	ABBREVIATIONS:
A AFF GANN AP BFF BICSIG C CAT C C C C C C C C C C C C C C C C C	AMPERE ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ANNUNCIATOR ACCESS POINT BELOW FINISHED FLOOR BELOW FINISHED FLOOR BELOW FINISHED FLOOR BUILDING INDUSTRY CONSTRUCTION SERVICE INTERNATION BUILDING CONDUIT CABINET CATEGORY CABLE TELEVISION CANDELA CONTRACTOR FURNISHED/CONTRACTOR INSTALLED CENTER LINE CARBON MONOXIDE DOWN EXISTING ELECTRICAL METALLIC TUBING END OF LINE FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FIRE TERMINAL CABINET GALVANIZED RIGID CONDUIT GROUND BOX INTRUSION ALARM CONTROL PANEL INTERMEDIATE DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME INTERMEDIATE METAL CONDUIT JUNCTION BOX MECHANICAL / ELECTRICAL / PLUMBING MAIN DISTRIBUTION FRAME MINIMUM PONT OF ENTRY NEW NATIONAL FIRE PROTECTION ASSOCIATION NOT TO SCALE NOT APPLICABLE OWNER FURNISHED EQUIPMENT OWNER FURNISHED/CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT OWNER FURNISHED/CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT OWNER FU

SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER	NOTES / DETAIL REFERENCES
	(E) SURFACE MOUNTED CONDUIT	N/A	N/A	N/A
	(E) UNDERGROUND CONDUIT	N/A	N/A	N/A
2300	(N) MEDIUM CAPACITY SURFACE MOUNTED CABLE RACEWAY	WIREMOLD	WM2300	GREY = EXISTING
JJ	(N) J-HOOK PATHWAY	COMMERCIAL GENERIC	N/A	GREY = EXISTING
E	(N) CONDUIT STUB	COMMERCIAL GENERIC	N/A	GREY = EXISTING
MDF / IDF	(E) DATA RACK	N/A	SEE SHEET T400	N/A
G	(E) GROUND BOX	N/A	N/A	N/A
J	(E) JUNCTION BOX	N/A	N/A	N/A
③ ⊢ / ③	(E) SURFACE MOUNTED 4-SQUARE JUNCTION BOX, WALL / CEILING	N/A	N/A	N/A
P	(E) ELECTRICAL OUTLET	N/A	N/A	N/A
MPOE	(E) MINIMAL POINT OF ENTRY	EXISTING	EXISTING	N/A
KP	(E) INTRUSION KEYPAD	EXISTING	EXISTING	N/A
TEL	(E) ADMIN. PHONE HANDSET	EXISTING	EXISTING	N/A
EXT	(E) CCTV CAMERA	EXISTING	EXISTING	N/A
	(E) EXTERIOR INTERCOM SPEAKER	EXISTING	EXISTING	N/A
	(N) CAT6A DATA DROP LOCATION - IP CLOCK	RAULAND & SAPLING	SEE SHEET T400	16" = 16" CLOCK
DC 🖂	(N) CAT6A DATA DROP LOCATION - DROP CEILING INTERCOM SPKR/IP MOD	RAULAND	SEE SHEET T400	N/A
12:00	(N) CAT6A DATA DROP LOCATION (QTY = 1) - IP CLOCK/SPEAKER/IP MODULE COMBO BOX	RAULAND	SEE SHEET T400	GREY = EXISTING
	(N) CAT6A DATA DROP LOCATION - WALL MOUNTED SPEAKER/IP MODULE	RAULAND	SEE SHEET T400	"CM" = CEILING MOUNTED
	(N) CAT6A DATA DROP LOCATION - EXTERIOR INTERCOM SPEAKER/IP MODULE	RAULAND & LOWELL	SEE SHEET T400	N/A
MSG	(N) CAT6A DATA DROP LOCATION - LARGE MESSAGE BOARD	RAULAND	SEE SHEET T400	N/A

CONTRACTOR FURNISHED DOCUMENTS:

- (SHOP DRAWINGS / PRODUCT SUBMITTALS / QUALIFICATIONS)
- 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.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE, OPERABLE, AND FULLY FUNCTIONING SYSTEM.

TECHNOLOGY GENERAL PROJECT NOTES:

- 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 REDLINES 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.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/DESIGNER PRIOR TO INSTALLATION.
- 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.
- 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.
- 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".
- 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.
- 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.
- PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE ALL PROJECT AS-BUILT DRAWINGS AND MANUALS PER
- 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.

SPECIFICATIONS.

11. THE TERM "PROVIDE" SHALL MEAN TO FURNISH, INSTALL AND MAKE FULLY OPERATIONAL.

SCOPE OF WORK:

- THE CONTRACTOR SHALL PROVIDE ALL CLOCK, BELL AND INTERCOM EQUIPMENT, LICENSES, SOFTWARE AND ACCESSORIES FOR COMPLETE AND FULLY OPERATIONAL SYSTEMS.
- THE CONTRACTOR SHALL PROVIDE ALL DATA NETWORK EQUIPMENT. LICENSES, SOFTWARE AND ACCESSORIES FOR COMPLETE AND FULLY OPERATIONAL DATA NETWORK SYSTEM.
- THE CONTRACTOR SHALL REMOVE OLD OR ABANDONED CLOCK, BELL AND INTERCOM COMPONENTS (INCLUDING WIRE AND PATHWAY) AND PLATE OVER ANY OPENINGS.
- THE CONTRACTOR SHALL TOUCH UP PAINT TO MATCH EXISTING CONDITIONS FOR NEW LOCATIONS FOR INSTALL OR AREAS OF DEMOLITION.
- THE CONTRACTOR SHALL COORDINATE CUTOVERS AND ACTIVATION/COMMISSIONING OF NEW SYSTEM WITH DISTRICT REPRESENTATIVE AND DISTRICT STAFF.

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, 2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART
- 2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE, NATIONAL
- FIRE PROTECTION ASSOCIATION

ANCHORAGE AND BRACING NOTES: APPLICABLE CODE: 2019 CBC REVISED: 02/14/2020

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 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 THRU 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS. 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. 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. 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 SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTIONS 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5.13.6.6. 13.6.7, 13.6.8 AND 2019 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26

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

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

 $\mathsf{MP} \; \square \; \mathsf{MD} \; \square \; \mathsf{PP} \; \square \; \mathsf{E} \; \not \boxtimes \qquad \mathsf{OPTION} \; 1$: DETAILED ON THE APPROVED

DRAWINGS WITH PROJECT SPECIFIC NOTES AND MP | MD | PP | E | OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #)

SHEET INDEX:

HEET	DESCRIPTION
000	TECHNOLOGY COVER SHEET
050	TECHNOLOGY DEMO SITE PLAN
100 100	TECHNOLOGY SITE PLAN TECHNOLOGY SITE PLAN - EXTERIOR INTERCOM SPEAKERS
200	TECHNOLOGY FLOOR PLANS - MDF AND IDF 01 - FIRST AND SECOND FLOORS
201	TECHNOLOGY FLOOR PLANS - IDF 02 - SECOND FLOOR
202	TECHNOLOGY FLOOR PLANS - IDF 03 AND 04 - SECOND FLOOR
203	TECHNOLOGY FLOOR PLANS - IDF 05
204	TECHNOLOGY FLOOR PLANS - IDF 06
205	TECHNOLOGY FLOOR PLANS - IDF 07 AND 08
206	TECHNOLOGY FLOOR PLANS - IDF 09
207	TECHNOLOGY FLOOR PLANS - IDF 10 AND 12 - FIRST
	AND SECOND FLOORS
208	TECHNOLOGY FLOOR PLANS - IDF 13 AND 14 - FIRST
	AND SECOND FLOORS
209	TECHNOLOGY FLOOR PLANS - IDF 17 AND CONCESSION 1 AND 2
210	TECHNOLOGY FLOOR PLANS - PARTIAL IDF 18
211	TECHNOLOGY FLOOR PLANS - PARTIAL IDF 18
212	TECHNOLOGY FLOOR PLANS - IDF 19 - THEATER
213	TECHNOLOGY FLOOR PLANS - IDF 19 - CAFETERIA
214	TECHNOLOGY FLOOR PLANS - IDF 20 AND 21
215	TECHNOLOGY FLOOR PLANS - IDF 22
216	TECHNOLOGY FLOOR PLANS - IDF 23, 24, 25 AND 26
400	TECHNOLOGY SINGLE LINE DIAGRAM
401	TECHNOLOGY SINGLE LINE DIAGRAM
402	TECHNOLOGY SINGLE LINE DIAGRAM
403	TECHNOLOGY SINGLE LINE DIAGRAM

TECHNOLOGY DETAILS TECHNOLOGY DETAILS



KMM SERVICES, INC TECHNOLOGY&FIRE LIFE SAFETY

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DELTA	DESCRIPTION	DATE

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER **UPGRADE PROJECT** 6879 14TH AVE.

SHEET TITLE

SACRAMENTO, CA. 95820

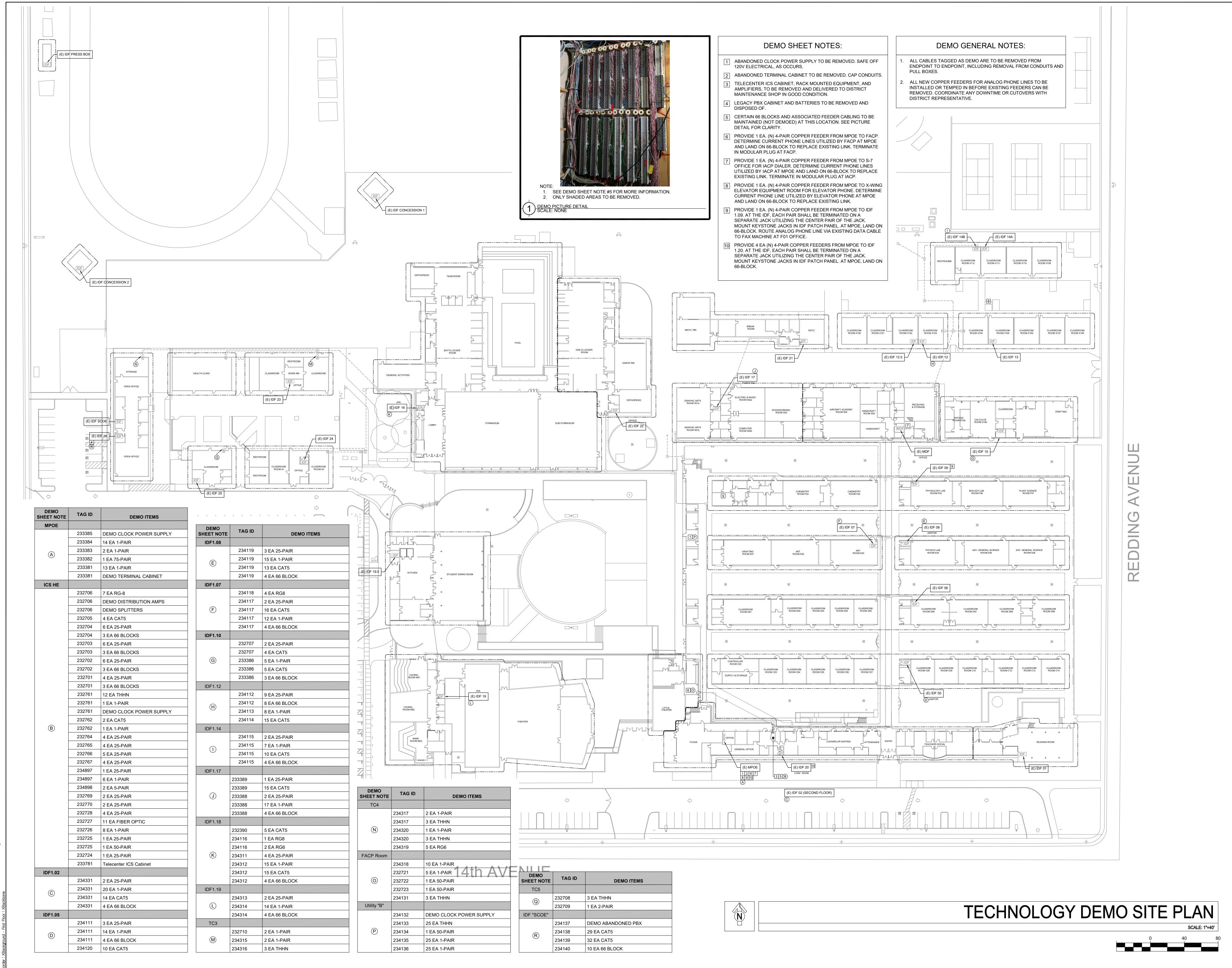
TECHNOLOGY COVER SHEET

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO:	0520-464
BID PACKAGE:	TBD
DESIGNED BY:	CS
CHECKED BY:	JG
ISSUE DATE:	2023-05-31
WORKING DATE:	2023-05-25

REVISION



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DESCRIPTION

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER **UPGRADE PROJECT** 6879 14TH AVE. SACRAMENTO, CA. 95820

SHEET TITLE

TECHNOLOGY DEMO SITE PLAN

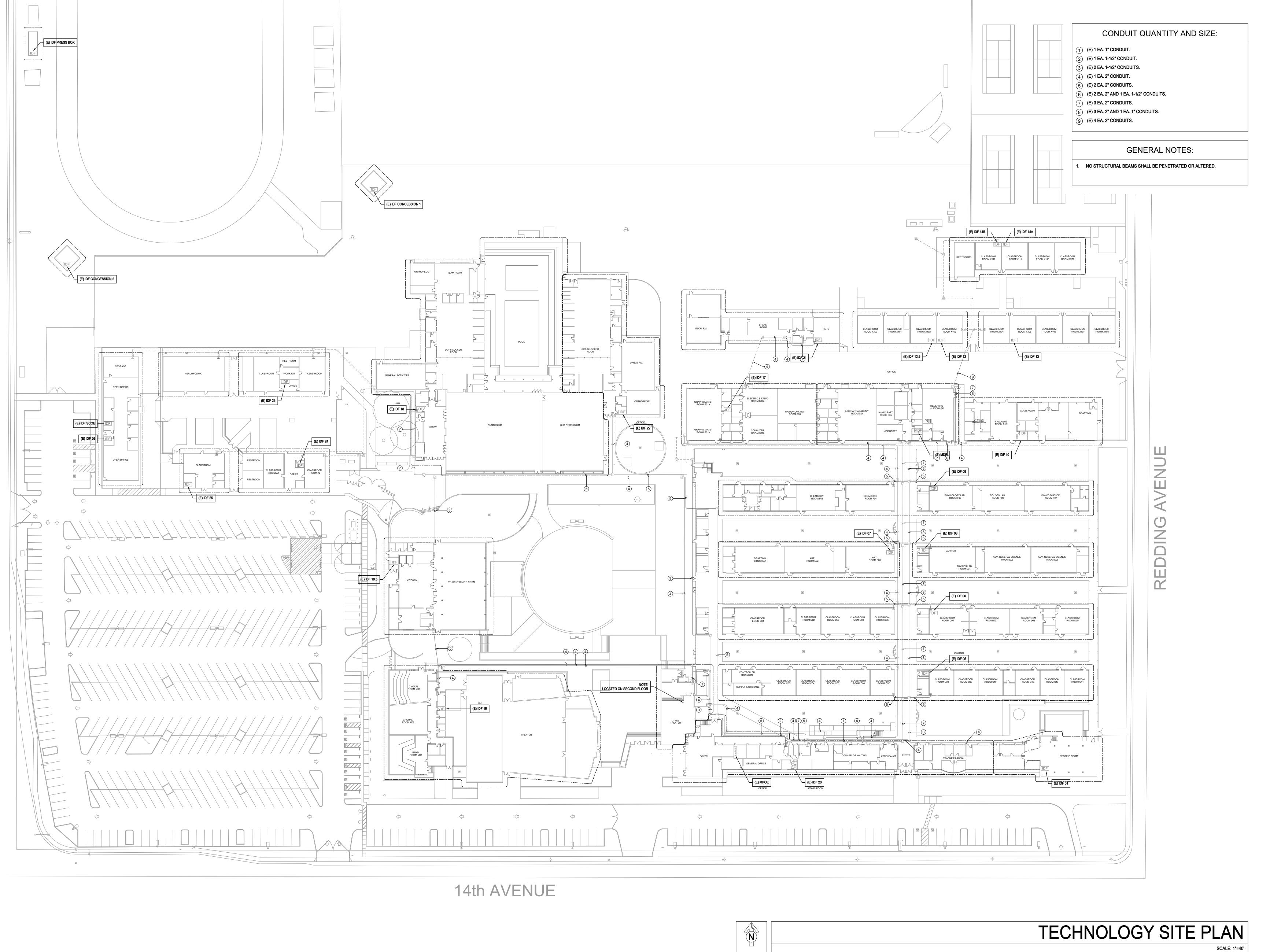
DRAWING STATUS

CONSTRUCTION DOCUMENTS

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BID PACKAGE:	TBD
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REVISION



Services, Inc.

