Sewer
- SD — Storm Drain
- W — Water
- GAS — Gas
- UN — Unknown
- EL — Electric
- COM — Communications

(DIAMETER (INCHES)) (UTILITY NAME) (DEPTH)
6"SS 4'10"

ABBREVIATIONS

AB	ABANDONED	IRC	IRRIGATION CONTROL
BX	BOX	ICV	IRRIGATION CONTROL VALVE
CA	COMPRESSED AIR	IRR	IRRIGATION
CB	CATCH BASIN	JP	JOINT POLE
CI	CAST IRON	LV	LOW VOLTAGE
COM	COMMUNICATION	MH	MANHOLE
CMP	CORRUGATED METAL PIPE	NL	NOT LOCATED
CO	CLEAN OUT	NT	NO TRACE
CPT	CORROSION PROTECTION TEST BOX	OE	OPEN END
E	ELECTRIC	OBST	OBSTRUCTED
EOP	END OF PIPE	PED	PEDESTAL
EOT	END OF TRACE	PIV	POST INDICATOR VALVE
FDC	FIRE DEPARTMENT CONNECTION	RF	RADIO FREQUENCY
FO	FIBER OPTIC	RCP	REINFORCED CONCRETE PIPE
FOD	FULL OF DIRT/DEBRIS	RL	RAIN LEADER
FW	FIRE WATER	-RSR	" - " - RISER
G	GAS	SD	STORM DRAIN
GA	GAS ANODE	SIG	SIGNAL
GBX	GAS BOX	SL	STREET LIGHT
GM	GAS METER	SS	SANITARY SEWER
GND	GROUND WIRE	T	TELEPHONE
GPR	GROUND PENETRATING RADAR	TOP	TOP OF PIPE
GV	GAS VALVE	TON	TOP OF VALVE NUT
HB	HOSE BIB	TR	TRAFFIC SIGNAL
HV	HIGH VOLTAGE	TRP	TRAFFIC SIGNAL POLE
HYD	FIRE HYDRANT	TRBX	TRAFFIC SIGNAL BOX
IBX	IRRIGATION BOX	UN	UNKNOWN UTILITY
		WBX	WATER BOX
		WM	WATER METER
		WV	WATER VALVE

GRAPHIC SCALE
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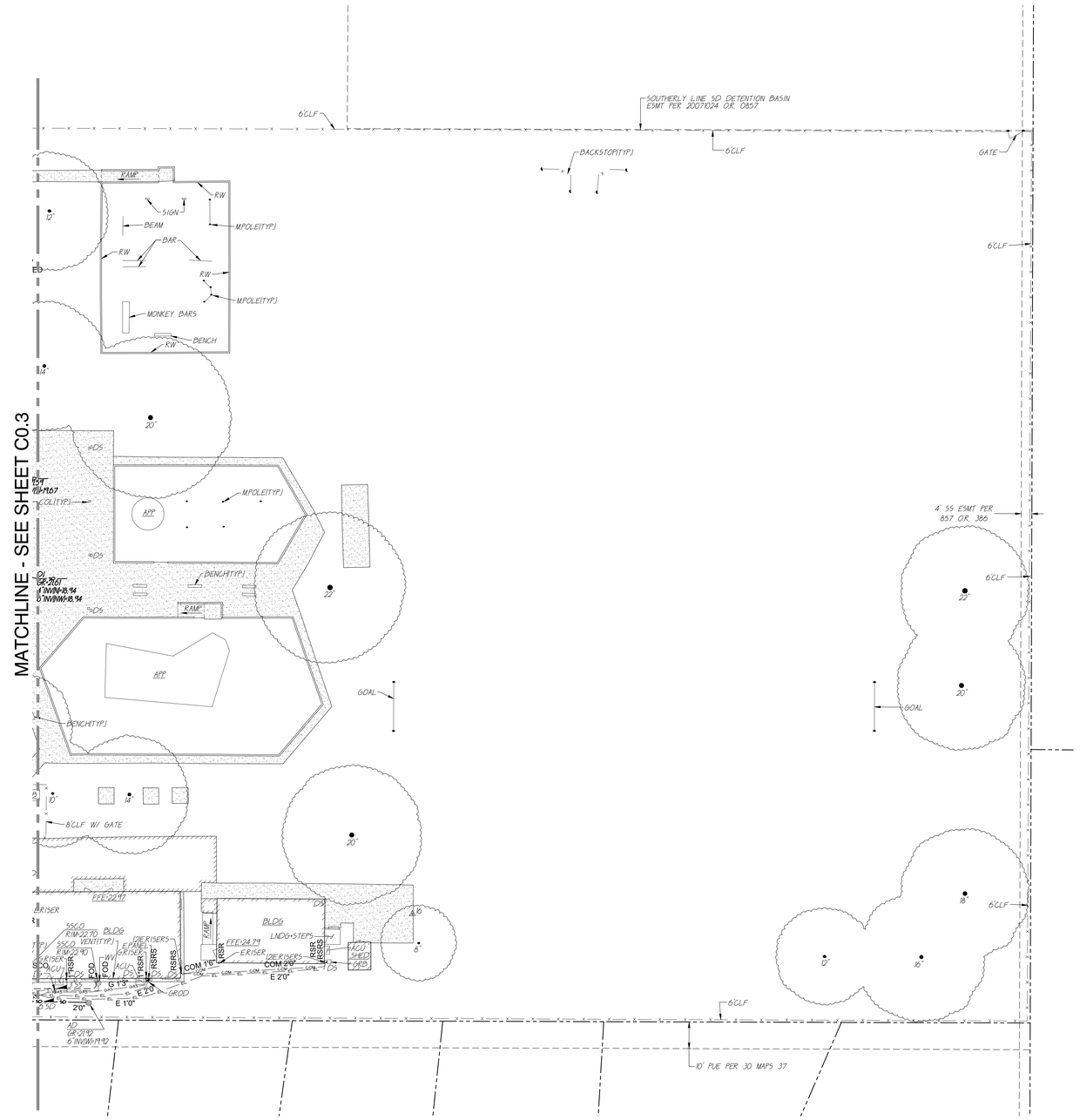
UTILITY SURVEY

SHEET NO.

C0.3



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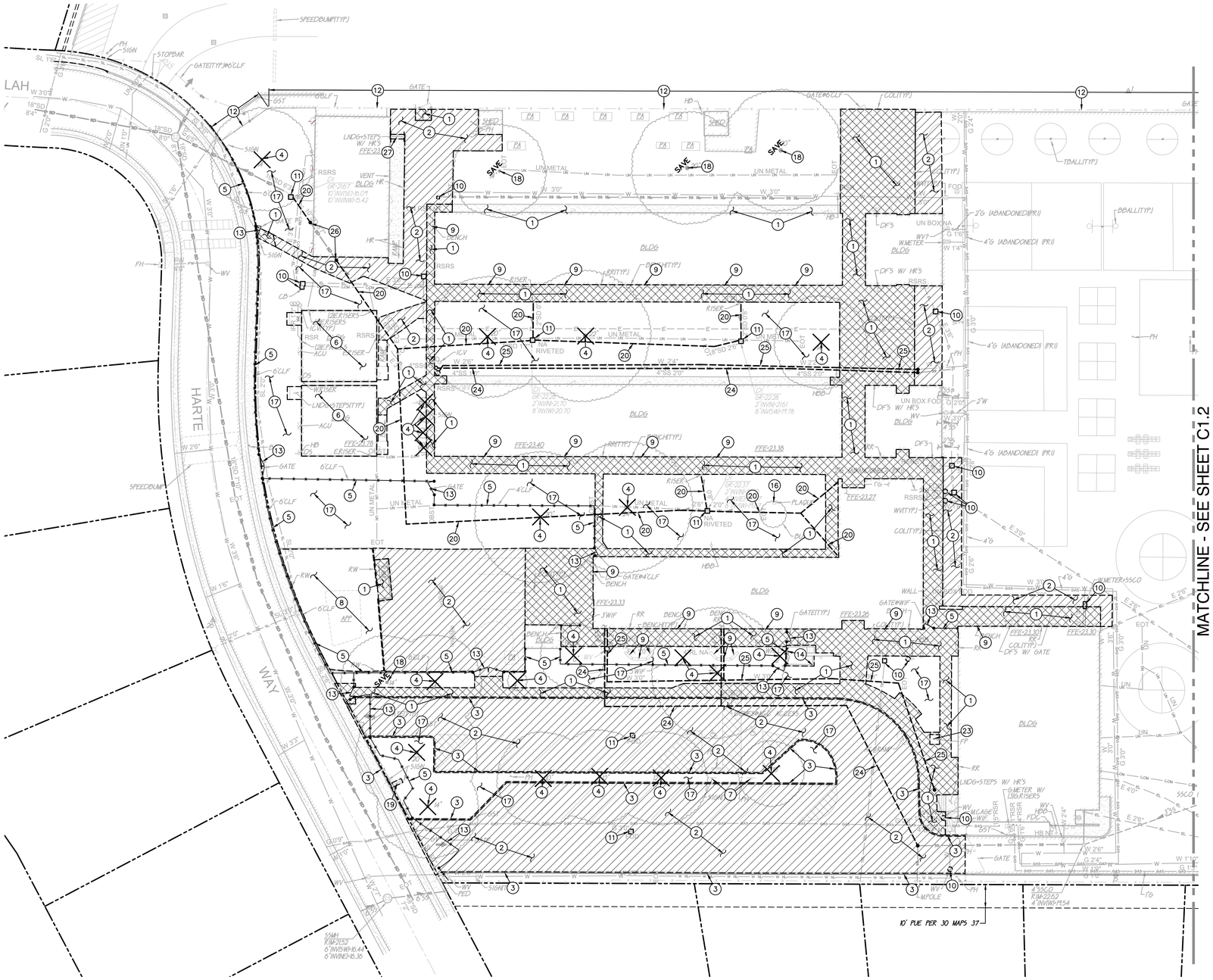
UTILITY SURVEY

SHEET NO.

C0.4



DEMOLITION NOTES

1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
3. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO EXTENT SHOWN.
4. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
5. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS AND ASSOCIATED FOOTINGS.
6. REMOVE AND DISPOSE OF EXISTING PORTABLE BUILDING, WOOD FOUNDATIONS AND RAMP/STAIRS. REMOVE UTILITIES BACK TO SERVICE POINTS.
7. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTING.
8. REMOVE AND DISPOSE OF APPARATUS PLAY EQUIPMENT, FOOTINGS, BARK MATERIAL AND PLASTIC CURBS.
9. REMOVE AND DISPOSE OF EXISTING BENCH.
10. REMOVE EXISTING UTILITY BOX AND/OR FRAME AND COVER AND PROVIDE NEW. NEW BOX SHALL BE SIMILAR IN SIZE, BUT WITH TRAFFIC RATING AND SLIP RESISTANT COVER.
11. REMOVE AND DISPOSE OF EXISTING DROP INLET.
12. REMOVE AND DISPOSE OF EXISTING FENCE FABRIC, RAILS AND HARDWARE. EXISTING POSTS TO REMAIN.
13. REMOVE AND DISPOSE OF EXISTING GATE, POSTS AND ASSOCIATED FOOTINGS.
14. REMOVE AND DISPOSE OF EXISTING BRICK PLANTER WALL.
15. REMOVE AND SALVAGE EXISTING BENCHES FOR REINSTALLATION.
16. REMOVE AND SALVAGE EXISTING PLAQUE.
17. REMOVE AND DISPOSE OF EXISTING TURF/VEGETATION AND ASSOCIATED IRRIGATION/SPRINKLERS. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
18. SAVE — EXISTING TREE TO REMAIN.
19. REMOVE AND DISPOSE OF EXISTING MONUMENT SIGN AND ASSOCIATED FOOTING.
20. REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE.
23. REMOVE AND DISPOSE OF EXISTING FLAG POLE AND ASSOCIATED FOOTING.
24. REMOVE AND DISPOSE OF EXISTING SEWER PIPE TO EXTENT SHOWN.
25. REMOVE AND DISPOSE OF EXISTING WATER PIPE TO EXTENT SHOWN.
26. CAP END OF PIPE.
27. REMOVE AND DISPOSE OF EXISTING CONCRETE STAIRS AND ASSOCIATED HANDRAIL

DEMOLITION GENERAL NOTES

1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
12. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

GRAPHIC SCALE

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NORTH

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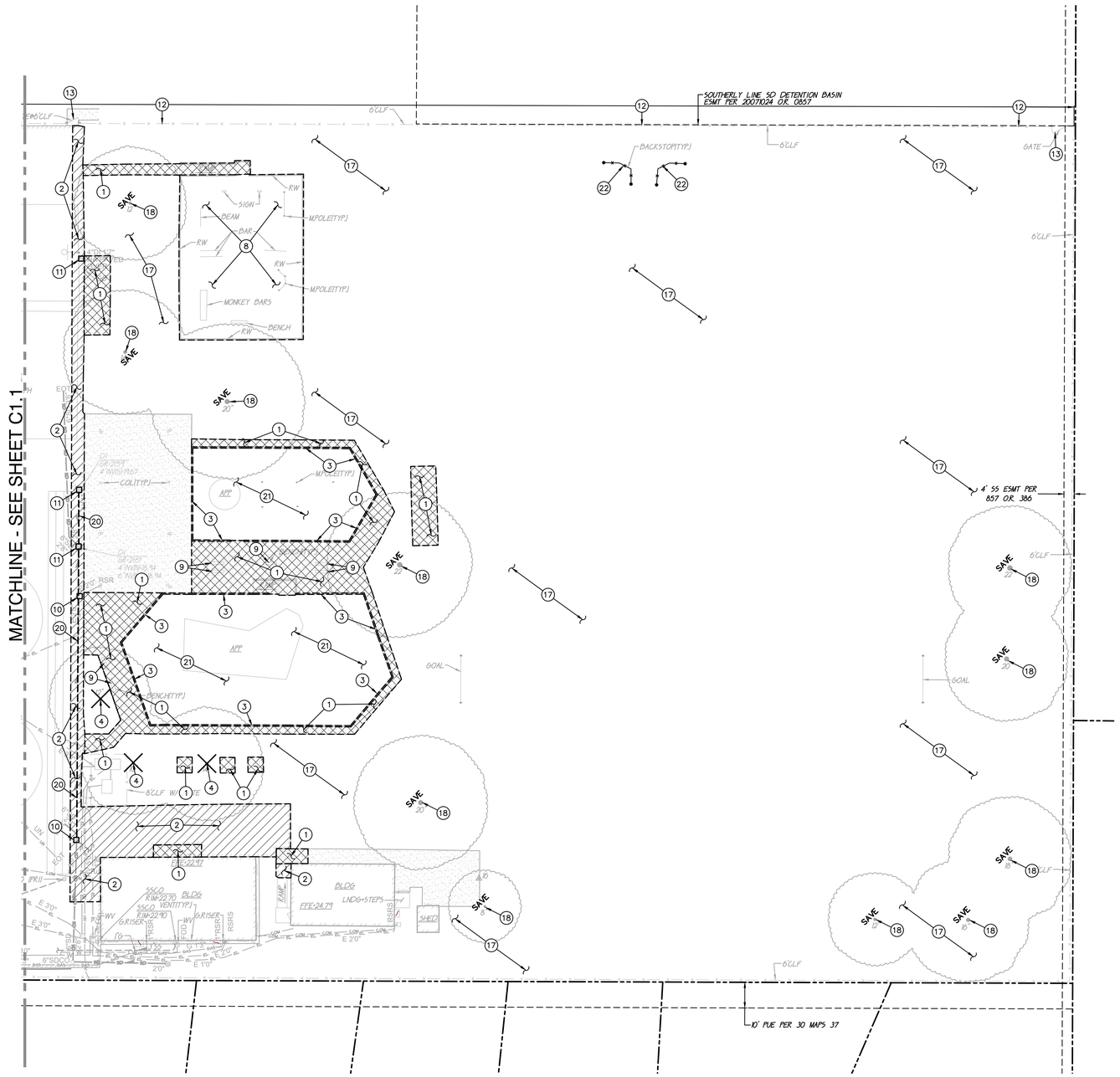
DEMOLITION PLAN

SHEET NO.

C1.1



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3. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO EXTENT SHOWN.
4. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
8. REMOVE AND DISPOSE OF APPARATUS PLAY EQUIPMENT, FOOTINGS, BARK MATERIAL AND PLASTIC CURBS.
9. REMOVE AND DISPOSE OF EXISTING BENCH.
12. REMOVE AND DISPOSE OF EXISTING FENCE FABRIC, RAILS AND HARDWARE. EXISTING POSTS TO REMAIN.
13. REMOVE AND DISPOSE OF EXISTING GATE, POSTS AND ASSOCIATED FOOTINGS.
17. REMOVE AND DISPOSE OF EXISTING TURF/VEGETATION AND ASSOCIATED IRRIGATION/SPRINKLERS. REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
18. EXISTING TREE TO REMAIN.
20. REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE.
21. REMOVE AND DISPOSE OF EXISTING APPARATUS PLAY EQUIPMENT, POSTS, FOOTINGS AND BARK MATERIAL.
22. REMOVE AND DISPOSE OF EXISTING BACK STOP AND ASSOCIATED FOOTINGS.

GRAPHIC SCALE

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DEMOLITION PLAN

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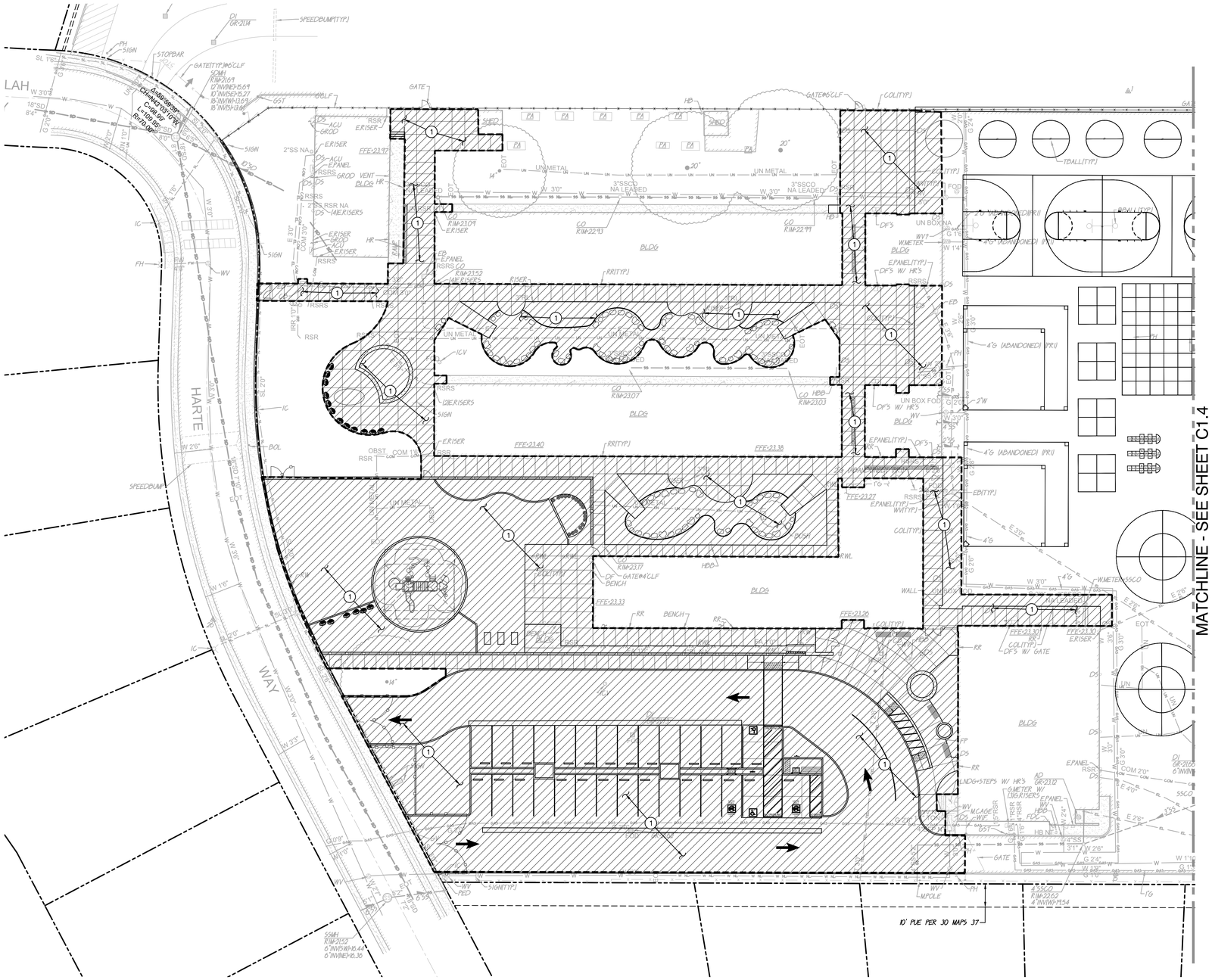

SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES,

   FOR AREAS TO BE CUT TO ACHIEVE SUBGRADE, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   FOR AREAS TO BE FILLED TO ACHIEVE SUBGRADE, SCARIFY EXPOSED SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. FILL MATERIAL SHALL BE PLACED IN LEVEL LAYERS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS. FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   THE UPPER 6 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVING SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY.

   SUBGRADE PREPARATION SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED ASPHALT AND CONCRETE PAVING WHEN NOT ABUTTING EXISTING PAVING..

GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER LABORATORY OF RECORD AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. NO BURNING SHALL BE PERMITTED.
3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

GRAPHIC SCALE

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Sacramento City Unified School District

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J TASSANO
NO. 17469
OF CALIFORNIA

CONSULTANT

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916.329.4000

ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

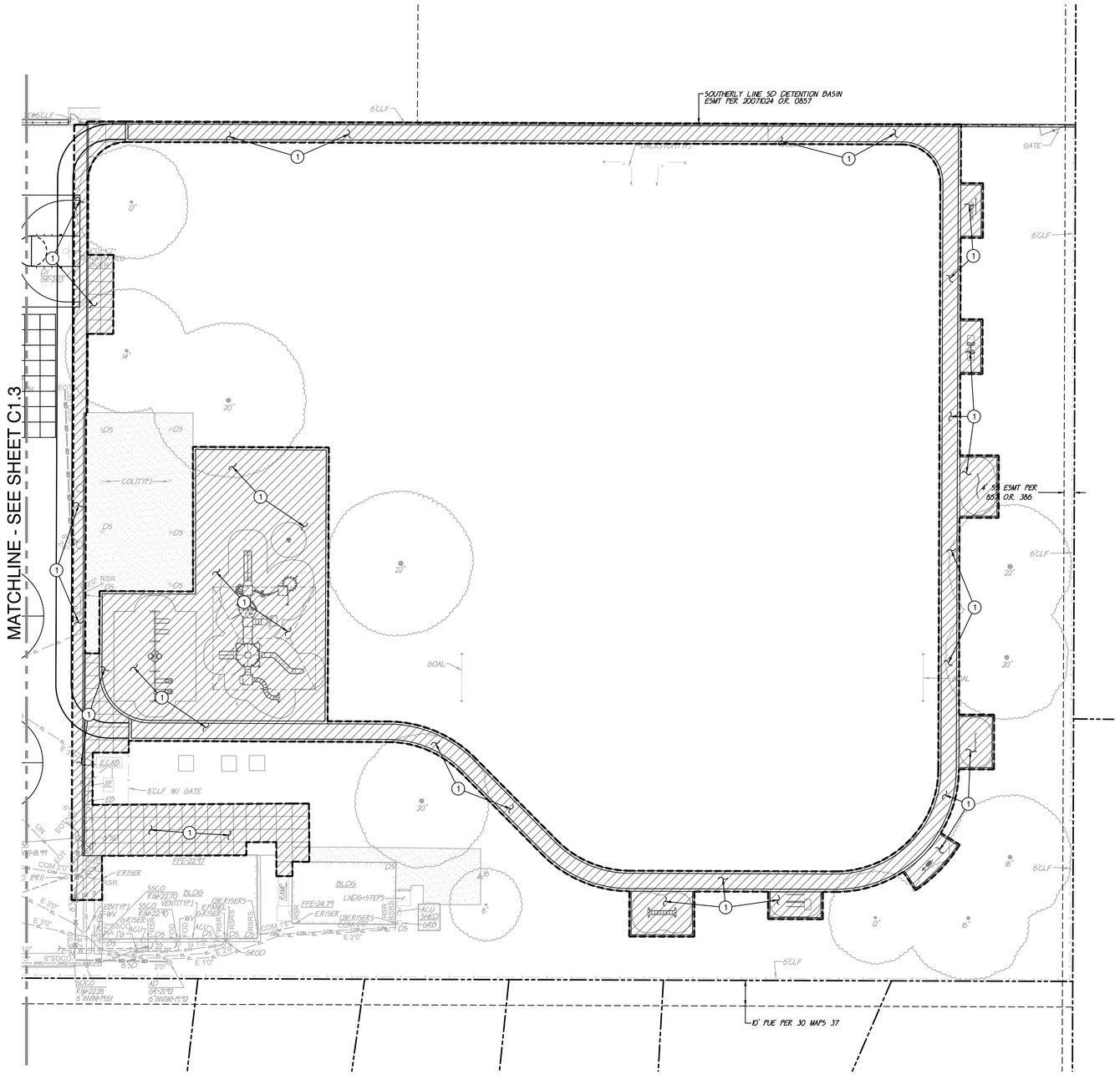
DATE: 10/01/2024

JOB NO.: Y2421.00

ENGINEERED FILL PLAN

SHEET NO.

C1.3



SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES,

FOR AREAS TO BE CUT TO ACHIEVE SUBGRADE, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

FOR AREAS TO BE FILLED TO ACHIEVE SUBGRADE, SCARIFY EXPOSED SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. FILL MATERIAL SHALL BE PLACED IN LEVEL LAYERS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS. FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

THE UPPER 6 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVING SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY.

SUBGRADE PREPARATION SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED ASPHALT AND CONCRETE PAVING WHEN NOT ABUTTING EXISTING PAVING..

GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER LABORATORY OF RECORD AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. NO BURNING SHALL BE PERMITTED.
3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

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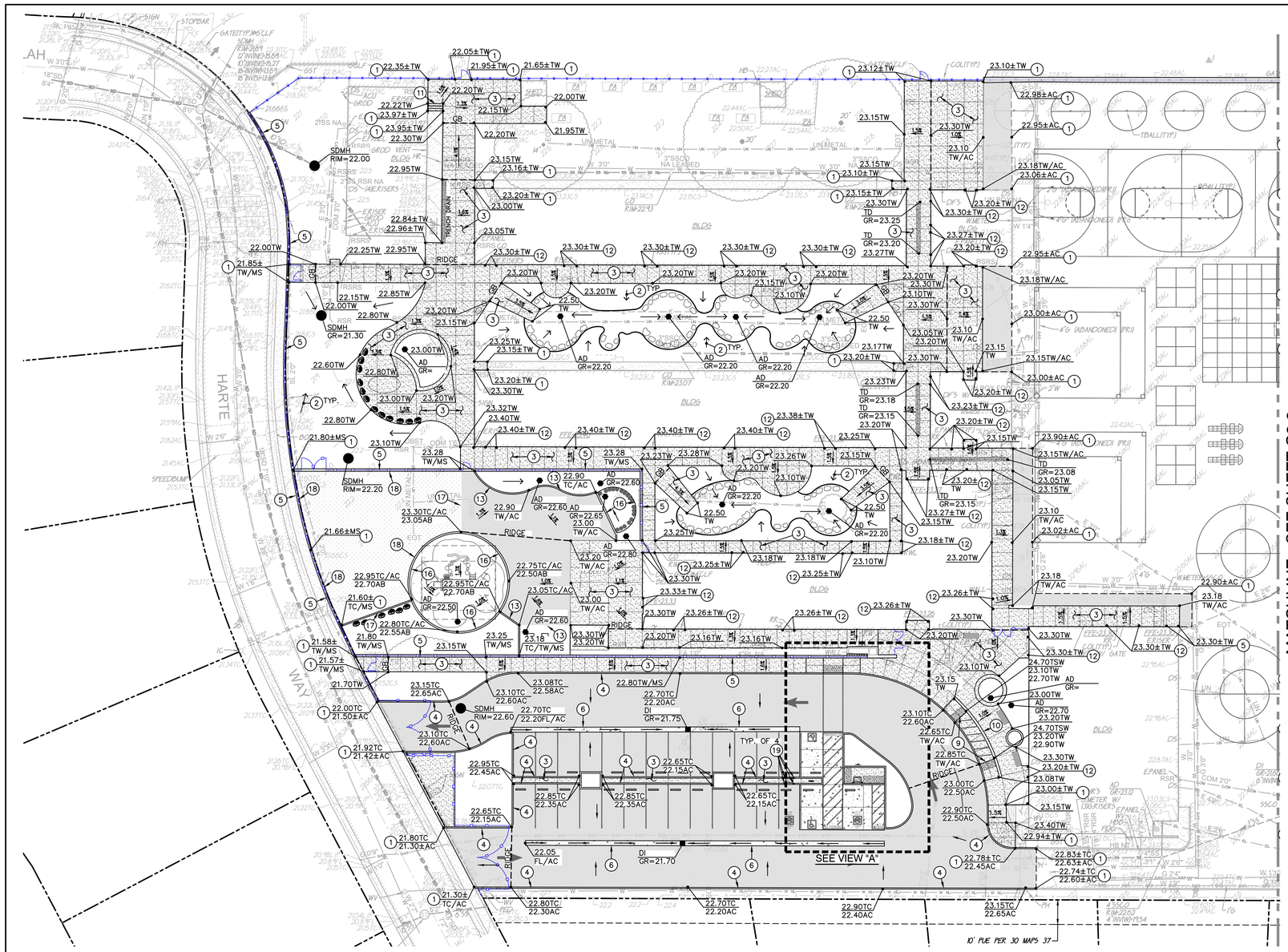
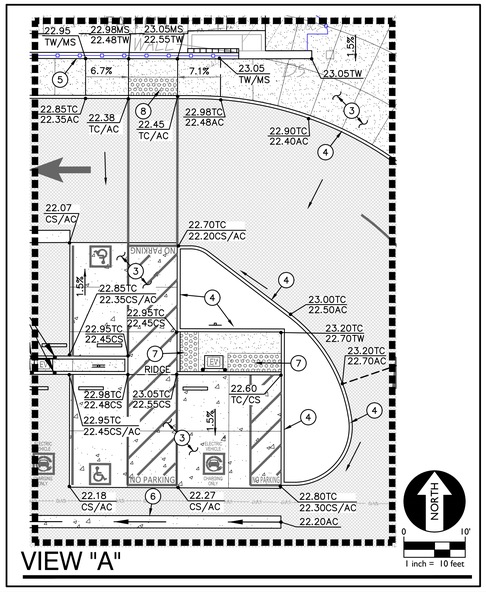
FILENAME: I:\24-072\CIVIL\DWG\24-072-C13-C14.DWG





VIEW "A"

GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. GRADE UNIFORMLY TO INLET AND/OR SWALE.
3. CONSTRUCT CONCRETE SIDEWALK PER 1/C7.1 SEE SHEET C4.1–C4.2 FOR PAVING THICKNESS.
4. CONSTRUCT CONCRETE CURB PER 2/C7.1
5. CONSTRUCT 12" WIDE CONCRETE MOWSTRIP PER 10/C7.1
6. CONSTRUCT CONCRETE VALLEY GUTTER PER 3/C7.1
7. PLACE TRUNCATED DOMES PER 4/C7.1
8. CONSTRUCT ACCESSIBLE CURB RAMP PER 8/C7.1
9. CONSTRUCT 20' WIDE ACCESSIBLE LOADING/UNLOADING ZONE PER 6/C7.1
10. CONSTRUCT CONCRETE SEAT WALL PER 7/C7.1
11. CONSTRUCT CONCRETE STAIRS WITH HANDRAILS PER 12/C7.1
12. PROPOSED SIDEWALK ELEVATION SHALL NOT BE MORE THAN ¼" BELOW EXISTING FINISH FLOOR ELEVATION.
13. CONSTRUCT FLUSH CONCRETE CURB PER 5/C7.1
16. CONSTRUCT 8" WIDE APPARATUS CURB PER 9/C7.1
17. CONSTRUCT CONCRETE CURB AT SYNTHETIC TURF PER 11/C7.2
18. PLACE NAILER AT CONCRETE EDGE FOR SYNTHETIC TURF PLACEMENT PER 11/C7.2
19. PLACE PIPE BOLLARD PER 13/C7.2 SIM.

GRAPHIC SCALE

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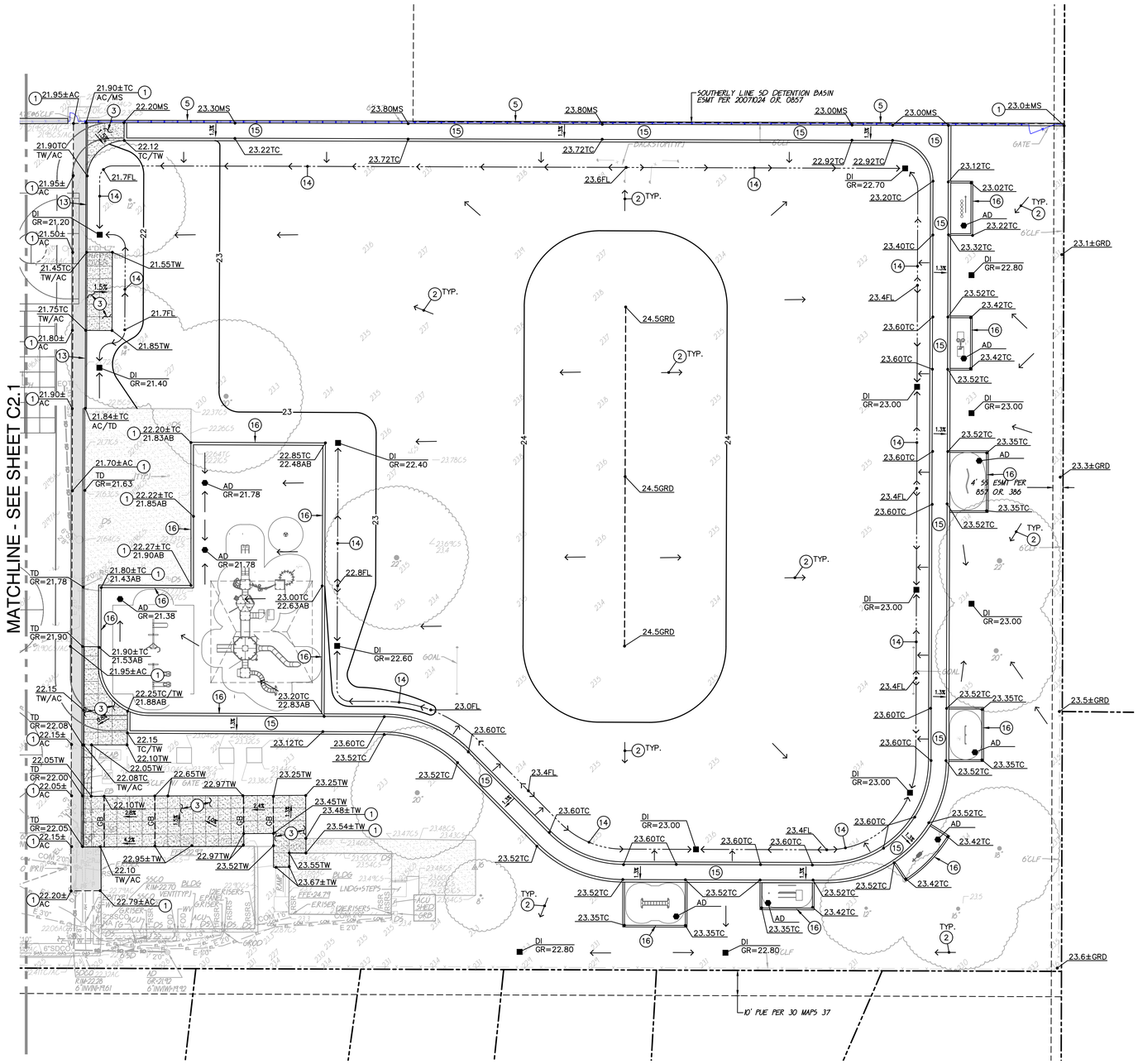
GRADING PLAN

SHEET NO.

C2.1

FILENAME: I:\24-072\CIVIL\DWG\24-072-C21-C22.DWG



GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. GRADE UNIFORMLY TO INLET AND/OR SWALE.
3. CONSTRUCT CONCRETE SIDEWALK PER (1/C7.1) SEE SHEET C4.1–C4.2 FOR PAVING THICKNESS.
5. CONSTRUCT 12" WIDE CONCRETE MOWSTRIP PER (10/C7.1)
12. PROPOSED SIDEWALK ELEVATION SHALL NOT BE MORE THAN 1/4" BELOW EXISTING FINISH FLOOR ELEVATION.
13. CONSTRUCT FLUSH CONCRETE CURB PER (5/C7.1)
14. CONSTRUCT SWALE.
15. CONSTRUCT CONCRETE CURBS AND CONCRETE PAD FOR SYNTHETIC RUNNING TRACK PER (11/C7.1)
16. CONSTRUCT 8" WIDE APPARATUS CURB PER (9/C7.1)

GRAPHIC SCALE

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GRADING PLAN

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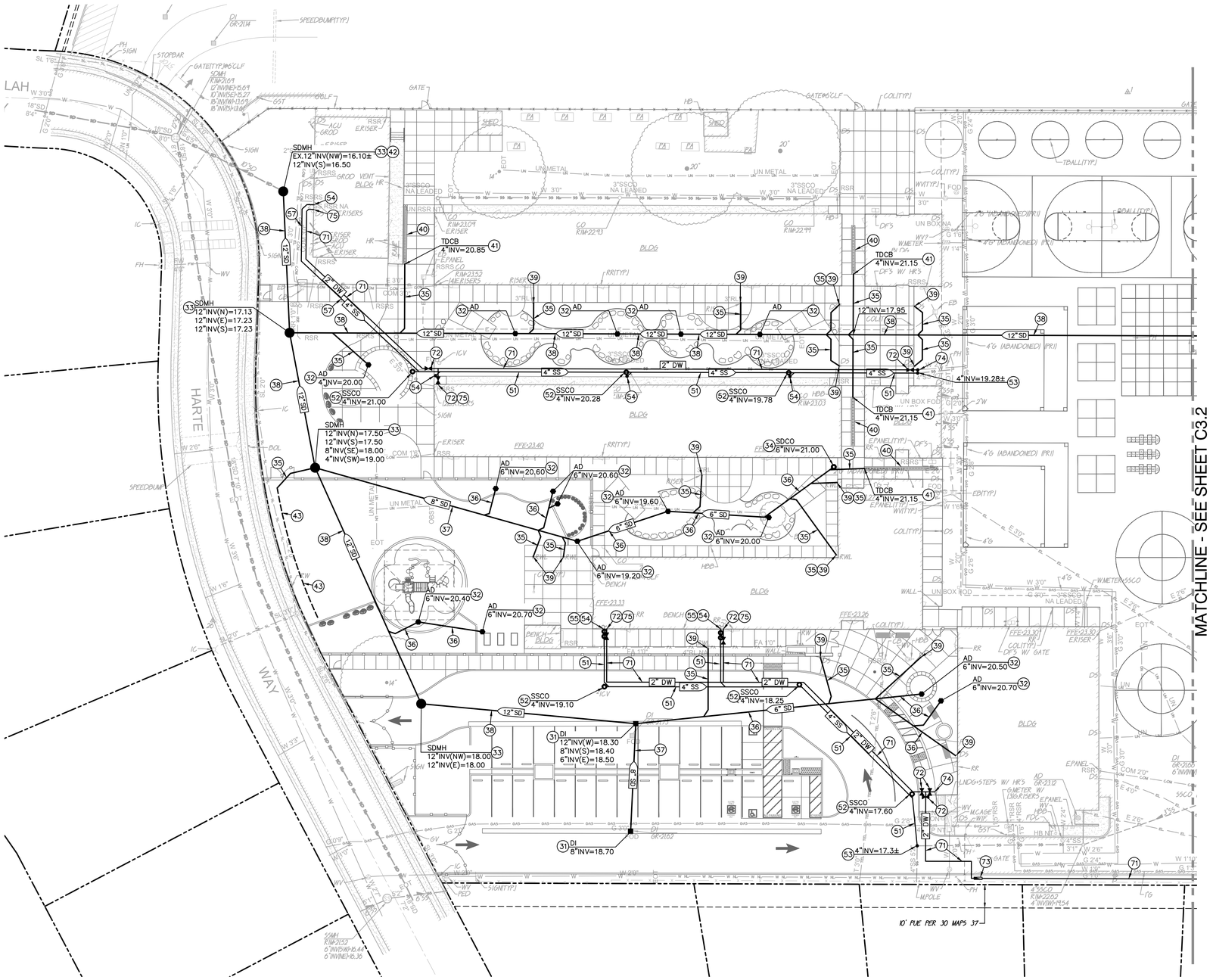
C2.2



DRAINAGE NOTES

31. CONSTRUCT DROP INLET PER 1/C7.2
32. CONSTRUCT AREA DRAIN PER 2/C7.2
33. CONSTRUCT STORM DRAIN MANHOLE PER 3/C7.2
34. CONSTRUCT STORM DRAIN CLEANOUT PER 4/C7.2
35. PLACE 4" STORM DRAIN PER 6/C7.2
36. PLACE 6" STORM DRAIN PER 6/C7.2
37. PLACE 8" STORM DRAIN PER 6/C7.2
38. PLACE 12" STORM DRAIN PER 6/C7.2
39. PROVIDE DOWNSPOUT CONNECTION PER 7/C7.2
40. CONSTRUCT TRENCH DRAIN PER 5/C7.2
41. CONSTRUCT TRENCH DRAIN CATCH BASIN PER 5/C7.2
42. CONNECT TO EXISTING STORM DRAIN. POTHOLE AND FIELD VERIFY LOCATION AND DEPTH PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
43. PLACE 4" SUBDRAIN AT SYNTHETIC TURF PER 12/C7.2

SEWER NOTES

51. PLACE 4" SEWER PER 6/C7.2
52. CONSTRUCT SEWER CLEANOUT PER 4/C7.2
53. CONNECT TO EXISTING SEWER PIPE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
54. CONNECT TO BUILDING SEWER SERVICE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
55. CONSTRUCT 2-WAY SEWER CLEANOUT PER 10/C7.2

WATER NOTES

71. PLACE 2" WATER PER 8/C7.2
72. PLACE GATE VALVE AND VALVE BOX. SIZE TO MATCH LINE SIZE. 9/C7.2
73. CONTRACTOR SHALL FURNISH, INSTALL AND TEST AN 2" ZURN/WILKINS 375XL REDUCED PRESSURE BACKFLOW ASSEMBLY WITH A PLACER WATERWORKS BACKFLOW ENCLOSURE ON A 4" THICK CONCRETE PAD.
74. CONNECT TO EXISTING DOMESTIC WATER PIPE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
75. CONNECT TO BUILDING DOMESTIC WATER SERVICE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

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UTILITY PLAN

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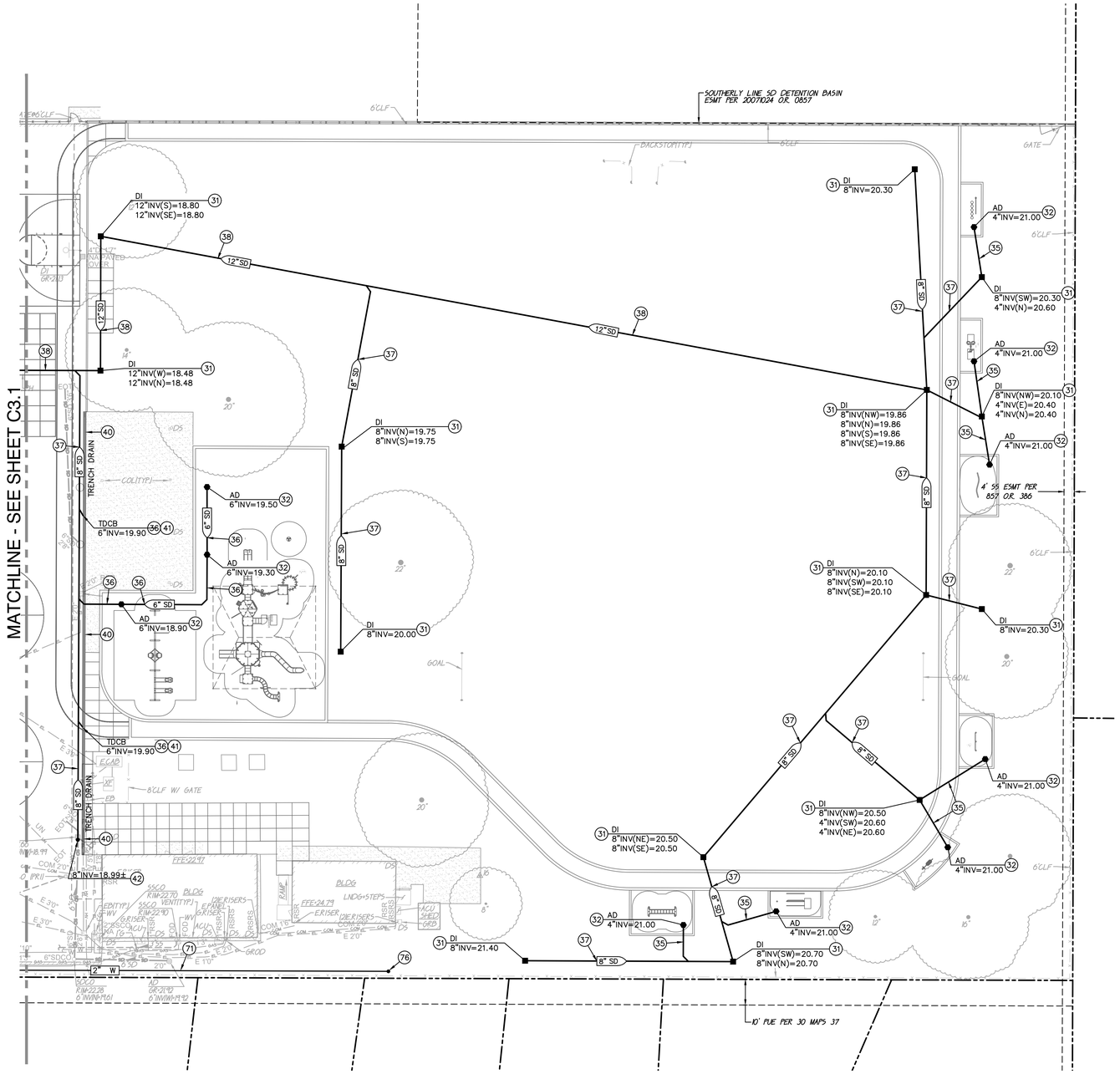
C3.1



DRAINAGE NOTES

31. CONSTRUCT DROP INLET PER (1 / C7.2)
32. CONSTRUCT AREA DRAIN PER (2 / C7.2)
34. CONSTRUCT STORM DRAIN CLEANOUT PER (4 / C7.2)
35. PLACE 4" STORM DRAIN PER
36. PLACE 6" STORM DRAIN PER
37. PLACE 8" STORM DRAIN PER
38. PLACE 12" STORM DRAIN PER
40. CONSTRUCT TRENCH DRAIN PER (6 / C7.2)
41. CONSTRUCT TRENCH DRAIN CATCH BASIN PER (5 / C7.2)
42. CONNECT TO EXISTING STORM DRAIN. POTHOLE AND FIELD VERIFY LOCATION AND DEPTH PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

WATER NOTES

71. PLACE 2" WATER PER (8 / C7.2)
76. REFER TO IRRIGATION PLANS FOR CONTINUATION.

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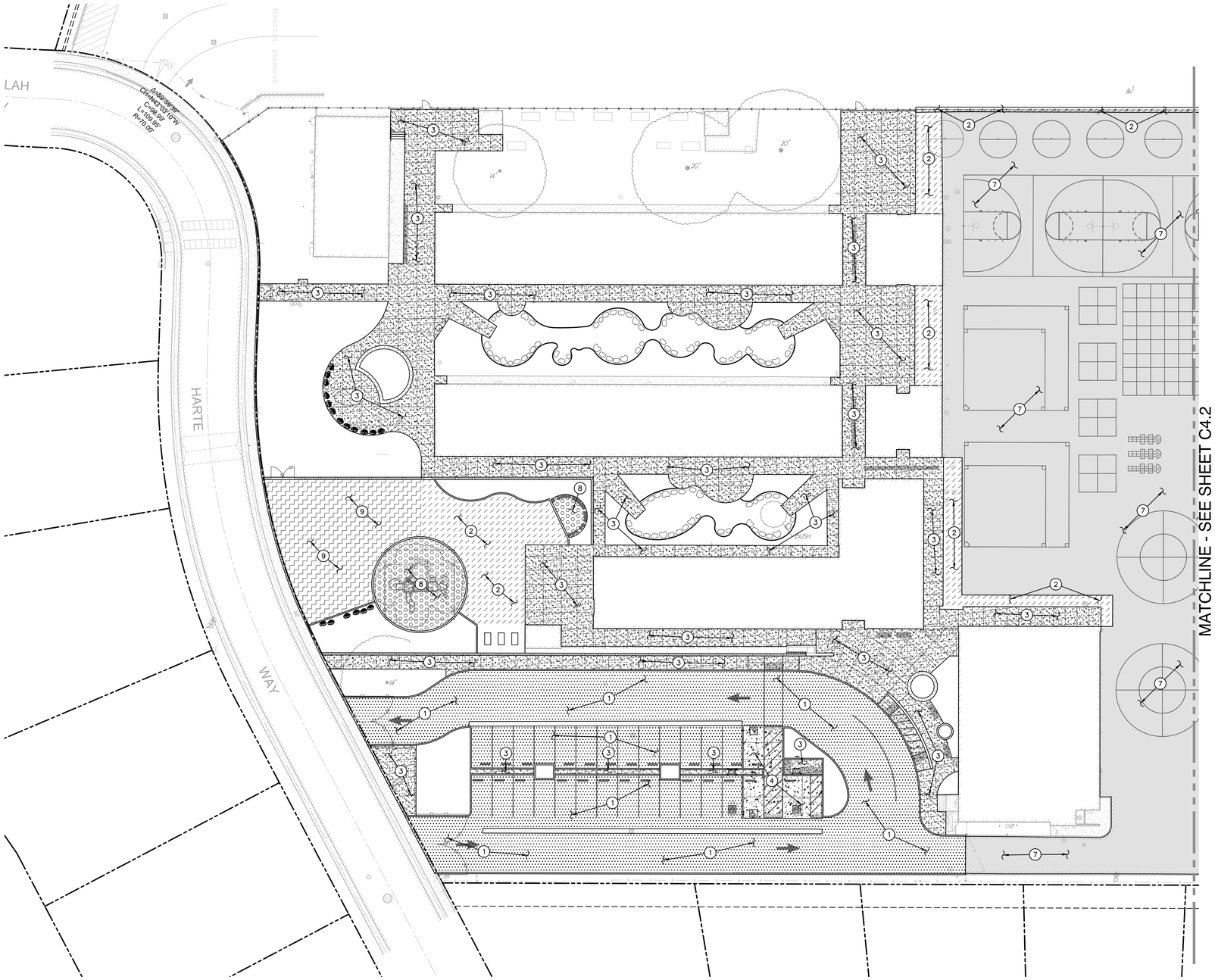

PAVING LEGEND

1. TYPE 1 PAVING
   PLACE 3" AC OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS. PROVIDE 2 COATS OF SEAL COAT ON NEW PAVING.
2. TYPE 2 PAVING
   PLACE 3" AC OVER 8" CLASS II AB ON A TENSAR BX 1100 GEOGRID ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS. PROVIDE 2 COATS OF SEAL COAT ON NEW PAVING.
3. TYPE 3 PAVING
   PLACE 5" PCC OVER 12" AB WITH #4 BAR AT 24" O.C.E.W. ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS.
4. TYPE 4 PAVING
   PLACE 6" PCC WITH #4 BAR AT 18" O.C.E.W. OVER 12" AB ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS.
6. TYPE 6 PAVING
   PLACE 1/2" POUR IN PLACE RUBBER WEAR COURSE OVER 4" SBR CUSHION LAYER ON 12" OF CL2 AGGREGATE BASE ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS.
7. TYPE 7 PAVING
   GRIND EXISTING AC PAVING DOWN APPROXIMATELY 1.5", CRACK FILL AS REQUIRED, PROVIDE A PETROMAT 4597 OR APPROVED EQUAL, AND PLACE A 1.5" MIN. ASPHALT OVERLAY. PLACE TWO (2) APPLICATION OF SEAL COAT.
8. TYPE 8 PAVING
   PLACE 1/2" POUR IN PLACE RUBBER WEAR COURSE OVER 2.5" SBR CUSHION LAYER ON 12" OF CL2 AGGREGATE BASE ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS.
9. TYPE 9 PAVING
   PLACE ARTIFICIAL FIELD TURF OVER 2" CUSHION LAYER ON 4" OF CL2 PERMEABLE AGGREGATE BASE ON COMPACTED SUBGRADE PER SPECIFICATIONS.

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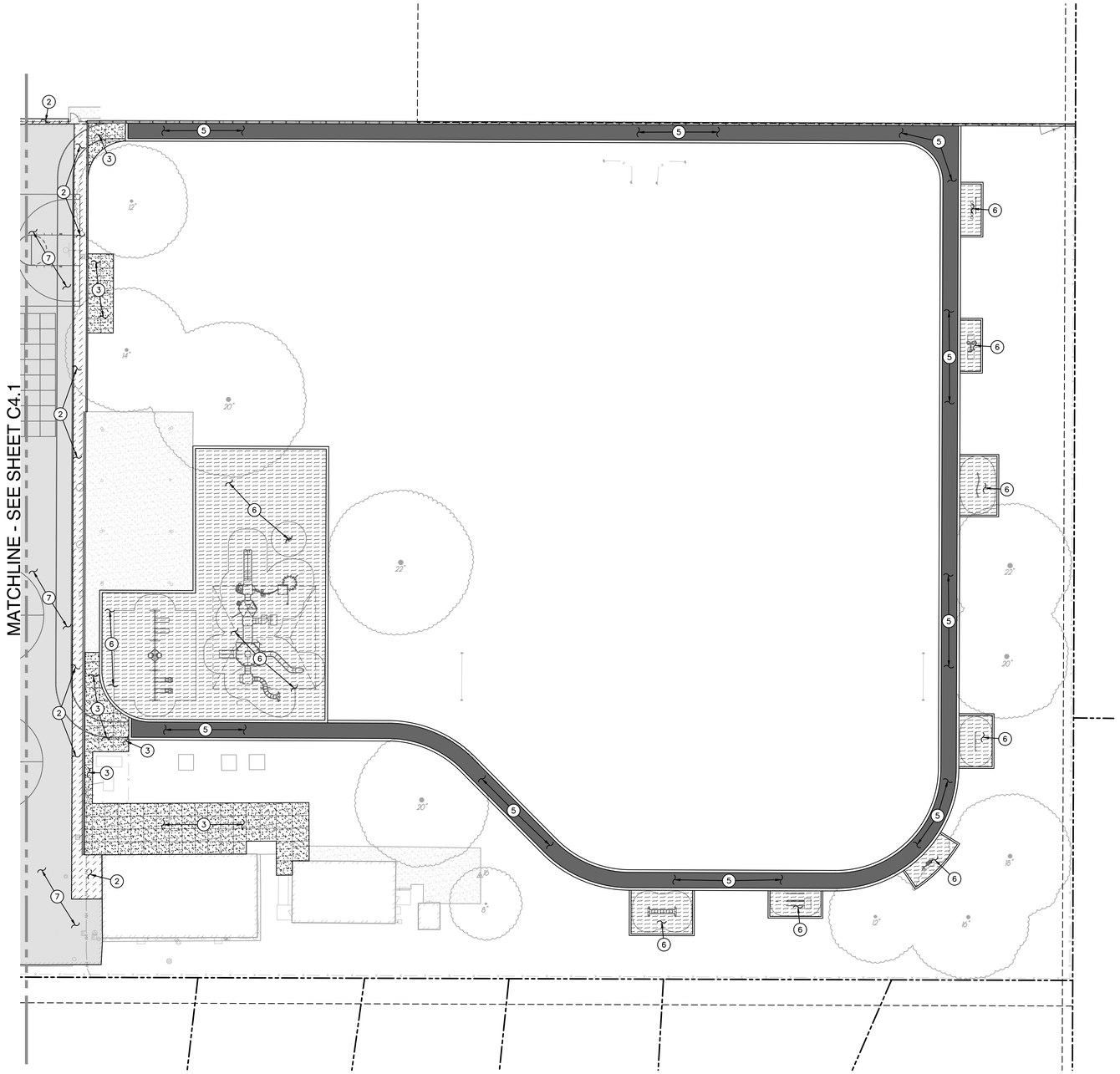

PAVING LEGEND

(3) TYPE 3 PAVING
PLACE 5" PCC OVER 12" AB WITH #4 BAR AT 24" O.C.E.W. ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS.

(5) TYPE 5 PAVING
PLACE 13MM (MIN) SYNTHETIC TRACK SURFACING OVER TYPE 3 CONCRETE PAVING PER THE SECTION AND DETAILS PROVIDED. DO NOT TOOL RADIUS EDGES OF FELT EXPANSION JOINTS UNDER TRACK SURFACING AND USE SMALL RADIUS (1/4") TOOL FOR TOOLED JOINTS UNDER TRACK SURFACING.

(6) TYPE 6 PAVING
PLACE 1/2" POUR IN PLACE RUBBER WEAR COURSE OVER 4" SBR CUSHION LAYER ON 12" OF CL2 AGGREGATE BASE ON A TENSAR BX1100 GEOGRID ON SUBGRADE COMPACTED PER ENGINEERED FILL PLAN AND PROJECT SPECIFICATIONS.

(7) TYPE 7 PAVING
GRIND EXISTING AC PAVING DOWN APPROXIMATELY 1.5", CRACK FILL AS REQUIRED, PROVIDE A PETROMAT 4597 OR APPROVED EQUAL, AND PLACE A 1.5" MIN. ASPHALT OVERLAY. PLACE TWO (2) APPLICATION OF SEAL COAT.

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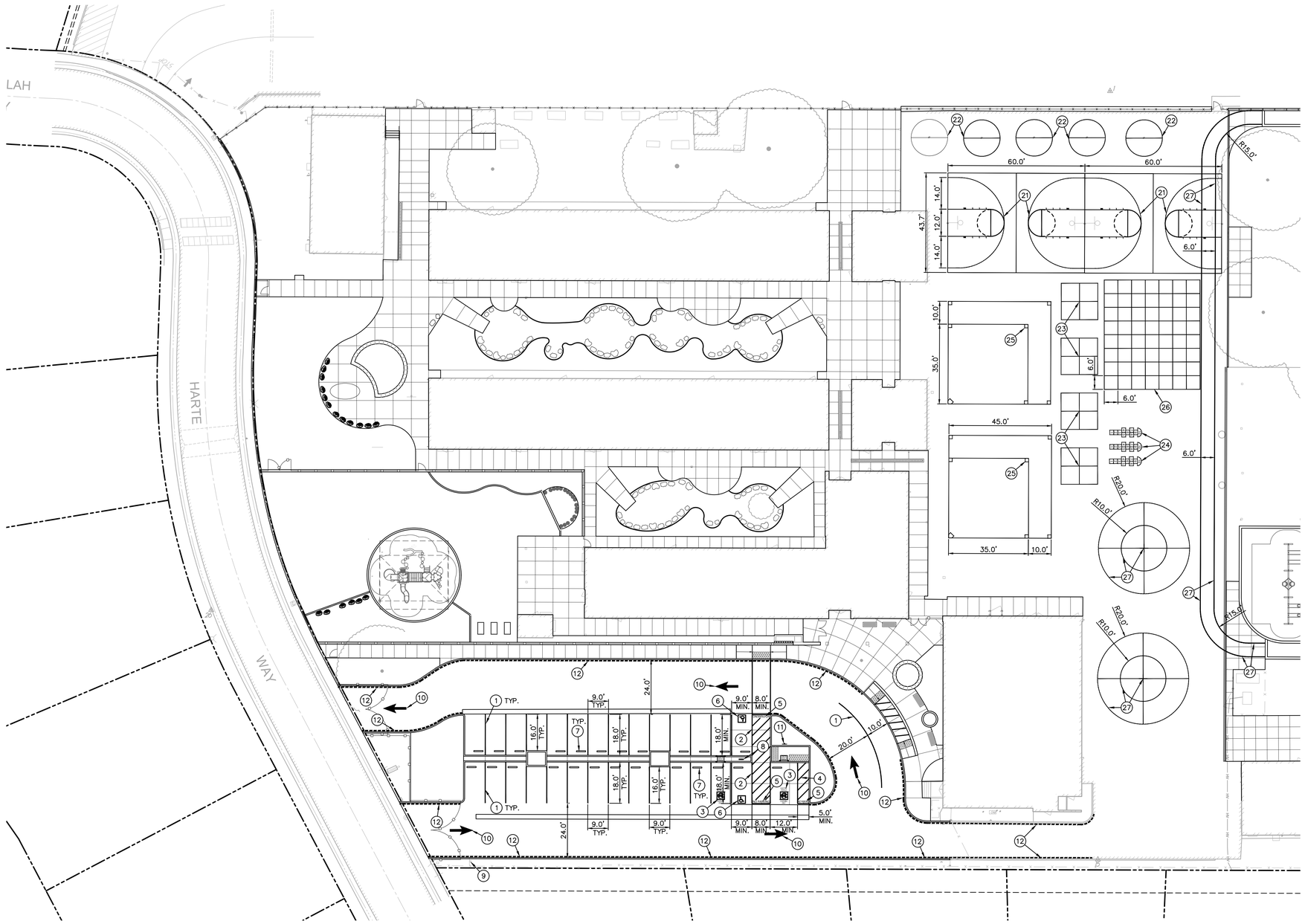

PARKING LOT STRIPING/SIGNAGE NOTES

1. PAINT 4" WIDE WHITE STRIPING IN LAYOUT AND PER THE DIMENSIONS SHOWN.
2. PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING AREA WITH BLUE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30° FROM PERPENDICULAR WITH PERIMETER STRIPING.
3. PAINT EV CHARGING STALL PAINTING PER THE DETAIL PROVIDED. (4 / C5.2)
4. PAINT 4" WIDE GREEN STRIPING AROUND PERIMETER OF EV PARKING ACCESSIBLE LOADING AREA AND 4" WIDE GREEN CROSS HATCH STRIPING AT 36" O.C.
5. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
6. PAINT INTERNATIONAL SYMBOL FOR ACCESSIBILITY PARKING STALL SYMBOL IN ACCORDANCE WITH THE DIMENSIONS AND COLORING SHOWN IN THE PROVIDED DETAIL. (6 / C5.2)
7. PLACE 48" LONG CONCRETE WHEEL STOP PER THE DETAIL PROVIDED. (5 / C5.2)
8. INSTALL ACCESSIBLE PARKING SIGN PER THE DETAIL PROVIDED. WHERE SHOWN ON PLAN AS "VAN" ACCESSIBLE STALL, PROVIDE EXTRA "VAN ACCESSIBLE" SIGN AS SHOWN IN DETAIL. POST MAY BE OMITTED WHERE FENCE IS PRESENT TO MOUNT SIGN AS SHOWN. MOUNT AT HEIGHT PER DETAIL WITH APPROPRIATE STAINLESS SCREWS. (1 / C5.2)
9. INSTALL ACCESSIBLE PARKING TOW AWAY SIGN PER THE DETAIL PROVIDED. (3 / C5.2)
10. PAINT CALTRANS STANDARD TYPE I ARROW, CALTRANS STANDARD A24A.
11. INSTALL CARPOOL/VANPOOL LEV PARKING SIGN PER THE DETAIL PROVIDED. WHERE SHOWN ON PLAN AS "VAN" ACCESSIBLE STALL, PROVIDE EXTRA "VAN ACCESSIBLE" SIGN AS SHOWN IN DETAIL. (2 / C5.2)
13. PAINT CURB RED WITH 4" HIGH, 3/4" WIDE STROKE SAYING "NO PARKING – FIRE LANE". MARKINGS SHALL BE LOCATED EVERY 25'.

HARDCOURT STRIPING NOTES

21. PLACE BASKETBALL COURT STRIPING PER (7 / C5.2) (8 / C5.2)
22. PLACE TETHERBALL COURT STRIPING PER (9 / C5.2)
23. PLACE FOUR SQUARE STRIPING PER (10 / C5.2)
24. PLACE HOPSCOTCH STRIPING PER (11 / C5.2)
25. PLACE KICKBALL COURT STRIPING PER (12 / C5.2)
26. PLACE 6'X6' GRID WITH 2" WIDE WHITE STRIPE.
27. PLACE 2" WIDE WHITE STRIPE.

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DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

REGISTERED PROFESSIONAL ENGINEER
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DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

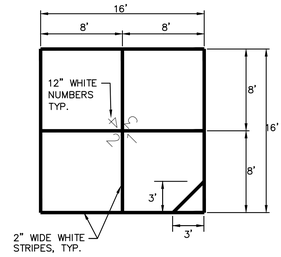
DATE: 10/01/2024

JOB NO.: Y2421.00

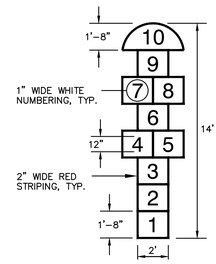
STRIPING AND SIGNAGE PLAN

SHEET NO.

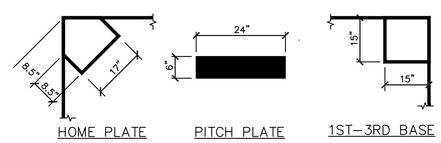
C5.1

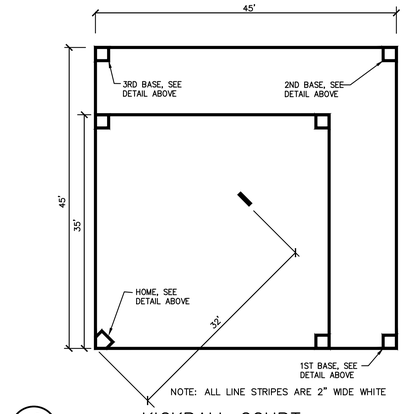


10 C5.2 FOUR SQUARE STRIPING
NO SCALE

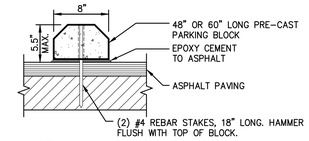


11 C5.2 HOPSCOTCH STRIPING
NO SCALE

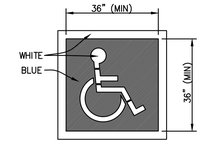




12 C5.2 KICKBALL COURT
NO SCALE

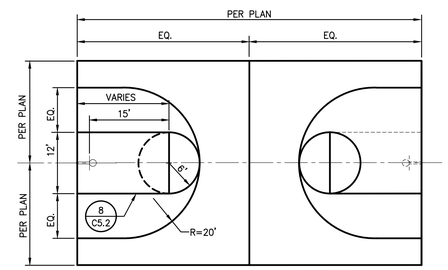


5 C5.2 CONCRETE WHEEL STOP
NO SCALE



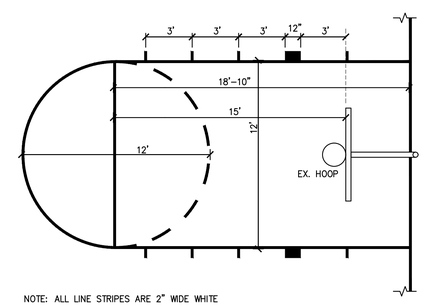
NOTES:
1. THIS PARKING SYMBOL IS ALSO KNOWN AS THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA).

6 C5.2 ACCESSIBLE STRIPING
NO SCALE



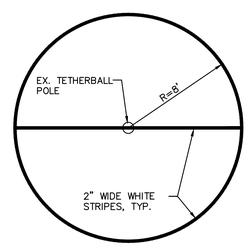
NOTE: ALL STRIPES ARE 2" WIDE WHITE
NOTE: STRIPE HALF OR FULL COURT PER PLAN

7 C5.2 BASKETBALL COURT
NO SCALE

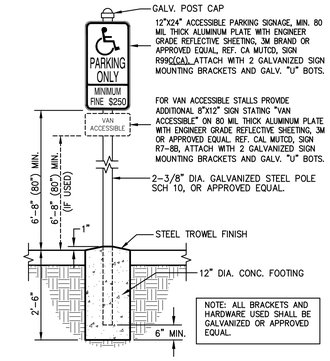


NOTE: ALL LINE STRIPES ARE 2" WIDE WHITE

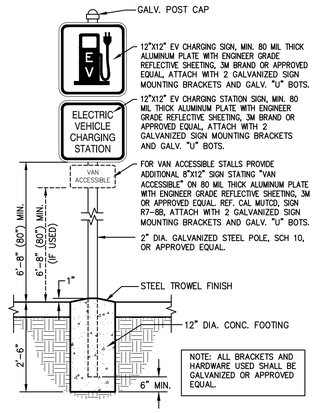
8 C5.2 BASKETBALL KEY DETAIL
NO SCALE



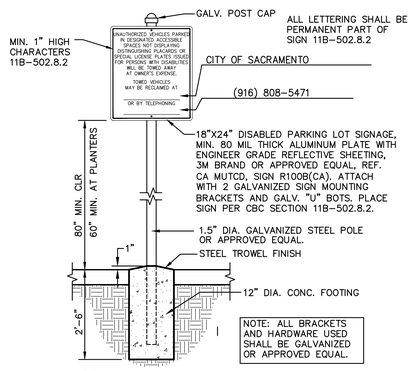
9 C5.2 TETHERBALL COURT STRIPING
NO SCALE



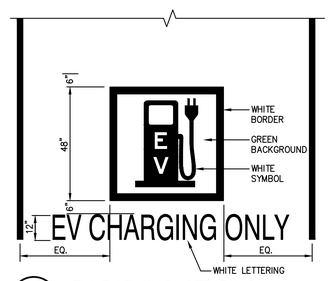
1 C5.2 PARKING SIGNAGE
ACCESSIBLE STALLS (CALIFORNIA ONLY)
NO SCALE



2 C5.2 EV PARKING SIGNAGE
NO SCALE



3 C5.2 PARKING AREA SIGN
(CALIFORNIA ONLY)
NO SCALE



4 C5.2 EV PARKING STRIPING
NO SCALE

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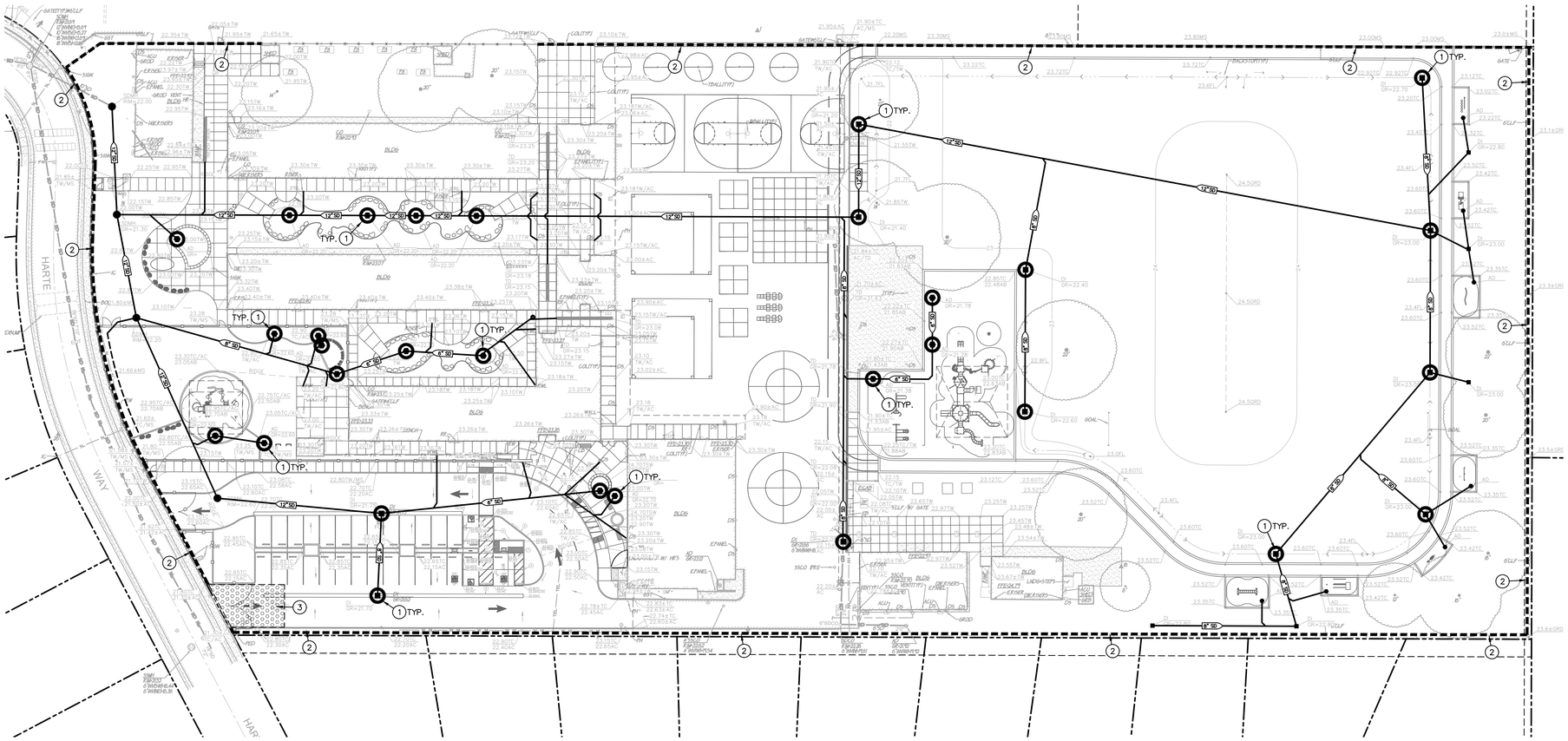
STRIPING AND SIGNAGE DETAILS

SHEET NO.
C5.2

FILENAME: I:\24-072\CIVIL\DWG\24-072-C51-C52.DWG



WCE EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
2. CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS. ONLY CLEAR WATER IS TO BE DISCHARGED INTO THE EXISTING DRAINAGE SYSTEM. IF PUMPING IS NECESSARY, FILTERS WILL BE REQUIRED TO ENSURE THAT ONLY CLEAR WATER IS DISCHARGED FROM THE SITE, PER CITY OF ELK GROVE STANDARDS. THE CONTRACTOR SHALL VERIFY THE DISCHARGE POINT WITH THE COUNTY INSPECTOR. THE CONTRACTOR SHALL VERIFY THAT THE POINT OF DISCHARGE CAN HANDLE THE VELOCITY AND QUANTITY OF FLOW.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
4. PRIOR TO PLACEMENT OF LANDSCAPING AND/OR FINISHED GROUND SEEDING. REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
5. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
6. ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
7. CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND S.W.P.P.P. PLAN FOR ADDITIONAL REQUIREMENTS.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER NON-CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTENT, THE CONTRACTOR SHALL COORDINATE THIS FENCING LAYOUT WITH CITY OF ELK GROVE PERSONNEL PRIOR TO ANY FENCING PLACEMENT.
9. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED THROUGH THE SCHOOL AND ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.
10. ALL DISTURBED AREAS NOT BEING PAVED/LANDSCAPED, SHALL BE HYDROSEEDED.

EROSION CONTROL MEASURES TO BE PLACED ON ALL EXPOSED AREAS DISTURBED BY CONSTRUCTION PRIOR TO ANY RAIN EVENT, I.E. BLANKETS, SOIL STABILIZERS, ETC.

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

ANY CHANGES MADE TO THE SWPPP IN THE FIELD MUST BE SHOWN ON THE MAP. UPDATE MAP TO REFLECT CHANGES.

SEDIMENT AND EROSION CONTROL MEASURES ON SWPPP MAP ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

ADD TO MAP AS LOCATED IN THE FIELD

- CONSTRUCTION TRAILER.
- VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
- COVERED WASTE STORAGE (DUMPSTERS).
- STAGE — STAGING AREA
- MATERIAL STORAGE
- SP — SOIL STOCKPILES.
- CWO — CONCRETE WASHOUT.

LEGEND

NEW EX

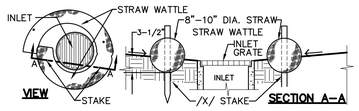
(#) EROSION CONTROL NOTES

NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR AND PROJECT QSP.

1. CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN AREAS OF ON-SITE WORK PER THE DETAIL PROVIDED. IN ADDITION TO WATTLE, PROVIDE FILTER BAG AT EACH INLET. STRAW WATTLES NOT REQUIRED AT INLETS IN PAVED AREAS, ONLY FILTER BAG. (1 / C6.1)
2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE PER DETAIL (2 / C6.1)
3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS PER DETAIL (3 / C6.1)

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES																	
	WET SEASON					WET & DRY SEASON												
	EROSION CONTROLS	STRAW MULCHING TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGITATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION	CONCRETE WASHOUT
PRE-GRADING	X			X			X											
CUT-FILL ACTIVITIES	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
UNDERGROUND WORK		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
STORM IMPROVEMENTS		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
CURB AND GUTTER	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
STREET IMPROVEMENTS	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
PAVE OUT				X	X		X	X		X	X			X		X	X
POST CONSTRUCTION		X	X	X	X												
MAINTENANCE SCHEDULE																	
DAILY*																	
WEEKLY*		X	X		X	X		X		X	X	X	X		X	X	
MONTHLY*																	
BEFORE RAIN	X	X	X		X	X		X		X	X	X	X				
DURING RAIN	X	X	X		X	X		X		X	X	X	X				
AFTER RAIN	X	X	X		X	X		X		X	X	X	X				
AS NEEDED				X			X							X			

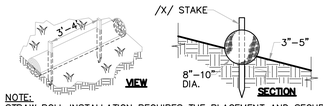
* = WHEN RAIN EVENT INSPECTIONS OCCURS, THEY MAY QUALIFY AS A DAILY, WEEKLY, OR MONTHLY INSPECTION AS APPLIES.



NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3-1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

1 / C6.1 STRAW WATTLE INLET FILTER

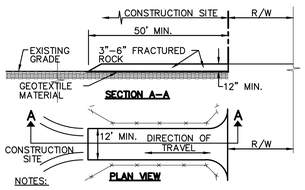
NO SCALE



NOTE:
STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2 / C6.1 STRAW ROLLS

NO SCALE



NOTES:

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3"-6" ANGULAR ROCK MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

3 / C6.1 STABILIZED CONSTRUCTION SITE ACCESS

NO SCALE

GRAPHIC SCALE

30' 0 15' 30' 60'

(IN FEET) 1 inch = 30 feet

NORTH

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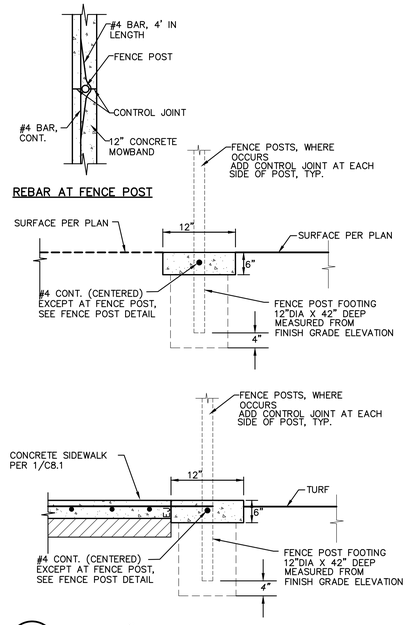
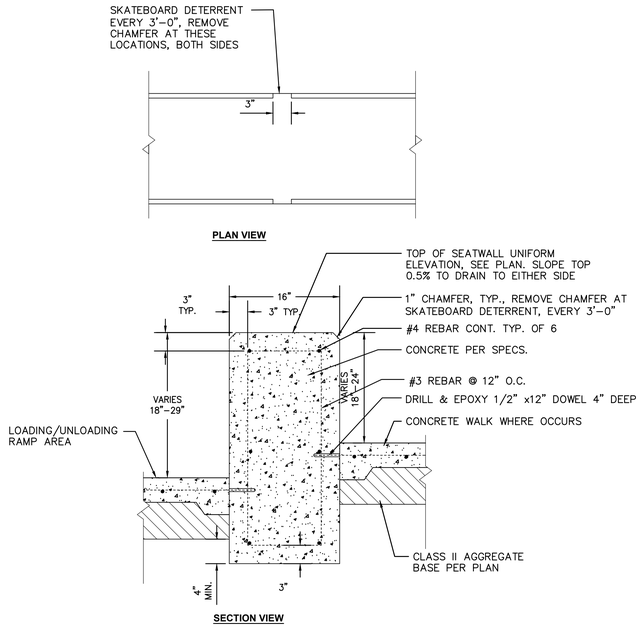
EROSION CONTROL PLAN

SHEET NO.

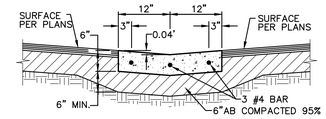
C6.1



10 / C7.1 — 12" WIDE CONCRETE BAND
NO SCALE

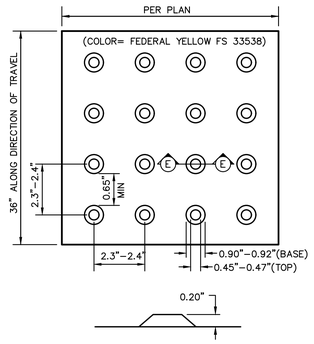


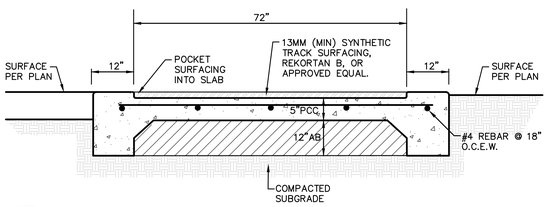
7 / C7.1 — CONCRETE SEAT WALL
NO SCALE



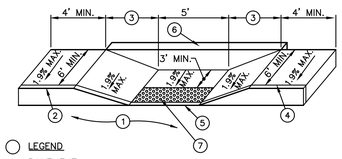
NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. SEAL E.J. WITH APPROVED JOINT SEALANT. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

3 / C7.1 — CONCRETE VALLEY GUTTER
NO SCALE



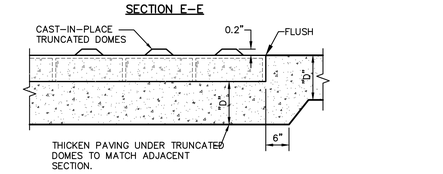


11 / C7.1 — RUNNING TRACK
NO SCALE

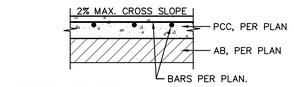


LEGEND
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-503.
6. 12" WIDE CONCRETE CURB WITH FENCE
7. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL. (4 / C7.1)

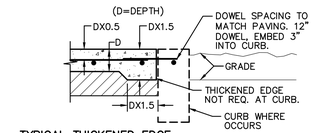
8 / C7.1 — ACCESSIBLE RAMP
NO SCALE



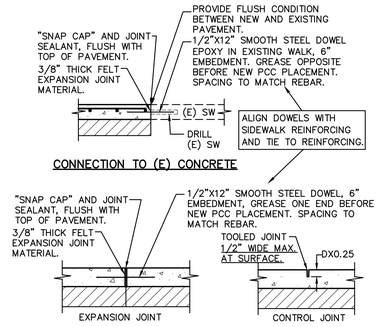
4 / C7.1 — TRUNCATED DOMES
NO SCALE



TYPICAL SECTION



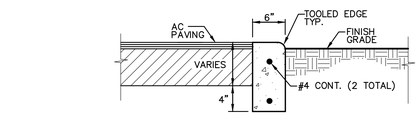
TYPICAL THICKENED EDGE



TYPICAL JOINTS

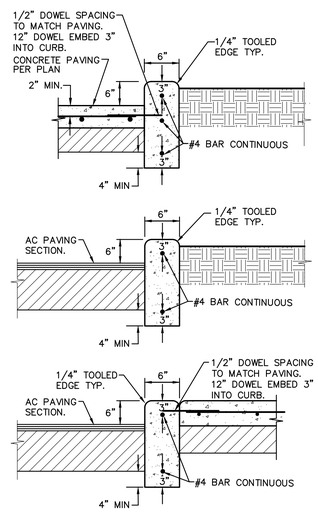
NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 / C7.1 — CONCRETE SIDEWALK
NO SCALE



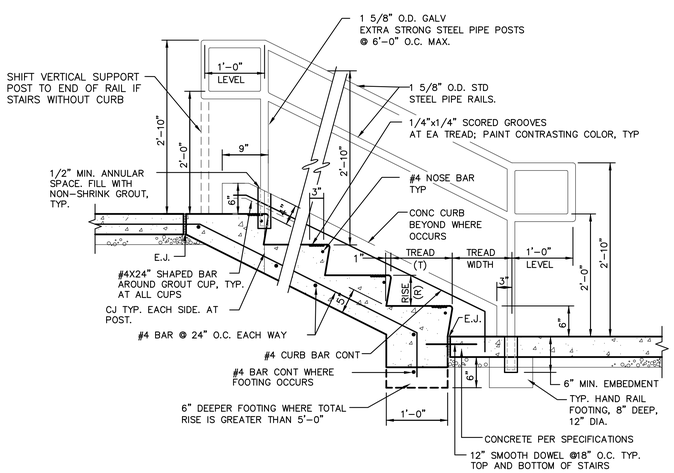
NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

5 / C7.1 — FLUSH CONCRETE CURB
NO SCALE

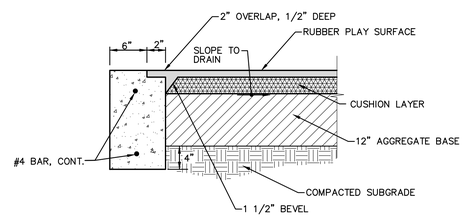


NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

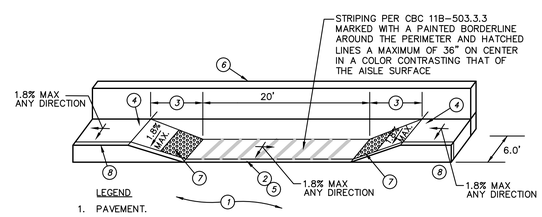
2 / C7.1 — CONCRETE CURB
NO SCALE



12 / C7.1 — CONCRETE STAIRS AND RAILINGS
NO SCALE



9 / C7.1 — 8" APPARATUS CURB
NO SCALE



LEGEND
1. PAVEMENT.
2. FLUSH CONCRETE CURB.
3. 8.3% (1:12) MAXIMUM SLOPE, 7' MIN. LENGTH.
4. LANDING SHALL BE 48" MIN. AND SLOPE SHALL NOT EXCEED 1:48 MAX. ALL DIRECTIONS, PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.3
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE WITH A COUNTER SLOPE NOT EXCEEDING 1:20 MAX FOR 10'.
6. SEAT WALL PER (7 / C7.1)
7. PLACE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE, FULL WIDTH OF RAMP LESS 2 INCHES ON EITHER SIDE OF RAMP, 36" IN THE DIRECTION OF TRAVEL, BY ARMOR-TILE OR APPROVED EQUAL. (4 / C7.1)
8. SCORE MARK, 6" BEHIND BACK OF CURB

6 / C7.1 — LOADING/UNLOADING ZONE
NO SCALE

DIVISION OF THE STATE ARCHITECT

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Sacramento City Unified School District

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ARCHITECT

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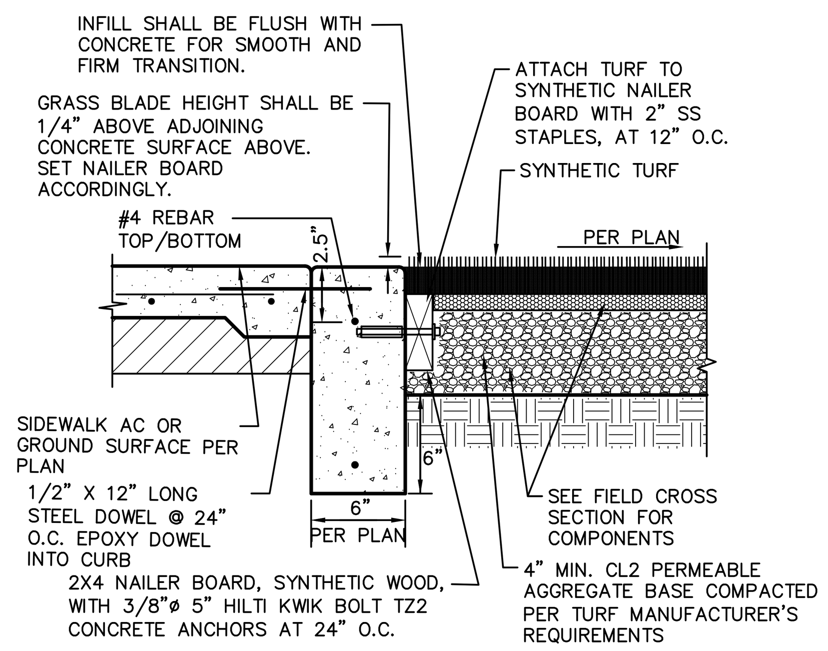
JOB NO.: Y2421.00

DETAILS AND SECTIONS

SHEET NO.

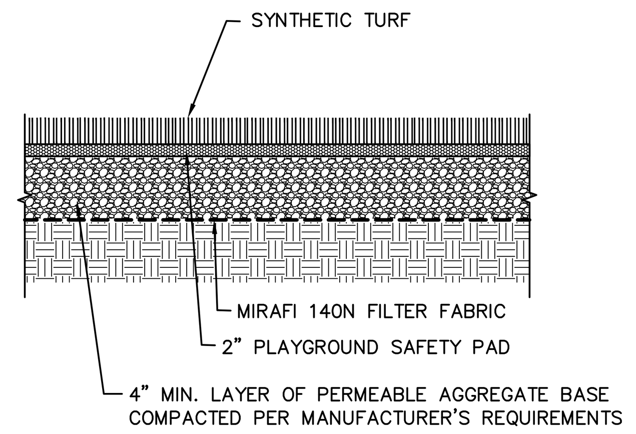
C7.1

FILENAME: I:\24-072\CIVIL\DWG\24-072-C71-C72.DWG



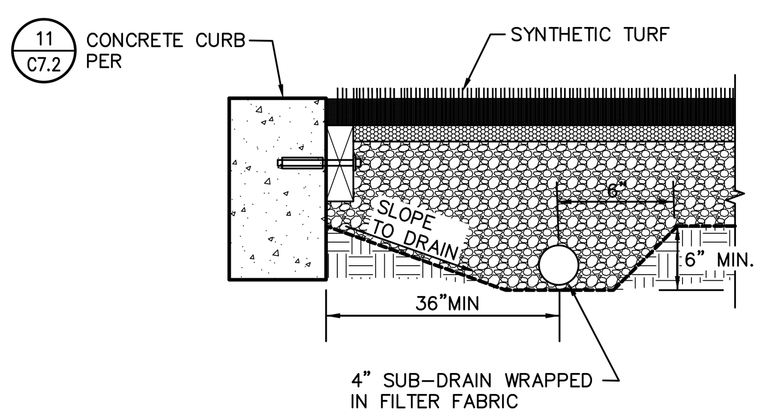
NOTES:

1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

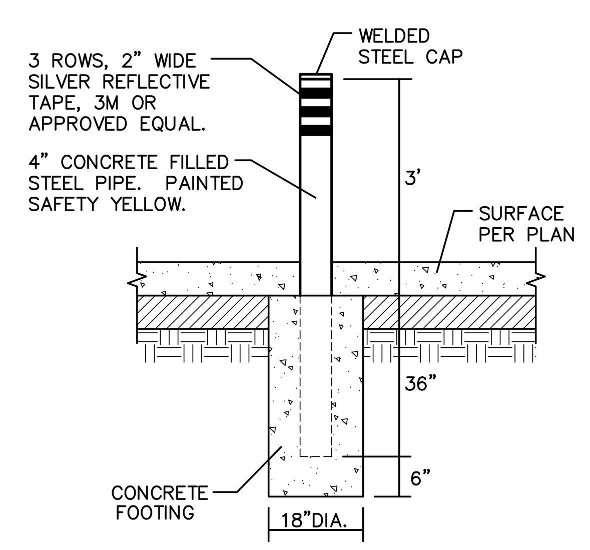


SYNTHETIC TURF SECTION

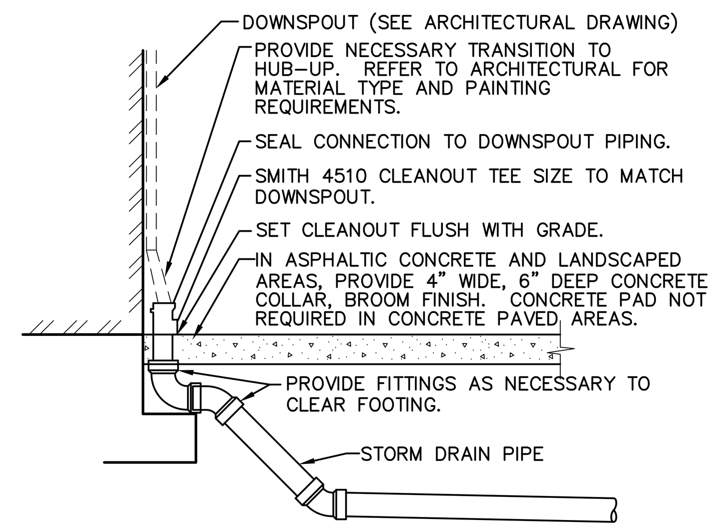
11 C7.2 CURB AT TURF EDGE NO SCALE



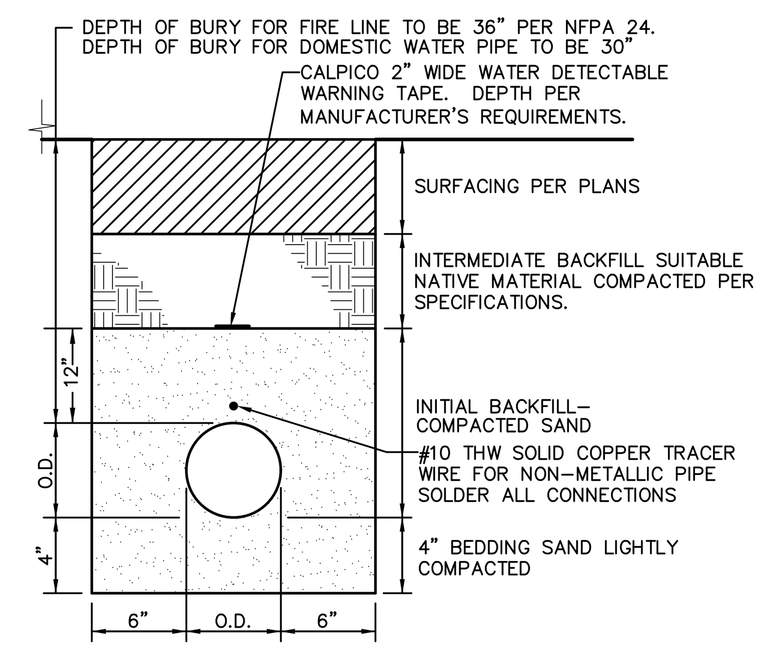
12 C7.2 SUBDRAIN AT SYNTHETIC TURF NO SCALE



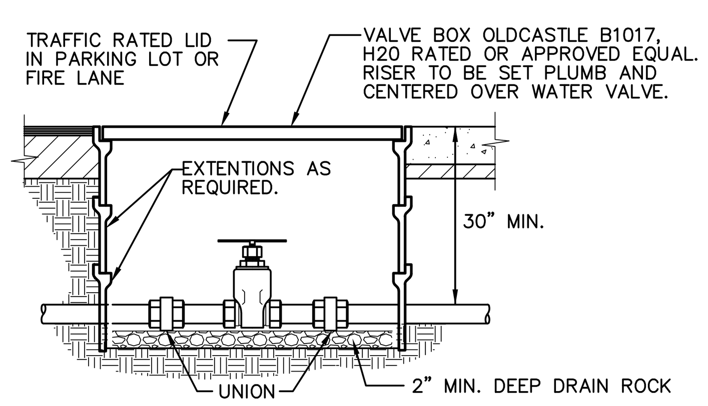
13 C7.2 PIPE BOLLARD FIXED NO SCALE



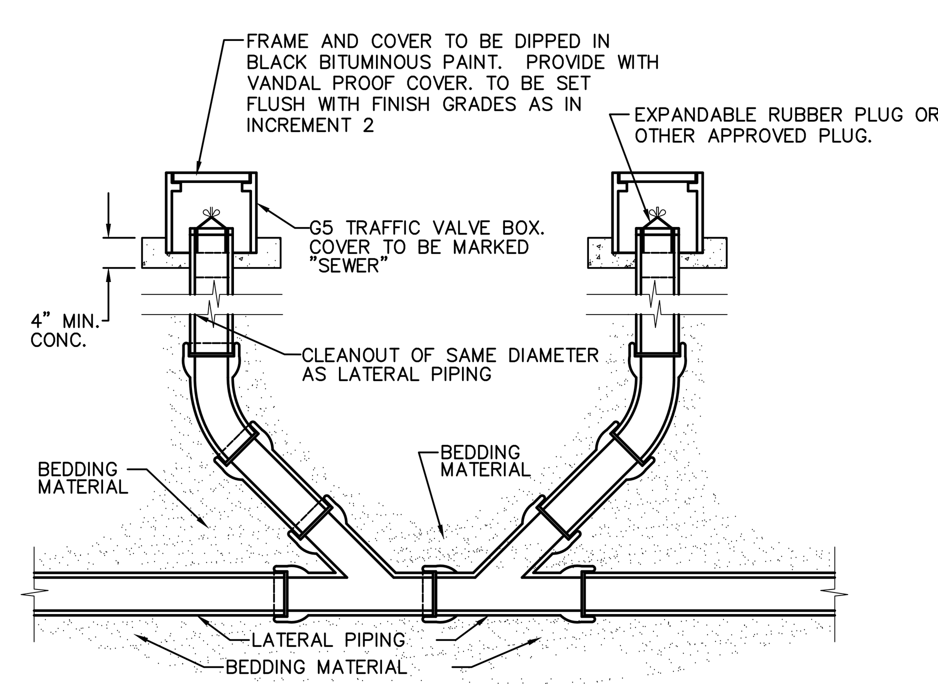
7 C7.2 DOWNSPOUT CONNECTION NO SCALE



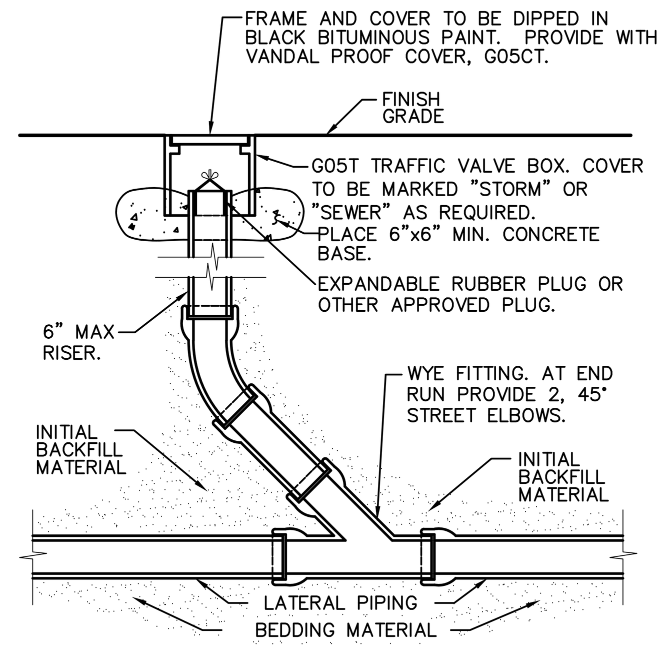
8 C7.2 WATER TRENCH NO SCALE



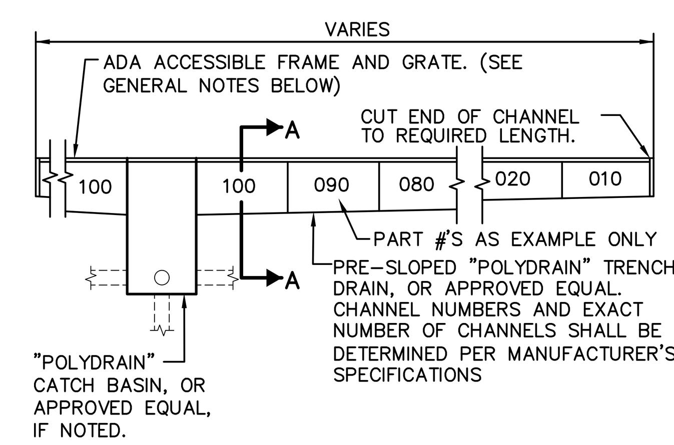
9 C7.2 WATER VALVE 1/2" TO 3" PIPE NO SCALE

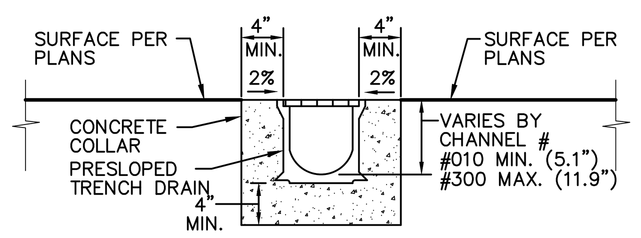


10 C7.2 2-WAY SEWER CLEANOUT NO SCALE



4 C7.2 CLEANOUT NO SCALE



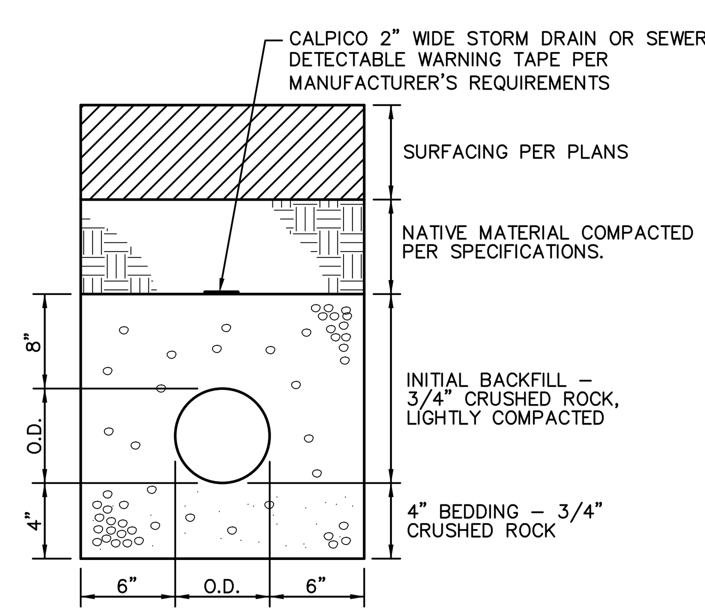


SECTION A-A

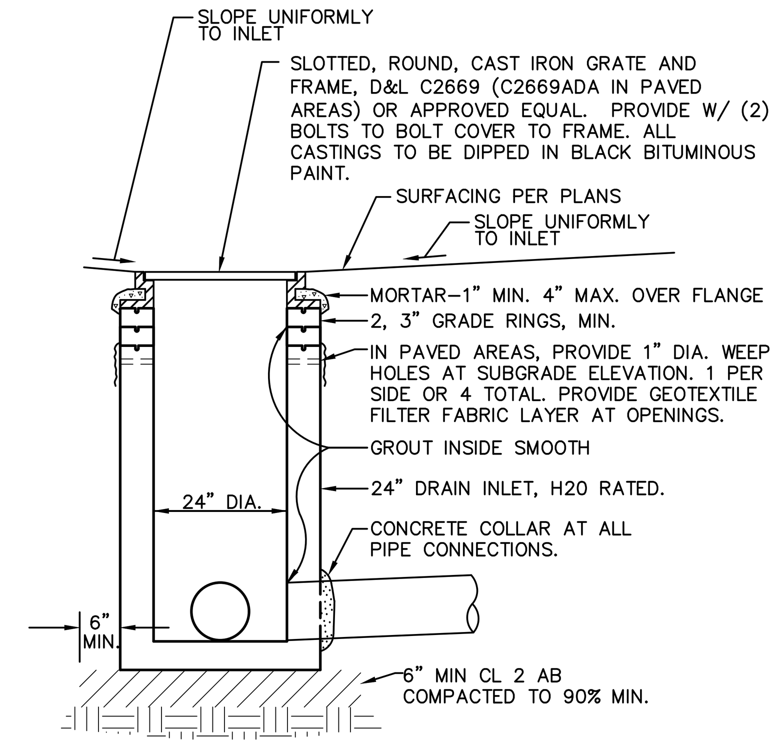
GENERAL NOTES:

1. GRATE SHALL ADA ACCESSIBLE, POLYDRAIN MODEL 2410 OR APPROVED EQUAL. IF PLACED IN FIRE LANE OR AREA DESIGNATED FOR VEHICLE TRAFFIC PROVIDE POLYDRAIN MODEL 2506.
2. IF TRENCH DRAIN IS PLACED IN FIRE LANE OR AREA DESIGNATED FOR VEHICLE TRAFFIC PROVIDE GALVANIZED STEEL "OVERLAY RAILS" AS SUPPLIED BY POLYDRAIN, OR APPROVED EQUAL.
3. CONTRACTOR SHALL FURNISH AND INSTALL A MODEL 2811B LOCKING DEVICE, OR APPROVED EQUAL, FOR ALL TRENCH DRAIN GRATES.
4. CONTRACTOR SHALL FURNISH AND INSTALL A TRASH BUCKET, MODEL 2900, IN ALL TRENCH DRAIN CATCH BASINS.
5. CONTRACTOR SHALL PURCHASE AND FURNISH THE MAINTINANCE/OPERATIONS DEPARTMENT OF THE SCHOOL WITH 2 MODEL 2231 TRENCH DRAIN SHOVEL HEADS, WITH STANDARD WOOD, OR COMPOSITE HANDLES.
6. ALL MITERED JOINTS SHALL BE SEALED WITH POLYDRAIN "POLYSEAL" CAULKING OR APPROVED EQUAL.

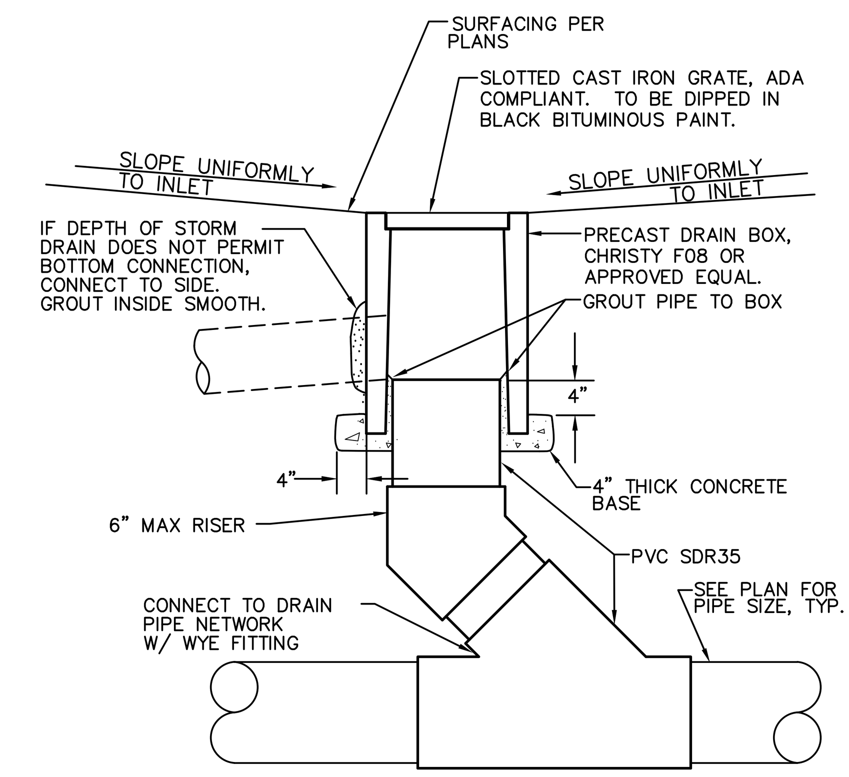
5 C7.2 TRENCH DRAIN DETAIL NO SCALE



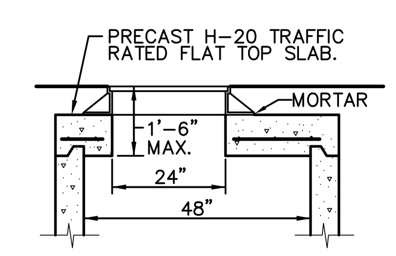
6 C7.2 STORM DRAIN AND SEWER TRENCH NO SCALE



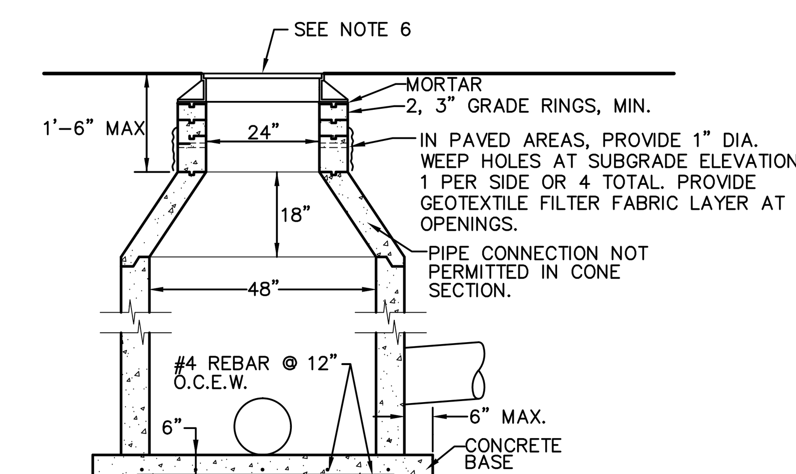
1 C7.2 DROP INLET NO SCALE



2 C7.2 AREA DRAIN NO SCALE



FLAT SLAB SECTION



NOTES:

1. RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
2. FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
3. THE CONTRACTOR MAY AT HIS OPTION, CAST THE LOWER PORTION OF MANHOLE IN PLACE. THE CAST-IN-PLACE PORTION SHALL NOT BE PLACED HIGHER THAN 6 INCHES ABOVE THE OUTSIDE TOPS OF THE MAIN INCOMING AND OUTGOING PIPES.
4. ALL JOINTS SHALL BE SEALED WITH GROUT AND INSIDE OF MANHOLE SHALL BE GROUTED SMOOTH.
5. FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT. FLAT TOP SLAB TO BE TRAFFIC RATED.
6. SLOTTED CAST IRON GRATE AND FRAME SHALL BE D&L C2669 (C2669ADA IN PAVED AREAS) OR APPROVED EQUAL. PROVIDE WITH TWO (2) BOLTS TO BOLT COVER/GRATE TO FRAME. SOLID COVERS TO BE MARKED "STORM DRAIN". ALL CASTINGS TO BE DIPPED IN BLACK BITUMINOUS PAINT.

3 C7.2 STORM DRAIN MANHOLE NO SCALE

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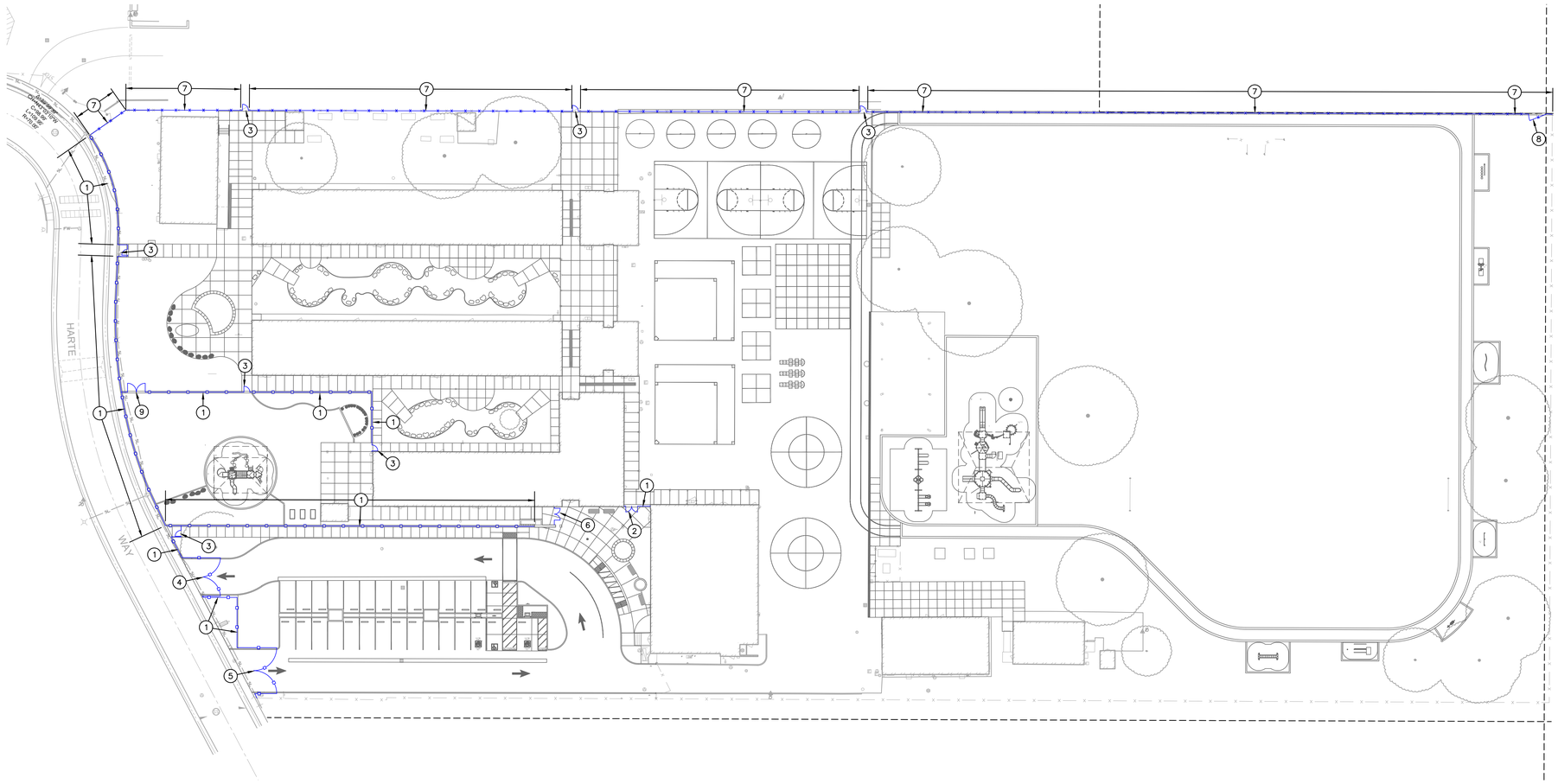
DETAILS AND SECTIONS

SHEET NO.

C7.2

FILENAME: I:\24-072\CIVIL\DWG\24-072-C71-C72.DWG

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET



FENCING NOTES

1. PLACE 6 FT GREEN ORNAMENTAL IRON FENCE PER SEE SPECIFICATION SECTION 323119. (1 / C8.2)
2. CONSTRUCT ACCESSIBLE TWO-LEAF (40" WIDE LEAFS) ORNAMENTAL GATE PER SEE SPECIFICATION SECTION 323119. (4 / C8.2)
3. CONSTRUCT ACCESSIBLE SINGLE-LEAF (40" WIDE LEAF) ORNAMENTAL GATE PER SEE SPECIFICATION SECTION 323119. (5 / C8.2)
4. CONSTRUCT 6' TALL, 22' WIDE, GREEN ORNAMENTAL DOUBLE SWING MAINTENANCE ACCESS GATE WITH KNOX BOX/LOCK. REFER TO SPECIFICATIONS SECTION 32 31 19 AND DETAIL PROVIDED. (2 / C8.2)
5. CONSTRUCT 6' TALL, 26' WIDE, GREEN ORNAMENTAL DOUBLE SWING MAINTENANCE ACCESS GATE WITH KNOX BOX/LOCK. REFER TO SPECIFICATIONS SECTION 32 31 19 AND DETAIL PROVIDED. (2 / C8.2)
6. CONSTRUCT 6' TALL GREEN ORNAMENTAL DOUBLE SWING PEDESTRIAN GATE (40" WIDE GATE LEAFS) WITH PANIC HARDWARE AND CLOSERS WITH ELECTRONIC ACCESS CONTROLS. REFER TO SPECIFICATIONS SECTION 32 31 13. AND DETAILS PROVIDED. (1 / C8.3)
7. PROVIDE NEW GREEN COATED RAILS WITH POWDER COATED POSTS THAT ARE SLEEVED AND WELDED TO EXISTING POSTS. PROVIDE 2" GREEN COATED CHAIN LINK FENCE WITH GREEN COATED HARDWARE. ATTACH TO EXISTING POSTS. REFER TO SPECIFICATION SECTION 323113 AND DETAIL PROVIDED. (7 / C8.2)
8. CONSTRUCT 10FT WIDE CHAIN LINK MAINTENANCE GATE PER SEE SPECIFICATION SECTION 323113. (8 / C8.2)
9. CONSTRUCT 6' TALL, 10' WIDE, GREEN ORNAMENTAL DOUBLE SWING MAINTENANCE ACCESS GATE. REFER TO SPECIFICATIONS SECTION 32 31 19 AND DETAIL PROVIDED. (2 / C8.2)

GRAPHIC SCALE

30' 0 15' 30' 60'

(IN FEET) 1 inch = 30 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

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SITE FENCING AND GATE PLAN

SHEET NO.

C8.1

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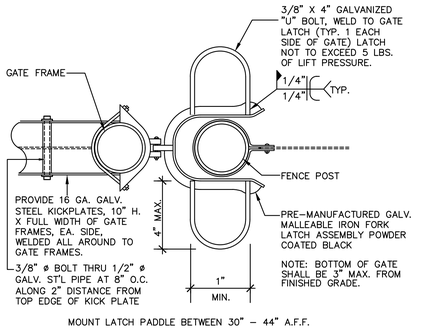
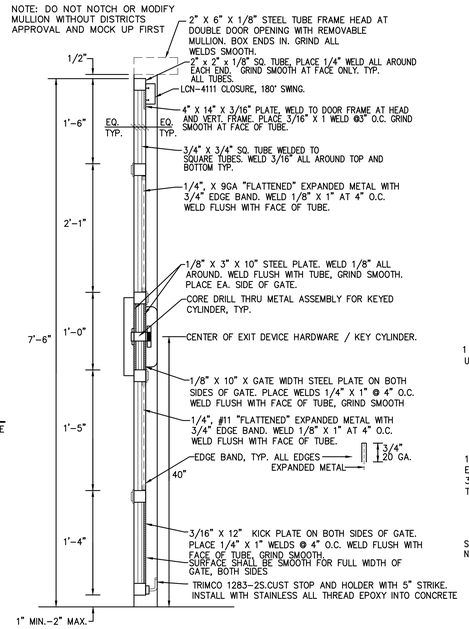


9 / C8.2 GATE LATCH

NO SCALE



6 / C8.2 SECTION; FABRICATED METAL DOOR

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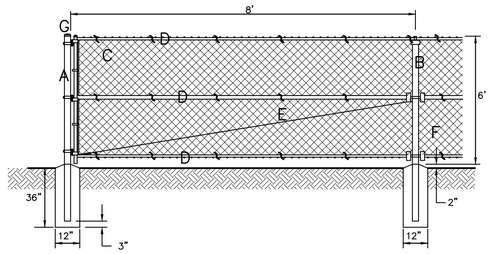
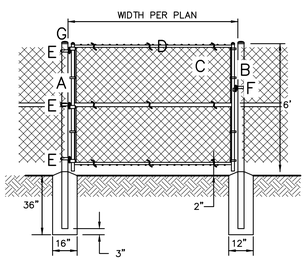


A – 4" OD (OR REQUIRED DIA. TO SLEEVE) SCH. 40 STEEL POST, POWDER COATED GREEN
B – 2 7/8" OD (OR REQUIRED DIA. TO SLEEVE) SCH. 40 STEEL POST, POWDER COATED GREEN
C – 9 GA. 2" MESH CHAIN LINK GREEN VINYL FABRIC.
D – 1 5/8" OD SCH. 40 STEEL RAIL, POWDER COATED GREEN
E – 3/8" OD ADJUSTABLE INDUSTRIAL TRUSS ROD, POWDER COATED GREEN
F – 12 GA. ALUMINUM GREEN VINYL TIES AT 15" OC HORIZ. AND VERT.
G – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GRADE, GREEN

7 / C8.2 CHAIN LINK FENCE

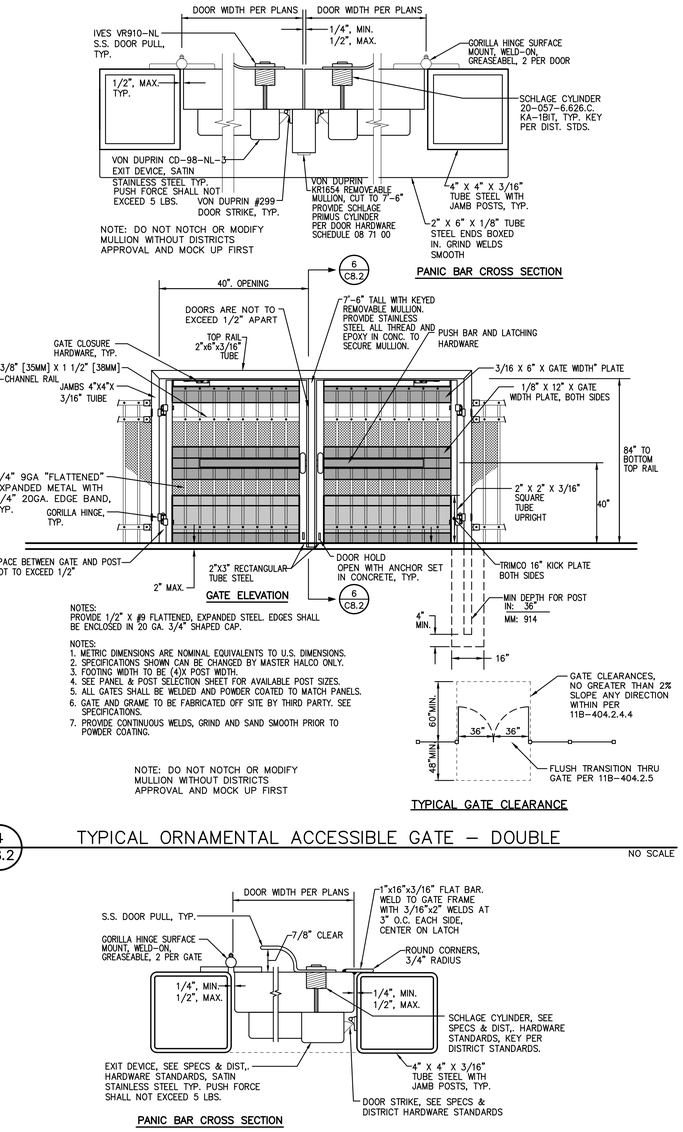
NO SCALE



A – 4" OD SCH. 40 GALV. STEEL POST, POWDER COATED GREEN.
B – 2 7/8" OD SCH. 40 GALV. STEEL POST, POWDER COATED GREEN.
C – FABRIC TO MATCH FENCE. GREEN VINYL COATED.
D – 1 5/8" OD SCH. 40 WELDED GALV. STEEL FRAME, POWDER COATED GREEN.
E – 180 DEGREE PRESSED STEEL INDUSTRIAL HINGE.
F – MALLEABLE IRON (LOCKABLE) GATE FORK LATCH, SEE 9/C8.2.
G – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE, POWDER COATED GREEN.

8 / C8.2 CHAIN LINK MAINTENANCE GATE

NO SCALE

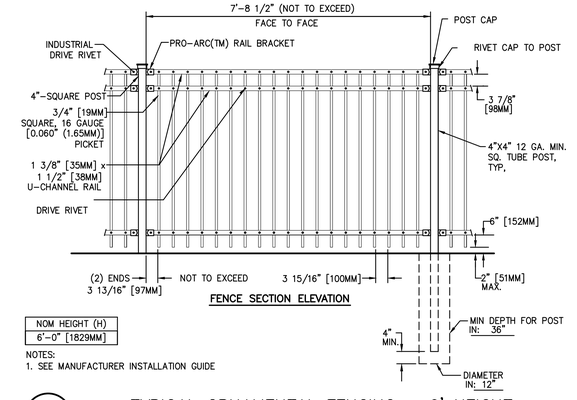


NOTES:
PROVIDE 1/2" X #9 FLATTENED, EXPANDED STEEL. EDGES SHALL BE ENCLOSED IN 20 GA. 3/4" SHAPED CAP.

NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH.
4. SEE PANEL & POST SELECTION SHEET FOR AVAILABLE POST SIZES.
5. ALL GATES SHALL BE WELDED AND POWDER COATED TO MATCH PANELS.
6. GATE AND GRAME TO BE FABRICATED OFF SITE BY THIRD PARTY. SEE SPECIFICATIONS.
7. PROVIDE CONTINUOUS WELDS, GRIND AND SAND SMOOTH PRIOR TO POWDER COATING.

4 / C8.2 TYPICAL ORNAMENTAL ACCESSIBLE GATE – DOUBLE

NO SCALE

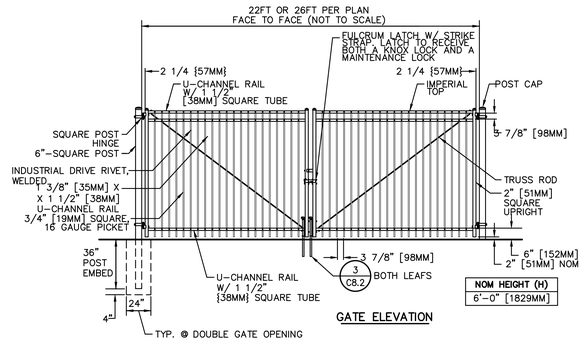


NOM HEIGHT (H)
6'-0" [1829MM]

NOTES:
1. SEE MANUFACTURER INSTALLATION GUIDE

1 / C8.2 TYPICAL ORNAMENTAL FENCING – 6' HEIGHT

NO SCALE

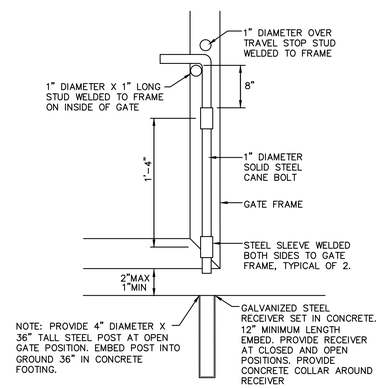


NOM HEIGHT (H)
6'-0" [1829MM]

NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 36" [914MM]

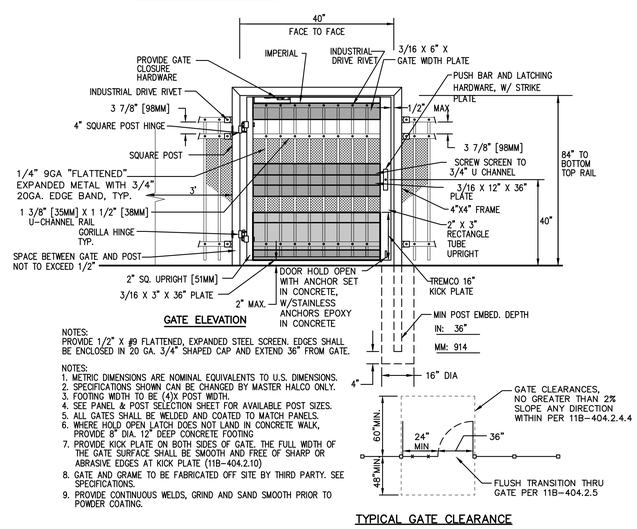
2 / C8.2 TYPICAL ORNAMENTAL VEHICULAR ACCESS GATE

MAINTENANCE AND FIRE ACCESS ONLY, NON-ACCESSIBLE — NO SCALE



3 / C8.2 CANE BOLT DETAIL

NO SCALE



NOTES:
PROVIDE 1/2" X #9 FLATTENED, EXPANDED STEEL SCREEN. EDGES SHALL BE ENCLOSED IN 20 GA. 3/4" SHAPED CAP AND EXTEND 36" FROM GATE.

NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH.
4. SEE PANEL & POST SELECTION SHEET FOR AVAILABLE POST SIZES.
5. ALL GATES SHALL BE WELDED AND COATED TO MATCH PANELS.
6. WHERE HOLD OPEN LATCH DOES NOT LAND IN CONCRETE WALK, PROVIDE 8" DIA. 12" DEEP CONCRETE FOOTING
7. PROVIDE KICK PLATE ON BOTH SIDES OF GATE. THE FULL WIDTH OF THE GATE SURFACE SHALL BE SMOOTH AND FREE OF SHARP OR ABRASIVE EDGES AT KICK PLATE (11B-404.2.10)
8. GATE AND GRAME TO BE FABRICATED OFF SITE BY THIRD PARTY. SEE SPECIFICATIONS.
9. PROVIDE CONTINUOUS WELDS, GRIND AND SAND SMOOTH PRIOR TO POWDER COATING.

5 / C8.2 TYPICAL ORNAMENTAL ACCESSIBLE GATE – SINGLE

NO SCALE

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
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Sacramento City Unified School District

CONSULTANT

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

ARCHITECT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

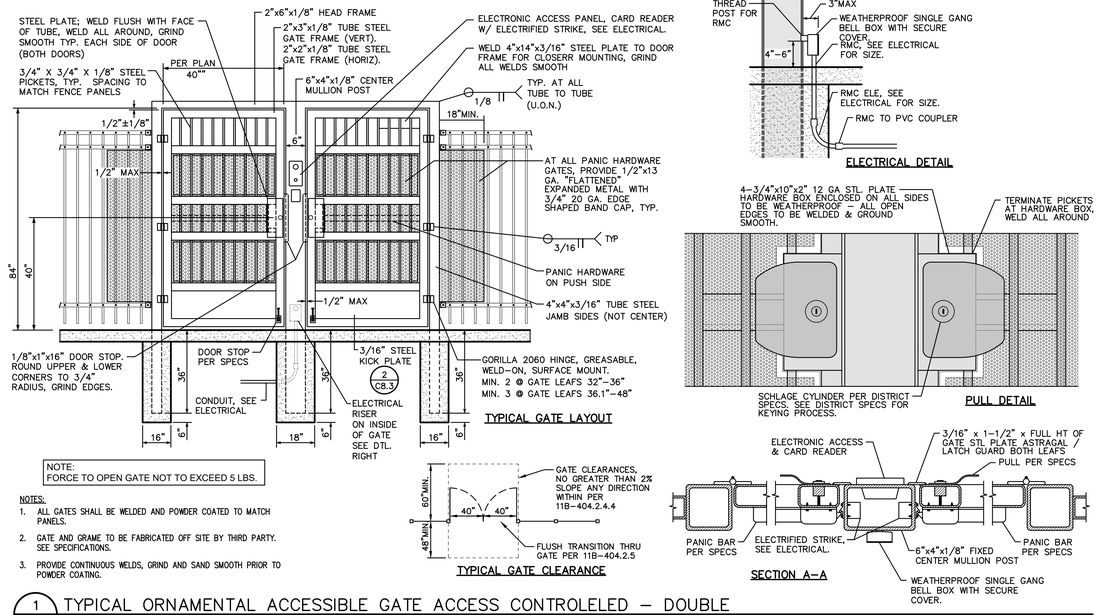
JOB NO.: Y2421.00

SITE FENCING AND GATE DETAILS

SHEET NO.

C8.2

FILENAME:I:\24-072\CIVIL\DWG\24-072-C8I-C8.3.DWG

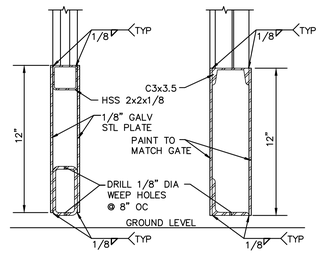


NOTES:

1. ALL GATES SHALL BE WELDED AND POWDER COATED TO MATCH PANELS.
2. GATE AND GRAME TO BE FABRICATED OFF SITE BY THIRD PARTY. SEE SPECIFICATIONS.
3. PROVIDE CONTINUOUS WELDS, GRIND AND SAND SMOOTH PRIOR TO POWDER COATING.

1 / C8.3 TYPICAL ORNAMENTAL ACCESSIBLE GATE ACCESS CONTROLELED – DOUBLE

NO SCALE



2 / C8.3 METAL GATE KICK PLATE

NO SCALE

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REGISTERED PROFESSIONAL ENGINEER ANTHONY J TASSANO NO. 074690 OF CALIFORNIA

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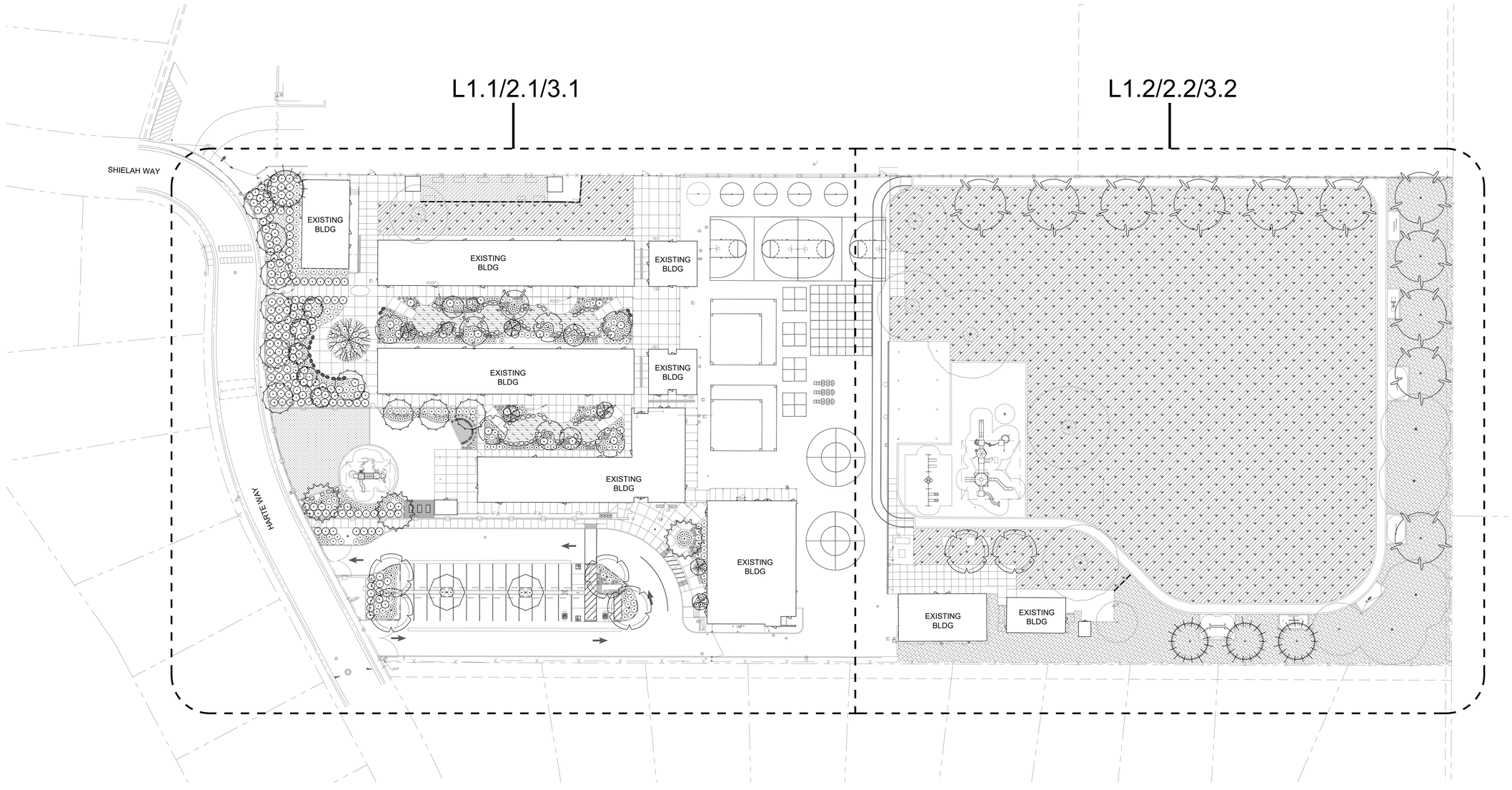
C8.3

FILENAME: I:\24-072\CIVIL\DWG\24-072-C81-C8.3.DWG



30' 15' 0 30' 60'

SCALE: 1"= 30'-0"

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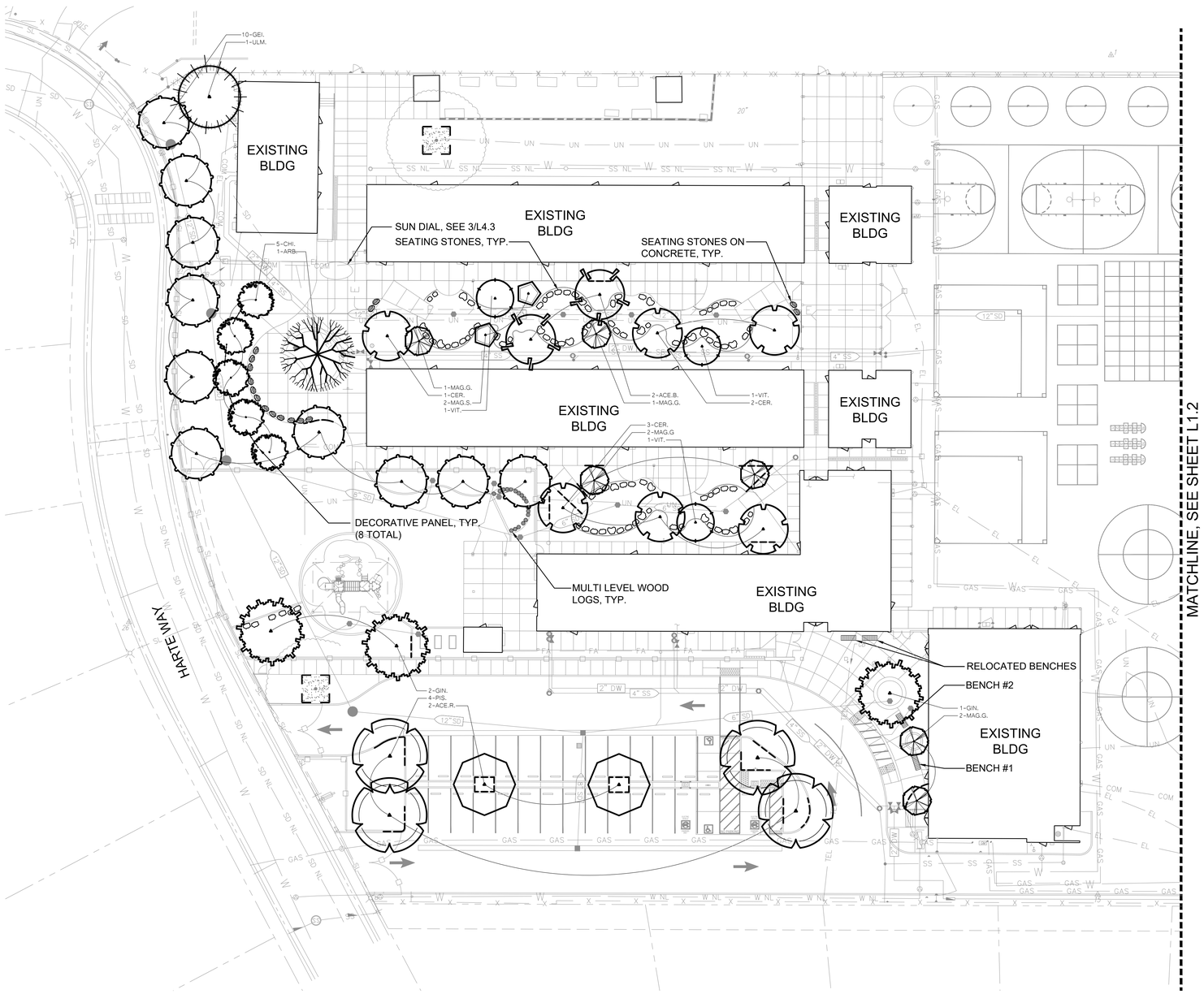
SHEET TITLE

OVERALL SITE PLAN

SHEET NO.

