

ABBREVIATIONS:	
A	AMPERE
AF	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
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
OF	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OSP	OUTSIDE PLANT
PVC	POLYVINYL CHLORIDE
RCD	REGISTERED COMMUNICATION DISTRIBUTION DESIGNER
RCWY	RACEWAY
RM	ROOM
SR	SURFACE RACEWAY
TY	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
	(N) DATA RACK	CHATSWORTH	SEE T400 FOR BUILD OUT REQ'S	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 CLOCK/SPEAKER/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	SEE 27 10 00	SEE 27 10 00	QTY. AS PER PLAN
	(N) CAT6A DATA DROP LOCATION (QTY = 2) - WIRELESS ACCESS POINT (T-BAR)	SEE 27 10 00	SEE 27 10 00	N/A
	(N) CAT6A DATA DROP LOCATION - EXTERIOR WIRELESS ACCESS POINT	SEE 27 10 00	SEE 27 10 00	N/A
	NETWORK SECURITY CAMERA (1X3MP SENSORS)	I-PRO	WV-S25500-V3L	N/A
	NETWORK SECURITY CAMERA (2X4MP SENSORS)	I-PRO	WV-U85402-V2L	N/A
	NETWORK SECURITY CAMERA (3X4MP SENSORS)	I-PRO	WV-S8543L	N/A
	NETWORK SECURITY CAMERA (4X4MP SENSORS)	I-PRO	WV-S8544L	N/A

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.	
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.	

SCOPE OF WORK:	
1. 1. THE CONTRACTOR SHALL PROVIDE A (N) RAULAND TELECENTER U INTERCOM SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.	
2. THE CONTRACTOR SHALL REWORK THE (E) IDF AND MDF LOCATIONS, INCLUDING INSTALLATION OF (N) OWNER-FURNISHED DATA NETWORK SWITCHES, AS NOTED.	
3. THE CONTRACTOR SHALL PROVIDE AND PERFORM OTHER DATA NETWORK INSTALLATION AND REWORK AS NOTED.	
4. SYSTEMS ON THIS PROJECT REQUIRE CERTIFIED INSTALLERS. CONTRACTOR SHALL COMPLY WITH ALL CERTIFICATION REQUIREMENTS AS A CONDITION OF BID.	
5. ALL EQUIPMENT SHALL BE NEW AND CONTRACTOR FURNISHED, UNO.	
6. AFTER CUTOVER TO NEW SYSTEMS, THE CONTRACTOR SHALL REMOVE OLD OR ABANDONED DATA NETWORK, AUDIOVISUAL, ANALOG TELEPHONE, ANALOG INTERCOM, ANALOG CLOCK, AND COAX CABLING AND DEVICES AS NOTED.	
7. THE PROJECT WILL REQUIRE SWING AND/OR GRAVEYARD AND/OR WEEKEND AND/OR HOLIDAY WORK SCHEDULES IN ORDER TO MEET THE PROJECT REQUIREMENTS AND MINIMIZE DISRUPTION TO THE ACTIVE USE OF THE SITE.	
8. THE CONTRACTOR SHALL CAREFULLY COORDINATE CUTOVERS AND ACTIVATION/COMMISSIONING OF NEW SYSTEMS WITH THE DISTRICT REPRESENTATIVE.	
9. THE CLOCK/INTERCOM SYSTEM AND ALL DATA NETWORK SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES THAT SCHOOL IS IN SESSION.	
10. PRIOR TO START OF CONSTRUCTION, CONTRACTOR TO PROVIDE DISTRICT REPRESENTATIVE WITH THREE (3) 12TB HARD DRIVES COMPATIBLE WITH (E) NVR SERVER: MFG: AXIOM PART NUMBER: 7XB7A00068-AX CAPACITY: 12TB	
11. PROVIDE AND INSTALL I-PRO CAMERAS AND COMPONENTS. SEAL AND WEATHER PROOF ALL EXTERIOR CAMERAS / PENETRATIONS.	
12. PROVIDE DISTRICT REPRESENTATIVE WITH MAC ADDRESSES OF ALL (N) CAMERAS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO INSTALL. DO NOT CONNECT (N) CAMERAS TO DISTRICT NETWORK SWITCH WITHOUT PRIOR AUTHORIZATION FROM DISTRICT REPRESENTATIVE.	
13. REVIEW ALL (N) AND (E) CAMERA VIEWS WITH SITE ADMINISTRATION AND DISTRICT OR ITS REPRESENTATIVE AND MAKE ADJUSTMENTS AS REQUIRED PRIOR TO PROJECT COMPLETION.	

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.	

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.	
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 SPEAKER COVERAGE
T200	TECHNOLOGY FLOOR PLAN NEW - MDF 1.00 AND IDF 1.01
T201	TECHNOLOGY FLOOR PLAN NEW - IDF 1.02 AND 1.03
T202	TECHNOLOGY FLOOR PLAN NEW - IDF 1.04 AND 1.05
T203	TECHNOLOGY FLOOR PLAN NEW - IDF 1.06
T400	TECHNOLOGY RACK ELEVATIONS
T401	TECHNOLOGY RACK ELEVATIONS
T402	TECHNOLOGY SINGLE LINE DIAGRAMS
T800	TECHNOLOGY DETAILS
T801	CCTV DETAILS
T802	TECHNOLOGY DETAILS
T900	CCTV PICTURES



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SHEET REVISIONS

DELTA	DESCRIPTION	DATE

SITE KEY PLAN

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN
TELECENTER UPGRADE
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
COVER SHEET

DRAWING STATUS

CONSTRUCTION DOCUMENTS

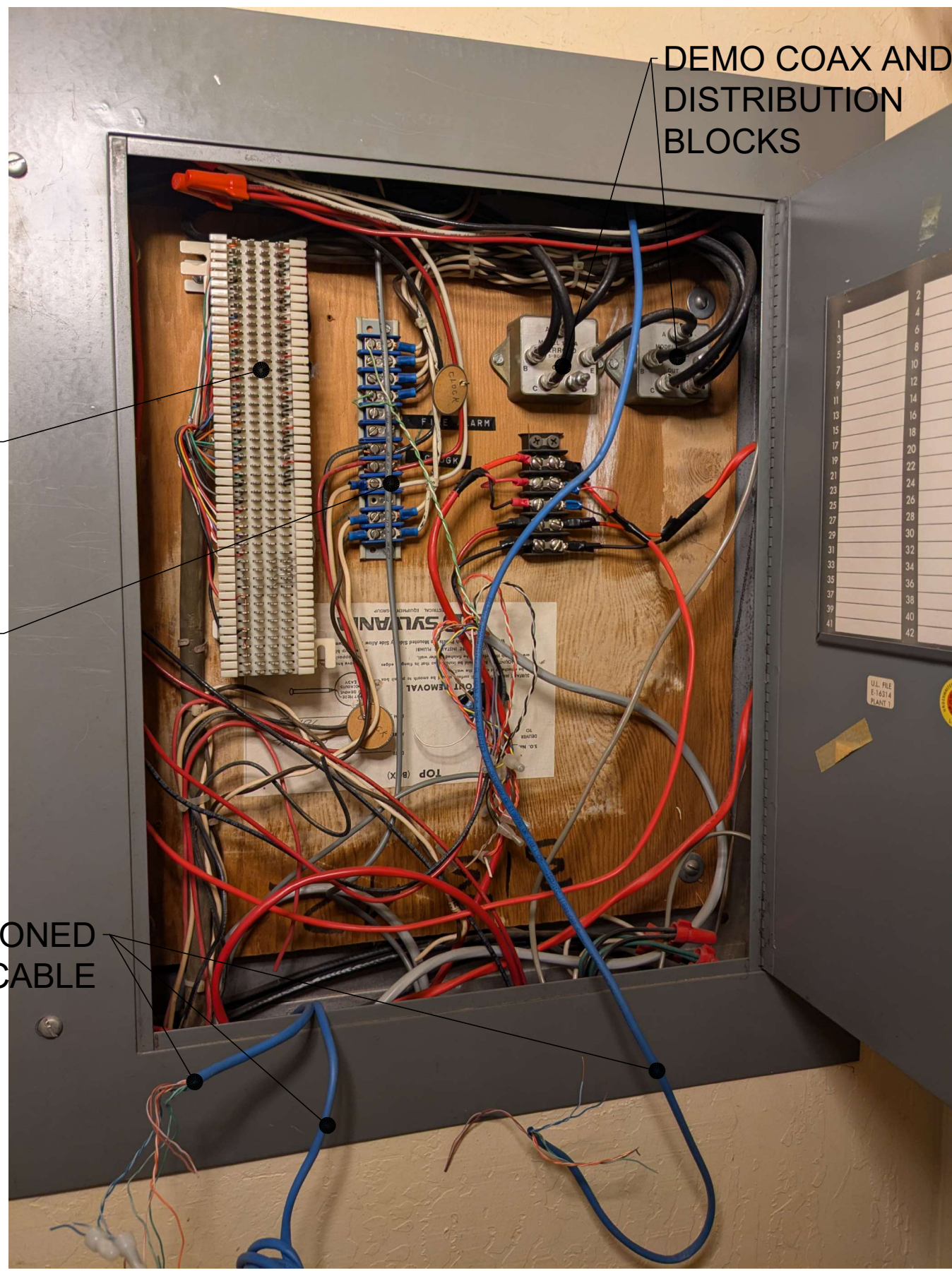
PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

SHEET

T000

PICTURE DETAIL - STC CABINET DEMO (TYP.)



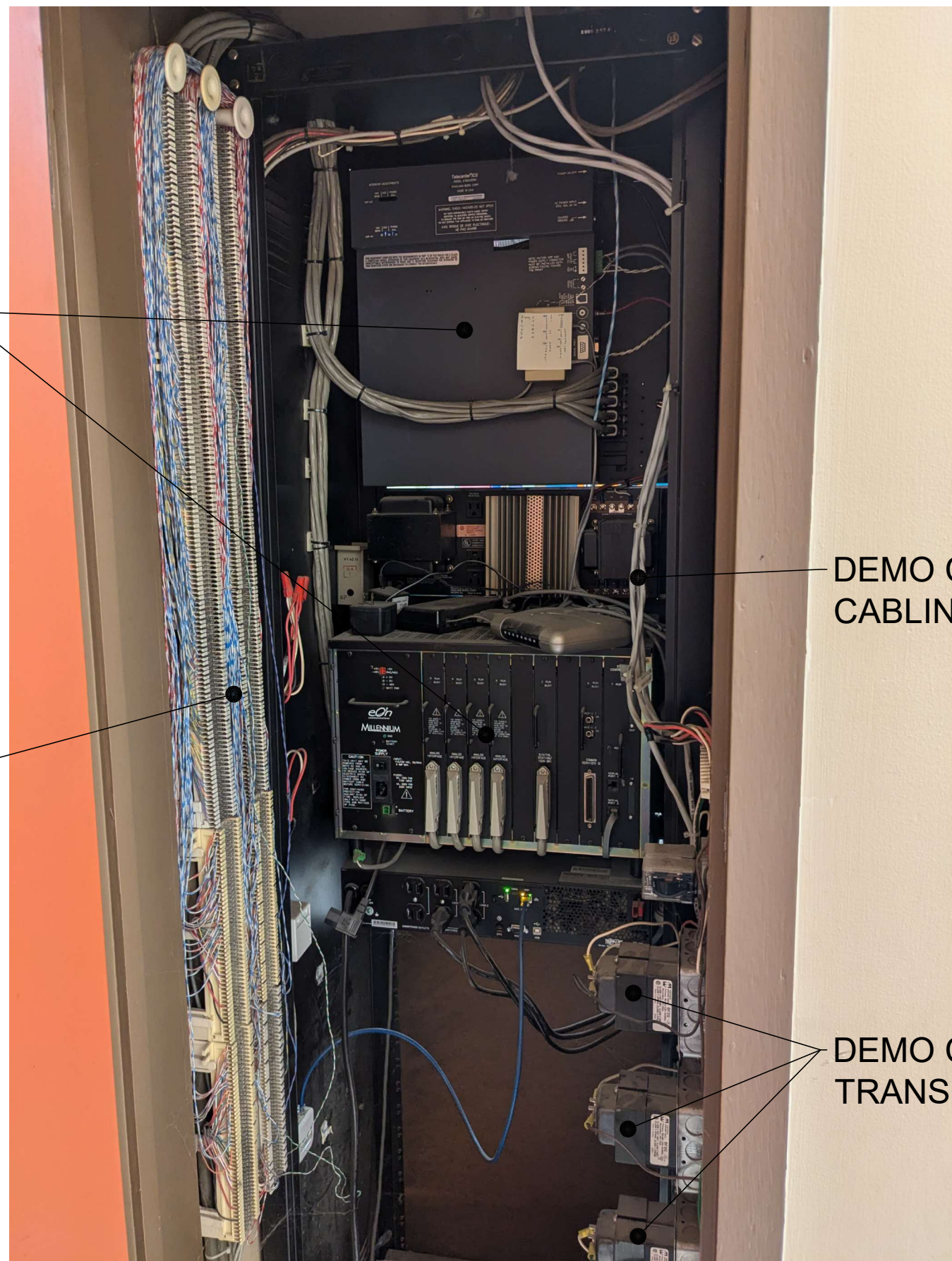
DEMO ALL RACK EQUIPMENT

DEMO 66 BLOCKS AND ALL ASSOCIATED CABLING

DEMO CLOCK CABLING

DEMO CLOCK TRANSFORMERS

PICTURE DETAIL - TELECENTER HEADEND DEMO



CONDUIT QTY. AND SIZE:

- ① 4 EA. 2" CONDUIT.

GENERAL NOTES:

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

SHEET NOTES:

- ABANDONED IDF. DEMO ALL CABLES TO ENDPOINT. REMOVE ELECTRICAL TO NEAREST J-BOX. REMOVE CABINET AND BACKBOARD.
- ABANDONED CCTV CAMERA. REMOVE CAMERA DEVICE AND CABLING TO SOURCE. PROVIDE BLANKING PLATE OR WALL PATCH AS REQD.
- DEMO (E) CLOCK AND SURFACE RACEWAY. DEMO CABLE TO SOURCE.
- DEMO (E) SPEAKER. DEMO CABLE TO SOURCE. WATERPROOF ANY PENETRATIONS.
- ADDEMO ANALOG TELEPHONE WALL PLATE AND CABLING TO SOURCE. PROVIDE BLANK COVER PLATE.
- DEMO ABANDONED WIREMOLD AND SURFACE BOX.
- DEMO ABANDONED COAX PLATE AND CABLING TO SOURCE. PROVIDE BLANK COVER PLATE AS REQD.
- DEMO ALL ANALOG CLOCK, INTERCOM, COAX, AND ABANDONED DATA CABLES AT THIS STC CABINET. SEE TYPICAL STC DEMO PICTURE DETAIL.
- DEMO TELECENTER HEADEND EQUIPMENT AND CABLING. SEE PICTURE DETAIL.
- DEMO TV AND WALL MOUNT.
- DEMO ABANDONED DATA DROP LOCATION AND CABLING TO SOURCE. PROVIDE BLANK COVER PLATE AS REQD.
- DEMO TELECENTER AUDIO INPUT LOCATION AND CABLING TO SOURCE.
- AFTER BUILDOUT OF NEW MDF. DEMO MDF RACK AND BACKBOARD. REMOVE ELECTRICAL TO NEAREST J-BOX. REPLACE CEILING TILES TO MATCH EXISTING. PROVIDE PAINTED PLYWOOD COVER OVER ABANDONED WALL PENETRATIONS.
- AFTER BUILDOUT OF NEW MDF. DEMO CCTV WALL RACK AND ABANDONED MM FIBER CABLING. DEMO OTHER CABLING THIS LOCATION PER DEMO TAGS.
- DEMO COAX ON WALL AND ALONG CANOPY TO SOURCE.