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SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER UPGRADE PROJECT 6879 14TH AVE. SACRAMENTO, CA. 95820

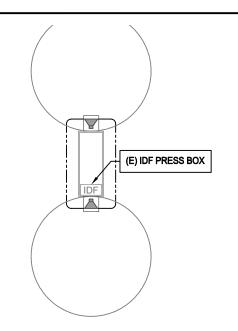
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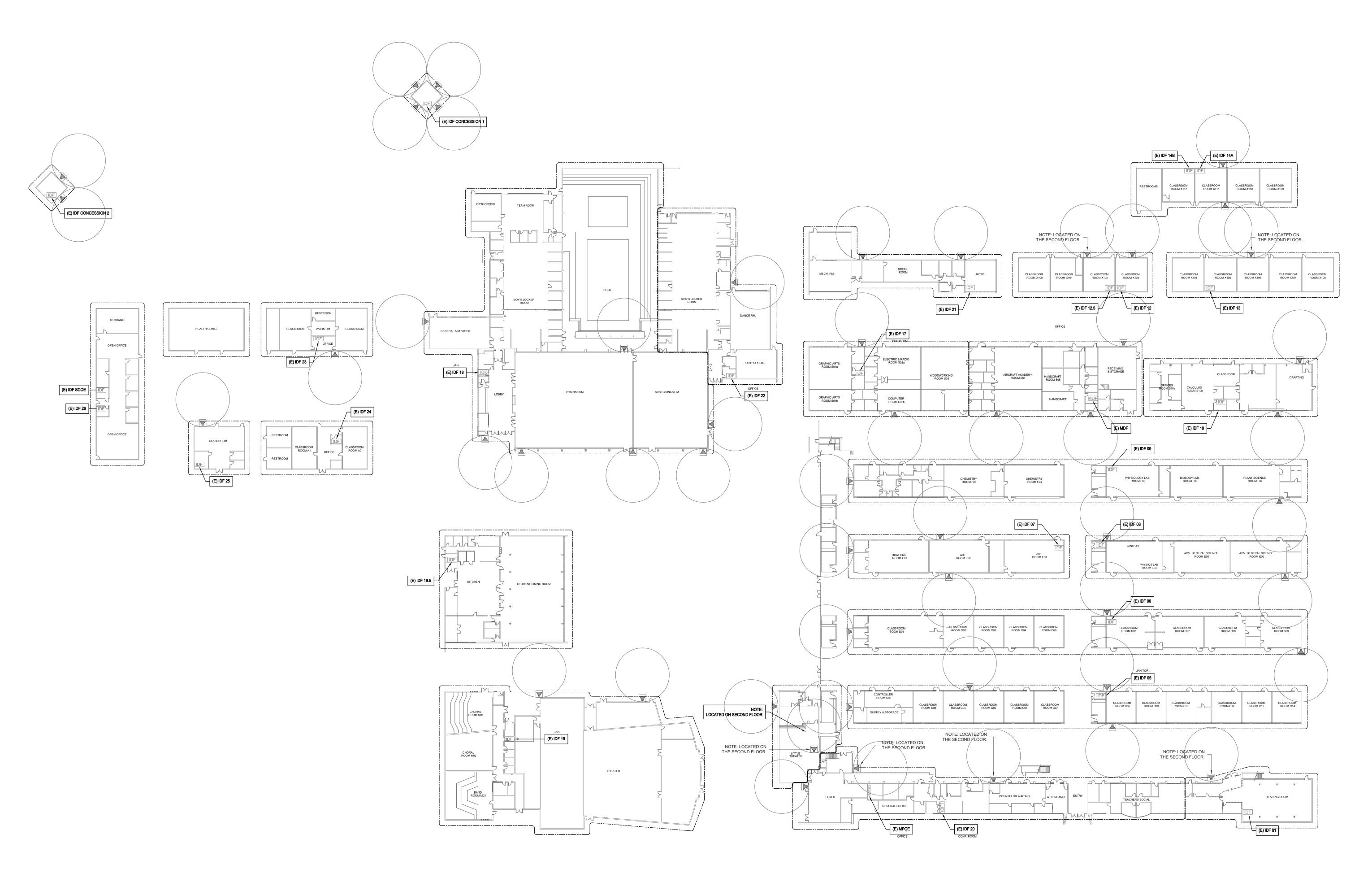
TECHNOLOGY SITE PLAN

DRAWING STATUS

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SHEET FOR REFERENCE ONLY



TECHNOLOGY SITE PLAN - EXTERIOR INTERCOM SPEAKERS

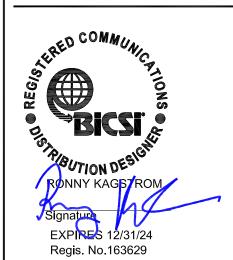




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SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER UPGRADE PROJECT 6879 14TH AVE.

SACRAMENTO, CA. 95820

SHEET TITLE

TECHNOLOGY
SITE PLAN
- EXTERIOR INTERCOM
SPEAKERS

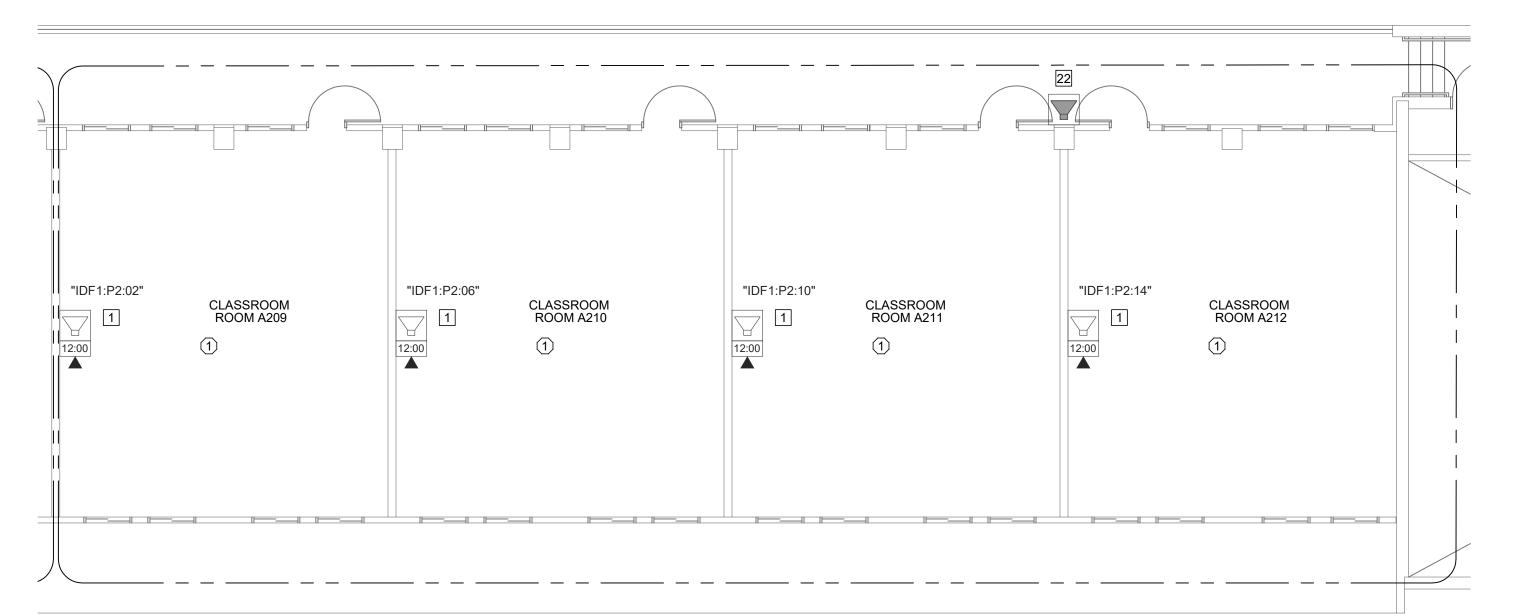
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ISSUE DATE: 2023-05-31	DESIGNED BY:	CS
	CHECKED BY:	JG
WORKING DATE: 2023-05-31	ISSUE DATE:	2023-05-31
	WORKING DATE:	2023-05-31

SHEET T101

Login Name; jgoodin Plot Date: May 31, 2023 - 1:47 pm File Name; 1.723-821 H., Johnson CBI SC! ISD\4 ACAD\T100 Ste Plandwo



NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

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

SHEET NOTES:

- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX, INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- [5] REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR. FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

- (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)
- PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE DETAIL SHEET T800.
- REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP. [15] PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND
- (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX. 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE.
- REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX. REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION
- PROVIDE ONE (1) (N) CAT6A DATA DROP. 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT

WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK.

- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC
- ABOVE THEATRICAL RIGGING GRID. 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE
- THEATRICAL RIGGING GRID. 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N) CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT.

SEATING AREA.

- [27] RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT.
- 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

KMM SERVICES, INC

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ΓΕCHNOLOGY&FIRE LIFE SAFET`



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DESCRIPTION

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD HIRAM JOHNSON HS **TELE-CENTER UPGRADE PROJECT**

6879 14TH AVE.

SACRAMENTO, CA. 95820

SHEET TITLE **TECHNOLOGY**

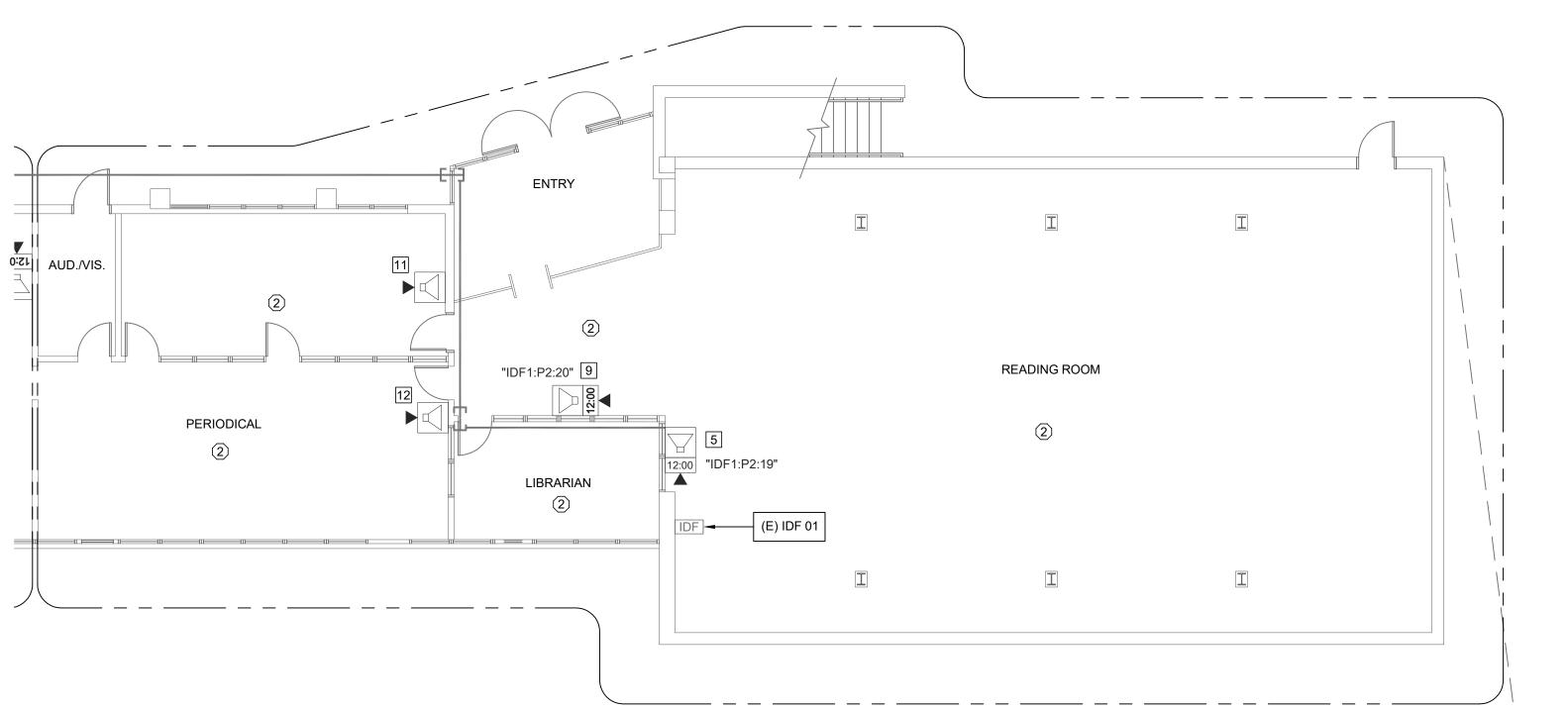
FLOOR PLANS - MDF AND IDF 01 - FIRST AND SECOND FLOORS

DRAWING STATUS

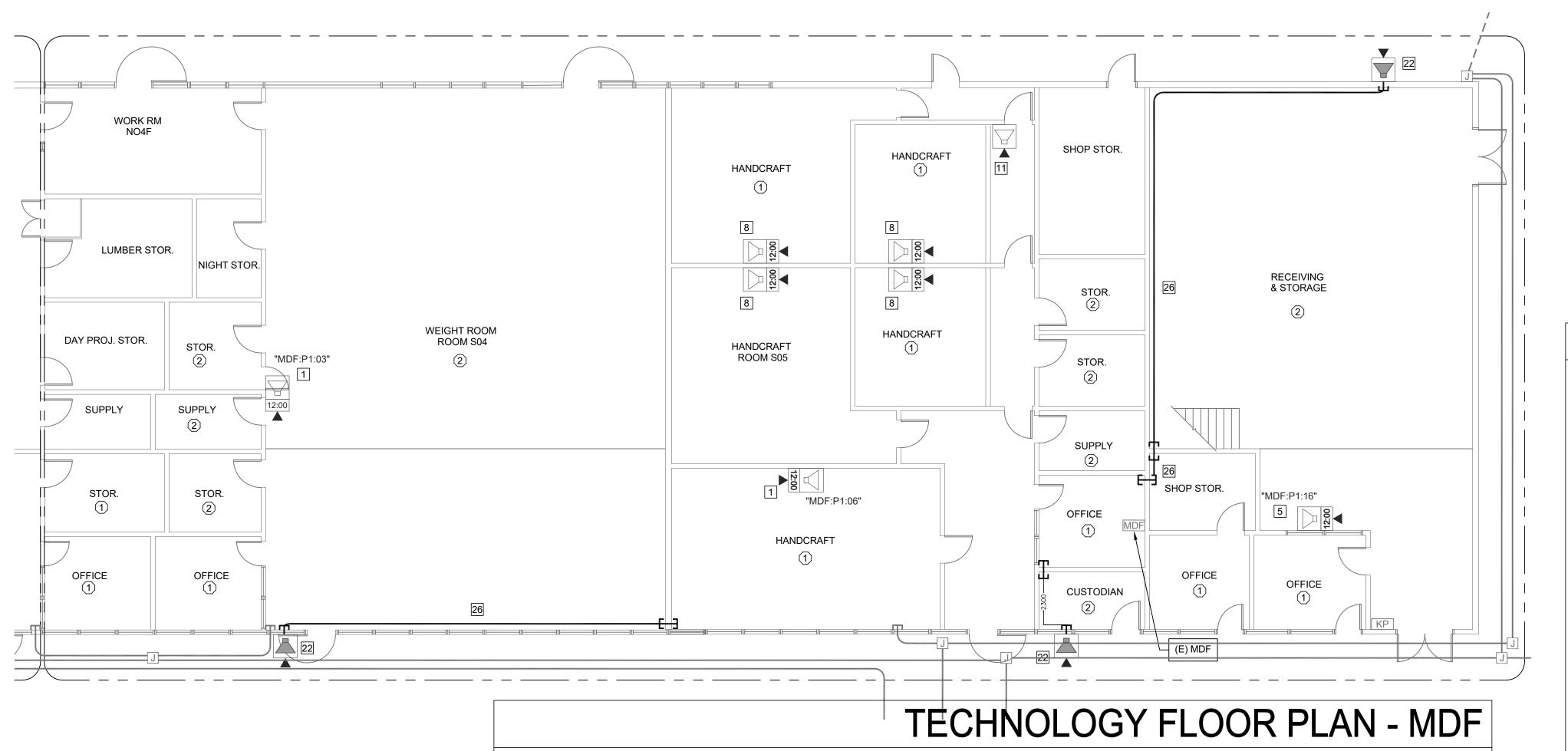
CONSTRUCTION DOCUMENTS

١	PROJECT NO:	0520-464
	BID PACKAGE:	TBD
	DESIGNED BY:	CS
	CHECKED BY:	JG
	ISSUE DATE:	2023-05-31
	WORKING DATE:	2023-05-31
1	REVISION.	