L0.0



KEY | LANDSCAPE TREES AND SITE LEGEND

TREES - NOT ALL SYMBOLS SHOWN

ROOT BARRIER, INSTALL WHERE SHOWN ON PLANS

7-AAA — PLANT QUANTITY / PLANT KEY

SEATING STONES ON CONCRETE
SEE DETAIL 4/L4.2

SEATING STONES
SEE DETAIL 5/L4.2

MULTI LEVEL WOOD LOGS
MANUFACTURER: KOMPAN - ROBINIA SEATING POLE
12" DIAMETER, 10"/12"/14" HEIGHT ABOVE GRADE
SEE DETAIL 1/L4.2

BENCH
MANUFACTURER: PATTERSON WILLIAMS ATHLETICS - LASER CUT BENCHES
MODEL: 3108-06 - 6' PLASMA CUT VERTICAL STEEL STRAP BENCH WITH BACK, AND LOGO PANEL
COLOR: B65 LIGHT GREEN
BENCH #1 LOGO: HOLLYWOOD PARK
BENCH #2 LOGO: SUPERSTARS
SEE 2/L4.2

DECORATIVE PANELS
MANUFACTURER: MAGLIN SITE FURNITURE - FLEXX PANELS (4 TOTAL)
MODEL: MPA2600-66714 - FLEXX PANEL, 4' W X 6' H
SEE DETAIL 2/L4.3

EXISTING TREES TO REMAIN

EXISTING TREE PROTECTION AREA:
THE PROTECTION AREA UNDER ANY EXISTING TREE THAT IS TO REMAIN IS DEFINED BY ITS DRIP LINE OR CANOPY COVER. WITHIN THIS AREA NO STORAGE OR PARKING WILL BE PERMITTED. ALL TRENCHING WILL BE PERFORMED BY HAND. DO NOT CUT ROOTS 1" IN DIAMETER OR LARGER. USE BORING PROCEDURES WHEN ENCOUNTERING ROOTS 1" SIZE AND LARGER. NO ROOTS ARE TO BE EXPOSED LONGER THAN 48 HOURS. SEE SHEET L4.1 FOR DETAILS.

TREE MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
			TREES:	
24" BOX	0	ACE.B.	ACER BUERGERIANUM ... TRIDENT MAPLE	MEDIUM
24" BOX	0	ACE.R.	ACER RUBRUM 'OCTOBER GLORY' ... RED MAPLE	MEDIUM
24" BOX	0	ARB.	ARBUTUS 'MARINA' ... STRAWBERRY TREE	LOW
24" BOX	0	CAL.	CALOCEDRUS DECURRENS ... CALIFORNIA INCENSE CEDAR	MEDIUM
24" BOX	0	CER.	CERCIS CANADENSIS VAR. TEXENSIS 'OKLAHOMA' ... OKLAHOMA REDBUD	MEDIUM
24" BOX	0	CHI.	CHIONANTHUS RETUSUS ... CHINESE FRINGE TREE	MEDIUM
24" BOX	0	GEI.	GEIJERA PARVIFLORA ... AUSTRALIAN WILLOW	MEDIUM
24" BOX	0	GIN.	GINKGO BILOBA 'AUTUMN GOLD' ... AUTUMN GOLD GINKGO	MEDIUM
24" BOX	0	MAG.G.	MAGNOLIA GRANDIFLORA 'LITTLE GEM' ... SOUTHERN MAGNOLIA	MEDIUM
24" BOX	0	MAG.S.	MAGNOLIA STELLATA ... STAR MAGNOLIA	MEDIUM
24" BOX	0	PIS.	PISTACIA CHINENSIS 'KEITH DAVEY' ... CHINESE PISTACHE	LOW
24" BOX	0	ULM.	ULMUS 'FRONTIER' ... FRONTIER ELM	LOW
24" BOX	6	VIT.	VITEX AGNUS CASTUS ... CHASTE TREE	LOW
24" BOX	0	ZEL.	ZELKOVA SERRATA 'GREEN VASE' ... GREEN VASE JAPANESE ZELKOVA	MEDIUM

GENERAL LANDSCAPE REQUIREMENTS/NOTES

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

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ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

THE TOP OF 18" SOIL ARE TO BE DEEP WATERED ON A WEEKLY BASIS VIA SUPPLEMENTAL DEEP WATER PROGRAM AS PROVIDED BY A PLUS TREE SERVICES, OR EQUAL. CONTACT PETER GREEN AT 619-643-3693

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

EXCAVATE 10 PLANTING PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1-AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD. UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

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20' 10' 0 20' 40'
SCALE: 1"= 20'-0"

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

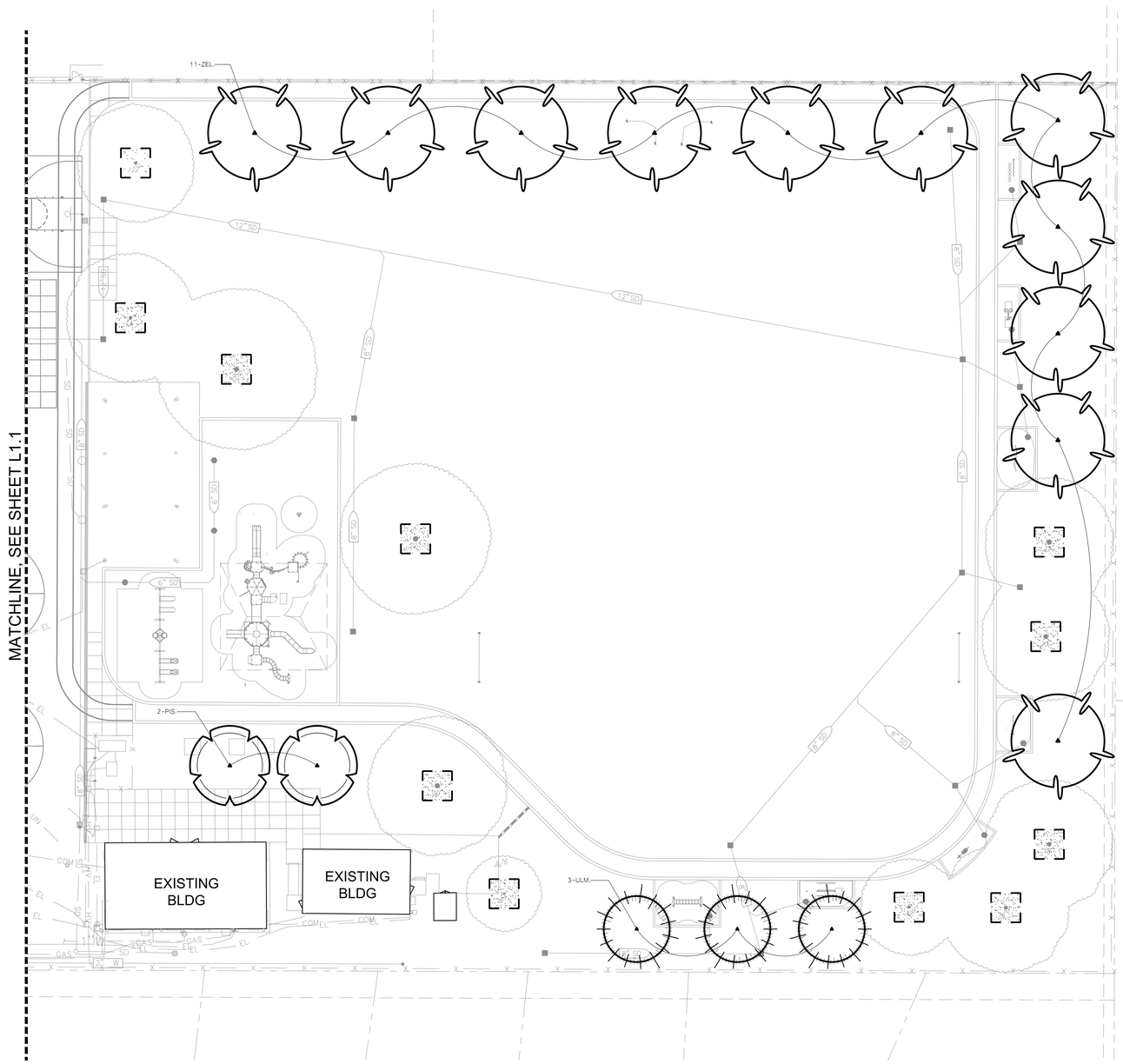
JOB NO.: Y2421.00

SHEET TITLE

TREE PLANTING, AND SITE PLAN

SHEET NO.

L1.1



KEY | LANDSCAPE TREES AND SITE LEGEND

TREES - NOT ALL SYMBOLS SHOWN

ROOT BARRIER, INSTALL WHERE SHOWN ON PLANS

7-AAA — PLANT QUANTITY

PLANT KEY

SEATING STONES ON CONCRETE
SEE DETAIL 4/L4.2

SEATING STONES
SEE DETAIL 5/L4.2

MULTI LEVEL WOOD LOGS
MANUFACTURER: KOMPAN - ROBINIA SEATING POLE
12" DIAMETER, 10"/12"/14" HEIGHT ABOVE GRADE
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DECORATIVE PANELS
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N

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

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LICENSED LANDSCAPE ARCHITECT
MARK WOLFE
5/03
No. 2507
CALIFORNIA

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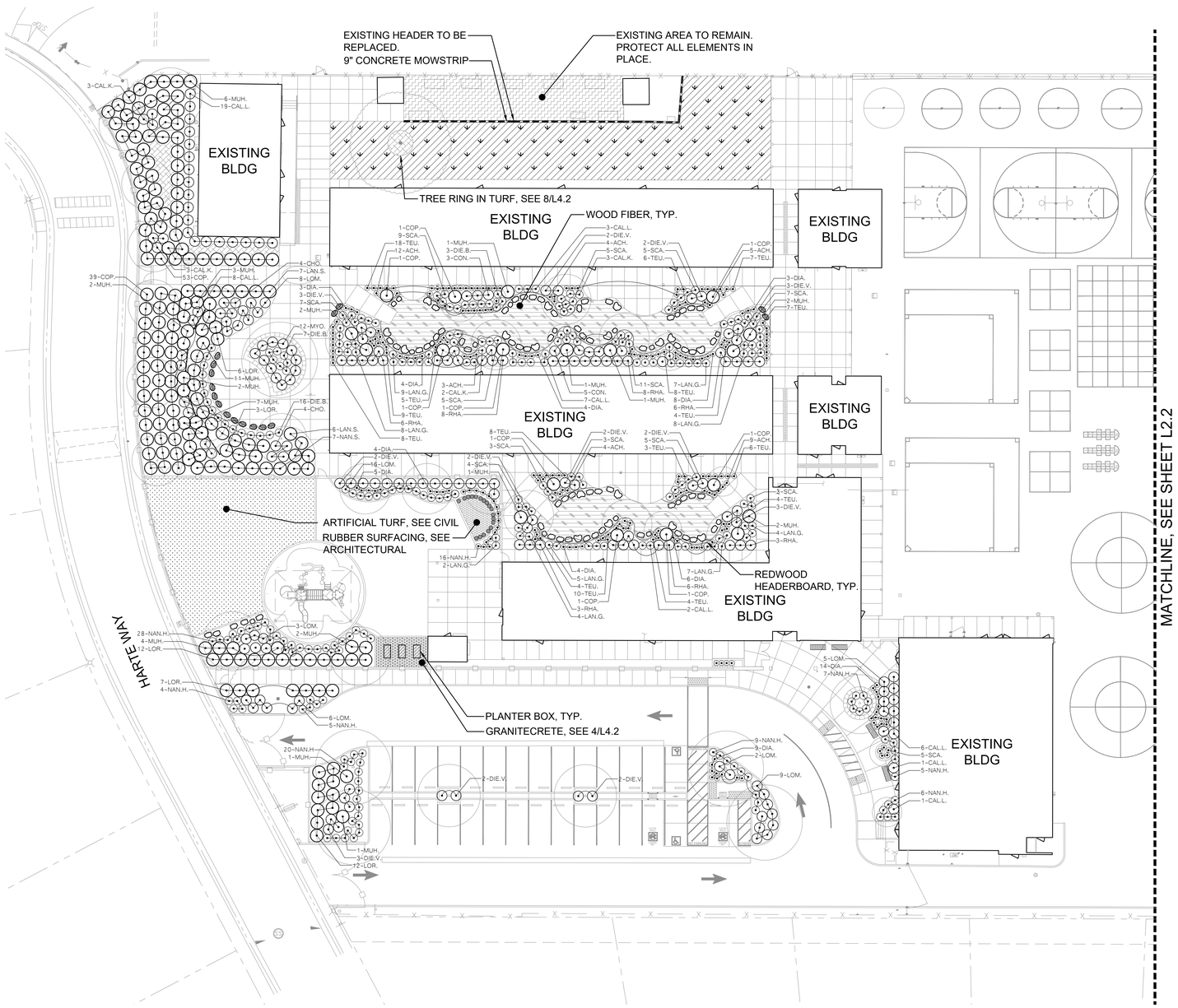
SHEET TITLE

TREE PLANTING, AND SITE PLAN

SHEET NO.

L1.2



KEY | LANDSCAPE LEGEND

- TREE OUTLINE FOR REFERENCE
- SHRUBS
- EXISTING AREA TO REMAIN IN PLACE.
- 3" DEPTH BARK MULCH
- ENGINEERED WOOD FIBER
- ARTIFICIAL TURF — SEE CIVIL SHEETS
- LAWN (SOD)
- GRANITECRETE — SEE DETAIL 3/L4.2
- PLANTER AREA
- RUBBER SURFACING — SEE ARCHITECTURAL SHEETS
- 9" CONCRETE MOWSTRIP — SEE DETAIL 6/L4.2
- REDWOOD HEADERBOARD — SEE DETAIL 7/L4.2
- PLANTER BOX — SEE DETAIL 1/L4.3
- DECORATIVE PANEL — SEE DETAIL 2/L4.3
- 7 – AAA — PLANT QUANTITY
- PLANT KEY
- EXISTING TREES TO REMAIN

SUGGESTED PLANT MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
			SHRUBS:	
1 G.C.	0	ACH.	ACHILLEA MILLEFOLIUM ... YARROW	LOW
1 G.C.	0	ANI.	ANIGOZANTHOS 'HARMONY' ... YELLOW KANGAROO PAW	LOW
1 G.C.	0	AZA.	AZALEA (RED) ... RED EVERGREEN AZALEA	LOW
5 G.C.	0	CAL.L.	CALLISTEMON 'LITTLE JOHN' ... LITTLE JOHN DWARF BOTTLEBRUSH	LOW
5 G.C.	0	CAL.K.	CALAMAGROSTIS 'KARL FOERSTER' ... FOERSTER'S FEATHER REED GRASS	LOW
1 G.C.	0	CHO.	CHONDROPETALUM TECTORUM 'EL CAMPO'	LOW
1 G.C.	0	CIS.	CISTUS HYBRIDUS ... WHITE ROCKROSE	LOW
5 G.C.	0	CON.	CONVOLVULUS CNEORUM ... BUSH MORNING GLORY	LOW
5 G.C.	0	COP.	COPROSMA KIRKII ... CREEPING COPROSMA	LOW
5 G.C.	0	DIA.	DIANELLA REVOLUTA 'BABY BLISS' ... BABY BLISS FLAX LILY	LOW
5 G.C.	0	DIE.B.	DIETES BICOLOR ... FORTNIGHT LILY	LOW
1 G.C.	0	DIE.V.	DIETES VEGETA ... FORTNIGHT LILY	LOW
1 G.C.	0	GRE.	GREVILLEA NOELII ... GREVILLEA	LOW
1 G.C.	0	LAN.G.	LANTANA 'GOLD RUSH' ... YELLOW LANTANA	LOW
5 G.C.	0	LAN.S.	LANTANA SELLOWIANA ... TRAILING LANTANA	LOW
1 G.C.	0	LOM.	LOMANDRA 'PLATINUM BEAUTY' ... PLATINUM BEAUTY LOMANDRA	LOW
1 G.C.	0	LOR.	LOROPETALUM CHINENSE 'RUBRUM' ... CHINESE FRINGE FLOWER	LOW
5 G.C.	0	MUH.	MUHLENBERGIA RIGEN ... DEER GRASS	LOW
1 G.C.	0	NAN.	NANDINA DOMESTICA 'HARBOR DWARF' ... DWARF HEAVENLY BAMBOO	LOW
5 G.C.	0	NAN.S.	NANDINA DOMESTICA 'SEIKA' ... OBSESSION HEAVENLY BAMBOO	LOW
5 G.C.	0	RHA.	RHAPHIOLEPIS UMBELLATA 'MINOR' ... DWARF YEDDO HAWTHORN	LOW
1 G.C.	0	SAL.L.	SALVIA LEUCANTHA ... MEXICAN BUSH SAGE	LOW
1 G.C.	0	SAL.V.	SALVIA MICROPHYLLA 'HOT LIPS' ... HOT LIPS SAGE	LOW
5 G.C.	0	SCA.	SCAEVOLA 'MUAVE CLUSTERS' ... FAN FLOWER	LOW
5 G.C.	0	TEU.	TEUCRIUM CHAMAEDRYS ... GERMANDER	LOW

GENERAL LANDSCAPE REQUIREMENTS/NOTES

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
5. SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.2 SOIL TESTING AND SECTION 3.3 PREPARATION.

SOIL PERCOLATION

EXCAVATE 10 PLANTING PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

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WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED, DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

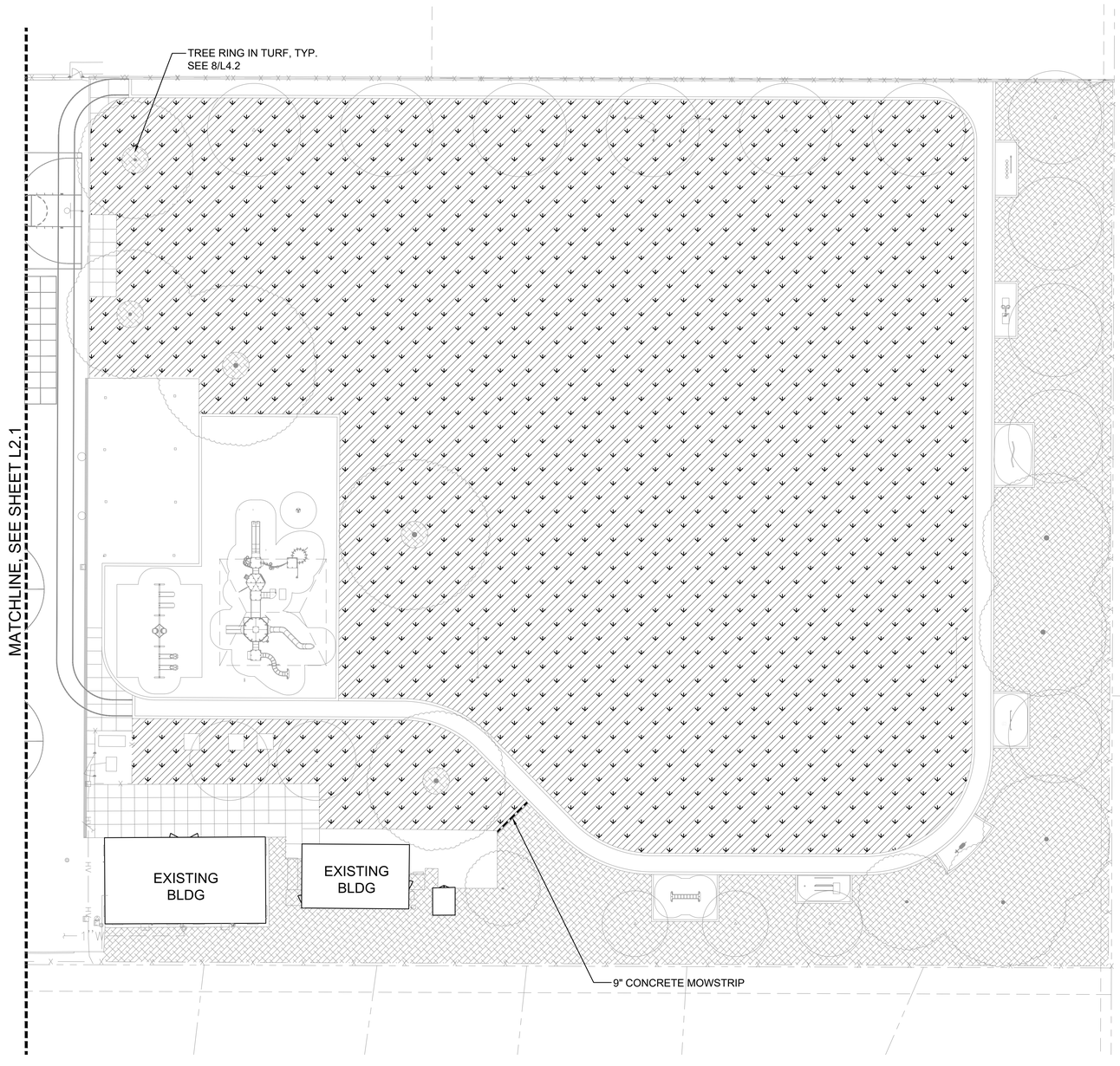
JOB NO.: Y2421.00

SHEET TITLE

SHRUB PLANTING PLAN

SHEET NO.

L2.1



KEY | LANDSCAPE LEGEND

- TREE OUTLINE FOR REFERENCE
- SHRUBS
- EXISTING AREA TO REMAIN IN PLACE.
- 3" DEPTH BARK MULCH
- ENGINEERED WOOD FIBER
- ARTIFICIAL TURF — SEE CIVIL SHEETS
- LAWN (SOD)
- GRANITECRETE — SEE DETAIL 3/L4.2
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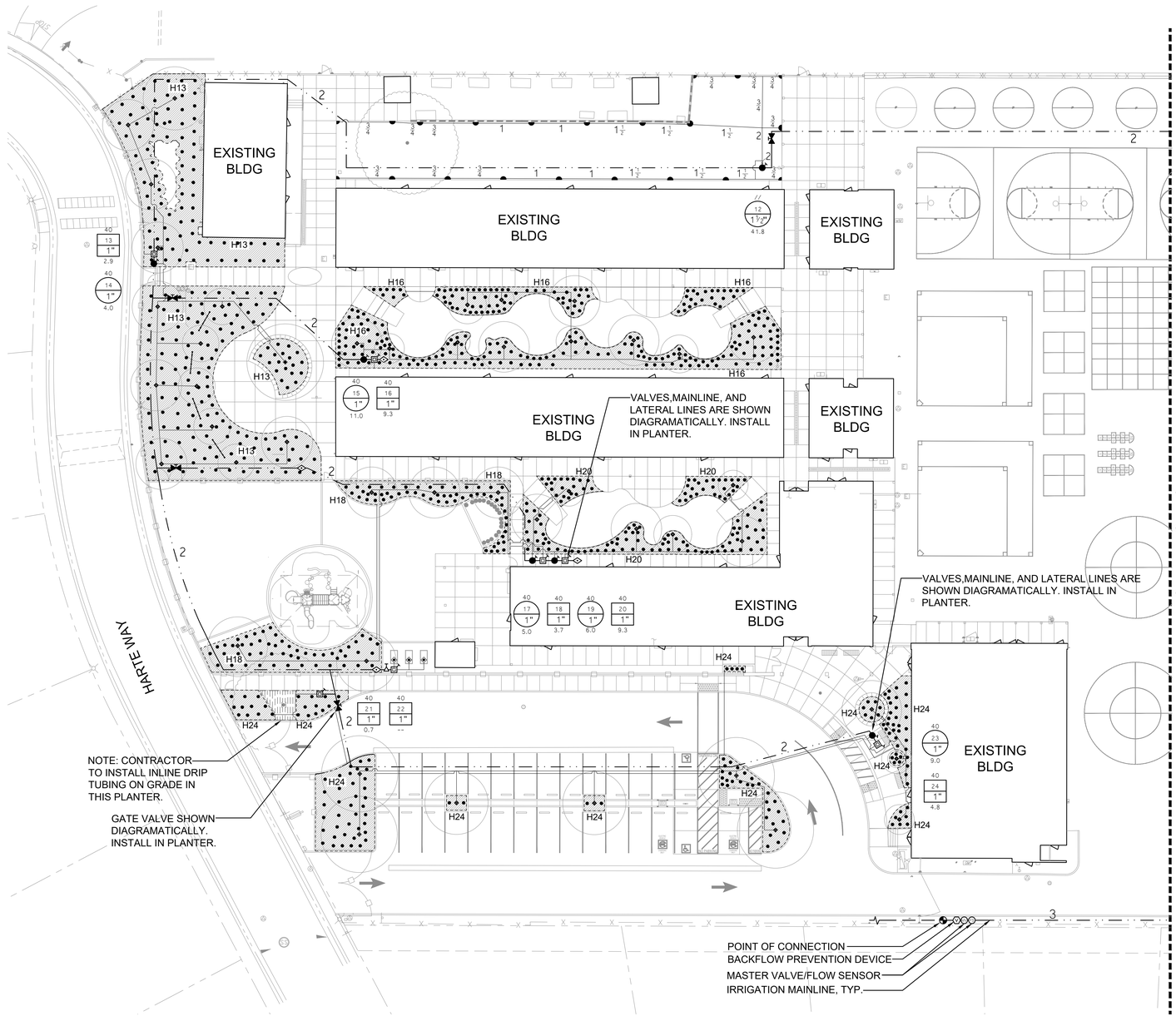
SHEET TITLE

SHRUB PLANTING PLAN

SHEET NO.

L2.2



KEY / SPRINKLER IRRIGATION LEGEND

AUTOMATIC CONTROLLER:
HUNTER ACC2 - 42 STATION CONTROLLER
MODEL#: A2C-1200-PED-SS WITH (5) A2M-800, A2C-LAN, ROAMXL-KIT.
CONTROLLER TO BE ASSEMBLED IN STAINLESS STEEL PEDESTAL ENCLOSURE WITH ETHERNET MODEM, ROAM SMART PORT, AND ROAMXL TRANSMITTER, RECEIVER, AND CARRYING CASE.

AND GROUNDING ROD/PLATE TO BE INSTALLED AS PER THE GROUNDING DETAIL.
COORDINATE 110V SERVICE AND POWER CONNECTION WITH ELECTRICAL SUB-CONTRACTOR.
COORDINATE ETHERNET CONNECTION WITH THE ELECTRICAL SUB-CONTRACTOR.

POINT OF CONNECTION:
STATIC WATER PRESSURE PRIOR TO WATER METER: 40 PSI
DYNAMIC WATER PRESSURE AFTER IRRIGATION BACKFLOW DEVICE: 25 PSI
IRRIGATION SYSTEM OPERATING WATER PRESSURE: 80 PSI
MAXIMUM FLOW IS 110 GPM

CONTRACTOR SHALL LOCATE STUBBED MAINLINE INDICATED ON CIVIL SHEETS.
CONNECT AT THIS POINT AND EXTEND AS INDICATED ON DRAWINGS.

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE:
WILKINS MODEL NO. 375XL, 2" SIZE. PROVIDE CONCRETE SLAB, PIPE STAND, AND ALL INCIDENTAL WORK. COORDINATE EXACT LOCATION IN FIELD.

BOOSTER PUMP:
BOOSTER PUMP SHALL BE BY V-POWER EQUIPMENT, INC.
MODEL # XXXXXXXXXXXXXX

INLET PRESSURE: 20 PSI
OUTLET PRESSURE: 80 PSI
MIN/MAX WATER DEMAND: 0.5GPM/110GPM
POWER INPUT: 480V, 3 PHASE

MASTER VALVE/FLOW SENSOR ASSEMBLY:
MASTER VALVE = 2" NORMALLY CLOSED GRISWOLD #2000L
FLOW SENSOR = CREATIVE SENSOR TECHNOLOGIES FSI-T20-001
FLOW SENSOR TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14.
MASTER VALVE TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14.

GATE VALVE:
TYPE:
LEEMCO LMV-XXBB WITH A NON-RISING STEM AND OPERATING NUT.
GATE VALVE INSTALLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE.
GATE VALVE TO BE LINE SIZE.

GARDEN GATE VALVE:
TYPE:
NIBCO T585S6R66LL 11/2 THD FP BV 2PT MTG LL SS
1 1/2" STAINLESS STEEL BALL VALVE WITH LOCKING HANDLE. PLACE IN 9" ROUND VALVE BOX.

QUICK COUPLER VALVE:
RAINBIRD 44NP OR APPROVED EQUAL.
VALVES SHALL HAVE LOCKING RUBBER COVERS, INSTALLED IN VALVE BOXES. TOP OF VALVE BOX SHALL HAVE BOLT DOWN LID AND TOP SET LEVEL TO FINISH GRADE.

EXISTING INCOMING PRESSURE MAIN LINE:
SEE POINT OF CONNECTION

EXISTING PRESSURE MAIN LINE:
TYPE:
3" SIZE AND SMALLER: ASTM D1785, PVC SCHEDULE 40 WITH LEEMCO FITTINGS
ALL MAIN LINE PIPING DOWN STREAM OF BOOSTER PUMP THAT CROSSES PAVEMENT GREATER THAN 16' IN LENGTH SHALL HAVE SECOND PIPE INSTALLED. ALL SECOND PIPE SHALL BE PVC GLUED, CAPPED, AND PRESSURE TESTED FOR FUTURE USE.
TRENCH DEPTH:
IN PLANTED AREAS: 24" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.

LATERAL LINE:
TYPE:
ASTM D1785, PVC SCHEDULE 40, SOLVENT WELD
TRENCH DEPTH:
IN PLANTED AREAS:
POP-UP SPRAY HEADS - 12" MINIMUM COVER.
ROTOR HEADS: - 18" MINIMUM COVER.
BUBBLER HEADS: - 12" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

AUTOMATIC CONTROL VALVE:
HUNTER ICV WITH PRESSURE REGULATOR AS INDICATED ON VALVE ID

LAWN POP-UP ROTOR HEADS:
FULL CIRCLE
HUNTER: I-40-06-SS-ON-15 (GRAY)
GPM:IN/HR (50 PSI)
THREE QUARTER
HUNTER: I-40-06-SS-13 (LT. BLUE)
GPM:IN/HR (60 PSI)
QUARTER CIRCLE
HUNTER: I-40-06-SS-13 (LT. BLUE)
GPM:IN/HR (60 PSI)
HALF CIRCLE
HUNTER: I-40-06-SS-13 (LT. BLUE)
GPM:IN/HR (60 PSI)

13:0.53 3.0:1.07
12.3:0.8 3.0:1.07
12.3:1.58 3.0:1.07
12.3:1.05 3.0:1.07

LAWN POP-UP INTERMEDIATE ROTOR HEADS:
FULL CIRCLE
HUNTER: I-20-06-SS-3.0SR (BLACK)
GPM:IN/HR (50 PSI)
THREE QUARTER
HUNTER: I-20-06-SS-3.0SR (BLACK)
GPM:IN/HR (50 PSI)
QUARTER CIRCLE
HUNTER: I-20-06-SS-3.0SR (BLACK)
GPM:IN/HR (50 PSI)
HALF CIRCLE
HUNTER: I-20-06-SS-3.0SR (BLACK)
GPM:IN/HR (50 PSI)

LAWN POP-UP SPRAY HEADS:
HUNTER: PROS-06-PRS40-CV WITH HUNTER MP820 SERIES NOZZLES. (40 PSI REGULATION)
THREE QUARTER, HALF, AND QUARTER SPRAY PATTERNS.
GPM SHOWN: 0.91

3.0 2.01 0.97

GARDEN DRIP EMITTER:
HUNTER: MPM-050 WITH MPE-CAPS, MULTI-PORT MANIFOLD WITH EMITTER CAPS.
INSTALL EMITTER CAPS ON BARBED EMITTER OUTLETS

SURFACE MOUNTED INLINE DRIP FOR EXISTING TREE:
NETAFIM TUBING TO BE TECHLINE CV AND IS TO BE INSTALLED IN THE DIRECTION OF THE ARROW AS SHOWN ON PLAN. TECHLINE TO BE INSTALLED AT GRADE. SEE DETAIL 7/L4.6.

PVC SCHEDULE 40 LATERAL LINES SHOWN ON THE PLAN, NETAFIM TECHLINE CV SHOWN DASHED.
NETAFIM DRIP TUBING SPACING:
EXISTING TREE PLANTER AREAS: 18" ROW SPACING (0.4 GPH @ 18" SPACING)
TECHLINE CV TUBING NOT TO EXCEED 400' IN A SINGLE RUN.

TREE BUBBLER HEADS (TWO PER TREE):
HUNTER RZWS-18-50-CV WITH INLINE CHECK VALVE
GPM SHOWN.

1.0

AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR:
HUNTER ICZ-101-LF (PRESSURE REGULATOR AS SPECIFIED BELOW)

SHRUB BUBBLER:
EMITTER TO BE HUNTER HEB-20 (2 GPH).
IH RISER TO BE BURIED A MINIMUM DEPTH OF 3" BELOW GRADE. HUNTER HI-RISER EXTENSION TO EACH BUBBLER NOT SHOWN. SEE DETAIL 8/L4.5 FOR INSTALLATION.
PVC SCHEDULE 40 LATERAL LINES SHOWN ON PLAN.
UNSIZED PIPE TO BE 3/4" SIZE. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.
LIMITS OF SHRUB BUBBLER PLACEMENT
INDICATES VALVE NUMBER
PVC SCH 40 LATERAL LINE

INDICATES DRIP CONTROL VALVE:
PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE)
STATION NUMBER
VALVE SIZE
GALLONS: GPM

INDICATES CONTROL VALVE:
PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE)
STATION NUMBER
VALVE SIZE
GALLONS: GPM

SPRINKLER IRRIGATION NOTES

1. COMPOSITE BASE SHEET: PROPOSED IMPROVEMENTS SHOWN ON DRAWINGS ARE SUPERIMPOSED ON A COMPOSITE BASE SHEET. THE COMPOSITE BASE SHEET IS A COMPILATION OF ARCHITECTURAL, ENGINEERING, AND OTHER DATA THAT IS PROVIDED. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR ERRORS PERTAINING TO THE COMPOSITE BASE SHEET. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS. ANY DISCREPANCIES NEED TO BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED PRIOR TO CONTINUATION OF WORK.
2. DESIGN PRESSURE SHOWN ON PLANS HAS BEEN FURNISHED BY WATER COMPANY OR WATER DISTRICT SERVING SITE. VERIFY PRESSURE ON-SITE PRIOR TO THE INSTALLATION OF ANY SPRINKLER IRRIGATION EQUIPMENT. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.
3. DETERMINE LOCATION OF UNDERGROUND UTILITIES. DAMAGE CAUSED BY INSTALLATION OF THIS WORK SHALL BE REPAIRED TO SATISFACTION OF GOVERNING AGENCY OR OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
4. SPRINKLER OVER SPRAY SHALL NOT BE ALLOWED ON PUBLIC SIDEWALKS, BUILDING WALLS OR FENCES. MINIMUM OVERSPRAY MAY OCCUR IN PARKING AREAS. USE ADJUSTABLE NOZZLES WHENEVER POSSIBLE TO CONTROL SPRINKLER OVERSPRAY.
5. ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY.
6. TESTING:
   A. PRESSURE TEST ALL UNDERGROUND PIPING AS FOLLOWS:
      SYSTEMS WITH BOOSTER PUMP:
         MAIN LINE - AT 100 PSI FOR 4 HOURS.
         LATERAL LINES - AT 100 PSI FOR 2 HOURS.
      SYSTEMS WITH OUT BOOSTER PUMP:
         MAIN LINE - AT STATIC PSI FOR 4 HOURS.
         LATERAL LINES - AT STATIC PSI FOR 2 HOURS.
   B. COVERAGE TEST: NOTE: PRIOR TO REQUESTING COVERAGE TEST, INSURE ALL HEADS ARE SET PLUMB, NOZZLES ARE ADJUSTED PROPERLY AND SYSTEM HAS BEEN CHECKED FOR AUTOMATION. REQUEST OWNER'S REPRESENTATIVES PRESENCE ON-SITE WHEN SPRINKLER SYSTEM IS COMPLETELY INSTALLED AND FULLY AUTOMATIC. PROVIDE ADEQUATE PERSONNEL AT THIS MEETING TO ADJUST AND FINE TUNE SYSTEM TO SATISFACTION OF OWNER'S REPRESENTATIVE.
7. LAYOUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS OR ADJUSTMENTS WILL BE REQUIRED.
8. INSTALL ALL SPRINKLER HEADS PERPENDICULAR TO SLOPES OR GRADE.
9. CONTROL WIRE SHALL BE UF-14, COLOR FOR LEAD AND WHITE FOR COMMON. SPLICES SHALL BE PERMITTED AT VALVE BOX LOCATIONS ONLY.
10. PROVIDE AND INSTALL AUTOMATIC CONTROLLER AND UF-14 CONTROL WIRE. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE 110V SERVICE AND SERVICE HOOKUP FROM POWER SOURCE TO AUTOMATIC CONTROLLER.
11. COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
12. NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.
13. FOR SPRINKLER IRRIGATION INSTALLATION DETAILS, SEE SHEET NO. L4.4-L4.6

PRE-CONSTRUCTION SPRINKLER IRRIGATION NOTES

1. PRIOR TO START OF CONSTRUCTION CONTRACTOR REQUIRED TO CONTACT:
   DANIEL MORGAN, MANAGER OF MAINTENANCE AND GROUNDS
   TO SET UP A MEETING ON SITE TO OPERATE THE EXISTING SPRINKLER IRRIGATION SYSTEM AND DISCUSS THE MODIFICATIONS THAT ARE TO BE MADE TO THE EXISTING SYSTEM TO ACCOMMODATE FOR THE NEW CONSTRUCTION.
2. CONTRACTOR TO OPERATE AND PROGRAM EXISTING SPRINKLER IRRIGATION SYSTEM THAT IS TO REMAIN IN ORDER TO PROVIDE WATER TO THE EXISTING LANDSCAPE TO REMAIN.
3. CONTRACTOR TO REMOVE ALL EXISTING PIPE AND SPRINKLER HEADS WHEN THEY ARE IN NEW PLANTING AREAS.
4. CONTRACTOR TO RESTORE AND REPAIR ANY EXISTING SPRINKLER IRRIGATION SYSTEM OR EXISTING LANDSCAPE WHICH IS IN AREAS TO REMAIN THAT IS DAMAGED BY NEW WORK.
5. ALL WORK TO EXISTING SPRINKLER IRRIGATION SYSTEM TO BE COMPLETED PRIOR TO SITE DEMOLITION.

20' 10' 0 20' 40'
SCALE: 1"= 20'-0"

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ARCHITECT
DSA SUBMITTAL

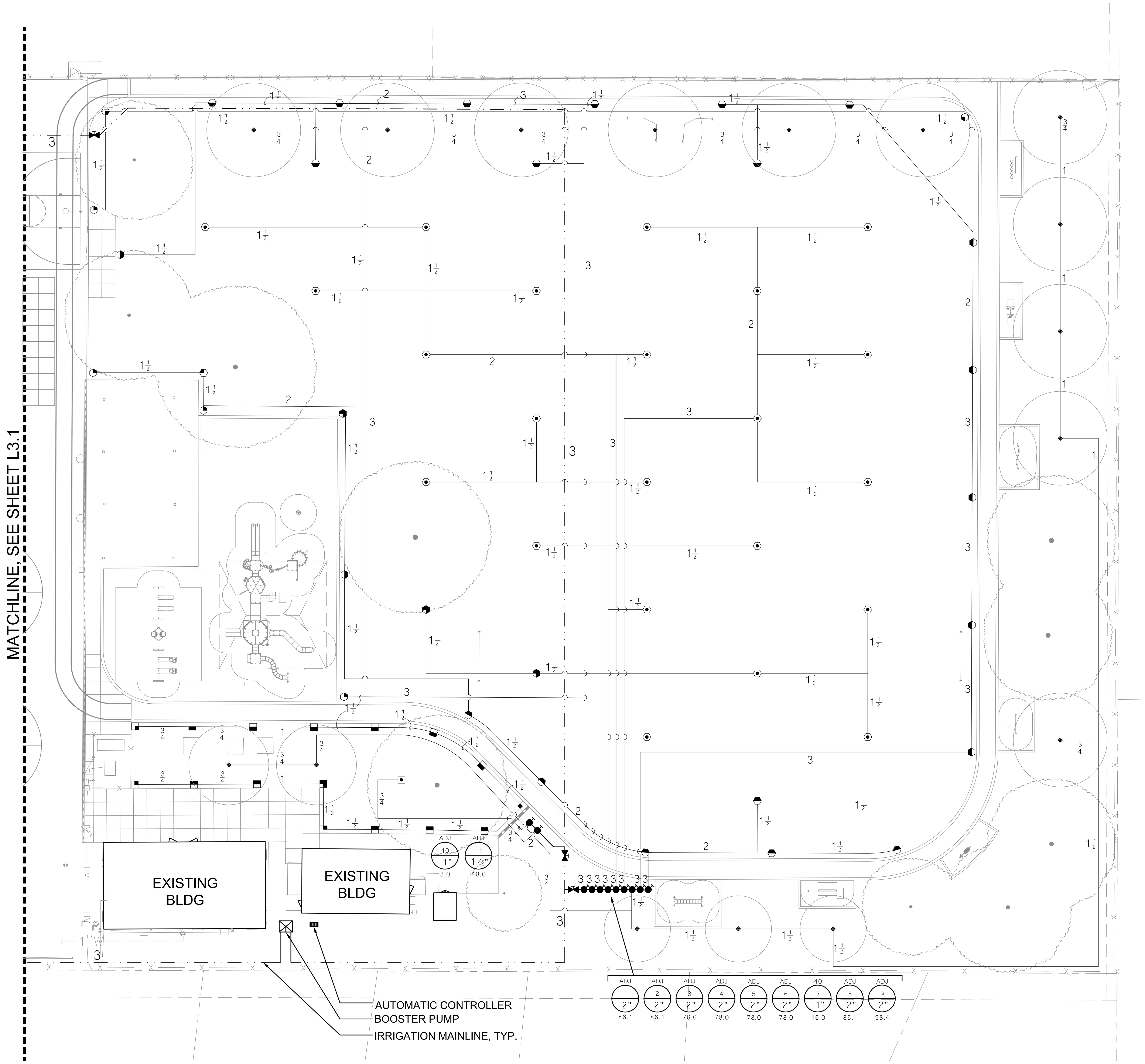
REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00

SHEET TITLE
LANDSCAPE IRRIGATION PLAN

SHEET NO.
L3.1



KEY — SPRINKLER IRRIGATION LEGEND

AUTOMATIC CONTROLLER:
HUNTER ACC2 - 42 STATION CONTROLLER
MODEL#: A2C-1200-PED-SS WITH (5) A2M-600, A2C-LAN, ROAMXL-KIT.
CONTROLLER TO BE ASSEMBLED IN STAINLESS STEEL PEDESTAL ENCLOSURE WITH ETHERNET MODEM, ROAM SMART PORT, AND ROAMXL TRANSMITTER, RECEIVER, AND CARRYING CASE.

AND GROUNDING ROD/PLATE TO BE INSTALLED AS PER THE GROUNDING DETAIL.
COORDINATE 110V SERVICE AND POWER CONNECTION WITH ELECTRICAL SUB-CONTRACTOR.
COORDINATE ETHERNET CONNECTION WITH THE ELECTRICAL SUB-CONTRACTOR.

POINT OF CONNECTION:
STATIC WATER PRESSURE PRIOR TO WATER METER: 40 PSI
DYNAMIC WATER PRESSURE AFTER IRRIGATION BACKFLOW DEVICE: 25 PSI
IRRIGATION SYSTEM OPERATING WATER PRESSURE: 80 PSI
MAXIMUM FLOW IS 110 GPM

CONTRACTOR SHALL LOCATE STUBBED MAINLINE INDICATED ON CIVIL SHEETS.
CONNECT AT THIS POINT AND EXTEND AS INDICATED ON DRAWINGS.

REDUCED PRESSURE BACKFLOW PREVENTION DEVICE:
WILKINS MODEL NO. 375XL, 2" SIZE. PROVIDE CONCRETE SLAB, PIPE STAND, AND ALL INCIDENTAL WORK. COORDINATE EXACT LOCATION IN FIELD.

BOOSTER PUMP:
BOOSTER PUMP SHALL BE BY V-POWER EQUIPMENT, INC.
MODEL # XXXXXXXXXXXXX

INLET PRESSURE: 20 PSI
OUTLET PRESSURE: 80 PSI
MIN/MAX WATER DEMAND: 0.5GPM/110GPM
POWER INPUT: 480V, 3 PHASE

MASTER VALVE/FLOW SENSOR ASSEMBLY:
MV — MASTER VALVE = 2" NORMALLY CLOSED GRISWOLD #2000L
FS — FLOW SENSOR = CREATIVE SENSOR TECHNOLOGIES FSI-T20-001
FLOW SENSOR TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14.
MASTER VALVE TO BE CONNECTED TO AUTOMATIC CONTROLLER WITH UF-14.

GATE VALVE:
TYPE:
LEEMCO LMV-XXBB WITH A NON-RISING STEM AND OPERATING NUT.
GATE VALVE INSTALLED IN A VALVE BOX WITH TOP OF BOX SET FLUSH TO FINISH GRADE.
GATE VALVE TO BE LINE SIZE.

GARDEN GATE VALVE:
TYPE:
NIBCO T585S6R66LL 11/2 THD FP BV 2PT MTG LL SS
1 1/2" STAINLESS STEEL BALL VALVE WITH LOCKING HANDLE. PLACE IN 9" ROUND VALVE BOX.

QUICK COUPLER VALVE:
RAINBIRD 44NP OR APPROVED EQUAL.
VALVES SHALL HAVE LOCKING RUBBER COVERS, INSTALLED IN VALVE BOXES. TOP OF VALVE BOX SHALL HAVE BOLT DOWN LID AND TOP SET LEVEL TO FINISH GRADE.

EXISTING INCOMING PRESSURE MAIN LINE:
SEE POINT OF CONNECTION

EXISTING PRESSURE MAIN LINE:
TYPE:
3" SIZE AND SMALLER: ASTM D1785, PVC SCHEDULE 40 WITH LEEMCO FITTINGS
ALL MAIN LINE PIPING DOWN STREAM OF BOOSTER PUMP THAT CROSSES PAVEMENT GREATER THAN 16' IN LENGTH SHALL HAVE SECOND PIPE INSTALLED. ALL SECOND PIPE SHALL BE PVC GLUED, CAPPED, AND PRESSURE TESTED FOR FUTURE USE.
TRENCH DEPTH:
IN PLANTED AREAS: 24" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.

LATERAL LINE:
TYPE:
ASTM D1785, PVC SCHEDULE 40, SOLVENT WELD
TRENCH DEPTH:
IN PLANTED AREAS:
POP-UP SPRAY HEADS - 12" MINIMUM COVER.
ROTOR HEADS: - 18" MINIMUM COVER.
BUBBLER HEADS: - 12" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

AUTOMATIC CONTROL VALVE:
HUNTER ICV WITH PRESSURE REGULATOR AS INDICATED ON VALVE ID

LAWN POP-UP ROTOR HEADS: (13:0.53, 12.3:0.8, 12.3:1.58, 12.3:1.05)
FULL CIRCLE
HUNTER: I-40-06-SS-ON-15 (GRAY)
GPM:IN/HR (50 PSI)
THREE QUARTER
HUNTER: I-40-06-SS-13 (LT. BLUE)
GPM:IN/HR (60 PSI)
QUARTER CIRCLE
HUNTER: I-40-06-SS-13 (LT. BLUE)
GPM:IN/HR (60 PSI)
HALF CIRCLE
HUNTER: I-40-06-SS-13 (LT. BLUE)
GPM:IN/HR (60 PSI)

LAWN POP-UP INTERMEDIATE ROTOR HEADS: (3.0:1.07, 3.0:1.07, 3.0:1.07, 3.0:1.07)
FULL CIRCLE
HUNTER: I-20-06-SS-3.0SR (BLACK)
GPM:IN/HR (50 PSI)
THREE QUARTER
HUNTER: I-20-06-SS-3.0SR (BLACK)
GPM:IN/HR (50 PSI)
QUARTER CIRCLE
HUNTER: I-20-06-SS-3.0SR (BLACK)
GPM:IN/HR (50 PSI)
HALF CIRCLE
HUNTER: I-20-06-SS-3.0SR (BLACK)
GPM:IN/HR (50 PSI)

LAWN POP-UP SPRAY HEADS: (3.0, 2.01, 0.97)
HUNTER: PROS-06-PRS40-CV WITH HUNTER MP820 SERIES NOZZLES. (40 PSI REGULATION)
THREE QUARTER, HALF, AND QUARTER SPRAY PATTERNS.
GPM SHOWN: 0.91

GARDEN DRIP EMITTER:
HUNTER: MPM-050 WITH MPE-CAPS, MULTI-PORT MANIFOLD WITH EMITTER CAPS.
INSTALL EMITTER CAPS ON BARBED EMITTER OUTLETS

SURFACE MOUNTED INLINE DRIP FOR EXISTING TREE:
NETAFIM TUBING TO BE TECHLINE CV AND IS TO BE INSTALLED IN THE DIRECTION OF THE ARROW AS SHOWN ON PLAN. TECHLINE TO BE INSTALLED AT GRADE. SEE DETAIL 7/L4.6.

PVC SCHEDULE 40 LATERAL LINES SHOWN ON THE PLAN, NETAFIM TECHLINE CV SHOWN DASHED.
NETAFIM DRIP TUBING SPACING:
EXISTING TREE PLANTER AREAS: 18" ROW SPACING (0.4 GPH @ 18" SPACING)
TECHLINE CV TUBING NOT TO EXCEED 400' IN A SINGLE RUN.

TREE BUBBLER HEADS (TWO PER TREE): (1.0)
HUNTER RZWS-18-50-CV WITH INLINE CHECK VALVE
GPM SHOWN.

AUTOMATIC DRIP IRRIGATION VALVE/FILTER/PRESSURE REGULATOR:
HUNTER ICZ-101-LF (PRESSURE REGULATOR AS SPECIFIED BELOW)

SHRUB BUBBLER: (H2)
EMITTER TO BE HUNTER HEB-20 (2 GPH).
IH RISER TO BE BURIED A MINIMUM DEPTH OF 3" BELOW GRADE. HUNTER HI-RISER EXTENSION TO EACH BUBBLER NOT SHOWN. SEE DETAIL 8/L4.5 FOR INSTALLATION.
PVC SCHEDULE 40 LATERAL LINES SHOWN ON PLAN.
UNSIZED PIPE TO BE 3/4" SIZE. PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.
LIMITS OF SHRUB BUBBLER PLACEMENT
INDICATES VALVE NUMBER
PVC SCH 40 LATERAL LINE

INDICATES DRIP CONTROL VALVE: (40 / 1 / 1" / 00)
PRESSURE REGULATOR: PSI SHOWN (// IF NOT SPECIFIED, ADJ IF ADJUSTABLE)
STATION NUMBER
VALVE SIZE
GALLONS: GPM

INDICATES CONTROL VALVE: (ADJ / 2 / 1" / 00)
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10. PROVIDE AND INSTALL AUTOMATIC CONTROLLER AND UF-14 CONTROL WIRE. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE 110V SERVICE AND SERVICE HOOKUP FROM POWER SOURCE TO AUTOMATIC CONTROLLER.
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PRE-CONSTRUCTION SPRINKLER IRRIGATION NOTES

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SCALE: 1"= 20'-0"

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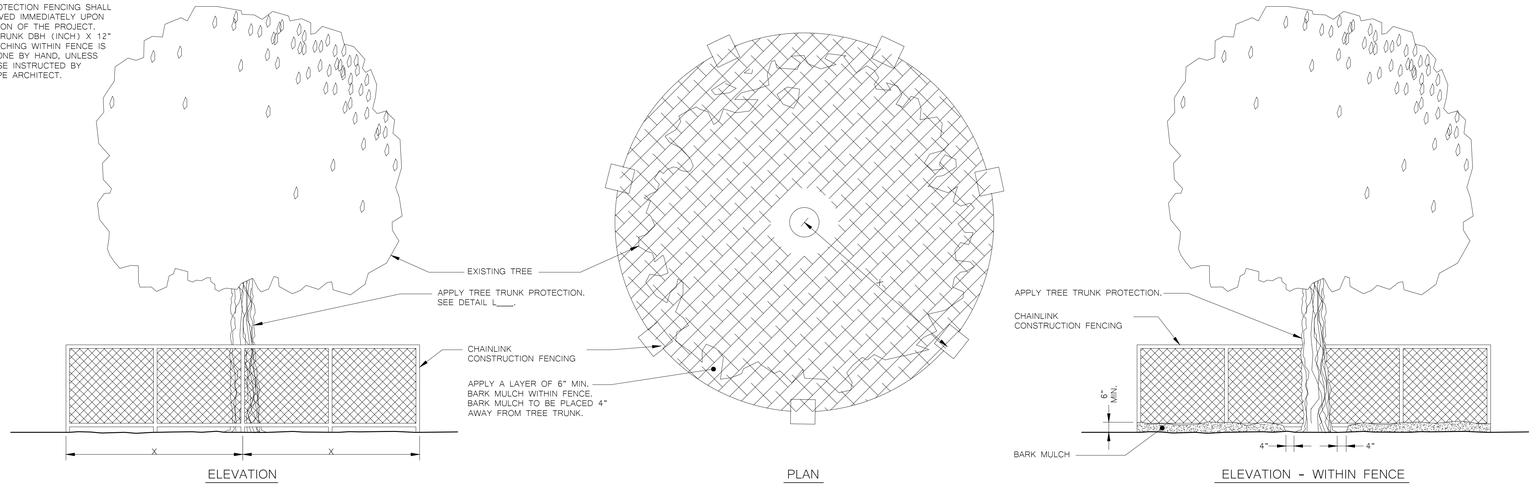
DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

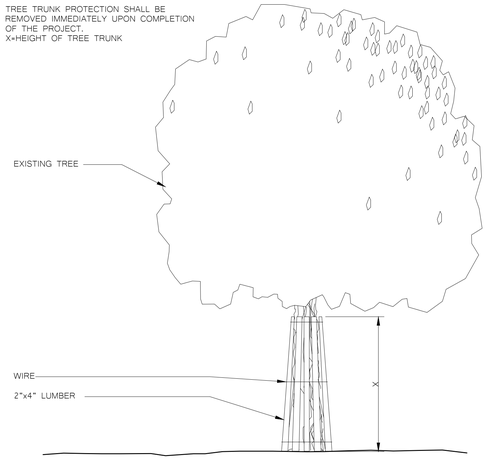
DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE
LANDSCAPE IRRIGATION PLAN
SHEET NO.
L3.2

NOTE:
1. TREE PROTECTION FENCING SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PROJECT.
2. X=TREE TRUNK DBH (INCH) X 12"
3. ALL TRENCHING WITHIN FENCE IS TO BE DONE BY HAND, UNLESS OTHERWISE INSTRUCTED BY LANDSCAPE ARCHITECT.



1 TREE PROTECTION FENCING DETAIL

NOTE:
1. TREE TRUNK PROTECTION SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PROJECT.
2. X=HEIGHT OF TREE TRUNK



2 TREE TRUNK PROTECTION DETAIL

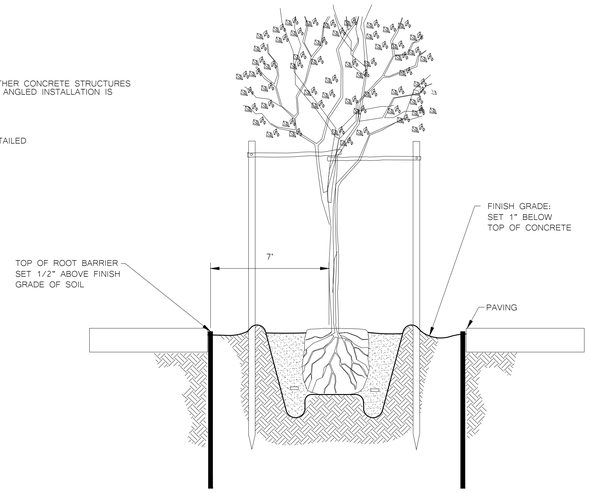
NOTE:
1. SEE TREE PLANTING DETAIL FOR ADDITIONAL INFORMATION.

TREE ROOT BARRIER PROTECTION

1. CONTRACTOR TO REMOVE ALL CONCRETE SPOILS FROM FLATWORK, CURBS OR OTHER CONCRETE STRUCTURES TO ENSURE THE ROOT BARRIER IS ADJACENT TO THE CONCRETE AND VERTICAL. ANGLED INSTALLATION IS NOT ACCEPTABLE.
2. TREE SHALL BE LOCATED IN CENTER OR MIDPOINT OF PLANTER.
3. TREE ROOT BARRIER IS TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS.
4. TREE ROOT BARRIER SHALL BE INSTALLED ADJACENT TO EDGE OF PAVING AS DETAILED
5. PLACE ROOT BARRIER SO THAT VERTICAL RIBS FACE TOWARD THE TREE.

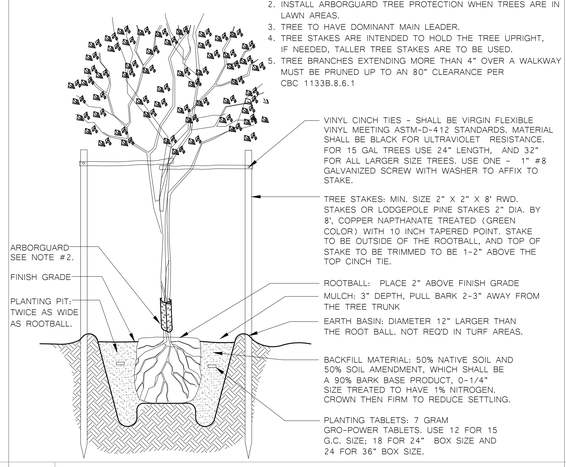
ROOT BARRIER
BY: DEEP ROOT PARTNERS OR NDS INC. OR APPROVED EQ.

15 GAL SIZE TREE OR LARGER:
24" MODULAR ROOT BARRIER PANEL



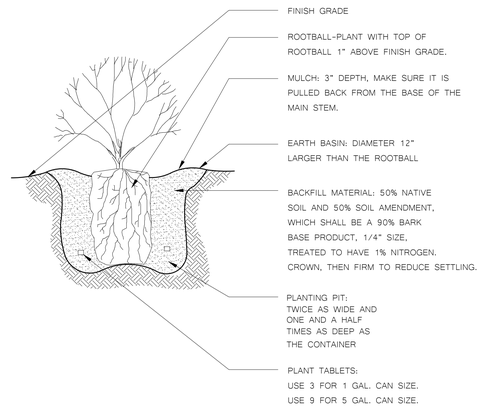
3 ROOT BARRIER CONTROL DETAIL

NOTES:
1. VITAMIN B-1: SUPERTHRIVE, LIQUINOX START OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH THE SECOND WATERING OF THE BASIN.
2. INSTALL ARBORGUARD TREE PROTECTION WHEN TREES ARE IN LAWN AREAS.
3. TREE TO HAVE DOMINANT MAIN LEADER.
4. TREE STAKES ARE INTENDED TO HOLD THE TREE UPRIGHT, IF NEEDED, TALLER TREE STAKES ARE TO BE USED.
5. TREE BRANCHES EXTENDING MORE THAN 4" OVER A WALKWAY MUST BE PRUNED UP TO AN 80" CLEARANCE PER CBC 1133B.8.6.1



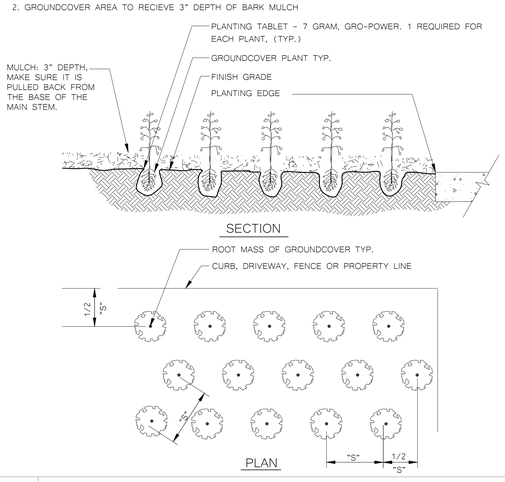
4 TREE PLANTING AND STAKING DETAIL

NOTE: VITAMIN B-1 SUPERTHRIVE LIQUINOX OR EQUAL. APPLY AS PER MANUFACTURE'S INSTRUCTIONS WITH SECOND WATERING OF THE BASIN.



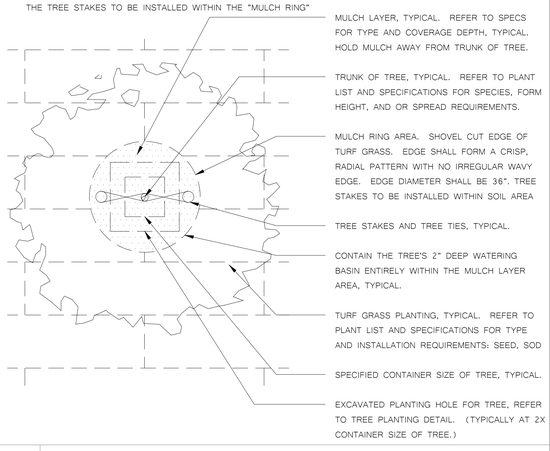
5 SHRUB PLANTING DETAIL

NOTE:
1. "S" INDICATES SPACING SHOWN ON PLAN
2. GROUNDCOVER AREA TO RECIEVE 3" DEPTH OF BARK MULCH



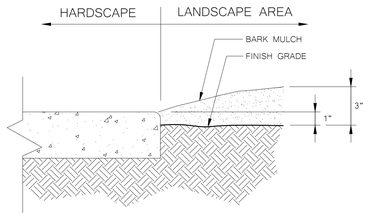
6 GROUNDCOVER/ANNUAL PLANTING DETAIL

NOTES:
1. IF SOD IS NOT USED, CONTRACTOR SHALL REMOVE AN 36" ROUND AREA OF LAWN TO CREATE A "MULCH RING".
2. THE "MULCH RING" TO BE CENTERED ON THE TREE TRUNK AND THE TREE STAKES TO BE INSTALLED WITHIN THE "MULCH RING"



7 TREE MULCH RING IN TURF GRASS

NOTES:
1. FINISH GRADE OF SOIL TO BE 1" BELOW ADJACENT HARDSCAPE FOR BOTH LAWN AREAS AND PLANTER BED AREAS
2. BARK MULCH DEPTH DOES NOT DICTATE THE ELEVATION OF THE FINISH GRADE
3. BARK MULCH TO BE FEATHERED DOWN TO 1" DEPTH, 12" FROM EDGE OF HARDSCAPE



8 LANDSCAPE GRADE ADJACENT TO HARDSCAPE DETAIL

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MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
2707 K Street, Suite 201
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CONSULTANT 916 369-3990

FOR REVIEW AND COMMENT ONLY NOT FOR CONSTRUCTION

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

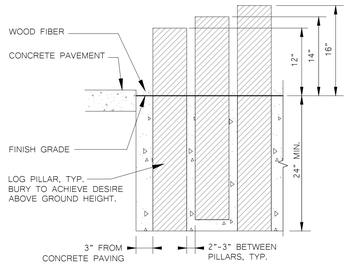
SHEET TITLE

LANDSCAPE PLANTING DETAILS

SHEET NO.

L4.1

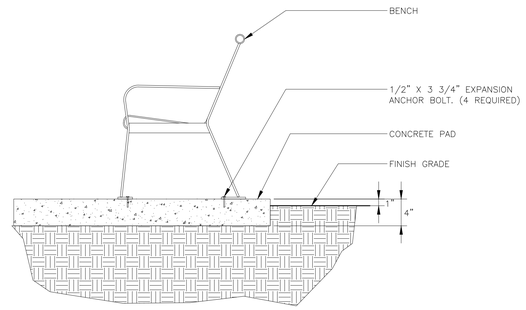
NOTE:
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
2. SEE PLAN FOR MAKE AND MODELS OF THE LOGS.



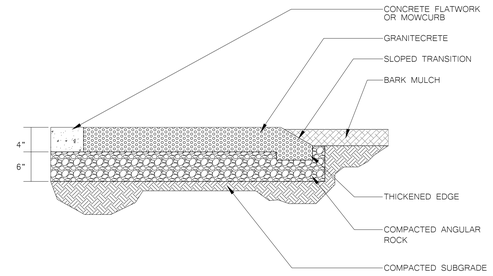
SECTION

PLACEMENTS OF LOGS WITH HEIGHTS

LOG PILLARS DETAIL



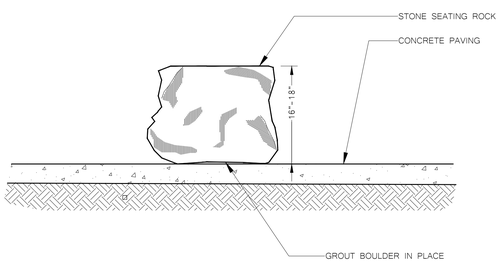
2 BENCH DETAIL



3 GRANITECRETE FOR ACCESSIBLE PATH

NOTES:
1. ALL ROCKS SHALL BE PROVIDED BY MONTANA ROCKWORK OR APPROVED EQUAL.
2. ROCK TO BE SET AT A DEPTH OF APPROXIMATELY 6". ROCK MAY BE PLACED LOWER TO ACHIEVE THE DESIRED SITTING HEIGHT
3. ACTUAL ROCK TYPE, SIZE AND COLOR SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT. CONTACT AND SCHEDULE MEETING FOR BOULDER SELECTION PRIOR TO PURCHASING.

QUANTITY	SIZE
16	24"HX48"LX30"D

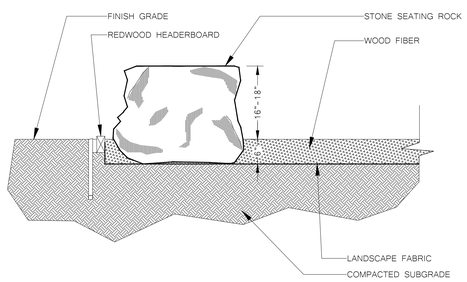


SECTION

4 NATURAL SEATING STONE ON CONCRETE DETAIL

NOTES:
1. ALL ROCKS SHALL BE PROVIDED BY MONTANA ROCKWORK OR APPROVED EQUAL.
2. ROCK TO BE SET AT A DEPTH OF APPROXIMATELY 6". ROCK MAY BE PLACED LOWER TO ACHIEVE THE DESIRED SITTING HEIGHT
3. ACTUAL ROCK TYPE, SIZE AND COLOR SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT. CONTACT AND SCHEDULE MEETING FOR BOULDER SELECTION PRIOR TO PURCHASING.

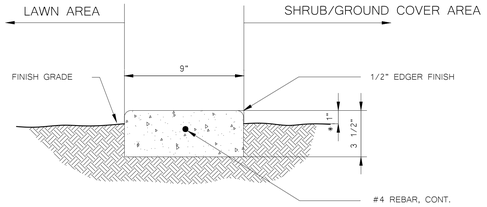
QUANTITY	SIZE
89	24"HX48"LX30"D



SECTION

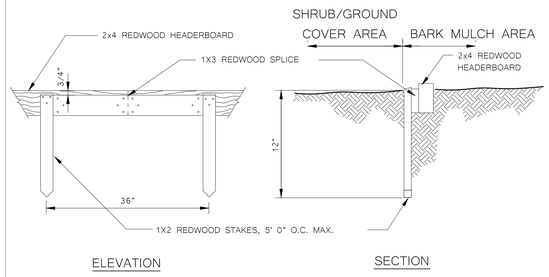
5 NATURAL SEATING STONE ON GRADE DETAIL

NOTES:
1. USE 1/2" FELT EXPANSION JOINT MATERIAL AT ALL CHANGES OF DIRECTIONS AND AT 10' O.C.
*2. WHEN SURFACE DRAINAGE IS INTENDED TO FLOW TOWARD AND ACROSS MOWSTRIP, SOIL SURFACE SHALL BE FLUSH WITH TOP OF MOWSTRIP. UNLESS OTHERWISE NOTED SOIL SHALL BE 1" BELOW TOP OF MOWSTRIP.
3. ALL CONCRETE SHALL BE 5 SACK MIX, 2800 PSI AT 28 DAYS AFTER POUR.
4. FINISH SHALL BE FINE BROOM.



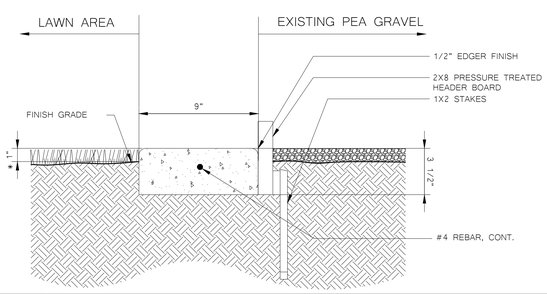
6 9" CONCRETE MOWSTRIP DETAIL

NOTES:
1. WHEREVER POSSIBLE INSTALL STAKES AND SPLICES ON SHRUB/GROUNDCOVER SIDE.
2. ALL LUMBER TO BE REDWOOD CONSTRUCTION ROUGH (CALIFORNIA REDWOOD ASSOCIATION GRADING)
3. LAMINATE 1X4 BOARDS FOR CURVES. USE 1X3 REDWOOD AT SPLICES. STAGGER SPLICES.



7 REDWOOD HEADERBOARD DETAIL

NOTES:
1. USE 1/2" FELT EXPANSION JOINT MATERIAL AT ALL CHANGES OF DIRECTIONS AND AT 10' O.C.
*2. WHEN SURFACE DRAINAGE IS INTENDED TO FLOW TOWARD AND ACROSS MOWSTRIP, SOIL SURFACE SHALL BE FLUSH WITH TOP OF MOWSTRIP. UNLESS OTHERWISE NOTED SOIL SHALL BE 1" BELOW TOP OF MOWSTRIP.
3. ALL CONCRETE SHALL BE 5 SACK MIX, 2800 PSI AT 28 DAYS AFTER POUR.
4. FINISH SHALL BE FINE BROOM.



8 9" CONCRETE MOWSTRIP BY HEADERBOARD DETAIL

DIVISION OF THE STATE ARCHITECT

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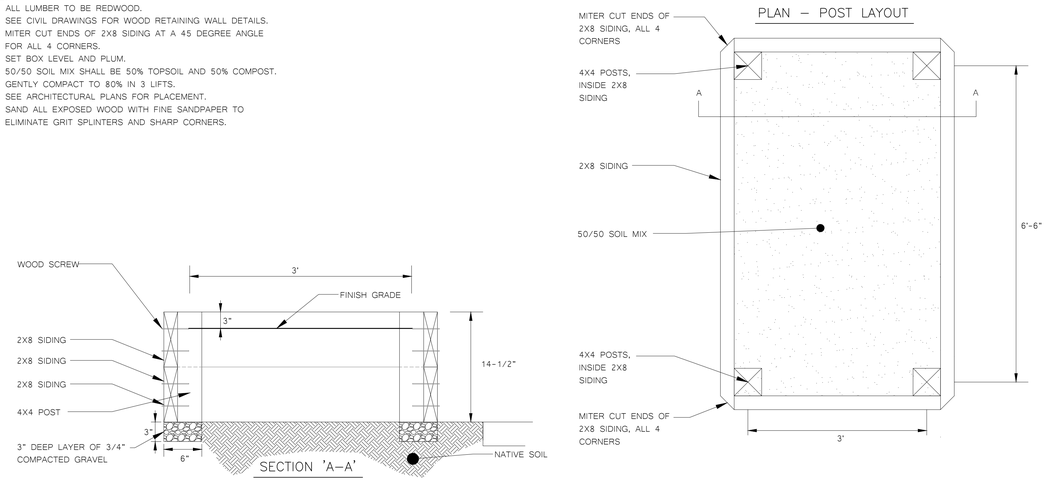
SHEET TITLE

LANDSCAPE SITE DETAILS

SHEET NO.

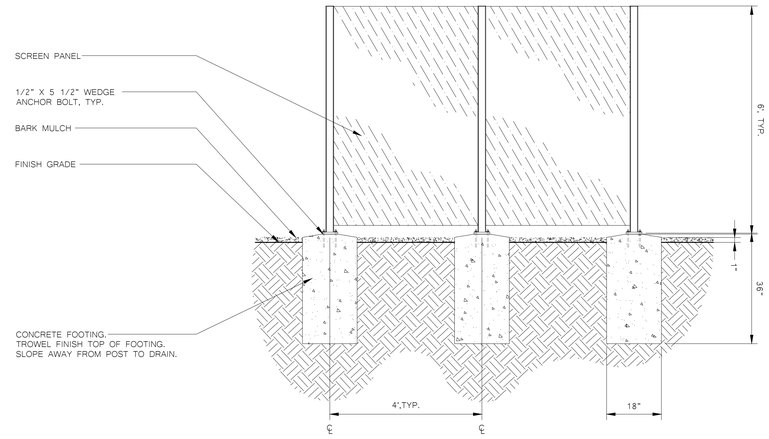
L4.2

NOTE:
1. ALL LUMBER TO BE REDWOOD.
2. SEE CIVIL DRAWINGS FOR WOOD RETAINING WALL DETAILS.
3. MITER CUT ENDS OF 2X8 SIDING AT A 45 DEGREE ANGLE FOR ALL 4 CORNERS.
4. SET BOX LEVEL AND PLUM.
5. 50/50 SOIL MIX SHALL BE 50% TOPSOIL AND 50% COMPOST. GENTLY COMPACT TO 80% IN 3 LIFTS.
6. SEE ARCHITECTURAL PLANS FOR PLACEMENT.
7. SAND ALL EXPOSED WOOD WITH FINE SANDPAPER TO ELIMINATE GRIT SPLINTERS AND SHARP CORNERS.



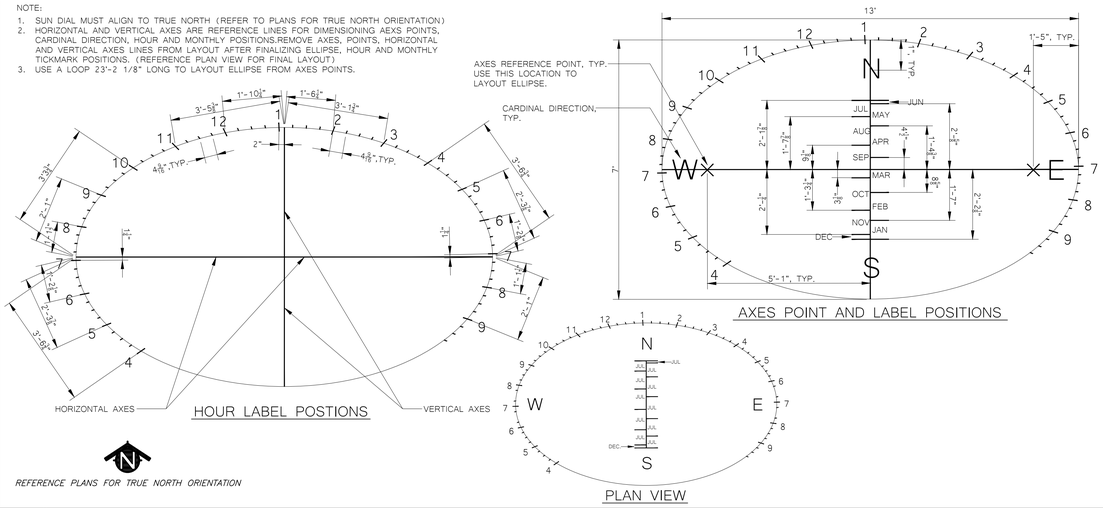
1 WOOD PLANTER BOX

NOTE:
1. DOUBLE PANEL NET WEIGHT: 273.22 LBS
2. PATTERN: FUSION
3. POST AND SCREEN COLOR: CONTRACTOR TO SUBMIT



2 DECORATIVE PANEL INSTALLATION DETAIL

NOTE:
1. SUN DIAL MUST ALIGN TO TRUE NORTH (REFER TO PLANS FOR TRUE NORTH ORIENTATION)
2. HORIZONTAL AND VERTICAL AXES ARE REFERENCE LINES FOR DIMENSIONING AEXS POINTS, CARDINAL DIRECTION, HOUR AND MONTHLY POSITIONS.REMOVE AXES, POINTS, HORIZONTAL AND VERTICAL AXES LINES FROM LAYOUT AFTER FINALIZING ELLIPSE, HOUR AND MONTHLY TICKMARK POSITIONS. (REFERENCE PLAN VIEW FOR FINAL LAYOUT)
3. USE A LOOP 23'-2 1/8" LONG TO LAYOUT ELLIPSE FROM AXES POINTS.



3 SUN DIAL STRIPING DETAIL

DIVISION OF THE STATE ARCHITECT

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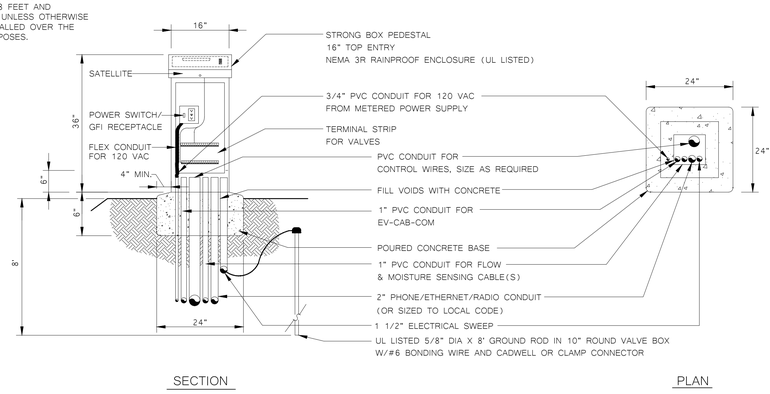
LANDSCAPE SITE DETAILS

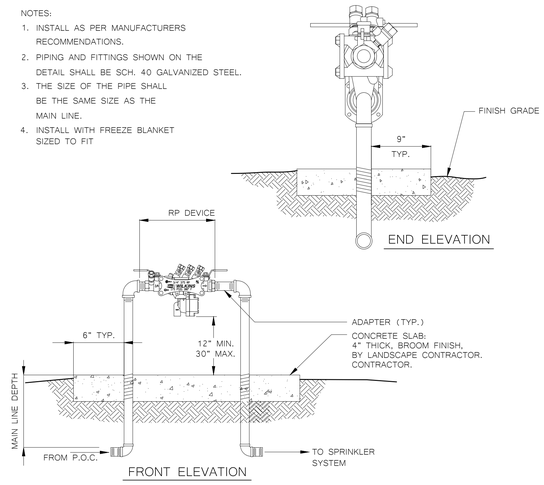
SHEET NO.
L4.3

NOTE:
1. ASSEMBLY TO INCLUDE:
   CONTROLLER MODEL, ENCLOSURE MODEL, AND OPTIONS AS SPECIFIED
   TERMINAL STRIPS
   TEMPLETE AND BOLTS
   UL LISTED 8' COPPER GROUND ROD
   GROUND ROD CLAMP OR CADWELD
   10' OF #6 GROUNDING WIRE
2. ALL CABLES AND ELECTRICAL WIRES MUST BE RUN IN CONDUIT
3. GROUND ROD SHALL BE LOCATED NO CLOSER THAN 8 FEET AND NO FURTHER THAN 12 FEET FROM THE CONTROLLER UNLESS OTHERWISE SPECIFIED. A 10" ROUND VALVE BOX SHALL BE INSTALLED OVER THE GROUND ROD FOR LOCATION AND MAINTENANCE PURPOSES.



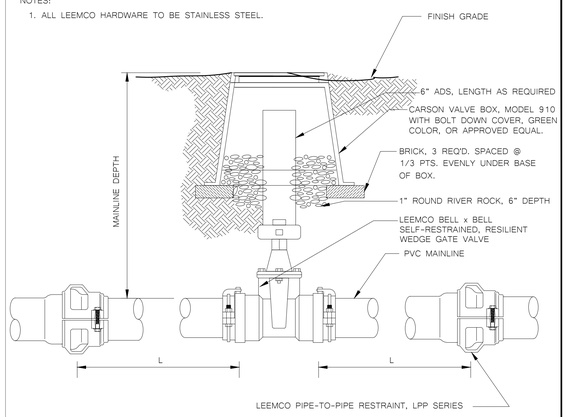
1 AUTOMATIC CONTROLLER - TOP ENTRY PEDESTAL DETAIL

NOTES:
1. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.
2. PIPING AND FITTINGS SHOWN ON THE DETAIL SHALL BE SCH. 40 GALVANIZED STEEL.
3. THE SIZE OF THE PIPE SHALL BE THE SAME SIZE AS THE MAIN LINE.
4. INSTALL WITH FREEZE BLANKET SIZED TO FIT



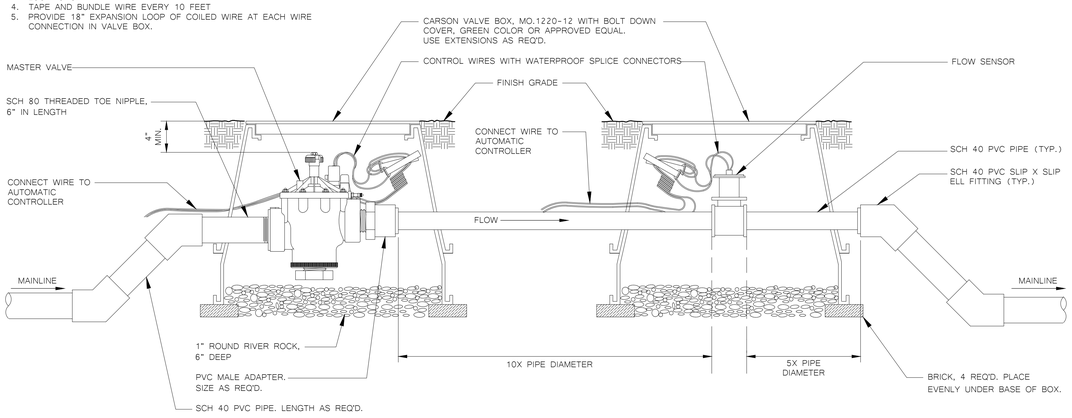
2 BACKFLOW PREVENTION DEVICE

NOTES:
1. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



3 LEEMCO SELF-RESTRAINED GATE VALVE DETAIL

NOTES:
1. SET VALVE BOX LEVEL WITH FINISH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP OF COILED WIRE AT EACH WIRE CONNECTION IN VALVE BOX.



4 MASTER VALVE AND FLOW SENSOR DETAIL

DISTANCE CHART

REFER TO THE FOLLOWING TABLE THAT LISTS THE LENGTH (IN FEET) FOR EACH SIZE/TYPE FITTING WITHIN WHICH ALL JOINTS MUST BE RESTRAINED. ALL FITTINGS AND JOINT RESTRAINTS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS & SPECIFICATIONS.

AS AN EXAMPLE, IF YOU ARE INSTALLING A 3" MAINLINE WITH A DIRECTIONAL CHANGE OF 90°, REFER TO CHART UNDER PIPE SIZE TO 3" AND UNDER BENDS 90 YOU WILL SEE THE DISTANCE OF 11'. IF THERE ARE ANY JOINTS (I.E. VALVE, BELL, ETC.) YOU MUST INSTALL A JOINT RESTRAINT ON THAT JOINT WITHIN 11' OF THE 90° MAINLINE DIRECTIONAL CHANGE.

PIPE SIZE	BENDS				REDUCERS			DEAD END	GATE VALVE
	11°	22°	45°	90°	1 STEP	2 STEP	3 STEP		
2"	1'	1'	2'	6'	-	-	-	19'	10'
2.5"	1'	2'	4'	9'	4'	-	-	23'	12'
3"	2'	3'	6'	11'	8'	10'	-	30'	15'
4"	2'	4'	9'	20'	14'	20'	31'	45'	23'
6"	3'	6'	13'	29'	30'	40'	53'	63'	31'
8"	4'	8'	15	38'	33'	55'	63'	75'	38'
10"	5'	9'	19'	45'	36'	56'	75'	96'	48'
12"	5'	10'	21'	53'	38'	60'	83'	112'	56'

NOTE: STEP REDUCTION EXAMPLE: 1 STEP (8 X 6), 2 STEP (8 X 4), 3 STEP (8 X 3)

INSTALLATION CHART

REFER TO THE FOLLOWING TABLE WHICH LISTS THE NUMBER OF BOLTS, SIZE, AND TORQUE FOR EACH BOLT IN REFERENCE TO THE SIZE OF PIPE WHICH IS BEING RESTRAINED.

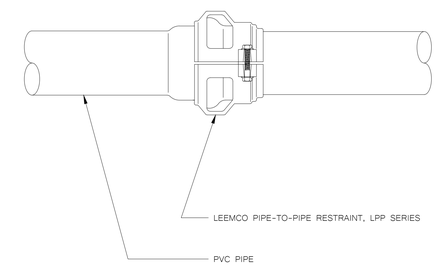
AS AN EXAMPLE, IF YOU HAVE A 3" PIPE, YOU WILL NEED 2 BOLTS THAT ARE 3/8 X 2.5" AND TIGHTEN THEM WITH A TORQUE WRENCH TO 20 FT-LBS.

PIPE SIZE	NO. BOLTS	BOLT SIZE	TORQUE FT-LBS.
2"	2	3/8" x 2.5"	20
2.5"	2	3/8" x 2.5"	20
3"	2	3/8" x 2.5"	20
4"	2	1/2" x 3.5"	50
6"	2	1/2" x 3.5"	50
8"	4	1/2" x 4"	50
10"	4	5/8" x 5.5"	100
12"	4	5/8" x 5.5"	100

CONTACT NUNZIO DICHRISTOPHER @ (916) 202-1333, THE LEEMCO REPRESENTATIVE, FOR ALL QUESTIONS CONCERNING LEEMCO PRODUCTS. COORDINATE AN INSTALLATION CLINIC WITH NUNZIO PRIOR TO INSTALLING THE MAINLINE.

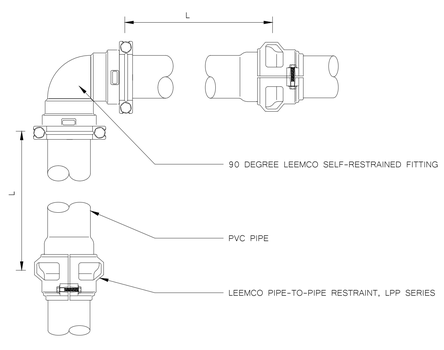
5 LEEMCO JOINT RESTRAINTS CHART

NOTES:
1. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



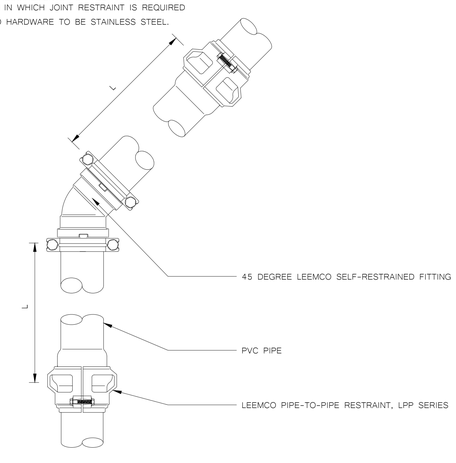
6 LEEMCO BELL JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



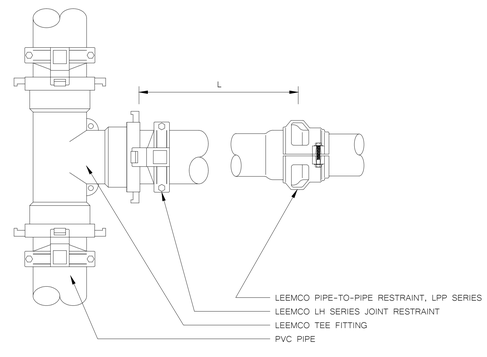
7 LEEMCO ELBOW WITH JOINT RESTRAINTS DETAIL

NOTES:
1. SET VALVE BOX LEVEL. PLACE LOCATOR INSIDE.
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



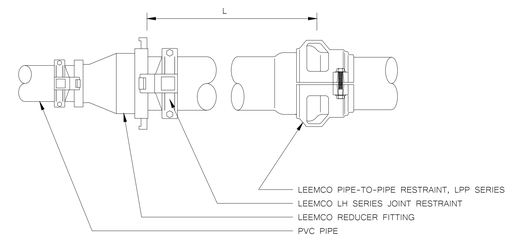
8 LEEMCO 45 ELBOW WITH JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



9 LEEMCO TEE WITH JOINT RESTRAINTS DETAIL

NOTES:
1. REFER TO LEEMCO MANUEL FOR JOINT RESTRAINT REQUIREMENTS FOR ALL FITTINGS.
   L = LENGTH IN WHICH JOINT RESTRAINT IS REQUIRED
2. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



10 LEEMCO REDUCER WITH JOINT RESTRAINTS DETAIL

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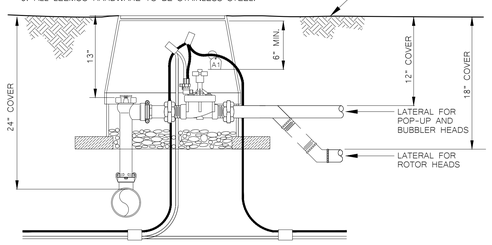
SHEET TITLE

LANDSCAPE IRRIGATION DETAILS

SHEET NO.

L4.4

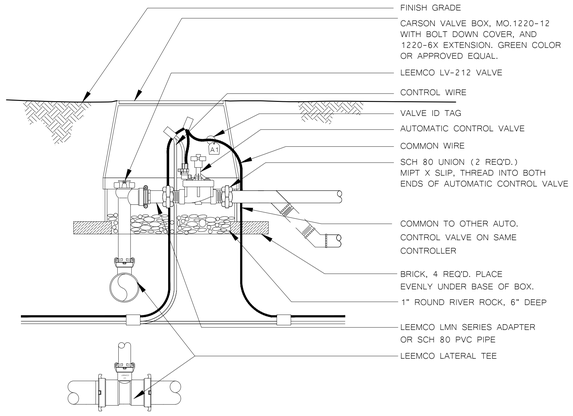
NOTES:
1. SET VALVE BOX LEVEL, PLACE LOCATOR INSIDE. VALVE BOX TO BE LEVEL WITH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX
6. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



6. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:

POP-UP SPRAY HEADS:	35 - 40 PSI
INTERMEDIATE POP-UP ROTOR HEADS:	50 - 55 PSI
POP-UP ROTOR HEADS:	60 - 70 PSI
BUBBLER HEADS:	30 - 40 PSI
DRIP SYSTEMS:	15 - 20 PSI

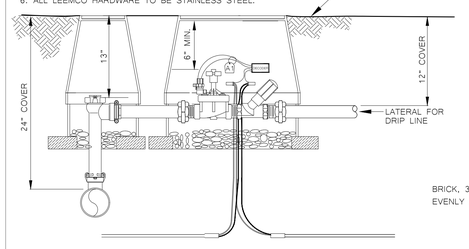
VALVE BOX, SETTINGS, AND CLEARANCES



COMPONENTS INSTALLATION

1 AUTOMATIC CONTROL VALVE/LEEMCO ANGLE VALVE DETAIL - IN PLANTER

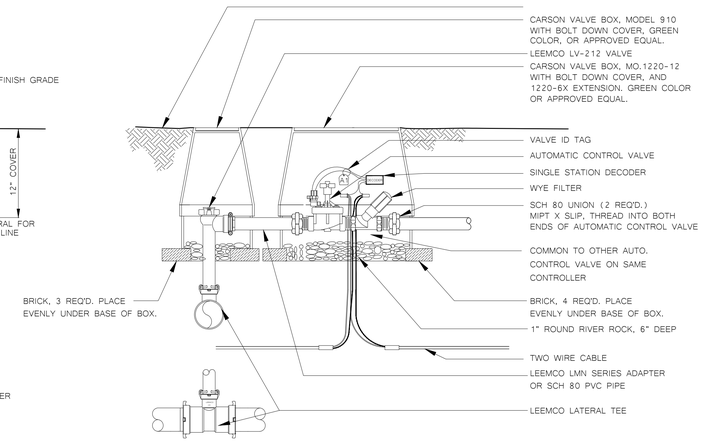
NOTES:
1. SET VALVE BOX LEVEL, PLACE LOCATOR INSIDE. VALVE BOX TO BE LEVEL WITH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX
6. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



6. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:

DRIP SYSTEMS:	25 - 30 PSI

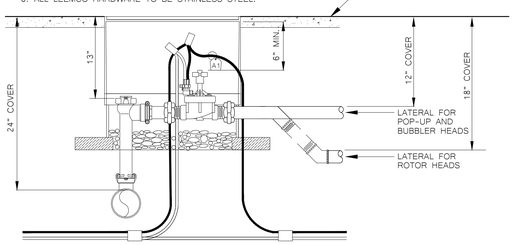
VALVE BOX, SETTINGS, AND CLEARANCES



COMPONENTS INSTALLATION

2 AUTOMATIC CONTROL DRIP VALVE/LEEMCO ANGLE VALVE DETAIL - IN PLANTER

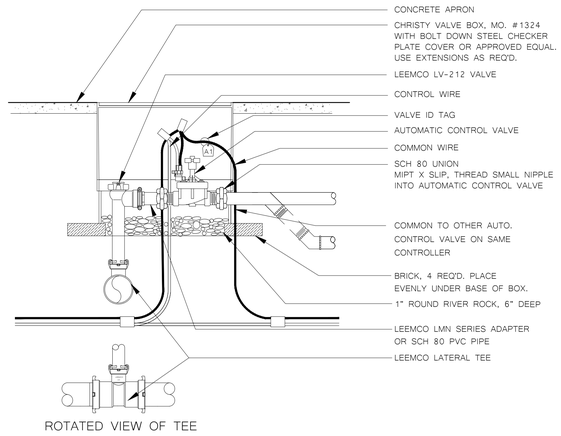
VALVE BOX TO BE LEVEL WITH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS. SPLICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS.
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX
6. ALL LEEMCO HARDWARE TO BE STAINLESS STEEL.



6. FOR VALVES WITH PRESSURE REGULATION FEATURE, SET VALVE PRESSURE AS PER MANUFACTURERS RECOMMENDATIONS TO THE PRESSURE AS FOLLOWS:

POP-UP SPRAY HEADS:	35 - 40 PSI
INTERMEDIATE POP-UP ROTOR HEADS:	50 - 55 PSI
POP-UP ROTOR HEADS:	60 - 70 PSI
BUBBLER HEADS:	30 - 40 PSI
DRIP SYSTEMS:	15 - 20 PSI

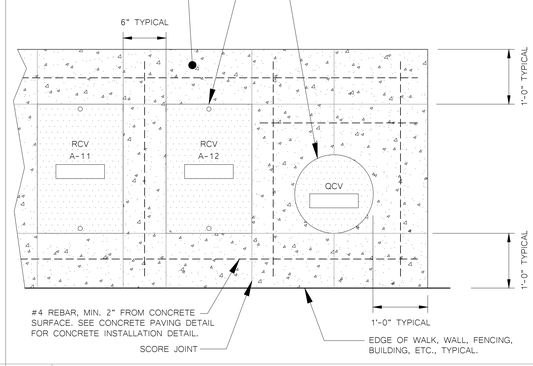
VALVE BOX, SETTINGS, AND CLEARANCES



COMPONENTS INSTALLATION

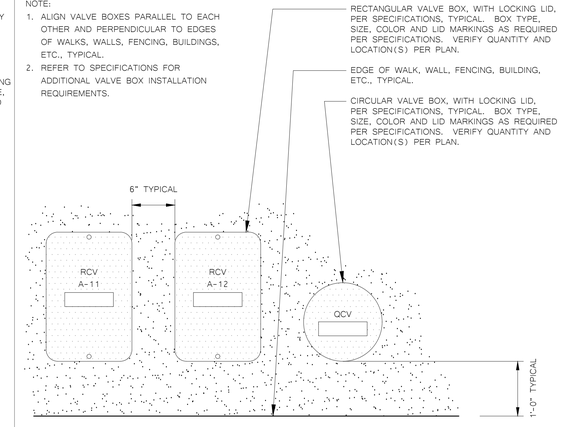
3 AUTOMATIC CONTROL VALVE/LEEMCO ANGLE VALVE DETAIL - IN LAWN OR HARDSCAPE

NOTE:
ALIGN VALVE BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGES OF WALKS, WALLS, FENCING, BUILDINGS, ETC., TYPICAL.
REFER TO SPECIFICATIONS FOR ADDITIONAL VALVE BOX INSTALLATION REQUIREMENTS.



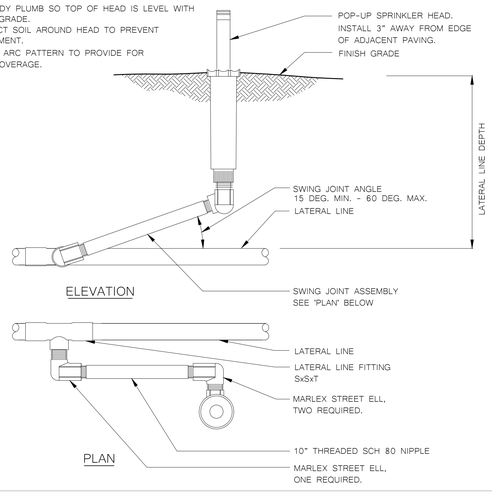
4 TYPICAL VALVE BOX LAYOUT - IN LAWN OR HARDSCAPE

NOTE:
1. ALIGN VALVE BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGES OF WALKS, WALLS, FENCING, BUILDINGS, ETC., TYPICAL.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL VALVE BOX INSTALLATION REQUIREMENTS.



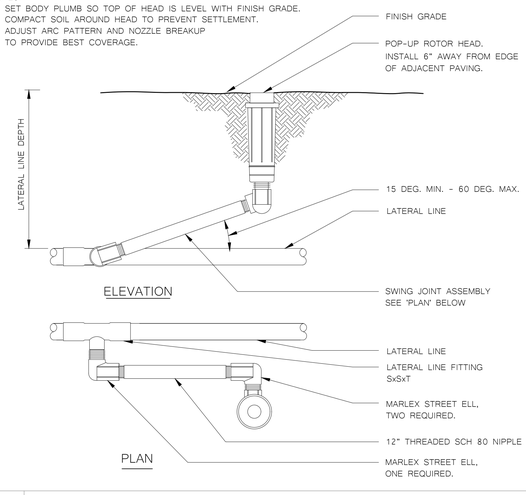
5 TYPICAL VALVE BOX LAYOUT - IN PLANTER

NOTES:
1. SET BODY PLUMB SO TOP OF HEAD IS LEVEL WITH FINISH GRADE.
2. COMPACT SOIL AROUND HEAD TO PREVENT SETTLEMENT.
3. ADJUST ARC PATTERN TO PROVIDE FOR BEST COVERAGE.

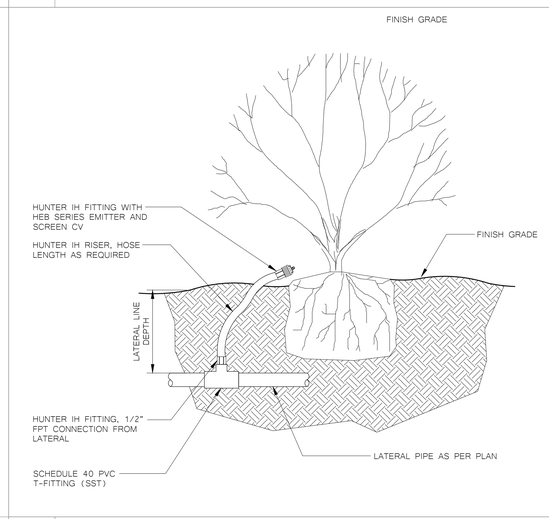


6 POP-UP SPRINKLER HEAD DETAIL

NOTES:
1. SET BODY PLUMB SO TOP OF HEAD IS LEVEL WITH FINISH GRADE.
2. COMPACT SOIL AROUND HEAD TO PREVENT SETTLEMENT.
3. ADJUST ARC PATTERN AND NOZZLE BREAKUP TO PROVIDE BEST COVERAGE.

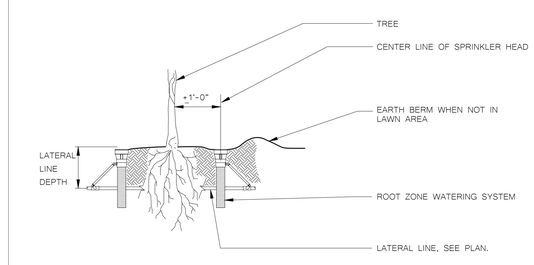


7 POP-UP ROTOR HEAD DETAIL



8 SHRUB BUBBLER DETAIL

NOTES:
1. SEE TREE PLANTING DETAIL FOR ADDITIONAL INFORMATION.
2. INSTALL RZWS SLEEVE OVER TUBE TO HELP PREVENT SOIL INTRUSION.



9 TREE BUBBLER HEAD DETAIL

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

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DATE: 10/01/2024

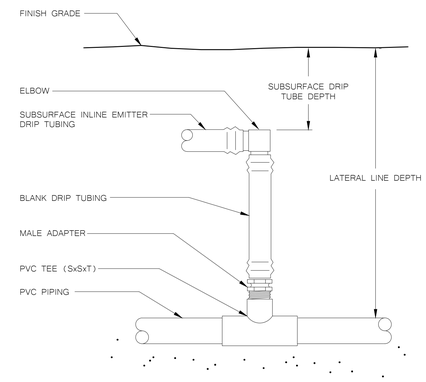
JOB NO.: Y2421.00

SHEET TITLE

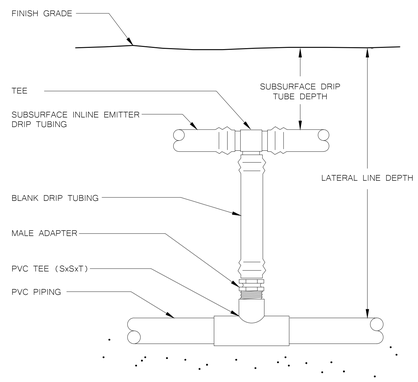
LANDSCAPE IRRIGATION DETAILS

SHEET NO.

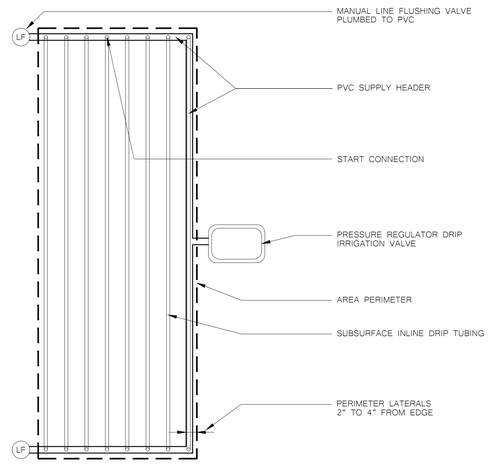
L4.5



1 SUBSURFACE DRIP - ELBOW START CONNECTION DETAIL

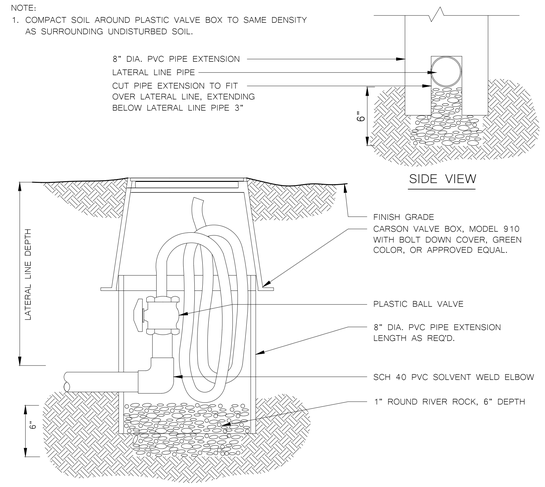


2 SUBSURFACE DRIP - TEE START CONNECTION DETAIL



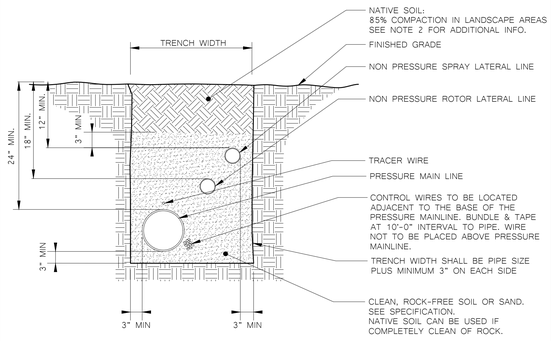
3 SUBSURFACE INLINE DRIP LAYOUT DETAIL

NOTE:
1. COMPACT SOIL AROUND PLASTIC VALVE BOX TO SAME DENSITY AS SURROUNDING UNDISTURBED SOIL.



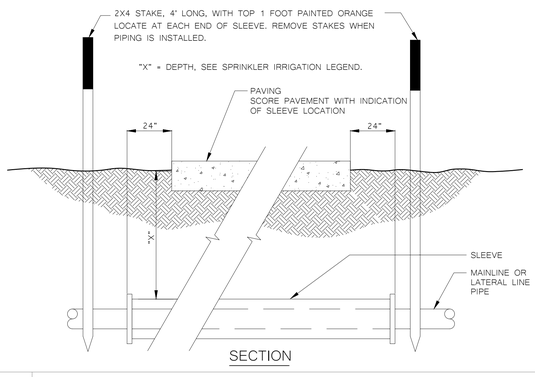
4 MANUAL FLUSH VALVE DETAIL

NOTES:
1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
2. WHEN TRENCHES ARE LOCATED UNDER PAVEMENT, COMPACTION RATE FOR THE BACKFILL SHALL COMPLY WITH THE COMPACTION RATES REQUIRED FOR THOSE PAVING SECTIONS.
3. PIPES TO HAVE A MINIMUM OF 6" HORIZONTAL SEPARATION WHEN PLACED IN THE SAME TRENCH ALONG WITH A MINIMUM OF 6" VERTICAL SEPARATION BETWEEN PIPES.



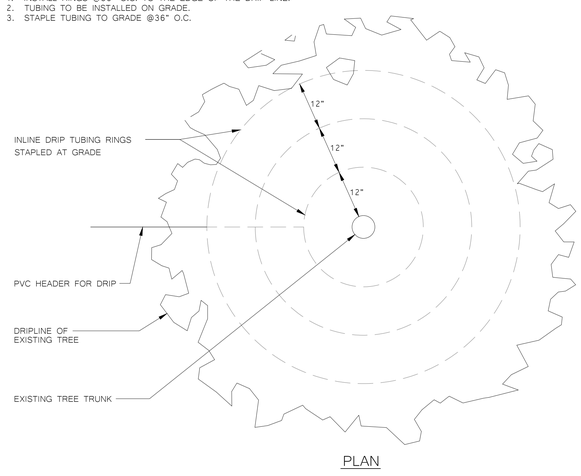
5 PIPE TRENCH DETAIL

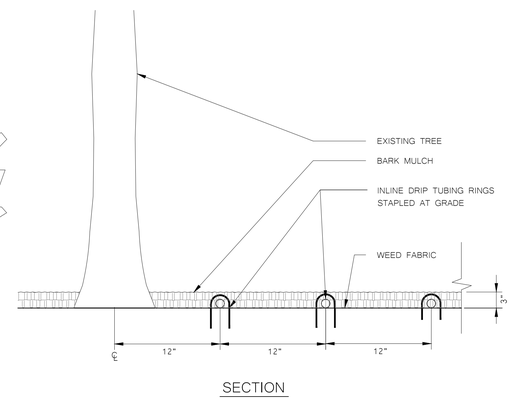
NOTES:
1. ALL PIPE AND FITTINGS TO BE SCHEDULE 40, P.V.C. SEE PLAN FOR LOCATION.
2. SLEEVES TO BE LARGE ENOUGH TO ACCEPT THE PIPE AND FITTINGS TO BE ENCASED.
3. PROVIDE A SEPARATE SLEEVE FOR EACH LATERAL OR MAIN CROSSING.
4. PROVIDE A SEPARATE SLEEVE FOR CONTROL WIRE
5. TAPE ALL ENDS WITH DUCT TAPE TO PREVENT ENTRY OF SOIL.



6 SLEEVE DETAIL

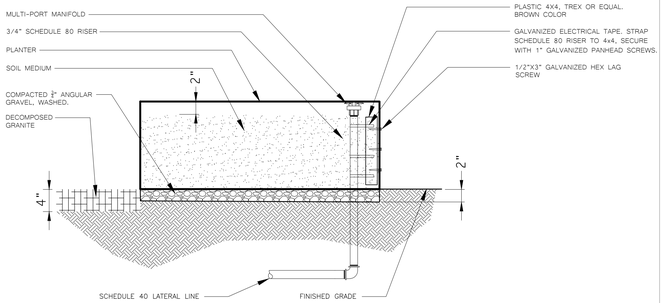
NOTES:
1. INSTALL RINGS @36" O.C. TO THE EDGE OF THE DRIP LINE.
2. TUBING TO BE INSTALLED ON GRADE.
3. STAPLE TUBING TO GRADE @36" O.C.





7 SURFACE MOUNTED IRRIGATION LAYOUT DETAIL

NOTE:
1. SOIL MEDIUM TO BE ORGANIC VEGETABLE GARDEN MIX BY REDI-GRO OR APPROVED EQUAL.
2. INSTALL SOIL MEDIUM IN 6" LIFTS. COMPACT EACH LIFT TO REDUCE SETTLING.
3. ENSURE DRAINAGE OF PLANTER. AT MINIMUM, DRILL FIFTEEN (15) TWO INCH (2") DIAMETER HOLES IN THE BOTTOM OF THE CONTAINER AND LINER (IF IMPERMEABLE). EVENLY SPACE THE DRAINAGE HOLES SO AS TO NOT UNDERMINE THE STRUCTURAL INTEGRITY OF THE CONTAINER. PAINT CUT EDGE OF TANK BOTTOM WITH 3 COATS OF RUST-OLEUM, OR EQUAL, MINIMUM 2" OVERLAP.
4. TOP OF PLANTER SHALL BE LEVEL.



8 GARDEN BED INSTALLATION

DIVISION OF THE STATE ARCHITECT

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Sacramento City Unified School District

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ARCHITECT

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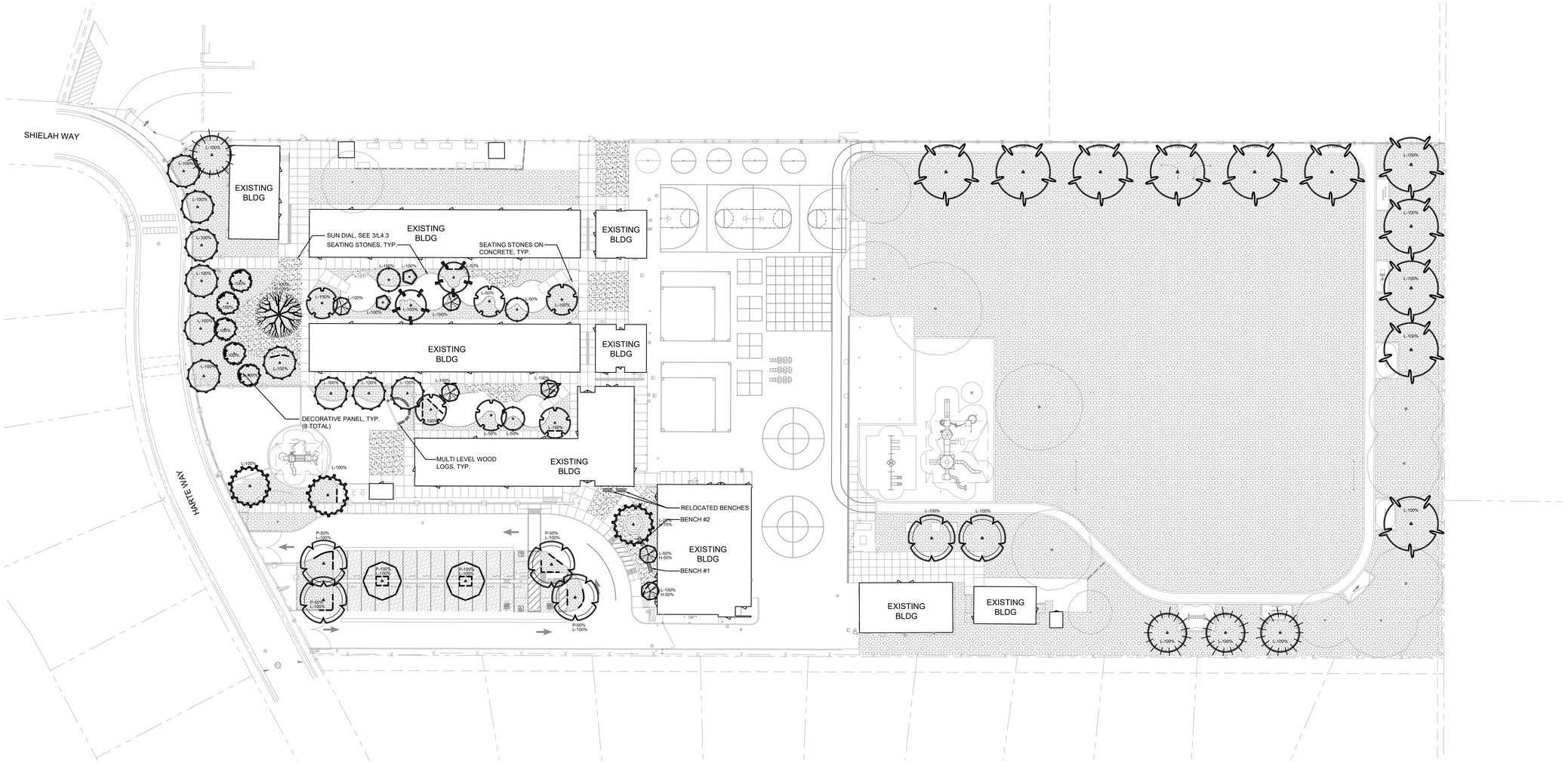
SHEET TITLE

LANDSCAPE IRRIGATION DETAILS

SHEET NO.

L4.6



PARKING LOT SHADING (50% WITHIN 20 YEARS)			
TREES	100%	75%	50%
30'	00 (707) = 0000 S.F.	00 (530) = 0000 S.F.	4 (354) = 1,416 S.F.
25'	2 (491) = 982 S.F.	00 (369) = 0000 S.F.	00 (246) = 0000 S.F.
SUB-TOTALS	982 S.F.	0000 S.F.	1,416 S.F.

TOTAL PARKING AREA = 4,680 S.F.

TOTAL SHADED AREA = 2,398 S.F.

PERCENTAGE OF SHADE = 51.0%

LANDSCAPE SHADING (20% WITHIN 15 YEARS)				
TREES	100%	75%	50%	25%
EXISTING	13 (962) = 13,468 S.F.	00 (721) = 0000 S.F.	00 (481) = 0000 S.F.	00 (240) = 0000 S.F.
35'	11 (962) = 10,582 S.F.	00 (530) = 0000 S.F.	00 (354) = 0000 S.F.	00 (177) = 0000 S.F.
30'	7 (707) = 4,949 S.F.	00 (530) = 0000 S.F.	00 (354) = 0000 S.F.	00 (177) = 0000 S.F.
25'	7 (491) = 3,437 S.F.	00 (369) = 0000 S.F.	00 (246) = 0000 S.F.	1 (123) = 123 S.F.
20'	11 (314) = 3,454 S.F.	00 (236) = 0000 S.F.	3 (157) = 471 S.F.	00 (79) = 0000 S.F.
15'-10'	13 (177) = 2,301 S.F.	00 (133) = 0000 S.F.	3 (89) = 267 S.F.	00 (45) = 0000 S.F.
SUB-TOTALS	38,191 S.F.	0000 S.F.	738 S.F.	123 S.F.

TOTAL LANDSCAPE AREA = 119,839 S.F.

TOTAL SHADED AREA = 41,015 S.F.

PERCENTAGE OF SHADE = 34%

HARDSCAPE SHADING (20% WITHIN 15 YEARS)				
TREES	100%	75%	50%	25%
30'	1 (707) = 707 S.F.	00 (530) = 0000 S.F.	00 (354) = 0000 S.F.	00 (177) = 0000 S.F.
25'	00 (491) = 0000 S.F.	00 (369) = 369 S.F.	00 (246) = 0000 S.F.	00 (123) = 0000 S.F.
15'-10'	00 (177) = 0000 S.F.	00 (133) = 0000 S.F.	2 (89) = 178 S.F.	00 (45) = 0000 S.F.
SUB-TOTALS	707 S.F.	369 S.F.	178 S.F.	0000 S.F.

TOTAL PAVED AREA = 5,448 S.F.

TOTAL SHADED AREA = 1,254 S.F.

PERCENTAGE OF SHADE = 23%

KEY	LANDSCAPE LEGEND
P-100% L-100% H-100%	TREES - NOT ALL SYMBOLS SHOWN WITH TREE SHADING CANOPY PERCENTAGE SHADE PERCENTAGE: PARKING LOT
	AREA USED AS 'TOTAL HARDSCAPE AREA'
	AREA USED AS 'TOTAL PARKING AREA'
	AREA USED AS 'TOTAL LANDSCAPE AREA'

N

30' 15' 0 30' 60'

SCALE: 1"= 30'-0"

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SHEET TITLE

TREE SHADING CALCULATIONS

SHEET NO.

L5.1

IRRIGATION HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	HYDROZONE AREA (HA) (SQ.FT.)	PF x HA (SQ.FT.)	IRRIGATION EFFICIENCY (IE)	ETWU (GALLONS)
1-6,8,9	LAWN - HIGH	0.8	73,280	58624.0	0.75	2,515,204
7	TREE - MED	0.5	320	160.0	0.81	6,356
10-11	LAWN-HIGH	0.8	4,321	3456.8	0.75	148,311
12	LAWN-HIGH	0.8	4,626	3700.8	0.75	158,779
13	SHRUB - LOW	0.3	6,077	1823.1	0.75	78,218
14	TREE - MED	0.5	80	40.0	0.81	1,589
15	TREE - MED	0.5	220	110.0	0.81	4,370
16	SHRUB - LOW	0.3	2,712	813.6	0.81	32,321
17	TREE - MED	0.5	100	50.0	0.81	1,986
18	SHRUB - LOW	0.3	1,522	456.6	0.81	18,139
19	TREE - MED	0.5	120	60.0	0.81	2,384
20	SHRUB - LOW	0.3	1,203	360.9	0.81	14,337
21	TREE - LOW	0.3	130	39.0	0.81	1,549
23	TREE - MED	0.5	180	90.0	0.81	3,575
24	SHRUB - LOW	0.3	2,015	604.5	0.81	24,014
		TOTAL AREA	96,906		ETWU TOTAL	3,011,133
		TOTAL AREA (SLA)	96,906			
Eto (Sacramento)	51.9					
MAXIMUM APPLIED WATER ALLOWANCE (MAWA) = (ETo)(0.62)[(0.65 x LA)+(0.35 x SLA)] = GAL/YEAR						
ESTIMATED TOTAL WATER USAGE (ETWU) = (ETo)(0.62)((PF)(HA)/IE+SLA) = GAL/YEAR						
					MAWA TOTAL	3,118,241

Plant Water Use Type		Plant Factor
Very Low		0 - 0.1
Low		0.2 - 0.3
Medium		0.4 - 0.6
High		0.7 - 1.0
SLA		1.0
Irrigation Efficiency		**IE**
Overhead		0.75
Drip		0.81

LANDSCAPE HYDROZONE INFORMATION TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	IRRIGATION TYPE	HYDROZONE AREA (HA) (SQ.FT.)	% OF TOTAL LANDSCAPE AREA
1	LAWN - HIGH	SPRAY	1,000	66.7%
2	SHRUB- HIGH	SPRAY	200	13.3%
3	SHRUB - MED	DRIP	300	20.0%
4	SHRUB - LOW	DRIP	0	0.0%
5			0	0.0%
6			0	0.0%
7			0	0.0%
8			0	0.0%
9			0	0.0%
10			0	0.0%
11			0	0.0%
12			0	0.0%
13			0	0.0%
14			0	0.0%
15			0	0.0%
16			0	0.0%
17			0	0.0%
18			0	0.0%
19			0	0.0%
20			0	0.0%
21			0	0.0%
22			0	0.0%
23			0	0.0%
24			0	0.0%
25			0	0.0%
26			0	0.0%
27			0	0.0%
28			0	0.0%
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31			0	0.0%
32			0	0.0%
33			0	0.0%
34			0	0.0%
35			0	0.0%
36			0	0.0%
37			0	0.0%
38			0	0.0%
39			0	0.0%
40			0	0.0%
41			0	0.0%
42			0	0.0%
43			0	0.0%
44			0	0.0%
45			0	0.0%
46			0	0.0%
47			0	0.0%
48			0	0.0%
		TOTAL AREA	1,500	100.0%

IRRIGATION SCHEDULE TABLE

STATION #/HYDROZONE	PLANT WATER USE TYPE	PLANT FACTOR (PF)	IRRIGATION TYPE	FLOW (GPM)	PRECIP. RATE (PR) INCH/HR	IRRIGATION EFFICIENCY (IE)	SOIL TYPE	ROOT DEPTH	SLOPE	EXPOSURE	MAINTENANCE PERIOD (X/Y Z GAL) JANUARY	FEBUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMEBER	DECEMBER
1	LAWN - HIGH	0.8	POP-UP SPRAY	5.0	1.83	0.63	SANDY LOAM	6"	0-5%	FULL SUN	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	18 /2 805 GAL	19 /3 1,288 GAL	16 /5 1,725 GAL	17 /5 1,932 GAL	12 /6 1,656 GAL	18 /3 1,196 GAL	28 /1 621 GAL	0 /1 0 GAL	0 /1 0 GAL
2	SHRUB- HIGH	0.8	ROTATOR NOZZLE	0.0	0.45	0.80	SAND	12-24"		FULL SHADE	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	58 /2 0 GAL	62 /3 0 GAL	50 /5 0 GAL	56 /5 0 GAL	40 /6 0 GAL	58 /3 0 GAL	90 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
3	SHRUB - MED	0.5	TORO PRECISION SPRAY	0.0	1.10	0.72	CLAY			PART SUN	0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	17 /2 0 GAL	18 /3 0 GAL	14 /5 0 GAL	16 /5 0 GAL	11 /6 0 GAL	16 /3 0 GAL	26 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
4	SHRUB - LOW	0.2	I-20 ROTORS	0.0	0.45	0.80					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	15 /2 0 GAL	16 /3 0 GAL	13 /5 0 GAL	14 /5 0 GAL	10 /6 0 GAL	14 /3 0 GAL	23 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
5		0.2	I-35 ROTORS	0.0	1.10	0.80					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	6 /2 0 GAL	6 /3 0 GAL	5 /5 0 GAL	6 /5 0 GAL	4 /6 0 GAL	6 /3 0 GAL	9 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
6		0.2	POINT SOURCE DRIP	0.0	0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
7		0.2	SUBSURFACE DRIP	0.0	0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
8		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
9		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
10		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
11		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
12		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
13		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
14		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
15		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
16		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
17		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
18		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
19		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
20		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
21		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
22		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
23		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
24		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
25		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
26		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
27		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
28		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
29		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
30		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
31		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
32		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
33		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
34		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
35		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
36		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
37		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
38		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
39		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
40		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
41		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
42		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
43		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
44		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
45		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
46		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
47		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
48		0.2			0.50	0.90					0 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL	12 /2 0 GAL	12 /3 0 GAL	10 /5 0 GAL	11 /5 0 GAL	8 /6 0 GAL	12 /3 0 GAL	18 /1 0 GAL	0 /1 0 GAL	0 /1 0 GAL
										MONTHLY RAINFALL (CITY)	4.2	3.8	3.1	1.2	0.6	0.2	0.1	0.1	0.4	1	2.6	2.8
										MONTHLY ET (CITY)	1.1 JAN	1.7 FEB	3.1 MAR	4.7 APR	6.2 MAY	7.7 JUN	8.5 JUL	7.3 AUG	5.6 SEP	3.7 OCT	1.7 NOV	1.0 DEC
										MONTHLY TOTALS (GAL)	0 GAL	0 GAL	0 GAL	805 GAL	1,288 GAL	1,725 GAL	1,932 GAL	1,656 GAL	1,196 GAL	621 GAL	0 GAL	0 GAL

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

24-32

MTW group
LANDSCAPE ARCHITECTURE AND PLANNING
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600 Q Street, Suite 100
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916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

IRRIGATION CALCUALTIONS

SHEET NO.

L5.2

PlayBooster (2-5 years)						
PHASE-1 Direct Bury Aluminum			UNIT		TOTAL	
QTY	NO.	DESCRIPTION	WEIGHT (lb)	PRICE (US $)	WEIGHT (lb)	PRICE (2025)
PlayBooster®						
Bridges & Ramps						
1	147424A	Clatterbridge 84 w/Barriers			434.0	7,305.00
Climbers Nature-Inspired						
1	175574D	Log Stepper 32"Deck w/2 Recycled Wood-Grain Handholds			901.0	6,000.00
1	169318C	1 Handloop and 1 Handrail Left Handhold Wood Plank Wiggle Ladder 48"Deck w/Recycled Wood-Grain Handholds DB			79.0	1,995.00
Climbers W/Permalene Handholds						
1	152907A	Deck Link w/Barriers Steel end panels 1 Step			130.0	1,855.00
1	153076A	Mini Summit Climber 48"Dk DB			88.0	1,640.00
Decks						
1	184354A	Curved Transfer Module Right 2-5yrs 32"Dk DB			210.0	3,645.00
1	121948A	Kick Plate 8"Rise			13.0	150.00
2	111228A	Square Tenderdeck	118.0	1,375.00	236.0	2,750.00
1	111231A	Triangular Tenderdeck			62.0	1,060.00
Enclosures						
1	218172A	DigiFuse Barrier Panel w/Medallions Above Deck Animal Tracks Medallion Set - 000000042			43.0	2,555.00
1	115254A	Storefront Panel			24.0	835.00
Posts						
1	111404F	108"Alum Post DB			28.0	395.00
2	111404E	116"Alum Post DB	29.0	415.00	58.0	830.00
4	111404D	124"Alum Post DB	30.0	475.00	120.0	1,900.00
4	111403C	166"Alum Post For Roof DB	37.0	560.00	148.0	2,240.00
Roofs						
1	211190A	Tree House Roof w/Stack and w/Kids Only sign			305.0	4,640.00
Slides						
1	124863C	SlideWinder2 48"Dk DB			178.0	3,485.00
1	122033D	1 Right 1 Left SpyroSlide 56"w/Hanger Bracket DB[1]			402.0	7,925.00
Freestanding Play Climbers						
1	173908A	Log Stepper 18"Height DB Only			244.0	1,305.00
4	173907A	Log Stepper 8"Height DB Only	155.5	950.00	622.0	3,800.00
3	171569A	Mushroom Stepper 32"Height DB Only	127.0	1,255.00	381.0	3,765.00
2	171570A	Mushroom Stepper 16"Height DB Only	127.0	1,255.00	254.0	2,510.00
Signs						
1	182503A	Welcome Sign (LSI Provided) Ages 2-5 years Direct Bury			24.0	0.00
Sports & Fitness						
1	173596A	Log Balance Beam DB[1]			455.0	4,735.00

Page **1** of **5**

PlayBooster (5-12 years)						
PHASE-1 Direct Bury Mixed Material			UNIT		TOTAL	
QTY	NO.	DESCRIPTION	WEIGHT (lb)	PRICE (US $)	WEIGHT (lb)	PRICE (2025)
PlayBooster®						
Bridges & Ramps						
1	120316A	Belt Bridge 84"			227.0	4,460.00
Climbers Nature-Inspired						
1	172666A	Corkscrew Climber w/Recycled Wood-Grain Handholds 48"Dk DB			97.0	2,440.00
1	172665A	Loop Pole w/Recycled Wood-Grain Handholds 48"Dk DB			86.0	2,440.00
Climbers Other						
1	220540A	GeoPlex Triple Panel			113.0	2,645.00
1	302748A	Vine Climber 8"Dk to 96"Dk DB Only			296.0	9,670.00
Climbers W/Permalene Handholds						
1	152907B	Deck Link w/Barriers Steel end panels 2 Steps			182.0	2,745.00
1	152907C	Deck Link w/Barriers Steel end panels 3 Steps			236.0	3,575.00
1	229832A	Dot-to-Dot Climber			204.0	3,035.00
1	176080A	Logo Climber 64"Dk DB			93.0	1,970.00
1	145624A	Vertical Ascent 48"Dk			82.0	1,615.00
1	272084A	Wood Plank Ladder w/Permalene Handholds 72" Deck DB			137.0	2,075.00
Decks						
1	152911C	Curved Transfer Module Right 48"Dk DB			279.0	3,900.00
1	121948B	Kick Plate 16"Rise			23.0	255.00
3	121948A	Kick Plate 8"Rise	13.0	150.00	39.0	450.00
4	111228A	Square Tenderdeck	118.0	1,375.00	472.0	5,500.00
1	185852A	Transfer Step w/2 Handloops DB			77.0	1,350.00
3	111231A	Triangular Tenderdeck	62.0	1,060.00	186.0	3,180.00
3	119464A	Tri-Deck Extension	51.0	1,030.00	153.0	3,090.00
Enclosures						
5	169319A	Recycled Wood-Grain Lumber Panel	85.0	1,650.00	425.0	8,250.00
5	120314A	Wire Barrier Above Deck	38.0	915.00	190.0	4,575.00
Mainstructures						
1	188689A	10' PlayOdyssey Tower w/o Roof[1]			3048.0	30,320.00
1	185346A	10' Tower SlideWinder2			323.0	7,425.00
Overhead Events						
1	142884A	2" 5 Horizontal Ladder DB			186.0	3,695.00
1	141887B	Access/Landing Assembly Seat Barrier Left 16"Dk			36.0	825.00
1	126203A	Ring-A-Ling DB			143.0	3,405.00
Posts						

Page **2** of **5**

PlayBooster (5-12 years)						
PHASE-1 Direct Bury Mixed Material			UNIT		TOTAL	
QTY	NO.	DESCRIPTION	WEIGHT (lb)	PRICE (US $)	WEIGHT (lb)	PRICE (2025)
1	111404G	100"Alum Post DB			26.0	390.00
4	111404E	116"Alum Post DB	29.0	415.00	116.0	1,660.00
2	111404D	124"Alum Post DB	30.0	475.00	60.0	950.00
3	111404C	132"Alum Post DB	31.0	495.00	93.0	1,485.00
1	111404B	140"Alum Post DB			34.0	520.00
4	111404A	148"Alum Post DB	36.0	530.00	144.0	2,120.00
2	111404K	156"Alum Post DB	37.0	590.00	74.0	1,180.00
4	111404Z	182"Steel Post DB-44" Bury	105.0	620.00	420.0	2,480.00
1	111404I	84"Alum Post DB			21.0	360.00
1	111404H	93"Alum Post DB			23.0	370.00
Slides						
1	123331B	Double Slide 48"Dk DB			137.0	2,760.00
1	130390A	Double Swoosh Slide 96"Dk DB[1]			295.0	3,950.00
1	169317A	Firepole w/Recycled Wood-Grain Handholds 48"Dk DB			85.0	1,970.00
Freestanding Play Motion & More Fun						
1	247179A	Curva Spinner DB Only			117.0	2,505.00
Signs						
1	182503C	Welcome Sign (LSI Provided) Ages 5-12 years Direct Bury			24.0	0.00
Swings						
1	221292A	5" Arch Swing Frame 8' Beam Height Only			204.0	3,665.00
1	221293A	5" Arch Swing Frame Additional Bay 8' Beam Height Only			124.0	2,230.00
2	174018A	Belt Seat ProGuard Chains for 8' Beam Height	8.0	165.00	16.0	330.00
1	237294A	Friendship Swing w/5" Arch Frame Additional Bay ProGuard Chains			214.0	4,810.00
2	177351A	Molded Bucket Seat (5-12 yrs) w/Harness ProGuard Chains for 8' Beam Height	48.0	1,140.00	96.0	2,280.00

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PlayBooster (13+ years)						
PHASE-1 Direct Bury Mixed Material			UNIT		TOTAL	
QTY	NO.	DESCRIPTION	WEIGHT (lb)	PRICE (US $)	WEIGHT (lb)	PRICE (2025)
PlayBooster®						
Overhead Events						
2	141887A	Access/Landing Assembly Seat Barrier Left 8"Dk	36.0	825.00	72.0	1,650.00
1	119430A	Overhead Parallel Bars/Horiz Ladder			121.0	1,645.00
Posts						
4	111404E	116"Alum Post DB	29.0	415.00	116.0	1,660.00
Freestanding Play Sports & Fitness						
1	192451A	Ab Crunch/Leg Lift DB			53.0	2,215.00
1	192454A	Order Post Separately* Balance Steps DB			98.0	2,925.00
1	205938A	Order Post Separately* Hand Cycler			38.0	3,300.00
3	207607A	Order Post Separately* HealthBeat Blank Sign Set	3.5		10.5	0.00
1	192453A	Parallel Bars DB			159.0	2,015.00
1	205942A	Order Post Separately* Steel Post w/1 Top Attachment DB			72.0	1,140.00
1	205944A	Steel Post w/2 and 0 Attachments DB			73.0	1,140.00
1	205946A	Steel Post w/2 and 2 Attachments DB			71.0	1,140.00
1	205941A	Steel Post w/No Attachment DB			70.0	1,140.00
1	192463A	Tai Chi Wheels			42.0	2,750.00
1	137958A	Order Post Separately* Chin-Up Station Alum Post DB			111.0	1,615.00
1	100041A	Curved Balance Beam DB			71.0	1,095.00

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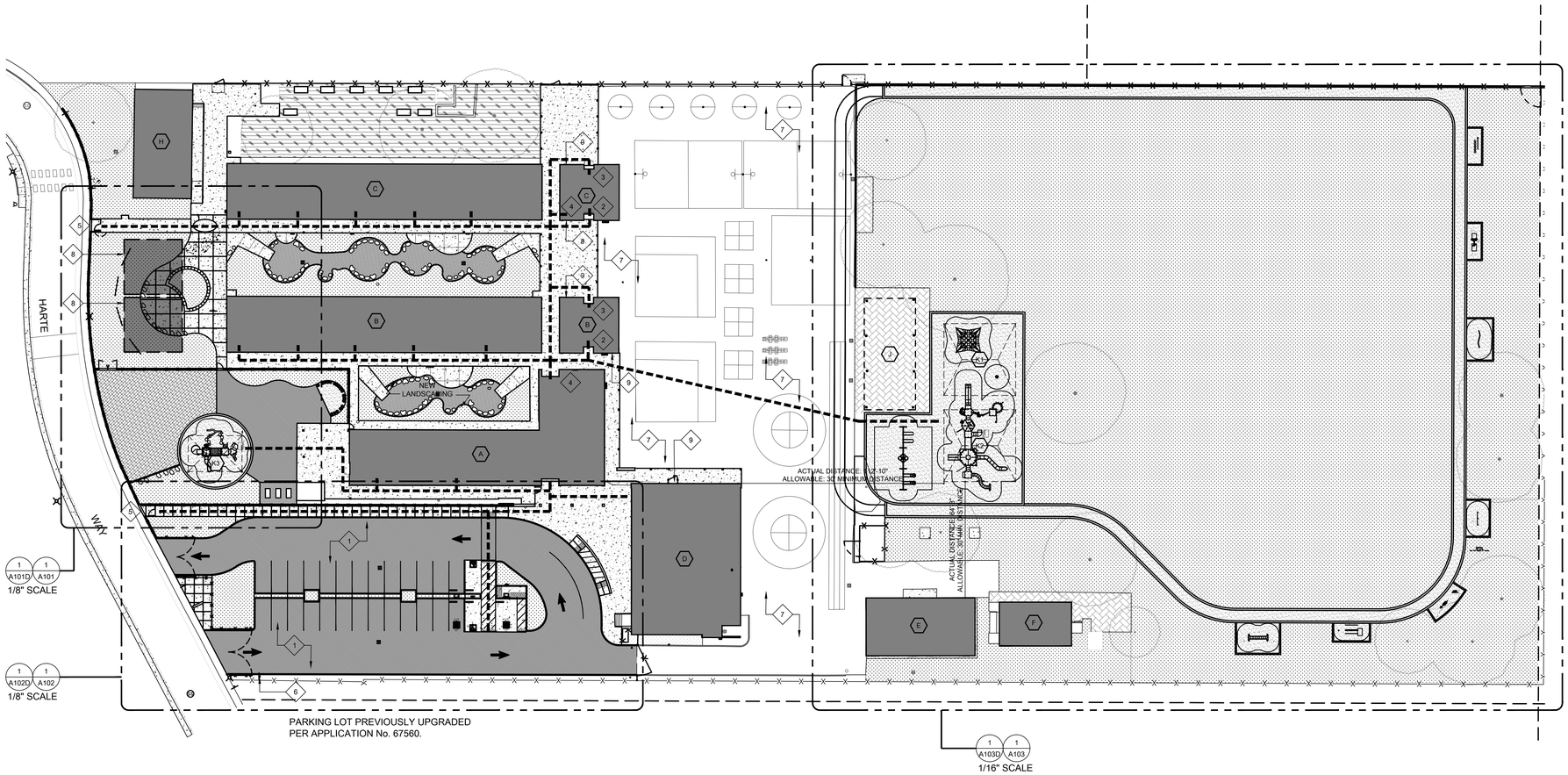
2 PLAY EQUIPMENT ITEM LIST

SCALE: N.T.S.



