

ABBREVIATIONS:	
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
CFOI	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
MDP	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
OFOI	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	UNDERWRITERS 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	PART NUMBER	NOTES / DETAIL REFERENCES
	(N) SURFACE MOUNTED CONDUIT	COMMERCIAL GENERIC	N/A	GREY = EXISTING
	(E) UNDERGROUND CONDUIT	N/A	N/A	N/A
	(N) MEDIUM CAPACITY SURFACE MOUNTED CABLE RACEWAY	WIREMOLD	WM2300	GREY = EXISTING
	(N) HIGH CAPACITY SURFACE MOUNTED CABLE RACEWAY	WIREMOLD	WM5400	GREY = EXISTING
	(N) CONDUIT STUB	COMMERCIAL GENERIC	N/A	GREY = EXISTING
	(E) CONDUIT RISER	N/A	N/A	N/A
	(E) DATA RACK	EXISTING	EXISTING	N/A
	(E) GROUND BOX	N/A	N/A	N/A
	(N) JUNCTION BOX	COMMERCIAL GENERIC	N/A	GREY = EXISTING
	(E) MINIMAL POINT OF ENTRY	EXISTING	EXISTING	N/A
	(E) INTERCOM CONTROL CENTER HEADEND	EXISTING	EXISTING	N/A
	(E) INTRUSION KEYPAD	EXISTING	EXISTING	N/A
	(N) CAT6A DATA DROP LOCATION (QTY = 1) - IP CLOCKSPEAKER/IP MODULE COMBO BOX	RAULAND	SEE SHEET T400	N/A
	(N) CAT6A DATA DROP LOCATION - WALL MOUNTED SPEAKER/IP MODULE	RAULAND	SEE SHEET T400	N/A
	(N) CAT6A DATA DROP LOCATION - EXTERIOR INTERCOM SPEAKER/IP MODULE	RAULAND & LOWELL	SEE SHEET T400	N/A
	(N) CAT6A DATA DROP LOCATION - LARGE MESSAGE BOARD	RAULAND	SEE SHEET T400	N/A
	(N) CAT6A DATA DROP LOCATION	SEE 27 10 00	SEE 27 10 00	QTY. AS PER PLAN

CONTRACTOR FURNISHED DOCUMENTS:	
(SHOP DRAWINGS / PRODUCT SUBMITTALS / QUALIFICATIONS)	
1. ORDERING AND INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL THE FOLLOWING:	
1.1. CONTRACTOR FURNISHED SHOP DRAWINGS ARE RECEIVED AND APPROVED BY THE DESIGNER.	
1.2. PRODUCT SUBMITTAL DOCUMENTS ARE RECEIVED AND APPROVED BY THE DESIGNER.	
1.3. APPLICABLE QUALIFICATION DOCUMENTATION ARE RECEIVED AND APPROVED BY THE DESIGNER.	
2. ANY DESIGN AND/OR INSTALLATION DISCREPANCIES/CHANGE ORDER REQUESTS ARE TO BE ADDRESSED AT TIME OF SHOP DRAWING CREATION. CHANGE ORDERS AFTER APPROVED SHOP DRAWINGS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.	
3. ALTERNATIVE PRODUCTS ARE TO SUBMITTED WITH A FORMAL SUBSTITUTION REQUEST AND THE CONTRACTOR IS RESPONSIBLE FOR DEMONSTRATING PRODUCT FULL EQUIVALENCY.	
4. IT SHALL BE UNDERSTOOD THAT THE DRAWINGS, DETAILS, AND ONE-LINES PROVIDED WITH THE DESIGN PACKAGE ARE DIAGRAMMATIC. INFORMATION PRESENTED IN DESIGN DRAWINGS ARE AS ACCURATE AS POSSIBLE, BUT ACCURACY IS NOT GUARANTEED AND FIELD VERIFICATION OF ALL DIMENSIONS, ROUTING, ETC., BY THE CONTRACTOR IS REQUIRED.	
5. DRAWINGS AND SPECIFICATIONS ARE PROVIDED TO SHOW THE INTENT OF THE DESIGN TO ASSIST THE CONTRACTOR IN SUBMITTING AN ACCURATE BID. CONTRACTOR IS DIRECTED TO MAKE FIELD SURVEYS AS PART OF THEIR WORK PRIOR TO SUBMITTING SYSTEM LAYOUT DRAWINGS (SHOP DRAWINGS). THE CONTRACTOR SHALL MAKE ALLOWANCE IN THE PROPOSAL TO COMPLY WITH THE INTENT OF THE DESIGN.	
6. IN CASE OF DOUBT OF WORK INTENDED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST INSTRUCTIONS FROM THE DESIGNER OR OWNER PRIOR TO BID.	
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE, OPERABLE, AND FULLY FUNCTIONING SYSTEM.	

TECHNOLOGY GENERAL PROJECT NOTES:	
1. UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY TEST OF THE ENTIRE SYSTEMS IN THE PRESENCE OF THE ARCHITECT/DESIGNER, INSPECTOR, AND THE OWNER.	
2. A STAMPED SET OF APPROVED SYSTEM DESIGN DOCUMENTS, AND CONTRACTOR FURNISHED SHOP DRAWINGS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. THE CONTRACTOR SHALL INCORPORATE ANY AND ALL REVISIONS TO DRAWINGS SETS AS REQUIRED. ANY DEVIATION FROM APPROVED DESIGN DOCUMENTS, INCLUDING THE SUBSTITUTION OF DEVICES, SHALL BE APPROVED BY THE ARCHITECT/DESIGNER AND THE OWNER PRIOR TO INSTALLATION.	
3. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/DESIGNER PRIOR TO INSTALLATION.	
4. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH THROUGH PENETRATION FIRST STOP SYSTEMS WITH A "T" RATING EQUAL TO THE ASSEMBLY PENETRATED. SEE DETAILS ON SHEET T801 FOR MORE INFORMATION.	
5. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH DEVICE. DO NOT SPlice THE WIRE. THERE MUST BE AT LEAST 6" OF LEAD WIRE FROM THE BOX TO THE DEVICE.	
6. ALL CLOCK, BELL, AND INTERCOM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY, OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CABLES ARE ONLY PERMITTED IF INDICATED ON DESIGN DOCUMENTS AS "EXPOSED".	
7. LOW VOLTAGE PANELS, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURER'S SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT FOR 20 lbs., WITHOUT SPECIAL MOUNTING DETAILS.	
8. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/DESIGNER AT A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO FINAL INSPECTION FOR FINAL PUNCH ALL ITEMS ON PUNCH LIST MUST BE COMPLETE FOR JOB TO FINAL.	
9. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE ALL PROJECT AS-BUILT DRAWINGS AND MANUALS PER SPECIFICATIONS.	
10. THE CONTRACTOR SHALL ALSO PROVIDE A TYPED RECORD OF COMPLETION. A FINAL WILL NOT BE GRANTED UNTIL THE ABOVE IS APPROVED BY THE OWNER.	
11. THE TERM "PROVIDE" SHALL MEAN TO FURNISH, INSTALL AND MAKE FULLY OPERATIONAL.	

SCOPE OF WORK:	
1. THE CONTRACTOR SHALL PROVIDE ALL CLOCK, BELL AND INTERCOM 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 REMOVE OLD OR ABANDONED CLOCK, BELL AND INTERCOM COMPONENTS (INCLUDING WIRE AND PATHWAY) AND PLATE OVER ANY OPENINGS.	
4. THE CONTRACTOR SHALL TOUCH UP PAINT TO MATCH EXISTING CONDITIONS FOR NEW LOCATIONS FOR INSTALL OR AREAS OF DEMOLITION.	
5. THE CONTRACTOR SHALL COORDINATE CUTOVERS AND ACTIVATION/COMMISSIONING OF NEW SYSTEM WITH DISTRICT REPRESENTATIVE AND DISTRICT STAFF.	
6. THE CLOCK/INTERCOM SYSTEM SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES THAT SCHOOL IS IN SESSION.	

SYSTEM PROGRAMMING AND COMMISSIONING REQUIREMENTS:	
1. THE DISTRICT WILL PERFORM ALL DATA NETWORK (CISCO) SWITCH PROGRAMMING. ALL OTHER PROGRAMMING/COMMISSIONING IS THE RESPONSIBILITY OF THE CONTRACTOR.	
2. TO FACILITATE DATA NETWORK SWITCH PROGRAMMING BY THE DISTRICT, THE CONTRACTOR SHALL PROVIDE, NO LATER THAN 14 CALENDAR DAYS PRIOR TO CUTOVER, AN INVENTORY OF SWITCH PORTS THAT WILL BE UTILIZED BY THE TELECENTER SYSTEM. THIS SHALL INCLUDE ALL DATA DROPS, NEW AND EXISTING.	

PROJECT CODES AND STANDARDS:	
PARTIAL LIST OF APPLICABLE CODES AND STANDARDS EFFECTIVE : JANUARY 1, 2023:	
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1	
2022 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2 (2018 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)	
2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3 (2017 NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)	
2022 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4 (2018 UNIFORM MECHANICAL CODE, WITH CALIFORNIA AMENDMENTS)	
2022 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6	
2022 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9 (2018 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	

ANCHORAGE AND BRACING NOTES:	
APPLICABLE CODE: 2022 CBC	REVISED: 12/23/2024
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 THRU 30:	
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.	
2. TEMPORARY, MOVEABLE 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, MOVEABLE 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 COMPONENTS.	
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION 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 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 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 SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.	
MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E)	
MP : MD : PP : E : OPTION 1: PROJECT-SPECIFIC DESIGN.	
MP : MD : PP : E : OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.	
MP : MD : PP : E : OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.	

SHEET INDEX:	
SHEET	DESCRIPTION
T000	TECHNOLOGY COVER SHEET
T010	TECHNOLOGY SITE PLAN DEMO
T100	TECHNOLOGY SITE PLAN NEW
T101	TECHNOLOGY SITE PLAN - EXTERIOR INTERCOM
T200	TECHNOLOGY FLOOR PLAN NEW - MDF 1.00 AND IDF 1.02
T201	TECHNOLOGY FLOOR PLAN NEW - IDF 1.01
T202	TECHNOLOGY FLOOR PLAN NEW - IDF 1.03, 1.04 AND 1.05
T203	TECHNOLOGY FLOOR PLAN NEW - IDF 1.06 AND 1.07
T400	TECHNOLOGY RACK ELEVATIONS
T401	TECHNOLOGY RACK ELEVATIONS
T402	TECHNOLOGY SINGLE LINE DIAGRAMS
T800	TECHNOLOGY DETAILS
T801	TECHNOLOGY DETAILS

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 CABLEING (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.	



KMM SERVICES, INC
TECHNOLOGY & FIRE LIFE SAFETY

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SHEET REVISIONS		
DELTA	DESCRIPTION	DATE

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
COVER SHEET

DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	
BID PACKAGE:	#0010-464
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-21
WORKING DATE:	2025-03-21

REVISION

SHEET
T000

DEMO ALL
ABANDONED AND
CUT CABLING (TYP.)

DEMO RACK

DEMO CLOCK TERMINAL
BLOCKS (NOT SHOWN,
ABOVE RACK)

DEMO CLOCK
POWER SUPPLY

DEMO ALL 66
BLOCKS AND
ASSOCIATED
CABLING

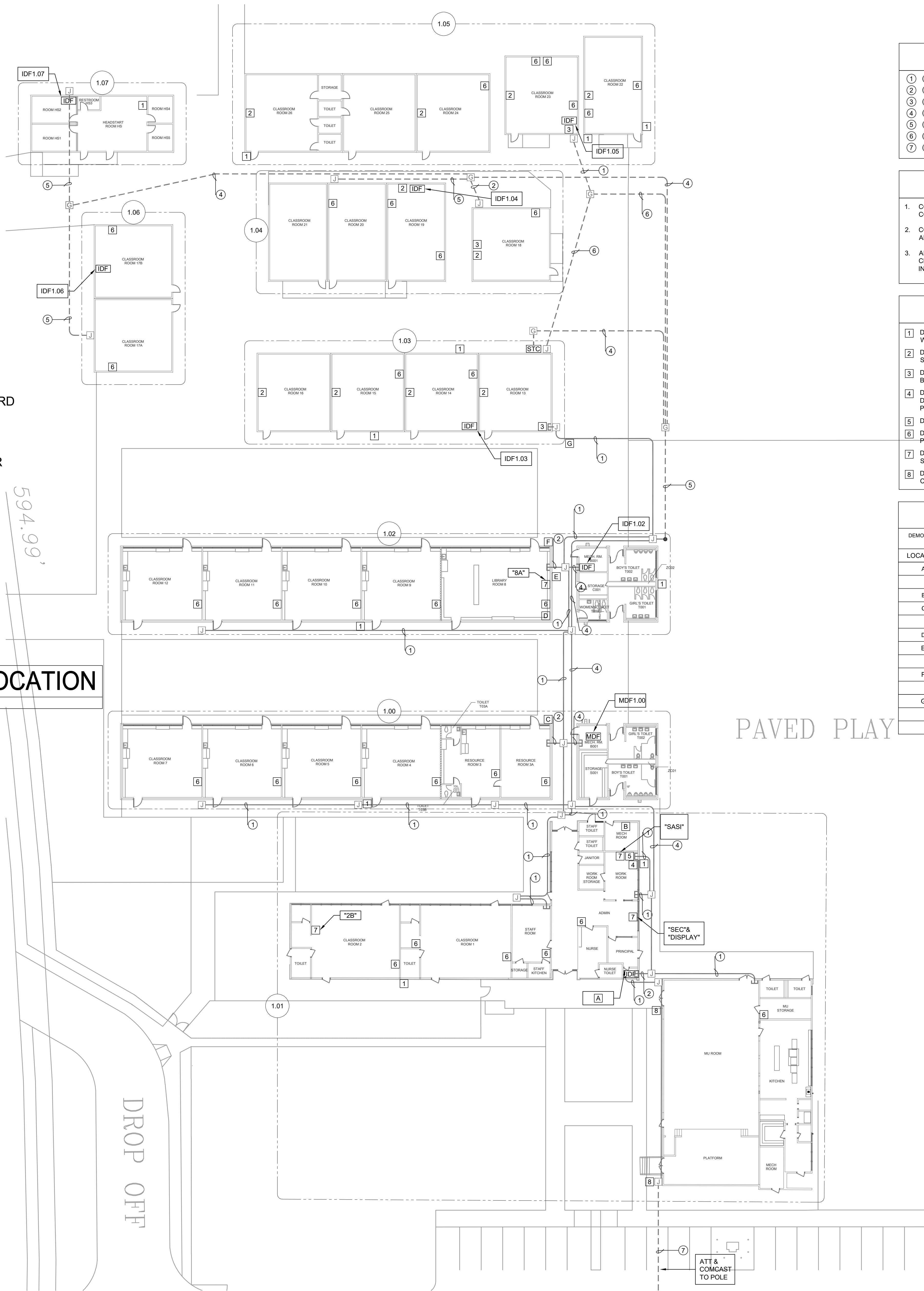
DEMO BACKBOARD

DEMO AMPLIFIER

PIC. DETAIL - DEMO AT (E) TELECENTER HEADEND LOCATION



PIC. DETAIL - ABANDONED AP MOUNT AND CABLE (TYP.)



CONDUIT QTY. AND SIZE:

- 1 (E) 1 EA. 2" CONDUITS.
- 2 (E) 2 EA. 2" CONDUITS.
- 3 (E) 3 EA. 2" CONDUITS.
- 4 (E) 4 EA. 2" CONDUITS.
- 5 (E) 4 EA. 1.25" CONDUITS.
- 6 (E) 1 EA. 1" CONDUITS.
- 7 (E) 1 EA. 4" CONDUITS.

GENERAL NOTES:

- 1. CONTRACTOR SHALL TOUCH UP PAINT TO MATCH EXISTING CONDITIONS FOR ALL AREAS OF NEW INSTALL OR DEMOLITION.
- 2. CONTRACTOR SHALL DEMO ALL SURFACE RACEWAY OR CONDUIT ABANDONED AS A RESULT OF DEMO.
- 3. AFTER CUTOVER TO NEW SYSTEMS, ALL ANALOG INTERCOM AND CLOCK CABLING SHALL BE DEMOED FROM ENDPOINT TO ENDPOINT, INCLUDING WITHIN CONDUITS AND PULLBOXES.

SHEET NOTES:

- 1 DEMO (E) SPEAKER AND BACKBOX. DEMO CABLE TO SOURCE. WATERPROOF ANY PENETRATIONS.
- 2 DEMO ABANDONED WIRELESS AP MOUNT ON WALL AND CABLE TO SOURCE, AS OCCURS. SEE PICTURE DETAIL.
- 3 DEMO ABANDONED IDF CABINET OR BRACKET ON WALL. DEMO BACKBOARD AS OCCURS.
- 4 DEMO TELECENTER HEADEND EQUIPMENT INCLUDING WALL RACK. DELIVER HEADEND UNIT TO DISTRICT ELECTRONICS SHOP. SEE PICTURE DETAIL.
- 5 DEMO CLOCK POWER SUPPLY. SEE PICTURE DETAIL.
- 6 DEMO ANALOG TELEPHONE WALL PLATE AND CABLING TO SOURCE. PROVIDE BLANK COVER PLATE.
- 7 DEMO ABANDONED DATA DROP LOCATION AND CABLING TO SOURCE. PROVIDE BLANK COVER PLATE AS REQ'D.
- 8 DEMO ABANDONED COAX TERMINAL CABINET, ASSOCIATED COAX CABLING, AND AERIAL CABLE TO POLE.

DEMO TAG NOTES:

DEMO NOTED CABLE OR ITEM COMPLETELY, FROM ENDPOINT TO ENDPOINT, INCLUDING WITHIN CONDUITS AND PULL BOXES.

LOCATION	TAG ID	DESCRIPTION
A	232920	3 EA. CAT3, 1 EA. CAT 5
	232931	1 EA. CAT3
B	232969	1 EA. CAT3 AND BISCUIT BLOCK
C	232970	1 EA. CAT3
D	232911	4 EA. RG6 AND SPLITTER
E	232919	1 EA. RG6 AND 18/2 CABLE
F	232917	1 EA. 1/2" CONDUIT (DEMO ENTIRE LENGTH)
	232918	1 EA. 1" CONDUIT (DEMO ENTIRE LENGTH)
G	232915	5 EA. CAT3
	232916	1 EA. RG6
	232912	2 EA. CAT3
	232913	1 EA. 3/4" CONDUIT (DEMO ENTIRE LENGTH)
	232914	1 EA. CAT3



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RONNY KAGSTROM
Signature
Expires 10/31/2027
Regis. No. 163629

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UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
SITE PLAN - DEMO

DRAWING STATUS
CONSTRUCTION DOCUMENTS

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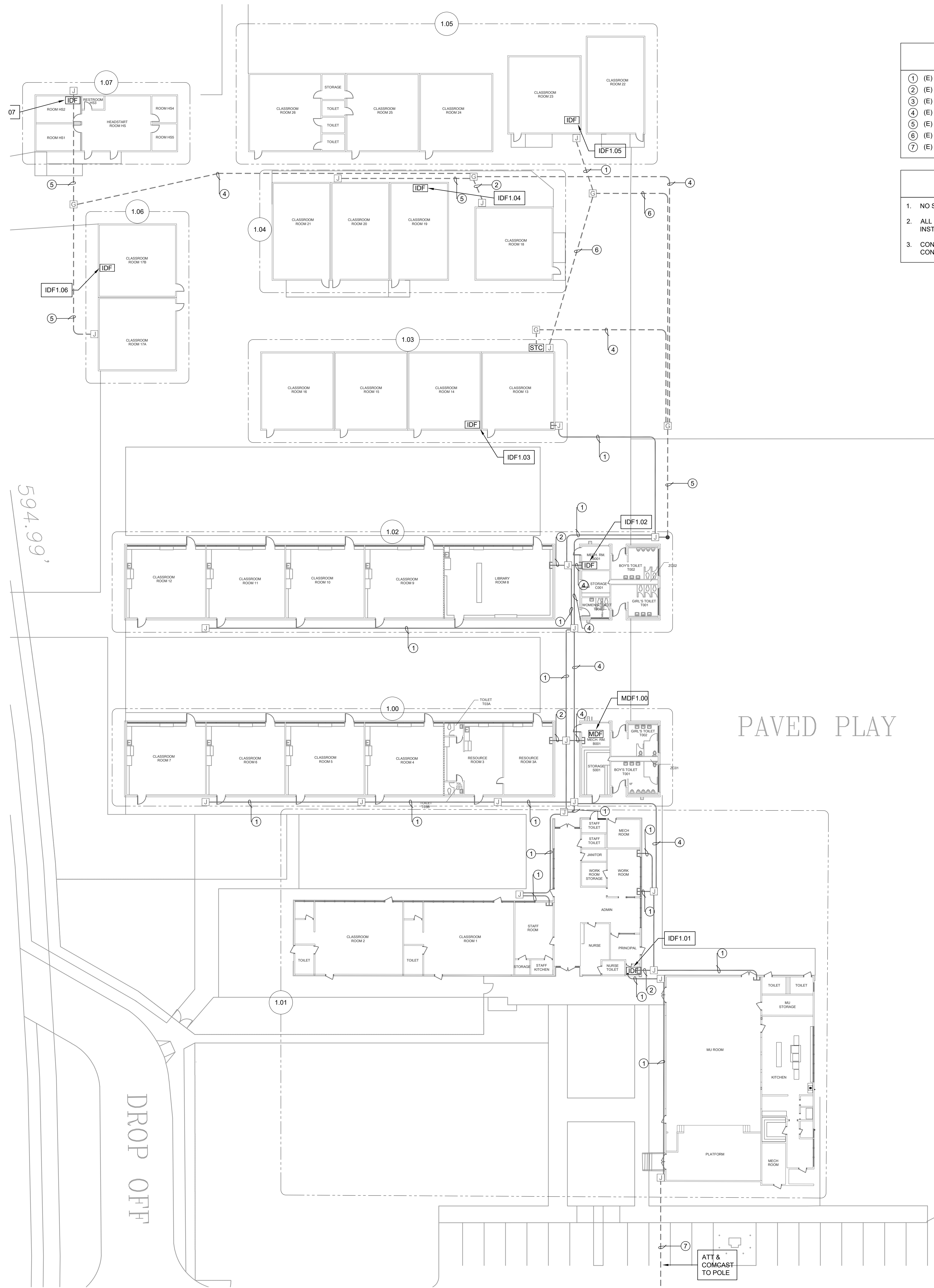
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T010

TECHNOLOGY SITE PLAN - DEMO

SCALE: 1"=30'





- CONDUIT QTY. AND SIZE:
- 1

(E) 1 EA. 2" CONDUITS.
- 2

(E) 2 EA. 2" CONDUITS.
- 3

(E) 3 EA. 2" CONDUITS.
- 4

(E) 4 EA. 2" CONDUITS.
- 5

(E) 4 EA. 1.25" CONDUITS.
- 6

(E) 1 EA. 1" CONDUITS.
- 7

(E) 1 EA. 4" CONDUITS.
- GENERAL NOTES:
1.

NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.
2.

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED, AND CONFIGURED, UNO.
3.

CONTRACTOR SHALL TOUCH UP PAINT TO MATCH EXISTING CONDITIONS FOR ALL AREAS OF NEW INSTALL OR DEMOLITION.



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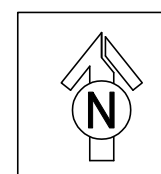
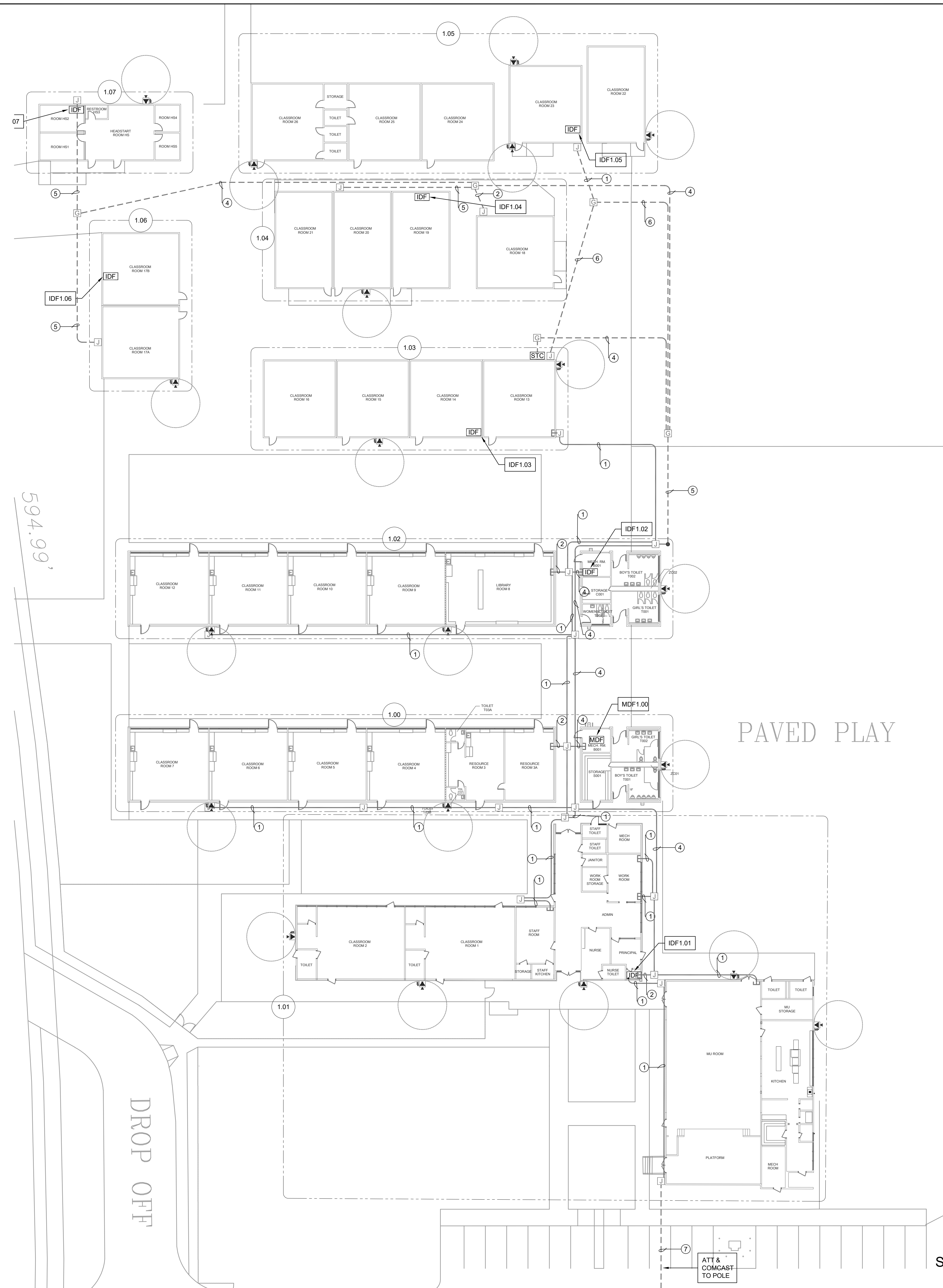
SHEET TITLE
TECHNOLOGY
SITE PLAN - NEW

DRAWING STATUS
CONSTRUCTION DOCUMENTS

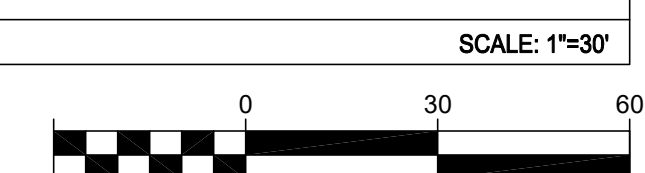
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TECHNOLOGY SITE PLAN - EXTERIOR INTERCOM



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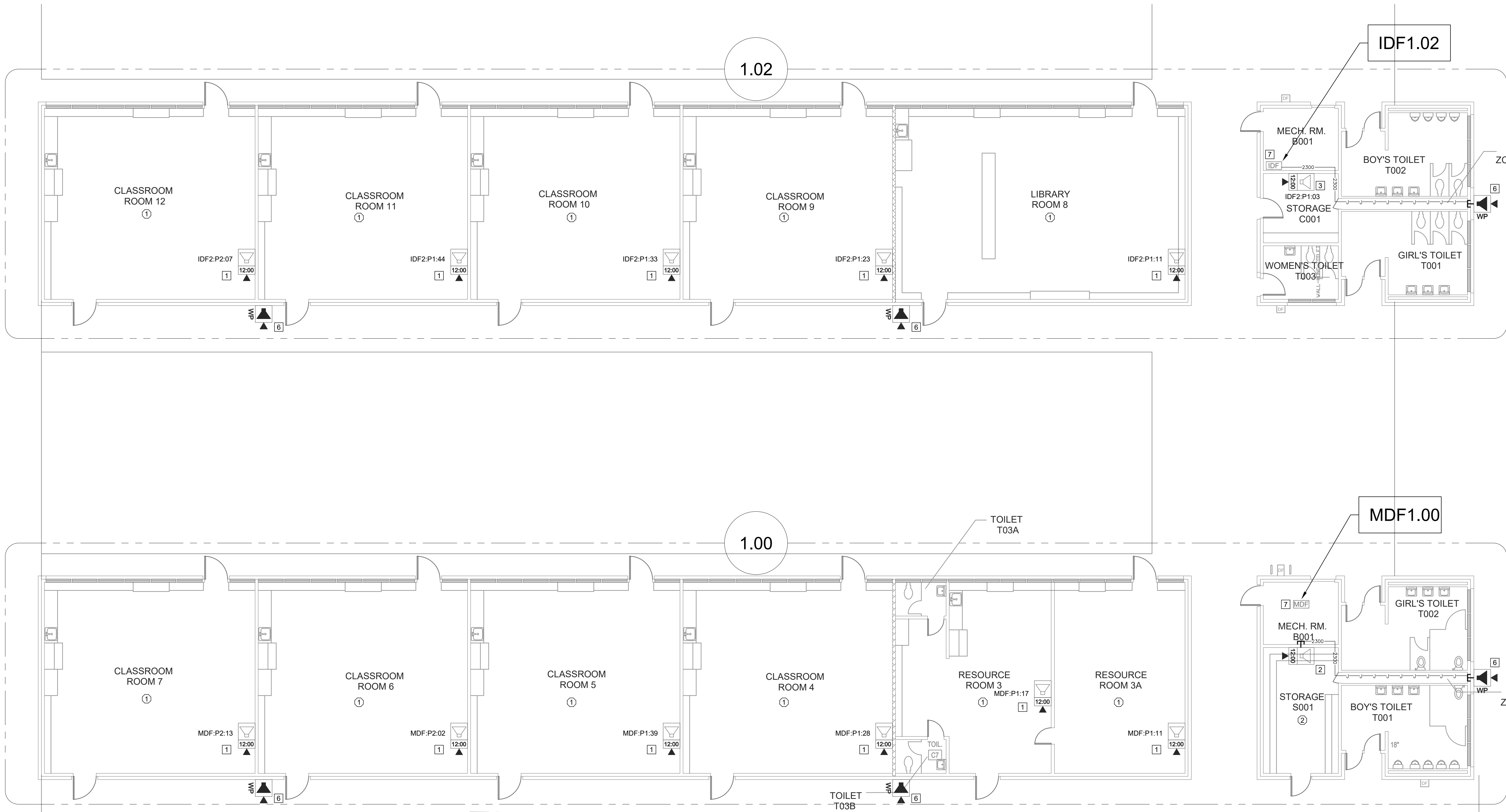
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UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
SITE PLAN
EXTERIOR INTERCOM

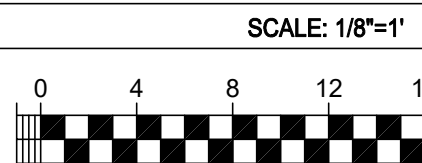
DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	
BID PACKAGE:	#0010-464
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-21
WORKING DATE:	2025-03-21

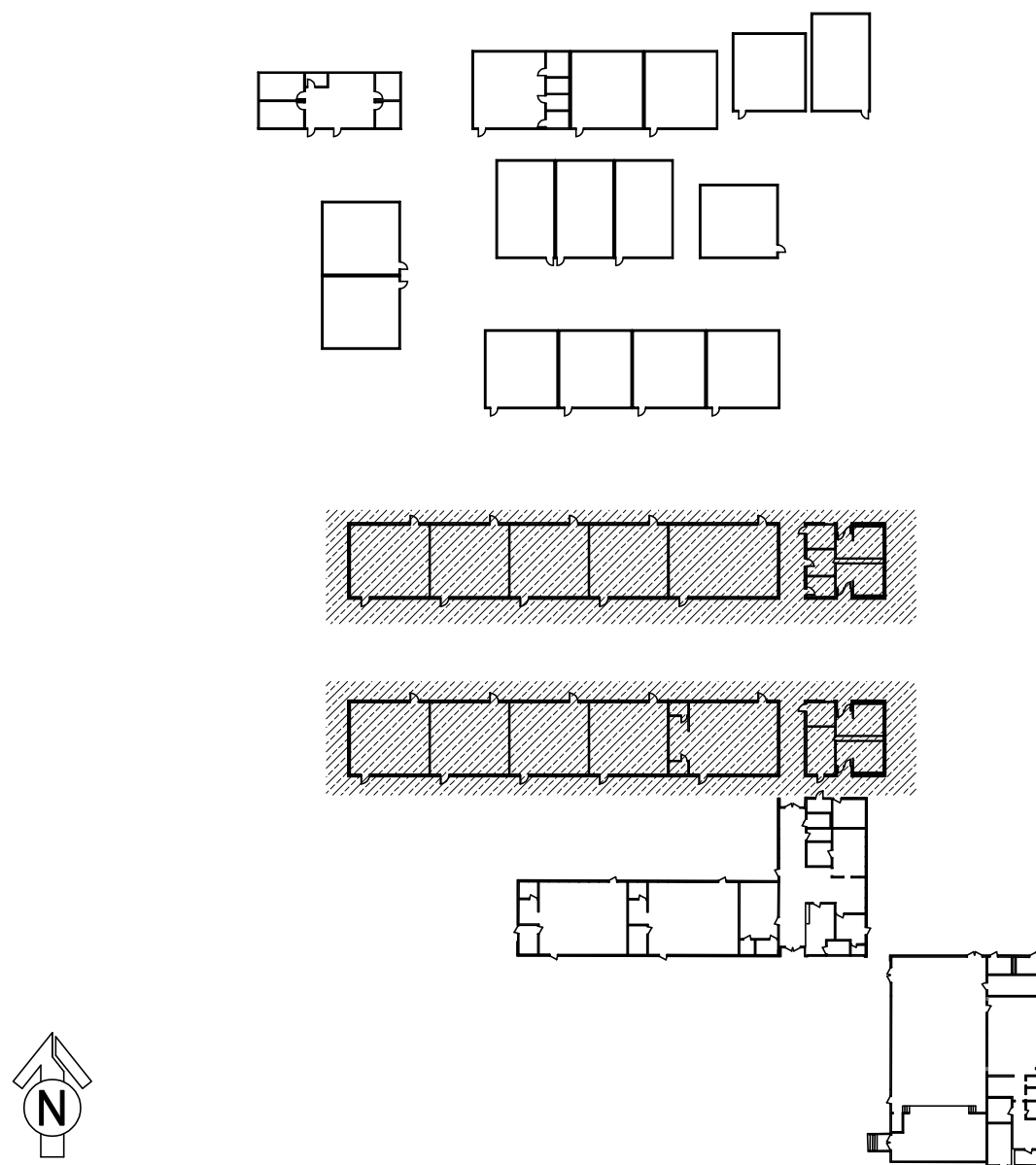
REVISION
SHEET
T101



TECHNOLOGY FLOOR PLAN NEW - MDF 1.00 AND IDF 1.02



KEY PLAN



GENERAL NOTES:

1. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.
2. ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED, AND CONFIGURED, UNO.
3. CONTRACTOR SHALL TOUCH UP PAINT TO MATCH EXISTING CONDITIONS FOR ALL AREAS OF NEW INSTALL OR DEMOLITION.

CEILING CONDITION CHART:

- ① DROP IN CEILING TILES.
② HARD LID CEILING.

SHEET NOTES:

- 1 REMOVE (E) CLOCK/SPEAKER COMBO BOX. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. LOCATE (E) DATA DROP ABOVE T-BAR AND FISH THROUGH WALL TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
- 2 PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP. FISH FROM ABOVE ACCESSIBLE CEILING TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
- 3 REMOVE (E) WIREMOLD SURFACE BOX WITH PREWIRED DATA DROP. INSTALL (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. REWORK (E) DATA DROP INTO (N) CLOCK/SPEAKER COMBO BOX. REMOVE (E) CLOCK/SPEAKER COMBO BOX.
- 4 PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP VIA SURFACE RACEWAY.
- 5 REMOVE (E) WIREMOLD SURFACE BOX WITH PREWIRED DATA DROP. PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. REWORK (E) DATA DROP INTO NEW METAL WIREMOLD BOX (P/N V5741). METAL BOX REQUIRED HERE FOR ADEQUATE STABILITY OF LARGE MESSAGE BOARD.
- 6 PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE. DEMO (E) SPEAKER, AS OCCURS.
- 7 REWORK MDF/IDF PER RACK ELEVATION. SEE T400/T401.
- 8 PROVIDE (N) CAT6A DATA DROP. QUANTITY INDICATED, IN (N) SURFACE BOX WITH WM2300 TO NEAREST DATA J-BOX.
- 9 PROVIDE (N) CAT6A DATA DROP. QUANTITY INDICATED, AT (E) DATA LOCATION VIA (E) PATHWAY. PROVIDE (N) 4-PORT FACEPLATE.
- 10 PROVIDE (N) WM5400 SURFACE RACEWAY ACROSS WALL. REMOVE (E) PN10 RACEWAY AND BOXES AND REWORK ALL (E) DATA DROPS INTO (N) WM5400. PROVIDE (N) WM2300 TO DATA DROP LOCATIONS AS REQ'D. INTENT IS TO FULLY REPLACE ALL (E) PN10 DATA RACEWAY ALONG THIS WALL WITH (N) WM5400 AND WM2300.



KMM SERVICES, INC
TECHNOLOGY & FIRE LIFE SAFETY

5433 El Camino Ave. Suite 5
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Office: (916) 359-4000 www.kmm-services.com



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SHEET REVISIONS

DELTA	DESCRIPTION	DATE

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
FLOOR PLAN

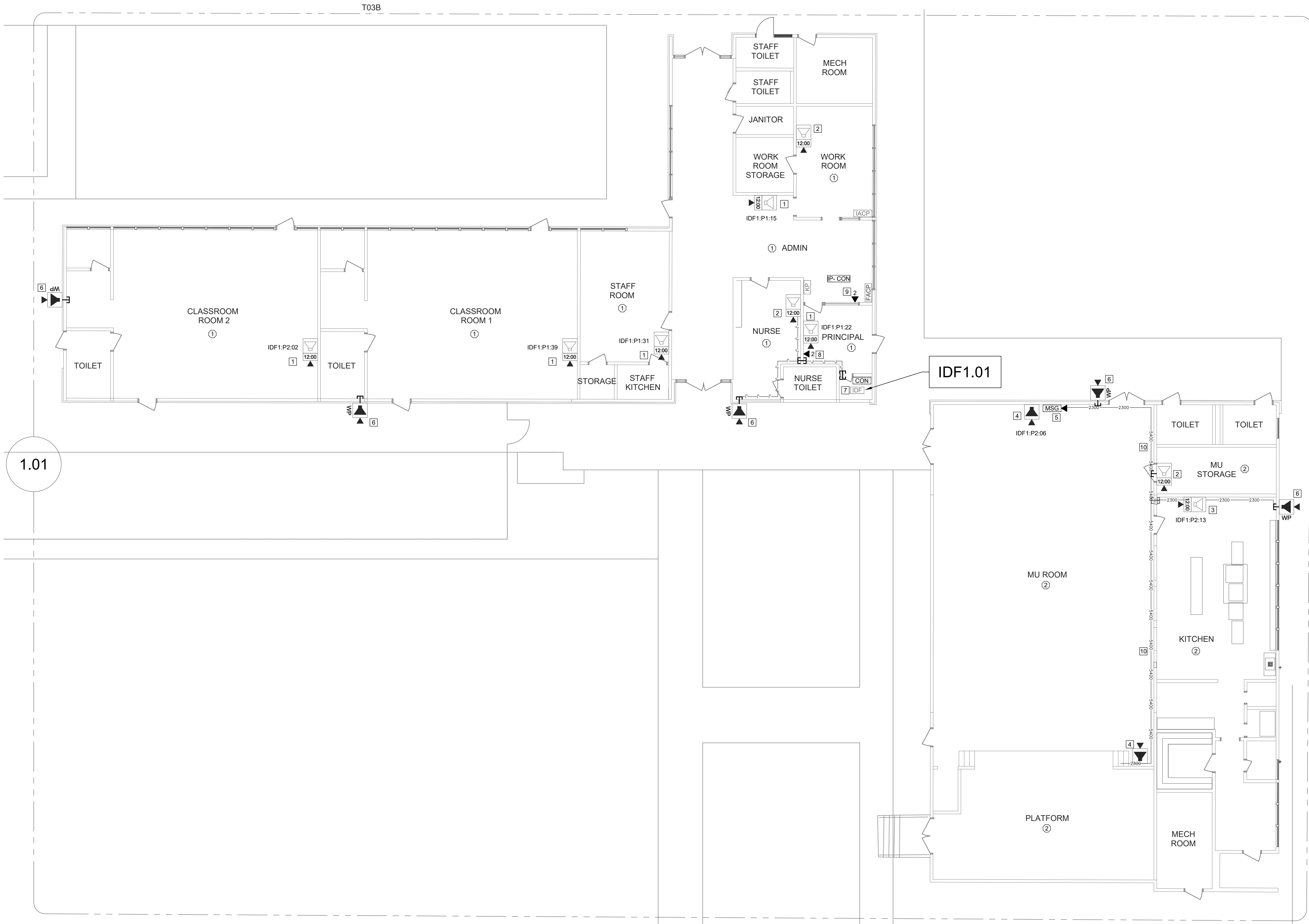
DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	
BID PACKAGE:	#0010-464
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-21
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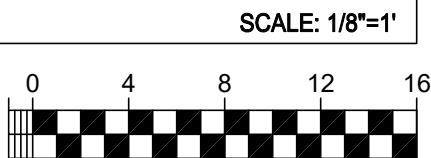
REVISION

SHEET

T200



TECHNOLOGY FLOOR PLAN NEW - IDF 1.01



GENERAL NOTES:

1. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.
2. ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED, AND CONFIGURED, UNO.
3. CONTRACTOR SHALL TOUCH UP PAINT TO MATCH EXISTING CONDITIONS FOR ALL AREAS OF NEW INSTALL OR DEMOLITION.

CEILING CONDITION CHART:

- ① DROP IN CEILING TILES.
- ② HARD LID CEILING.