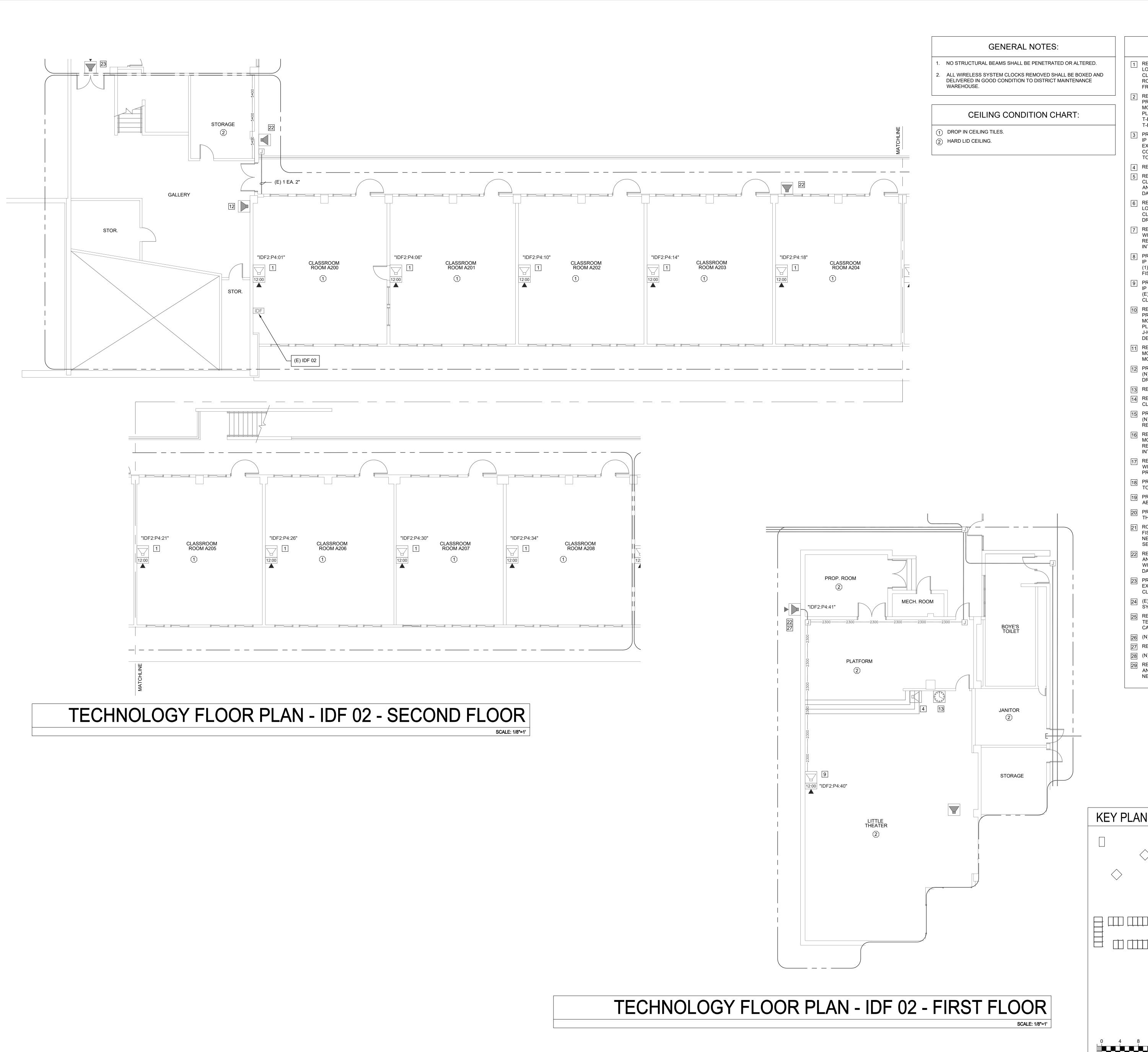
TECHNOLOGY FLOOR PLAN - IDF 01 - SECOND FLOOR SCALE: 1/8"=1'



TECHNOLOGY FLOOR PLAN - IDF 01 - FIRST FLOOR



KEY PLAN



SHEET NOTES:

- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH
- FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

 REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.
 PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
 MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)
 PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE
 T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE
- T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.

 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE
 (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO
 CLOCK/SPEAKER COMBO BOX.

 10 REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.
 PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.
 PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
 MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)
 PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL
 J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE
 DETAIL SHEET T800.
- REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [13] REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT TO MATCH.
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE.
 FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS
 NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM
 SEATING AREA
- REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N)
 EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N)
- (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N)
- SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.

 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N)
 TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N)
- CAT6A DATA DROP.

 [26] (N) 1 EA. 1" GRC/EMT.
- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT.
- REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

PROJECT
SACRAMENTO CITY USD
HIRAM JOHNSON HS
TELE-CENTER
UPGRADE PROJECT

KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

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Regis. No.163629

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SHEET REVISIONS

SITE KEY PLAN

DESCRIPTION

contact with these drawings or specifications shall constitute

Carmichael, CA 95608

Office: (916) 359-4000 www.kmmservices.com

SHEET TITLE

6879 14TH AVE.

SACRAMENTO, CA. 95820

TECHNOLOGY
FLOOR PLANS
- IDF 02 SECOND FLOOR

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO:	0520-464
BID PACKAGE:	TBD
DESIGNED BY:	CS
CHECKED BY:	JG
ISSUE DATE:	2023-05-31
WORKING DATE:	2023-05-31

T201

SHEET NOTES:

1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

CEILING CONDITION CHART:

I. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE

GENERAL NOTES:

- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- 5 REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
- MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE DETAIL SHEET T800.
- 11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 12 PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 75 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N)
- 26 (N) 1 EA. 1" GRC/EMT.

CAT6A DATA DROP.

- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT.
- 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

SACRAMENTO CITY USD

HIRAM JOHNSON HS **TELE-CENTER UPGRADE PROJECT** 6879 14TH AVE.

PROJECT

KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

5433 El Camino Ave. Suite 5

Carmichael, CA 95608

Office: (916) 359-4000 www.kmmservices.com

Regis. No.163629

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DESCRIPTION

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SHEET REVISIONS

SITE KEY PLAN

SACRAMENTO, CA. 95820

SHEET TITLE

TECHNOLOGY FLOOR PLANS - IDF 03 AND 04 -SECOND FLOOR

DRAWING STATUS

CONSTRUCTION DOCUMENTS

2023-05-31

T202

KEY PLAN

TECHNOLOGY FLOOR PLAN - IDF 03 - SECOND FLOOR

TECHNOLOGY FLOOR PLAN - IDF 04 - SECOND FLOOR

"IDF4:P5:19"

"IDF4:P5:15"

"IDF4:P5:11"

(E) IDF 04

CLASSROOM ROOM B224

I. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

(1) DROP IN CEILING TILES. (2) HARD LID CEILING.

1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

SHEET NOTES:

- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- 5 REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR. FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX. 9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)
- CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE

(E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO

IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.

DETAIL SHEET T800.

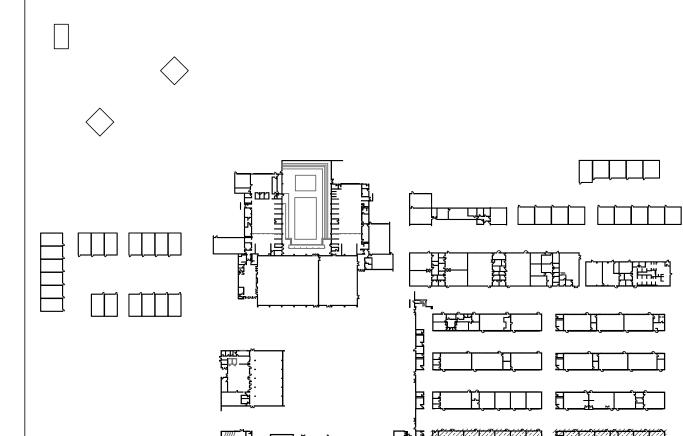
- | PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 75 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- Parameter Route via accessible crawlspaces behind architecture. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- [22] REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N)
- CAT6A DATA DROP. 26 (N) 1 EA. 1" GRC/EMT.

KEY PLAN

27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.

AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

- 28 (N) 1 EA. 2" GRC/EMT. 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX



TECHNOLOGY FLOOR PLANS - IDF 05

CLASSROOM

ROOM C14

"IDF5:P3:10"

WORK RM ROOM C11a

STORAGE ROOM C11b CLASSROOM

ROOM C05

CLASSROOM

ROOM C12

"IDF5:P3:14"

CLASSROOM

ROOM C06

CLASSROOM

ROOM C13

"IDF5:P3:18"

CLASSROOM

ROOM C07

"IDF5:P3:06"

CLASSROOM

ROOM C10

CLASSROOM

ROOM C04

0 4 8 12 16



RONNY KAGBTROM

Regis. No 163629

KMM SERVICES, INC

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than the specific project for which they have been prepared and developed without the written consent of KMM Services, Inc. Visual

DESCRIPTION

SITE KEY PLAN

PROJECT SACRAMENTO CITY USD

HIRAM JOHNSON HS TELE-CENTER **UPGRADE PROJECT** 6879 14TH AVE.

SHEET TITLE

SACRAMENTO, CA. 95820

TECHNOLOGY FLOOR PLANS - IDF 05

DRAWING STATUS **CONSTRUCTION DOCUMENTS**

PROJECT NO: 2023-05-31

"IDF5:P2:48"

(E) IDF 05

JANITOR

BOYS TLT.

ROOM C01

STUDENT STORE

ROOM C02

SUPPLY & STORAGE

CLASSROOM

ROOM C08

"IDF5:P3:02"

CLASSROOM

ROOM C09

CLASSROOM

ROOM C03

I. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

(1) DROP IN CEILING TILES. (2) HARD LID CEILING.

"IDF6:P2:18"

ROOM D05

1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

SHEET NOTES:

- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE
- T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800. 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- 5 REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR. FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX. 9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE

- (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL
- DETAIL SHEET T800. 11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP
- MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP. | PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 75 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC
- ABOVE THEATRICAL RIGGING GRID. 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE
- THEATRICAL RIGGING GRID. 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 24 (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N)
- 26 (N) 1 EA. 1" GRC/EMT.

SEATING AREA.

- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT. 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX
- AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

CAT6A DATA DROP.

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD

HIRAM JOHNSON HS

TELE-CENTER

UPGRADE PROJECT

6879 14TH AVE.

SACRAMENTO, CA. 95820

SHEET TITLE

TECHNOLOGY

FLOOR PLANS

- IDF 06

DRAWING STATUS

CONSTRUCTION DOCUMENTS

KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

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Office: (916) 359-4000 www.kmmservices.com

RONNY KAGBTROM

Regis. No.163629

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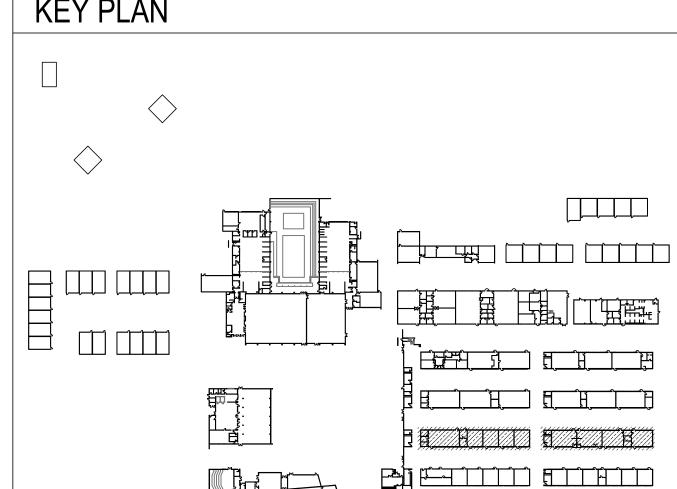
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SHEET REVISIONS

DESCRIPTION

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Carmichael, CA 95608



PROJECT NO:

2023-05-31

KEY PLAN

0 4 8 12 16

TECHNOLOGY FLOOR PLANS - IDF 06

CLASSROOM ROOM D09

"IDF6:P2:09"

CLASSROOM

ROOM D08

CLASSROOM

ROOM D03

OFFICE

STORAGE

"IDF6:P2:22"

CLASSROOM

"IDF6:P2:07"

CLASSROOM

ROOM D07

ROOM D02

"IDF6:P2:26" | "IDF6:P2:30"

"IDF6:P2:14"

CLASSROOM

ROOM D04

MODEL KITCHEN

STOR.

UTILITY RM.

WOMEN'S TOILET

GROUP PROJ.

STORAGE

"IDF6:P2:02"

CLASSROOM

EOOM D01

CLASSROOM

ROOM D06

TOILET

NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.
 ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

DROP IN CEILING TILES.
 HARD LID CEILING.

STOR.

STOR.

ADV. GENERAL SCIENCE

"IDF8:P2:19"

ROOM E06

SHEET NOTES:

- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 2 REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.
- PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)
 IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE
 (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR,
 FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)
- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE
 (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO
 CLOCK/SPEAKER COMBO BOX.

 10 REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.
 PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
 MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)

PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE

DETAIL SHEET T800.

11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP

MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.

- PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [13] REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT TO MATCH.
- PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE.
 FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS
 NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM
 SEATING AREA.
- REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N)
 EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N)
 CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N)
 TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N)
- CAT6A DATA DROP.

 [26] (N) 1 EA. 1" GRC/EMT.
- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT.
- REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN NEAREST IDE



KMM SERVICES, INC

5433 El Camino Ave. Suite 5 Carmichael, CA 95608

Office: (916) 359-4000 www.kmmservices.com

TECHNOLOGY&FIRE LIFE SAFETY



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SHEET REVISIONS

DELTA	DESCRIPTION	DAT

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER UPGRADE PROJECT 6879 14TH AVE.

> SACRAMENTO, CA. 95820 SHEET TITLE

TECHNOLOGY FLOOR PLANS - IDF 07 AND 08

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO: 0520-464

BID PACKAGE: TBD

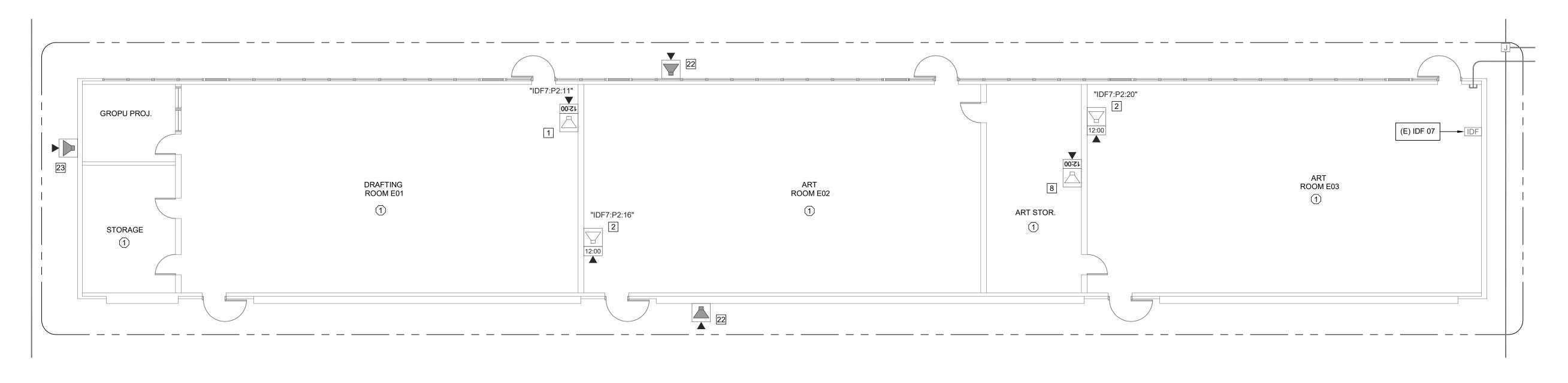
DESIGNED BY: CS

CHECKED BY: JG

ISSUE DATE: 2023-05-31

WORKING DATE: 2023-05-31

SHE



ADV. GENERAL SCIENCE

ROOM E05

TECHNOLOGY FLOOR PLANS - IDF 07

TECHNOLOGY FLOOR PLANS - IDF 08

SCALE: 1/8"=1'

0 4 8 12 16

KEY PLAN

8 12 16

: May 31, 2023 - 1:48 pm s: L/23-821_H Johnson_ CBI_SCUSD\4_ACA Border ! XBackeround - Eret Floor ! XBackeround