1 OVERALL SITE PLAN

SCALE: 1" : 30'-0"

NORTH

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. ALL (N) CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. RELOCATE EXISTING AREA DRAINS. REPLACE VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.
2. ALL LANDSCAPED AREAS SHALL BE LESS THAN 4" BELOW FINISHED ADJACENT CONCRETE WALK.
3. SEE CIVIL DRAWINGS FOR ALL FLATWORK PAVING, SEAL COATING, STRIPING, AND OTHER ADDITIONAL DETAILS.
4. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
5. PROTECT SITE SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
6. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
7. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
8. AT ALL AREAS LABELLED "NEW LANDSCAPE", REFER TO LANDSCAPE DRAWINGS FOR PLANTING LOCATIONS, TREE LOCATIONS, BOULDER LOCATIONS, AND OTHER LANDSCAPE ELEMENTS.

KEYNOTES:

NOTES USED ON THIS SHEET ONLY.

1. UPGRADES TO ADA PARKING SPACES PER THIS APPLICATION. SEE CIVIL DWGS.
2. ACCESSIBLE UPGRADES TO (E) BOYS TOILET ROOM PER THIS APPLICATION.
3. ACCESSIBLE UPGRADES TO (E) GIRL'S TOILET ROOM PER THIS APPLICATION.
4. ACCESSIBLE UPGRADES TO (E) STAFF TOILET ROOM PER THIS APPLICATION.
5. UPGRADES TO PATH TO PUBLIC WAY PER THIS APPLICATION. SEE CIVIL DWGS.
6. NEW TOW AWAY SIGN. SEE CIVIL.
7. GRIND, REPAVE, AND RESTRIPE HARD COURT. SEE CIVIL DRAWINGS.
8. EXISTING PORTABLES TO BE REMOVED FROM SITE. SEE ENLARGED PLAN.
9. EXISTING ACCESSIBLE HI-LOW DRINKING FOUNTAIN WITH GUIDE RAILS.

LEGEND:

(E) CAMPUS BUILDINGS

(N) CONCRETE FLATWORK - SEE CIVIL DRAWINGS FOR CURB CUT LOCATIONS, DETAILS, AND OTHER ADDITIONAL INFORMATION.

NEW LANDSCAPING AREA - SEE LANDSCAPE DRAWINGS FOR TREES, PLANTS, AND OTHER LANDSCAPE ELEMENTS.

PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. PASSING SPACES (1133B.7.1) AT LEAST 60"X60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (1133B.7.5) NOT MORE THAN 400' APART. THE CROSS-SLOPE AND SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 2% AND IS LESS THAN 5% UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN. (1133B.8.6) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (1133B.8.6).

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTION OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A "CONSTRUCTION CHANGE DOCUMENT" (FROM DSA 140).

STAFF PARKING LOT CALCULATIONS:

CODE REFERENCES:
1. 2022 CBC TABLE 11B-6 & 1129B

NUMBER OF STANDARD STALLS:	26
NUMBER OF ACCESSIBLE STALLS:	1
NUMBER OF VAN ACCESSIBLE STALLS:	1
NUMBER OF ECV VAN ACCESS. STALLS:	1
NUMBER OF ECV STANDARD ACCCES. STALLS:	1

BUILDING DATA:

	BUILDING NAME	USE	O.C.C.	TYPE	ACTUAL AREA	ORIGINAL DSA NO.
A	ADMINISTRATION	ADMINISTRATION/ CLASSROOMS	E-1/B2	II-N	5,560	14113
B	CLASSROOMS	CLASSROOMS/ RESTROOMS	E-1	II-N	6,440	14113
C	CLASSROOMS	CLASSROOMS/ RESTROOMS	E-1	II-N	6,440	14113
D	MULTIPURPOSE	ASSEMBLY	A-1	II-N	5,100	14113
E	CLASSROOMS	CLASSROOMS	E-1	II-N	1,950	02-102371
F	CLASSROOMS	CLASSROOMS	E-1	II-N	1,960	14113
H	CLASSROOMS	CLASSROOMS	E-1	II-N	980	14113
J	EXISITING SHADE STRUCTURE	SHADE	E	II-B	1,770	02-120003
K1	(N) SHADE STRUCTURE	SHADE	E	II-B	1,600	04-123279
K2	(N) SHADE STRUCTURE	SHADE	E	II-B	1,600	04-123279
K3	(N) SHADE STRUCTURE	SHADE	E	II-B	600	02-121109

TOTAL SQUARE FOOTAGE: 28,430

DIVISION OF THE STATE ARCHITECT

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

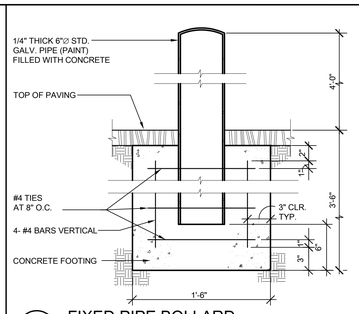
OVERALL SITE PLAN

SHEET NO.

A001

ONE AND ONE–HALF INCH = ONE FOOT | ONE INCH = ONE FOOT | THREE–QUARTERS INCH = ONE FOOT | ONE–HALF INCH = ONE FOOT | ONE FOOT | ONE–QUARTER INCH = ONE FOOT | ONE–EIGHTH INCH = ONE FOOT | ONE–SIXTEENTH INCH = ONE FOOT | ONE INCH = TWENTY FEET

30 | 25 | 20 | 15



10 FIXED PIPE BOLLARD

SCALE: 1 1/2" = 1'-0"

GATE GENERAL NOTES:

ALL GATES IN THE ACCESSIBLE PATH OF TRAVEL SHALL:

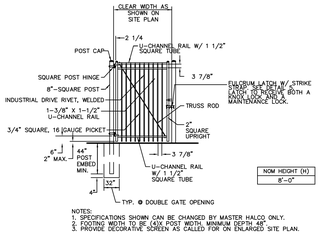
- PROVIDE 32" MINIMUM CLEAR ACCESS.
- BE PROVIDED WITH LEVER TYPE OR PANIC BAR LOCKS & LATCHES AND REQUIRE A MAXIMUM OF 5# OF FORCE TO ACTIVATE.
- BE PUSHED OR PULLED OPEN WITH A MAXIMUM FORCE OF 5# (11B-404.9).
- HAVE MAXIMUM THRESHOLD HEIGHT OF 1/2" WITH 1/4" MAXIMUM. VERTICAL RISE WITH REMAINDER BEVELED AT 2:1.
- HAVE A MANEUVERING CLEARANCE ON EACH SIDE WITH MAX SLOPE OF 1:48. CLEARANCE SHALL EXTEND 5FT. PERPENDICULAR TO THE FULL WIDTH OF THE CLOSED GATE AND 24" BEYOND THE LATCH ON THE PULL SIDE, AND 4FT. THE FULL WIDTH AND PERPENDICULAR TO THE PUSH SIDE.

GATE NUMBER	NOMINAL GATE SIZE	MATERIAL	FINISH	HARDWARE GROUP (SEE SPECS)	DETAIL
G01	3'-6" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	GROUP S01 SEE 08 71 00	1/A002
G02	3'-6" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	GROUP S01 SEE 08 71 00	1/A002
G03	3'-6" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	GROUP S01 SEE 08 71 00	1/A002
G04	3'-0" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	GROUP S01 SEE 08 71 00	1/A002
G05	PR. 5'-0" X 6'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	8/A002
G06	PR. 13'-0" X 6'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	8/A002
G07	PR. 11'-0" X 6'-0"	ORNAMENTAL IRON	FACTORY FINISH	MAINTENANCE GATE	8/A002
G08	3'-6" X 8'-0"	ORNAMENTAL IRON	FACTORY FINISH	GROUP S01 SEE 08 71 00	1/A002
G09	(E) 4'-4" X 8'-0"	ORNAMENTAL IRON	(N) PAINT	(E) MAINT. GATE	--
G10	(E) 18'-0" X 8'-0"	(E) CHAIN LINK	--	(E) MAINT. GATE	--
G11	±8'-8" X 8'-0"	CHAIN LINK WITH SLATS	FACTORY FINISH	MAINTENANCE GATE	8/C8.2
G12	±5'-2" X 6'-0"	CHAIN LINK	FACTORY FINISH	MAINTENANCE GATE	8/C8.2
G13	11'-4" X 6'-0"	CHAIN LINK	FACTORY FINISH	MAINTENANCE GATE	8/C8.2

4 GATE SCHEDULE

SCALE: N.T.S.

29 | 24 | 19

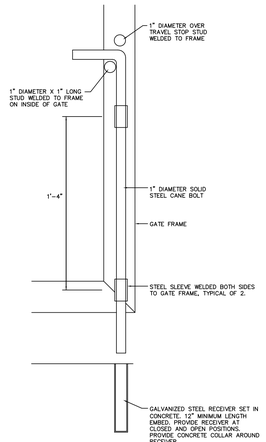


NOTES:
1. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
2. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 48".
3. PROVIDE DECORATIVE SCREEN AS CALLED FOR ON ENLARGED SITE PLAN.

9 MAINTENANCE GATE - SINGLE

SCALE: N.T.S.

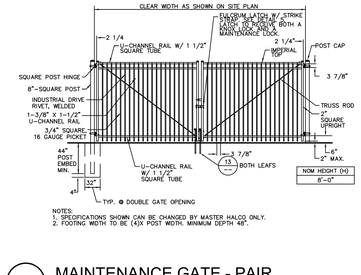
28 | 23 | 18



NOTE: PROVIDE 4" DIAMETER X 36" TALL STEEL POST AT OPEN GATE POSITION. EMBED POST INTO GROUND 36" IN CONCRETE FOOTING.

13 CANE BOLT

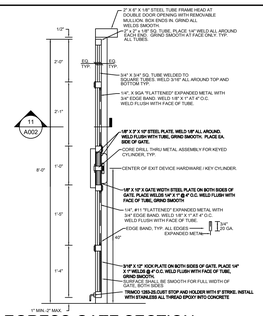
SCALE: N.T.S.



NOTES:
1. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
2. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 48".

8 MAINTENANCE GATE - PAIR

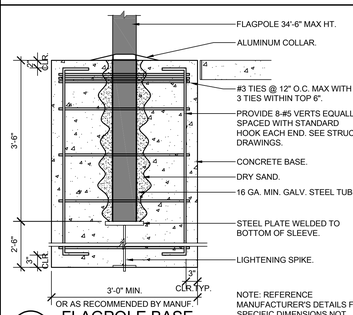
SCALE: N.T.S.



3 EGRESS GATE SECTION

SCALE: N.T.S.

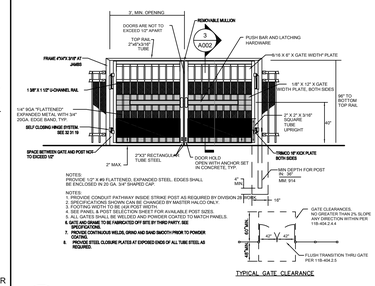
27 | 22 | 17 | 12



NOTE: REFERENCE MANUFACTURER'S DETAILS FOR SPECIFIC DIMENSIONS NOT SHOWN HERE.

7 FLAGPOLE BASE

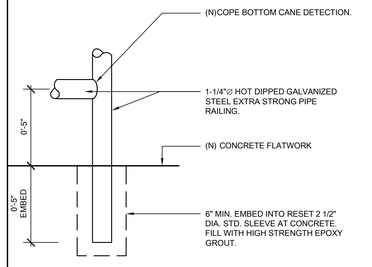
SCALE: 3/4" = 1'-0"



2 DOUBLE EGRESS GATE

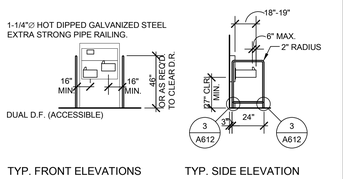
SCALE: N.T.S.

26



21 PIPE EMBED AT SLAB

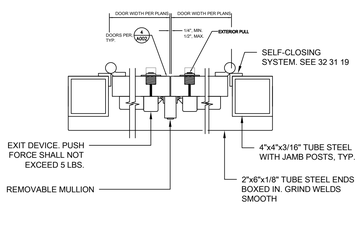
SCALE: 3" = 1'-0"



TYP. FRONT ELEVATIONS TYP. SIDE ELEVATION

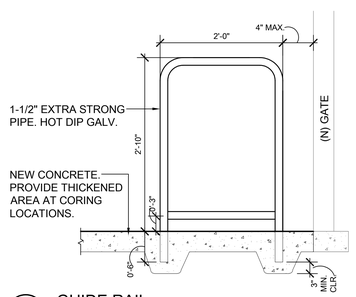
16 PIPE BARRIER AT DRINKING FOUNTAIN

SCALE: N.T.S.



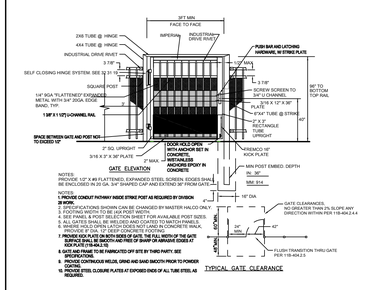
11 EGRESS GATE SECTION

SCALE: N.T.S.



6 GUIDE RAIL

SCALE: 1" = 1'-0"



1 SINGLE EGRESS GATE

SCALE: N.T.S.

DIVISION OF THE STATE ARCHITECT

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

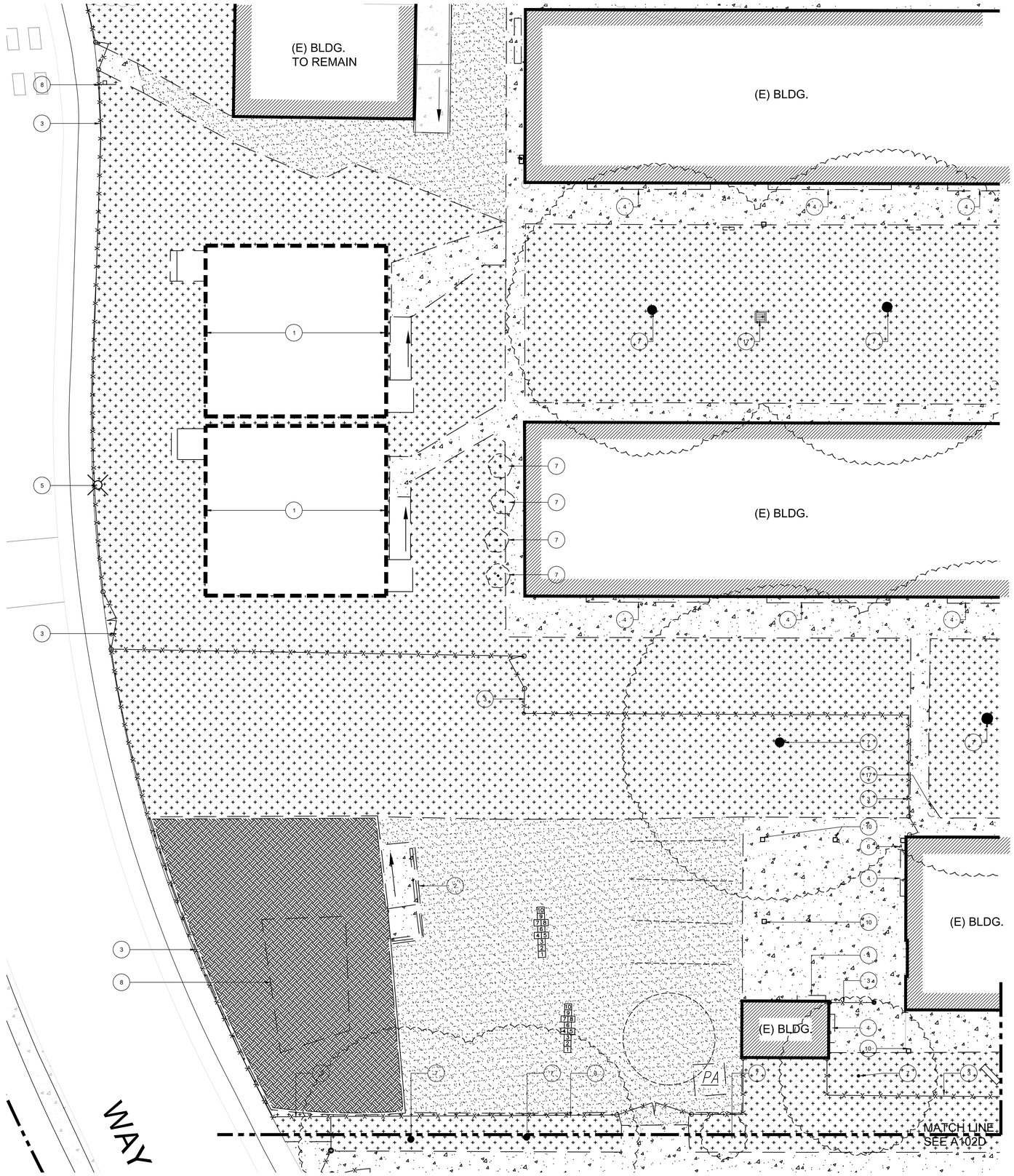
JOB NO.: Y2421.00

SHEET TITLE

SITE DETAILS

SHEET NO.

A002



1 ENLARGED PARTIAL DEMOLITION SITE PLAN

SCALE: 1/8" = 1'-0"

NORTH

GENERAL SHEET NOTES:

1. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
2. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
3. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
4. PROTECT SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
5. SEE CIVIL DRAWINGS FOR ADDITIONAL SCOPE AND DETAILS.
6. FOR ALL NEW UNDERGROUND ELECTRICAL, GAS DISTRIBUTION AND ALL OTHER UTILITY DISTRIBUTION, CONTRACTOR SHALL COORDINATE ACTUAL ROUTING WITH EXISTING UNDERGROUND UTILITIES. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE ANY DAMAGED LANDSCAPE AND IRRIGATION.
7. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE WORK NOT SHOWN IN THIS ENLARGED SITE PLANS.

DEMOLITION KEYNOTES:

NOT ALL KEYNOTES USED.

1. DEMO EXISTING PORTABLE BUILDING INCLUDING WOOD CRIB FOUNDATION, RAMPS, STAIRS, AND SKIRTING. REMOVE ALL UTILITIES BACK TO NEAREST PULLBOX, PANEL, OR AS SHOWN ELSEWHERE IN THIS SET.
2. DEMO EXISTING CONCRETE RAMP.
3. DEMO EXISTING CHAIN LINK FENCING.
3A. DEMO EXISTING CHAIN LINK FABRIC. POST TO REMAIN. SLEEVE ALL EXISTING POSTS PER NEW WORK PLAN.
3B. EXISTING FENCING TO REMAIN.
4. DEMO EXISTING GROUND-SET BENCH.
5. EXISTING LIGHT POLE TO REMAIN. PROTECT IN PLACE.
6. DEMO EXISTING WALL-MOUNT DRINKING FOUNTAIN.
7. DEMO EXISTING TREE AND ROOT BALL.
7A. EXISTING TREE TO REMAIN. PROTECT IN PLACE.
8. REMOVE AND REINSTALL STREET SIGN. PROVIDE NEW CONCRETE FOOTING.
9. DEMO EXISTING PLAY STRUCTURE IN ITS ENTIRETY INCLUDING ALL FOOTINGS.
10. EXISTING COLUMN AND FOOTING TO REMAIN. PROTECT IN PLACE.
11. DEMO EXISTING MARQUEE SIGN AND FOOTING. REMOVE ALL UTILITIES BACK TO NEAREST PULLBOX, PANEL, OR AS SHOWN ELSEWHERE IN THIS SET.
12. DEMO EXISTING ORNAMENTAL IRON FENCING, FOOTINGS, AND GATES.
13. EXISTING METAL SHADE STRUCTURE TO REMAIN. PROTECT IN PLACE.
14. EXISTING STAIRS TO REMAIN.
15. DEMO EXISTING FLAGPOLE AND FOOTING.
16. DEMO EXISTING RAISED BRICK PLANTER.
17. DEMO EXISTING STORM DRAIN. SEE CIVIL FOR MORE INFORMATION.
18. EXISTING ORNAMENTAL IRON FENCING TO REMAIN. PROTECT IN PLACE.
19. EXISTING ELECTRICAL SERVICE TO BE PROTECTED IN PLACE.
20. DEMO EXISTING FIXED SOCCER GOALS.

LEGEND:

- EXISTING LANDSCAPING AREA AND UTILITIES TO BE REMOVED. SEE CIVIL AND LANDSCAPE DRAWINGS FOR MORE INFORMATION.
- EXISTING AC PAVING TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING BARK PIT AREA INCLUDING WALK-ON BARK, CONCRETE PERIMETER CURB, FOOTINGS, ETC. TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING AREA TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- GRIND AND OVERLAY AC PAVING. SEE CIVIL DRAWINGS.

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

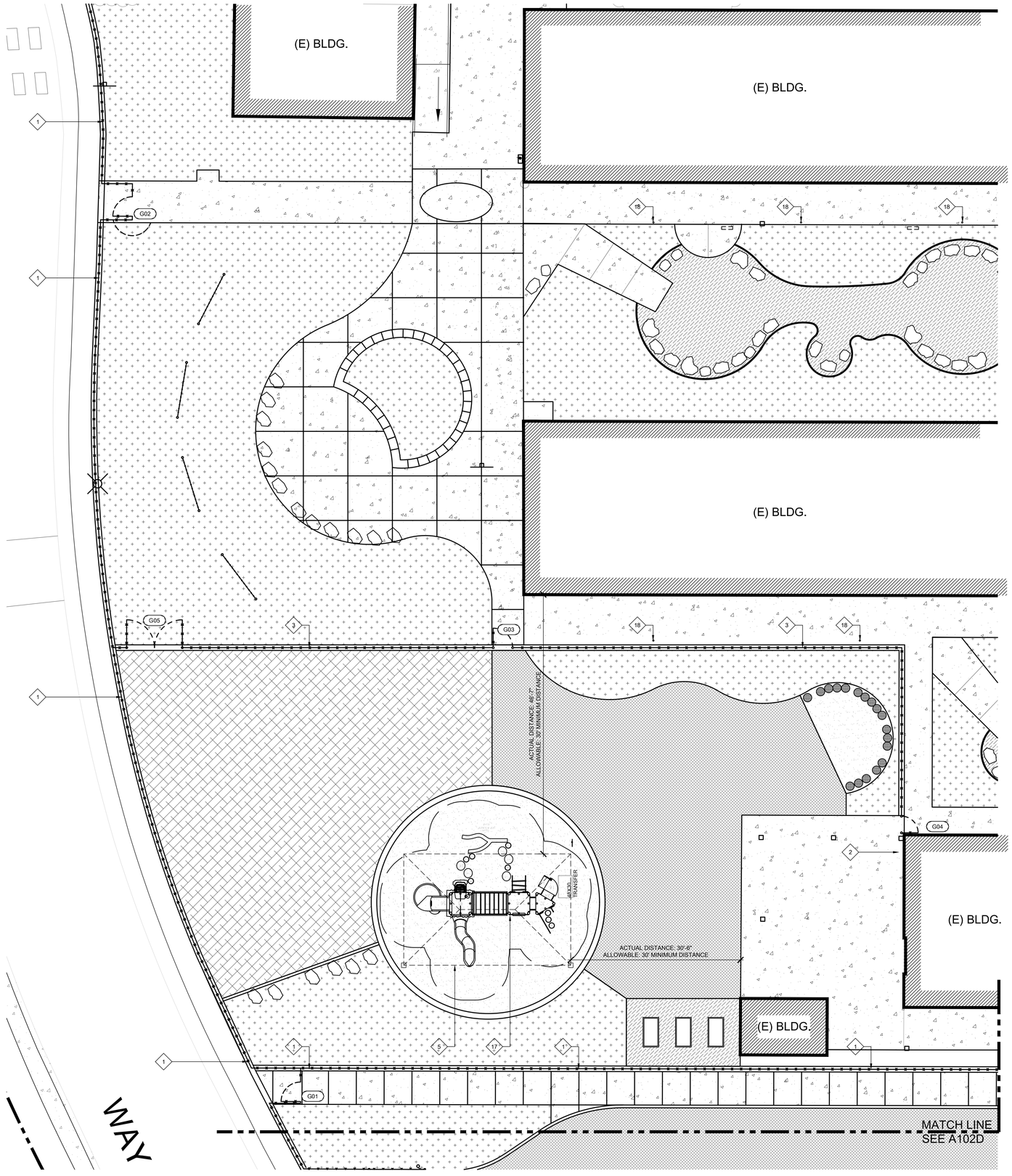
JOB NO.: Y2421.00

SHEET TITLE

ENLARGED PARTIAL DEMOLITION SITE PLAN

SHEET NO.

A101D



1 ENLARGED PARTIAL NEW WORK SITE PLAN

SCALE: 1/8" = 1'-0"

NORTH

GENERAL SHEET NOTES:

1. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. SEE ENLARGED PLANS FOR LOCATIONS OF EXISTING DRAINS AND VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.

SITE SIZE

+/- 6 ACRES

PARKING LOT CALCULATIONS

CODE REFERENCES:	2022 CBC TABLE 11B-208.2 AND 2022 CBC TABLE 11B-228.3.2.1
PARKING SPACES PROVIDED:	26
ACCESSIBLE STALLS REQUIRED:	2 (1 VAN + 1 STANDARD ACCESSIBLE STALLS)
REQUIRED ECV CHARGING SPACES:	2 (1 VAN ACCESSIBLE)
PROVIDED ECV CHARGING SPACES:	2 (1 VAN ACCESSIBLE)
REQUIRED FUTURE EC CAPABLE CHARGING SPACES:	8

ALTERATION KEYNOTES:

NOT ALL KEYNOTES USED.

1. NEW 6'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST.
2. NEW WALL MOUNT ACCESSIBLE DRINKING FOUNTAIN WITH GUIDE RAILS.
3. NEW 6'-0" GREEN CHAIN LINK FENCE.
4. NEW DIGITAL MARQUEE SIGN USING EXISTING FRAME AND FOUNDATION. PROVIDE NEW POWER AND DATA - SEE ELECTRICAL / LOW VOLTAGE DRAWINGS. SPECIFIED SIGN IS FROM SAME MANUFACTURER AS EXISTING AND DESIGNED TO USE EXISTING SUPPORT STRUCTURE. SIGN IS LESS THAN 8'-0" IN OVERALL HIGHT ABOVE GRADE AND IS EXEMPT FROM DSA REVIEW PER DSA IR-A22 EXEMPTION NO. 6. PREP., PRIME & PAINT (E) EXPOSED STEEL BASE.
5. NEW DSA APPROVED PC (#02-121109) FABRIC CANTILEVER SHADE STRUCTURE. SIZE 30'-0" X 20'-0".
6. NEW DSA APPROVED PC (#04-123279) FABRIC 4-POST SHADE STRUCTURE. SIZE: 40'-0" X 40'-0".
7. NEW FLAGPOLE. SEE DETAIL 7/A002.
8. NEW SITE METAL BENCH.
9. NOT USED.
9. NEW EXERCISE EQUIPMENT WITH POURED IN PLACE RUBBER SURFACING.
10. NEW 8'-0" GREEN CHAIN LINK FENCE WITH PRIVACY SLATS.
11. NEW ADA ACCESSIBLE CURB RAMP. SEE CIVIL DRAWINGS.
12. NEW STANDARD ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST.
13. NEW VAN ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST.
14. NEW ADA ACCESSIBLE DROP OFF. SEE CIVIL DRAWINGS.
15. NEW STEEL BOLLARD. SEE DETAIL 10/A002.
16. NEW STEEL GUIDE RAIL. SEE DETAIL 6/A002.
17. NEW PLAY EQUIPMENT. SEE DETAIL 2/A001 FOR ITEM LIST AND SPEC SECTION 11 68 16. NOT A PART OF THE DSA STRUCTURAL SAFETY APPROVAL.
18. NEW DOWNSPOUT. SEE DETAIL 9/A650.

LEGEND:

- GXX — GATE TAG. SEE SHEET A002 FOR GATE SCHEDULE.
- NEW LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS.
- NEW AC PAVING. SEE CIVIL DRAWINGS.
- NEW CONCRETE PAVING. SEE CIVIL DRAWINGS.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- NEW WALK ON BARK - SEE LANDSCAPE DRAWINGS.
- NEW SYNTHETIC TURF - SEE LANDSCAPE DRAWINGS.
- NEW POURED IN PLACE RUBBER.
- NEW AC PAVING OVERLAY - SEE CIVIL DRAWINGS.

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
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Sacramento City Unified School District

CONSULTANT

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www.nachtlewis.com
916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

ENLARGED PARTIAL NEW WORK SITE PLAN

SHEET NO.

A101

GENERAL SHEET NOTES:

1. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
2. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
3. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
4. PROTECT SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
5. SEE CIVIL DRAWINGS FOR ADDITIONAL SCOPE AND DETAILS.
6. FOR ALL NEW UNDERGROUND ELECTRICAL, GAS DISTRIBUTION AND ALL OTHER UTILITY DISTRIBUTION, CONTRACTOR SHALL COORDINATE ACTUAL ROUTING WITH EXISTING UNDERGROUND UTILITIES. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE ANY DAMAGED LANDSCAPE AND IRRIGATION.
7. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE WORK NOT SHOWN IN THIS ENLARGED SITE PLANS.

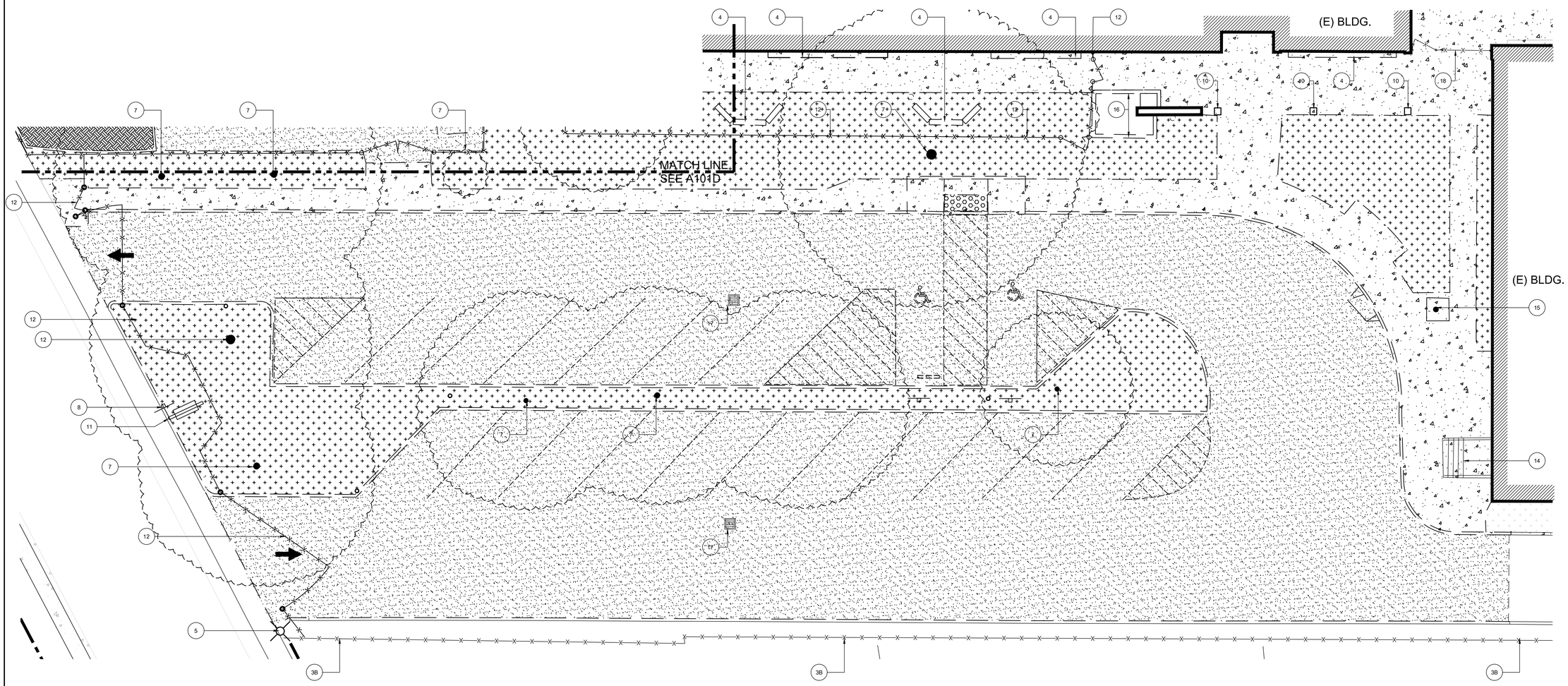
DEMOLITION KEYNOTES:

NOT ALL KEYNOTES USED.

1. DEMO EXISTING PORTABLE BUILDING INCLUDING WOOD CRIB FOUNDATION, RAMPS, STAIRS, AND SKIRTING. REMOVE ALL UTILITIES BACK TO NEAREST PULLBOX, PANEL, OR AS SHOWN ELSEWHERE IN THIS SET.
2. DEMO EXISTING CONCRETE RAMP.
3. DEMO EXISTING CHAIN LINK FENCING.
3A. DEMO EXISTING CHAIN LINK FABRIC. POST TO REMAIN. SLEEVE ALL EXISTING POSTS PER NEW WORK PLAN.
3B. EXISTING FENCING TO REMAIN.
4. DEMO EXISTING GROUND-SET BENCH.
5. EXISTING LIGHT POLE TO REMAIN. PROTECT IN PLACE.
6. DEMO EXISTING WALL-MOUNT DRINKING FOUNTAIN.
7. DEMO EXISTING TREE AND ROOT BALL.
7A. EXISTING TREE TO REMAIN. PROTECT IN PLACE.
8. REMOVE AND REINSTALL STREET SIGN. PROVIDE NEW CONCRETE FOOTING.
9. DEMO EXISTING PLAY STRUCTURE IN ITS ENTIRETY INCLUDING ALL FOOTINGS.
10. EXISTING COLUMN AND FOOTING TO REMAIN. PROTECT IN PLACE.
11. DEMO EXISTING MARQUEE SIGN PANEL ONLY. SUPPORTING STRUCTURE AND CONCRETE FOOTING TO REMAIN. REMOVE ALL UTILITIES BACK TO NEAREST PULLBOX, PANEL, OR AS SHOWN ELSEWHERE IN THIS SET.
12. DEMO EXISTING ORNAMENTAL IRON FENCING, FOOTINGS, AND GATES.
13. EXISTING METAL SHADE STRUCTURE TO REMAIN. PROTECT IN PLACE.
14. EXISTING STAIRS TO REMAIN.
15. DEMO EXISTING FLAGPOLE AND FOOTING.
16. DEMO EXISTING RAISED BRICK PLANTER.
17. DEMO EXISTING STORM DRAIN. SEE CIVIL FOR MORE INFORMATION.
18. EXISTING ORNAMENTAL IRON FENCING TO REMAIN. PROTECT IN PLACE.
19. EXISTING ELECTRICAL SERVICE TO BE PROTECTED IN PLACE.
20. DEMO EXISTING FIXED SOCCER GOALS.

LEGEND:

- EXISTING LANDSCAPING AREA AND UTILITIES TO BE REMOVED. SEE CIVIL AND LANDSCAPE DRAWINGS FOR MORE INFORMATION.
- EXISTING AC PAVING TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING BARK PIT AREA INCLUDING WALK-ON BARK, CONCRETE PERIMETER CURB, FOOTINGS, ETC. TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING AREA TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- GRIND AND OVERLAY AC PAVING. SEE CIVIL DRAWINGS.



1 ENLARGED PARTIAL DEMOLITION SITE PLAN

SCALE: 1/8" = 1'-0"

NORTH

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

ENLARGED PARTIAL DEMOLITION SITE PLAN

SHEET NO.

A102D

GENERAL SHEET NOTES:

1. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. SEE ENLARGED PLANS FOR LOCATIONS OF EXISTING DRAINS AND VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.

SITE SIZE

+/- 6 ACRES

PARKING LOT CALCULATIONS

CODE REFERENCES:	2022 CBC TABLE 11B-208.2 AND 2022 CBC TABLE 11B-228.3.2.1
PARKING SPACES PROVIDED:	26
ACCESSIBLE STALLS REQUIRED:	2 (1 VAN + 1 STANDARD ACCESSIBLE STALLS)
REQUIRED ECV CHARGING SPACES:	2 (1 VAN ACCESSIBLE)
PROVIDED ECV CHARGING SPACES:	2 (1 VAN ACCESSIBLE)
REQUIRED FUTURE EC CAPABLE CHARGING SPACES:	8

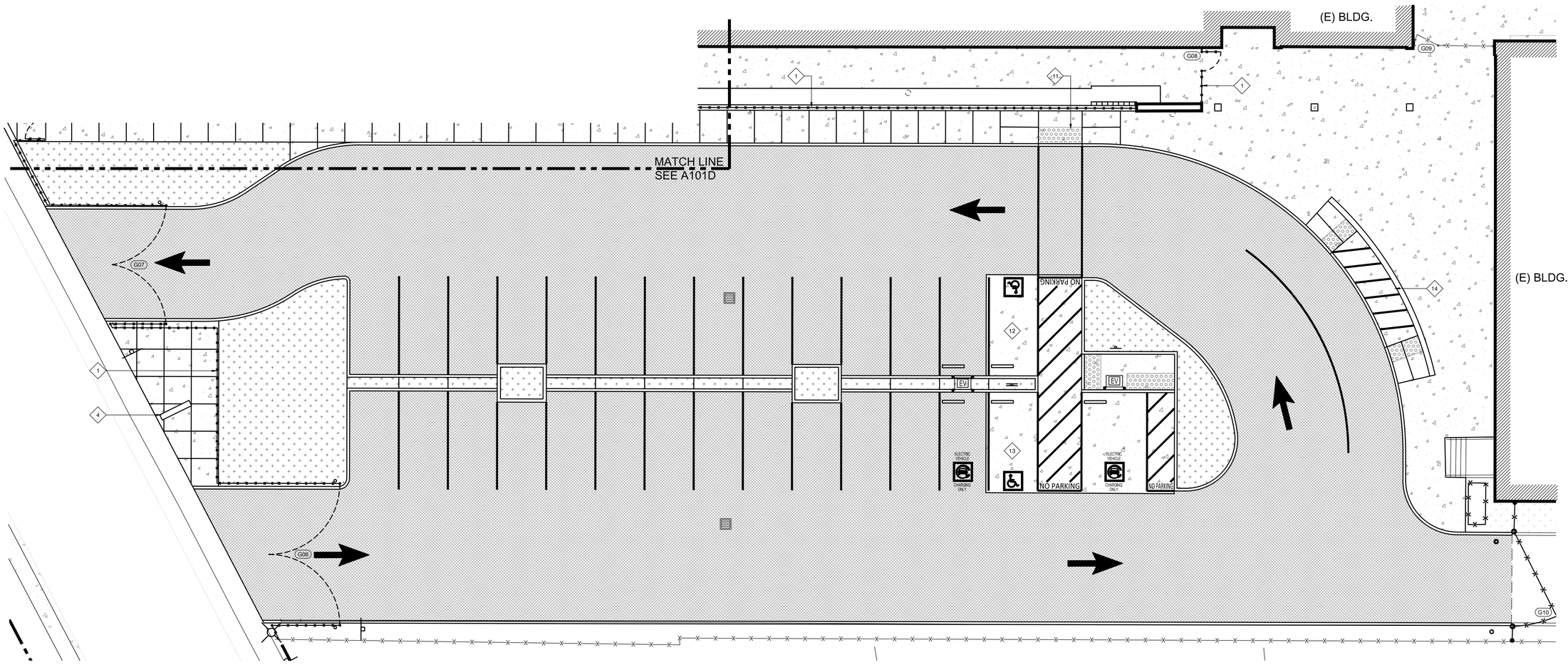
ALTERATION KEYNOTES:

NOT ALL KEYNOTES USED.

1. NEW 6'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST.
2. NEW WALL MOUNT ACCESSIBLE DRINKING FOUNTAIN WITH GUIDE RAILS.
3. NEW 6'-0" GREEN CHAIN LINK FENCE.
4. NEW DIGITAL MARQUEE SIGN USING EXISTING FRAME AND FOUNDATION. PROVIDE NEW POWER AND DATA - SEE ELECTRICAL / LOW VOLTAGE DRAWINGS. SPECIFIED SIGN IS FROM SAME MANUFACTURER AS EXISTING AND DESIGNED TO USE EXISTING SUPPORT STRUCTURE. SIGN IS LESS THAN 8'-0" IN OVERALL HIGHT ABOVE GRADE AND IS EXEMPT FROM DSA REVIEW PER DSA IR-A22 EXEMPTION NO. 6. PREP., PRIME & PAINT (E) EXPOSED STEEL BASE.
5. NEW DSA APPROVED PC (#02-121109) FABRIC CANTILEVER SHADE STRUCTURE.
6. NEW DSA APPROVED PC (#04-123279) FABRIC 4-POST SHADE STRUCTURE.
7. NEW FLAGPOLE. SEE DETAIL 7/A002.
8. NEW SITE METAL BENCH.
8. NOT USED.
9. NEW EXERCISE EQUIPMENT WITH POURED IN PLACE RUBBER SURFACING.
10. NEW 8'-0" GREEN CHAIN LINK FENCE WITH PRIVACY SLATS.
11. NEW ADA ACCESSIBLE CURB RAMP. SEE CIVIL DRAWINGS.
12. NEW STANDARD ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST.
13. NEW VAN ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST.
14. NEW ADA ACCESSIBLE DROP OFF. SEE CIVIL DRAWINGS.
15. NEW STEEL BOLLARD. SEE DETAIL 10/A002.
16. NEW STEEL GUIDE RAIL. SEE DETAIL 6/A002.
17. NEW PLAY EQUIPMENT. SEE SPEC SECTION 11 68 16. NOT A PART OF THE DSA STRUCTURAL SAFETY APPROVAL.
18. NEW DOWNSPOUT. SEE DETAIL 9/A650.

LEGEND:

- GXX — GATE TAG. SEE SHEET A002 FOR GATE SCHEDULE.
- NEW LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS.
- NEW AC PAVING. SEE CIVIL DRAWINGS.
- NEW CONCRETE PAVING. SEE CIVIL DRAWINGS.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- NEW WALK ON BARK - SEE LANDSCAPE DRAWINGS.
- NEW SYNTHETIC TURF - SEE LANDSCAPE DRAWINGS.
- NEW POURED IN PLACE RUBBER.
- NEW AC PAVING OVERLAY - SEE CIVIL DRAWINGS.



1 ENLARGED PARTIAL NEW WORK SITE PLAN

SCALE: 1/8" = 1'-0"

NORTH

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

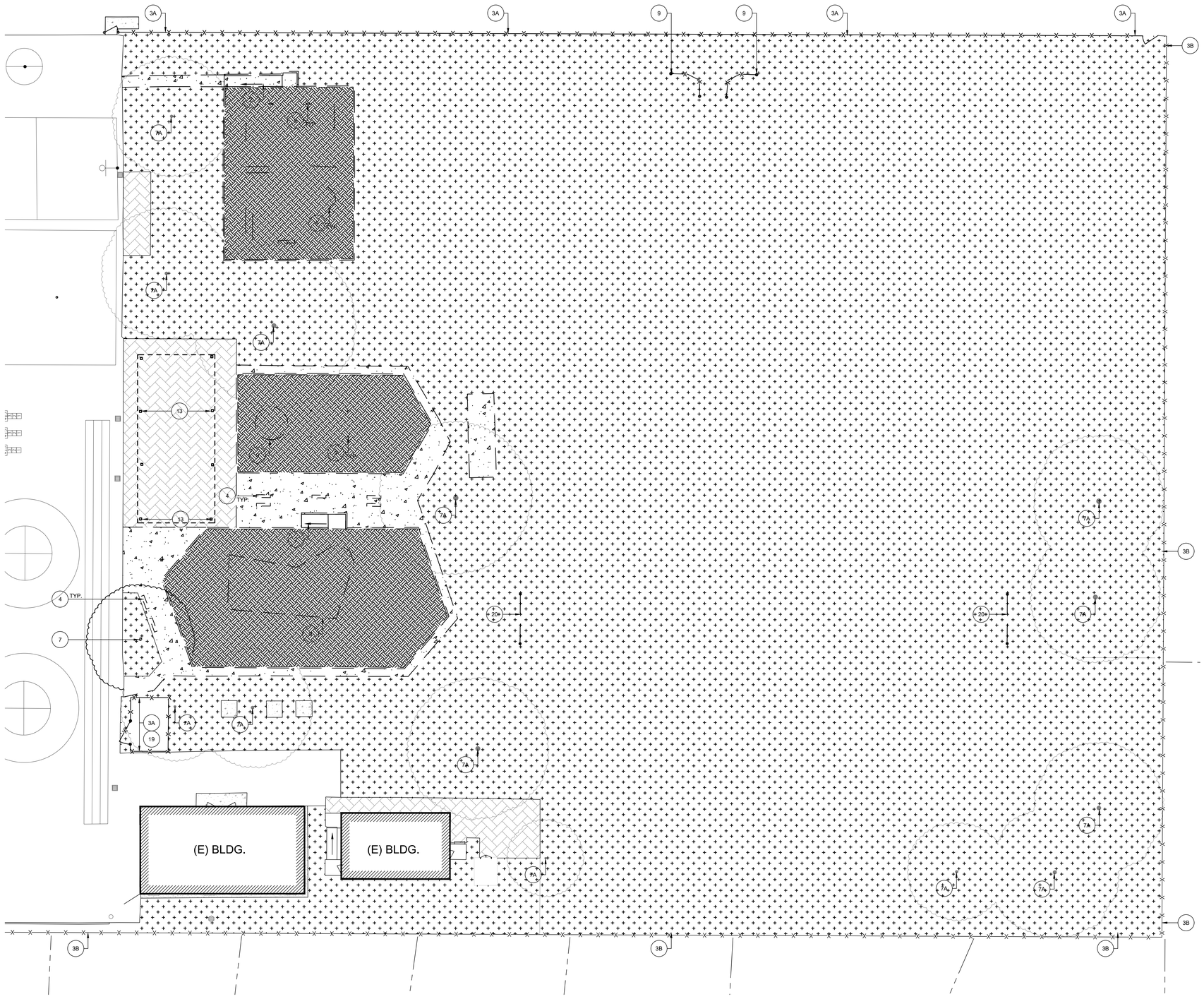
JOB NO.: Y2421.00

SHEET TITLE

ENLARGED PARTIAL NEW WORK SITE PLAN

SHEET NO.

A102



1 PARTIAL ENLARGED DEMOLITION PLAN

SCALE: 1/16" = 1'-0"

NORTH

GENERAL SHEET NOTES:

1. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
2. AT ALL LOCATIONS WHERE NEW AND/OR EXISTING CONCRETE WILL BE USED FOR HEAVY BOBCAT PIVOTING OR TRACTOR TRAFFIC, CONTRACTOR SHALL PROTECT CONCRETE FINISH FROM TIRE TRACKS/SKID MARKS AND POWER WASH ALL AFFECTED CONCRETE TO FULLY REMOVE TIRE MARKS/SKIDS.
3. CONTRACTOR SHALL COORDINATE EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO EXCAVATION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE AND DAMAGED BUILDINGS, BUILDINGS, SITE ELEMENTS, LANDSCAPE, IRRIGATION SYSTEMS, WALKS, OR CURBS TO MATCH EXISTING.
4. PROTECT SIGNAGE IN PLACE DURING CONSTRUCTION UNLESS NOTED TO BE REMOVED. SIGNAGE REQUIRED TO BE REMOVED TO ADEQUATELY PERFORM WORK SHALL BE REINSTALLED AT COMPLETION OF WORK.
5. SEE CIVIL DRAWINGS FOR ADDITIONAL SCOPE AND DETAILS.
6. FOR ALL NEW UNDERGROUND ELECTRICAL, GAS DISTRIBUTION AND ALL OTHER UTILITY DISTRIBUTION, CONTRACTOR SHALL COORDINATE ACTUAL ROUTING WITH EXISTING UNDERGROUND UTILITIES. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS AND AROUND BUILDING AND CANOPY FOOTINGS. RESTORE ANY DAMAGED LANDSCAPE AND IRRIGATION.
7. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE WORK NOT SHOWN IN THIS ENLARGED SITE PLANS.

DEMOLITION KEYNOTES:

NOT ALL KEYNOTES USED.

1. DEMO EXISTING PORTABLE BUILDING INCLUDING WOOD CRIB FOUNDATION, RAMPS, STAIRS, AND SKIRTING. REMOVE ALL UTILITIES BACK TO NEAREST PULLBOX, PANEL, OR AS SHOWN ELSEWHERE IN THIS SET.
2. DEMO EXISTING CONCRETE RAMP.
3. DEMO EXISTING CHAIN LINK FENCING.
3A. DEMO EXISTING CHAIN LINK FABRIC. POST TO REMAIN. SLEEVE ALL EXISTING POSTS PER NEW WORK PLAN.
3B. EXISTING FENCING TO REMAIN.
4. DEMO EXISTING GROUND-SET BENCH.
5. EXISTING LIGHT POLE TO REMAIN. PROTECT IN PLACE.
6. DEMO EXISTING WALL-MOUNT DRINKING FOUNTAIN.
7. DEMO EXISTING TREE AND ROOT BALL.
7A. EXISTING TREE TO REMAIN. PROTECT IN PLACE.
8. REMOVE AND REINSTALL STREET SIGN. PROVIDE NEW CONCRETE FOOTING.
9. DEMO EXISTING PLAY STRUCTURE IN ITS ENTIRETY INCLUDING ALL FOOTINGS.
10. EXISTING COLUMN AND FOOTING TO REMAIN. PROTECT IN PLACE.
11. DEMO EXISTING MARQUEE SIGN AND FOOTING. REMOVE ALL UTILITIES BACK TO NEAREST PULLBOX, PANEL, OR AS SHOWN ELSEWHERE IN THIS SET.
12. DEMO EXISTING ORNAMENTAL IRON FENCING, FOOTINGS, AND GATES.
13. EXISTING METAL SHADE STRUCTURE TO REMAIN. PROTECT IN PLACE.
14. EXISTING STAIRS TO REMAIN.
15. DEMO EXISTING FLAGPOLE AND FOOTING.
16. DEMO EXISTING RAISED BRICK PLANTER.
17. DEMO EXISTING STORM DRAIN. SEE CIVIL FOR MORE INFORMATION.
18. EXISTING ORNAMENTAL IRON FENCING TO REMAIN. PROTECT IN PLACE.
19. EXISTING ELECTRICAL SERVICE TO BE PROTECTED IN PLACE.
20. DEMO EXISTING FIXED SOCCER GOALS.

LEGEND:

- EXISTING LANDSCAPING AREA AND UTILITIES TO BE REMOVED. SEE CIVIL AND LANDSCAPE DRAWINGS FOR MORE INFORMATION.
- EXISTING AC PAVING TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING BARK PIT AREA INCLUDING WALK-ON BARK, CONCRETE PERIMETER CURB, FOOTINGS, ETC. TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING AREA TO BE REMOVED. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- GRIND AND OVERLAY AC PAVING. SEE CIVIL DRAWINGS.

DIVISION OF THE STATE ARCHITECT

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

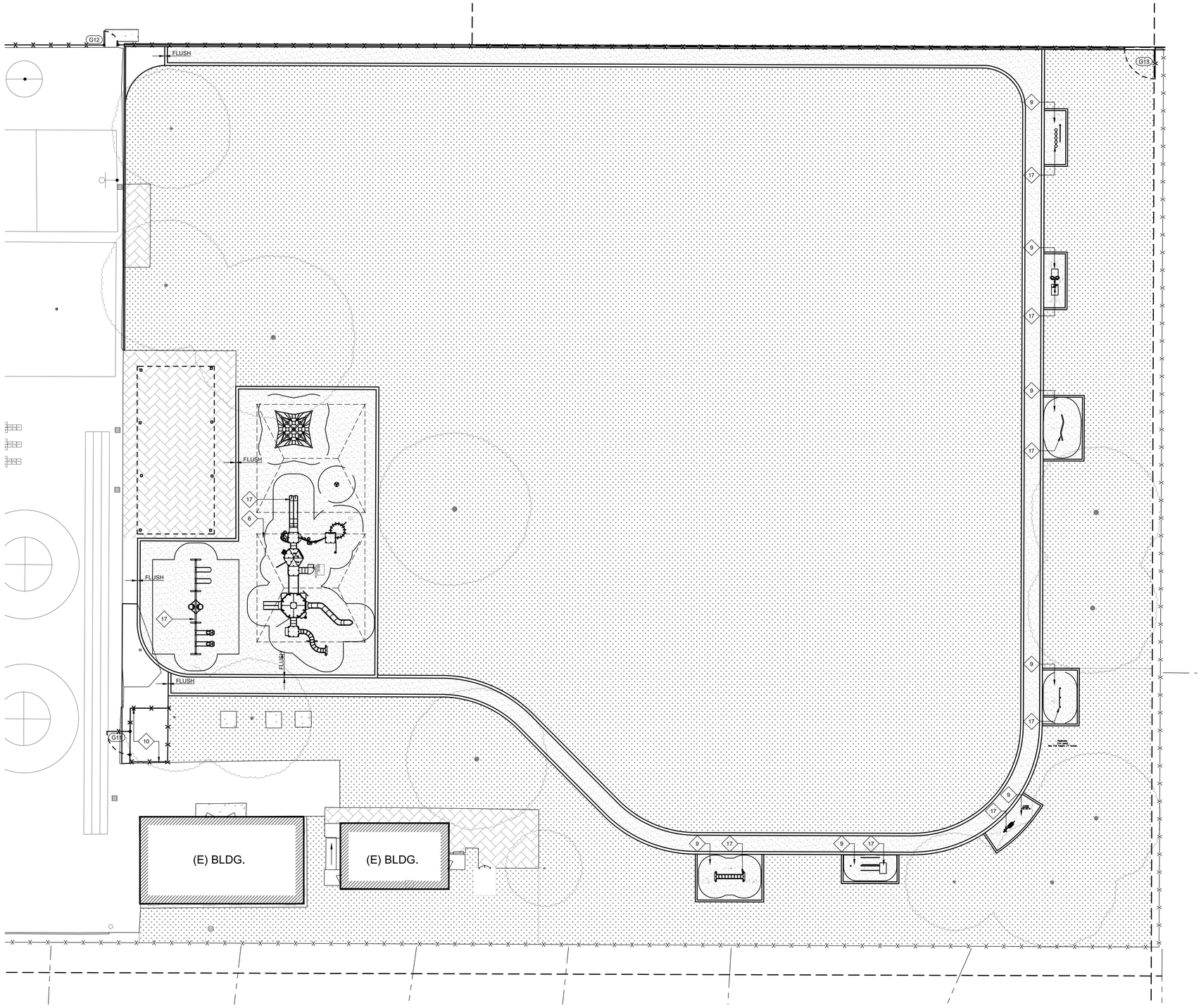
JOB NO.: Y2421.00

SHEET TITLE

ENLARGED PARTIAL DEMOLITION SITE PLAN

SHEET NO.

A103D



1 PARTIAL ENLARGED DEMOLITION PLAN

SCALE: 1/16" = 1'-0"

NORTH

GENERAL SHEET NOTES:

1. ALL NEW CONCRETE SITE WORK EXCLUDING RAMPS AND SLOPED WALKS SHALL BE LESS THAN 2% SLOPE IN ALL DIRECTIONS. SEE ENLARGED PLANS FOR LOCATIONS OF EXISTING DRAINS AND VALVE BOXES AND COORDINATE WITH CIVIL DRAWINGS FOR SCOPE OF WORK IN THESE LOCATIONS.

SITE SIZE

+/- 6 ACRES

PARKING LOT CALCULATIONS

CODE REFERENCES:	2022 CBC TABLE 11B-208.2 AND 2022 CBC TABLE 11B-228.3.2.1
PARKING SPACES PROVIDED:	26
ACCESSIBLE STALLS REQUIRED:	2 (1 VAN + 1 STANDARD ACCESSIBLE STALLS)
REQUIRED ECV CHARGING SPACES:	2 (1 VAN ACCESSIBLE)
PROVIDED ECV CHARGING SPACES:	2 (1 VAN ACCESSIBLE)
REQUIRED FUTURE EC CAPABLE CHARGING SPACES:	8

ALTERATION KEYNOTES:

NOT ALL KEYNOTES USED.

1. NEW 6'-0" HIGH ORNAMENTAL IRON FENCE AND FENCE POST.
2. NEW WALL MOUNT ACCESSIBLE DRINKING FOUNTAIN WITH GUIDE RAILS.
3. NEW 6'-0" GREEN CHAIN LINK FENCE.
4. NEW DIGITAL MARQUEE SIGN USING EXISTING FRAME AND FOUNDATION. PROVIDE NEW POWER AND DATA - SEE ELECTRICAL / LOW VOLTAGE DRAWINGS. SPECIFIED SIGN IS FROM SAME MANUFACTURER AS EXISTING AND DESIGNED TO USE EXISTING SUPPORT STRUCTURE. SIGN IS LESS THAN 8'-0" IN OVERALL HIGHT ABOVE GRADE AND IS EXEMPT FROM DSA REVIEW PER DSA IR-A22 EXEMPTION NO. 6. PREP., PRIME & PAINT (E) EXPOSED STEEL BASE.
5. NEW DSA APPROVED PC (#02-121109) FABRIC CANTILEVER SHADE STRUCTURE. SIZE 30'-0" X 20'-0".
6. NEW DSA APPROVED PC (#04-123279) FABRIC 4-POST SHADE STRUCTURE. SIZE: 40'-0" X 40'-0".
7. NEW FLAGPOLE. SEE DETAIL 7/A002.
8. NEW SITE METAL BENCH.
9. NOT USED.
9. NEW EXERCISE EQUIPMENT WITH POURED IN PLACE RUBBER SURFACING.
10. NEW 8'-0" GREEN CHAIN LINK FENCE WITH PRIVACY SLATS.
11. NEW ADA ACCESSIBLE CURB RAMP. SEE CIVIL DRAWINGS.
12. NEW STANDARD ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST.
13. NEW VAN ADA ACCESSIBLE PARKING SPACE SIGNAGE AND POST.
14. NEW ADA ACCESSIBLE DROP OFF. SEE CIVIL DRAWINGS.
15. NEW STEEL BOLLARD. SEE DETAIL 10/A002.
16. NEW STEEL GUIDE RAIL. SEE DETAIL 6/A002.
17. NEW PLAY EQUIPMENT. SEE DETAIL 2/A001 FOR ITEM LIST AND SPEC SECTION 11 68 16. NOT A PART OF THE DSA STRUCTURAL SAFETY APPROVAL.
18. NEW DOWNSPOUT. SEE DETAIL 9/A650.

LEGEND:

- GXX — GATE TAG. SEE SHEET A002 FOR GATE SCHEDULE.
- NEW LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS.
- NEW AC PAVING. SEE CIVIL DRAWINGS.
- NEW CONCRETE PAVING. SEE CIVIL DRAWINGS.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- NEW WALK ON BARK - SEE LANDSCAPE DRAWINGS.
- NEW SYNTHETIC TURF - SEE LANDSCAPE DRAWINGS.
- NEW POURED IN PLACE RUBBER.
- NEW AC PAVING OVERLAY - SEE CIVIL DRAWINGS.

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

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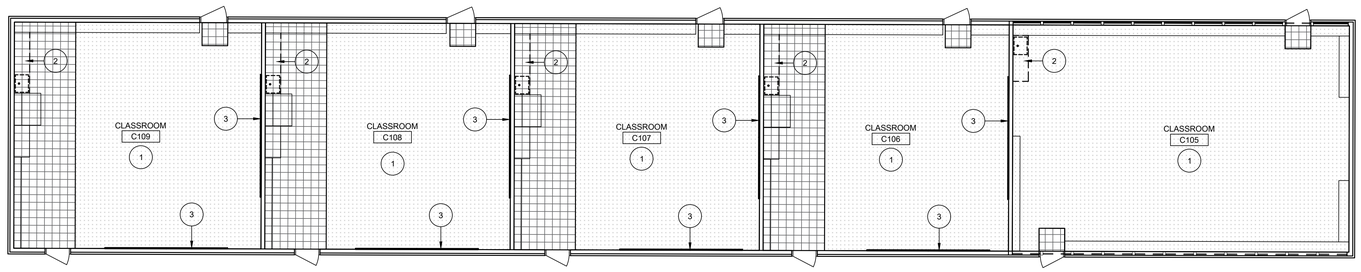
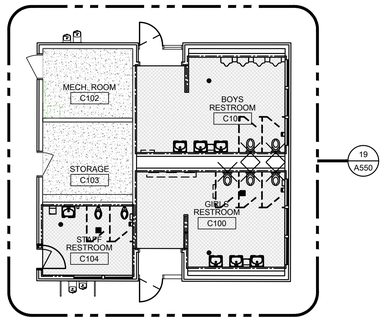
SHEET TITLE

ENLARGED PARTIAL NEW WORK SITE PLAN

SHEET NO.

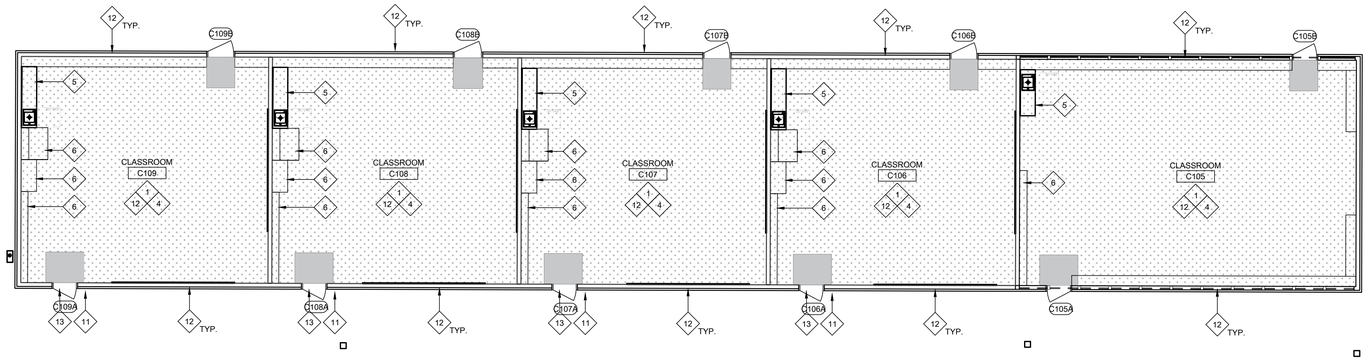
A103

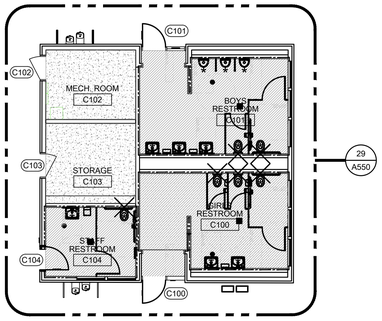




29 BUILDING C FLOOR PLAN - DEMOLITION

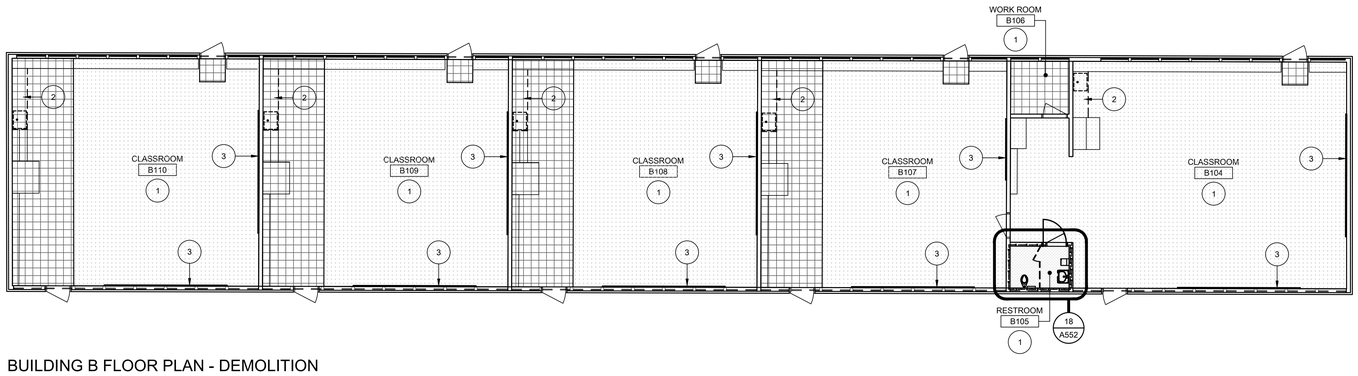
SCALE: 1/8" = 1'-0"

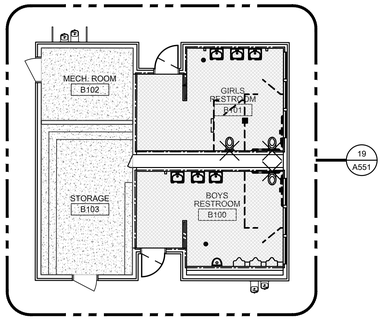




28 BUILDING C FLOOR PLAN - NEW WORK

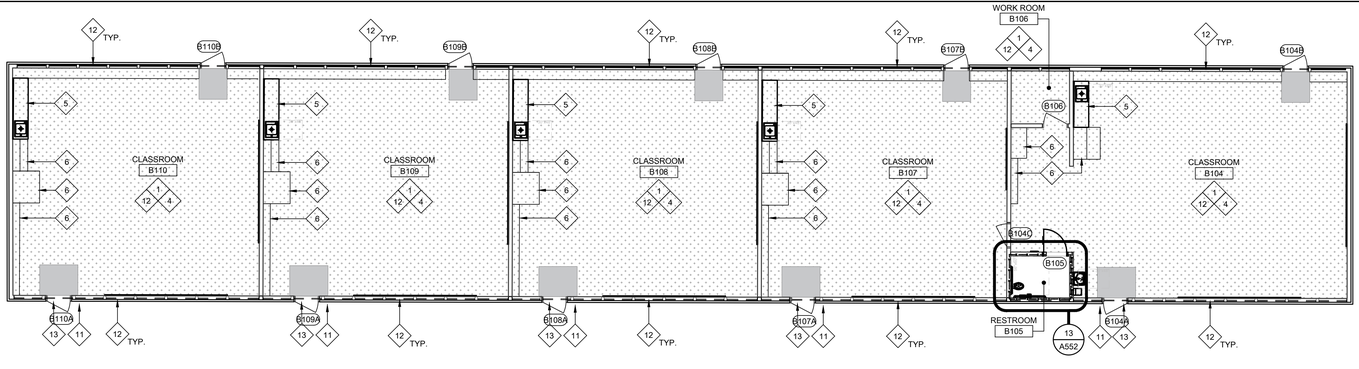
SCALE: 1/8" = 1'-0"

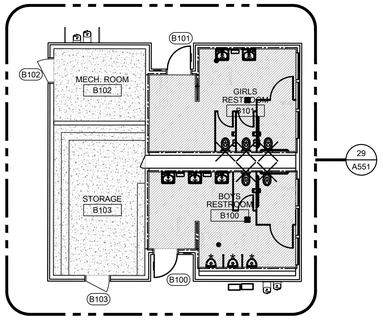




27 BUILDING B FLOOR PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"





26 BUILDING B FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. SEE PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR SCOPE OF WORK NOT SHOWN ON THIS SHEET.
2. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
3. CONTRACTOR SHALL COORDINATE EXISTING UTILITIES PRIOR TO EXECUTING DEMOLITION AND NEW WORK. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS.
4. SEE PAINT LAYOUT SHEETS A800-A802 FOR PAINT COLORS AND ACCENT WALLS.
5. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
6. WHERE NEW SIGNS ARE INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING ROOM ID SIGNS AND PROVIDE NEW AS INDICATED. SEE DETAILXXXX.
7. ALL NEW DOORS TO COMPLY WITH REQUIREMENTS OF PANIC HARDWARE AND RATING, TYPICAL ALL FLOOR PLANS.
8. FOR ALL TOILET ROOMS SCOPE OF WORK SEE SHEET A521.

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING FLOORING FINISH AND EXISTING BASE. PREP CONCRETE TO RECEIVE NEW FLOORING PER ALTERATION PLAN.
2. DEMO PORTION OF EXISTING CASEWORK. REMOVE BRACKETS, SUPPORTS AND PATCH WALL PRIOR TO NEW WORK. REMOVE ANY CASEWORK DOORS, HINGES, AND OTHER MISCELLANEOUS HARDWARE. PATCH, REPAIR AND REPAINT WALL AS NECESSARY BEFORE INSTALLING NEW CASEWORK.
3. EXISTING MARKER BOARDS TO REMAIN. MASK AND PROTECT IN PLACE DURING ALTERATION WORK.
4. EXISTING CASEWORK TO REMAIN. PROTECT IN PLACE DURING ALTERATION WORK. PREPARE TO RECEIVE NEW PAINT.
5. DEMO EXISTING FRP WINDOW PANEL. PROTECT ALUMINUM WINDOW FRAME.
6.
7.
8.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. PRIME AND PAINT WALLS, CEILING, DUCTWORK, AND EXISTING CONDUIT RACETRACKS. REINSTALL PREVIOUSLY REMOVED WALL AND CEILING EQUIPMENT.
2. PRIME AND PAINT DOOR AND DOOR FRAME. REMOVE WINDOW COVERINGS AND MASK AROUND GLASS WHERE APPLICABLE.
3. EXISTING STAINED WOOD DOOR. SAND DOWN TOP LAYER AND RESEAL.
4. NEW FLOORING AND RUBBER BASE. PROVIDE TRANSITION STRIPS BETWEEN FLOORING CHANGES AND BETWEEN NEW AND EXISTING FLOORING.
5. NEW CASEWORK WITH SINK PER XXXXXX. NEW SOAP DISPENSER AND NEW TOWEL DISPENSER ABOVE. MOUNTING HEIGHTS PER XXXXXX.
6. PRIME AND PAINT EXISTING CASEWORK AND OPEN SHELVING IN PLACE. PAINT BOTH SIDES OF CASEWORK DOORS AND INSIDE SHELVES.
7. NEW FIRE EXTINGUISHER.
8. NEW ASSISTIVE LISTENING DEVICE SIGN, SEE DETAIL 28/A640
9. NEW OCCUPANCY LOAD SIGN MOUNTED AT 8'-0" A.F.F., ABOVE DOOR (U.N.O.) THE NUMBER OF OCCUPANTS IS IDENTIFIED ON PLANS. SEE DETAIL 27/A640.
10. NEW METAL INFILL PANEL.
11. NEW EXTERIOR ROOM ID SIGN, SEE DETAIL XXXX. SEE DOOR SCHEDULE ON XX.X
12. CLEAN EXISTING WINDOWS ON INTERIOR AND EXTERIOR SIDE.
13. NEW DOOR THRESHOLD PER DETAIL XXXXXX

LEGEND:

DEMO EXISTING CARPET	NEW CARPET
DEMO EXISTING VCT	NEW LVT
DEMO TILE FLOORING	NEW WALK OFF MATT
DEMO XXXXX	NEW EPOXY FLOORING SYSTEM
EXISTING CONCRETE FLOORING	NEW EPOXY FLOORING SYSTEM
(E)SFE — (E) FIRE EXTINGUISHER - REMOVE TO PERFORM ALTERATION WORK AND REINSTALL	SFE — (N) FIRE EXTINGUISHER - PORTABLE, SURFACE MOUNTED
(E) DOOR TO REMAIN - SEE DOOR SCHEDULE ON SHEET XXXXX FOR PAINT SCOPE.	NEW DOOR AND FRAME. - SEE DOOR SCHEDULE ON SHEET AXXXX.

KEYPLAN:

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
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Sacramento City Unified School District

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

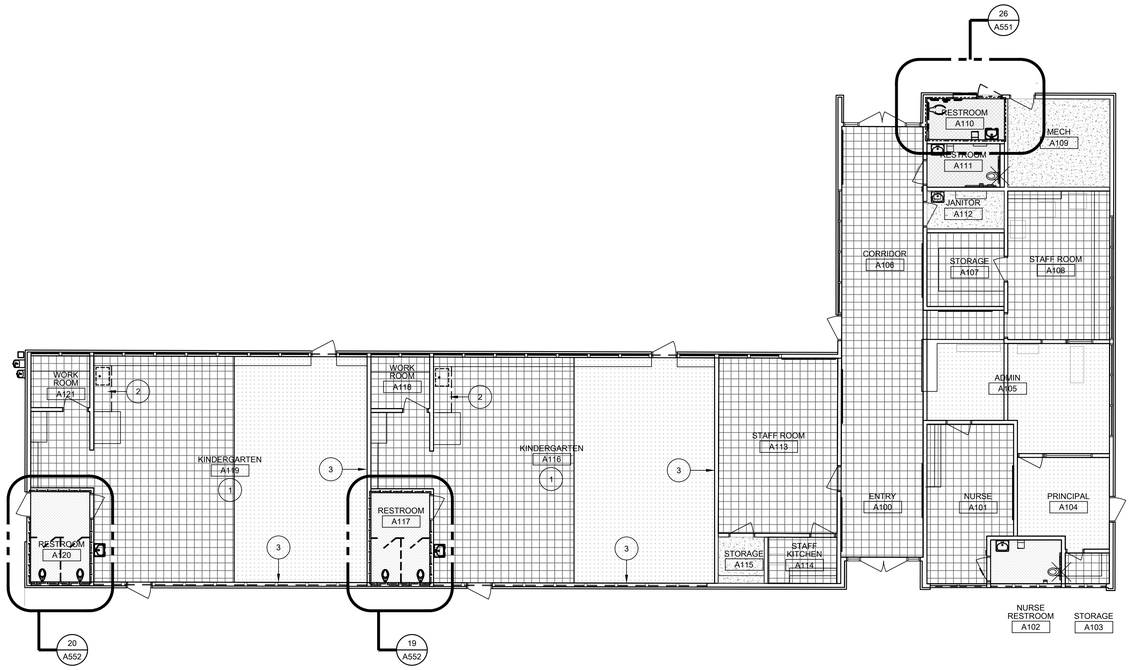
JOB NO.: Y2421.00

SHEET TITLE

FLOOR PLAN

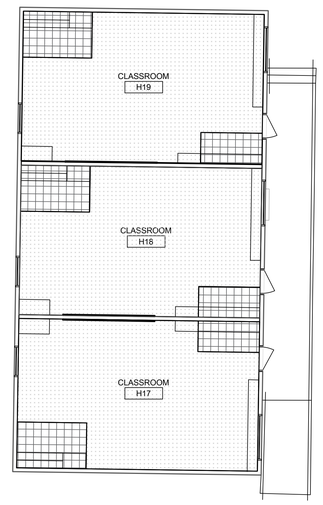
SHEET NO.

A110



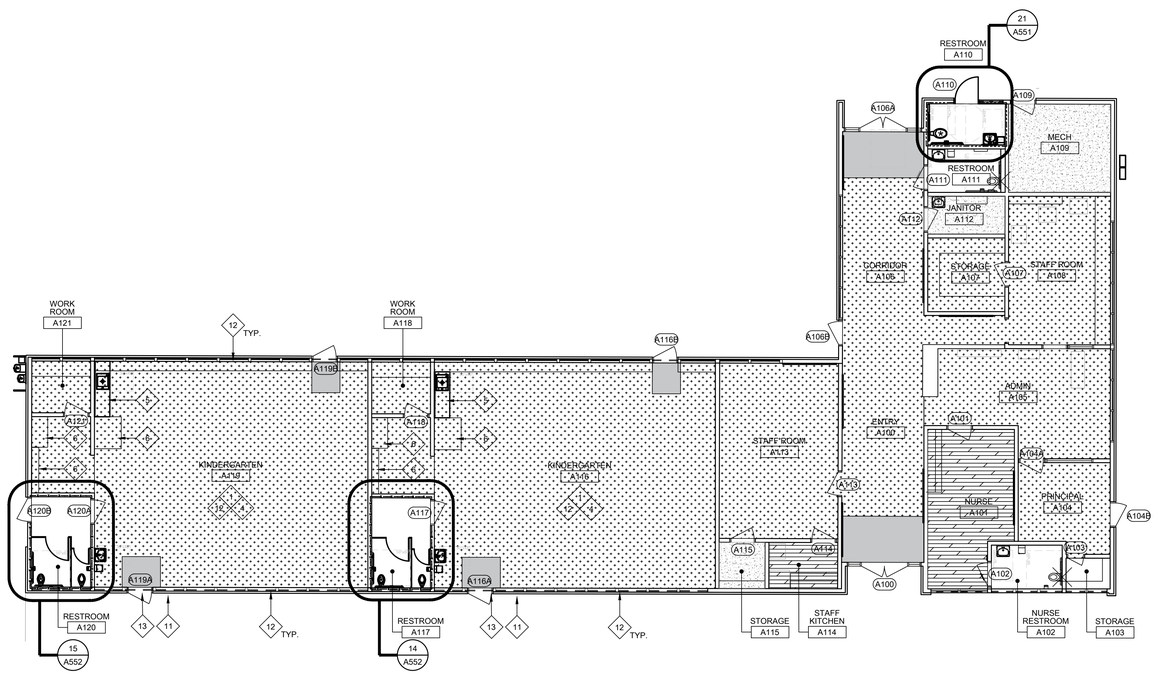
28 BUILDING A FLOOR PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



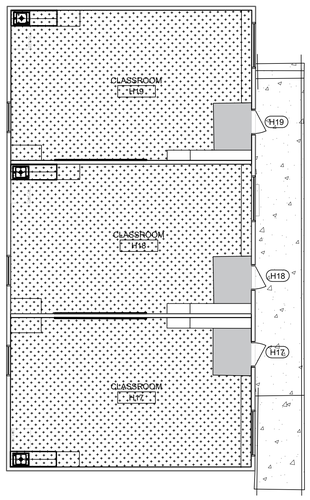
13 BUILDING H FLOOR PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



26 BUILDING A FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"



11 BUILDING H FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. SEE PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR SCOPE OF WORK NOT SHOWN ON THIS SHEET.
2. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
3. CONTRACTOR SHALL COORDINATE EXISTING UTILITIES PRIOR TO EXECUTING DEMOLITION AND NEW WORK. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS.
4. SEE PAINT LAYOUT SHEETS A800-A802 FOR PAINT COLORS AND ACCENT WALLS.
5. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
6. WHERE NEW SIGNS ARE INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING ROOM ID SIGNS AND PROVIDE NEW AS INDICATED. SEE DETAILXXXX.
7. ALL NEW DOORS TO COMPLY WITH REQUIREMENTS OF PANIC HARDWARE AND RATING, TYPICAL ALL FLOOR PLANS.
8. FOR ALL TOILET ROOMS SCOPE OF WORK SEE SHEET A521.

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING FLOORING FINISH AND EXISTING BASE. PREP CONCRETE TO RECEIVE NEW FLOORING PER ALTERATION PLAN.
2. DEMO PORTION OF EXISTING CASEWORK. REMOVE BRACKETS, SUPPORTS AND PATCH WALL PRIOR TO NEW WORK. REMOVE ANY CASEWORK DOORS, HINGES, AND OTHER MISCELLANEOUS HARDWARE. PATCH, REPAIR AND REPAINT WALL AS NECESSARY BEFORE INSTALLING NEW CASEWORK.
3. EXISTING MARKER BOARDS TO REMAIN. MASK AND PROTECT IN PLACE DURING ALTERATION WORK.
4. EXISTING CASEWORK TO REMAIN. PROTECT IN PLACE DURING ALTERATION WORK. PREPARE TO RECEIVE NEW PAINT.
5. DEMO EXISTING FRP WINDOW PANEL. PROTECT ALUMINUM WINDOW FRAME.
6.
7.
8.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. PRIME AND PAINT WALLS, CEILING, DUCTWORK, AND EXISTING CONDUIT RACETRACKS. REINSTALL PREVIOUSLY REMOVED WALL AND CEILING EQUIPMENT.
2. PRIME AND PAINT DOOR AND DOOR FRAME. REMOVE WINDOW COVERINGS AND MASK AROUND GLASS WHERE APPLICABLE.
3. EXISTING STAINED WOOD DOOR. SAND DOWN TOP LAYER AND RESEAL.
4. NEW FLOORING AND RUBBER BASE. PROVIDE TRANSITION STRIPS BETWEEN FLOORING CHANGES AND BETWEEN NEW AND EXISTING FLOORING.
5. NEW CASEWORK WITH SINK PER XXXXXX. NEW SOAP DISPENSER AND NEW TOWEL DISPENSER ABOVE. MOUNTING HEIGHTS PER XXXXXX.
6. PRIME AND PAINT EXISTING CASEWORK AND OPEN SHELVING IN PLACE. PAINT BOTH SIDES OF CASEWORK DOORS AND INSIDE SHELVES.
7. NEW FIRE EXTINGUISHER.
8. NEW ASSISTIVE LISTENING DEVICE SIGN, SEE DETAIL 28/A640
9. NEW OCCUPANCY LOAD SIGN MOUNTED AT 8'-0" A.F.F., ABOVE DOOR (U.N.O.) THE NUMBER OF OCCUPANTS IS IDENTIFIED ON PLANS. SEE DETAIL 27/A640.
10. NEW METAL INFILL PANEL.
11. NEW EXTERIOR ROOM ID SIGN, SEE DETAIL XXXX. SEE DOOR SCHEDULE ON XX.X
12. CLEAN EXISTING WINDOWS ON INTERIOR AND EXTERIOR SIDE.
13. NEW DOOR THRESHOLD PER DETAIL XXXXXX

LEGEND:

	DEMO EXISTING CARPET		NEW CARPET
	DEMO EXISTING VCT		NEW LVT
	DEMO TILE FLOORING		NEW WALK OFF MATT
	DEMO XXXXX		NEW EPOXY FLOORING SYSTEM
	EXISTING CONCRETE FLOORING		NEW EPOXY FLOORING SYSTEM
(E)SFE	(E) FIRE EXTINGUISHER - REMOVE TO PERFORM ALTERATION WORK AND REINSTALL	SFE	(N) FIRE EXTINGUISHER - PORTABLE, SURFACE MOUNTED
	(E) DOOR TO REMAIN - SEE DOOR SCHEDULE ON SHEET XXXXX FOR PAINT SCOPE.		NEW DOOR AND FRAME. - SEE DOOR SCHEDULE ON SHEET AXXXX.

KEYPLAN:

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

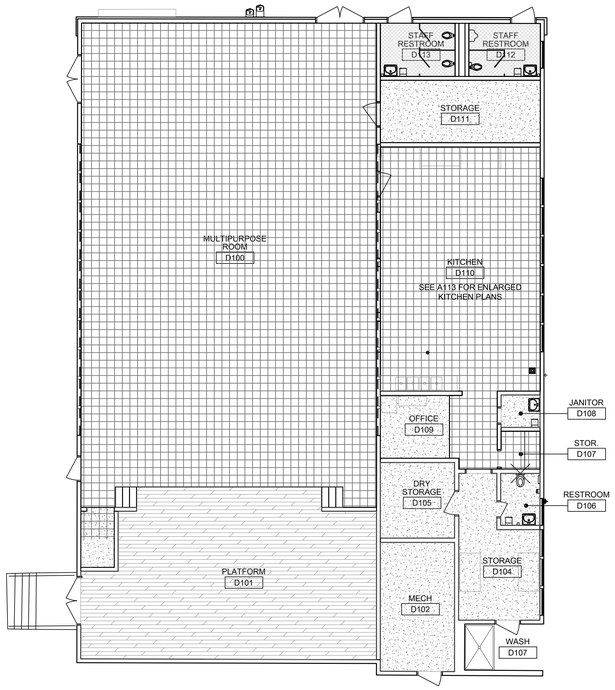
JOB NO.: Y2421.00

SHEET TITLE

FLOOR PLAN

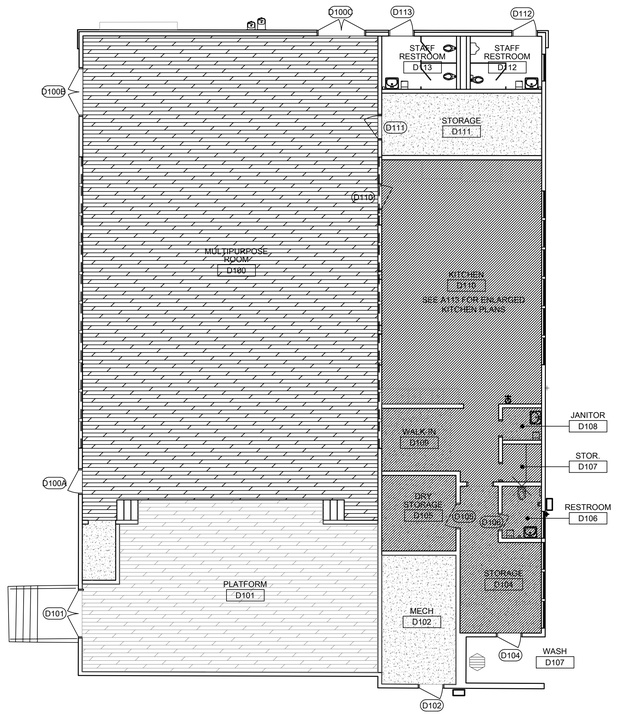
SHEET NO.

A111



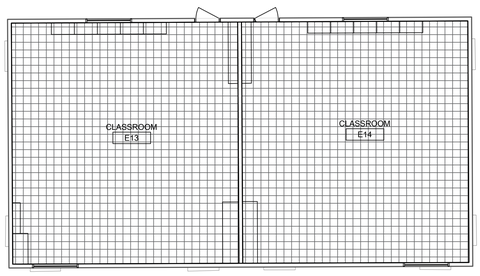
28 BUILDING D FLOOR PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



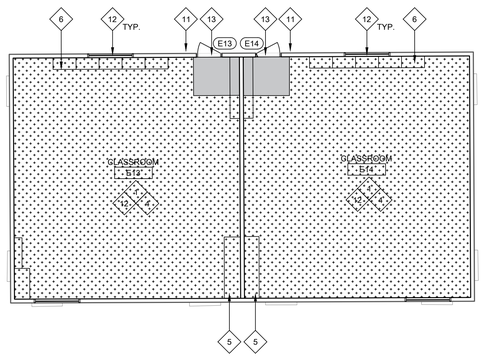
13 BUILDING D FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"



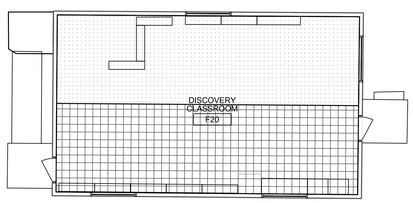
27 BUILDING E FLOOR PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



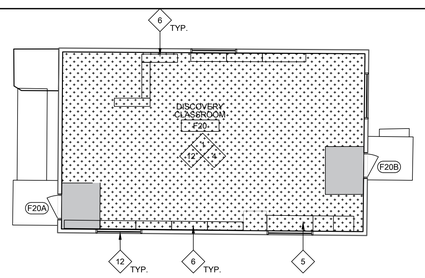
12 BUILDING E FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"



26 BUILDING F FLOOR PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



11 BUILDING F FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. SEE PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR SCOPE OF WORK NOT SHOWN ON THIS SHEET.
2. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
3. CONTRACTOR SHALL COORDINATE EXISTING UTILITIES PRIOR TO EXECUTING DEMOLITION AND NEW WORK. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS.
4. SEE PAINT LAYOUT SHEETS A800-A802 FOR PAINT COLORS AND ACCENT WALLS.
5. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
6. WHERE NEW SIGNS ARE INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING ROOM ID SIGNS AND PROVIDE NEW AS INDICATED. SEE DETAILXXXX.
7. ALL NEW DOORS TO COMPLY WITH REQUIREMENTS OF PANIC HARDWARE AND RATING, TYPICAL ALL FLOOR PLANS.
8. FOR ALL TOILET ROOMS SCOPE OF WORK SEE SHEET A521.

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING FLOORING FINISH AND EXISTING BASE. PREP CONCRETE TO RECEIVE NEW FLOORING PER ALTERATION PLAN.
2. DEMO PORTION OF EXISTING CASEWORK. REMOVE BRACKETS, SUPPORTS AND PATCH WALL PRIOR TO NEW WORK. REMOVE ANY CASEWORK DOORS, HINGES, AND OTHER MISCELLANEOUS HARDWARE. PATCH, REPAIR AND REPAINT WALL AS NECESSARY BEFORE INSTALLING NEW CASEWORK.
3. EXISTING MARKER BOARDS TO REMAIN. MASK AND PROTECT IN PLACE DURING ALTERATION WORK.
4. EXISTING CASEWORK TO REMAIN. PROTECT IN PLACE DURING ALTERATION WORK. PREPARE TO RECEIVE NEW PAINT.
5. DEMO EXISTING FRP WINDOW PANEL. PROTECT ALUMINUM WINDOW FRAME.
6.
7.
8.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. PRIME AND PAINT WALLS, CEILING, DUCTWORK, AND EXISTING CONDUIT RACETRACKS. REINSTALL PREVIOUSLY REMOVED WALL AND CEILING EQUIPMENT.
2. PRIME AND PAINT DOOR AND DOOR FRAME. REMOVE WINDOW COVERINGS AND MASK AROUND GLASS WHERE APPLICABLE.
3. EXISTING STAINED WOOD DOOR. SAND DOWN TOP LAYER AND RESEAL.
4. NEW FLOORING AND RUBBER BASE. PROVIDE TRANSITION STRIPS BETWEEN FLOORING CHANGES AND BETWEEN NEW AND EXISTING FLOORING.
5. NEW CASEWORK WITH SINK PER XXXXXX. NEW SOAP DISPENSER AND NEW TOWEL DISPENSER ABOVE. MOUNTING HEIGHTS PER XXXXXX.
6. PRIME AND PAINT EXISTING CASEWORK AND OPEN SHELVING IN PLACE. PAINT BOTH SIDES OF CASEWORK DOORS AND INSIDE SHELVES.
7. NEW FIRE EXTINGUISHER.
8. NEW ASSISTIVE LISTENING DEVICE SIGN, SEE DETAIL 28/A640
9. NEW OCCUPANCY LOAD SIGN MOUNTED AT 8'-0" A.F.F., ABOVE DOOR (U.N.O.) THE NUMBER OF OCCUPANTS IS IDENTIFIED ON PLANS. SEE DETAIL 27/A640.
10. NEW METAL INFILL PANEL.
11. NEW EXTERIOR ROOM ID SIGN, SEE DETAIL XXXX. SEE DOOR SCHEDULE ON XX.X
12. CLEAN EXISTING WINDOWS ON INTERIOR AND EXTERIOR SIDE.
13. NEW DOOR THRESHOLD PER DETAIL XXXXXX

LEGEND:

- DEMO EXISTING CARPET
- DEMO EXISTING VCT
- DEMO TILE FLOORING
- DEMO XXXXX
- EXISTING CONCRETE FLOORING
- NEW CARPET
- NEW LVT
- NEW WALK OFF MATT
- NEW EPOXY FLOORING SYSTEM
- NEW EPOXY FLOORING SYSTEM
- (E)SFE — (E) FIRE EXTINGUISHER - REMOVE TO PERFORM ALTERATION WORK AND REINSTALL.
- SFE — (N) FIRE EXTINGUISHER - PORTABLE, SURFACE MOUNTED
- (E) DOOR TO REMAIN - SEE DOOR SCHEDULE ON SHEET XXXXX FOR PAINT SCOPE.
- NEW DOOR AND FRAME. - SEE DOOR SCHEDULE ON SHEET AXXXX.

KEYPLAN:

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

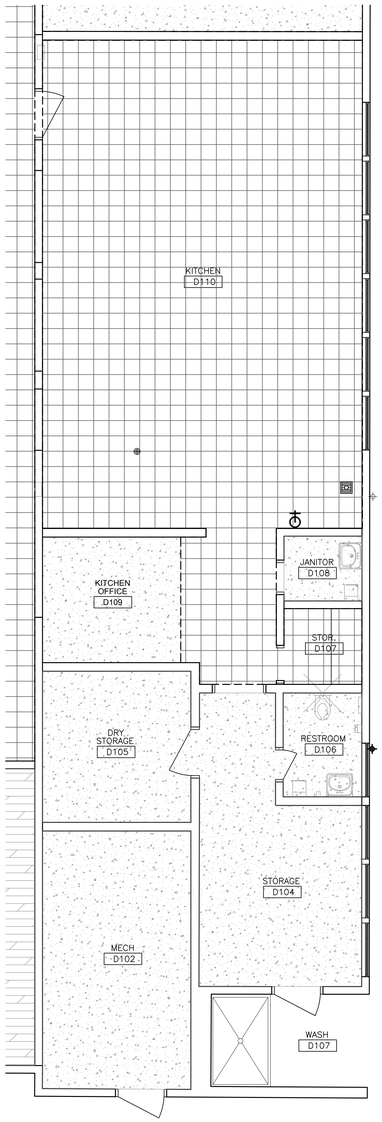
JOB NO.: Y2421.00

SHEET TITLE

FLOOR PLAN

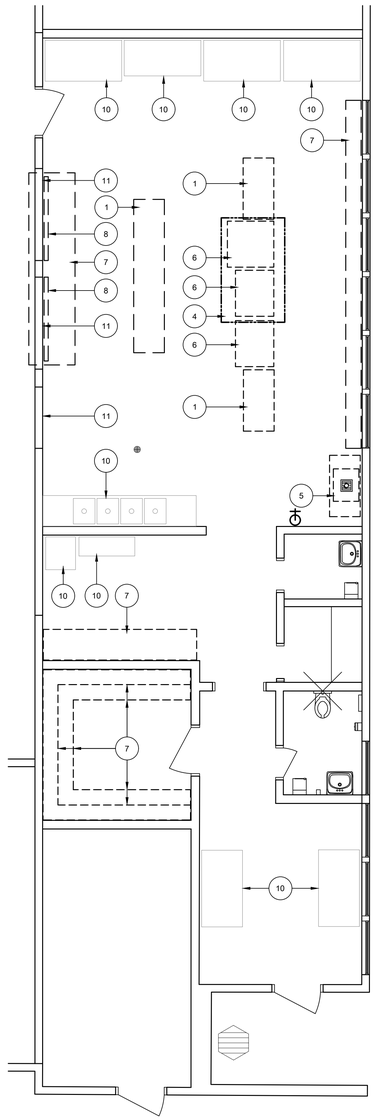
SHEET NO.

A112



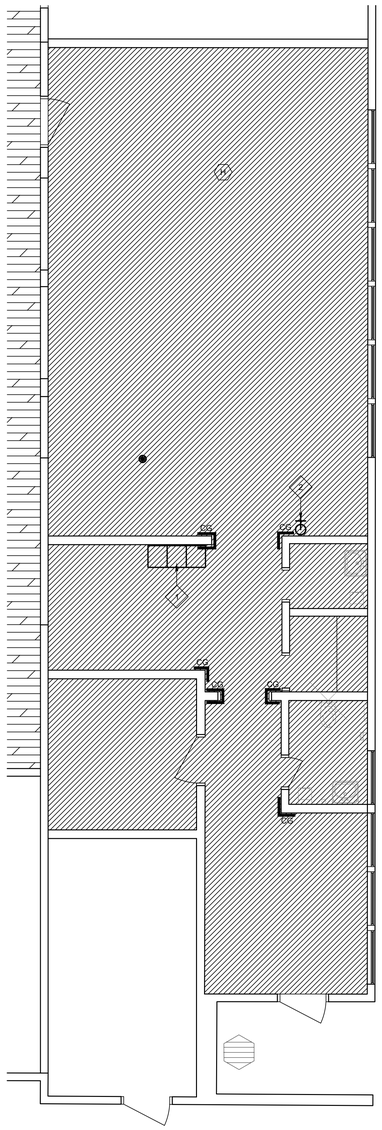
27 KITCHEN FLOOR DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



17 KITCHEN EQUIPMENT DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



12 KITCHEN NEW FLOOR PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. COORDINATE ALL KITCHEN EQUIPMENT REMOVAL WITH DISTRICT. COORDINATE WHICH ITEMS TO SALVAGE ITEMS BACK TO DISTRICT AND DISPOSE OF ITEMS NOT SALVAGED.
2. THOROUGHLY CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. REMOVE OR PROTECT WALL AND CEILING MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
3. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE DEMOLITION WORK OR THE NEW WORK TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES AS REQUIRED.
4. EXISTING WALLS AND STRUCTURAL COLUMNS TO REMAIN, SAW-CUT (E) CONCRETE SLAB AS CLOSE AS POSSIBLE TAKING CARE NOT TO DISTURB (E) WORK TO REMAIN. WHERE (E) FOUNDATION WORK OR CONCRETE PIERS MAY BE ATTACHED TO SLAB, CAREFULLY CHIP SLAB TO A MINIMUM OF 4" BELOW TOP OF SLAB UP TO SAW-CUT TO ACCOMMODATE NEW CONCRETE SLAB INFILL.
5. REFER TO STRUCTURAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE ITEMS. SEE KITCHEN PLANS FOR NEW EQUIPMENT LOCATIONS.
6. IN ORDER TO PERFORM FLOORING SCOPE, REMOVE ALL EQUIPMENT, TRASH RECEPTICALS, PORTABLE RACKS, AND ANY OTHER MISC. STORAGE ITEMS. NOT ALL EQUIPMENT WILL BE SHOWN. SIZES MAY VARY, FIELD VERIFY PRIOR TO REMOVAL.

DEMOLITION KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING STAINLESS STEEL KITCHEN EQUIPMENT
2. DEMO EXISTING GREASE TRAP.
3. DEMO EXISTING FLOOR DRAIN OR CLEANOUT. SEE PLUMING DRAWINGS.
4. DEMO EXISTING HOOD ABOVE.
5. DEMO EXISTING SINK.
6. DEMO EXISTING OVENS OR WARMERS. DISCONNECT FROM GAS SOURCE.
7. DEMO EXISTING BUILT-IN CASEWORK SHELVING UNIT - PROTECT EXISTING SURROUNDING WINDOWS AND ROLL-UP DOORS IN PLACE. PATCH WALLS WITH NEW GYP SYSTEM AND MAKE FLUSH WITH EXISTING ADJACENT WALL.
8. DEMO EXISTING COUNTERTOP-MOUNTED SNEEZE GUARDS.
9. EXISTING FIRE EXTINGUISHER LOCATION. RELOCATE PER KITCHEN PLANS AND INSTALL NEW SIGNAGE RELATED TO EXTINGUISHER.
10. EQUIPMENT TO BE REUSED - CAREFULLY REMOVE TO PERFORM NEW WORK AND REINSTALL AS NOTED IN FOODSERVICE DRAWINGS.
11. EXISTING METAL ROLL-UP DOOR TO REMAIN. PROTECT IN PLACE.

NEW WORK KEYNOTES:

ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. NEW 15"W x 15"D x 72"HT STAFF LOCKERS.
2. EXISTING FIRE EXTINGUISHER - REMOVE TO PERFORM NEW WORK AND REINSTALL IN SAME LOCATION.

LEGEND:

ALL LEGEND ITEMS MAY NOT BE USED ON THIS SHEET.

- DEMO (E) KITCHEN EQUIPMENT. SEE KITCHEN DRAWINGS FOR EQUIPMENT BEING SALVAGED AND REINSTALLED.
- (E) KITCHEN EQUIPMENT TO BE REMOVED AND STORED TO PERFORM FLOORING AND PAINTING SCOPE AND REINSTALLED IN LOCATION SHOWN ON FOODSERVICE DRAWINGS.
- DEMO EXISTING HOOD OR EQUIPMENT DUCTS
- TRENCH THROUGH EXISTING CONCRETE TO EXISTING UTILITIES TO TIE NEW UTILITIES INTO EXISTING UTILITIES.
- DEMO EXISTING ACT FLOORING - REMOVE ALL GLUE/ADHESIVE REMNANTS AND DEMO EXISTING BASE. PREP FLOOR AND WALL TO RECEIVE NEW EPOXY FLOORING SYSTEM AND COVED BASE.
- EXISTING EXPOSED CONCRETE FLOORING TO REMAIN. THOROUGHLY CLEAN AND PREP TO RECEIVE NEW EPOXY.
- NEW EPOXY FLOORING SYSTEM AND INTEGRAL EPOXY COVED BASE PER SPECIFICATIONS.
- EXISTING FLOOR DRAIN OR CLEANOUT. DEMO EXISTING CONCRETE 2"-3" AROUND DRAINS TO CREATE SINK AROUND DRAINGS. CAP OR MOVE AS REQUIRED IN NEW KITCHEN LAYOUT.
- CG CG NEW CORNER GUARDS - SEE SPEC SECTION 10 26 00
- H EXISTING CEILING-MOUNTED HEAT DETECTOR TO REMAIN. PROTECT IN PLACE.

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
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Sacramento City Unified School District

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

KITCHEN
ENLARGED PLANS

SHEET NO.

A113

KEYNOTES:

ALL KEYNOTES MAY NOT BE USED.

1. REMOVE EXISTING ROOF SYSTEM DOWN TO ROOF DECK. ROOF IS COMPOSED OF:
   - STANDING SEAM METAL ROOFING OVER
   - 1" THICK POLYSTYRENE INSULATION OVER
   - BUILT-UP ROOFING SYSTEM WITH GRAVEL SURFACING OVER
   - WOOD DECK(STRUCTURE).
2. REMOVE ALL EDGE METAL AROUND FULL PERIMETER OF BUILDING.
3. DEMO EXISTING FASCIA-MOUNTED MINI-GUTTER AND DOWNSPOUT.
4. NOT USED
5. THOROUGHLY CLEAN (E) METAL GUTTERS AND DOWNSPOUTS.
6. NOT USED
7. EXISTING ROOF-TOP DUCTWORK TO REMAIN. PROTECT IN PLACE. REMOVE ALL FLASHING COLLARS AND PREP FOR NEW PER ALTERATION PLAN. PREP ALL DUCTWORK FOR NEW WEATHER PROTECTANT COATING AS CALLED FOR ON ALTERATION PLAN.

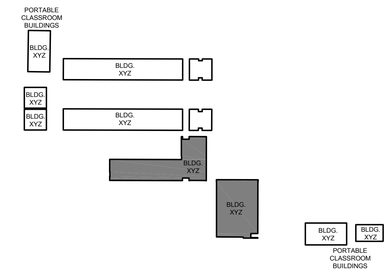
LEGEND:

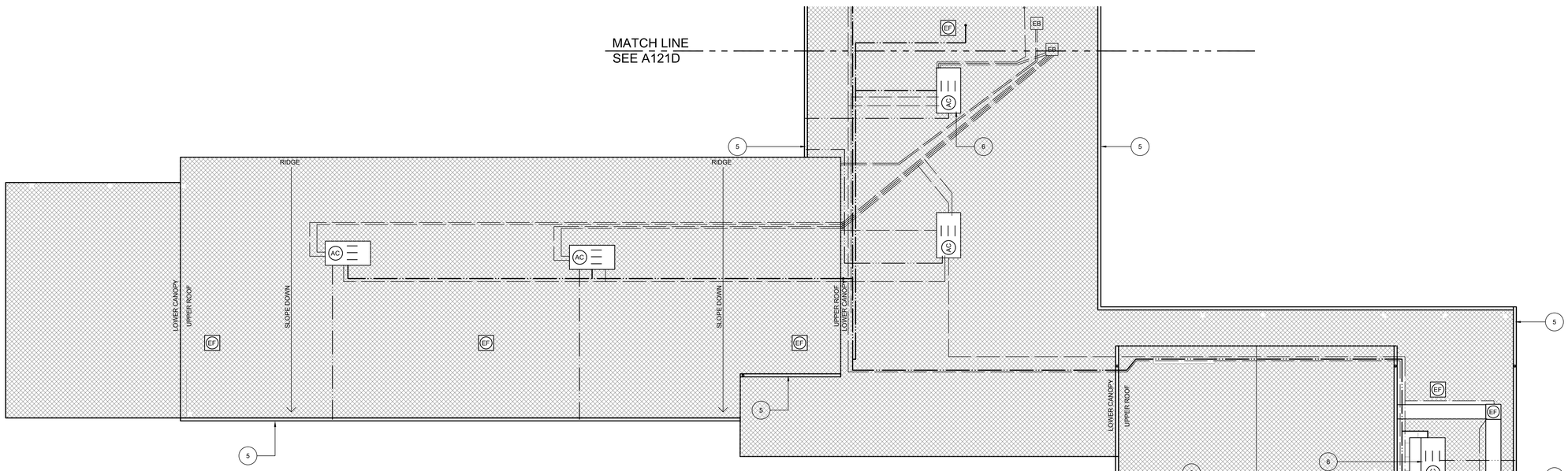
- DEMO EXISTING ROOF SYSTEM. SEE KEYNOTES FOR ADDITIONAL DEMOLITION INFORMATION.
- EXISTING ROOF SYSTEM TO REMAIN IN PLACE. THOROUGHLY CLEAN IN PREPARATION FOR NEW ROOF COATING.
- (E) ELECTRICAL CONDUITS TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE CONDUIT, DIAMETER OF CONDUIT VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE SUPPORTS AS REQUIRED.
- (E) GAS PIPING TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE PIPE, DIAMETER VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUB-STRATE. DETACH FROM (E) ANCHORED PIPE SUPPORTS AS REQ'D.
- EXISTING CONDENSATE PIPING TO BE DEMOLISHED AND REPLACED WITH NEW. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- AC — (E) HVAC UNIT TO REMAIN IN PLACE. UNLESS OTHERWISE NOTED, REMOVE FASTENERS FROM GSM CAP AND REMOVE (E) CLAD METAL AND/OR ROOFING SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. SIZE VARIES. FIELD VERIFY AT EACH LOCATION. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REPLACE WITH NEW. PROVIDE FOR TWO (2) WHIPS PER UNIT.
- EB — EXISTING ELECTRICAL PULL BOX. OPEN, REMOVE FASTENERS, AND CAREFULLY RAISE BOX AS NEEDED TO REMOVE ROOFING SYSTEM BELOW. BOX SIZES VARY. FIELD VERIFY.
- EF — REMOVE (E) EXHAUST FAN AND GSM CAP. DEMO (E) CLAD METAL AND ROOFING SYSTEM FROM (E) CURB. EXTEND NEW ROOFING SYSTEM UP CURB AND INSTALL NEW FLASHING. SIZE VARIES. FIELD VERIFY AT EACH LOCATION. DISCONNECT (E) ELECTRICAL WHERE REQUIRED.
- GC — REMOVE GSM CAP, CLAD METAL, AND ROOFING SYSTEM FROM CURB. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB AND REINSTALL CAP. PROVIDE NEW FLASHINGS. SIZE VARIES PER LOCATION.
- EXISTING ANCHORED ROOF BLOCK TO BE REUSED. UNBOLT UTILITIES FROM BLOCK AND DEMO FLASHING AND SINGLE PLY SYSTEM OVER BLOCK. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- SH — (E) ROOF SMOKE HATCH TO BE PROTECTED IN PLACE DURING RECOATING OF ROOF.

GENERAL SHEET NOTES:

1. MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE REROOF WITH THIS SYSTEMS INTACT.
2. EXISTING SMALL THROUGH ROOF PENETRATIONS AND PLUMBING VENTS NOT SHOWN ON PLAN BUT DO EXIST ON BUILDINGS. REMOVE EXISTING BOOT OR MALLEABLE LEAD SHIELD AND PREP PENETRATION FOR NEW ROOF INSTALL.
3. DEMOLISH ALL EXISTING FLOATING WOOD BLOCKS AND REPLACE WITH NEW PER ALTERATION PLAN.
4. EXISTING FIXED ROOFED-IN SEISMIC BLOCKS ARE TO REMAIN INTACT. REMOVE ROOFING FROM BLOCK AND PROVIDE NEW PER ALTERATION PLAN.
5. REMOVE EXISTING ROOF-MOUNTED AND FASCIA-MOUNTED SECURITY LIGHTING AND SALVAGE TO REINSTALL.

KEYPLAN:





27 PARTIAL DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"

NORTH

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REVISIONS

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JOB NO.: Y2421.00

SHEET TITLE

PARTIAL DEMOLITION ROOF PLAN

SHEET NO.

A120D

KEYNOTES:

ALL KEYNOTES MAY NOT BE USED.

1. NEW BUILT-UP ROOF SYSTEM WHICH CONSIST OF:
   NEW BUILT-UP ROOF OVER,
   NEW COVER BOARD OVER,
   NEW 1" INSULATION OVER,
   EXISTING PLYWOOD SHEATHING.
2. NEW PVC CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT. SEE DETAIL 19/A650.
3. NEW GUTTER. SEE DETAIL 18/A650.
4. NEW DOWNSPOUT. SEE DETAIL 9&10/A650.

LEGEND:

NEW BUILT-UP ROOFING SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.

EXISTING ROOF SYSTEM. PROVIDE NEW ROOF COATING OVER ENTIRE ROOF PER SPEC SECTION 07 01 50.72.

EXISTING ELECTRICAL CONDUIT TO BE RESECURED TO EXISTING ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL CONDUITS.

EXISTING GAS PIPING TO BE RESECURED TO EXISTING ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE. PAINT WITH URETHANE PAINT.

(N) GALVANIZED CONDENSATE PIPING TO BE INSTALLED AND RECON- NECTED TO HVAC UNIT PER DETAIL 28/A651. SEE PLAN FOR ADD'L (N) ADHERED BLOCKS. IN ADDITION, PROVIDE (N) FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE.

N1 NEW ANCHORED ROOF BLOCK. SEE DETAIL 8/A650.

N2 NEW ADHERED ROOF BLOCK. SEE DETAIL 7/A650.

E (E) ANCHORED BLOCK TO BE REUSED. PROVIDE SINGLE PLY ROOF SYSTEM OVER BLOCK AND NEW GSM CAP. RESECURE UTILITIES TO TOP OF BLOCK WITH NEW FASTENERS. SEE DETAIL 5/A820 SIMILAR.

EB EXISTING ELECTRICAL PULL BOX. PROVIDE NEW ANCHORED ROOF BLOCKS RUNNING FULL LENGTH OF EACH SIDE OF BOX. REATTACH EXISTING ELECTRICAL BOX TO NEW ANCHORED BLOCKS. SEAL ALL HOLES IN ELECTRICAL BOX WITH SEALANT.

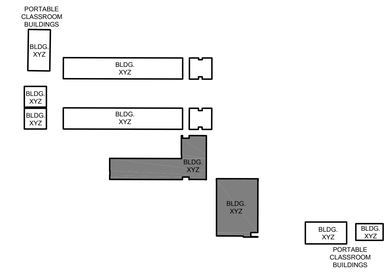
EF EXISTING EXHAUST FAN. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB. SET FAN BODY IN BED OF SEALANT AND RESECURE TO CURB. RECONNECT WIRING.

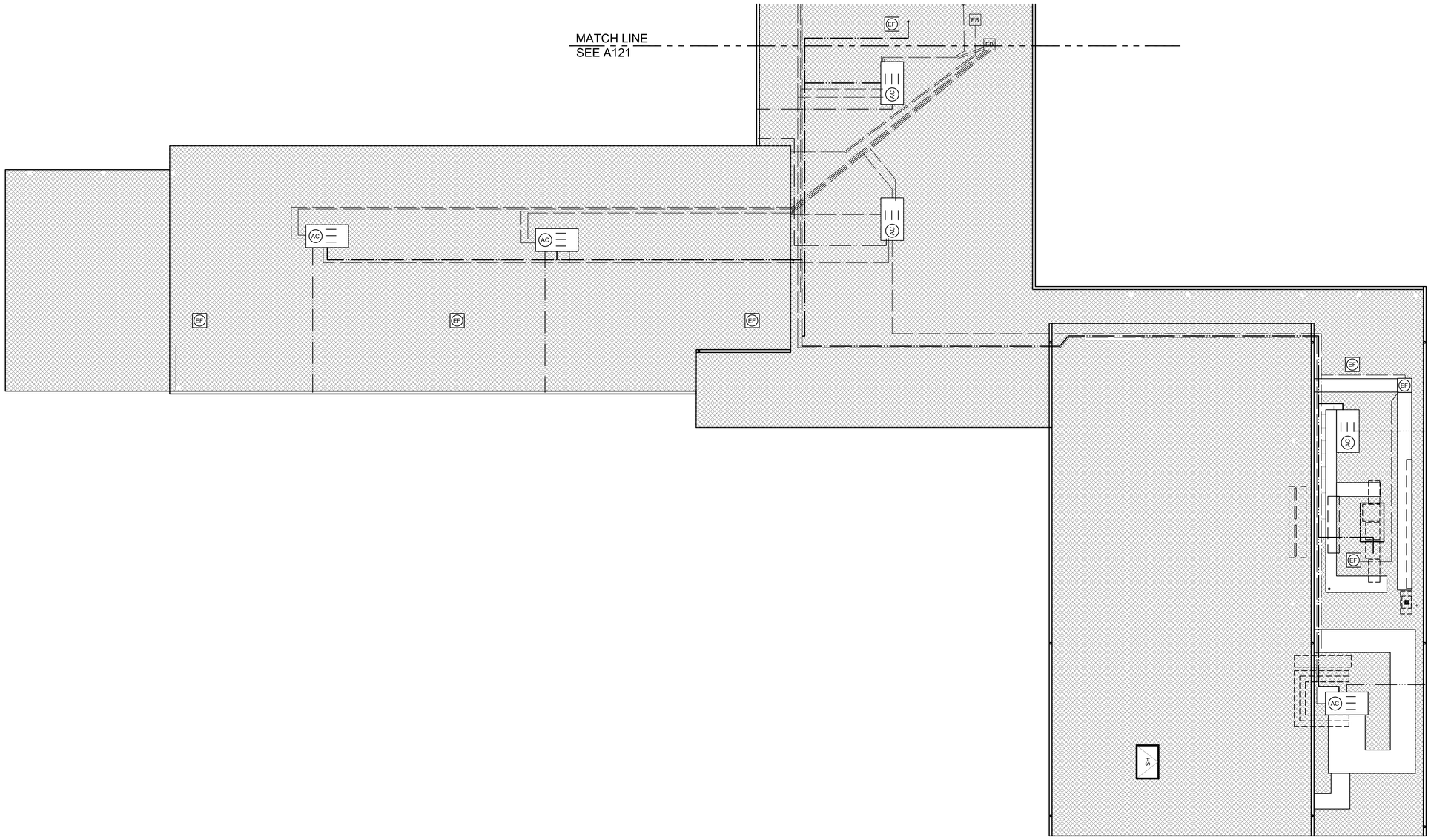
AC EXISTING HVAC UNIT TO REMAIN IN PLACE. EXTEND NEW ROOFING UP VERTICAL FACE OF CURB AND PROVIDE NEW TERMINATION BAR AT TOP OF CURB UNDER COUNTERFLASHING. SEE DETAIL 27/A650. PROVIDE NEW FLEXIBLE WHIPS AT ALL ELECTRICAL/LOW VOLTAGE CONNECTIONS.

GENERAL SHEET NOTES:

1. ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE RE-ROOF WITH THESE SYSTEMS INTACT.
2. AT ALL EXISTING PLUMBING THRU ROOF VENTS(NOT SHOWN) PROVIDE AN PIPE EXTENSION TO RAISE THE OVERALL HEIGHT OF VENT TO MINIMUM 8" ABOVE FINISHED ROOF SURFACE.
3. RIGID INSULATION SHALL BE INSTALLED AT ALL ROOFS THAT ARE OVER CONDITIONED SPACES. AT UNCONDITIONED SPACES, INSTALL ROOFING SYSTEM OVER EXISTING SUBSTRATE. AT TRANSITION FROM CONDITIONED TO UNCONDITIONED, PROVIDE TAPERED INSULATION.
4. PROVIDE NEW FIXED ROOF BLOCKS AT NEW LOCATIONS AS SHOWN ON PLAN.
5. PROVIDE NEW FLOATING BLOCKS (DETAIL 25/A820 SIMILAR) AT ALL EXISTING UTILITIES ON ROOFS INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS, GAS PIPING, MECHANICAL CONDUITS, CONDENSATE LINES, AND ROOF TOP DUCTWORK. 6'-0" MAXIMUM SPACING ALONG RUNS AND 2'-0" MAXIMUM FROM ENDS.
6. PAINT ALL SCREWS PROJECTING THROUGH ROOF DECK AND VISIBLE FROM BELOW. THIS IS TYPICAL FOR INTERIOR SPACES AND EXTERIOR OVERHANGS/CANOPIES.
7. PAINT ALL EXISTING AND NEW FASCIA METAL. PAINT ALL PREVIOUSLY PAINTED MECHANICAL EQUIPMENT, CURBS, CONDUITS AND PIPING.

KEYPLAN:





27 PARTIAL NEW ROOF PLAN

SCALE: 1/8" = 1'-0"

NORTH

DIVISION OF THE STATE ARCHITECT

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REVISIONS

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SHEET TITLE

PARTIAL NEW ROOF PLAN

SHEET NO.

A120

KEYNOTES:

ALL KEYNOTES MAY NOT BE USED.

1. REMOVE EXISTING ROOF SYSTEM DOWN TO ROOF DECK. ROOF IS COMPOSED OF:
   - STANDING SEAM METAL ROOFING OVER
   - 1" THICK POLYSTYRENE INSULATION OVER
   - BUILT-UP ROOFING SYSTEM WITH GRAVEL SURFACING OVER
   - WOOD DECK(STRUCTURE).
2. REMOVE ALL EDGE METAL AROUND FULL PERIMETER OF BUILDING.
3. DEMO EXISTING FASCIA-MOUNTED MINI-GUTTER AND DOWNSPOUT.
4. NOT USED
5. THOROUGHLY CLEAN (E) METAL GUTTERS AND DOWNSPOUTS.
6. NOT USED
7. EXISTING ROOF-TOP DUCTWORK TO REMAIN. PROTECT IN PLACE. REMOVE ALL FLASHING COLLARS AND PREP FOR NEW PER ALTERATION PLAN. PREP ALL DUCTWORK FOR NEW WEATHER PROTECTANT COATING AS CALLED FOR ON ALTERATION PLAN.

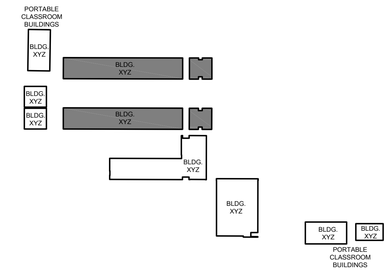
LEGEND:

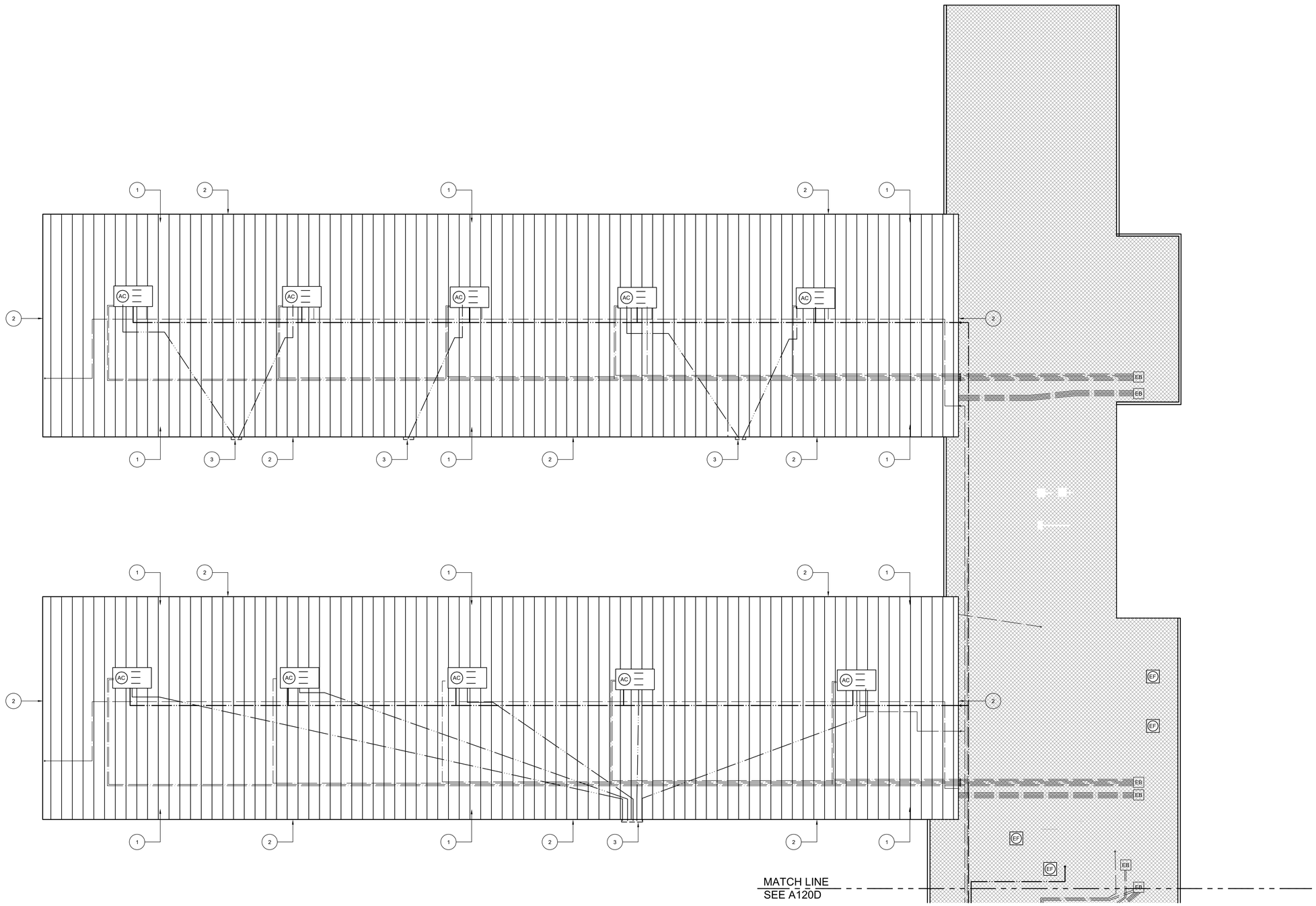
- DEMO EXISTING ROOF SYSTEM. SEE KEYNOTES FOR ADDITIONAL DEMOLITION INFORMATION.
- EXISTING ROOF SYSTEM TO REMAIN IN PLACE. THOROUGHLY CLEAN IN PREPARATION FOR NEW ROOF COATING.
- (E) ELECTRICAL CONDUITS TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE CONDUIT, DIAMETER OF CONDUIT VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE SUPPORTS AS REQUIRED.
- (E) GAS PIPING TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE PIPE, DIAMETER VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUB-STRATE. DETACH FROM (E) ANCHORED PIPE SUPPORTS AS REQ'D.
- EXISTING CONDENSATE PIPING TO BE DEMOLISHED AND REPLACED WITH NEW. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- AC — (E) HVAC UNIT TO REMAIN IN PLACE. UNLESS OTHERWISE NOTED, REMOVE FASTENERS FROM GSM CAP AND REMOVE (E) CLAD METAL AND/OR ROOFING SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. SIZE VARIES. FIELD VERIFY AT EACH LOCATION. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REPLACE WITH NEW. PROVIDE FOR TWO (2) WHIPS PER UNIT.
- EB — EXISTING ELECTRICAL PULL BOX. OPEN, REMOVE FASTENERS, AND CAREFULLY RAISE BOX AS NEEDED TO REMOVE ROOFING SYSTEM BELOW. BOX SIZES VARY. FIELD VERIFY.
- EF — REMOVE (E) EXHAUST FAN AND GSM CAP. DEMO (E) CLAD METAL AND ROOFING SYSTEM FROM (E) CURB. EXTEND NEW ROOFING SYSTEM UP CURB AND INSTALL NEW FLASHING. SIZE VARIES. FIELD VERIFY AT EACH LOCATION. DISCONNECT (E) ELECTRICAL WHERE REQUIRED.
- GC — REMOVE GSM CAP, CLAD METAL, AND ROOFING SYSTEM FROM CURB. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB AND REINSTALL CAP. PROVIDE NEW FLASHINGS. SIZE VARIES PER LOCATION.
- EXISTING ANCHORED ROOF BLOCK TO BE REUSED. UNBOLT UTILITIES FROM BLOCK AND DEMO FLASHING AND SINGLE PLY SYSTEM OVER BLOCK. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- SH — (E) ROOF SMOKE HATCH TO BE PROTECTED IN PLACE DURING RECOATING OF ROOF.

GENERAL SHEET NOTES:

1. MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE REROOF WITH THIS SYSTEMS INTACT.
2. EXISTING SMALL THROUGH ROOF PENETRATIONS AND PLUMBING VENTS NOT SHOWN ON PLAN BUT DO EXIST ON BUILDINGS. REMOVE EXISTING BOOT OR MALLEABLE LEAD SHIELD AND PREP PENETRATION FOR NEW ROOF INSTALL.
3. DEMOLISH ALL EXISTING FLOATING WOOD BLOCKS AND REPLACE WITH NEW PER ALTERATION PLAN.
4. EXISTING FIXED ROOFED-IN SEISMIC BLOCKS ARE TO REMAIN INTACT. REMOVE ROOFING FROM BLOCK AND PROVIDE NEW PER ALTERATION PLAN.
5. REMOVE EXISTING ROOF-MOUNTED AND FASCIA-MOUNTED SECURITY LIGHTING AND SALVAGE TO REINSTALL.

KEYPLAN:





27 PARTIAL DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"

NORTH

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

PARTIAL DEMOLITION ROOF PLAN

SHEET NO.

A121D

KEYNOTES:

ALL KEYNOTES MAY NOT BE USED.

1. NEW BUILT-UP ROOF SYSTEM WHICH CONSIST OF:
   NEW BUILT-UP ROOF OVER,
   NEW COVER BOARD OVER,
   NEW 1" INSULATION OVER,
   EXISTING PLYWOOD SHEATHING.
2. NEW PVC CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT. SEE DETAIL 19/A650.
3. NEW GUTTER. SEE DETAIL 18/A650.
4. NEW DOWNSPOUT. SEE DETAIL 9&10/A650.

LEGEND:

NEW BUILT-UP ROOFING SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.

EXISTING ROOF SYSTEM. PROVIDE NEW ROOF COATING OVER ENTIRE ROOF PER SPEC SECTION 07 01 50.72.

EXISTING ELECTRICAL CONDUIT TO BE RESECURED TO EXISTING ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL CONDUITS.

EXISTING GAS PIPING TO BE RESECURED TO EXISTING ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE. PAINT WITH URETHANE PAINT.

(N) GALVANIZED CONDENSATE PIPING TO BE INSTALLED AND RECON- NECTED TO HVAC UNIT PER DETAIL 28/A651. SEE PLAN FOR ADD'L (N) ADHERED BLOCKS. IN ADDITION, PROVIDE (N) FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE.

N1 NEW ANCHORED ROOF BLOCK. SEE DETAIL 8/A650.

N2 NEW ADHERED ROOF BLOCK. SEE DETAIL 7/A650.

E (E) ANCHORED BLOCK TO BE REUSED. PROVIDE SINGLE PLY ROOF SYSTEM OVER BLOCK AND NEW GSM CAP. RESECURE UTILITIES TO TOP OF BLOCK WITH NEW FASTENERS. SEE DETAIL 5/A820 SIMILAR.

EB EXISTING ELECTRICAL PULL BOX. PROVIDE NEW ANCHORED ROOF BLOCKS RUNNING FULL LENGTH OF EACH SIDE OF BOX. REATTACH EXISTING ELECTRICAL BOX TO NEW ANCHORED BLOCKS. SEAL ALL HOLES IN ELECTRICAL BOX WITH SEALANT.

EF EXISTING EXHAUST FAN. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB. SET FAN BODY IN BED OF SEALANT AND RESECURE TO CURB. RECONNECT WIRING.

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GENERAL SHEET NOTES:

1. ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE RE-ROOF WITH THESE SYSTEMS INTACT.
2. AT ALL EXISTING PLUMBING THRU ROOF VENTS(NOT SHOWN) PROVIDE AN PIPE EXTENSION TO RAISE THE OVERALL HEIGHT OF VENT TO MINIMUM 8" ABOVE FINISHED ROOF SURFACE.
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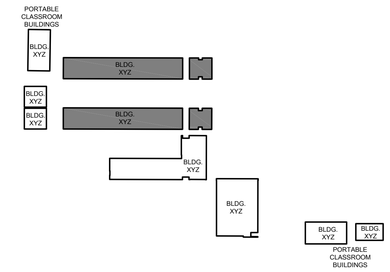
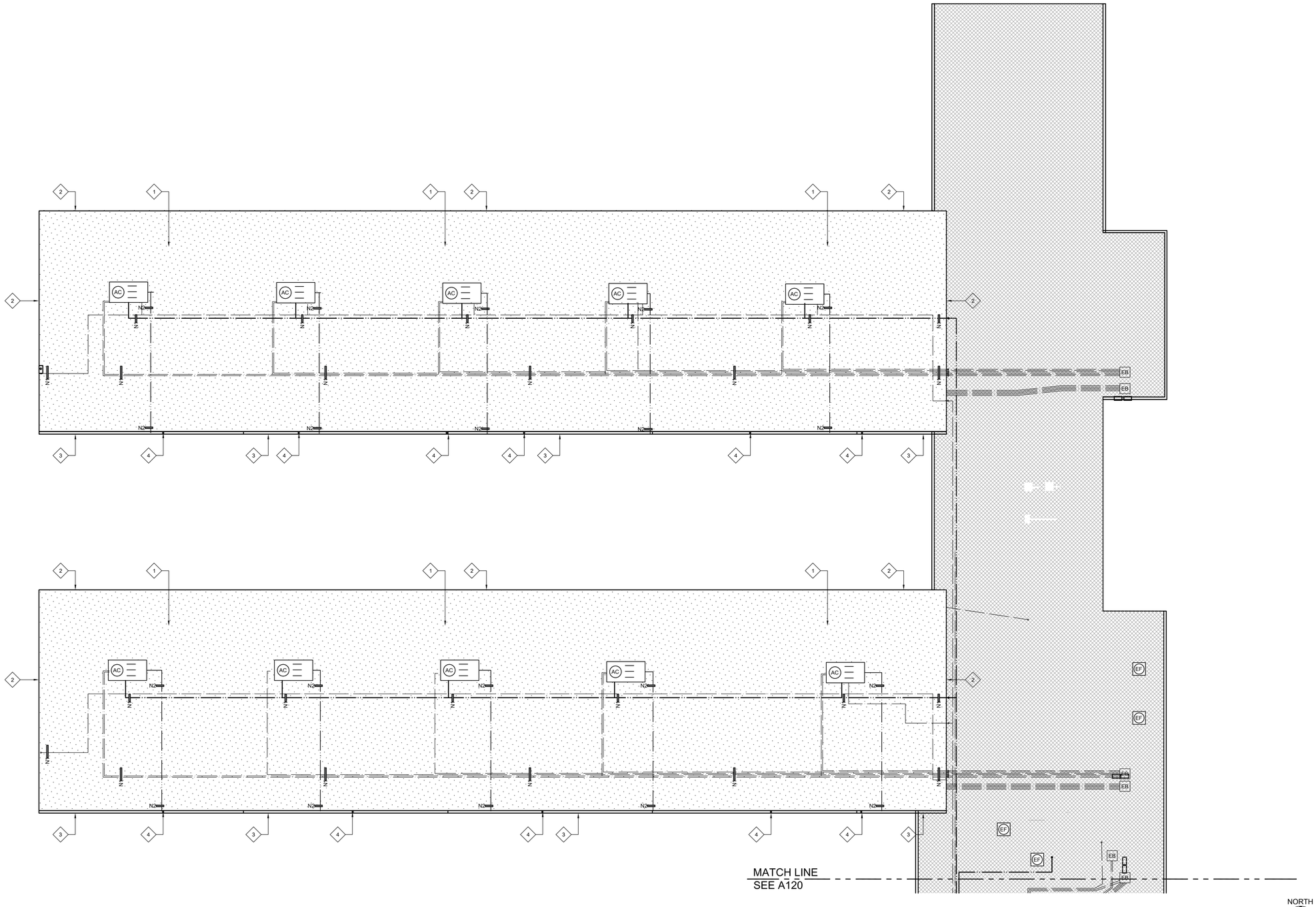
7. PAINT ALL EXISTING AND NEW FASCIA METAL. PAINT ALL PREVIOUSLY PAINTED MECHANICAL EQUIPMENT, CURBS, CONDUITS AND PIPING.

KEYPLAN:





27 PARTIAL NEW ROOF PLAN

SCALE: 1/8" = 1'-0"

NORTH

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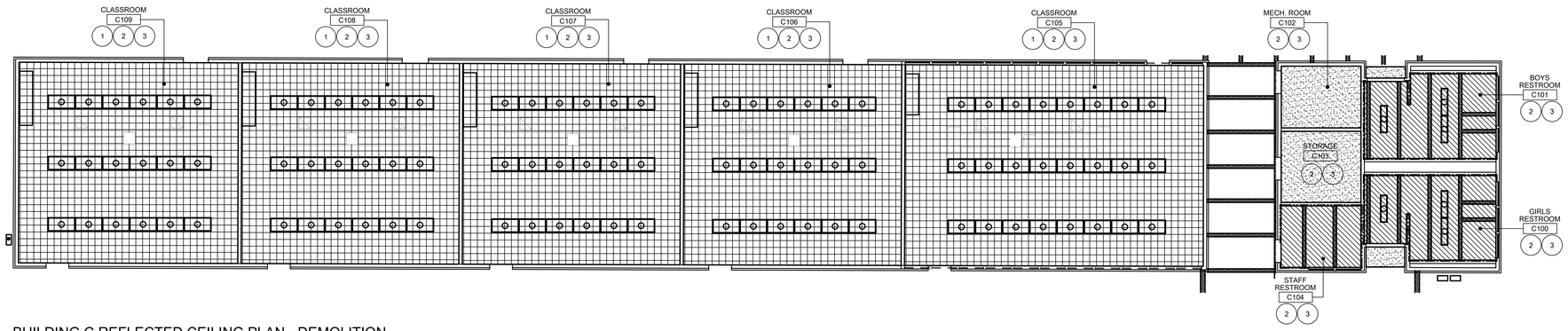
SHEET TITLE

PARTIAL NEW ROOF PLAN

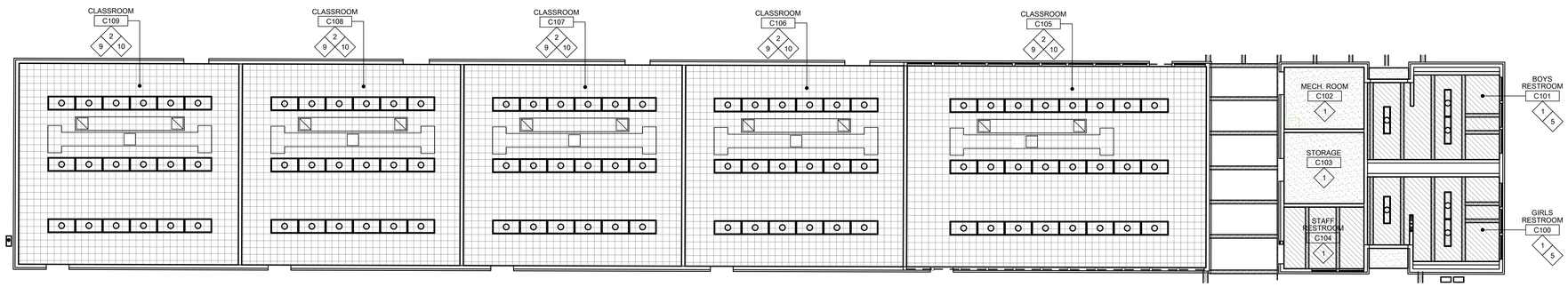
SHEET NO.