DEMO TAG NOTES:

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

LOCATION	TAG ID	DESCRIPTION
S7	233220	6 EA. 25 PAIR, 7 EA. CAT3, 66-BLOCKS
	233211	5 EA. CAT5, PATCH PANEL
	233212	5 EA. RG58
	233213	3 EA. CAT5
	233214	4 EA. 6-ST MM FIBER



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PROJECT
**SACRAMENTO CITY
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ABRAHAM LINCOLN
TELECENTER UPGRADE**
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

SHEET TITLE
**TECHNOLOGY
SITE PLAN -
DEMO**

DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

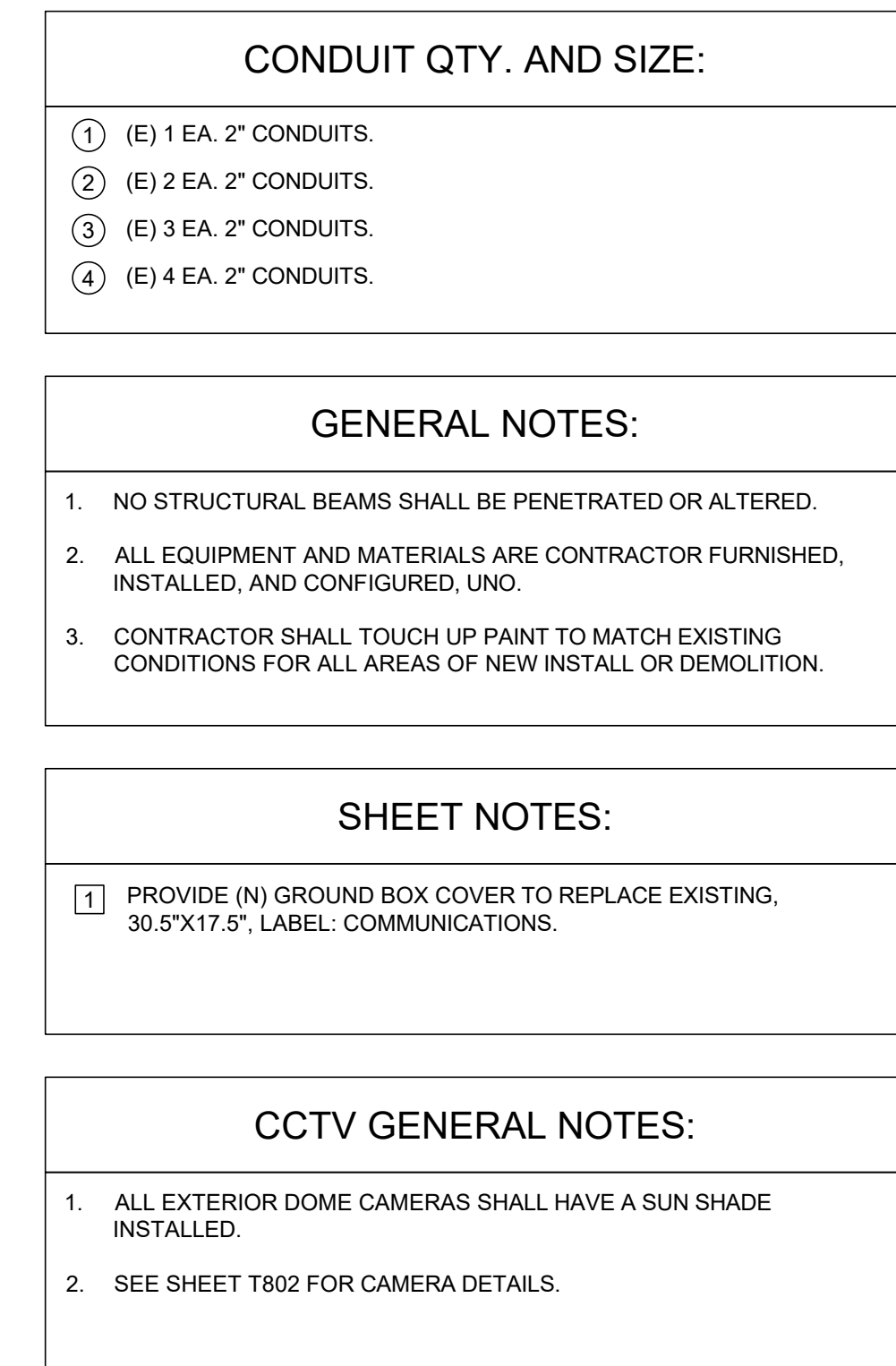
SHEET

T100

TECHNOLOGY SITE PLAN - DEMO

SCALE: 1"=20'





SHEET **T100**



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SHEET TITLE

TECHNOLOGY
SITE PLAN -
EXTERIOR SPEAKER
COVERAGE

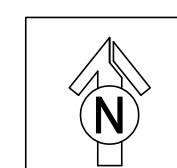
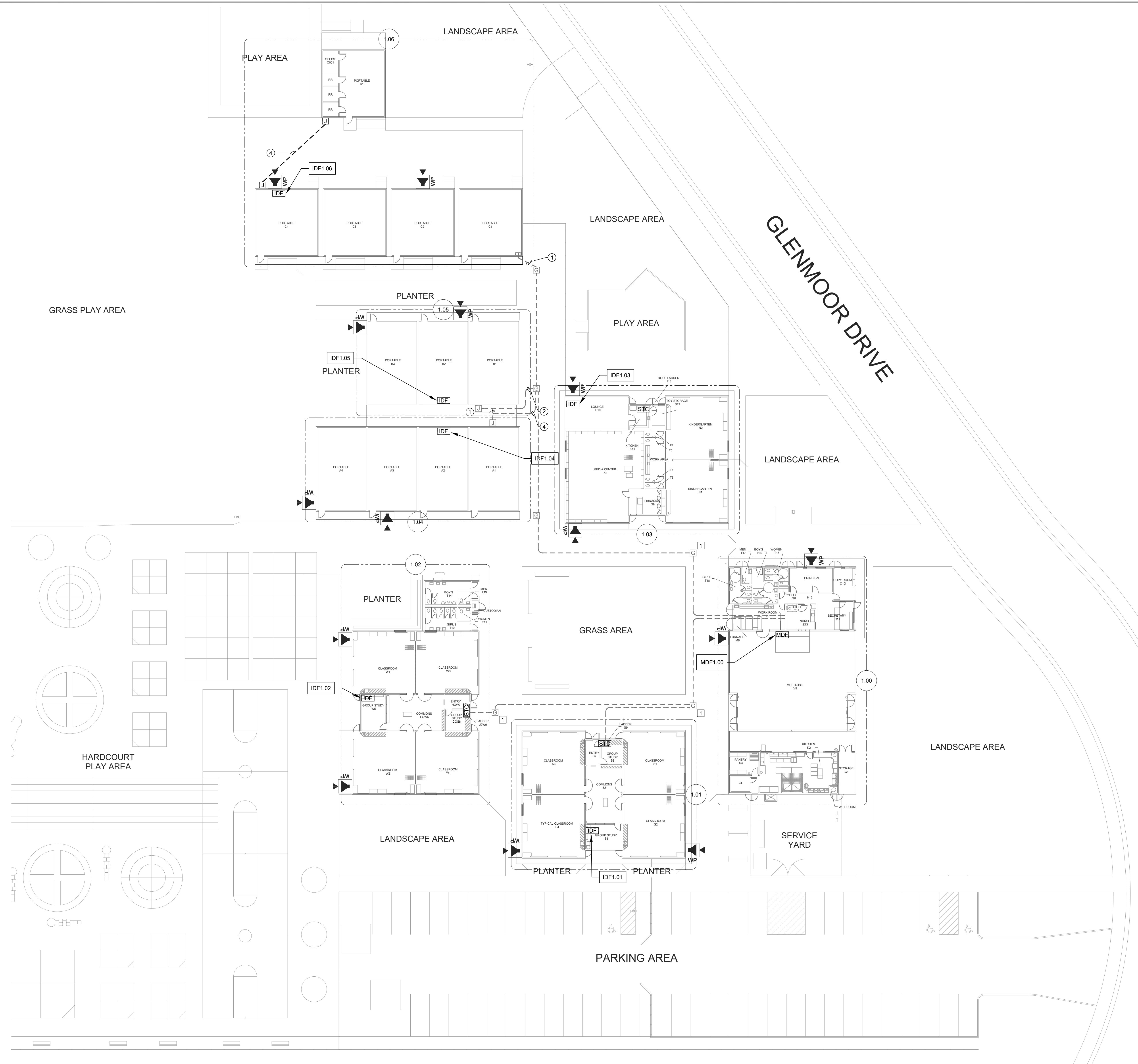
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REVISION

SHEET **T101**

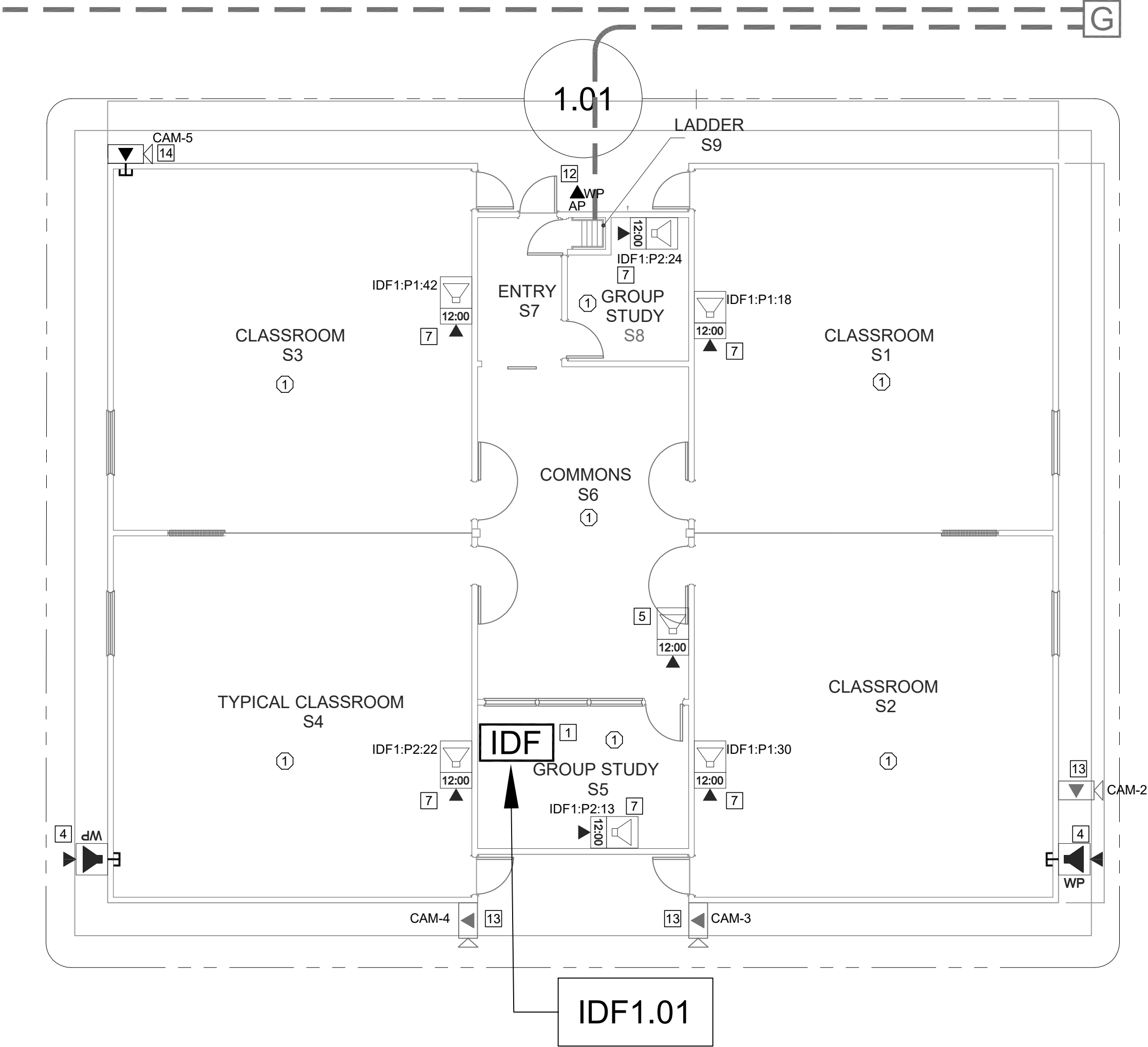


TECHNOLOGY SITE PLAN - EXTERIOR SPEAKER COVERAGE

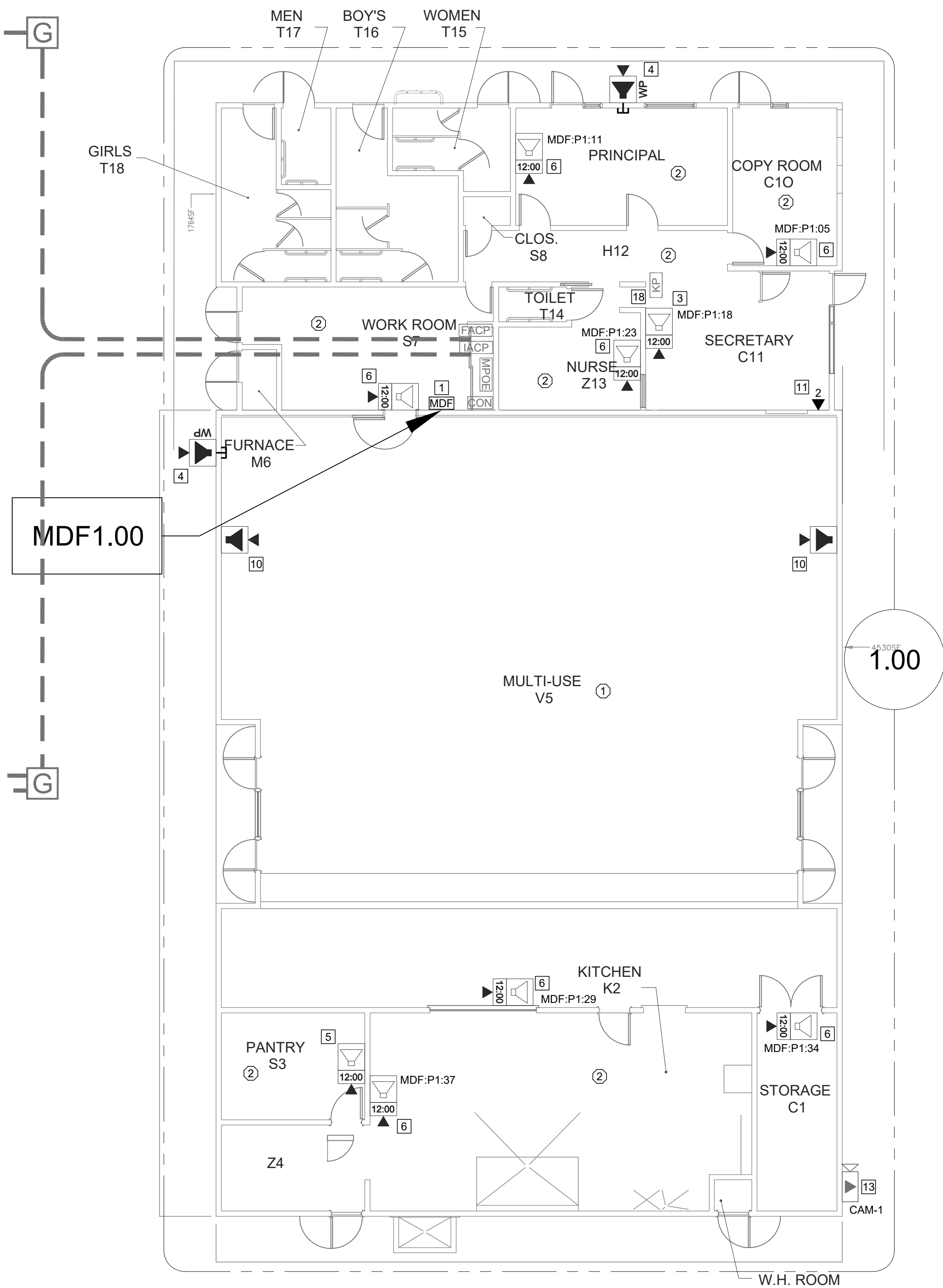
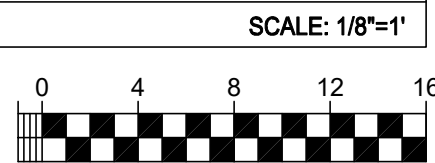
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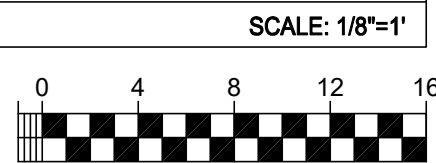
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Plot Date: June 16, 2025 - 10:37 am
Project: Sacramento City Unified School District
Drawing: Technology Floor Plan - New.dwg
User: jacob