SHEET NOTES:

1. REMOVE (E) CLOCK/SPEAKER COMBO BOX. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. LOCATE (E) DATA DROP ABOVE T-BAR AND FISH THROUGH WALL TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
2. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP, FISH FROM ABOVE ACCESSIBLE CEILING TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
3. REMOVE (E) WIREMOLD SURFACE BOX WITH PREWIRED DATA DROP. INSTALL (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. REWORK (E) DATA DROP INTO (N) CLOCK/SPEAKER COMBO BOX. REMOVE (E) CLOCK/SPEAKER COMBO BOX.
4. PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP VIA SURFACE RACEWAY.
5. REMOVE (E) WIREMOLD SURFACE BOX WITH PREWIRED DATA DROP. PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. REWORK (E) DATA DROP INTO NEW METAL WIREMOLD BOX (PN V5741). METAL BOX REQUIRED HERE FOR ADEQUATE STABILITY OF LARGE MESSAGE BOARD.
6. PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE. DEMO (E) SPEAKER, AS OCCURS.
7. REWORK MDF/IDF PER RACK ELEVATION. SEE T400/T401.
8. PROVIDE (N) CAT6A DATA DROP, QUANTITY INDICATED, IN (N) SURFACE BOX WITH WM2300 TO NEAREST DATA J-BOX.
9. PROVIDE (N) CAT6A DATA DROP, QUANTITY INDICATED, AT (E) DATA LOCATION VIA (E) PATHWAY. PROVIDE (N) 4-PORT FACEPLATE.
10. PROVIDE (N) WM5400 SURFACE RACEWAY ACROSS WALL. REMOVE (E) PN10 RACEWAY AND BOXES AND REWORK ALL (E) DATA DROPS INTO (N) WM5400. PROVIDE (N) WM2300 TO DATA DROP LOCATIONS AS REQD. INTENT IS TO FULLY REPLACE ALL (E) PN10 DATA RACEWAY ALONG THIS WALL WITH (N) WM5400 AND WM2300.



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SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
FLOOR PLAN

DRAWING STATUS
CONSTRUCTION DOCUMENTS

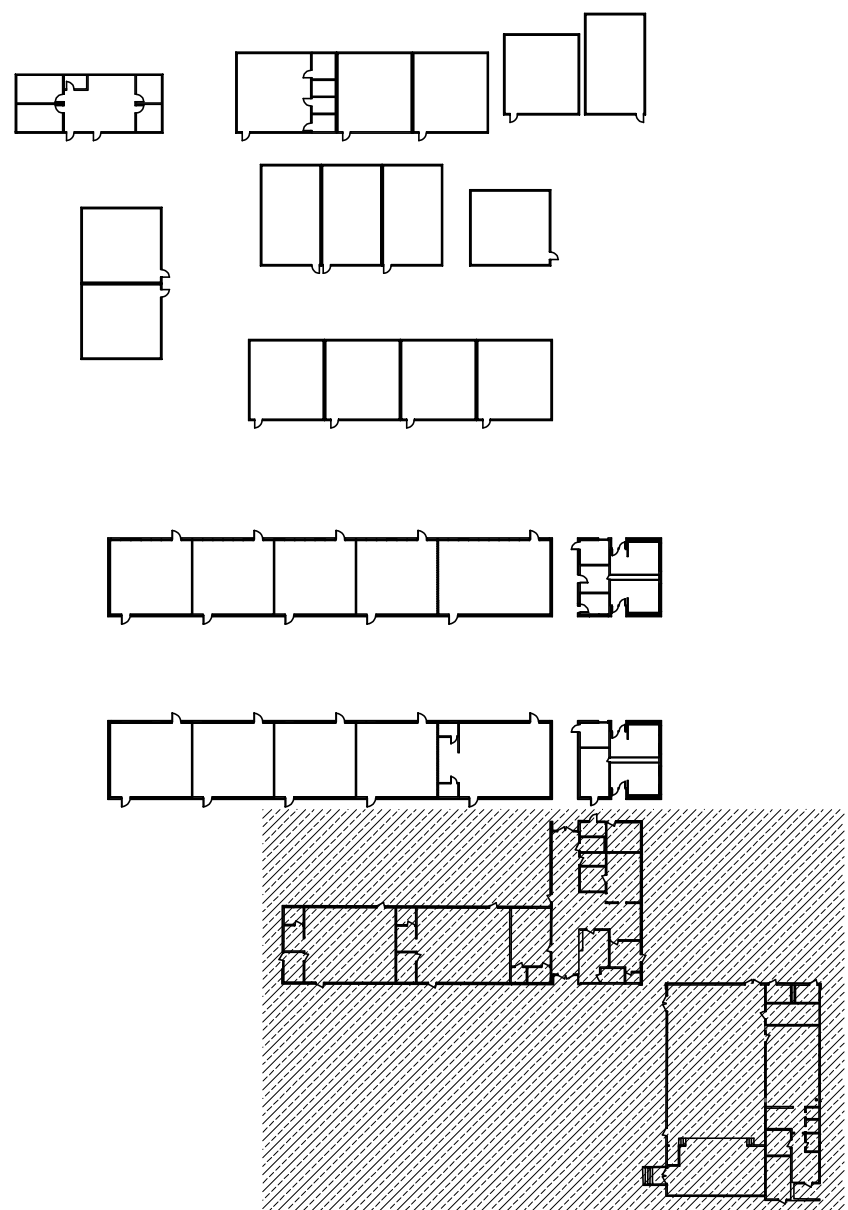
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BID PACKAGE:	#0010-464
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-21
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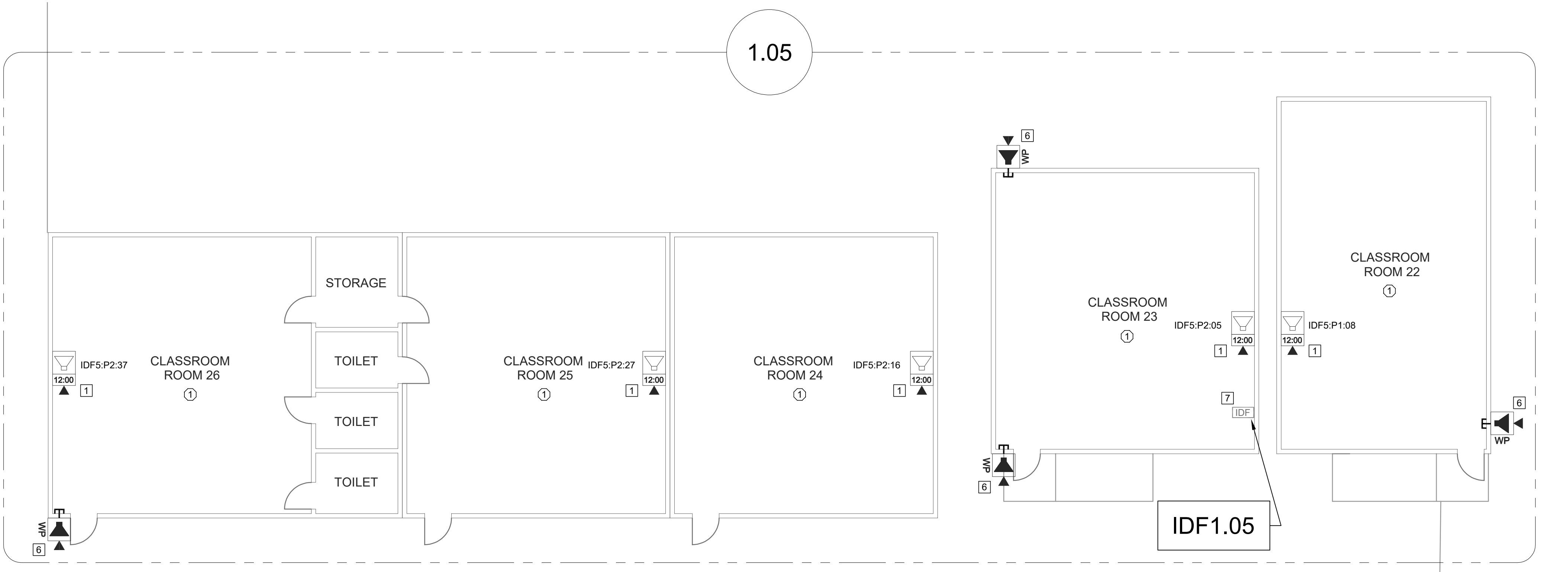
REVISION

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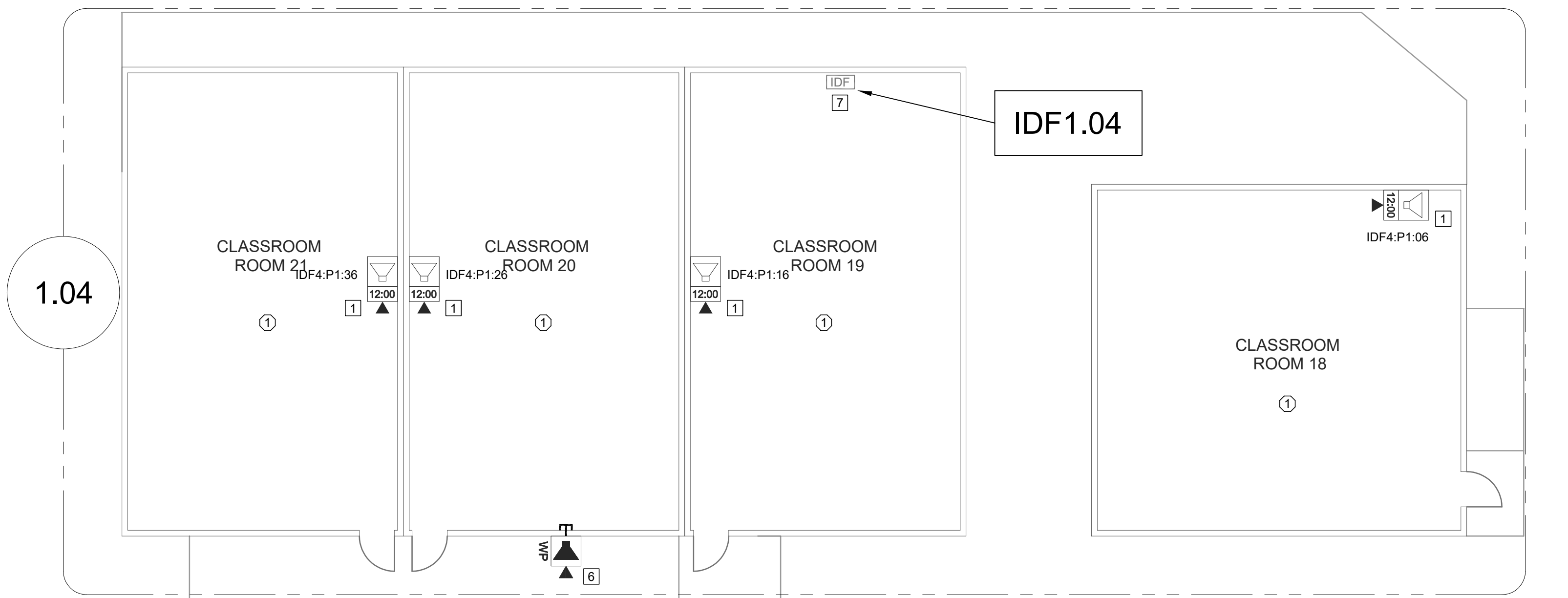
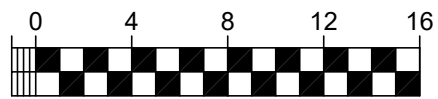
KEY PLAN





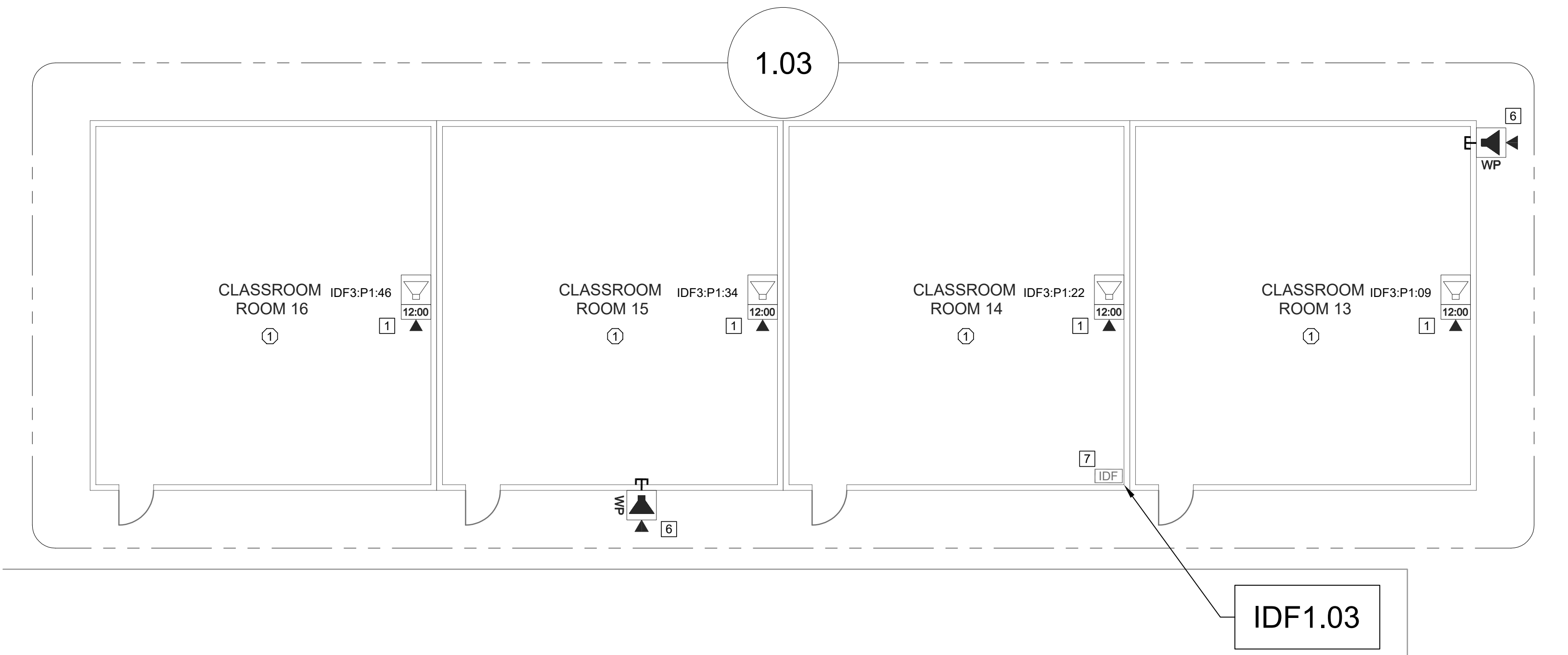
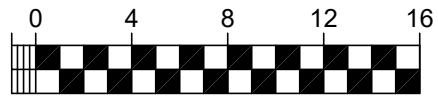
TECHNOLOGY FLOOR PLAN NEW - IDF 1.05

SCALE: 1/8"=1'



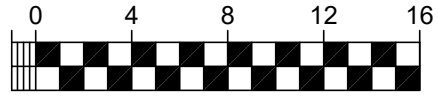
TECHNOLOGY FLOOR PLAN NEW - IDF 1.04

SCALE: 1/8"=1'



TECHNOLOGY FLOOR PLAN NEW - IDF 1.03

SCALE: 1/8"=1'



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CEILING CONDITION CHART:

- DROP IN CEILING TILES.
- HARD LID CEILING.

SHEET NOTES:

- REMOVE (E) CLOCK/SPEAKER COMBO BOX. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. LOCATE (E) DATA DROP ABOVE T-BAR AND FISH THROUGH WALL TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
- PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP, FISH FROM ABOVE ACCESSIBLE CEILING TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
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- PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP VIA SURFACE RACEWAY.
- REMOVE (E) WIREMOLD SURFACE BOX WITH PREWIRED DATA DROP. PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. REWORK (E) DATA DROP INTO NEW METAL WIREMOLD BOX (PN V5741). METAL BOX REQUIRED HERE FOR ADEQUATE STABILITY OF LARGE MESSAGE BOARD.
- PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE. DEMO (E) SPEAKER, AS OCCURS.
- REWORK MDF/IDF PER RACK ELEVATION. SEE T400/T401.
- PROVIDE (N) CAT6A DATA DROP. QUANTITY INDICATED, IN (N) SURFACE BOX WITH WM2300 TO NEAREST DATA J-BOX.
- PROVIDE (N) CAT6A DATA DROP. QUANTITY INDICATED, AT (E) DATA LOCATION VIA (E) PATHWAY. PROVIDE (N) 4-PORT FACEPLATE.
- PROVIDE (N) WM5400 SURFACE RACEWAY ACROSS WALL. REMOVE (E) PN10 RACEWAY AND BOXES AND REWORK ALL (E) DATA DROPS INTO (N) WM5400. PROVIDE (N) WM2300 TO DATA DROP LOCATIONS AS REQ'D. INTENT IS TO FULLY REPLACE ALL (E) PN10 DATA RACEWAY ALONG THIS WALL WITH (N) WM5400 AND WM2300.



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TECHNOLOGY & FIRE LIFE SAFETY

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SHEET REVISIONS

DELTA	DESCRIPTION	DATE

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
FLOOR PLAN

DRAWING STATUS
CONSTRUCTION DOCUMENTS

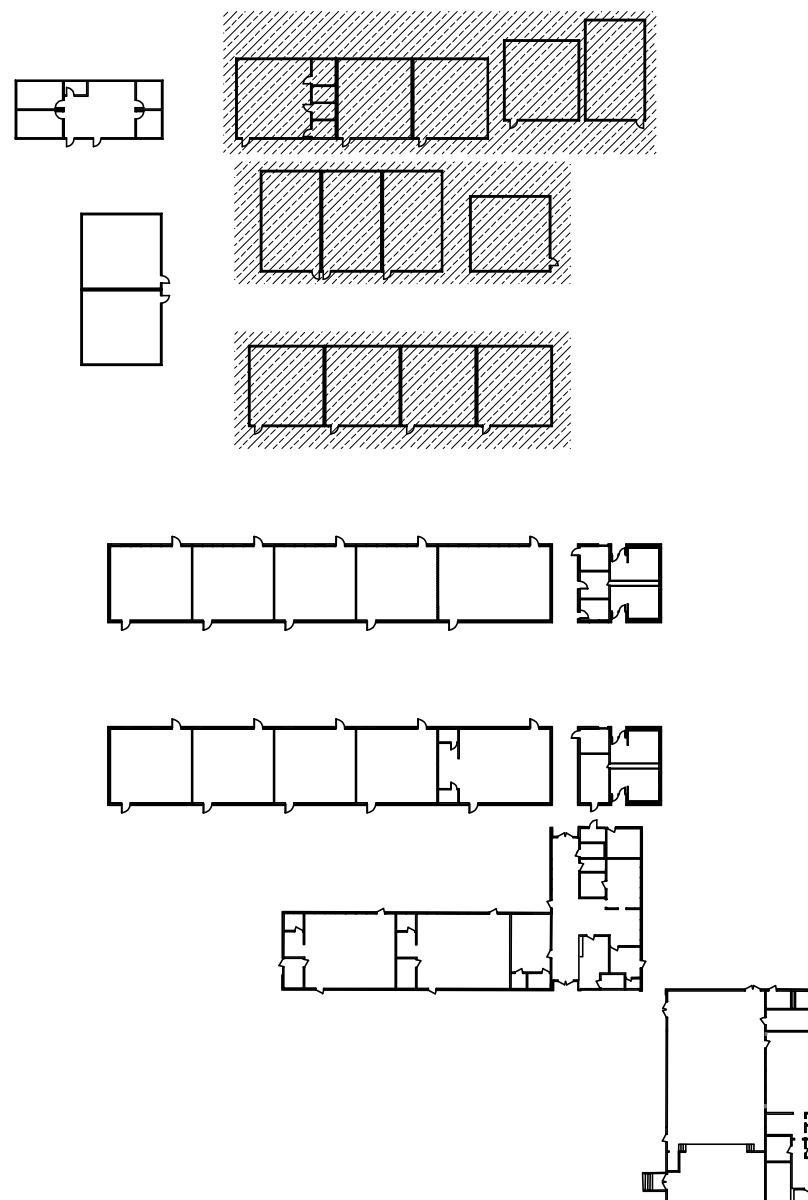
PROJECT NO:	
BID PACKAGE:	#0010-464
DESIGNED BY:	CS
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ISSUE DATE:	2025-03-21
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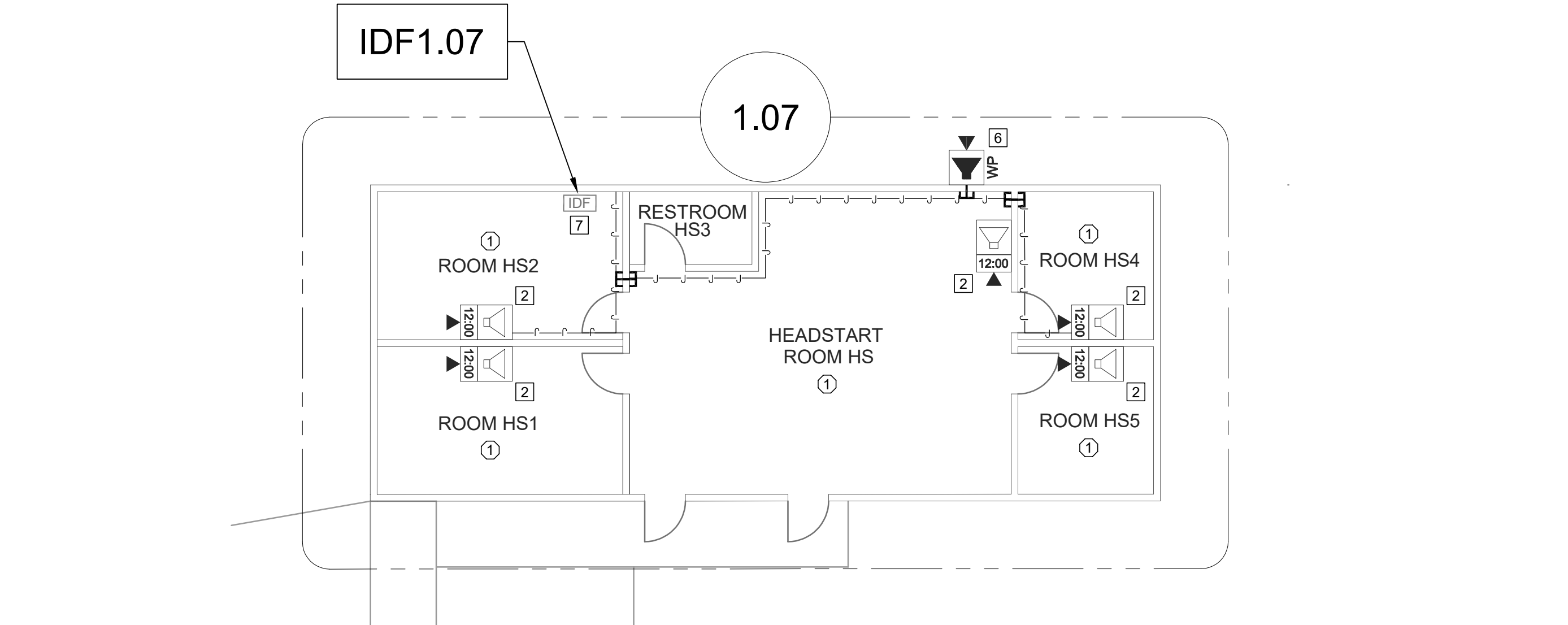
REVISION