A121



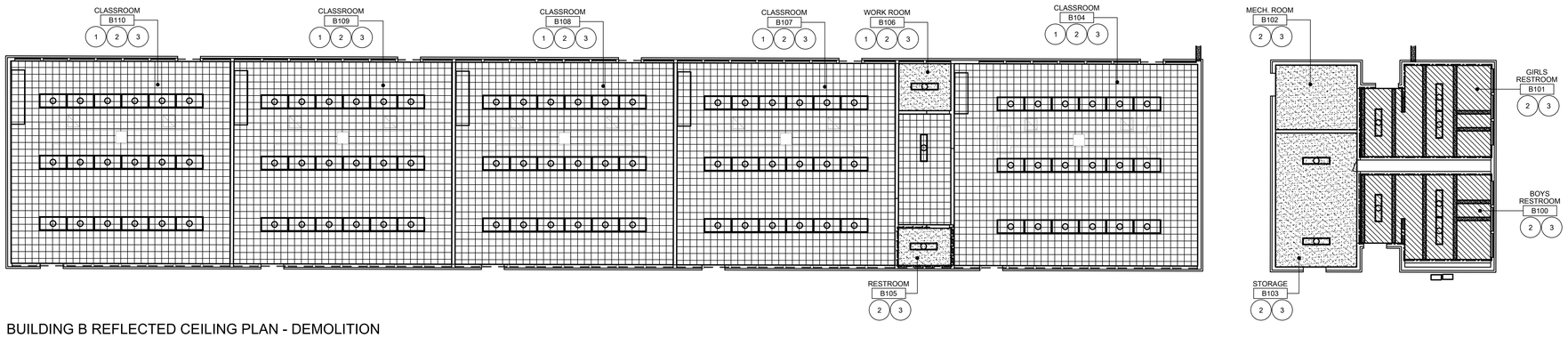
29 BUILDING C REFLECTED CEILING PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



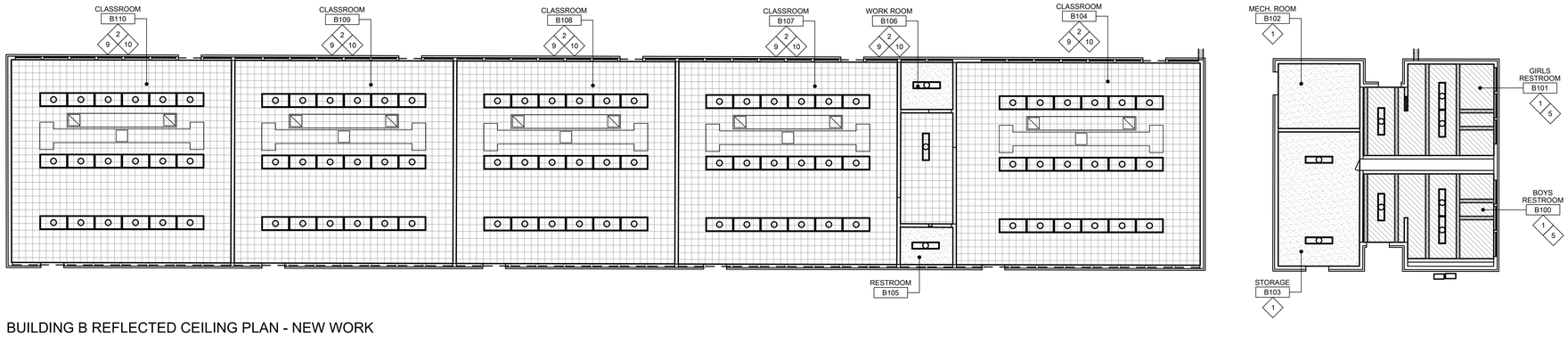
28 BUILDING C REFLECTED CEILING PLAN - NEW WORK

SCALE: 1/8" = 1'-0"



27 BUILDING B REFLECTED CEILING PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



26 BUILDING B REFLECTED CEILING PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. NOT ALL CEILING ELEMENTS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE CEILING ELEMENTS SHOWN ON MECHANICAL, PLUMBING AND ELECTRICAL SHEETS WITH ELEMENTS SHOWN HERE.
2. COORDINATE THE REMOVAL AND REINSTALLATION OF ALL CEILING MOUNTED LIGHTS, VENTS AND GRILLES PRIOR TO PAINTING.
3. REPLACE DAMAGED AND STAINED CEILING TILES PRIOR TO PAINTING. QUANTITY IDENTIFIED IN NEW WORK KEYNOTES.
4. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. WHERE CEILING IS TO BE PAINTED, REMOVE BROKEN AND DAMAGED CEILING TILES AND PATCH AND REPAIR DAMAGED AREAS IN HARD LID CEILINGS PRIOR TO PAINTING.
5. REMOVE OR PROTECT CEILING MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING. IN AREAS NOTED, CLEAN OR REPLACE LIGHT LENS COVERS.

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. REMOVE CURTAINS TO PERFORM NEW WORK.
2. REMOVE ALL CEILING MOUNTED A/V EQUIPMENT, SMOKE DETECTORS, WIRELESS ACCESS POINTS, ETC. TO PERFORM NEW WORK. REINSTALL IN ORIGINAL LOCATION UNLESS OTHERWISE NOTED.
3. PROTECT CEILING-MOUNTED LIGHT FIXTURES IN PLACE TO PERFORM NEW WORK. REPLACE ALL BROKEN/CRACKED LIGHT COVERS - INCLUDE PRICING FOR ONE NEW REPLACEMENT LENSES/LIGHT COVER PER ROOM.
4. DEMO ALL EXISTING BLINDS AND HARDWARE. PREPARE WINDOW OPENING FOR NEW BLINDS.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. PRIME AND PAINT (E) GYPSUM CEILING/SOFFIT.
2. PRIME AND PAINT (E) 12"x12" APPLIED CEILING TILE. REPLACE BROKEN OR STAINED TILES TO BEST MATCH (E). INCLUDE PRICING FOR 20 NEW CEILING TILES PER ROOM.
3. REPLACE BROKEN OR STAINED 2'x4' LAY-IN ACOUSTICAL CEILING TILES TO BEST MATCH EXISTING. INCLUDE PRICING FOR 10 NEW CEILING TILES PER ROOM.
4. REPLACE BROKEN OR STAINED 2'x2' LAY-IN ACOUSTICAL CEILING TILES TO BEST MATCH EXISTING. INCLUDE PRICING FOR 10 NEW CEILING TILES PER ROOM.
5. EXISTING PAINTED WOOD RAFTERS. PRIME AND PAINT ON ALL THREE EXPOSED SIDES.
6. EXISTING SEALED WOOD RAFTERS. SAND SEAL COAT AND RESEAL ON ALL THREE EXPOSED SIDES.
7. PAINT VERTICAL FACES OF SOFFITS, SKYLIGHTS, AND CLEARSTORY WINDOWS AS PART OF CEILING PAINT SCOPE.
8. (E) SLOPED/ HIGH-BAY CEILING.
9. REPLACE BROKEN OR CRACKED LIGHT LENS COVERS.
10. PRIME AND PAINT EXISTING MECHANICAL DUCTS. PROTECT DUCTS FROM PAINT OVERSPRAY ENTERING DUCTS.
11. PRIME AND PAINT EXPOSED METAL DECK CEILING AND UNDERSIDE OF CANOPY, CANOPY FASCIAS, BEAMS, COLUMNS, SUPPORTS, CONDUIT, AND TRUSSES.
12. DEMO EXISTING CURTAIN AND CURTAIN HARDWARE AND REPLACE WITH NEW. CURTAIN TRACKS TO REMAIN. PROTECT IN PLACE AND DO NOT PAINT TRACK.
13. PRIME AND PAINT UNDERSIDE OF EXISTING EXTERIOR PLASTER OVERHANGS. PROTECT EXTERIOR MOUNTED LIGHTS AND FIXTURES FROM PAINT OVERSPRAY. PRIME AND PAINT CONDUITS AT THESE OVERHANGS TO MATCH ADJACENT.
14. PRIME AND PAINT EXISTING EXTERIOR COLUMNS AND DOWNSPOUTS WHERE APPLICABLE. PROTECT CONCRETE AND OTHER SURFACES FROM OVERSPRAY.
15. PRIME AND PAINT EXISTING CEILING MOUNTED ACOUSTIC PANELS.

LEGEND:

- (E) 2X4 TBAR CEILING TO BE PAINTED. REPLACE STAINED OR DAMAGED TILES.
- (E) 1X1 GLUE-ON ACOUSTIC TILES. REPLACE DAMAGED CEILING TILES PRIOR TO PAINTING.
- (E) HARD-LID CEILING. PATCH DAMAGED AREAS PRIOR TO PAINTING.
- (E) EXPOSED METAL DECK CEILING OR UNDERSIDE OF EXTERIOR CANOPY. MASK OFF ANY LIGHT FIXTURES AND PRIME AND PAINT. PAINT EXPOSED CONDUIT TO MATCH COLOR OF METAL DECK.
- (E) CEILING-MOUNTED LIGHTS - SEE ELECTRICAL DRAWINGS FOR NEW AND RELOCATED LIGHTS. PROTECT EXISTING LIGHTS THROUGHOUT CONSTRUCTION.
- (E) MECHANICAL GRILLES, VENTS, REGISTERS. PROTECT IN PLACE THROUGHOUT CONSTRUCTION AND PROTECT FROM PAINT WHERE CEILINGS ARE BEING PAINTED.
- (E) CEILING ACCESS DOOR TO REMAIN - REPAINT TO MATCH CEILING WHERE CEILING IS BEING PAINTED.
- (E) CEILING MOUNTED ILLUMINATED EXIT SIGN. PROTECT IN PLACE THROUGHOUT CONSTRUCTION AND PROTECT FROM PAINT WHERE CEILINGS ARE BEING PAINTED.
- (E) WALL MOUNTED ILLUMINATED EXIT SIGN. PROTECT PROTECT FROM NEW WALL PAINT.

KEYPLAN:

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

CONSULTANT

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

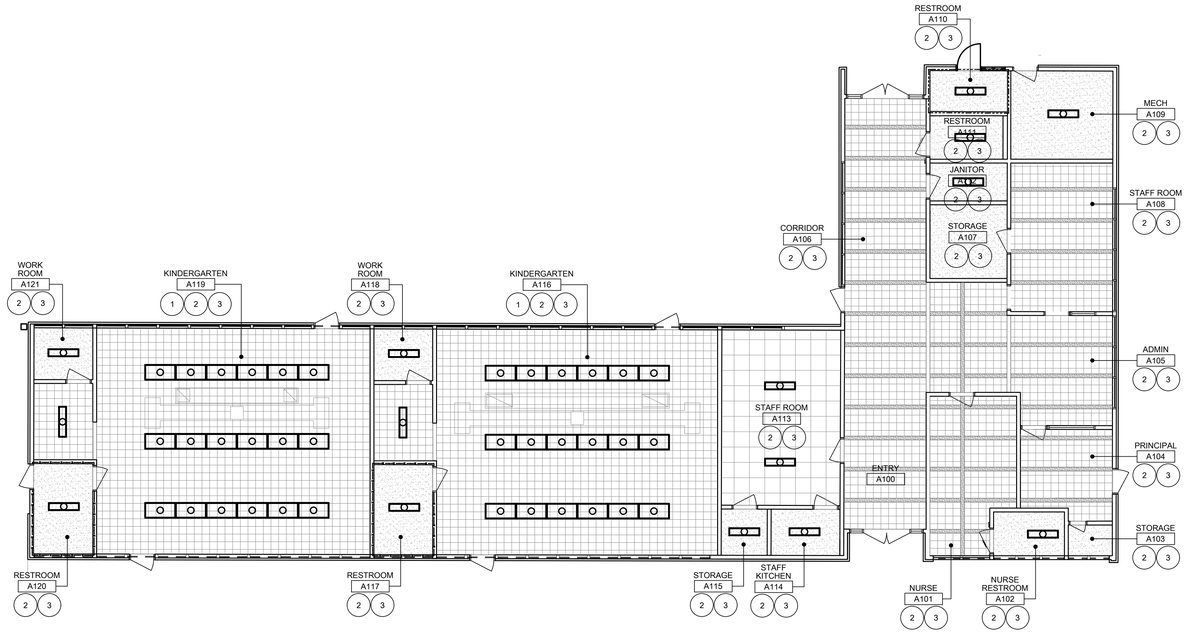
JOB NO.: Y2421.00

SHEET TITLE

REFLECTED CEILING PLAN - BLDG B & C

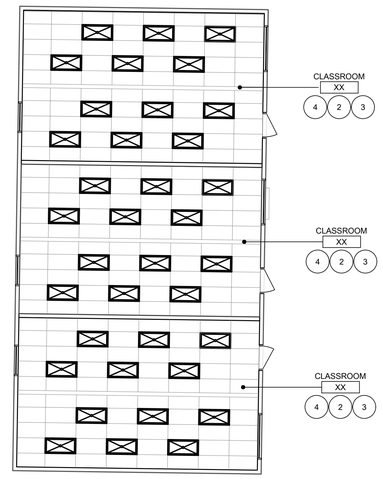
SHEET NO.

A210



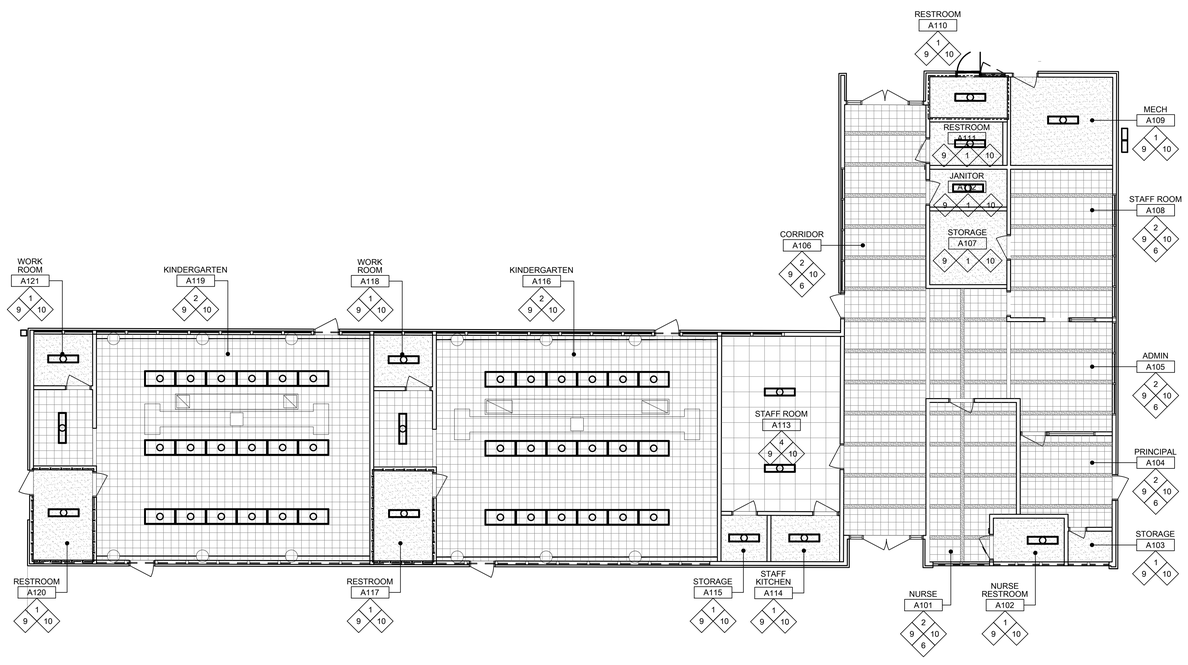
28 BUILDING A REFLECTED CEILING PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



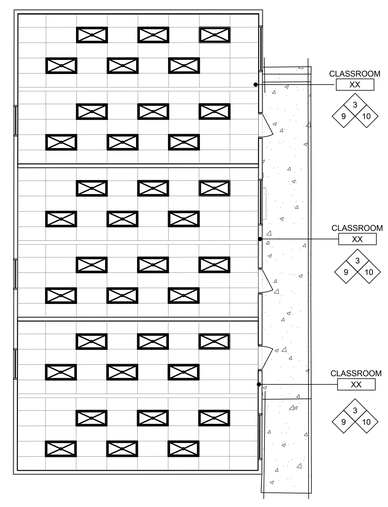
13 BUILDING H REFLECTED CEILING PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



26 BUILDING A REFLECTED CEILING PLAN - NEW WORK

SCALE: 1/8" = 1'-0"



11 BUILDING H REFLECTED CEILING PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. NOT ALL CEILING ELEMENTS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE CEILING ELEMENTS SHOWN ON MECHANICAL, PLUMBING AND ELECTRICAL SHEETS WITH ELEMENTS SHOWN HERE.
2. COORDINATE THE REMOVAL AND REINSTALLATION OF ALL CEILING MOUNTED LIGHTS, VENTS AND GRILLES PRIOR TO PAINTING.
3. REPLACE DAMAGED AND STAINED CEILING TILES PRIOR TO PAINTING. QUANTITY IDENTIFIED IN NEW WORK KEYNOTES.
4. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. WHERE CEILING IS TO BE PAINTED, REMOVE BROKEN AND DAMAGED CEILING TILES AND PATCH AND REPAIR DAMAGED AREAS IN HARD LID CEILINGS PRIOR TO PAINTING.
5. REMOVE OR PROTECT CEILING MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING. IN AREAS NOTED, CLEAN OR REPLACE LIGHT LENS COVERS.

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

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2. REMOVE ALL CEILING MOUNTED A/V EQUIPMENT, SMOKE DETECTORS, WIRELESS ACCESS POINTS, ETC. TO PERFORM NEW WORK. REINSTALL IN ORIGINAL LOCATION UNLESS OTHERWISE NOTED.
3. PROTECT CEILING-MOUNTED LIGHT FIXTURES IN PLACE TO PERFORM NEW WORK. REPLACE ALL BROKEN/CRACKED LIGHT COVERS - INCLUDE PRICING FOR ONE NEW REPLACEMENT LENSES/LIGHT COVER PER ROOM.
4. DEMO ALL EXISTING BLINDS AND HARDWARE. PREPARE WINDOW OPENING FOR NEW BLINDS.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. PRIME AND PAINT (E) GYPSUM CEILING/SOFFIT.
2. PRIME AND PAINT (E) 12"x12" APPLIED CEILING TILE. REPLACE BROKEN OR STAINED TILES TO BEST MATCH (E). INCLUDE PRICING FOR 20 NEW CEILING TILES PER ROOM.
3. REPLACE BROKEN OR STAINED 2'x4' LAY-IN ACOUSTICAL CEILING TILES TO BEST MATCH EXISTING. INCLUDE PRICING FOR 10 NEW CEILING TILES PER ROOM.
4. REPLACE BROKEN OR STAINED 2'x2' LAY-IN ACOUSTICAL CEILING TILES TO BEST MATCH EXISTING. INCLUDE PRICING FOR 10 NEW CEILING TILES PER ROOM.
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6. EXISTING SEALED WOOD RAFTERS. SAND SEAL COAT AND RESEAL ON ALL THREE EXPOSED SIDES.
7. PAINT VERTICAL FACES OF SOFFITS, SKYLIGHTS, AND CLEARSTORY WINDOWS AS PART OF CEILING PAINT SCOPE.
8. (E) SLOPED/ HIGH-BAY CEILING.
9. REPLACE BROKEN OR CRACKED LIGHT LENS COVERS.
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12. DEMO EXISTING CURTAIN AND CURTAIN HARDWARE AND REPLACE WITH NEW. CURTAIN TRACKS TO REMAIN. PROTECT IN PLACE AND DO NOT PAINT TRACK.
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14. PRIME AND PAINT EXISTING EXTERIOR COLUMNS AND DOWNSPOUTS WHERE APPLICABLE. PROTECT CONCRETE AND OTHER SURFACES FROM OVERSPRAY.
15. PRIME AND PAINT EXISTING CEILING MOUNTED ACOUSTIC PANELS.

LEGEND:

- (E) 2X4 TBAR CEILING TO BE PAINTED. REPLACE STAINED OR DAMAGED TILES.
- (E) 1X1 GLUE-ON ACOUSTIC TILES. REPLACE DAMAGED CEILING TILES PRIOR TO PAINTING.
- (E) HARD-LID CEILING. PATCH DAMAGED AREAS PRIOR TO PAINTING.
- (E) EXPOSED METAL DECK CEILING OR UNDERSIDE OF EXTERIOR CANOPY. MASK OFF ANY LIGHT FIXTURES AND PRIME AND PAINT. PAINT EXPOSED CONDUIT TO MATCH COLOR OF METAL DECK.
- (E) CEILING-MOUNTED LIGHTS - SEE ELECTRICAL DRAWINGS FOR NEW AND RELOCATED LIGHTS. PROTECT EXISTING LIGHTS THROUGHOUT CONSTRUCTION.
- (E) MECHANICAL GRILLES, VENTS, REGISTERS. PROTECT IN PLACE THROUGHOUT CONSTRUCTION AND PROTECT FROM PAINT WHERE CEILINGS ARE BEING PAINTED.
- (E) CEILING ACCESS DOOR TO REMAIN - REPAINT TO MATCH CEILING WHERE CEILING IS BEING PAINTED.
- (E) CEILING MOUNTED ILLUMINATED EXIT SIGN. PROTECT IN PLACE THROUGHOUT CONSTRUCTION AND PROTECT FROM PAINT WHERE CEILINGS ARE BEING PAINTED.
- (E) WALL MOUNTED ILLUMINATED EXIT SIGN. PROTECT PROTECT FROM NEW WALL PAINT.

KEYPLAN:

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www.nachtlewis.com
916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

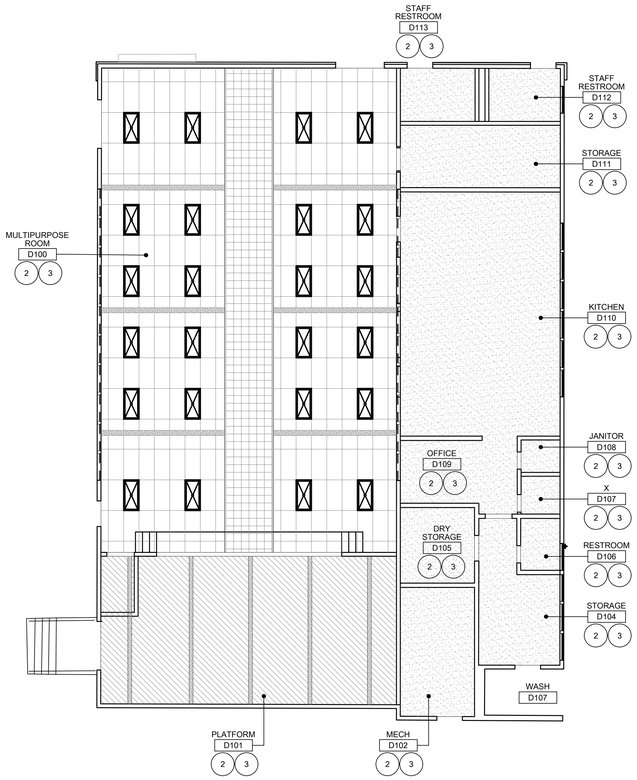
JOB NO.: Y2421.00

SHEET TITLE

REFLECTED CEILING PLAN - BLDG A & H

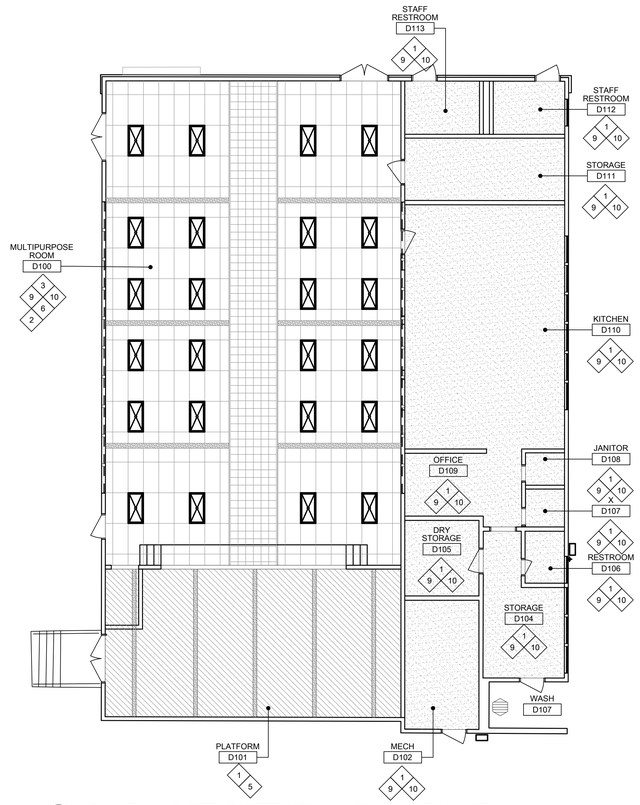
SHEET NO.

A211



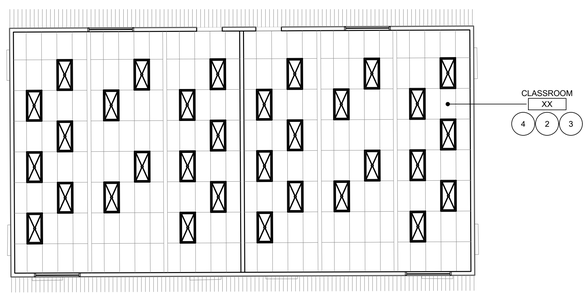
28 BUILDING D REFLECTED CEILING PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



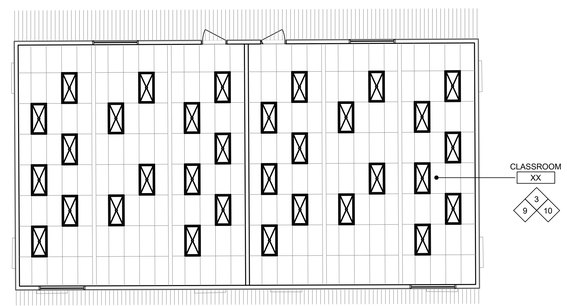
13 BUILDING D REFLECTED CEILING PLAN - NEW WORK

SCALE: 1/8" = 1'-0"



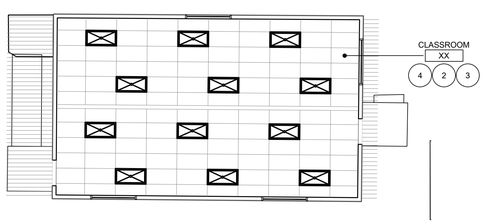
27 BUILDING E REFLECTED CEILING PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



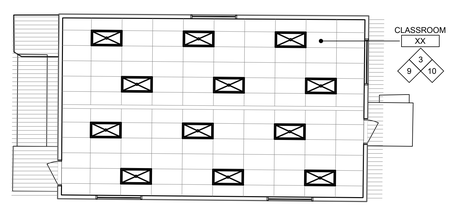
12 BUILDING E REFLECTED CEILING PLAN - NEW WORK

SCALE: 1/8" = 1'-0"



26 BUILDING D REFLECTED CEILING PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"



11 BUILDING F REFLECTED CEILING PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. SEE PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR SCOPE OF WORK NOT SHOWN ON THIS SHEET.
2. PATCH AND REPAIR ALL SURFACES AND SUBSTRATES DAMAGED BY THE EXECUTION OF THE NEW WORK, TO AN ACCEPTABLE FINISHED CONDITION MATCHING ADJACENT SURFACES/FINISHES, AS REQUIRED.
3. CONTRACTOR SHALL COORDINATE EXISTING UTILITIES PRIOR TO EXECUTING DEMOLITION AND NEW WORK. SEE CIVIL DRAWINGS FOR LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES PRIOR TO CONSTRUCTION. HAND DIGGING WILL BE REQUIRED IN CONGESTED AREAS.
4. SEE PAINT LAYOUT SHEETS A800-A802 FOR PAINT COLORS AND ACCENT WALLS.
5. CLEAN, PRIME AND PREPARE ALL SURFACES RECEIVING PAINT. REMOVE OR PROTECT WALL MOUNTED EQUIPMENT IN PLACE PRIOR TO PAINTING.
6. WHERE NEW SIGNS ARE INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING ROOM ID SIGNS AND PROVIDE NEW AS INDICATED. SEE DETAILXXXX.
7. ALL NEW DOORS TO COMPLY WITH REQUIREMENTS OF PANIC HARDWARE AND RATING, TYPICAL ALL FLOOR PLANS.
8. FOR ALL TOILET ROOMS SCOPE OF WORK SEE SHEET A521.

DEMOLITION KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING FLOORING FINISH AND EXISTING BASE. PREP CONCRETE TO RECEIVE NEW FLOORING PER ALTERATION PLAN.
2. DEMO PORTION OF EXISTING CASEWORK. REMOVE BRACKETS, SUPPORTS AND PATCH WALL PRIOR TO NEW WORK. REMOVE ANY CASEWORK DOORS, HINGES, AND OTHER MISCELLANEOUS HARDWARE. PATCH, REPAIR AND REPAINT WALL AS NECESSARY BEFORE INSTALLING NEW CASEWORK.
3. EXISTING MARKER BOARDS TO REMAIN. MASK AND PROTECT IN PLACE DURING ALTERATION WORK.
4. EXISTING CASEWORK TO REMAIN. PROTECT IN PLACE DURING ALTERATION WORK. PREPARE TO RECEIVE NEW PAINT.
5. DEMO EXISTING FRP WINDOW PANEL. PROTECT ALUMINUM WINDOW FRAME.
6.
7.
8.

NEW WORK KEYNOTES:

KEYNOTES TYPICAL TO ALL SHEETS.
ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. PRIME AND PAINT WALLS, CEILING, DUCTWORK, AND EXISTING CONDUIT RACETRACKS. REINSTALL PREVIOUSLY REMOVED WALL AND CEILING EQUIPMENT.
2. PRIME AND PAINT DOOR AND DOOR FRAME. REMOVE WINDOW COVERINGS AND MASK AROUND GLASS WHERE APPLICABLE.
3. EXISTING STAINED WOOD DOOR. SAND DOWN TOP LAYER AND RESEAL.
4. NEW FLOORING AND RUBBER BASE. PROVIDE TRANSITION STRIPS BETWEEN FLOORING CHANGES AND BETWEEN NEW AND EXISTING FLOORING.
5. NEW CASEWORK WITH SINK PER XXXXXX. NEW SOAP DISPENSER AND NEW TOWEL DISPENSER ABOVE. MOUNTING HEIGHTS PER XXXXXX.
6. PRIME AND PAINT EXISTING CASEWORK AND OPEN SHELVING IN PLACE. PAINT BOTH SIDES OF CASEWORK DOORS AND INSIDE SHELVES.
7. NEW FIRE EXTINGUISHER.
8. NEW ASSISTIVE LISTENING DEVICE SIGN, SEE DETAIL 28/A640
9. NEW OCCUPANCY LOAD SIGN MOUNTED AT 8'-0" A.F.F., ABOVE DOOR (U.N.O.) THE NUMBER OF OCCUPANTS IS IDENTIFIED ON PLANS. SEE DETAIL 27/A640.
10. NEW METAL INFILL PANEL.
11. NEW EXTERIOR ROOM ID SIGN, SEE DETAIL XXXX. SEE DOOR SCHEDULE ON XX.X
12. CLEAN EXISTING WINDOWS ON INTERIOR AND EXTERIOR SIDE.
13. NEW DOOR THRESHOLD PER DETAIL XXXXXX

LEGEND:

DEMO EXISTING CARPET	NEW CARPET
DEMO EXISTING VCT	NEW LVT
DEMO TILE FLOORING	NEW WALK OFF MATT
DEMO XXXXX	NEW EPOXY FLOORING SYSTEM
EXISTING CONCRETE FLOORING	NEW EPOXY FLOORING SYSTEM
(E)SFE — (E) FIRE EXTINGUISHER - REMOVE TO PERFORM ALTERATION WORK AND REINSTALL	SFE — (N) FIRE EXTINGUISHER - PORTABLE, SURFACE MOUNTED
(E) DOOR TO REMAIN - SEE DOOR SCHEDULE ON SHEET XXXXX FOR PAINT SCOPE.	NEW DOOR AND FRAME. - SEE DOOR SCHEDULE ON SHEET AXXXX.

KEYPLAN:

DIVISION OF THE STATE ARCHITECT

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

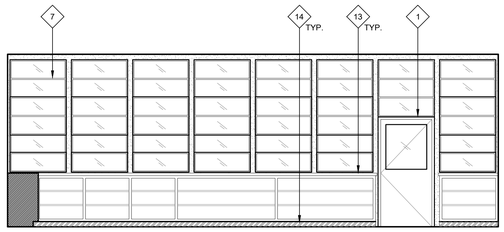
JOB NO.: Y2421.00

SHEET TITLE

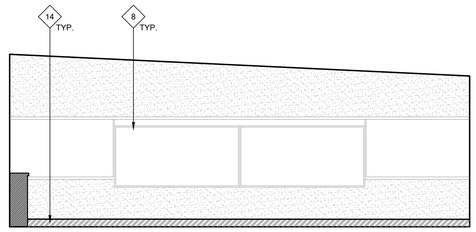
REFLECTED CEILING PLAN - BLDG D, E, & F

SHEET NO.

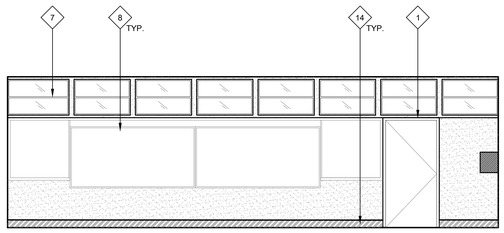
A212



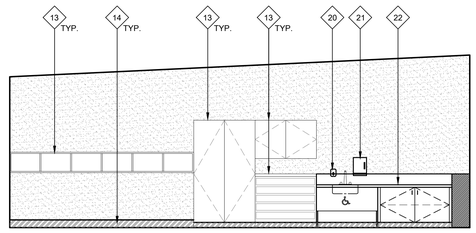
NORTH



EAST



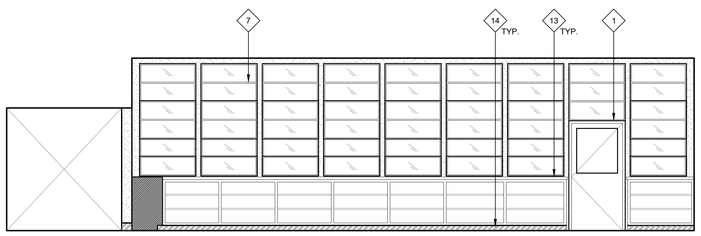
SOUTH



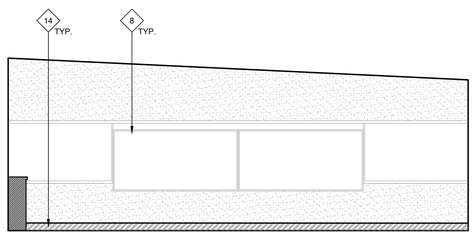
WEST

29 TYPICAL CLASSROOM INTERIOR ELEVATION

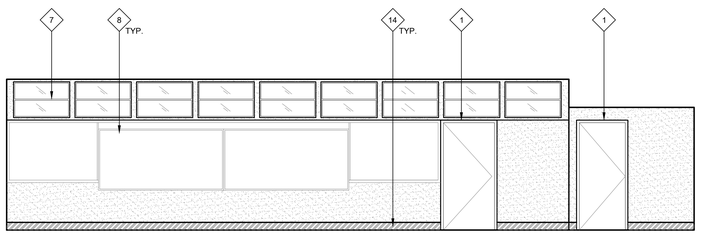
SCALE: 1/4" = 1'-0"



NORTH



EAST



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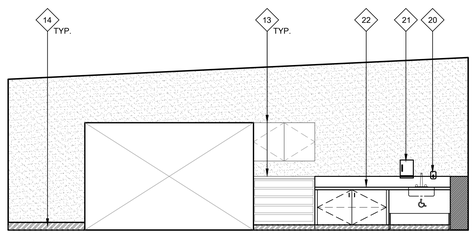

WEST

27 TYPICAL KINDERGARTEN CLASSROOM INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. THOROUGHLY CLEAN ALL SURFACES RECEIVING NEW PAINT. PREPARE ALL SURFACES, I.E., FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE AND SCRAPE AND SAND ALL LOOSE AND PEELING PAINT. SEE SPECIFICATIONS FOR ADDITIONAL SURFACE PREP INSTRUCTIONS AND INFORMATION. PRIME ALL SURFACES RECEIVING PAINT - USE APPROPRIATE PRIMER AT EACH SUBSTRATE. CONTRACTOR TO PROVIDE (2) MAIN BODY COLORS, (4) ACCENT COLORS, (1) DOOR COLOR, AND (1) TRIM COLOR. SOME COLORS MAY REQUIRE DIFFERENT SHEEN OPTIONS AT DIFFERENT SUBSTRATES. SEE FINISH PLAN FOR COLOR LOCATIONS. CONTRACTOR IS RESPONSIBLE TO CLEAN ALL PAINT OVER-SPRAY.
2. PAINT ALL EXISTING INTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTIONS FOR ADDITIONAL SCOPE INFORMATION):
   - WALLS, (INCLUDING CONCRETE WALLS, PLASTER, GYP. BOARD, SUBSTRATES)
   - WALL AND DOOR LOUVERS
   - WINDOW FRAMES
   - ALL SURFACES OF DOORS AND DOOR FRAMES
   - DOOR MULLIONS AT PAIR DOORS
   - PAINTED INFILL PANELS AT WINDOW LOCATIONS
   - MISCELLANEOUS TRIM AND MOLDINGS
   - RELIEF AIR VENTS, EXHAUST FANS AND OTHER MECH. ITEMS EXPOSED TO VIEW
   - HANDRAILS AND GUARDRAILS
   - OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS
   - WALL-MOUNTED CONDUIT AND PIPING
   - IN SOME AREAS, VINYL WALL COVERING
   - ACOUSTIC CEILING TILES
   - ACOUSTIC WALL TILES
   - STRUCTURAL TRUSSES AND EXPOSED FRAMING
   - WOOD SUBSTRATE WALLS
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PAINTING.
4. PAINT ALL CONDUIT TO MATCH ADJACENT SURFACE COLOR U.O.N. WITH A COMPATIBLE VINYL PAINT PER SPECIFICATIONS. NOT ALL INDIVIDUAL CONDUIT LINES MAY BE SHOWN ON ELEVATIONS. FIELD VERIFY PRIOR TO PAINTING.
5. REMOVE EXISTING WALL SIGNAGE AND ROOM IDENTIFICATION SIGNAGE, ALL DECAL SIGNAGE (FIRE EXTINGUISHER LOCATION LABELS) AND OTHER SIGNAGE FROM DOORS OR WALLS TO BE PAINTED. SAND PAINTED DOOR IDENTIFICATION LABELS SMOOTH, PRIME AND PAINT. INSTALL NEW SIGNAGE.
6. DO NOT PAINT EXISTING FACTORY FINISHED MATERIALS U.O.N. INCLUDING; FIRE ALARM STROBE / HORNS, LIGHT FIXTURE BODIES & LENSES, BELLS, SPEAKERS, ETC.. EXISTING CAGES AROUND THESE ITEMS, WHERE OCCUR, SHALL BE REMOVED, PREPARED, PAINTED AND REINSTALLED.
7. CAREFULLY MASK ALL DOOR HARDWARE NOT BEING REMOVED. ANY NEW PAINT FOUND ON DOOR HARDWARE WILL REQUIRE THE CONTRACTOR TO REMOVE THE HARDWARE COMPONENTS, CLEAN AND REINSTALL AT NO ADDITIONAL COST TO THE OWNER. DO NOT PAINT CLEAR ANODIZED ALUMINUM HINGES AT DOORS.

NEW WORK KEYNOTES:

TYPICAL TO ALL EXTERIOR ELEVATION SHEETS. NOT ALL MAY BE USED ON THIS SHEET.

1. PRIME AND PAINT DOOR/DOOR FRAME- CONTRACTOR TO PROVIDE ALLOWANCE FOR (2) COLORS AT EACH DOOR/DOOR FRAME (INSIDE COLOR AND OUTSIDE COLOR). PRIME AND PAINT INTERMEDIATE MULLION WHERE OCCURS. MASK AROUND HARDWARE. ONLY REMOVE HARDWARE WHERE NECESSARY. REMOVE EXISTING WEATHER STRIPPING AND REPLACE WITH NEW AT ALL DOORS.
2. PRIME AND PAINT EXISTING TRIM.
3. PRIME AND PAINT ALL EXISTING EXPOSED CONDUIT RACETRACKS TO MATCH ADJACENT WALL.
4. PRIME AND PAINT WINDOW FRAME.
5. (E) DRINKING FOUNTAIN TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. PRIME AND PAINT EXISTING GUARDAILS.
6. REMOVE ALL INTERIOR ROOM IDENTIFICATION SIGNS PRIOR TO PAINTING . INSTALL (N) ROOM IDENTIFICATION SIGN. SEE DETAILS ON A660 FOR MOUNTING LOCATION AND FOR MOUNTING AT DIFFERENT SUBSTRATES.
7. CLEAN EXISTING ALUMINUM WINDOW FRAMES. DO NOT PAINT.
8. (E) MARKERBOARD TO REMAIN - MASK AND PROTECT IN PLACE.
9. PRIME AND PAINT EXISTING WINDOW INFILL PANELS.
10. DEMO (E) INFILL PANELS AND INSTALL NEW COMPOSITE PANEL. SEE SPECS.
11. EXISTING ELECTRICAL EQUIPMENT. DO NOT PAINT. PROTECT IN PLACE.
12. PRIME AND PAINT EXISTING ACOUSTIC WALL TILE. REPLACE DAMAGED TILES.
13. EXISTING PAINTED WOOD SHELVING UNIT OR CABINET. PRIME AND PAINT ALL EXPOSED SIDES OF UNIT INCLUDING INSIDE OF CABINETS. COLOR TBD.
14. REMOVE EXISTING WOOD OR RUBBER FLOOR BASE, NAILS AND/OR GLUE AND SCRAPE CLEAN AND SMOOTH AND INSTALL NEW 6" RUBBER BASE.
15. SAND DOWN ALL WOOD STORAGE AND SHELVING UNITS. REFINISH WITH A WOOD SEALER PER SPEC SECTION 09 91 00.
16. REMOVE ALL EXISTING CURTAINS AND CURTAIN HARDWARE AS REQUIRED TO PERFORM SCOPE. PROTECT CURTAIN TRACKS IN PLACE AND KEEP FREE OF DEBRIS AND PAINT. REINSTALL CURTAINS IN SAME LOCATION. REPLACE ALL BROKEN CURTAIN HANGERS. PROVIDE ALLOWANCE FOR (8) NEW CURTAIN HANGERS PER ROOM.
17. DEMO EXISTING MINI-BLINDS. FIELD VERIFY DIMENSIONS AND INSTALL NEW MINI-BLINDS. SEE SPECS.
18. PRIME AND PAINT EXISTING EXPOSED TRUSSES. INCLUDE PRICING FOR ACCENT COLOR AT TRUSSES.
19. PRIME AND PAINT EXISTING HANDRAILS.
20. NEW SOAP DISPENSER. SEE 11/A553 FOR MOUNTING HEIGHT.
21. NEW PAPER TOWEL DISPENSER. SEE 11/A553 FOR MOUNTING HEIGHT.
22. NEW CASEWORK UNIT WITH SINK. DO NOT PAINT. SEE A660 FOR CASEWORK ANCHORAGE DETAILS.

LEGEND:

LEGEND TYPICAL TO ALL EXTERIOR ELEVATION SHEETS.
ALL HATCHES MAY NOT BE USED ON THIS SHEET.

- (E) GYP OR PLASTER WALL SURFACE. PRIME AND PAINT. PROTECT WALL MOUNTED EQUIPMENT FROM OVERSPRAY. PRIME AND PAINT CONDUIT RACETRACKS TO MATCH ADJACENT WALL.
- (E) VINYL WRAPPED PANELS OR VINYL WALLCOVERING TO REMAIN. PATCH DAMAGED AREAS AND RE-TEXTURE TO BEST MATCH EXISTING. THOROUGHLY CLEAN AND PRIME AND PAINT PER FINISH PLAN.
- (N) COMPOSITE INFILL PANELS.

KEYPLAN:

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION
4915 Harte Way,
Sacramento, CA 95822

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

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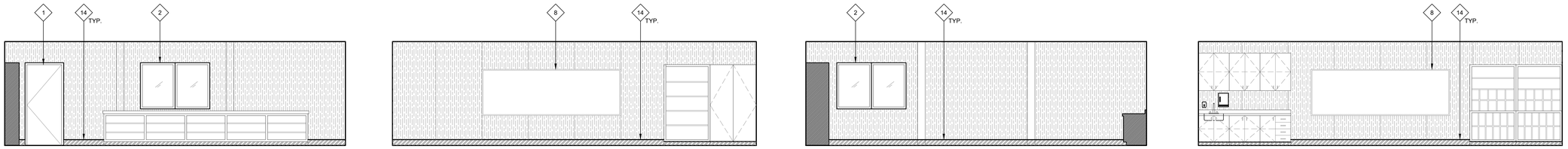
SHEET TITLE

INTERIOR ELEVATIONS

SHEET NO.

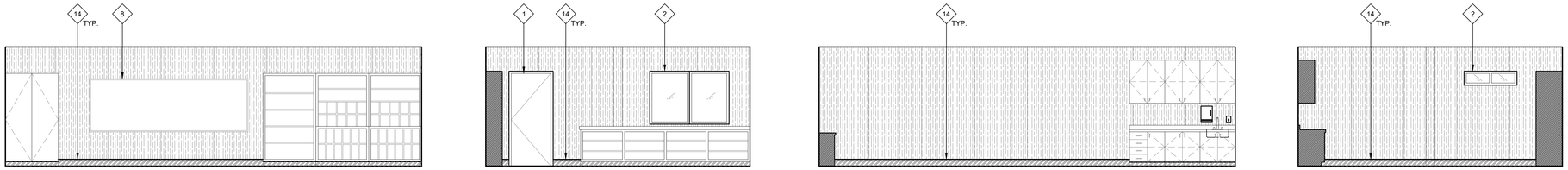
A511



NORTH EAST SOUTH WEST

30 TYPICAL BUILDING E CLASSROOM INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"



NORTH EAST SOUTH WEST

29 TYPICAL BUILDING G CLASSROOM INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. THOROUGHLY CLEAN ALL SURFACES RECEIVING NEW PAINT. PREPARE ALL SURFACES, I.E., FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE AND SCRAPE AND SAND ALL LOOSE AND PEELING PAINT. SEE SPECIFICATIONS FOR ADDITIONAL SURFACE PREP INSTRUCTIONS AND INFORMATION. PRIME ALL SURFACES RECEIVING PAINT - USE APPROPRIATE PRIMER AT EACH SUBSTRATE. CONTRACTOR TO PROVIDE (2) MAIN BODY COLORS, (4) ACCENT COLORS, (1) DOOR COLOR, AND (1) TRIM COLOR. SOME COLORS MAY REQUIRE DIFFERENT SHEEN OPTIONS AT DIFFERENT SUBSTRATES. SEE FINISH PLAN FOR COLOR LOCATIONS. CONTRACTOR IS RESPONSIBLE TO CLEAN ALL PAINT OVER-SPRAY.
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   - PAINTED INFILL PANELS AT WINDOW LOCATIONS
   - MISCELLANEOUS TRIM AND MOLDINGS
   - RELIEF AIR VENTS, EXHAUST FANS AND OTHER MECH. ITEMS EXPOSED TO VIEW
   - HANDRAILS AND GUARDRAILS
   - OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS
   - WALL-MOUNTED CONDUIT AND PIPING
   - IN SOME AREAS, VINYL WALL COVERING
   - ACOUSTIC CEILING TILES
   - ACOUSTIC WALL TILES
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   - WOOD SUBSTRATE WALLS
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PAINTING.
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NEW WORK KEYNOTES:

TYPICAL TO ALL EXTERIOR ELEVATION SHEETS. NOT ALL MAY BE USED ON THIS SHEET.

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3. PRIME AND PAINT ALL EXISTING EXPOSED CONDUIT RACETRACKS TO MATCH ADJACENT WALL.
4. PRIME AND PAINT WINDOW FRAME.
5. (E) DRINKING FOUNTAIN TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. PRIME AND PAINT EXISTING GUARDAILS.
6. REMOVE ALL INTERIOR ROOM IDENTIFICATION SIGNS PRIOR TO PAINTING . INSTALL (N) ROOM IDENTIFICATION SIGN. SEE DETAILS ON A660 FOR MOUNTING LOCATION AND FOR MOUNTING AT DIFFERENT SUBSTRATES.
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9. PRIME AND PAINT EXISTING WINDOW INFILL PANELS.
10. DEMO (E) INFILL PANELS AND INSTALL NEW COMPOSITE PANEL. SEE SPECS.
11. EXISTING ELECTRICAL EQUIPMENT. DO NOT PAINT. PROTECT IN PLACE.
12. PRIME AND PAINT EXISTING ACOUSTIC WALL TILE. REPLACE DAMAGED TILES.
13. EXISTING PAINTED WOOD SHELVING UNIT OR CABINET. PRIME AND PAINT ALL EXPOSED SIDES OF UNIT INCLUDING INSIDE OF CABINETS. COLOR TBD.
14. REMOVE EXISTING WOOD OR RUBBER FLOOR BASE, NAILS AND/OR GLUE AND SCRAPE CLEAN AND SMOOTH AND INSTALL NEW 6" RUBBER BASE.
15. SAND DOWN ALL WOOD STORAGE AND SHELVING UNITS. REFINISH WITH A WOOD SEALER PER SPEC SECTION 09 91 00.
16. REMOVE ALL EXISTING CURTAINS AND CURTAIN HARDWARE AS REQUIRED TO PERFORM SCOPE. PROTECT CURTAIN TRACKS IN PLACE AND KEEP FREE OF DEBRIS AND PAINT. REINSTALL CURTAINS IN SAME LOCATION. REPLACE ALL BROKEN CURTAIN HANGERS. PROVIDE ALLOWANCE FOR (8) NEW CURTAIN HANGERS PER ROOM.
17. DEMO EXISTING MINI-BLINDS. FIELD VERIFY DIMENSIONS AND INSTALL NEW MINI-BLINDS. SEE SPECS.
18. PRIME AND PAINT EXISTING EXPOSED TRUSSES. INCLUDE PRICING FOR ACCENT COLOR AT TRUSSES.
19. PRIME AND PAINT EXISTING HANDRAILS.
20. NEW SOAP DISPENSER. SEE 11/A553 FOR MOUNTING HEIGHT.
21. NEW PAPER TOWEL DISPENSER. SEE 11/A553 FOR MOUNTING HEIGHT.
22. NEW CASEWORK UNIT WITH SINK. DO NOT PAINT. SEE A660 FOR CASEWORK ANCHORAGE DETAILS.

LEGEND:

LEGEND TYPICAL TO ALL EXTERIOR ELEVATION SHEETS.
ALL HATCHES MAY NOT BE USED ON THIS SHEET.

- (E) GYP OR PLASTER WALL SURFACE. PRIME AND PAINT. PROTECT WALL MOUNTED EQUIPMENT FROM OVERSPRAY. PRIME AND PAINT CONDUIT RACETRACKS TO MATCH ADJACENT WALL.
- (E) VINYL WRAPPED PANELS OR VINYL WALLCOVERING TO REMAIN. PATCH DAMAGED AREAS AND RE-TEXTURE TO BEST MATCH EXISTING. THOROUGHLY CLEAN AND PRIME AND PAINT PER FINISH PLAN.
- (N) COMPOSITE INFILL PANELS.

KEYPLAN:

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

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ARCHITECT

DSA SUBMITTAL

REVISIONS

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DATE: 10/01/2024

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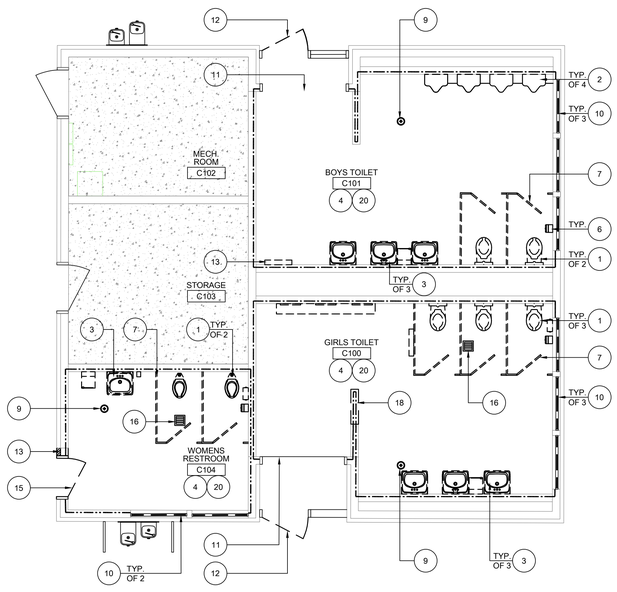
SHEET TITLE

INTERIOR ELEVATIONS

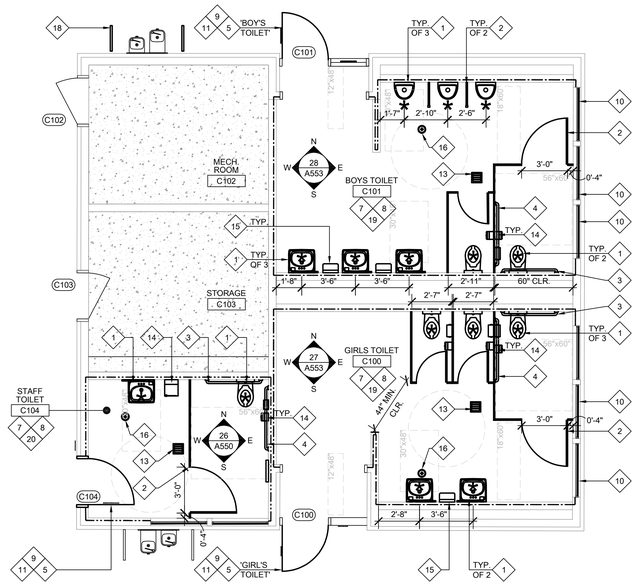
SHEET NO.

A512



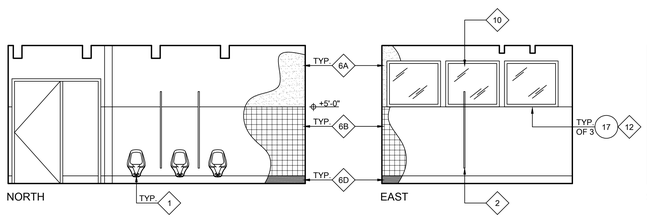
29 BLDG. C RESTROOMS - ENLARGED DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



19 BLDG. C RESTROOMS - ENLARGED ALTERATION PLAN

SCALE: 1/4" = 1'-0"

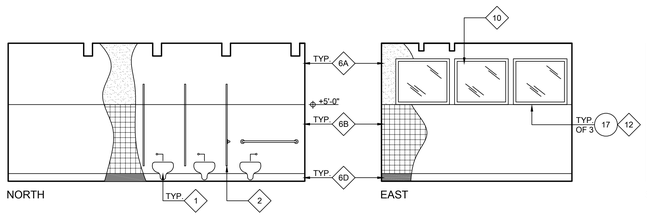


28 BLDG. C BOYS - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

(USE AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A553)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.

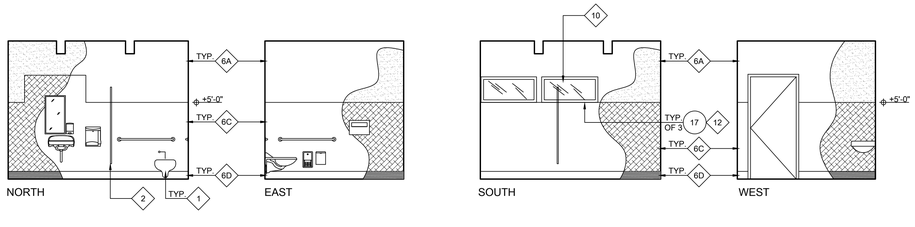


27 BLDG. C GIRLS - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

(USE AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A553)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.



26 BLDG. C STAFF - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

(USE ADULT MOUNTING HEIGHTS AS SCHEDULED ON A553)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.

KEYNOTES TYPICAL TO ALL SHEETS.

1. UNLESS OTHERWISE NOTED, ALL EXISTING PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, ALL ASSOCIATED FAUCETS AND VALVES SHOWN SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. OWNER HAS SALVAGE RIGHTS TO REMOVED FLUSH VALVES, FAUCETS, FIXTURES, AND DRINKING FOUNTAINS. CONTRACTOR SHALL DISPOSE OF ALL EQUIPMENT NOT SALVAGED BY DISTRICT.
2. UNLESS OTHERWISE NOTED, REMOVE EXISTING BRACKETS, SUPPORTS AND CARRIERS FROM ALL FIXTURES AS REQUIRED TO PERFORM NEW WALL FINISH WORK. AT ALL WATER CLOSET CARRIERS SCHEDULED FOR REUSE AND NEW CARRIERS, CONTRACTOR SHALL PROVIDE NEW STAINLESS STEEL THREADED RODS, STAINLESS STEEL NUTS AND MISCELLANEOUS COMPONENTS FOR A COMPLETE INSTALLATION. ALL LAVORATORIES AND URINALS SHALL RECEIVE NEW WALL CARRIERS. CARRIERS SHALL BE WALL-MOUNTED, PLATE TYPE CARRIERS. NO RESIDENTIAL HOOK TYPE CARRIERS ALLOWED.
3. CONTRACTOR SHALL REPLACE ALL WATER SUPPLY VALVES (ANGLE STOPS) AND ALL SUPPLY LINES FROM VALVE TO FAUCET (FLEX LINES ACCEPTABLE), FLUSH VALVES, STRAINERS, TAIL PIECES, P-TRAPS, GASKETS, ESCUTCHEONS AND MISCELLANEOUS COMPONENTS WITH NEW TO BEST MATCH EXISTING FOR A COMPLETE INSTALLATION.
4. CONTRACTOR SHALL MODIFY EACH INSTANCE OF WATER SUPPLY PIPING TO FLUSH VALVES TO PROVIDE CODE REQUIRED TAIL PIECE LENGTH AT FLUSH VALVE FOR ALL URINALS & WATER CLOSETS.
5. WHERE FIXTURES ARE BEING RELOCATED ALONG PLUMBING CHASE WALLS, CONTRACTOR WILL BE REQUIRED TO REMOVE LARGE PORTIONS OF FRAMING AND REPLACE ONCE PLUMBING WORK IS COMPLETE.
6. ALL EXISTING WALL ACCESSORIES INCLUDING ACCESS PANELS, HOSE BIBBS, SURFACE MOUNTED CONDUIT, ETC. SHALL BE PROTECTED DURING DEMOLITION AND ACCOMMODATED IN NEW WALL FINISH WORK TO MAINTAIN EXISTING FUNCTION. PROVIDE NEW STAINLESS STEEL SWITCH PLATES AND DUPLEX OUTLET PLATES TYPICAL THROUGHOUT.
7. CAULK ALL NEW PLUMBING FIXTURES TO WALL WITH HIGH GRADE SILICONE BASED SEALANT (COLOR-WHITE).
8. U.O.N. REMOVE ALL (E) TOILET ACCESSORIES/EQUIPMENT, WHETHER OR NOT SHOWN ON DEMO PLAN, (INCLUDING MIRRORS) BEING REPLACED BY (N) TOILET ACCESSORIES/EQUIPMENT (INCLUDING MIRRORS), OR NO LONGER REQUIRED DUE TO REMOVAL OF FIXTURE, SALVAGE BACK TO OWNER WHEN REQUESTED. PROVIDE NEW ACCESSORIES PER KEYNOTES AND AS SHOWN IN ALTERATION PLAN.
9. ALL GRAB BARS SHALL BE ANCHORED TO SOLID WOOD BACKING PER DETAIL 29/A553. ADDITIONALLY, ALL TOILET ROOM ACCESSORIES SHALL BE ANCHORED TO SOLID BACKING. NO EXPANSION ANCHORS WILL BE ACCEPTED. PROVIDE BACKING AS REQUIRED.
10. SEE SHEET A553 FOR ALL EQUIPMENT MOUNTING HEIGHTS.
11. AT WET LOCATIONS AND BEHIND CERAMIC TILE. PROVIDE 5/8" WATER RESISTANT GREEN BOARD. CONTRACTOR SHALL ADJUST SPUD AS REQUIRED FOR NEW WALL FINISH SURFACE ELEVATION. AT LOCATIONS WHERE SPUDS ARE FROZEN IN PLACE, CONTRACTOR SHALL CHIP OUT SPUD AND REPLACE.
12. CONTRACTOR SHALL FLOAT ALL (E) GYP. BOARD/PLASTER CEILING SURFACES - SEE SPEC SECTION 09 29 00 FOR FINISH LEVEL. REMOVE AND REINSTALL CEILING MOUNTED EQUIPMENT AS REQUIRED.
13. WHERE NEW SIGNAGE IS INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING TOILET ROOM SIGNAGE AND PROVIDE NEW AS INDICATED.
14. ACCESSIBLE COMPARTMENTS SHALL PROVIDE A TOE CLEARANCE OF 12" MINIMUM ABOVE FLOOR (11B-604.8.1.4).
15. TYPICAL, ALL FLOOR AND WALL DEVICES (RECEPTACLES, FIRE ALARM DEVICES, CONDUIT WIREMOLD, ACCESS DOORS, CLEAN OUTS, FLOOR DRAINS, ETC.) SHALL MATCH NEW SURFACE ELEVATION. ADJUST AND/OR MODIFY ACCORDINGLY. ADD NEW MUD RINGS WHERE APPLICABLE. CONTRACTOR WILL NEED TO REMOVE ALL NECESSARY ITEMS AND/OR TEMPORARILY SUPPORT THEM, AND REINSTALL AFTER FINISHES ARE COMPLETE.
16. CONTRACTOR SHALL CLEAN ALL LIGHT FIXTURES TO BE REUSED INCLUDING LENSES, FIRE ALARM DEVICES, GRILLS, REGISTERS AND EXISTING EQUIPMENT AFTER DEMO AND NEW WORK HAS OCCURRED UNLESS OTHERWISE SCHEDULED TO BE REPLACED. PROTECT FIRE ALARM DEVICES FROM DUST AND PAINT DURING ALL WORK. REINSTALL ALL EXISTING MOTION SENSORS(WHERE OCCURS).
17. AT ALL INTERIOR WALLS AND CEILINGS WHERE EXISTING FINISH IS DEMO'D, PROVIDE NEW BATT INSULATION IN ALL STUD CAVITIES PRIOR TO PLACEMENT OF NEW WALL FINISHES.
18. AT ALL REPLACEMENT GLAZING, CONTRACTOR SHALL PRIME AND PAINT THE NEW EXTERIOR WINDOW GLAZING COMPOUND AND PAINT THE EXISTING WINDOW FRAME.
19. AT THE END OF EACH CONSTRUCTION PHASE AND IN THE PRESENCE OF INSPECTOR, CAMERA ALL SANITARY SEWER LINES TO A DISTANCE OF 100 FEET OR NEAREST EXTERIOR CLEANOUT, WHICHEVER IS FURTHER. IF DEBRIS IS FOUND IN LINE, CONTRACTOR SHALL AUGER LINE. AFTER AUGERING, LINE SHALL BE CAMERA'D AGAIN TO CONFIRM THE DEBRIS HAS BEEN REMOVED FROM PIPE. CAMERA'ING SHALL BE DIDGITALLY RECORDED AND PROVIDED TO THE DISTRICT ON A DVD OR FLASH DRIVE. CAMERA DEVICE SHALL BE CAPABLE OF DIRECTLY RECORDING INFORMATION. SECONDARY DEVICES SHALL NOT BE ACCEPTED. AUDIO VOICE SHALL BE RECORDED DURING EACH INSPECTION BY THE OPERATING TECHNICIAN AND SHALL INCLUDE SEWER LOCATION, IDENTIFICATION START AND END POINTS OR CLEANOUTS. MEASUREMENT FOR LOCATION OF DEFECTS AND ACTUAL LENGTH OF PIPE SHALL BE BY MEANS OF A CALIBRATED METER ON THE CAMERA WITH A DIGITAL READOUT ON THE VIDEO MONITOR. IN ORDER TO MEASURE ANY SAGS OS BELLIES IN PIPE. CAMERA SHALL BE EQUIPPED WITH A MEASURING DEVICE CAPABLE OF ACCURATELY MEASURING THE DEPTH OF STANDING WATER UP TO 3 INCHES.
20. ALL LAVATORIES AND URINALS SHALL BE LEVEL AND EQUALLY SPACED APART WITHIN THE GROUP OF FIXTURES WITH THE EXCEPTION OF THE ACCESSIBLE LAVATORY OR URINAL. CONTRACTOR SHALL RE-PIPE ALL UTILITIES AS REQUIRED TO PER ALTERATION PLAN AND INCLUDE IN BID COST TO RELOCATE EACH FIXTURE LOCATION SHOWN ON DENOTED WITH AN "*".
21. AT ALL ALL LIGHT SWITCHES, PROVIDE (N) KEYED-TYPE LIGHT SWITCH EQUAL TO LEVITION. REPLACE (E) OUTLET WITH GFI & WEATHERPROOF COVER EQUAL TO RED-DOT DRY-TITE DEVICE COVER MODEL No. CCDV, TYPICAL (1) PER TOILET ROOM.
22. PROVIDE WATER HAMMER ARRESTORS AT ALL NEW AND EXISTING PLUMBING FIXTURE LINES. SIZE AND SPACE PER SPEC SECTION 22 40 00.
23. PROVIDE NEW WALL CLEANOUT FOR EACH URINAL AND LAVATORIES WITH STAINLESS STEEL COVER PER SPEC SECTION 22 40 00.
24. AT ALL CEILINGS TO BE REMOVED AND REPLACED, CONTRACTOR SHALL TAKE DOWN, SUPPORT, CLEAN, AND REINSTALL (E) LIGHT FIXTURES, FIRE ALARM DEVICES, MOTION SENSORS, GRILLS/REGISTERS, ETC. ADJUST FOR NEW WALL/CEILING THICKNESS.

READ CAREFULLY! SCOPE ITEMS INCLUDED!

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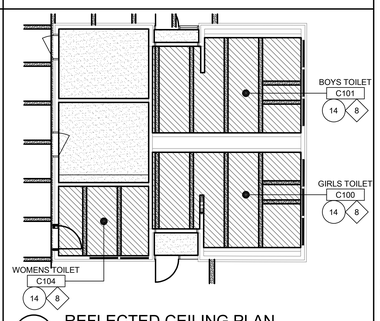

7 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. DEMO EXISTING TOILET - REROUTE PLUMBING AND SEWER LINES AS REQUIRED FOR ALTERATION WORK. AT LINES NOT BEING USED, CUT AND CAP LINE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. DEMO (E) FLOOR URINALS AND ADJACENT PARTIAL HEIGHT CHASE WALL. REROUTE PLUMBING AND SEWER LINES FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DWGS FOR ADD'L INFORMATION.
3. DEMO EXISTING LAVATORY. REROUTE PLUMBING AND SEWER LINES REQUIRED FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. **DEMO EXISTING TILE FLOOR AND TILE WALL FINISH, BOARD, AND CONCRETE FLOOR SLAB IN ENTIRE ROOM DOWN TO EXISTING AGGREGATE BASE MATERIAL, WALL TO WALL AND UP TO ENTRY DOOR THRESHOLD. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS. TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 16/A553. SLOPE OF NEW CONCRETE SLAB TO DRAIN SHALL BE 0.5% MINIMUM TO 1.5% MAXIMUM AND CONFORM TO EXISTING SLAB GRADE AT ENTRY DOOR. PREP FLOOR TO RECEIVE NEW EPOXY FLOORING SYSTEM AND WALLS TO RECEIVE NEW CERAMIC TILE.**
4A. **DEMO PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO RELOCATE FIXTURE CONNECTION IN ROOM. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS. TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 16/A553.**
5. DEMO EXISTING GRAB BARS.
6. DEMO EXISTING TOILET ROOM ACCESSORY.
7. DEMO EXISTING TOILET PARTITION SYSTEM.
8. DEMO PORTION OF EXTERIOR WALL AS REQUIRED FOR NEW DOOR AND FRAME.
9. DEMO EXISTING FLOOR CLEAN OUT AND REPLACE WITH NEW.
10. DEMO EXISTING GLAZING FROM EXISTING FRAMES.
11. DEMO EXISTING DOOR THRESHOLD AND PREP AREA FOR NEW THRESHOLD.
12. DEMO EXISTING DOOR. INFILL PREP IN EXISTING FRAME IN PREPARATION FOR NEW DOOR AND HARDWARE.
13. DEMO PORTION OF EXTERIOR BRICK WALL, CONCRETE CURB, WOOD STUD FRAMING AS REQUIRED TO PLACE NEW DOOR FRAME AS SHOWN.
14. PREP EXISTING WOOD CEILING FOR NEW PAINT. REMOVE ALL ABANDONED CONDUITS.
15. DEMO EXISTING DOOR AND DOOR FRAME.
16. DEMO EXISTING FLOOR DRAIN, P-TRAP, AND CONCRETE SLAB DUE TO GREATER THAN 2% FLOOR SLOPE. PROVIDE NEW RAISED FLOOR DRAIN, P-TRAP, AND CONCRETE WITH 2% MAXIMUM SLOPE TO DRAIN.
17. DEMO EXISTING CERAMIC TILE FROM WINDOW SILL AND PREP FOR NEW WORK.
18. DEMO PORTION OF EXISTING NON-BEARING PARTITION WALL AS REQUIRED FOR ACCESSIBLE CLEARANCES.
19. REMOVE EXISTING RESILIENT SHEET GOOD AND INTEGRAL COVED RESILIENT BASE.
20. FIRE ALARM DEVICES: DISCONNECT NOTIFICATION DEVICE. PULL BACK WIRE TO DETECTOR J-BOX AND PRESERVE FOR REINSTALL. TIE-THROUGH NAC CIRCUIT. REMOVE CONDUIT AND WALL J-BOX AND PRESERVE FOR REINSTALL.

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. NEW PLUMBING FIXTURE - SEE PLUMBING DRAWINGS.
2. NEW TOILET PARTITION SYSTEM. PROVIDE SOLID BACKING AT ALL ANCHORAGE WALL AND CEILING LOCATIONS PER DETAIL 29/A553. PROVIDE MANUFACTURER'S STAINLESS STEEL POST AT FREE PANEL ENDS.
3. NEW 42" GRAB BAR - SEE DETAIL 26/A553 FOR MOUNTING.
4. NEW 48" GRAB BAR - SEE DETAIL 26/A553 FOR MOUNTING.
5. ON INTERIOR FACE OF DOOR AT 5'-0" A.F.F., PROVIDE 3" HIGH, WHITE PAINTED TEXT TO READ, "TEXT AS NOTED ON PLAN KEYNOTE". ON EXTERIOR FACE, PROVIDE ACCESSIBLE SIGNAGE PACKAGE PER DETAIL 19/A553.
6A. NEW WALL FINISH. PRIME AND PAINT.
6B. NEW CERAMIC TILE.
6C. NEW FRL WALL PANELS.
6D. NEW COVED EPOXY BASE.
6E. NEW INTEGRAL COVED RESILIENT FLOORING BASE.
7. NEW CONCRETE SLAB AND EPOXY FLOORING SYSTEM INCLUDING INTEGRAL EPOXY COVED BASE. SEE SPEC 09 96 56.
8. PAINT ALL SURFACES AND NEW WORK INCLUDING WALLS, CEILINGS, WINDOW AND DOOR FRAMES, AND ASSOCIATED TRIM.
9. NEW DOOR, FRAME AND HARDWARE (AS APPLICABLE) - SEE DOOR SCHEDULE FOR MORE INFO.
10. NEW TRANSLUCENT GLAZING.
11. PROVIDE 18"X18" DOOR LOUVER.
12. PROVIDE NEW 1X10 WOOD WINDOW SILL. PROTRUDE OVER CERAMIC WALL TILE. EASE ALL EDGES. PRIME AND PAINT.
13. NEW FLOOR DRAIN CENTERED IN ROOM. ALL NEW FLOORING TO SLOPE TOWARDS DRAIN WITH A MAXIMUM SLOPE OF 2%.
14. NEW RESTROOM ACCESSORY - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 13/A640 FOR MOUNTING HEIGHTS.
15. NEW ELECTRIC HAND DRYER.
16. NEW CLEANOUT. SEE PLUMBING DRAWINGS.
17. NEW RESILIENT FLOORING AND 6" INTEGRAL COVED BASE.
18. NEW DRINKING FOUNTAIN GUIDE RAILS. SEE DETAIL 6/A002.
19. FIRE ALARM DEVICES: REINSTALL NOTIFICATION BACK TO ORIGINAL LOCATION. TEST FOR PROPER OPERATION.

INTERIOR TOILET ROOM ELEVATIONS SHOW NEW WORK, TYPICAL. SEE DETAIL 21/A553 FOR TILE ACCENT BAND. SEE INTERIOR ELEVATION FOR TILE HEIGHT.

- EXISTING WORK TO BE DEMOLISHED.
- EXISTING CERAMIC WALL TILE, BASE AND PLASTER/WALLBOARD SUBSTRATE TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW CERAMIC WALL TILE WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLYWOOD TO BE REMOVED. PROVIDE NEW FRL WAINSCOT OVER EXISTING PLYWOOD WALL SURFACE. PRIME AND PAINT EXPOSED PLYWOOD.
- NEW EXTERIOR PLASTER SYSTEM OVER NEW PLYWOOD SHEATHING.
- * PLUMBING FIXTURE LOCATION IS BEING RELOCATED ON WALL. CURB DEMO AND REPLACEMENT, CARRIER DEMO AND REPLACEMENT, STUD RELOCATION REPLACEMENT, WATER SUPPLY AND SEWER PIPING MODIFICATION IS REQUIRED. CONTRACTORS SHALL BID NOTED FIXTURES AS A COMPLETELY NEW LOCATION.

NEW GYP. BOARD FINISH
NEW CERAMIC WALL TILE
NEW EPOXY BASE
NEW FRL WALL PANELS
NEW COVED RESILIENT BASE

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

CONSULTANT

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600 Q Street, Suite 100
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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

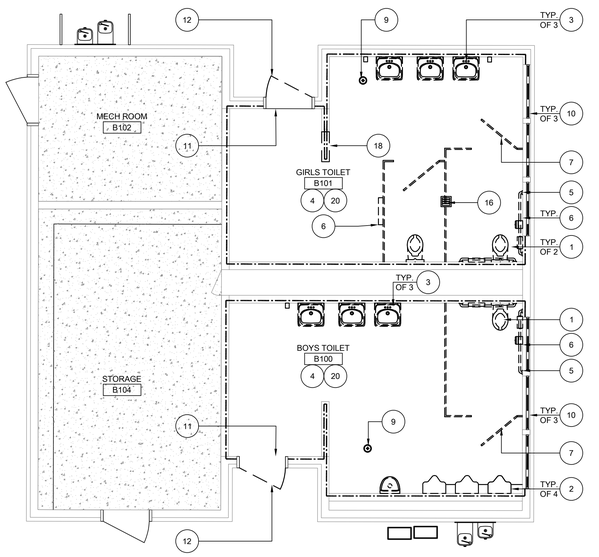
JOB NO.: Y2421.00

SHEET TITLE

FLOOR PLAN

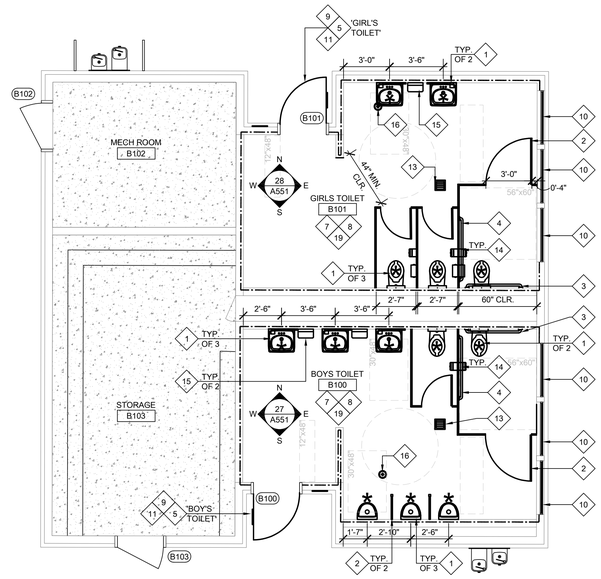
SHEET NO.

A550



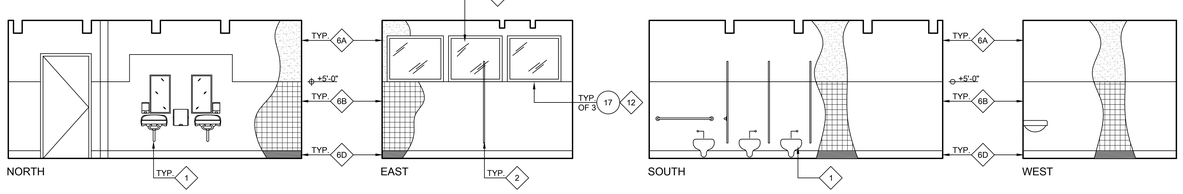
29 BLDG. B RESTROOM - ENLARGED DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



19 BLDG. B RESTROOM - ENLARGED ALTERATION PLAN

SCALE: 1/4" = 1'-0"

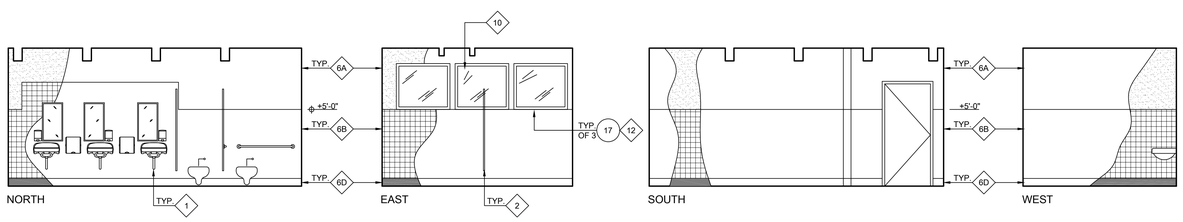


28 BLDG. B GIRLS - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

(USE AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A553)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.

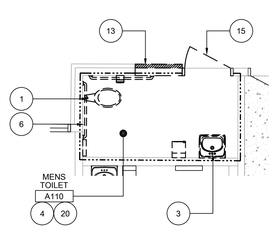


27 BLDG. BOYS - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

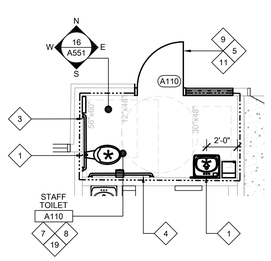
(USE AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A553)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.



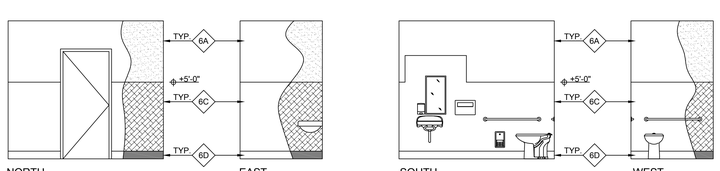
26 BLDG. A MENS RESTROOM ENLARGED DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



21 BLDG. A STAFF RESTROOM ENLARGED ALTERATION PLAN

SCALE: 1/4" = 1'-0"

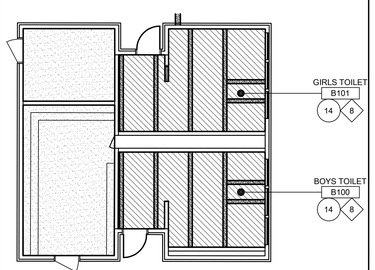


16 BLDG. A STAFF - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

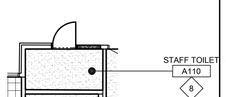
(USE ADULT MOUNTING HEIGHTS AS SCHEDULED ON A553)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.



7 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



6 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

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KEYNOTES TYPICAL TO ALL SHEETS.

1. UNLESS OTHERWISE NOTED, ALL EXISTING PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, ALL ASSOCIATED FAUCETS AND VALVES SHOWN SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. OWNER HAS SALVAGE RIGHTS TO REMOVED FLUSH VALVES, FAUCETS, FIXTURES, AND DRINKING FOUNTAINS. CONTRACTOR SHALL DISPOSE OF ALL EQUIPMENT NOT SALVAGED BY DISTRICT.
2. UNLESS OTHERWISE NOTED, REMOVE EXISTING BRACKETS, SUIPPORTS AND CARRIERS FROM ALL FIXTURES AS REQUIRED TO PERFORM NEW WALL FINISH WORK. AT ALL WATER CLOSET CARRIERS SCHEDULED FOR REUSE AND NEW CARRIERS, CONTRACTOR SHALL PROVIDE NEW STAINLESS STEEL THREADED RODS, STAINLESS STEEL NUTS AND MISCELLANEOUS COMPONENTS FOR A COMPLETE INSTALLATION. ALL LAVORATORIES AND URINALS SHALL RECEIVE NEW WALL CARRIERS. CARRIERS SHALL BE WALL-MOUNTED, PLATE TYPE CARRIERS. NO RESIDENTIAL HOOK TYPE CARRIERS ALLOWED.
3. CONTRACTOR SHALL REPLACE ALL WATER SUPPLY VALVES (ANGLE STOPS) AND ALL SUPPLY LINES FROM VALVE TO FAUCET (FLEX LINES ACCEPTABLE), FLUSH VALVES, STRAINERS, TAIL PIECES, P-TRAPS, GASKETS, ESCUTCHEONS AND MISCELLANEOUS COMPONENTS WITH NEW TO BEST MATCH EXISTING FOR A COMPLETE INSTALLATION.
4. CONTRACTOR SHALL MODIFY EACH INSTANCE OF WATER SUPPLY PIPING TO FLUSH VALVES TO PROVIDE CODE REQUIRED TAIL PIECE LENGTH AT FLUSH VALVE FOR ALL URINALS & WATER CLOSETS.
5. WHERE FIXTURES ARE BEING RELOCATED ALONG PLUMBING CHASE WALLS, CONTRACTOR WILL BE REQUIRED TO REMOVE LARGE PORTIONS OF FRAMING AND REPLACE ONCE PLUMBING WORK IS COMPLETE.
6. ALL EXISTING WALL ACCESSORIES INCLUDING ACCESS PANELS, HOSE BIBBS, SURFACE MOUNTED CONDUIT, ETC. SHALL BE PROTECTED DURING DEMOLITION AND ACCOMMODATED IN NEW WALL FINISH WORK TO MAINTAIN EXISTING FUNCTION. PROVIDE NEW STAINLESS STEEL SWITCH PLATES AND DUPLEX OUTLET PLATES TYPICAL THROUGHOUT.
7. CAULK ALL NEW PLUMBING FIXTURES TO WALL WITH HIGH GRADE SILICONE BASED SEALANT (COLOR-WHITE).
8. U.O.N. REMOVE ALL (E) TOILET ACCESSORIES/EQUIPMENT, WHETHER OR NOT SHOWN ON DEMO PLAN, (INCLUDING MIRRORS) BEING REPLACED BY (N) TOILET ACCESSORIES/EQUIPMENT (INCLUDING MIRRORS), OR NO LONGER REQUIRED DUE TO REMOVAL OF FIXTURE, SALVAGE BACK TO OWNER WHEN REQUESTED. PROVIDE NEW ACCESSORIES PER KEYNOTES AND AS SHOWN IN ALTERATION PLAN.
9. ALL GRAB BARS SHALL BE ANCHORED TO SOLID WOOD BACKING PER DETAIL 29/A553. ADDITIONALLY, ALL TOILET ROOM ACCESSORIES SHALL BE ANCHORED TO SOLID BACKING. NO EXPANSION ANCHORS WILL BE ACCEPTED. PROVIDE BACKING AS REQUIRED.
10. SEE SHEET A553 FOR ALL EQUIPMENT MOUNTING HEIGHTS.
11. AT WET LOCATIONS AND BEHIND CERAMIC TILE. PROVIDE 5/8" WATER RESISTANT GREEN BOARD. CONTRACTOR SHALL ADJUST SPUD AS REQUIRED FOR NEW WALL FINISH SURFACE ELEVATION. AT LOCATIONS WHERE SPUDS ARE FROZEN IN PLACE, CONTRACTOR SHALL CHIP OUT SPUD AND REPLACE.
12. CONTRACTOR SHALL FLOAT ALL (E) GYP. BOARD/PLASTER CEILING SURFACES - SEE SPEC SECTION 09 29 00 FOR FINISH LEVEL. REMOVE AND REINSTALL CEILING MOUNTED EQUIPMENT AS REQUIRED.
13. WHERE NEW SIGNAGE IS INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING TOILET ROOM SIGNAGE AND PROVIDE NEW AS INDICATED.
14. ACCESSIBLE COMPARTMENTS SHALL PROVIDE A TOE CLEARANCE OF 12" MINIMUM ABOVE FLOOR (11B-604.8.1.4).
15. TYPICAL, ALL FLOOR AND WALL DEVICES (RECEPTACLES, FIRE ALARM DEVICES, CONDUIT WIREMOLD, ACCESS DOORS, CLEAN OUTS, FLOOR DRAINS, ETC.) SHALL MATCH NEW SURFACE ELEVATION. ADJUST AND/OR MODIFY ACCORDINGLY. ADD NEW MUD RINGS WHERE APPLICABLE. CONTRACTOR WILL NEED TO REMOVE ALL NECESSARY ITEMS AND/OR TEMPORARILY SUPPORT THEM, AND REINSTALL AFTER FINISHES ARE COMPLETE.
16. CONTRACTOR SHALL CLEAN ALL LIGHT FIXTURES TO BE REUSED INCLUDING LENSES, FIRE ALARM DEVICES, GRILLS, REGISTERS AND EXISTING EQUIPMENT AFTER DEMO AND NEW WORK HAS OCCURRED UNLESS OTHERWISE SCHEDULED TO BE REPLACED. PROTECT FIRE ALARM DEVICES FROM DUST AND PAINT DURING ALL WORK. REINSTALL ALL EXISTING MOTION SENSORS(WHERE OCCURS).
17. AT ALL INTERIOR WALLS AND CEILINGS WHERE EXISTING FINISH IS DEMO'D, PROVIDE NEW BATT INSULATION IN ALL STUD CAVITIES PRIOR TO PLACEMENT OF NEW WALL FINISHES.
18. AT ALL REPLACEMENT GLAZING, CONTRACTOR SHALL PRIME AND PAINT THE NEW EXTERIOR WINDOW GLAZING COMPOUND AND PAINT THE EXISTING WINDOW FRAME.
19. AT THE END OF EACH CONSTRUCTION PHASE AND IN THE PRESENCE OF INSPECTOR, CAMERA ALL SANITARY SEWER LINES TO A DISTANCE OF 100 FEET OR NEAREST EXTERIOR CLEANOUT, WHICHEVER IS FURTHER. IF DEBRIS IS FOUND IN LINE, CONTRACTOR SHALL AUGER LINE. AFTER AUGERING, LINE SHALL BE CAMERA'D AGAIN TO CONFIRM THE DEBRIS HAS BEEN REMOVED FROM PIPE. CAMERAWING SHALL BE DIDGITALLY RECORDED AND PROVIDED TO THE DISTRICT ON A DVD OR FLASH DRIVE. CAMERA DEVICE SHALL BE CAPABLE OF DIRECTLY RECORDING INFORMATION. SECONDARY DEVICES SHALL NOT BE ACCEPTED. AUDIO VOICE SHALL BE RECORDED DURING EACH INSPECTION BY THE OPERATING TECHNICIAN AND SHALL INCLUDE SEWER LOCATION, IDENTIFICATION START AND END POINTS OR CLEANOUTS. MEASUREMENT FOR LOCATION OF DEFECTS AND ACTUAL LENGTH OF PIPE SHALL BE BY MEANS OF A CALIBRATED METER ON THE CAMERA WITH A DIGITAL READOUT ON THE VIDEO MONITOR. IN ORDER TO MEASURE ANY SAGS OR BELLIES IN PIPE, CAMERA SHALL BE EQUIPPED WITH A MEASURING DEVICE CAPABLE OF ACCURATELY MEASURING THE DEPTH OF STANDING WATER UP TO 3 INCHES.
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22. PROVIDE WATER HAMMER ARRESTORS AT ALL NEW AND EXISTING PLUMBING FIXTURE LINES. SIZE AND SPACE PER SPEC SECTION 22 40 00.
23. PROVIDE NEW WALL CLEANOUT FOR EACH URINAL AND LAVATORIES WITH STAINLESS STEEL COVER PER SPEC SECTION 22 40 00.
24. AT ALL CEILINGS TO BE REMOVED AND REPLACED, CONTRACTOR SHALL TAKE DOWN, SUPPORT, CLEAN, AND REINSTALL (E) LIGHT FIXTURES, FIRE ALARM DEVICES, MOTION SENSORS, GRILLS/REGISTERS, ETC. ADJUST FOR NEW WALL/CEILING THICKNESS.

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2. DEMO (E) FLOOR URINALS AND ADJACENT PARTIAL HEIGHT CHASE WALL. REROUTE PLUMBING AND SEWER LINES FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DWGS FOR ADD'L INFORMATION.
3. DEMO EXISTING LAVATORY. REROUTE PLUMBING AND SEWER LINES REQUIRED FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
4. **DEMO EXISTING TILE FLOOR AND TILE WALL FINISH, BOARD, AND CONCRETE FLOOR SLAB IN ENTIRE ROOM DOWN TO EXISTING AGGREGATE BASE MATERIAL, WALL TO WALL AND UP TO ENTRY DOOR THRESHOLD. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS. TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 16/A553. SLOPE OF NEW CONCRETE SLAB TO DRAIN SHALL BE 0.5% MINIMUM TO 1.5% MAXIMUM AND CONFORM TO EXISTING SLAB GRADE AT ENTRY DOOR. PREP FLOOR TO RECEIVE NEW EPOXY FLOORING SYSTEM AND WALLS TO RECEIVE NEW CERAMIC TILE.**
4A. **DEMO PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO RELOCATE FIXTURE CONNECTION IN ROOM. PROVIDE NEW MINIMUM 4" THICK CONCRETE SLAB WITH WELDED WIRE REINFORCING OVER NEW VAPOR BARRIER OVER NEW 2" MINIMUM LIFT OF AGGREGATE BASE ROCK. VAPOR BARRIER SHALL BE EQUAL TO STEGO WRAP VAPOR BARRIER 15MIL THICKNESS. TAPE ALL JOINTS AND PENETRATIONS. DOWEL NEW SLAB TO (E) PERIMETER FOOTINGS PER DETAIL 16/A553.**
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7. DEMO EXISTING TOILET PARTITION SYSTEM.
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13. DEMO PORTION OF EXTERIOR BRICK WALL, CONCRETE CURB, WOOD STUD FRAMING AS REQUIRED TO PLACE NEW DOOR FRAME AS SHOWN.
14. PREP EXISTING WOOD CEILING FOR NEW PAINT. REMOVE ALL ABANDONED CONDUITS.
15. DEMO EXISTING DOOR AND DOOR FRAME.
16. DEMO EXISTING FLOOR DRAIN, P-TRAP, AND CONCRETE SLAB DUE TO GREATER THAN 2% FLOOR SLOPE. PROVIDE NEW RAISED FLOOR DRAIN, P-TRAP, AND CONCRETE WITH 2% MAXIMUM SLOPE TO DRAIN.
17. DEMO EXISTING CERAMIC TILE FROM WINDOW SILL AND PREP FOR NEW WORK.
18. DEMO PORTION OF EXISTING NON-BEARING PARTITION WALL AS REQUIRED FOR ACCESSIBLE CLEARANCES.
19. REMOVE EXISTING RESILIENT SHEET GOOD AND INTEGRAL COVED RESILIENT BASE.
20. FIRE ALARM DEVICES: DISCONNECT NOTIFICATION DEVICE. PULL BACK WIRE TO DETECTOR J-BOX AND PRESERVE FOR REINSTALL. TIE-THROUGH NAC CIRCUIT. REMOVE CONDUIT AND WALL J-BOX AND PRESERVE FOR REINSTALL.

KEYNOTES TYPICAL TO ALL SHEETS. ALL KEYNOTES MAY NOT BE USED ON THIS SHEET.

1. NEW PLUMBING FIXTURE - SEE PLUMBING DRAWINGS.
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3. NEW 42" GRAB BAR - SEE DETAIL 26/A553 FOR MOUNTING.
4. NEW 48" GRAB BAR - SEE DETAIL 26/A553 FOR MOUNTING.
5. ON INTERIOR FACE OF DOOR AT 5'-0" A.F.F., PROVIDE 3" HIGH, WHITE PAINTED TEXT TO READ, "TEXT AS NOTED ON PLAN KEYNOTE". ON EXTERIOR FACE, PROVIDE ACCESSIBLE SIGNAGE PACKAGE PER DETAIL 19/A553.
6A. NEW WALL FINISH. PRIME AND PAINT.
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9. NEW DOOR, FRAME AND HARDWARE (AS APPLICABLE) - SEE DOOR SCHEDULE FOR MORE INFO.
10. NEW TRANSLUCENT GLAZING.
11. PROVIDE 18"X18" DOOR LOUVER.
12. PROVIDE NEW 1X10 WOOD WINDOW SILL. PROTRUDE OVER CERAMIC WALL TILE. EASE ALL EDGES. PRIME AND PAINT.
13. NEW FLOOR DRAIN CENTERED IN ROOM. ALL NEW FLOORING TO SLOPE TOWARDS DRAIN WITH A MAXIMUM SLOPE OF 2%.
14. NEW RESTROOM ACCESSORY - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 13/A640 FOR MOUNTING HEIGHTS.
15. NEW ELECTRIC HAND DRYER.
16. NEW CLEANOUT. SEE PLUMBING DRAWINGS.
17. NEW RESILIENT FLOORING AND 6" INTEGRAL COVED BASE.
18. NEW DRINKING FOUNTAIN GUIDE RAILS. SEE DETAIL 6/A002.
19. FIRE ALARM DEVICES: REINSTALL NOTIFICATION BACK TO ORIGINAL LOCATION. TEST FOR PROPER OPERATION.

INTERIOR TOILET ROOM ELEVATIONS SHOW NEW WORK, TYPICAL. SEE DETAIL 21/A553 FOR TILE ACCENT BAND. SEE INTERIOR ELEVATION FOR TILE HEIGHT.

- EXISTING WORK TO BE DEMOLISHED.
- EXISTING CERAMIC WALL TILE, BASE AND PLASTER/WALLBOARD SUBSTRATE TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW CERAMIC WALL TILE WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLYWOOD TO BE REMOVED. PROVIDE NEW FRL WAINSCOT OVER EXISTING PLYWOOD WALL SURFACE. PRIME AND PAINT EXPOSED PLYWOOD.
- NEW EXTERIOR PLASTER SYSTEM OVER NEW PLYWOOD SHEATHING.
- * PLUMBING FIXTURE LOCATION IS BEING RELOCATED ON WALL. CURB DEMO AND REPLACEMENT, CARRIER DEMO AND REPLACEMENT, STUD RELOCATION REPLACEMENT, WATER SUPPLY AND SEWER PIPING MODIFICATION IS REQUIRED. CONTRACTORS SHALL BID NOTED FIXTURES AS A COMPLETELY NEW LOCATION.

NEW GYP. BOARD FINISH
NEW CERAMIC WALL TILE
NEW FRL WALL PANELS
NEW EPOXY BASE
NEW COVED RESILIENT BASE

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

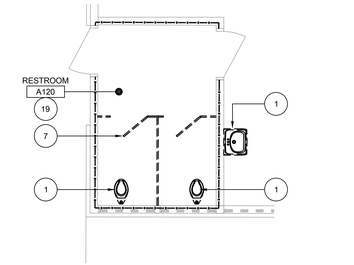
JOB NO.: Y2421.00

SHEET TITLE

FLOOR PLAN

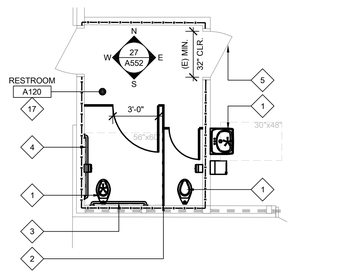
SHEET NO.

A551



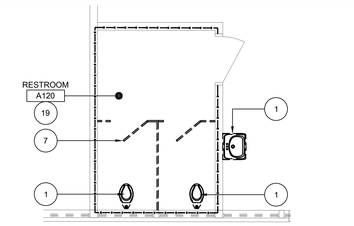
20 KINDERGARTEN RESTROOM ENLARGED DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



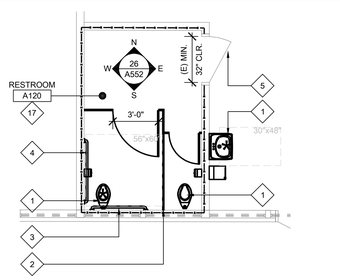
15 KINDERGARTEN RESTROOM ENLARGED ALTERATION PLAN

SCALE: 1/4" = 1'-0"



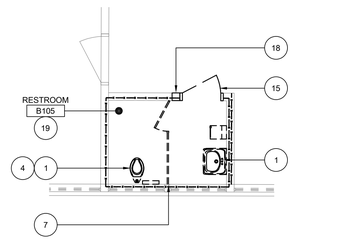
19 KINDERGARTEN RESTROOM ENLARGED DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



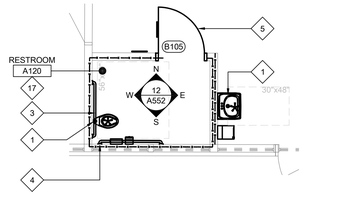
14 KINDERGARTEN RESTROOM ENLARGED ALTERATION PLAN

SCALE: 1/4" = 1'-0"



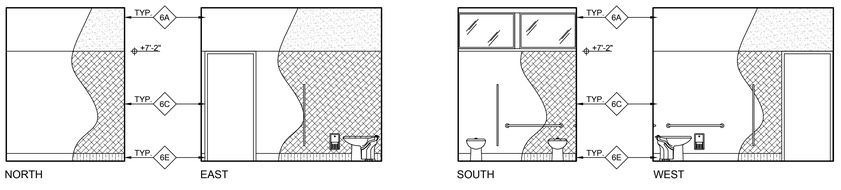
18 BLDG. B RESTROOM ENLARGED DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



13 BLDG. B RESTROOM ENLARGED ALTERATION PLAN

SCALE: 1/4" = 1'-0"

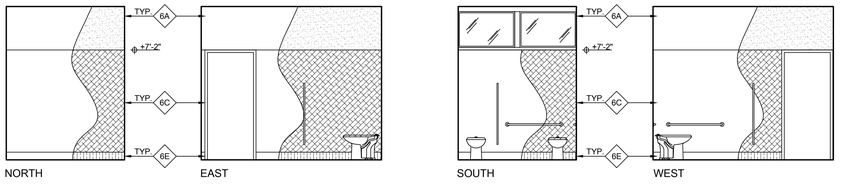


27 BLDG. A KINDERGARTEN - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

(USE AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A553)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.



26 BLDG. A KINDERGARTEN - INTERIOR ELEVATIONS

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(USE AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A553)

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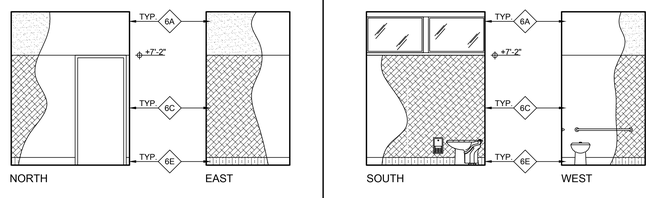

12 BLDG. B RESTROOM INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

(USE AGE 5-8 MOUNTING HEIGHTS AS SCHEDULED ON A553)

NOTE: ALL ACCESSORIES SHOWN HERE ARE NEW AND CFCI.

KEYNOTES TYPICAL TO ALL SHEETS.

1. UNLESS OTHERWISE NOTED, ALL EXISTING PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, ALL ASSOCIATED FAUCETS AND VALVES SHOWN SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. OWNER HAS SALVAGE RIGHTS TO REMOVED FLUSH VALVES, FAUCETS, FIXTURES, AND DRINKING FOUNTAINS. CONTRACTOR SHALL DISPOSE OF ALL EQUIPMENT NOT SALVAGED BY DISTRICT.
2. UNLESS OTHERWISE NOTED, REMOVE EXISTING BRACKETS, SUPPORTS AND CARRIERS FROM ALL FIXTURES AS REQUIRED TO PERFORM NEW WALL FINISH WORK. AT ALL WATER CLOSET CARRIERS SCHEDULED FOR REUSE AND NEW CARRIERS, CONTRACTOR SHALL PROVIDE NEW STAINLESS STEEL THREADED RODS, STAINLESS STEEL NUTS AND MISCELLANEOUS COMPONENTS FOR A COMPLETE INSTALLATION. ALL LAVORATORIES AND URINALS SHALL RECEIVE NEW WALL CARRIERS. CARRIERS SHALL BE WALL-MOUNTED, PLATE TYPE CARRIERS. NO RESIDENTIAL HOOK TYPE CARRIERS ALLOWED.
3. CONTRACTOR SHALL REPLACE ALL WATER SUPPLY VALVES (ANGLE STOPS) AND ALL SUPPLY LINES FROM VALVE TO FAUCET (FLEX LINES ACCEPTABLE), FLUSH VALVES, STRAINERS, TAIL PIECES, P-TRAPS, GASKETS, ESCUTCHEONS AND MISCELLANEOUS COMPONENTS WITH NEW TO BEST MATCH EXISTING FOR A COMPLETE INSTALLATION.
4. CONTRACTOR SHALL MODIFY EACH INSTANCE OF WATER SUPPLY PIPING TO FLUSH VALVES TO PROVIDE CODE REQUIRED TAIL PIECE LENGTH AT FLUSH VALVE FOR ALL URINALS & WATER CLOSETS.
5. WHERE FIXTURES ARE BEING RELOCATED ALONG PLUMBING CHASE WALLS, CONTRACTOR WILL BE REQUIRED TO REMOVE LARGE PORTIONS OF FRAMING AND REPLACE ONCE PLUMBING WORK IS COMPLETE.
6. ALL EXISTING WALL ACCESSORIES INCLUDING ACCESS PANELS, HOSE BIBBS, SURFACE MOUNTED CONDUIT, ETC. SHALL BE PROTECTED DURING DEMOLITION AND ACCOMMODATED IN NEW WALL FINISH WORK TO MAINTAIN EXISTING FUNCTION. PROVIDE NEW STAINLESS STEEL SWITCH PLATES AND DUPLEX OUTLET PLATES TYPICAL THROUGHOUT.
7. CAULK ALL NEW PLUMBING FIXTURES TO WALL WITH HIGH GRADE SILICONE BASED SEALANT (COLOR-WHITE).
8. U.O.N. REMOVE ALL (E) TOILET ACCESSORIES/EQUIPMENT, WHETHER OR NOT SHOWN ON DEMO PLAN, (INCLUDING MIRRORS) BEING REPLACED BY (N) TOILET ACCESSORIES/EQUIPMENT (INCLUDING MIRRORS), OR NO LONGER REQUIRED DUE TO REMOVAL OF FIXTURE, SALVAGE BACK TO OWNER WHEN REQUESTED. PROVIDE NEW ACCESSORIES PER KEYNOTES AND AS SHOWN IN ALTERATION PLAN.
9. ALL GRAB BARS SHALL BE ANCHORED TO SOLID WOOD BACKING PER DETAIL 29/A553. ADDITIONALLY, ALL TOILET ROOM ACCESSORIES SHALL BE ANCHORED TO SOLID BACKING. NO EXPANSION ANCHORS WILL BE ACCEPTED. PROVIDE BACKING AS REQUIRED.
10. SEE SHEET A553 FOR ALL EQUIPMENT MOUNTING HEIGHTS.
11. AT WET LOCATIONS AND BEHIND CERAMIC TILE. PROVIDE 5/8" WATER RESISTANT GREEN BOARD. CONTRACTOR SHALL ADJUST SPUD AS REQUIRED FOR NEW WALL FINISH SURFACE ELEVATION. AT LOCATIONS WHERE SPUDS ARE FROZEN IN PLACE, CONTRACTOR SHALL CHIP OUT SPUD AND REPLACE.
12. CONTRACTOR SHALL FLOAT ALL (E) GYP. BOARD/PLASTER CEILING SURFACES - SEE SPEC SECTION 09 29 00 FOR FINISH LEVEL. REMOVE AND REINSTALL CEILING MOUNTED EQUIPMENT AS REQUIRED.
13. WHERE NEW SIGNAGE IS INDICATED ON PLANS TO BE PROVIDED, CONTRACTOR SHALL REMOVE ALL EXISTING TOILET ROOM SIGNAGE AND PROVIDE NEW AS INDICATED.
14. ACCESSIBLE COMPARTMENTS SHALL PROVIDE A TOE CLEARANCE OF 12" MINIMUM ABOVE FLOOR (11B-604.8.1.4).
15. TYPICAL, ALL FLOOR AND WALL DEVICES (RECEPTACLES, FIRE ALARM DEVICES, CONDUIT WIREMOLD, ACCESS DOORS, CLEAN OUTS, FLOOR DRAINS, ETC.) SHALL MATCH NEW SURFACE ELEVATION. ADJUST AND/OR MODIFY ACCORDINGLY. ADD NEW MUD RINGS WHERE APPLICABLE. CONTRACTOR WILL NEED TO REMOVE ALL NECESSARY ITEMS AND/OR TEMPORARILY SUPPORT THEM, AND REINSTALL AFTER FINISHES ARE COMPLETE.
16. CONTRACTOR SHALL CLEAN ALL LIGHT FIXTURES TO BE REUSED INCLUDING LENSES, FIRE ALARM DEVICES, GRILLS, REGISTERS AND EXISTING EQUIPMENT AFTER DEMO AND NEW WORK HAS OCCURRED UNLESS OTHERWISE SCHEDULED TO BE REPLACED. PROTECT FIRE ALARM DEVICES FROM DUST AND PAINT DURING ALL WORK. REINSTALL ALL EXISTING MOTION SENSORS(WHERE OCCURS).
17. AT ALL INTERIOR WALLS AND CEILINGS WHERE EXISTING FINISH IS DEMO'D, PROVIDE NEW BATT INSULATION IN ALL STUD CAVITIES PRIOR TO PLACEMENT OF NEW WALL FINISHES.
18. AT ALL REPLACEMENT GLAZING, CONTRACTOR SHALL PRIME AND PAINT THE NEW EXTERIOR WINDOW GLAZING COMPOUND AND PAINT THE EXISTING WINDOW FRAME.
19. AT THE END OF EACH CONSTRUCTION PHASE AND IN THE PRESENCE OF INSPECTOR, CAMERA ALL SANITARY SEWER LINES TO A DISTANCE OF 100 FEET OR NEAREST EXTERIOR CLEANOUT, WHICHEVER IS FURTHER. IF DEBRIS IS FOUND IN LINE, CONTRACTOR SHALL AUGER LINE. AFTER AUGERING, LINE SHALL BE CAMERA'D AGAIN TO CONFIRM THE DEBRIS HAS BEEN REMOVED FROM PIPE. CAMERA'ING SHALL BE DIDGITALLY RECORDED AND PROVIDED TO THE DISTRICT ON A DVD OR FLASH DRIVE. CAMERA DEVICE SHALL BE CAPABLE OF DIRECTLY RECORDING INFORMATION. SECONDARY DEVICES SHALL NOT BE ACCEPTED. AUDIO VOICE SHALL BE RECORDED DURING EACH INSPECTION BY THE OPERATING TECHNICIAN AND SHALL INCLUDE SEWER LOCATION, IDENTIFICATION START AND END POINTS OR CLEANOUTS. MEASUREMENT FOR LOCATION OF DEFECTS AND ACTUAL LENGTH OF PIPE SHALL BE BY MEANS OF A CALIBRATED METER ON THE CAMERA WITH A DIGITAL READOUT ON THE VIDEO MONITOR. IN ORDER TO MEASURE ANY SAGS OR BELLIES IN PIPE, CAMERA SHALL BE EQUIPPED WITH A MEASURING DEVICE CAPABLE OF ACCURATELY MEASURING THE DEPTH OF STANDING WATER UP TO 3 INCHES.
20. ALL LAVATORIES AND URINALS SHALL BE LEVEL AND EQUALLY SPACED APART WITHIN THE GROUP OF FIXTURES WITH THE EXCEPTION OF THE ACCESSIBLE LAVATORY OR URINAL. CONTRACTOR SHALL RE-PIPE ALL UTILITIES AS REQUIRED TO PER ALTERATION PLAN AND INCLUDE IN BID COST TO RELOCATE EACH FIXTURE LOCATION SHOWN ON DENOTED WITH AN "".
21. AT ALL ALL LIGHT SWITCHES, PROVIDE (N) KEYED-TYPE LIGHT SWITCH EQUAL TO LEVITION. REPLACE (E) OUTLET WITH GFI & WEATHERPROOF COVER EQUAL TO RED-DOT DRY-TITE DEVICE COVER MODEL No. CCDV, TYPICAL (1) PER TOILET ROOM.
22. PROVIDE WATER HAMMER ARRESTORS AT ALL NEW AND EXISTING PLUMBING FIXTURE LINES. SIZE AND SPACE PER SPEC SECTION 22 40 00.
23. PROVIDE NEW WALL CLEANOUT FOR EACH URINAL AND LAVATORIES WITH STAINLESS STEEL COVER PER SPEC SECTION 22 40 00.
24. AT ALL CEILINGS TO BE REMOVED AND REPLACED, CONTRACTOR SHALL TAKE DOWN, SUPPORT, CLEAN, AND REINSTALL (E) LIGHT FIXTURES, FIRE ALARM DEVICES, MOTION SENSORS, GRILLS/REGISTERS, ETC. ADJUST FOR NEW WALL/CEILING THICKNESS.

READ CAREFULLY! SCOPE ITEMS INCLUDED!

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2. DEMO (E) FLOOR URINALS AND ADJACENT PARTIAL HEIGHT CHASE WALL. REROUTE PLUMBING AND SEWER LINES FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DWGS FOR ADD'L INFORMATION.
3. DEMO EXISTING LAVATORY. REROUTE PLUMBING AND SEWER LINES REQUIRED FOR ALTERATION WORK. CUT AND CAP UNUSED AND ABANDONED LINES. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
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4. NEW 48" GRAB BAR - SEE DETAIL 26/A553 FOR MOUNTING.
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7. NEW CONCRETE SLAB AND EPOXY FLOORING SYSTEM INCLUDING INTEGRAL EPOXY COVED BASE. SEE SPEC 09 96 56.
8. PAINT ALL SURFACES AND NEW WORK INCLUDING WALLS, CEILINGS, WINDOW AND DOOR FRAMES, AND ASSOCIATED TRIM.
9. NEW DOOR, FRAME AND HARDWARE (AS APPLICABLE) - SEE DOOR SCHEDULE FOR MORE INFO.
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11. PROVIDE 18"X18" DOOR LOUVER.
12. PROVIDE NEW 1X10 WOOD WINDOW SILL. PROTRUDE OVER CERAMIC WALL TILE. EASE ALL EDGES. PRIME AND PAINT.
13. NEW FLOOR DRAIN CENTERED IN ROOM. ALL NEW FLOORING TO SLOPE TOWARDS DRAIN WITH A MAXIMUM SLOPE OF 2%.
14. NEW RESTROOM ACCESSORY - SEE INTERIOR RESTROOM ELEVATIONS FOR LOCATIONS AND 13/A640 FOR MOUNTING HEIGHTS.
15. NEW ELECTRIC HAND DRYER.
16. NEW CLEANOUT. SEE PLUMBING DRAWINGS.
17. NEW RESILIENT FLOORING AND 6" INTEGRAL COVED BASE.
18. NEW DRINKING FOUNTAIN GUIDE RAILS. SEE DETAIL 6/A002.
19. FIRE ALARM DEVICES: REINSTALL NOTIFICATION BACK TO ORIGINAL LOCATION. TEST FOR PROPER OPERATION.

INTERIOR TOILET ROOM ELEVATIONS SHOW NEW WORK, TYPICAL. SEE DETAIL 21/A553 FOR TILE ACCENT BAND. SEE INTERIOR ELEVATION FOR TILE HEIGHT.

- EXISTING WORK TO BE DEMOLISHED.
- EXISTING CERAMIC WALL TILE, BASE AND PLASTER/WALLBOARD SUBSTRATE TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW CERAMIC WALL TILE WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLASTER SYSTEM TO BE REMOVED TO BARE STUD FRAMING FULL-HEIGHT FROM FLOOR TO CEILING. CHIP MORTAR BED FROM FACE OF CONCRETE CURB. PROVIDE NEW FRL WAINSCOT OVER NEW 5/8" GYP. GREEN BOARD. CONTRACTOR SHALL FURR OUT GYP. BOARD SO THAT FINISH FACE OF GYP. BOARD MATCHES FACE OF DEMO'D PLASTER.
- EXISTING FRP OVER PLYWOOD TO BE REMOVED. PROVIDE NEW FRL WAINSCOT OVER EXISTING PLYWOOD WALL SURFACE. PRIME AND PAINT EXPOSED PLYWOOD.
- NEW EXTERIOR PLASTER SYSTEM OVER NEW PLYWOOD SHEATHING.

* PLUMBING FIXTURE LOCATION IS BEING RELOCATED ON WALL. CURB DEMO AND REPLACEMENT, CARRIER DEMO AND REPLACEMENT, STUD RELOCATION REPLACEMENT, WATER SUPPLY AND SEWER PIPING MODIFICATION IS REQUIRED. CONTRACTORS SHALL BID NOTED FIXTURES AS A COMPLETELY NEW LOCATION.

NEW GYP. BOARD FINISH
NEW CERAMIC WALL TILE
NEW EPOXY BASE
NEW FRL WALL PANELS
NEW COVED RESILIENT BASE

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

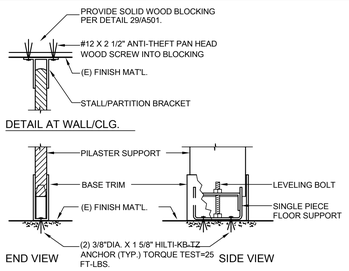
JOB NO.: Y2421.00

SHEET TITLE

ENLARGED RESTROOM PLANS AND INTERIOR ELEVATIONS

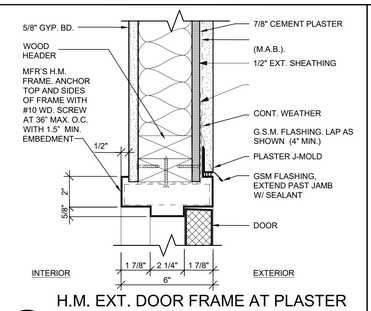
SHEET NO.

A552



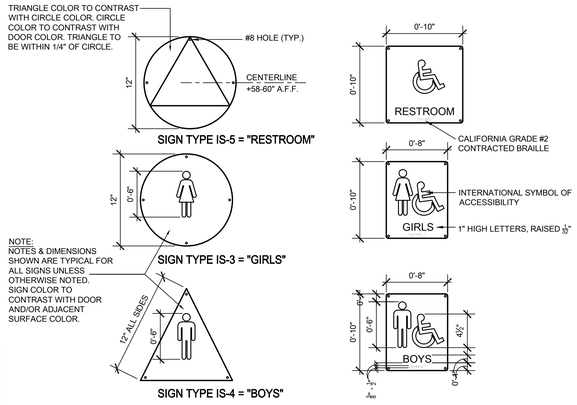
30 TOILET PARTITION ANCHORAGE

1 1/2" = 1'



25 H.M. EXT. DOOR FRAME AT PLASTER HEAD/JAMB SIM.

SCALE: 3" = 1'-0"



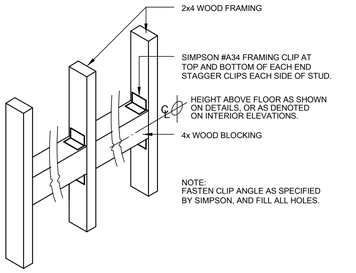
SEE SPEC SECTION 10 14 00 FOR SIGN MATERIAL AND ADDITIONAL DESIGN INFORMATION. EACH SIGN TYPE INCLUDES BOTH DOOR AND WALL SIGN.

19 ACCESSIBLE RESTROOM SIGN TYPES IS-3, IS-4 & IS-5

SCALE: N.T.S.

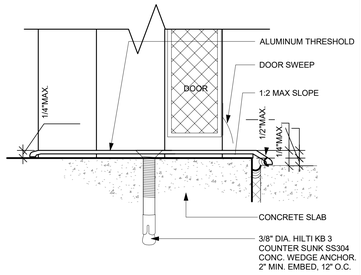
10

5



29 WOOD BACKING

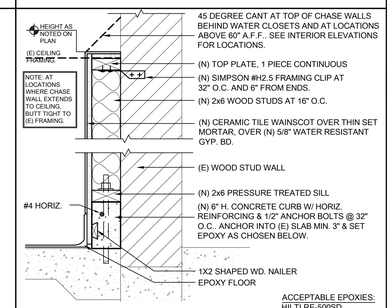
NOT TO SCALE



24 EXTERIOR DOOR THRESHOLD

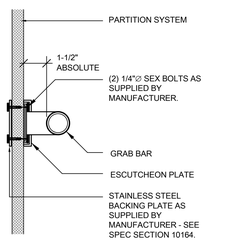
SCALE: 6" = 1'-0"

9

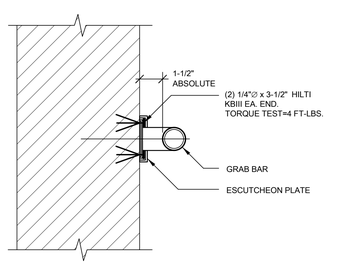


4 CHASE WALL

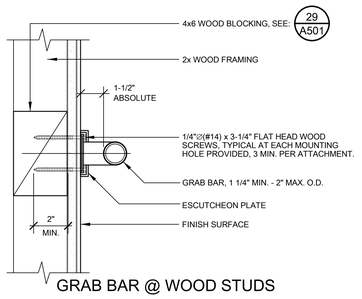
SCALE: 1-1/2" = 1'-0"



GRAB BAR @ PARTITION



GRAB BAR @ C.M.U



GRAB BAR @ WOOD STUDS

26 GRAB BAR MOUNTING

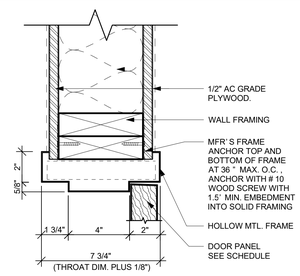
SCALE: 3" = 1'-0"

SHALL SUPPORT 250 LBS.

1. CONTRACTOR TO COORDINATE ALL FRAME THROAT DIMENSIONS WITH PARTITION TYPES SHOWN ON FLOOR PLANS.
2. COORDINATE WITH STRUCTURAL DWGS. FOR ALL HEAD, JAMB & SILL FRAMING REQUIREMENTS.
3. CONTRACTOR TO COORDINATE FLASHING WITH DETAILS ON THIS SHEET AND EXTERIOR FINISH SYSTEMS PER EXTERIOR ELEVATIONS. FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS AND BEST PRACTICE GUIDELINES.
4. SET ALL G.S.M. FLASHING COMPONENTS IN FULL BED OF SEALANT BEFORE BEFORE INSTALLATION PER DETAIL 2/A6.3.
5. PAINT ALL EXPOSED G.S.M. FLASHING AND STRUCTURAL STEEL AT DOOR & WINDOW OPENINGS.
6. CONTRACTOR TO COORDINATE FLASHING LENGTHS TO PROVIDE CLEAN, TIGHT FINISH.

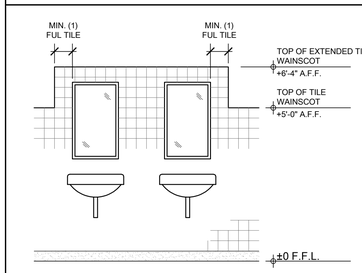
23 GENERAL SHEET NOTES

SCALE: N.T.S

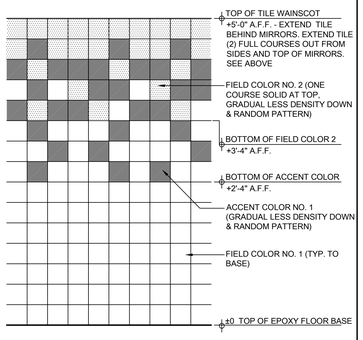


18 H.M. INT. DOOR FRAME - HEAD/JAMB SIM.

SCALE: 3" = 1'-0"

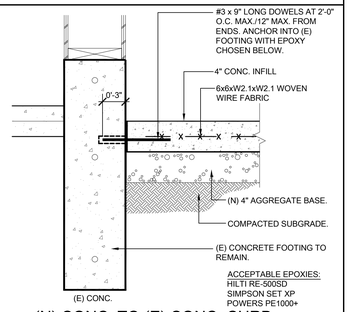


EXTENDED WAINSCOT



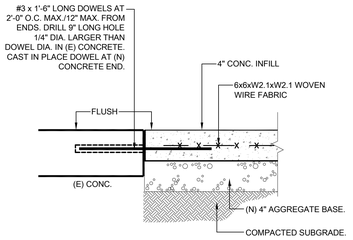
21 TILE ACCENT BAND

SCALE: 1" = 1'-0"



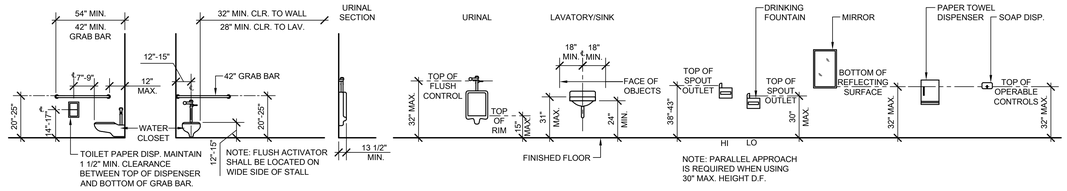
(N) CONC. TO (E) CONC. CURB

1-1/2" = 1'-0"



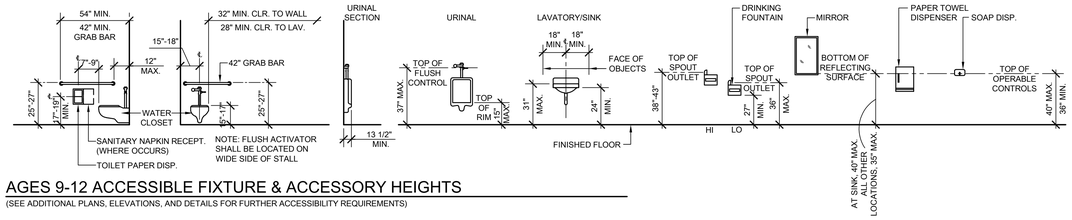
16 (N) CONC. TO (E) CONC. SLAB

1-1/2" = 1'-0"



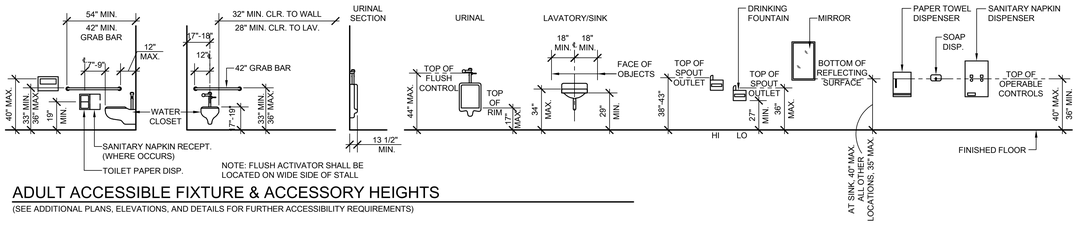
AGES 5-8 ACCESSIBLE FIXTURE & ACCESSORY HEIGHTS

(SEE ADDITIONAL PLANS, ELEVATIONS, AND DETAILS FOR FURTHER ACCESSIBILITY REQUIREMENTS)



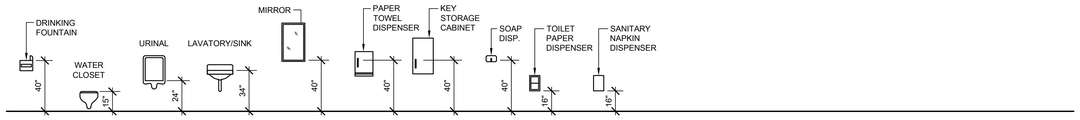
AGES 9-12 ACCESSIBLE FIXTURE & ACCESSORY HEIGHTS

(SEE ADDITIONAL PLANS, ELEVATIONS, AND DETAILS FOR FURTHER ACCESSIBILITY REQUIREMENTS)



ADULT ACCESSIBLE FIXTURE & ACCESSORY HEIGHTS

(SEE ADDITIONAL PLANS, ELEVATIONS, AND DETAILS FOR FURTHER ACCESSIBILITY REQUIREMENTS)



STANDARD FIXTURE & ACCESSORY HEIGHTS

11 MOUNTING HEIGHTS

SCALE: 1/4" = 1'-0"

DIVISION OF THE STATE ARCHITECT

WINTERSTEIN ELEMENTARY
A.K.A. GATEWAY INTERNATIONAL SCHOOL MODERNIZATION - INC 2

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REGISTERED ARCHITECT MARK J. MAYNE No. C-26867 GENERAL DATE 1/31/21 STATE OF CALIFORNIA

ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE
1	DSA SUBMITTAL	03/01/2019
2	DSA BACKCHECK	05/31/2019

DATE: 05/31/2019

JOB NO.: Y1816.00

SHEET TITLE

DETAILS

SHEET NO.

A553

BUILDING A -- DOOR SCHEDULE

DOOR NO.	DOOR / FRAME								DOOR SCOPE	ADDITIONAL SCOPE
	NOMINAL DOOR SIZE	IN / EX	FRAME MAT.	DOOR MAT.	HRDWR GRP	GLASS	OTHER	FIN		
A100	PR. 3'-0" X 6'-8"	EX	METAL	METAL	E04	HFLT	--	P1	PRIME AND PAINT.	R1
A101	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A102	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A103	2'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A104A	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A104B	3'-0" X 6'-8"	EX	METAL	WD.	--	--	--	P1	PRIME AND PAINT.	R1
A106A	PR. 3'-0" X 6'-8"	EX	METAL	METAL	E04	HFLT	--	P1	PRIME AND PAINT.	R1
A106B	3'-0" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P3	SAND DOWN TOP COAT AND SEAL.	R1
A107	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A109	3'-0" X 6'-8"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	R1
A110	(N) 3'-0" X 6'-8"	EX	(N) METAL	(N) METAL	E05	--	--	P1	PRIME AND PAINT.	S-2 (STAFF). SEE DETAILS 14&15/A553.
A111	3'-0" X 6'-8"	IN	METAL	WD.	--	--	LOUV.	P3	SAND DOWN TOP COAT AND SEAL.	PRIME AND PAINT METAL LOUVRE.
A112	2'-10" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A113	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A114	3'-0" X 6'-8"	IN	METAL	WD.	--	SDLT	--	P3	SAND DOWN TOP COAT AND SEAL.	PRIME AND PAINT METAL WINDOW FRAME.
A115	3'-0" X 6'-8"	IN	METAL	METAL	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A116A	3'-0" X 6'-8"	EX	METAL	WD.	E03	VSLT	--	P1	PRIME AND PAINT.	R1
A116B	3'-0" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
A117	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A118	3'-0" X 6'-8"	IN	METAL	WD.	--	SDLT	LOUV.	P3	SAND DOWN TOP COAT AND SEAL.	PRIME AND PAINT METAL LOUVRE AND WINDOW FRAME.
A119A	(N) 3'-0" X 6'-8"	EX	METAL	(N) METAL	E06	VSLT	--	P1	PRIME AND PAINT.	
A119B	3'-0" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
A120A	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
A120B	3'-0" X 6'-8"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	R1
A121	3'-0" X 6'-8"	IN	METAL	WD.	--	SDLT	LOUV.	P3	SAND DOWN TOP COAT AND SEAL.	PRIME AND PAINT METAL LOUVRE AND WINDOW FRAME.

BUILDING B -- DOOR SCHEDULE

DOOR NO.	DOOR / FRAME								DOOR SCOPE	ADDITIONAL SCOPE
	NOMINAL DOOR SIZE	IN / EX	FRAME MAT.	DOOR MAT.	HRDWR GRP	GLASS	OTHER	FIN		
B100	(N) 3'-0" X 6'-8"	EX	METAL	(N) METAL	E01	--	--	P1	PRIME AND PAINT.	R1, S-2 (BOYS)
B101	(N) 3'-0" X 6'-8"	EX	METAL	(N) METAL	E01	--	--	P1	PRIME AND PAINT.	R1, S-2 (GIRLS)
B102	(N) 3'-0" X 6'-8"	EX	METAL	(N) METAL	E02	--	--	P1	PRIME AND PAINT.	R1
B103	3'-6" X 6'-8"	EX	METAL	WD.	--	--	--	P1	PRIME AND PAINT.	R1
B104A	3'-6" X 6'-8"	EX	METAL	WD.	E03	SDLT	--	P1	PRIME AND PAINT.	R1
B104B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
B104C	3'-0" X 6'-8"	IN	METAL	METAL	--	--	--	P2	PRIME AND PAINT.	
B105	(N) 3'-0" X 6'-8"	EX	METAL	(N) WD.	I01	--	--	P2	PRIME AND PAINT.	S-2 (TOILET). SEE DETAIL 18/A553.
B106	3'-6" X 6'-8"	IN	METAL	WD.	--	SDLT	--	P3	SAND DOWN TOP COAT AND SEAL.	
B107A	3'-6" X 6'-8"	EX	METAL	WD.	E03	SDLT	--	P1	PRIME AND PAINT.	R1
B107B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
B108A	3'-6" X 6'-8"	EX	METAL	WD.	E03	SDLT	--	P1	PRIME AND PAINT.	R1
B108B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
B109A	3'-6" X 6'-8"	EX	METAL	WD.	E03	SDLT	--	P1	PRIME AND PAINT.	R1
B109B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
B110A	3'-6" X 6'-8"	EX	METAL	WD.	E03	SDLT	--	P1	PRIME AND PAINT.	R1
B110B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1

BUILDING C -- DOOR SCHEDULE

DOOR NO.	DOOR / FRAME								DOOR SCOPE	ADDITIONAL SCOPE
	NOMINAL DOOR SIZE	IN / EX	FRAME MAT.	DOOR MAT.	HRDWR GRP	GLASS	OTHER	FIN		
C100	(N) 3'-0" X 6'-8"	EX	METAL	(N) METAL	E01	--	--	P1	PRIME AND PAINT.	R1, S-2 (BOYS)
C101	(N) 3'-0" X 6'-8"	EX	METAL	(N) METAL	E01	--	--	P1	PRIME AND PAINT.	R1, S-2 (GIRLS)
C102	(N) 3'-0" X 6'-8"	EX	METAL	(N) METAL	E02	--	--	P1	PRIME AND PAINT.	R1
C103	(N) 3'-0" X 6'-8"	EX	METAL	(N) METAL	E02	--	--	P1	PRIME AND PAINT.	R1
C104	(N) 3'-0" X 6'-8"	EX	(N) METAL	(N) METAL	E05	--	--	P1	PRIME AND PAINT.	S-2 (STAFF). SEE DETAILS 14&15/A553.
C105A	(N) 3'-6" X 6'-8"	EX	METAL	(N) METAL	E06	VSLT	--	P1	PRIME AND PAINT.	R1
C105B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
C106A	3'-6" X 6'-8"	EX	METAL	WD.	E03	VSLT	--	P1	PRIME AND PAINT.	R1
C106B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
C107A	3'-6" X 6'-8"	EX	METAL	WD.	E03	VSLT	--	P1	PRIME AND PAINT.	R1
C107B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
C108A	(N) 3'-6" X 6'-8"	EX	METAL	(N) METAL	E06	VSLT	--	P1	PRIME AND PAINT.	R1
C108B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P1	PRIME AND PAINT.	R1
C109A	3'-6" X 6'-8"	EX	METAL	WD.	E03	VSLT	--	P1	PRIME AND PAINT.	R1
C109B	3'-6" X 6'-8"	EX	METAL	WD.	E03	HFLT	--	P2	SAND DOWN TOP COAT AND SEAL.	R1

BUILDING D -- DOOR SCHEDULE

DOOR NO.	DOOR / FRAME								DOOR SCOPE	ADDITIONAL SCOPE
	NOMINAL DOOR SIZE	IN / EX	FRAME MAT.	DOOR MAT.	HRDWR GRP	GLASS	OTHER	FIN		
D100A	3'-0" X 6'-8"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	R1
D100B	PR. 3'-0" X 6'-8"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	R1
D100C	PR. 3'-0" X 6'-8"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	R1
D101	PR. 3'-0" X 6'-8"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	R1
D102	3'-0" X 6'-8"	EX	METAL	METAL	--	--	LOUV.	P1	PRIME AND PAINT.	RPRIME AND PAINT METAL LOUVRE.
D104	3'-0" X 6'-8"	EX	METAL	WD.	--	--	--	P1	PRIME AND PAINT.	R1
D105	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P2	PRIME AND PAINT.	
D106	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
D110	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
D111	3'-0" X 6'-8"	IN	METAL	WD.	--	--	--	P3	SAND DOWN TOP COAT AND SEAL.	
D112	3'-0" X 6'-8"	EX	METAL	WD.	--	--	--	P1	PRIME AND PAINT.	R1
D113	3'-0" X 6'-8"	EX	METAL	WD.	--	--	--	P1	PRIME AND PAINT.	R1

BUILDING E -- DOOR SCHEDULE

DOOR NO.	DOOR / FRAME								DOOR SCOPE	ADDITIONAL SCOPE
	NOMINAL DOOR SIZE	IN / EX	FRAME MAT.	DOOR MAT.	HRDWR GRP	GLASS	OTHER	FIN		
E13	3'-0" X 7'-0"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	
E14	3'-0" X 7'-0"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	

BUILDING F -- DOOR SCHEDULE

DOOR NO.	DOOR / FRAME								DOOR SCOPE	ADDITIONAL SCOPE
	NOMINAL DOOR SIZE	IN / EX	FRAME MAT.	DOOR MAT.	HRDWR GRP	GLASS	OTHER	FIN		
F20A	3'-0" X 7'-0"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	
F20B	3'-0" X 7'-0"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	

BUILDING H -- DOOR SCHEDULE

DOOR NO.	DOOR / FRAME								DOOR SCOPE	ADDITIONAL SCOPE
	NOMINAL DOOR SIZE	IN / EX	FRAME MAT.	DOOR MAT.	HRDWR GRP	GLASS	OTHER	FIN		
H17	3'-0" X 7'-0"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	
H18	3'-0" X 7'-0"	EX	METAL	METAL	--	--	--	P1	PRIME AND PAINT.	
H19	3'-0" X 7'-0"	EX	METAL	METAL		--	--	P1	PRIME AND PAINT.	

DOOR LEGEND

THESE KEYNOTES APPLY TO THIS SHEET ONLY.

DOOR AND FRAME MATERIAL:

M = METAL
A = ALUMINUM
W = WOOD

NEW DOOR AND FRAME FINISH:

P1 = PAINT COLOR
P2 = PAINT COLOR
P3 = WOOD STAIN AND SEALER

DOOR GLAZING ABBREVIATIONS:

HFLT = HALF-DOOR WINDOW (DIMIENSIONS VARY)
SDLT = SIDE-LIGHT WINDOW (DIMENSIONS VARY)
VSLT = SQUARE VISION WINDOW (DIMENSIONS VARY)

NEW DOOR SIGNAGE:

FOR SIGN TYPE DETAILS AND ADDITIONAL INFORMATION SEE SPECIFICATION SECTION 10 14 00 AND DETAILS ON SHEET XXXXXX. SEE EXTERIOR ELEVATIONS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

S-1 = STANDARD ROOM IDENTIFICATION SIGN. SUBSTRATES VARY.
S-2 = BOY'S RESTROOM DOOR SIGNAGE
S-2 = GIRLS RESTROOM DOOR SIGNAGE
S-2 = STAFF RESTROOM DOOR SIGNAGE

REMARK NOTES

R1 - AT EXTERIOR WOOD DOOR FRAME WHERE IT ABUTS BRICK WALL FINISH ALONG BOTH JAMBS AND HEAD, THOROUGHLY CLEAN/REMOVE/SAND EXISTING CAULKING. CLEAN GAP. PROVIDE NEW BACKER ROD AND CAULKING.

GENERAL NOTES:

THESE KEYNOTES APPLY TO THIS SHEET ONLY.

DOOR GENERAL NOTES:

1. DOORS SHALL HAVE 1/4" MINIMUM UNDERCUT ABOVE SILL SURFACE MATERIAL AT ALL EXTERIOR DOORS. THIS SHALL BE MEASURED FROM THE EXTERIOR FINISH SURFACE.
2. AT DOORS WITH WINDOWS OR SIDELIGHTS, CURTAINS AND WINDOW COVERS SHALL BE REMOVED TO PERFORM PAINTING AND/OR WOOD SEALING SCOPE.
3. SEE DOOR SCHEDULE FOR KNOWN DOOR SUBSTRATES. USE COORDINATING PAINT PRIMERS BASED ON DOOR SUBSTRATE.
4. ALL DOORS IN THE ACCESSIBLE PATH OF TRAVEL SHALL:
   - PROVIDE 32" MINIMUM CLEAR WIDTH ACCESS.
   - BE PROVIDED WITH LEVER-TYPE OR PANIC BAR LOCKS & LATCHES.
   - BE OPERATED WITH A MAXIMUM FORCE OF 5# INTERIOR AND 5# EXTERIOR.
   - HAVE A MAXIMUM THRESHOLD HEIGHT OF 1/2" WITH MAXIMUM 1/4" VERTICAL RISE WITH REMAINDER BEVELED AT MAXIMUM 2:1.

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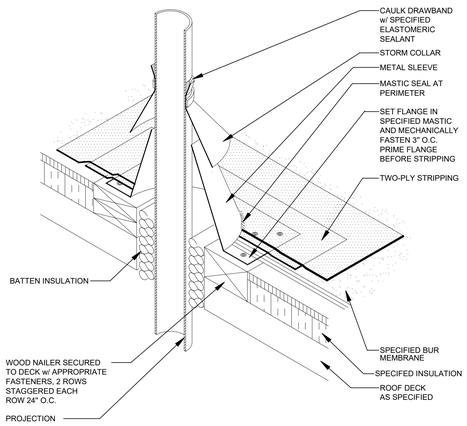
SHEET TITLE

DOOR SCHEDULE

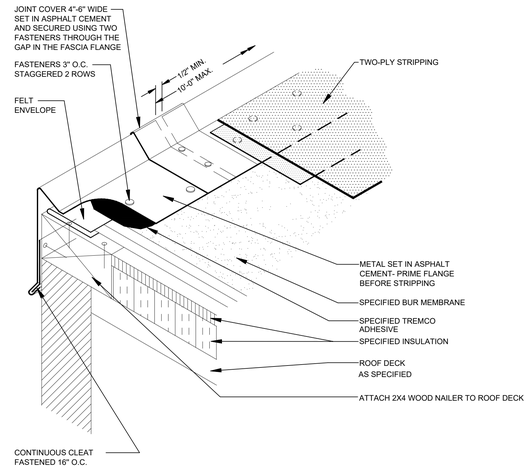
SHEET NO.

A600



29 NEW ROOF PIPE PENETRATION

SCALE: N.T.S.