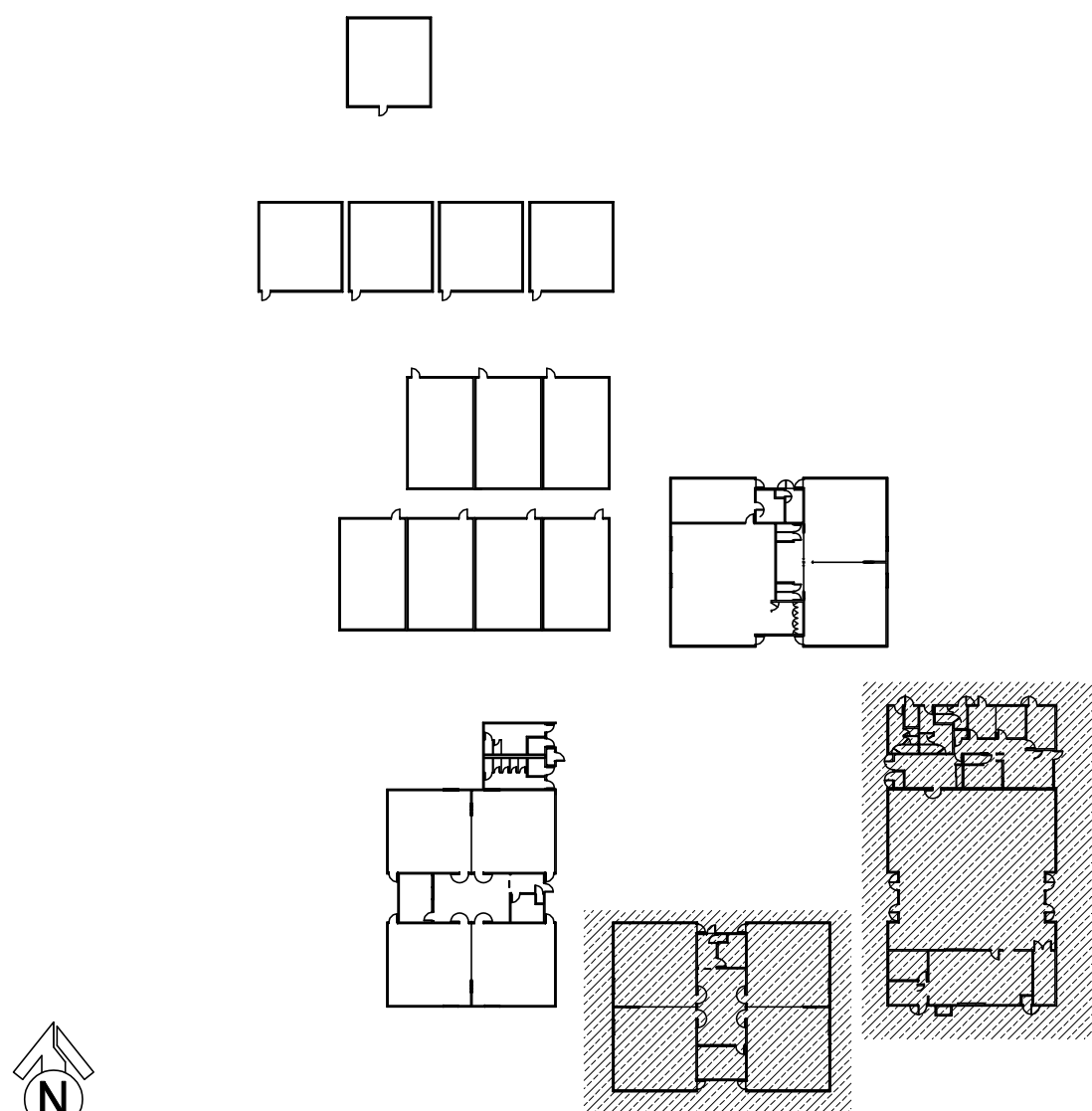
TECHNOLOGY FLOOR PLAN - IDF1.01



TECHNOLOGY FLOOR PLAN - MDF1.00



KEY PLAN



CEILING CONDITION CHART:

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

GENERAL NOTES:

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

SHEET NOTES:

- REWORK MDF/IDF PER RACK ELEVATION. SEE T400/T401.
- 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.
- REMOVE (E) WIREMOLD SURFACE BOX WITH PREWIRED DATA DROP. INSTALL (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK.
- 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.
- PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP FISH THROUGH WALL TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
- REMOVE (E) CLOCK/SPEAKER COMBO BAFFLE. PROVIDE (N) RETROFIT BAFFLE WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. NOTCH CENTER DIVIDER OF (E) BACKBOX TO ACCOMMODATE CLOCK. REWORK (E) DATA DROP IN ADJACENT SURFACE BOX INTO (E) BACKBOX BY FISHING FROM ACCESSIBLE CEILING. DEMO ABANDONED SURFACE BOX AND WIREMOLD TO CEILING.
- REMOVE (E) CLOCK/SPEAKER COMBO BAFFLE. PROVIDE (N) RETROFIT BAFFLE WITH (N) SPEAKER, (N) CLASSROOM MODULE, AND (N) IP CLOCK. NOTCH CENTER DIVIDER OF (E) BACKBOX TO ACCOMMODATE CLOCK. LOCATE (E) DATA DROP ABOVE T-BAR AND REWORK INTO (E) BACKBOX VIA (E) CONDUIT STUB TO ACCESSIBLE CEILING.
- PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. REWORK (E) DATA DROP INTO (N) METAL WIREMOLD BOX (P/N V5741). METAL BOX REQUIRED HERE FOR ADEQUATE STABILITY OF LARGE MESSAGE BOARD.
- REMOVE (E) SPEAKER FROM (E) BAFFLE. PROVIDE (N) SPEAKER AND (N) CLASSROOM IP MODULE. MOUNT (N) SPEAKER ON (E) BAFFLE. PROVIDE (N) 1 EA. CAT6A DATA DROP. ROUTE VIA (E) CONDUIT STUB FROM BACKBOX TO ABOVE T-BAR.
- PROVIDE (N) CAT6A DATA DROP, QUANTITY INDICATED, VIA (N) PATHWAY.
- PROVIDE (N) 1 EA. CAT6A DATA DROP AT (E) EXTERIOR AP. REWORK AND PROVIDE REQUIRED COMPONENTS PER DETAIL 12/T801, 13/T801.
- PROVIDE (N) 1 EA. CAT6A DATA DROP AT (E) CCTV CAMERA. CONFIRM VIEW WITH DISTRICT REPRESENTATIVE PRIOR TO PROJECT COMPLETION.
- PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. MOUNT (N) CAMERA ON WALL AT BUILDING CORNER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. MOUNT (N) CAMERA UNDER LEAVE AT BUILDING CORNER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- PROVIDE (N) 2 EA. CAT6A DATA DROP ABOVE T-BAR FOR WIRELESS AP. INSTALL OWNER-PROVIDED WIRELESS AP. SEE DETAIL 14/T800.
- PLACE NEW SPEAKER OVER EXISTING BACKBOX.
- PROVIDE (20) EA. 2U BLANK RACK PANEL, MIDDLE ATLANTIC EB2, AT TELECENTER RACK.



KMM SERVICES, INC
TECHNOLOGY & FIRE LIFE SAFETY

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Office: (916) 359-4000 www.kmm-services.com

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SHEET REVISIONS

DELTA	DESCRIPTION	DATE

SITE KEY PLAN

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN
TELECENTER UPGRADE
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
FLOOR PLAN -
MDF1.00 AND IDF1.01

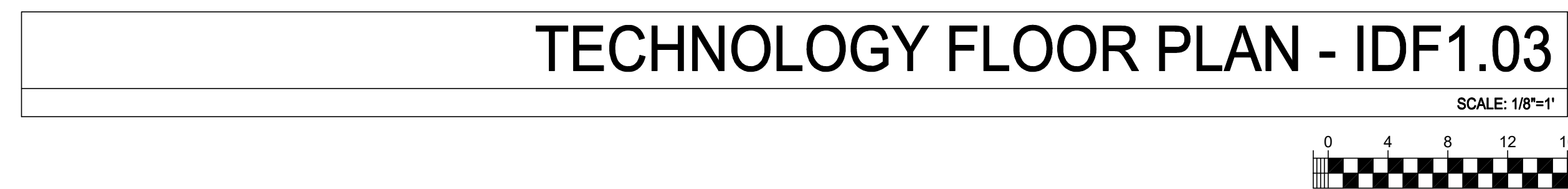
DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

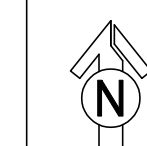
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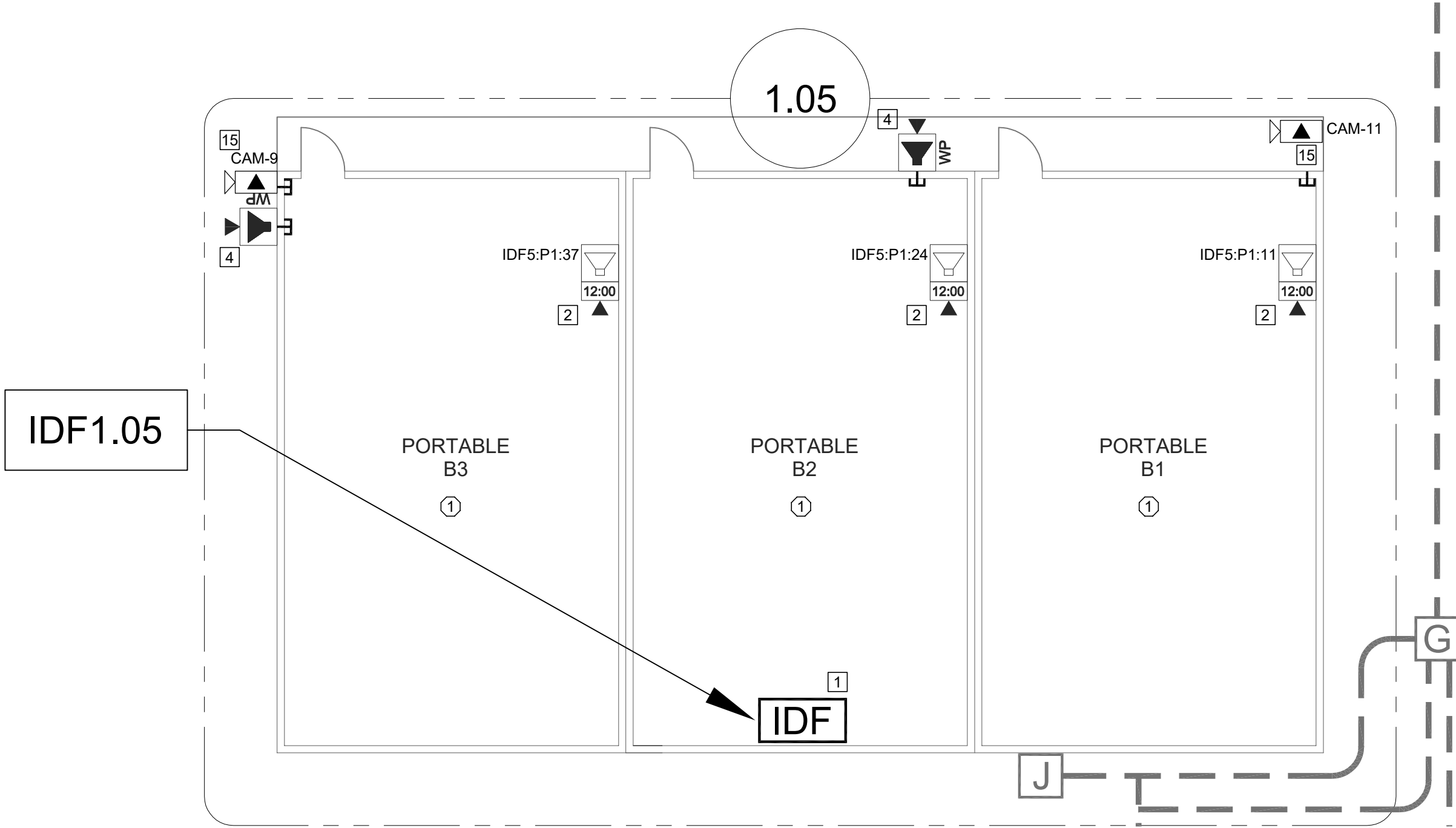
T200



SHEET NOTES:

- 1 REWORK MIDFIRE/ PER RACK ELEVATION. SEE T400/T401.
- 2 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 IN/OUT BEHIND COMBO BOX. FISH THROUGH WALL 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.
- 4 PROVIDE (N) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX. PROVIDE (N) INTERIOR Baffle. PROVIDE (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP AT INTERIOR ENCLOSURE.
- 5 PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP. FISH THROUGH WALL TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
- 6 REMOVE (E) CLOCK/SPEAKER COMBO Baffle. PROVIDE (N) RETROFIT Baffle WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. NOTCH CENTER DIVIDER OF (E) BACKBOX TO ACCOMMODATE CLOCK. LOCATE (E) DATA DROP IN ADJACENT SURFACE BOX INTO (E) BACKBOX BY FISHING FROM ACCESSIBLE CEILING. DEMO ABANDONED SURFACE BOX AND WIREMOLD TO CEILING.
- 7 REMOVE (E) CLOCK/SPEAKER COMBO Baffle. PROVIDE (N) RETROFIT Baffle WITH (N) SPEAKER, (N) CLASSROOM MODULE, AND (N) IP CLOCK. NOTCH CENTER DIVIDER OF (E) BACKBOX TO ACCOMMODATE CLOCK. LOCATE (E) DATA DROP ABOVE T-BAR AND REMOVE (E) BACKBOX VIA (E) CONDUIT SUB TO ACCESSIBLE CEILING.
- 8 PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- 9 PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. REMOVE (E) DATA DROP INTO (N) METAL WIREMOLD BOX (PIN VEST). PROVIDE (N) 1 EA. CAT6A DATA DROP. ROUTE VIA (E) CONDUIT SUB FROM BACKBOX TO ABOVE T-BAR.
- 10 REMOVE (E) SPEAKER FROM (E) Baffle. PROVIDE (N) SPEAKER AND (N) CLASSROOM IP MODULE. MOUNT (N) SPEAKER ON (E) Baffle. PROVIDE (N) 1 EA. CAT6A DATA DROP. ROUTE VIA (E) CONDUIT SUB FROM BACKBOX TO ABOVE T-BAR.
- 11 PROVIDE (N) CAT6A DATA DROP. QUANTITY INDICATED, VIA (N) PATHWAY.
- 12 PROVIDE (N) 1 EA. CAT6A DATA DROP AT (E) EXTERIOR AP. REWORK AND PROVIDE REQUIRED COMPONENTS PER DETAIL 127801.01B1.
- 13 PROVIDE (N) 1 EA. CAT6A DATA DROP AT (E) CCTV CAMERA. CONFIRM VIEW WITH DISTRICT REPRESENTATIVE PRIOR TO PROJECT COMPLETION.
- 14 PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. MOUNT (N) CAMERA ON WALL AT CORNER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- 15 PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. MOUNT (N) CAMERA UNDER EAVE AT BUILDING CORNER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- 16 PROVIDE (N) 2 EA. CAT6A DATA DROP ABOVE T-BAR FOR WIRELESS AP. INSTALL OWNER-PROVIDED WIRELESS AP. SEE DETAIL 1471800.
- 17 PLACE NEW SPEAKER OVER EXISTING BACKBOX.
- 18 PROVIDE (20) EA. 2U BLANK RACK PANEL, MIDDLE ATLANTIC E82, AT TELECOM RACK.

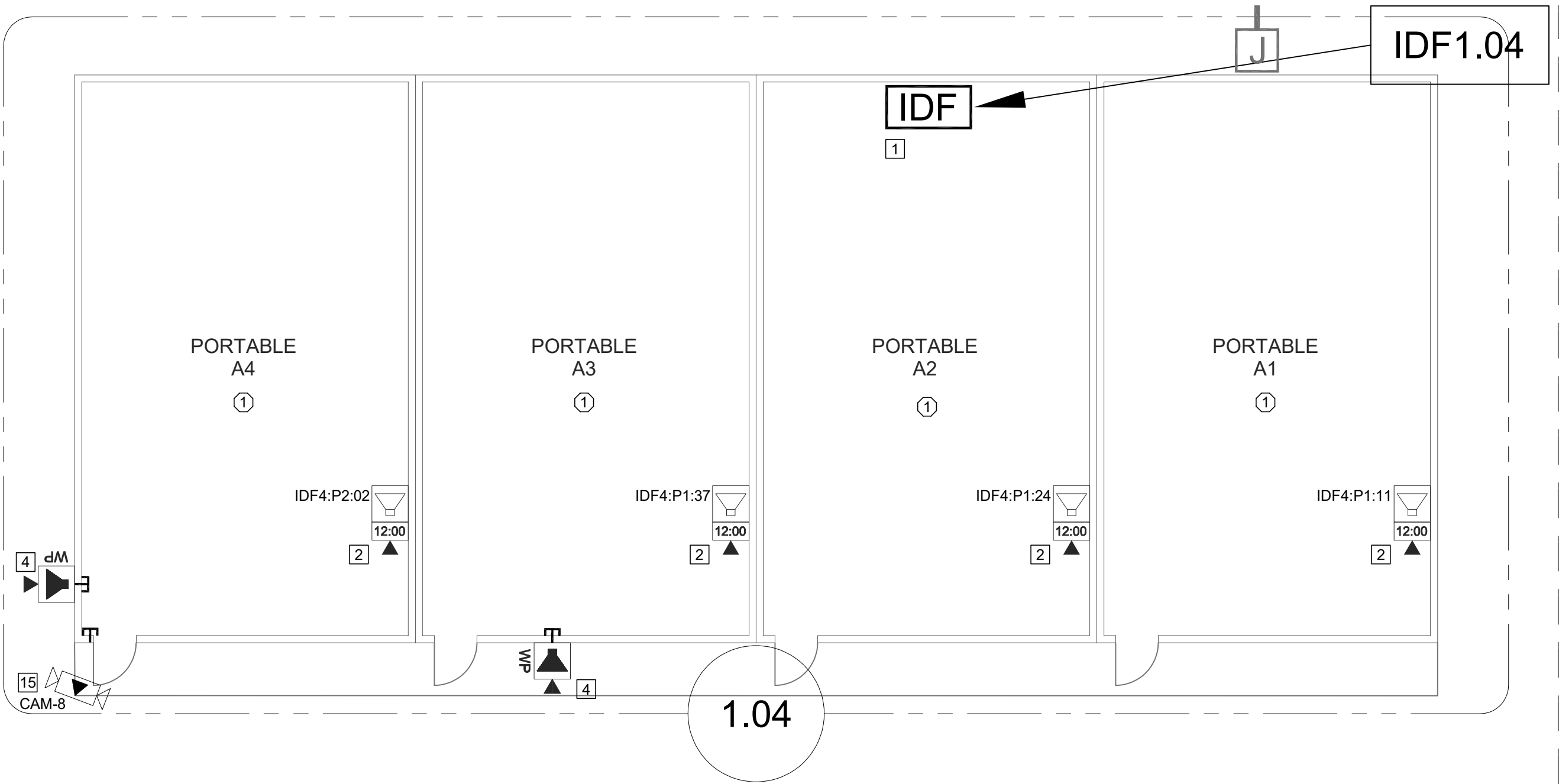




TECHNOLOGY FLOOR PLAN - IDF1.05

SCALE: 1/8"=1'