SHEET

T202

KEY PLAN

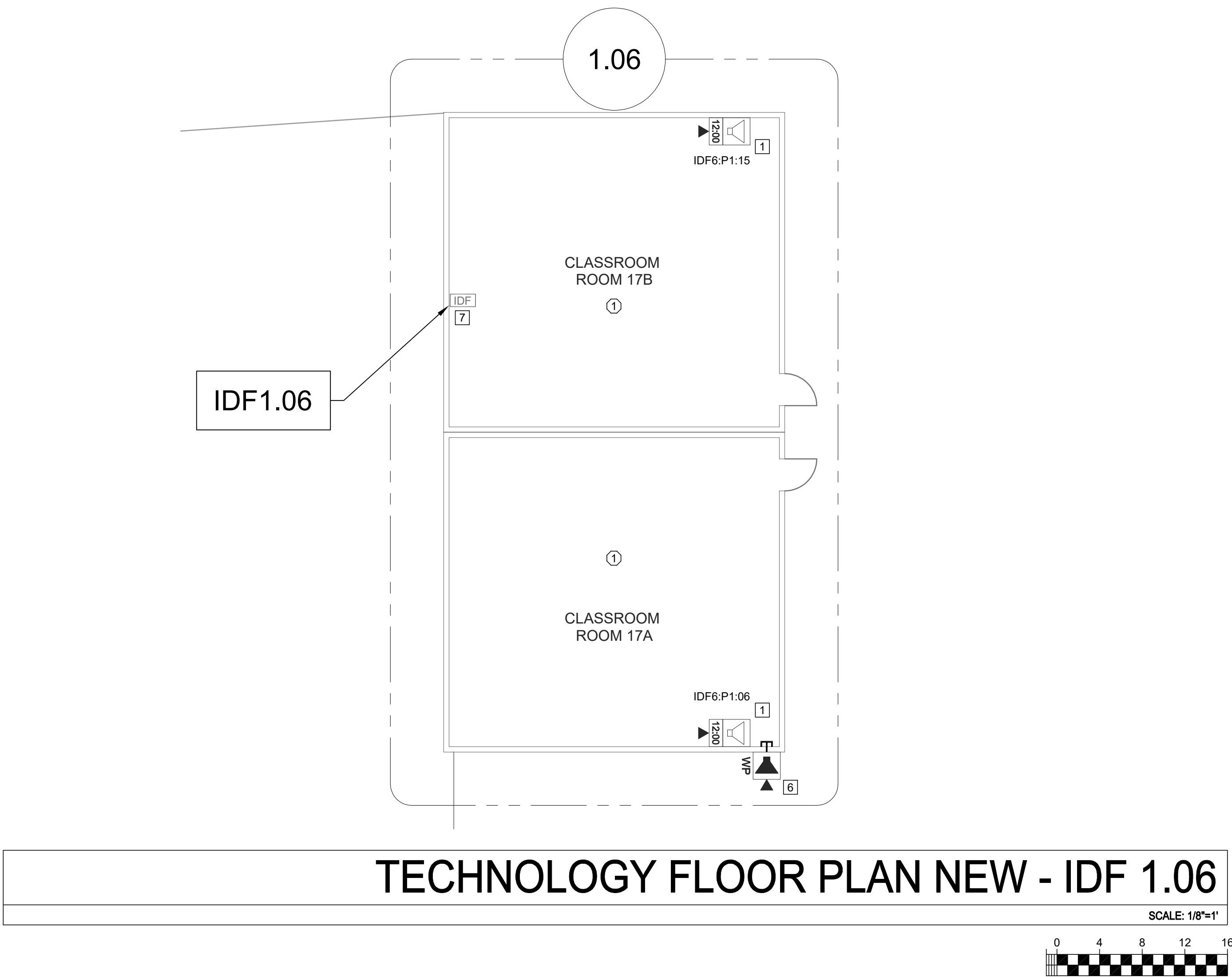




TECHNOLOGY FLOOR PLAN NEW - IDF 1.07

SCALE: 1/8"=1'

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TECHNOLOGY FLOOR PLAN NEW - IDF 1.06

SCALE: 1/8"=1'

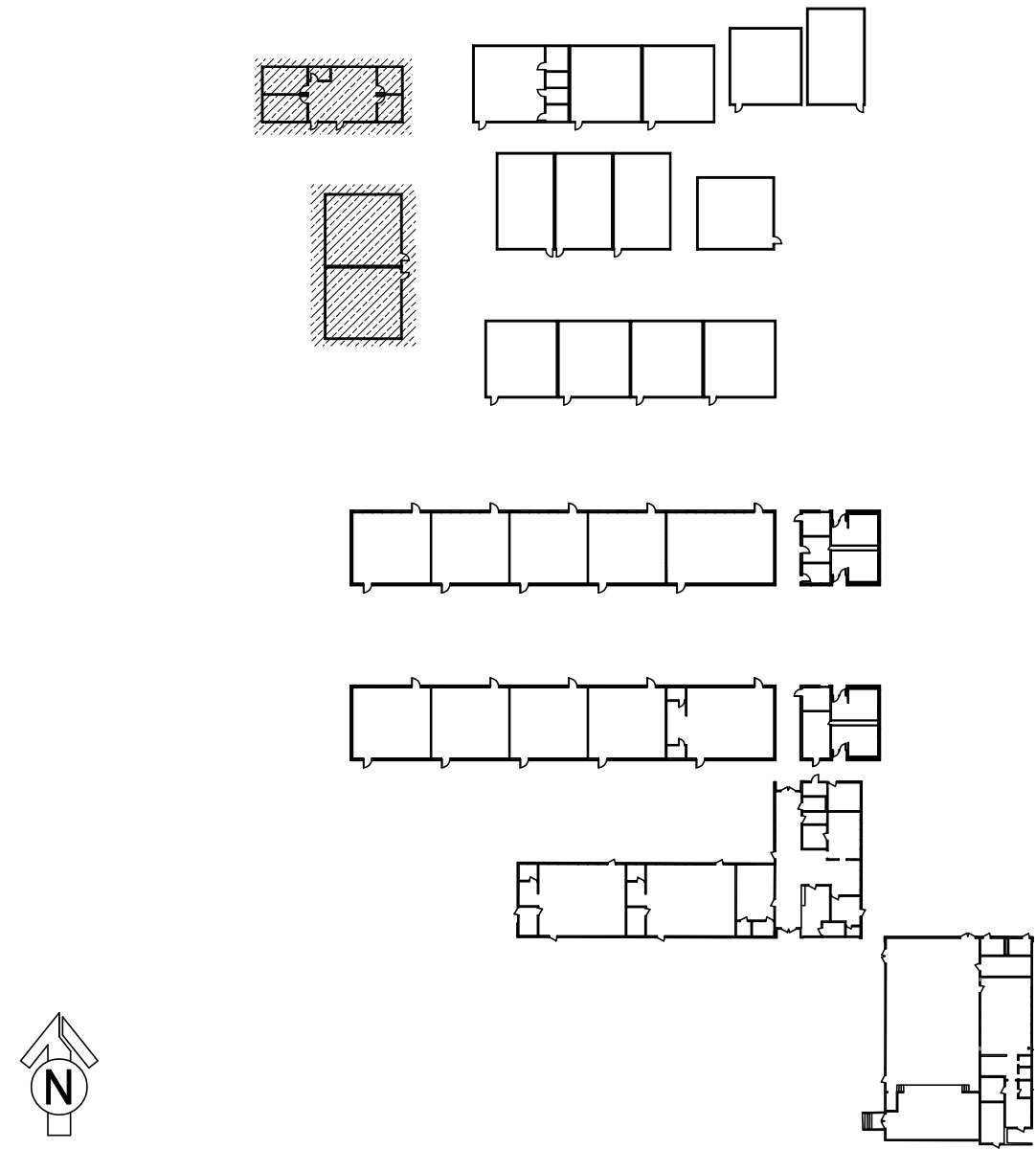
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- GENERAL NOTES:
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 - CONTRACTOR SHALL TOUCH UP PAINT TO MATCH EXISTING CONDITIONS FOR ALL AREAS OF NEW INSTALL OR DEMOLITION.

- CEILING CONDITION CHART:
- | | |
|---|------------------------|
| ① | DROP IN CEILING TILES. |
| ② | HARD LID CEILING. |

- SHEET NOTES:
- REMOVE (E) CLOCK/SPEAKER COMBO BOX. PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. LOCATE (E) DATA DROP ABOVE T-BAR AND FISH THROUGH WALL TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
 - PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP. FISH FROM ABOVE ACCESSIBLE CEILING TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
 - REMOVE (E) WIREMOLD SURFACE BOX WITH PREWIRED DATA DROP. INSTALL (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. REWORK (E) DATA DROP INTO (N) CLOCK/SPEAKER COMBO BOX. REMOVE (E) CLOCK/SPEAKER COMBO BOX.
 - PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP VIA SURFACE RACEWAY.
 - REMOVE (E) WIREMOLD SURFACE BOX WITH PREWIRED DATA DROP. PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. REWORK (E) DATA DROP INTO NEW METAL WIREMOLD BOX (PN V5741). METAL BOX REQUIRED HERE FOR ADEQUATE STABILITY OF LARGE MESSAGE BOARD.
 - PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE. DEMO (E) SPEAKER, AS OCCURS.
 - REWORK MDF/IDF PER RACK ELEVATION. SEE T400/T401.
 - PROVIDE (N) CAT6A DATA DROP. QUANTITY INDICATED. IN (N) SURFACE BOX WITH WM2300 TO NEAREST DATA J-BOX.
 - PROVIDE (N) CAT6A DATA DROP. QUANTITY INDICATED. AT (E) DATA LOCATION VIA (E) PATHWAY. PROVIDE (N) 4-PORT FACEPLATE.
 - PROVIDE (N) WM5400 SURFACE RACEWAY ACROSS WALL. REMOVE (E) PN10 RACEWAY AND BOXES AND REWORK ALL (E) DATA DROPS INTO (N) WM5400. PROVIDE (N) WM2300 TO DATA DROP LOCATIONS AS REQ'D. INTENT IS TO FULLY REPLACE ALL (E) PN10 DATA RACEWAY ALONG THIS WALL WITH (N) WM5400 AND WM2300.

KEY PLAN



KMM SERVICES, INC
TECHNOLOGY & FIRE LIFE SAFETY

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SHEET REVISIONS		
DELTA	DESCRIPTION	DATE

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SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
FLOOR PLAN

DRAWING STATUS
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ISSUE DATE:	2025-03-21
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REVISION
SHEET
T203

EXISTING RACK COMPONENTS:	
①	1U FIBER LIU.
②	2U CABLE MANAGER
③	2U 48P PATCH PANEL (0 AVAIL.)
④	2U CABLE MANAGER
⑤	2U 48P PATCH PANEL (47 AVAIL.)
⑥	6 - 1U 48P SWITCH (3 AVAIL.)

RACK SCOPE OF WORK:	
A	REMOVE (E) CABLE MANAGERS #2, #4. PROVIDE (N) REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU) AT (E) PATCH PANELS #3, #5.
B	RELOCATE (E) PATCH PANEL #3 DIRECTLY UNDER (E) FIBER LIU #1.
C	RELOCATE (E) SWITCH #6 DIRECTLY UNDER (E) PATCH PANEL #3.
D	RELOCATE (E) PATCH PANEL #5 DIRECTLY UNDER (E) SWITCH #6.
E	PROVIDE (N) NETWORK SWITCH, CISCO PIN C8300L-48PF-4X-EDU, WITH LICENSE PIN C8300-DNA-E-48-3Y, AND STACK CABLE PIN SFP-H10GB-CU1M DIRECTLY BELOW (E) PATCH PANEL #5.
F	PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS, COLOR CODED PER DISTRICT STANDARD.
G	PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C PIN N1C.L1500. MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY UPS.

EXISTING RACK COMPONENTS:	
①	1U FIBER LIU.
②	2U CABLE MANAGER
③	2U 48P PATCH PANEL (0 AVAIL.)
④	2U CABLE MANAGER
⑤	2U 48P PATCH PANEL (37 AVAIL.)
⑥	1U 48P SWITCH (16 AVAIL.)
⑦	1U 24P SWITCH (0 AVAIL.)
⑧	CCTV SWITCH AND PSU

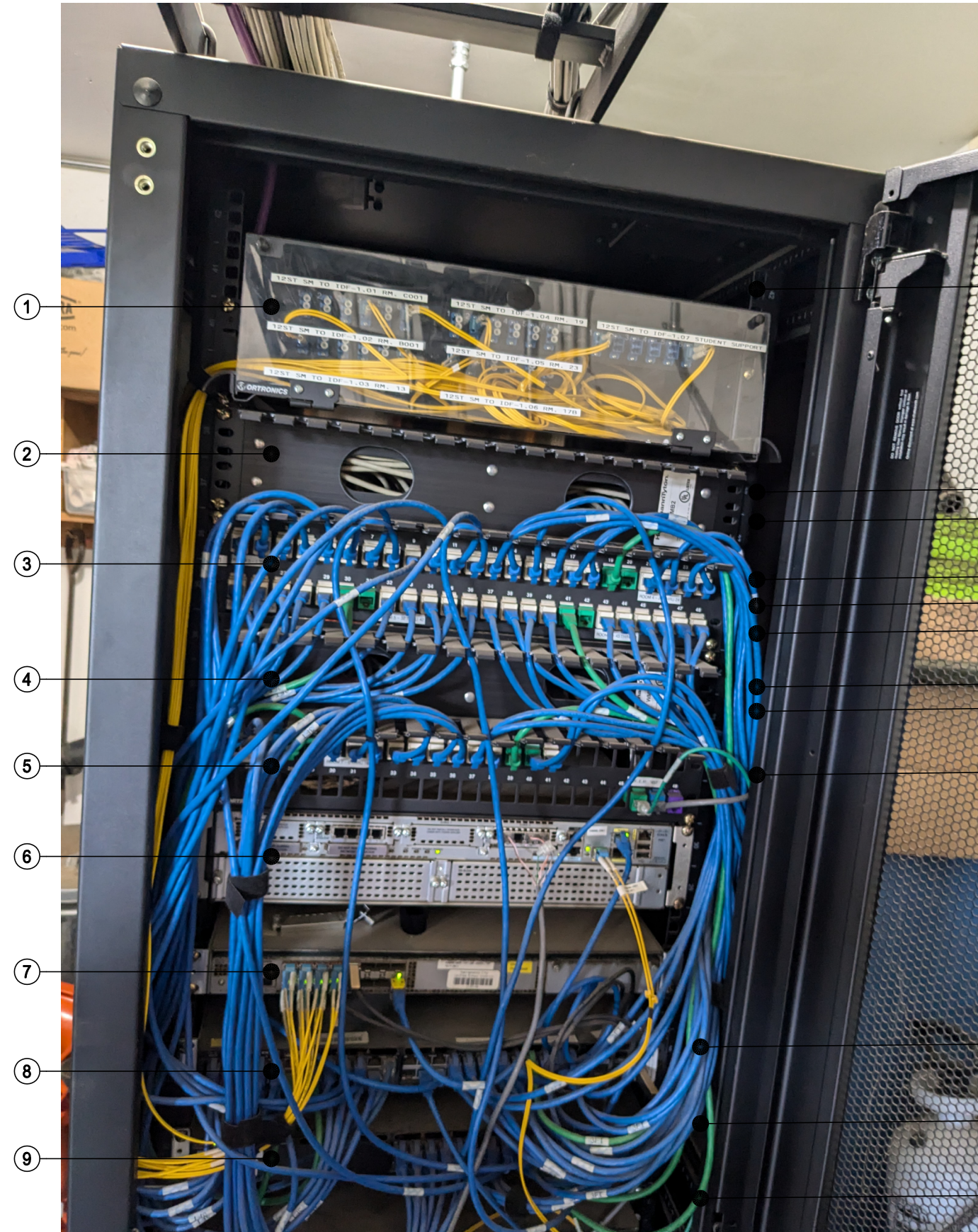
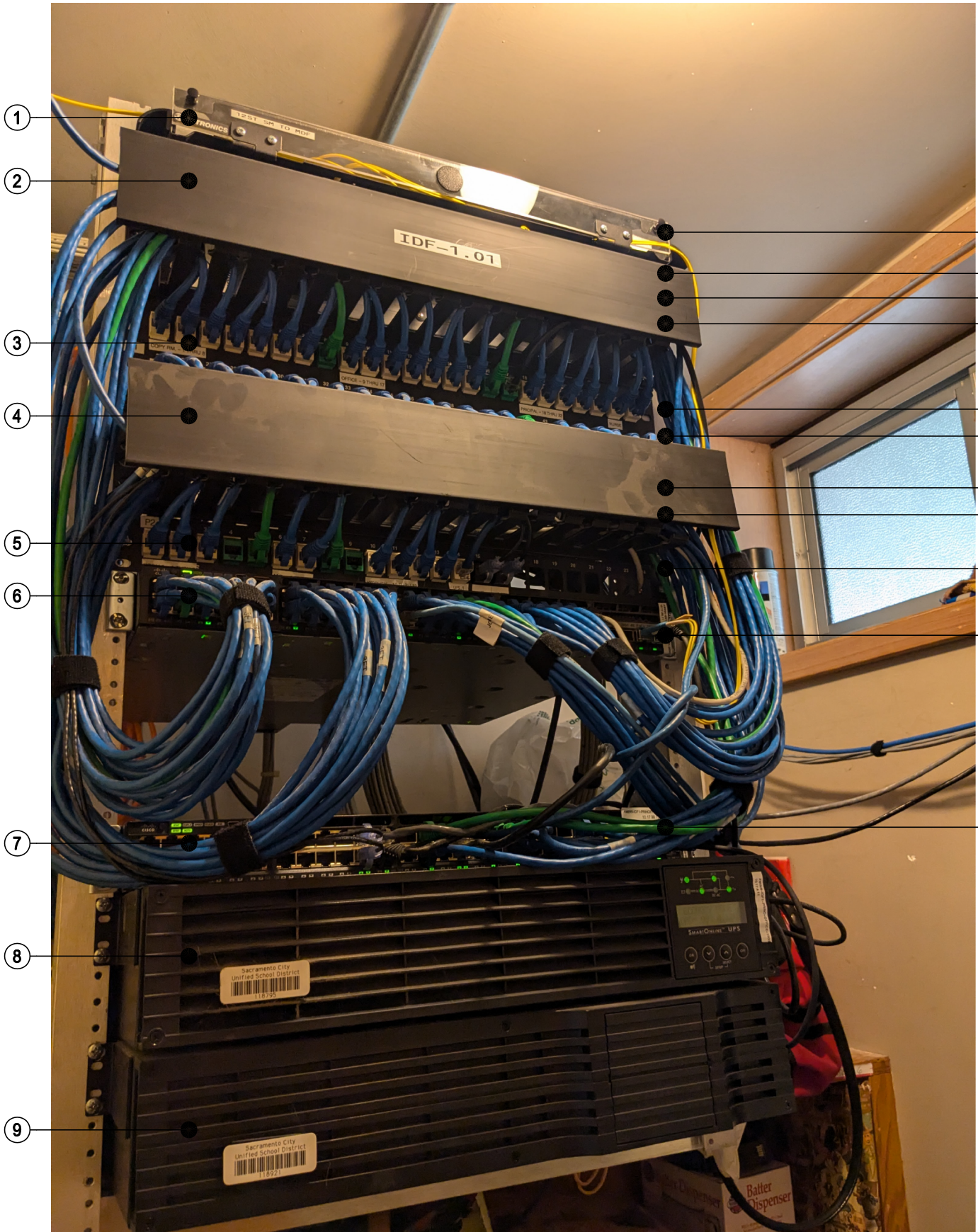
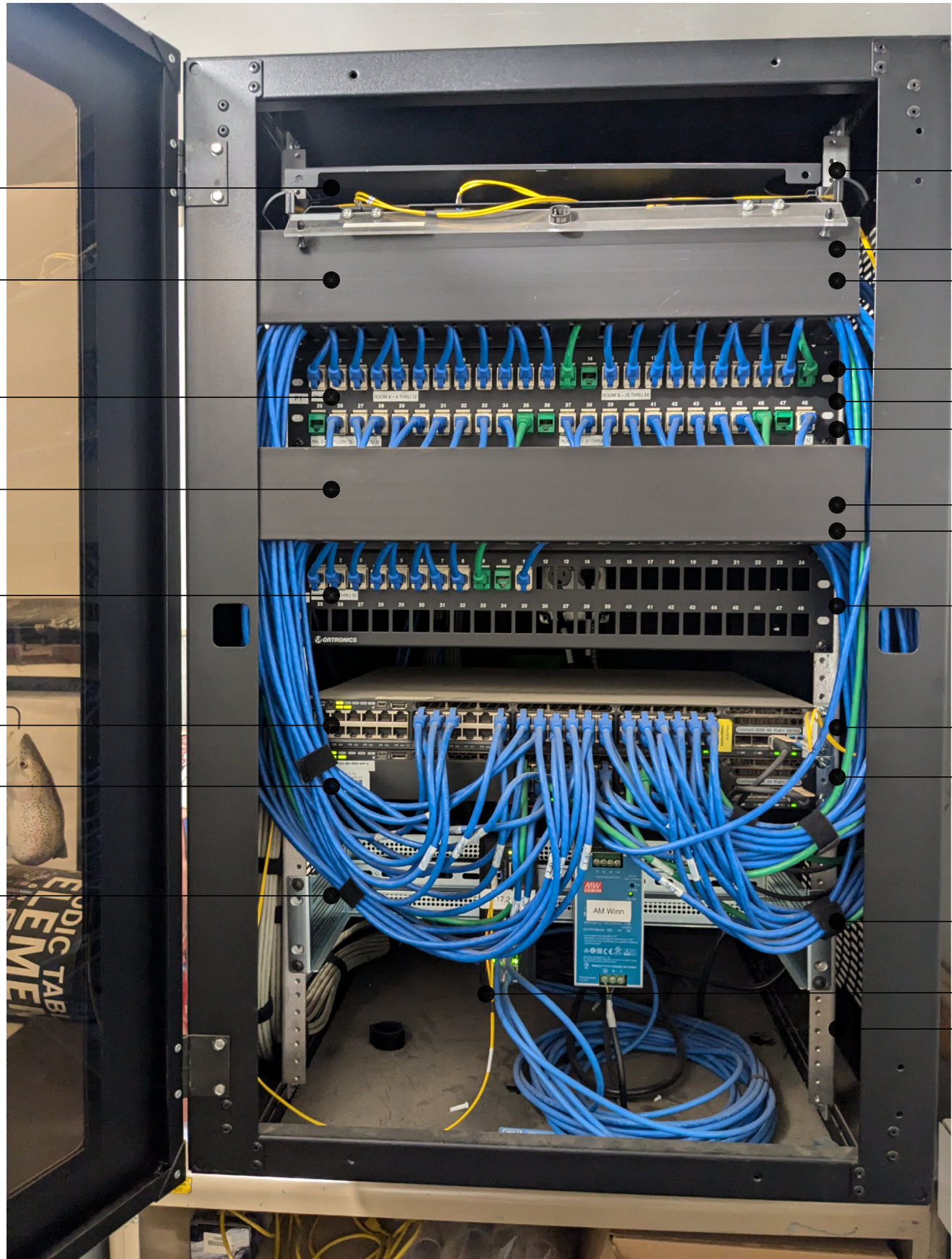
RACK SCOPE OF WORK:	
A	REMOVE (E) CABLE MANAGERS #2, #4. PROVIDE (N) REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU) AT (E) PATCH PANELS #3, #5.
B	RELOCATE (E) PATCH PANEL #3 DIRECTLY UNDER (E) FIBER LIU #1.
C	RELOCATE (E) SWITCH #6 DIRECTLY UNDER (E) PATCH PANEL #3.
D	RELOCATE (E) PATCH PANEL #5 DIRECTLY UNDER (E) SWITCH #6.
E	RELOCATE (E) SWITCH #7 DIRECTLY UNDER (E) PATCH PANEL #5.
F	TERMINATE 4 EA. (E) CCTV DATA DROPS ON (N) BLUE KEYSTONES IN (E) PATCH PANEL #5.
G	REMOVE (E) CCTV SWITCH #8 AND RETURN TO DISTRICT.
H	PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS, COLOR CODED PER DISTRICT STANDARD.
I	PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C PIN N1C.L1500. MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY UPS.