JANITOR

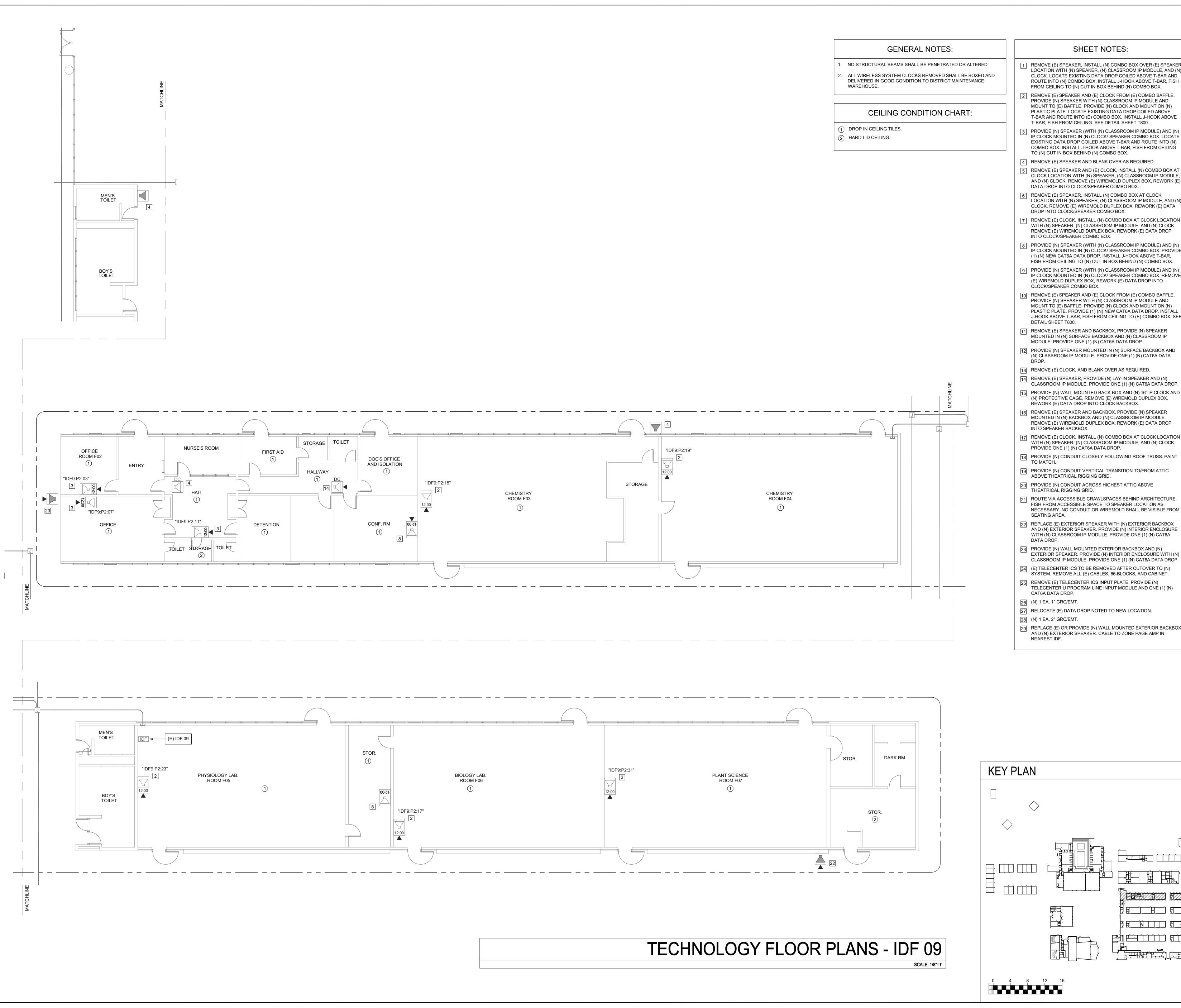
GIRL'S TOILET

"IDF8:P2:11"

PHYSICS LAB

ROOM E04

STORAGE



SHEET NOTES:

- 1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.

T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.

- 5 REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR. FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)
- PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE DETAIL SHEET T800. 11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER
- MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- | PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 75 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC
- ABOVE THEATRICAL RIGGING GRID.
- PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N) CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT.
- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT.
- 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

DELTA

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DESCRIPTION

KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

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Office: (916) 359-4000 www.kmmservices.com

RONNY KAGETROM

Regis. No.163629

Carmichael, CA 95608

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SITE KEY PLAN

PROJECT SACRAMENTO CITY USD HIRAM JOHNSON HS

TELE-CENTER UPGRADE PROJECT 6879 14TH AVE.

SHEET TITLE

SACRAMENTO, CA. 95820

TECHNOLOGY FLOOR PLANS - IDF 09

DRAWING STATUS CONSTRUCTION DOCUMENTS

- 1		
	PROJECT NO:	0520-464
	BID PACKAGE:	TBD
	DESIGNED BY:	CS
	CHECKED BY:	JG
	ISSUE DATE:	2023-05-31
	WORKING DATE:	2023-05-31
- 1		

GENERAL NOTES:

. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

(1) DROP IN CEILING TILES. (2) HARD LID CEILING.

SHEET NOTES:

- 1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH
- FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.

- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- [5] REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX, PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR. FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX. 9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

- (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE
- REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP

MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.

- PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.

DETAIL SHEET T800.

- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 15 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC
- ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- POUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N) CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT.

28 (N) 1 EA. 2" GRC/EMT.

KEY PLAN

0 4 8 12 16

- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

Regis. No 163629

KMM SERVICES, INC

ΓΕCHNOLOGY&FIRE LIFE SAFET`

5433 El Camino Ave. Suite 5

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Carmichael, CA 95608

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DELTA

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DESCRIPTION

conclusive evidence of these restrictions.

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER **UPGRADE PROJECT**

> 6879 14TH AVE. SACRAMENTO, CA. 95820

TECHNOLOGY FLOOR PLANS - IDF 10 AND 12 - FIRST AND SECOND FLOORS

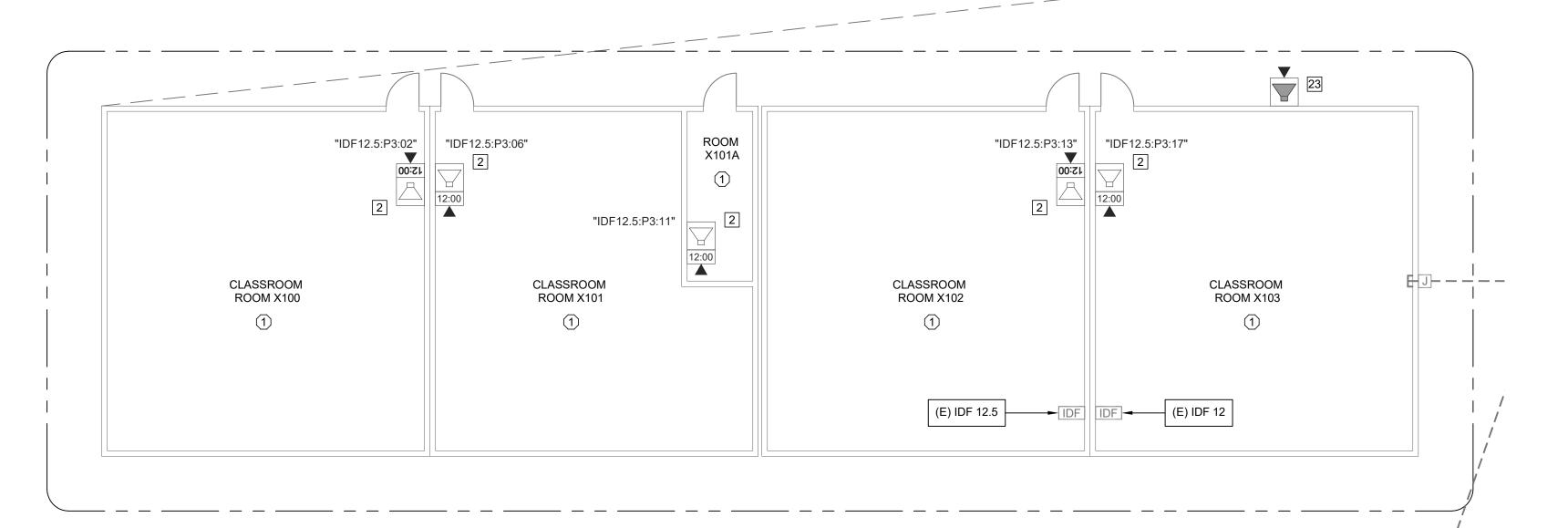
SHEET TITLE

DRAWING STATUS

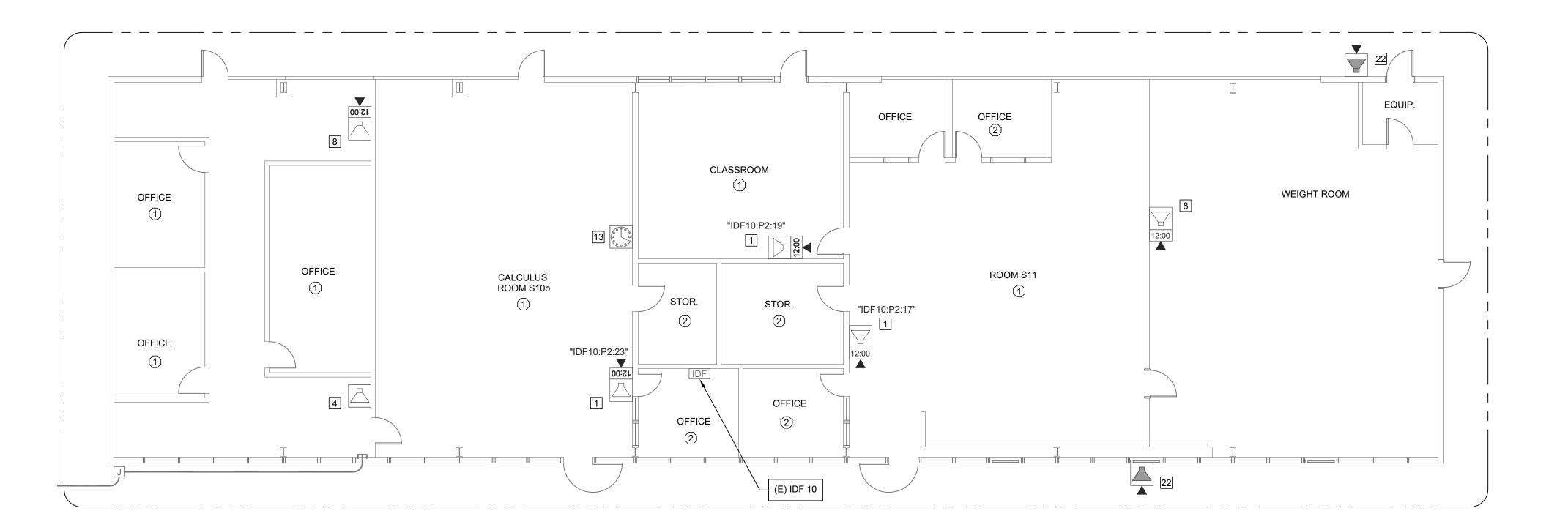
CONSTRUCTION DOCUMENTS

2023-05-31

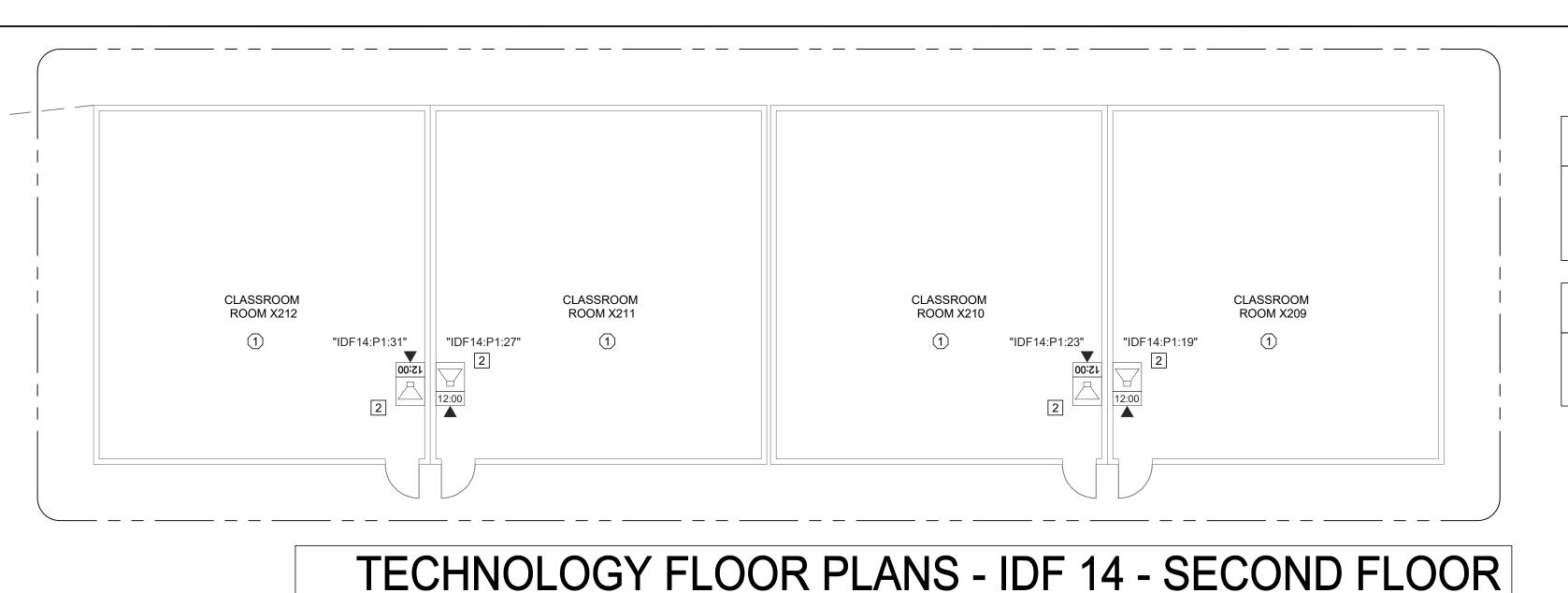
TECHNOLOGY FLOOR PLANS - IDF 12.5 - SECOND FLOOR



TECHNOLOGY FLOOR PLANS - IDF 12.5 - FIRST FLOOR



TECHNOLOGY FLOOR PLANS - IDF 10



CLASSROOM

ROOM X111

ROOM X112

CLASSROOM

ROOM X205

"IDF14:P1:15" || "IDF14:P1:10"

RESTROOMS

CLASSROOM

ROOM X204

GENERAL NOTES:

NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.

ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

DROP IN CEILING TILES.
 HARD LID CEILING.

CLASSROOM

ROOM X109

CLASSROOM

ROOM X208

SHEET NOTES:

- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- PROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

 REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE
- T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.

 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.

TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

DATA DROP INTO CLOCK/SPEAKER COMBO BOX.

- REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E)
- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)
- CLOCK/SPEAKER COMBO BOX.

 REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.
 PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
 MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)
 PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL
 J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE

(E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO

IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.

DETAIL SHEET T800.

- PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [13] REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.

PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND

- (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.

 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER
- MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE.
 REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP
 INTO SPEAKER BACKBOX.