0 4 8 12 16



TECHNOLOGY FLOOR PLAN - IDF1.04

SCALE: 1/8"=1'

0 4 8 12 16

CEILING CONDITION CHART:

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

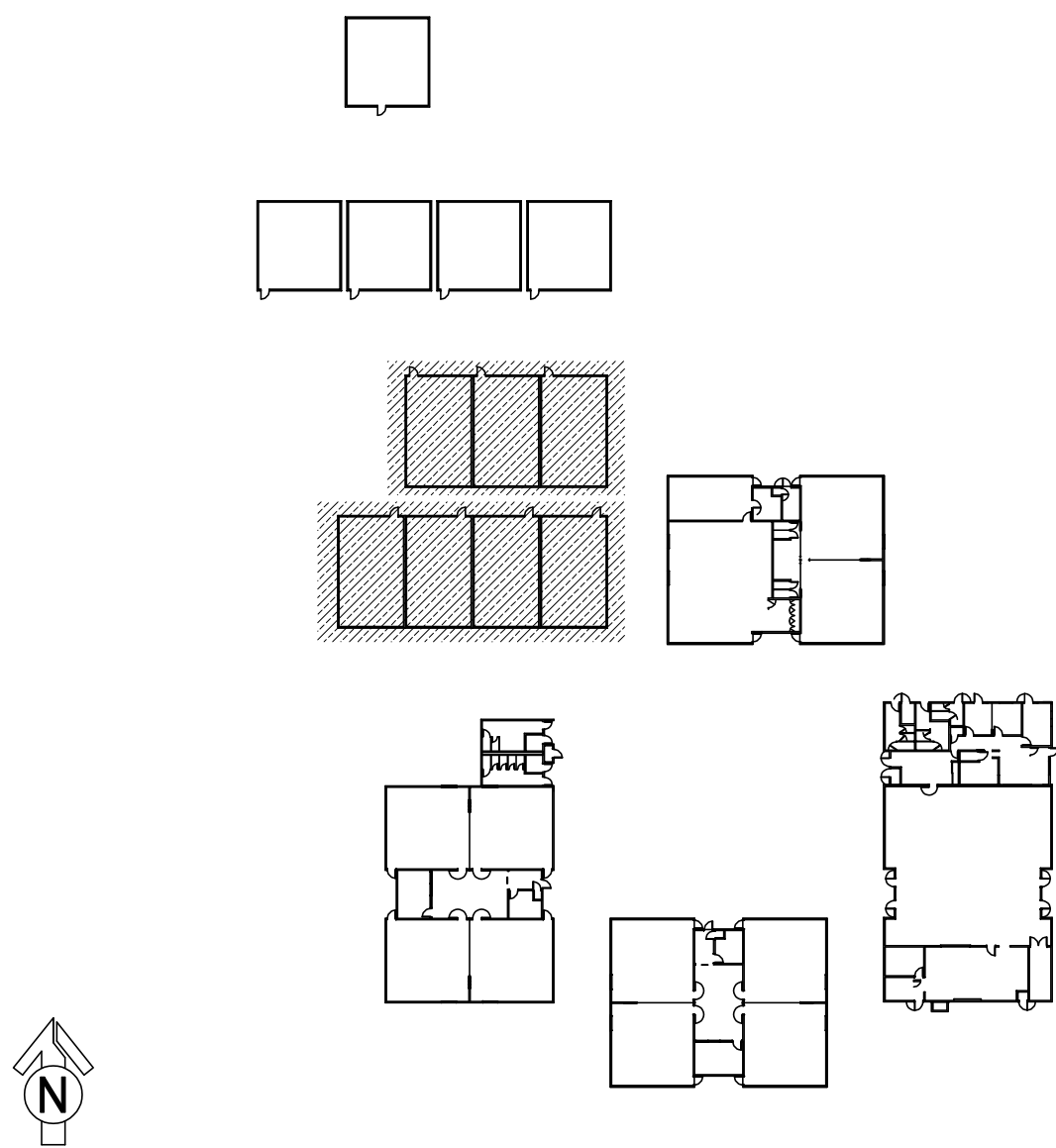
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SHEET NOTES:

- 1 REWORK MDF/IDF PER RACK ELEVATION. SEE T400/T401.
- 2 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.
- 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.
- 4 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.
- 5 PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP FISH THROUGH WALL TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
- 6 REMOVE (E) CLOCK/SPEAKER COMBO BAFFLE. PROVIDE (N) RETROFIT BAFFLE WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. NOTCH CENTER DIVIDER OF (E) BACKBOX TO ACCOMMODATE CLOCK. REWORK (E) DATA DROP IN ADJACENT SURFACE BOX INTO (E) BACKBOX BY FISHING FROM ACCESSIBLE CEILING. DEMO ABANDONED SURFACE BOX AND WIREMOLD TO CEILING.
- 7 REMOVE (E) CLOCK/SPEAKER COMBO BAFFLE. PROVIDE (N) RETROFIT BAFFLE WITH (N) SPEAKER, (N) CLASSROOM MODULE, AND (N) IP CLOCK. NOTCH CENTER DIVIDER OF (E) BACKBOX TO ACCOMMODATE CLOCK. LOCATE (E) DATA DROP ABOVE T-BAR AND REWORK INTO (E) BACKBOX VIA (E) CONDUIT STUB TO ACCESSIBLE CEILING.
- 8 PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- 9 PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. REWORK (E) DATA DROP INTO (N) METAL WIREMOLD BOX (P/N V5741). METAL BOX REQUIRED HERE FOR ADEQUATE STABILITY OF LARGE MESSAGE BOARD.
- 10 REMOVE (E) SPEAKER FROM (E) BAFFLE. PROVIDE (N) SPEAKER AND (N) CLASSROOM IP MODULE. MOUNT (N) SPEAKER ON (E) BAFFLE. PROVIDE (N) 1 EA. CAT6A DATA DROP. ROUTE VIA (E) CONDUIT STUB FROM BACKBOX TO ABOVE T-BAR.
- 11 PROVIDE (N) CAT6A DATA DROP, QUANTITY INDICATED, VIA (N) PATHWAY.
- 12 PROVIDE (N) 1 EA. CAT6A DATA DROP AT (E) EXTERIOR AP. REWORK AND PROVIDE REQUIRED COMPONENTS PER DETAIL 12/T801, 13/T801.
- 13 PROVIDE (N) 1 EA. CAT6A DATA DROP AT (E) CCTV CAMERA. CONFIRM VIEW WITH DISTRICT REPRESENTATIVE PRIOR TO PROJECT COMPLETION.
- 14 PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. MOUNT (N) CAMERA ON WALL AT BUILDING CORNER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- 15 PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. MOUNT (N) CAMERA UNDER EAVE AT BUILDING CORNER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
- 16 PROVIDE (N) 2 EA. CAT6A DATA DROP ABOVE T-BAR FOR WIRELESS AP. INSTALL OWNER-PROVIDED WIRELESS AP. SEE DETAIL 14/T800.
- 17 PLACE NEW SPEAKER OVER EXISTING BACKBOX.
- 18 PROVIDE (20) EA. 2U BLANK RACK PANEL, MIDDLE ATLANTIC EB2, AT TELECENTER RACK.

KEY PLAN



KMM SERVICES, INC
TECHNOLOGY & FIRE LIFE SAFETY

5433 El Camino Ave. Suite 5
Carmichael, CA 95608
Office: (916) 359-4000 www.kmm-services.com

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SHEET REVISIONS

DELTA	DESCRIPTION	DATE

SITE KEY PLAN

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN
TELECENTER UPGRADE
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

SHEET TITLE

TECHNOLOGY
FLOOR PLAN -
IDF1.04 AND 1.05

DRAWING STATUS

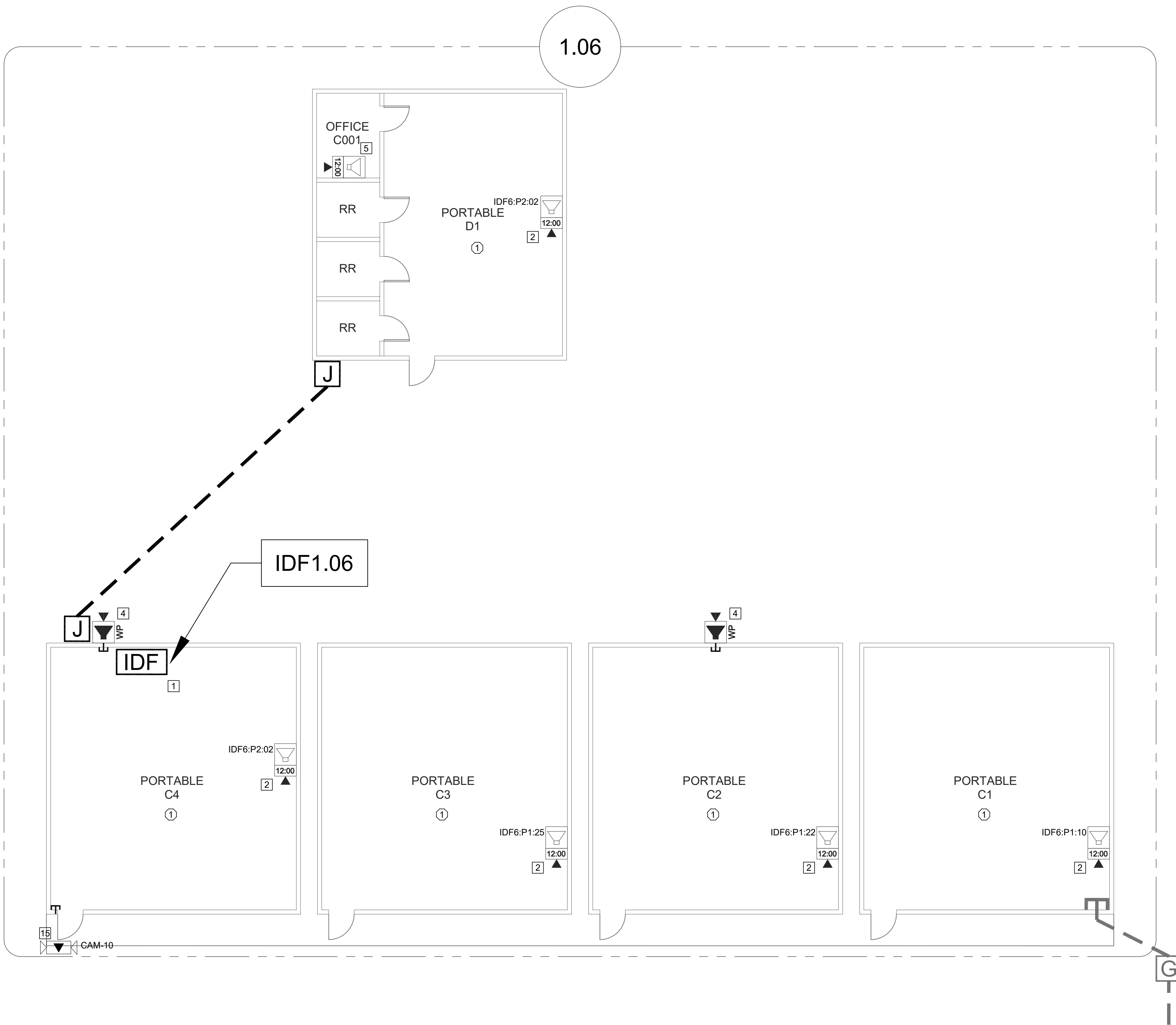
CONSTRUCTION DOCUMENTS

PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

SHEET

T202



TECHNOLOGY FLOOR PLAN - IDF1.06

SCALE: 1/8"=1'

0 4 8 12 16

CEILING CONDITION CHART:

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

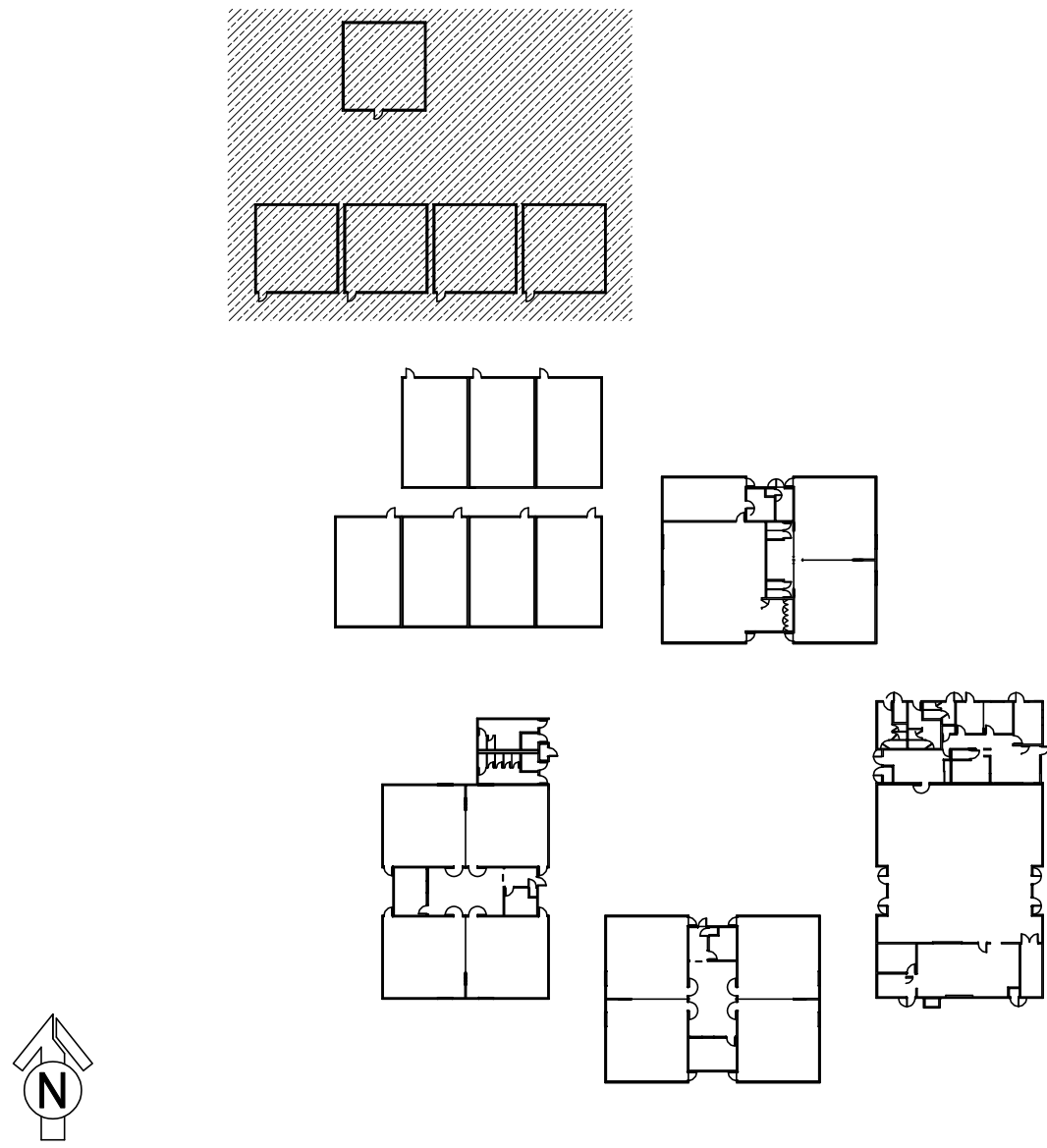
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3. CONTRACTOR SHALL TOUCH UP PAINT TO MATCH EXISTING CONDITIONS FOR ALL AREAS OF NEW INSTALL OR DEMOLITION.