EXISTING RACK COMPONENTS:	
①	1U FIBER LIU.
②	2U CABLE MANAGER
③	2U 48P PATCH PANEL (0 AVAIL.)
④	2U CABLE MANAGER
⑤	1U 24P PATCH PANEL (8 AVAIL.)
⑥	1U 48P SWITCH (0 AVAIL.)
⑦	1U 48P SWITCH (16 AVAIL.)
⑧	2U UPS
⑨	2U BATTERY

RACK SCOPE OF WORK:	
A	REMOVE (E) CABLE MANAGERS #2, #4. PROVIDE (N) REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU) AT (E) PATCH PANELS #3, #5.
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C	RELOCATE (E) SWITCH #6 DIRECTLY UNDER (E) PATCH PANEL #5.
D	RELOCATE (E) PATCH PANEL #3 DIRECTLY UNDER (E) SWITCH #6.
E	RELOCATE (E) SWITCH #7 DIRECTLY UNDER (E) PATCH PANEL #3.
F	PROVIDE (N) 24 PORT PATCH PANEL, ORTRONICS PIN OR-SPKSU24, WITH REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU), DIRECTLY BELOW (E) SWITCH #7.
G	PROVIDE (N) 6" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS, COLOR CODED PER DISTRICT STANDARD.

EXISTING RACK COMPONENTS:	
①	1U FIBER LIU.
②	2U CABLE MANAGER
③	2U 48P PATCH PANEL (0 AVAIL.)
④	2U CABLE MANAGER
⑤	1U 48P PATCH PANEL (27 AVAIL.)
⑥	2U VOIP GATEWAY
⑦	1U CORE SWITCH
⑧	1U 48P SWITCH (7 AVAIL.)
⑨	1U 24P SWITCH (0 AVAIL.)
⑩	10 - CCTV SWITCH AND PSU (REAR OF CABINET, NOT PICTURED)

RACK SCOPE OF WORK:	
A	REMOVE (E) CABLE MANAGERS #2, #4. PROVIDE (N) REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU) AT (E) PATCH PANELS #3, #5.
B	RELOCATE (E) PATCH PANEL #3 DIRECTLY UNDER (E) FIBER LIU #1.
C	RELOCATE (E) SWITCH #8 DIRECTLY UNDER (E) PATCH PANEL #3.
D	RELOCATE (E) PATCH PANEL #5 DIRECTLY UNDER (E) SWITCH #8.
E	REMOVE (E) SWITCH #9 AND RETURN TO DISTRICT.
F	PROVIDE (N) NETWORK SWITCH, CISCO PIN C8300L-48PF-4X-EDU, WITH LICENSE PIN C8300-DNA-E-48-3Y, AND STACK CABLE PIN SFP-H10GB-CU1M DIRECTLY BELOW (E) PATCH PANEL #5.
G	TERMINATE 8 EA. (E) CCTV DATA DROPS ON (N) BLUE KEYSTONES IN (E) PATCH PANEL #5.
H	REMOVE (E) CCTV SWITCH #10 AND RETURN TO DISTRICT.
I	PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS, COLOR CODED PER DISTRICT STANDARD.
J	PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C PIN N1C.L1000. MOUNT AT BOTTOM OF CABINET. ROUTE POWER TELECENTER HEADEND COMPONENTS SO THAT IT IS PROTECTED BY THIS UPS.



KMM SERVICES, INC
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SHEET REVISIONS		
DELTA	DESCRIPTION	DATE

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
RACK ELEVATIONS

DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	
BID PACKAGE:	#0010-464
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-21
WORKING DATE:	2025-03-21

REVISION

SHEET T400

EXISTING RACK COMPONENTS:	
①	1U FIBER LIU.
②	2U CABLE MANAGER
③	2U 48P PATCH PANEL (28 AVAIL.)
④	1U 48P SWITCH (5 AVAIL.)
⑤	CCTV SWITCH AND PSU

RACK SCOPE OF WORK:	
A	REMOVE (E) CABLE MANAGERS #2, #4. PROVIDE (N) REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU) AT (E) PATCH PANEL #3, #5.
B	RELOCATE (E) PATCH PANEL #3 DIRECTLY UNDER (E) FIBER LIU #1.
C	RELOCATE (E) SWITCH #6 DIRECTLY UNDER (E) PATCH PANEL #3.
D	RELOCATE (E) PATCH PANEL #5 DIRECTLY UNDER (E) SWITCH #6.
E	PROVIDE (N) NETWORK SWITCH, CISCO PIN C8300L-48PF-4X-EDU, WITH LICENSE PIN C8300-DNA-E-48-5Y, AND STACK CABLE PIN SFP-H10GB-CU1M DIRECTLY BELOW (E) PATCH PANEL #5.
F	PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS, COLOR CODED PER DISTRICT STANDARD.
G	PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C PIN N1C.L1000, MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY UPS.

EXISTING RACK COMPONENTS:	
①	1U FIBER LIU.
②	2U CABLE MANAGER
③	2U 48P PATCH PANEL (30 AVAIL.)
④	1U 24P SWITCH (8 AVAIL.)

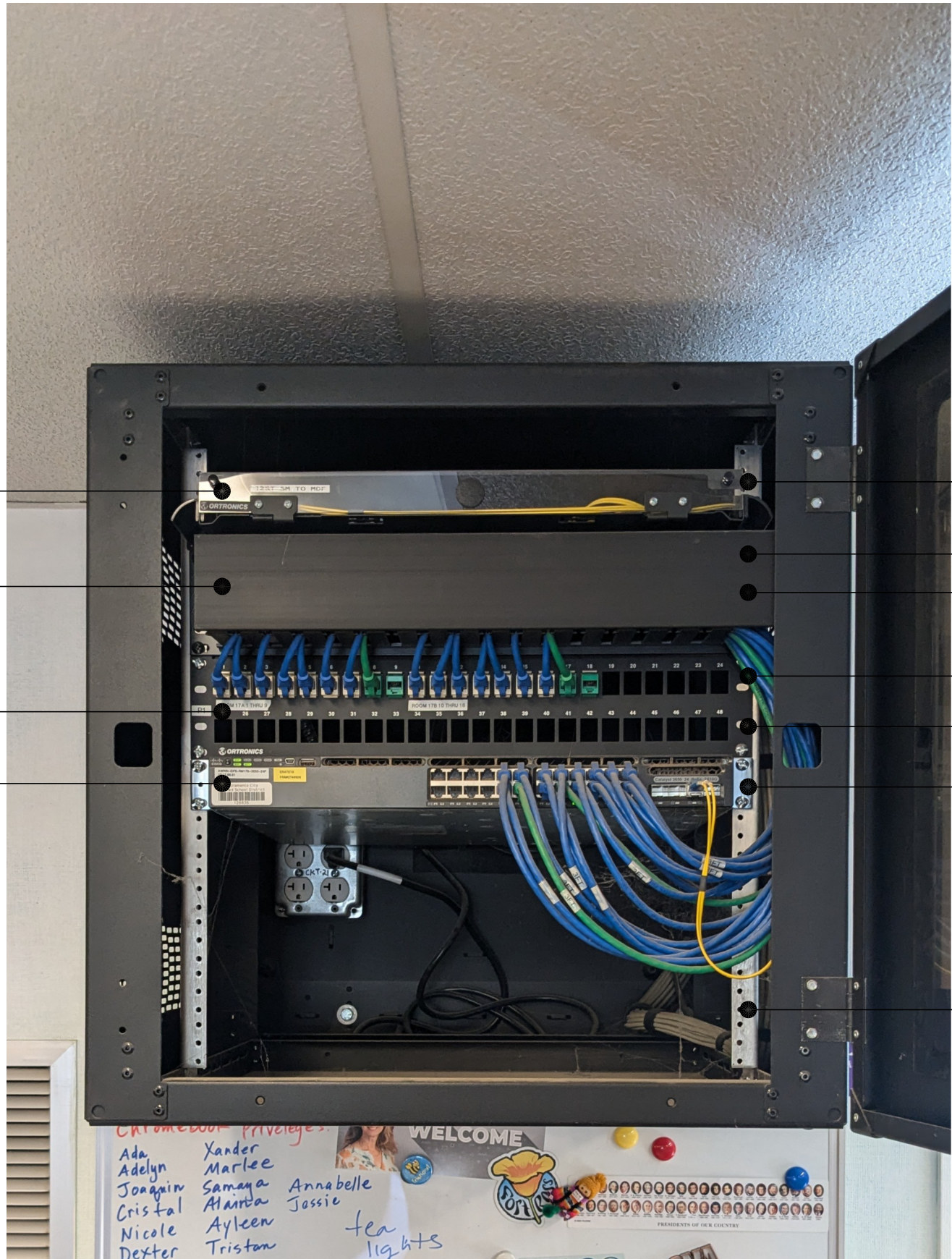
RACK SCOPE OF WORK:	
A	REMOVE (E) CABLE MANAGER #2. PROVIDE (N) REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU) AT (E) PATCH PANEL #3.
B	RELOCATE (E) PATCH PANEL #3 DIRECTLY UNDER (E) FIBER LIU #1.
C	RELOCATE (E) SWITCH #4 DIRECTLY UNDER (E) PATCH PANEL #3.
D	PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS, COLOR CODED PER DISTRICT STANDARD.
E	PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C PIN N1C.L1000, MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY UPS.

EXISTING RACK COMPONENTS:	
①	1U FIBER LIU.
②	2U CABLE MANAGER
③	2U 48P PATCH PANEL (0 AVAIL.)
④	2U CABLE MANAGER
⑤	2U 48P PATCH PANEL (8 AVAIL.)
⑥	2U CABLE MANAGER
⑦	1U 48P SWITCH (0 AVAIL.)
⑧	1U 48P SWITCH (10 AVAIL.)
⑨	CCTV SWITCH AND PSU

RACK SCOPE OF WORK:	
A	REMOVE (E) CABLE MANAGERS #2,#4, #6. PROVIDE (N) REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU) AT (E) PATCH PANELS #3, #5.
B	RELOCATE (E) PATCH PANEL #3 DIRECTLY UNDER (E) FIBER LIU #1.
C	RELOCATE (E) SWITCH #7 DIRECTLY UNDER (E) PATCH PANEL #3.
D	RELOCATE (E) PATCH PANEL #5 DIRECTLY UNDER (E) SWITCH #7.
E	RELOCATE (E) SWITCH #8 DIRECTLY UNDER (E) PATCH PANEL #5.
F	REMOVE (E) CCTV SWITCH #9 AND RETURN TO DISTRICT.
G	TERMINATE 3 EA. (E) CCTV DATA DROPS ON (N) BLUE KEYSTONES IN (E) PATCH PANEL #5.
H	PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS, COLOR CODED PER DISTRICT STANDARD.
I	PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C PIN N1C.L1500, MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY UPS.

EXISTING RACK COMPONENTS:	
①	1U FIBER LIU
②	2U CABLE MANAGER
③	2U 48P PATCH PANEL (9 AVAIL.)
④	1U 48P SWITCH (13 AVAIL.)

RACK SCOPE OF WORK:	
A	REMOVE (E) CABLE MANAGER #2. PROVIDE (N) REAR CABLE MANAGEMENT BAR (ORTRONICS PIN OR-CMBFRURU) AT (E) PATCH PANEL #3.
B	RELOCATE (E) PATCH PANEL #3 DIRECTLY UNDER (E) FIBER LIU #1.
C	RELOCATE (E) SWITCH #4 DIRECTLY UNDER (E) PATCH PANEL #3.
D	PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS, COLOR CODED PER DISTRICT STANDARD.
E	PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C PIN N1C.L1500, MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY UPS.



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**SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE**
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
**TECHNOLOGY
RACK ELEVATIONS**

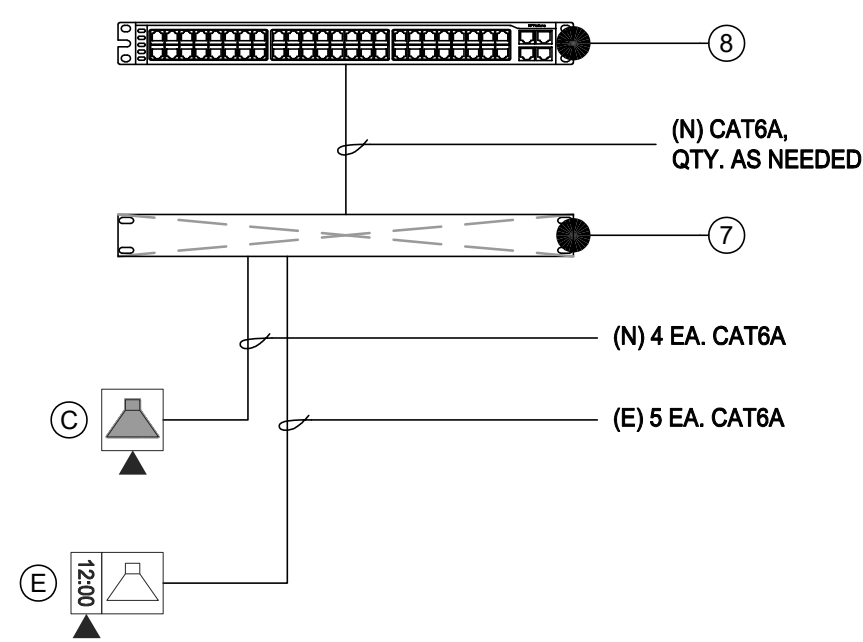
DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	
BID PACKAGE:	#0010-464
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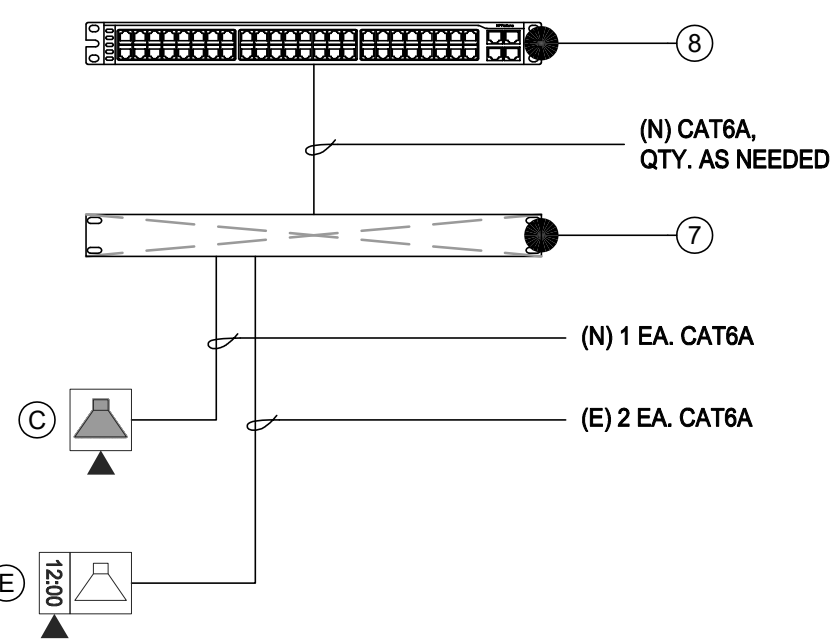
REVISION