 [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION
- WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT TO MATCH.
- PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N)
 EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N
 CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP
- (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N)
 TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N)
 CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT.
- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.28 (N) 1 EA. 2" GRC/EMT.
- REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

TECHNOLOGY FLOOR PLANS - IDF 13 - SECOND FLOOR

CLASSROOM

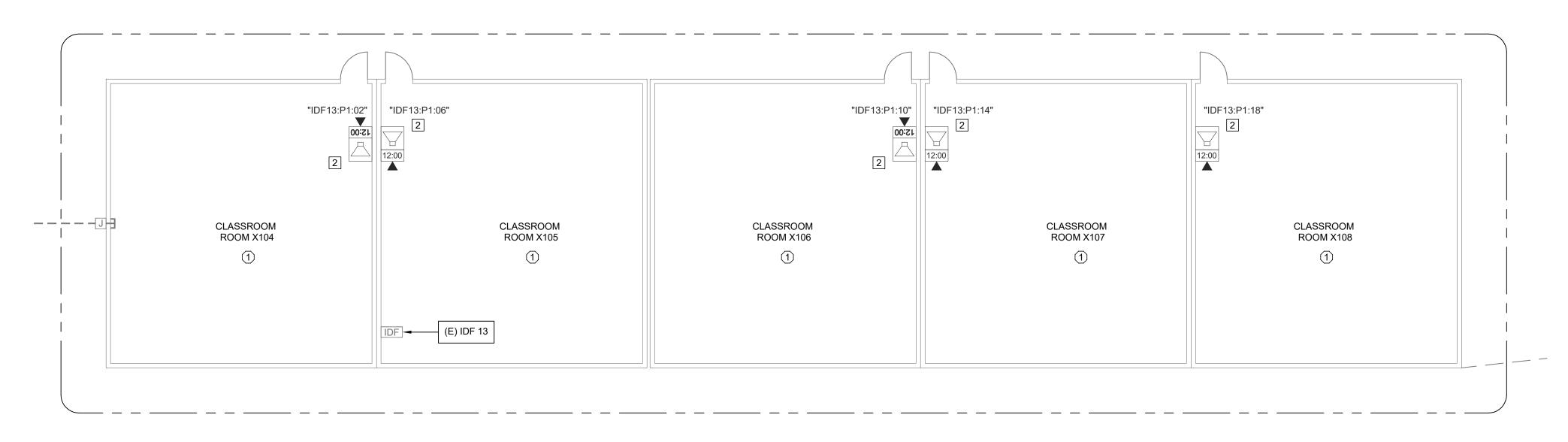
ROOM X207

CLASSROOM

ROOM X110

TECHNOLOGY FLOOR PLANS - IDF 14 - FIRST FLOOR

"IDF14:P1:06" || "IDF14:P1:02"



CLASSROOM

ROOM X206

TECHNOLOGY FLOOR PLANS - IDF 13 - FIRST FLOOR

SCALE: 1/8"=1'

KEY PLAN

0 4 8 12 16

REVISION
SHEET T2

KMM SERVICES, INC
TECHNOLOGY&FIRE LIFE SAFETY

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SHEET REVISIONS

DESCRIPTION

SITE KEY PLAN

PROJECT
SACRAMENTO CITY USD

HIRAM JOHNSON HS
TELE-CENTER
UPGRADE PROJECT
6879 14TH AVE.

SACRAMENTO, CA. 95820
SHEET TITLE

TECHNOLOGY
FLOOR PLANS
- IDF 13 AND 14 - FIRST
AND SECOND FLOORS

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO: 0520-464

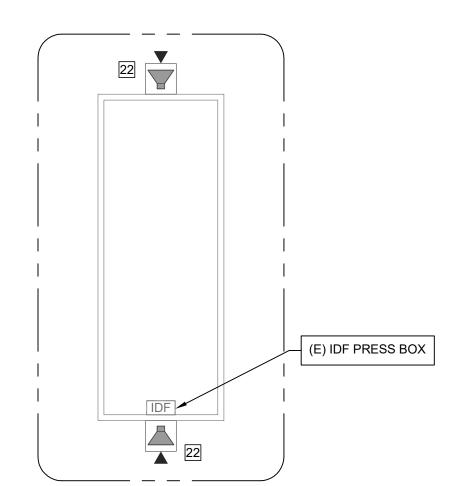
BID PACKAGE: TBD

DESIGNED BY: CS

CHECKED BY: JG

ISSUE DATE: 2023-05-31

WORKING DATE: 2023-05-31



NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.
 ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

1 DROP IN CEILING TILES.(2) HARD LID CEILING.

CEILING TILES.

SHEET NOTES:

- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.
 PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
 MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)
 PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE
 T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE
- T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.

 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

 9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE
 (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO
 CLOCK/SPEAKER COMBO BOX.

 10 REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.
 PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
- PROVIDE (N) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.
 PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
 MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)
 PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL
 J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE
 DETAIL SHEET T800.
- REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [13] REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.

 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER
- MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE.
 REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP
 INTO SPEAKER BACKBOX.
- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT TO MATCH.
- PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N)
 EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N)
- (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N)
 TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N)
- 26 (N) 1 EA. 1" GRC/EMT.

CAT6A DATA DROP.

- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.28 (N) 1 EA. 2" GRC/EMT.
- REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

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DESCRIPTION

KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

5433 El Camino Ave. Suite 5

Office: (916) 359-4000 www.kmmservices.com

Regis. No 163629

Carmichael, CA 95608

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SHEET REVISIONS

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER UPGRADE PROJECT

6879 14TH AVE.

SHEET TITLE

SACRAMENTO, CA. 95820

TECHNOLOGY
FLOOR PLANS
- IDF 17 AND
CONCESSION 1 AND 2

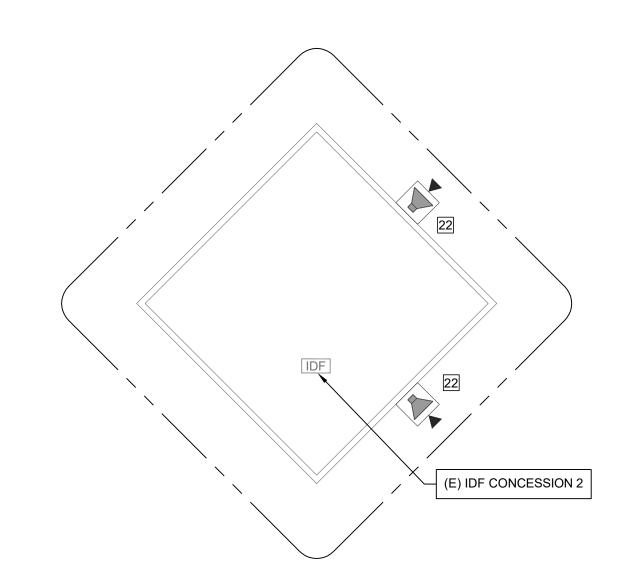
DRAWING STATUS

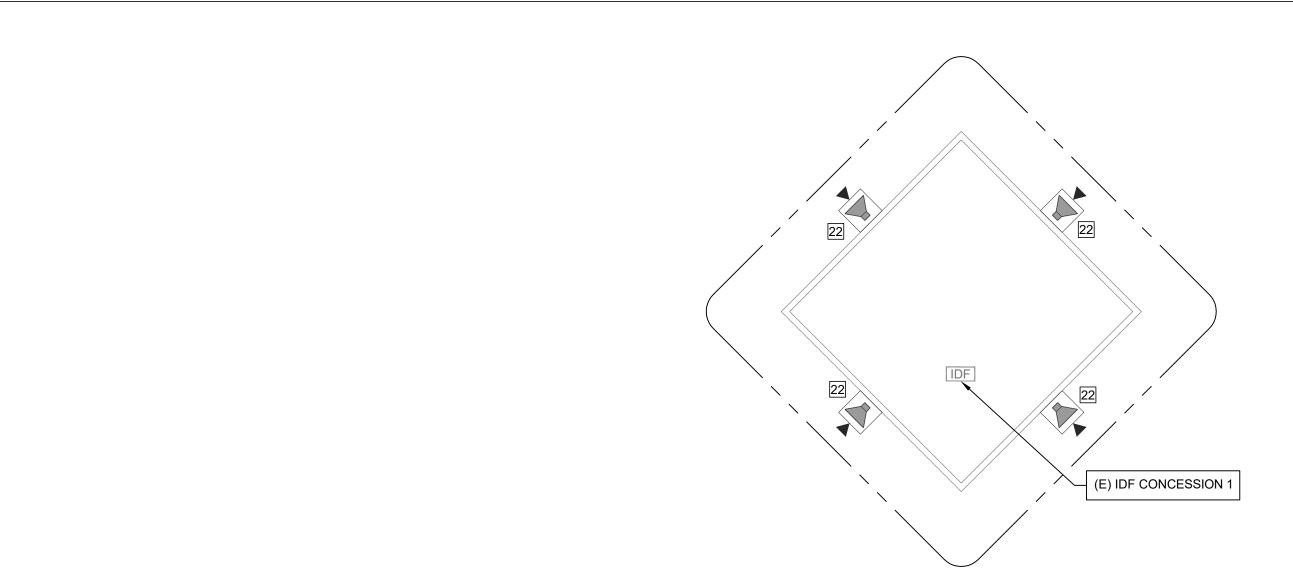
CONSTRUCTION DOCUMENTS

PROJECT NO:	0520-464
BID PACKAGE:	TBD
DESIGNED BY:	CS
CHECKED BY:	JG
ISSUE DATE:	2023-05-31
WORKING DATE:	2023-05-31
REVISION	

T209

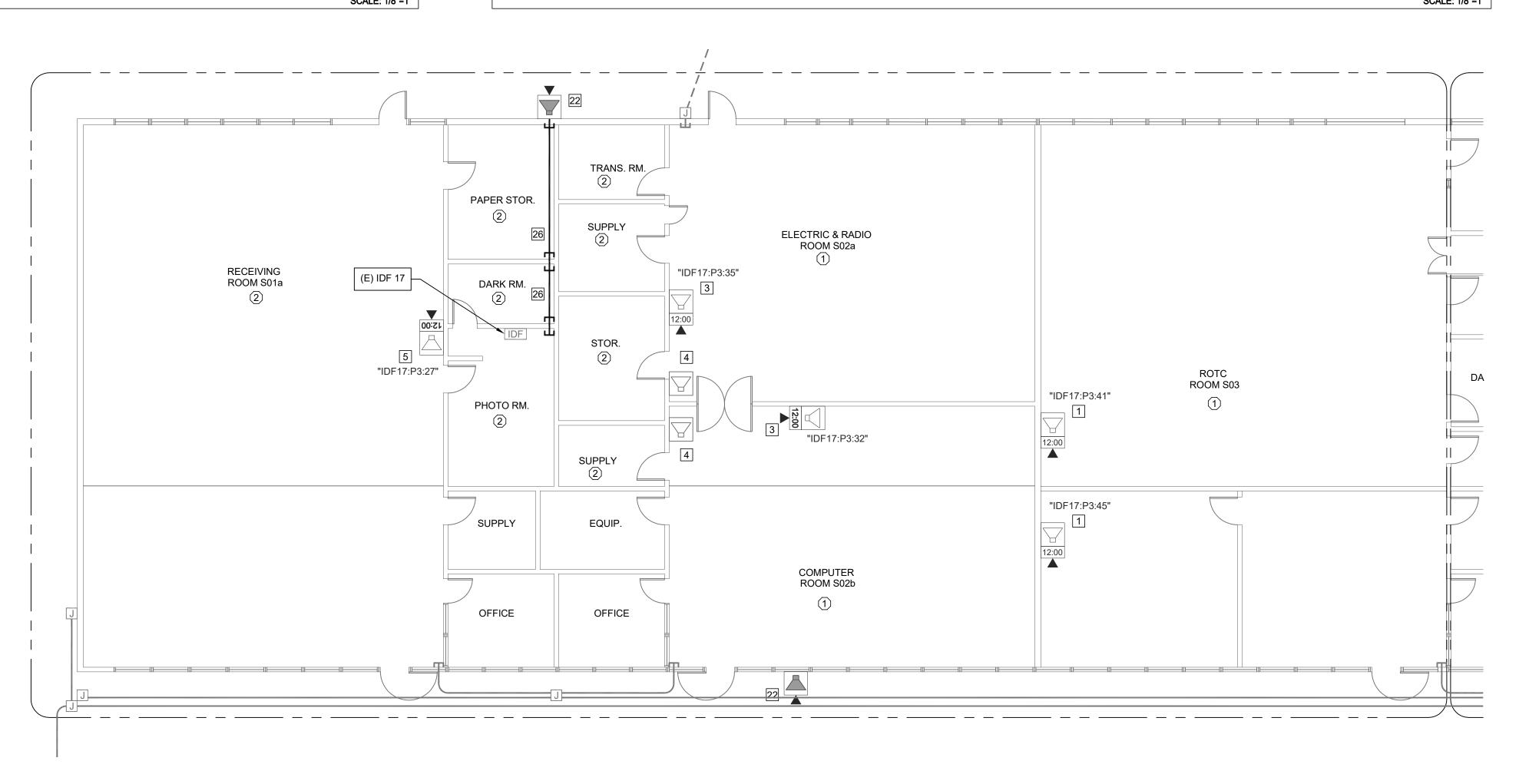
TECHNOLOGY FLOOR PLANS - IDF CONCESSION 1





TECHNOLOGY FLOOR PLANS - IDF CONCESSION 2

TECHNOLOGY FLOOR PLANS - IDF CONCESSION 1



TECHNOLOGY FLOOR PLANS - IDF 17

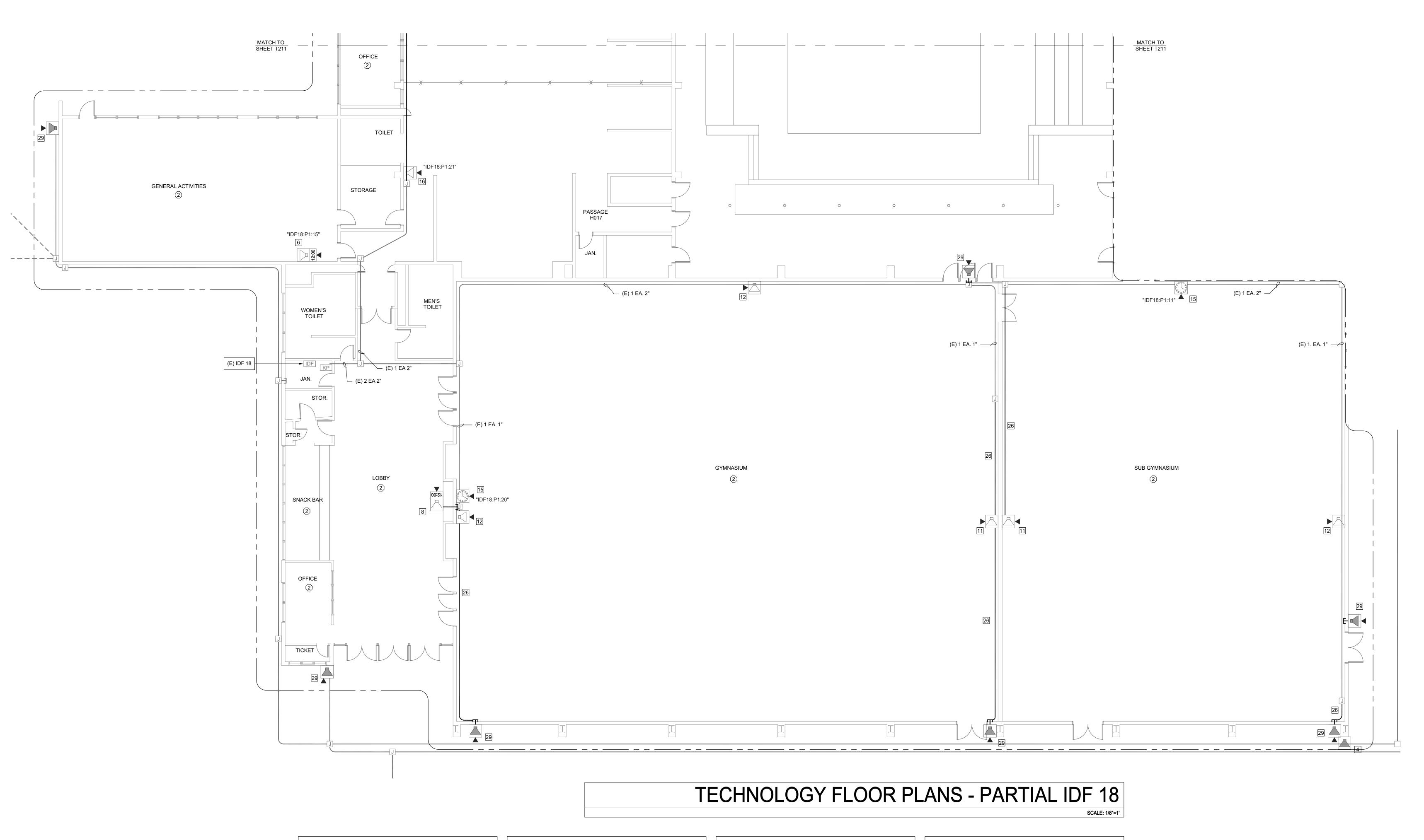
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ste: May 31, 2023 - 1:48 pm me: L:\23-821_H Johnson_ CBI_SCUSD\4_ACAD\T200

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KEY PLAN



- NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.
- ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

1 DROP IN CEILING TILES. (2) HARD LID CEILING.

SHEET NOTES (CONT.):

- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N) CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT. [27] RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT. 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

NEAREST IDF.

SHEET NOTES (CONT.):

- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE DETAIL SHEET T800.
- 11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 15 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.