SHEET NOTES:

- ① REWORK MDF/IDF PER RACK ELEVATION. SEE T400/T401.
② 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.
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.
④ 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.
⑤ PROVIDE (N) COMBO BOX WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. PROVIDE (N) 1 EA. CAT6A DATA DROP FISH THROUGH WALL TO (N) CUT-IN BOX BEHIND COMBO BACKBOX.
⑥ REMOVE (E) CLOCK/SPEAKER COMBO BAFFLE. PROVIDE (N) RETROFIT BAFFLE WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) IP CLOCK. NOTCH CENTER DIVIDER OF (E) BACKBOX TO ACCOMMODATE CLOCK. REWORK (E) DATA DROP IN ADJACENT SURFACE BOX INTO (E) BACKBOX BY FISHING FROM ACCESSIBLE CEILING. DEMO ABANDONED SURFACE BOX AND WIREMOLD TO CEILING.
⑦ REMOVE (E) CLOCK/SPEAKER COMBO BAFFLE. PROVIDE (N) RETROFIT BAFFLE WITH (N) SPEAKER, (N) CLASSROOM MODULE, AND (N) IP CLOCK. NOTCH CENTER DIVIDER OF (E) BACKBOX TO ACCOMMODATE CLOCK. LOCATE (E) DATA DROP ABOVE T-BAR AND REWORK INTO (E) BACKBOX VIA (E) CONDUIT STUB TO ACCESSIBLE CEILING.
⑧ PROVIDE (N) BACKBOX WITH (N) SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE (N) 1 EA. CAT6A DATA DROP.
⑨ PROVIDE (N) LARGE MESSAGE BOARD WITH PROTECTIVE COVER. REWORK (E) DATA DROP INTO (N) METAL WIREMOLD BOX (P/N V5741). METAL BOX REQUIRED HERE FOR ADEQUATE STABILITY OF LARGE MESSAGE BOARD.
⑩ REMOVE (E) SPEAKER FROM (E) BAFFLE. PROVIDE (N) SPEAKER AND (N) CLASSROOM IP MODULE. MOUNT (N) SPEAKER ON (E) BAFFLE. PROVIDE (N) 1 EA. CAT6A DATA DROP. ROUTE VIA (E) CONDUIT STUB FROM BACKBOX TO ABOVE T-BAR.
⑪ PROVIDE (N) CAT6A DATA DROP, QUANTITY INDICATED, VIA (N) PATHWAY.
⑫ PROVIDE (N) 1 EA. CAT6A DATA DROPT AT (E) EXTERIOR AP. REWORK AND PROVIDE REQUIRED COMPONENTS PER DETAIL 12/T801, 13/T801.
⑬ PROVIDE (N) 1 EA. CAT6A DATA DROP AT (E) CCTV CAMERA. CONFIRM VIEW WITH DISTRICT REPRESENTATIVE PRIOR TO PROJECT COMPLETION.
⑭ PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. MOUNT (N) CAMERA ON WALL AT BUILDING CORNER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
⑮ PROVIDE (N) EXTERIOR NETWORK SECURITY CAMERA. PROVIDE (N) BACK BOX AS REQUIRED. MOUNT (N) CAMERA UNDER EAVE AT BUILDING CORNER. PROVIDE (N) 1 EA. CAT6A DATA DROP.
⑯ PROVIDE (N) 2 EA. CAT6A DATA DROP ABOVE T-BAR FOR WIRELESS AP. INSTALL OWNER-PROVIDED WIRELESS AP. SEE DETAIL 14/T800.
⑰ PLACE NEW SPEAKER OVER EXISTING BACKBOX.
⑱ PROVIDE (20) EA. 2U BLANK RACK PANEL, MIDDLE ATLANTIC EB2, AT TELECENTER RACK.

KEY PLAN



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TECHNOLOGY & FIRE LIFE SAFETY

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DELTA	DESCRIPTION	DATE

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PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN
TELECENTER UPGRADE
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

SHEET TITLE

TECHNOLOGY
FLOOR PLAN -
IDF 1.06

DRAWING STATUS

CONSTRUCTION DOCUMENTS

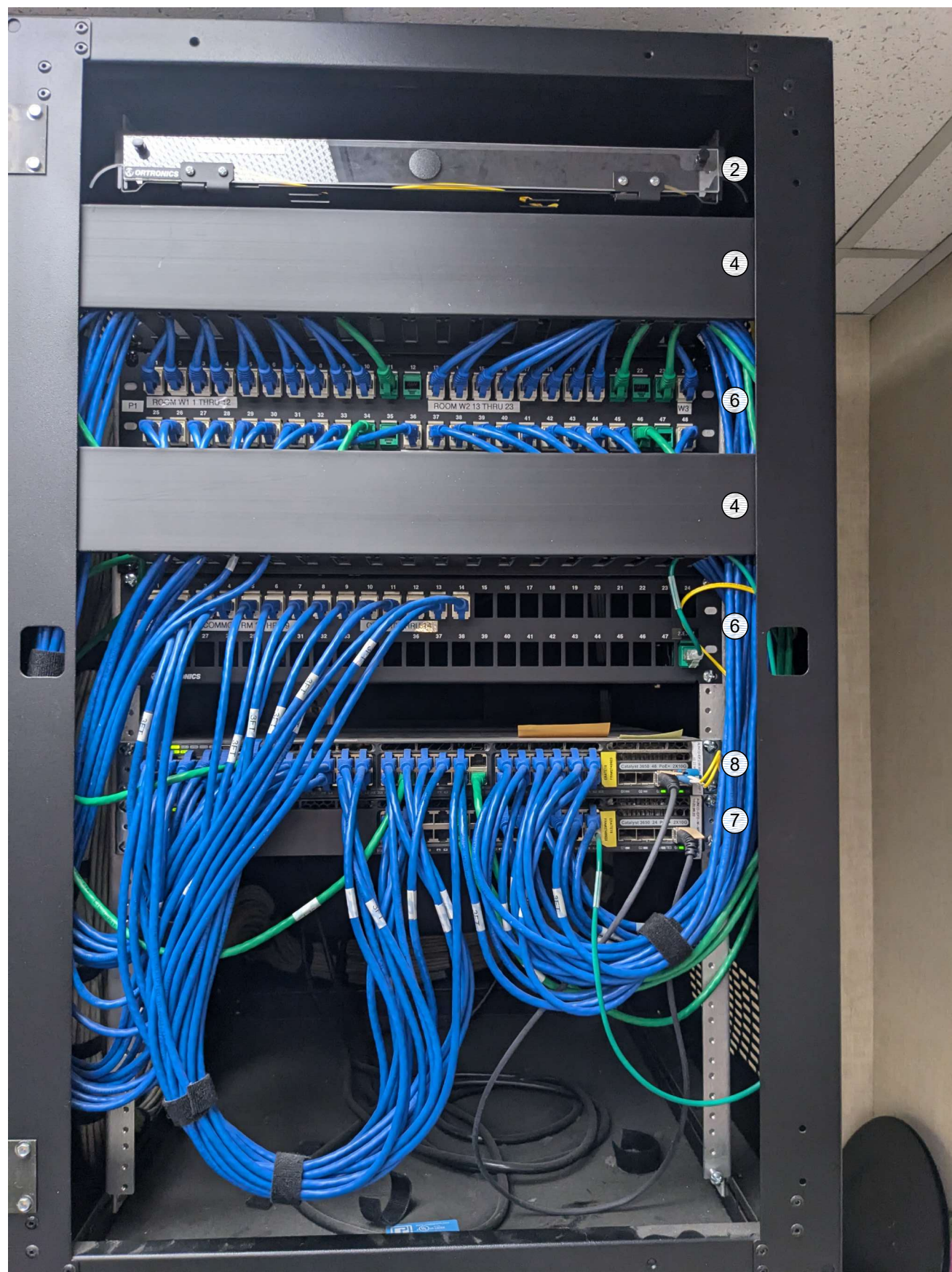
PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

SHEET

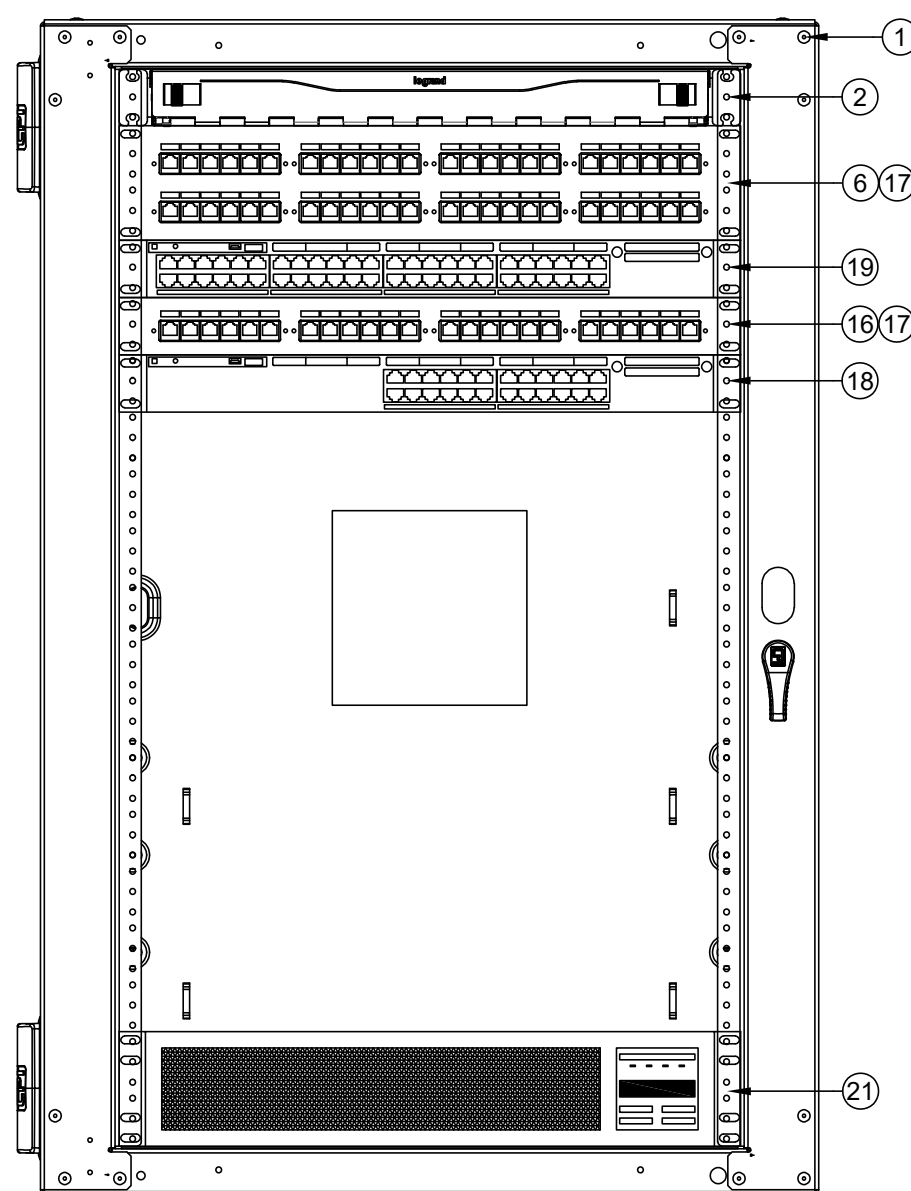
T203

1. PROVIDE (N) 24P PATCH PANEL PER THE ELEVATION. RELOCATE (14) KEYSTONES CURRENTLY IN (E) PATCH PANEL P2 INTO THIS (N) 24P PATCH PANEL. COPY LABELING FROM (E) PATCH PANEL.
2. PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY PER THE ELEVATION. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY THE UPS.



RACK - EXISTING CONDITION

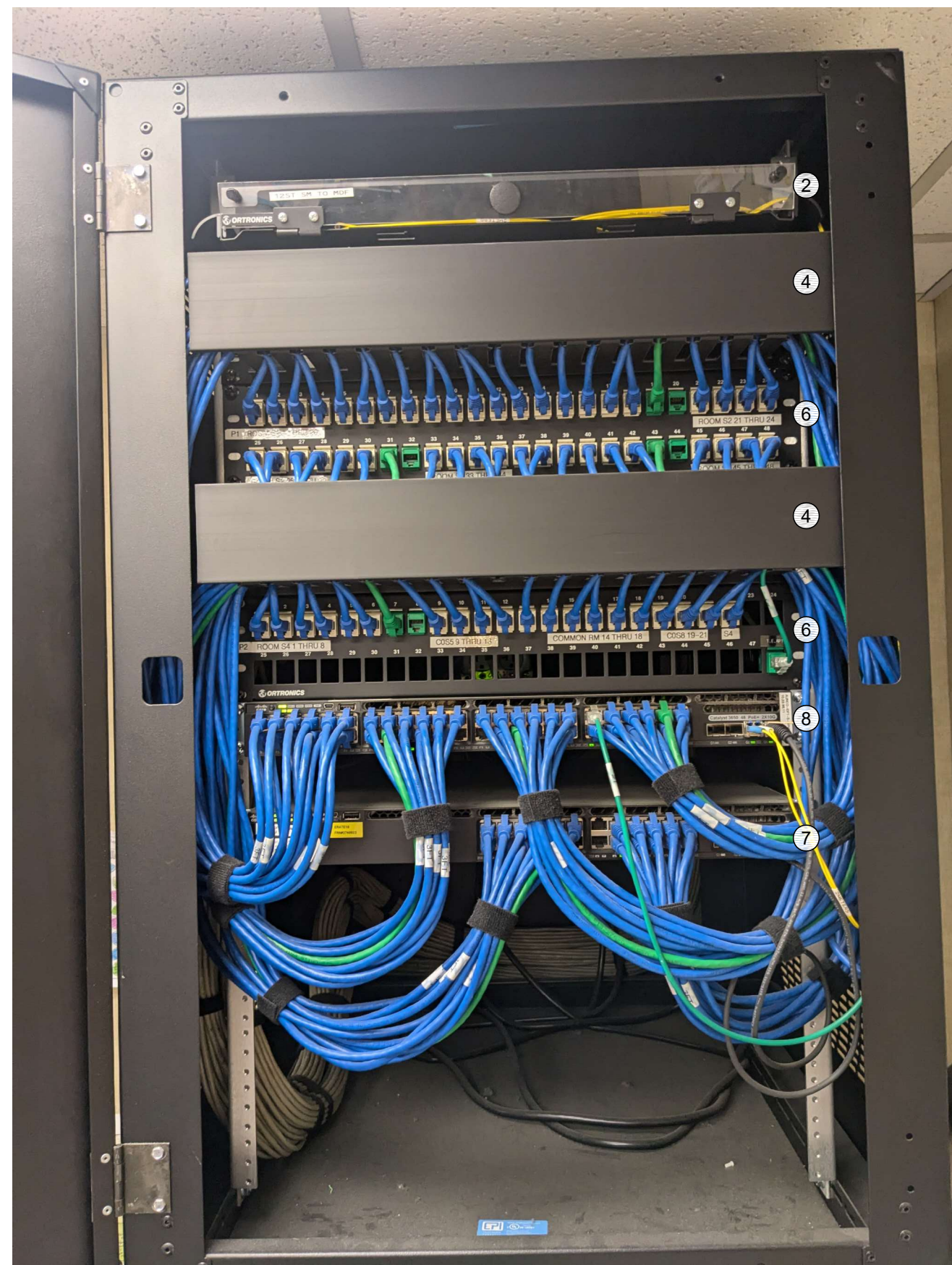
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RACK - FINAL LAYOUT

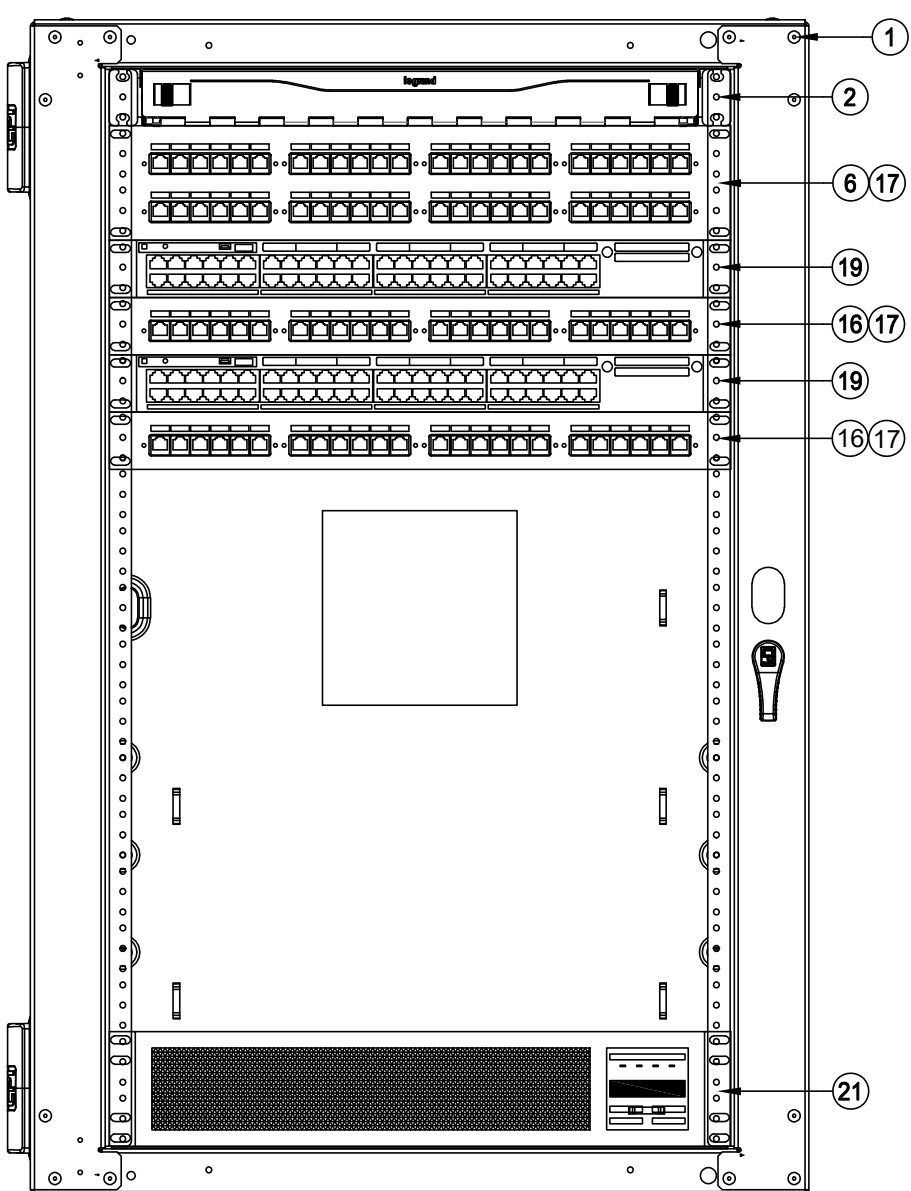
SCALE: NONE

1. PROVIDE (N) 24P PATCH PANEL PER THE ELEVATION. RELOCATE (23) KEYSTONES CURRENTLY IN (E) PATCH PANEL P2 INTO THIS (N) 24P PATCH PANEL. COPY LABELING FROM (E) PATCH PANEL.
2. PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY PER THE ELEVATION. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY THE UPS.