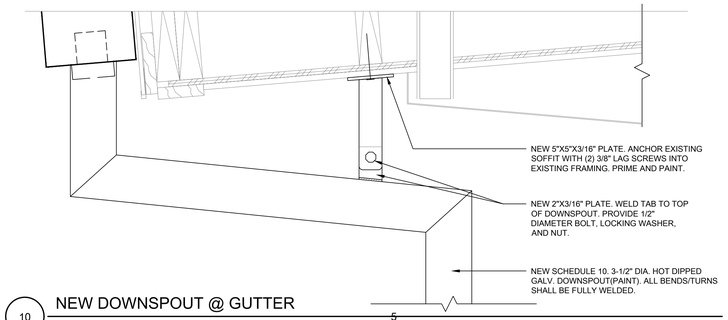


NOTES

1. ALL METAL SURFACES SHALL BE PRIMED BEFORE CONTACT WITH TREMCO PRIMERS

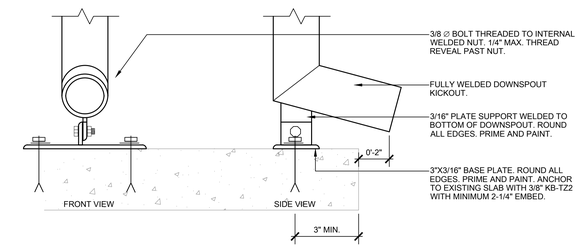
19 NEW ROOF AND EDGE

SCALE: N.T.S.



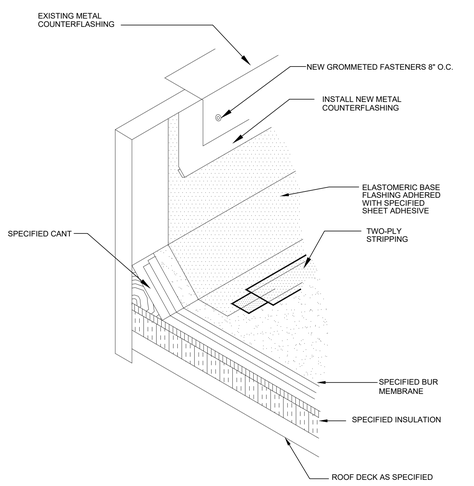
10 NEW DOWNSPOUT @ GUTTER

SCALE: 3" = 1'-0"



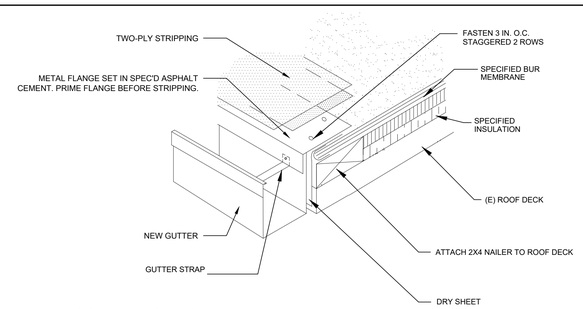
9 DOWNSPOUT BOTTOM ANCHORAGE

SCALE: 3" = 1'-0"



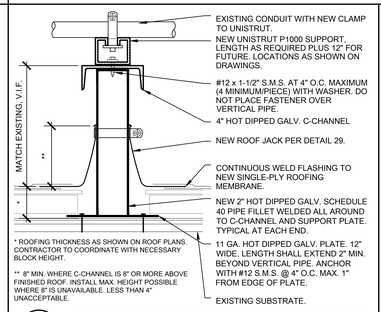
27 NEW ROOFING AT HVAC CURB

SCALE: N.T.S.



18 NEW ROOF AND GUTTER

SCALE: N.T.S.



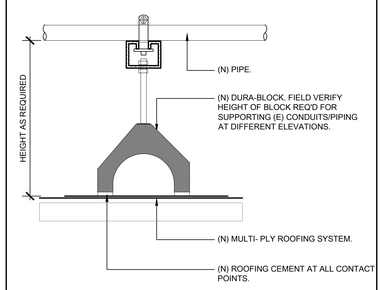
8 ANCHORED PIPE/CONDUIT SUPPORT

SCALE: 3" = 1'-0" (AS SHOWN ON DRAWINGS)

2

17

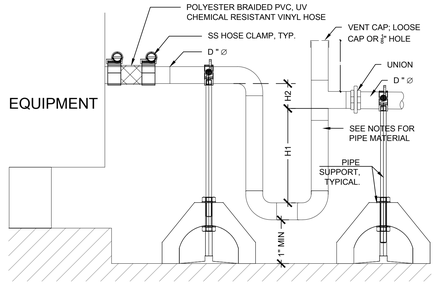
17



7 ADHERED PIPE/CONDUIT SUPPORT

SCALE: 3" = 1'-0" (SPACING AS SHOWN ON DRAWINGS)

2

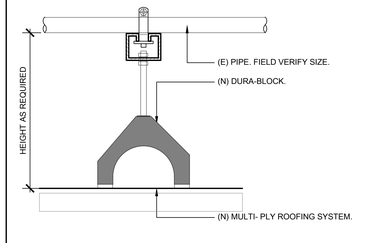


21 AC UNIT CONDENSATE DRAIN DETAIL

SCALE: N.T.S.

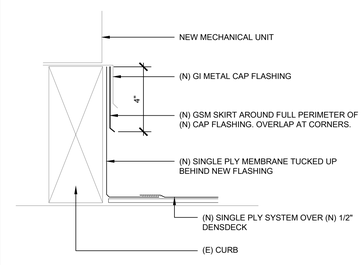
CONDENSATE TRAP AND DRAIN PIPING NOTES:

1. INSIDE BLDG: PROVIDE TYPE "M" HARD DRAWN COPPER TUBING AND FITTINGS. PROVIDE WYE FITTINGS W/ CLEANOUT PLUG FOR TUBING UP TO 1". PROVIDE WROUGHT OR CAST DWV FITTINGS FOR SIZES 1-1/4" AND LARGER. PROVIDE DIELECTRIC COUPLINGS AND/OR UNIONS AT DISSIMILAR METALS.
2. OUTSIDE BLDG: PROVIDE SCHED. 40 GALV. STEEL PIPE AND FIT- TINGS, 6" MIN. BRAIDED METAL FLEX CONNECTOR W/ DIELECTRIC UNIONS AT DISSIMILAR METALS OR 6" MIN. POLYESTER BRAIDED PVC, UV CHEMICAL RESISTANT VINYL HOSE AND SS CLAMPS OR 6" SCHEDULE-80 PVC NIPPLE AND UNIONS AT CONNECTIONS.
3. CONNECT CONDENSATE DRAINS TO MECH. EQUIPMENT PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE P-TRAP W/ VENT IF HORIZ. DRAIN PIPE LENGTH GREATER THAN 15'. TRAP SEAL DEPTH PER MANUFACTURER'S RECOMMENDATIONS. SLOPE PIPING TO DRAIN APPROVED PLUMB. RECEPTACLE W/ 1"-IN-10FT MIN. PITCH. DRILL 1/8" DIAMETER HOLE IN CAP AT OUTLET OF TRAP TO ALLOW VENTING OF SYSTEM.
5. PROVIDE CLEANOUT T OR Y AT EACH CHANGE IN DIRECTION.
6. SUPPORT PIPE BETWEEN P-TRAP AND EQUIP. AND WITHIN 12" DOWN- STREAM OF P-TRAP. ALL PIPING SHALL BE SUPPORTED WITHIN 12" OF EACH ELBOW. USE COOPER INDUSTRIES DURABLOCK, DBM-3/4CT OR DIBM-1CT.
7. RUNNING TRAPS PROHIBITED.
8. TRAP SIZING:
   H1=
   DRAW THRU: [(H2)/2]-INCHES MIN.
   BLOW THRU: FAN OUTLET PRESSURE (IN, WC.) + 1/2" MIN.
   H2=
   DRAW THRU: FAN INLET PRESSURE (IN W.C.) + 1".
   BLOW THRU:
   PIPE DIAMETER CRITERIA:
   D = 3/4" UP TO 20-TON CAPACITY
   D = 1", 21 TO 40-TON CAPACITY



6 FLOATING PIPE/CONDUIT SUPPORT

SCALE: 3" = 1'-0"



1 FLASHING AT EXISTING MECH. CURB

SCALE: 3" = 1'-0"

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ARCHITECT

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NO.	DESCRIPTION	DATE

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RESTROOM CEILING AND DETAILS

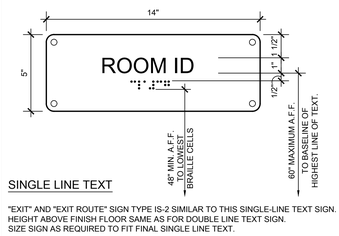
SHEET NO.

A650

ONE INCH = TWENTY FEET | ONE-SIXTEENTH INCH = ONE FOOT | ONE-EIGHTH INCH = ONE FOOT | ONE-QUARTER INCH = ONE FOOT | ONE-HALF INCH = ONE FOOT | THREE-QUARTERS INCH = ONE FOOT | ONE INCH = ONE FOOT | ONE AND ONE-HALF INCH = ONE FOOT

5

1" UPPER & LOWER CASE TEXT TO IDENTIFY UNIQUE DOOR CONDITION - SEE FLOOR PLAN OR DOOR SCHEDULE (ACTUAL TEXT TO BE DETERMINED AT TIME OF SUBMITTAL)



SINGLE LINE TEXT

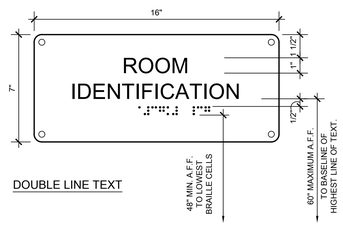
"EXIT" AND "EXIT ROUTE" SIGN TYPE IS-2 SIMILAR TO THIS SINGLE-LINE TEXT SIGN. HEIGHT ABOVE FINISH FLOOR SAME AS FOR DOUBLE LINE TEXT SIGN. SIZE SIGN AS REQUIRED TO FIT FINAL SINGLE LINE TEXT.

SEE SPEC SECTION 10 14 00 FOR SIGN MATERIAL AND ADDITIONAL DESIGN INFORMATION

14 ROOM ID SIGN

SCALE: 3" = 1'-0"

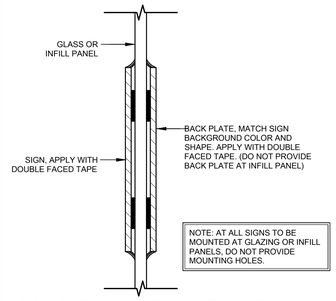
1" UPPER & LOWER CASE TEXT TO IDENTIFY UNIQUE DOOR CONDITION - SEE FLOOR PLAN OR DOOR SCHEDULE (ACTUAL TEXT TO BE DETERMINED AT TIME OF SUBMITTAL)



DOUBLE LINE TEXT

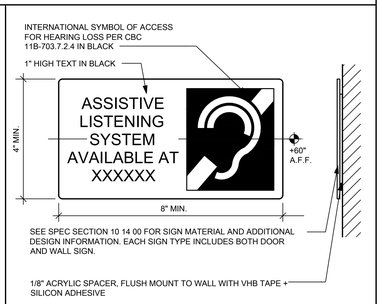
24

19



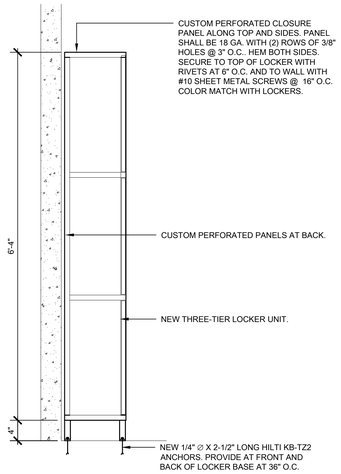
SIGN MOUNTING AT GLAZING

SCALE: 3" = 1'-0"



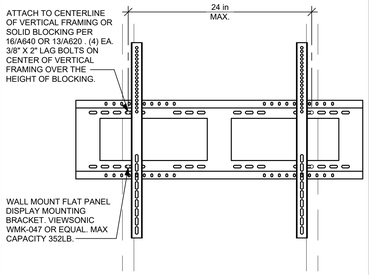
8 ASSISTIVE LISTENING SIGN

SCALE: 1 1/2" = 1'-0"



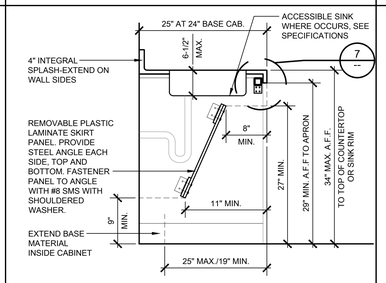
3 3-TIER FREESTANDING LOCKERS

SCALE: 1" = 1'-0"



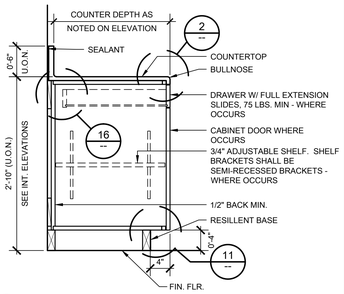
12 TV MOUNT BRACKET

SCALE: 1 1/2" = 1'-0"



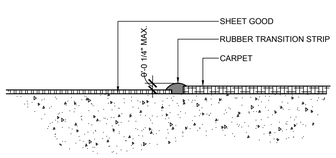
7 KNEE SPACE CLEARANCES AT SINKS AND WORKSTATIONS

SCALE: N.T.S.



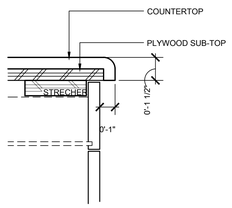
2 BASE CABINET

SCALE: 1" = 1'-0"



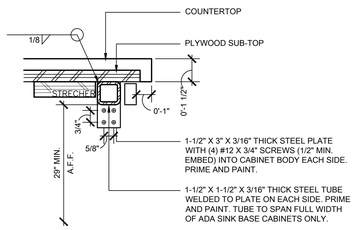
26 FLOOR TRANSITION

SCALE: 6" = 1'-0"



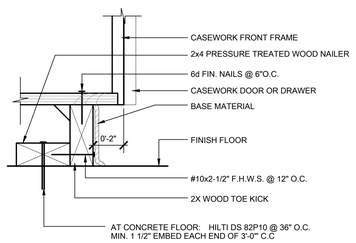
21 BASE CABINET FRONT EDGE

SCALE: 3" = 1'-0"



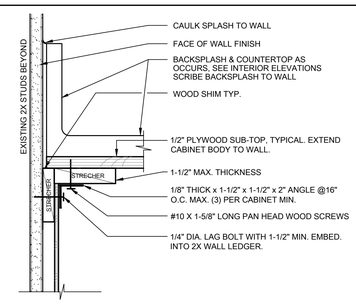
16 BASE CABINET FRONT EDGE AT ACCESSIBLE SINK

SCALE: 3" = 1'-0"



11 BASE CABINET ANCHOR

SCALE: 3" = 1'-0"



6 BASE CABINET ANCHORAGE

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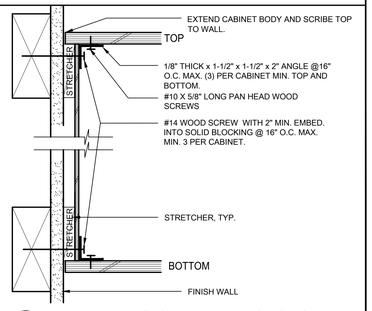

1 WALL HUNG CABINET ANCHORS

SCALE: 3" = 1'-0"

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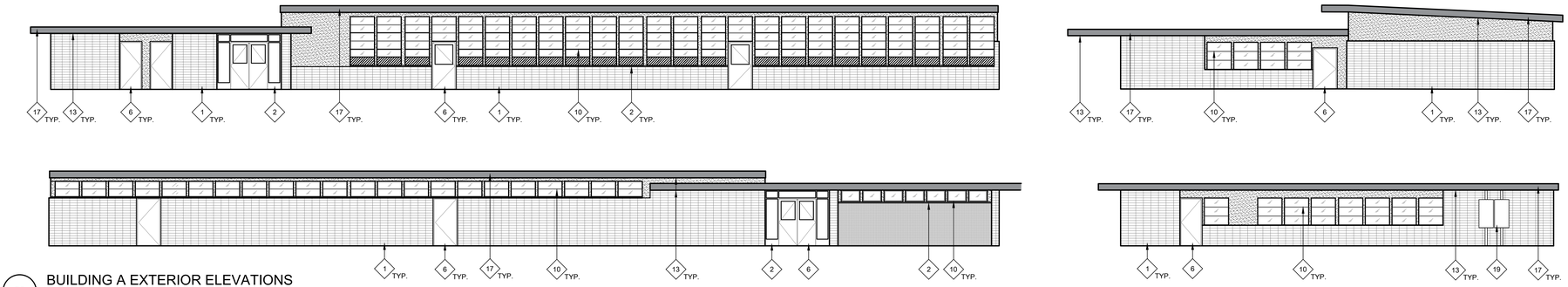
INTERIOR AND CASEWORK DETAILS

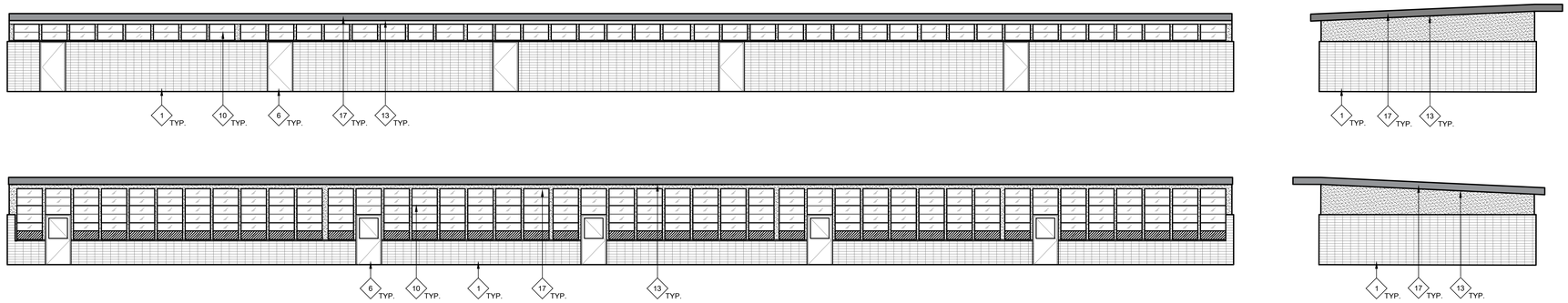
SHEET NO.

A660



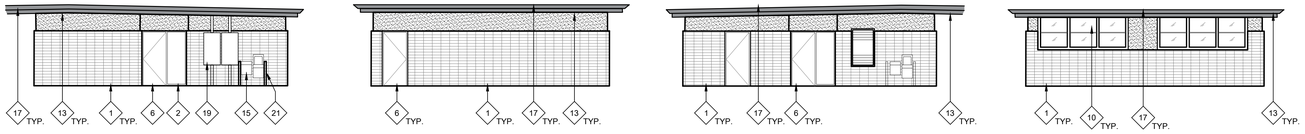
30 BUILDING A EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



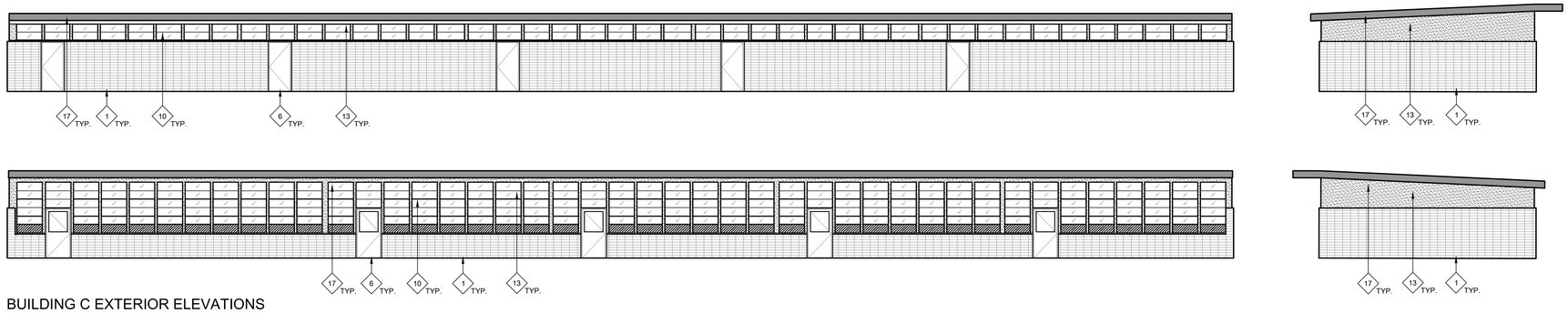
29 BUILDING B EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



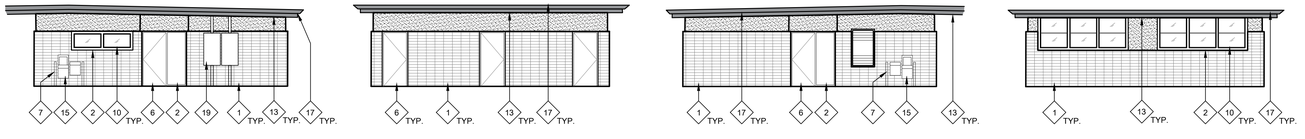
28 BUILDING B EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



27 BUILDING C EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



26 BUILDING C EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

THESE NOTES APPLY TO THIS SHEET ONLY.

1. THOROUGHLY POWER WASH AND CLEAN ALL SURFACES RECEIVING NEW PAINT. PRIME AND PREPARE ALL SURFACES, FILL CRACKS, VOIDS AND HOLES WITH MATERIAL SUITABLE TO SUBSTRATE. SCRAPE AND SAND LOOSE AND PEELING PAINT. SEE SPECIFICATIONS FOR ADDITIONAL SURFACE PREP INSTRUCTIONS AND INFORMATION. CONTRACTOR TO PROVIDE (1) BODY COLOR, (1) METAL FASCIA COLOR, (1) DOOR COLOR, AND (8-10) ACCENT, TRIM, RAILING, CMU BLOCK, METAL ACCENTS, AND CANOPY COLORS. SOME COLORS MAY REQUIRE DIFFERENT SHEEN OPTIONS AT DIFFERENT SUBSTRATES. SEE LEGEND FOR COLORS. CONTRACTOR IS RESPONSIBLE TO CLEAN ALL PAINT OVER-SPRAY.
2. PAINT ALL (E) PAINTED EXTERIOR SURFACES INCLUDING, BUT NOT LIMITED TO THE FOLLOWING (SEE SPECIFICATION SECTIONS FOR ADDITIONAL SCOPE INFO):
   - WALLS, INCLUDING FOUNDATION STEM WALLS TO GRADE OR PAVING
   - WALL LOUVERS
   - FASCIAS, GUTTERS, AND DOWNSPOUTS
   - CAP & EDGE FLASHINGS
   - CANOPIES INCLUDING UNDERSIDES
   - EXTENDED ROOF OVERHANGS AND COVERED WALKS INCLUDING UNDERSIDES
   - WINDOW FRAMES
   - INTERIOR & EXTERIOR SURFACES OF EXTERIOR DOORS AND DOOR FRAMES
   - DOOR MULLIONS AT PAIR DOORS
   - PAINTED INFILL PANELS AT WINDOW LOCATIONS
   - MISCELLANEOUS TRIM AND MOLDINGS
   - PAINTED ORNAMENTAL IRON FENCING AND GATES (IF NOT NEW SYSTEM)
   - RELOCATABLE CLASSROOM BUILDINGS AND SKIRTS
   - RELIEF AIR VENTS, EXHAUST FANS AND OTHER MECH. ITEMS EXPOSED TO VIEW
   - HANDRAILS AND GUARDRAILS
   - OTHER ITEMS SPECIFICALLY IDENTIFIED ON THE DRAWINGS
   - ELEVATOR SHAFT BUILDING
   - WALL-MOUNTED CONDUIT AND PIPING
3. DO NOT PAINT MISCELLANEOUS OUT-BUILDINGS, "TUFF SHEDS", STEEL "CONEX" STORAGE CONTAINERS OR OTHER STORAGE BUILDINGS U.O.N.
4. THOROUGHLY POWER WASH AND CLEAN ALL BRICK SURFACES. DO NOT PAINT EXISTING BRICK. PROTECT IN PLACE DURING CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PAINTING.
6. PAINT ALL CONDUIT TO MATCH ADJACENT SURFACE COLOR U.O.N. WITH A COMPATIBLE METAL PAINT PER SPECIFICATIONS. NOT ALL INDIVIDUAL CONDUIT LINES MAY BE SHOWN ON ELEVATIONS. FIELD VERIFY PRIOR TO PAINTING.
7. REMOVE ALL EXTERIOR EXPANDED WIRE MESH SECURITY SCREENS IN ORDER TO PERFORM PAINTING SCOPE. THOROUGHLY CLEAN AND REINSTALL.
8. DO NOT PAINT EXISTING FACTORY FINISHED MATERIALS U.O.N, INCLUDING; FIRE ALARM STROBE / HORNS, LIGHT FIXTURE BODIES & LENSES, BELLS, SPEAKERS, ETC.. EXISTING CAGES AROUND THESE ITEMS, WHERE OCCUR, SHALL BE REMOVED, PREPARED, PAINTED AND REINSTALLED.
9. CAREFULLY MASK ALL DOOR HARDWARE NOT BEING REMOVED. ANY NEW PAINT FOUND ON DOOR HARDWARE WILL REQUIRE THE CONTRACTOR TO REMOVE THE HARDWARE COMPONENTS, CLEAN AND REINSTALL AT NO ADDITIONAL COST TO THE OWNER. DO NOT PAINT CLEAR ANODIZED ALUMINUM HINGES AT DOORS.

NEW WORK KEYNOTES:

TYPICAL TO ALL EXTERIOR ELEVATION SHEETS. NOT ALL MAY BE USED ON THIS SHEET.

1. (E) BRICK TO REMAIN. POWER WASH/THOROUGHLY CLEAN AND PROTECT IN PLACE DURING CONSTRUCTION.
2. PRIME AND PAINT BUILDING TRIM AND WINDOW FRAMES. PATCH OR REPLACE ALL DAMAGED OR ROTTED OUT WOODEN TRIM PRIOR TO PAINTING.
3. PRIME AND PAINT ALL EXPOSED CONDUIT AND CONDUIT MOUNTING STRAPS. AT GAS LINES, PRIME AND PAINT SAFETY BAND AT CORNERS AND INTERSECTIONS.
4. PRIME AND PAINT EXISTING WOOD SIDING.
5. PRIME AND PAINT METAL COLUMNS AND DOWNSPOUTS AND ALL ATTACHED SCUPPER BOXES AND MOUNTING STRAPS (WHERE APPLICABLE).
6. PRIME AND PAINT DOOR AND DOOR FRAME AND INTERMEDIATE MULLION WHERE OCCURS. MASK AROUND HARDWARE. ONLY REMOVE HARDWARE WHERE NECESSARY. REPLACE WEATHER STRIPPING AT ALL DOORS. SEE DOOR SCHEDULE FOR DOORS REQUIRING NEW BACKER ROD AND CAULKING.
7. PAINT (E) HANDRAILS, GUARDRAILS, AND POSTS. PROTECT SURROUNDINGS FROM OVER-SPRAY.
8. EXISTING HVAC UNIT - DO NOT PAINT.
9. REMOVE (E) INFILL PANELS AND INSTALL NEW COMPOSITE PANEL. SEE SPECS.
10. CLEAN EXISTING ALUMINUM WINDOW FRAMES. DO NOT PAINT.
11. REMOVE WALL MOUNTED SIGNAGE AND BULLETIN BOARDS PRIOR TO CLEANING AND PAINTING. REINSTALL IN SAME LOCATION.
12. PRIME AND PAINT CANOPY FASCIAS
13. PRIME AND PAINT UNDERSIDE OF CANOPY OVERHANG.
14. PRIME AND PAINT WINDOW INFILL PANELS.
15. EXISTING DRINKING FOUNTAIN. DO NOT PAINT. PROTECT IN PLACE.
16. PRIME AND PAINT EXISTING CHAIN LINK DRINKING FOUNTAIN CAGE.
17. (E) FASCIAS HAVE DRYROT AND REQUIRE SIGNIFICANT PREP TO OBTAIN SUITABLE SUBSTRATE FOR NEW PAINT SYSTEM. CONTRACTOR SHALL BID APPROPRIATE LABOR FOR SURFACE PREP PRIOR TO PRIMING/PAINTING WOOD FASCIAS. ARCHITECT SHALL INSPECT AND ACCEPT PREPPED SURFACES PRIOR TO PRIMING AND PAINTING.
18. PRIME AND PAINT (E) METAL ROLL-UP DOOR.
19. EXISTING ELECTRICAL EQUIPMENT. DO NOT PAINT. PROTECT IN PLACE.
20. REMOVE (E) EXPANDED WIRE MESH AT WINDOWS. CLEAN EACH ONE THOROUGHLY. CLEAN ALUMINUM WINDOW FRAMES, AND REINSTALL MESH.
21. NEW FLOOR-MOUNTED DRINKING FOUNTAIN GUARDRAILS. SEE DETAIL 6/A002.

LEGEND:

LEGEND TYPICAL TO ALL EXTERIOR ELEVATION SHEETS.
ALL HATCHES MAY NOT BE USED ON THIS SHEET.

- (E) CONCRETE WALLS. PRIME AND PAINT.
- (E) BRICK WALL TO BE CLEANED.
- (E) WOOD SIDING - PRIME AND PAINT
- (E) METAL FASCIA TO BE PRIMED AND PAINTED. SOME AREAS NEED ADDITIONAL PREP. SEE KEYNOTES AND PAINT SPECS FOR ADDITIONAL INFORMATION.
- DEMO EXISTING COMPOSITE INFILL PANELS AND REPLACE WITH NEW COMPOSITE PANELS.

KEYPLAN:

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ARCHITECT

DSA SUBMITTAL

REVISIONS

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DATE: 10/01/2024

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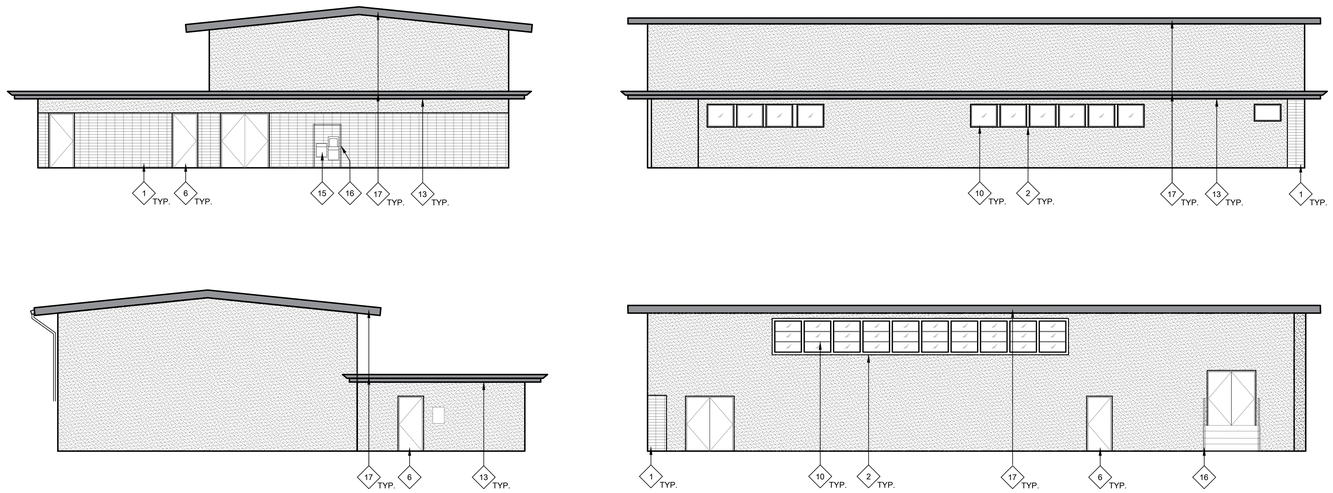
SHEET TITLE

EXTERIOR ELEVATIONS

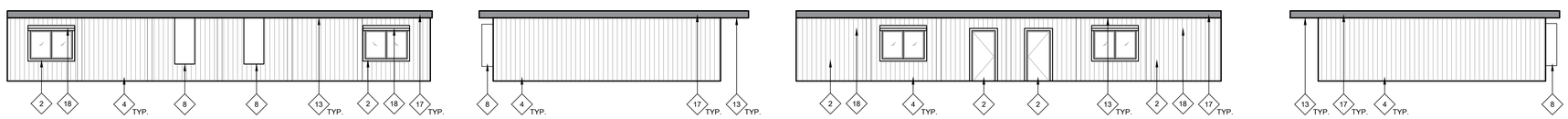
SHEET NO.

A700



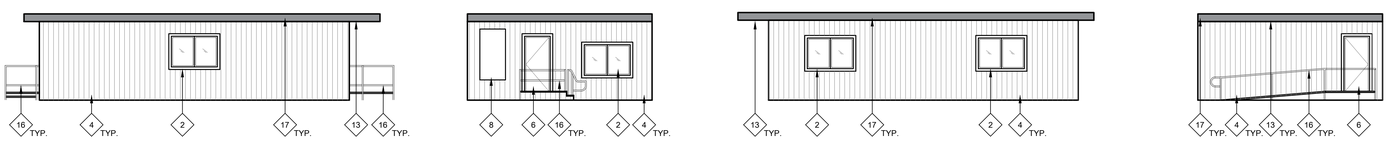
29 BUILDING C EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



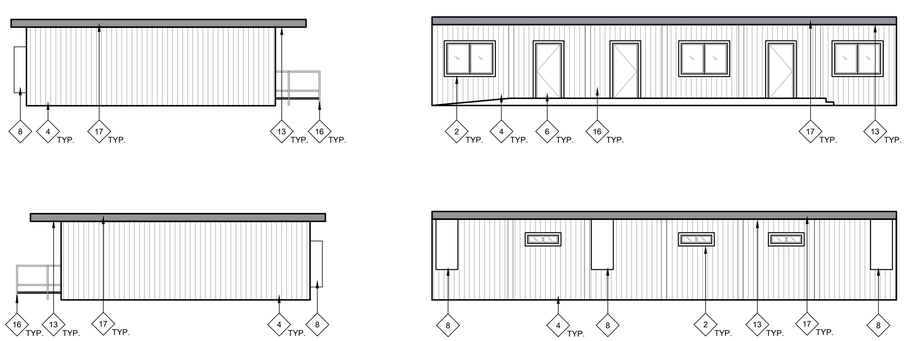
28 BUILDING C EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



27 BUILDING C EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



26 BUILDING C EXTERIOR ELEVATIONS

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

EXTERIOR ELEVATIONS

SHEET NO.

A701

NAILING SCHEDULE:

DESCRIPTION	NAILING
ROOF	
1. BLKG BTWN CLG JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRMG BLW	3-8d TOE NAIL, EA END
BLKG BTWN RAFTERS OR TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	2-8d TOE NAIL OR 2-16d END NAIL, EA END
FLAT BLKG TO TRUSS & WEB FILLER	16d FACE NAIL @ 6"cc
2. CLG JOIST TO TOP PLATE	3-8d TOE NAIL EA JOIST
3. CLG JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OV/ PARTITIONS (NO THRUST)	3-16d FACE NAIL
4. CLG JOIST ATTACHED TO PARALLEL RAFTER, LAPS OV/ PARTITIONS (W/ THRUST)	CBC TABLE 2308.7.3.1
5. COLLAR TIE TO RAFTER	3-10d FACE NAIL
6. RAFTER OR TRUSS TO TOP PLATE (SEE CBC SECTION 2308.7.3.1, TABLE 2308.7.3.1)	3-10d TOE NAIL
7. RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS; OR RAFTER TO 2" RIDGE	3-10d TOE NAIL OR 2-16d END NAIL
WALL	
8. STUD TO STUD (NOT BRACED WALL PANELS)	16d @ 24"cc FACE NAIL
9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (BRACED WALL PANELS)	16d @ 6"cc FACE NAIL
10. BUILT UP HEADER (2" TO 2" HEADER)	16d @ 16"cc FACE NAIL
11. CONT HEADER TO STUD	4-8d TOE NAIL
12. TOP PLATE TO TOP PLATE	16d @ 16"cc FACE NAIL
13. TOP PLATE TO TOP PLATE, AT END JOINTS	8-16d EA SIDE OF END JOINT FACE NAIL (24" MIN LAP SPLICE EA END)
14. BOT PLATE TO JOIST, RIM, BAND JOIST OR BLKG (NOT @ BRACED WALL PANELS)	16d @ 16"cc
15. BOT PLATE TO JOIST, RIM, BAND JOIST OR BLKG (BRACED WALL PANELS)	2-16d @ 16"cc
16. STUD TO TOP OR BOT PLATE	4-8d TOE NAIL
17. TOP OR BOT PLATE TO STUD	2-16d END NAIL
18. TOP PLATED, LAPS AT CORNERS & INTERSECTIONS	2-16d FACE NAIL
19. 1" BRACE TO EA STUD & PLATE	2-8d FACE NAIL
20. 1x6 SHEATHING TO EA BEARING	2-8d FACE NAIL
21. 1x8 & WIDER SHEATHING TO EA BEARING	3-8d FACE NAIL
FLOOR	
22. JOIST TO SILL, TOP PLATE OR GIRDER	3-8d TOE NAIL
23. RIM JOIST, BAND JOIST, OR BLKG TO TOP PLATE, SILL, OR OTHER FRAMING BLW	8d @ 6"cc TOE NAIL
24. 1x6 SUB FLOOR OR LESS TO EA JOIST	2-8d FACE NAIL
25. 2" SUB FLOOR TO JOIST OR GIRDER	2-16d FACE NAIL
26. 2" PLANKS EA BEARING (PLANK & BEAM, FLOOR & ROOF)	2-16d FACE NAIL
27. BUILT UP GIRDERS & BEAMS, 2" LUMBER LAYERS	10d @ 24"cc FACE NAIL AT TOP & BOT, STAGGER ON OPPOSITE SIDES
28. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16d EA JOIST OR RAFTER FACE NAIL
29. JOIST TO BAND JOIST OR RIM JOIST	3-16d END NAIL
30. BRIDGING OR BLKG TO JOIST, RAFTER OR TRUSS	2-8d TOE NAIL EA END

CONCRETE NOTES:

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE 2022 CBC AND ACI 318-19.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT PER ACI 301 AND HAVE PROPORTIONS OF CEMENT, COARSE AND FINE AGGREGATE, WATER AND ADMIXTURES TO PRODUCE THE PROPERTIES SPECIFIED FOR EACH CONCRETE MIX TYPE PER ACI 301 ON THE BASIS OF PREVIOUS FIELD EXPERIENCE AND SUPPORTED BY PREVIOUS TEST RECORDS.
3. STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
   - 3.1 FOR USE AT EXTERIOR CONCRETE EQUIPMENT SLABS
     28-DAY STRENGTH, F'c = 3,500 PSI
     MAX AGGREGATE SIZE = $\frac{3}{4}$"
     MAX WATER TO CEMENT RATIO = 0.50
     SLUMP = 4" ± 1"
   - 3.2 FOR USE AT INTERIOR CONCRETE SLABS
     28-DAY STRENGTH, F'c = 4,000 PSI
     MAX AGGREGATE SIZE = $\frac{3}{4}$"
     MAX WATER TO CEMENT RATIO = 0.45
     SLUMP = 3" ± 1"
4. CONSTITUENTS OF STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:
   - 4.1 PORTLAND CEMENT PER ASTM C-150 TYPE I OR II
   - 4.2 COARSE AND FINE AGGREGATES PER ASTM C-33
   - 4.3 REINFORCING PER ASTM A615 GRADE 60, UNO
   - 4.4 FLY ASH PER ASTM C-618 CLASS N OR F
   - 4.5 ADMIXTURES PER PROJECT SPECIFICATIONS
5. ALL DEBRIS SHALL BE REMOVED FROM FORMS AND FOOTING EXCAVATIONS PRIOR TO POURING CONCRETE. NO WOOD STAKES OR FORM SPREADERS SHALL BE PERMITTED IN CONCRETE.
6. ALL REINFORCEMENT, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SECURED IN POSITION SHOWN ON DRAWINGS PRIOR TO PLACING CONCRETE.
7. FREE-FALL OF CONCRETE SHALL BE LIMITED TO 4'-0" MAX. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL SO AS TO CAUSE SEPARATION OF AGGREGATES.
8. CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION PER ACI 309 BY MEANS SUITABLE FOR ON SITE CONDITIONS. USE HAND RODDING OR TAMPING AS REQUIRED.
9. CONSTRUCTION JOINTS SHALL HAVE ALL LOOSE MATERIAL REMOVED AND SHALL BE INTENTIONALLY ROUGHENED TO ¼" AMPLITUDE PRIOR TO POURING CONCRETE. CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LOCATIONS TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
10. ALL FORMWORK TO REMAIN IN PLACE FOR DURATION AS REQUIRED BY LATEST EDITION OF ACI 318.
11. REFER TO ACI RECOMMENDATIONS FOR PLACING AND CURING CONCRETE IN COLD AND HOT WEATHER CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONCRETE MIX DESIGN WITH BATCH PLANT TO PROVIDE CONCRETE MIX APPROPRIATE FOR SITE CONDITIONS
12. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND IMPLEMENTING APPROPRIATE CURING PROCEDURES FOR ACTUAL SITE/WEATHER CONDITIONS AND SHALL INCLUDE PROVISIONS FOR INCLEMENT WEATHER. REFER TO ACI 308R.
13. ALL SLABS SHALL BE FLAT AND LEVEL W/A TOLERANCE OF $\frac{3}{16}$" IN 10' FOR FLATNESS AND MINIMUM LOCAL VALUE F = 32 PER ASTM 1155. THE PROJECT OWNER MAY REJECT ANY CONSTRUCTION THAT DOES NOT MEET THE FLATNESS CRITERIA NOTED WITH REPLACEMENT AT CONTRACTOR'S EXPENSE.
14. CONDUITS AND PIPES EMBEDDED IN THE SLAB (OTHER THAN THOSE PASSING VERTICALLY THROUGH) SHALL NOT BE PERMITTED. CONTRACTOR TO SUBMIT FOOTING PENETRATIONS TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
15. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR A MINIMUM OF 48 HOURS BEFORE PLACING CONCRETE.

STEEL REINFORCING NOTES:

1. ALL CONCRETE REINFORCING SHALL CONFORM TO THE 2022 CBC AND BE DETAILED, FABRICATED, AND PLACED PER ACI 318-19, AND PER THE LATEST EDITION OF ACI 315.
2. REINFORCEMENT SHALL BE DEFORMED BILLET STEEL PER ASTM A-615, GRADE 60. ALL REINFORCEMENT TO BE WELDED SHALL BE ASTM A-706, GRADE 60 (SEE NOTE 10 BELOW).
3. ALL BENDING OF REINFORCEMENT PER ACI. FIELD BENDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
4. REINFORCEMENT IN SLABS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS PROVIDED.
5. LAP SPLICES OF CONCRETE REINFORCEMENT
   - 5.1 #3 BARS = 30"
   - 5.2 #4 BARS = 40"
   - 5.3 #5 BARS = 48"
   - 5.4 #6 BARS = 60"
6. ALL ADJACENT REINFORCING LAPS ARE TO BE STAGGERED A MINIMUM OF 5'-0".
7. REINFORCING SHALL BE PLACED WITH THE FOLLOWING MINIMUM CLEAR COVERAGE, UNO:
   - 7.1 POURED AGAINST EXCAVATIONS/GROUND = 3"
   - 7.2 POURED AGAINST FORMS, EXPOSED TO SOIL = 2"
   - 7.3 CONCRETE EXPOSED TO WEATHER =1$\frac{1}{2}$"
   - 7.4 SLABS ON GRADE - CENTER REINFORCING WITHIN SLAB DEPTH
8. REINFORCING SHALL BE TIED IN PLACE. TACK WELDING OF REINFORCING IS NOT PERMITTED.
9. WHERE REINFORCING IS NOT SPECIFIED, REFER TO ACI 318 FOR MINIMUM REINFORCEMENT.
10. WELDING OF REINFORCING IS NOT PERMITTED UNLESS SHOWN ON THESE DRAWINGS OR WITH PRIOR WRITTEN APPROVAL FROM THE SEOR.

ROUGH CARPENTRY-MATERIALS:

1. ALL SAWN LUMBER SHALL BE DOUG FIR UNO AND HAVE MOISTURE CONTENT NOT TO EXCEED 19% AT TIME OF INSTALLATION. EACH PIECE SHALL BEAR THE STAMP OF WCLIB OR WWPA SHOWING GRADE MARK.
2. ALL SAWN LUMBER TO BE SPECIES & GRADE AS NOTED BELOW:

MEMBER	SPECIES & GRADE
2x_ & 3x_STUDS	#1 DF
2x_ JOISTS, PLATES	#1 DF
4x_ HEADERS	#1 DF
4x_ COLUMNS	#1 DF
6x_ & LARGER HEADERS	SS DF
6x_ & LARGER COLUMNS	SS DF

   - 2.1 MATERIAL EXPOSED TO WEATHER OR IN CONTACT W/CONCRETE SHALL BE PRESSURE TREATED
   - 2.2 OPTIONAL FOR EXPOSED 8X_ BEAMS & POSTS TO BE #1 AC IN LIEU OF TREATED DF
   - 2.3 STUDS TALLER THAN 12'-0" SHALL BE #1 DF
3. PRESERVATIVE TREATED & PRESSURE TREATED LUMBER
   - 3.1 SAWN LUMBER TO BE PROTECTED FROM EARTH, WEATHER, EARTH, & CONCRETE/CMU OR WOOD SHALL BE TREATED
   - 3.2 PRESERVATIVE TREATMENT & CLEARANCES TO SOIL OR CONCRETE SHALL BE PER CBC 2303.1.9 & 2304.12.1.2
   - 3.3 FIELD CUTS & HOLES IN TREATED LUMBER SHALL BE PROTECTED IN ACCORDANCE W/AWPA STANDARD M4
   - 3.4 CONTRACTOR TO COORDINATE WITH TREATED WOOD SUPPLIER TO DETERMINE THE APPROPRIATE LEVEL OF CORROSION PROTECTION FOR HARDWARE & FASTENERS IN CONTACT WITH WOOD TREATED WITH CORROSIVE CHEMICALS.
4. ALL WOOD PANEL STRUCTURAL SHEATHING SHALL BE STAMPED W/APA TRADEMARK AND CONFORM TO MOST CURRENT EDITION OF PS-1. USE THICKNESS AND NAILING AS SHOWN ON DRAWINGS. SHEATHING SHALL HAVE EXPOSURE RATING AS APPROPRIATE FOR ON-SITE EXPOSURE CONDITIONS DURING CONSTRUCTION AND IN FINAL CONDITION.

ROUGH CARPENTRY-NAILS:

1. ALL SPECIFIED NAILS SHALL CONFORM TO ASTM F1667 OR ICC ESR-1539. ALTERNATE FASTENERS MUST HAVE AN ICC EVALUATION REPORT AND MAY NOT BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. ALL NAILS SHALL BE FULL ROUND HEAD WITH MINIMUM PROPERTIES AS FOLLOWS:

SPECIFIED FASTENER	DIAMETER	LENGTH	PENETRATION	APPLICATION
8d	.131"Ø	2½"	1⅜"	SHTG/FRMG
10d	.148"Ø	3"	1½"	SHTG/FRMG
16d BOX	.135"Ø	3½"	1⅜"	FRMG
16d SINKER	.148"Ø	3¼"	1½"	FRMG
16d COMMON	.162"Ø	3½"	1⅝"	FRMG

ALL NAILS SHALL BE COMMON WIRE NAILS EXCEPT WHERE SPECIFICALLY NOTED

2. NAILS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD. PREDRILL ALL FASTENERS 75% MAX OF FASTENER DIAMETER WHERE WOOD TENDS TO SPLIT.
3. TOENAILS SHALL BE DRIVEN AT AN ANGLE OF APPROX 30° WITH THE MEMBER AND STARTED APPROX ½ THE LENGTH OF THE NAIL FROM THE MEMBER END.
4. NAILS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.
5. MINIMUM NAILING SHALL BE PER CBC TABLE 2304.10.1 UNO (SEE TABLE ON THIS SHEET
6. NAILS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, NAILS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.
7. SHEATHING NAILS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN ARE FLUSH WITH THE SURFACE OF THE SHEATHING.

ROUGH CARPENTRY-HARDWARE:

1. ALL STEEL CONNECTORS, STRAPS, HANGERS, HARDWARE, ETC SHALL BE BY SIMPSON STRONG-TIE OR APPROVED EQUAL UNO. ATTACH WITH FASTENERS PER MFR TO ACHIEVE THE MAXIMUM TABULATED VALUE.
2. HARDWARE COMPONENTS AND FASTENERS INSTALLED AGAINST OR INTO TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, ALL HARDWARE AND FASTENERS INTO/AGAINST TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED (G185 MIN FOR HARDWARE) OR STAINLESS STEEL.
3. INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.
4. NAILS FOR HARDWARE SHALL NOT BE OVERDRIVEN OR DEFORM THE PART. THE CONTRACTOR SHALL VERIFY WITH THE HARDWARE MFR THAT THE PART PUBLISHED CAPACITIES ARE NOT REDUCED AS A RESULT OF THE INSTALLED CONDITION.
5. FASTENER SUBSTITUTIONS FOR HARDWARE ARE NOT ALLOWED UNLESS APPROVED FOR USE BY THE MFR AND THE HARDWARE CAPACITY IS NOT REDUCED.
6. WASHERS AT WOOD CONNECTIONS SHALL BE SQUARE PLATE STEEL OR MALLEABLE IRON WITH THE FOLLOWING MIN DIMENSIONS:

FASTENER DIAMETER	MIN WASHER DIMENSIONS	MIN THICKNESS
½"	2" x 2"	$\frac{5}{16}$"
⅝"	2½" x 2½"	¼"
¾"	2½" x 2¾"	$\frac{5}{16}$"
⅞"	3" x 3"	$\frac{5}{16}$"
1"	3½" x 3½"	⅜"

ROUGH CARPENTRY-LAG SCREWS:

1. ALL SPECIFIED LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.
2. LEAD HOLES FOR LAG SCREWS SHALL BE BORED TO AVOID SPLITTING OF WOOD MEMBERS. THE LEAD HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AND LENGTH AS THE UNTHREADED SHANK. THE LEAD HOLE FOR THE THREADED PORTION SHALL NOT EXCEED 70% OF THE SHANK DIAMETER AND HAVE MIN LENGTH EQUAL TO THREADED PORTION.
3. LAG SCREWS SHALL BE INSTALLED BY TURNING OF THE LAG SCREW & NOT BY DRIVING OF A HAMMER.
4. SOAP OR OTHER LUBRICANT MAY BE USED ON THE LAG SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE LAG SCREW.
5. LAG SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, LAG SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.
6. LAG SCREWS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER WITH CORROSION PROTECTION TO MATCH THE LAG SCREW.
7. ALL LAG SCREWS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

DESIGN CRITERIA:

1. PROJECT ADDRESS: 4915 HARTE WAY
   SACRAMENTO, CA 95822
2. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE
   2022 CALIFORNIA EXISTING BUILDING CODE
3. GRAVITY LOADS: (ESTIMATES OF AS-BUILT CONDITIONS)
   BUILDING ROOFS
   ROOF LIVE LOAD = 20 PSF (REDUCIBLE)
   ROOF DEAD LOAD = 14 PSF
   WALL WEIGHTS
   EXTERIOR WALLS = 15 PSF
   INTERIOR WALLS = 10 PSF
4. LATERAL LOADS: RISK CATEGORY III
   WIND LOADS (ASCE 7-16)
   BASIC WIND SPEED 100 MPH (77 MPH ASD)
   EXPOSURE C
   BUILDINGS ARE CONSIDERED "ENCLOSED"
   PRESSURE COEFFICIENTS
   INTERNAL PRESSURE COEFFICIENT, GC_{pi}= ± 0.18
   TOPOGRAPHIC FACTOR, K_{zt}= 1.00
   WIND DIRECTIONALITY FACTOR, K_d= 0.85
   GROUND ELEVATION FACTOR, K_e= 1.00
   VELOCITY PRESSURES
   q (0'-15') = 11.0 PSF (ASD)
   q (15'-20') = 11.6 PSF (ASD)
   q (20'-25') = 12.3 PSF (ASD)
   SEISMIC LOADS (ASCE 7-16)
   SITE CLASS D
   SEISMIC DESIGN CATEGORY D
   S_s = 0.578 S_1 = 0.255
   F_a = 1.338 F_v = NA
   S_{ms}= 0.773 S_{m1}= NA
   S_{ds}= 0.516 S_{d1}= NA
   MECHANICAL EQUIPMENT (ASCE 7-16)
   IMPORTANCE FACTOR, I_p 1.00
   RESPONSE MOD FACTOR, R_p 6.0
   AMPLIFICATION FACTOR, a_p 2.5
5. SOILS CRITERIA:
   PRESUMPTIVE LOAD-BEARING VALUES FROM TABLE 1806A.2
   ALLOWABLE BEARING PRESSURE (D+L) = 1,500 PSF

INSPECTION NOTES:

1. ALL TESTS AND INSPECTIONS ARE TO BE PROVIDED BY A QUALIFIED TESTING LAB OF RECORD, HIRED BY THE DISTRICT (T-24 PART 1, 4-335).
2. ALL TESTS AND INSPECTIONS SHALL CONFORM TO CHAPTER 17A OF THE 2022 CBC AND THE PROJECT SPECIFIC DSA-103.
3. ALL SPECIAL INSPECTORS SHALL HAVE A MINIMUM OF THREE YEARS OF EXPERIENCE WITH MATERIAL BEING INSPECTED.
4. ITEMS EXEMPTED FROM TESTING AND INSPECTION REQUIREMENTS PER DSA-103:
   - 4.1 BATCH PLANT INSPECTION FOR CONCRETE USED IN EXTERIOR NON-STRUCTURAL CONCRETE.
   - 4.2 EPOXY DOWELS USED IN INTERIOR NON-STRUCTURAL CONCRETE.
   - 4.3 TESTING OF REINFORCING STEEL USED IN EXTERIOR NON-STRUCTURAL CONCRETE.

POST INSTALLED ANCHOR NOTES:

1. ALL POST INSTALLED ANCHORS ARE TO BE INSTALLED PER MANUFACTURER FOR EACH ANCHOR AND PER THE ICC REPORTS LISTED BELOW.
2. ALL POST-INSTALLED ANCHORS ARE TO BE CAREFULLY INSTALLED SO AS TO NOT DISTURB OR DAMAGE THE STEEL REINFORCING IN ANY WAY. ANCHORS MAY NOT BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED A MINIMUM AGE OF 28 DAYS.
3. ALL HOLES FOR DRILLED-IN ANCHORS SHALL BE COMPLETELY DRY AND WELL CLEANED WITH A BOTTLE BRUSH AND COMPRESSED AIR PRIOR TO INSTALLING THE ANCHORS.
4. ALL DRILLED-IN ANCHORS SHALL BE TESTED PER CHAPTER 17A OF THE 2022 CBC. ALL TESTING SHALL BE DONE BY A CERTIFIED TESTING LABORATORY AND SHALL BE PERFORMED IN THE PRESENCE OF A SPECIAL INSPECTOR.
5. POST-INSTALLED ANCHORS ARE TO BE AS FOLLOWS:
   - 5.1 EXPANSION ANCHORS IN CONCRETE
     HILTI KB TZ2 PER ICC ESR 4266
   - 5.2 EPOXY ANCHORS IN CONCRETE
     HILTI HIT-HY 200 V3 PER ICC ESR 4868
6. POST-INSTALLED ANCHORS ARE TO BE INSTALLED ONLY WHERE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS, WITH EMBEDMENTS AND PROOF TESTING AS SPECIFICALLY IDENTIFIED IN EACH APPLICABLE DETAIL. FOR ADDITIONAL INFORMATION, UNO, FOR EXPANSION ANCHORS, SEE TABLE BELOW.
7. POST-INSTALLED ANCHORS MAY NOT BE USED AT LOCATIONS OTHER THAN THOSE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS
SEE ICC ESR-4266 TABLE 1

ANCHOR DIAMETER	$\frac{3}{8}$"Ø	$\frac{1}{2}$"Ø	$\frac{5}{8}$"Ø
BIT DIAMETER	$\frac{3}{8}$"Ø	$\frac{1}{2}$"Ø	$\frac{5}{8}$"Ø
NOMINAL EMBEDMENT	2$\frac{1}{2}$"	2$\frac{3}{4}$"	4$\frac{1}{2}$"
HOLE DEPTH	2$\frac{3}{4}$"	2$\frac{3}{4}$"	4$\frac{1}{2}$"
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

STRUCTURAL SHEET INDEX:

S001 TYPICAL STRUCTURAL NOTES
S002 TYPICAL STRUCTURAL DETAILS
S201 BUILDINGS A & D STRUCTURAL PLANS
S202 BUILDINGS B & C STRUCTURAL PLANS

ABBREVIATIONS:

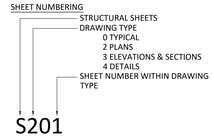
@	AT
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ARCH	ARCHITECT/ARCHITECTURAL
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BLKG	BLOCKING
BLW	BELOW
BTWN	BETWEEN
B.O.	BOTTOM OF
BOT	BOTTOM
CBC	CALIFORNIA BUILDING CODE
cc	CENTER TO CENTER
CJ	COLD JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
Ø	DIAMETER
DWGS	DRAWINGS
DSA	DIVISION OF THE STATE ARCHITECT
ES	EDGE SCREW w/SPACING PER SHEAR WALL DIAGRAMS
F.O.	FACE OF
FRMG	FRAMING
HD	HOLDOWN
HSS	HOLLOW STRUCTURAL SECTION
L	STEEL ANGLE
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MIN	MINIMUM
NTS	NOT TO SCALE
#	NUMBER OR POUNDS
OH	OPPOSITE HAND
OV/	OVER
PAF	POWDER-ACTUATED FASTENER
PJ	PANEL JOINT
SEOR	STRUCTURAL ENGINEER OF RECORD
SMS	SHEET METAL SCREW
T & B	TOP AND BOTTOM
THRU	THROUGH
T.O.	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
w/	WITH

GENERAL NOTES:

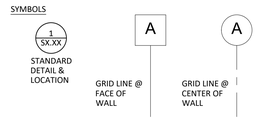
1. ALL NEW WORK SHALL CONFORM TO TITLE 24 2022 EDITIONS WITH AMENDMENTS AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
2. THIS SET OF STRUCTURAL DRAWINGS IS APPLICABLE ONLY TO THE LISTED PROJECT AND SITE LOCATION.
3. NOTES ON THIS SHEET ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN. TYPICAL DETAILS SHALL APPLY FOR ALL LIKE CONDITIONS UNLESS OTHERWISE NOTED OR DETAILED.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, EXISTING CONDITIONS, AND OTHER RELATED ITEMS. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CONFLICTS ARE SHOWN OR NOTED.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO RELEVANT SECTIONS OF THE CALIFORNIA "CONSTRUCTION SAFETY ORDERS" AND ALL OSHA REQUIREMENTS. THE ENGINEER OF RECORD ACCEPTS NO RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY W/ THESE REQUIREMENTS.
6. STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. DESIGN AND CONSTRUCTION OF ALL TEMPORARY BRACING, SHORING, FORMING, ETC REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. A COPY OF TITLE 24 CCR PARTS 1 -5 SHALL BE KEPT ON SITE AT ALL TIMES (T-24 PART 1, 4-317(c).
8. ALL CHANGES TO THE ACCESSIBILITY, FIRE AND LIFE SAFETY, AND STRUCTURAL PORTIONS OF THE APPROVED DRAWINGS SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD). ALL SUCH CHANGES BY CCD ARE TO BE SIGNED BY THE SEOR, THE OWNER, AND APPROVED BY DSA. CHANGES BY CCD ARE NOT VALID UNTIL APPROVED BY DSA (T-24, PART 1, 4-338).
9. A PROJECT INSPECTOR (INSPECTOR OF RECORD, IOR) EMPLOYED BY THE OWNER/DISTRICT AND CERTIFIED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK
10. THE STRUCTURAL ENGINEER SHALL PERFORM DUTIES PER T-24 PART 1, 4-333(a) AND 4-341. THE CONTRACTOR SHALL PERFORM DUTIES PER 4-343. THE IOR SHALL PERFORM DUTIES PER T-24 PART 1, 4-342.

DRAWING STANDARDS:

SHEET NUMBERING



SYMBOLS



DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

CONSULTANT

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
www.nachtlewis.com
916.329.4000

ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

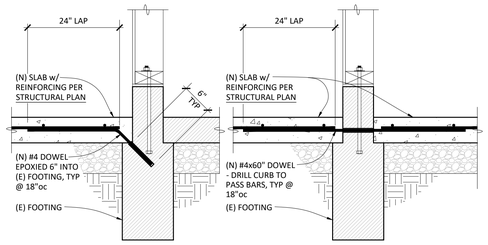
JOB NO.: Y2421.00

SHEET TITLE

TYPICAL STRUCTURAL NOTES

SHEET NO.

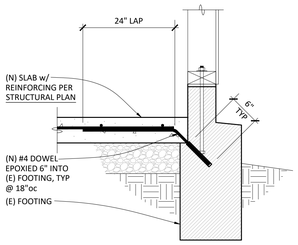
S001



'A' 'B'

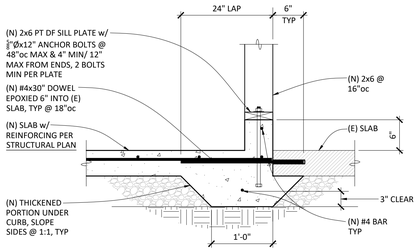
NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST 10% OF DOWELS TO 2,000 LB

DETAIL 12
1" = 1'-0"



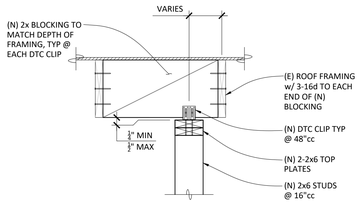
NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST 10% OF DOWELS TO 2,000 LB

DETAIL 13
1" = 1'-0"

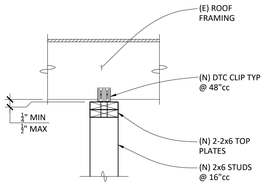


NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST NOT REQUIRED

DETAIL 14
1" = 1'-0"

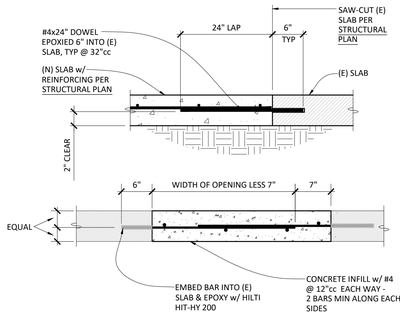


NEW WALL PARALLEL TO EXISTING RAFTERS



NEW WALL PERPENDICULAR TO EXISTING RAFTERS

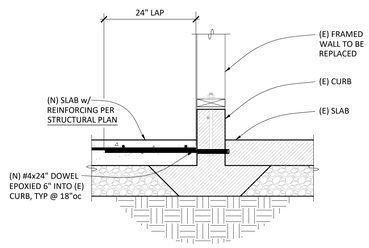
WALL TO ROOF 9



DETAIL NOTES:

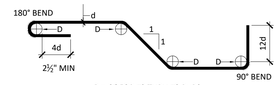
1. ALL SLAB DEMO IS TO BE DONE BY FIRST SAW CUTTING SLAB.
2. WHERE VAPOR BARRIER IS ENCOUNTERED, PATCH EXISTING VAPOR BARRIER WITH 15 MIL STEGO AND SEAL ALL JOINTS
3. MATCH THICKNESS OF EXISTING SLAB, 4" MIN. PROVIDE UNDER-SLAB SUBSTRATE TO MATCH EXISTING CONDITIONS.
4. INSTALL EPOXIED REBAR WITH HILTI HIT-HY 200 V3 PER ICC ESR-4868. PERIODIC INSPECTION NOT REQUIRED .
5. WHERE NEW CONCRETE IS IN CONTACT WITH EXISTING CONCRETE, ROUGHEN AND CLEAN SURFACE, AND APPLY BONDING AGENT.

SLAB PATCHING 10



NOTES:
1. PERIODIC INSPECTION REQUIRED
2. PULL TEST NOTE REQUIRED

DETAIL 11
1" = 1'-0"



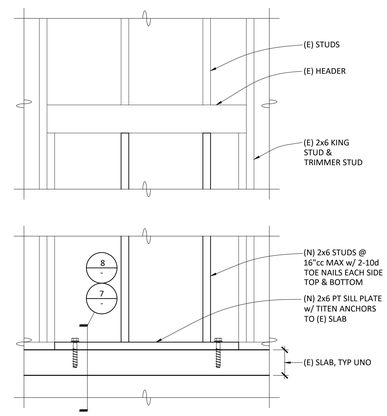
D = 6d FOR #3 THRU #8 BARS
D = 8d FOR #9 THRU #11 BARS

REINFORCING BARS & STANDARD HOOKS

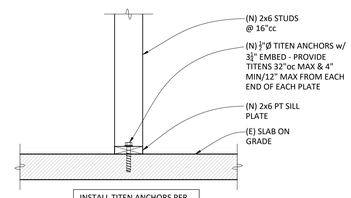
NOTES:

1. THE ABOVE DETAILS ARE PROVIDED TO SPECIFY STAND REBAR BENDS AND BEND EXTENSIONS, TYP UNO.
2. ALL REBAR PLACEMENT IS TO BE AS SHOWN IN PROJECT DETAILS. SEE 'CONCRETE REINFORCEMENT NOTES' ON S0.01.
3. NOT ALL CONDITIONS SHOWN ABOVE WILL APPLY TO THIS PROJECT.

STANDARD REBAR BENDS 5

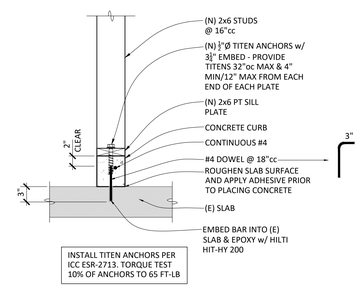


OPENING INFILL 6



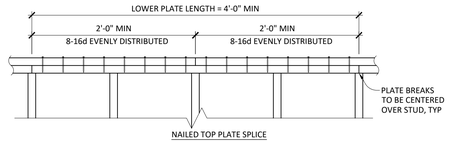
INSTALL TITEN ANCHORS PER ICC ESR-2713. TORQUE TEST 10% OF ANCHORS TO 65 FT-LB

NEW WALL TO EXISTING SLAB 7



INSTALL TITEN ANCHORS PER ICC ESR-2713. TORQUE TEST 10% OF ANCHORS TO 65 FT-LB

NEW CURB 8

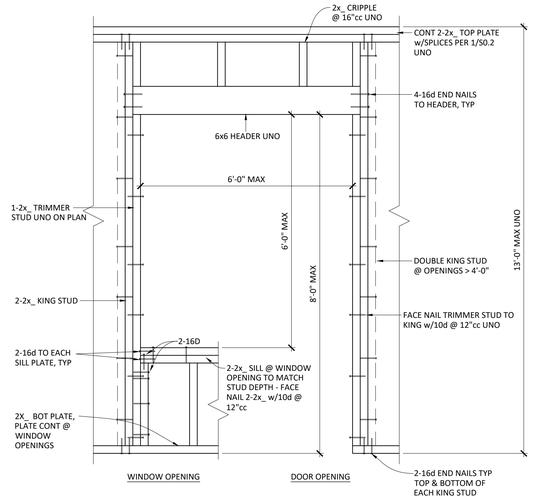


NAILED TOP PLATE SPLICE

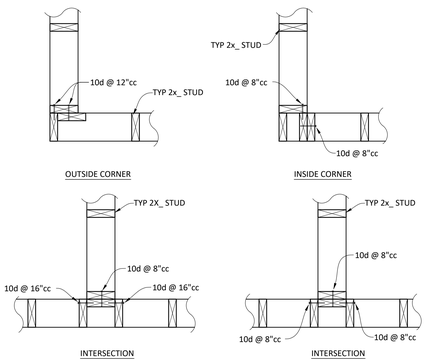
NOTES:

1. PRE-DRILL 75% OF FASTENER DIAMETER AS REQUIRED TO AVOID SPLITTING
2. NO PLATE PENETRATIONS ALLOWED IN SPLICE ZONES

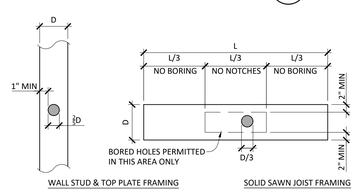
TOP PLATE SPLICE 1



INTERIOR WALL OPENING 2



WALL INTERSECTIONS 3



NOTES:

1) HOLES IN WALL STUDS MAY BE BORED UP TO ⅓D DIAMETER PROVIDED STUDS ARE DOUBLED & HOLES ARE CENTERED IN STUD WIDTH.
2) BORING SHOWN SHALL NOT BE USED AT BEAMS OR POSTS. CONSULT AOR.
3) NOTCHING IS NOT PERMITTED.
4) CLEAR SPCG BTWN BORED HOLES SHALL BE 12" MIN.
5) HOLES IN TOP PLATES SHALL NOT BE LOCATED WITHIN TOP PLATE SPLICE ZONE
6) WHERE TOP PLATE PENETRATIONS EXCEED LIMITS SHOWN, PROVIDE CTS219 EACH SIDE OF BOTH TOP PLATES & ATTACH w/SD #9x1½" SCREWS

THIS DETAIL APPLIES TO INTERIOR NON-STRUCTURAL WALLS AND CEILING JOISTS ONLY. FOR ALL OTHER CONDITIONS, CONTACT SEOR PRIOR TO PROCEEDING WITH BORING ANY HOLES

BORING 4

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION
4915 Harte Way,
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Sacramento City Unified School District

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

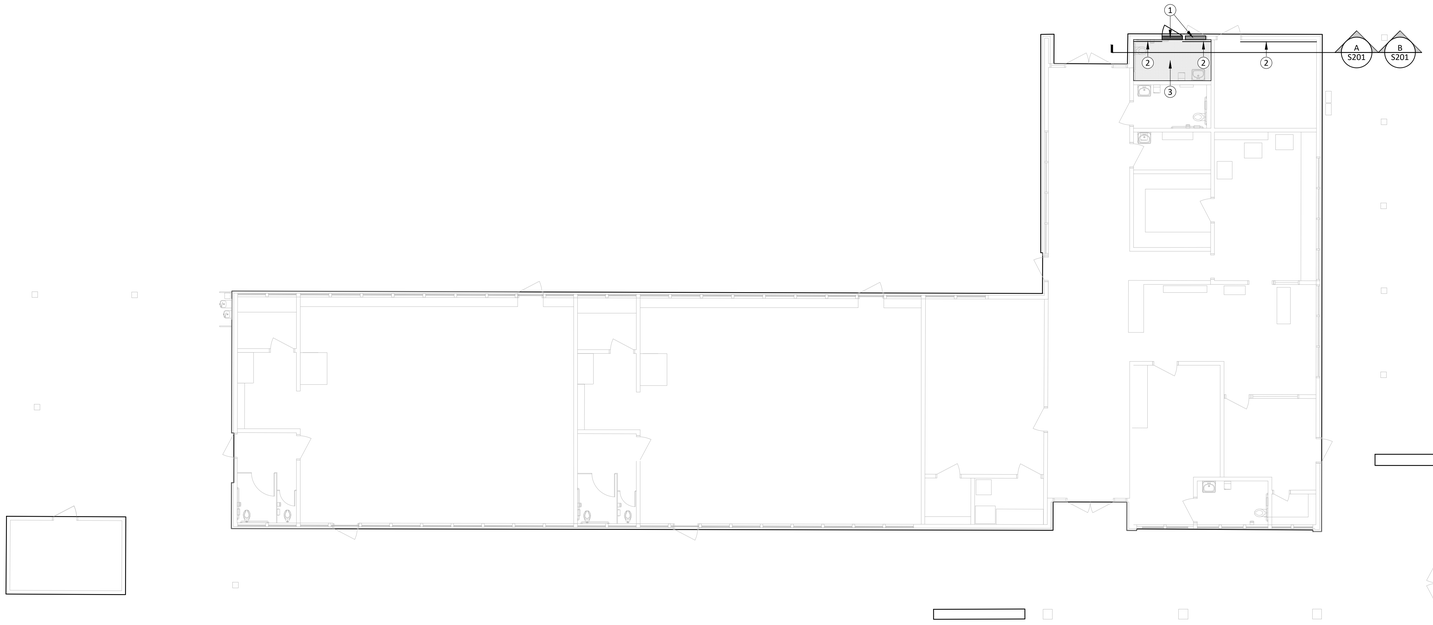
DATE: 10/01/2024
JOB NO.: Y2421.00

SHEET TITLE

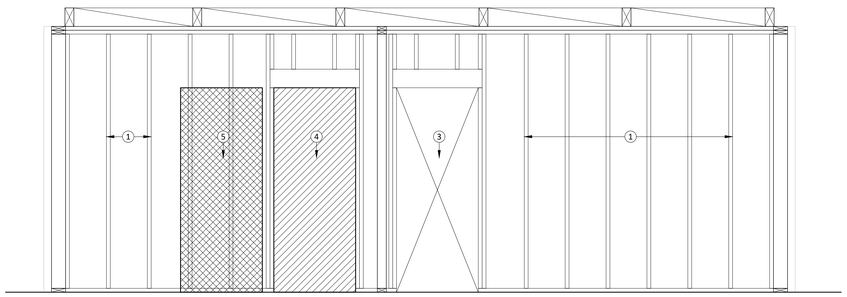
TYPICAL STRUCTURAL DETAILS

SHEET NO.

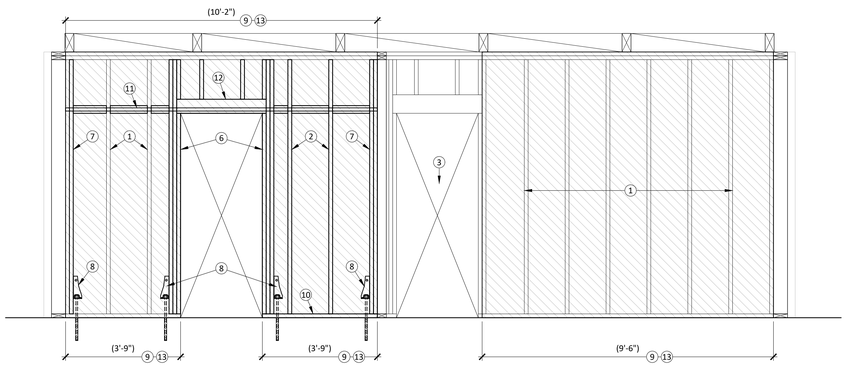
S002



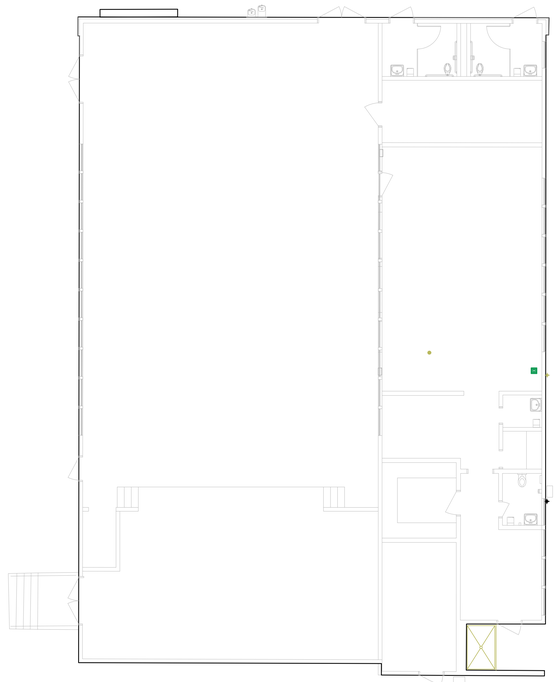
BUILDING A
STRUCTURAL PLAN
1/8" = 1'-0"



WALL FRAMING INTERIOR ELEVATION
EXISTING - BUILDING A
1/2" = 1'-0"
A



WALL FRAMING INTERIOR ELEVATION
NEW - BUILDING A
1/2" = 1'-0"
B



BUILDING D
STRUCTURAL PLAN
1/8" = 1'-0"

N

STRUCTURAL PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE IS LIMITED TO MISCELLANEOUS FRAMING MODIFICATIONS TO ACCOMMODATE A RESTROOM UPGRADE.

STRUCTURAL PLAN LEGEND:

EXISTING STRUCTURAL WALL
EXISTING NON-STRUCTURAL WALL
EXISTING WALL TO BE REMOVED
NEW WALL

STRUCTURAL PLAN KEYNOTES:

1. RELOCATE DOOR OPENING AND INFILL (E) OPENING - SEE A/S201, B/S201 & 2/S002
2. PROVIDE (N) STRUCTURAL SHTG PER B/S201
3. (E) SLAB TO BE SAW CUT, REMOVED AND REPLACED W/ (N) SLAB (AND CURB IF REQUIRED)
   (N) SLAB TO BE REINFORCED W/ #4 BARS @ 18"cc EACH WAY - PROVIDE 15 MIL MINIMUM VAPOR BARRIER BELOW (N) SLAB
   (N) SLAB THICKNESS TO MATCH GREATER OF (E) SLAB THICKNESS OR 4"
   SEE DETAILS 10/S002 THRU 14/S002 AS REQUIRED

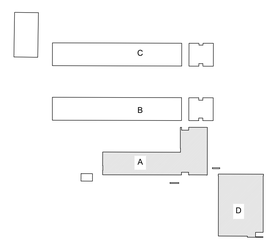
ELEVATION LEGEND:

WALL TO BE INFILLED
WALL TO BE DEMOLISHED
NEW SHEATHING PANELS TO BE ADDED

ELEVATION KEY NOTES:

1. (E) 2x6 STUDS @ 16"cc TO REMAIN
2. (N) 2x6 STUDS @ 16"cc TO BE ADDED - SEE 6/S002
3. (E) OPENING IN WALL TO REMAIN
4. (E) OPENING IN WALL TO BE INFILLED
5. (N) OPENING IN WALL TO BE ADDED - DEMOLISH WALL FROM INTERIOR AS NEEDED FOR SUPPLEMENTAL FRAMING
6. (N) 2-2x6 KING STUDS + 1-2x6 TRIMMER STUD
7. (N) 2-2x6 KING STUD AT HOLDOWN - SEE 2/S002
8. (N) SIMPSON HDU2 HOLDOWN W/ 5/8"Ø THREADED ROD EPOXIED 6" INTO (E) CONCRETE FOOTINGS W/ HILTI HIT-HY 200 V3 - SEE POST INSTALLED ANCHOR NOTES, S001
9. (N) 15/32" PLYWOOD WALL SHEATHING (EXTENTS IN PARENTHESIS) W/ 8d NAILS @ 4"cc FOR EDGE NAILING AND 12"cc FOR FIELD NAILING
10. (N) 2x6 SILL PLATE - SEE 7/S002
11. (N) SIMPSON CS16 STRAP FOR FULL LENGTH OF WALL AT INTERIOR FACE, PROVIDE BLOCKING AS NEEDED BETWEEN STUDS
12. (N) 6x6 HEADER AT (N) OPENING ATTACH EACH END W/ 5-16d NAILS THROUGH 1-2x6 KING STUD INTO THE END GRAIN OF THE HEADER
13. VERIFY AVAILABLE LENGTHS OF SHEAR WALLS IN FIELD AFTER REMOVAL OF FINISHES - NOTIFY SEOR OF ANY CHANGES DO NOT INSTALL SHEATHING WITHOUT PRIOR SEOR APPROVAL

BUILDING KEY PLAN:



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ARCHITECT

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REVISIONS

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DATE: 10/01/2024
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SHEET TITLE

BUILDINGS A & D
STRUCTURAL PLANS

SHEET NO.

S201

STRUCTURAL PLAN NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMPING.
2. STRUCTURAL SCOPE IS LIMITED TO MISCELLANEOUS FRAMING MODIFICATIONS TO ACCOMMODATE A RESTROOM UPGRADE.

STRUCTURAL PLAN LEGEND:

EXISTING STRUCTURAL WALL

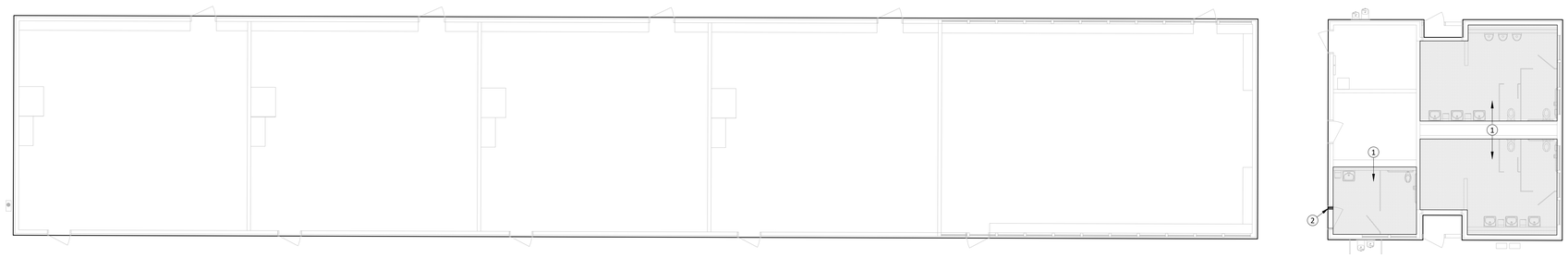
EXISTING NON-STRUCTURAL WALL

EXISTING WALL TO BE REMOVED

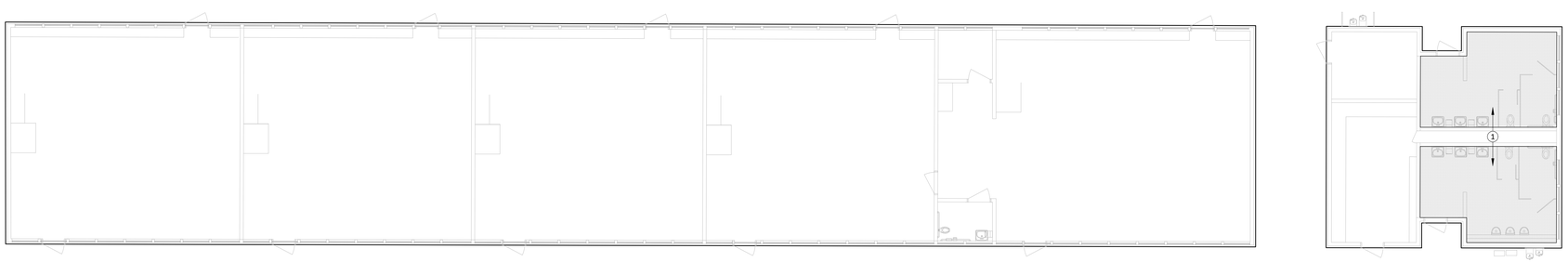
NEW WALL

STRUCTURAL PLAN KEYNOTES:

1. (E) SLAB TO BE SAW CUT, REMOVED AND REPLACED W/ (N) SLAB (AND CURB IF REQUIRED)
   (N) SLAB TO BE REINFORCED W/ #4 BARS @ 18"cc EACH WAY - PROVIDE 15 MIL MINIMUM VAPOR BARRIER BELOW (N) SLAB
   (N) SLAB THICKNESS TO MATCH GREATER OF (E) SLAB THICKNESS OR 4"
   SEE DETAILS 10/S002 THRU 14/S002 AS REQUIRED
2. WIDEN (E) DOOR OPENING FROM 2'-8" TO 3'-0" - SEE 2/S002

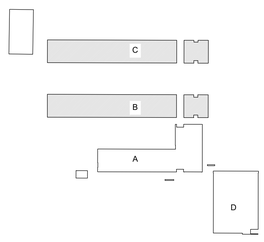


BUILDING C
STRUCTURAL PLAN
$\frac{3}{8}$" = 1'-0"



BUILDING B
STRUCTURAL PLAN
$\frac{3}{8}$" = 1'-0"

BUILDING KEY PLAN:



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ARCHITECT

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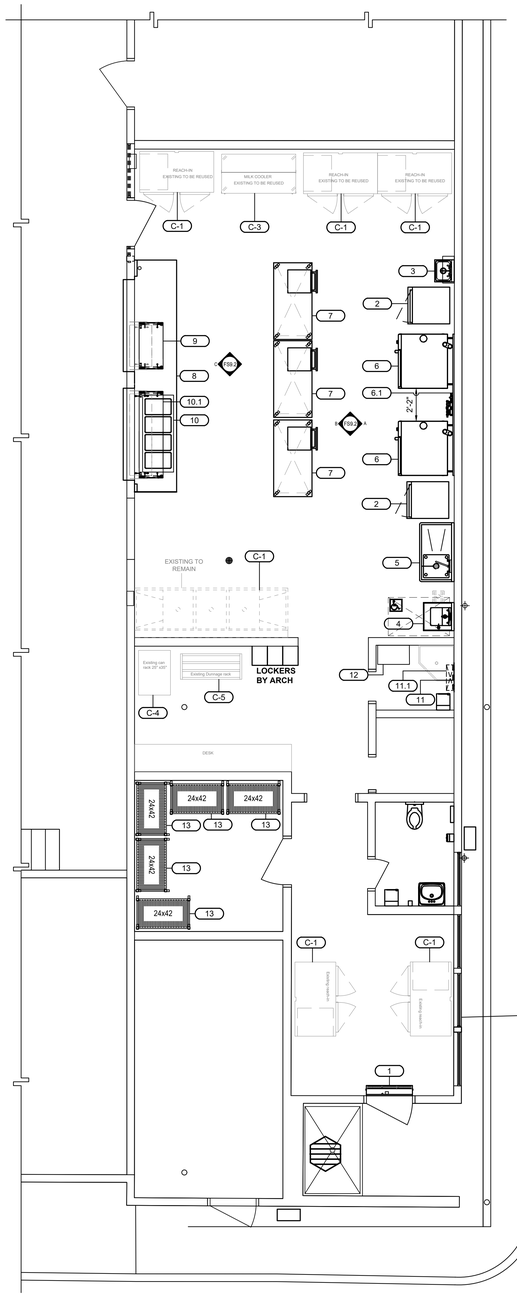
SHEET TITLE

BUILDINGS B & C
STRUCTURAL PLANS

SHEET NO.

S202



FOODSERVICE EQUIPMENT FLOOR PLAN

SCALE : 1/4" = 1'-0"

1
FS1.1

EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS	EQUIPMENT WT. (LBS)	ANCHORAGE DETAIL
1	1	AIR CURTAIN, UNHEATED	BERNER	SLC07-1036A		45	C/FS8.1
2	2	HOLDING CABINET, HEATED	F.W.E.	UHST-13		410	H/FS8.2
3	1	HAND SINK, WALL MOUNT	ADVANCE TABCO	7-PS-68		21	A/FS8.2
4	1	SINK, HAND, WALL MOUNT	EAGLE GROUP/METAL MASTERS	HSAP-14-ADA-FW		22	A/FS8.1
5	1	PREP SINK	EAGLE GROUP/METAL MASTERS	FN2018-1-24L-14/3		97	A/FS9.1
6	2	OVEN-STEAMER, COMBINATION, ELECTRIC	RATIONAL USA	ICOMBI PRO 6-FULL SIZE E	VENTLESS	671	B/FS8.1
6.1	1	STAINLESS STEEL WALL LINING	CUSTOM	FABRICATED ITEM		63	D/FS8.1
7	3	MOBILE WORKTABLE WITH UTENSIL DRAWER	CUSTOM	FABRICATED ITEM		76	MOBILE
8	1	SERVING COUNTER	CUSTOM	FABRICATED ITEM		490	H/FS8.1
9	1	SNEEZE GUARD	PMG	FM2N-A		68	H/FS8.1
10	1	DROP-IN, HOT WELLS	DUKE MANUFACTURING	WWG4		115	H/FS8.1
10.1	1	SNEEZE GUARD	PMG	FM2N-A		91	H/FS8.1
11	1	MOP DRAINAGE TRAY	ADVANCE TABCO	K-243			
11.1	1	MOP RACK	ADVANCE TABCO	K-242			
12	1	UPPER STORAGE CABINET FOR CLEANING SUPPLIES	ADVANCE TABCO	WCH-15-36		120	B/FS8.2
13	5	SHELVING UNIT, MOBILE, PLASTIC, LOUVERED	CAMBRO	CPMU244867V4480		750 MAX	G/FS8.1

EQUIPMENT (EXSISTING TO BE REUSED)

ITEM NO	QTY	EQUIPMENT CATEGORY
C-1	5	REACH-IN REFER/FREEZER
C-2	1	THREE COMPARTMENT SINK
C-3	1	MILK COOLER
C-4	1	CAN RACK
C-5	1	DUNNAGE RACK

FOODSERVICE DRAWINGS SHEET LIST

FS1.1	- FOODSERVICE EQUIPMENT FLOOR PLAN
FS2.1	- FOODSERVICE EQUIPMENT M.E.P PLAN
FS8.1	- FOODSERVICE EQUIPMENT ANCHORAGE DETAILS
FS8.2	- FOODSERVICE EQUIPMENT ANCHORAGE DETAILS
FS9.1	- FOODSERVICE EQUIPMENT ELEVATIONS

HEALTH DEPARTMENT NOTES:

1. PROVIDE THERMOMETER IN ALL REFRIGERATION UNITS CONTAINING PERISHABLE FOODS.
2. PROVIDE PROBE THERMOMETER FOR CHECKING HOT AND COLD FOODS.
3. FOOD STORAGE SHELVES SHALL BE MINIMUM SIZE (6) INCHES ABOVE FLOOR.
4. ALL EQUIPMENT SHALL MEET OR BE EQUIVALENT TO "NSF" STANDARDS.
5. PROVIDE GARMENT STORAGE AREA: LOCKER, CABINET OR HANGERS FOR EMPLOYEE GARMENTS.
6. RODENT AND INSECT-PROOF ALL EXTERIOR DOORS AND WINDOWS. PROVIDE HEAVY-DUTY SELF-CLOSERS ON ALL EXTERIOR DOORS AND RESTROOM DOORS. SEAL ALL HOLES OR GAPS AROUND PIPES ENTERING BUILDING.
7. EXTERIOR DOORS SHALL BE RODENT PROOF WITH NO OPENINGS GREATER THAN 1/4 INCH.
8. PROVIDE HARDWOOD, METAL, FORMICA OR OTHER APPROVED MATERIALS, SMOOTH WITH SEALER ON ALL TABLE, COUNTERS, SHELVES, AND OTHER FOOD CONTACT SURFACES.
9. PROVIDE HAZARDOUS SUBSTANCE LOCATION: SEPARATE CABINET, ROOM OR DESIGNATED AREA FOR STORAGE OF PESTICIDE AND CLEANING COMPOUNDS.
10. INSTALL EQUIPMENT TO FACILITATE CLEANING. PLACE FLOOR MOUNTED UNITS ON CASTERS, MINIMUM SIX (6) INCHES HIGH, ROUND, METAL LEGS, OR SEAL IN POSITION ON MINIMUM FOUR (4) INCH CURB.
11. UNPACKAGED PROCESSED FOODS ON DISPLAY SHALL BE EFFECTIVELY SHIELDED OR COVERED.
12. PROVIDE SOAP AND TOWEL DISPENSERS AT ALL HAND WASHING SINKS.
13. FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FLOOR AND READILY ACCESSIBLE FOR CLEANING.
14. GREASE INTERCEPTORS SHALL BE INSTALLED READILY ACCESSIBLE FOR CLEANING.
15. PROVIDE PROTECTIVE COVERS ON ALL LIGHTS IN FOOD PREPARATION, OPENED FOOD STORAGE ROOM(S), UTENSIL WASH AREAS, OR USE SHATTERPROOF BULBS.
16. LIGHTING REQUIREMENTS:
    - MINIMUM 50FT. CANDLES REQUIRED IN FOOD PREP AREA
    - MINIMUM 20FT. CANDLES REQUIRED IN RESTROOMS AND BARS
    - MINIMUM 10FT. CANDLES REQUIRED IN REFRIGERATORS
    - MINIMUM 10FT. CANDLES REQUIRED IN STORAGE AREAS
    - LIGHTING SHALL BE SHATTERPROOF OR SHIELDED
17. EXISTING FIXTURES, FINISHES, AND EQUIPMENT SHALL BE IN OPERABLE CONDITION AND SUBJECT TO FIELD APPROVAL.
18. WALLS & CEILING IN THE RESTROOMS, PREPARATION, STORAGE, AND JANITORIAL AREAS SHALL BE CONSTRUCTED OF APPROVED MATERIALS SO AS TO BE SMOOTH, WASHABLE, AND EASY TO CLEAN.

FLOOR LEGEND

SYMBOL/ABBREVIATION	DESCRIPTION	SYMBOL	DESCRIPTION
OFCI	OWNER FURNISH / CONTRACTOR INSTALLED	30" CLR. / 48" CLR.	ACCESSIBLE CLEARANCES AND SYMBOL 30"x48" MIN CLEARANCE
OFOI	OWNER FURNISH / OWNER INSTALLED		OUTLINE OF FOODSERVICE EQUIPMENT
FSEC	FOODSERVICE EQUIPMENT CONTRACTOR		FOODSERVICE EQUIPMENT BELOW EQUIPMENT TOP
VFVI	VENDER FURNISH / VENDER INSTALLED		FOODSERVICE EQUIPMENT ABOVE EQUIPMENT TOP
(E), EXIST	EXISTING FOODSERVICE EQUIPMENT		MOBILE FOODSERVICE EQUIPMENT
(F)	FUTURE FOODSERVICE EQUIPMENT	F.E.	FIRE EXTINGUISHER & CABINET REFER TO ARCH. DRAWINGS FOR FIRE EXTINGUISHER LOCATIONS
	BUILDING WALLS (SEE ARCH. DWGS.)	FS.1	SHEET NUMBER
1 / 1	KEY / SHEET NOTE	W.H.	WATER HEATER (SEE PLUMBING ENG. DWG.)
1	ITEM NUMBER SYMBOL (SEE EQUIPMENT SCHEDULE FOR DESCRIPTION)	A FS0.1 B	ELEVATION INDICATOR SYMBOL
KITCHEN / 1	ROOM/ AREA NAME AND ROOM NUMBER		
C	COLUMN GRIDS WITH COLUMN INDICATORS		
WIDTH X LENGTH	STORAGE SHELVING SIZES (Width x Length)		

APPLICABLE CODE: 2022 CBC

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 28, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THEN 400 POUNDS AND HAVING A CENTER MASS 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOO T, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTIONS SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP: AA MD: AA PP: AA E: AA — Option 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP: BB MD: BB PP: BB E: BB — Option 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVED (OPM #) #_____ AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS

DIVISION OF THE STATE ARCHITECT

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AMD FOODSERVICE DESIGN

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DATE: 10/01/2024
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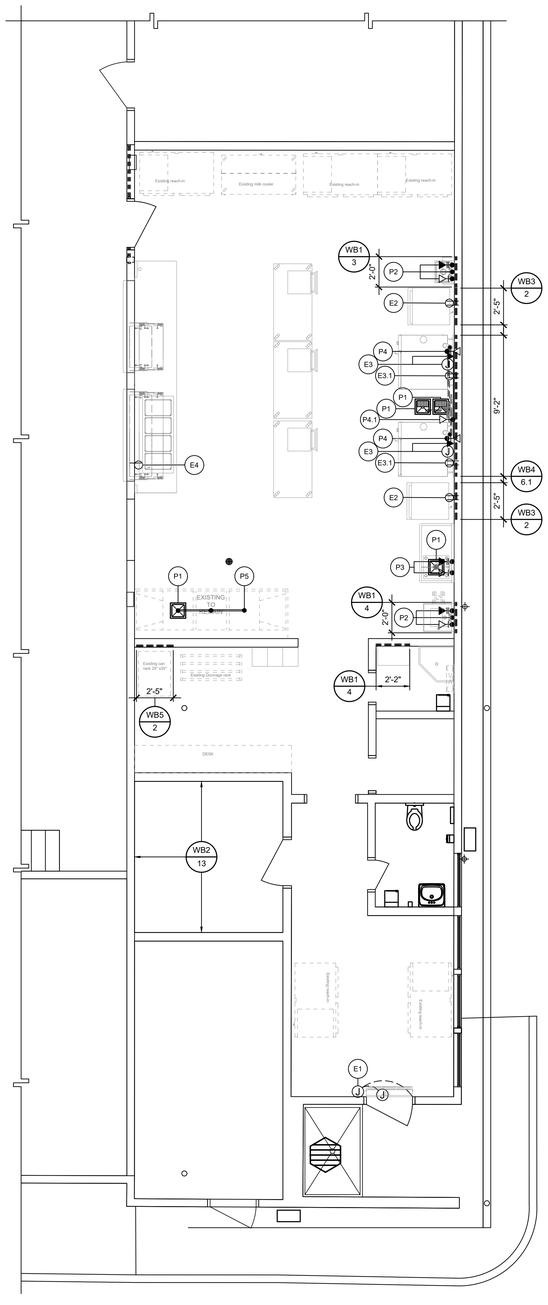
SHEET TITLE

FOODSERVICE EQUIPMENT FLOOR PLAN

SHEET NO.

FS1.1



FOODSERVICE EQUIPMENT M.E.P PLAN

1 / FS2.1

SCALE : 1/4" = 1'-0"

PLUMBING SCHEDULE

PLUM. NO.	ITEM. NO.	DESCRIPTION	QTY.	WATER CONN. SIZE C.W.	WATER CONN. SIZE H.W.	WATER HGT.@ WALL	WASTE CONN. SIZE DIR.	WASTE CONN. SIZE INDIR.	WASTE HGT.@ WALL	REMARKS	NOTES
P1	-	FLOOR SINK	4EA.	-	-	-	-	-	0"	INSTALL FLUSH WITH FINISH FLOOR, PROVIDE GRATE COVER W/ DOME STRAINER, REFER TO PLUMBING PLANS FOR TYPE AND SIZE.	
P2	3,4	WALL MOUNTED HAND SINK FAUCET W/ 1/2" INLET 4" CENTER	1EA.	1/2"	1/2"	18"	1 1/2"	-	24"	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. RUN DIRECT WASTE WITH P-TRAP.	
P3	5	PREP SINK FAUCET W/ 3/4" INLET 8" CENTER	1EA.	1/2"	1/2"	16"	-	2"	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. PROVIDE 2" INDIRECT DRAIN TO F.S. P1. (CHROME OR PAINT SILVER)	
P4	6	COMBI OVEN TREATED WATER	2EA.	3/4"	-	18"	-	2"	-	PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION. SEE EQUIPMENT CUT SHEET FOR MIN. WATER QUALITY REQUIREMENTS	1 2
P4.1	6	WATER FILTRATION SYSTEM	2EA.	3/4"	-	24" / 56"	-	-	-	WATER FILTER TO PROVIDE FILTERED WATER CONNECTION TO STEAMER PROVIDE S.O.V., RUN PIPING TO UNIT CONNECTION.	1 2
P5	C-1	EXISTING THREE COMP SINK	1EA.	-	-	-	-	2"	-	ITEM IS EXISTING TO BE REUSED, USE EXISTING WATER SUPPLY PROVIDE 2" INDIRECT DRAIN TO F.S. P1. (CHROME OR PAINT SILVER)	

PLUMBING KEY NOTE(S):

1. VERIFY WATER QUALITY MEETS MANUFACTURERS STANDARD MINIMUM REQUIREMENTS
2. CONNECT OUTLET FROM WATER FILTER TO TREATED WATER INLET

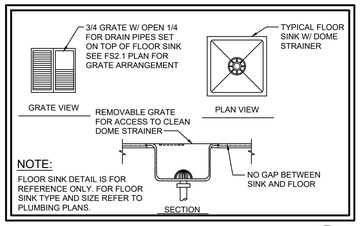
ELECTRICAL SCHEDULE

ELEC. NO.	ITEM NO.	DESCRIPTION	QTY.	VOLT.	PH	DIRECT	PLUG	NEMA	LOAD WATT	LOAD AMPS DRAW	LOAD HP	OUTLET HEIGHT	REMARKS
E1	1	UNHEATED AIR CURTAIN	1EA.	120	1	X	-	-	-	3.4	1/6	+86"	PROVIDE J-BOX IN WALL INSTALL DOOR LIMIT SWITCH FOR INSTANT ON/OFF SWITCH, SEE C/FS8.1
E2	2	MOBILE WARMING & HOLDING CAB.	2EA.	120	1	-	X	5-15P	1500	14.1	-	+48"	PROVIDE DUPLEX RECEPTACLE IN WALL UNIT PROVIDED WITH CORD AND PLUG SET
E3	6	COMBI OVEN, ELECTRIC POWER AND DATA	2EA.	208 / 240	3	X	-	-	22 kW	62	-	+42"	PROVIDE J-BOX IN WALL CONNECT TO UNIT ELECTRICAL CONNECTION PROVIDE DATA CONNECTION
E3.1	6	VENTLESS EXHAUST SYSTEM	2EA.	120	1	-	X	5-15P	-	1.6	-	+52"	PROVIDE DUPLEX RECEPTACLE IN WALL UNIT PROVIDED WITH CORD AND PLUG SET
E4	10	DRY WELLS	1EA.	208	1	-	X	6-20P	-	9.6	-	+12"	PROVIDE SIMPLEX RECEPTACLE IN WALL UNIT PROVIDED WITH CORD AND PLUG SET

WALL BACKING SCHEDULE

	APPLICATION	BOTTOM OF BACKING	BACKING HGT.	FASTENERS PER STUD	ANCHORAGE DETAIL
WB1 3,4	HAND SINK	+16" AFF	26" HIGH	4	A/FS8.1
WB2 13	DRY STO. SHELVING	+69"AFF	12" HIGH	2	G/FS8.1
WB3 2	MOBILE WARMER	+23"AFF / +46"AFF	12" HIGH	2	H/FS8.2
WB4 6.1	WALL LINING	+76"AFF +53"AFF +29"AFF +6"AFF	4" HIGH	2	D/FS8.1
WB5 C-4	CAN RACK	+10"AFF / +56"AFF	12" HIGH	2	G/FS8.2
WB6 C-4	WALL CABINET	+84"AFF / +60"AFF	12" HIGH	2	B/FS8.2

NOTES:
1. BACKING TO BE 16 GA. G.I. or C.R.S.
2. REFER TO 1/FS2.1 FOR WALL BACKING LOCATIONS
3. REFER TO 4/FS2.1 FOR BACKING DETAIL

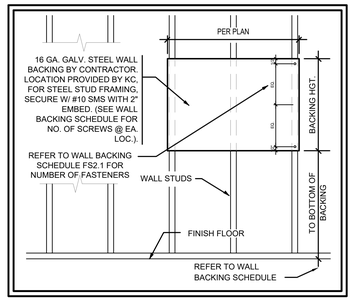


NOTE:
FLOOR SINK DETAIL IS FOR REFERENCE ONLY. FOR FLOOR SINK TYPE AND SIZE REFER TO PLUMBING PLANS.

FLUSH FLOOR SINK DETAIL

2 / FS2.1

SCALE : NONE



WALL BACKING DETAIL

4 / FS2.1

SCALE : NONE

WALL BACKING NOTES

1.- WALL BACKING TO BE 16 GAUGE GALV. STEEL IN LENGTH AND HEIGHT AS SHOWN ON DRAWINGS.

2.- ALL WALL BACKING TO BE IN FURNISHED AND INSTALLED BY CONTRACTOR

3.- FOOD SERVICE EQUIPMENT CONTRACTOR IS TO FURNISH CONTRACTOR WITH DETAILED DRAWINGS SHOWING ALL WALL BACKING LOCATION AND SIZE.

4.- WALL BACKING AS SHOWN IS MINIMUM, EXTEND BACKING TO NEXT STUD EACH DIRECTION AS NECESSARY

PLUMBING NOTES

1. PLUMBING CONTRACTOR TO VERIFY ALL INCOMING SERVICE AND MAKE FINAL HOOK-UPS TO ALL APPLICABLE EQUIPMENT AND TO PROVIDE ALL PIPING, TEES, ELLS, TRAPS, FILTERS, REGULATORS, FAUCETS, ETC., UNLESS SPECIFICALLY STATED OTHERWISE.
2. ALL HORIZONTAL DIMENSIONS SHOWN ON PLAN ARE FROM FINISHED FACE OF WALL TO CENTERLINE OF STUB-OUT OR FROM CENTERLINE OF STUB-OUT TO CENTERLINE OF STUB-OUT, UNLESS NOTED OTHERWISE ON PLAN OR DETAILS.
3. (VERIFY ALL DIMENSIONS)
4. SYMBOLS NOTED +24", +48", ETC., INDICATES TO STUB-OUT OF WALL AT HEIGHT INDICATED. HEIGHT IS GIVEN FROM FINISHED FLOOR (NOT FINISHED CURB) TO CENTERLINE OF STUB-OUT, SYMBOLS INDICATED "STUB-UP" AND "STUB-DOWN" ARE TO EXTEND ABOVE FINISHED FLOOR AND/OR BELOW FINISHED CEILING AT LOCATION SHOWN.
5. PLUMBING STUBS AND CONNECTIONS SHOWN ON PLANS ARE FOR EQUIPMENT FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.
6. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL REMOVABLE COVERS OR GRATES FOR ALL FULLY OR PARTIALLY EXPOSED FLOOR SINKS. GRATES TO HAVE 1/2" MAX OPENINGS WHERE DRAIN IS EXPOSED TO P.O.T OR TO PEDESTRIAN WAYS TYP.
7. PLUMBING CONTRACTOR SHALL SEAL ALL PLUMBING PENETRATIONS THROUGH WALLS, FLOORS, AND CEILINGS. WATERTIGHT AND VERMIN-PROOF.
8. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL SHUT-OFF VALVES ON ALL WATER AND GAS LINES, INCLUDING VALVES IN FIXTURES, LOCATED IN SUCH A WAY AS TO BE ACCESSIBLE WITHOUT USE OF TOOLS.
9. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL FOR ALL APPLICABLE EQUIPMENT, A TRAPPED FLOOR SINK WITH A LEGAL AIR GAP DRAIN LINE (INDIRECT WASTE) TO FLOOR SINK. INSULATE ALL DRAIN LINES FROM ICE BINS, ICE MACHINES, REFRIG. EQUIP., ETC..

ELECTRICAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-INS, FINAL CONNECTIONS AND INTER-CONNECTIONS TO THE FOOD SERVICE EQUIPMENT
2. CONNECTIONS SHOWN ARE FOR THE FOOD SERVICE EQUIPMENT ONLY. REFER TO ELECTRICAL DRAWINGS FOR CONVENIENCE OUTLETS AND ADDITIONAL REQUIREMENTS.
3. RECEPTACLES, JUNCTION/HANDY BOXES INDICATED AT WALLS SHALL BE CONCEALED IN THE WALL AND STUBBED OUT OF THE WALL AT THE HEIGHT INDICATED.
4. RECEPTACLES, JUNCTION/HANDY BOXES INDICATED AT WALLS SHALL BE CONCEALED IN THE WALL AT THE HEIGHT INDICATED.
5. VERTICAL DIMENSIONS ARE GIVEN FROM FINISHED FLOOR TO CENTER LINE OF ROUGH-IN LOCATION.
6. UTILITIES WHEREVER POSSIBLE SHALL BE BROUGHT IN FROM ABOVE
7. VERIFY THE UTILITY REQUIREMENTS OF OWNER FURNISHED AND/OR EXISTING EQUIPMENT.
8. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND/OR INSTALL ALL JUNCTION/HANDY BOXES, EXTENSION RINGS, DISCONNECT WITCHES AS SHOWN, CONVENIENCE OUTLETS WITH STAINLESS STEEL OVERS, SWITCHES, CONNECTORS, CONTROLS AND OTHER ACCESSORIES THAT ARE NOT AN INTEGRAL PART OF THE FOOD SERVICE EQUIPMENT AS REQUIRED TO MAKE FINAL CONNECTIONS TO THE EQUIPMENT FOR A COMPLETE AND OPERABLE OPERATION MEETING ALL APPLICABLE CODES AND ORDINANCES.
9. JUNCTION/HANDY BOXES, CONVENIENCE OUTLETS AND SPECIAL PURPOSE OUTLETS SHOWN IN FABRICATED WORK TABLES AND COUNTERS SHALL BE FURNISHED BY FABRICATOR. ELECTRICAL CONTRACTOR TO PROVED ALL WIRING & RECEPTACLES.
10. WHERE ITEMS CONNECT TO UTILITY UNDER COUNTER, CONTRACTOR TO VERIFY THAT A GROMMET HOLE IS PROVIDED FOR NECESSARY ACCESS TO CONNECT EQUIPMENT TO UTILITY.

ELECTRICAL, PLUMBING AND WALL BACKING LEGEND

SYMBOL/ABBRV.	DESCRIPTION	SYMBOL	DESCRIPTION
C.W.	COLD WATER		WASTE DOWN
H.W.	HOT WATER		COLD WATER INLET
DIR.	WASTE (DIRECT CONNECTION)		HOT WATER INLET
INDIR.	INDIRECT WASTE (AIR GAP)	E1	ELECTRICAL SCHEDULE REFERENCE, REFER TO FS2.1 FOR SCHEDULE
LAV.	LAVATORY	1 1	SHEET AND/OR KEY NOTE
W.C.	WATER CLOSET	J	JUNCTION BOX
F.S.	FLOOR SINK		DATA OUTLET
P.C.	PLUMBING CONTRACTOR	$	WALL MOUNTED SWITCH BY E.C
G.C.	GENERAL CONTRACTOR		DUPLEX CONVENIENCE OUTLET 115V/1Ø UNLESS OTHERWISE NOTED
S.O.V.	SHUT OFF VALVE		SIMPLEX OUTLET SEE SCHEDULE FOR VOLTAGE
AFF	ABOVE FINISHED FLOOR		FLOOR MOUNTED DATA OUTLET
CLG.	CEILING		FLOOR MOUNTED ELECTRICAL OUTLET
CONN.	CONNECT	# TYPE # ITEM	BLOCKING TYPE REFER TO WALL BACKING SCHEDULE FS2.1
E.C.	ELECTRICAL CONTRACTOR		WALL BACKING
FSEC	FOOD SERVICE CONTRACTOR		
P.R.P.	PRESSURE RELIEF PORT		
S.F.	STAINLESS STEEL FABRICATOR		
M.C.	MECHANICAL CONTRACTOR		
LOC.	LOCATE		
1	KEYNOTE SYMBOL (SEE WALL BACKING NOTES FS2.1)		
P1	PLUMBING SCHEDULE REFERENCE, REFER TO FS2.1 FOR SCHEDULE		

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FOODSERVICE EQUIPMENT M.E.P PLAN

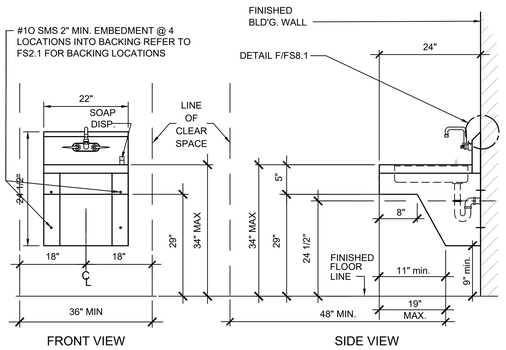
SHEET NO.

FS2.1

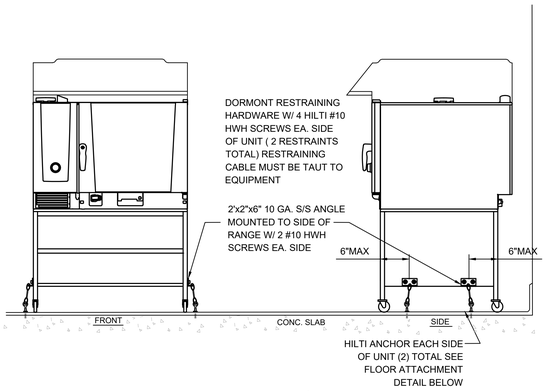
ONE AND ONE–HALF INCH = ONE FOOT | THREE–QUARTERS INCH = ONE FOOT | ONE INCH = ONE FOOT | ONE–HALF INCH = ONE FOOT | ONE–QUARTER INCH = ONE FOOT | ONE–EIGHTH INCH = ONE FOOT | ONE–SIXTEENTH INCH = ONE FOOT | ONE INCH = TWENTY FEET

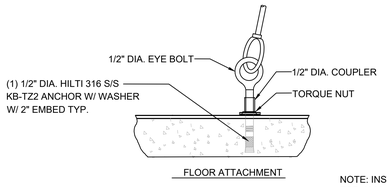
ACCESSIBLE HAND SINK REQUIREMENT NOTES

1. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE HAND SINKS SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER HAND SINKS.
2. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. LEVER-OPERATED, PUSH-TYPE AND MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.
3. WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, SOAP DISPENSER AND OTHER SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS WITHIN 40 INCHES FROM THE FINISHED FLOOR.
4. ALL DIMENSIONS SHOWN ARE MINIMUM CLEARANCES, UNLESS NOTED.
5. AREA BELOW HAND SINKS SHALL BE ACCESSIBLE AND CLEAR.



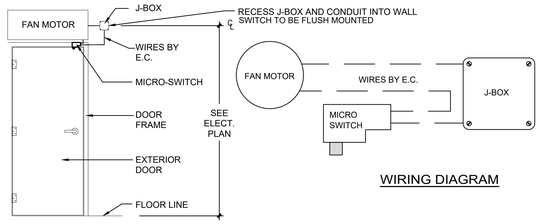
A ACCESSIBLE HAND SINK DETAILS NTS

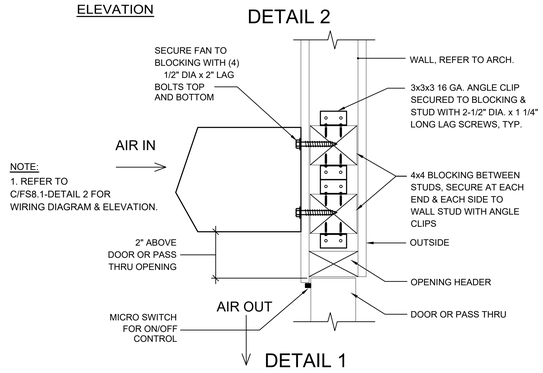




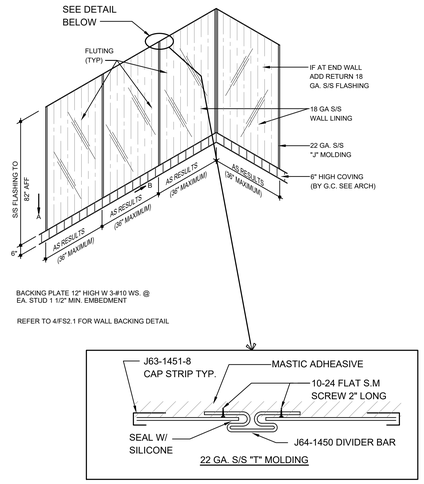
NOTE: INSTALL ANCHOR PER ICC-ES ESR-4266. TORQUE TEST =30 FT.LB

B COMBI OVEN ANCHORAGE





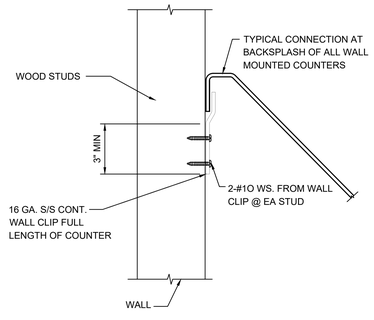
C AIR CURTAIN MTG & MICRO SWITCH DTL NTS



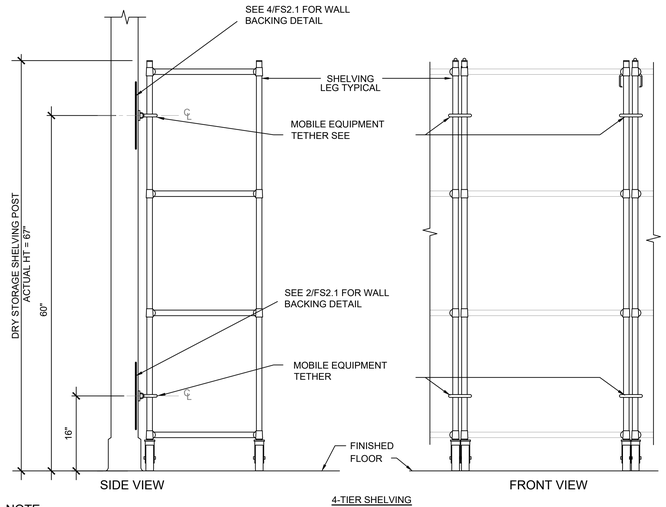
D S/S WALL LINING DETAIL

SPARE

E SPARE NTS



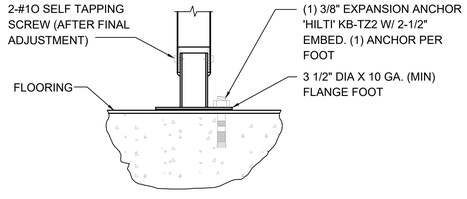
F ANCHORAGE AT BACKSPLASH NTS



4-TIER SHELVING

NOTE:
1. FOR SIZE AND LOCATION OF DRY STORAGE SHELVING, SEE 1/FS1.1
2. CONTRACTOR COORDINATE ANCHORAGE LOCATIONS WITH SHELVING POST LOCATIONS AS SHOWN ON 1/FS1.1

G DRY STORAGE SHELVING ATTACHMENT NTS



(FLANGED FOOT) SHEAR & UPLIFT

NOTE: INSTALL ANCHOR PER ICC-ES ESR-4266. TORQUE TEST =30 FT.LB

H FOOT ANCHORAGE DETAIL NTS

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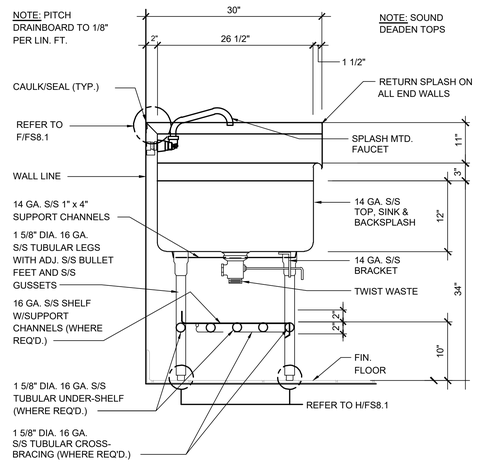
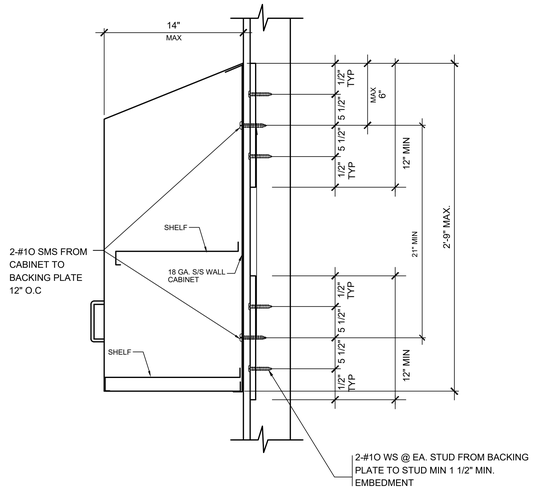
FOODSERVICE EQUIPMENT ANCHORAGE DETAILS

SHEET NO.

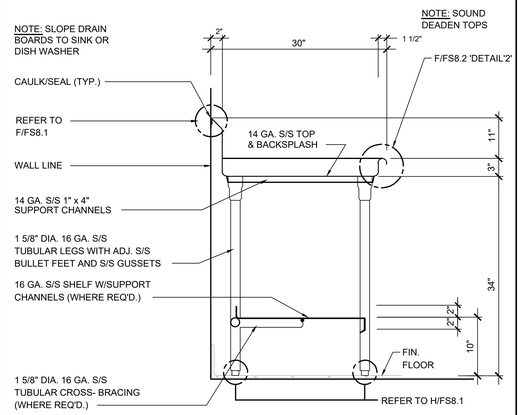
FS8.1



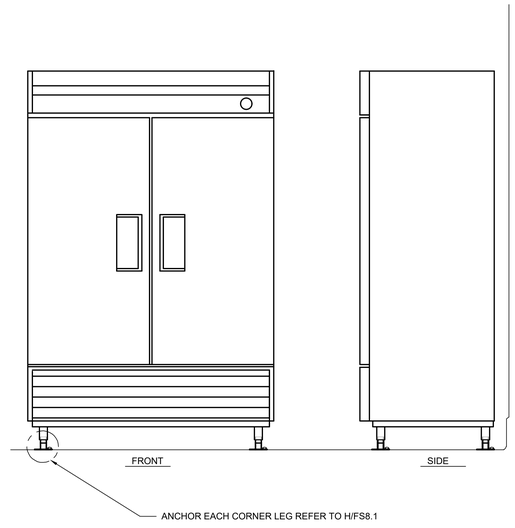
A SECTION AT POT SINK NTS



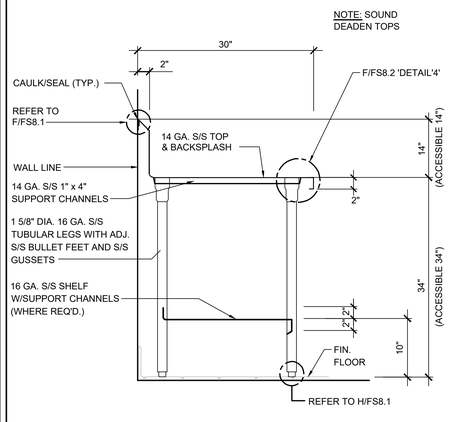
B WALL MOUNTED CABINET NTS



C SECTION AT DISHTABLE NTS



D REACH-IN REFRIG/FREEZER NTS



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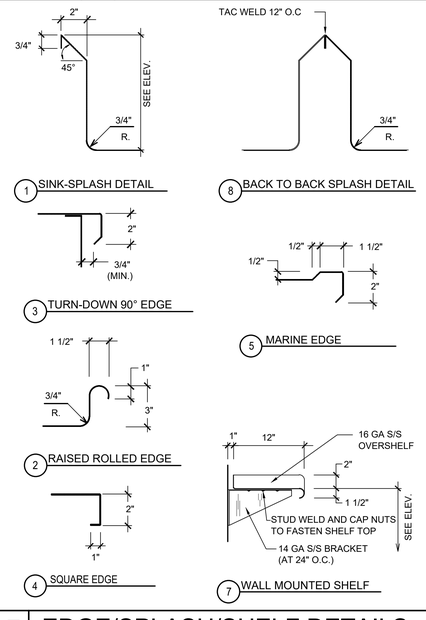
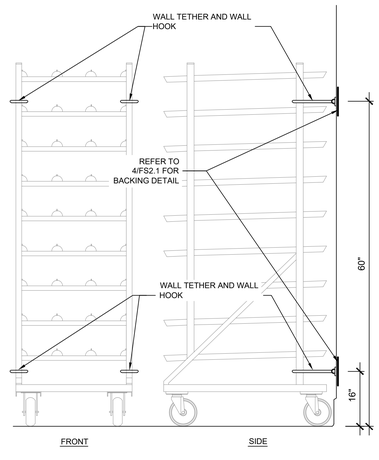
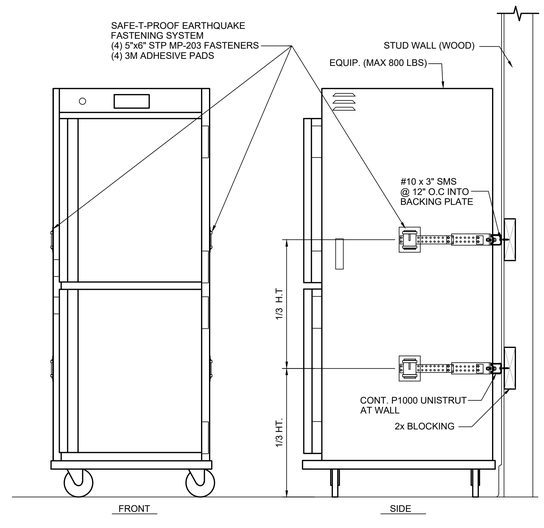


F EDGE/SPLASH/SHELF DETAILS NTS



G CAN RACK DETAIL NTS



H HOLDING CAB NTS

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FOODSERVICE EQUIPMENT ANCHORAGE DETAILS

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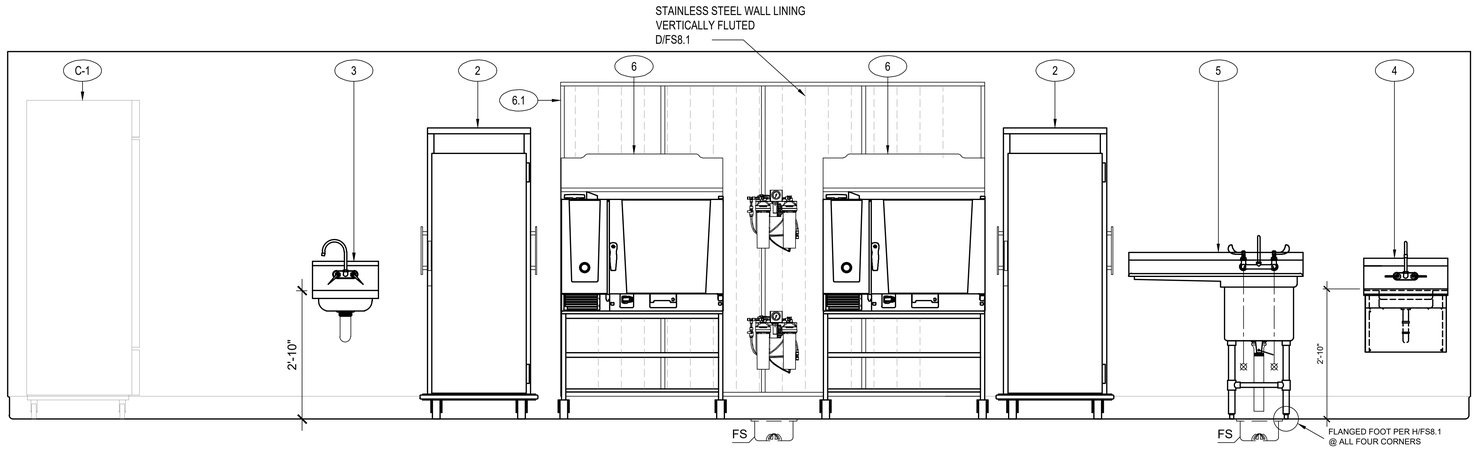
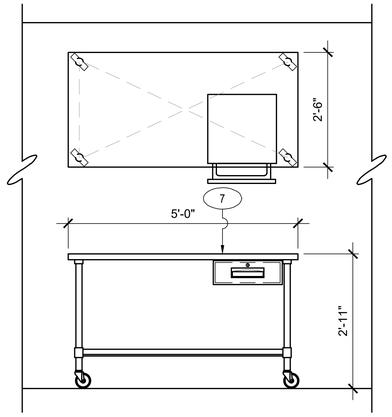
FS8.2



ELEVATION

SCALE : 1/2"=1'-0"

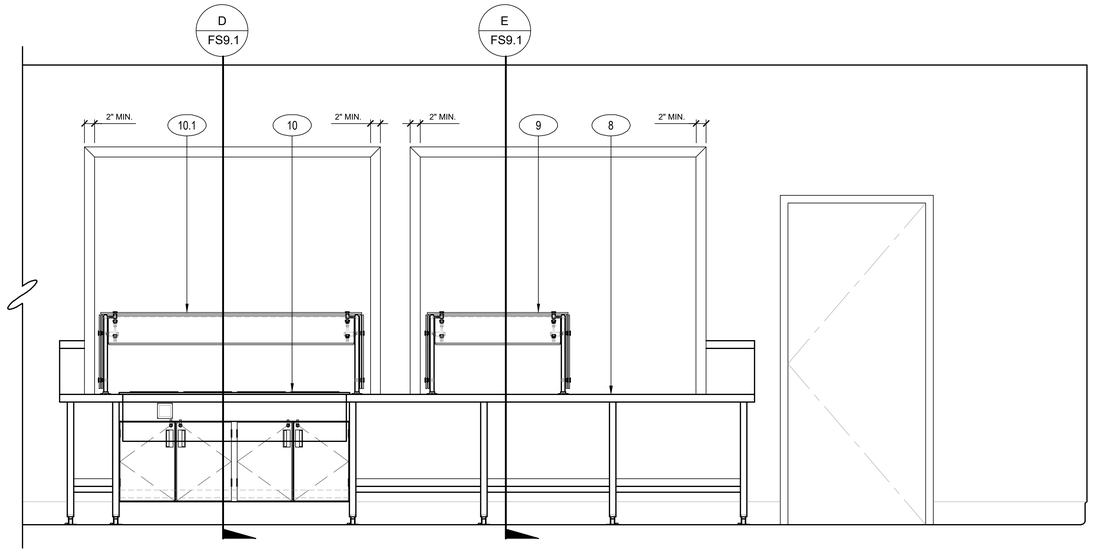
A
FS9.1



ELEVATION

SCALE : 1/2"=1'-0"

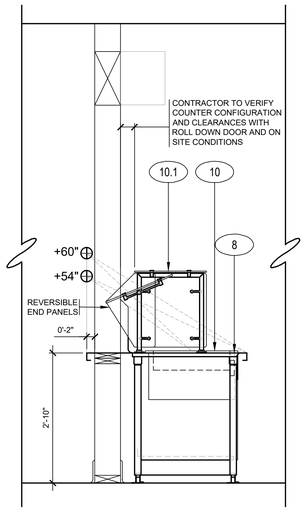
B
FS9.1



ELEVATION

SCALE : 3/4"=1'-0"

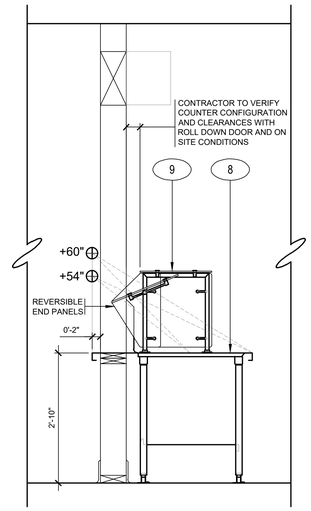
C
FS9.1



SECTION

SCALE : 3/4"=1'-0"

D
FS9.1



SECTION

SCALE : 3/4"=1'-0"

E
FS9.1

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FOODSERVICE
EQUIPMENT
ELEVATIONS

SHEET NO.

FS9.1

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24,1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., HCAi OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☐	☐	☐	☒	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
☐	☐	☐	☐	OPTION 2: SHALL COMPLY WITH HCAi (OSHPD) PRE-APPROVAL INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

DEMOLITION GENERAL NOTES

ALL DEMOLITION GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT, AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
2. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND/OR OTHER EXISTING FACILITY'S SYSTEMS AND SERVICES AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER/DISTRICT'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWN. SHUTDOWN WORK SHALL BE PERFORMED AFTER THE NORMAL OPERATION HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER/DISTRICT'S REPRESENTATIVE.
3. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER/DISTRICT'S REPRESENTATIVE ARE DEEMED SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER/DISTRICT. ALL ELECTRICAL MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR ACCORDINGLY.
4. WHERE REMOVAL OF AN EXISTING SYSTEM'S DEVICE WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RECONNECTED TO PROVIDE SERVICE TO ALL REMAINING DEVICES. IF SITE CONDITIONS MAKE RECONNECTION IMPOSSIBLE, CONNECTION SHALL BE MADE FROM AN ADJACENT AVAILABLE DEVICE AS NOTED AND/OR AS DIRECTED BY THE ARCHITECT AND/OR THE OWNER/DISTRICT'S REPRESENTATIVE.
5. WHERE EXISTING CONCEALED CONDUITS, WHETHER SHOWN OR NOT, OR SPECIFIED TO BE REUSED, WHICH BECAME EXPOSED DUE TO CONSTRUCTION CHANGES, IT SHALL BE REROUTED TO THE NEAREST AVAILABLE REUSED OUTLET.
6. ALL EXISTING EXPOSED CONDUITS AND/OR WIRING THAT ARE DETERMINED BY THE DISTRICT AND ARCHITECT TO BE MAINTAINED FOR EXISTING SYSTEM FUNCTION AND CONTINUITY, WHETHER SHOWN ON PLAN OR NOT, ARE TO BE REROUTED CONCEALED IN WALL AND/OR CEILING FOR A CLEAN FINISHED SURFACE WITH NO EXPOSED CONDUITS AND/OR WIRING WITHIN THE REMODELED AREA.
7. REMOVE ALL EXISTING EXPOSED CONDUITS, WIRING, ELECTRICAL OUTLETS, DEVICES, AND EQUIPMENT THAT ARE DETERMINED BY THE DISTRICT REPRESENTATIVE/OWNER AND ARCHITECT TO BE NON FUNCTIONAL AND/OR NOT BEING USED FROM WITHIN THE REMODELED AREA FOR A CLEAN FINISHED SURFACE.
8. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
   A. REMOVE ALL WIRE AND CABLE.
   B. REMOVE ALL DEVICES AND EQUIPMENT.
   C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREAS, AS FAR AS POSSIBLE.
   D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
9. WHEREVER EXISTING ELECTRICAL DEVICES, PANELS, CONDUITS, CABLES, ETC., CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS AS DIRECTED BY THE ARCHITECT AND/OR OWNER/DISTRICT'S REPRESENTATIVE.
10. WHERE SHOWN ON PLAN FOR REMOVAL OF EXISTING CONDUITS, REMOVE ALL PORTIONS OF CONDUITS WHERE IT IS ACCESSIBLE AND ABANDON PORTIONS OF CONDUITS WHERE IT IS INACCESSIBLE. CUT OFF AND CAP ALL ABANDONED CONDUITS. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
11. CONTRACTOR SHALL UPDATE WITH NEW TYPEWRITTEN PANEL DIRECTORIES TO EXISTING PANELS INVOLVED IN THIS RENOVATION WORK THAT SHALL REFLECT ALL CHANGES TO THE CIRCUIT DESIGNATIONS.
12. PROVIDE AND INSTALL PROTECTIVE COVERING OVER EXISTING EQUIPMENT IN AREA WHEN INSTALLING ANY NEW WORK.
13. COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.
14. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR HEATERS, EXHAUST FANS, WATER HEATERS, PUMPS, ETC., WHICH ARE REQUIRED TO BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR FOR REMOVAL OR ABANDONMENT BY THE MECHANICAL AND/OR PLUMBING CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE MECHANICAL AND/OR PLUMBING CONTRACTOR FOR REMOVAL OF ALL APPLICABLE STARTERS, DISCONNECT SWITCHES, AND ASSOCIATED CONDUIT, AND WIRING.
15. ALL LIGHT FIXTURES INDICATED AS RELOCATED SHALL BE CLEANED AND RE-LAMPED PRIOR TO THE RE-INSTALLATION.

UNDERGROUND TRENCHING NOTES

1. UNDERGROUND TRENCHING:

   A. USE EXTREME CAUTION WHEN DIGGING TO AVOID BURIED ELECTRICAL CABLES. CALL UNDERGROUND SERVICE ALERT (U.S.A.) 800-227-2600, 48 HOURS BEFORE DIGGING

   B. BEFORE START OF ANY UNDERGROUND TRENCHING FOR CONDUIT RUNS, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ALL PLANS OF OTHER TRADES (ARCHITECTURAL, CIVIL, LANDSCAPE), AND SITE CONDITIONS TO AVOID CONFLICT.

   C. TRENCHING AND BACKFILLING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. COORDINATE WITH CIVIL, LANDSCAPE, AND ARCHITECTURAL SITE PLAN PRIOR TO THE TRENCHING, ETC. AND THE INSTALLATION OF THE ELECTRICAL SYSTEM.

   D. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC, UL LISTED FOR DIRECT BURIAL, AND TERMINATED WITH FACTORY END BELL FITTINGS. ALL ELBOWS, BENDS AND TURNS TRANSITIONING TO GRADE SHALL BE INSTALLED USING PER MANUFACTURED 40-MIL PVC COATED GALVANIZED STEEL ELBOWS AND OFFSETS.

   E. ALL UNDERGROUND SERVICE CONDUITS SHALL BE SEALED TO COMPLY WITH CEC 230.8.

   F. PROVIDE 24" MINIMUM COVERAGE FOR UNDERGROUND CONDUITS, UNLESS OTHERWISE NOTED. THE EXCEPTION IS FOR PG&E SERVICE CONDUITS WHICH SHALL HAVE A 36" MINIMUM BURIAL DEPTH AND BE INSTALLED WITH A RED OXIDE CONCRETE CAP. MAINTAIN 12" MINIMUM SEPARATION BETWEEN THE POWER AND LOW VOLTAGE SYSTEM UNDERGROUND CONDUITS. TRENCHES SHALL ALL BE INSTALLED WITH A RED POLYETHYLENE WARNING RIBBON LABELED "ELECTRICAL", LOCATED 8" BELOW GRADE IN THE TRENCH.

   G. PROVIDE UNDERGROUND TRACER WHERE NON-METAL CONDUITS ARE INSTALLED.

   H. PROVIDE PARTEX IDENTIFICATION TAGS TO IDENTIFY UNDERGROUND CIRCUITS.

   I. ALL UNDERGROUND SPLICES SHALL BE MADE WATERPROOF BY PROVIDING WITH "SPLICE-KOTE" SPLICE KITS OR OTHER ACCEPTED METHODS. ALL FUSEHOLDERS SHALL BE WATERTIGHT.

   J. ALL UNDERGROUND RACEWAYS SHALL BE PROVIDED WITH A #8 AWG MINIMUM SIZE COPPER EQUIPMENT GROUNDING CONDUCTOR, WHETHER SHOWN ON PLAN OR NOT, UNLESS OTHERWISE NOTED.

   K. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT TO REPAIR AND REPLACE ANY AND ALL DAMAGES TO EXISTING PCC WALKS, AC PAVING, UTILITIES, TREES, TURF, PLANTED AREAS, AND OTHER FACILITIES RESULTING FROM THIS PROJECT. WHEN CUTTING OR TRENCHING THROUGH EXISTING CONCRETE SIDEWALKS, DRIVEWAYS, AND WALKWAYS, THE CONTRACTOR SHALL BE REQUIRED TO COMPLETELY REPLACE ENTIRE SECTIONS OF CONCRETE PANELS FROM SCOREMARK TO SCOREMARK AFFECTED BY THE CONSTRUCTION WORK. ALL SIDEWALKS, DRIVEWAYS, AND WALKWAYS SHALL BE REPLACED TO MATCH ADJACENT CONDITION AND AS DIRECTED BY THE ARCHITECT.