SHEET NOTES:

REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

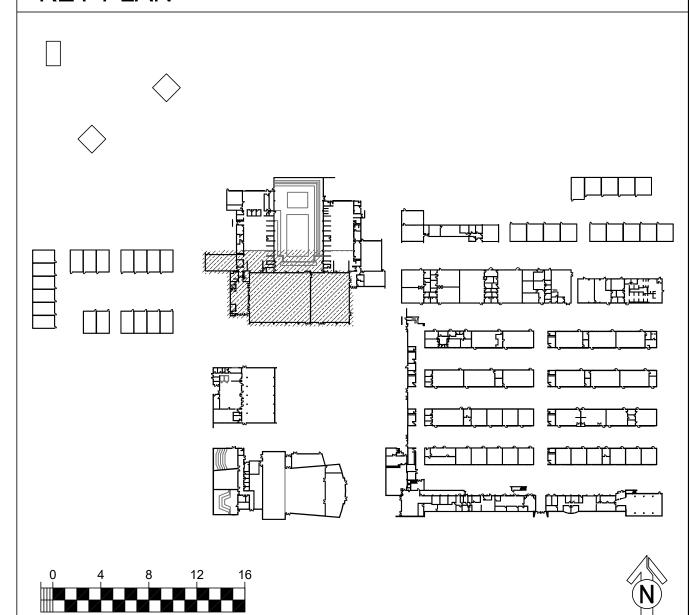
REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE.

PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800. 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE

EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N)

- COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX. 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED. [5] REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT
- CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE. AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVÉ (E) WIREMOLD DUPLEX BOX, REWORK (E) DATÁ DROP INTO CLOCK/SPEAKER COMBO BOX.

KEY PLAN





KMM SERVICES, INC

5433 El Camino Ave. Suite armichael, CA 95608 Office: (916) 359-4000 www.kmmservices.com

TECHNOLOGY&FIRE LIFE SAFET



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conclusive evidence of these restrictions.

DESCRIPTION

SITE KEY PLAN

PROJECT SACRAMENTO CITY USD HIRAM JOHNSON HS

TELE-CENTER UPGRADE PROJECT 6879 14TH AVE. SACRAMENTO, CA. 95820

SHEET TITLE

TECHNOLOGY FLOOR PLANS

- PARTIAL IDF 18

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO: 0520-464 **BID PACKAGE:** DESIGNED BY: CHECKED BY: ISSUE DATE: 2023-05-31 WORKING DATE: 2023-05-31 REVISION

I. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

(1) DROP IN CEILING TILES. (2) HARD LID CEILING.

1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

SHEET NOTES:

- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- 5 REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND
- MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE DETAIL SHEET T800.
- 11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- | PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 75 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE
- THEATRICAL RIGGING GRID. 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N) CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT.

SEATING AREA.

- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT.
- 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

DELTA

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KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

5433 El Camino Ave. Suite 5

Office: (916) 359-4000 www.kmmservices.com

RONNY KAGETROM

Regis. No.163629

Carmichael, CA 95608

SHEET REVISIONS

DESCRIPTION

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD HIRAM JOHNSON HS **TELE-CENTER UPGRADE PROJECT** 6879 14TH AVE.

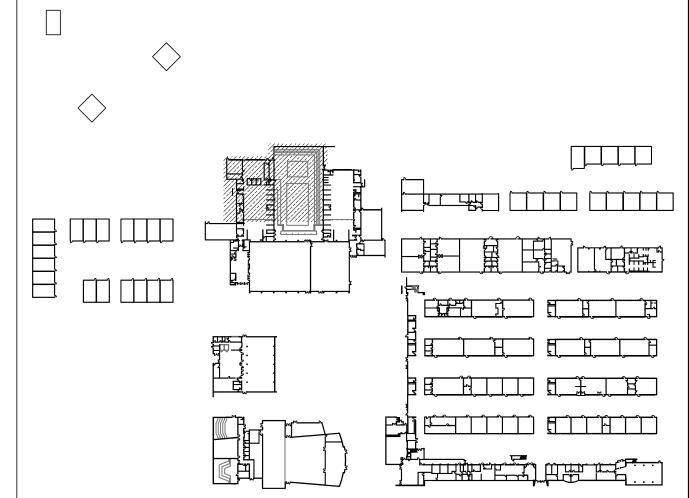
> SACRAMENTO, CA. 95820 SHEET TITLE

TECHNOLOGY FLOOR PLANS - PARTIAL IDF 18

DRAWING STATUS CONSTRUCTION DOCUMENTS

- 1		
	PROJECT NO:	0520-464
	BID PACKAGE:	TBD
	DESIGNED BY:	CS
	CHECKED BY:	JG
	ISSUE DATE:	2023-05-31
	WORKING DATE:	2023-05-31
- 1	DEVIOLONI	

KEY PLAN



TECHNOLOGY FLOOR PLANS - PARTIAL IDF 18

0 4 8 12 16

ORTHOPEDIC

FOOTBALL

"IDF18:P1:06"

TRAINER

OFFICE

STAFF LOCKER

MATCH TO SHEET T210

"IDF18:P1:12"

TOILET

TEAM ROOM

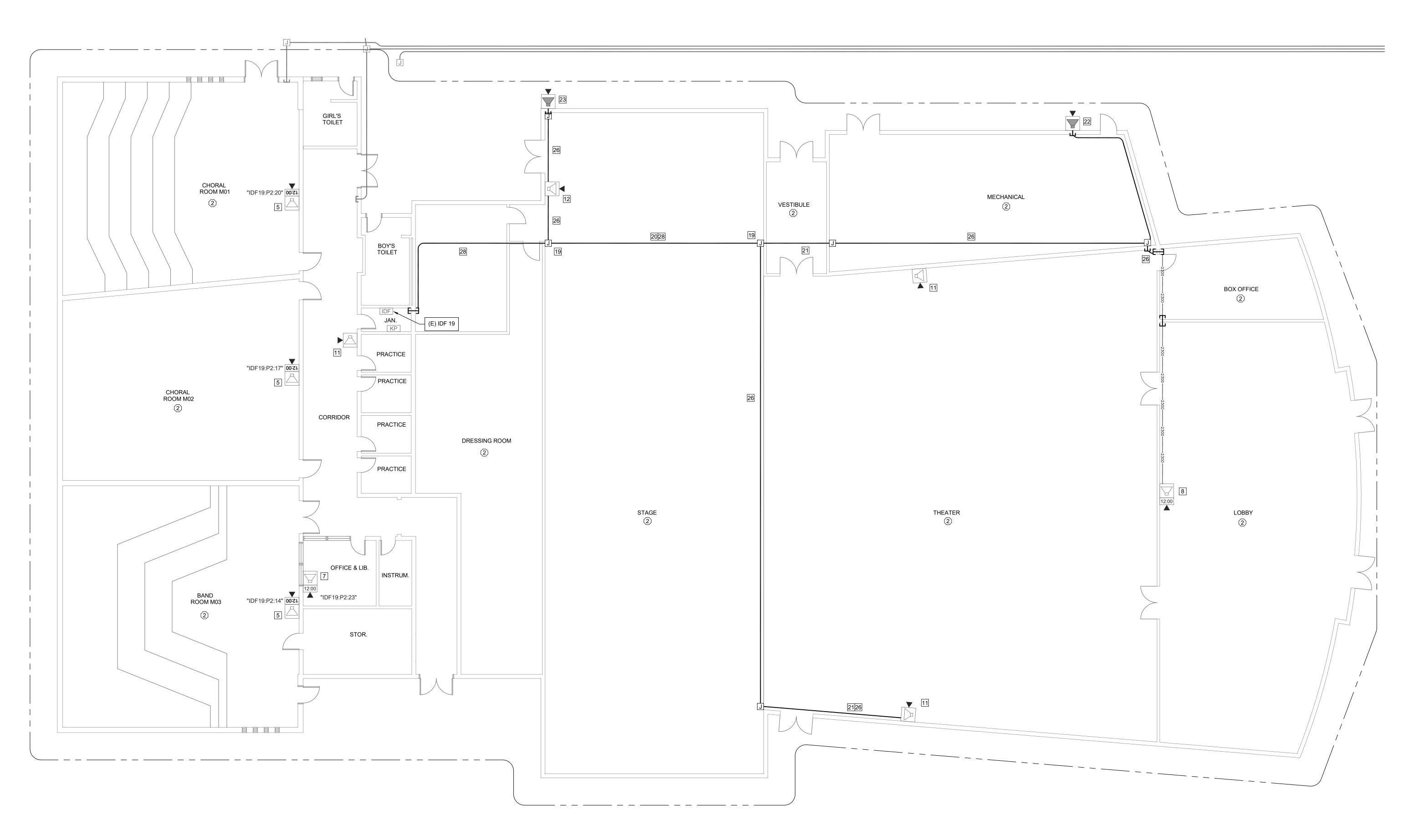
EQUIP.

BOY'S LOCKER

DRYING

POOL OFFICE

TOWELS



TECHNOLOGY FLOOR PLANS - IDF 19 - THEATER

GENERAL NOTES:

- NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.
- ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

(1) DROP IN CEILING TILES. (2) HARD LID CEILING.

SHEET NOTES (CONT.):

- REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC
- ABOVE THEATRICAL RIGGING GRID. 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE
- THEATRICAL RIGGING GRID.
- ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS SEATING AREA.
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N) CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT. 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT.

29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN NEAREST IDF.

SHEET NOTES (CONT.):

- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE DETAIL SHEET T800.
- 11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 12 PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 15 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX. PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.

SHEET NOTES:

- REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK, LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800. 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)
- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED. [5] REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE.
- AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N)
- DROP INTO CLOCK/SPEAKER COMBO BOX. 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK.

CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA

REMOVÉ (E) WIREMOLD DUPLEX BOX, REWORK (E) DATÁ DROP INTO CLOCK/SPEAKER COMBO BOX.

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SHEET REVISIONS

DELTA DESCRIPTION

SITE KEY PLAN

PROJECT SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER **UPGRADE PROJECT**

6879 14TH AVE. SACRAMENTO, CA. 95820

SHEET TITLE **TECHNOLOGY FLOOR PLANS** - IDF 19

DRAWING STATUS CONSTRUCTION DOCUMENTS

- THEATER

OJECT NO:	0520-464	
PACKAGE:	TBD	
SIGNED BY:	CS	
ECKED BY:	JG	
SUE DATE:	2023-05-31	
ORKING DATE:	2023-05-31	
<u> </u>	-	l

KEY PLAN

I. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

(1) DROP IN CEILING TILES. (2) HARD LID CEILING.

5 "IDF19:P2:33"

1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

SHEET NOTES:

- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.

- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- 5 REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR. FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX. 9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)
- (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL

IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE

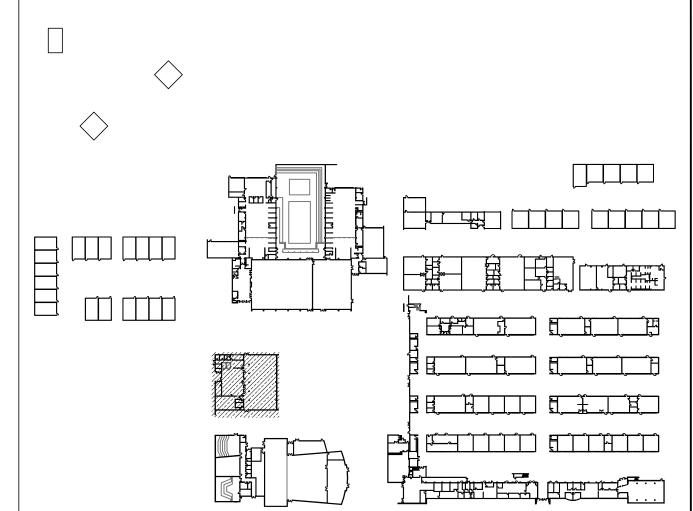
DETAIL SHEET T800. REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP

MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.

- 12 PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 75 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N) CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT.
- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT.
- 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

KEY PLAN

0 4 8 12 16



TECHNOLOGY FLOOR PLANS - IDF 19 - CAFETERIA

[5] "IDF19:P2:35"

STUDENT DINING ROOM

KITCHEN

5 "IDF19:P2:24"

FACULTY DINING AREA

WOMEN'S

TOILET

WOMEN'S

TOILET

MECH. EQUIP.

FOOD STOR.



KMM SERVICES, INC

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

TECHNOLOGY&FIRE LIFE SAFETY



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DELTA DESCRIPTION

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IF DRAWING IS NOT 30"X42" IT IS A REDUCED PRINT SHEET REVISIONS

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SITE KEY PLAN

PROJECT SACRAMENTO CITY USD

HIRAM JOHNSON HS **TELE-CENTER UPGRADE PROJECT** 6879 14TH AVE.

SHEET TITLE

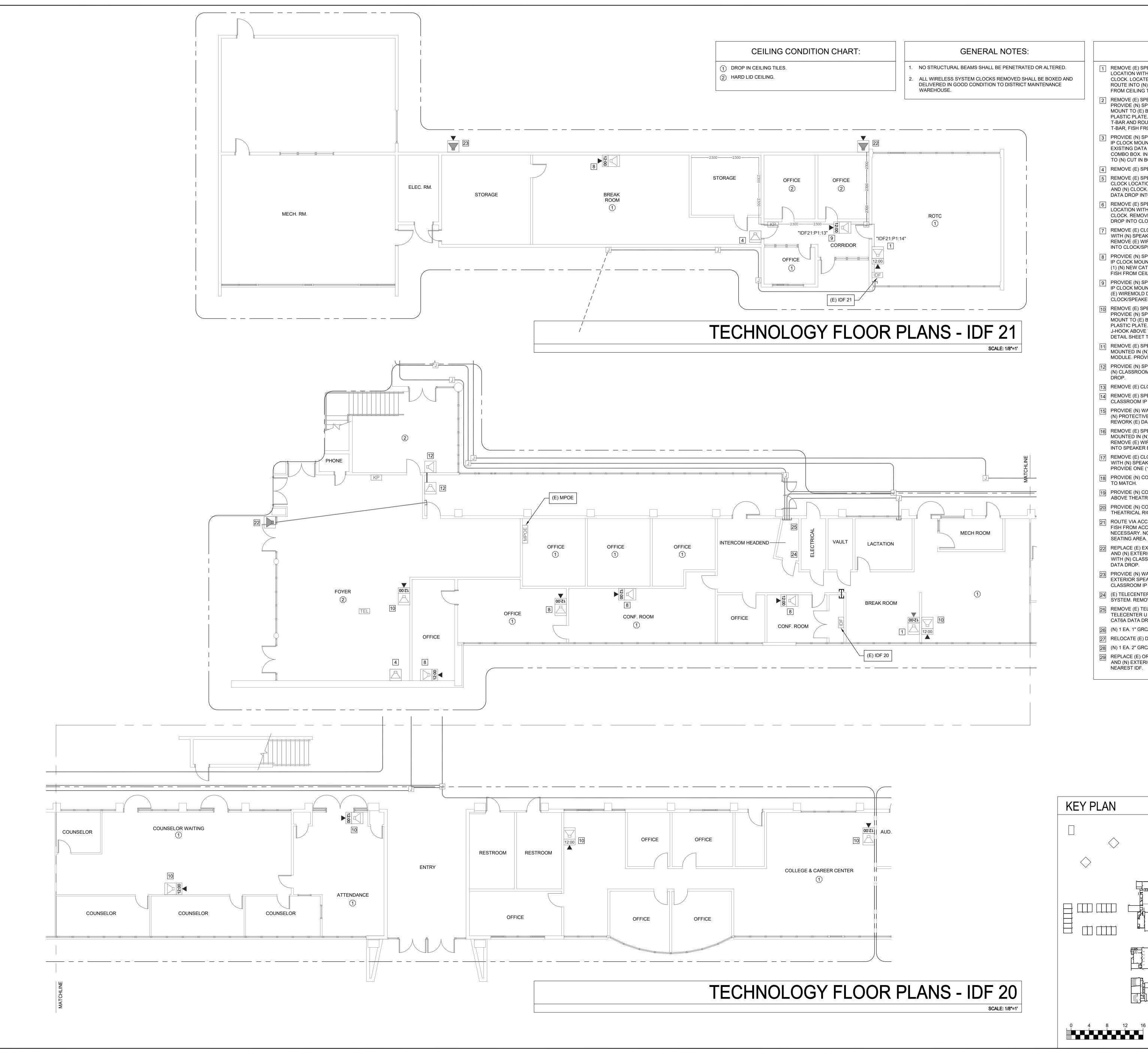
SACRAMENTO, CA. 95820

TECHNOLOGY FLOOR PLANS - IDF 19 - CAFETERIA

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO: 2023-05-31



SHEET NOTES:

- 1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- [5] REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX. 9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE

8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

- (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL
- 11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.

DETAIL SHEET T800.

- PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [15] PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX.
- [16] REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX.
- [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- 21 ROUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 24 (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N) CAT6A DATA DROP.
- 26 (N) 1 EA. 1" GRC/EMT.
- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT. 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX
- AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

Regis. No.163629

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KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

5433 El Camino Ave. Suite 5

Office: (916) 359-4000 www.kmmservices.com

Carmichael, CA 95608

DESCRIPTION

SITE KEY PLAN

PROJECT SACRAMENTO CITY USD

HIRAM JOHNSON HS **TELE-CENTER UPGRADE PROJECT** 6879 14TH AVE.