RACK - EXISTING CONDITION

SCALE: NONE

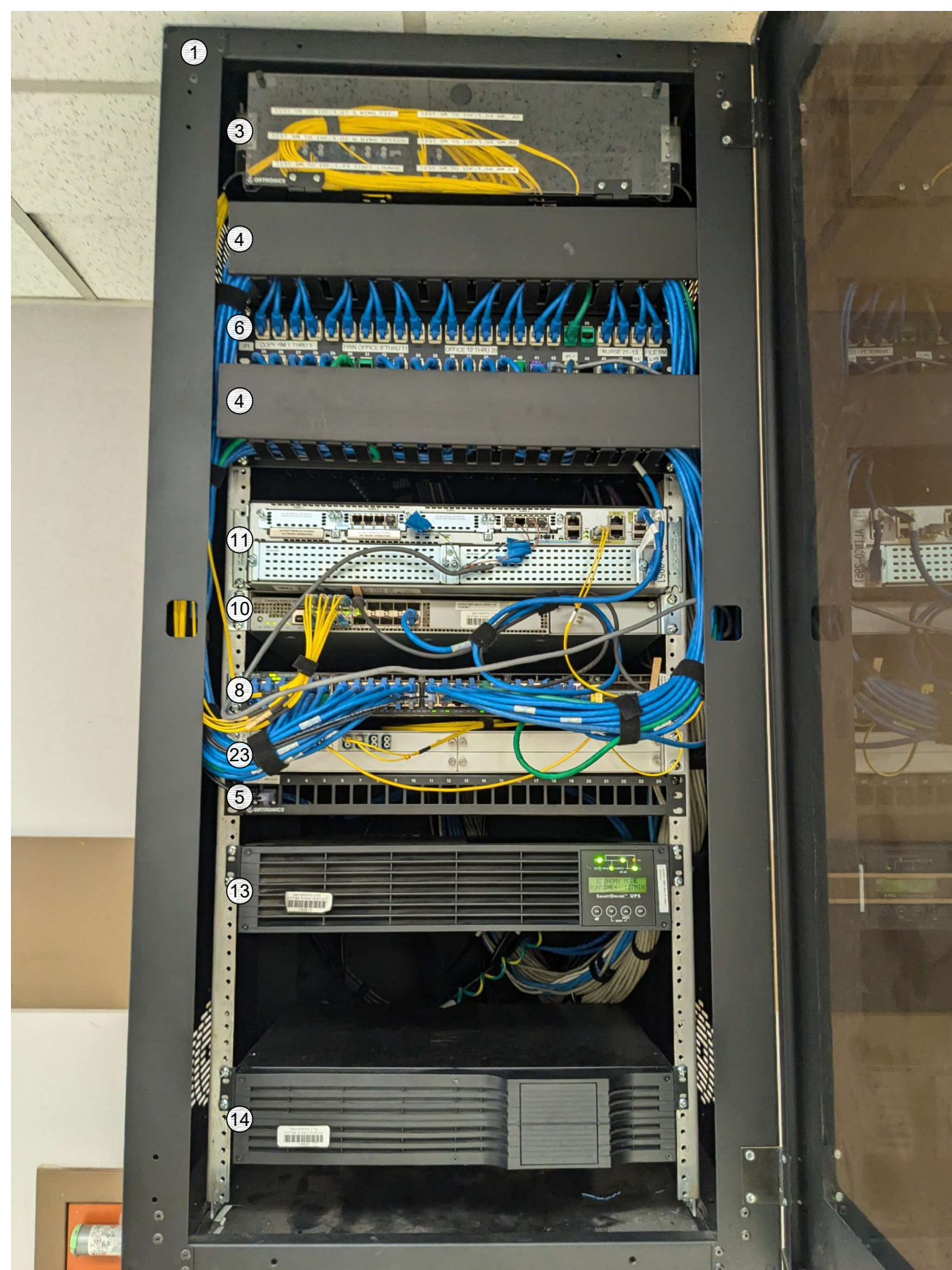


RACK - FINAL LAYOUT

SCALE: NONE

1. REMOVE ALL (E) RACK-MOUNTED CABLE MANAGER(S).
2. PROVIDE (N) REAR CABLE MANAGEMENT BAR(S) AT EACH PATCH-PANEL AND DRESS (E) CABLES FOR STRAIN RELIEF PER 11/7800.
3. RELOCATE (E) DEVICES PER THE ELEVATION.
4. INSTALL (N) OWNER-FURNISHED SWITCHES PER THE ELEVATION.
5. PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS. COLOR CODED TO DISTRICT STANDARD.

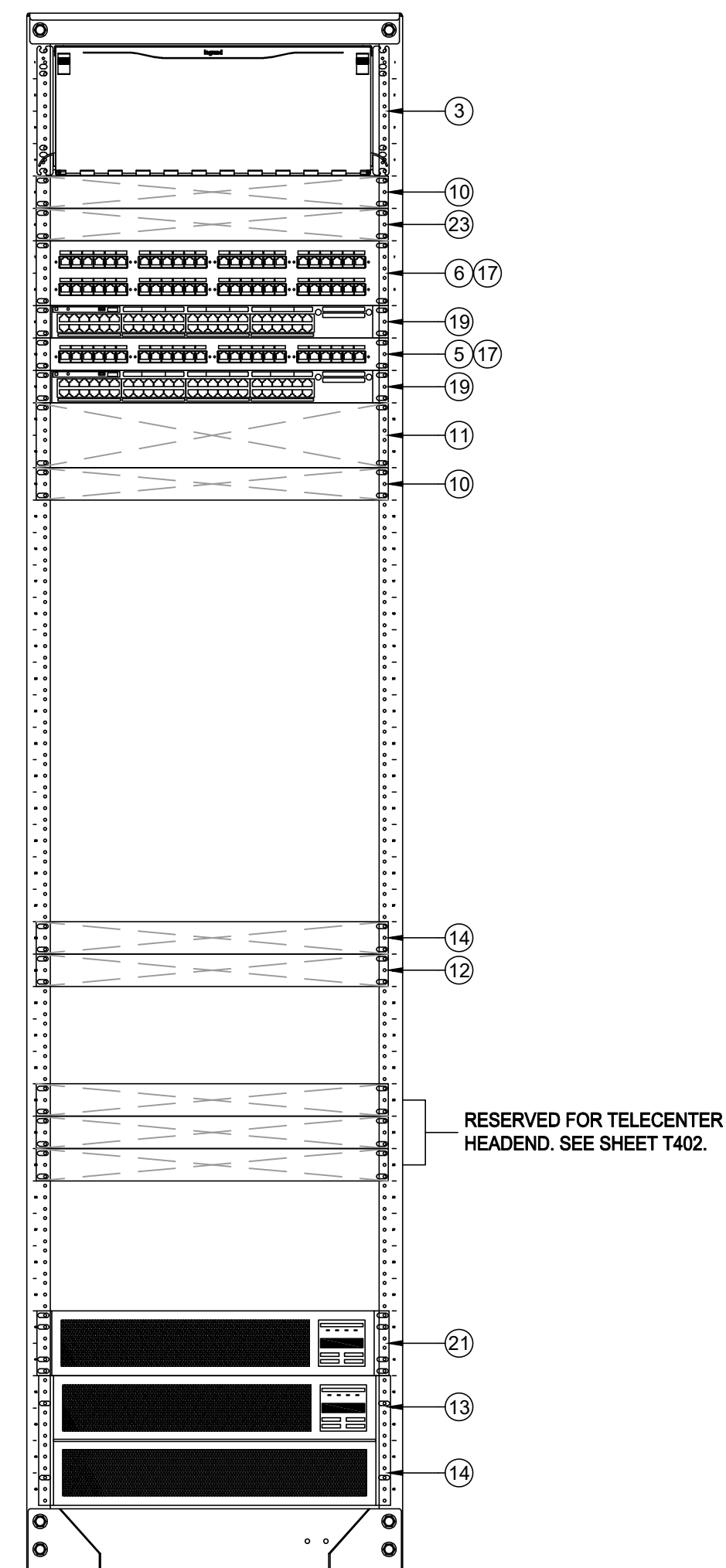
1. THE PROJECT INVOLVES A COMPLETE REPLACEMENT OF THE (E) MDF.
2. THE (E) MDF MUST BE PROTECTED AND KEPT OPERATIONAL UNTIL THE (N) MDF CAN BE BROUGHT ONLINE.
3. ANY DOWNTIME OR CUTOVERS MUST BE SCHEDULED IN ADVANCE AND APPROVED BY THE DISTRICT REPRESENTATIVE. CAREFUL COORDINATION WILL BE REQUIRED TO MINIMIZE DOWNTIME AND SO THAT NORMAL CAMPUS OPERATIONS WILL NOT BE AFFECTED.
4. PROVIDE A (N) MDF RACK ENCLOSURE AT LOCATION NOTED.
5. PROVIDE (2) RUNS OF WM5400 RACEWAYS BETWEEN THE RACK LOCATION AND THE ACCESSIBLE CEILING.
6. PROVIDE (2) EA. DEDICATED 20A CIRCUITS IN QUAD BOX ON REAR PAN OF ENCLOSURE, FED FROM ELEC PANEL "B".
7. SET RACK RAIL DEPTH SO THAT THE FRONT DOWR WILL BE ABLE TO CLOSE AND LATCH AFTER EQUIPMENT AND PATCH CABLES ARE INSTALLED.
8. PULL RACK, REINTERMATE, AND TEST (50) EA. (E) CAT6 DATA DROPS TO (N) MDF RACK.
9. PULL RACK, REINTERMATE, AND TEST (6) EA. 12-8T SM FIBERS TO (N) MDF RACK.
10. RELOCATE 1 EA. SM PATCH CABLE FROM COMCAST MPOE TO (N) MDF RACK.
11. PROVIDE ALL OTHER EQUIPMENT PER THE ELEVATION.



RACK - EXISTING CONDITION

SCALE: NONE

EQUIPMENT SCHEDULE:				
ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
SYMBOL	DESCRIPTION	MFG	PART NUMBER	NOTES / DETAIL REFERENCES
①	RACK CABINET	EXISTING	EXISTING	N/A
②	(E) 1U FIBER LIU	EXISTING	EXISTING	N/A
③	(E) 4U FIBER LIU	EXISTING	EXISTING	N/A
④	(E) 2U CABLE MANAGER	EXISTING	EXISTING	DEMO
⑤	(E) 1U 24P PATCH PANEL	EXISTING	EXISTING	RELOCATE PER ELEVATION
⑥	(E) 2U 48P PATCH PANEL	EXISTING	EXISTING	RELOCATE PER ELEVATION
⑦	(E) 24P SWITCH	EXISTING	EXISTING	DEMO
⑧	(E) 48P SWITCH	EXISTING	EXISTING	DEMO
⑨	(E) CCTV SWITCH AND PSU	EXISTING	EXISTING	DEMO
⑩	(E) CORE SWITCH	EXISTING	EXISTING	N/A
⑪	(E) VOIP GATEWAY	EXISTING	EXISTING	N/A
⑫	(E) NVR	EXISTING	EXISTING	N/A
⑬	(E) UPS	EXISTING	EXISTING	N/A
⑭	(E) UPS BATTERY	EXISTING	EXISTING	N/A
⑮	NOT USED	NOT USED	NOT USED	N/A
⑯	(N) 1U 24P PATCH PANEL	ORTRONICS	SPKSU24	N/A
⑰	(N) REAR CABLE MANAGEMENT BAR	ORTRONICS	OR-CMBFR0RU	N/A
⑱	(N) 24P SWITCH	CISCO	OFCl	N/A
⑲	(N) 48P SWITCH	CISCO	OFCl	N/A
㉔	(N) UPS - 1000VA	NIC	N1C.L1000	N/A
㉕	(N) UPS - 1500VA	NIC	N1C.L1500	N/A
㉖	(N) RACK CABINET (WALL SWING, 40U)	CHATSWORTH	13496-772	N/A
㉗	(E) CWM0 CHASSIS	EXISTING	EXISTING	N/A
㉘	(N) 1U RACK MOUNT MONITOR	TRIPP LITE	B021-000-19-HD2	N/A



RACK - FINAL LAYOUT

SCALE: NONE



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Services, Inc.

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Signature _____
 EXPIRES 12/31/2027
 Regis. No. 163629

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SHEET REVISIONS

[illegible]

SITE KEY PLAN

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN
TELECENTER UPGRADE
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

SHEET TITLE
TECHNOLOGY
RACK ELEVATIONS

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

SHEET T400

- SCOPE OF WORK - IDF 1.06
1. PROVIDE (N) 24P PATCH PANEL PER THE ELEVATION. RELOCATE (15) KEYSTONES CURRENTLY IN (E) PATCH PANEL P2 INTO THIS (N) 24P PATCH PANEL. COPY LABELING FROM (E) PATCH PANEL.
 2. PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY PER THE ELEVATION. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY THE UPS.

- SCOPE OF WORK - IDF 1.05
1. PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY PER THE ELEVATION. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY THE UPS.

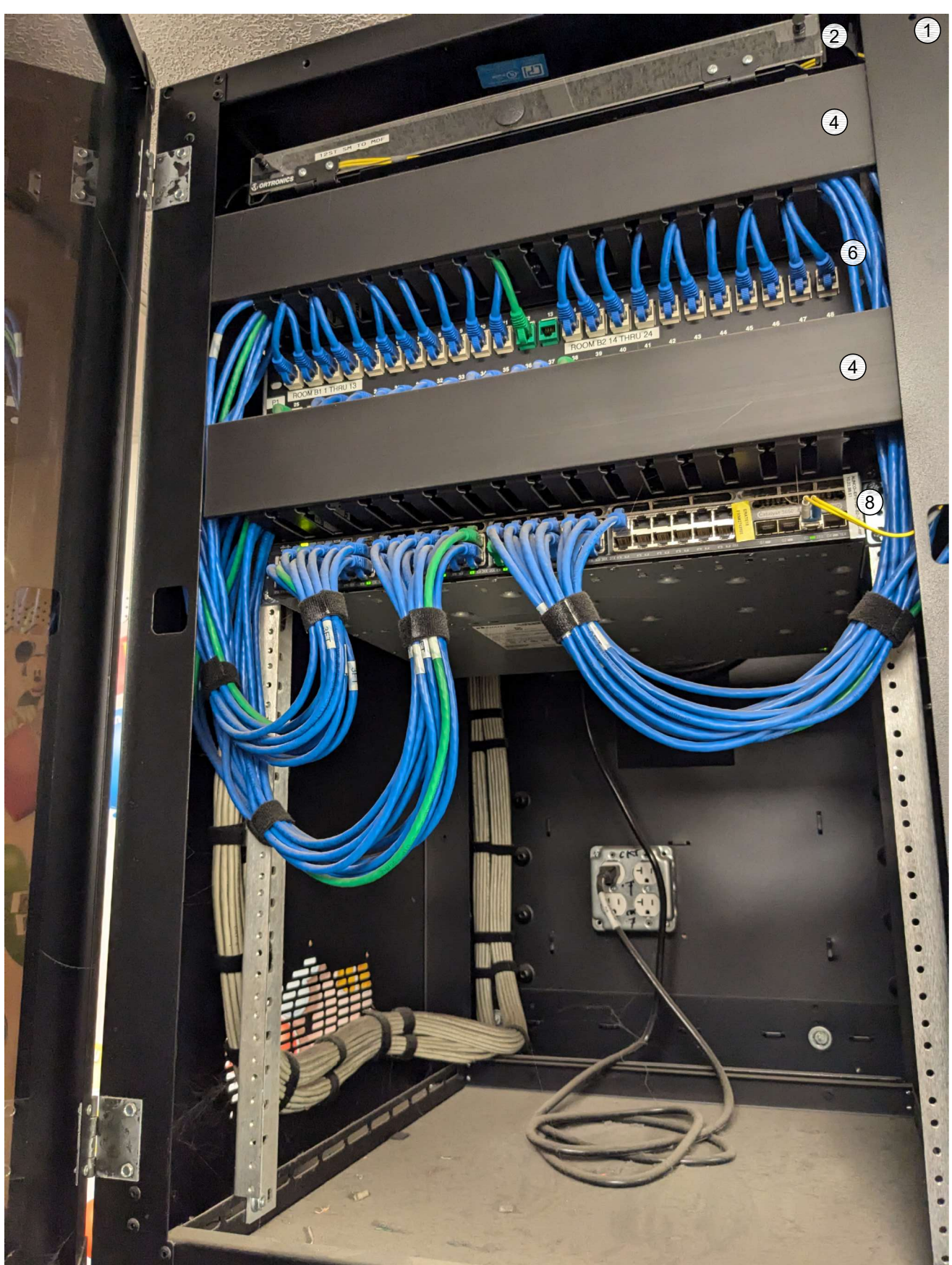
- SCOPE OF WORK - IDF 1.04
1. PROVIDE (N) 24P PATCH PANEL PER THE ELEVATION. RELOCATE (4) KEYSTONES CURRENTLY IN (E) PATCH PANEL P2 INTO THIS (N) 24P PATCH PANEL. COPY LABELING FROM (E) PATCH PANEL.
 2. PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY PER THE ELEVATION. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY THE UPS.