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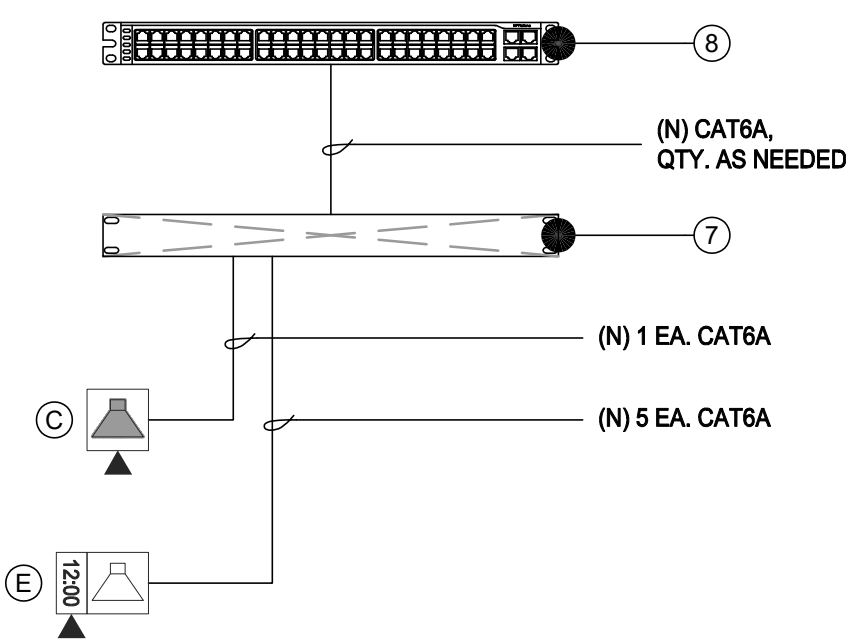
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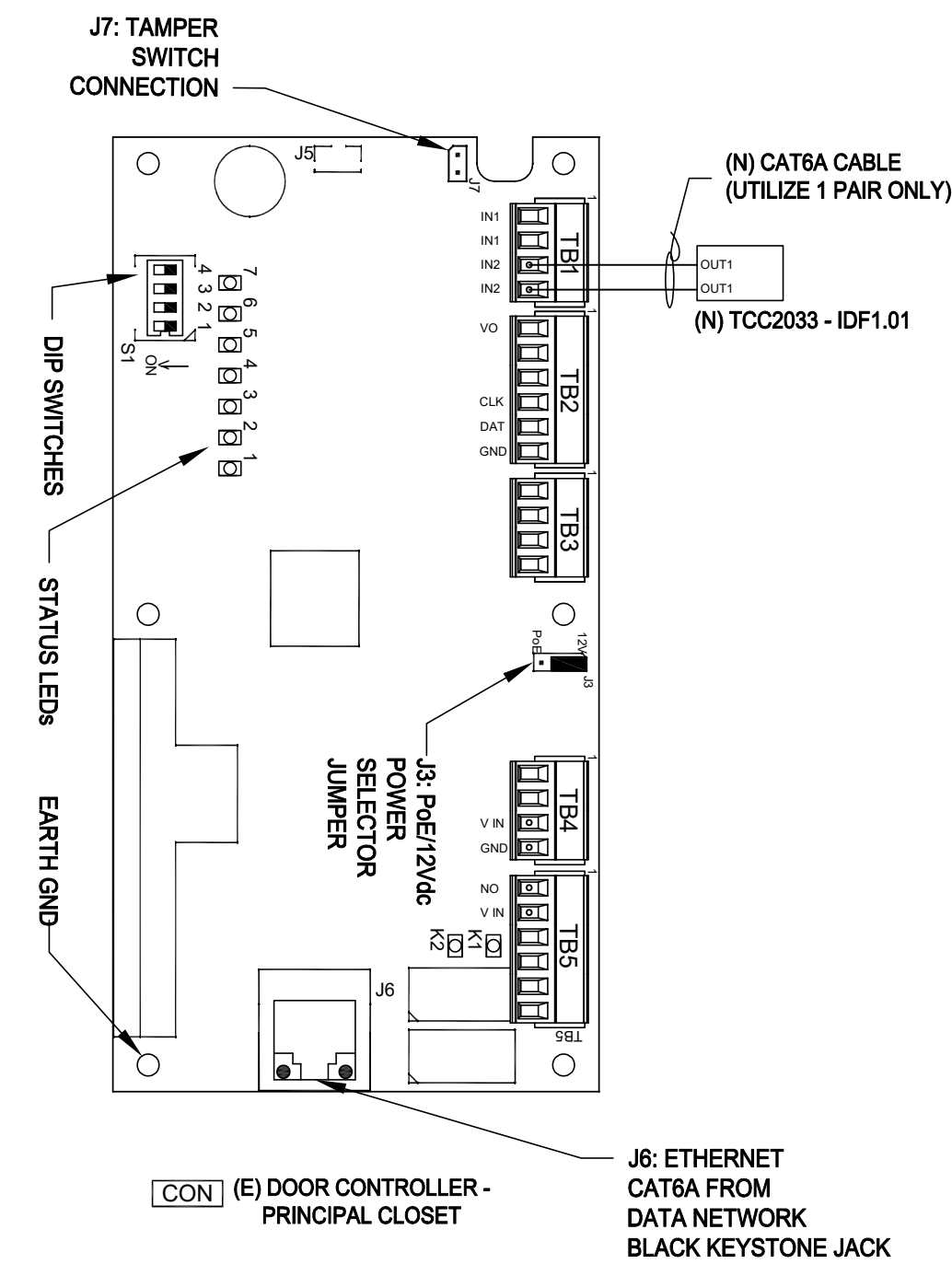
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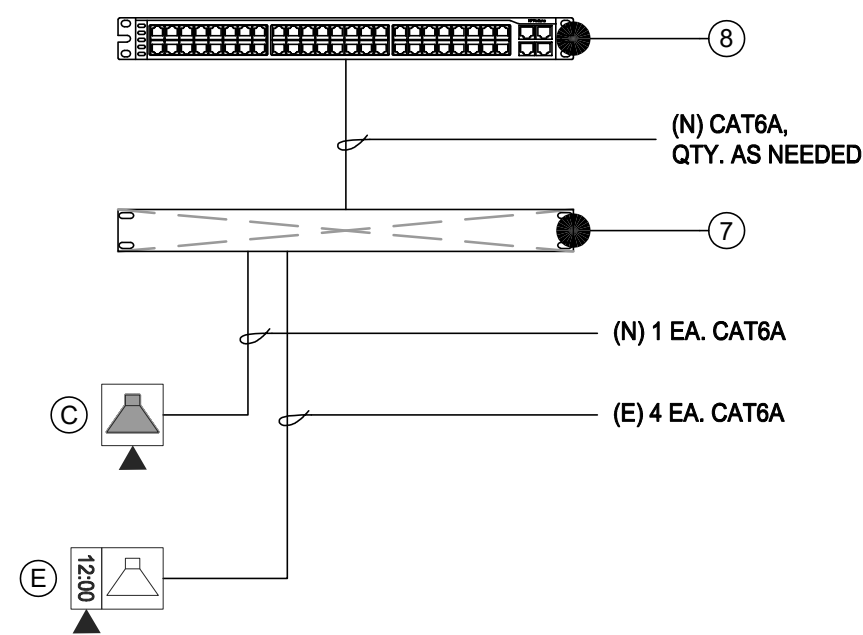
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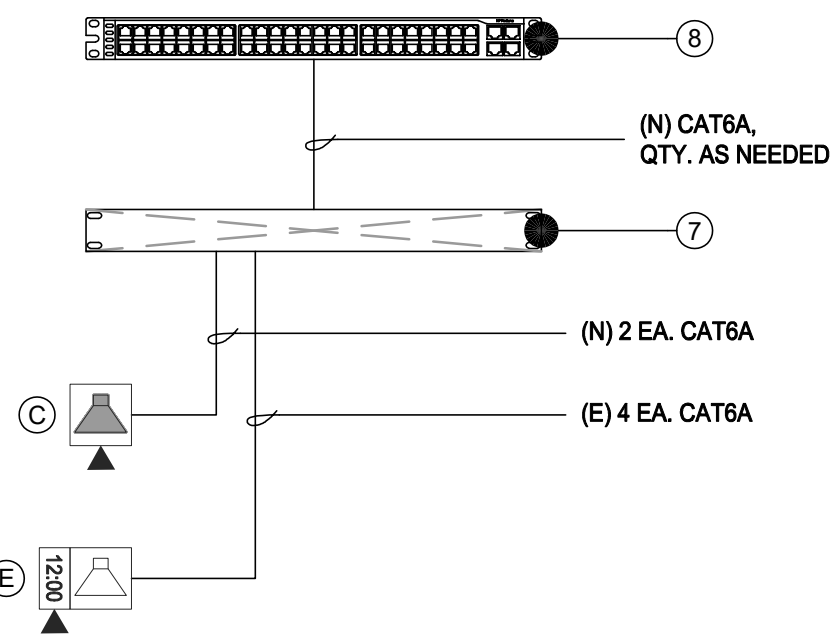
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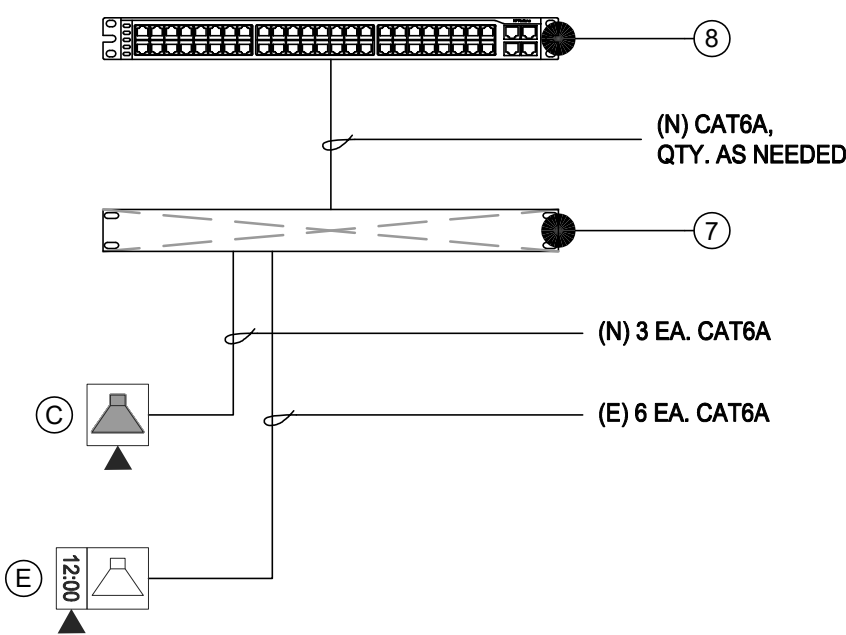
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SCALE: NONE



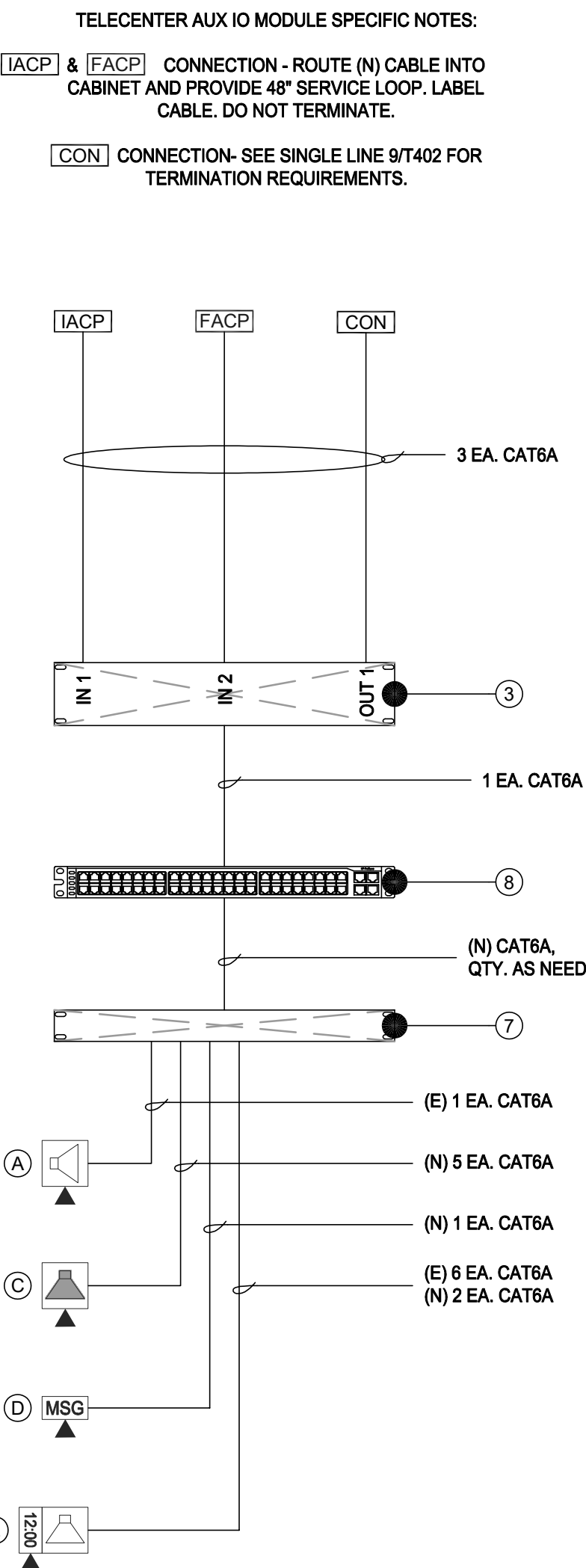
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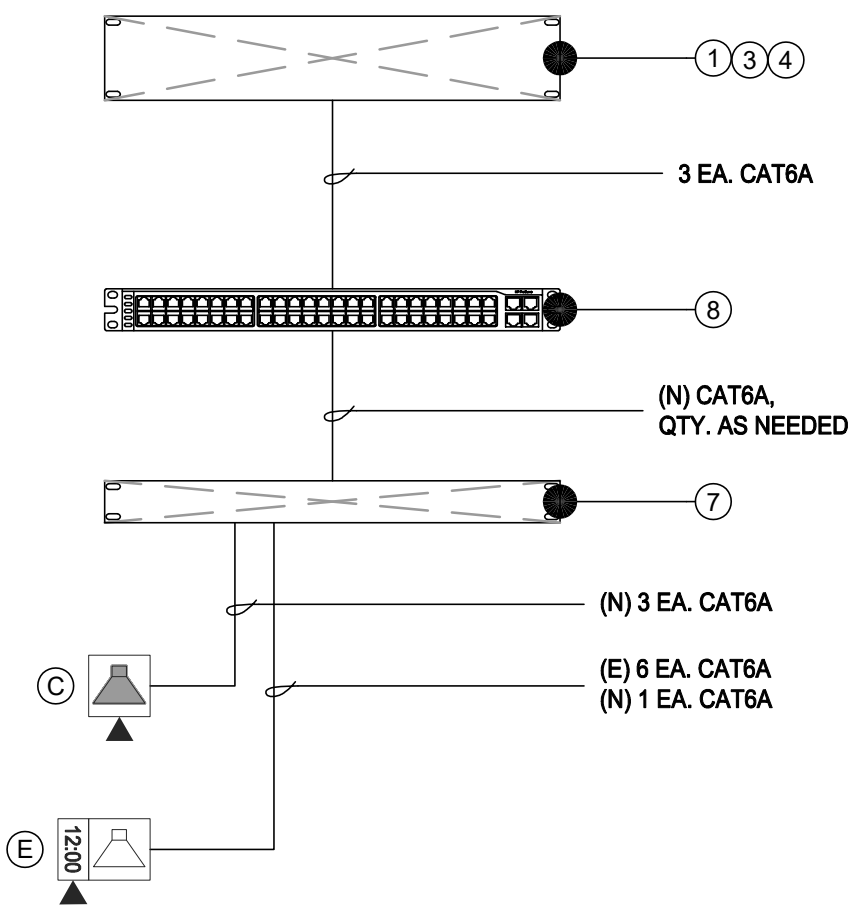
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2 DATA RACK LAYOUT - IDF 1.01
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1 DATA RACK LAYOUT - MDF 1.00
SCALE: NONE

EQUIPMENT INTERCOM SCHEDULE: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
①	TELECENTER U IP CONTROLLER	RAULAND	TCC2000	N/A
②	TELECENTER U ADMIN CONSOLE	RAULAND	TCC2045	N/A
③	TELECENTER U AUX. IN/OUT. MODULE		TCC2033	N/A
	UNIVERSAL RACK MOUNTING KIT		TCC2099	N/A
④	TELECENTER U PROGRAM LINE INPUT MODULE		TCC2055	N/A
⑦	24-PORT OR 48-PORT PATCH PANEL	SEE DATA TECHNOLOGY RACK ELEVATIONS BELOW FOR MORE INFORMATION.		(N) OR (E) AS NOTED
⑧	48-PORT NETWORK SWITCH	SEE DATA TECHNOLOGY RACK ELEVATIONS BELOW FOR MORE INFORMATION.		(N) OR (E) AS NOTED
[IACP]	INTRUSION ALARM CONTROL PANEL	EXISTING	EXISTING	N/A
[FACP]	FIRE ALARM CONTROL PANEL	EXISTING	EXISTING	N/A
[CON]	ACCESS CONTROL PANEL	EXISTING	EXISTING	N/A

EQUIPMENT SCHEDULE INTERIOR SURFACE SPEAKER: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES	
TELECENTER U IP CLASSROOM MODULE	RAULAND	TCC2011B	MOUNT INSIDE ENCLOSURE	
8 OHM, 8" SPEAKER WITH RJ45 CONNECTOR	RAULAND	US0880	N/A	
SPEAKER BAFFLE	RAULAND	ACC1003	N/A	
SURFACE MOUNT SPEAKER ENCLOSURE	RAULAND	ACC1112	N/A	

EQUIPMENT SCHEDULE EXTERIOR SURFACE SPEAKER: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES	
TELECENTER U IP CLASSROOM MODULE	RAULAND	TCC2011B	MOUNT INSIDE BUILDING	
TELECENTER U BREAKOUT MODULE	RAULAND	603101	MOUNT INSIDE BUILDING	
8 OHM, 8" MOISTURE RESISTANT SPEAKER	LOWELL	8C10MRB	N/A	
GRILLE VANDAL RESISTANT	RAULAND	ACC1012	N/A	
SURFACE MOUNT SPEAKER ENCLOSURE	RAULAND	ACC1113	N/A	
(N) SURFACE MOUNTED 4 GANG BACKBOX - WHITE	FSR	SMWB-4G-WHT	MOUNT INSIDE BUILDING	

EQUIPMENT SCHEDULE LARGE MESSAGE BOARD: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES	
LARGE MESSAGE BOARD	RAULAND	TCC3012L	N/A	
PROTECTIVE CAGE	AMERICAN TIME	G20550F-28	N/A	

EQUIPMENT SCHEDULE INTERIOR SURFACE CLOCK/SPEAKER COMBO: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES	
TELECENTER U IP CLASSROOM MODULE	RAULAND	TCC2011B	MOUNT IN ENCLOSURE	
IP DIGITAL CLOCK	RAULAND	TCC3011S	N/A	
BAFFLE ASSEMBLY WITH SPEAKER	RAULAND	ACC3011S	N/A	
SURFACE MOUNT ENCLOSURE CLOCK/SPEAKER COMBO	RAULAND	ACC3011SBB	N/A	

ACTION MATRIX: INTERCONNECTIONS TO OTHER SYSTEMS				
MODULES		TCC2033 (IDF 1.01)		
I/O PORTS		IN-1	IN-2	OUT-1
EVENT: LOCKDOWN				[C]
EVENT: INTRUSION ALARM ACTIVE	[A]			
EVENT: FIRE ALARM ACTIVE			[B]	
[A]	INPUT: CLOSURE FROM INTRUSION ALARM PANEL			
[B]	INPUT: CLOSURE FROM FIRE ALARM PANEL			
[C]	OUTPUT: CLOSURE TO ACCESS CONTROL			



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PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
SINGLE LINE DIAGRAMS

DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	
BID PACKAGE:	#0010-464
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-21
WORKING DATE:	2025-03-21