> SACRAMENTO, CA. 95820 SHEET TITLE

TECHNOLOGY FLOOR PLANS - IDF 20 AND 21

DRAWING STATUS CONSTRUCTION DOCUMENTS

PROJECT NO:	0520-464
BID PACKAGE:	TBD
DESIGNED BY:	CS
CHECKED BY:	JG
ISSUE DATE:	2023-05-31
WORKING DATE:	2023-05-31
REVISION	

I. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

(1) DROP IN CEILING TILES. (2) HARD LID CEILING.

GENERAL NOTES:

1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.

SHEET NOTES:

- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800.
- 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- 5 REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.

8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR. FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX. 9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N)

IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

- (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE
- DETAIL SHEET T800. 11 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP

MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.

- | PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP. 75 PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND
- (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX. 16 REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER
- MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX. [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION
- WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP. 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC
- ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
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- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
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- 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN

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DESCRIPTION

SHEET REVISIONS

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KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

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Office: (916) 359-4000 www.kmmservices.com

RONNY KAGETROM

Regis. No.163629

Carmichael, CA 95608

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SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD HIRAM JOHNSON HS **TELE-CENTER UPGRADE PROJECT**

> SACRAMENTO, CA. 95820 SHEET TITLE

6879 14TH AVE.

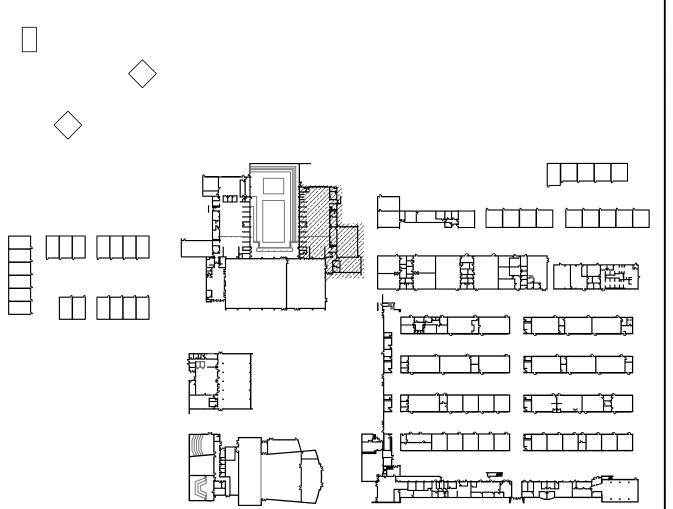
TECHNOLOGY FLOOR PLANS - IDF 22

DRAWING STATUS

PROJECT NO: 0520-464 2023-05-31

CONSTRUCTION DOCUMENTS

KEY PLAN







PASSAGE

FOOTBATH

TOWEL

TOILET

18 26

GIRL'S LOCKER

ROOM

"IDF22:P1:06"

PASSAGE

"IDF22:P1:13"

BOY'S

TOILET

OUTDOOR

EQUIP.

ENTRY

TOILET

STAFF LOCKER

OFFICE

P.E. EQUIP.

TOILET

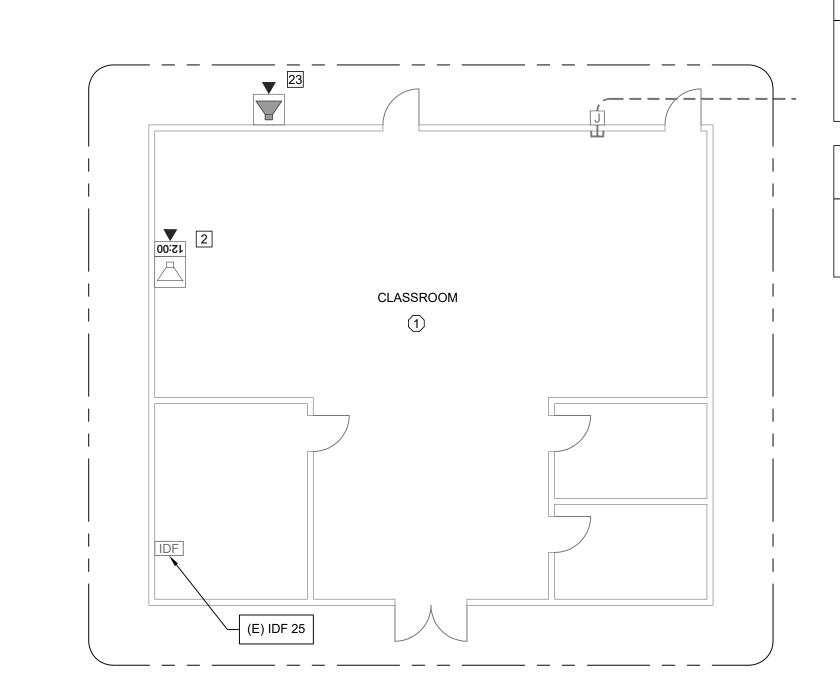
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"IDF22:P1:08"

TECHNOLOGY FLOOR PLANS - IDF 22

(E) IDF 22

DANCE RM.



. NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED. ALL WIRELESS SYSTEM CLOCKS REMOVED SHALL BE BOXED AND DELIVERED IN GOOD CONDITION TO DISTRICT MAINTENANCE WAREHOUSE.

CEILING CONDITION CHART:

1 DROP IN CEILING TILES. (2) HARD LID CEILING.

SHEET NOTES:

- 1 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX OVER (E) SPEAKER LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N) PLASTIC PLATE. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (E) COMBO BOX. INSTALL J-HOOK ABOVE
- T-BAR, FISH FROM CEILING. SEE DETAIL SHEET T800. 3 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. LOCATE EXISTING DATA DROP COILED ABOVE T-BAR AND ROUTE INTO (N) COMBO BOX. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- 4 REMOVE (E) SPEAKER AND BLANK OVER AS REQUIRED.
- [5] REMOVE (E) SPEAKER AND (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 6 REMOVE (E) SPEAKER, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 7 REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX.
- 8 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (N) CUT IN BOX BEHIND (N) COMBO BOX.
- (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK/SPEAKER COMBO BOX. REMOVE (E) SPEAKER AND (E) CLOCK FROM (E) COMBO BAFFLE. PROVIDE (N) SPEAKER WITH (N) CLASSROOM IP MODULE AND MOUNT TO (E) BAFFLE. PROVIDE (N) CLOCK AND MOUNT ON (N)

9 PROVIDE (N) SPEAKER (WITH (N) CLASSROOM IP MODULE) AND (N) IP CLOCK MOUNTED IN (N) CLOCK/ SPEAKER COMBO BOX. REMOVE

- PLASTIC PLATE. PROVIDE (1) (N) NEW CAT6A DATA DROP. INSTALL J-HOOK ABOVE T-BAR, FISH FROM CEILING TO (E) COMBO BOX. SEE DETAIL SHEET T800. REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER
- MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- | PROVIDE (N) SPEAKER MOUNTED IN (N) SURFACE BACKBOX AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA
- 13 REMOVE (E) CLOCK, AND BLANK OVER AS REQUIRED.
- 14 REMOVE (E) SPEAKER, PROVIDE (N) LAY-IN SPEAKER AND (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP. [15] PROVIDE (N) WALL MOUNTED BACK BOX AND (N) 16" IP CLOCK AND
- (N) PROTECTIVE CAGE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO CLOCK BACKBOX. [16] REMOVE (E) SPEAKER AND BACKBOX, PROVIDE (N) SPEAKER
- MOUNTED IN (N) BACKBOX AND (N) CLASSROOM IP MODULE. REMOVE (E) WIREMOLD DUPLEX BOX, REWORK (E) DATA DROP INTO SPEAKER BACKBOX. [17] REMOVE (E) CLOCK, INSTALL (N) COMBO BOX AT CLOCK LOCATION
- WITH (N) SPEAKER, (N) CLASSROOM IP MODULE, AND (N) CLOCK. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- 18 PROVIDE (N) CONDUIT CLOSELY FOLLOWING ROOF TRUSS. PAINT
- 19 PROVIDE (N) CONDUIT VERTICAL TRANSITION TO/FROM ATTIC ABOVE THEATRICAL RIGGING GRID.
- 20 PROVIDE (N) CONDUIT ACROSS HIGHEST ATTIC ABOVE THEATRICAL RIGGING GRID.
- POUTE VIA ACCESSIBLE CRAWLSPACES BEHIND ARCHITECTURE. FISH FROM ACCESSIBLE SPACE TO SPEAKER LOCATION AS NECESSARY. NO CONDUIT OR WIREMOLD SHALL BE VISIBLE FROM SEATING AREA.
- 22 REPLACE (E) EXTERIOR SPEAKER WITH (N) EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A
- 23 PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. PROVIDE (N) INTERIOR ENCLOSURE WITH (N) CLASSROOM IP MODULE. PROVIDE ONE (1) (N) CAT6A DATA DROP.
- [24] (E) TELECENTER ICS TO BE REMOVED AFTER CUTOVER TO (N) SYSTEM. REMOVE ALL (E) CABLES, 66-BLOCKS, AND CABINET.
- 25 REMOVE (E) TELECENTER ICS INPUT PLATE, PROVIDE (N) TELECENTER U PROGRAM LINE INPUT MODULE AND ONE (1) (N)
- 26 (N) 1 EA. 1" GRC/EMT.

CAT6A DATA DROP.

- 27 RELOCATE (E) DATA DROP NOTED TO NEW LOCATION.
- 28 (N) 1 EA. 2" GRC/EMT. 29 REPLACE (E) OR PROVIDE (N) WALL MOUNTED EXTERIOR BACKBOX AND (N) EXTERIOR SPEAKER. CABLE TO ZONE PAGE AMP IN
- SITE KEY PLAN

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SHEET REVISIONS

contact with these drawings or specifications shall constitute

SACRAMENTO CITY USD HIRAM JOHNSON HS TELE-CENTER **UPGRADE PROJECT**

PROJECT

KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

5433 El Camino Ave. Suite 5

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Regis. No 163629

Carmichael, CA 95608

SACRAMENTO, CA. 95820 SHEET TITLE

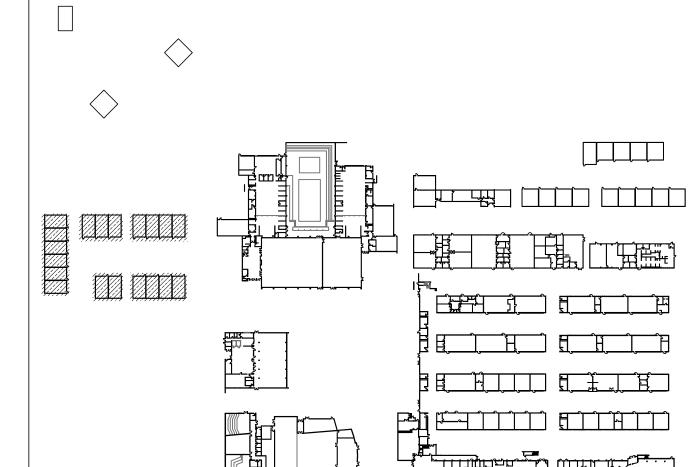
6879 14TH AVE.

TECHNOLOGY FLOOR PLANS - IDF 23, 24, 25 and 26

DRAWING STATUS

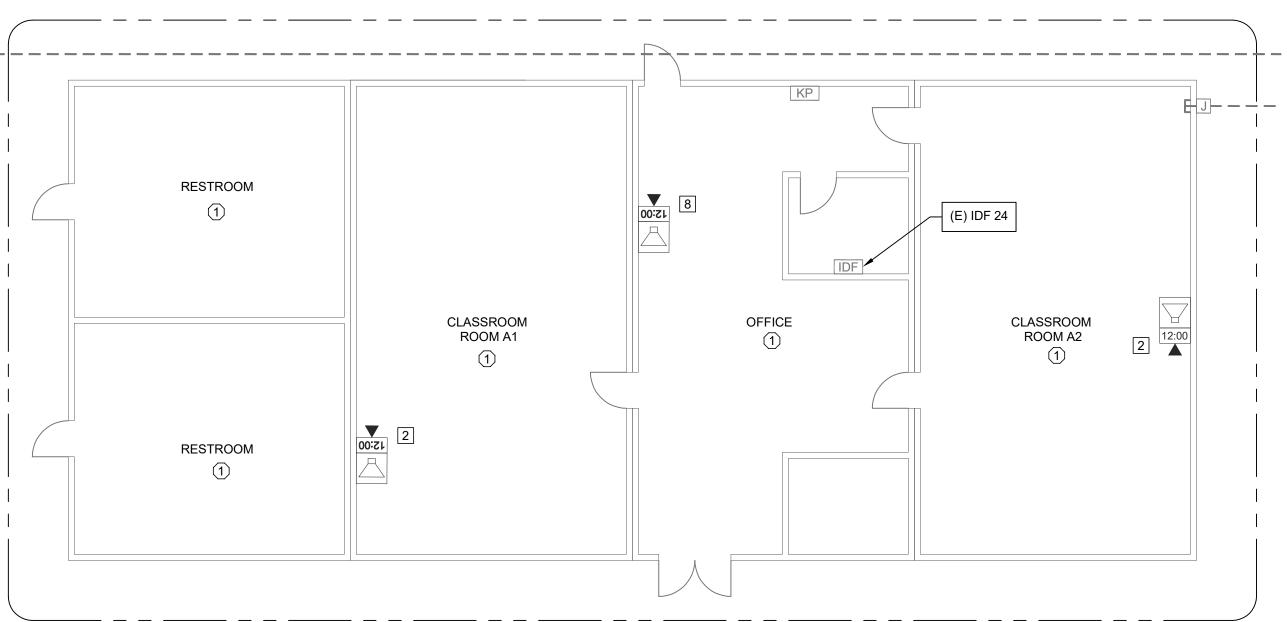
CONSTRUCTION DOCUMENTS



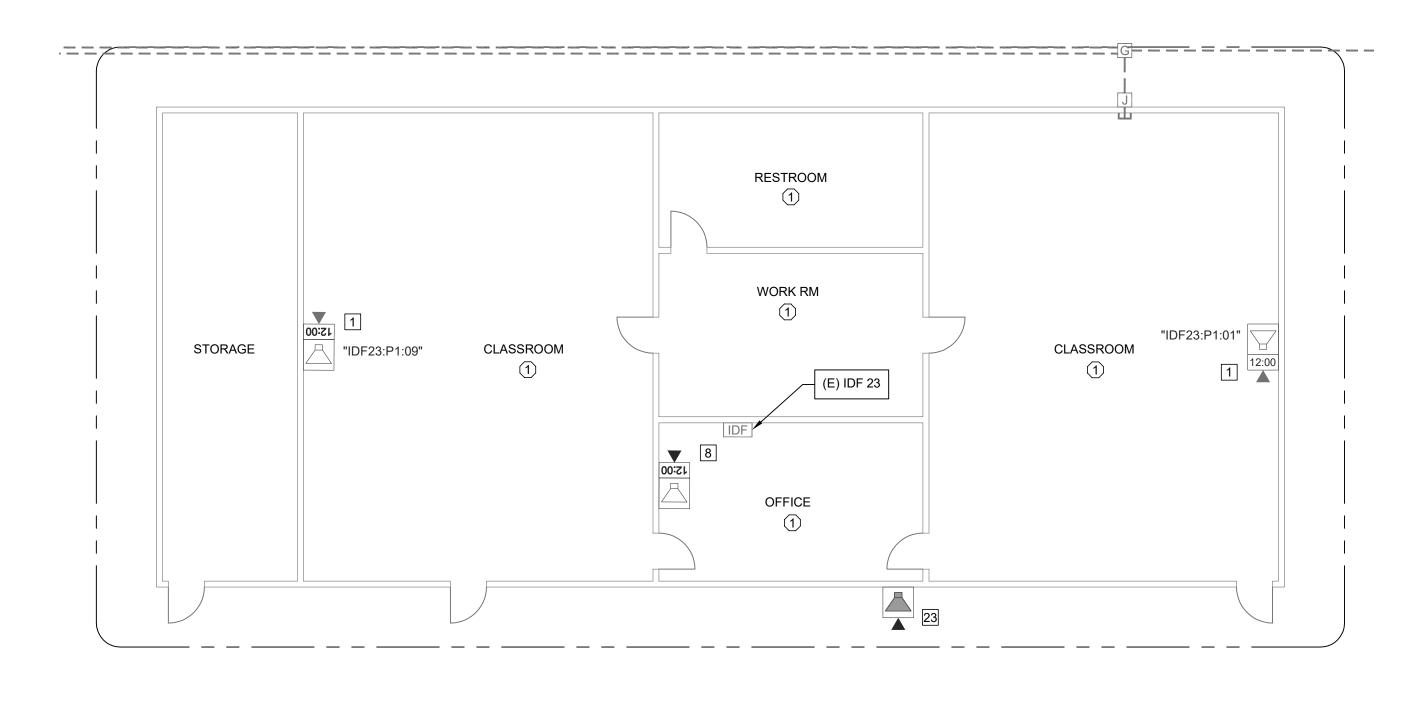




TECHNOLOGY FLOOR PLANS - IDF 25



TECHNOLOGY FLOOR PLANS - IDF 24



TECHNOLOGY FLOOR PLANS - IDF 23

TECHNOLOGY FLOOR PLANS - IDF 26

(E) IDF SCOE

(E) IDF 26

STORAGE

"IDF26:P2:10" 1

OPEN OFFICE

OPEN OFFICE

EXISTING RACK COMPONENTS:

- 1 3U 48 PORT PATCH PANEL.
- (2) 1U 48 PORT SWITCH (22 AVAIL.)
- (3) 1U 24 PORT SWITCH (15 AVAIL.). (4) 1U 24 PORT PATCH PANEL (16 AVAIL.)
- (5) 2U 48 PORT PATCH PANEL (10 AVAIL.)
- (6) 1U 48 PORT SWITCH (9 AVAIL.).