- SCOPE OF WORK - IDF 1.03
1. PROVIDE (N) 24P PATCH PANEL PER THE ELEVATION. RELOCATE (24) KEYSTONES CURRENTLY IN (E) PATCH PANEL P2 INTO THIS (N) 24P PATCH PANEL. COPY LABELING FROM (E) PATCH PANEL.
 2. PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY PER THE ELEVATION. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY THE UPS.



RACK - EXISTING CONDITION

SCALE: NONE



RACK - EXISTING CONDITION

SCALE: NONE



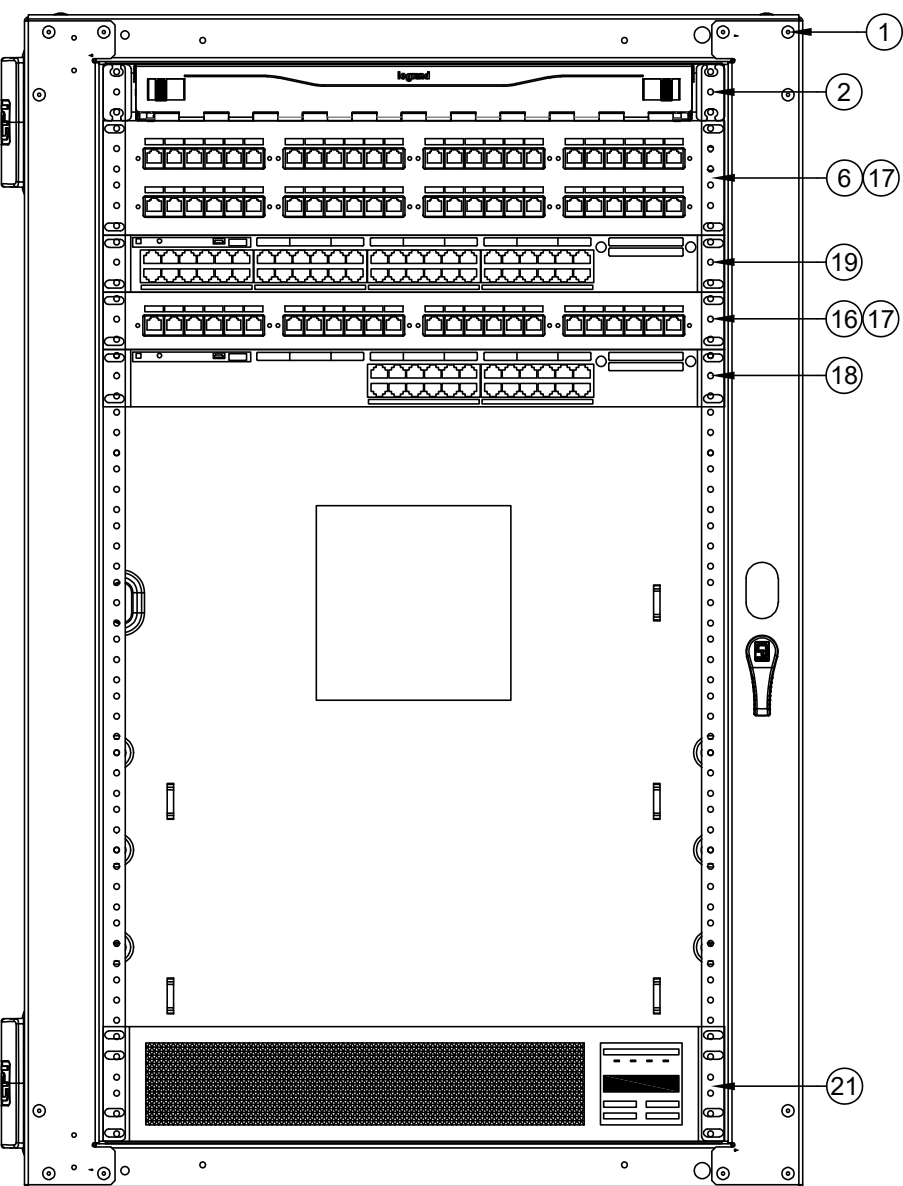
RACK - EXISTING CONDITION

SCALE: NONE



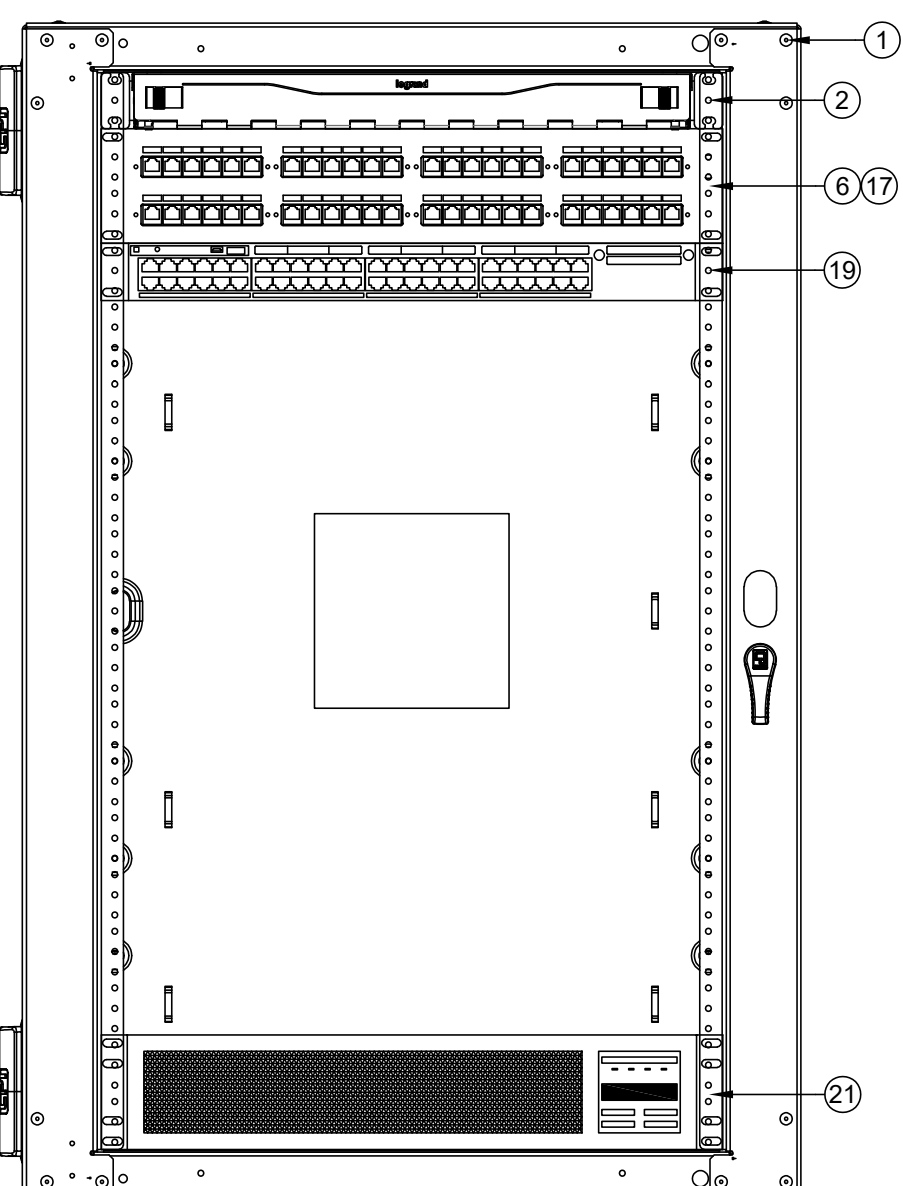
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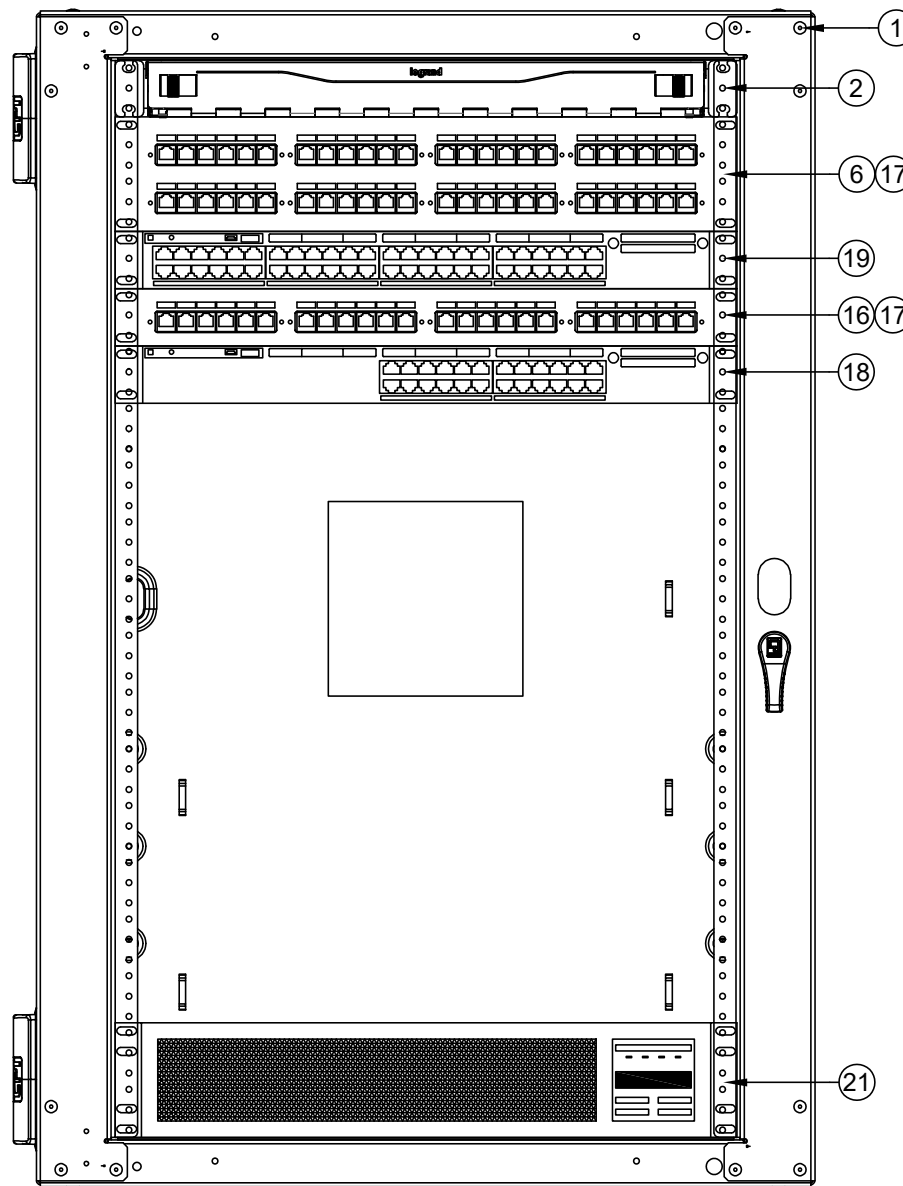
RACK - FINAL LAYOUT

SCALE: NONE



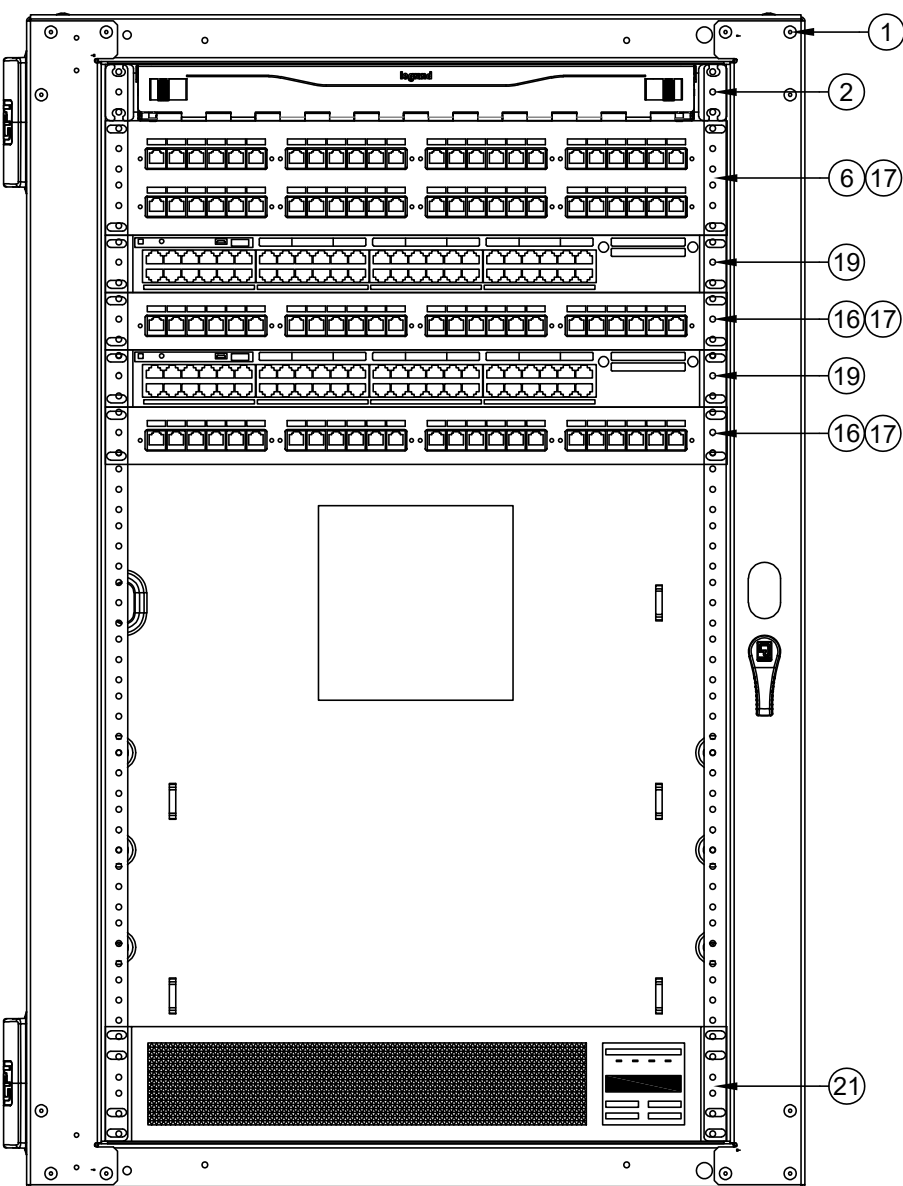
RACK - FINAL LAYOUT

SCALE: NONE



RACK - FINAL LAYOUT

SCALE: NONE



RACK - FINAL LAYOUT

SCALE: NONE

REFER TO SYMBOL LEGEND ON T400 FOR ALL DEVICES ON THIS SHEET



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SHEET REVISIONS

DELTA	DESCRIPTION	DATE

SITE KEY PLAN

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN
TELECENTER UPGRADE
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