GENERAL NOTES

ALL GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

1. THESE GENERAL NOTES ARE INTENDED TO ASSIST THE CONTRACTOR IN THE EXECUTION OF THE ELECTRICAL WORK AND TO BE INCLUDED IN CONJUNCTION WITH THE CONTRACT DOCUMENT DRAWINGS AND SPECIFICATION REQUIREMENTS. SOME OF THE GENERAL NOTES ARE EXCERPTS FROM THE SPECIFICATION.
2. PROCURE PERMITS AND LICENSES REQUIRED. PAY ALL NECESSARY FEES AND ARRANGE FOR INSPECTIONS REQUIRED BY LOCAL CODES AND ORDINANCES AND UTILITY COMPANIES.
3. COORDINATE ALL ELECTRICAL SERVICES WITH THE RESPECTIVE UTILITY COMPANIES AND PROVIDE ALL TRENCHING, CONDUITS, WIRING, METER FACILITIES AND OUTLETS REQUIRED BY THEM.
4. WORKMANSHIP SHALL BE OF THE HIGHEST GRADE. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE ACCEPTANCE OF THE ARCHITECT.
5. INSTALL ALL EQUIPMENT, CONDUITS, OUTLETS, AND FIXTURES IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF ALL APPLICABLE CODES (CEC, STATE, COUNTY AND CITY).
6. DO NOT SCALE PLANS FOR FIXTURES, DEVICES, OR APPLIANCE LOCATIONS. USE FIGURED DIMENSIONS IF GIVEN OR CHECK MECHANICAL AND ARCHITECTURAL PLANS. ALSO REFER TO ACTUAL ON-SITE CONDITIONS.
7. ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CEC 110.3.
8. ALL ELECTRICAL DEVICES AND EQUIPMENT, FIXTURES, CONDUITS AND WIRING SHOWN ON THESE PLANS ARE NEW, UNLESS OTHERWISE NOTED.
9. OUTLET BOXES INSTALLED IN FIRE WALLS SHALL BE ONE-PIECE STEEL AND INSTALLED IN SEPARATE (STAGGERED) STUD PENETRATIONS, MINIMUM 24 INCHES HORIZONTAL SEPARATION. FIRE WALLS SHALL BE MADE IN ACCORDANCE WITH CBC AND ELECTRICAL CODES.
10. THE FINAL LOCATION OF ALL OUTLETS SHALL BE VERIFIED WITH THE ARCHITECT AND/OR OWNER AT TIME OF CONSTRUCTION.
11. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHER-PROTECTED.
12. CONTRACTOR SHALL VERIFY THAT ALL LIGHTING FIXTURES, CEILING TRIMS, AND FRAMES ARE COMPATIBLE WITH CEILING SYSTEM INSTALLED.
13. CONTRACTOR SHALL COORDINATE LIGHT FIXTURE LOCATIONS AND INSTALLATIONS WITH THE MECHANICAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES (MINIMUM 3 INCHES) BETWEEN THE LIGHT FIXTURES AND MECHANICAL DUCTS OR EQUIPMENT FOR PROPER OPERATION, INSTALLATION AND/OR REMOVAL OF FIXTURES.
14. BEFORE SUBMITTING FOR ARCHITECT'S REVIEW AND PLACING ORDER FOR THE LIGHT FIXTURES, THE CONTRACTOR SHALL VERIFY THE VOLTAGE OF ALL THE LIGHTING FIXTURES TO MATCH THE VOLTAGE OF THE SERVICE PANEL, WHETHER THE VOLTAGE FOR THE LIGHT FIXTURES ARE SHOWN ON THE PLAN OR NOT.
15. PLACEMENT AND CIRCUITING OF EXIT SIGNS AND EGRESS LIGHTING SHALL COMPLY WITH CBC REQUIREMENTS.
16. ALL CONDUIT SHALL BE ROUTED CONCEALED UNLESS NOTED ON PLAN OR ACCEPTED BY THE ARCHITECT.
17. PROVIDE ALL NECESSARY SLEEVES AND INSERTS FOR ALL WORK PASSING THROUGH OR ATTACHING TO WALLS, FLOORS, OR CEILINGS.
18. ALL WIRING SHALL BE INSTALLED IN RIGID METALLIC CONDUIT, UNLESS OTHERWISE NOTED. CONDUITS INSTALLED CONCEALED IN WALL AND CEILING MAY BE EMT WITH STEEL COMPRESSION TYPE FITTINGS. PVC WHERE INSTALLED UNDERGROUND AND/OR UNDER SLAB. ALL EXPOSED CONDUITS SHALL BE RIGID STEEL CONDUITS WITH THREADED TYPE FITTINGS. INSTALL ALL CONDUITS IN ACCORDANCE WITH CECA STANDARDS OF INSTALLATION.
19. ELECTRICAL NON-METALLIC TUBING (ENT) AND MC CABLE ARE NOT PERMITTED TO BE USED FOR THIS PROJECT, NO EXCEPTIONS.
20. WHERE EXISTING CONDUITS, CONCEALED OR EXPOSED, AND (WIREMOLD) SURFACE RACEWAY IS NOT IN PLACE AS SHOWN ON PLANS, PROVIDE NEW CONDUITS AND (WIREMOLD) SURFACE RACEWAY FOR THE NEW WORK. VERIFY EXISTING CONDITION ON SITE AND PROVIDE ALL NECESSARY NEW MATERIAL, APPARATUS, AND WORK THAT ARE REQUIRED TO BE INCLUDED IN THE BID PACKAGE.
21. CONDUCTORS, #8 AND LARGER, SHALL BE STRANDED COPPER WITH THNN/THWN INSULATION, UNLESS OTHERWISE NOTED.
22. PROVIDE WORKING CLEARANCE PER CEC 110.26 FOR SERVICE PANEL, SUBPANELS, MOTOR DISCONNECT SWITCHES, CONTROL SECTIONS. HVAC EQUIPMENT, APPLIANCES, ETC.
23. PROVIDE A WARNING LABEL (SIGN) CLEARLY VISIBLE TO QUALIFIED PERSONS TO COMPLY WITH NEC AND CEC 116.16 OF POTENTIAL ELECTRIC ARC FLASH HAZARDS AT SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTERS THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT PER CEC SECTION 110.24(A).
24. BUILDING SERVICE AND SUBPANELS TO COMPLY WITH CEC 110.9 AND 110.10 INTERRUPTING RATING AND BRACING. PROVIDE A.I.C. CALCULATIONS FOR SUBPANELS IF INTERRUPTING RATING TO BE USED IS LOWER THAN MAIN SERVICE RATING.
25. ALL APPLIANCES SHALL COMPLY WITH CEC ARTICLE 422. APPLIANCE CONTROL AND PROTECTION PER CEC 422-III; BRANCH CIRCUITS PER 422-II.
26. BUILDING EXPANSION JOINTS MAY OR MAY NOT BE INDICATED ON THE ELECTRICAL DRAWINGS. VERIFY THE LOCATIONS OF ALL APPLICABLE BUILDING EXPANSION JOINTS WITH THE ARCHITECTURAL DRAWINGS. WIRING METHODS ACROSS EXPANSIONS JOINTS SHALL INCLUDE USE OF FLEXIBLE FITTINGS OR OTHER DEVICES AS APPROPRIATE TO EACH APPLICATION. IN NO CASE SHALL CONDUIT CROSS SUCH A JOINT IN BUILDING CONSTRUCTION WITHOUT USE OF THE APPROPRIATE WIRING METHODS.
27. CONTRACTOR SHALL SIZE ALL THE INTERIOR AND EXTERIOR BUILDING PULL BOXES AND UNDERGROUND PULL BOXES PER CEC 314.16 AND COMPLY WITH CEC 314.28 FOR INSTALLATION OF RACEWAYS AND WIRING AS REQUIRED BY CODE, UNLESS OTHERWISE NOTED.
28. WHERE ACCESSIBILITY IS NOT AVAILABLE TO ELECTRICAL OUTLETS, DEVICES AND/OR EQUIPMENT, COORDINATE WITH THE ARCHITECT FOR PROVISIONS TO PROVIDE ACCESSIBILITY TO THEM.
29. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE MECHANICAL DRAWINGS AND PROVIDES ALL CONDUITS AND CONTROL WIRING AND POWER WIRING SHOWN ON THE MECHANICAL DRAWINGS THAT IS NOT SHOWN ON THE ELECTRICAL PLANS.
30. CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS AND COORDINATE FOR THE EQUIPMENT LOCATIONS. COORDINATE ROOF PENETRATION WITH THE MECHANICAL CONTRACTOR FOR MECHANICAL CONNECTIONS. ENTER ROOF MOUNTED UNITS THROUGH EQUIPMENT MOUNTING CURBS WHERE POSSIBLE. VERIFY ON-SITE.
31. PROVIDE CONVENIENCE OUTLET WITHIN 25 FEET OF MECHANICAL EQUIPMENT PER U.M.C. WHERE LOCATED OUTSIDE, PROVIDE WEATHER PROOF AND GFCI CONVENIENCE OUTLET. SECURE ROOF MOUNTED OUTLET TO THE MECHANICAL EQUIPMENT. VERIFY LOCATION IN FIELD WITH THE MECHANICAL CONTRACTOR.
32. VERIFY SINGLE-POINT CONNECTIONS TO ROOF MOUNTED HVAC UNITS WITH MECHANICAL CONTRACTOR ON-SITE PRIOR TO ELECTRICAL ROUGH-IN. PROVIDE DUAL DISCONNECTS IF TWO-POINT CONNECTIONS ARE REQUIRED, WHETHER SHOWN ON PLANS OR NOT.
33. SWITCH DEVICES CONTROLLING MECHANICAL EQUIPMENT SHALL BE SIZE AND TYPE REQUIRED AND SHALL BE SERVED WITH QUANTITY OF WIRES AS REQUIRED. REFER TO DIVISION 23 MECHANICAL PLANS AND SPECIFICATIONS.
34. COORDINATE THE HVAC EQUIPMENT FOR FUSES REQUIRE. WHERE FUSES ARE REQUIRED, VERIFY FUSE SIZE ON-SITE AND PROVIDE FOR HVAC EQUIPMENT PER UNIT NAMEPLATE SPECIFICATIONS.
35. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-IX AND 440.II.
36. MOTOR STARTERS FOR HVAC EQUIPMENT ARE PROVIDED BY MECHANICAL CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
37. ALL CONNECTIONS FROM THE DISCONNECT SWITCHES TO HVAC UNITS SHALL BE COPPER CONDUCTORS. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-VII, 430-VIII, AND 440-II.
38. VERIFY LOCATION AND HEIGHT OF ALL MECHANICAL OR FIXTURE EQUIPMENT OUTLETS WITH SUPPLIER PRIOR TO ANY ROUGH-IN WORK. PROVIDE ALL RUNS AND CONNECTIONS TO EQUIPMENT.
39. ALL TERMINATION PROVISIONS OF EQUIPMENT, INCLUDING CIRCUITS RATED 100 AMPERES OR LESS, SHALL BE RATED AT 60 DEGREE, CENTIGRADE PER CEC 110.14(c).
40. ALL LIGHT FIXTURES INSTALLED OVER FOOD HANDLING OR FOOD PREPARATION AREAS, OPEN FOOD STORAGE AND UTENSIL WASHING AREAS SHALL BE OF SHATTERPROOF CONSTRUCTION OR SHALL BE PROTECTED WITH SHATTERPROOF SHIELDS AND SHALL BE READILY CLEANABLE.
41. ALL CONDUITS SHALL BE CONCEALED BELOW SLAB, IN WALLS AND/OR ABOVE CEILINGS EXCEPT IN ELECTRICAL ROOMS, MECHANICAL ROOMS, AND OTHER SIMILAR UTILITY ROOMS AS APPROVED BY THE ARCHITECT. NO CONDUIT SHALL BE EXPOSED ON EXTERIOR BUILDING SURFACES WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
42. PROVIDE A CODE SIZED GROUND CONDUCTOR IN ALL CONDUITS WHETHER INDICATED ON PLANS OR NOT.

ELECTRICAL ABBREVIATIONS

SYMBOL	DESCRIPTIONS
AC	ABOVE COUNTER
AF	AMPERE FRAME OR FUSE
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFS	AUTOMATIC FIRE SPRINKLER
AIC	AMPS INTERRUPTING CAPACITY RATING
AMP, A	AMPERES
APPR	APPROVED
AS	AMPERE SWITCH RATING
AT	AMPERE TRIP RATING OF BREAKER
AUTO	AUTOMATIC
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BFC	BELOW FINISHED CEILING
BMS	BUILDING MANAGEMENT SYSTEM
BKR	BREAKER
C	CONDUIT
cd	CANDELA
CEC	CALIFORNIA ELECTRICAL CODE
CFL	COMPACT FLUORESCENT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CKT	CIRCUIT
CNTRL	CONTROL
CO	CONDUIT ONLY w/PULL STRING
CSFM	CALIFORNIA STATE FIRE MARSHALL
CT	CURRENT TRANSFORMER
CU	COPPER
CWP	COLD WATER PIPE
DEF	DEFROST
DISC	DISCONNECT
DIST	DISTRIBUTION
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EDF	ELECTRIC DRINKING FOUNTAIN
EL	EVENING LIGHT
ELEV	ELEVATION
EM	EMERGENCY LIGHT
EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE RESISTOR
EP	EMERGENCY POWER
EQPT	EQUIPMENT
EXH	EXHAUST
(E)	EXISTING
(ED)	EXISTING TO BE DEMOLISHED
(F)	FUTURE
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FF	FINISHED FLOOR
FG	FINISHED GRADE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
GFCI	GROUND FAULT CURRENT INTERRUPTER
GND	GROUND
HP	HORSE POWER
HZ	HERTZ
IG	ISOLATED GROUND
INC	INCANDESCENT
ISC	SHORT CIRCUIT CURRENT
ISOL	ISOLATED
JBOX	JUNCTION BOX
kcmil	THOUSAND CIRCULAR MILS
kV	KILOVOLTS
kW	KILOWATTS
kVA	KILOVOLT AMPERES
LT, LTS	LIGHT, LIGHTS
LTG	LIGHTING
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUG ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPOE	MAIN POINT OF ENTRY
MS	MOTION SENSOR
MSB	MAIN SWITCHBOARD
MT	CONDUIT ONLY w/PULL STRING
MTD	MOUNTED
(N)	NEW
NEMA	NATIONAL ELECTRIC MANUFACTURER ASSOCIATION
NIES	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECIFICATIONS
N.I.C.	NOT IN CONTRACT
NL	NIGHT LIGHT
NT	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OL	OVERLOAD
PH, P	PHASE OR POLE
PB	PULLBOX
PFB	PROVIDE FOR FUTURE BREAKER
PIV	POST INDICATOR VALVE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
(R)	RELOCATED
RCP	REFLECTED CEILING PLAN
RECPT	RECEPTACLE
REQD	REQUIRED
RGSC	RIGID GALVANIZED STEEL CONDUIT
SHLD	SHIELDED
SHT	SHEET
SPD	SURGE PROTECTION DEVICE
SPECS	SPECIFICATIONS
SW	SWITCH
SYM	SYMMETRICAL
TEMP	TEMPERATURE
TOF	TIMED OFF DELAY
TS	TAMPER SWITCH
TSTAT	THERMOSTAT
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UGPS	UNDERGROUND PULL SECTION
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTABLE POWER SUPPLY
VFD	VARIABLE FREQUENCY DRIVE
V	VOLTS
VL	VERIFY LOCATION
W	WATTS
w/	WITH
WP	WEATHERPROOF
WPL	WEATHERPROOF LOCKING
WPU	WEATHERPROOF WHILE IN USE
(X)	REMOVE
XFMR	TRANSFORMER

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DIVISION OF THE STATE ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE

ELECTRICAL ABBREVIATION AND NOTES

SHEET NO.

E-001

ELECTRICAL SYMBOL LEGEND

ALL SYMBOLS SHOWN IN THIS LEGEND ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

SYMBOL	DESCRIPTION
	POWER
	MAIN SWITCHBOARD OR DISTRIBUTION BOARD, PAD OR FLOOR MOUNTED AS NOTED.
	RECESSED MOUNTED LIGHTING OR DISTRIBUTION PANEL
	SURFACE MOUNTED LIGHTING OR DISTRIBUTION PANEL
	RECESSED TERMINAL CABINET WITH 3/4"C PLYWOOD BACKBOARD, DUPLEX RECEPTACLE & #6 CU GND, UNO.
	SURFACE MOUNTED TERMINAL CABINET WITH 3/4"C PLYWOOD BACKBOARD, DUPLEX RECEPTACLE & #6 CU GND, UNO.
T	DISTRIBUTION TRANSFORMER, MOUNTING AND SIZE AS NOTED
	NON-FUSED DISCONNECT SWITCH
	ENCLOSED CIRCUIT BREAKER DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH; SIZE DISCONNECT AND FUSES PER UNIT LABEL
	MOTOR STARTER/CONTROLLER
	COMBINATION CIRCUIT BREAKER DISCONNECT/MOTOR STARTER
	COMBINATION FUSIBLE DISCONNECT/MOTOR CONTROLLER; PROVIDE FUSES PER MANUFACTURER'S REQUIREMENTS. N.F. INDICATES NON-FUSED
	POWER POINT OF CONNECTION
	DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO. SPLIT-WIRED CIRCUIT, TOP RECEPTACLE SWITCHED CONTROLLED.
A	DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO. SUBSCRIPT TEXT WHERE OCCURS, SEE RECEPTACLE SUBSCRIPT LEGEND BELOW.
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH [1]
	ISOLATED GROUND DUPLEX RECEPTACLE, 20A, 125V @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI DUPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH [1]
	ISOLATED GROUND GFCI DUPLEX RECEPTACLE 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED GFCI DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	DOUBLE DUPLEX MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH [1]
	ISOLATED GROUNDED DOUBLE DUPLEX RECEPTACLE 20A, 125V @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO
	GFCI DOUBLE DUPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH [1]
	ISOLATED GROUND GFCI DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED GFCI DOUBLE DUPLEX RECEPTACLE OUTLET 20A, 125V, @ +16" TO BOTTOM OF BOX, UNO.
	SPECIAL RECEPTACLE OUTLET, SIZE AND NEMA CONFIGURATION AS NOTED, MOUNTED @ +16" TO BOTTOM OF BOX, UNO.
	FLOOR MOUNTED DUPLEX RECEPTACLE, 20A, 125V FLUSH IN FINISHED FLOOR
	FLOOR MOUNTED DOUBLE DUPLEX RECEPTACLE, 20A, 125V FLUSH IN FINISHED FLOOR
	CEILING MOUNTED DUPLEX RECEPTACLE, 20A, 125V
	CEILING MOUNTED DOUBLE DUPLEX RECEPTACLE, 20A, 125V
	FLOOR MOUNTED COMBINATION DUPLEX RECEPTACLE AND TELECOM
	FLOOR MOUNTED COMBINATION DOUBLE DUPLEX RECEPTACLE AND TELECOM
	FLOOR MOUNTED COMBINATION POWER AND TELCOM WITH WHIP FOR PARTITION FURNITURE
	POWER AND TELECOM WITH WHIP FOR PARTITION FURNITURE
	WALL MOUNTED JUNCTION BOX – SIZE AS REQUIRED BY CODE
	CEILING JUNCTION BOX – SIZE AS REQUIRED BY CODE
	FLOOR MOUNTED JUNCTION BOX – SIZE AS REQUIRED BY CODE
	PLUGMOLD
	POWER POLE
	ELECTRIC VEHICLE CHARGING STATION, DUAL PORT & SINGLE PORT
$T	THERMAL OVERLOAD SWITCH
$M	MOTOR RATED SWITCH

RECEPTACLE SUBSCRIPTS (APPLIES TO ALL RECEPTACLES)

C	CONTROLLED/UNCONTROLLED [2]
LC	LOCKING COVER
TR	TAMPER-RESISTANT
U	USB (UNIVERSAL SERIAL BUS)
WP	WEATHERPROOF
WPU	WEATHERPROOF WHILE IN USE

FOOTNOTES:

[1] PROVIDE 44" MAX. TO TOP OF BOX AT AREAS WITH FORWARD ACCESSIBLE APPROACH KNEE CLEARANCE, OR PROVIDE 46" MAX. TO TOP OF BOX AT AREAS WITH PARALLEL ACCESSIBLE APPROACH (PER CBC 11B-308).

[2] FOR DUPLEX RECEPTACLES: ONE HALF IS CONTROLLED, AND ONE HALF IS UNCONTROLLED. PLACE CONTROLLED HALF AT BOTTOM. FOR DOUBLE DUPLEX RECEPTACLES: ONE DUPLEX IS CONTROLLED, AND ONE DUPLEX IS UNCONTROLLED. PLACE CONTROLLED DUPLEX AT RIGHT.

SYMBOL	DESCRIPTION
	LIGHTING
	LED LUMINAIRE – T-BAR LAY-IN
	LED LUMINAIRE – RECESSED IN GYPBOARD
	LED LUMINAIRE – SURFACE
	LED LUMINAIRE – SUSPENDED
	LED STRIP LIGHT – SURFACE OR SUSPENDED
	DOWNLIGHT LUMINAIRE – RECESSED
	WALLWASH LUMINAIRE – RECESSED
	LUMINAIRE – SURFACE
	LUMINAIRE – WALL
	LUMINAIRE – PENDANT
	TRACK LIGHT – SUSPENDED OR SURFACE MOUNTED
	CONTINUOUS LINEAR LED TAPE OR LED COVE LIGHT
	HATCHED LUMINAIRE INDICATES AN EMERGENCY LUMINAIRE CONNECTED TO A EMERGENCY POWER DISTRIBUTION SYSTEM, OR INTEGRAL EMERGENCY BATTERY BACKUP.
	SINGLE FACE EXIT SIGN. SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION.
	DOUBLE FACE EXIT SIGN. SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION. DIRECTIONAL ARROW AS INDICATED ON PLANS. (CEILING OR WALL)
	COMBINATION EMERGENCY EXIT SIGN WITH DUAL HEAD LIGHTS WITH EMERGENCY BATTERY BACK-UP.
	BATTERY POWERED EMERGENCY EGRESS LUMINAIRE – SURFACE MOUNTED
	SPOT/FLOOD LUMINAIRE – GROUND MOUNTED. FOR BLDG WALL MOUNTED AS WELL.
	EXTERIOR POLE FIXTURE – SINGLE HEAD
	EXTERIOR POLE FIXTURE – TWIN HEAD
	EXTERIOR PATHWAY POST TOP POLE FIXTURE
	BOLLARD FIXTURE
	STEP LUMINAIRE
	LIGHTING CONTROLS
$	SINGLE POLE TOGGLE SWITCH, 20A, 120-277V @ +46" TO TOP OF BOX, UNO [1].
$3	THREE WAY TOGGLE SWITCH 20A,120-277V @ +46" TO TOP OF BOX, UNO. [1].
$a,b,c	SUBSCRIPTS "a,b,c" DESIGNATE THE QUANTITY OF SWITCHES AT EACH LOCATION (TYPICAL FOR ALL SWITCH TYPES) MOUNTED @ +46" TO TOP OF BOX, UNO. [1].
$K	SINGLE POLE KEYED BARREL SWITCH 20A, 120-277 @ +46" TO TOP OF BOX, UNO. [1].
	WALL MOUNTED PUSH BUTTON @ +46" TO TOP OF BOX, UNO. [1].
	WALL MOUNTED DIMMER SWITCH @ +46" TO TOP OF BOX, UNO. [1].
DCR	DIGITAL WALL CONTROL OVERRIDE SWITCH. RUN CABLING BACK TO LIGHTING CONTROL PANEL. MOUNTED @ +46" TO TOP OF BOX, UNO. [1].
OS	WALL MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY, PASSIVE INFRA-RED OR ULTRASONIC, MOUNTED @ +46" TO TOP OF BOX, UNO. [1].
OS	CEILING, OR PENDANT, MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY, PASSIVE INFRA-RED OR ULTRASONIC.
OS	CORNER MOUNT OCCUPANCY SENSOR. DUAL TECHNOLOGY, PASSIVE INFRA-RED OR ULTRASONIC.
DL	PHOTOCONTROL DAYLIGHT SENSOR.
	TAGS & LEADERS
X	KEYNOTE SHOWN ON SAME SHEET
'XX' XX-Xx	LIGHT FIXTURE TAG: FIXTURE TAG – 'XX' – CIRCUIT NUMBER; PANEL – XX-Xx – SWITCH LEG
X	FEEDER DESIGNATION TAG
X	FOOD SERVICE EQUIPMENT DESIGNATION TAG
X / EX.1	DETAIL DESIGNATION: TOP LETTER INDICATES DETAIL NUMBER, BOTTOM LETTER/NUMBER INDICATES SHEET NUMBER
REF X	MECHANICAL OR PLUMBING EQUIPMENT TAG
	BRACKET
	LEADERS

SYMBOL	DESCRIPTION
	ONE LINE DIAGRAM
(N) PANEL "A"	PANEL IDENTIFICATION
100A 3P	CIRCUIT BREAKER
100A 3P	FUSED SWITCH
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	GROUND
	UNDERGROUND TERMINATION SERVICE LUG
M	UTILITY METER WITH CURRENT TRANSFORMER COMPARTMENT METER SOCKET
M	CUSTOMER-OWNED MULTIFUNCTION METER WITH CURRENT TRANSFORMERS
	MOTOR
	TRANSFORMER WITH GROUND
	UFER GROUND
	BOND TO COLD WATER PIPE, GAS PIPE, BUILDING STEEL
	AUTOMATIC TRANSFER SWITCH
	NEUTRAL LINK
SPD	SURGE PROTECTIVE DEVICE
	CIRCUITS
	STUB
	CONTINUATION
	CONDUIT RISER – UP
	CONDUIT DROP – DOWN
	CONDUIT CONCEALED IN CEILING OR WALL.
	CONDUIT CONCEALED IN UNDERFLOOR OR UNDERGROUND
	EXISTING CONDUIT TO REMAIN.
	CONDUIT & CONDUCTORS FOR LOW VOLTAGE MOTION SENSORS
	EXISTING CONDUIT & CONDUCTORS TO REMAIN FOR LOW VOLTAGE MOTION SENSORS
	EXISTING CONDUIT AND/OR CONDUCTORS TO BE REMOVED. UNDERGROUND CONDUIT MAY BE ABANDONED IN PLACE.
	HOMERUN TO PANELBOARD OR TERMINAL CABINET WITH CONDUCTORS AS NOTED
#	CIRCUIT CONDUCTORS: LONG TICK INDICATES NEUTRAL CONDUCTOR; SHORT TICKS INDICATES PHASE CONDUCTORS; CURVED TICK INDICATES EQUIPMENT GROUNDING CONDUCTOR; ADDITIONAL CURVED TICK INDICATES ISOLATED GROUNDING CONDUCTOR. NUMBER BY TICKS INDICATES WIRE GAUGE OTHER THAN 12 AWG CU. NO TICKS INDICATE 2 #12 CU, 1 #12 CU GND, IN 1/2" CONDUIT. OTHERS AS NOTED ON PLAN. NOTE: PROVIDE A CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS FOR THIS PROJECT, WHETHER SHOWN ON PLAN OR NOT.
	FLEXIBLE CONDUIT, 6'-0" LONG MAX. WITH #12 CU GROUND, UNO.

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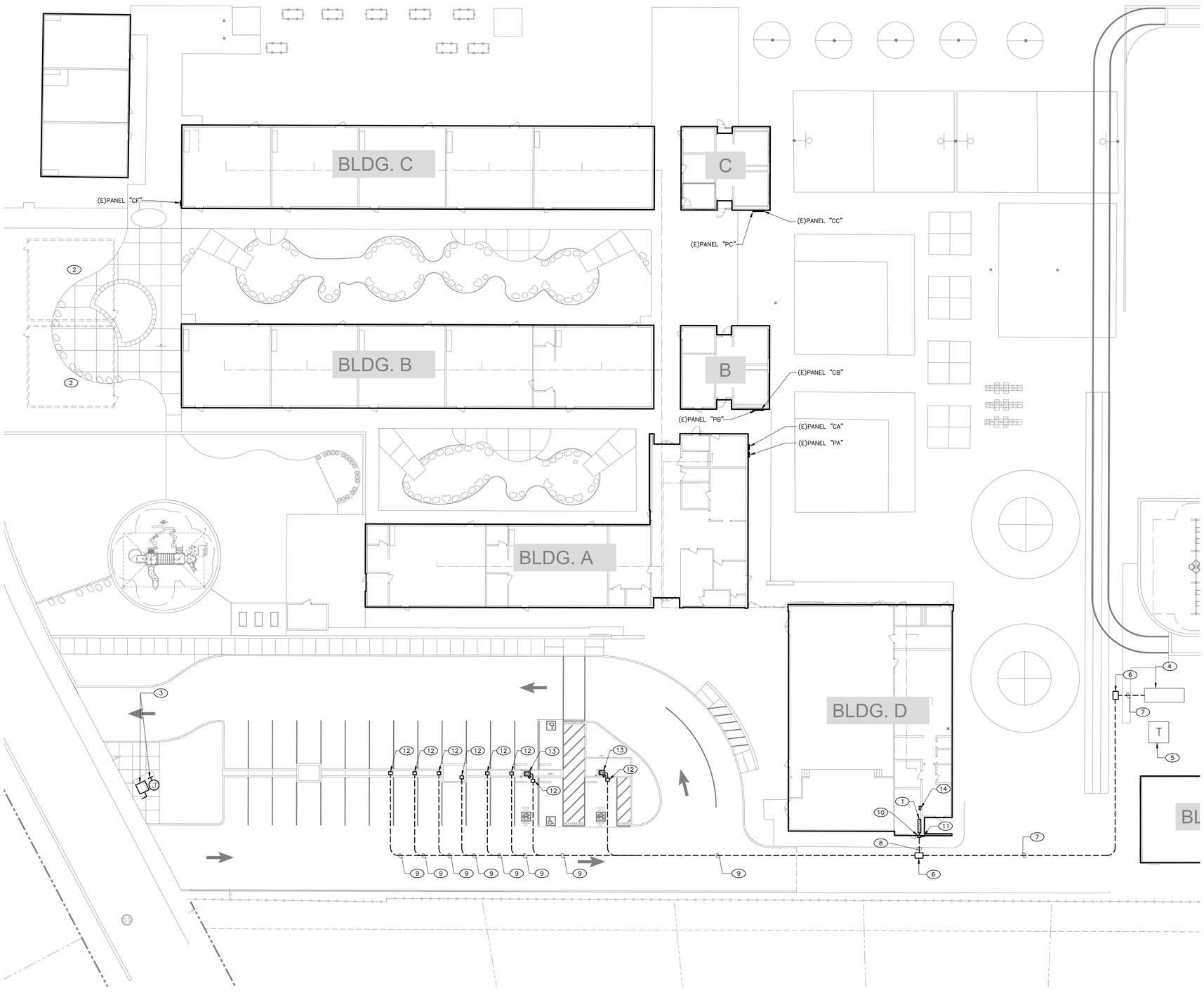
ELECTRICAL LEGENDS

SHEET NO.

E-002



1 ELECTRICAL SITE PLAN

SCALE: 1/16" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

C. UNDERGROUND CONDUITS SHALL BE SCH-40 PVC.

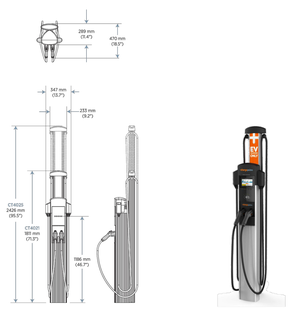
KEY NOTES

1. REPLACE (E)DISTRIBUTION SWITCHBOARD. SEE ONE LINE DIAGRAM ON SHEET E-600 AND E601 FOR MORE INFORMATION.
2. DEMOLISHED PORTABLE BUILDINGS; DEMOLISH AND REMOVE (E) ELECTRICAL PANEL FOR THE DEMOLISHED PORTABLE BUILDINGS WITH ALL ASSOCIATED FEEDER CONDUCTORS BACK TO THE SOURCE. REMOVE ALL ACCESSIBLE ELECTRICAL CONDUIT. ABANDON UNDERGROUND CONDUITS.
3. PROVIDE 120V, 20A POWER CONNECTION TO DIGITAL MARQUEE SIGN. PROVIDE WEATHER PROOF DISCONNECT SWITCH AND J-BOX. COMPLETE WIRING AND CONNECTIONS PER SIGN INSTALLATION MANUAL AS AN OPERATIONAL SYSTEM. COORDINATE WITH ARCHITECTURAL DRAWING FOR EXACT LOCATION.
4. EXISTING SERVICE MAIN SWITCHBOARD "MSB" TO REMAIN.
5. EXISTING SERVICE TRANSFORMER TO REMAIN.
6. PROVIDE 24"X36" UNDERGROUND PULL BOX, TRAFFIC RATED, BOLT-ON REINFORCED LID AND "ELECTRICAL" ENGRAVED ON LID. SEE 1/E800 FOR UNDERGROUND PULL BOX DETAIL.
7. PROVIDE UNDERGROUND CONDUITS AND CONDUCTOR FOR NEW DISTRIBUTION SWITCHBOARD. SEE ONE LINE DIAGRAM FEEDERS BREAKER INFO. SEE DETAIL 7/E800.
8. PROVIDE UNDERGROUND CONDUITS AND CONDUCTOR FOR NEW DISTRIBUTION SWITCHBOARD. PROVIDE UNDERGROUND CONDUITS FOR EV-CHARGERS. SEE ONE LINE DIAGRAM FEEDERS BREAKER INFO. SEE DETAIL 7/E800.
9. PROVIDE UNDERGROUND CONDUITS FOR EV-CHARGERS. SEE ONE LINE DIAGRAM FEEDERS BREAKER INFO. SEE DETAIL 7/E800.
10. REMOVE EXISTING PULL BOX AND RELOCATE EXISTING PANEL "I". PROVIDE NEW NEMA-3R PULL BOX FOR CONDUITS PENETRATION THROUGH THE WALL.
11. RELOCATED PANEL "I", RECONNECT EXISTING INCOMING AND OUTGOING FEEDER AND BRANCH CIRCUITS.
12. PROVIDE UNDERGROUND N9 CHRISTY PULL BOX TRAFFIC RATED, BOLT-DOWN REINFORCED LID AND "ELECTRICAL"ENGRAVED ON LID FOR POWER CONNECTION TO EV CHARGING STATIONS / FUTURE EV CHARGING STATIONS.
13. PROVIDE SINGLE PORT LEVEL 2 EVSE. BASIS OF DESIGN IS CHARGE POINT MODEL #CT4000 BOLLARD MOUNT LEVEL 2 COMMERCIAL CHARGING STATION. PROVIDE 2-YEAR WARRANTY, CHARGE POINT NETWORK SERVICES, AND INTEGRAL GATEWAY MODEM AS REQUIRED. PROVIDE CHARGE POINT STATION INSTALLATION AND SITE VALIDATION SERVICES. SITE VALIDATION IS REQUIRED FOR EACH GATEWAY UNIT INSTALLED. SEE ONE LINE DIAGRAM FEEDERS BREAKER INFO.
14. TIME SWITCH FOR SITE LIGHTING. SEE SHEETS E-101 AND E-601 FOR MORE INFO.

CT4000 Datasheet

Architectural Drawings (Dimensions)

CT4021 1830 mm (6')
CT4025 2440 mm (8')
Bollard



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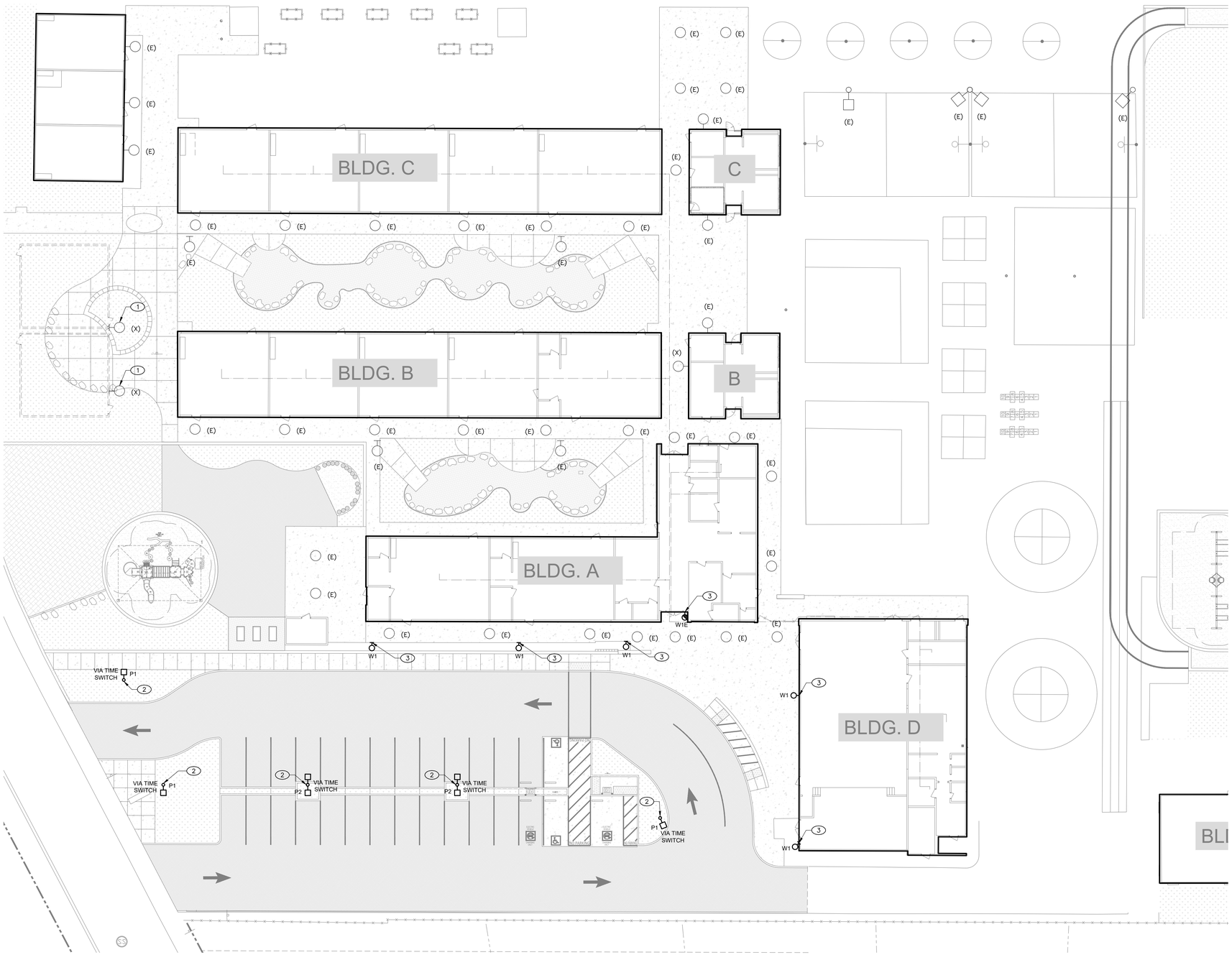
ELECTRICAL SITE PLAN

SHEET NO.

E-100



1 ELECTRICAL LIGHTING SITE PLAN

SCALE: 1/16" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

KEY NOTES

(#)

1. DEMO BUILDING; REMOVE EXISTING WALL PACK LIGHT FIXTURE.
2. PROVIDE NEW POLE LIGHT, SEE ONE LINE DIAGRAM FOR CONNECTION INFO. RUN THE CIRCUIT VIA TIME SWITCH. PROVIDE INTERMATIC MODEL #ET2825CP TIME SWITCH. SEE ONE LINE DIAGRAM FOR CONNECTION INFO.
3. PROVIDE NEW LED LIGHTING FIXTURE. CONNECT THE NEW LIGHT FIXTURES TO EXISTING NEAREST LIGHTING CIRCUIT. EXTEND THE CIRCUIT AND PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED.

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ELECTRICAL LIGHTING SITE PLAN

SHEET NO.

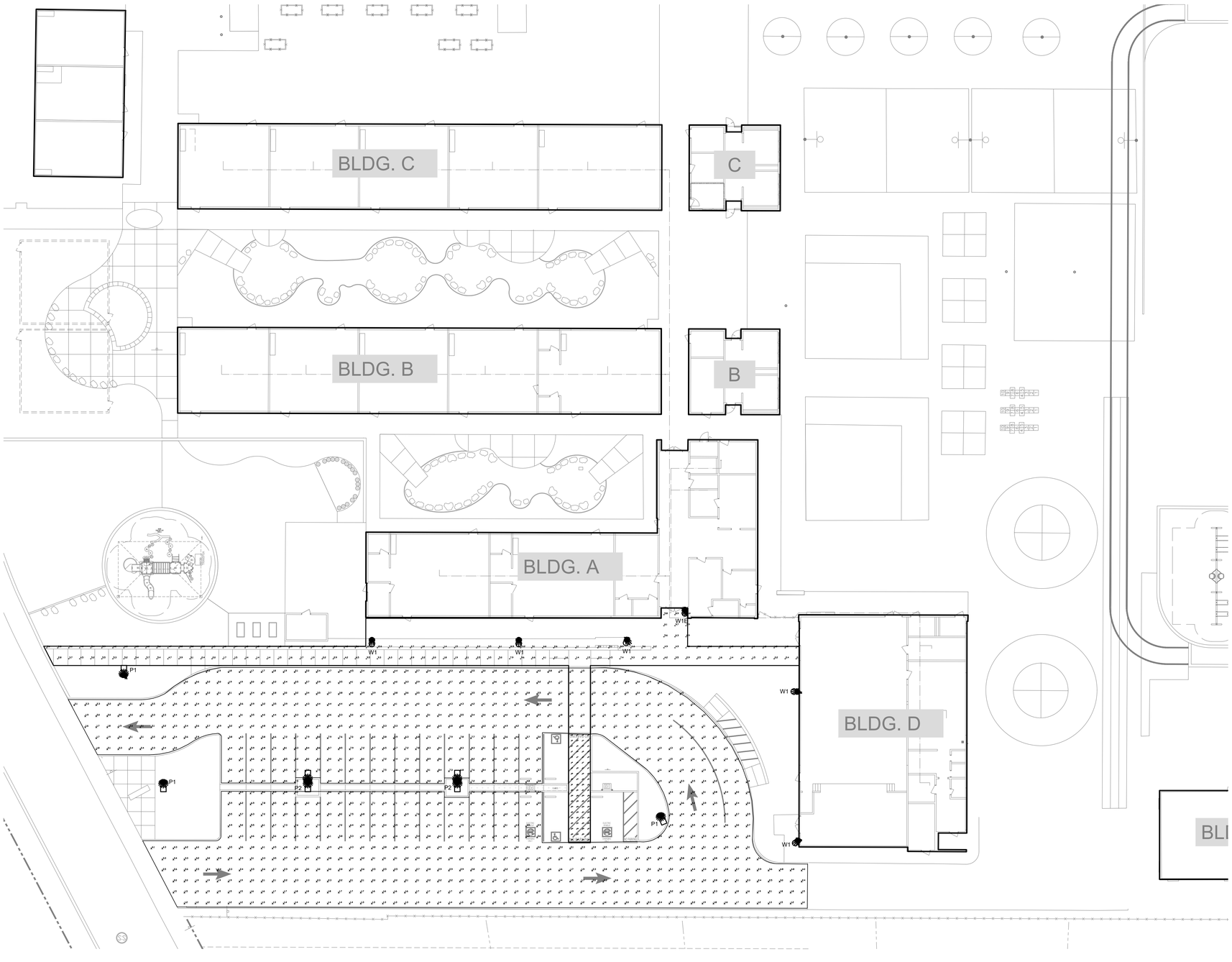
E-101

LIGHTING FIXTURE SCHEDULE

SYMBOL	LABEL	MANUFACTURER/MODEL NUMBER	MOUNTING	LUMENS & COLOR TEMP.	LIGHT LOSS FACTOR	WATTAGE	REMARKS
	W1	BAR LIGHTING WP2LED-49L-740-U	WALL @ +10'	LED 4000K 4900 LUMENS	1.0	34	LED WALL MOUNT.
	P1	BAR LIGHTING IVA-T4-130L-PA-740-U	POLE @ +20'	LED 4000K 14000 LUMENS	1.0	116	LED POLE MOUNT.
	P2	BAR LIGHTING IVA-T4-130L-PA-740-U	POLE @ +20'	LED 4000K 14000 LUMENS	1.0	116	LED POLE MOUNT.

PHOTOMETRIC STATISTICS

SYMBOL	DESCRIPTION	AVERAGE	MAXIMUM	MINIMUM	MAXIMUM/MINIMUM	AVERAGE/MIMINUM
+	PATH OF TRAVEL	4.1 FC	13.2 FC	1.0 FC	13.2/1	4.1/1
*	PARKING AREA	3.9 FC	9.3 FC	1.0 FC	9.3/1	3.9/1



1 ELECTRICAL PHOTOMETRIC SITE PLAN

SCALE: 1" = 30'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

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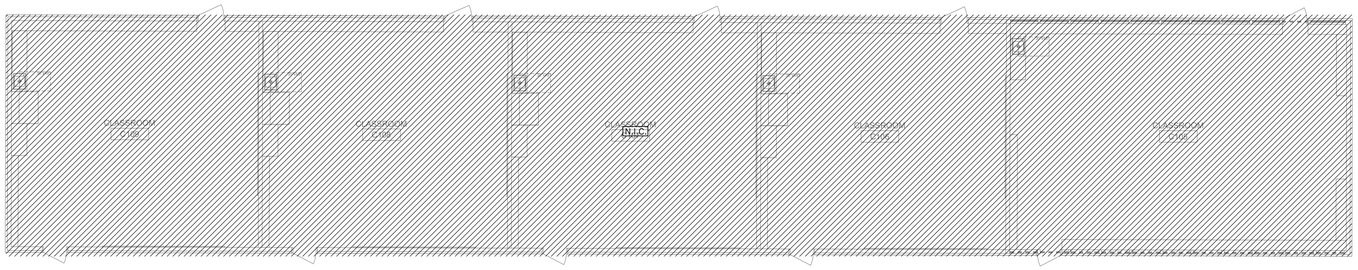
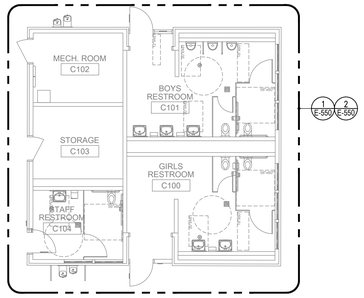
SHEET TITLE

ELECTRICAL PHOTOMETRIC SITE PLAN

SHEET NO.

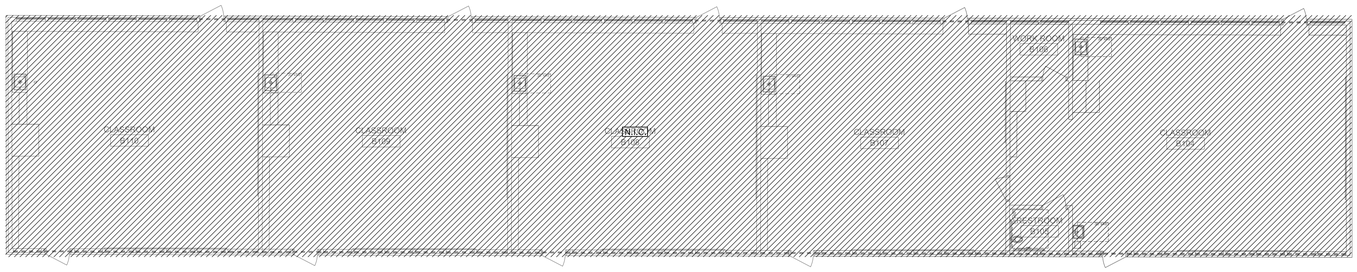
E-102

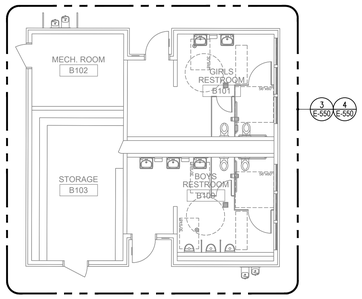




1 BUILDING C FLOOR PLAN

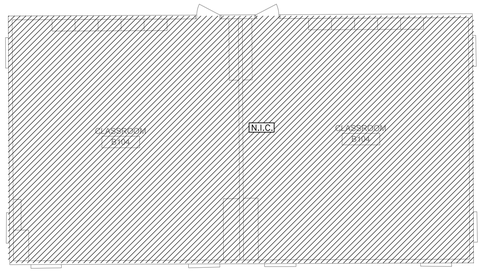
SCALE: 1/8" = 1'-0"





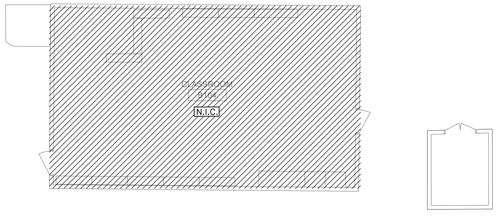
2 BUILDING B FLOOR PLAN

SCALE: 1/8" = 1'-0"



3 BUILDING E FLOOR PLAN

SCALE: 1/8" = 1'-0"



4 BUILDING "X" FLOOR PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

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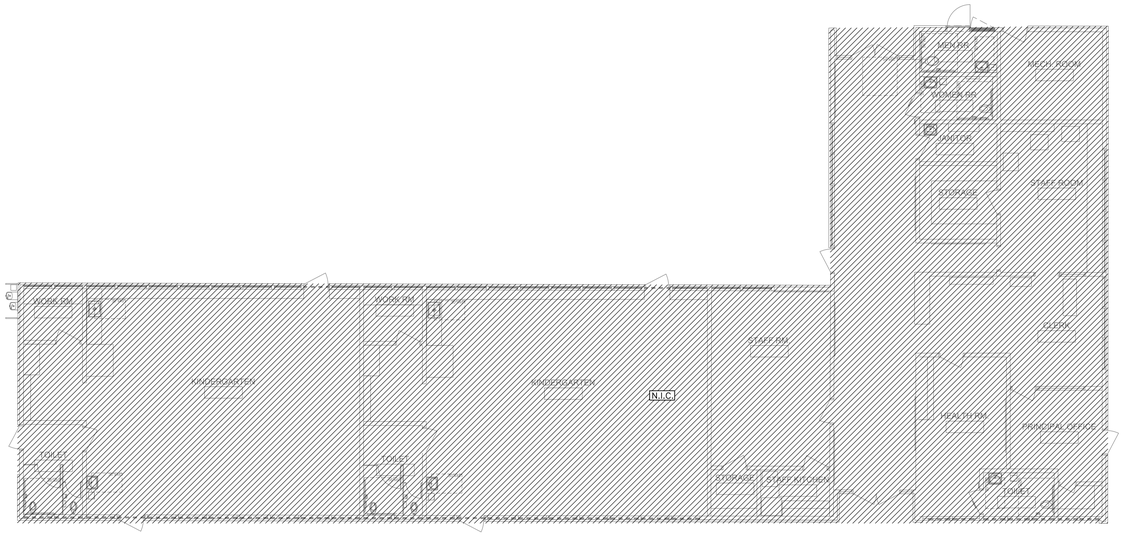
ELECTRICAL
FLOOR PLANS

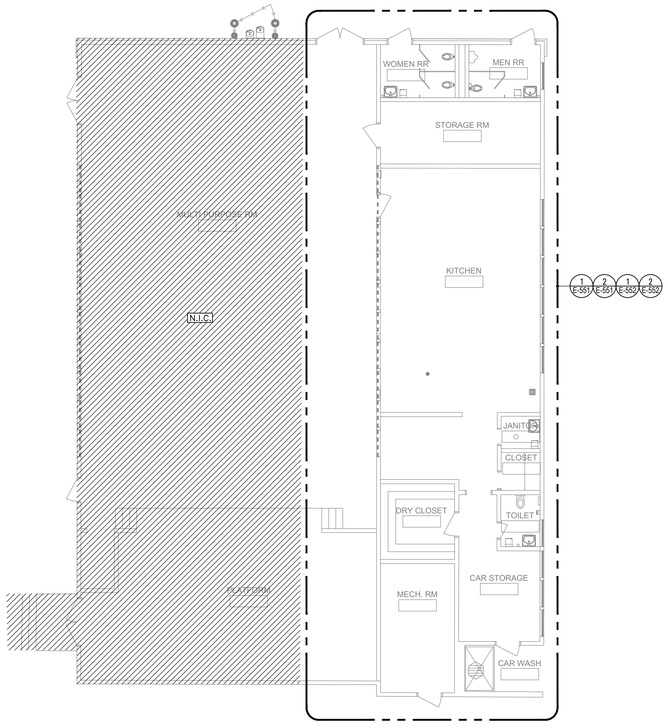
SHEET NO.

E-110



1 BUILDING A FLOOR PLAN

SCALE: 1/8" = 1'-0"



2 BUILDING D FLOOR PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

DIVISION OF THE STATE ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

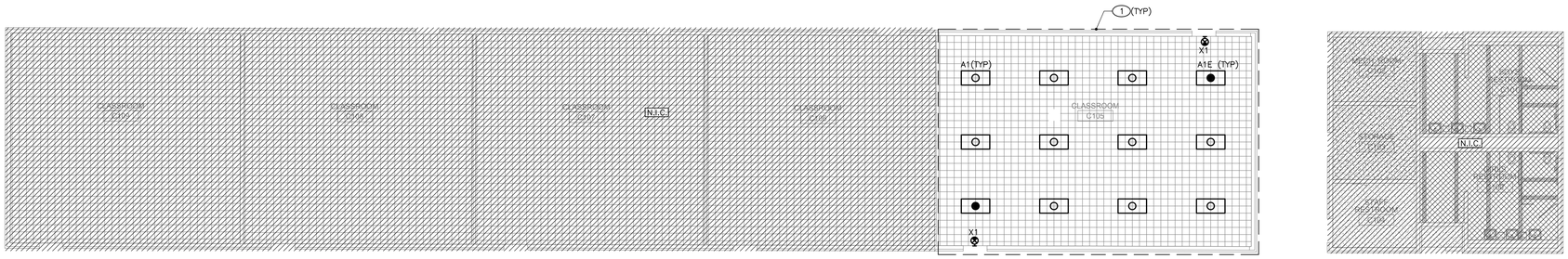
JOB NO.: Y2421.00

SHEET TITLE

ELECTRICAL FLOOR PLANS

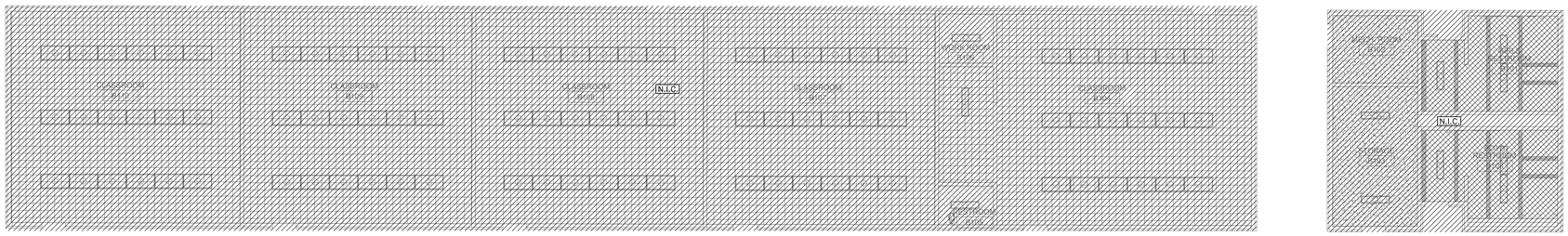
SHEET NO.

E-111



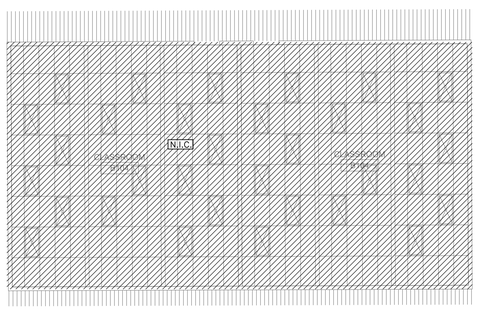
1 BUILDING C - CEILING PLAN

SCALE: 1/8" = 1'-0"



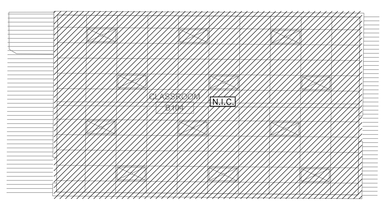
2 BUILDING B - CEILING PLAN

SCALE: 1/8" = 1'-0"



3 BUILDING E - CEILING PLAN

SCALE: 1/8" = 1'-0"



4 BUILDING "X" - CEILING PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

KEY NOTES

1. REPLACE (E) LIGHT FIXTURES WITH NEW LED LIGHT FIXTURES IN LIBRARY–C105. RESERVE THE (E) LIGHTING CIRCUIT AND CONTROLS FOR THE NEW LIGHT FIXTURES. RECONNECT THE NEW LIGHTING FIXTURES TO THE EXISTING CIRCUIT AND CONTROLS.

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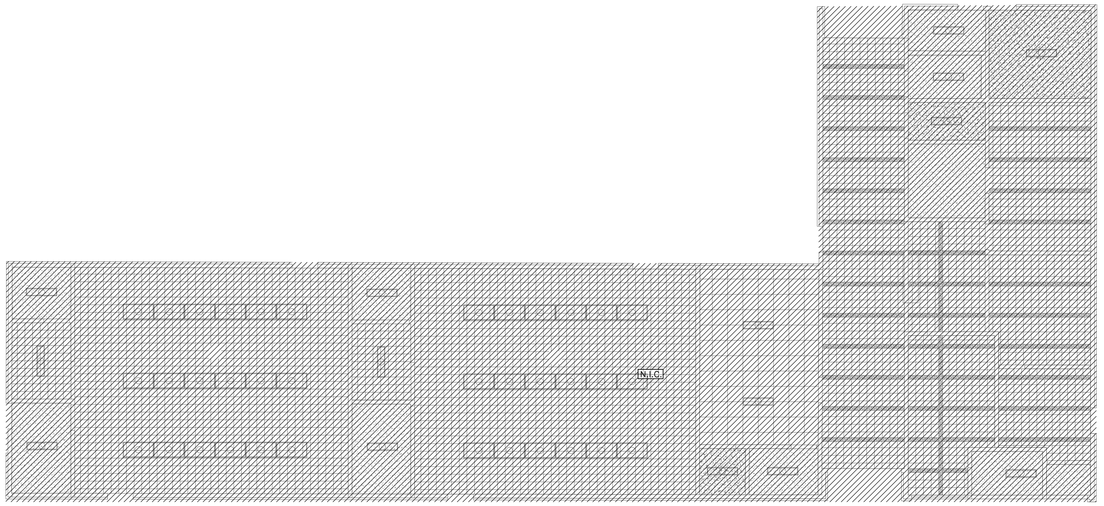
SHEET TITLE

ELECTRICAL
REFLECTED CEILING PLANS
BLDG B , C , E & X

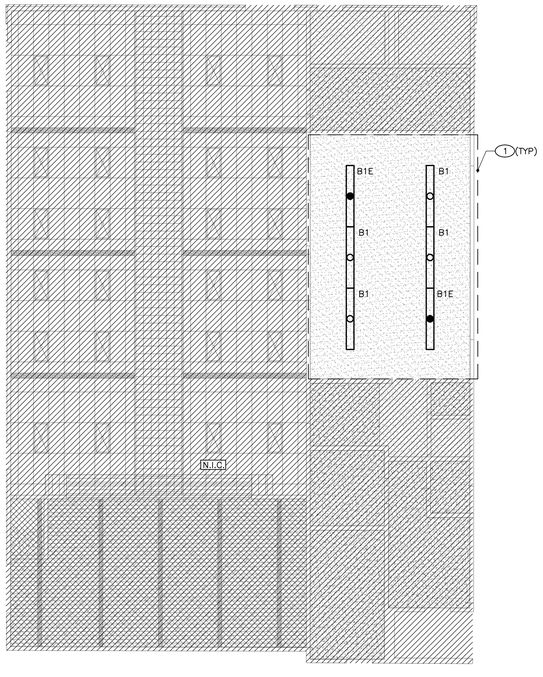
SHEET NO.

E-112



1 BUILDING A - CEILING PLAN

SCALE: 1/8" = 1'-0"



1 BUILDING D - CEILING PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

KEY NOTES

1. REPLACE (E) LIGHT FIXTURES WITH NEW LED LIGHT FIXTURES IN KITCHEN ROOM. RESERVE THE (E) LIGHTING CIRCUIT AND CONTROLS FOR THE NEW LIGHT FIXTURES. RECONNECT THE NEW LIGHTING FIXTURES TO THE EXISTING CIRCUIT AND CONTROLS.

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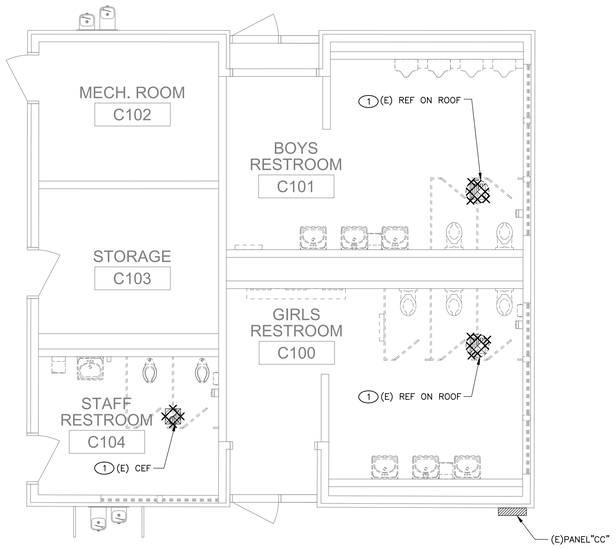
SHEET TITLE

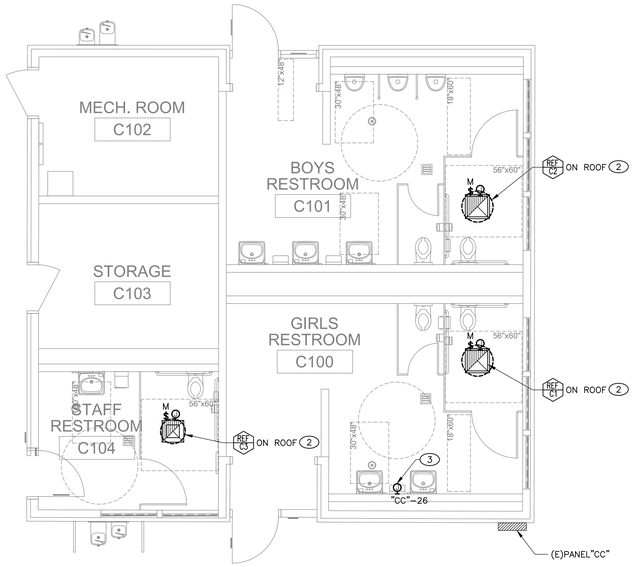
ELECTRICAL
REFLECTED CEILING PLANS
BLDG A & D

SHEET NO.

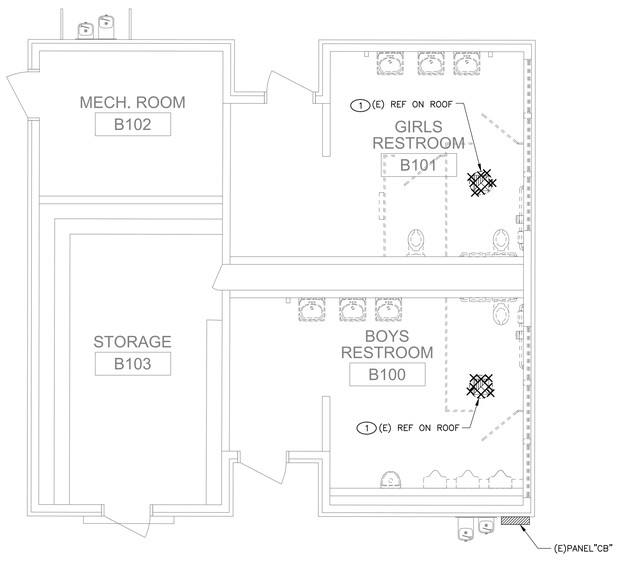
E-113



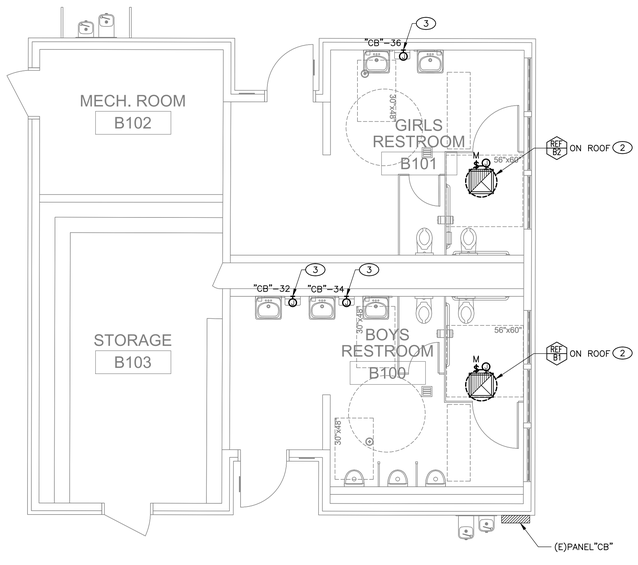
1 BLDG. C RESTROOMS - ENLARGED DEMO PLAN
SCALE: 1/4" = 1'-0"



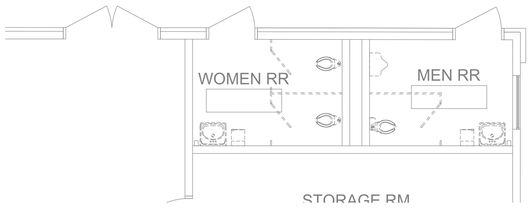
2 BLDG. C RESTROOMS - ENLARGED NEW PLAN
SCALE: 1/4" = 1'-0"



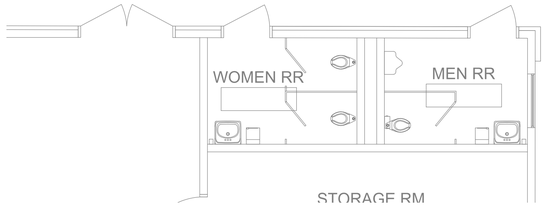
3 BLDG. B RESTROOMS - ENLARGED DEMO PLAN
SCALE: 1/4" = 1'-0"



4 BLDG. B RESTROOMS - ENLARGED NEW PLAN
SCALE: 1/4" = 1'-0"



5 BLDG. D RESTROOMS - ENLARGED DEMO PLAN
SCALE: 1/4" = 1'-0"



6 BLDG. D RESTROOMS - ENLARGED NEW PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

KEY NOTES

1. DEMO EXHAUST FANS; PRESERVE EXISTING POWER CIRCUITS AND CONTROLS.
2. NEW EXHAUST FANS; RECONNECT TO EXISTING CIRCUIT AND CONTROL.
3. PROVIDE 120V, 20A POWER CONNECTION TO ELECTRIC HAND DRYER. USE THE (E) AVAILABLE SPACE IN THE (E) PANEL. PROVIDE NEW BREAKER TO MATCH EXISTING TYPE AND AIC RATING AND BREAKER SIZE. COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT INSTALLER ON SITE.

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REVISIONS

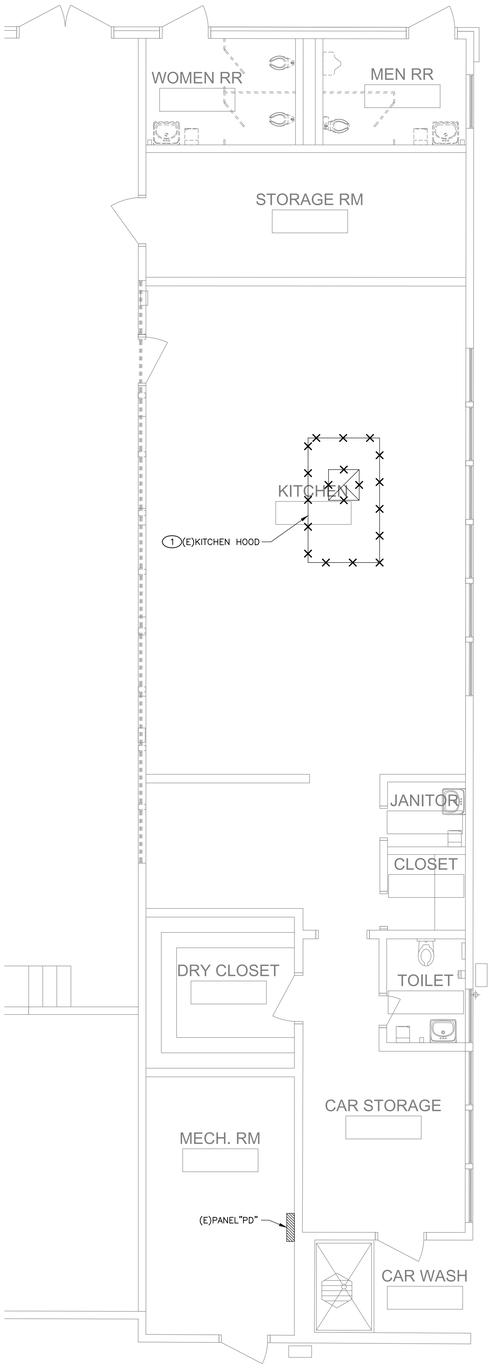
NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE

ELECTRICAL
RESTROOM FLOOR PLANS

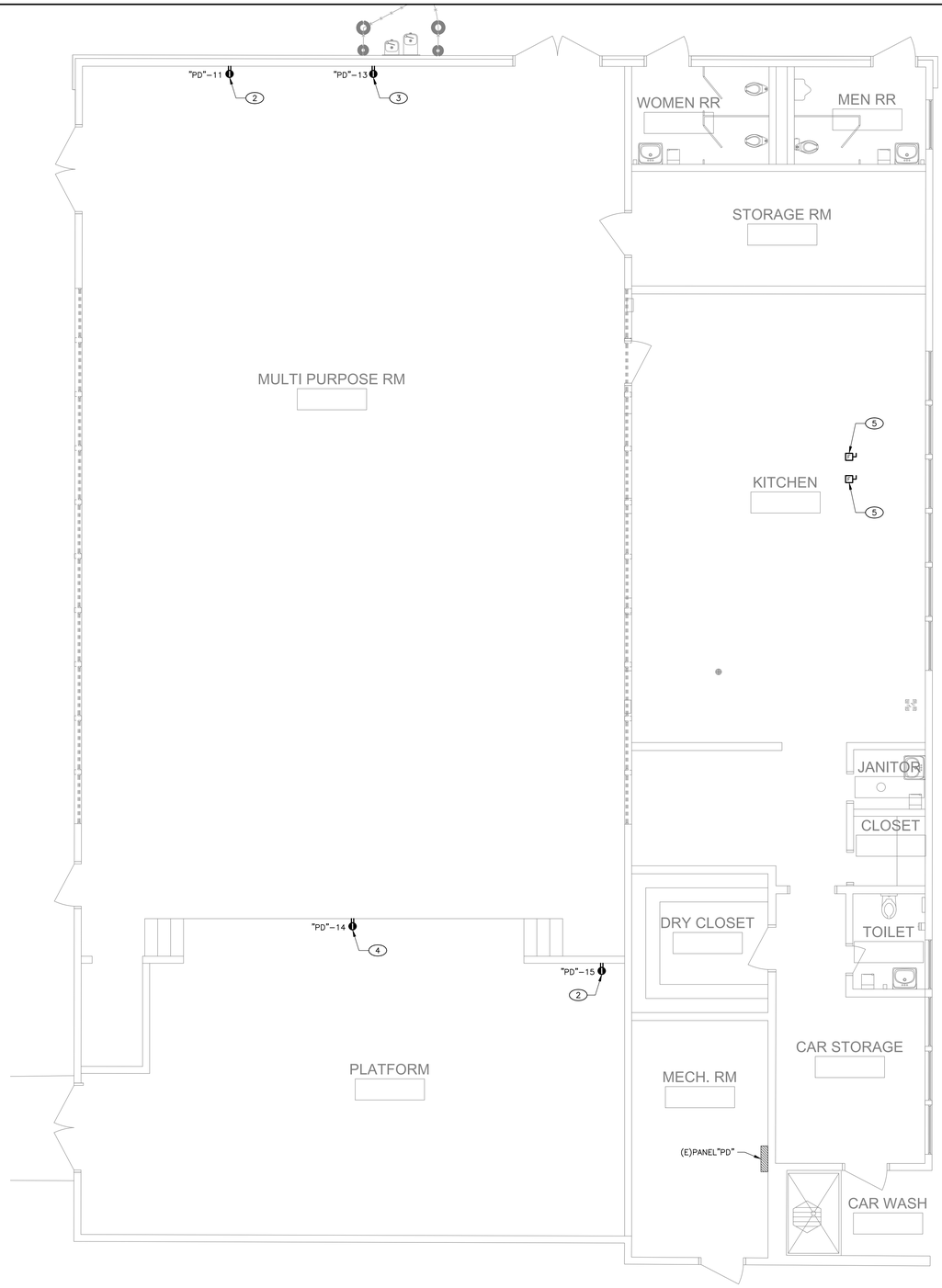
SHEET NO.

E-550



1 BLDG. D KITCHEN - ENLARGED DEMO PLAN

SCALE: 1/4" = 1'-0"



2 BLDG. D KITCHEN - ENLARGED NEW PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

KEY NOTES

#

1. DEMO KITCHEN HOOD, REMOVE ASSOCIATED POWER CIRCUITS BACK TO SOURCE.
2. PROVIDE 120V, 20A POWER CONNECTION TO AV RACK. USE THE (E) AVAILABLE SPACE IN THE (E) PANEL. PROVIDE NEW BREAKER TO MATCH EXISTING TYPE AND AIC RATING AND BREAKER SIZE. COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY ON SITE.
3. PROVIDE 120V, 20A POWER CONNECTION TO PROJECTOR. USE THE (E) AVAILABLE SPACE IN THE (E) PANEL. PROVIDE NEW BREAKER TO MATCH EXISTING TYPE AND AIC RATING AND BREAKER SIZE. COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY ON SITE.
4. PROVIDE 120V, 20A POWER CONNECTION TO PROJECTOR SCREEN. USE THE (E) AVAILABLE SPACE IN THE (E) PANEL. PROVIDE NEW BREAKER TO MATCH EXISTING TYPE AND AIC RATING AND BREAKER SIZE. COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY ON SITE.
5. PROVIDE HEAVY DUTY WEATHERPROOF FUSIBLE DISCONNECT SWITCH FOR OVEN. COORDINATE THE EXACT LOCATION ON SITE. SEE ONE LINE DIAGRAM FOR CONNECTION INFO.

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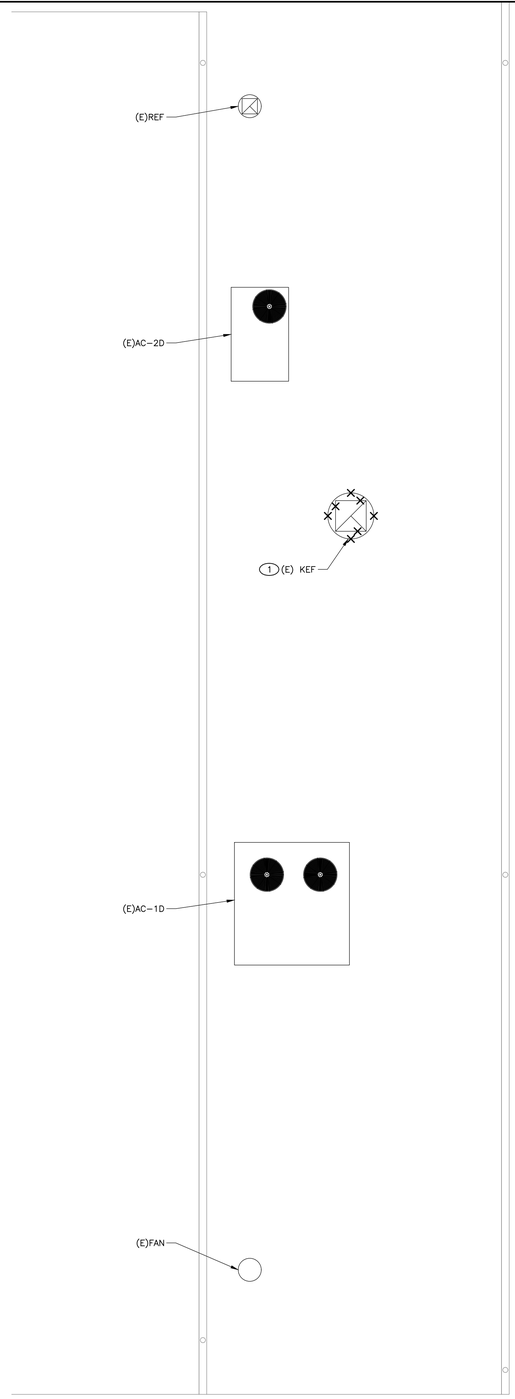
SHEET TITLE

ELECTRICAL
ENLARGED FLOOR PLANS

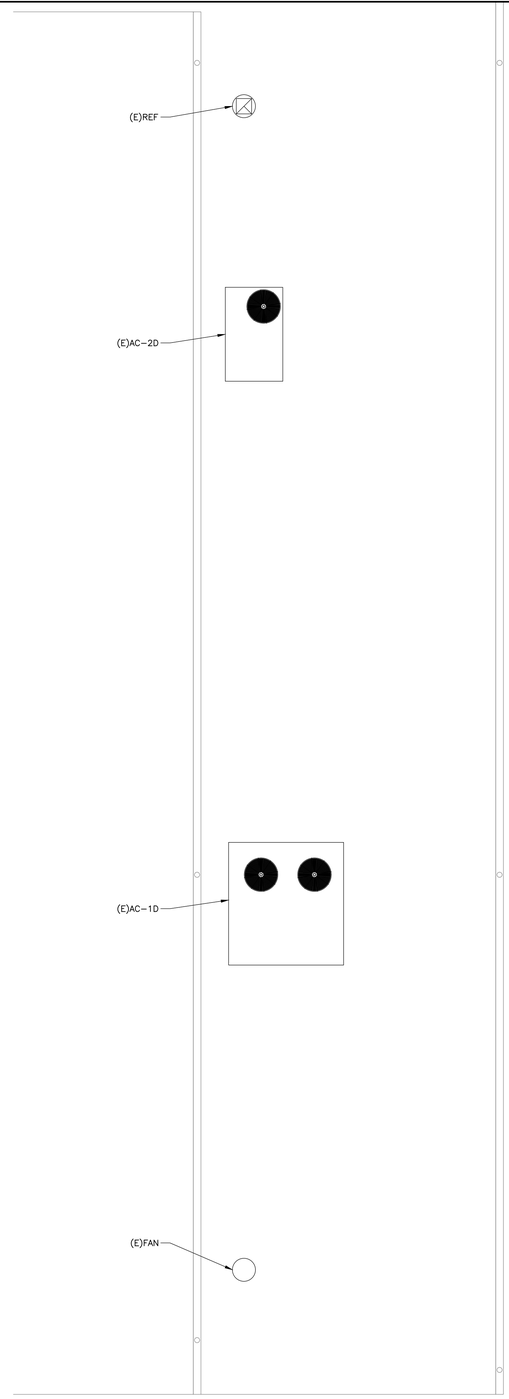
SHEET NO.

E-551



1 BLDG. D KITCHEN - ENLARGED DEMO ROOF PLAN

SCALE: 1/4" = 1'-0"



2 BLDG. D KITCHEN - ENLARGED NEW ROOF PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

B. PATCH, REPAIR AND FINISH AS NECESSARY FOR ANY DAMAGES DURING DEMOLITION AND INSTALL.

KEY NOTES

#

1. DEMO KITCHEN EXHAUST FAN, REMOVE ASSOCIATED POWER CIRCUITS BACK TO SOURCE.

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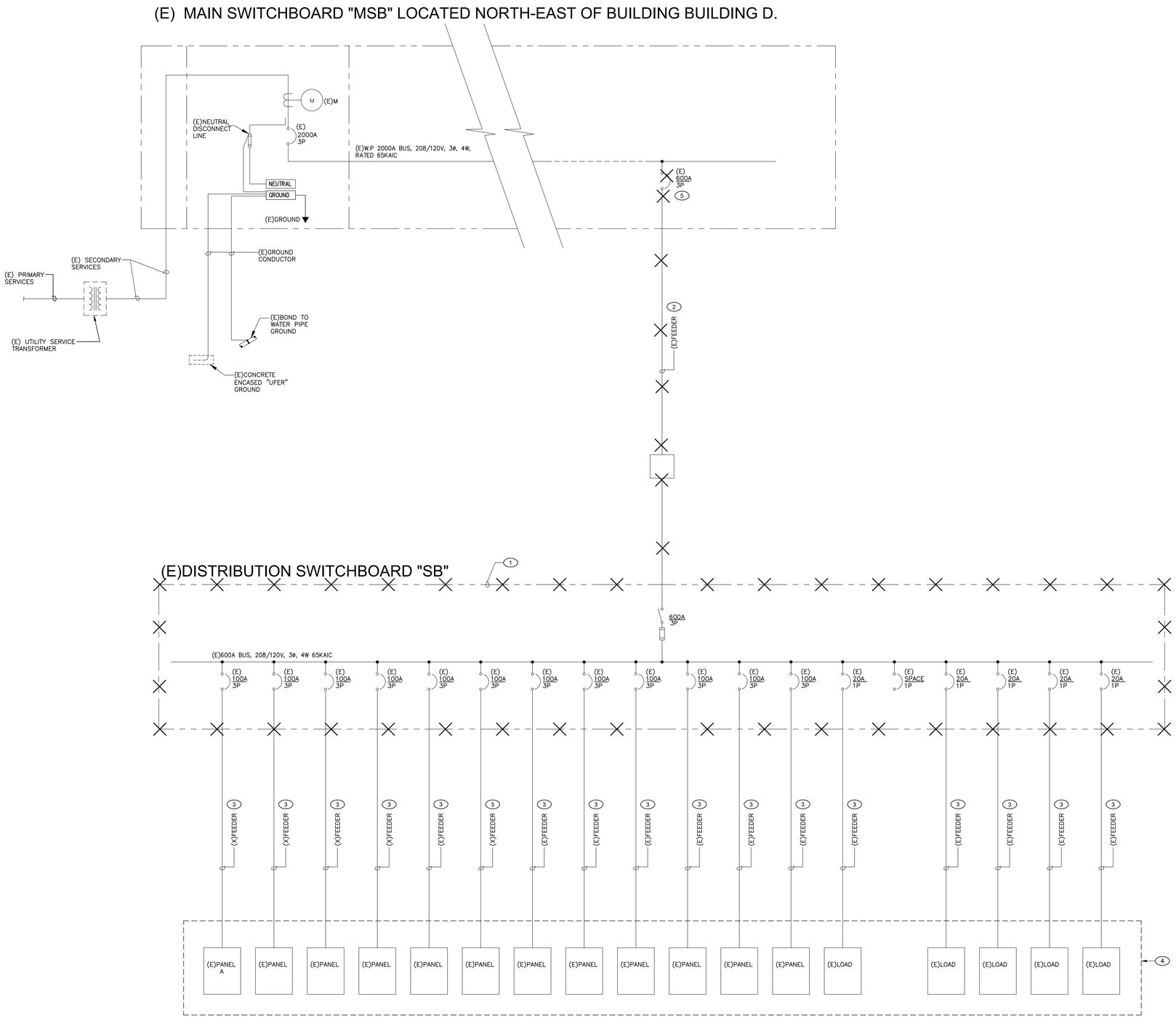
SHEET TITLE

ELECTRIICAL
ENLARGED ROOF PLANS

SHEET NO.

E-552



GENERAL NOTES

A. ALL REMOVED AND/OR DEMOLISHED COPPER CONDUCTORS AND ELECTRICAL EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER ARE DEEMED SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER. ALL ELECTRICAL MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR ACCORDINGLY. SEE DEMOLITION NOTES ON SHEET E001 FOR MORE INFO.

B. FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.

C. UNDERGROUND CONDUITS SHALL BE SCH–40 PVC.

KEY NOTES

1. REMOVE (E)DISTRIBUTION SWITCHBOARD AND REPLACE WITH A (N)DISTRIBUTION SWITCHBOARD. BEFORE START OF WORK, CONTRACTOR SHALL VERIFY THE EXISTING CIRCUIT DESIGNATIONS AT THE (E)DISTRIBUTION SWITCHBOARD AND TAG THE EXISTING INCOMING AND OUTGOING FEEDERS THAT ARE TO REMAIN. INTERCEPT THE TAGGED FEEDERS AND BRANCH CIRCUITS; EXTEND AND RECONNECT THEM TO THE (N)DISTRIBUTION SWITCHBOARD TO MAINTAIN EXISTING CIRCUIT CONTINUITY TO THE REMAINING ELECTRICAL PANELS AND/OR EQUIPMENT. SEE SHEET E612 FOR (N)DISTRIBUTION SWITCHBOARD INFO.
2. DISCONNECT REMOVE EXISTING UNDERGROUND CONDUCTORS. REMOVE EXISTING ACCESSIBLE CONDUITS. ABANDON INACCESSIBLE UNDERGROUND CONDUITS.
3. EXISTING FEEDER TO REMAIN.
4. (E) PANELS TO REMAIN.
5. REPLACE THE EXISTING CIRCUIT BREAKER WITH NEW BREAKER. MATCH THE EXISTING TYPE AND AIC RATING. SEE SHEET E601 FOR NEW CIRCUIT BREAKER INFO.

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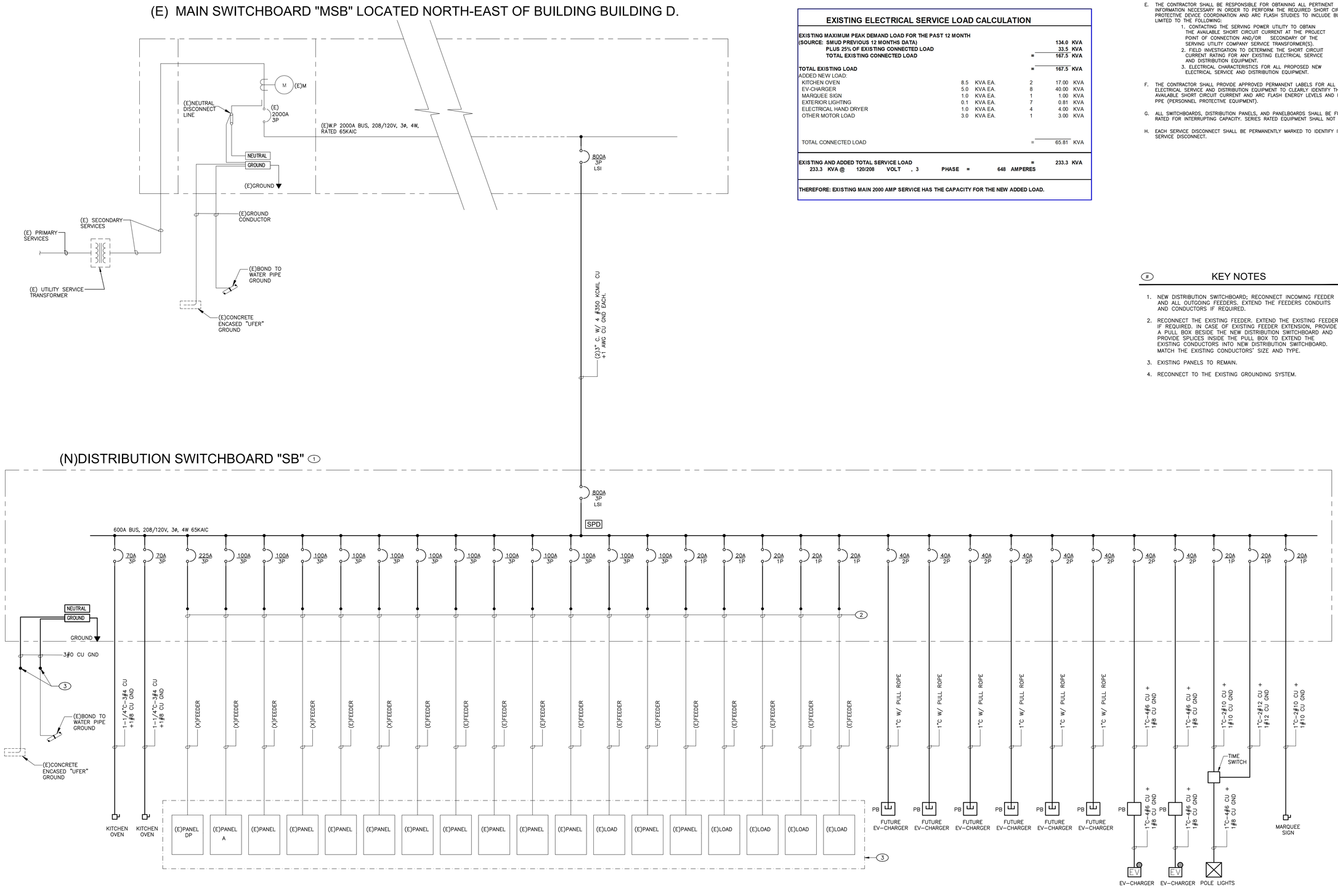
SHEET TITLE

ELECTRICAL
ONE-LINE DIAGRAM

SHEET NO.

E-600



EXISTING ELECTRICAL SERVICE LOAD CALCULATION

EXISTING MAXIMUM PEAK DEMAND LOAD FOR THE PAST 12 MONTH					
(SOURCE: SMUD PREVIOUS 12 MONTHS DATA)					**134.0 KVA**
PLUS 25% OF EXISTING CONNECTED LOAD					**33.5 KVA**
TOTAL EXISTING CONNECTED LOAD				=	**167.5 KVA**
TOTAL EXISTING LOAD				=	**167.5 KVA**
ADDED NEW LOAD:					
KITCHEN OVEN	8.5	KVA EA.	2		17.00 KVA
EV-CHARGER	5.0	KVA EA.	8		40.00 KVA
MARQUEE SIGN	1.0	KVA EA.	1		1.00 KVA
EXTERIOR LIGHTING	0.1	KVA EA.	7		0.81 KVA
ELECTRICAL HAND DRYER	1.0	KVA EA.	4		4.00 KVA
OTHER MOTOR LOAD	3.0	KVA EA.	1		3.00 KVA
TOTAL CONNECTED LOAD				=	65.81 KVA
EXISTING AND ADDED TOTAL SERVICE LOAD				=	**233.3 KVA**
233.3 KVA @ 120/208 VOLT , 3 PHASE = 648 AMPERES					

THEREFORE: EXISTING MAIN 2000 AMP SERVICE HAS THE CAPACITY FOR THE NEW ADDED LOAD.

GENERAL NOTES

A. PROVIDE ALL NECESSARY AUXILIARY EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

B. LETTER FOR SHORT CIRCUIT CURRENT VALUE FROM UTILITY COMPANY SHALL BE AVAILABLE AT THE JOB SITE FOR INSPECTION.

C. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, UNLESS SPECIFIED OTHERWISE.

D. THE CONTRACTOR SHALL, PROVIDE A SHORT CIRCUIT, PROTECTIVE DEVICE COORDINATION STUDY AND ARC FLASH STUDY FOR THE PROJECT COMPLETE ELECTRICAL DISTRIBUTION SYSTEM, SUBMIT TO THE ELECTRICAL ENGINEER OF RECORD FOR REVIEW. PROVIDE ALL SHORT CIRCUIT DEVICE AND EQUIPMENT CHARACTERISTIC INFORMATION FOR ALL ELECTRICAL COMPONENTS PROVIDE TIME–CURRENT CURVES FOR ALL OVERCURRENT PROTECTIVE DEVICES IN THE SUBMITTAL. SET AND ADJUST ALL DEVICES IN ACCORDANCE WITH THE RESULTS OF THIS STUDY PRIOR TO ENERGIZING EQUIPMENT.

E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERTINENT INFORMATION NECESSARY IN ORDER TO PERFORM THE REQUIRED SHORT CIRCUIT PROTECTIVE DEVICE COORDINATION AND ARC FLASH STUDIES TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
   1. CONTACTING THE SERVING POWER UTILITY TO OBTAIN THE AVAILABLE SHORT CIRCUIT CURRENT AT THE PROJECT POINT OF CONNECTION AND/OR SECONDARY OF THE SERVING UTILITY COMPANY SERVICE TRANSFORMER(S).
   2. FIELD INVESTIGATION TO DETERMINE THE SHORT CIRCUIT CURRENT RATING FOR ANY EXISTING ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT.
   3. ELECTRICAL CHARACTERISTICS FOR ALL PROPOSED NEW ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT.

F. THE CONTRACTOR SHALL PROVIDE APPROVED PERMANENT LABELS FOR ALL ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT TO CLEARLY IDENTIFY THE AVAILABLE SHORT CIRCUIT CURRENT AND ARC FLASH ENERGY LEVELS AND REQUIRED PPE (PERSONNEL PROTECTIVE EQUIPMENT).

G. ALL SWITCHBOARDS, DISTRIBUTION PANELS, AND PANELBOARDS SHALL BE FULLY RATED FOR INTERRUPTING CAPACITY. SERIES RATED EQUIPMENT SHALL NOT BE USED.

H. EACH SERVICE DISCONNECT SHALL BE PERMANENTLY MARKED TO IDENTIFY IT AS A SERVICE DISCONNECT.

KEY NOTES

1. NEW DISTRIBUTION SWITCHBOARD; RECONNECT INCOMING FEEDER AND ALL OUTGOING FEEDERS. EXTEND THE FEEDERS CONDUITS AND CONDUCTORS IF REQUIRED.
2. RECONNECT THE EXISTING FEEDER. EXTEND THE EXISTING FEEDER IF REQUIRED. IN CASE OF EXISTING FEEDER EXTENSION, PROVIDE A PULL BOX BESIDE THE NEW DISTRIBUTION SWITCHBOARD AND PROVIDE SPLICES INSIDE THE PULL BOX TO EXTEND THE EXISTING CONDUCTORS INTO NEW DISTRIBUTION SWITCHBOARD. MATCH THE EXISTING CONDUCTORS' SIZE AND TYPE.
3. EXISTING PANELS TO REMAIN.
4. RECONNECT TO THE EXISTING GROUNDING SYSTEM.

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

CONSULTING ENGINEERS
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
CONSULTANT Job #: 24-2100

REGISTERED PROFESSIONAL ENGINEER
RAMI S. ZEIDAN
No. E 16762
Exp. 9/30/26
ELECTRICAL
STATE OF CALIFORNIA

nacht&lewis
600 Q Street, Suite 100
Sacramento, CA 95811
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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE

ELECTRICAL ONE-LINE DIAGRAM

SHEET NO.

E-601

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & MODEL NUMBER	LAMP	LUMENS	COLOR TEMP	VOLTS	WATTS	MOUNTING	DESCRIPTION
A1	HE. WILLIAMS DIS-24-L64-840-AD-DIM-UNV	LED	6400 lm	4000 K	UNV	56 W	CEILING SURFACE	2x4 LED SURFACE MOUNT
A1E	HE. WILLIAMS DIS-24-L64-840-AD-EM/10-DIM-UNV	LED	6400 lm	4000 K	UNV	56 W	CEILING SURFACE	2x4 LED SURFACE MOUNT
B1	RAB LIGHTING SEAL8-80-4000K-PIR	LED	11120 lm	4000 K	UNV	80 W	CEILING SURFACE	LED SURFACE MOUNT
B1E	RAB LIGHTING SEAL8-80-4000K-PIR/EM	LED	11120 lm	4000 K	UNV	80 W	CEILING SURFACE	LED SURFACE MOUNT
P1	RAB LIGHTING IVA-T4-130L-PA-740-U	LED	14000 lm	4000 K	UNV	116 W	POLE @ + 20'	ONE LUMINAIRE ON SAME POLE. PROVIDE WITH MOTION SENSOR.
P2	RAB LIGHTING IVA-T4-130L-PA-740-U	LED	14000 lm	4000 K	UNV	116 W	POLE @ + 20'	TWO LUMINAIRES ON SAME POLE. PROVIDE WITH MOTION SENSOR.
W1	RAB LIGHTING WP2LED-49L-740-U-XX	LED	4900 lm	4000 K	UNV	34 W	WALL @ + 10'	LED WALL MOUNT
W1E	RAB LIGHTING WP2LED-49L-740-U-EM	LED	4900 lm	4000 K	UNV	34 W	WALL @ + 10'	LED WALL MOUNT

NOTES:

1. COORDINATE LIGHT FIXTURE COLORS & FINISHES WITH ARCHITECT (TYPICAL).
2. EMERGENCY LIGHT FIXTURES SHALL BE PROVIDED WITH 90-MINUTE RUNTIME INTERGRATED BATTERY PACK WITH MINIMUM. PROVIDE UNSWITCHED HOT LEG FOR TRICKLE CHARGE TO EMERGENCY BATTERY PACK.
3. EXIT LIGHTS SHALL BE PROVIDED WITH WITH 90-MINUTE RUNTIME INTERGRATED BATTERY PACK. PROVIDE UNSWITCHED HOT LEG FOR TRICKLE CHARGE TO EMERGENCY BATTERY PACK.

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

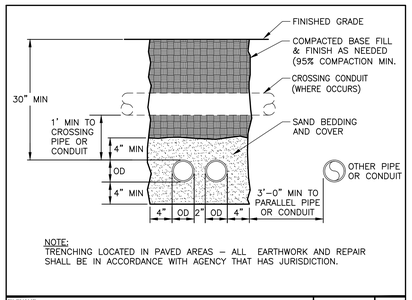
JOB NO.: Y2421.00

SHEET TITLE

ELECTRICAL SCHEDULES

SHEET NO.

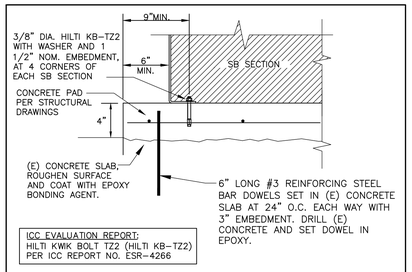
E-700



NOTE:
TRENCHING LOCATED IN PAVED AREAS – ALL EARTHWORK AND REPAIR SHALL BE IN ACCORDANCE WITH AGENCY THAT HAS JURISDICTION.

FILENAME

TYPICAL TRENCH DETAIL | NTS | 7



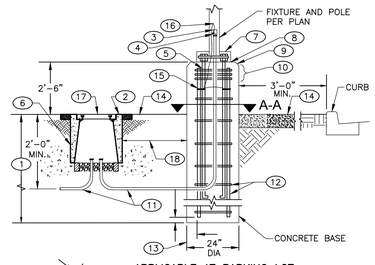
ICC EVALUATION REPORT:
HILTI KWIK BOLT TZ2 (HILTI KB-TZ2) PER ICC REPORT NO. ESR-4266

FILENAME

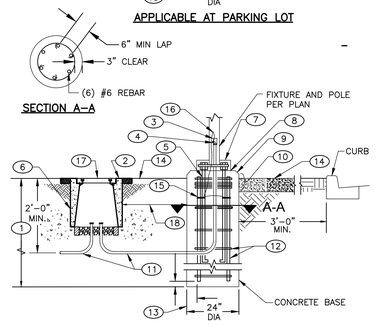
DIST. SWITCHBOARD "SB" CONCRETE TO CONCRETE PAD MOUNTING DETAIL | NTS | 8

KEY NOTES:

1. PROVIDE 48" MINIMUM FOR LIGHT POLE UP TO 25 FEET, AND 60" MINIMUM FOR LIGHT POLE UP TO 35 FEET. COORDINATE CONCRETE BASE SIZE WITH STRUCTURAL ENGINEER.
2. UNDERGROUND PULL BOX REQUIRED ADJACENT TO POLE BASE WHERE INDICATED ON DRAWINGS. SET TOP OF PULLBOX FLUSH WITH FINISHED GRADE.
3. GASKETED HANDHOLE COVER WITH TWO STAINLESS STEEL TAMPERPROOF SCREWS.
4. CONNECT GROUND WIRE TO GROUNDING LUG OF POLE AT HANDHOLE.
5. FOUR ANCHOR BOLTS, 3/4"x25"x3" F1554 GR.36 HEADED BOLTS WITH DOUBLE NUTS WITH 24" MINIMUM EMBEDMENT DEPTH PER MANUFACTURER'S STANDARDS.
6. PROVIDE PULL BOX ONLY WHERE SHOWN ON PLAN.
7. BASECOVER, SECURE TO POLE AND/OR BASE.
8. PROVIDE 1 1/2" MINIMUM GROUT AROUND THE BASE AFTER PLUMB. SLOPE TO GRADE FOR DRAINAGE.
9. PROVIDE CONCRETE BASE WITH 1/2" CHAMFER. CONCRETE FILL AND SACK FINISH ALL CONCRETE SURFACE IMPERFECTIONS, CAVITIES AND VOIDS ABOVE FINISHED GRADE .
10. PROVIDE (3) #4 CIRCULAR TIES WITHIN TOP 6".
11. CONDUIT PER PLAN.
12. PROVIDE (6) #6 VERT. REBAR EQ SPACED AND #4 CIRCULAR TIES AT 9" ON CENTER WITH 135 DEGREE SEISMIC HOOK AROUND VERT. REINF. STAGGER LAPS PER MANUFACTUREE'S STANDARDS.
13. PROVIDE 3" CLEAR IF CAST AGAINST EARTH, TYPICAL.
14. FINISHED GRADE OR PAVING PER ARCHITECTURAL DRAWINGS.
15. UL LISTED GROUND CLAMP SUITABLE FOR CONCRETE ENCASEMENT OR DIRECT BURIAL. INSTALL CLAMPS ON ALL ANCHOR BOLTS, TYPICAL.
16. SPLICE GROUND WIRE AND EXTEND TO GROUND CLAMP AT ANCHOR BOLT.
17. PROVIDE TRAFFIC BOLT-DOWN COVER.
18. LOCATE PULL BOX ADJACENT TO THE POLE CONCRETE BASE.



APPLICABLE AT PARKING LOT



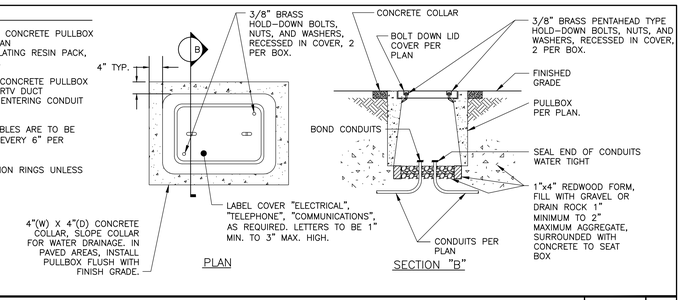
APPLICABLE AT PEDESTRIAN WALKWAY

FILENAME

FIXTURE POLE BASE MOUNTING DETAIL | NTS | 6

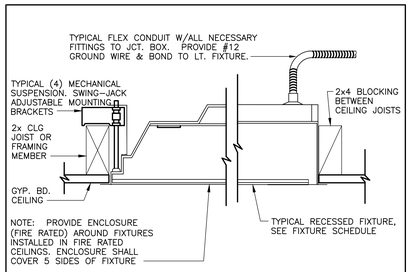
NOTES:

1. ALL SPLICES WITH-IN THE CONCRETE PULLBOX ARE TO BE SEALED WITH AN INSULATING AND ENCAPSULATING RESIN PACK, SCOTCHCAST 4 OR EQUAL.
2. ALL CONDUIT WITHIN THE CONCRETE PULLBOX ARE TO BE SEALED WITH RTV DUCT SEAL TO PREVENT WATER ENTERING CONDUIT SYSTEM.
3. ALL CONDUCTORS AND CABLES ARE TO BE GROUPED AND WIRE TIED EVERY 6" PER CONDUIT FILL.
4. PROVIDE TWO 12" EXTENSION RINGS UNLESS NOTED OTHERWISE



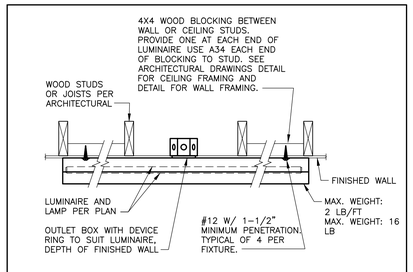
FILENAME

TYPICAL UNDERGROUND CONCRETE PULLBOX DETAIL | NTS | 1



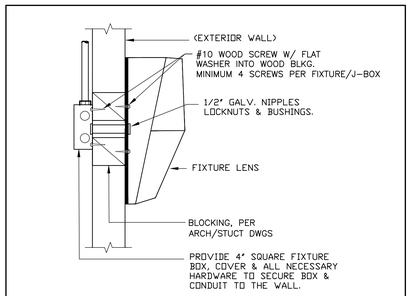
FILENAME

RECESSED FIXTURE MOUNTING DETAIL | NTS | 3



FILENAME

WALL/CEILING SURFACE LIGHT FIXTURE MOUNTING DETAIL FOR WOOD FRAMING | NTS | 2



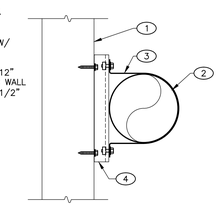
FILENAME

EXTERIOR WALL FIXTURE MOUNTING DETAIL | NTS | 5

KEY NOTES

1. WOOD FRAMED WALL.
2. CONDUIT, SEE PLAN FOR SIZE.
3. "B-LINE" B3180 SERIES PIPE CLAMP. ATTACH TO CHANNEL W/ CHANNEL NUT AND WASHER.
4. "B-LINE" B22 CHANNEL, MIN 12" LONG. ATTACH TO WOOD STUD WALL W/ #10 WOOD SCREWS x 1-1/2" EMBEDMENT, AT 8" O.C.

NOTE:
ALL SUPPORTS TO BE MAX 10 FT ON CENTER AND MAX 3 FT FROM ALL CONDUIT TERMINATIONS WHERE OCCURS



CONDUIT MOUNTING DETAIL - WOOD WALL | NTS | 4

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

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ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE

ELECTRICAL DETAILS

SHEET NO.

E-800

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 7 of 7)
Project Address: 4915 Harte way	Date Prepared:	9/25/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Rami Zeidan	Documentation Author Signature: Rami Zeidan
Company: LP Consulting Engineers, Inc.	Signature Date: 2024-09-25
Address: 1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Roseville CA 95678	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Rami Zeidan	Responsible Designer Signature: Rami Zeidan
Company: LP Consulting Engineers	Date Signed: 2024-09-25
Address: 1209 Pleasant Grove Blvd.	License: 16762
City/State/Zip: Roseville CA 95678	Phone: 916-771-0778

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.		
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 1 of 8)
Project Address: 4915 Harte way	Date Prepared:	9/25/2024

A. GENERAL INFORMATION

01	Project Location (city)	Sacramento	04	Total Illuminated Hardscape Area (ft^2)	19740
02	Climate Zone	12			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐	LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
● Office					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 2 of 8)
	Date Prepared:	9/25/2024

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: if any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results	
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
1,030	+	---	+	---	+	---	+	---	OR	---	=	1,030	≥	1,016	COMPLIES
Shielding Compliance (See Table G for Details)															COMPLIES
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 4 of 7)
	Date Prepared:	9/25/2024

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Electrical and Fire Room	All Other Space Types	Readily Accessible	NA: Enclosed area <100SF	NA: Elec. equip. rm	NA:Garage < 36sf opening	NA:Garage < 36sf opening	No	☐	☐
13									
Plan Sheet Showing Daylit Zones:									

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Unconditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft^2)	Area (ft^2)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Undefined Zone	Office (>250 square feet)	0.6	2,949.5	1,769.7	No	No
		TOTALS:	2,949.5	1,769.7	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 5 of 7)
	Date Prepared:	9/25/2024

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 6 of 7)
	Date Prepared:	9/25/2024

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch;

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
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Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 1 of 7)
Project Address: 4915 Harte way	Date Prepared:	9/25/2024

A. GENERAL INFORMATION

01	Project Location (city)	Sacramento	04	Total Conditioned Floor Area (ft^2)	0
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft^2)	2,950
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
● Office					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft^2)	Calculation Method	Area (ft^2)
☒ New Lighting System	Area Category Method	0	Area Category Method	2950
☐ New Lighting System - Parking Garage				
Total Area of Work (ft^2)	0		2950	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 2 of 7)
	Date Prepared:	9/25/2024

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04		05	06	07		08		09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	**Total Allowed** (Watts)	≥ Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)				
Conditioned					=		≥		=			
Unconditioned		1,769.7	0		=	1,770	≥ 1,152	0	=	1152		COMPLIES
Controls Compliance (See Table H for Details)												COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)												

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

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F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hote/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisons for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A1	A1, DIS, LED	No	NA	56	Mfr. Spec	12	No	672	☐	☐
B1	B1, SEAL8, LED	No	NA	80	Mfr. Spec	6	No	480	☐	☐
Total Designed Watts: UNCONDITIONED SPACES								1,152		

[1] FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

[2] Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	Whole Building Auto Time Switch		

DIVISION OF THE STATE ARCHITECT

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REGISTERED PROFESSIONAL ENGINEER
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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE

TITLE 24 COMPLIANCE CALCULATIONS

SHEET NO.

T24-101

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 6 of 8)
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I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

01				
☒ General Hardscape Allowance Table I (below)	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft^2)	Allowed Density (W/ft^2)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
PATH OF TRAVEL AND PARKING AREA	19740	0.021	414.5	1828	0.2	365.6	780
						Initial Wattage Allowance for Entire Site (Watts):	250
						Instances of Initial Wattage Allowance (LZ 0 only)[1]	
						Total General Hardscape Allowance (Watts):	1030

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

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M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	PARKING LOT & WALKWAYS;

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Project Address: 4915 Harte way	Date Prepared:	9/25/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Rami Zeidan	Documentation Author Signature: Rami Zeidan
Company: LP Consulting Engineers, Inc.	Signature Date: 2024-09-25
Address: 1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Roseville CA 95678	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Rami Zeidan	Responsible Designer Signature: Rami Zeidan
Company: LP Consulting Engineers	Date Signed: 2024-09-25
Address: 1209 Pleasant Grove Blvd.	License: 16762
City/State/Zip: Roseville CA 95678	Phone: 916-771-0778

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: HOLLYWOOD PARK ES MOD	Report Page:	(Page 3 of 8)
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F. OUTDOOR LIGHTING FIXTURE SCHEDULE
For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included).
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req.:> 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
P1	P1, IVA	☐ Linear	116	Mfr. Spec	7	New	☐	812	Provided	☐	☐
W1	W1,WP, LED	☐ Linear	34	Mfr. Spec	6	New	☐	204	NA: < 6200 lumens	☐	☐
							Total Design Watts:	1016			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1]FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
[2] For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
[3] Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
[4] Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

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G. SHIELDING REQUIREMENTS (BUG)
This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating[2]			Uplight Rating[2]			Glare Rating (Lumens)[2]			Field Inspector	
		Mounting Height[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design	Pass	Fail
P1	P1, IVA	2 MH from property line	No Limit	B3	All other outdoor lighting, including decorative	U3	U0	Front hemisphere is 1 - 2 MH from prop line	G1	G3	☐	☐

[1]FOOTNOTES: Mounting Height is labeled MH in this table.
[2] Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)
[3] BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

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H. OUTDOOR LIGHTING CONTROLS
This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
PARKING LOT & WALKWAYS	Astronomical Timer	Provided	Provided	☐	☐

[1]FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
[2]Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
[3]Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

DIVISION OF THE STATE ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE

TITLE 24 COMPLIANCE CALCULATIONS

SHEET NO.

T24-102

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 AND ASCE 7–16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7–16 SECTION 13.3 AS DEFINED IN ASCE 7–16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24 THROUGH 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE–APPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☐	☐	☒	☐	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
☐	☐	☐	☐	OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCAI PRE–APPROVAL (OPM#) #0043–13.

MECHANICAL LEGEND

SYMBOL	ITEM	ABBR.
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	TRANSFER AIR	TA
M-1	DETAIL DESIGNATION DETAIL NUMBER SHEET NO. WHERE SHOWN	
AC-1	EQUIPMENT DESIGNATION UNIT ABBREVIATION NUMBER	
A 10x10–3 120, FD	GRILLE DESIGNATION NECK SIZE & BLOW (4 UON) FIRE DAMPER WHERE REQ'D CFM	
	ACOUSTIC LINED DUCT	L
	TURNING VANES	TV
	DUCT FLEXIBLE CONNECTION	
	DUCT RISER	
	DUCT DROP	
	RECTANGULAR TO ROUND FITTING	
	VOLUME CONTROL DAMPER	VD
FD	FIRE DAMPER W/ ACCESS	FD
FSD	FIRE SMOKE DAMPER W/ ACCESS	FSD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
M	MOTORIZED DAMPER	
	TOP OF BOX	TOB
T	THERMOSTAT @ +48" AFF @ TOB	T–STAT
S	SENSOR @ +48" AFF @ TOB	
TC	TIMECLOCK @ +48" AFF @ TOB	
TCP	TEMPERATURE CONTROL PANEL	TCP
SD	DUCT SMOKE DETECTOR	SD
	PIPE RISER/DROP	(R)/(D)
	ABOVE FINISHED FLOOR	AFF
	UNLESS OTHERWISE NOTED	UON
	TYPICAL	(TYP)
	BOTTOM OF DUCT	BOD
	BOTTOM OF PIPE	BOP
	AUTOMATIC AIR VENT	AAV
	MANUAL AIR VENT	MAV
	TEMP. CONTROL CONTRACTOR	TCC
	TEMPERATURE CONTROL VALVE	TCV
	COMBUSTION AIR	CA
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	POD/POC
	HEATING HOT WATER SUPPLY	HHWS
	HEATING HOT WATER RETURN	HHWR
	2–WAY CONTROL VALVE	
	BACKFLOW PREVENTER	BFP
	BALL VALVE	
	BUTTERFLY VALVE	
	CAP	
	CHECK VALVE	
	AUTOMATIC BALANCE VALVE (B&G ULTRA SET)	ABV
	AUTOMATIC BALANCE VALVE (B&G CIRCUIT SETTER)	CBV
	CONTROL VALVE (2–WAY)	
	FLEX CONNECTOR	FC
	FLOW ARROW	
	GATE VALVE	
	PRESSURE GAUGE	
	PLUG VALVE	
	REDUCER	
	STRAINER	
TS	TEMPERATURE SENSOR	TS
	TEST PORT (PETE'S PLUG)	PP
	THERMOMETER	
	TRIPLE DUTY VALVE	

MECHANICAL NOTES

A. THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
A.1. 2022 CALIFORNIA BUILDING CODE
A.2. 2022 CALIFORNIA MECHANICAL CODE
A.3. 2022 CALIFORNIA PLUMBING CODE
A.4. 2022 CALIFORNIA ELECTRICAL CODE
A.5. 2022 CALIFORNIA GREEN BUILDING STANDARDS
A.6. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS – TITLE 24
A.7. NATIONAL FIRE PROTECTION ASSOCIATION
A.8. CALIFORNIA STATE FIRE MARSHAL

B. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPING, AND OTHER MECHANICAL WORK. USE JUDGEMENT AND CARE TO INSTALL MECHANICAL WORK TO FIT THE JOB CONDITIONS WITHIN THE BUILDING CONSTRUCTION AND FINISHES, AND TO FUNCTION PROPERLY.

C. CONTRACTOR SHALL EXAMINE THE SITE, VERIFY DIMENSIONS AND LOCATIONS WITH DRAWINGS, CHECK UTILITY CONNECTION LOCATIONS, AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF ANY SITE CONDITION WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

D. THIS CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT THE PROGRESS OF THE MECHANICAL WORK WILL CONFORM TO THE PROGRESS OF THE OTHER TRADES, AND SHALL COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITIONS OF THE BUILDING WILL PERMIT. ANY COST RESULTING FROM DEFECTIVE OR ILL TIMED WORK PERFORMED UNDER THIS SECTION SHALL BE BORNE BY THIS CONTRACTOR.

E. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF DETAILS OF MECHANICAL WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR THE SUCCESSFUL OPERATION OF MECHANICAL SYSTEMS DESCRIBED ON THE DRAWINGS OR REQUIRED BY THESE SPECIFICATIONS. FURNISH AND INSTALL ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED WHICH IS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

F. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.

G. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF MECHANICAL EQUIPMENT.

H. SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING NAME OF MANUFACTURER, TRADE NAME, MODEL, CAPACITY, OPTIONS, DIMENSIONS, WEIGHTS, INSTALLATION AND STARTUP DATA. EQUIPMENT PERFORMANCES SCHEDULED ARE MINIMUM CAPACITY, AIR FLOW, EFFICIENCY, ETC. REQUIRED. WEIGHTS AND ELECTRICAL DATA SCHEDULED IS MAXIMUM AVAILABLE OR ALLOWABLE.

I. ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.

J. PROVIDE ACCESS DOORS WHERE ACCESS THROUGH FLOORS, WALLS OR CEILINGS IS REQUIRED TO ACCESS MECHANICAL COMPONENTS OR OTHER SYSTEMS REQUIRING ACCESS FOR MAINTENANCE, TESTING OR OBSERVATION. COORDINATE THE EXACT TYPE AND LOCATION OF ACCESS DOORS TO PROVIDE PROPER ACCESS TO THE ITEM CONCEALED.

K. CHECK ALL SYSTEMS FOR LEAKS AND EXCESSIVE NOISE. CORRECT ANY DEFICIENCIES AS SOON AS DISCOVERED. OPERATE THE SYSTEMS AS A TEST AND DEMONSTRATE TO THE OWNER THAT THE SYSTEM IS FUNCTIONING PROPERLY.

L. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.

M. MECHANICAL EQUIPMENT AND PIPING SHALL NOT BE WITHIN ELECTRICAL OR LOW VOLTAGE EQUIPMENT DEDICATED SPACE. NO PIPING WILL BE ALLOWED ABOVE EQUIPMENT'S DEDICATED SPACE.

N. ALL EXPOSED DUCTWORK OUTDOORS SHALL BE PREPARED WITH A PRIME COAT AND THEN PAINTED, COLOR BY ARCHITECT.

O. NEW BUILDINGS 10,000 SQUARE FEET AND ABOVE TO BE COMMISSIONED PER REQUIREMENTS LISTED IN CALGREEN SECTION 5.410.2.

P. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS LISTED IN CALGREEN SECTION 5.504.4.1.

Q. MINIMUM MERV–8 FILTERS TO BE USED FOR ANY PERMANENT HVAC SYSTEM IN OPERATION DURING CONSTRUCTION. REPLACE ALL FILTERS WITH MINIMUM MERV–13 PRIOR TO OCCUPANCY OR AT THE CONCLUSION OF CONSTRUCTION PER CALGREEN SECTION 5.504.1.

R. DURING CONSTRUCTION, ALL HVAC EQUIPMENT, DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM PER CALGREEN SECTION 5.504.3.

S. ALL MECHANICAL VENTILATION SYSTEMS SHALL HAVE FILTRATION MEDIA FOR OUTSIDE AIR AND RETURN AIR WHICH PROVIDES MINIMUM MERV–13 FILTRATION. FILTRATION MEDIA SHALL BE REPLACED PRIOR TO OCCUPANCY AND SHALL BE CLEARLY LABELED WITH MERV RATING PER CALGREEN SECTION 5.5.04.5.3.

T. ALL REFRIGERANTS USED OR PROVIDED ON THIS PROJECT SHALL MEET THE OZONE DEPLETION AND GREENHOUSE GAS REDUCTION REQUIREMENTS PER CALGREEN SECTION 5.508.1.

MECHANICAL SHEET INDEX

SHEET NUMBER	SHEET NAME
M-001	MECHANICAL LEGEND & NOTES
M-002	MECHANICAL SCHEDULES
M-100	MECHANICAL SITE PLAN
M-110	MECHANICAL FLOOR PLANS
M-111	MECHANICAL FLOOR PLANS
M-550	MECHANICAL RESTROOM FLOOR PLANS
M-551	MECHANICAL ENLARGED FLOOR PLANS
M-552	MECHANICAL ENLARGED ROOF PLANS
M-800	MECHANICAL DETAILS

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JOB NO.: Y2421.00

SHEET TITLE

MECHANICAL LEGENDS & NOTES

SHEET NO.

M-001

EXHAUST FAN SCHEDULE

TYPE	MARK	TYPE	MOUNTING	ELECTRICAL						EXHAUST FAN							
				VOLTS	PHASE	RLA	MCA	MOP	MOTOR BHP	DRIVE	CFM	E.S.P. (IN WC)	SONES	CONTROL	OPER. WEIGHT (LBS.)	MANUFACTURER	MODEL NUMBER
REF	B1	CENTRIFUGAL	ROOF	115	1	2.85	4	15	1/4	DIRECT	500	0.25	3.2	LIGHTS	70	GREENHECK	G-100-VG
REF	B2	CENTRIFUGAL	ROOF	115	1	2.85	4	15	1/4	DIRECT	500	0.25	3.2	LIGHTS	70	GREENHECK	G-100-VG
REF	C1	CENTRIFUGAL	ROOF	115	1	2.85	4	15	1/4	DIRECT	500	0.25	3.2	LIGHTS	70	GREENHECK	G-100-VG
REF	C2	CENTRIFUGAL	ROOF	115	1	2.85	4	15	1/4	DIRECT	500	0.25	3.2	LIGHTS	70	GREENHECK	G-100-VG
REF	C3	CENTRIFUGAL	ROOF	115	1	1.3	2	15	1/15	DIRECT	200	0.25	3.2	LIGHTS	50	GREENHECK	G-070-VG

NOTES:
1. PROVIDE FACTORY PRE-WIRED DISCONNECT SWITCH WITH NEMA RATED ENCLOSURE FOR LOCATION.
2. PROVIDE MOTOR THERMAL OVERLOAD PROTECTION
3. PROVIDE BACK DRAFT DAMPER.
4. PROVIDE WITH PRE-WIRED FAN SPEED CONTROLLER.
5. PROVIDE FACTORY ROOF CURB AND DAMPER TRAY FOR ROOF MOUNTED UNITS.
6. FANS TO BE AMCA LICENSED FOR SOUND AND AIR PERFORMANCE.

AIR DISTRIBUTION SCHEDULE

SYMBOL	TYPE	DESCRIPTION
(E)	SURFACE CEILING EXHAUST	ALUMINUM EGGCRATE RETURN GRILLE WITH 1/2"x1/2"x1/2" GRID. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS 50F.

NOTES:
1. REFER TO MECHANICAL PLANS FOR NECK SIZE, CFM, AIR DIFFUSION PATTER, AND FIRE DAMPER WHERE APPLICABLE.

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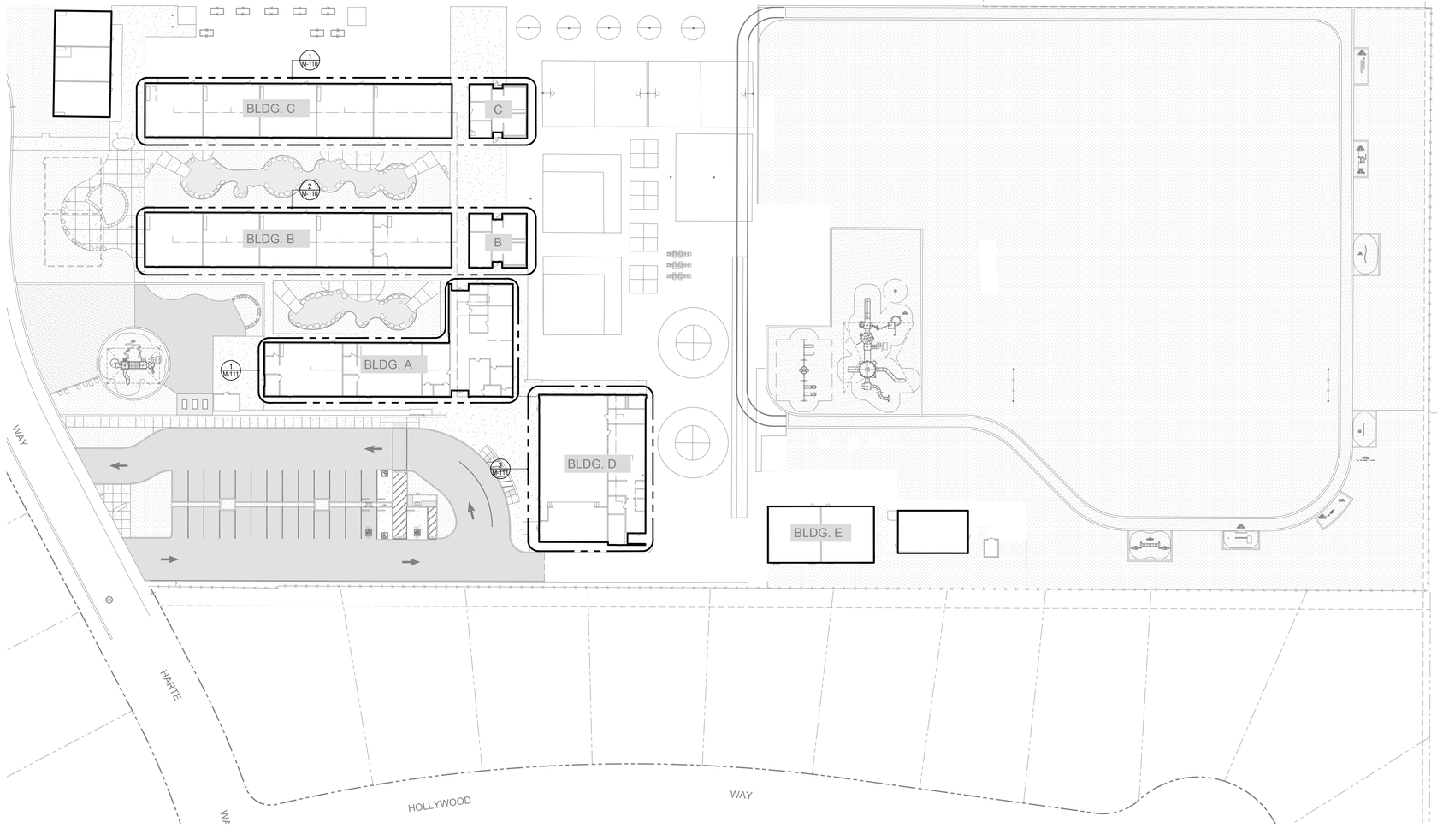
SHEET TITLE

MECHANICAL SCHEDULES

SHEET NO.

M-002



1 MECHANICAL SITE PLAN

SCALE: 1" = 30'-0"

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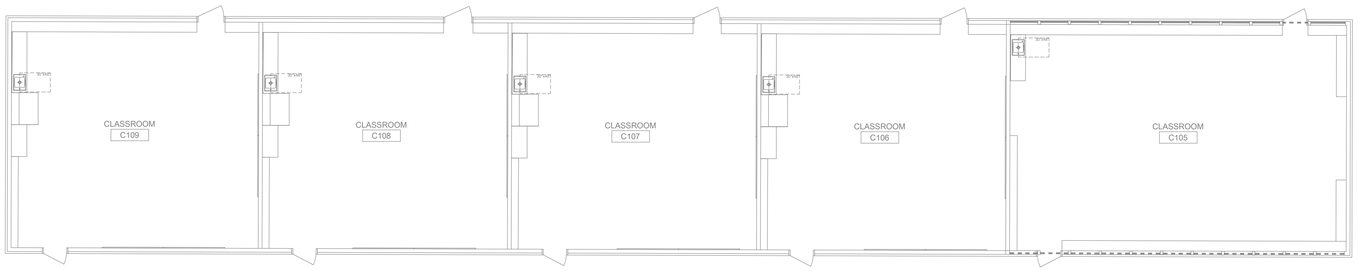
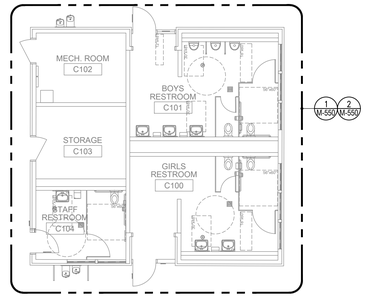
SHEET TITLE

MECHANICAL SITE PLAN

SHEET NO.

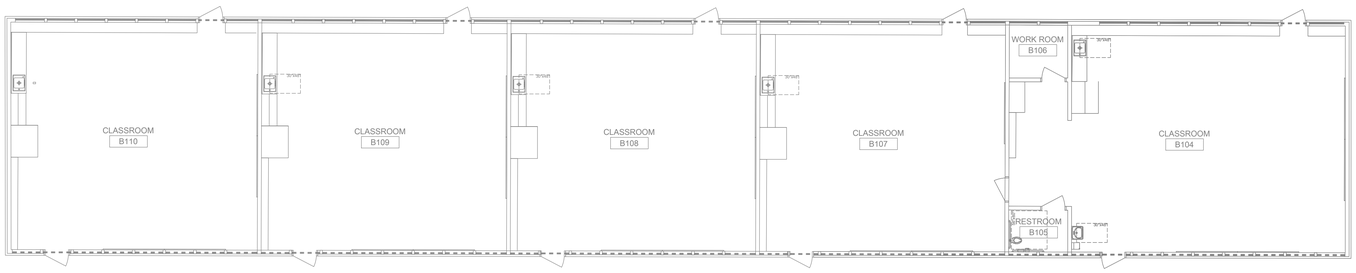
M-100

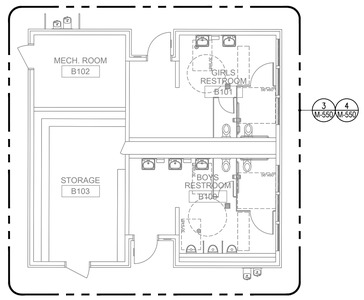




1 BUILDING C FLOOR PLAN

SCALE: 1/8" = 1'-0"





2 BUILDING B FLOOR PLAN

SCALE: 1/8" = 1'-0"

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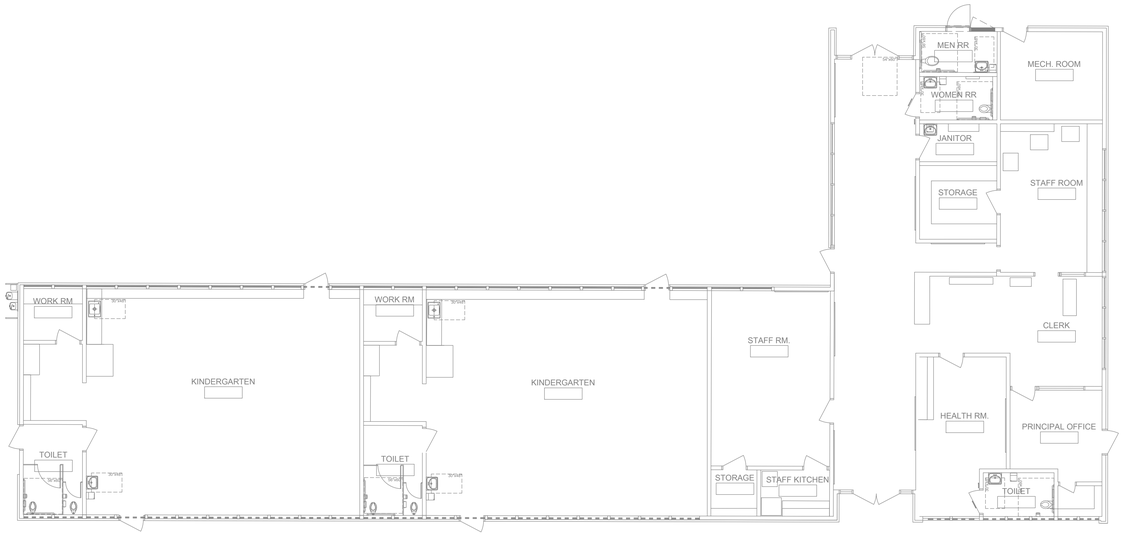
SHEET TITLE

MECHANICAL
FLOOR PLANS

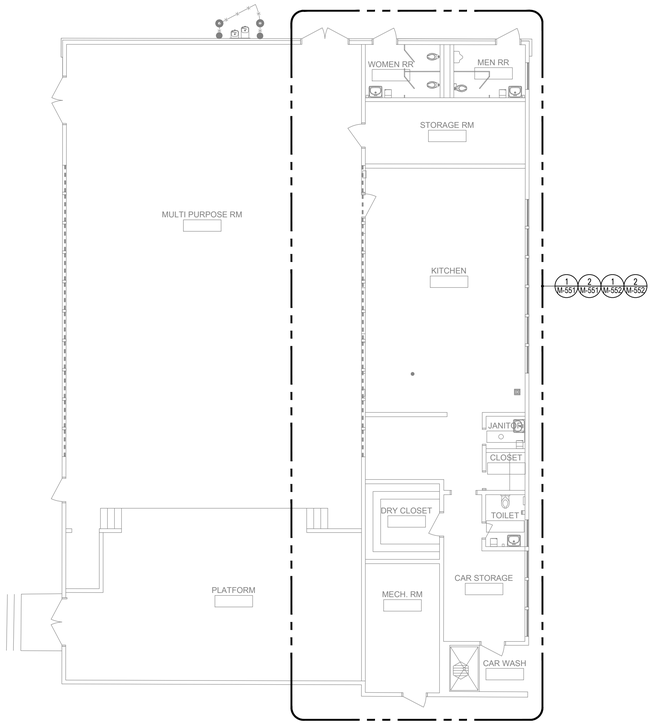
SHEET NO.

M-110



1 BUILDING A FLOOR PLAN

SCALE: 1/8" = 1'-0"



2 BUILDING D FLOOR PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. BUILDING A SHOWN FOR REFERENCE ONLY. NO MECHANICAL WORK TO BE DONE ON BUILDING A.

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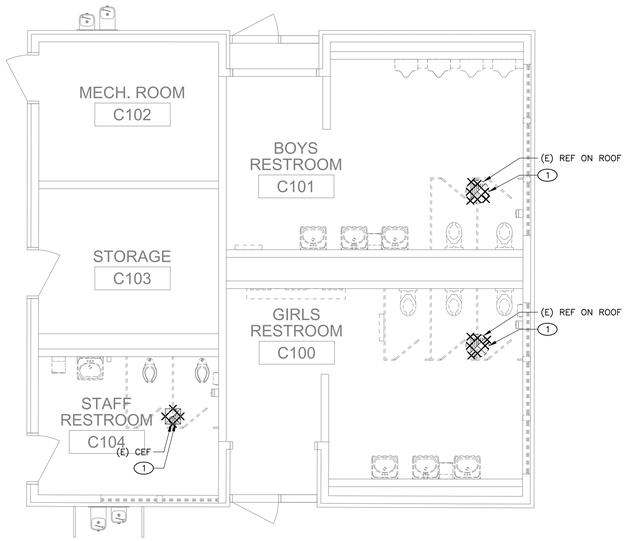
SHEET TITLE

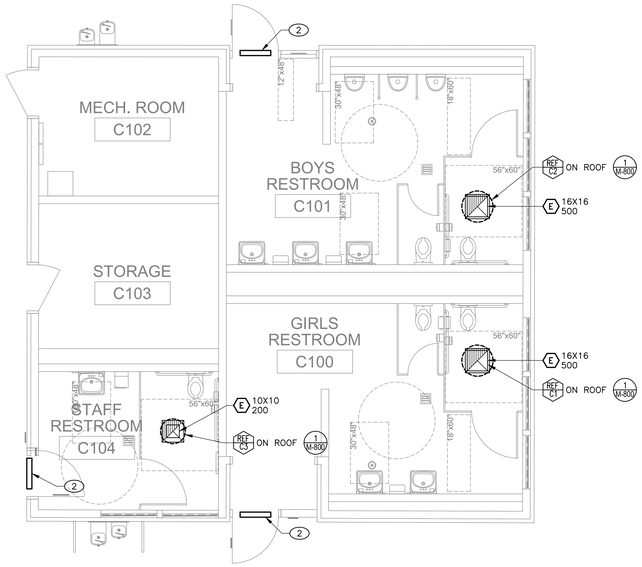
MECHANICAL FLOOR PLANS

SHEET NO.