REVISION

SHEET
T402

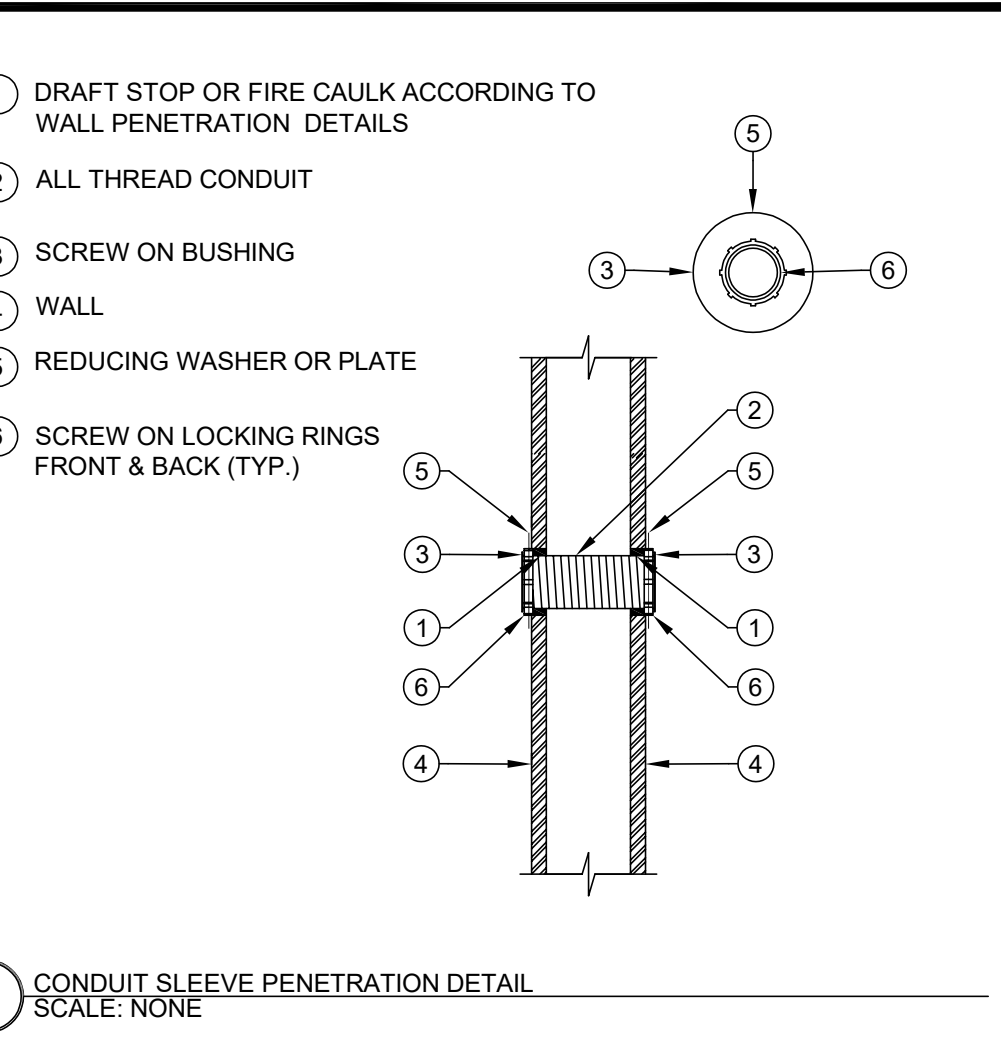
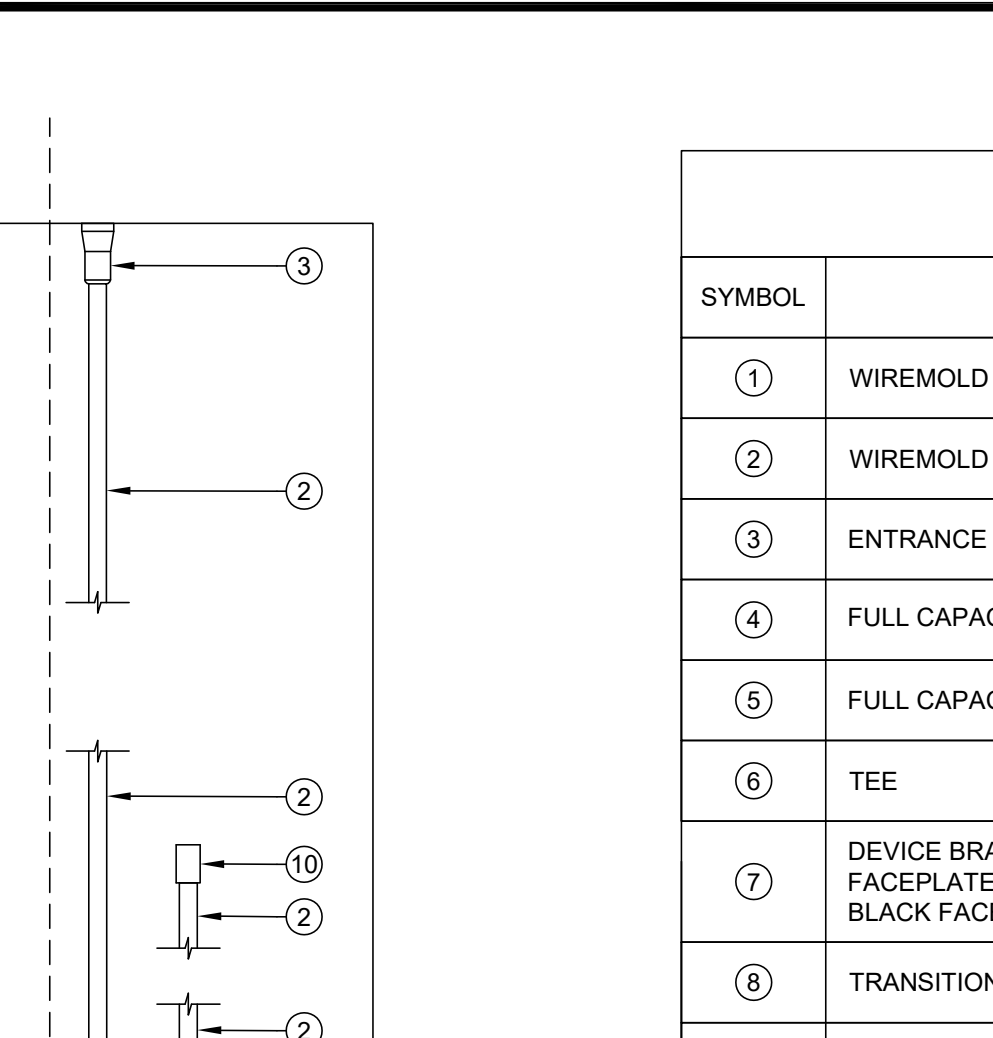
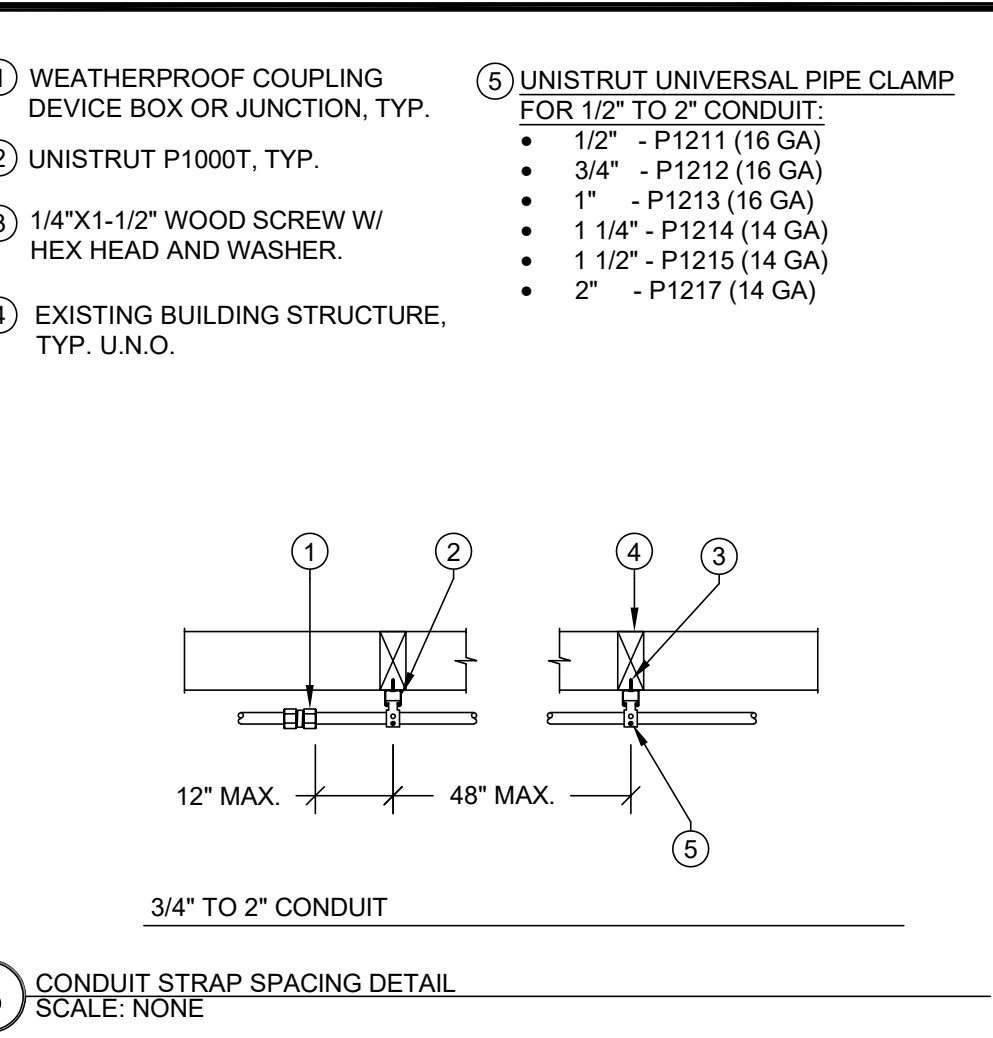
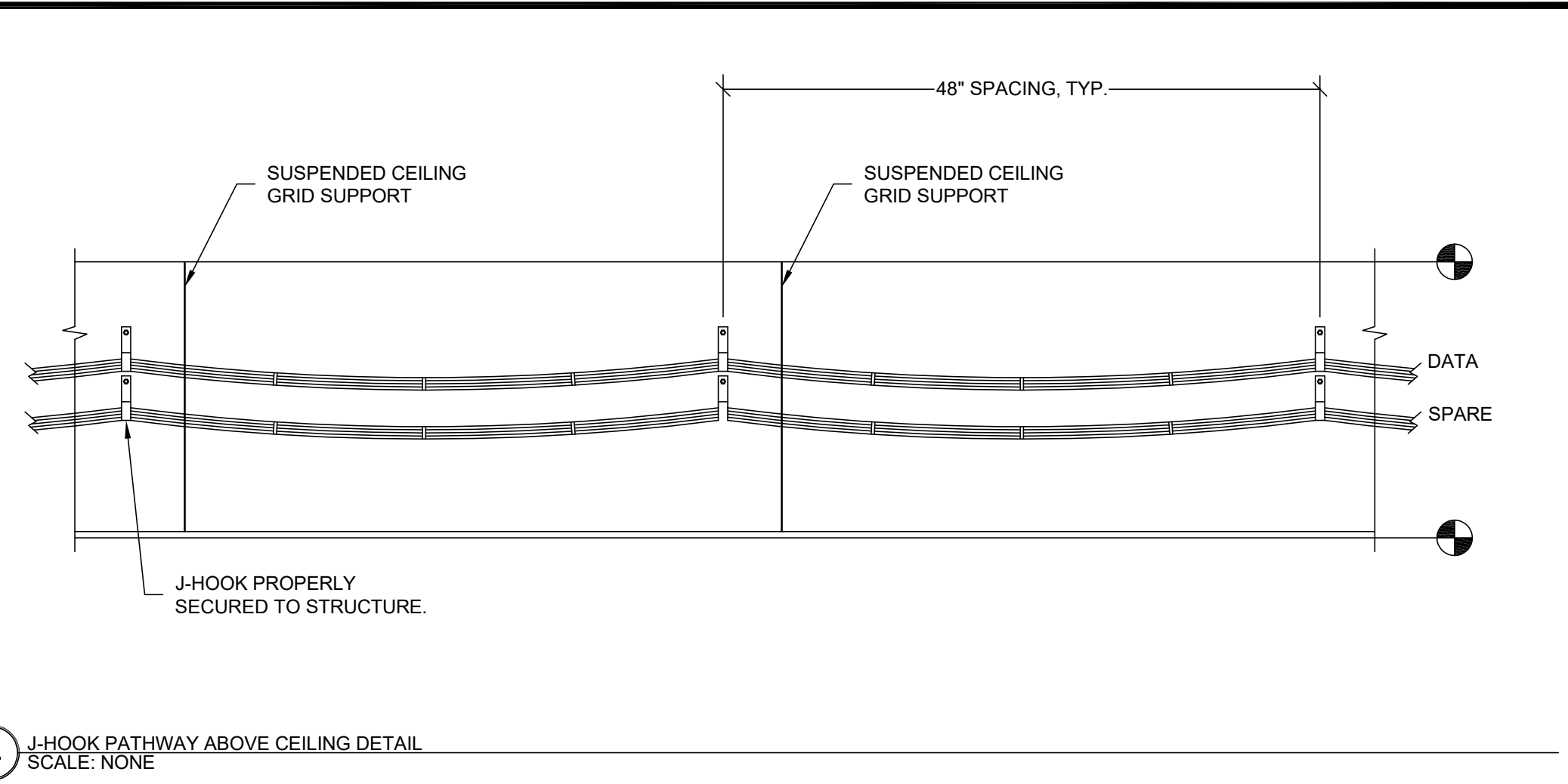
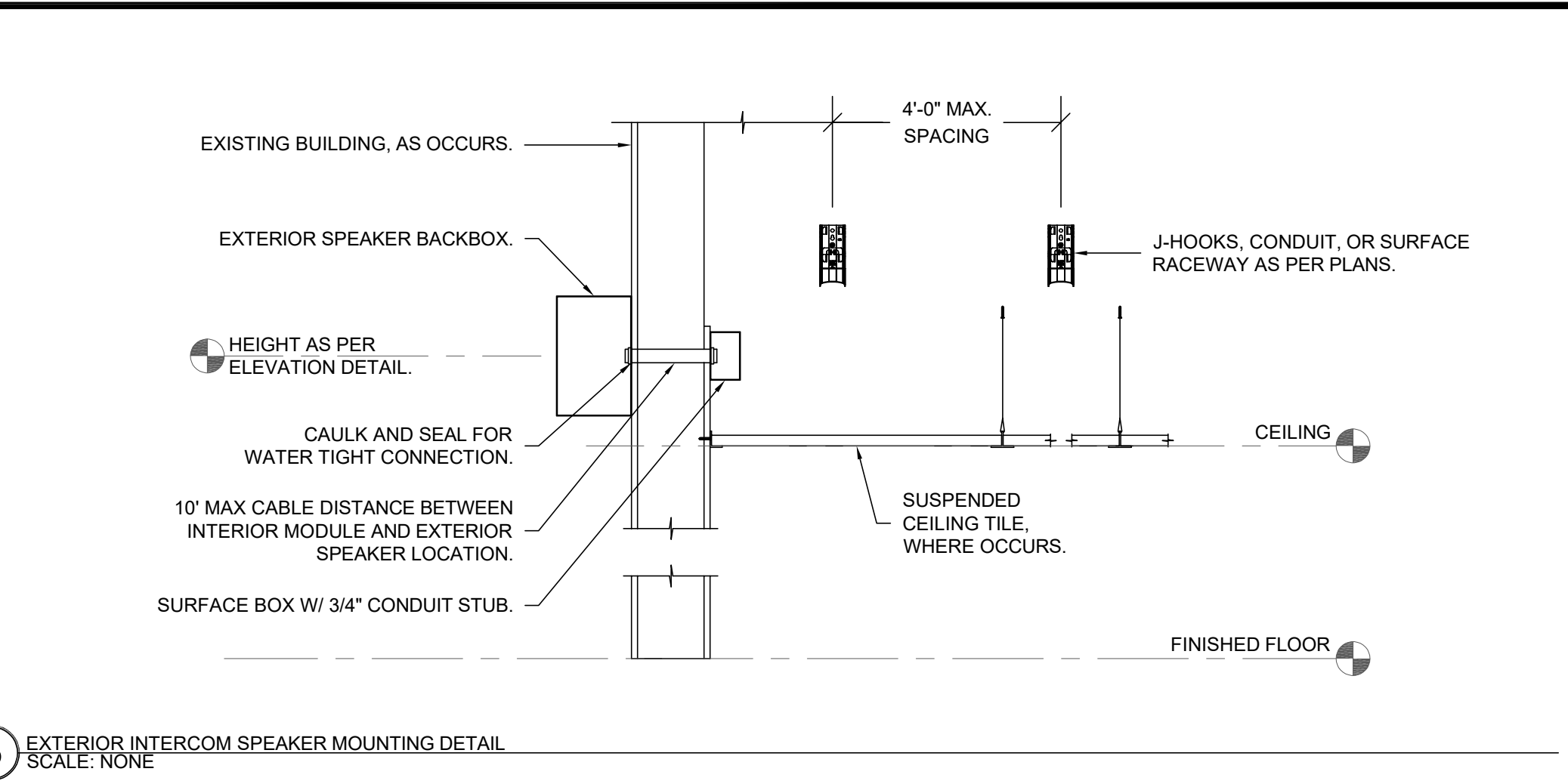
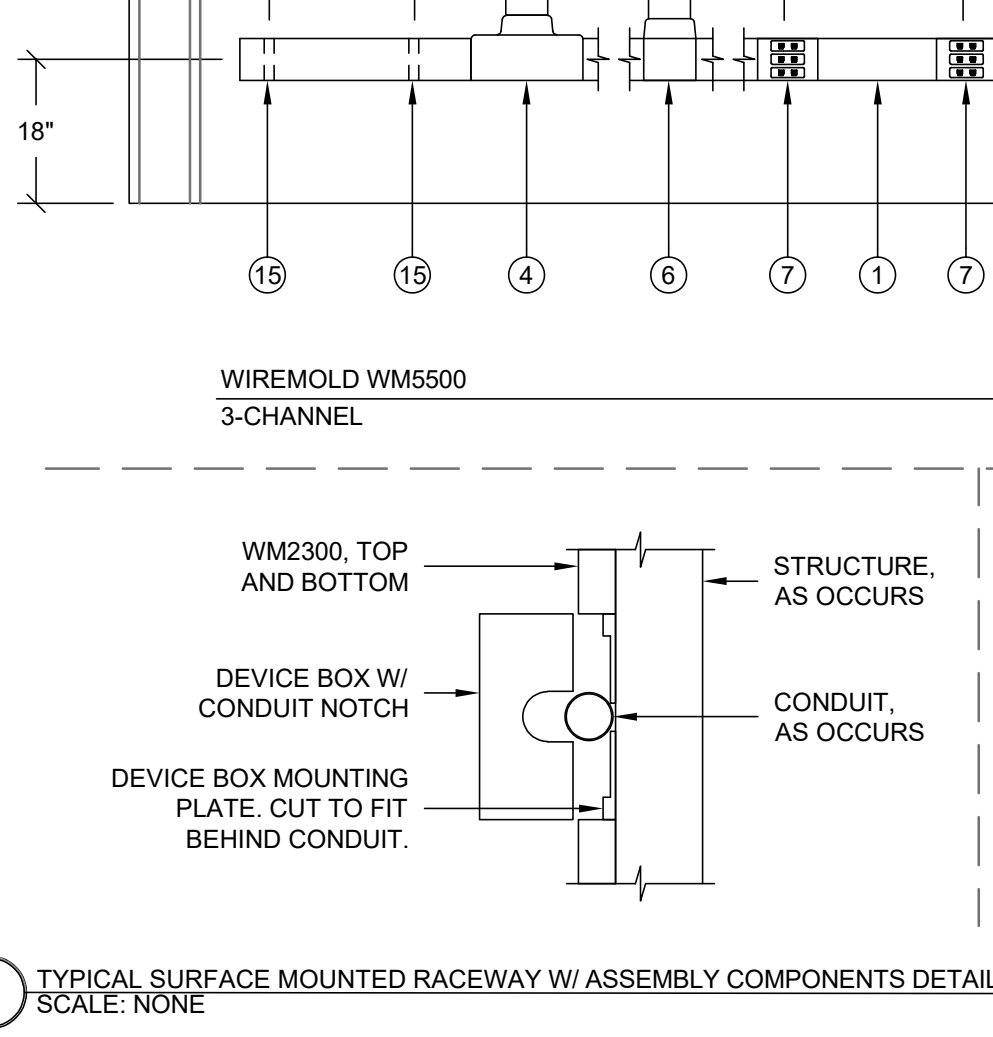
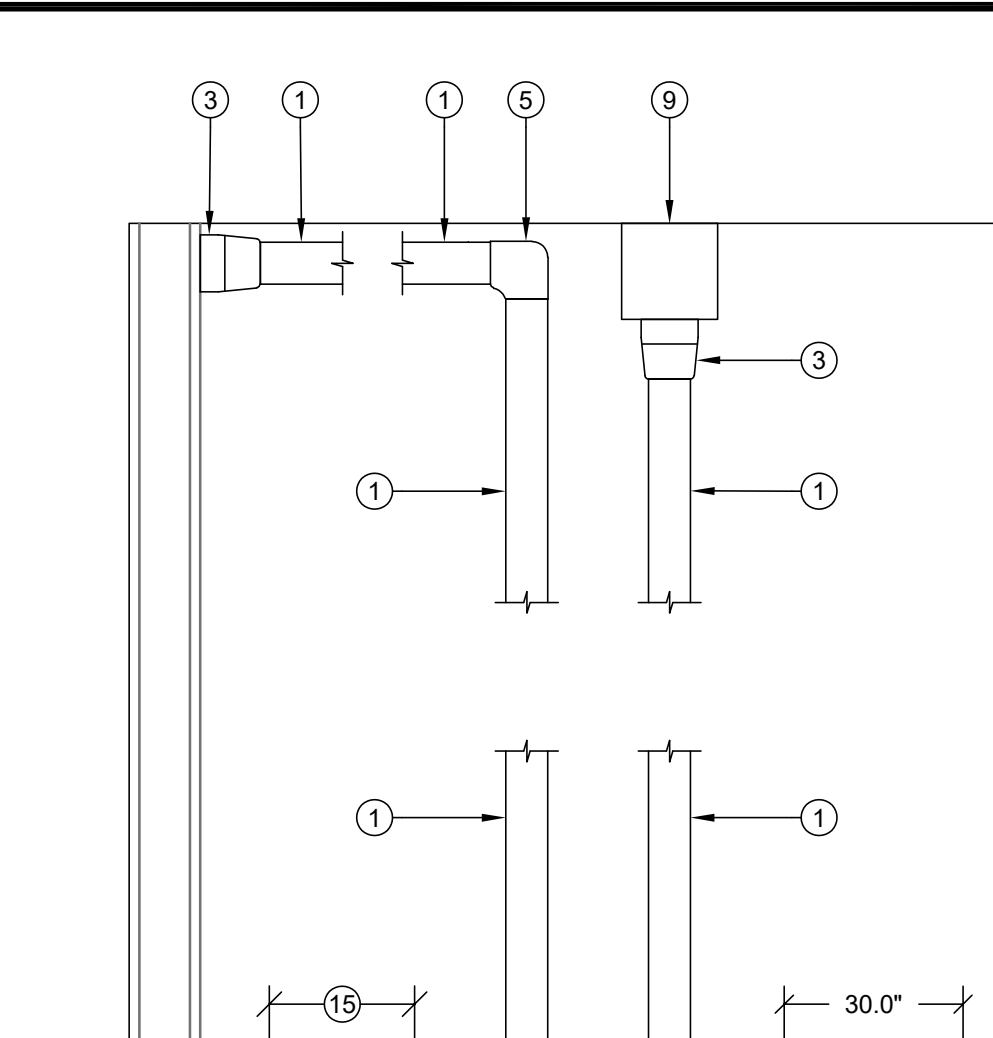
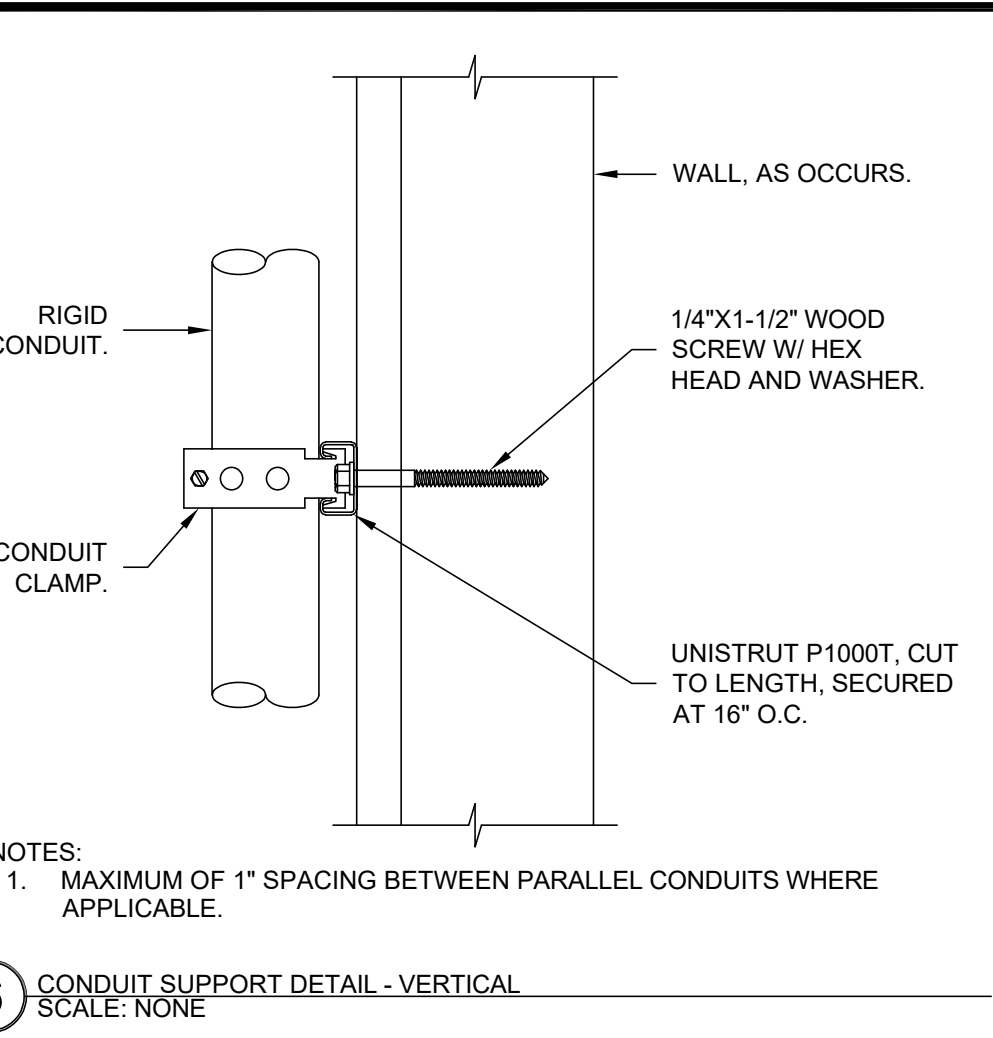
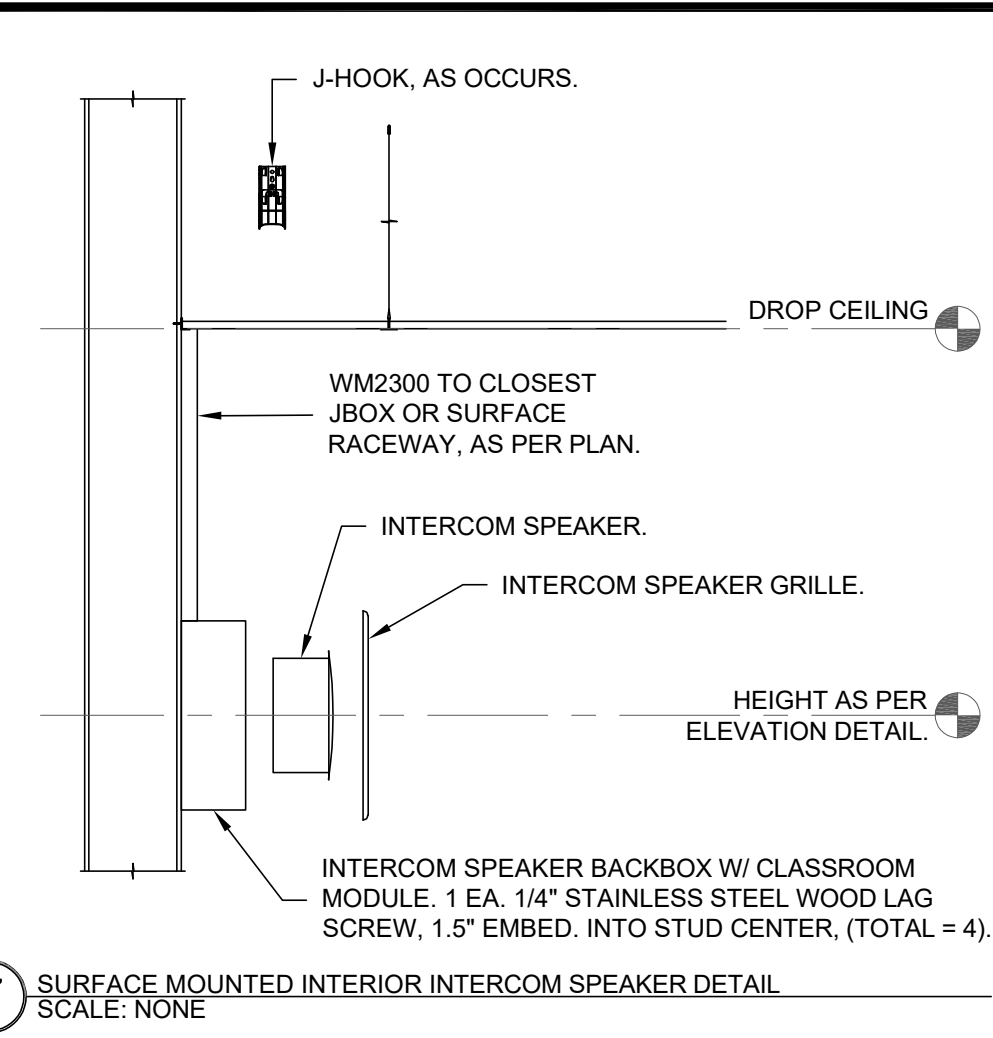
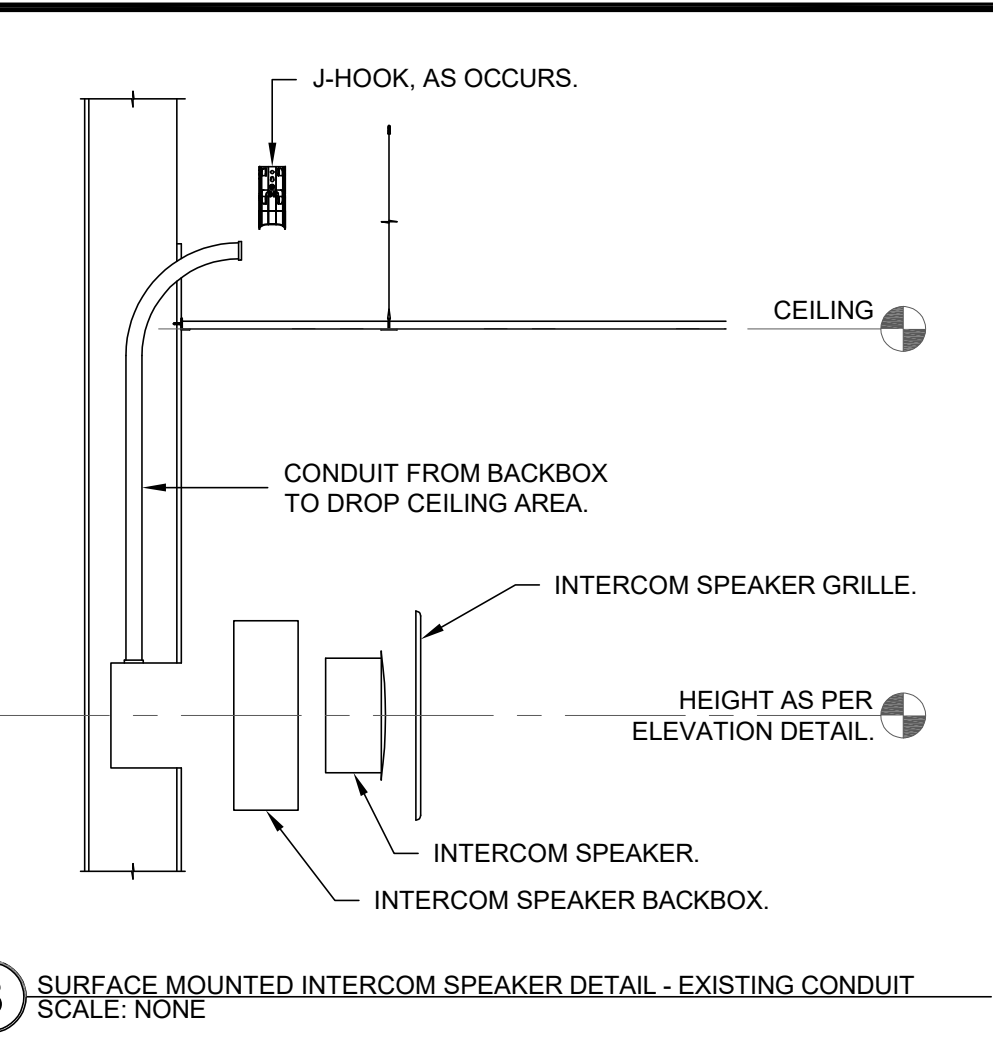
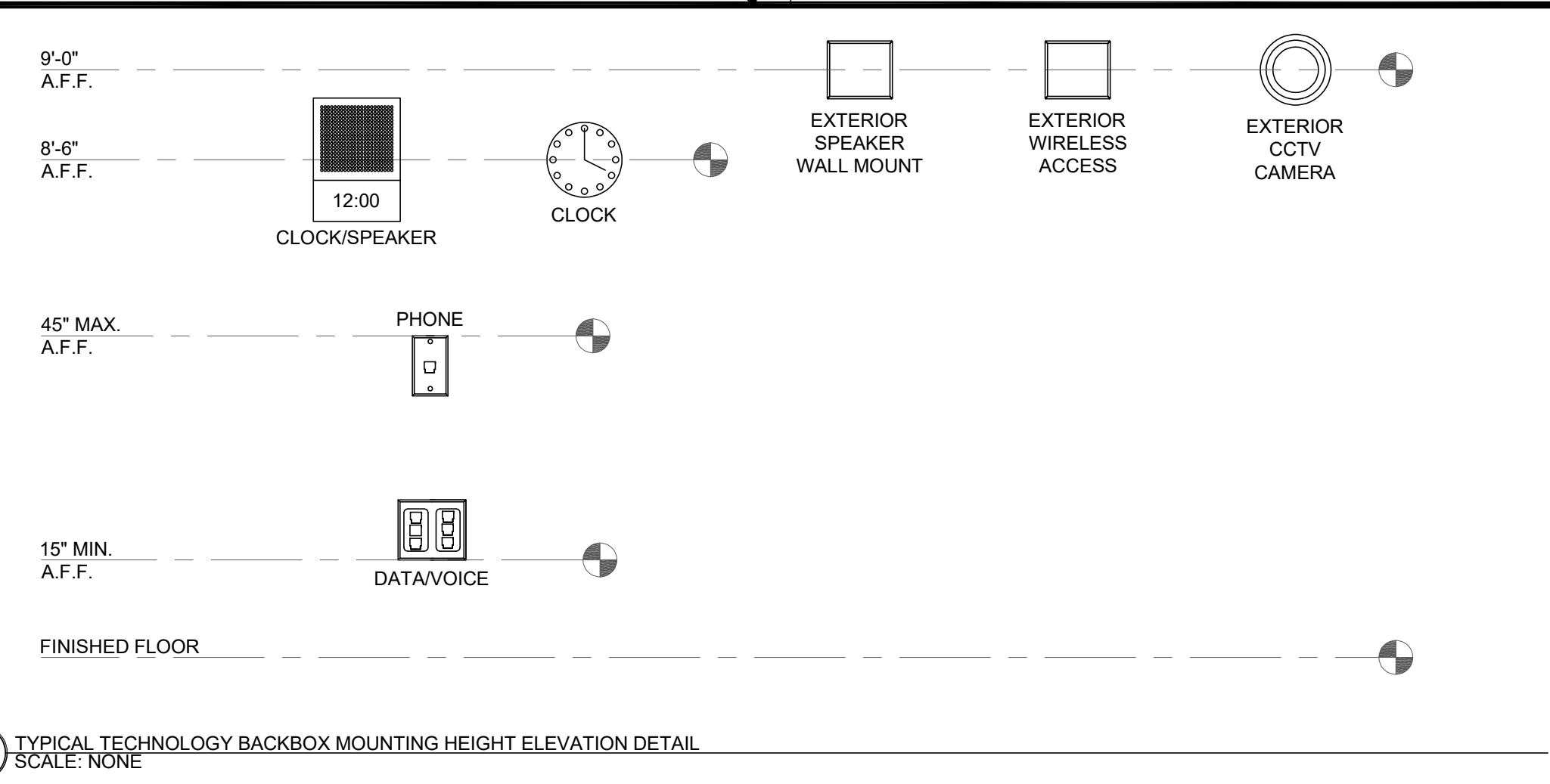
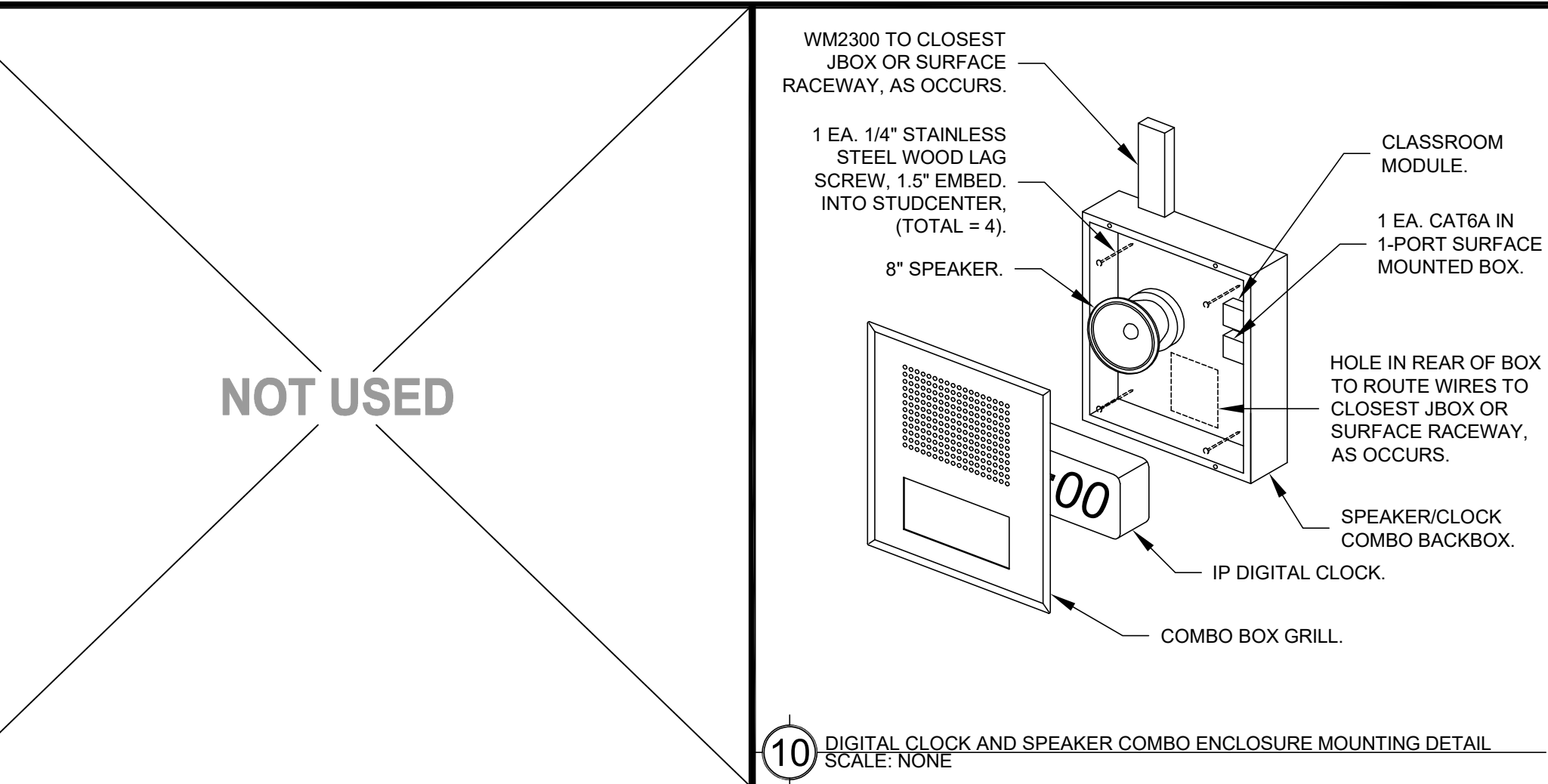