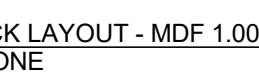
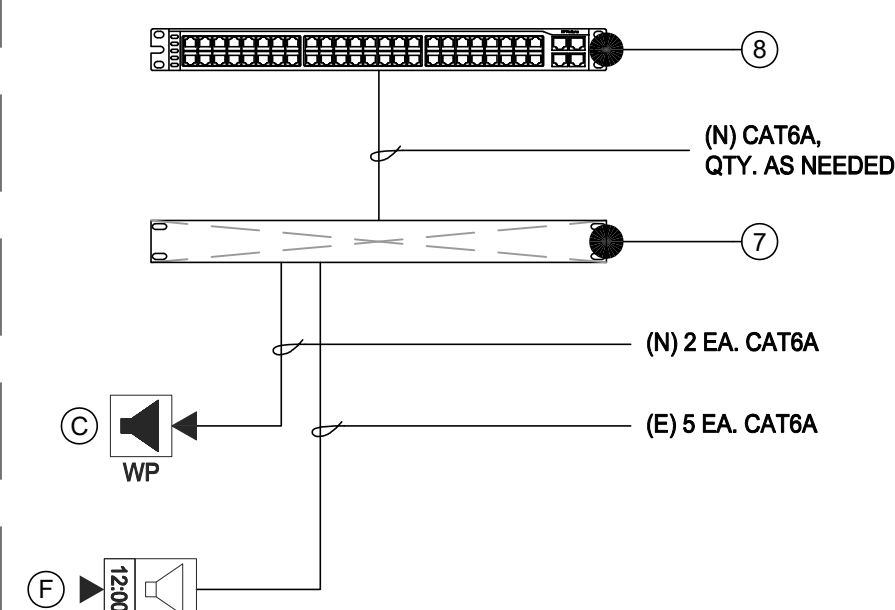
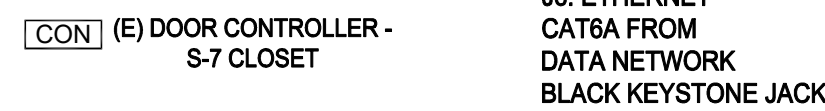
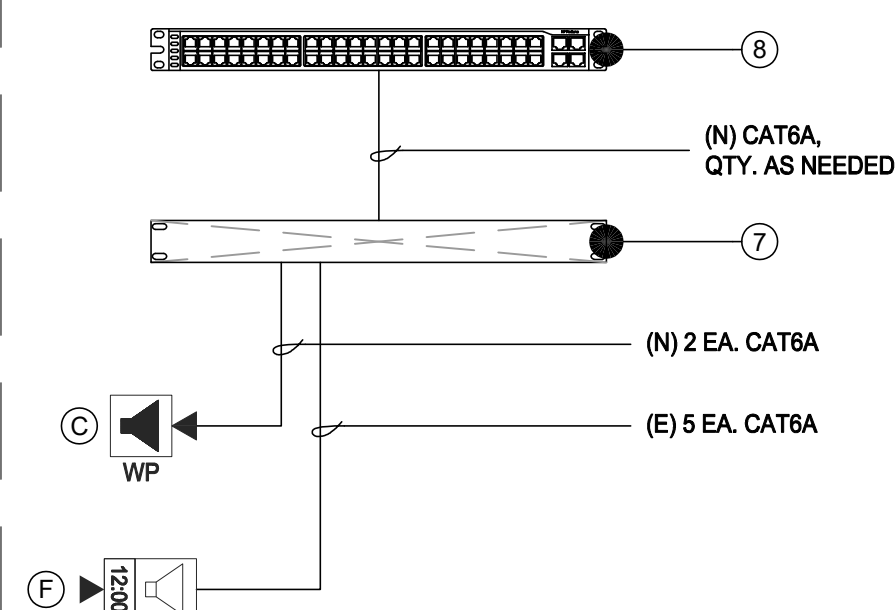
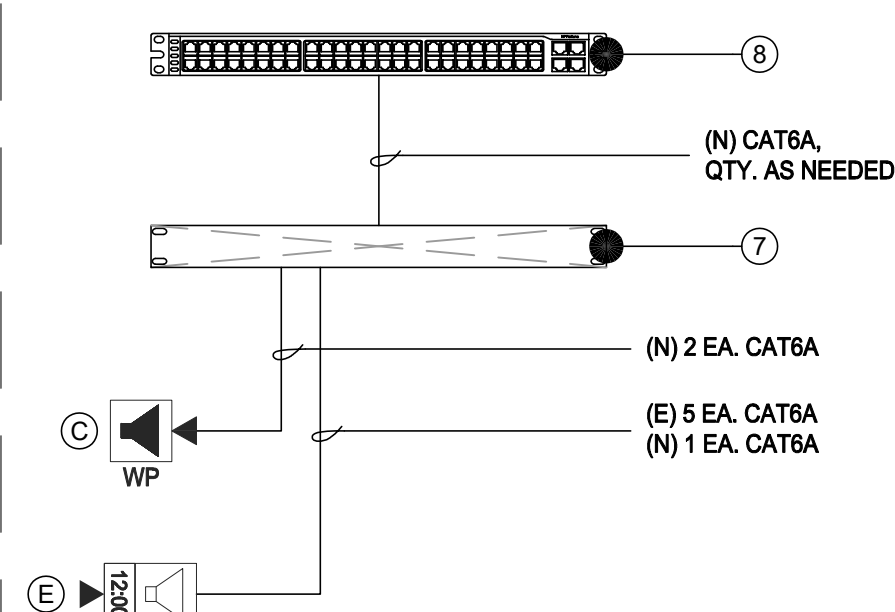
SHEET TITLE
TECHNOLOGY
RACK ELEVATIONS

DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

SHEET
T401

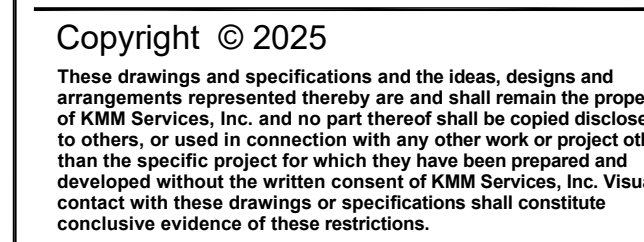


(A)	EQUIPMENT SCHEDULE INTERIOR RETROFIT SPEAKER:			
	ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)			
	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
	TELECENTER U IP CLASSROOM MODULE	RAULAND	TC2011B	MOUNT INSIDE ENCLOSURE
	8 OHM, 8" SPEAKER WITH RJ45 CONNECTOR	RAULAND	US0880	N/A

(E)	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)		
IVO PORTS	IN-1	IN-2	OUT-1	OUT-2
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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SITE KEY PLAN

SHEET TITLE

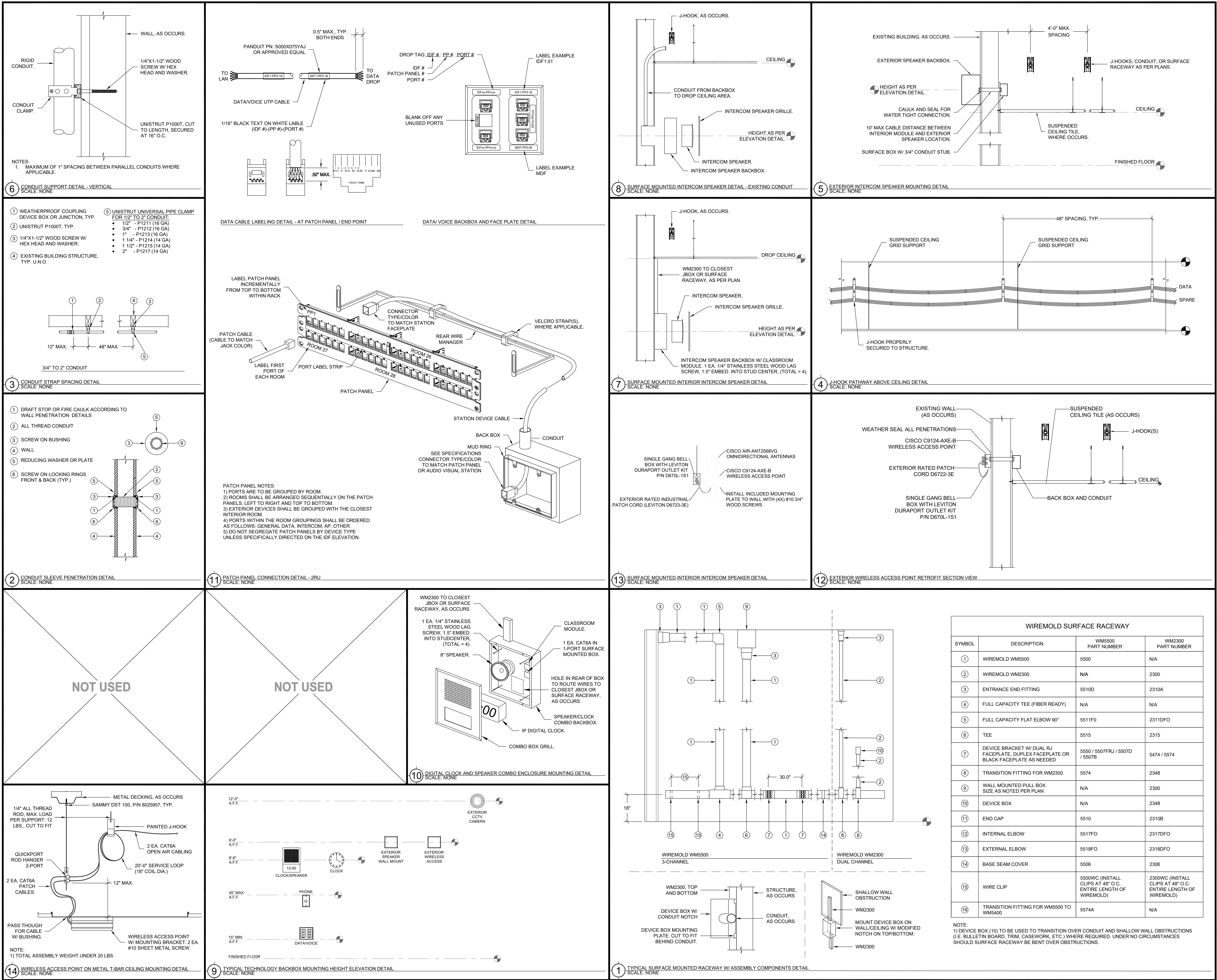
TECHNOLOGY
SINGLE LINE DIAGRAMS

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO:	
BID PACKAGE:	0097-41
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-1
WORKING DATE:	2025-06-1

Login Name: Jacob
Plot Date: June 16, 2025 - 10:37 am
Project: 2025-03-11 - Abraham Lincoln Telecenter_SDU(03)06-Design_ACAD\T800_Details.dwg
XREFS: WBS.dwg



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SHEET REVISIONS

DELTA	DESCRIPTION	DATE

SITE KEY PLAN

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN
TELECENTER UPGRADE
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

SHEET TITLE

TECHNOLOGY
DETAILS

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

SHEET

T800



CAM-5 INSTALL LOCATION

CAM-5 VIEW(S)



CAM-6 INSTALL LOCATION

CAM-6 VIEW(S)



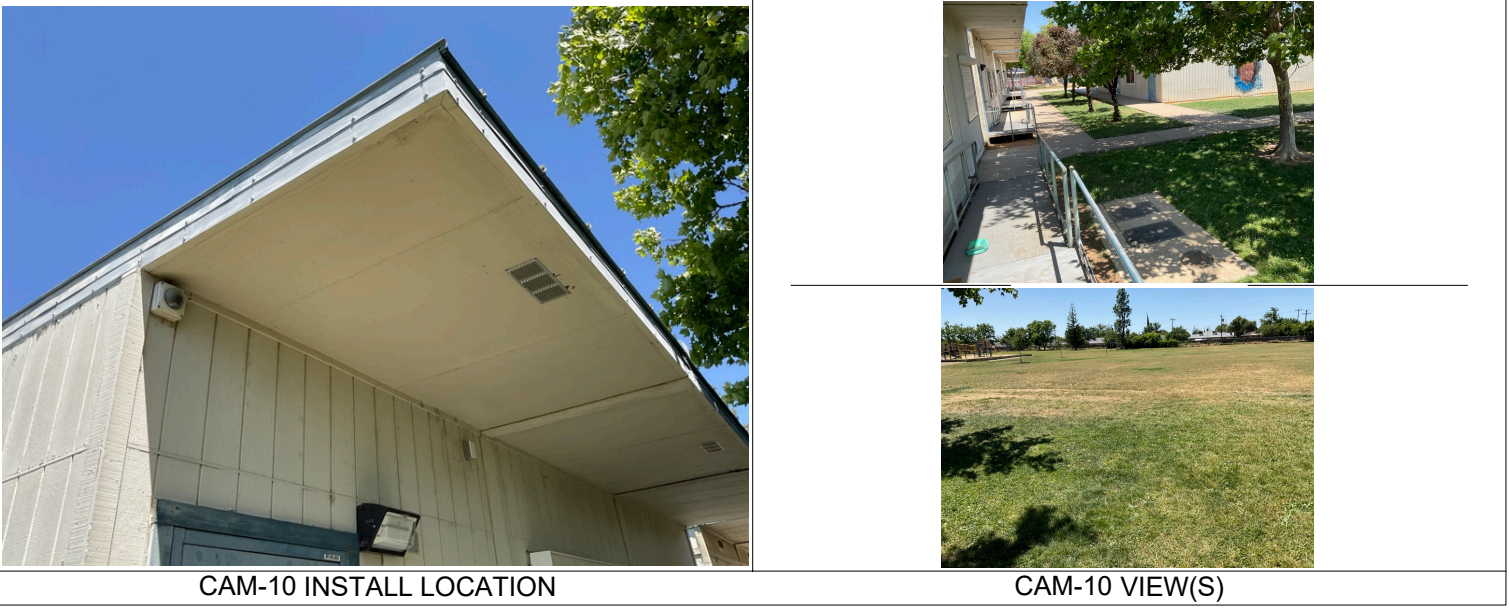
CAM-8 INSTALL LOCATION

CAM-8 VIEW(S)



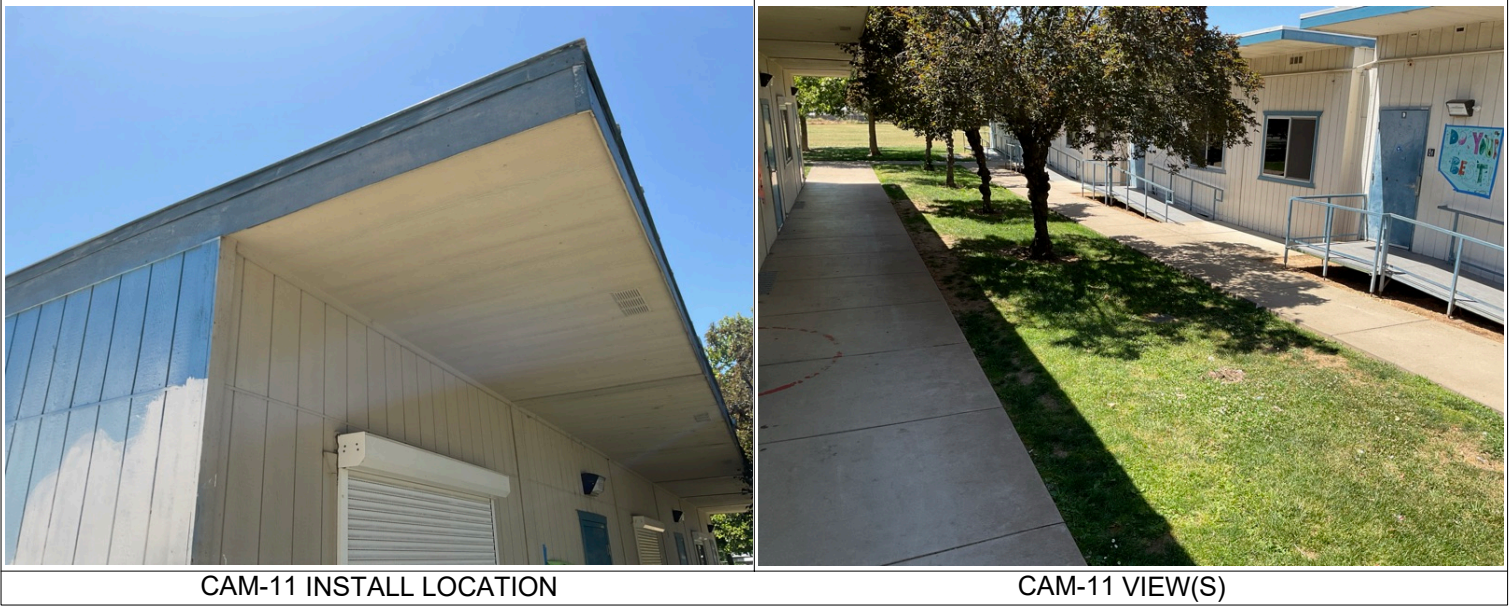
CAM-9 INSTALL LOCATION

CAM-9 VIEW(S)



CAM-10 INSTALL LOCATION

CAM-10 VIEW(S)



CAM-11 INSTALL LOCATION

CAM-11 VIEW(S)



CAM-16 INSTALL LOCATION

CAM-16 VIEW(S)



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SHEET REVISIONS

DELTA	DESCRIPTION	DATE

SITE KEY PLAN

PROJECT
SACRAMENTO CITY
UNIFIED SCHOOL DISTRICT
ABRAHAM LINCOLN
TELECENTER UPGRADE
3324 GLENMOOR DR.
SACRAMENTO, CA 95827

SHEET TITLE
CCTV PICTURES

DRAWING STATUS
CONSTRUCTION DOCUMENTS

PROJECT NO:	-
BID PACKAGE:	0097-411
DESIGNED BY:	CS
CHECKED BY:	SD
ISSUE DATE:	2025-03-11
WORKING DATE:	2025-06-16

REVISION

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T900