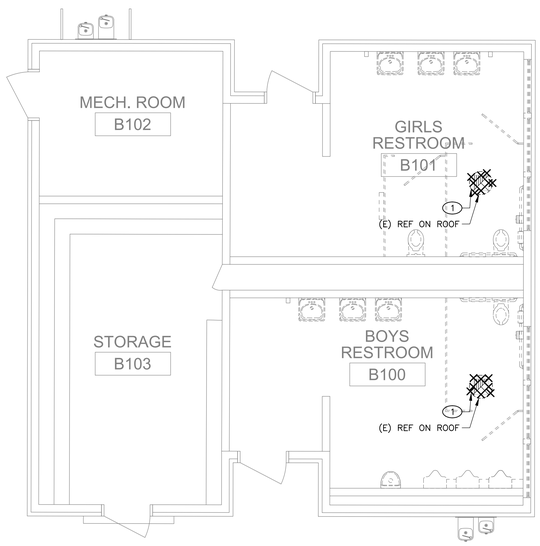
M-111



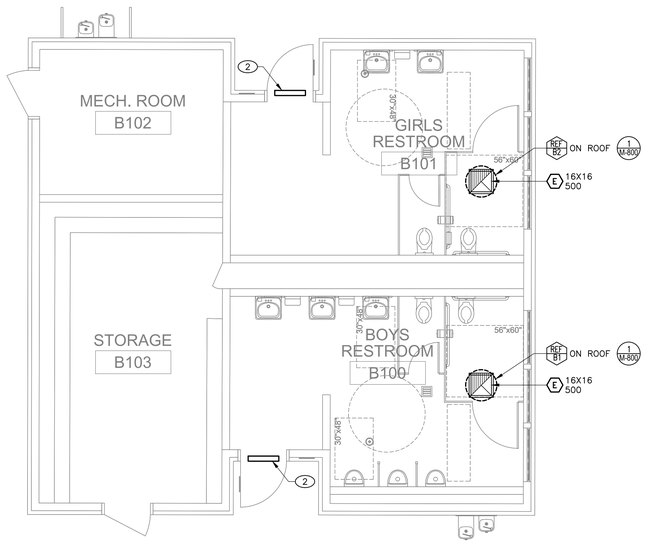
1 BLDG. C RESTROOMS - ENLARGED DEMO PLAN
SCALE: 1/4" = 1'-0"



2 BLDG. C RESTROOMS - ENLARGED NEW PLAN
SCALE: 1/4" = 1'-0"



3 BLDG. B RESTROOMS - ENLARGED DEMO PLAN
SCALE: 1/4" = 1'-0"



4 BLDG. B RESTROOMS - ENLARGED NEW PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEY NOTES

1. REMOVE EXISTING EXHAUST FAN AND RELATED DUCTWORK.
2. MIN. 24X24 DOOR LOUVER FOR EXHAUST AIR INTAKE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

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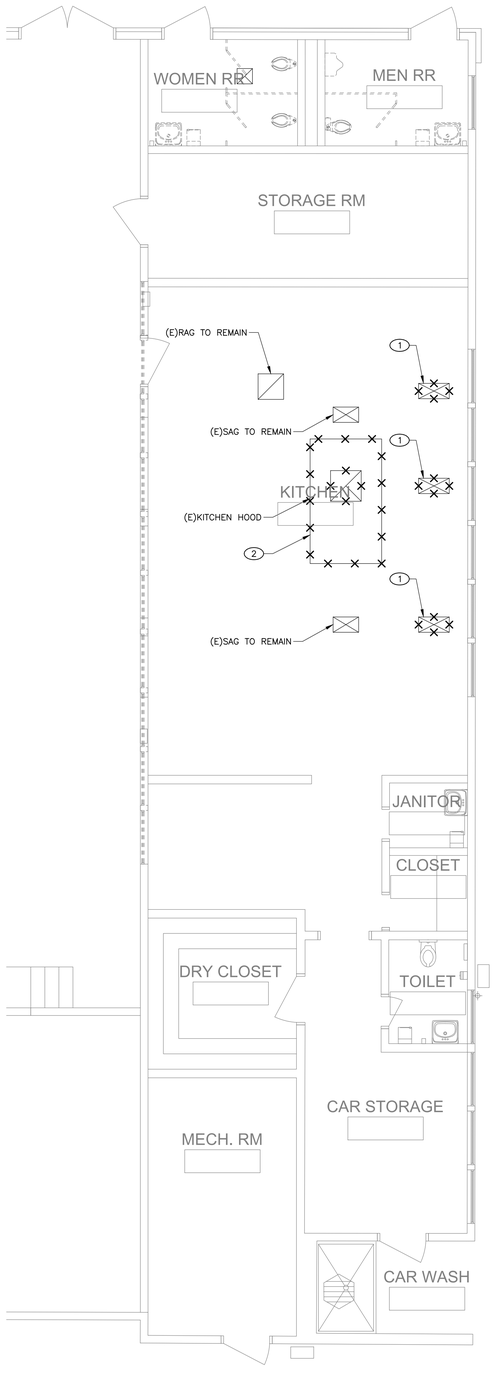
SHEET TITLE

MECHANICAL
RESTROOM FLOOR PLANS

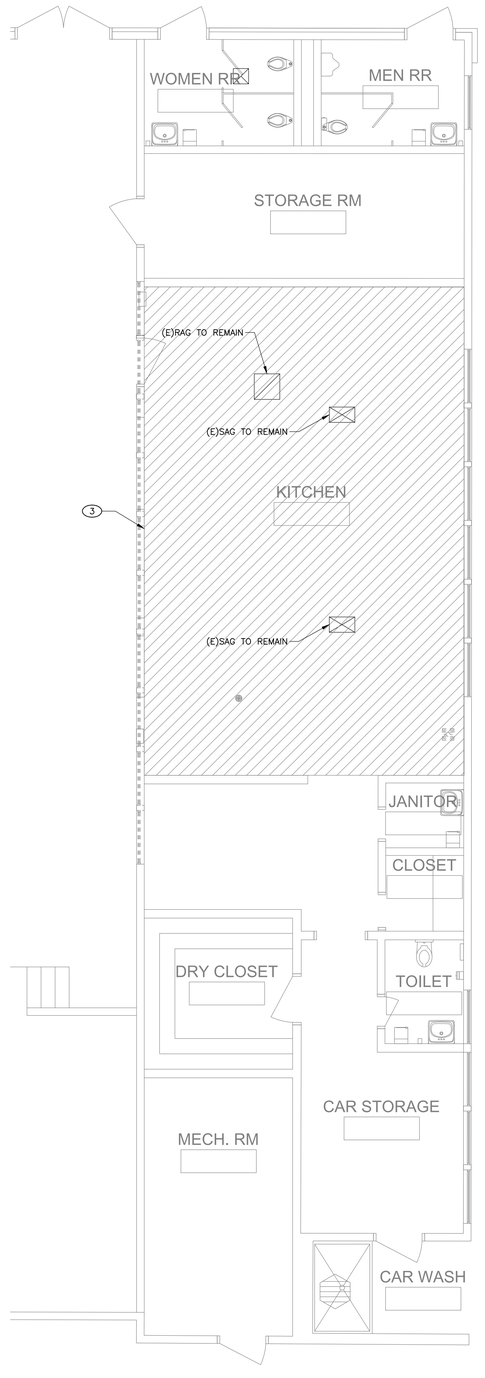
SHEET NO.

M-550



1 BLDG. D KITCHEN - ENLARGED DEMO PLAN

SCALE: 1/4" = 1'-0"



2 BLDG. D KITCHEN - ENLARGED NEW PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEY NOTES

1. REMOVE EXISTING DUCTWORK SHOWN HATCHED.
2. REMOVE EXISTING KITCHEN EXHAUST HOOD AND RELATED DUCTWORK SHOWN HATCHED.
3. PATCH OPENINGS IN CEILING AFTER REMOVAL OF EXISTING KITCHEN HOOD AND GRILLES. SEE ARCHITECTURAL PLANS FOR DETAILS.

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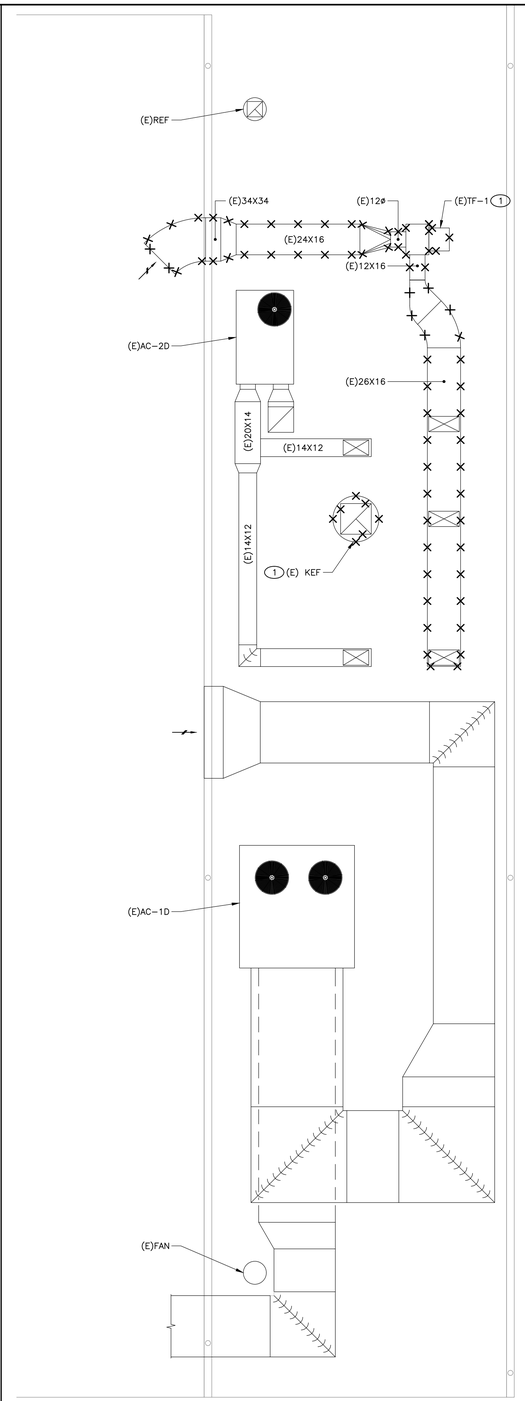
MECHANICAL
ENLARGED FLOOR PLANS

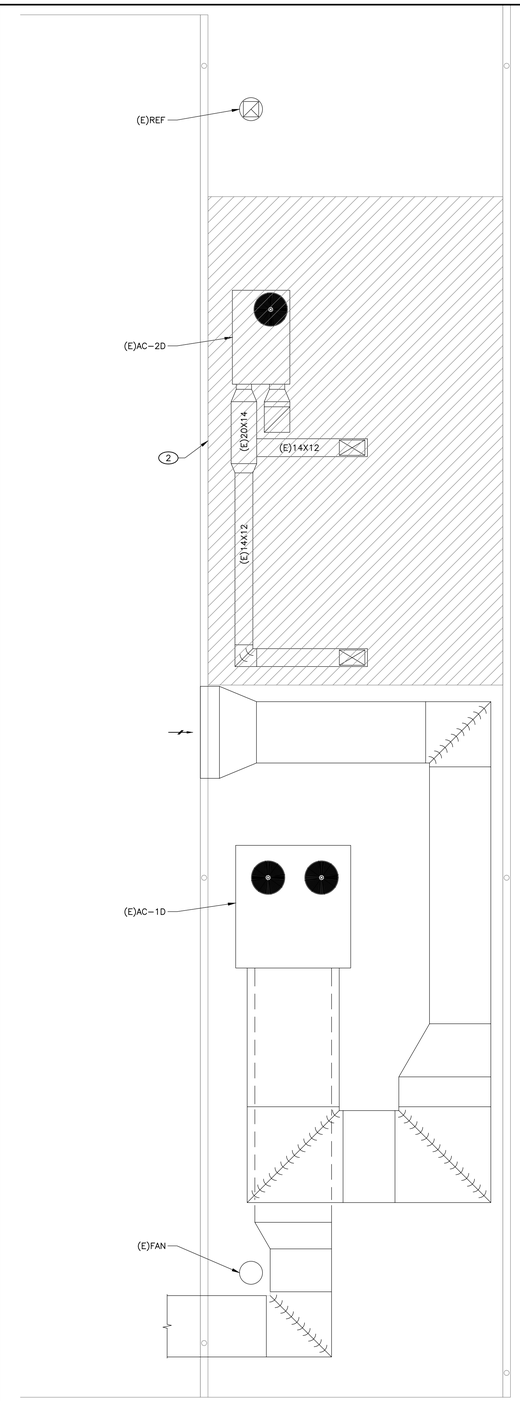
SHEET NO.

M-551



1 BLDG. D KITCHEN - ENLARGED DEMO ROOF PLAN

SCALE: 1/4" = 1'-0"



2 BLDG. D KITCHEN - ENLARGED NEW ROOF PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEY NOTES

1. REMOVE EXISTING MECHANICAL EQUIPMENT AND RELATED DUCTWORK SHOWN HATCHED.
2. PATCH OPENINGS IN EXTERIOR WALLS AND ROOF AFTER REMOVAL OF EQUIPMENT AND DUCTWORK. SEE ARCHITECTURAL PLANS FOR DETAILS.

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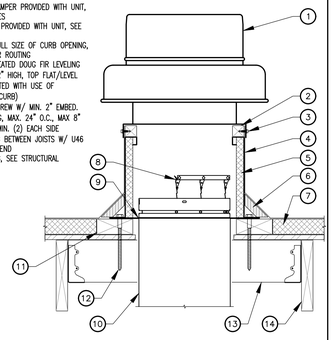
SHEET TITLE

MECHANICAL
ENLARGED ROOF PLANS

SHEET NO.

M-552

1. ROOF EXHAUST FAN, SEE SCHEDULES
2. WOOD NAILER PROVIDED WITH UNIT CURB
3. #12 TEK SCREWS WITH MIN. 3/4" EMBED. INTO WOOD NAILER, MIN. (2) PER SIDE, SILICONE SEAL PENETRATIONS WATERTIGHT
4. ROOFING UP AND UNDER FAN FLASHING
5. UNIT CURB, SEE SCHEDULES
6. CANT STRIP
7. ROOF INSULATION FORMED TO MEET CURB WHERE APPLICABLE, SEE ARCHITECTURAL DRAWINGS
8. BACKDRAFT DAMPER PROVIDED WITH UNIT, SEE SCHEDULES
9. DAMPER TRAY PROVIDED WITH UNIT, SEE SCHEDULES
10. DUCTWORK, FULL SIZE OF CURB OPENING, SEE PLAN FOR ROUTING
11. PRESSURE TREATED DOUG FIR LEVELING BLOCK, MIN. 2" HIGH, TOP FLAT/LEVEL (MAY BE OMITTED WITH USE OF PRE-SLOPED CURB)
12. 3/8"ø LAG SCREW W/ MIN. 2" EMBED. INTO BLOCKING, MAX. 24" O.C., MAX 8" FROM ENDS, MIN. (2) EACH SIDE
13. 4X6 BLOCKING BETWEEN JOISTS W/ U46 HANGERS EA. END
14. ROOF FRAMING, SEE STRUCTURAL



ROOFTOP EXHAUST FAN (WOOD) | NTS | 1

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SHEET TITLE

MECHANICAL DETAILS

SHEET NO.

M-800

ONE INCH = TWENTY FEET | ONE-SIXTEENTH INCH = ONE FOOT | ONE-EIGHTH INCH = ONE FOOT | ONE-QUARTER INCH = ONE FOOT | THREE-QUARTERS INCH = ONE FOOT | ONE INCH = ONE FOOT | ONE AND ONE-HALF INCH = ONE FOOT | ONE-HALF INCH = ONE FOOT

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 AND ASCE 7–16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7–16 SECTION 13.3.3 AS DEFINED IN ASCE 7–16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24 THROUGH 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE–APPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☐	☐	☒	☐	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
☐	☐	☐	☐	OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCAI PRE–APPROVAL (OPM#) #0043–13.

PLUMBING LEGEND

SYMBOL	ITEM	ABBR.
	FIXTURE DESIGNATION UNIT ABBREVIATION NUMBER	
	DETAIL DESIGNATION DETAIL NUMBER SHEET NO. WHERE SHOWN	
CW	DOMESTIC COLD WATER	CW
HW	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER SUPPLY	HWS
	DOMESTIC HOT WATER RETURN	HWR
V	VENT	V
G	GAS	G
MG	MEDIUM PRESSURE GAS	MG
LPG	LIQUID PROPANE GAS	LPG
S	SEWER	S
GW	GREASE WASTE	GW
OS	OIL/SAND WASTE	OS
AW	ACID WASTE	AW
SD	STORM DRAIN	SD
RD	ROOF DRAIN	RD
OD	OVERFLOW DRAIN	OD
C	CONDENSATE DRAIN	C
SCD	SECONDARY DRAIN	SCD
D	DRAIN	D
T&P	TEMPERATURE & PRESSURE RELIEF	T&P
FS	FIRE SPRINKLER	FS
	PIPE CAP	
	PIPE RISER/DROP	(R)/(D)
	SHUT–OFF VALVE IN BOX	SOV
FCO	FLOOR CLEANOUT	FCO
COTG	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
	CLEANOUT	CO
	HOSE BIBB	HB
	OVERFLOW DRAIN OUTLET	
	BALL VALVE	BV
	GATE VALVE	GV
	CHECK VALVE	CHK.V
	MIXING VALVE	TMV
	SHUT–OFF COCK	SOC
	CIRCULATION PUMP	CP
	BALANCING VALVE	BLV
	TRAP PRIMER	TP
	TYPICAL	(TYP)
	VENT THRU ROOF	VTR
	UNDERGROUND	UG
	UNDER FLOOR	UF
	ABOVE CEILING	AB.C.
	TO ABOVE/BELOW	TA/TB
	FROM ABOVE/BELOW	FA/FB
	CONTINUATION	CONT.
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	POD/POC

PLUMBING NOTES

A. THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
   - A.1. 2022 CALIFORNIA BUILDING CODE
   - A.2. 2022 CALIFORNIA MECHANICAL CODE
   - A.3. 2022 CALIFORNIA PLUMBING CODE
   - A.4. 2022 CALIFORNIA ELECTRICAL CODE
   - A.5. 2022 CALIFORNIA GREEN BUILDING STANDARDS
   - A.6. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS – TITLE 24
   - A.7. NATIONAL FIRE PROTECTION ASSOCIATION
   - A.8. CALIFORNIA STATE FIRE MARSHAL

B. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPING, AND OTHER PLUMBING WORK. USE JUDGEMENT AND CARE TO INSTALL PLUMBING WORK TO FIT THE JOB CONDITIONS WITHIN THE BUILDING CONSTRUCTION AND FINISHES, AND TO FUNCTION PROPERLY.

C. CONTRACTOR SHALL EXAMINE THE SITE, VERIFY DIMENSIONS AND LOCATIONS WITH DRAWINGS, CHECK UTILITY CONNECTION LOCATIONS, AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF ANY SITE CONDITION WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

D. THIS CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT THE PROGRESS OF THE PLUMBING WORK WILL CONFORM TO THE PROGRESS OF THE OTHER TRADES, AND SHALL COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE CONDITIONS OF THE BUILDING WILL PERMIT. ANY COST RESULTING FROM DEFECTIVE OR ILL TIMED WORK PERFORMED UNDER THIS SECTION SHALL BE BORNE BY THIS CONTRACTOR.

E. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF DETAILS OF PLUMBING WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR THE SUCCESSFUL OPERATION OF PLUMBING SYSTEMS DESCRIBED ON THE DRAWINGS OR REQUIRED BY THESE SPECIFICATIONS. FURNISH AND INSTALL ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED WHICH IS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

F. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.

G. THE PLUMBING CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF PLUMBING EQUIPMENT.

H. SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING NAME OF MANUFACTURER, TRADE NAME, MODEL, CAPACITY, OPTIONS, DIMENSIONS, WEIGHTS, INSTALLATION AND STARTUP DATA. EQUIPMENT PERFORMANCES SCHEDULED ARE MINIMUM CAPACITY, FLOW, EFFICIENCY, ETC. REQUIRED. WEIGHTS AND ELECTRICAL DATA SCHEDULED IS MAXIMUM AVAILABLE OR ALLOWABLE.

I. ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.

J. PROVIDE ACCESS DOORS WHERE ACCESS THROUGH FLOORS, WALLS OR CEILINGS IS REQUIRED TO ACCESS PLUMBING COMPONENTS OR OTHER SYSTEMS REQUIRING ACCESS FOR MAINTENANCE, TESTING OR OBSERVATION. COORDINATE THE EXACT TYPE AND LOCATION OF ACCESS DOORS TO PROVIDE PROPER ACCESS TO THE ITEM CONCEALED.

K. CHECK ALL SYSTEMS FOR LEAKS AND EXCESSIVE NOISE. CORRECT ANY DEFICIENCIES AS SOON AS DISCOVERED. OPERATE THE SYSTEMS AS A TEST AND DEMONSTRATE TO THE OWNER THAT THE SYSTEM IS FUNCTIONING PROPERLY.

L. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.

M. PLUMBING EQUIPMENT AND PIPING SHALL NOT BE WITHIN ELECTRICAL OR LOW VOLTAGE EQUIPMENT DEDICATED SPACE. NO PIPING WILL BE ALLOWED ABOVE EQUIPMENT'S DEDICATED SPACE.

N. ALL EXPOSED MATERIAL SHALL BE PREPARED WITH A PRIME COAT AND THEN PAINTED, COLOR BY ARCHITECT.

O. NEW BUILDINGS 10,000 SQUARE FEET AND ABOVE TO BE COMMISSIONED PER REQUIREMENTS LISTED IN CALGREEN SECTION 5.410.2.

P. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS LISTED IN CALGREEN SECTION 5.504.4.1.

Q. FOR NEW BUILDINGS IN EXCESS OF 50,000 SQUARE FEET, OR WATER CONSUMPTION IN EXCESS OF 1,000 GAL/DAY, PROVIDE WATER SUB–METERS AS REQUIRED PER CALGREEN SECTION 5.303.1.1.

R. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH WATER CONSERVING REQUIREMENTS LISTED IN CALGREEN SECTION 5.303.3.

S. COORDINATE ALL NEW OR CHANGING UTILITY SERVICES WITH UTILITY PROVIDER AS SOON AS POSSIBLE. ANY COST RESULTING FROM WORK PERFORMED PRIOR TO COORDINATING WITH UTILITY COMPANY WHICH DOES NOT COMPLY WITH UTILITY COMPANY REQUIREMENTS SHALL BE BORNE BY THIS CONTRACTOR.

T. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, FIXTURE MOUNTING HEIGHTS AND CBC ACCESSIBILITY REQUIREMENTS.

PLUMBING SHEET INDEX

SHEET NUMBER	SHEET NAME
P-001	PLUMBING LEGEND & NOTES
P-002	PLUMBING SCHEDULES
P-100	PLUMBING SITE PLAN
P-110	PLUMBING FLOOR PLANS
P-111	PLUMBING FLOOR PLANS
P-550	PLUMBING RESTROOM FLOOR PLANS
P-551	PLUMBING ENLARGED FLOOR PLANS
P-552	PLUMBING ENLARGED ROOF PLANS
P-800	PLUMBING DETAILS

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE

PLUMBING
LEGENDS & NOTES

SHEET NO.

P-001

WATER HAMMER ARRESTOR SIZING

FIXTURE TYPE	FIXTURE UNITS (PER FIXTURE)
WATER CLOSET	8
URINAL	4
LAVATORY	2

PDI SIZE	FIXTURE UNITS (PER ARRESTOR)
A	1–11
B	12–32
C	33–60
D	61–113
E	114–154
F	155–330

NOTES:
1. PROVIDE WATER HAMMER ARRESTORS AS REQUIRED IN SPECIFICATIONS.
2. WATER HAMMER ARRESTOR SIZING SHALL BE THE MORE STRINGENT OF THE TABLE ABOVE AND CURRENT PDI (PLUMBING & DRAINAGE INSTITUTE) REQUIREMENTS.
3. LOCATE WATER HAMMER ARRESTORS AS CLOSE TO BRANCH PIPING AS POSSIBLE.

HANGER ROD SIZING

PIPE AND TUBE SIZE (IN)	ROD SIZE (IN)
1/2 – 4	3/8
5 – 8	1/2
10 – 12	5/8

PER 2022 CPC TABLE 313.6

PIPE HANGER SCHEDULE

MATERIALS	TYPES OF JOINTS	HORIZONTAL	VERTICAL
CAST–IRON HUBLESS	CAST–IRON HUBLESS	EVERY OTHER JOINT, UNLESS OVER 4 FEET THEN SUPPORT EACH JOINT; NOTES 1,2,3,4	BASE AND EACH FLOOR, NOT TO EXCEED 15 FEET
COPPER TUBE AND PIPE	SOLDERED OR BRAZED	1–1/2 INCHES AND SMALLER, 6 FEET; 2 INCHES AND LARGER, 10 FEET	EACH FLOOR, NOT TO EXCEED 10 FEET; NOTE 5
STEEL PIPE FOR GAS	THREADED OR WELDED	1/2 INCH, 6 FEET; 3/4 INCH AND 1 INCH, 8 FEET; 1–1/4 INCHES AND LARGER, 10 FEET; NOTE 7	1/2 INCH, 6 FEET; 3/4 INCH AND 1 INCH, 8 FEET; 1–1/4 INCHES AND LARGER, EVERY FLOOR; NOTE 7
SCHEDULE 40 PVC AND ABS DWV	SOLVENT CEMENTED	ALL SIZES, 4 FEET; ALLOW FOR EXPANSION EVERY 30 FEET; NOTES 3,6	BASE AND EACH FLOOR; PROVIDE MID–STORY GUIDES; PROVIDE FOR EXPANSION EVERY 30 FEET; NOTE 6

NOTES:
1. HANGER SPACING PER CPC TABLE 313.3.
2. SEISMIC BRACING SPACING NOT TO EXCEED 40FT O.C. AND 2FT FROM CHANGES IN DIRECTION.
3. SEISMIC BRACING IS NOT REQUIRED FOR THE FOLLOWING CONDITIONS PER CBC 1617A.1.26 AND ASCE 7, SECTION 13.6.7.3 (EXCEPTION 2):
   - 3.1. PIPING CONTAINING HAZARDOUS CONTENTS (EX: NATURAL GAS, PROPANE, MEDICAL GASES) WITH AN Ip>1.0 WHERE:
     - 3.1.1. PIPE SIZE IS 1" OR LESS, AND
     - 3.1.2. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
     - 3.1.3. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
   - 3.2. ALL OTHER PIPING NOT CONTAINING HAZARDOUS CONTENTS WITH AN Ip=1.0 WHERE:
     - 3.2.1. PIPE SIZE IS 3" OR LESS, AND
     - 3.2.2. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
     - 3.2.3. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
4. SUPPORT ADJACENT TO JOINT, NOT TO EXCEED 18".
5. SUPPORT AT EACH HORIZONTAL BRANCH CONNECTION.
6. HANGERS SHALL NOT BE PLACED ON THE COUPLING.
7. SEE THE APPROPRIATE IAPMO INSTALLATION STANDARD FOR EXPANSION AND OTHER SPECIAL REQUIREMENTS.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	S or W	V	CW	HW	DESCRIPTION
FD-1	FLOOR DRAIN	2"	1–1/2"	TP	---	JR SMITH MODEL 2005Y, 5" DIAMETER ROUND NICKEL BRONZE TOP WITH 2" PIPE, FLANGE AND SEEPAGE PAN. PROVIDE TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	2"	1–1/2"	TP	---	JAY R. SMITH MODEL 3150, COATED CAST IRON, ACID RESISTANT COATED INTERIOR, 12–1/2" SQUARE TOP, 10" DEEP, SEDIMENT BASKET, NICKLE–BRONZE RIM, 3/4 GRATE, DOUBLE DRAINAGE FLANGE, TRAP PRIMER CONNECTION SMITH 2697.
HB-1	HOSE BIBB	---	---	3/4"	---	WOODFORD MODEL B24, BENT NOSE WITH VACUUM BREAKER, FLUSH MOUNTED WALL BOX, ROUGH CHROME FINISH, VANDAL RESISTANT, REMOVABLE LOOSE KEY HANDLE.
L-1	LAVATORY STAFF CBC ACCESS	2"	1–1/2"	3/4"	---	AMERICAN STANDARD MODEL 0355.012, "LUCERNE" ADA COMPLIANT WALL HUNG 21–1/4"X18–1/4" VITREOUS CHINA LAVATORY, 2 FAUCET HOLES ON 4" CENTERS FOR CHICAGO MODEL 2200–4E2805ABCP LEVER HANDLE MIXING FAUCET WITH 0.5 GPM NON–AERATING SPRAY. PROVIDE SUPPLIES, STOPS AND 17 GAGE CHROME PLATED BRASS P–TRAP. WRAP SUPPLIES, STOPS AND P–TRAP PER CBC ACCESS REQUIREMENTS. PROVIDE ZURN NO. Z–1231 ADJUSTABLE CONCEALED ARM CARRIER WITH SLEEVE FOR WASTE. INSTALL PER CBC ACCESS REQUIREMENTS.
L-2	LAVATORY STAFF CBC ACCESS	2"	1–1/2"	3/4"	3/4"	AMERICAN STANDARD MODEL 0355.012, "LUCERNE" ADA COMPLIANT WALL HUNG 21–1/4"X18–1/4" VITREOUS CHINA LAVATORY, 2 FAUCET HOLES ON 4" CENTERS FOR CHICAGO MODEL 2200–4E2805ABCP LEVER HANDLE MIXING FAUCET WITH 0.5 GPM NON–AERATING SPRAY. PROVIDE SUPPLIES, STOPS AND 17 GAGE CHROME PLATED BRASS P–TRAP. WRAP SUPPLIES, STOPS AND P–TRAP PER CBC ACCESS REQUIREMENTS. PROVIDE ZURN NO. Z–1231 ADJUSTABLE CONCEALED ARM CARRIER WITH SLEEVE FOR WASTE. INSTALL PER CBC ACCESS REQUIREMENTS.
L-3	LAVATORY STUDENT CBC ACCESS	2"	1–1/2"	3/4"	---	AMERICAN STANDARD MODEL 0356.421, "LUCERNE" ADA COMPLIANT WALL HUNG 21–1/4"X18–1/4" VITREOUS CHINA LAVATORY, SINGLE FAUCET HOLE FOR CHICAGO MODEL 33–E2805–665PSHABCP SINGLE TEMPERATURE PUSH BUTTON METERING FAUCET WITH 0.5 GPM AERATOR. METERING FAUCETS SHALL BE ADJUSTED TO FLOW FOR 10 SECONDS MINIMUM. PROVIDE SUPPLIES, STOPS AND 17 GAGE CHROME PLATED BRASS P–TRAP. WRAP SUPPLIES, STOPS AND P–TRAP PER CBC ACCESS REQUIREMENTS. PROVIDE ZURN NO. Z–1231 ADJUSTABLE CONCEALED ARM CARRIER WITH SLEEVE FOR WASTE. INSTALL PER CBC ACCESS REQUIREMENTS.
S-1	CLASSROOM SINK CBC ACCESS	2"	1–1/2"	1/2"	---	ELKAY MODEL DRKAD251765 "LUSTERTONE", CBC ACCESS COMPLIANT SELF RIMMING COUNTER MOUNTED SINK, 18 GAUGE TYPE 304 STAINLESS STEEL SINGLE COMPARTMENT UNIT 25"X17"X6–1/2" OVERALL WITH 16"X13–1/2"X6–3/8" DEEP BOWL, 2 SLOTTED HOLE PUNCH FOR CHICAGO FAUCETS 350–E35VPCABCP GOOSNECK–SPOUT FAUCET, PROVIDE 1.5 GPM AERATOR. PROVIDE JUST MANUFACTURING JSB–10–VR BUBBLER. PROVIDE ELKAY MODEL JB–99 DRAIN. PROVIDE ZURN MODEL Z8802LRLK–XL–PC LEAD–FREE ANGLE STOPS. INSTALL PER ADA REQUIREMENTS. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB–1953 COMPLIANT.
TP-1	TRAP PRIMER	---	---	1/2"	---	PRECISION PLUMBING PRODUCTS, INC. #PR–500 PRIME–RITE TRAP PRIMER. PROVIDE 12 X 12 ACCESS DOOR FOR CONCEALED UNIT. COORDINATE ACCESS DOOR LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS AND FINISHES.
U-1	URINAL CBC ACCESS	2"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 6550.001, "ALLBROOK" ADA COMPLIANT WALL MOUNTED VITREOUS CHINA BOWL, 0.5 GPF WITH SLOAN MODEL No. 186–0.125 MANUAL FLUSHOMETER VALVE (0.125 GPF), PROVIDE STAINLESS STEEL STRAINER MODEL 047068–0070A, PROVIDE MIFAB MODEL No. MC–32 CARRIER. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC-1	WATER CLOSET STAFF CBC ACCESS	4"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 3043.001, "MADERA FLOWISE 15" FLOOR MOUNTED VITREOUS CHINA ELONGATED BOWL WITH SLOAN MODEL No. 111–1.28 MANUAL FLUSHOMETER VALVE (1.28 GPF). PROVIDE OLSONITE 95SSCT OPEN FRONT SEAT WITH SELF–SUSTAINING CHECK HINGE. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC-2	WATER CLOSET STUDENT CBC ACCESS	4"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 3351.101, "AFWALL" WALL MOUNTED VITREOUS CHINA ELONGATED BOWL WITH SLOAN ROYAL NO. 111–1.28–CO MANUAL FLUSHOMETER FLUSH VALVE. PROVIDE OLSONITE 95SSCT OPEN FRONT SEAT WITH SELF–SUSTAINING CHECK HINGE. PROVIDE ZURN WATER CLOSET CARRIER NO. Z1201 & Z1202 SERIES OR EQUAL. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC-3	WATER CLOSET KINDERGARDEN CBC ACCESS	4"	2"	1–1/2"	---	AMERICAN STANDARD MODEL 2282.001, BABY DEVORO FLOOR MOUNTED VITREOUS CHINA ELONGATED BOWL WITH SLOAN ROYAL NO. 111–1.28–CO MANUAL FLUSHOMETER FLUSH VALVE. PROVIDE AMERICAN STANDARD 5001G.055 OPEN FRONT SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGE. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WHA-1	WATER HAMMER ARRESTOR	---	---	PER SCH.	---	SIOUX CHIEF SERIES 650, TYPE 'L' COPPER TUBE PISTON TYPE WATER HAMMER ARRESTOR, SUITABLE FOR CONCEALED INSTALLATION, SIZE PER PDI REQUIREMENTS, ASSE 1010 LISTED. INSTALL PER MANUFACTURER RECOMMENDATIONS.

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

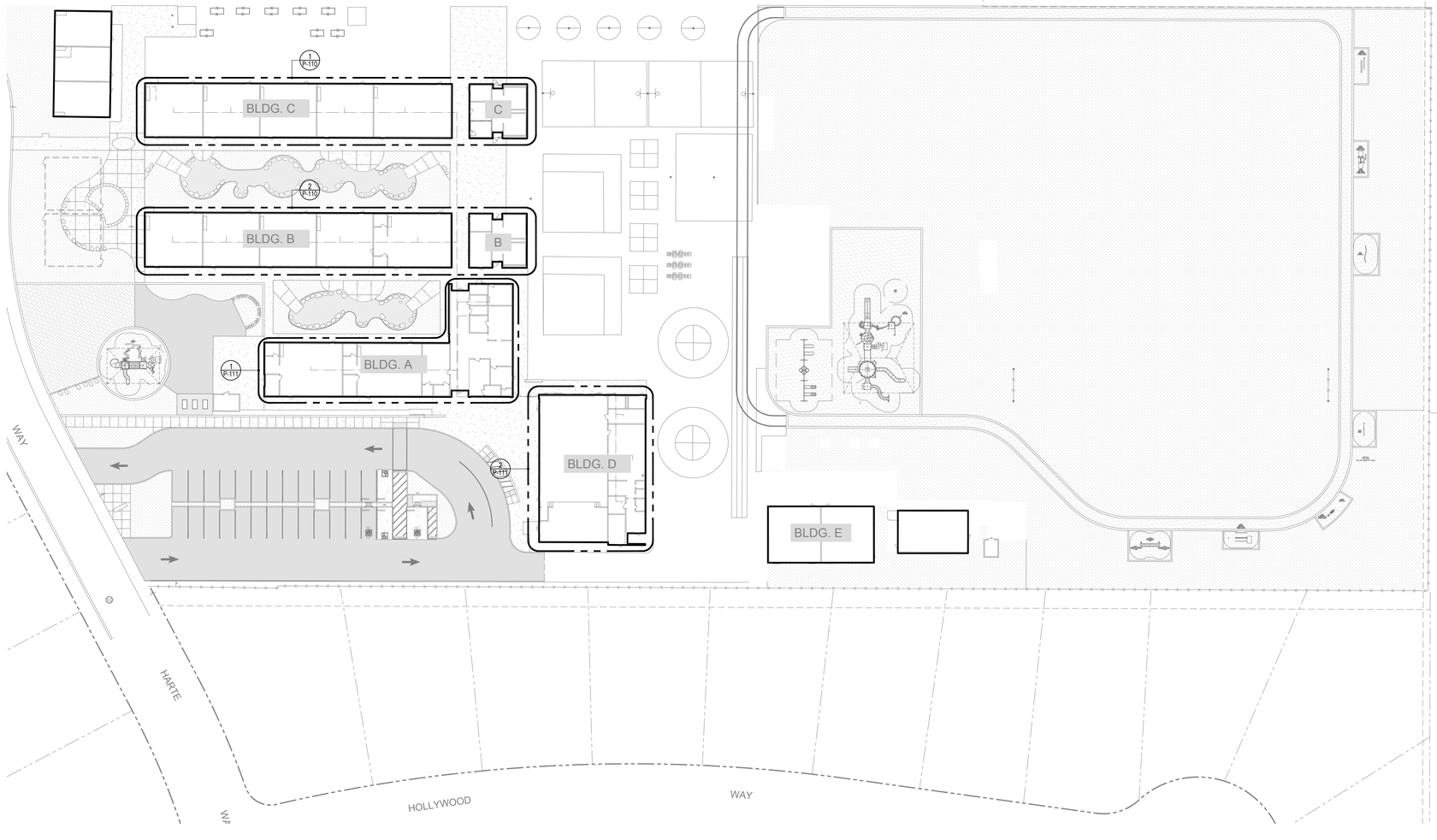
JOB NO.: Y2421.00

SHEET TITLE

PLUMBING SCHEDULES

SHEET NO.

P-002



1 PLUMBING SITE PLAN

SCALE: 1" = 30'-0"

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DATE: 10/01/2024

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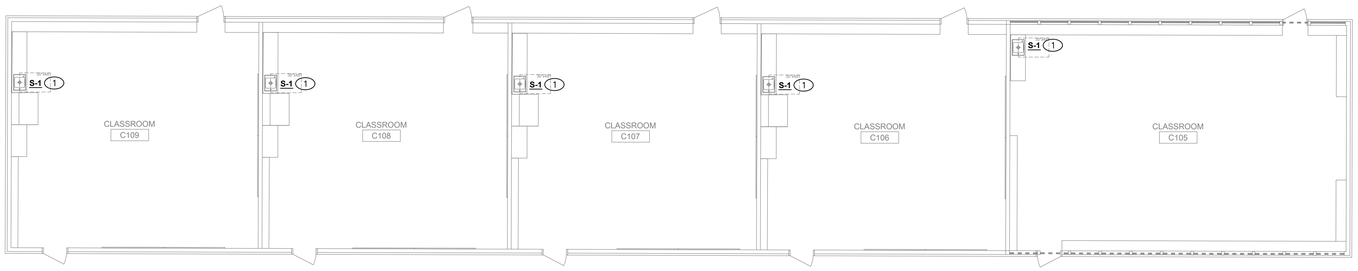
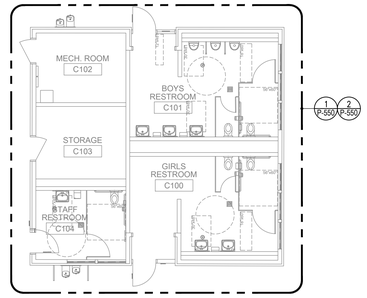
SHEET TITLE

PLUMBING SITE PLAN

SHEET NO.

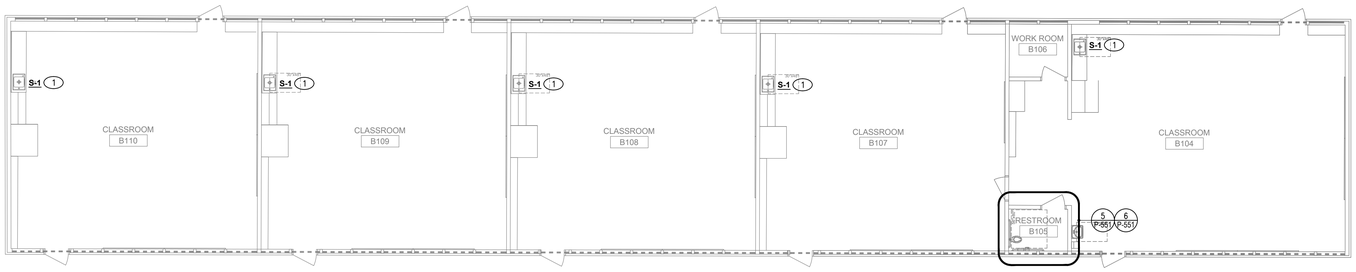
P-100

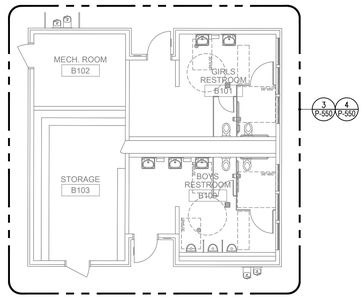




1 BUILDING C FLOOR PLAN

SCALE: 1/8" = 1'-0"





2 BUILDING B FLOOR PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEY NOTES

1. DEMO EXISTING SINK AND REPLACE WITH NEW SINK. ADJUST PIPING AS NEEDED FOR NEW COUNTER HEIGHT PER ARCHITECTURAL. REMOVE EXISTING SEWER CLEANOUT PLUG ABOVE FLOOR AND REPLACE WITH FLOOR CLEANOUT, JR SMITH SERIES 4020, OR EQUAL. MAINTAIN MIN. 18" CLEAR IN FRONT OF CLEANOUT PER CPC.

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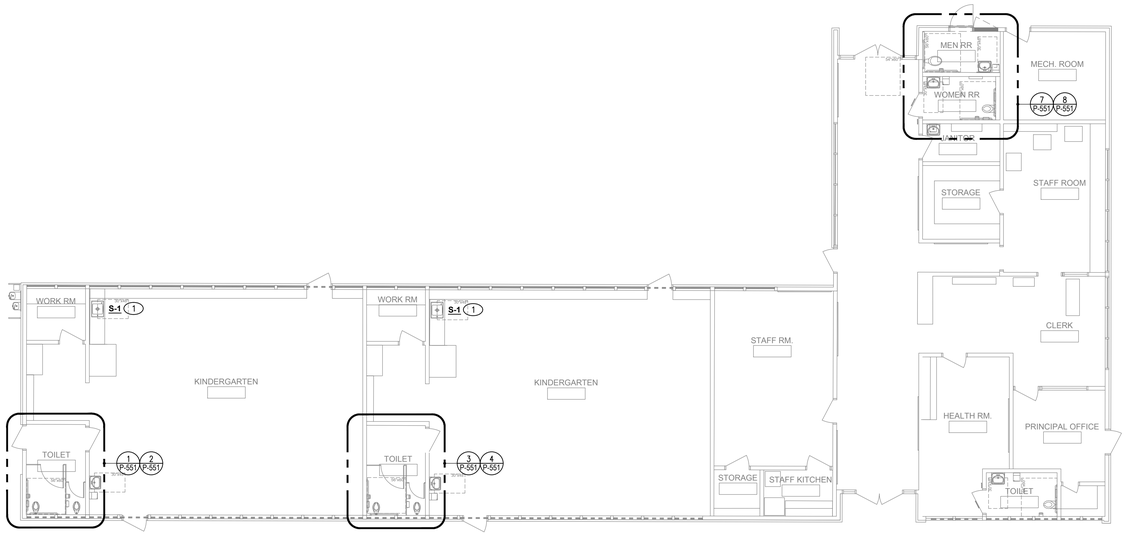
SHEET TITLE

PLUMBING
FLOOR PLANS

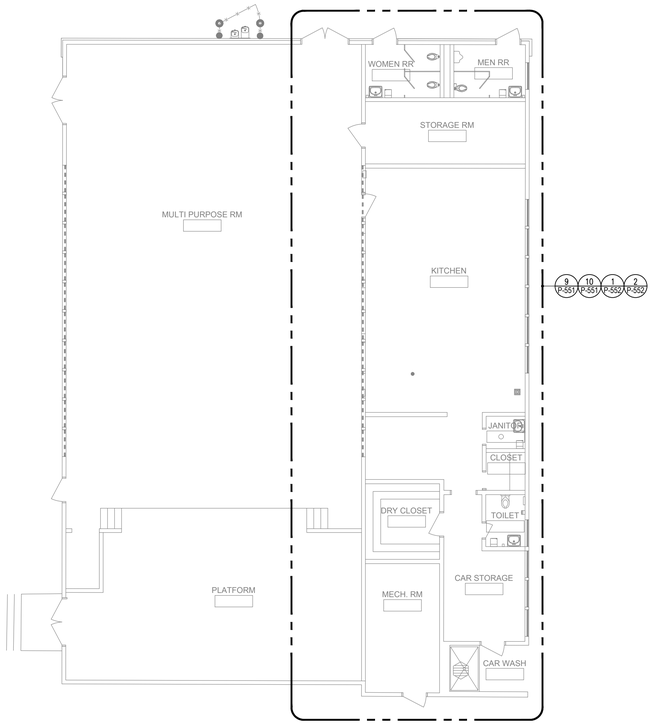
SHEET NO.

P-110



1 BUILDING A FLOOR PLAN

SCALE: 1/8" = 1'-0"



2 BUILDING D FLOOR PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEY NOTES

1. DEMO EXISTING SINK AND REPLACE WITH NEW SINK. ADJUST PIPING AS NEEDED FOR NEW COUNTER HEIGHT PER ARCHITECTURAL. REMOVE EXISTING SEWER CLEANOUT PLUG ABOVE FLOOR AND REPLACE WITH FLOOR CLEANOUT, JR SMITH SERIES 4020, OR EQUAL. MAINTAIN MIN. 18" CLEAR IN FRONT OF CLEANOUT PER CPC.

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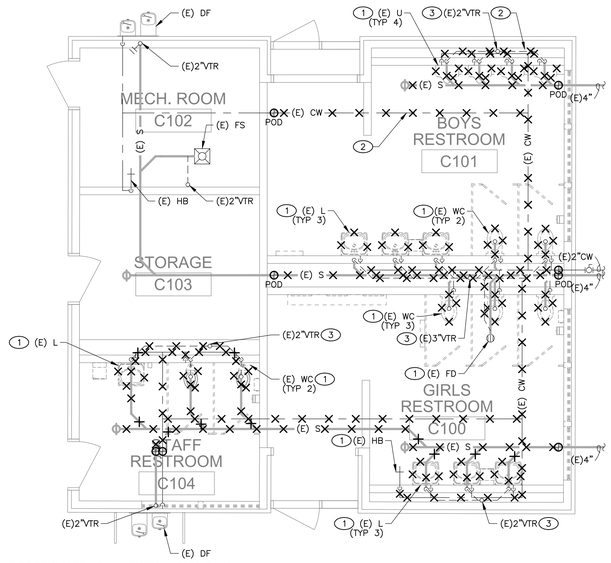
SHEET TITLE

PLUMBING FLOOR PLANS

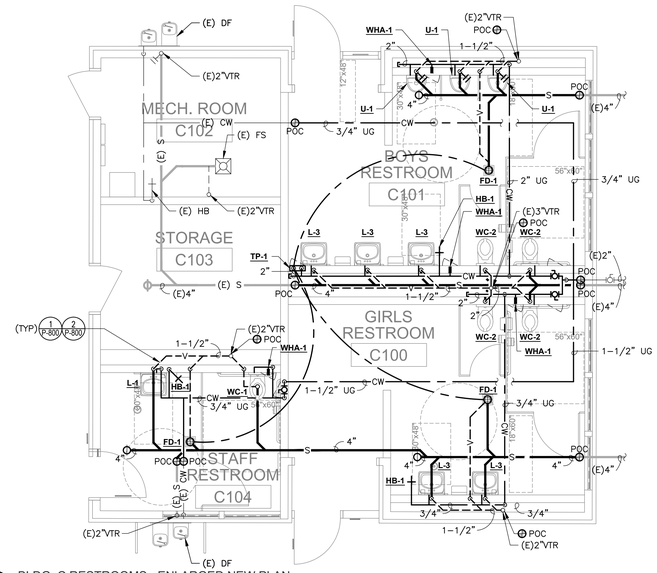
SHEET NO.

P-111



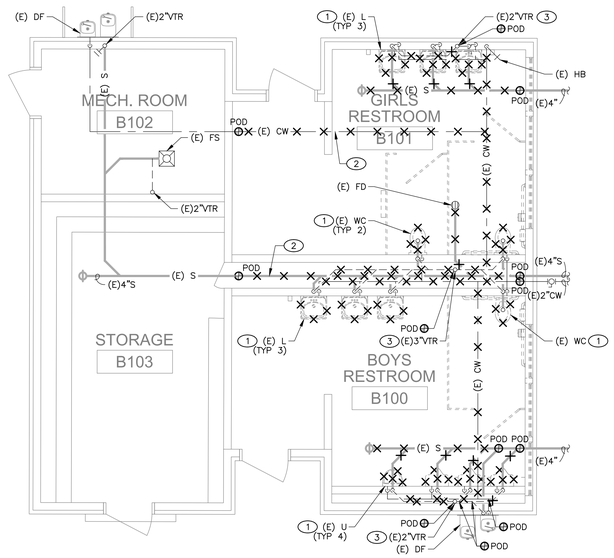
1 BLDG. RESTROOMS - ENLARGED DEMO PLAN

SCALE: 1/4" = 1'-0"



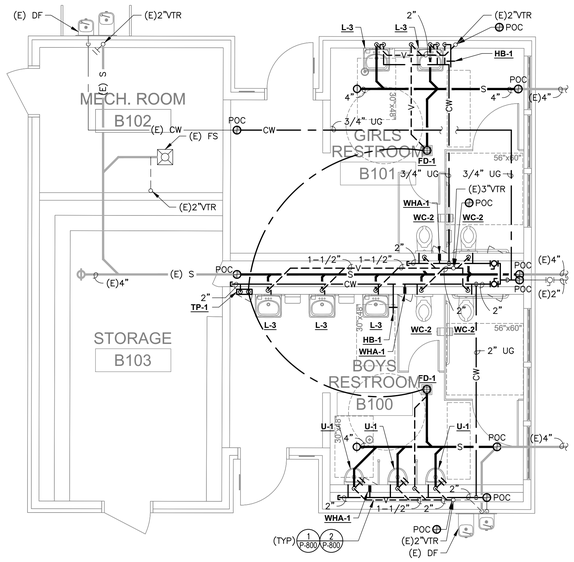
2 BLDG. C RESTROOMS - ENLARGED NEW PLAN

SCALE: 1/4" = 1'-0"



3 BLDG. B RESTROOMS - ENLARGED DEMO PLAN

SCALE: 1/4" = 1'-0"



4 BLDG. B RESTROOMS - ENLARGED NEW PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEY NOTES

1. DEMO EXISTING PLUMBING FIXTURES SHOWN HATCHED AND RELATED PIPING BACK TO POINT OF DISCONNECT.
2. DEMO EXISTING PIPING SHOWN HATCHED BACK TO POINT OF DISCONNECT.
3. EXISTING VENT RISE THROUGH ROOF TO REMAIN FOR CONNECTION TO NEW VENT PIPING.

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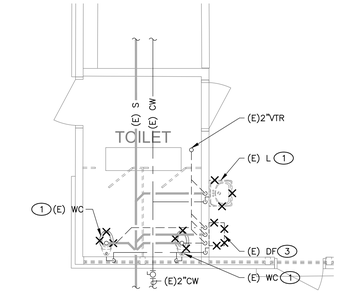
SHEET TITLE

PLUMBING
RESTROOM FLOOR PLANS

SHEET NO.

P-550



1 BLDG. A RESTROOM - ENLARGED DEMO PLAN
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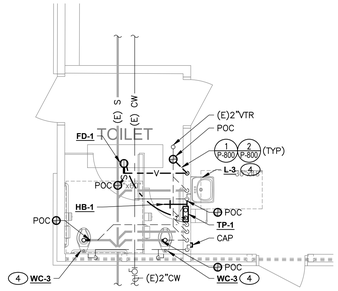

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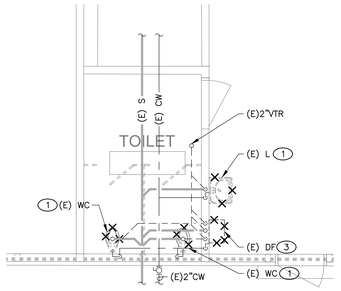
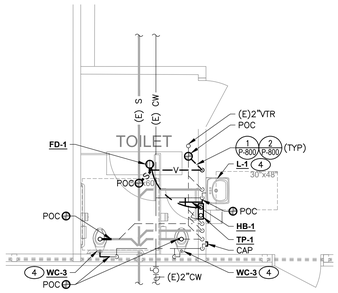


3 BLDG. A RESTROOM - ENLARGED DEMO PLAN
SCALE: 1/4" = 1'-0"



4 BLDG. A RESTROOM - ENLARGED NEW PLAN
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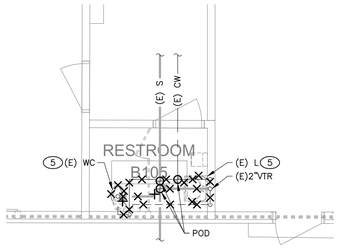

5 BLDG. B RESTROOM - ENLARGED DEMO PLAN
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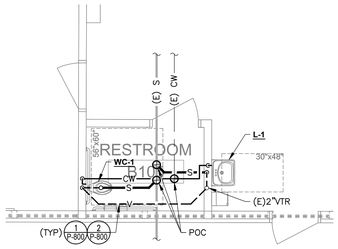
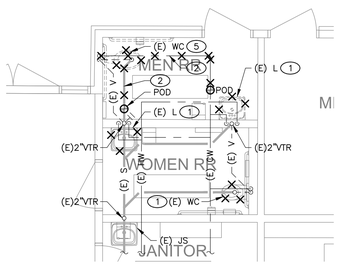
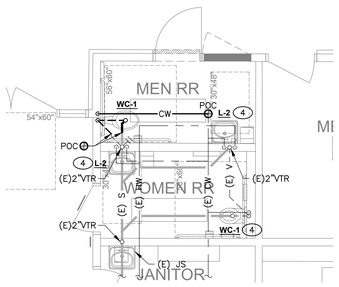


6 BLDG. B RESTROOM - ENLARGED NEW PLAN
SCALE: 1/4" = 1'-0"



7 BLDG. A RESTROOMS - ENLARGED DEMO PLAN
SCALE: 1/4" = 1'-0"



8 BLDG. A RESTROOMS - ENLARGED NEW PLAN
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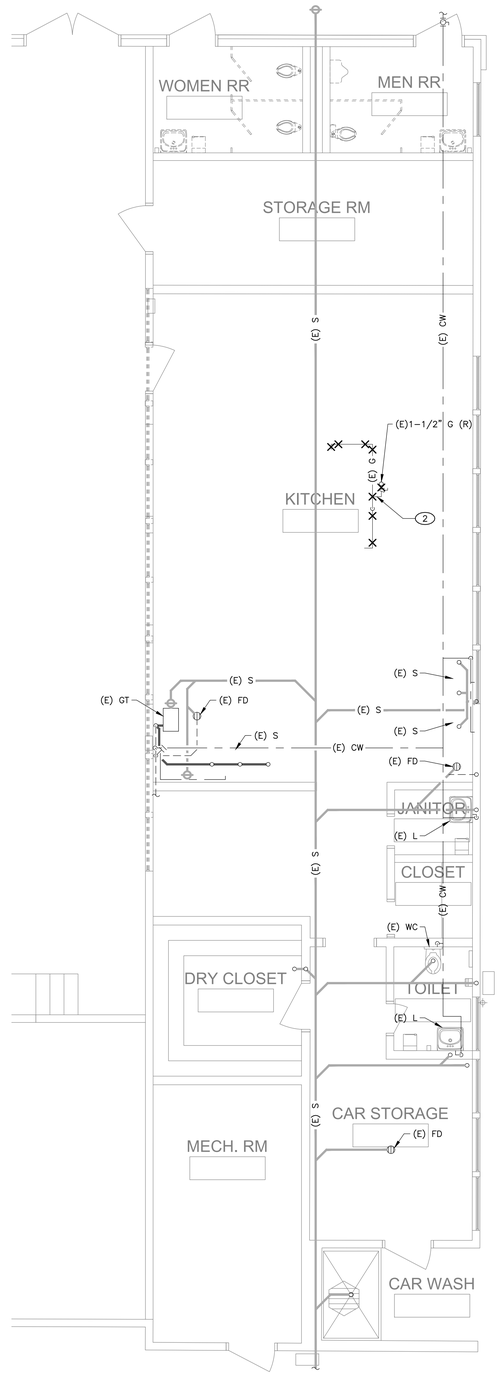
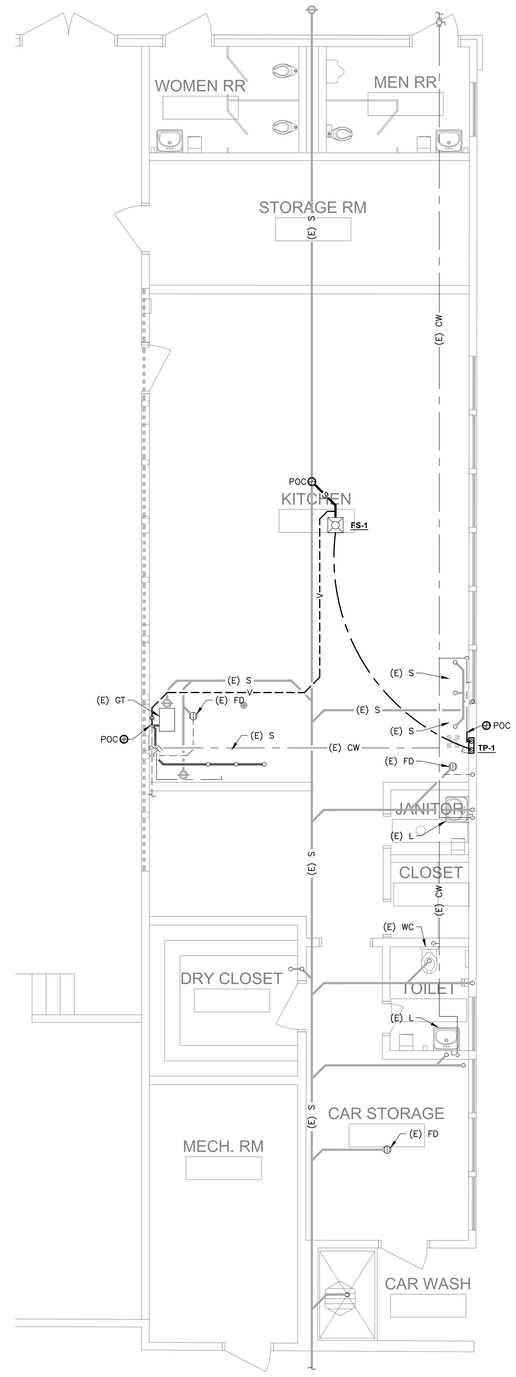


9 BLDG. D KITCHEN - ENLARGED DEMO PLAN
SCALE: 1/4" = 1'-0"



10 BLDG. D KITCHEN - ENLARGED NEW PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEY NOTES

1. DEMO EXISTING PLUMBING FIXTURE SHOWN HATCHED. MODIFY PIPING AS NEEDED FOR CONNECTION TO NEW PLUMBING FIXTURE.
2. DEMO EXISTING PIPING SHOWN HATCHED.
3. DEMO EXISTING PLUMBING FIXTURE SHOWN HATCHED. CAP RELATED PLUMBING PIPING BEHIND FINISHED SURFACES.
4. CONNECT NEW PLUMBING FIXTURE TO EXISTING PLUMBING PIPING. ADJUST PIPING AS REQUIRED FOR NEW FIXTURE CONNECTION.
5. DEMO EXISTING PLUMBING FIXTURE AND RELATED PIPING BACK TO POINT OF DISCONNECT.

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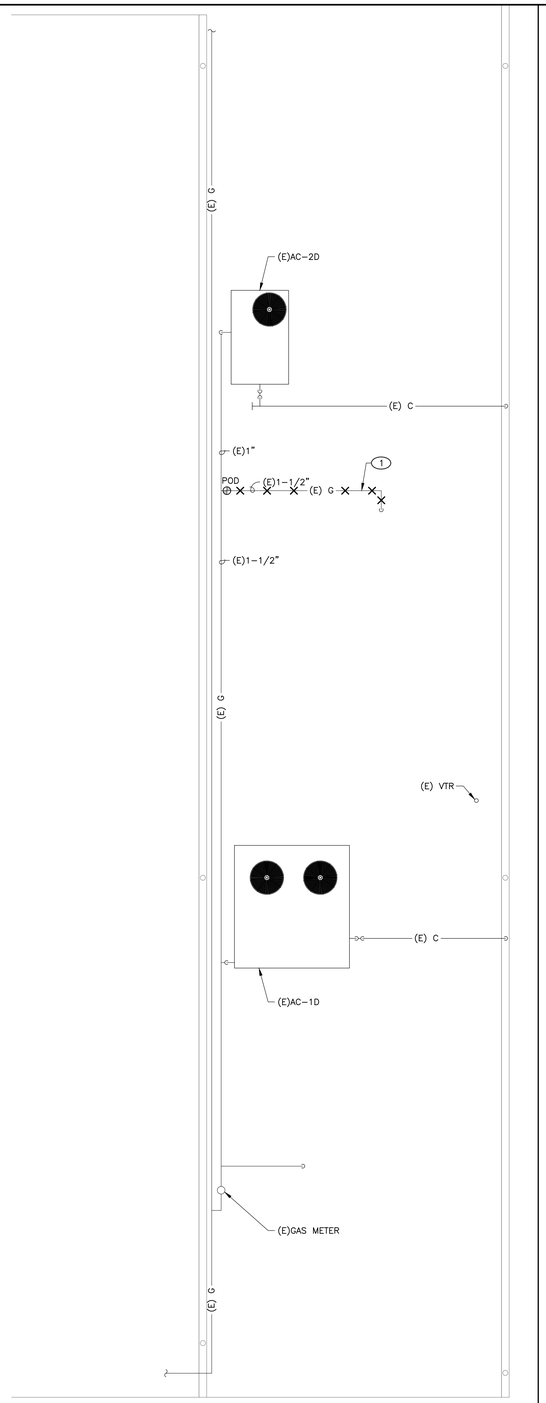
PLUMBING
ENLARGED FLOOR PLANS

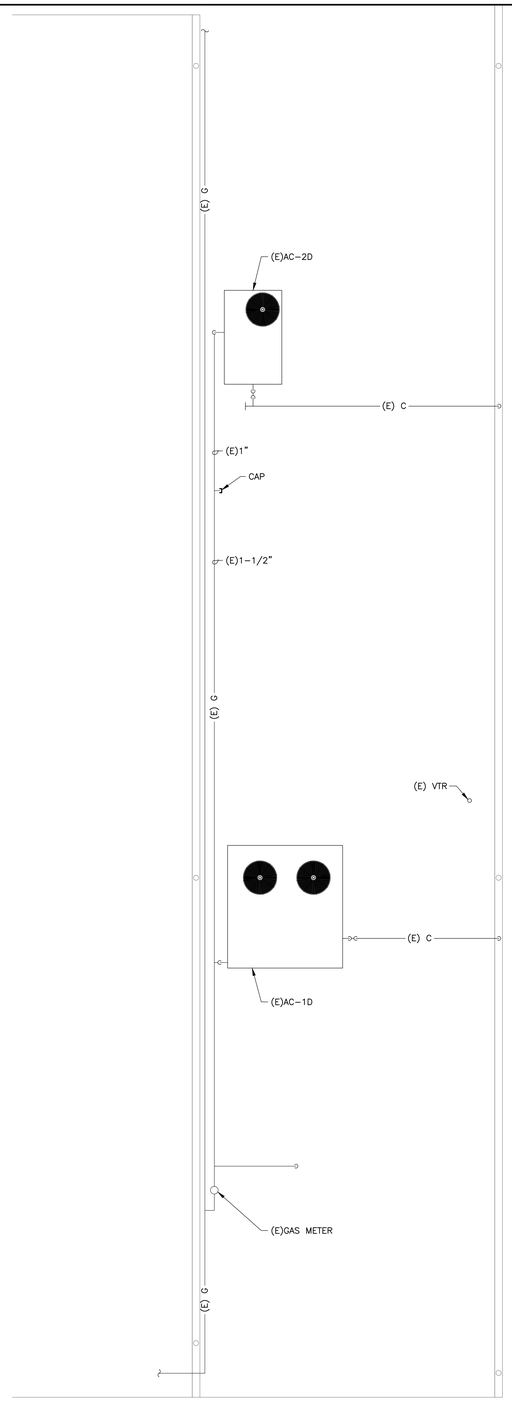
SHEET NO.

P-551



1 BLDG. D KITCHEN - ENLARGED DEMO ROOF PLAN

SCALE: 1/4" = 1'-0"



2 BLDG. D KITCHEN - ENLARGED NEW ROOF PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

KEY NOTES

1 REMOVE EXISTING PIPING SHOWN HATCHED BACK TO POINT OF DISCONNECT.

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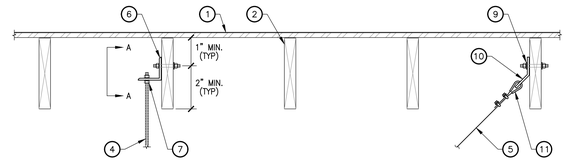
SHEET TITLE

PLUMBING
ENLARGED ROOF PLANS

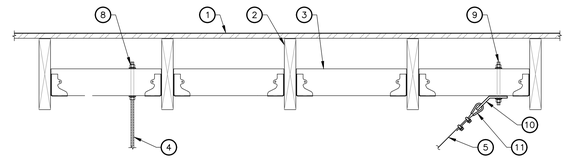
SHEET NO.

P-552

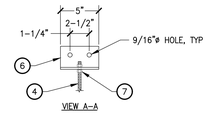
1. FLOOR/ROOF, SEE STRUCTURAL DRAWINGS
2. FLOOR/ROOF FRAMING, SEE STRUCTURAL DRAWINGS
3. 4x4 BLOCKING BETWEEN JOISTS W/ U44 HANGERS AT EACH END, TYP.
4. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL
5. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE
6. 3"x3"x1/4" x 5" LONG GALVANIZED STEEL ANGLE, ATTACH TO FRAMING WITH (2) 1/2"ø BOLTS OR THREADED ROD WITH NUTS AND WASHER
7. NUT, TOP AND BOTTOM
8. NUT AND WASHER, TOP AND BOTTOM
9. 3/8"ø THREADED ROD THROUGH SUPPORT MEMBER WITH NUT AND WASHER EA END
10. 2"x3"x1/4" x 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL
11. CABLE THIMBLE AND CABLE CLIPS



AT FRAMING MEMBERS



BETWEEN FRAMING MEMBERS

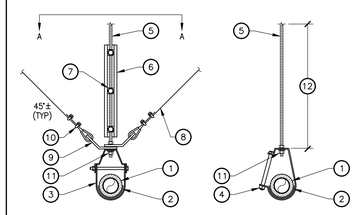


VIEW A-A

HANGER UPPER ATTACHMENTS (WOOD) | NTS | 1

1. PIPE, SEE PLAN FOR SIZE AND ROUTING
2. PIPE INSULATION WHERE APPLICABLE, SEE SPECIFICATIONS. PROVIDE INSULATION PROTECTION SADDLE, MIN. 12" LONG, B-LINE B3151 OR EQUAL. MAY BE SUBSTITUTED FOR PRE-INSULATED CALCIUM SILICATE SHIELD SUPPORT, B-LINE B338 OR EQUAL.
3. STANDARD CLEVIS PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3690 OR EQUAL
4. ADJUSTABLE 'J' PIPE HANGER, COATED OR PLATED TO ISOLATE HANGER FROM DISSIMILAR METAL PIPING, B-LINE B3690 OR EQUAL
5. 3/8"ø THREADED ROD, B-LINE ATR OR EQUAL
6. 1-5/8"x1-5/8"x12 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL
7. ROD STIFFENER, B-LINE MODEL 98B OR EQUAL, MIN. 1" FROM TOP AND BOTTOM OF UNISTRUT AND MAX. 28" O.C., TORQUE TO 10 FT-LBS
8. 3/32"ø PRE-STRETCHED GALVANIZED AIRCRAFT CABLE, 7x19 STRAND CORE
9. 2"x3"x1/4" X 1-5/8" WIDE GALVANIZED STEEL ANGLE, B-LINE MODEL B154 OR EQUAL
10. CABLE THIMBLE AND CABLE CLIPS
11. NUT AND WASHER, TOP AND BOTTOM
12. LENGTH FROM PIPE SUPPORT POINT TO THE CONNECTION AT THE SUPPORTING STRUCTURE NOT TO EXCEED 12".

NOTES:
A. HANGER SPACING PER CPC TABLE 313.3.
B. SEISMIC BRACING SPACING NOT TO EXCEED 40FT O.C. AND 2FT FROM CHANGES IN DIRECTION.
C. SEISMIC BRACING IS NOT REQUIRED FOR THE FOLLOWING CONDITIONS PER CBC 1617A.1.26 AND ASCE 7, SECTION 13.6.7.3 (EXCEPTION 2):
C.A. PIPING CONTAINING HAZARDOUS CONTENTS (EX: NATURAL GAS, PROPANE, MEDICAL GASES) WITH AN Ip>1.0 WHERE:
C.A.A. PIPE SIZE IS 1" OR LESS, AND
C.A.B. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
C.A.C. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
C.B. ALL OTHER PIPING NOT CONTAINING HAZARDOUS CONTENTS WITH AN Ip=1.0 WHERE:
C.A.A. PIPE SIZE IS 3" OR LESS, AND
C.A.B. PIPE IS SUPPORTED BY INDIVIDUAL HANGER NOT EXCEEDING 12", AND
C.A.C. TOTAL WEIGHT SUPPORTED BY INDIVIDUAL HANGER IS 50 POUNDS OR LESS.
D. PROVIDE ROD STIFFENERS ONLY WHERE ROD LENGTH FROM SEISMIC BRACING TO UPPER ATTACHMENT EXCEEDS 18".



SEISMIC SUPPORT

NON-SEISMIC SUPPORT

VIEW A-A

PIPE HANGER DETAIL | NTS | 2

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PLUMBING DETAILS

SHEET NO.

P-800

ONE AND ONE-HALF INCH = ONE FOOT
ONE INCH = ONE FOOT
THREE-QUARTERS INCH = ONE FOOT
ONE-HALF INCH = ONE FOOT
ONE-QUARTER INCH = ONE FOOT
ONE-EIGHTH INCH = ONE FOOT
ONE-SIXTEENTH INCH = ONE FOOT
ONE INCH = TWENTY FEET

ABBREVIATIONS:

REVISED: 09/20/2023

A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANN	ANNUNCIATOR
AP	ACCESS POINT
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BICSI	BUILDING INDUSTRY CONSTRUCTION SERVICE INTERNATIONAL
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CAT	CATEGORY
CATV	CABLE TELEVISION
CD	CANDELA
CFCI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CL	CENTER LINE
CO	CARBON MONOXIDE
DN	DOWN
(E)	EXISTING
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FTC	FIRE TERMINAL CABINET
GRC	GALVANIZED RIGID CONDUIT
G OR GB	GROUND BOX
IACP	INTRUSION ALARM CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE METAL CONDUIT
J OR JB	JUNCTION BOX
MEP	MECHANICAL / ELECTRICAL / PLUMBING
MDF	MAIN DISTRIBUTION FRAME
MPOE	MINIMUM PONT OF ENTRY
(N)	NEW
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
OFE	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OSP	OUTSIDE PLANT
PVC	POLYVINYL CHLORIDE
RCDD	REGISTERED COMMUNICATION DISTRIBUTION DESIGNER
RCWY	RACEWAY
RM	ROOM
SR	SURFACE RACEWAY
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRIGHTERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATT
WP	WEATHERPROOF

TECHNOLOGY SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / PART NUMBER	NOTES / DETAIL REFERENCES
G	GROUND BOX	JENSEN	JENSEN	GREY = EXISTING (1 / T-501)
J	JUNCTION BOX	COMMERCIAL GRADE		GREY = EXISTING
	CONDUIT STUB	COMMERCIAL GRADE		GREY = EXISTING (2 / T-502)
	UNDERGROUND CONDUIT	COMMERCIAL GRADE		GREY = (E) (2 / T-501) (3 / T-501) (4 / T-501)
	CONDUIT (EMT, GRC & ALL THREAD)	COMMERCIAL GRADE		GREY = EXISTING (3 / T-502)
2300	SURFACE MOUNTED CABLE RACEWAY	N/A	N/A	GREY = EXISTING (4 / T-502)
	CONDUIT RISER	N/A	N/A	GREY = EXISTING (6 / T-501)
#	DATA PERMANENT LINK, CAT6A JACK/CABLE # = QTY., NO # = 1	ORTRONICS / SUPERIOR ESSEX	SEE 27 10 00	WHITE JACK / WHITE CABLE (8 / T-502)
MPOE	MINIMAL POINT OF ENTRY	AT&T AND COMCAST		N/A
MAR-A	OUTDOOR FULL-COLOR MARQUEE DISPLAY	STEWART SIGNS	TEKSTAR	SEE MARQUEE SCOPE OF WORK
	12K LUMEN PROJECTOR, WALL MOUNT	EPSON	SEE SINGLE LINE	N/A (10 / T-501)
	MOTORIZED DROP DOWN PROJECTOR SCREEN	DALITE	SEE SINGLE LINE	N/A (10 / T-501)
AVx	MISC. AV EQUIPMENT	SEE AV SINGLE LINE FOR MORE INFORMATION		"x" = NUMBER / LETTER AS PER ONE LINE
	AV SPEAKER, WALL MOUNT	FULCRUM	SEE SINGLE LINE	N/A (11 / T-501)

ELECTRONIC ACCESS CONTROL SYMBOL LEGEND:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / PART NUMBER	NOTES / DETAIL REFERENCES
CON	ACCESS CONTROL MANAGEMENT EMBEDDED CONTROLLER	AVIGILON	AC-MER-CONT-LP1501	INSTALL AT MDF LOCATION (1 / T-601)
PSU	ACCESS CONTROL POWER SUPPLY UNIT W/ BATTERY BACKUP	AVIGILON	AC-LSP-2DR-MER-LCK	INSTALL AT MDF LOCATION
CRA	CARD READER	AVIGILON	AC-ING-READ-APTIQ-SNG-MT15	N/A (5 / T-501) (15 / T-501)
LRM	LATCH RETRACT MOTOR RETROFIT	VON DUPRIN	QEL	N/A
VIC	VIDEO INTERCOM W/ SURFACE MOUNTED BACKBOX	AVIGILON	H4VI-RO1-IR, H4VI-MT-SURF1	N/A (5 / T-501) (15 / T-501)
TEL	ADMINISTRATIVE DESK PHONE SET	CISCO	EXISTING	PROGRAM KEY AT PHONE SET FOR DOOR UNLOCK
	RFID CARDS	SCHLAGE	8520	QUANTITY 100. SERIALIZED PER DIST. REQUIREMENTS.
ADL	ARMORED DOOR LOOP	SECO-LARM	SD-969-M15Q/*	* = "S" FOR SILVER OR "B" FOR BRONZE

PRE-CON MEETING REQUIREMENTS:

1. PRIOR TO BEGINNING ANY SITE WORK, INCLUDING DEMO, AN ON-SITE PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE LOW VOLTAGE DESIGNER. ANY SITE WORK COMMENCED PRIOR TO THIS MEETING SHALL BE AT THE CONTRACTOR'S SOLE RISK.

JOB SPECIFIC STANDARDS FOR LOW VOLTAGE:

SEE SPECIFICATIONS DIVISION 27 AND 28 FOR COMPLETE REQUIREMENTS.

1. CONDUIT BODIES, CONDULETS, PULLING ELBOWS, AND/OR "LB" FITTINGS ARE PROHIBITED IN ANY PATHWAY CONTAINING DATA CABLING (COPPER OR FIBER).
2. SINGLE HOLE CONDUIT STRAPS ARE PROHIBITED.
3. ALL WIRE AND CABLE PASSING THROUGH METALWORK SHALL BE SLEEVED WITH AN APPROPRIATE GROMMET OR BUSHING.

MARQUEE SIGN SCOPE OF WORK:

1. DEMO (E) MARQUEE SIGN BUT PRESERVE FOUNDATION AND ANCHOR BOLTS. FOUNDATION AND ANCHOR BOLTS WILL BE REUSED.

2. FURNISH AND INSTALL (N) STEWART SIGNS TEKSTAR 10MM LED MARQUEE SIGN WITH INTEGRATED STATIC GRAPHIC PANEL, TO MOUNT ON (E) FOUNDATION AND ANCHOR BOLTS. NO SUBSTITUTIONS. CONTACT SHAY EINHAUS, STEWART SIGNS, 941-867-1852. OVERALL CABINET DIMENSIONS 4'x6'. DOUBLE SIDED INNER LED CABINET 2'4"x5'6", 10.66MM 60X150 LED PIXEL MATRIX.

3. COORDINATE WITH ARCHITECT FOR GRAPHIC PANEL DESIGN AND CABINET COLOR.

4. COORDINATE WITH ELEC. FOR DEDICATED 120V 20A CIRCUIT AT SIGN LOCATION.

5. PROVIDE CONDUIT PATHWAY FOR FUTURE DATA CONNECTION. SEE SITE PLAN.

TECHNOLOGY SCOPE OF WORK:

1. THE CONTRACTOR SHALL PROVIDE ALL AUDIO VISUAL EQUIPMENT, LICENSES, SOFTWARE AND ACCESSORIES FOR COMPLETE AND FULLY OPERATIONAL SYSTEMS.
2. THE CONTRACTOR SHALL PROVIDE ALL DATA NETWORK EQUIPMENT, LICENSES, SOFTWARE AND ACCESSORIES FOR COMPLETE AND FULLY OPERATIONAL DATA NETWORK SYSTEM.
3. THE CONTRACTOR SHALL PROVIDE ALL VIDEO INTERCOM AND ELECTRONIC ACCESS CONTROL EQUIPMENT, LICENSES, SOFTWARE, AND ACCESSORIES FOR COMPLETE AND FULLY OPERATIONAL SYSTEMS.
4. THE CONTRACTOR SHALL FURNISH AND DELIVER THE (N) VIDEO INTERCOM AND (N) ELECTRONIC ACCESS CONTROLLERS TO DISTRICT FOR PROGRAMMING.
5. THE CONTRACTOR SHALL PROVIDE THE OUTDOOR ELECTRONIC LED DISPLAY INCLUDING ALL LICENSES, SOFTWARE, AND ACCESSORIES FOR A COMPLETE ANF FULLY OPERATIONAL SYSTEM.
6. THE CONTRACTOR SHALL REMOVE OLD OR ABANDONED TELEPHONE AND DATA NETWORK COMPONENTS (INCLUDING WIRE AND PATHWAY) AND PLATE OVER ANY OPENINGS.
7. THE CONTRACTOR SHALL COORDINATE CUTOVERS AND ACTIVATION/COMMISSIONING OF NEW SYSTEM WITH DISTRICT REPRESENTATIVE AND DISTRICT STAFF.

TEMPORARY INTRUSION AND FIRE ALARM SCOPE OF WORK:

AREAS WHERE WALLS/CEILINGS ARE BEING REPLACED:

1. THE INTENT IS TO RETURN ANY EXISTING INTRUSION/FIRE ALARM DEVICE THAT WAS TEMPORARILY REMOVED FOR CONSTRUCTION TO ITS ORIGINAL LOCATION AND FUNCTIONALITY.

1. BOTH THE INTRUSION AND FIRE ALARM PANELS ARE TO BE DOCUMENTED AS CLEAR OF FAULTS AND IN A NORMAL STATE PRIOR TO BEGINNING ANY WORK.
2. TEMPORARILY REMOVED DEVICES ARE TO BE PRESERVED FOR REINSTALL.
3. BOTH THE INTRUSION AND FIRE ALARM PANELS TO BE TEMPORARILY PROGRAMMED FOR REMOVED DEVICES AND CLEAR WITH NO FAULTS.
4. NEW IN-WALL/CEILING PATHWAY TO BE PROVIDED AND INSTALLED.
5. NEW WIRE/CABLE TO BE PROVIDED AND INSTALLED FROM ADJACENT UPSTREAM/DOWNSTREAM DEVICES. NO SPLICING IS ALLOWED.
6. REMOVED DEVICE TO BE REINSTALLED AT ORIGINAL LOCATION AND BOTH PANELS ARE TO BE PROGRAMMED TO RETURN THESE DEVICES TO NORMAL OPERATION.
7. ALL REMOVED/REINSTALLED DEVICES TO BE TESTED IN PRESENCE OF IOR AND DISTRICT/DISTRICT'S REPRESENTATIVE.

ANCHORAGE AND BRACING NOTES:

APPLICABLE CODE: 2022 CBC — REVISED: 01/11/2024

MEP COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. “PERMANENTLY ATTACHED” SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒
OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐
OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVAL (OPM #) #____________, AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

PROJECT CODES AND STANDARDS

REVISED: 01/11/2024

PARTIAL LIST OF APPLICABLE CODES AND STANDARDS EFFECTIVE JANUARY 1, 2022:
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1
2022 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2 (2021 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3 (2020 NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4 (2021 UNIFORM MECHANICAL CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), CCR, TITLE 24, PART 5 (2021 UNIFORM PLUMBING CODE, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6
2022 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9 (2021 INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CCR, TITLE 24, PART 11
2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART 12
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE, NATIONAL FIRE PROTECTION ASSOCIATION

PROJECT NOTES:

PRODUCT ORDERING
1. ANY PRODUCTS WITH LONG LEAD TIMES SHALL BE BROUGHT TO THE PROJECT MANAGER'S ATTENTION.
2. PRODUCT ORDERING SHALL ONLY OCCUR AFTER APPROVED PRODUCT SUBMITTALS, APPROVED SUBSTITUTION REQUEST (IF ANY) AND APPROVED SHOP DRAWINGS.

INSTALLATION
1. ANY DISCREPANCIES BETWEEN THE DESIGN DOCUMENTS AND GOVERNING CODE / STANDARDS SHALL BE BROUGHT TO THE PROJECT MANAGER'S ATTENTION.
2. A STAMPED SET OF APPROVED DESIGN DOCUMENTS AND SHOP DRAWINGS SHALL BE ONSITE AT ALL TIMES.
3. CONTRACTOR SHALL CONSTANTLY MAINTAIN ONSITE REDLINE DRAWINGS AND BE AVAILABLE FOR INSPECTION BY THE INSPECTOR OF RECORD.
4. ANY PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRE MATERIALS / EQUIPMENT APPROVED TO MAINTAIN THE RATING OF THE ASSEMBLY.
5. ALL WIRING SHALL BE CONNECTED TO DEVICES, NO SPLICING IS ALLOWED.
6. ALL LOW-VOLTAGE CABLING SHALL BE IN CONDUIT, RACEWAY OR OPEN AIR ON J-HOOKS / CABLE TRAY FOR ABOVE CEILINGS.
7. ELECTRICAL POWER FOR LOW-VOLTAGE SYSTEMS TO BE DEDICATED TO EACH SYSTEM AND WORK TO BE PERFORMED BY A LICENSED ELECTRICIAN.
8. LOW VOLTAGE EQUIPMENT, CABINETS AND ACCESSORIES TO BE MOUNTED PER MANUFACTURER'S INSTRUCTIONS. NO SINGLE DEVICE SHALL EXCEED 20 POUNDS IN WEIGHT WITHOUT SPECIAL MOUNTING DETAILS.
9. CONTRACTOR SHALL REQUEST A PUNCH WALK INSPECTION 10 WORKING DAYS PRIOR TO FINAL INSPECTION.
10. PRIOR TO FINAL INSPECTION CONTRACTOR SHALL PROVIDE PRINTED REDLINES FOR USE BY THE INSPECTORS.
11. AT THE FINAL INSPECTION THE CONTRACTOR SHALL PROVIDE A SATISFACTORY TEST OF THE ENTIRE SYSTEM(S) IN PRESENCE OF THE DESIGNER/ENGINEER, INSPECTOR OF RECORD, THE OWNER OR THE OWNER'S REPRESENTATIVE.
12. THE CONTRACTOR SHALL PROVIDE OWNER WITH SYSTEM OPERATION TRAINING.
13. SECURITY SYSTEM SHALL NOT IN ANY WAY LIMIT OR COMPROMISE EXITING THROUGH ALL REQUIRED EXIT ACCESS AND EXIT DISCHARGE SYSTEMS.

CONTRACTOR FURNISHED DOCUMENTS:

SEE SECTION 27 00 00 FOR MORE INFORMATION / REQUIREMENTS

PRODUCT SUBMITTALS
1. SUBMIT PRODUCT MATERIALS SUBMITTALS PER 27 00 00 REQUIREMENTS
2. ANY PROPOSED ALTERNATIVE PRODUCTS REQUIRE A WRITTEN PRODUCT SUBSTITUTION REQUEST.

SHOP DRAWINGS
1. SUBMIT SHOP DRAWINGS PER 27 00 00 REQUIREMENTS
2. SHOP DRAWINGS ARE REQUIRED FOR MDF/IDF DATA RACK LAYOUTS, MDF/IDF WALL ELEVATIONS, AUDIO-VISUAL SYSTEMS AND INTERCOM SYSTEMS.
3. DESIGN DOCUMENTS ARE AS ACCURATE AS POSSIBLE, BUT SHALL BE CONSIDERED AS DIAGRAMMATIC.
4. SHOP DRAWINGS SHALL PRESENT A LEVEL OF DETAIL FOR A COMPLETE, BUILDABLE AND OPERABLE SYSTEM.
5. SHOP DRAWINGS ALLOW THE CONTRACTOR TO MAKE CORRECTIONS FOR ERRORS/OMISSIONS IN DESIGN DOCUMENTS.
6. IN CASE OF DOUBT OF WORK INTENDED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST INSTRUCTIONS FROM THE PROJECT MANAGER.
7. APPROVED SHOP DRAWINGS ARE REQUIRED PRIOR TO START OF WORK. ANY WORK STARTED PRIOR TO SHOP DRAWING APPROVAL SHALL BE AT CONTRACTOR'S OWN RISK.
8. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE AND OPERABLE SYSTEM AND ANY COMPONENT(S) NEEDED FOR A COMPLETE AND OPERABLE SYSTEM AFTER SHOP DRAWING APPROVAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

CONTRACTOR CERTIFICATION
1. STRUCTURED DATA CABLING AND INTERCOM SYSTEMS REQUIRE CERTIFIED INSTALLERS. CONTRACTOR TO PROVIDE CERTIFICATIONS PRIOR TO START OF WORK.
2. CONTRACTOR SHALL ONLY PROVIDE WORK FOR SYSTEMS THAT THEY POSSESS CURRENT AND VALID CERTIFICATIONS.

CLOSEOUT DOCUMENTS
1. DOCUMENTS PER 27 00 00 REQUIREMENTS
2. UPDATED PRINTED AS-BUILT DRAWINGS
3. TYPED RECORD OF COMPLETION

TECHNOLOGY SHEET INDEX:

SHEET	DESCRIPTION
T-001	TECHNOLOGY COVER SHEET
T-050	TECHNOLOGY DEMO SITE PLAN
T-051	TECHNOLOGY DEMO FLOOR PLAN - MDF
T-052	TECHNOLOGY DEMO FLOOR PLAN - IDF 1, 2 AND 3
T-101	TECHNOLOGY NEW SITE PLAN
T-111	TECHNOLOGY NEW FLOOR PLAN - MDF
T-112	TECHNOLOGY NEW FLOOR PLAN - IDF 1,2 AND 3
T-501	TECHNOLOGY DETAILS
T-502	TECHNOLOGY DETAILS
T-503	TECHNOLOGY DETAILS
T-601	TECHNOLOGY SINGLE LINE DIAGRAMS
T-602	TECHNOLOGY SINGLE LINE DIAGRAMS - MP ROOM AV

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

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ARCHITECT

DSA SUBMITTAL

REVISIONS

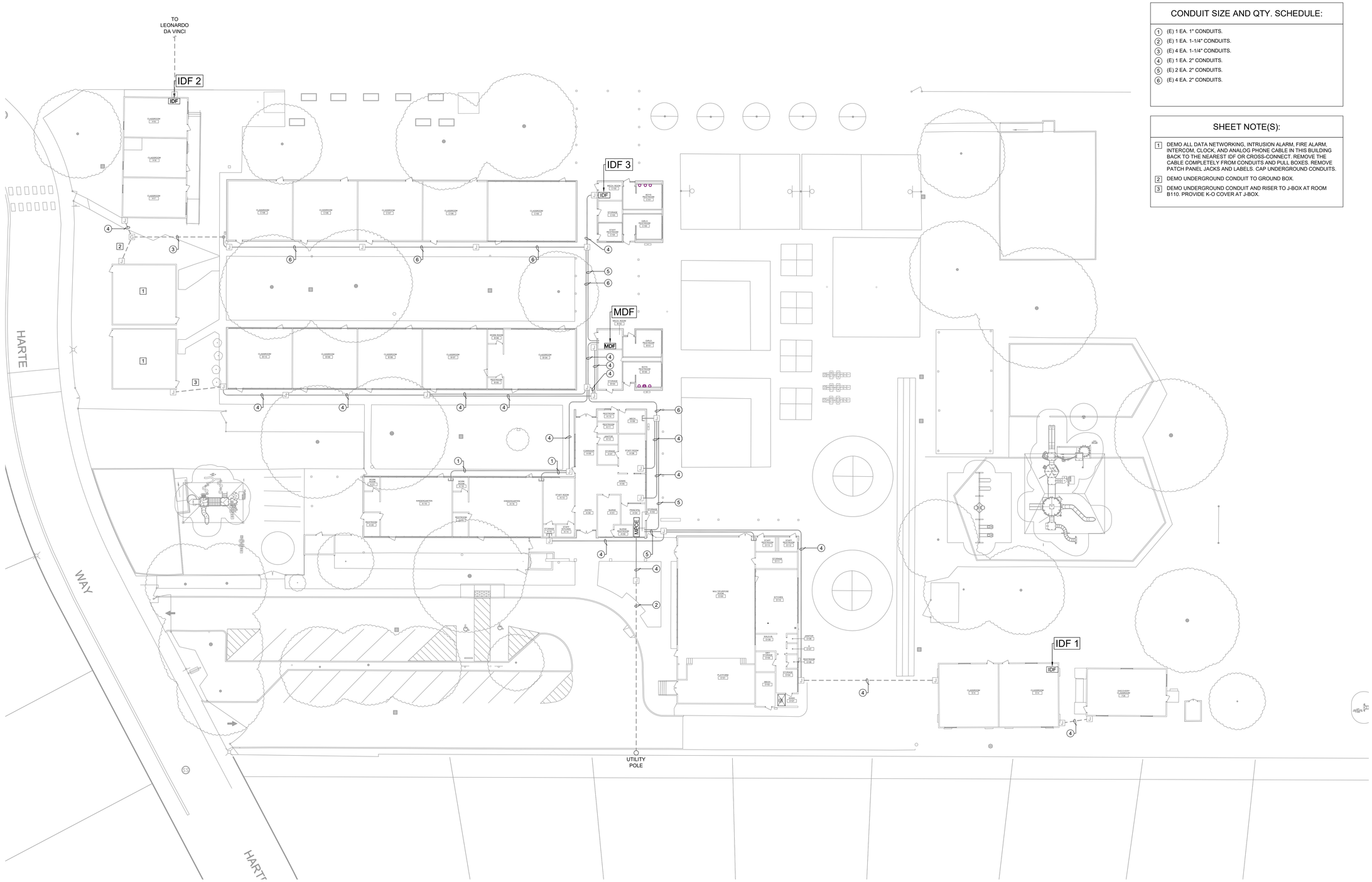
NO.	DESCRIPTION	DATE

DATE: 10/01/2024
JOB NO.: Y2421.00
SHEET TITLE

TECHNOLOGY COVER SHEET

SHEET NO.

T-001



GENERAL NOTE(S):

1. ALL WORK MUST BE PERFORMED PRIOR TO DEMOLITION OF THE EXISTING BUILDINGS.
2. ALL ITEMS IDENTIFIED FOR REMOVAL ARE TO BE INVENTORIED, LABELED, BOXED AND DELIVERED TO THE DISTRICT WAREHOUSE IN GOOD CONDITION.

CONDUIT SIZE AND QTY. SCHEDULE:

1. (E) 1 EA. 1" CONDUITS.
2. (E) 1 EA. 1-1/4" CONDUITS.
3. (E) 4 EA. 1-1/4" CONDUITS.
4. (E) 1 EA. 2" CONDUITS.
5. (E) 2 EA. 2" CONDUITS.
6. (E) 4 EA. 2" CONDUITS.

SHEET NOTE(S):

1. DEMO ALL DATA NETWORKING, INTRUSION ALARM, FIRE ALARM, INTERCOM, CLOCK, AND ANALOG PHONE CABLE IN THIS BUILDING BACK TO THE NEAREST IDF OR CROSS-CONNECT. REMOVE THE CABLE COMPLETELY FROM CONDUITS AND PULL BOXES. REMOVE PATCH PANEL JACKS AND LABELS. CAP UNDERGROUND CONDUITS.
2. DEMO UNDERGROUND CONDUIT TO GROUND BOX.
3. DEMO UNDERGROUND CONDUIT AND RISER TO J-BOX AT ROOM B110. PROVIDE K-O COVER AT J-BOX.

TECHNOLOGY DEMO SITE PLAN

SCALE: 1"=20'

0 20 40

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

TECHNOLOGY
DEMO SITE PLAN

SHEET NO.

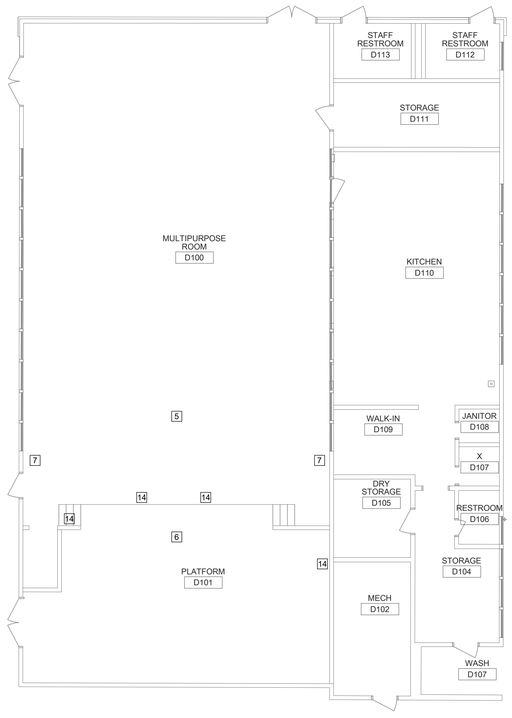
T-050

GENERAL NOTE(S):

1. ALL WORK MUST BE PERFORMED PRIOR TO DEMOLITION OF THE EXISTING BUILDINGS.
2. ALL ITEMS IDENTIFIED FOR REMOVAL ARE TO BE INVENTORIED, LABELED, BOXED AND DELIVERED TO THE DISTRICT WAREHOUSE IN GOOD CONDITION.

SHEET NOTE(S):

1. REMOVE THE CISCO PHONE HANDSET.
2. REMOVE THE INTERIOR WIRELESS ACCESS POINT AND MOUNT.
3. REMOVE ALL FIRE DEVICES AND DEPROGRAM THEM FROM THE FACP.
4. REMOVE ALL INTRUSION DEVICES AND DEPROGRAM THEM FROM THE IACP.
5. DEMO CEILING MOUNTED VIDEO PROJECTOR, MOUNT, CABLING, SURFACE RACEWAY, AND WALL INPUT. PATCH AND PREP FOR PAINT.
6. DEMO PULL DOWN PROJECTION SCREEN, MOUNTS, AND BACKBOARD. PATCH AND PREP FOR PAINT.
7. DEMO WALL MOUNTED PA SPEAKERS, MOUNTS, WIRING, AND SURFACE RACEWAY. PATCH AND PREP FOR PAINT.
8. REMOVE CCTV CAMERA.
9. REMOVE MESSAGE BOARD/INTERCOM COMBO UNIT AND SURFACE BOX.
10. REMOVE LED TV, MOUNT, APPLE TV, AND MAC MINI.
11. DEMO ABANDONED DATA RACEWAY AND OUTLETS, THIS WALL.
12. DEMO DATA AT POLE AND ABANDONED RACEWAY.
13. DEMO DATA RECEPTACLE AND CABLING BACK TO PATCH PANEL. DEMO ABANDONED SURFACE RACEWAY.
14. DEMO AV EQUIPMENT ON WALL.
15. DEMO NETWORK SWITCH ON SHELF. DEMO ALL DATA DROPS ORIGINATING AT THIS LOCATION FROM ENDPOINT TO ENDPOINT. DEMO ABANDONED SURFACE RACEWAY.
16. DEMO ANALOG PHONE STATION CABLES ORIGINATING AT THIS LOCATION, FROM ENDPOINT TO ENDPOINT. DEMO 25 PAIR COPPER FEEDER TO MPOE. DEMO ABANDONED 66 BLOCKS ON WALL.



TECHNOLOGY DEMO SITE PLAN - MDF

SCALE: 1/8"=1'

DIVISION OF THE STATE ARCHITECT

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ARCHITECT

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JOB NO.: Y2421.00

SHEET TITLE

TECHNOLOGY DEMO SITE PLAN - MDF

SHEET NO.

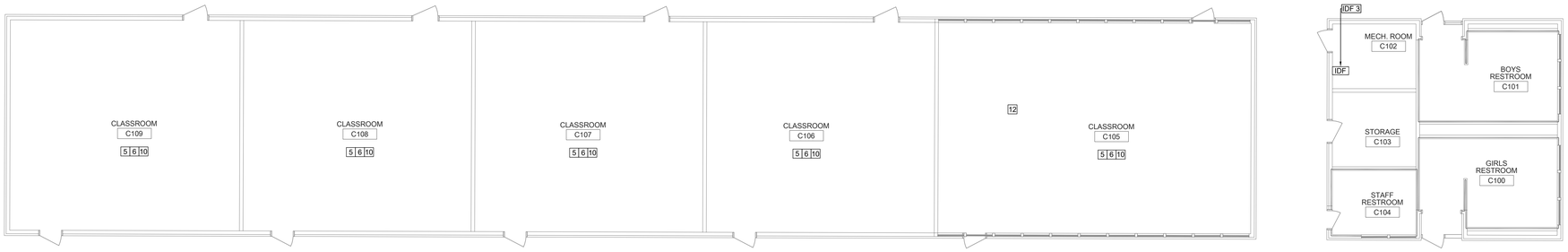
T-051

SHEET NOTE(S):

1. REMOVE THE CISCO PHONE HANDSET.
2. REMOVE THE INTERIOR WIRELESS ACCESS POINT AND MOUNT.
3. REMOVE ALL FIRE DEVICES AND DEPROGRAM THEM FROM THE FACP.
4. REMOVE ALL INTRUSION DEVICES AND DEPROGRAM THEM FROM THE IACP.
5. DEMO CEILING MOUNTED VIDEO PROJECTOR, MOUNT, CABLING, SURFACE RACEWAY, AND WALL INPUT. PATCH AND PREP FOR PAINT.
6. DEMO PULL DOWN PROJECTION SCREEN, MOUNTS, AND BACKBOARD. PATCH AND PREP FOR PAINT.
7. DEMO WALL MOUNTED PA SPEAKERS, MOUNTS, WIRING, AND SURFACE RACEWAY. PATCH AND PREP FOR PAINT.
8. REMOVE CCTV CAMERA.
9. REMOVE MESSAGE BOARD/INTERCOM COMBO UNIT AND SURFACE BOX.
10. REMOVE LED TV, MOUNT, APPLE TV, AND MAC MINI.
11. DEMO ABANDONED DATA RACEWAY AND OUTLETS, THIS WALL.
12. DEMO DATA AT POLE AND ABANDONED RACEWAY.
13. DEMO DATA RECEPTACLE AND CABLING BACK TO PATCH PANEL. DEMO ABANDONED SURFACE RACEWAY.
14. DEMO AV EQUIPMENT ON WALL.
15. DEMO NETWORK SWITCH ON SHELF. DEMO ALL DATA DROPS ORIGINATING AT THIS LOCATION FROM ENDPOINT TO ENDPOINT. DEMO ABANDONED SURFACE RACEWAY.
16. DEMO ANALOG PHONE STATION CABLES ORIGINATING AT THIS LOCATION, FROM ENDPOINT TO ENDPOINT. DEMO 25 PAIR COPPER FEEDER TO MPOE. DEMO ABANDONED 66 BLOCKS ON WALL.

GENERAL NOTE(S):

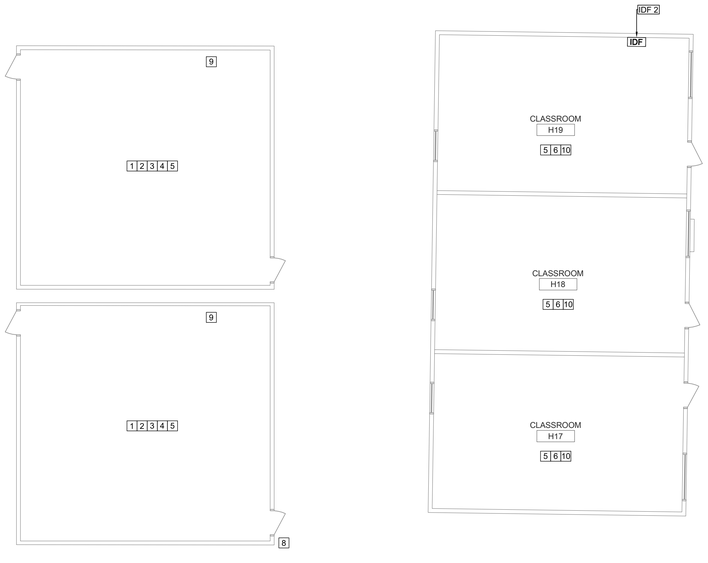
1. ALL WORK MUST BE PERFORMED PRIOR TO DEMOLITION OF THE EXISTING BUILDINGS.
2. ALL ITEMS IDENTIFIED FOR REMOVAL ARE TO BE INVENTORIED, LABELED, BOXED AND DELIVERED TO THE DISTRICT WAREHOUSE IN GOOD CONDITION.



TECHNOLOGY DEMO SITE PLAN - IDF 3

SCALE: 1/8"=1'

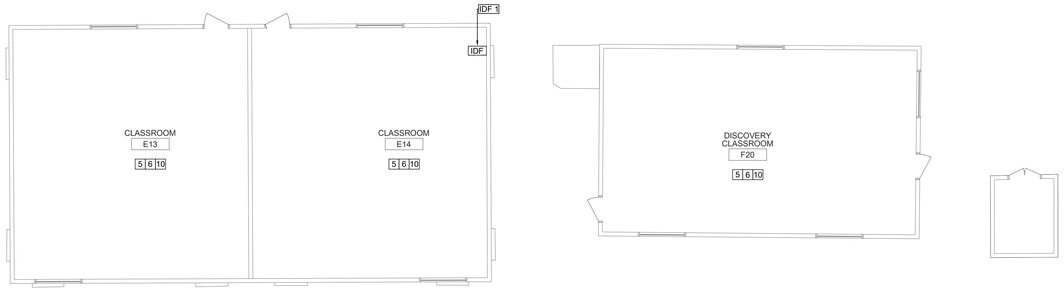
0 4 8 12 16



TECHNOLOGY DEMO SITE PLAN - IDF 2

SCALE: 1/8"=1'

0 4 8 12 16



TECHNOLOGY DEMO SITE PLAN - IDF 1

SCALE: 1/8"=1'

0 4 8 12 16

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

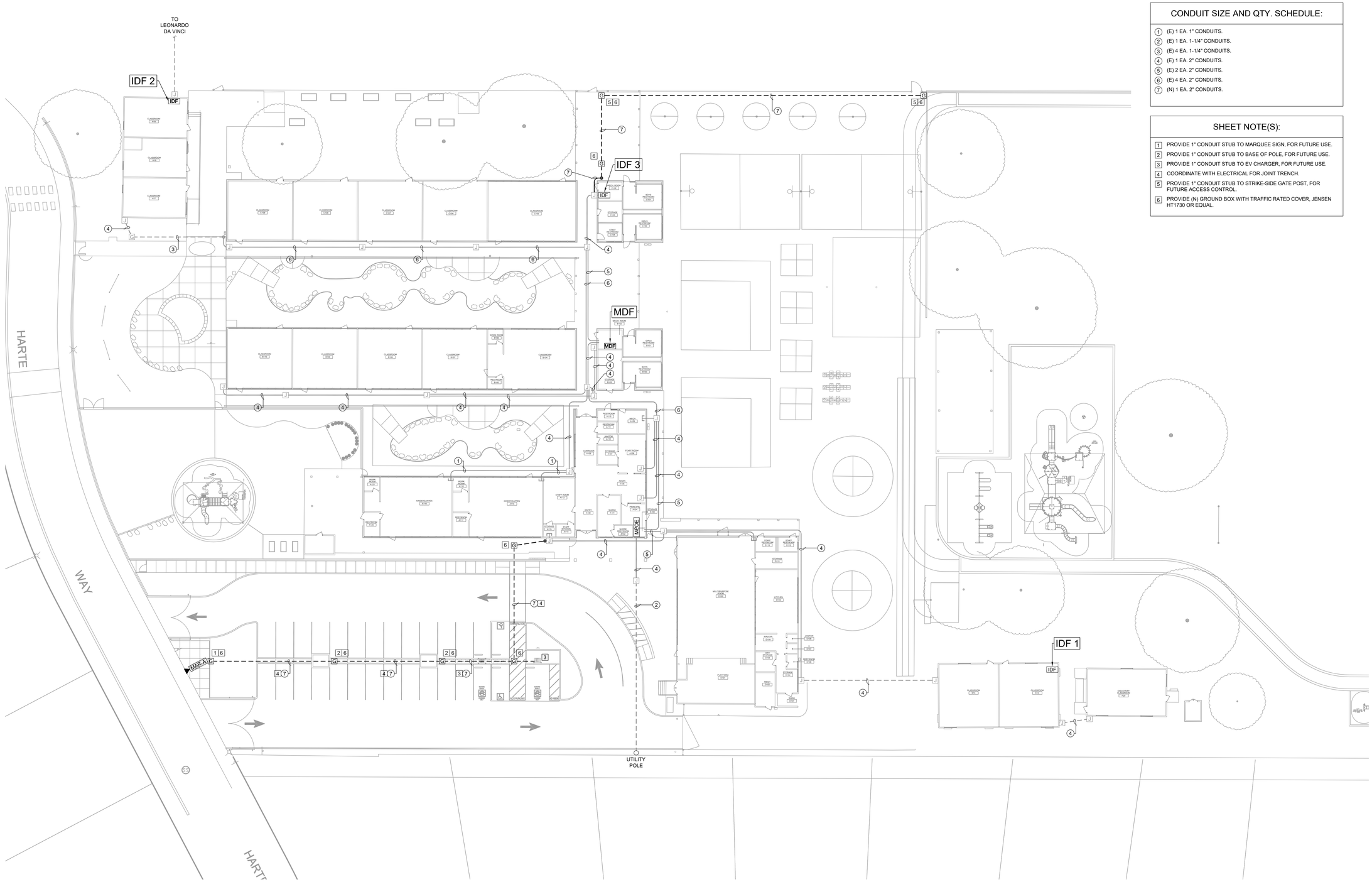
JOB NO.: Y2421.00

SHEET TITLE

TECHNOLOGY
DEMO SITE PLAN
IDF 1, 2 AND 3

SHEET NO.

T-052



GENERAL NOTE(S):

1. ALL EQUIPMENT IS TO BE NEW, CONTRACTOR FURNISHED / CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND / OR SCHEDULES.
2. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

CONDUIT SIZE AND QTY. SCHEDULE:

1. (E) 1 EA. 1" CONDUITS.
2. (E) 1 EA. 1-1/4" CONDUITS.
3. (E) 4 EA. 1-1/4" CONDUITS.
4. (E) 1 EA. 2" CONDUITS.
5. (E) 2 EA. 2" CONDUITS.
6. (E) 4 EA. 2" CONDUITS.
7. (N) 1 EA. 2" CONDUITS.

SHEET NOTE(S):

1. PROVIDE 1" CONDUIT STUB TO MARQUEE SIGN, FOR FUTURE USE.
2. PROVIDE 1" CONDUIT STUB TO BASE OF POLE, FOR FUTURE USE.
3. PROVIDE 1" CONDUIT STUB TO EV CHARGER, FOR FUTURE USE.
4. COORDINATE WITH ELECTRICAL FOR JOINT TRENCH.
5. PROVIDE 1" CONDUIT STUB TO STRIKE-SIDE GATE POST, FOR FUTURE ACCESS CONTROL.
6. PROVIDE (N) GROUND BOX WITH TRAFFIC RATED COVER, JENSEN HT1730 OR EQUAL.

TECHNOLOGY NEW SITE PLAN

SCALE: 1"=20'

0 20 40

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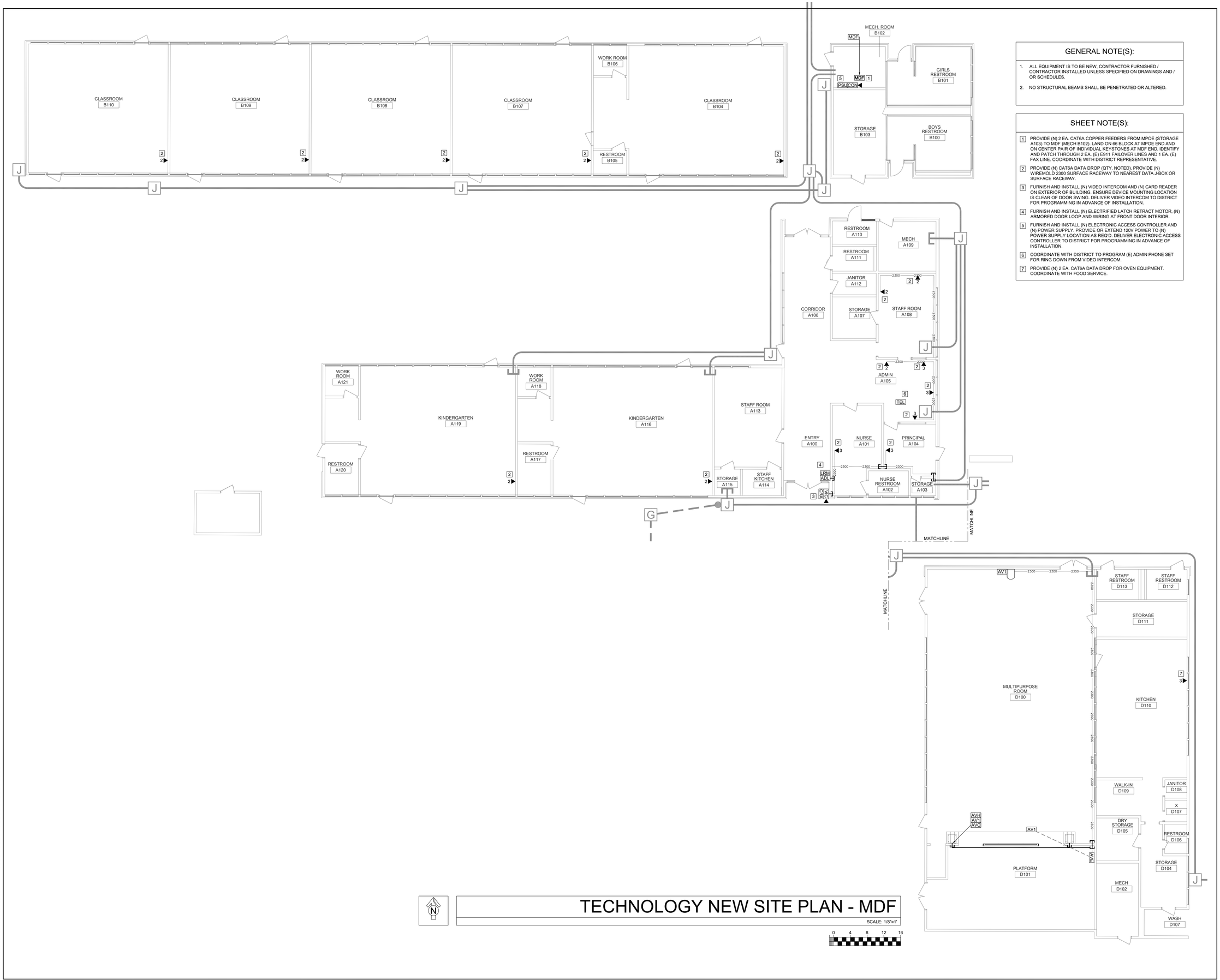
SHEET TITLE

TECHNOLOGY NEW SITE PLAN

SHEET NO.

T100



TECHNOLOGY NEW SITE PLAN - MDF

SCALE: 1/8"=1'

GENERAL NOTE(S):

1. ALL EQUIPMENT IS TO BE NEW, CONTRACTOR FURNISHED / CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND / OR SCHEDULES.
2. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

SHEET NOTE(S):

1. PROVIDE (N) 2 EA. CAT6A COPPER FEEDERS FROM MPOE (STORAGE A103) TO MDF (MECH B102). LAND ON 66 BLOCK AT MPOE END AND ON CENTER PAIR OF INDIVIDUAL KEYSTONES AT MDF END. IDENTIFY AND PATCH THROUGH 2 EA. (E) E911 FAILOVER LINES AND 1 EA. (E) FAX LINE. COORDINATE WITH DISTRICT REPRESENTATIVE.
2. PROVIDE (N) CAT6A DATA DROP (QTY. NOTED). PROVIDE (N) WIREMOLD 2300 SURFACE RACEWAY TO NEAREST DATA J-BOX OR SURFACE RACEWAY.
3. FURNISH AND INSTALL (N) VIDEO INTERCOM AND (N) CARD READER ON EXTERIOR OF BUILDING. ENSURE DEVICE MOUNTING LOCATION IS CLEAR OF DOOR SWING. DELIVER VIDEO INTERCOM TO DISTRICT FOR PROGRAMMING IN ADVANCE OF INSTALLATION.
4. FURNISH AND INSTALL (N) ELECTRIFIED LATCH RETRACT MOTOR, (N) ARMORED DOOR LOOP AND WIRING AT FRONT DOOR INTERIOR.
5. FURNISH AND INSTALL (N) ELECTRONIC ACCESS CONTROLLER AND (N) POWER SUPPLY. PROVIDE OR EXTEND 120V POWER TO (N) POWER SUPPLY LOCATION AS REQ'D. DELIVER ELECTRONIC ACCESS CONTROLLER TO DISTRICT FOR PROGRAMMING IN ADVANCE OF INSTALLATION.
6. COORDINATE WITH DISTRICT TO PROGRAM (E) ADMIN PHONE SET FOR RING DOWN FROM VIDEO INTERCOM.
7. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR OVEN EQUIPMENT. COORDINATE WITH FOOD SERVICE.

DIVISION OF THE STATE ARCHITECT

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

TECHNOLOGY
NEW SITE PLAN
- MDF

SHEET NO.

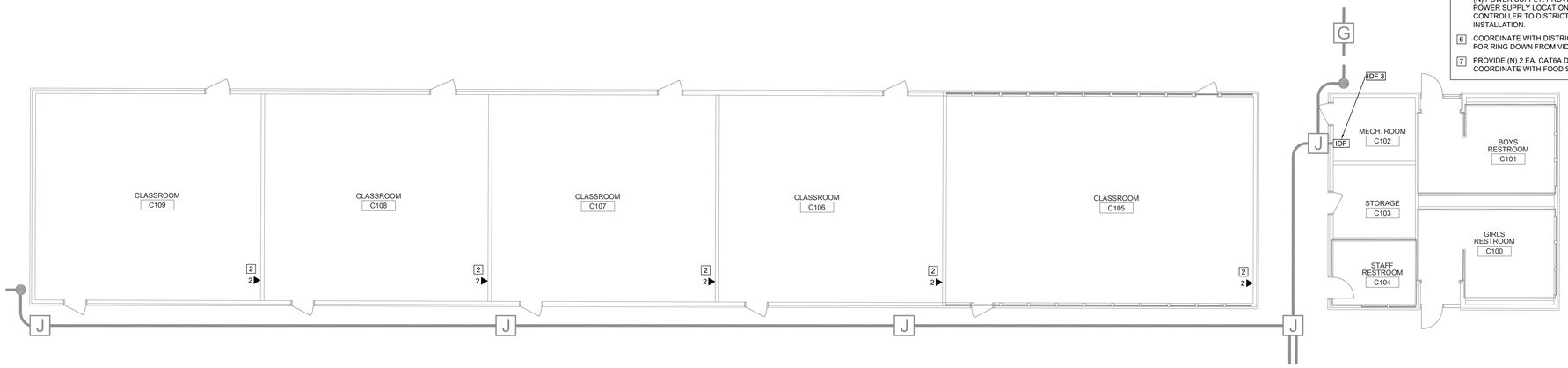
T-101

GENERAL NOTE(S):

1. ALL EQUIPMENT IS TO BE NEW, CONTRACTOR FURNISHED / CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND / OR SCHEDULES.
2. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

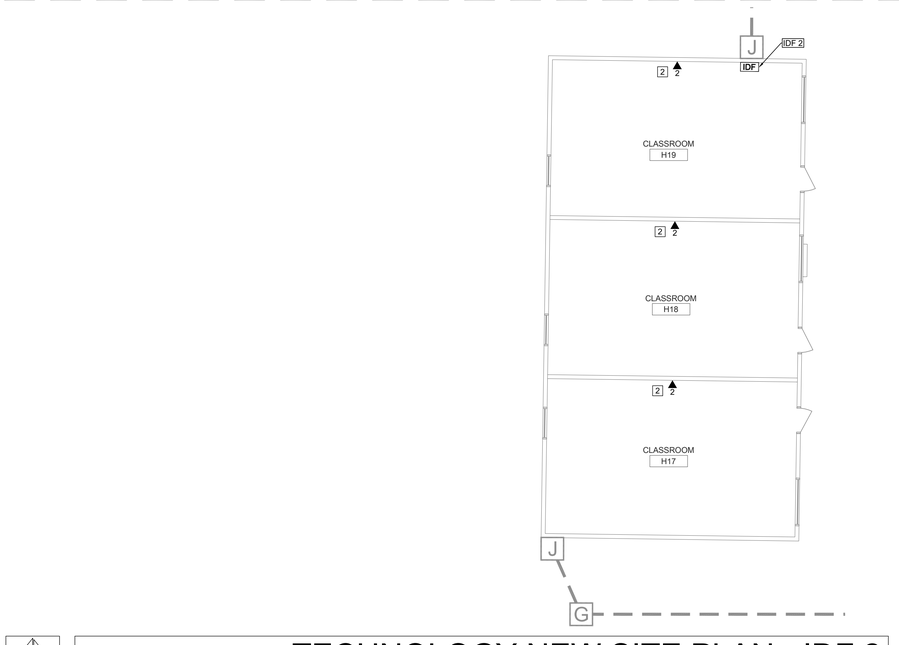
SHEET NOTE(S):

1. PROVIDE (N) 2 EA. CAT6A COPPER FEEDERS FROM MPOE (STORAGE A103) TO MDF (MECH B102). LAND ON 66 BLOCK AT MPOE END AND ON CENTER PAIR OF INDIVIDUAL KEYSTONES AT MDF END. IDENTIFY AND PATCH THROUGH 2 EA. (E) E911 FAILOVER LINES AND 1 EA. (E) FAX LINE. COORDINATE WITH DISTRICT REPRESENTATIVE.
2. PROVIDE (N) CAT6A DATA DROP (QTY. NOTED). PROVIDE (N) WIREMOLD 2300 SURFACE RACEWAY TO NEAREST DATA J-BOX OR SURFACE RACEWAY.
3. FURNISH AND INSTALL (N) VIDEO INTERCOM AND (N) CARD READER ON EXTERIOR OF BUILDING. ENSURE DEVICE MOUNTING LOCATION IS CLEAR OF DOOR SWING. DELIVER VIDEO INTERCOM TO DISTRICT FOR PROGRAMMING IN ADVANCE OF INSTALLATION.
4. FURNISH AND INSTALL (N) ELECTRIFIED LATCH RETRACT MOTOR, (N) ARMORED DOOR LOOP AND WIRING AT FRONT DOOR INTERIOR.
5. FURNISH AND INSTALL (N) ELECTRONIC ACCESS CONTROLLER AND (N) POWER SUPPLY. PROVIDE OR EXTEND 120V POWER TO (N) POWER SUPPLY LOCATION AS REQ'D. DELIVER ELECTRONIC ACCESS CONTROLLER TO DISTRICT FOR PROGRAMMING IN ADVANCE OF INSTALLATION.
6. COORDINATE WITH DISTRICT TO PROGRAM (E) ADMIN PHONE SET FOR RING DOWN FROM VIDEO INTERCOM.
7. PROVIDE (N) 2 EA. CAT6A DATA DROP FOR OVEN EQUIPMENT. COORDINATE WITH FOOD SERVICE.



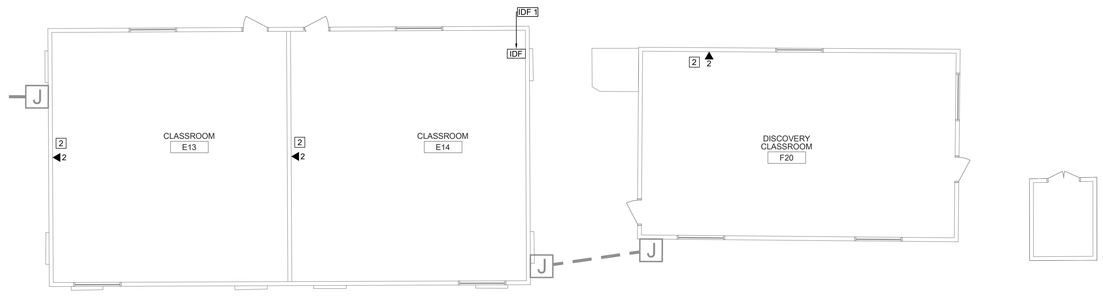
TECHNOLOGY NEW SITE PLAN - IDF 3

SCALE: 1/8"=1'



TECHNOLOGY NEW SITE PLAN - IDF 2

SCALE: 1/8"=1'



TECHNOLOGY NEW SITE PLAN - IDF 1

SCALE: 1/8"=1'

DIVISION OF THE STATE ARCHITECT

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ARCHITECT

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REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

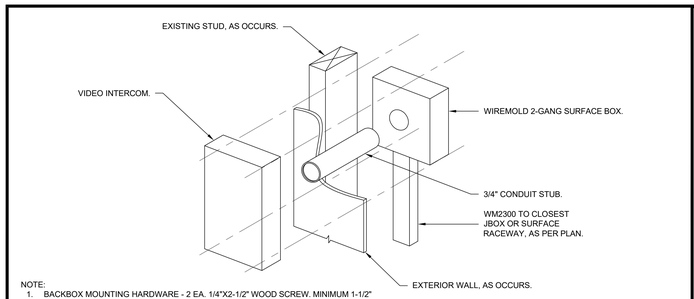
JOB NO.: Y2421.00

SHEET TITLE

TECHNOLOGY
NEW SITE PLAN
IDF 1, 2 AND 3

SHEET NO.

T-102

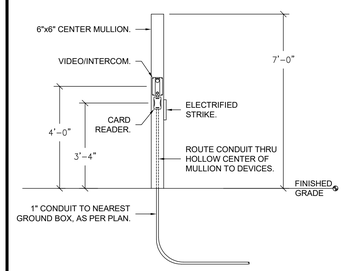


NOTE:
1. BACKBOX MOUNTING HARDWARE - 2 EA. 1/4"X2-1/2" WOOD SCREW. MINIMUM 1-1/2" EMBEDMENT INTO JOIST/BEAM.

15 EXTERIOR VIDEO INTERCOM MOUNTING DETAIL
SCALE: NONE

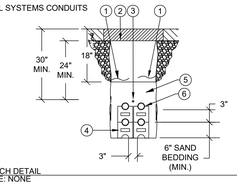
NOT USED

NOT USED



5 VIDEO / INTERCOM / ELEC. ACCESS CONTROL IN GATE MULLION DETAIL
SCALE = NONE

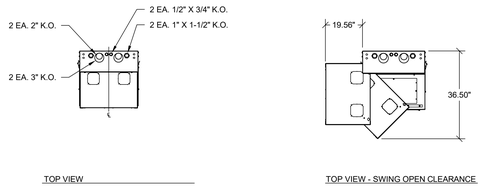
1. PLASTIC WARNING TAPE
2. LAST 12" AB MATERIAL AT 95% COMPACTION FOR ASPHALT AND CONCRETE, 90% FOR PLANTED AREAS
3. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGHOUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUND BOX.
4. BOTTOM AND MIDDLE PLASTIC SPACERS EVERY 5'-0" SHALL BE USED WHERE CONDUITS HAVE TO BE STACKED ON TOP OF ONE ANOTHER DUE TO SPACE LIMITATIONS.
5. SAND AT 90% COMPACTION
6. SIGNAL SYSTEMS CONDUITS



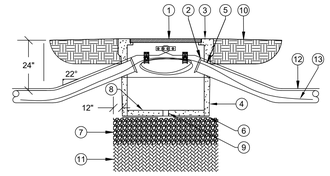
4 TRENCH DETAIL
SCALE: NONE

NOT USED

NOT USED

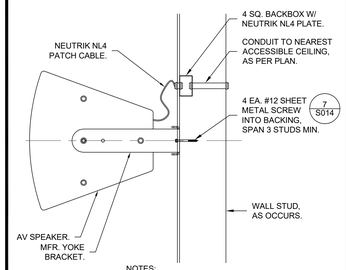


1. LID PER, TYPE PER GROUND BOX DETAIL
2. BELL ENDS TYP.
3. PRE CAST REINFORCED CONCRETE BOX, SIZE PER PLANS
4. PRE CAST REINFORCED CONCRETE EXTENSIONS AS REQUIRED
5. SEAL AROUND CONDUIT, BOX & JUNCTION OF EXTENSION(S) WITH MORTAR
6. VAPOR RETARDER
7. 12" CRUSHED ROCK
8. REINFORCED CONCRETE BOTTOM
9. 1" DRAIN HOLE
10. FINISHED GRADE, SLOPE 1/8" OVER 12" EXTEND 4'-0"
11. COMPACTED SOIL
12. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGH OUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUNDBOX.
13. ALL SERVICE LOOPS AND PULL STRINGS TO BE SECURELY AND NEATLY ATTACHED TO WALLS OF GROUND BOX WITH NO CABLES LEFT ON THE BOTTOM OF THE BOX.



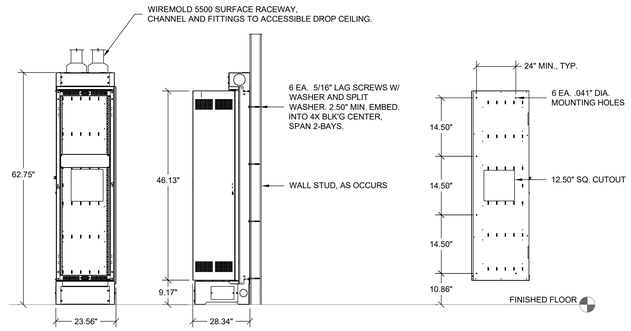
3 GROUND PULL BOX DETAIL
SCALE: NONE

NOT USED



NOTES:
1. TOTAL ASSEMBLY WEIGHT = 73.3LBS.

11 AV SPEAKER BRACKET DETAIL
SCALE: NONE



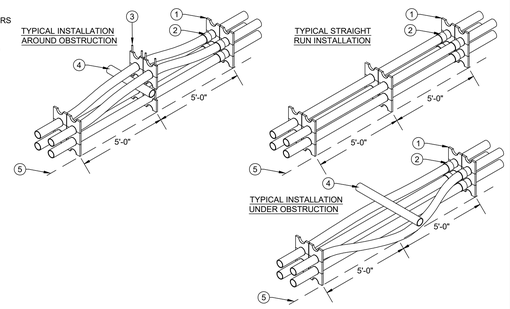
NOTES:
1. TOTAL ASSEMBLY WEIGHT = 800LBS.

7 TELECOMMUNICATIONS RACK, WALL SWING, 40RU-32" DEEP (500 LBS. MAX LOADING)
SCALE: NONE

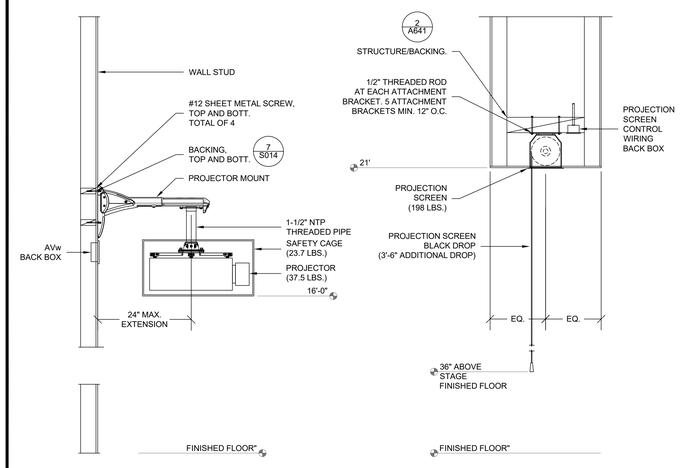
1. BOTTOM & MIDDLE PLASTIC SPACERS EVERY 5' SHALL BE USED WHERE CONDUITS HAVE TO BE STACKED ON TOP OF ONE ANOTHER DUE TO SPACE LIMITATIONS.
2. COUPLING
3. REINFORCING STEEL RODS
4. OBSTRUCTION
5. TRENCH BOTTOM

NOTES:
1. USE THESE DETAILS TO AVOID CONFLICTS WITH EXISTING OR NEW OBSTRUCTIONS.

2. SPACE SIGNAL AND COMMUNICATION CONDUIT 12" FROM POWER CONDUIT (ABOVE 120V) AND 3" FROM ALL OTHER CONDUIT.

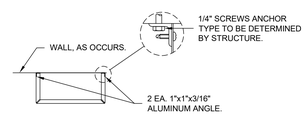


2 CONDUIT TRANSITION DETAIL
SCALE: NONE

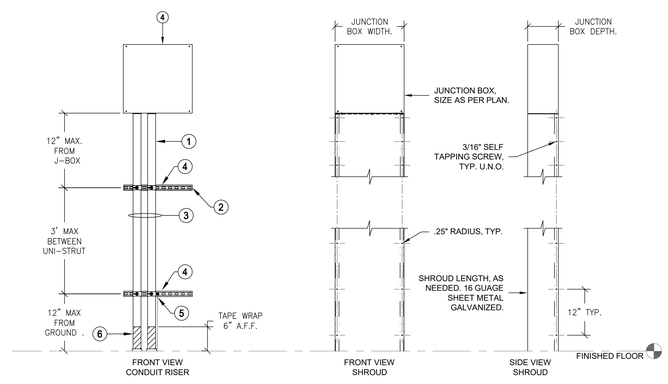


10 AUDIO-VISUAL PROJECTOR AND PROJECTION SCREEN MOUNTING DETAIL
SCALE: NONE

1. INSTALL CONDUIT AS CLOSE AS POSSIBLE AND TO ONE SIDE OF J-BOX TO ACCOMMODATE FUTURE INSTALLATIONS
2. UNI-STRUT TO BE CUT THE SAME LENGTH AS J-BOX.
3. RIGID CONDUIT.
4. CAULKING ACCORDING TO FIRE RATING-TYPICAL.
5. 10 AWG WIRE OR METAL TRACING TAPE PLACED ON TOP OF CONDUITS AND CONTINUOUS THROUGHOUT ENTIRE TRENCH LENGTH AND TERMINATING ON RISER UNISTRUT OR GROUNDING BAR IN GROUND BOX.
6. FLEX BETWEEN RISER AND GROUND CONDUIT.



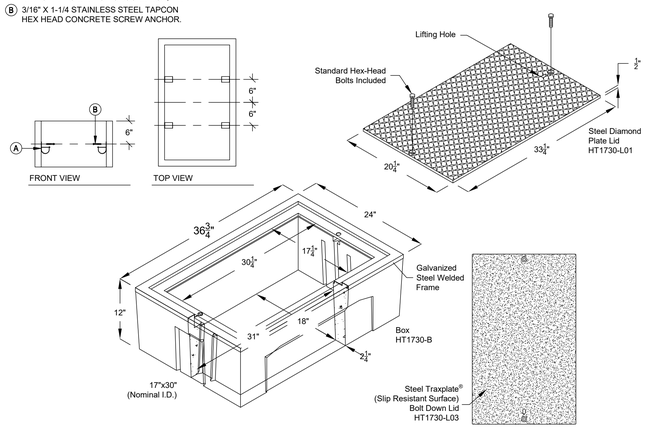
TOP VIEW



NOTE:
1. PAINT SHROUD TO MATCH EXISTING BUILDING.

6 WALL MOUNTED JUNCTION BOX WITH CONDUIT RISER AND SHROUD DETAIL
SCALE: NONE

A. J-HOOK, 2" CADDY (P/N CAT32), MOUNT DIRECTLY TO SIDE OF GROUND BOX, TYP.
B. 3/16" X 1-1/4 STAINLESS STEEL TAPCON HEX HEAD CONCRETE SCREW ANCHOR.



MFG.	PART NO.	PRODUCT	DESCRIPTION	APPROX. WEIGHT	QTY. PER PALLET
JENSEN*	HT1730-B	BOX	17"x30"x12" Concrete Traffic Rated Box (Comes Standard With Hex Bolts)	290	6
JENSEN*	HT1730-E	EXTENSION	17"x30"x12" Concrete Extension	288	6
JENSEN*	HT1730-L01	LID	Steel Diamond Plate Bolt Down Lid	105	
JENSEN*	HT1730-L03	LID	Steel Traxplate® Bolt Down Slip Resistant Traffic Rated Lid	105	
* OR APPROVED EQUAL					

1 IN-GROUND PULL BOX DETAIL - G1
SCALE: NONE

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SHEET TITLE

TECHNOLOGY DETAILS

SHEET NO.

T-501

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

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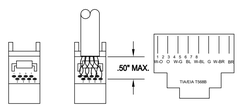
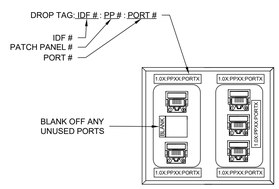
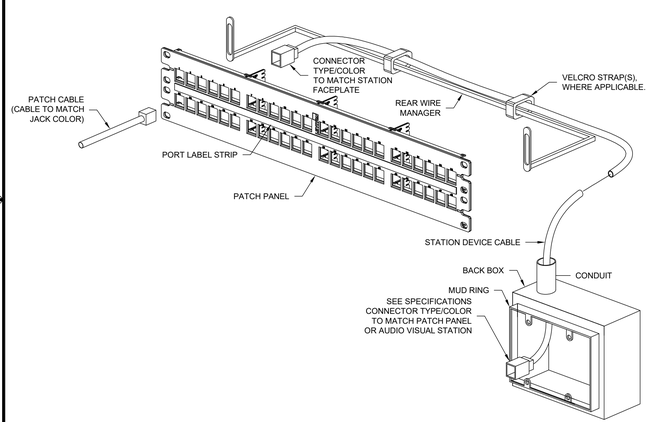


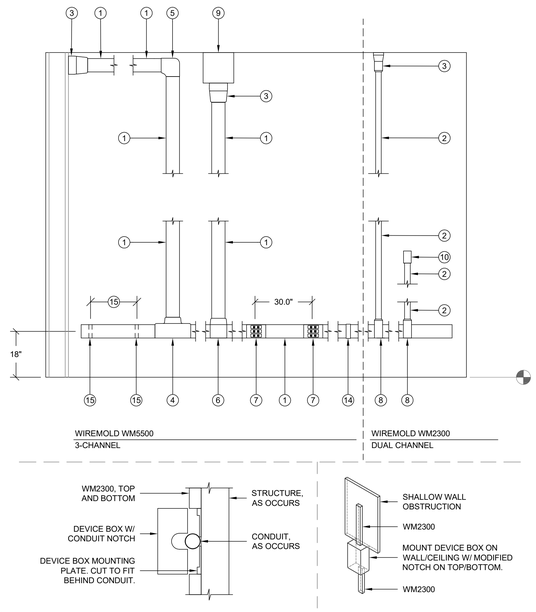
DATA CABLE LABELING DETAIL - AT PATCH PANEL / END POINT



DATA/ VOICE BACKBOX AND FACE PLATE DETAIL



8 PATCH PANEL CONNECTION DETAIL - 2RU
SCALE: NONE



4 TYPICAL SURFACE MOUNTED RACEWAY W/ ASSEMBLY COMPONENTS DETAIL
SCALE: NONE

WIREMOLD SURFACE RACEWAY

SYMBOL	DESCRIPTION	WM5500 PART NUMBER	WM2300 PART NUMBER
1	WIREMOLD WM5500	5500	N/A
2	WIREMOLD WM2300	N/A	2300
3	ENTRANCE END FITTING	5510D	2310A
4	FULL CAPACITY TEE (FIBER READY)	N/A	N/A
5	FULL CAPACITY FLAT ELBOW 90°	5511F0	2311DFO
6	TEE	5515	2315
7	DEVICE BRACKET W/ DUAL RJ FACEPLATE, DUPLEX FACEPLATE OR BLACK FACEPLATE AS NEEDED	5550 / 5507FRJ / 5507D / 5507B	5474 / 5574
8	TRANSITION FITTING FOR WM2300	5574	2348
9	WALL MOUNTED PULL BOX SIZE AS NOTED PER PLAN	N/A	2300
10	DEVICE BOX	N/A	2348
11	END CAP	5510	2310B
12	INTERNAL ELBOW	5517FO	2317DFO
13	EXTERNAL ELBOW	5518FO	2318DFO
14	BASE SEAM COVER	5506	2306
15	WIRE CLIP	5500WC (INSTALL CLIPS AT 48" O.C. ENTIRE LENGTH OF WIREMOLD)	2300WC (INSTALL CLIPS AT 48" O.C. ENTIRE LENGTH OF WIREMOLD)
16	TRANSITION FITTING FOR WM5500 TO WM5400	5574A	N/A

NOTE:
1) DEVICE BOX (10) TO BE USED TO TRANSITION OVER CONDUIT AND SHALLOW WALL OBSTRUCTIONS (I.E. BULLETIN BOARD, TRIM, CASEWORK, ETC.) WHERE REQUIRED. UNDER NO CIRCUMSTANCES SHOULD SURFACE RACEWAY BE BENT OVER OBSTRUCTIONS.

NOTES:
1. MAXIMUM OF 1" SPACING BETWEEN PARALLEL CONDUITS WHERE APPLICABLE.

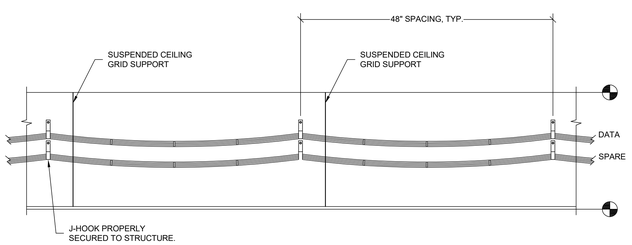
3 CONDUIT SUPPORT DETAIL - VERTICAL
SCALE: NONE

NOT USED

NOT USED

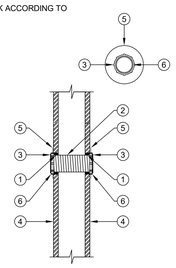
NOT USED

NOT USED



7 J-HOOK PATHWAY ABOVE CEILING DETAIL
SCALE: NONE

1. DRAFT STOP OR FIRE CAULK ACCORDING TO NFPA REQUIREMENTS
2. THREADED, RIGID, CONDUIT
3. SCREW ON BUSHING
4. WALL
5. REDUCING WASHER OR PLATE
6. SCREW ON LOCKING RINGS FRONT & BACK (TYP.)