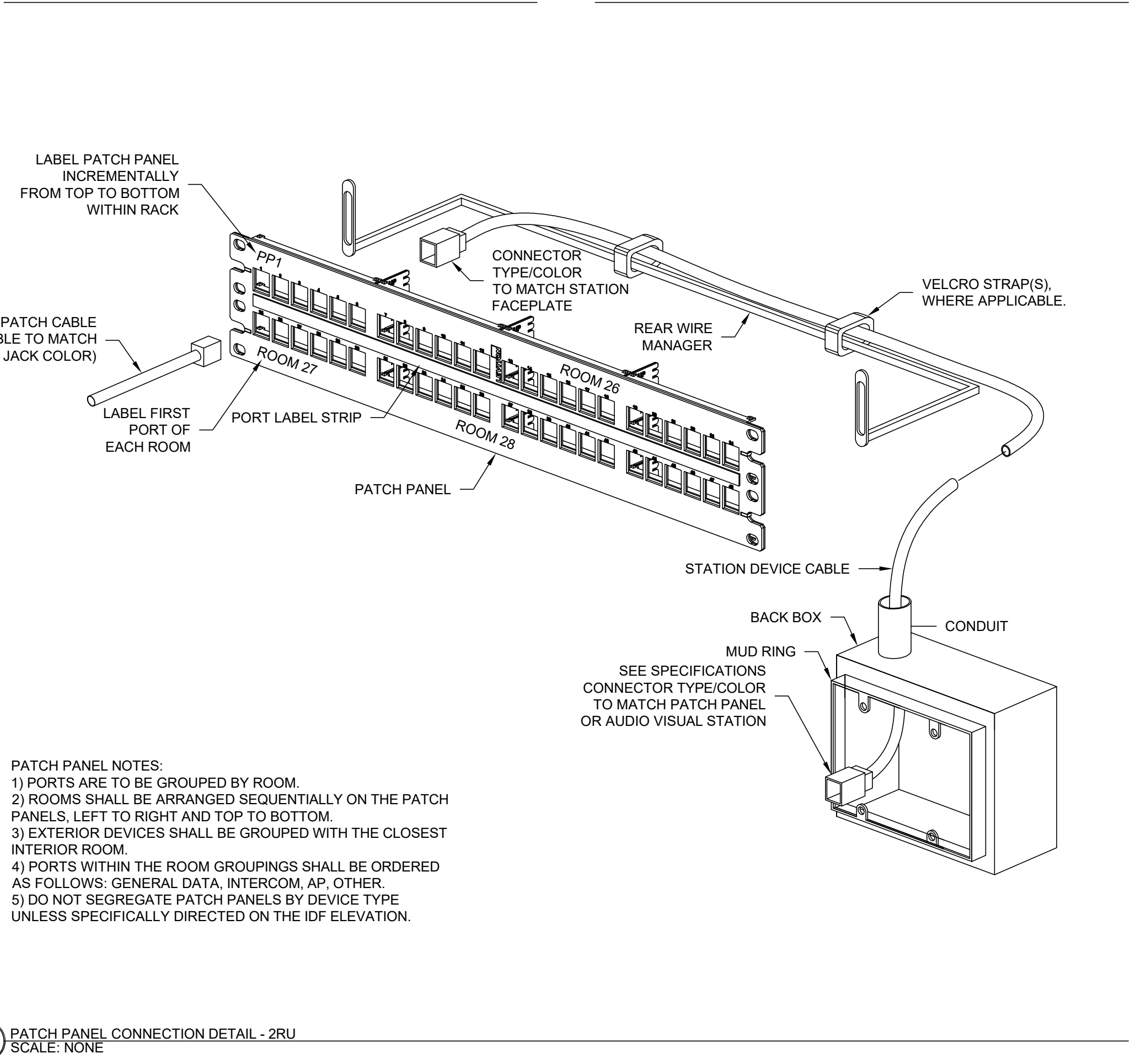
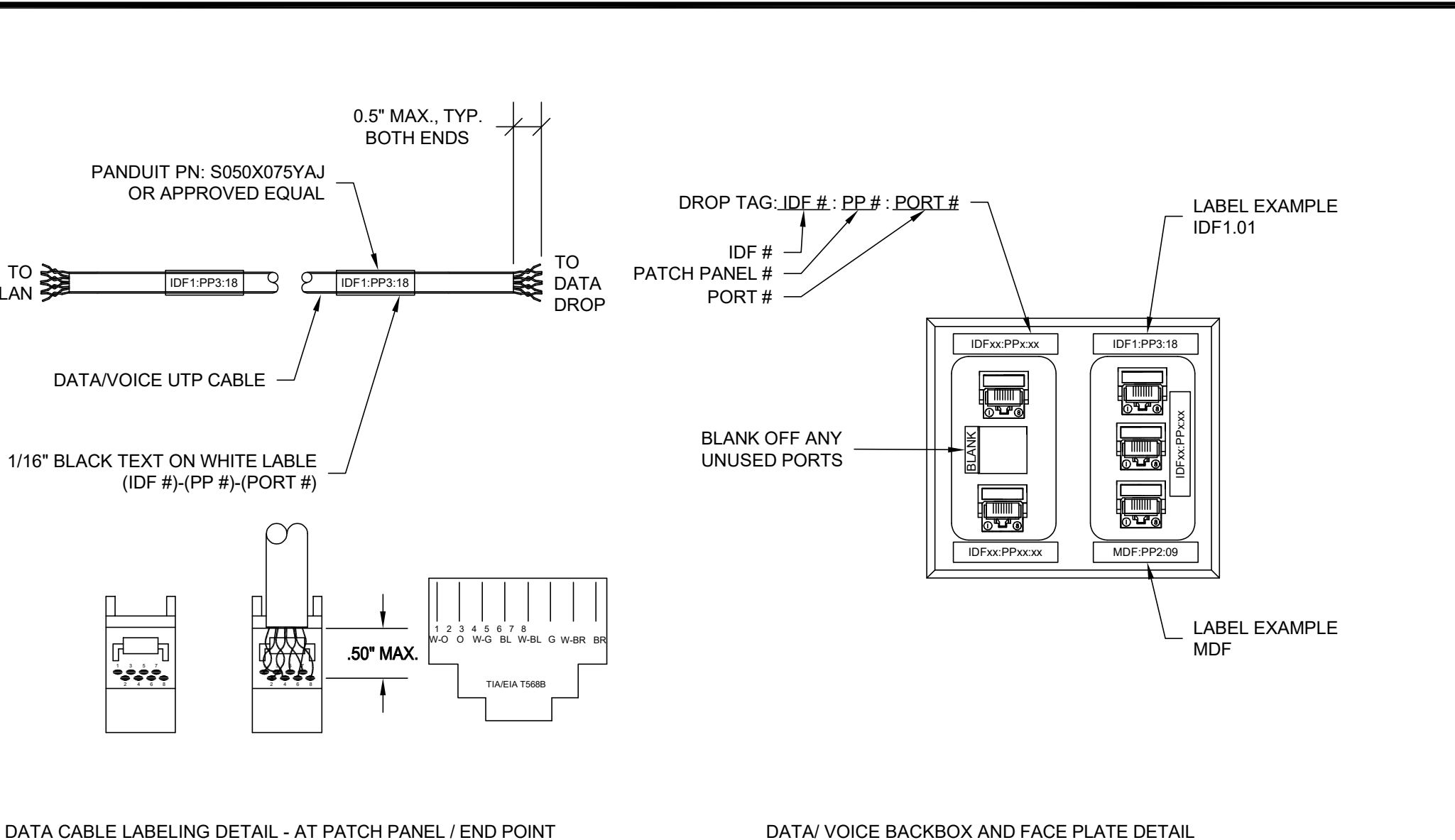
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NOT USED

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NOT USED



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°	5511FO	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.



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A.M. WINN
TELECENTER UPGRADE
3351 EXPLORER DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
DETAILS

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