2 CONDUIT SLEEVE PENETRATION DETAIL
SCALE = NONE

NOT USED

NOT USED

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION

4915 Harte Way,
Sacramento, CA 95822

Sacramento City Unified School District

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

JOB NO.: Y2421.00

SHEET TITLE

TECHNOLOGY DETAILS

SHEET NO.

T-502

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814)
and ANSI/UL263 (ASTM E119)

CLIV.R14288
Wall-opening Protective Materials

SpecSeal Power Shield Box Inserts, for use with flush device UL Listed Metallic Outlet Boxes without internal clamps installed with steel mud rings in framed wall assemblies. When protective material is used in outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the boxes are not installed back-to-back. Installation shall comply with the National Electrical Code (NFPA 70). The max outlet box dimensions, hourly rating, type of stud, use of stud cavity insulation and type of faceplate are tabulated below. Additional general construction features shall comply as follows:

A. Studs - Unless otherwise specified, the minimum stud width is 3-1/2 in. (89 mm).

B. Stud Cavity Insulation - Where indicated in the table below, stud cavity insulation to consist of min 3-1/2 in. (89 mm) thick fiberglass (min 0.5 pcf or 8 kg/m3) or mineral fiber (min 4 pcf or 64 kg/m3). Unless indicated as required, stud cavity insulation is optional.

C. Wall Design - Stud composition is indicated in the table below. Wall construction shall comply with the individual U300, U400 or V400 Series Wall and Partition Design in the Fire Resistance Directory.

D. Pad Dimensions - The minimum dimensions of the insert pad are shown in the table below. Pads may be cut to achieve dimensions shown in table and partial insert pads may be utilized.

Product	Max Outlet Box Size, in. (mm)	Outlet Box Type	Outlet Box Mfr	Pad Size, in. (mm)	Rating, hr	Stud	Cavity Insulation	Face Plate Type	Putty Ball
EP 23	2 x 3 x 2-1/4 (51 x 76 x 57) deep	-	-	1-7/8 x 2-3/4 (48 x 70)	2	Steel	No	Steel	-
EP 23	2 x 3 x 2-1/4 (51 x 76 x 57) deep	-	-	1-7/8 x 2-3/4 (48 x 70)	2	Steel	Yes	Plastic	-
EP 23	2 x 3 x 2-1/4 (51 x 76 x 57) deep	-	-	1-7/8 x 2-3/4 (48 x 70)	1	Steel or Wood	Yes	Plastic or Steel	-
EP 24	2-1/8 x 4 x 2-1/8 (54 x 102 x 54) deep	-	-	1-7/8 x 3-3/4 (48 x 95)	2	Steel	No	Steel	-
EP 24	2-1/8 x 4 x 2-1/8 (54 x 102 x 54) deep	-	-	1-7/8 x 3-3/4 (48 x 95)	2	Steel	Yes	Plastic	-
EP 24	2-1/8 x 4 x 2-1/8 (54 x 102 x 54) deep	-	-	1-7/8 x 3-3/4 (48 x 95)	1	Steel or Wood	Yes	Plastic or Steel	-
EP 44	4 x 4 x 2-1/8 (102 x 102 x 54) deep	-	-	3-3/4 x 3-3/4 (95 x 95)	2	Steel	No	Steel	-
EP 44	4 x 4 x 2-1/8 (102 x 102 x 54) deep	-	-	3-3/4 x 3-3/4 (95 x 95)	2	Steel	Yes	Plastic	-
EP 44	4 x 4 x 2-1/8 (102 x 102 x 54) deep	-	-	3-3/4 x 3-3/4 (95 x 95)	1	Steel or Wood	Yes	Plastic or Steel	-
EP 45	4-11/16 x 4-11/16 x 2-1/8 (119 x 119 x 54) deep	-	-	4-1/2 x 4-1/2 (114 x 114)	1 or 2	Steel or Wood	Yes	Plastic or Steel	-
EP 45	4-1/2 x 6 x 2-3/8 (114 x 127 x 60) deep	-	-	4-1/2 x 4-1/2 (114 x 114)	1 or 2	Steel or Wood	Yes	Plastic or Steel	-
EP 45	4-1/2 x 14 x 2-1/2 (114 x 356 x 64) deep	-	-	4-1/2 x 13-3/4 (114 x 349)	1 or 2	Steel or Wood	Yes	Plastic or Steel	-

SpecSeal Putty Pads, for use with flush device UL Listed Metallic Outlet Boxes installed with steel mud rings or UL Listed Nonmetallic Outlet Boxes in framed wall assemblies. When protective material is used on outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the boxes are not installed back-to-back. Installation shall comply with the National Electrical Code (NFPA 70). Min 3/16 in. (5 mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An additional 3/16 in. (5 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box. When nonmetallic box is used with Type NM cable, a 3/16 in. (5 mm) thickness of putty shall be formed around the cable at its connection to the box and extending a min of 1 in. (25 mm). The box composition, max device dimensions, hourly rating, type of stud and type of faceplate are tabulated below. Additional general construction features shall comply as follows:

A. Studs - Unless otherwise specified, the minimum stud width is 3-1/2 in. (89 mm).

B. Stud Cavity Insulation - Unless indicated as required, stud cavity insulation is optional and may consist of min 3-1/2 in. (89 mm) thick fiberglass (min 0.5 pcf or 8 kg/m3) or mineral fiber (min 4 pcf or 64 kg/m3).

C. Wall Design - Stud composition is indicated in the table below. Wall construction shall comply with the individual U300, U400 or V400 Series Wall and Partition Design in the Fire Resistance Directory.

D. Metallic Outlet Boxes - Except as indicated in the table below, when steel outlet boxes are used and the boxes are interconnected by means of electrical metallic tube or conduit, a ball of putty is to be installed to plug the open end of each electrical metallic tube (EMT) or conduit within the outlet box. When MC cable is used and/or when the outlet boxes are not interconnected, the ball of putty is not required.

E. Nonmetallic Outlet Boxes - The box manufacturer is indicated in the table below. Boxes shall bear a 2 hr rating under the "Outlet Boxes and Fittings Classified for Fire Resistance" category in the Fire Resistance Directory.

Model	Max Outlet Box Size, in. (mm)	Outlet Box Type	Outlet Box Mfr	Pad Size in. (mm)	Rating hr	Stud	Cavity Insulation	Face Plate Type	Putty Ball
-	4 x 4 x 2-1/8 (102 x 102 x 54) deep	Steel	N.A.	-	1	Steel or Wood	-	Steel	No
-	4 x 4 x 2-1/8 (102 x 102 x 54) deep	Steel	N.A.	-	1	Steel or Wood	-	Plastic	Yes
-	4-11/16 x 4-11/16 x 2-1/8 (119 x 119 x 54) deep	Steel	N.A.	-	1 or 2	Steel or Wood	-	Steel	Yes
-	4-1/2 x 6 x 2-3/8 (114 x 127 x 60) deep	Steel	N.A.	-	1 or 2	Steel or Wood	-	Steel	Yes
-	4-1/2 x 14 x 2-1/2 (114 x 127 x 60) deep	Steel	N.A.	-	1 or 2	Steel or Wood	-	Steel	Yes
-	4 x 4 x 2 (95 x 102 x 76) deep	Polyvinyl Chloride	Lamson & Sessions or Carlon	-	1 or 2	Wood	-	Plastic or Steel	N.A.
-	3-3/4 x 4 x 3 (95 x 102 x 76) deep	Phenolic	Allied Moulded Prods	-	1 or 2	Wood	-	Plastic or Steel	N.A.
-	3-3/4 x 4 x 3 (95 x 102 x 76) deep	Polycarbonate	Thomas & Betts	-	1 or 2	Wood	-	Plastic or Steel	N.A.
-	3-3/4 x 4 x 3 (95 x 102 x 76) deep	Phenolic	Thomas & Betts	-	1 or 2	Wood	-	Plastic or Steel	N.A.
-	2-1/4 x 3-3/4 x 2-3/4 (57 x 95 x 70) deep	Polyvinyl Chloride	Pass & Seymour	-	1 or 2	Wood	-	Plastic or Steel	N.A.

SpecSeal Putty Pads , for use with maximum 4 by 4 by 2-1/8 in. (102 by 102 by 54 mm) deep flush device UL Listed Metallic Outlet Boxes installed with steel mud rings and with steel faceplates in 1 hr or 2 hr fire rated gypsum board wall assemblies constructed with min 5-1/2 in. (140 mm) wide wood or steel studs and with stud cavities filled with fiberglass (nom 0.5 pcf or 8 kg/m3) or mineral fiber (nom 4 pcf or 64 kg/m3) insulation. When protective material is used on outlet boxes on both sides of the wall as directed, the boxes may be installed back-to-back provided that the boxes on opposite sides of the wall are not interconnected with conduit or, when interconnected, the open end of the conduit within the outlet box is filled with a ball of putty. Installation shall comply with the National Electrical Code (NFPA 70). Min 3/16 in. (5 mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An additional 3/16 in. (5 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box.

SpecSeal EP23, EP24 and EP44 Power Shield Box Inserts and SpecSeal Putty Pads, for use with maximum 4 by 4 by 1-1/2 or 2-1/8 in. (102 by 102 by 38 or 54 mm) deep flush device UL Listed Metallic Outlet Boxes installed with steel mud rings and with steel or plastic faceplates in 1 hr or 2 hr fire rated gypsum board wall assemblies constructed with min 3-1/2 in. (89 mm) wide wood or steel studs. When both protective materials are used with outlet boxes on both sides of the wall as directed, the boxes may be installed back-to-back provided that the backs of the boxes are minimum 1/2 in. (13 mm) apart and provided that the boxes are not interconnected. Installation shall comply with the National Electrical Code (NFPA 70). Min 3/16 in. (5 mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An additional 3/16 in. (5 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box. An insert pad shall be installed to completely cover the back inside surface of each outlet box.

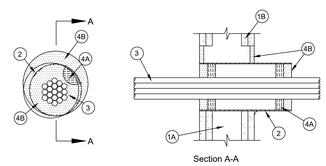
SpecSeal Putty Pads, for use with max 5 by 5 by 2 7/8 in. (127 by 127 by 73 mm) deep flush device UL Listed Metallic Outlet Boxes or UL Listed Communications-Circuit Accessories manufactured by Randl Industries Inc for use in 1 hr or 2 hr fire rated gypsum board wall assemblies framed with min 3-5/8 in. (92 mm) wide wood or steel studs and constructed as specified in the individual U300, U400, or V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory. Metallic outlet boxes to be provided with UL Listed Signal Appliance with steel cover plate manufactured by Cooper Wheelock Inc. Moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud unless otherwise noted) including nailing tabs and to completely seal against the stud within the stud cavity. Multiple moldable putty pads may be installed on an outlet box to attain the required minimum thickness of putty material. Additional putty material used to seal around each conduit and/or cable fitting on the exterior of each box. A min 3/16 in. (4.8 mm) thickness of putty material is required on the exterior surfaces of flush device boxes in 1 and 2 hr fire rated Wall and Partition Designs. When the moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the outlet boxes are not installed back to back, except as noted.

SpecSeal EP55 Power Shield Box Inserts, for use with max 5 by 5 by 2 7/8 in. (127 by 127 by 73 mm) deep flush device UL Listed Metallic Outlet Boxes or UL Listed Communications-Circuit Accessories manufactured by Randl Industries Inc for use in 1 hr or 2 hr fire rated gypsum board wall assemblies framed with min 3-5/8 in. (92 mm) wide wood or steel studs and constructed as specified in the individual U300, U400, or V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory. Metallic outlet boxes to be provided with UL Listed Signal Appliance with steel cover plate manufactured by Cooper Wheelock Inc. Power Shield Box Insert is to be applied to the back surface of the box and may be slit to accommodate communications-circuit accessories. When the Power Shield Box Insert is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the outlet boxes are not installed back to back, except as noted.

STI PENETRATION DETAIL
SCALE: NONE

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115 System No. W-L-3210

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 3/4 Hr	FT Rating - 3/4 Hr
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Rating - 3/4 Hr



1. Wall Assembly - The 1 or 2 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (76 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* - Thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, V300, U400 , V400 or W400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 6-1/2 in. (165 mm) when sleeve (Item 2) is installed. Max diam of opening is 4 in. (102 mm) when sleeve is not used.
   The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Sleeve - (Optional) - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT), steel conduit, Schedule 5 (or heavier) steel pipe sleeve or min 0.016 in. thick (0.41 mm, No. 28 ga) galv steel sleeve installed flush with wall surfaces. The annular space between the steel sleeve and periphery of opening shall be min 0 in. (continuous point contact) to max 2 in. (51 mm). When Schedule 5 steel pipe or EMT is used, sleeve may be installed flush with or extend up to 18 in. (46 cm) beyond one or both wall surfaces. Steel sleeve may be installed at an angle not greater than 45 degrees from perpendicular. Schedule 5 steel pipe or EMT sleeves may extend continuously beyond one wall surface. Sleeve to be rigidly supported when extending from the wall surfaces.

3. Cables - Aggregate cross-sectional area of cables in steel sleeve to be max 48 percent of the aggregate cross-sectional area of the opening or sleeve. Cables to be bundled and rigidly supported on both sides of wall assembly. When the sleeve (Item 2) is installed, the annular space between the cables and the sleeve shall be min 0 in. (point contact) to max 1-1/2 in. (38 mm). When the sleeve (Item 2) is not used, the annular space between the cables and the opening shall be a min 0 in. (point contact) to max 2 in. (51 mm). For maximum 16 in. (406 mm) diam (or smaller) pipes, annular space shall be min 0 in. (0 mm, point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of copper conductor cable may be used:
   A. Max 200 pair No. AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
   B. Max 3/C No. 2/0 AWG (or smaller) aluminum or copper conductor service entrance cable with PVC insulation and jacket.
   C. Max 3/C No. 8 AWG (or smaller) nonmetallic sheathed (Romex) cable with copper conductors, PVC insulation and jacket.
   D. Max 7/C No. 2/0 AWG (or smaller) multiconductor power and control cables with XLPE or PVC insulation and XLPE or PVC jacket.
   E. Max RG/U (or smaller) coaxial cable with fluorinated ethylene or plenum-rated insulation and jacketing.
   F. Max 62.5/48 fiber optic cable with PVC or plenum-rated insulation and jacketing.
   G. Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with PVC or plenum-rated insulation and jacket.
   H. Max 4/C No. 2/0 aluminum or copper conductor aluminum or steel Metal-Clad# or Armored-Clad# cable.
   I. Max ¾-in. (19 mm) copper ground cable with or without a PVC jacket.
4. Firestop System - The firestop system shall consist of the following:
   A. Packing Material - When required (See table in Item 4B), min 1 in. (25 mm) thickness of min 4.0 pcf (64 kg/m3) mineral wool batt insulation firmly packed into each end of sleeve as a permanent form. Packing material to be recessed from each end of sleeve as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* - Sealant or Putty - Fill material applied to appropriate thickness within steel sleeve, flush with edges of steel sleeve on both surfaces of wall. Min 1/2 in. (13 mm) thickness of fill material installed into annular space between sleeve and wall flush with both surfaces of the wall. Min 1/2 in. (13 mm) diam bead of sealant or "rope" of putty shall be applied around the perimeter of the sleeve on each side of the wall when sleeve extends beyond surface of wall and is installed at continuous point contact. See table below for fill material thickness requirements around cables.

Sealant or Putty Type	Thickness, in. (mm)	Packing Material Required
SpecSeal Series SSS Sealant or LCI Sealant	1/2 in. (13)	Yes
SpecSeal Series SSS Sealant or LCI Sealant	1 in. (25)	No
SpecSeal Putty	1 in. (25)	No

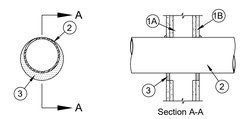
SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant, SpecSeal LCI Sealant or SpecSeal Putty

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

2 STI PENETRATION DETAIL
SCALE: NONE

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115 System No. W-L-1049

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Rating - 1 and 2 Hr (See Item 1)
T Rating - 0 Hr	FT Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/sq ft	FH Rating - 1 and 2 Hr (See Item 1)
L Rating At 400 F - Less Than 1 CFM/sq ft	FTH Rating - 0 Hr
	L Rating At Ambient - Less Than 1 CFM/sq ft
	L Rating At 400 F - Less Than 1 CFM/sq ft



1. Wall Assembly - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-5/8 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* - 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls.
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

1A. Metallic Sleeve - (Optional, Not Shown) - Cylindrical sleeve fabricated from min 0.016 in. (0.41 mm) to max 0.105 in. (2.7 mm) thick sheet steel. Length of steel sleeve to be equal to the thickness of wall. Longitudinal seam of sleeve welded or overlapped min 1 in. (25 mm). The ends of the steel sleeve shall be flush or recessed max 1/4 in. (6 mm) from wall surfaces.

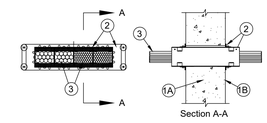
2. Through Penetrant - One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (0 mm, point contact) to max 2 in. (51 mm). For maximum 16 in. (406 mm) diam (or smaller) pipes, annular space shall be min 0 in. (0 mm, point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe - Nom 36 in. (914 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe - Nom 36 in. (914 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing, nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
   D. Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* - Sealant - Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At the point contact location between through penetrant and gypsum board, a min 3/8 in. (10 mm) diam bead of fill material shall be applied at the gypsum board/through penetrant interface on both surfaces of wall.
   SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

3 STI PENETRATION DETAIL
SCALE: NONE

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115 System No. W-J-3098

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 2 and 4 Hr (See Item 3)	F Ratings - 2 and 4 Hr (See Item 3)
T Ratings - 3/4 and 1 Hr (See Item 3)	FT Ratings - 3/4 and 1 Hr (See Item 3)
L Rating At Ambient - Less Than 1, 1.3, 4 or 7 CFM/Device Module (See Item 3)	FH Ratings - 2 and 4 Hr (See Item 3)
L Rating At 400 F - Less Than 1, 2 or 3 CFM/Device Module (See Item 3)	FTH Ratings - 3/4 and 1 Hr (See Item 3)
	L Rating At Ambient - Less Than 1, 1.3, 4 or 7 CFM/Device Module (See Item 3)
	L Rating At 400 F - Less Than 1, 2 or 3 CFM/Device Module (See Item 3)



1. Wall Assembly - Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Opening to be max 1/4 in. (6 mm) larger than width and height dimensions of firestop device(s).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Firestop Device* - One, two, three, four or seven firestop device modules ganged together. Each firestop device module consists of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. The space between the firestop device module(s) and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 1/8 in. (3.2 mm). In round openings, the space between the firestop device and the periphery of the opening shall be min 0 in. (point contact) to max 1/2 in. (13 mm). Firestop device module(s) secured in place by means of steel wire ties installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel set screws provided with device. Each firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. As an option, devices may be cast or grouted into wall assembly. When device is cast or grouted in place, the steel wall plates are optional.
   SPECIFIED TECHNOLOGIES INC - EZ PATH Series 33 Fire Rated Pathway

2A. Firestop Device* - Extension Module - (Optional, Not Shown) - Module attached to ends of 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long firestop device (Item 3) to increase its length to facilitate installation in thicker walls. Each module consists of a 3 by 3 by 6 in. (76 by 76 by 152 mm) long galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device or extension module(s) by means of steel set screws provided with wall plates. Firestop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond each surface of the wall assembly.
   SPECIFIED TECHNOLOGIES INC - EZ PATH Extension

3. Cables - Cables may represent a 0 to 100 percent visual fill within the loading area for each firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
   A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) jacketing and insulation.
   B. Max 350 kcmil single copper conductor power cable with XLPE jacket and insulation
   C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
   D. Max 3/C No. 10 AWG metal clad or armored cable with steel or aluminum jacket.
   E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
   F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
   G. Max RG/U coaxial cable with fluorinated ethylene insulation and jacketing.
   H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
   When Item 3A, 3B, 3C, 3D or 3E is used, the F and FH Ratings are 2 hr and the T, FT and FTH Ratings are 3/4 hr.
   When max 200 pair No. 24 AWG telecommunication cable is used or when Item 3F, 3G or 3H is used, the F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 1 hr.
   The L Rating for each empty firestop device module is less than 1 cfm at ambient and at 400F. When Item 3A is used, the L Rating for each firestop device module with 100 percent visual fill is 4 cfm at ambient and 3 cfm at 400F. When Item 3F is used, the L Rating for each firestop device module with 100 percent visual fill is 1.3 cfm at ambient and less than 1 cfm at 400F When Item 3G or 3H is used, the L Rating for each firestop device module with 100 percent visual fill is 7 cfm at ambient and 2 cfm at 400F.
   * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

4 STI PENETRATION DETAIL
SCALE: NONE

DIVISION OF THE STATE ARCHITECT

HOLLYWOOD PARK ELEMENTARY SCHOOL MODERNIZATION
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Sacramento, CA 95822

Sacramento City Unified School District

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

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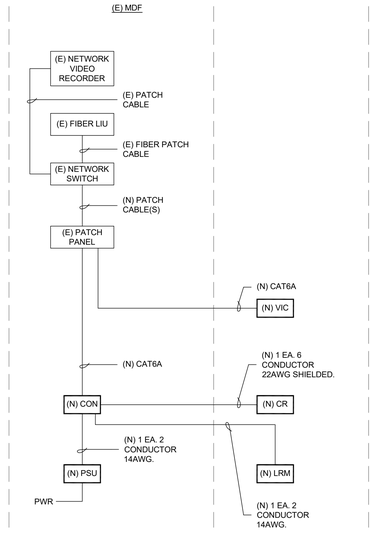
TECHNOLOGY DETAILS

SHEET NO.

T-503

NOT USED



1 ACCESS CONTROL SINGLE LINE DIAGRAM
SCALE = NONE

DIVISION OF THE STATE ARCHITECT

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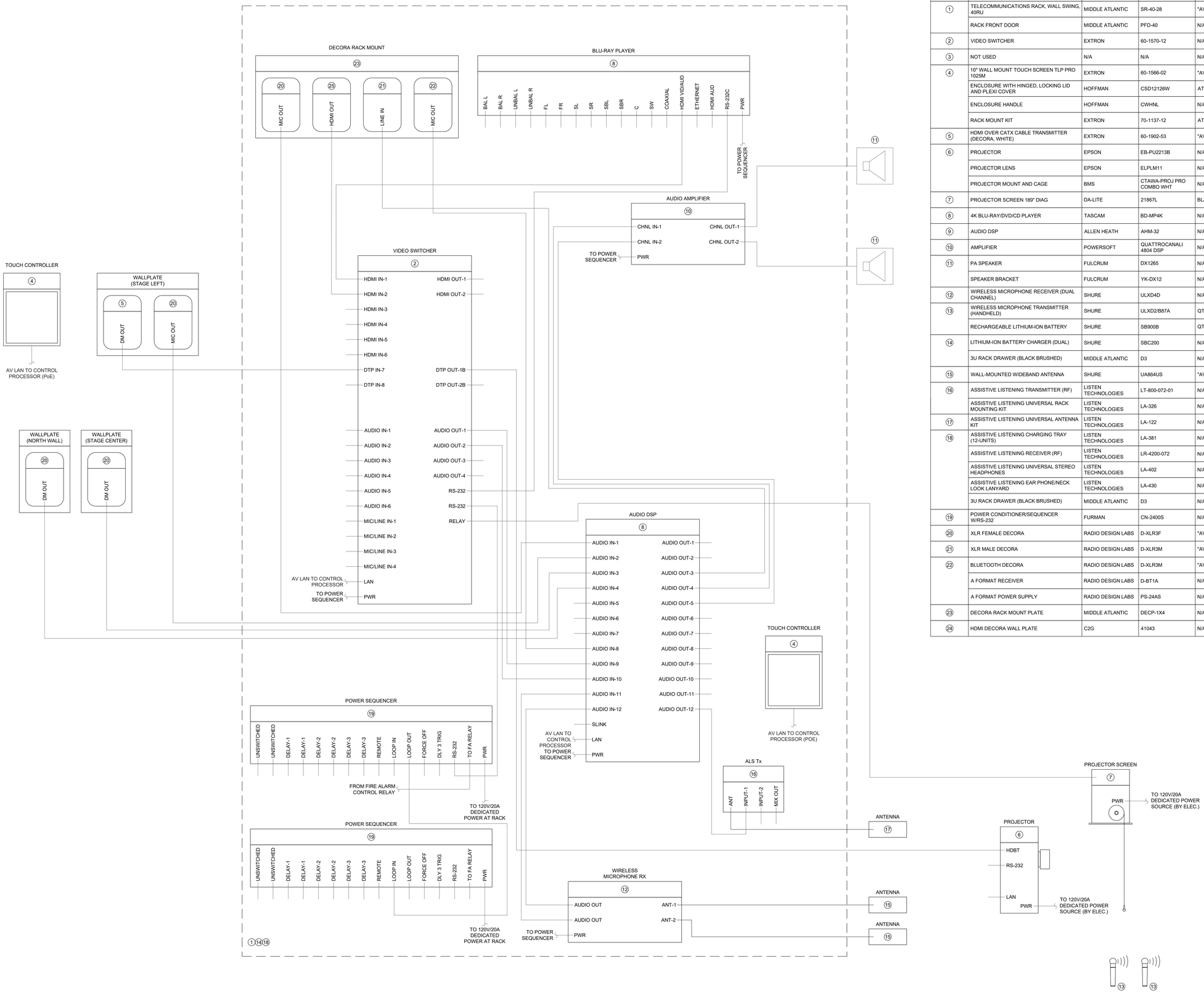
TECHNOLOGY
SINGLE LINE DIAGRAMS

SHEET NO.

T-601



EQUIPMENT SCHEDULE:

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

SYMBOL	DESCRIPTION	MFG/MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
1	TELECOMMUNICATIONS RACK, WALL SWING, 40RU	MIDDLE ATLANTIC	SR-40-28	"AVE" AVE
	RACK FRONT DOOR	MIDDLE ATLANTIC	PFD-40	N/A
2	VIDEO SWITCHER	EXTRON	60-1570-12	N/A 7/T-501
3	NOT USED	N/A	N/A	N/A
4	10" WALL MOUNT TOUCH SCREEN TLP PRO 1025M	EXTRON	60-1566-02	"AVC" AVC
	ENCLOSURE WITH HINGED, LOCKING LID AND PLEXI COVER	HOFFMAN	CSD12126W	AT FLOOR LOCATION ONLY
	ENCLOSURE HANDLE	HOFFMAN	CWHNL	N/A
	RACK MOUNT KIT	EXTRON	70-1137-12	AT RACK LOCATION ONLY
5	HDMI OVER CATX CABLE TRANSMITTER (DECORA, WHITE)	EXTRON	60-1902-53	"AVH" AVH
6	PROJECTOR	EPSON	EB-PU2213B	N/A
	PROJECTOR LENS	EPSON	ELPLM11	N/A
	PROJECTOR MOUNT AND CAGE	BMS	CTAWA-PROJ PRO COMBO WHT	N/A
7	PROJECTOR SCREEN 189" DIAG	DA-LITE	21867L	BLACK CASE
8	4K BLU-RAY/DVD/CD PLAYER	TASCAM	BD-MP4K	N/A
9	AUDIO DSP	ALLEN HEATH	AHM-32	N/A
10	AMPLIFIER	POWERSOFT	QUATTROCANALI 4804 DSP	N/A
11	PA SPEAKER	FULCRUM	DX1265	N/A
	SPEAKER BRACKET	FULCRUM	YK-DX12	N/A
12	WIRELESS MICROPHONE RECEIVER (DUAL CHANNEL)	SHURE	ULXD4D	N/A
13	WIRELESS MICROPHONE TRANSMITTER (HANDHELD)	SHURE	ULXD2/B87A	QTY = 2
	RECHARGEABLE LITHIUM-ION BATTERY	SHURE	SB900B	QTY = 2
14	LITHIUM-ION BATTERY CHARGER (DUAL)	SHURE	SBC200	N/A
	3U RACK DRAWER (BLACK BRUSHED)	MIDDLE ATLANTIC	D3	N/A
15	WALL-MOUNTED WIDEBAND ANTENNA	SHURE	UA864US	"AVA"
16	ASSISTIVE LISTENING TRANSMITTER (RF)	LISTEN TECHNOLOGIES	LT-800-072-01	N/A
	ASSISTIVE LISTENING UNIVERSAL RACK MOUNTING KIT	LISTEN TECHNOLOGIES	LA-326	N/A
17	ASSISTIVE LISTENING UNIVERSAL ANTENNA KIT	LISTEN TECHNOLOGIES	LA-122	N/A
18	ASSISTIVE LISTENING CHARGING TRAY (12-UNITS)	LISTEN TECHNOLOGIES	LA-381	N/A
	ASSISTIVE LISTENING RECEIVER (RF)	LISTEN TECHNOLOGIES	LR-4200-072	N/A
	ASSISTIVE LISTENING UNIVERSAL STEREO HEADPHONES	LISTEN TECHNOLOGIES	LA-402	N/A
	ASSISTIVE LISTENING EAR PHONE/NECK LOOK LANYARD	LISTEN TECHNOLOGIES	LA-430	N/A
	3U RACK DRAWER (BLACK BRUSHED)	MIDDLE ATLANTIC	D3	N/A
19	POWER CONDITIONER/SEQUENCER W/RS-232	FURMAN	CN-2400S	N/A
20	XLR FEMALE DECORA	RADIO DESIGN LABS	D-XLR3F	"AV1" AV1
21	XLR MALE DECORA	RADIO DESIGN LABS	D-XLR3M	"AVO" AVO
22	BLUETOOTH DECORA	RADIO DESIGN LABS	D-XLR3M	"AVB" AVB
	A FORMAT RECEIVER	RADIO DESIGN LABS	D-BT1A	N/A
	A FORMAT POWER SUPPLY	RADIO DESIGN LABS	PS-24AS	N/A
23	DECORA RACK MOUNT PLATE	MIDDLE ATLANTIC	DECP-1X4	N/A
24	HDMI DECORA WALL PLATE	C2G	41043	N/A

1 AUDIO-VISUAL ONE-LINE SCHEMATIC - MULTIPURPOSE D100
SCALE: NONE

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ARCHITECT

DSA SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 10/01/2024

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SHEET TITLE

TECHNOLOGY
SINGLE LINE DIAGRAMS
MP ROOM AV

SHEET NO.

T-602

DESIGN INFORMATION, CODES AND STANDARDS

GENERAL NOTES

1. ALL MATERIAL AND WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2022 CALIFORNIA BUILDING CODE (CBC) AND THE ADOPTED STANDARDS REFERENCED THEREIN; AS WELL AS ANY OTHER REGULATING AGENCIES HAVING AUTHORITY AND JURISDICTION OVER ANY PORTION OF THE WORK; AND OF THESE STRUCTURAL NOTES AND SPECIFICATIONS.
2. STRUCTURE SHALL BE INSTALLED / CONSTRUCTED IN THE LOCATION AS INDICATED ON THE SITE SPECIFIC DSA APPLICATION DRAWING.
3. ALL DRAWINGS SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT ALL STRUCTURAL ELEMENTS AND MEMBERS (ROOF, SLAB, COLUMNS, ETC.) ARE ADEQUATELY BRACED DURING CONSTRUCTION. BRACING OF SUCH ELEMENTS AND MEMBERS SHALL REMAIN IN PLACE UNTIL THEY ARE PROPERLY SECURED.
5. CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LIVE LOADS FOR THE SUPPORTING MEMBERS AND THEIR CONNECTIONS.
6. SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD NOTES ON THIS SHEET, WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.
7. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF THE UTILITY SERVICE IN THE AREA TO BE EXCAVATED PRIOR TO BEGINNING EXCAVATION.
8. A MINIMUM CLASS 2 INSPECTOR IS REQUIRED FOR THE PROJECT SPECIFIC APPLICATION.

APPLICABLE CODES AND STANDARDS

1. 2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24, CCR
2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 INTERNATIONAL BUILDING CODE, VOL 1 & 2, AND 2022 CALIFORNIA AMENDMENTS)
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR (2021 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR (2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
6. 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, CCR
7. 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
8. 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 INTERNATIONAL EXISTING BUILDING CODE AND 2O22 CALIFORNIA AMENDMENTS)
9. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN , PART 11, TITLE 24, CCR
10. 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, CCR
11. TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

SCOPE OF WORK

1. PROVIDE AND CONSTRUCT TENSIONED FABRIC SHADE STRUCTURES. THIS INCLUDES BUT IS NOT LIMITED TO EXCAVATION, PLACING STEEL, POURING CONCRETE, ASSEMBLING FRAMING AND CONSTRUCTING FABRIC CANOPIES.

MANUFACTURING

1. STEEL AND FABRIC MANUFACTURING SHALL BE COMPLETED BY SOUTHERN HEMISPHERE SHADES, INC. OR AN APPROVED LICENSEE.

FOOTING AND FRAMING CONSTRUCTION

1. EXCAVATION, FOOTINGS, STEEL FRAMING AND FABRIC CONSTRUCTION SHALL BE COMPLETED BY SOUTHERN HEMISPHERE SHADES, INC. OR APPROVED SUB-CONTRACTOR/LICENSEE.

ADJACENT STRUCTURES

1. IN RELATION TO ADJACENT BUILDINGS THE LOCATION OF THIS SHADE STRUCTURE IS SUBJECT TO SITE SPECIFIC APPROVAL
2. WHERE MULTIPLE CANTILEVER STRUCTURES OCCURE, MINIMUM OFFSET STRUCTURES TO BE 8X PIER DIAMETER AS MEASURED FROM CENTERLINE PER 1810A.2.5
3. "SITE APPLICATION DESIGN PROFESSIONAL AND DSA PLAN REVIEWER SHALL VERIFY THE STRUCTURE TO BE LOCATED AT LEAST XX FEET FROM ANY ADJACENT HIGHER STRUCTURE" WHERE THE DISTANCE "XX" IS CALCULATED AND STATED BY THE PC APPLICANT. SEE ASCE 7 SECTION 7.7. IF THE HORIZONTAL SEPARATION FROM A HIGHER STRUCTURE IS LESS THAN 20 FEET AND SIX TIMES THE VERTICAL DIMENSION SEPARATING THE ROOFS, SNOW DRIFT ANALYSIS SHALL BE PROVIDED BY THE PC APPLICANT, AND THE PROJECT IS NOT ELIGIBLE FOR OTC SUBMITTAL.

SPRINKLERS

1. SHADE STRUCTURES ARE NOT REQUIRED TO HAVE SPRINKLERS WHEN UTILIZED AS OPEN / CIRCULATION PURPOSES.

BUILDING DATA

1. CONSTRUCTION TYPE II-B
2. OCCUPANCY GROUP
   i. WHERE UTILIZED AS GROUP A, COMBINED ALLOWABLE AREA MAY NOT EXCEED 3,750 SQ. FT.
   ii. WHERE UTILIZED AS GROUP E, COMBINED ALLOWABLE AREA MAY NOT EXCEED 5,000 SQ. FT.
3. MAXIMUM OCCUPANCY LOAD SHALL BE LESS THAN 250 FOR K-12.

STRUCTURE DESIGN NOTES

PRODUCT

CANTILEVER SHADE STRUCTURE, INDEPENDENT

SIZES

1. 30' X 20' X 15' MAXIMUM SIZE PER STRUCTURE

MINOR VARIATIONS

1. STRUCTURE MAY BE REDUCED IN SIZE. DIMENSIONS SHALL NOT BE LESS THAN 10' ON THE LENGTH AND 10' ON THE WIDTH. WIDTH SHALL ALWAYS BE LESS THAN OR EQUAL TO LENGTH.

STRUCTURE DESIGN NOTES

DESIGN LOADS

1. DEAD LOAD: FABRIC CANOPY, Dr: 0.06PSF (UNIFORM LOAD)
2. LIVE LOAD ROOF, Lr: 5 PSF (UNIFORM LOAD)
3. FLOOD HAZARD AREA: NO
   i: WHEN SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.
   ii: THIS NOTE MAY INCLUDE AN EXEMPTION FOR THE VALIDATION LETTER FOR PROJECTS LOCATED IN ZONE D (UNDEFINED) IF THE APPLICANT PROVIDES EITHER (1) EVIDENCE FROM THE LOCAL JURISDICTION OR A QUALIFIED DESIGN PROFESSIONAL CONFIRMING THE SITE IS NOT IN A FLOOD HAZARD ZONE OR (2) A GEOTECHNICAL REPORT WRITTEN FOR IMPROVEMENTS ON THE SAME CAMPUS AND IN ACCORDANCE WITH THE CURRENT CBC ACKNOWLEDGES THE FLOOD HAZARD BUT CONFIRMS IT DOES NOT RESULT IN REDUCTION OF SOIL CAPACITY VALUES.
4. FLOOR DESIGN: NO

FOUNDATION REQUIREMENTS

1. VERTICAL LOADS:
   ALLOWABLE BEARING PRESSURE: 1500 PSF (DL + LL)
   1,500 PSF (DL + LL + seismic (CONCRETE FOOTING))
2. LATERAL LOADS
   PASSIVE RESISTANCE: 100 PCF (NEGLECT TOP 6")
   LATERAL BEARING PRESSURE ALLOWABLE INCREASE BY 2X TO 200 PCF PER CBC SECTION 1806A.3.4
   THIS PC DESIGN SHALL BE BASED ON THE PRESUMPTIVE LATERAL BEARING PRESSURE CORRESPONDING TO CLASS 5 SOIL IN CBC TABLE 1806A.2 UNLESS JUSTIFIED BY A SITE-SPECIFIC GEOTECHNICAL REPORT. IN ORDER TO USE VALUES GREATER THAN THAT STATED FOR CLASS 5 SOIL, A STATEMENT REQUIRING A SITE-SPECIFIC GEOTECHNICAL REPORT AT THE TIME OF SITE APPLICATION MUST BE INCLUDED IN THE DESIGN INFORMATION SECTION ON THE PC DRAWINGS.
   FRICTION FACTOR: 0.25 (BETWEEN CONCRETE AND SOIL)
   HORIZONTAL CLEAR DISTANCE OF (7X) THE DIAMETER OF THE PIER (17'-6") AND FACE OF NEAREST SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE NOT MET, SITE-SPECIFIC SOILS REPORT IS REQUIRED
3. GEOHAZARD REPORT
   PER IR A-4 GEOHAZARD REPORT REQUIREMENTS SEC 3.1.1
   OPEN FABRIC SHADE STRUCTURES 1,600 SQ. FT. OR LESS AND GROUPED ADJACENT SHADE STRUCTURES 4,000 SQ. FT. COMBINED AREA OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4 DO NOT REQUIRE A GEOHAZARD REPORT. PROVIDED THAT A GEOTECHNICAL REPORT INDICATES NO LIQUEFACTION POTENTIAL EXISTS.
4. GEOTECHNICAL REPORT (REQ'D FOR STRUCTURES OVER 1600 SQ. FT)
   WHERE GEOTECHNICAL REPORT IS REQUIRED, THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT SHALL BE FOLLOWED FOR THE CONSTRUCTION OF THE FOUNDATION, INCLUDING ANY SPECIFICATIONS FOR THE FOUNDATIONS FOUNDED ON UNDISTURBED NATIVE SOIL/MATERIAL OR ENGINEERED FILL.

SNOW DESIGN

1. FLAT ROOF SNOW LOAD: 5 PSF (PER CBC1603A1.3)
2. ROOF SLOPE FACTOR C_s = 1.0
3. EXPOSURE FACTOR, C_e: 1.2
4. SNOW IMPORTANCE FACTOR, I_s: 1.0
5. THERMAL FACTOR C_t: 1.2
6. ATMOSPHERIC ICE LOAD = 0.0 PSF

WIND DESIGN

1. DIRECTIONAL PROCEDURE: ASCE 7-16
2. BASIC SPEED, V: 100MPH
2.1 78 MPH (ASD)
3. DIRECTIONALITY FACTOR, Kd: 0.85
4. RISK CATEGORY : II
5. SURFACE ROUGHNESS CATEGORY: C
6. EXPOSURE CATEGORY: C
7. PRESSURE COEFFICIENT, Kz: 0.85
8. TOPOGRAPHICAL FACTOR, Kzt: 1.00
9. GUST EFFECT FACTOR, G or Gf: 0.85
10. VELOCITY PRESSURE, qz: 18.47
11. ENCLOSURE CLASSIFICATION: OPEN
12. CLEAR WIND FLOW: DESIGNER TO VERIFY OBJECTS BELOW SHADE STRUCTURE BLOCK LESS THAN 50% OF HORIZONTAL PROJECTED AREA UNDER CANOPY TO MEET COMPLIANCE.
13. ALTITUDE (GROUND ELEVATION) ABOVE SEA LEVEL Zg = 0

SEISMIC DESIGN

1. SEISMIC FORCE RESISTING SYSTEM: ORDINARY CANTILEVER COLUMN SYSTEM (OCCS)
2. EQUIVALENT LATERAL FORCE PROCEDURE
3. SEISMIC DESIGN CATEGORY: E
4. IMPORTANCE FACTOR, I: 1.0
5. DESIGN BASE SHEAR ISOLATED (2-POLE SYSTEM) V_ASD = 7.65 KIPS
6. RESPONSE FACTOR, R: 1.25
7. OVERSTRENCTH FACTOR Ω = 1.25
8. REDUNDANCY FACTOR p = 1.30
9. PERIOD T = 0.2 SECONDS
10. SITE CLASSIFICATION: A, B, C, D (DEFAULT)
11. ACCELERATION PARAMETER, SS: 2.500 G
12. ACCELERATION PARAMETER, S1: 1.250 g
13. SITE COEFFICIENT, Fa: 1.200
14. SITE COEFFICIENT, Fv: 1.700
15. DESIGN ACCEL. PARAMETER, Sds: 2.000 (Sds CANNOT BE CAPPED PER ASCE 7, SECTION 12.8.1.3)
16. DESIGN ACCEL. PARAMETER, SD1: 1.417
17. RISK CATEGORY: II
18. PC DOES NOT APPLY TO SITE CLASS F OR LIQUEFIABLE SOILS
19. UNLESS A SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED, THE SM1 VALUE INCREASED BY 50% SHALL BE LESS THAN THE DESIGN CRITERIA STATED HEREIN.

MATERIAL NOTES

STRUCTURAL STEEL NOTES:

1. DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC MANUAL OF STEEL CONSTRUCTION, 15TH EDITION, AISC 360-16, AISC 341-16 AND AISC 358-16.
2. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
3. STRUCTURAL STEEL GRADES:
   A. SHAPES AND PLATES : ASTM A36 (Fy=36 KSI)
   B. HSS (ROUND) : ASTM A500, GRADE C (Fy=46 KSI)
   C. HSS (SQUARE) : ASTM A500, GRADE B (Fy= 46 KSI)
   D. MACHINE BOLTS & NUTS : BOLT: A325 TYPE 1, NUT: ASTM A563 GRADE C HEAVY HEX
   E. BOLTS AT HSS HIP CONNECTIONS - ASTM A307 GRADE B
4. ALL CABLE STEEL SHALL BE 3/8, 7X19 AND GALVANIZED PER ASCE 19 CHAPTER 6, REFER TO STRUCTURAL SELECTIONS AS NOTED ON PAGE 4 AND 5. CABLE SHALL BE FED THROUGH THE FABRICS PERIMETER HEM AND TENSIONED UNTIL THE CANOPY IS TAUGHT.
5. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC MANUAL OF STEEL CONSTRUCTION", 15TH EDITION.
6. WELDING PROCEDURES, ELECTRODES AND WELDER QUALIFICATIONS SHALL CONFORM TO THE "CODE FOR WELDING IN BUILDING CONSTRUCTION", AMERICAN WELDING SOCIETY, AND THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". WELDING PROCESSES SHALL BE GMAW / FCAW-G / SMAW PER AWS. ELECTRODES SHALL BE GAS-METAL ARC USING ER70S6 WIRE, ULTRACORE 71C WIRE, OR LOW-HYDROGEN TYPE E-70 WELDING RODS. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS. ALL GROOVE OR BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS. ALL EXPOSED BUTT WELDS SHALL BE GROUND SMOOTH.

REINFORCED CONCRETE NOTES:

1. DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-19-TYP.
2. CEMENT SHALL CONFORM TO ASTM C-150, TYPE V.
3. AGGREGATES SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE.
4. CONCRETE SHALL MEET THE FOLLOWING DESIGN CRITERIA:
5. CONCRETE MIX TESTING AND DESIGN SHALL MEET THE REQUIREMENTS OF CHAPTER 26 OF ACI 318-19 AND SECTION 1904A OF THE 2022 CBC RESPECTIVELY, AND THESE SPECIFICATIONS.
6. CONCRETE CURING SHALL BE PER THE PROVISIONS OF CHAPTER 26 OF ACI 318-19.
7. ALL CONCRETE SHALL BE CONSOLIDATED WITH MECHANICAL VIBRATORS.
8. MAXIMUM AGGREGATE SHALL BE 1".
9. MAXIMUM SLUMP SHALL BE 4".
10. CONCRETE MIX SHALL BE EXPOSURE CLASS S3 PER TABLE 19.3.2.1 UNLESS OTHERWISE NOTED BY SITE-SPECIFIC GEOTECHNICAL REPORT.
11. CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3.

OPTION 1 - MAXIMUM WATER/CEMENT RATIO 0.45; MINIMUM COMPRESSIVE STRENGTH f'c = 4,500 (PSI). TYPE V CEMENT COMPLYING WITH ADDITIONAL REQUIREMENTS OF ASTM C150, AND APPLICABLE SECTIONS OF ACI 318-19 TABLE 19.3.2.1 & FOOTNOTE 7

OPTION 2 - MAXIMUM WATER/CEMENT RATIO 0.40; MINIMUM COMPRESSIVE STRENGTH f'c = 5,000 (PSI) TYPE V CEMENT COMPLYING WITH ADDITIONAL REQUIREMENTS OF ASTM C150, AND APPLICABLE SECTIONS OF ACI 318-19 TABLE 19.3.2.1 & FOOTNOTE 8

REINFORCING STEEL NOTES:

1. DESIGN, DETAILING, FABRICATION AND PLACEMENT OF STEEL REINFORCEMENT SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF ACI 318-19.
2. BAR REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60.
3. ALL REINFORCING STEEL, ANCHOR BOLTS, HOLD-DOWN ANCHORS, DOWELS AND INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE OR GROUT.
4. REINFORCING STEEL SHALL BE PROVIDED WITH THE FOLLOWING AMOUNTS OF CONCRETE COVER UNLESS NOTED OTHERWISE:
   CONCRETE CAST AGAINST EARTH : 3"
   FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
   NO. 5 OR SMALLER BARS : 1-1/2"
   NO. 6 AND LARGER BARS : 2"

MATERIAL NOTES

PAINT AND CORROSION PREPARATION SPECIFICATIONS

1. STRUCTURAL STEEL TUBING PREPARATION SHALL BE COMMERCIALLY SAND BLASTED ACCORDING TO SSPC-SP 6/NACE NO. 3.
2. A COMMERCIAL BLAST CLEANED SURFACE, WHEN VIEWED WITHOUT MAGNIFICATION, SHALL BE FREE OF ALL VISIBLE OIL, GREASE, DUST, DIRT, MILL SCALE, RUST, COATING, OXIDES, CORROSION PRODUCTS AND OTHER FOREIGN MATTER.
3. STEEL SHALL BE PAINTED OR POWDER COATED WITH ONE COAT OF ZINC-RICH PRIMER AND FINISH COAT, MIN. 2.5 TO 3.5 MILS THICK. THIS COATING METHOD SHALL BE BY SHERWIN WILLIAMS, POLYESTER TGIC FOR POWDER COATING, PRO-INDUSTRIAL DTM ACRYLIC FOR PAINTING, OR EQUIVALENT, AS PER THE CUSTOMERS COLOR CHOICE.

FABRIC SPECIFICATIONS

FABRIC SHALL BE SELECTED FROM THE OPTIONS AS PER BELOW. FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE. MAINTENANCE MANUAL TO BE PROVIDED BY MANUFACTURER. SITE PACKAGE SUBMITTAL TO PROVIDE CURRENT REGISTERED FLAME RESISTANT PRODUCT LETTER FROM THE OFFICE OF THE STATE FIRE MARSHAL.

MANUFACTURER: ALNET EXTRA BLOCK SHADECLOTH

1. WEIGHT: 9.6 OZ PER SQUARE YARD
2. TENSILE STRENGTH: WARP/WEFT 1,668 LB/FT / 2,040 LB/FT AS PER ASTM D-5034
3. TEAR STRENGTH: WARP/WEFT 33 lbs / 36 lbs AS PER ASTM D-2261
4. ASTM E84 CLASS A FIRE RATED
5. NFPA-701 TEST METHOD 2 FIRE RATED
6. CSFM TITLE 19 REGISTERED: F-094501
7. MODULUS OF ELASTICITY WARP/WEFT Ex = 2,758 PSI / Ey = 3,373 PSI
8. SEAMS - PROTECTED FROM SUNLIGHT - 90% OF BASE FABRIC STRENGTH PER ASCE 55, TABLE 4.1

CABLE SPECIFICATIONS

DESIGN FABRICATION AND INSTALLATION OF THE CABLES SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF ASCE/SEI 19-16 STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS

1. FOR CONNECTING FABRIC AT EACH CORNER ALL STEEL CABLE SHALL BE GALVANIZED 3/8" Ø, 7 X 19 I.W.R.C. WITH A BREAKING STRENGTH OF 14,400 LBS, AND ATTACH AROUND HIP BEAMS AND TUCKED INTO FABRIC. MAXIMUM ALLOWABLE CABLE CAPACITY Sa = 5,251 LBS
2. WIRE ROPE CLIPS SHALL BE 3/8" DROP FORGED AND MEET FEDERAL SPECIFICATION FF-C-450 TYPE 1, CLASS 1.
3. REFER TO STRUCTURAL SELECTIONS AS NOTED ON PAGE 02-4 (ELEVATIONS AND STRUCTURAL DETAILS) AND 02-5 (STRUCTURAL DETAILS).
4. CABLE SHALL BE FED THROUGH THE FABRICS PERIMETER HEM AND TENSIONED UNTIL THE CANOPY IS TAUGHT AND TENSIONED TO 200 LBS.

SITE SPECIFIC APPLICATION DESIGN PARAMETERS:

1. ACTUAL DIMENSIONS AND QUANTITY OF STRUCTURES TO BE USED
2. DIMENSIONS FOR ADJACENT STRUCTURES, ASSUMED PROPERTY LINES OR OTHER STRUCTURES
3. PROVIDE CODE ANALYSIS INCLUDING
   i. SHADE STRUCTURE AREA IN SQ. FT. 600
   ii. OCCUPANCY TYPE E
   iii. OCCUPANT LOAD FACTOR AS PER 2022 CBC, SECTION 1004. 7
   iv. INTENDED USE ________
   iv. INTENDED OCCUPANCY ASSEMBLY
4. THE PROJECT EOR OR AOR SHALL DETERMINE IF SITE IS IN A GEOHAZARD ZONE, AND IF IT WILL REQUIRE REPORT (REFER TO FOUNDATION REQUIREMENTS NOTE 3 AND 4)
5. DETERMINE IF SITE IS IN A FIRE HAZARD SEVERITY ZONE / WILDLAND URBAN INTERFACE AREA
   5A. FABRIC STRUCTURE IS NOT APPROVED FOR WILDLAND URBAN INTERFACE (WUI) / FIRE HAZARD SEVERITY ZONES
6. FLOOD ZONE: N/A
7. FLAT SNOW LOAD: 0 ≤ 5.0 PSF (TOTAL LOAD, INCLUDING DRIFT)
   7A. ADJACENT STRUCTURE DISTANCE _______FT
   7B. SNOW DRIFT LOAD _______PSF
8. CLEAR WIND FLOW: YES (OBJECTS BLOCK LESS THAN 50% OF AREA UNDER CANOPY)
9. SITE SPECIFIC RISK CATEGORY: II (YES ☐)
10. WIND SPEED: 78 ≤ 78MPH ASD (YES ☒)
    100 ≤ 100MPH LRFD (YES ☒)
11. SS: 0.578 ≤ 2.500 g (YES ☒)
12. S1: 0.255 ≤ 1.250 g (YES ☒)
13. Sds: 0.515 ≤ 2.000 (YES ☒)
14. SD1: NULL ≤ 1.417 g (YES ☒)

SHEET INDEX

OPTIONS	SHEET TITLE	SHEET NUMBER	PAGE	NOTES
COVER				
	COVER SHEET	P.C.-02-1	01 OF 05	GENERAL NOTES, APPLICABLE CODES, STRUCTURAL DESIGN DATA, SHEET INDEX
SPECIFICATIONS				
ALL	GENERAL SPECIFICATIONS	P.C.-02-1	01 OF 05	GENERAL NOTES, APPLICABLE CODES, STRUCTURAL DESIGN DATA, SHEET INDEX
ALL	TEST AND INSPECTION GUIDELINES	P.C.-02-2 P.C.-02-3	02 OF 05 03 OF 05	SAMPLE TESTING AND INSPECTION GUIDELINES
PERSPECTIVES AND DETAILS				
	ELEVATIONS AND STRUCTURAL DETAILS	P.C.-02-4 P.C.-02-5	04 OF 05 05 OF 05	ALL DETAILS APPLICABLE

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A separate project application for construction is required.

Southern Hemisphere Shades, Inc.
P: 916.348.1391
www.BUILDSHADE.com

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121109 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☐
DATE: 6/27/2023

PRODUCT
DSA CANTILEVER STRUCTURE: INDEPENDENT

SIZE (L X W X H)
30' X 20' X 15' MAX PER UNIT

LOCATION

PROJECT

ENGINEERING

DIGITALLY SIGNED

REGISTERED PROFESSIONAL ENGINEER
No. S3878
STRUCTURAL
STATE OF CALIFORNIA

INDEX OF PAGES

P.C.-02-1 Cover Page and Codes
P.C.-02-2 Sample Inspection Sheets A
P.C.-02-3 Sample Inspection Sheets B
P.C.-02-4 Elevations and Structural Details
P.C.-02-5 Structural Details

DESCRIPTION
Cover Page and Codes

P.C. 02-1

SAMPLE INSPECTION SHEETS A

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 02-121109 | **School Name:** To be determined | **School District:** Southern Hemisphere Shades, Inc.
DSA File Number: PC-87 | **Increment Number:** | **Date Created:** 2023-05-23 15:33:54

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required **Periodic** – Indicates that a periodic special inspection is required **Test** – Indicates that a test is required	**GE (Geotechnical Engineer)** – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. **LOR (Laboratory of Record)** – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. **PI (Project Inspector) –** Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **SI (Special Inspection)** – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC
Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 02-121109 | **School Name:** To be determined | **School District:** Southern Hemisphere Shades, Inc.
DSA File Number: PC-87 | **Increment Number:** | **Date Created:** 2023-05-23 15:33:54

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S1. GENERAL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	**See Notes**	**PI**	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	**Continuous**	**LOR***	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**b.** Compaction testing.	**Test**	**LOR***	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.

	S3. DRIVEN DEEP FOUNDATIONS (PILES):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Verify pile materials, sizes and lengths comply with the requirements.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**b.** Determine capacities of test piles and conduct additional load tests as required.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.

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Table 1705A.6, Table 1705A.7, Table 1705A.8

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**c.** Inspect driving operations and maintain complete and accurate records for each pile.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**d.** Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**e.** Steel piles.	Provide tests and inspections per STEEL section below.		
☐	**f.** Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐	**g.** For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Note**
☑	**a.** Inspect drilling operations and maintain complete and accurate records for each pier.	**Continuous**	**PI**	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**b.** Verify pier locations, diameters, plumbness and lengths.Record concrete or grout volumes.	**Continuous**	**PI**	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**c.** Concrete piers.	Provide tests and inspections per CONCRETE section below.		

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Table 1705A.6, Table 1705A.7, Table 1705A.8

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
	S5. RETAINING WALLS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Placement, compaction and inspection of backfill.	**Continuous**	**GE***	**1705A.6.1.** * By geotechnical engineer or his or her qualified representative. (See section S2 above).
☐	**b.** Placement of soil reinforcement and/or drainage devices.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.** Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐	**d.** Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	**e.** Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

	S6. OTHER SOILS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Soil Improvements	**Test**	**GE***	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
☐	**b.** Inspection of Soil Improvements	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.**			

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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC
Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

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	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify use of required design mix.	**Periodic**	**SI**	**Table 1705A.3 Item 5, 1910A.1.**
☑	**b.** Identifiy, sample, and test reinforcing steel.	**Test**	**LOR**	**1910A.2;** ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	**c.** During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Test**	**LOR**	**Table 1705A.3 Item 6**; ACI 318-19 Sections 26.5 & 26.12.
☑	**d.** Test concrete (f'_c).	**Test**	**LOR**	**1905A.1.17;** ACI 318-19 Section 26.12.
☑	**e.** Batch plant inspection: **Continuous**	**See Notes**	**SI**	Default of '**Continuous**' per **1705A.3.3**. If approved by DSA, batch plant inspection may be reduced to '**Periodic**' subject to requirements in Section **1705A.3.3.1,** or eliminated per **1705A.3.3.2.** See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	**f.** Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Sample and test prestressing tendons and anchorages.	**Test**	**LOR**	**1705A.3.4, 1910A.3**
☐	**b.** Inspect placement of prestressing tendons.	**Periodic**	**SI**	**1705A.3.4, Table 1705A.3 Items 1 & 9.**

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Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**c.** Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Periodic**	**SI**	**Table 1705A.3 Item 13.** Special inspector to verify specified concrete strength test prior to stressing.
☐	**d.** Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**Continuous**	**SI**	**1705A.3.4, Table 1705A.3 Item 9;** ACI 318-14 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect fabrication of precast concrete members.	**Continuous**	**SI**	ACI 318-19 Section 26.13.
☐	**b.** Inspect erection of precast concrete members.	**Periodic**	**SI***	**Table 1705A.3 Item 10.** * May be performed by PI when specifically approved by DSA.
☐	**c.** For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	**Continuous**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	**d.** Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	**Periodic**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

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Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

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	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect shotcrete placement for proper application techniques.	**Continuous**	**SI**	**1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3.** See ACI 506.2-13 Section 3.4, ACI 506R-16.
☐	**b.** Sample and test shotcrete (f'_c).	**Test**	**LOR**	**1908A.2, 1705A.3.9**

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect installation of post-installed anchors	**See Notes**	**SI***	**1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8** (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	**b.** Test post-installed anchors.	**Test**	**LOR**	**1910A.5.** (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.**			

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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC
1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	**Periodic**	*	**Table 1705A.2.1 Item 3a–3c.** 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	**b.** Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☐	**c.** Examine seam welds of HSS shapes	**Periodic**	**SI**	DSA IR 17-3.
☑	**d.** Verify and document steel fabrication per DSA-approved construction documents.	**Periodic**	**SI**	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).
☐	**e.** Buckling restrained braces.	**Test**	**LOR**	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	**Periodic**	**SI**	**Table 1705A.2.1 Items 1a & 1b, 2202A.1;** AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☑	**b.** Test high-strength bolts, nuts and washers.	**Test**	**LOR**	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC 2014 Section 7.2; DSA IR 17-8.
☐	**c.** Bearing-type ("snug tight") connections.	**Periodic**	**SI**	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☐	**d.** Pretensioned and slip-critical connections.	*	**SI**	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2;** AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *"Continuous" or "Periodic" depends on the tightening method used.

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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC
1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 02-121109 | **School Name:** To be determined | **School District:** Southern Hemisphere Shades, Inc.
DSA File Number: PC-87 | **Increment Number:** | **Date Created:** 2023-05-23 15:33:54

	S/A3. WELDING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**Periodic**	**SI**	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	**b.** Verify weld filler material manufacturer's certificate of compliance.	**Periodic**	**SI**	DSA IR 17-3.
☑	**c.** Verify WPS, welder qualifications and equipment.	**Periodic**	**SI**	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	**b.** Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect welding of stairs and railing systems.	**Periodic**	**SI**	**1705A.2.1**; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	**d.** Verification of reinforcing steel weldability other than ASTM A706.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**e.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

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INSPECTIONS

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PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A separate project application for construction is required.

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APP: 02-121109 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 6/27/2023

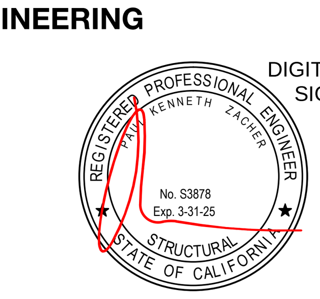
PRODUCT
DSA CANTILEVER STRUCTURE: INDEPENDENT

SIZE (L X W X H)
30' X 20' X 15' MAX PER UNIT

LOCATION

PROJECT

ENGINEERING



DIGITALLY SIGNED

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DESCRIPTION
Sample Inspections A

SAMPLE INSPECTION SHEETS B

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 02-121109 | **School Name:** To be determined | **School District:** Southern Hemisphere Shades, Inc.
DSA File Number: PC-87 | **Increment Number:** | **Date Created:** 2023-05-23 15:33:54

	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	**b.** Inspect single-pass fillet welds ≤ 5/16".	**Periodic**	**SI**	**Table 1705A.2.1 Item 5a.5;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect end-welded studs (ASTM A-108) installation (including bend test).	**Periodic**	**SI**	**2213A.2**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	**d.** Inspect floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Item 5a.6;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	**e.** Inspect welding of structural cold-formed steel.	**Periodic**	**SI***	**1705A.2.5; AWS D1.3; DSA IR 17-3.** The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	**f.** Inspect welding of stairs and railing systems.	**Periodic**	**SI***	**1705A.2.1;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	**g.** Verification of reinforcing steel weldability.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**h.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 02-121109 | **School Name:** To be determined | **School District:** Southern Hemisphere Shades, Inc.
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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**c.**	**Test**	**LOR**	

	S/A7. STEEL JOISTS AND TRUSSES:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	**Continuous**	**SI**	**1705A.2.3, Table 1705A.2.3;** AWS D1.1; DSA IR 22-3 for steel joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A8. SPRAYED FIRE-RESISTANT MATERIALS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	**Periodic**	**SI**	**1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.**
☐	**b.** Test density.	**Test**	**LOR**	**1705A.15.1, 1705A.15.5, ASTM E736**
☐	**c.** Bond strength adhesion/cohesion.	**Test**	**LOR**	**1705A.15.1, 1705A.15.4, ASTM E605**

	S/A9. ANCHOR BOLTS AND ANCHOR RODS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Anchor Bolts and Anchor Rods	**Test**	**LOR**	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
☐	**b.** Threaded rod not used for foundation anchorage.	**Test**	**LOR**	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

	S/A10. STORAGE RACK SYSTEMS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	**Periodic**	**SI**	Table 1705A.13.7
☐	**b.** Fabricated storage rack elements.	**Periodic**	**SI**	1704A.2.5; Table 1705A.13.7

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

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	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**c.** Storage rack anchorage installation.	**Periodic**	**SI**	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
☐	**d.** Completed storage rack system to indicate compliance with the approved construction documents.	**Periodic**	**SI***	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.**			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (OTHER), 2022 CBC

Application Number: 02-121109 | **School Name:** To be determined | **School District:** Southern Hemisphere Shades, Inc.
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	X1. OTHER:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Load test for identified product(s):	**Test**	**LOR**	**1709A.2, 1709A.3**. Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5, or 2) a product that can be justified by structural calculation.
☐	**b.** Installation torque for non-HS bolts	**Continuous**	**SI***	Applicable to communication towers identified as Essential Service Facility Projects (ESFP). Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications.*EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
☑	**c.** Fabric			Certification by manufacturer, accepted by inspector
☑	**d.** Fabric Fire Marshal Certification			Certification by manufacturer, accepted by inspector

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 02-121109 | **School Name:** To be determined | **School District:** Southern Hemisphere Shades, Inc.
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Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents**. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

	CONCRETE/MASONRY:
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

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	CONCRETE/MASONRY:
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

	WELDING:
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC

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DSA File Number: PC-87 | **Increment Number:** | **Date Created:** 2023-05-23 15:33:54

Name of Architect or Engineer in general responsible charge:	
Name of Structural Engineer (When structural design has been delegated):	
Signature of Architect or Structural Engineer:	Date:

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

Application Number: 02-121109 | **School Name:** To be determined | **School District:** Southern Hemisphere Shades, Inc.
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1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

INSPECTIONS

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SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 6/27/2023

PRODUCT
DSA CANTILEVER STRUCTURE: INDEPENDENT

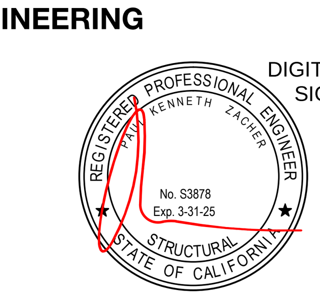
SIZE (L X W X H)
30' X 20' X 15' MAX PER UNIT

LOCATION

PROJECT

ENGINEERING

DIGITALLY SIGNED



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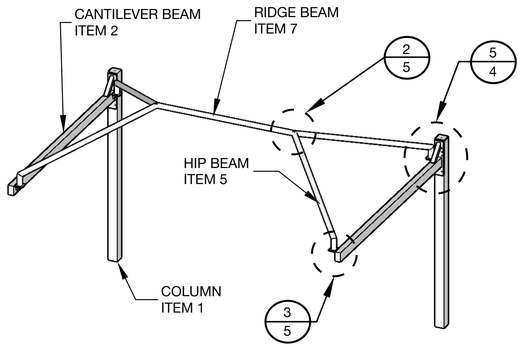
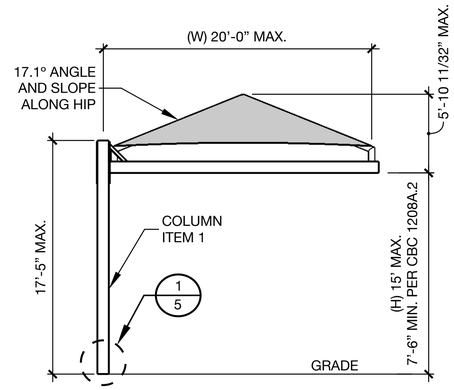
DESCRIPTION
Sample Inspections B

P.C. 02-3

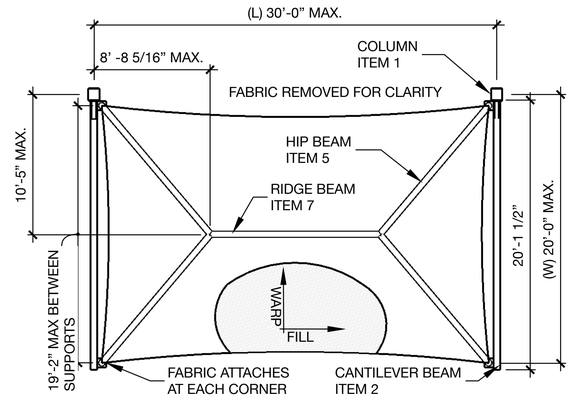
ELEVATIONS AND STRUCTURAL DETAILS



1 ISO FRAME VIEW
SCALE: NTS



2 SIDE VIEW
SCALE: NTS



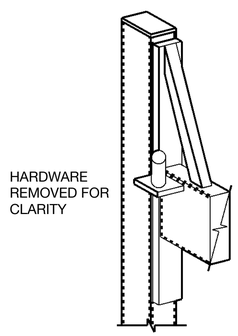
3 TOP VIEW
SCALE: NTS

MATERIAL LIST

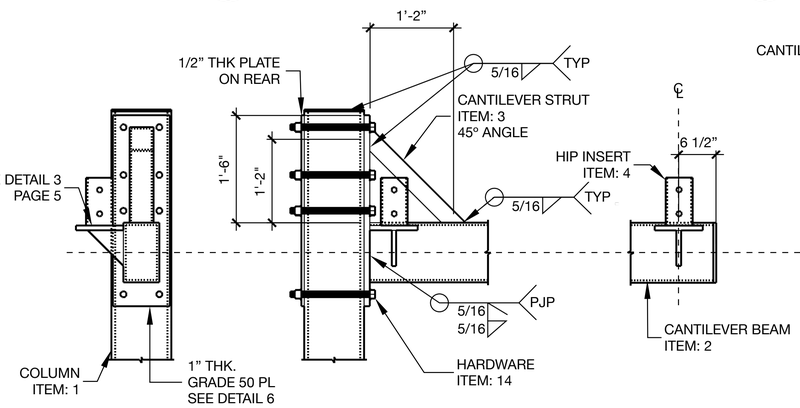
ITEM	MATERIAL AND SPECIFICATION	DESCRIPTION
1	HSS10.00 X 10.00 X 0.625, A-500 GRADE B	COLUMN
2	HSS10.00 X 6.00 X 0.375, A-500 GRADE B	CANTILEVER BEAM
3	HSS4.00 X 4.00 X 0.375, A-500 GRADE B	CANTILEVER STRUT
4	4.5" (O.D.) X .188, A-500 GRADE B, ROUND	HIP INSERT
5	5" (O.D.) X .188, A-500 GRADE B, ROUND	HIP BEAM
6	5" SCH. 40 PIPE, A-53 GRADE B	Y-MEMBER
7	5" (O.D.) X .188, A-500 GRADE B, ROUND	RIDGE BEAM
8	1/2" THK. X 2" ROD, ASTM A-36	FABRIC PIN
9	3/8" GALVANIZED CABLE, 7X19 - 14400 LB BREAK STRENGTH	TENSION CABLE
10	3/8" GALVANIZED CLIPS, FORGED, FED FF-C-450	CABLE CLAMPS
11	MESH, SEE FABRIC SPECS ON COVER	FABRIC
12	1/2" X 6-1/2" LONG, GALVANIZED BOLT, NUT, FLAT AND LOCK WASHER, A307	RAFTER HARDWARE
13	1/2" X 7" LONG, GALVANIZED BOLT, NUT, FLAT AND LOCK WASHER, A307	Y-MEMBER HARDWARE
14	(8) 7/8" Ø A325 BOLTS X 13-1/2" LONG, w/ HARDENED F436 GALVANIZED NUT, FLAT AND LOCK WASHER	CANTILEVER HARDWARE

NOTES:

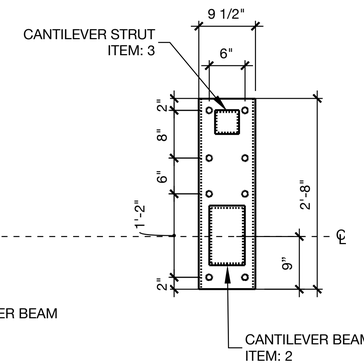
DIMENSION AND AREA CONSTRAINTS
1) THE MINIMUM WIDTH (W) ON ANY STRUCTURE SHALL BE AT LEAST 10'
2) THE MINIMUM LENGTH (L) ON ANY STRUCTURE SHALL BE AT LEAST 10'
3) THE MAXIMUM WIDTH (W) SHALL NOT EXCEED 20'
4) THE MAXIMUM LENGTH (L) SHALL NOT EXCEED 30'
5) MEASUREMENTS ARE FROM CENTER OF COLUMN TO CENTER OF COLUMN
6) SCHOOL SPECIFIC SITE PLAN TO SHOW MEASUREMENTS OF COLUMN LOCATIONS



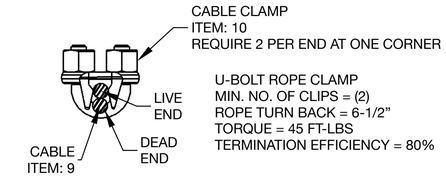
4 CANTILEVER ISO VIEW
SCALE: NTS

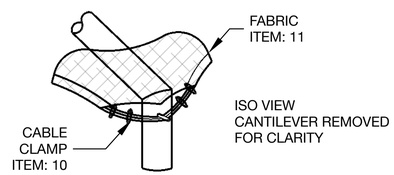


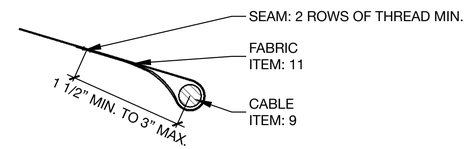
5 COLUMN TO CANTILEVER
SCALE: NTS

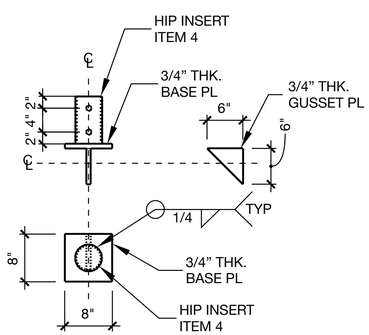


6 PLATE DIMENSIONS
SCALE: NTS

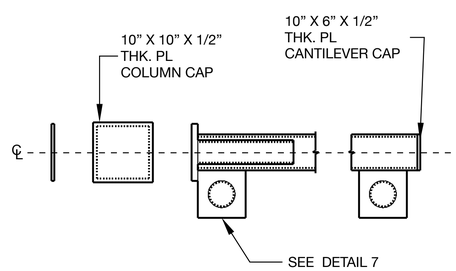




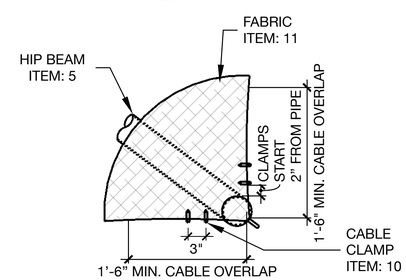




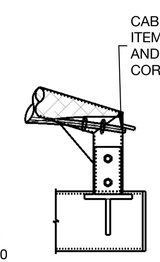
7 PLATE DETAILS
SCALE: NTS



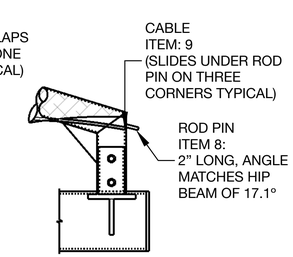
8 COLUMN TO CANTILEVER TOP VIEW
SCALE: NTS



TOP VIEW
CANTILEVER REMOVED FOR CLARITY



SIDE VIEW
ONE CORNER



SIDE VIEW
THREE CORNERS

9 HIP BEAM AND FABRIC CONNECTION
SCALE: NTS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A separate project application for construction is required.

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DIV. OF THE STATE ARCHITECT
APP: 02-121109 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 6/27/2023

PRODUCT
DSA CANTILEVER STRUCTURE: INDEPENDENT

SIZE (L X W X H)
30' X 20' X 15' MAX PER UNIT

LOCATION

PROJECT

ENGINEERING

DIGITALLY SIGNED
REGISTERED PROFESSIONAL ENGINEER
KENNETH TAPIA
No. 53878
Exp. 3-31-25
STRUCTURAL
STATE OF CALIFORNIA

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P.C.-02-5 Structural Details

DESCRIPTION
Elevations and Structural Details

P.C. 02-4

STRUCTURAL DETAILS

NODAL SUPPORT FORCES (EXTREMES)

Node No.		Design Situation 1 - Section 2.4 ASD LC 1-7						
		Support Forces [kip]			Support Moments [kipft]			Load combination
		P_x	P_y	P_z	M_x	M_y	M_z	
1	P_x	3.828	0.031	-2.663	-0.75	58.21	0.06	CO13
1	P_x	-3.828	0.029	-2.663	-0.72	-32.30	0.07	CO14
1	P_y	0.622	3.867	-2.571	-44.81	25.07	10.09	CO15
1	P_y	-0.623	-3.788	-2.754	43.09	1.03	-9.90	CO16
1	P_z	-0.107	1.692	-0.204	-19.03	-8.46	7.58	CO41
1	P_z	-0.105	0.814	-4.516	-11.57	30.42	2.73	CO31
1	M_x	-0.623	-3.788	-2.754	43.09	1.03	-9.90	CO16
1	M_x	0.622	3.867	-2.571	-44.81	25.07	10.09	CO15
1	M_y	3.828	0.031	-2.663	-0.75	58.21	0.06	CO13
1	M_y	-3.828	0.029	-2.663	-0.72	-32.30	0.07	CO14
1	M_z	-0.016	2.252	-0.286	-28.03	-6.13	11.61	CO42
1	M_z	-0.623	-3.788	-2.754	43.09	1.03	-9.90	CO16
Extremes		3.828	3.867	-0.204	43.09	58.21	11.61	
1		-3.828	-3.788	-4.516	-44.81	-32.30	-9.90	
1								
2	P_x	3.828	-0.031	-2.663	0.75	58.22	-0.06	CO13
2	P_x	-3.828	-0.029	-2.663	0.72	-32.29	-0.07	CO14
2	P_y	-0.622	3.788	-2.754	-43.09	1.03	9.90	CO15
2	P_y	0.623	-3.867	-2.571	44.80	25.08	-10.09	CO16
2	P_z	-0.062	-1.850	0.244	20.85	-11.99	-8.39	CO42
2	P_z	0.038	-1.316	-4.857	19.72	36.62	-5.60	CO31
2	M_x	0.623	-3.867	-2.571	44.80	25.08	-10.09	CO16
2	M_x	-0.622	3.788	-2.754	-43.09	1.03	9.90	CO15
2	M_y	3.828	-0.031	-2.663	0.75	58.22	-0.06	CO13
2	M_y	-3.828	-0.029	-2.663	0.72	-32.29	-0.07	CO14
2	M_z	-0.622	3.788	-2.754	-43.09	1.03	9.90	CO15
2	M_z	0.029	-2.324	-0.895	29.70	0.89	-11.87	CO41
Extremes		3.828	3.788	0.244	44.80	58.22	9.90	
2		-3.828	-3.867	-4.857	-43.09	-32.29	-11.87	

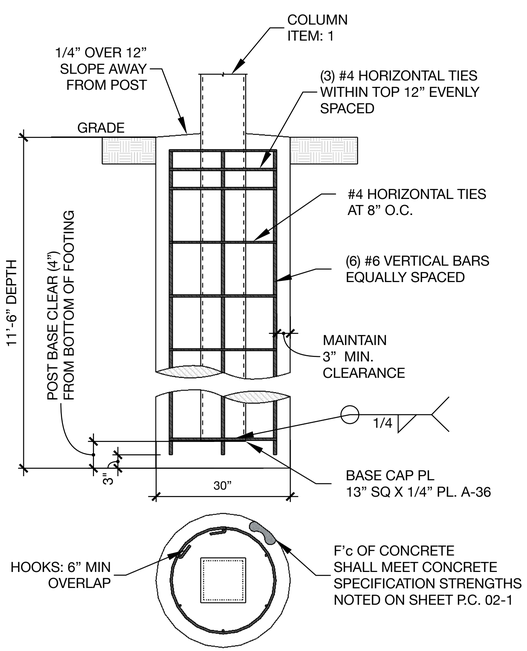
Node No.		Design Situation 2 - Section 2.4 ASD LC 8-10 including overstrength						
		Support Forces [kip]			Support Moments [kipft]			Load combination
		P_x	P_y	P_z	M_x	M_y	M_z	
1	P_x	3.828	0.037	-1.598	-0.65	52.97	0.11	CO45
1	P_x	-3.828	0.033	-3.601	-0.83	-22.59	0.05	CO66
1	P_y	0.622	3.876	-1.505	-44.69	19.82	10.14	CO47
1	P_y	-0.622	-3.792	-1.818	43.14	-8.60	-9.84	CO68
1	P_z	0.621	3.872	-0.565	-44.53	10.16	10.13	CO76
1	P_z	-0.461	-2.341	-4.477	25.05	22.38	-5.75	CO71
1	M_x	-0.621	-3.783	-0.754	43.15	-13.79	-9.78	CO75
1	M_x	0.622	3.876	-1.505	-44.69	19.82	10.14	CO47
1	M_y	3.828	0.035	-3.601	-0.86	67.88	0.04	CO65
1	M_y	-3.828	0.036	-1.598	-0.63	-37.52	0.12	CO46
1	M_z	0.622	3.876	-1.505	-44.69	19.82	10.14	CO47
1	M_z	-0.622	-3.792	-1.818	43.14	-8.60	-9.84	CO68
Extremes		3.828	3.876	-0.565	43.15	67.88	10.14	
1		-3.828	-3.792	-4.477	-44.69	-37.52	-9.84	
1								
2	P_x	3.828	-0.035	-3.601	0.86	67.89	-0.04	CO65
2	P_x	-3.828	-0.036	-1.598	0.63	-37.52	-0.12	CO46
2	P_y	-0.621	3.792	-1.818	-43.13	-8.60	9.84	CO67
2	P_y	0.622	-3.875	-1.505	44.69	19.82	-10.13	CO48
2	P_z	0.621	-3.872	-0.565	44.52	10.16	-10.12	CO75
2	P_z	-2.843	-0.496	-4.412	7.59	-2.36	-1.77	CO69
2	M_x	0.622	-3.875	-1.505	44.69	19.82	-10.13	CO48
2	M_x	-0.621	3.783	-0.754	-43.14	-13.79	9.78	CO76
2	M_y	3.828	-0.035	-3.601	0.86	67.89	-0.04	CO65
2	M_y	-3.828	-0.036	-1.598	0.63	-37.52	-0.12	CO46
2	M_z	-0.621	3.792	-1.818	-43.13	-8.60	9.84	CO67
2	M_z	0.622	-3.875	-1.505	44.69	19.82	-10.13	CO48
Extremes		3.828	3.792	-0.565	44.69	67.89	9.84	
2		-3.828	-3.875	-4.412	-43.14	-37.52	-10.13	

MATERIAL LIST

ITEM	MATERIAL AND SPECIFICATION	DESCRIPTION
1	HSS10.00 X 10.00 X 0.625, A-500 GRADE B	COLUMN
2	HSS10.00 X 6.00 X 0.375, A-500 GRADE B	CANTILEVER BEAM
3	HSS4.00 X 4.00 X 0.375, A-500 GRADE B	CANTILEVER STRUT
4	4.5" (O.D.) X .188, A-500 GRADE B, ROUND	HIP INSERT
5	5" (O.D.) X .188, A-500 GRADE B, ROUND	HIP BEAM
6	5" SCH. 40 PIPE, A-53 GRADE B	Y-MEMBER
7	5" (O.D.) X .188, A-500 GRADE B, ROUND	RIDGE BEAM
8	1/2" THK. X 2" ROD, ASTM A-36	FABRIC PIN
9	3/8" GALVANIZED CABLE, 7X19 - 14400 LB BREAK STRENGTH	TENSION CABLE
10	3/8" GALVANIZED CLIPS, FORGED, FED FF-C-450	CABLE CLAMPS
11	MESH, SEE FABRIC SPECS ON COVER	FABRIC
12	1/2" X 6-1/2" LONG, GALVANIZED BOLT, NUT, FLAT AND LOCK WASHER, A307	RAFTER HARDWARE
13	1/2" X 7" LONG, GALVANIZED BOLT, NUT, FLAT AND LOCK WASHER, A307	Y-MEMBER HARDWARE
14	(8) 7/8" Ø A325 BOLTS X 13-1/2" LONG, w/ HARDENED F436 GALVANIZED NUT, FLAT AND LOCK WASHER	CANTILEVER HARDWARE

WELDING PROCESS
1. V MEMBER IS WELDED TOGETHER FIRST
2. "LEG" IS COPED AND THEN FITTED OVER V
3. "LEG" IS THEN WELDED ON

Y-MEMBER IS THE FINISHED PART OF
V MEMBER AND LEG WELDED TOGETHER



1 PIER FOOTING
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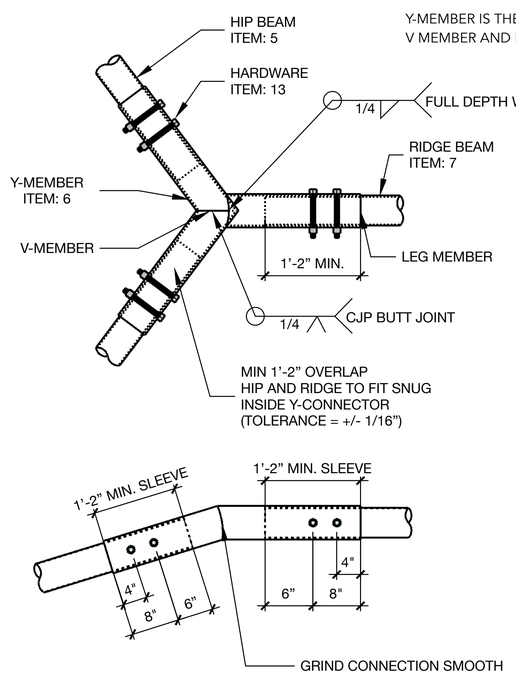

2 Y-CONNECTOR
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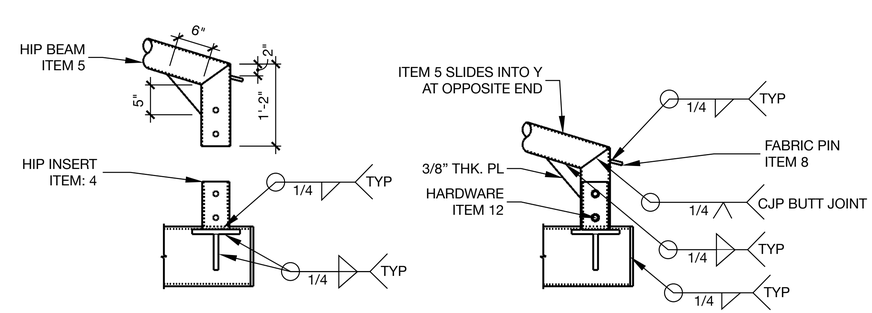

3 CANTILEVER TO HIP BEAM
SCALE: NTS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A separate project application for construction is required.

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APP: 02-121109 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 6/27/2023

PRODUCT
DSA CANTILEVER STRUCTURE: INDEPENDENT

SIZE (L X W X H)
30' X 20' X 15' MAX PER UNIT

LOCATION

PROJECT

ENGINEERING
DIGITALLY SIGNED
REGISTERED PROFESSIONAL ENGINEER
JAY KENNETH ZACHER
No. 53878
Exp. 12-31-25
STRUCTURAL
STATE OF CALIFORNIA

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DESCRIPTION
Structural Details

P.C. 02-5

EXAMPLE STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

A DSA-CERTIFIED CLASS 2 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.

NOTE: BATCH PLANT INSPECTION IS NOT REQUIRED FOR UNENCLOSED SITE STRUCTURES, PROVIDED THEY ARE IDENTIFIED ON THE APPROVED CONSTRUCTION DOCUMENTS AND THE LICENSED WEIGHMASTER AND BATCH TICKET REQUIREMENTS OF CBC SECTION 1705A.3.3.1 ARE IMPLEMENTED.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

General

Application Number:	School Name:	School District:
04-123279	Pre Check	Pre Check
DSA File Number:	**Increment Number:**	**Date Created:**
PC-139		2024-05-20 11:29:31

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S1. GENERAL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings must not contain loose material, mud, organic silt, organic clays, or peat.	See Notes	PI	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations and/or within the building envelope is not permitted without a geotechnical report.

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Note**
☑	**a.** Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**b.** Verify pier locations, diameters, plumbness and lengths.Record concrete or grout volumes.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**c.** Concrete piers.	Provide tests and inspections per CONCRETE section below.		

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify use of required design mix.	Continuous	SI	**Table 1705A.3 Item 5, 1910A.1.**
☑	**b.** Identifiy, sample, and test reinforcing steel.	Test	LOR	**1910A.2;** ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	**c.** During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	**Table 1705A.3 Item 6**; ACI 318-19 Sections 26.5 & 26.12.
☑	**d.** Test concrete (f'_c).	Test	LOR	**1905A.1.17;** ACI 318-19 Section 26.12.
☑	**e.** Batch plant inspection: **Not Required**	See Notes	SI	Default of **'Continuous'** per **1705A.3.3**. If approved by DSA, batch plant inspection may be reduced to **'Periodic'** subject to requirements in Section **1705A.3.3.1,** or not required per **1705A.3.3.2.** See IR 17-13. (See Appendix (end of this form) for exemptions.)

	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. •Material sizes, types and grades comply with requirements.	Periodic	*	**Table 1705A.2.1 Item 3a–3c.** 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	**b.** Test unidentified materials	Test	LOR	**2202A.1.**
☑	**c.** Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	**d.** Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	**Table 1705A.2.1 Items 1a & 1b, 2202A.1;** AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☑	**b.** Test high-strength bolts, nuts and washers.	Test	LOR	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC 2014 Section 7.2; DSA IR 17-8.
☑	**c.** Bearing-type ("snug tight") connections.	Periodic	SI	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☐	**d.** Pretensioned and slip-critical connections.	*	SI	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2;** AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *"Continuous" or "Periodic" depends on the tightening method used.

	S/A3. WELDING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	**c.** Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.

Exempt items given in DSA IR A-22 or the 2022 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents**. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☑	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.

	CONCRETE/MASONRY:
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☑	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
3. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

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ABBREVIATIONS

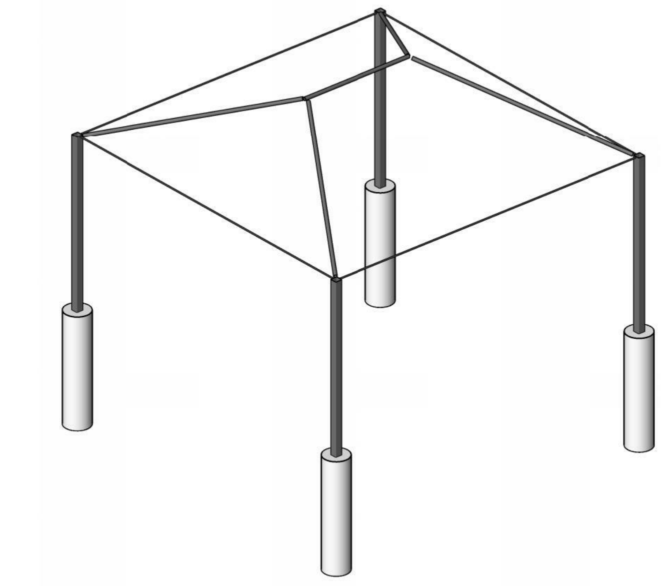
AB	ANCHOR BOLT
ABV	ABOVE
AC	AIR CONDITIONING
ADJ	ADJACENT
ADDL	ADDITIONAL
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECT
@	AT
BLDG	BUILDING
BLK/BLKG	BLOCK/BLOCKING
BLW	BELOW
BM	BEAM
BN	BOUNDARY NAIL
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BU	BUILT-UP
BYND	BEYOND
C	AMERICAN STANDARD CHANNEL
CANT	CANTILEVER
CB	CARRIAGE BOLT
CIP	CAST IN PLACE
CGL	CERTIFIED GLUED LUMBER
CJ	CONTROL JOINT
℄	CENTERLINE
CJP	COMPLETE JOINT PENETRATION
CLG	CEILING
CLR	CLEAR
COL	COLUMN
COLL	COLLECTOR
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
COORD	COORDINATE/ COORDINATION
CMU	CONCRETE MASONRY UNIT
CSK	COUNTERSINK
CW	CUT WASHER
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DCW	DEMAND CRITICAL WELD
DF	DOUGLAS FIR
DIA or Ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DJ	DOWEL JOINT
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DWG	DRAWING
DWL	DOWEL
EA	EACH
EE	EACH END
EF	EACH FACE
ELEC	ELECTRICAL
ELEV	ELEVATOR/ELEVATION
EMBED	EMBEDMENT
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXIST or (E)	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FIN	FINISH
FG	FINISH GRADE
FLI	FERRULE LOOP INSERT
FLR	FLOOR
FN	FACE NAIL
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FRMG	FRAMING
FS	FAR SIDE
FTG	FOOTING
GA	GAGE or GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GLB	GLUE LAMINATED BEAM
GR	GRADE
HD	HOLD DOWN
HDG	HOT-DIP GALVANIZED
HDR	HEADER
HGR	HANGER
HK	HOOK
HORIZ	HORIZONTAL
HS	HIGH STRENGTH
HSB	HIGH STRENGTH BOLT
HSFB	HIGH STRENGTH FRICTION BOLT
HSG	HIGH STRENGTH GROUT
HSH	HORIZONTAL SLOTTED HOLE
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER
IJ	I SHAPED WOOD BUILT UP TRUSS
INT	INTERIOR
JST	JOIST
JT	JOINT
KP	KING POST
L	STEEL ANGLE
Lb or #	POUND(s)
LGMF	LIGHT GAGE METAL FRAMING
LGMFC	LIGHT GAGE METAL FRAMING CONTRACTOR
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LS	LAG SCREW
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
MAX	MAXIMUM
MB	MACHINE BOLT
MBM	METAL BUILDING MANUFACTURER
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEZZ	MEZZANINE
MF	MOMENT FRAME
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MIW	MALLEABLE IRON WASHER
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NO or #	NUMBER
NS	NEAR SIDE
NSG	NON-SHRINK GROUT
NTS	NOT TO SCALE
O/	OVER
oc	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OVS	OVERSIZED
OW	OTHERWISE
OWT	OPEN WEB TRUSS
	PLATE or PROPERTY LINE
PA	POST ABOVE
PDP	POWDER DRIVEN PINS
PEN	PANEL EDGE NAIL
PERP	PERPENDICULAR
PES	PANEL EDGE SCREWS
PJP	PARTIAL JOINT PENETRATION
PLF	POUNDS PER LINEAR FOOT
PNL	PANEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PTB	PANEL TIE BAR
PTDF	PRESSURE TREATED DOUGLAS FIR
PT	POINT
R	RADIUS
RBS	REDUCED BEAM SECTION
RFTR	RAFTER
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
RET	RETAINING
REV	REVISION
RF	ROOF
RWD	REDWOOD
	AMERICAN STANDARD BEAM
SAD	SEE ARCHITECTURAL DRAWINGS
SB	SOLID BLOCK
SC	SLIP CRITICAL
SCBF	SPECIAL CONCENTRIC BRACED FRAME
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SED	SEE ELECTRICAL DRAWINGS
SEOR	STRUCTURAL ENGINEER OF RECORD
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHTG	SHEATHING
SIM	SIMILAR
SKYLT	SKYLIGHT
SMF	SPECIAL MOMENT FRAME
SMS	SHEET METAL SCREW
SMD	SEE MECHANICAL DRAWINGS
SOG	SLAB ON GRADE
SPCG	SPACING
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
SS	SELECT STRUCTURAL or STAINLESS STEEL
STGR	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SW	SHEAR WALL
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THK	THICK
THRD	THREADED
THRU	THROUGH
TL	TOTAL LOAD
TN	TOE NAIL
TOC	TOP OF CONCRETE
TOF	TOP OF FRAMING
TOM	TOP OF MASONRY
TOP	TOP OF PLYWOOD
TOS	TOP OF STEEL
TOT	TOTAL
TU	TILT UP
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VSH	VERTICAL SLOTTED HOLE
W	WIDE FLANGE STEEL BEAM
W/	WITH
W/O	WITHOUT
WD	WOOD
WHS	WELDED HEADED STUD
WLD	WELDED
WP	WORK POINT/WATERPROOF
WS	WOOD SCREW
WT	WEIGHT
WTS	WELDED THREADED STUD
WWR	WELDED WIRE REINFORCEMENT

SHEET INDEX

PC-C1	COVER SHEET
PC-S1	ROOF PLAN, ELEVATION, DETAILS
PC-S2	BASE REACTIONS & CUT SHEETS

SHADE 'N NET

HIP ROOF SHADE STRUCTURE



DSA PRE-CHECK P.C. 04-123279

(UPDATE FROM P.C. 04-120098 & P.C. 01-117670)

DESIGN CRITERIA

ROOF LIVE LOAD: 5 PSF
ROOF DEAD LOAD: 0 PSF FOR FABRIC DESIGN (WEIGHT NEGLIGIBLE)
SELF WEIGHT FOR STEEL FRAMING MEMBERS
SNOW/ICE LOAD: 0 PSF
FUTURE SOLAR: 0 PSF
RISK CATEGORY: II
WIND DATA: ULTIMATE WIND SPEED (3 SEC GUST) IN MPH: 100
WIND EXPOSURE: C
ANALYSIS PROCEDURE: MWFRS DIRECTIONAL PROCEDURE
OPEN BUILDINGS WITH MONOSLOPE, PITCHED, OR TROUGHED FREE ROOFS PER ASCE 7-16 27.3.2
GUST FACTOR, G = 0.85, K_{zt} = 1.0, UNOBSTRUCTED WIND FLOW

EARTHQUAKE DATA: MAPPED SPECTRAL RESPONSE ACCELERATIONS: S_S = 3.0; S_1 = 1.3
SITE CLASS: D (BY DEFAULT)
SITE COEFFICIENTS: Fa = 1.2; Fv = 1.7
SPECTRAL RESPONSE COEFFICIENTS: S_{DS} = 2.4; S_{D1} = 1.5
SEISMIC DESIGN CATEGORY: E
SEISMIC IMPORTANCE FACTOR, I_e: 1.00
SEISMIC FORCE RESISTING SYSTEM(S):
ORDINARY CANTILEVER COLUMNS
RESPONSE MODIFICATION FACTOR(S):
R = 1.25, OMEGA = 1.25, RHO = 1.0
SEISMIC RESPONSE COEFFICIENT(S), C_S = 1.3 (ASD)
DESIGN BASE SHEAR, V (ASD) = 1.2k (20x20); 1.7k (25x25); 2.9k (30x30); 5.1k (40x40); 7.4k (50x50); 10.2k (60x60)
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE
HORIZ AND VERTICAL STRUCTURAL IRREGULARITIES: NONE

SOIL DATA: ALLOWABLE VERTICAL FOUNDATION PRESSURE:
1,500 PSF FOR D+L
2,000 PSF FOR D+L+EQ OR D+L+W
ALLOWABLE LATERAL BEARING PRESSURE = 100 PSF
ALLOWABLE LATERAL BEARING PRESSURE INCREASE PER CBC 1806A.3.4 = 2.0
ALLOWABLE UPLIFT CAPACITY = 250 PSF

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 2022 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS FOR SITE SPECIFIC APPLICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

FOUNDATION NOTES

1. ALL PIERS SHALL BE POURED IN ONE CONTINUOUS POUR WITH STEEL IN PLACE. ALL PIERS TO BE VIBRATED WHILE POURING CONCRETE.
2. A GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC SHADE STRUCTURES OF 1,600 SQUARE FEET OR LESS AND COMPLYING WITH THE REQUIREMENTS NOTED IN DSA IR A-4 SECTION 3.4. FOR OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQUARE FEET UP TO 4,000 SQUARE FEET, A GEOHAZARD REPORT IS NOT REQUIRED IF:
-THE STRUCTURE IS NOT WITHIN A MAPPED GEOHAZARD ZONE.
-THE STRUCTURE IS WITHIN A MAPPED GEOHAZARD ZONE, BUT IT IS SUBMITTED WITH A GEOTECHNICAL REPORT STATING THAT NO LIQUIFACTION POTENTIAL EXISTS.
3. PIERS MAY NOT BE PLACED ADJACENT TO A SLOPE THAT IS LOCATED LESS THAN 7x THE PIER DIAMETER HORIZONTAL DISTANCE FROM THE TOP OF THE PIER.
4. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THAT THE ALLOWABLE SOIL VALUES SPECIFIED IN THIS PC ARE STILL APPLICABLE.

MATERIAL SPECIFICATIONS

CONCRETE CONSTRUCTION:

1. CONCRETE SHALL BE HARD ROCK CONCRETE AND MEET THE FOLLOWING REQUIREMENTS:

LOCATION	MIN 28-DAY STRENGTH (PSI)	AGGREGATE SIZE	MAX WATER TO CEMENT RATIO	MIN SACKS CEMENTITIOUS MATERIAL PER CUBIC YARD[3]
FOUNDATIONS	4,500	1"x#4	0.45	5.0

2. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF CBC SECTIONS 1705A AND 1903A, ACI 318-19 CHAPTERS 19 & 26, AND THESE SPECIFICATIONS. CEMENT TO BE IN ACCORDANCE WITH ASTM C150 TYPE V. AGGREGATE TO MEET ASTM C33. FLY ASH TO MEET ASTM C618 CLASS F. SUBMIT MIX DESIGN AND SUPPORTING DOCUMENTATION TO PROJECT ENGINEER IN ACCORDANCE WITH ACI 318 FOR REVIEW PRIOR TO PLACEMENT.
3. CLASS F FLY ASH MAY BE SUBSTITUTED UP TO 25% FOR CEMENT AT A POUND-FOR-POUND RATE, UNLESS SPECIFIED OTHERWISE. DO NOT USE FLY ASH IN HIGH EARLY STRENGTH CONCRETE. CONCRETE MIXES THAT CONTAIN FLY ASH GREATER THAN 15% BY WEIGHT SHALL COMPLY WITH DSA IR 17-13.
4. CONCRETE EXPOSED TO FREEZE AND THAW CYCLES SHALL BE AIR ENTRAINED.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 OR A706 GRADE 60. BARS #3 AND SMALLER MAY BE ASTM A615 GRADE 40. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST. SECURELY TIE REBAR IN PLACE PRIOR TO CONCRETE PLACEMENT. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO INSTALLATION.

FABRIC CONSTRUCTION:

1. FABRIC SHALL BE COMMERCIAL 95 SHADECLOTH BY GALE PACIFIC, OR EQUIVALENT SHADECLOTH MADE FROM UV-STABILIZED HDPE MONOFILAMENT AND TAPE YARNS. FABRIC SHALL MEET THE PERFORMANCE SPECIFICATIONS BELOW (+/- 20%):

   WEIGHT: 12 OZ/SQUARE YARD MAX WEIGHT
   THICKNESS: 65 MILS MAX
   TENSILE STRENGTH PER ASTM D-5034 FOR 1" WIDTH:
   WARP = 95 LB/IN
   WEFT = 230 LB/IN
   MODULUS OF ELASTICITY (WEFT-TO-WARP STRESS RATIO = 1:4):
   WARP = 18 LB/IN
   WEFT = 180 LB/IN

2. FABRIC SEAMS: MEMBRANE SEAMS SHALL BE SEWN, ELECTROMECHANICALLY WELDED, FUSED, MECHANICALLY CONNECTED, OR CONNECTED BY ANY OTHER METHOD THAT COMPLIES WITH THE REQUIREMENTS OF ASCE 55-16. SEAMS BETWEEN FABRIC PANELS SHALL BE ABLE TO DEVELOP THE MINIMUM BREAKING STRENGTH OF SPECIFIED FABRIC. SEWN SEAMS SHALL CONFORM TO ASTM D6193.
3. FABRIC SHALL RETAIN 80% OF ITS TENSILE STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.
4. FABRIC SHALL MEET ASTM E84 FLAMMABILITY STANDARD.
5. ANNUAL INSPECTION AND MAINTENANCE: FABRIC SAMPLES OF THE SAME MATERIAL SHALL BE STORED AT THE PROJECT SITE IN A LOCATION THAT RECEIVES SIMILAR EXPOSURE AS THE STRUCTURE. ANNUAL TESTS SHALL BE PERFORMED ON FABRIC SAMPLES IN ACCORDANCE WITH ASTM D5034 AND D2261. IF FABRIC TENSILE STRENGTH VALUES DECREASE BY MORE THAN 50% FROM THAT LISTED IN ITEM 1 ABOVE, FABRIC SHALL BE REPLACED.
6. FABRIC SHALL BE REMOVED FROM STEEL FRAME IF SNOW OF ANY AMOUNT OR WINDS EXCEEDING 78 MPH (ASD) ARE PRESENT. PRIOR TO RE-INSTALLATION, A VISUAL INSPECTION OF THE FABRIC MATERIAL BY A DISTRICT REPRESENTATIVE IS REQUIRED. ALL SIGNIFICANT DAMAGE SHALL BE REPAIRED PRIOR TO RE-INSTALLATION.

STEEL CONSTRUCTION:

1. STEEL GRADES:
   C SHAPES, L SHAPES & PLATES................. ASTM A36, A572 GRADE 50 OR A529 GRADE 50 UNO
   PIPES .... ASTM A53 GRADE B
   SQUARE AND RECTANGULAR HSS .... ASTM A500 GRADE C F_y=50KSI
   MACHINE BOLTS (MB) .... ASTM A307
   MACHINE BOLT NUTS.................................. ASTM A563 GRADE A
   MACHINE BOLT WASHERS.......................... ASTM F844
   HIGH STRENGTH BOLTS (HSB) .... ASTM F3125 GRADE A325 OR F1852 UNO
   HIGH STRENGTH BOLT NUTS...................... ASTM A563 GRADE C AT A325
   ASTM A563 GRADE DH AT A490
   HIGH STRENGTH BOLT WASHERS............. ASTM F463 TYPE 1
2. WORKMANSHIP AND DETAILS SHALL CONFORM TO THE AISC SPECIFICATIONS AND THE CBC UNLESS NOTED OTHERWISE.
3. BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN THE BOLT.
4. WELDING ELECTRODES SHALL MEET AWS REQUIREMENTS AND ELECTRODES SHALL BE E70XX FOR SHIELDED METAL ARC, F7XX-EXXX FOR SUBMERGED ARC (SHOP WELDS ONLY), ER70S-X FOR GAS METAL ARC AND E7XT-XX FOR FLUX CORE (UNLESS NOTED OTHERWISE).
5. ALL STRUCTURAL WELDS SHALL BE INSPECTED AND CERTIFIED BY A QUALIFIED TESTING AGENCY. CERTIFICATION SHALL BE SUBMITTED TO THE PROJECT ARCHITECT AND DSA.
6. STEEL FRAMING WITH EXTERIOR EXPOSURE SHALL BE HOT-DIP GALVANIZED PER ASTM A123 CLASS 55 MINIMUM OR OTHERWISE FINISHED WITH A HIGH-PERFORMANCE EXTERIOR COATING, SUCH AS A ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT. ALL CONNECTION HARDWARE AT EXTERIOR EXPOSURE FRAMING SHALL BE HOT-DIP GALVANIZED PER ASTM A153 CLASS D OR ASTM F2329 OR PROTECTED WITH CORROSION-PREVENTATIVE COATING THAT DEMONSTRATES NO MORE THAN 2% OF RED RUST IN MIN 1,000 HRS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ASTM F3125 GRADE A325 HIGH-STRENGTH BOLT ASSEMBLIES MAY BE MECHANICALLY GALVANIZED PER ASTM B695 CLASS 55 OR HOT-DIP GALVANIZED PER ASTM F2329. MATING BOLTS AND NUTS SHALL RECEIVE THE SAME ZINC-COATING PROCESS. REPAIR ALL UNCOATED, DAMAGED, OR ALTERED GALVANIZED SURFACES PER ASTM A780. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

CABLE CONSTRUCTION:

1. STEEL CABLES SHALL MEET REQUIREMENTS SET FORTH IN ASCE 19-16 AND AS NOTED BELOW.
2. STEEL CABLES SHALL CONFORM TO FEDERAL SPECIFICATION RR-W-410 AND ASTM A1023 (6x19) OR ASTM A603 (7x19).
3. STEEL CABLES SHALL HAVE CORROSION PROTECTION AT LEAST EQUIVALENT TO CLASS A ZINC COATING ON ALL WIRES AS DEFINED IN ASTM A586 AND A603, EXCEPT THOSE COMPOSED OF STAINLESS STEEL WIRES. FIRE-PROTECTIVE COATING SHALL NOT BE CONSIDERED AS CORROSION PROTECTION. ZINC COATED CABLES SHALL ALSO MEET ASTM B6-09 AND ASTM A780/A780M-09.
4. 3/8"Ø OR SMALLER CABLES SHALL BE 7x19 GALVANIZED AIRCRAFT CABLE. 1/2"Ø OR LARGER CABLES SHALL BE 6x19 GALVANIZED EEIP IWRC (EXTRA EXTRA IMPROVED PLOW INDEPENDENT WIRE ROPE CORE) STEEL WIRE ROPE CABLE.

CABLE TYPE	Ø	MIN BREAKING STRENGTH	MAX PRESTRESS LOAD	MAX ASD DESIGN TENSION CAPACITY (Sa)
7x19 GALVANIZED AIRCRAFT CABLE	3/16"Ø	4,200 LBS	350 LBS	1,815 LBS
	1/4"Ø	7,000 LBS	400 LBS	3,025 LBS
	5/16"Ø	9,800 LBS	500 LBS	3,965 LBS
	3/8"Ø	14,400 LBS	650 LBS	6,220 LBS
6x19 EEIP IWRC	1/2"Ø	29,200 LBS	825 LBS	11,280 LBS
	5/8"Ø	45,400 LBS	1,000 LBS	15,890 LBS

5. STIFFNESS REQUIREMENTS OF CABLES:
   7x19 GALVANIZED AIRCRAFT: E = 12,000 - 14,000 KSI
   6x19 EEIP IWRC: E = 14,000 - 15,000 KSI

P.C. ENGINEER

ZFA STRUCTURAL ENGINEERS
601 MONTGOMERY STREET
SUITE 1450
SAN FRANCISCO, CA 94111
(415) 243-4091
ZFA PROJECT NUMBER: 24077

PROJECT DESCRIPTION

1. THIS IS A DESIGN FOR A DSA PRE-CHECK (P.C.) FOR A HIP ROOF SHADE STRUCTURE.
2. ENGINEERING HAS BEEN PROVIDED BASED ON THE LISTED DESIGN CRITERIA ASSUMPTIONS.
3. SITE-SPECIFIC ENGINEERING MUST BE PROVIDED UNDER A DSA APPLICATION AND THE DESIGN HEREIN MUST BE CONFIRMED OR MODIFIED BY A LICENSED CIVIL OR STRUCTURAL ENGINEER IN THE STATE OF CALIFORNIA.

BUILDING DATA

CONSTRUCTION TYPE: V-B
ALLOWABLE AREA: ____________
ALLOWABLE STORIES: 1
ALLOWABLE HEIGHT: ____________
USE: ____________
OCCUPANCY: ____________

NOTE: THE INTENDED USE AND OCCUPANCY MUST BE SPECIFIED ON THE SITE APPLICATION DRAWINGS.

HIP ROOF OPTIONS

	PLAN DIMENSION	SQFT	OCCUPANTS
☐	20'-0" x 20'-0"	400	80 MAX (OLF = 5)
☐	25'-0" x 25'-0"	625	125 MAX (OLF = 5)
☐	30'-0" x 30'-0"	900	180 MAX (OLF = 5)
☒	40'-0" x 40'-0"	1,600	228 MAX (OLF = 7)
☐	50'-0" x 50'-0"	2,500	228 MAX (OLF = 11)
☐	60'-0" x 60'-0"	3,600	240 MAX (OLF = 15)

OLF = OCCUPANT LOAD FACTOR PER CBC TABLE 1004.5

CODES AND STANDARDS

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, C.C.R.

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, VOLUMES 1 AND 2, C.C.R.

2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.

2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.

FIRE LIFE SAFETY (FLS)

1. NO FIRE SPRINKLER SYSTEM PROVIDED.
2. BUILDING NOT DESIGNED TO SUPPORT WEIGHT OF FIRE SPRINKLERS.
3. SHADE FABRIC SHALL MEET NFPA 701-2023 AND ASTM E-84 CLASS A FIRE STANDARDS.
4. SHADE FABRIC SHALL BE EITHER NONCOMBUSTIBLE AS SET FORTH IN CBC SECTION 703.3 OR SHALL BE FLAME RESISTANT IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN CCR, TITLE 19, DIVISION 1, CHAPTER 8. ROOF MEMBRANES SHALL BE MADE EITHER FROM FABRIC THAT HAS BEEN FLAME RESISTANT TREATED WITH AN APPROVED EXTERIOR CHEMICAL PROCESS BY AN APPROVED APPLICATION CONCERN, OR FROM INHERENTLY FLAME-RESISTANT FABRIC APPROVED AND LISTED BY THE STATE FIRE MARSHAL.
5. MEMBRANE FABRIC USED FOR EACH PROJECT-SPECIFIC INSTALLATION WILL REQUIRE A CALIFORNIA STATE FIRE MARSHAL AFFIDAVIT OR AFFIRMATION CERTIFICATION THAT MEMBRANE FABRIC REARDANT COMPLIES WITH CCR, TITLE 19, DIVISION 1, CHAPTER 8.
6. CHANGES TO THE DIVISION OF THE STATE ARCHITECT-APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS FOR CHANGES TO THE STRUCTURAL, ACCESSIBILITY, OR FIRE-LIFE SAFETY PORTIONS OF THE PROJECT. CHANGES SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK SHOWN THEREON. (CAC 4-338 (C)).
7. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER 33 AND CBC CHAPTER 33.

DESIGN PARAMETERS

SITES IN CALIFORNIA WHERE THIS P.C. DESIGN CANNOT BE USED:

1. AREAS WHERE THERE ARE SNOW LOADS
2. AREAS WITH WIND EXPOSURE D
3. AREAS WHERE Kzt IS GREATER THAN 1.0 PER ASCE 7-16 SECTION 26.8
4. AREAS WHERE THE ULTIMATE WIND SPEED IS GREATER THAN 100 MPH
5. FIRE HAZARD SEVERITY ZONES CLASSIFIED AS "VERY HIGH" IN ACCORDANCE WITH CBC CHAPTER 7A
6. FOR 50x50 AND 60x60 SHADE ONLY: AREAS WITH LIQUEFIABLE SOIL
7. ANYWHERE WHERE THE STRUCTURE IS DESIGNATED AS RISK CATEGORY III OR IV

SITE-SPECIFIC DSA STAMP:

SITE-SPECIFIC ENGINEER STAMP:

SHADE 'N NET
5711 W. WASHINGTON
PHOENIX, AZ 85043

CUSTOMER:

PROJECT:

ADDRESS:

PRODUCT:

PRE-CHECK DSA STAMP:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123279 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 07/01/2024

PRE-CHECK ENGINEER STAMP:

REGISTERED PROFESSIONAL ENGINEER
ANGELA M. SOMMER
6/19/24
STRUCTURAL
No. 6013
STATE OF CALIFORNIA

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

SHEET DESCRIPTION:

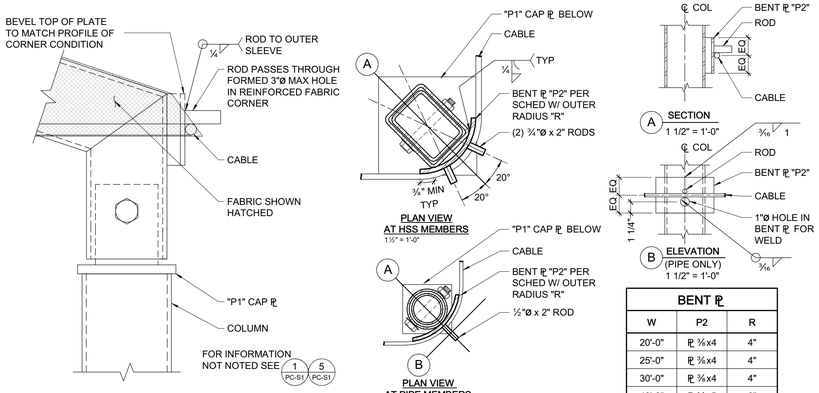
COVER SHEET

PAGE: 1 OF 3

SHEET:

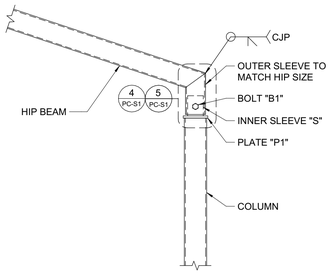
PC-C1

DATE: June 21, 2024



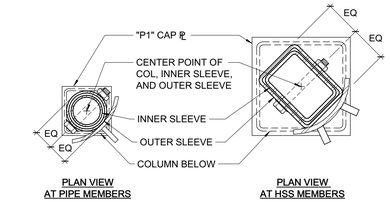
BENT ℙ		
W	P2	R
20'-0"	ℙ ⅜x4	4"
25'-0"	ℙ ⅜x4	4"
30'-0"	ℙ ⅜x4	4"
40'-0"	ℙ ½x5	6"
50'-0"	ℙ ½x5	6"
60'-0"	ℙ ⅝x5	6½"

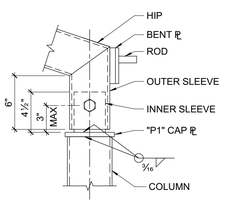
4 TOP OF COLUMN FABRIC/CABLE CONNECTION
3" = 1'-0"



HIP TO COLUMN CONNECTION SCHEDULE			
W	B1	S	P1
20'-0"	⅜"ø A325-N	PIPE 2½ STD	ℙ ⅜x4¼x0'-4¾"
25'-0"	½"ø A325-N	PIPE 3 STD	ℙ ⅜x5¼x0'-5¼"
30'-0"	½"ø A325-N	PIPE 5 STD	ℙ ½x9¾x0'-9¾"
40'-0"	¾"ø A325-N	PIPE 6 STD	ℙ ½x12¾x1'-¾"
50'-0"	¾"ø A325-N	HSS7x5x½	ℙ ¾x12¾x1'-0¾"
60'-0"	1"ø A325-N	HSS7x5x½	ℙ ¾x16¾x1'-4¾"

1 HIP TO COLUMN CONNECTION
3/4" = 1'-0"

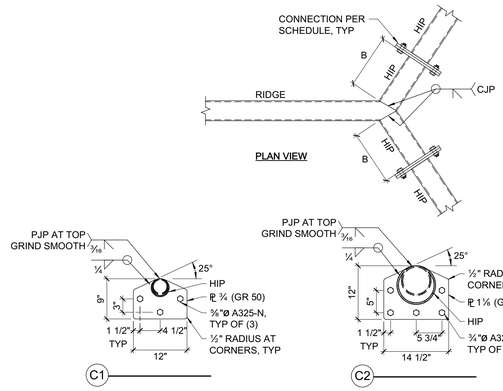




NOTE: FABRIC AND CABLE NOT SHOWN.

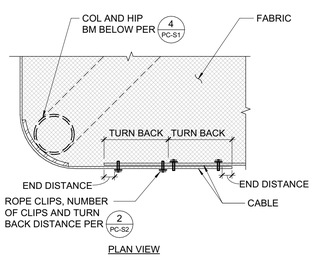
FOR INFORMATION NOT NOTED SEE 1 PC-S1 4 PC-S1

5 TOP OF COLUMN STEEL CONNECTION
1 1/2" = 1'-0"



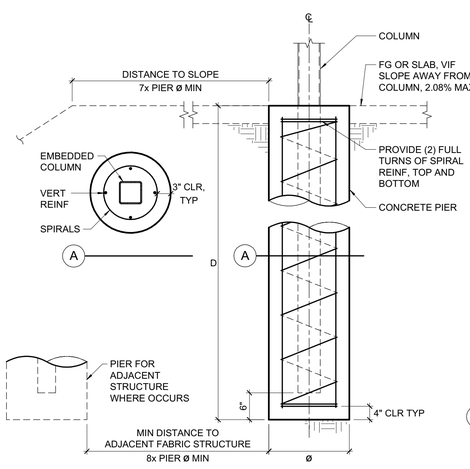
HIP TO RIDGE CONNECTION SCHEDULE		
W	CONN.	B
20'-0"	C1	24"
25'-0"	C1	24"
30'-0"	C2	36"
40'-0"	C2	36"
50'-0"	C3	36"
60'-0"	C3	36"

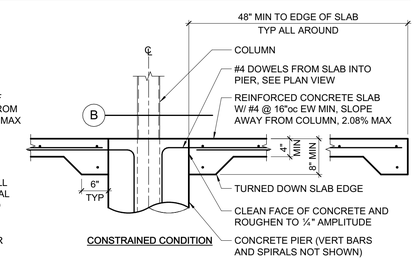
2 HIP TO RIDGE CONNECTION
3/4" = 1'-0"

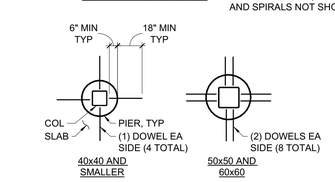


NOTES:
1. MIN NUMBER OF CLIPS PER 2/PC-S2 IS PER TURN BACK.
2. SIDE OF CLIP WITH NUT IS TO BE ON CONTINUOUS CABLE SIDE AS SHOWN.
3. END DISTANCE IS EQUAL TO WIDTH OF WIRE CLIP (DIMENSION "H" IN DETAIL 2/PC-S2)

6 WIRE ROPE CLIPS
1 1/2" = 1'-0"







B PLAN VIEW OF PIERS W/ DOWELS AT CONSTRAINED CONDITION
½" = 1'-0"

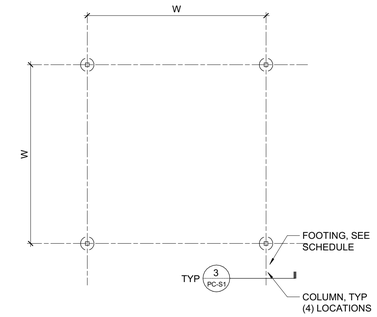
FOOTING SCHEDULE								
W	PIER WITH SLAB (CONSTRAINED)[1]				PIER WITHOUT SLAB (UNCONSTRAINED)			
	ø	D	REINFORCEMENT		ø	D	REINFORCEMENT	
			VERT	SPIRALS			VERT	SPIRALS
20'-0"	18"	5'-0"	(4) #5	#3 @ 10"oc	18"	7'-0"	(4) #5	#3 @ 10"oc
25'-0"	24"	5'-6"	(4) #5	#4 @ 10"oc	18"	9'-0"	(4) #5	#4 @ 10"oc
30'-0"	24"	5'-6"	(4) #5	#4 @ 10"oc	18"	9'-0"	(4) #5	#4 @ 10"oc
40'-0"	24"	8'-0"	(4) #5	#4 @ 10"oc	24"	11'-6"	(4) #5	#4 @ 10"oc
50'-0"	30"	9'-0"	(4) #5	#4 @ 10"oc	30"	14'-0"	(4) #5	#4 @ 10"oc
60'-0"	30"	10'-0"	(4) #5	#4 @ 10"oc	30"	16'-0"	(4) #5	#4 @ 10"oc

NOTES:
1. "CONSTRAINED" INDICATES THAT A REINFORCED CONCRETE SLAB IS PRESENT AT TOP OF PIER. ASPHALT PAVING OR NO PAVING IS CONSIDERED "UNCONSTRAINED."
2. PIERS ARE NOT SUBJECT TO DSA REQUIREMENTS FOR SOILS INSPECTIONS NOTED PER THE EXEMPTIONS OF DSA 103-22.

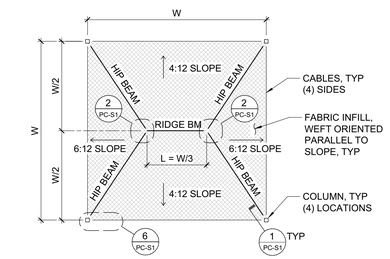
3 COLUMN FOOTING
3/4" = 1'-0"

FRAMING PLAN NOTES:

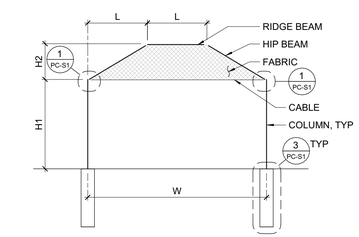
1. REFER TO SHEET PC-C1 FOR GENERAL NOTES AND SPECIFICATIONS.
2. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
3. NO FIRE PROTECTION SYSTEMS OR SOLAR PANELS ARE PERMITTED.
4. BEAM CENTERLINES TO ALIGN WITH COLUMN CENTERLINES.



FOUNDATION PLAN
1/8" = 1'-0"



ROOF PLAN
1/8" = 1'-0"



ELEVATION
1/8" = 1'-0"

FRAMING SCHEDULE								
W	L	H1	H2	COLUMN	HIP BEAM	RIDGE BEAM	CABLE	FABRIC PRESTRESS
20'-0"	6'-8"	10'-0"	3'-4"	HSS5x5x¼	PIPE 3 STD	PIPE 3 STD	⅜"ø	1.15 LB/IN
25'-0"	8'-4"	10'-0"	4'-2"	HSS6x6x⅜	PIPE 3½ STD	PIPE 3½ STD	¼"ø	1.15 LB/IN
30'-0"	10'-0"	12'-0"	5'-0"	HSS8x6x⅜	PIPE 6 STD	PIPE 6 STD	⅜"ø	1.15 LB/IN
40'-0"	13'-4"	14'-0"	6'-8"	HSS10x10x5/16	PIPE 8 STD	PIPE 8 STD	⅜"ø	1.15 LB/IN
50'-0"	16'-8"	12'-0"	8'-4"	HSS14x14x⅜	HSS8x6x¼	HSS8x6x¼	½"ø	1.15 LB/IN
60'-0"	20'-0"	12'-0"	10'-0"	HSS14x14x½	HSS8x6x⅜	HSS8x6x⅜	⅝"ø	1.15 LB/IN

NOTE: TERMINATE CABLE WITH WIRE ROPE THIMBLE AND CLIPS PER 2/PC-S2 AND 3/PC-S2 . INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

SITE-SPECIFIC DSA STAMP:

SITE-SPECIFIC ENGINEER STAMP:

Shade 'n Net

SHADE 'N NET
5711 W. WASHINGTON
PHOENIX, AZ 85043

CUSTOMER:

PROJECT:

ADDRESS:

PRODUCT:

PRE-CHECK DSA STAMP:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123279 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 07/01/2024

PRE-CHECK ENGINEER STAMP:

REGISTERED PROFESSIONAL ENGINEER
ANGELA M. SOMMER
6/19/24
STRUCTURAL
No. 6013
STATE OF CALIFORNIA

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

SHEET DESCRIPTION:

ROOF PLAN, ELEVATION, DETAILS

PAGE: 2 OF 3

SHEET:

PC-S1

DATE: June 21, 2024

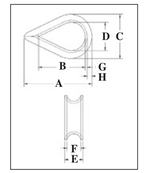
6/19/2024 3:02:38 PM

CROSBY® G-411 STANDARD WIRE ROPE THIMBLES:

Wire Rope Thimbles

G-411

- Hot Dip galvanized steel.
- The standard choice for light duty applications and loading conditions.



Standard Wire Rope Thimbles

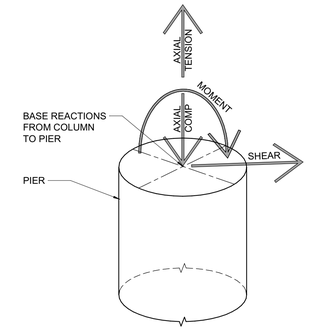
Rope Dia. (in)	Rope Dia. (mm)	G-411 Stock No	Weight Per 100 (lb)	Dimensions (in) A	B	C	D	E	F	G	H
1/8	3-4	1037256	3.50	1.94	1.31	1.06	.69	.25	.16	.05	.13
3/16	5	1037274	3.50	1.94	1.31	1.06	.69	.31	.22	.05	.13
1/4	6-7	1037292	3.50	1.94	1.31	1.06	.69	.38	.28	.05	.13
5/16	8	1037318	4.00	2.13	1.50	1.25	.81	.44	.34	.05	.13
3/8	9-10	1037336	6.70	2.38	1.63	1.47	.94	.53	.41	.06	.16
1/2	11-13	1037354	12.50	2.75	1.88	1.75	1.13	.69	.53	.08	.19
5/8	16	1037372	34.50	3.50	2.25	2.38	1.38	.91	.66	.13	.34
3/4	18-20	1037390	47.10	3.75	2.50	2.69	1.63	1.08	.78	.14	.34
7/8	22	1037416	84.60	5.00	3.50	3.19	1.88	1.27	.94	.16	.44
1	24-26	1037434	97.50	5.69	4.25	3.75	2.50	1.39	1.06	.16	.41
1-1/8 - 1-1/4	28-32	1037452	175.00	6.25	4.50	4.31	2.75	1.75	1.31	.22	.50

G-411 meets the performance requirements of Federal Specification FF- -276b Type II, except for those provisions required of the contractor. For additional information, see page 444.

NOTE: INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

3 WIRE ROPE THIMBLE CUT SHEET
NOT TO SCALE

GOVERNING COLUMN FOOTING LOADS					
W	CASE	GOVERNING LOAD COMBINATION	AXIAL (LBS)	SHEAR (LBS)	MOMENT (LB-FT)
20'-0"	1	ASD 16-12d: D + 0.6W (B-90)	**721**	514	5049
	2	ASD 16-15c: 0.6D + 0.6W (A-90)	**-355**	1175	11548
	3	ASD 16-15c: 0.6D + 0.6W (A-90)	-355	**1175**	11548
	4	ASD 16-15c: 0.6D + 0.6W (A-90)	-355	1175	**11548**
25'-0"	1	ASD 16-12d: D + 0.6W (B-90)	**1151**	904	8859
	2	ASD 16-15c: 0.6D + 0.6W (A-90)	**-542**	2406	23587
	3	ASD 16-15c: 0.6D + 0.6W (A-90)	-542	**2406**	23587
	4	ASD 16-15c: 0.6D + 0.6W (A-90)	-542	2406	**23587**
30'-0"	1	ASD 16-12d: D + 0.6W (B-90)	**1754**	1072	12506
	2	ASD 16-15c: 0.6D + 0.6W (A-90)	**-725**	2022	23601
	3	ASD 16-15b: 0.6D + 0.6W (B-0)	-527	**2045**	23866
	4	ASD 16-15b: 0.6D + 0.6W (B-0)	-527	2045	**23866**
40'-0"	1	ASD 16-12d: D + 0.6W (B-90)	**3176**	2146	29122
	2	ASD 16-15c: 0.6D + 0.6W (A-90)	**-1254**	4540	61613
	3	ASD 16-15c: 0.6D + 0.6W (A-90)	-1254	**4540**	61613
	4	ASD 16-15c: 0.6D + 0.6W (A-90)	-1254	4540	**61613**
50'-0"	1	ASD 16-12d: D + 0.6W (B-90)	**4482**	3713	43082
	2	ASD 16-15c: 0.6D + 0.6W (A-90)	**-2269**	10533	122200
	3	ASD 16-15c: 0.6D + 0.6W (A-90)	-2269	**10533**	122200
	4	ASD 16-15c: 0.6D + 0.6W (A-90)	-2269	10533	**122200**
60'-0"	1	ASD 16-12d: D + 0.6W (B-90)	**6593**	5528	64138
	2	ASD 16-15c: 0.6D + 0.6W (A-90)	**-3202**	15108	175290
	3	ASD 16-15c: 0.6D + 0.6W (A-90)	-3202	**15108**	175290
	4	ASD 16-15c: 0.6D + 0.6W (A-90)	-3202	15108	**175290**



NOTES:
1. LOAD COMBINATION 1 CORRESPONDS TO CONCURRENT LOADS WHICH GENERATE MAXIMUM COMPRESSION.
2. LOAD COMBINATION 2 CORRESPONDS TO CONCURRENT LOADS WHICH GENERATE MAXIMUM TENSION.
3. LOAD COMBINATION 3 CORRESPONDS TO CONCURRENT LOADS WHICH GENERATE MAXIMUM SHEAR.
4. LOAD COMBINATION 4 CORRESPONDS TO CONCURRENT LOADS WHICH GENERATE MAXIMUM MOMENT.
5. NEGATIVE AXIAL LOADS INDICATE UPLIFT (TENSION).
6. ALL LOADS ARE FACTORED ASD LEVEL LOADS PER CBC 2022 LOAD COMBINATIONS.
7. WIND LOAD CASES ARE DESIGNATED AS ('X'-'N') WHERE 'X' INDICATES WIND LOAD CASE ('A' OR 'B') PER ASCE 7-16 CHAPTER 27, AND 'N' INDICATES WIND ANGLE IN DEGREES RELATIVE TO THE RIDGE BEAM ('0' OR '90').

1 COLUMN FOOTING LOADS
NOT TO SCALE

FLAME RETARDANT

Fabric Registration

LICENSE NUMBER: F-037801

COMMERCIAL NINETYFIVE 340FR

Product Marketed by:

GALE PACIFIC LTD
145 WOODLANDS DRIVE
BRAESIDE, AUSTRAILIA 3195, ,

Issue Date : 05/29/2024
Expiration Date : 06/30/2025

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code. The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS published by the California State Fire Marshal.

Issued By Cortney Walker
Fire Engineering License Manager
Fire Engineering & Investigations Division

Reviewed and Approved By Patricia Setter
Deputy State Fire Marshal III
Fire Engineering & Investigations Division

OFFICE OF THE STATE FIRE MARSHAL

Please visit calfire.govmotus.org for more information on Licensing and Permitting with CAL FIRE

Page 1 of 1

4 FABRIC FLAME RETARDANT CERTIFICATE
1 1/2" = 1'-0"

CROSBY® 450 "RED-U-BOLT" WIRE ROPE CLIPS:

WIRE ROPE END FITTINGS

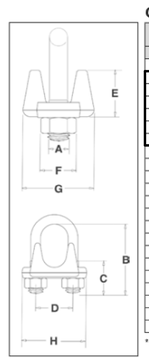
Forged Wire Rope Clip

G-450
Red-U-Bolt®,Clip
Crosby Clips, all sizes 1/4" and larger, meet the performance requirements of Federal Specification FF-C-450E TYPE 1 CLASS 1, except for those provisions required of the contractor. For additional information, see page 452.

- Each base has a Product Identification Code (PIC) for material traceabilit , the name CROSBY or CG, and a size forged into it.
- Based on the catalog breaking strength of wire rope, Crosby wire rope clips have an efficiency rating of 80% for 1/8" through 7/8" sizes, and 90% for sizes 1" through 3-1/2".
- Entire Clip is Galvanized to resist corrosive and rusting action.
- Sizes 1/8" through 2-1/2" and 3" have forged bases.
- All Clips are individually bagged or tagged with proper application instructions and warning information.
- Clip sizes up through 1-1/2" have rolled threads.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductilit , design factor, proof load and temperature requirements. Importantly, these wire rope clips meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Look for the Red-U-Bolt®, your assurance of Genuine Crosby Clips.

SEE APPLICATION AND WARNING INFORMATION
Page 56
Para Español: www.thecrosbygroup.com

G-450 Crosby Clips



Rope Size (in)	Rope Size (mm)	G-450 Stock No.	Std. Package Qty.	Weight Per 100 (lb)	Dimensions (in) A	B	C	D	E	F	G	H
1/8	3-4*	1010015	100	6	.22	.72	.44	.47	.37	.38	.81	.99
3/16*	5*	1010033	100	10	.25	.97	.56	.59	.50	.44	.94	1.18
1/4	6-7	1010051	100	19	.31	1.03	.50	.75	.66	.56	1.19	1.43
5/16	8	1010079	100	28	.38	1.38	.75	.88	.73	.69	1.31	1.66
3/8	9-10	1010097	100	48	.44	1.50	.75	1.00	.91	.75	1.63	1.94
7/16 - 1/2	11-13	1010131	50	80	.50	1.88	1.00	1.19	1.13	.88	1.91	2.28
9/16 - 5/8	14-16	1010177	50	110	.56	2.25	1.25	1.31	1.34	.94	2.06	2.50
3/4	18-20	1010195	25	142	.62	2.75	1.44	1.50	1.39	1.06	2.25	2.84
7/8	22	1010211	25	212	.75	3.12	1.62	1.75	1.58	1.25	2.44	3.16
1	24-26	1010239	10	252	.75	3.50	1.81	1.88	1.77	1.25	2.63	3.47
1-1/8	28-30	1010257	10	283	.75	3.88	2.00	2.00	1.91	1.25	2.81	3.59
1-1/4	32-34	1010275	10	438	.88	4.44	2.22	2.34	2.17	1.44	3.13	4.13
1-3/8	36	1010293	10	442	.88	4.44	2.22	2.34	2.31	1.44	3.13	4.19
1-1/2	38	1010319	10	544	.88	4.94	2.38	2.59	2.44	1.44	3.41	4.44
1-5/8	41-42	1010337	Bulk	704	1.00	5.31	2.62	2.75	2.66	1.63	3.63	4.75
1-3/4	44-46	1010355	Bulk	934	1.13	5.75	2.75	3.06	2.92	1.81	3.81	5.24
2	48-52	1010373	Bulk	1300	1.25	6.44	3.00	3.38	3.03	2.00	4.44	5.88
2-1/4	56-58	1010391	Bulk	1600	1.25	7.13	3.19	3.88	3.19	2.00	4.56	6.38
2-1/2	62-65	1010417	Bulk	1900	1.25	7.69	3.44	4.13	3.69	2.00	4.69	6.63
** 2-3/4	** 68-72	1010435	Bulk	2300	1.25	8.31	3.56	4.38	4.88	2.00	5.00	6.88
3	75-78	1010453	Bulk	3100	1.50	9.19	3.88	4.75	4.44	2.38	5.31	7.61
** 3-1/2	** 85-90	1010426	Bulk	4000	1.50	10.75	4.50	5.50	6.00	2.38	6.19	8.38

* Electro-plated U-Bolt and Nuts. ** 2-3/4" and 3-1/2" base is made of cast steel.

Table 1

Rope Size (in)	Rope Size (mm)	Minimum No. of Clips	Amount of Rope to Turn Back in inches	* Torque in ft•lbf
1/8	3-4	2	3-1/4	4.5
3/16	5	2	3-3/4	7.5
1/4	6-7	2	4-3/4	15
5/16	8	2	5-1/4	30
3/8	9-10	2	6-1/2	45
7/16	11-12	2	7	65
1/2	13	3	11-1/2	65
9/16	14-15	3	12	95
5/8	16	3	12	95
3/4	18-20	4	18	130
7/8	22	4	19	225
1	24-25	5	26	225
1-1/8	28-30	6	34	225
1-1/4	33-34	7	44	360
1-3/8	36	7	44	360
1-1/2	38-40	8	54	360
1-5/8	41-42	8	58	430
1-3/4	44-46	8	61	590
2	48-52	8	71	750
2-1/4	56-58	8	73	750
2-1/2	62-65	9	84	750
2-3/4	68-72	10	100	750
3	75-78	10	106	1200
3-1/2	85-90	12	149	1200

If a pulley (sheave) is used for turning back the wire rope, add one additional clip. See Figure 4.
If a greater number of clips are used than shown in the table, the amount of turnback should be increased proportionately.
*The tightening torque values shown are based upon the threads being clean, dry, and free of lubrication.

NOTE: INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

2 WIRE ROPE CLIP CUT SHEET
NOT TO SCALE

6/19/2024 3:02:40 PM

SITE-SPECIFIC DSA STAMP:

SITE-SPECIFIC ENGINEER STAMP:

SHADE 'N NET
5711 W. WASHINGTON
PHOENIX, AZ 85043

CUSTOMER:

PROJECT:

ADDRESS:

PRODUCT:

PRE-CHECK DSA STAMP:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123279 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 07/01/2024

PRE-CHECK ENGINEER STAMP:

REGISTERED PROFESSIONAL ENGINEER
ANGELA M. SOMMER
STRUCTURAL
No. 6013
STATE OF CALIFORNIA

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

SHEET DESCRIPTION:

BASE REACTIONS & CUT SHEETS

PAGE: 3 OF 3

SHEET:

PC-S2

DATE: June 21, 2024