RACK SCOPE OF WORK:

PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH PANEL #1, #4, #5.

- RELOCATE (E) SWITCH #3 DIRECTLY BELOW (E) PATCH PANEL #1.
- RELOCATE (E) PATCH PANEL #4 DIRECTLY BELOW (E) SWITCH #3.
- RELOCATE (E) PATCH PANEL #5 DIRECTLY BELOW (E) SWITCH #2.
- RELOCATE (E) SWITCH #6 DIRECTLY BELOW (E) PATCH PANEL #5.
- PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH SO THAT ALL ACTIVE DROPS ON PATCH PANEL #1 ARE PATCHED TO SWITCH #3. ALL OTHERS, PATCH SO THAT SWITCH PORTS 1-24 ARE CONNECTED TO PATCH PORTS IMMEDIATELY ABOVE THE SWITCH. AND SWITCH PORTS 25-48 CONNECTED TO PATCH PORTS IMMEDIATELY BELOW THE SWITCH.



EXISTING RACK COMPONENTS:

- 1 1U FIBER LIU. 2U 48 PORT CAT6A PATCH PANEL (0 AVAIL.).
- 3 2U CABLE MANAGER.
- (4) 2U 48 PORT CAT6A PATCH PANEL (0 AVAIL.).
- 5) 2U CABLE MANAGER.
- 6 2U 48 PORT CAT6A PATCH PANEL (4 AVAIL.).
- (7) 1U 48 PORT SWITCH (1 AVAIL.).
- (8) 1U 24 PORT SWITCH (0 AVAIL.). (9) 1U 48 PORT SWITCH (0 AVAIL.).
- (10) 4U CCTV SWITCH.

RACK SCOPE OF WORK:

- REMOVE (E) CABLE MANAGER #3 AND #5. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH PANEL #4, #6.
- RELOCATE (E) SWITCH #9 DIRECTLY BELOW (E) PATCH PANEL #2.
- RELOCATE (E) PATCH PANEL #4 DIRECTLY BELOW (E) SWITCH #9. PROVIDE (N) 48 PORT SWITCH, LICENSE, AND ACCESSORIES, CISCO
- P/N C9300L-48PF-4X-EDU, C9300-DNA-E-48-3Y, SFP-H10GB-CU1M, C9300L-STACK-KIT & STACK-T3-3M. RELOCATE (E) PATCH PANEL #6 AND (E) SWITCH #7 AND #8 DIRECTLY
- BELOW (N) SWITCH. PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL
- (E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH AS FOLLOWS: PP 2 PORTS 1-24 TO SWITCH #9 PORTS 1-24.
- PP 4 PORTS 1-24 TO SWITCH #9 PORTS 25-48. PP 4 PORTS 25-48 TO (N) SWITCH PORTS 1-24.
- PP 6 PORTS 1-24 TO (N) SWITCH PORTS 25-48.
- PP 6 PORTS 25-48 TO SWITCH #7 PORTS 1-24. RELOCATE (E) SWITCH #10 UP THREE RACK UNITS.



EXISTING RACK COMPONENTS:

- 1 1U FIBER LIU. (2) 3U CCTV SWITCH.
- (3) 2U 24 PORT SWITCH (0 AVAIL.).
- (4) 2U CABLE MANAGER. (5) 2U 48 PORT PATCH PANEL (23 AVAIL.).
- (6) 1U 48 PORT SWITCH (9 AVAIL.).

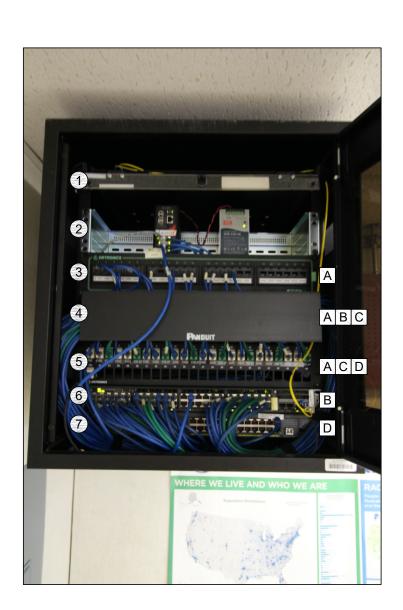
7 1U 24 PORT SWITCH (23 AVAIL.).

RACK SCOPE OF WORK:

- REMOVE (E) CABLE MANAGER #4. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH
- B RELOCATE (E) SWITCH #6 DIRECTLY BELOW (E) PATCH PANEL #3.
- RELOCATE (E) PATCH PANEL #5 DIRECTLY BELOW (E) SWITCH #6.

PATCH PORTS IMMEDIATELY BELOW THE SWITCH.

RELOCATE (E) SWITCH #7 DIRECTLY BELOW (E) PATCH PANEL #5. PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH SO THAT SWITCH PORTS 1-24 ARE CONNECTED TO PATCH PORTS IMMEDIATELY ABOVE THE SWITCH, AND SWITCH PORTS 25-48 CONNECTED TO



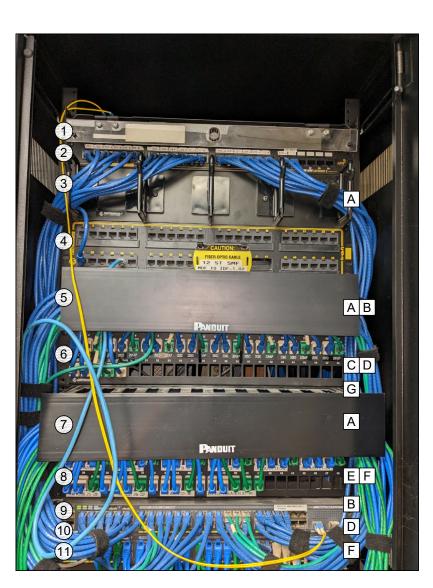
DATA RACK LAYOUT - (E) IDF 12 - CLASSROOM X103 SCALE: NONE

EXISTING RACK COMPONENTS:

- (2) 1U 24 PORT PATCH PANEL (0 AVAIL.).
- 3 2U CABLE MANAGER. (4) 2U 28 PORT PATCH PANEL (0 AVAIL.)
- (5) 2U CABLE MANAGER.
- (6) 2U 48 PORT PATCH PANEL (19 AVAIL.).
- 7) 2U CABLE MANAGER.
- (8) 2U 48 PORT PATCH PANEL (7 AVAIL.).
- (9) 1U 48 PORT SWITCH (2 AVAIL.).
- (10) 1U 48 PORT SWITCH (0 AVAIL.). (11) 1U 48 PORT SWITCH (24 AVAIL.).

RACK SCOPE OF WORK:

- REMOVE (E) CABLE MANAGER #3., #5, AND #7. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH PANEL #2, #4, #6, AND #8.
- B RELOCATE (E) SWITCH #9 DIRECTLY BELOW (E) PATCH PANEL #4. C RELOCATE (E) PATCH PANEL #6 DIRECTLY BELOW (E) SWITCH #9.
- D RELOCATE (E) SWITCH #10 DIRECTLY BELOW (E) PATCH PANEL #6.
- RELOCATE (E) PATCH PANEL #8 DIRECTLY BELOW (E) SWITCH #10. F RELOCATE (E) SWITCH #11 DIRECTLY BELOW (E) PATCH PANEL #8.
- PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH SO THAT SWITCH PORTS 1-24 ARE CONNECTED TO PATCH PORTS IMMEDIATELY ABOVE THE SWITCH, AND SWITCH PORTS 25-48 CONNECTED TO PATCH PORTS IMMEDIATELY BELOW THE SWITCH.



DATA RACK LAYOUT - (E) IDF 02 - CLASSROOM A200 SCALE: NONE

EXISTING RACK COMPONENTS:

- 1 1U FIBER LIU.
- (2) 1U 24 PORT CAT6A PATCH PANEL (0 AVAIL.).
- (3) 2U 48 PORT CAT6A PATCH PANEL (18 AVAIL.).
- (4) 2U 48 PORT CAT6A PATCH PANEL (18 AVAIL.).
- (5) 2U CABLE MANAGER.
- (6) 1U 48 PORT SWITCH (6 AVAIL.).

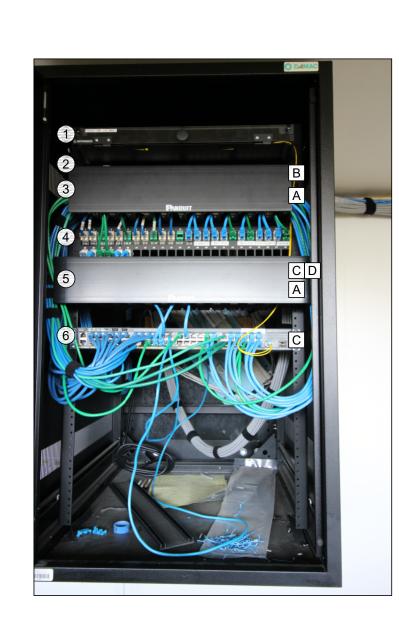
RACK SCOPE OF WORK:

- REMOVE (E) CABLE MANAGER #3 AND #5. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH PANEL #2, #4.
- PROVIDE (N) 48 PORT SWITCH, LICENSE, AND ACCESSORIES, CISCO P/N C9300L-48PF-4X-EDU, C9300-DNA-E-48-3Y, SFP-H10GB-CU1M, C9300L-STACK-KIT & STACK-T3-3M.
- RELOCATE (E) SWITCH #6 DIRECTLY BELOW (E) PATCH PANEL #4.

PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL

(E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH AS FOLLOWS:

- PP 2 PORTS 1-24 TO (N) SWITCH PORTS 1-24. PP 4 PORTS 1-24 TO (N) SWITCH PORTS 25-48. - PP 4 PORTS 25-48 TO SWITCH #6 PORTS 1-24.



DATA RACK LAYOUT - (E) IDF 10 - CLASSROOM S10B OFFICE SCALE: NONE

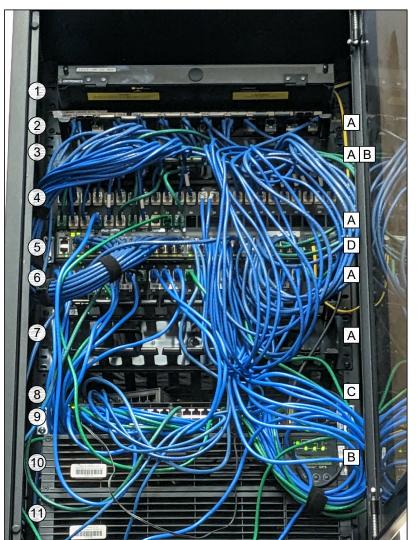
EXISTING RACK COMPONENTS:

- (1) 1U FIBER LIU
- (2) 1U 24 PORT CAT6A PATCH PANEL (0 AVAIL.).
- 3 2U CABLE MANAGER.
- (6) 2U 48 PORT CAT6A PATCH PANEL (24 AVAIL.).
- 7 2U CABLE MANAGER.
- (9) 1U 48 PORT SWITCH (12 AVAIL.).
- (10) 2U UPS.

(11) 2U BATTERY.

RACK SCOPE OF WORK:

- MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH
- PP 2 PORTS 1-24 TO SWITCH #9 PORTS 1-24. - PP 4 PORTS 1-24 TO SWITCH #9 PORTS 25-48.
- PP 6 PORTS 1-24 TO SWITCH #5 PORTS 25-48.



DATA RACK LAYOUT - (E) IDF 01 - LIBRARY
SCALE: NONE

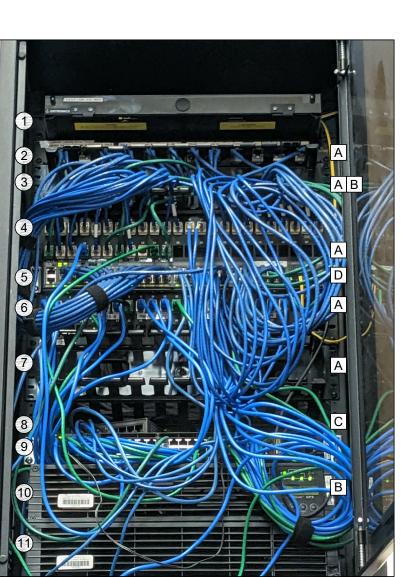
- 1U 48 PORT SWITCH (0 AVAIL.)
- 8 NON-RACKED DEVICE.

- B RELOCATE (E) SWITCH #9 DIRECTLY BELOW (E) PATCH PANEL #2. PROVIDE (N) 1U UNIVERSAL RACK SHELF TO MOUNT COMPONENT #8
- PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH AS FOLLOWS:



- (4) 2U 48 PORT CAT6A PATCH PANEL (13 AVAIL.).

- REMOVE (E) CABLE MANAGER #3 AND #7. PROVIDE (N) REAR CABLE
- PP 4 PORTS 25-48 TO SWITCH #5 PORTS 1-24.



DATA RACK LAYOUT - (E) MDF - ROOM S05 SCALE: NONE

EXISTING RACK COMPONENTS:

- 1 1U FIBER LIU.
- 2 2U CABLE MANAGER.
- (3) 2U 48 PORT CAT6A PATCH PANEL (7 AVAIL.).
- 10 48 PORT SWITCH (1 AVAIL.).
- (5) 2U CABLE MANAGER.
- (6) 2U 48 PORT CAT6A PATCH PANEL (10 AVAIL.).

- 7) 2U CABLE MANAGER.
- 8) 1U 48 PORT SWITCH (4 AVAIL.). 9 2U 48 PORT CAT6A PATCH PANEL (0 AVAIL.).

RACK SCOPE OF WORK:

- REMOVE (E) CABLE MANAGER #2 AND #5 AND #7. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH PANEL #3, #6, #9.
- B PROVIDE (N) 48 PORT SWITCH, LICENSE, AND ACCESSORIES, CISCO P/N C9300L-48PF-4X-EDU, C9300-DNA-E-48-3Y, SFP-H10GB-CU1M, C9300L-STACK-KIT & STACK-T3-3M.
- RELOCATE (E) SWITCH #4 DIRECTLY BELOW (E) PATCH PANEL #3. RELOCATE (E) PATCH PANEL #6 DIRECTLY BELOW SWITCH #4.
- RELOCATE (E) SWITCH #8 AND PATCH PANEL #9 DIRECTLY BELOW (E) PATCH PANEL #6.
- F PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH AS FOLLOWS:
- PP 3 PORTS 1-48 TO (N) SWITCH PORTS 1-48. PP 6 PORTS 1-48 TO SWITCH #4 PORTS 1-48 PP 8 PORTS 1-48 TO SWITCH #8 PORTS 1-48.



DATA RACK LAYOUT - (E) IDF 09 - CLASSROOM F05 SCALE: NONE

EXISTING RACK COMPONENTS: 1) 4U FIBER LIU. 2) 3U FIBER LIU.

SINGLE LINE GENERAL NOTES:

1.1. (E) MDF

APPLICABLE TO ALL MDF/IDF CABINETS/RACKS LISTED BELOW

PROVIDE (N) UNTERRUPTABLE POWER SUPPLY, N1C P/N N1C.L1500.

FOR INTERCOM HEAD END EQUIPMENT. MOUNT DIRECTLY ABOVE (E)

PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C P/N N1C.L1000. MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK

2.1. (E) IDF 1.02, IDF 1.03, IDF 1.06, IDF 1.07, IDF 1.09, IDF 1.10, IDF 1.13,

PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C P/N N1C.L1500.

MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK

PROVIDE (N) SLIMLINE CAT6A PATCH CABLES WITH A MAXIMUM 12"

OF SLACK FOR ALL (N) DROPS IN ANY IDF WHERE A DETAILED SCOPE

IDF 1.14, IDF1.14B, IDF 1.18, IDF 1.19, IDF 1.21, IDF 1.22, IDF 1.23,

COMPONENTS SO THAT IT IS PROTECTED BY UPS:

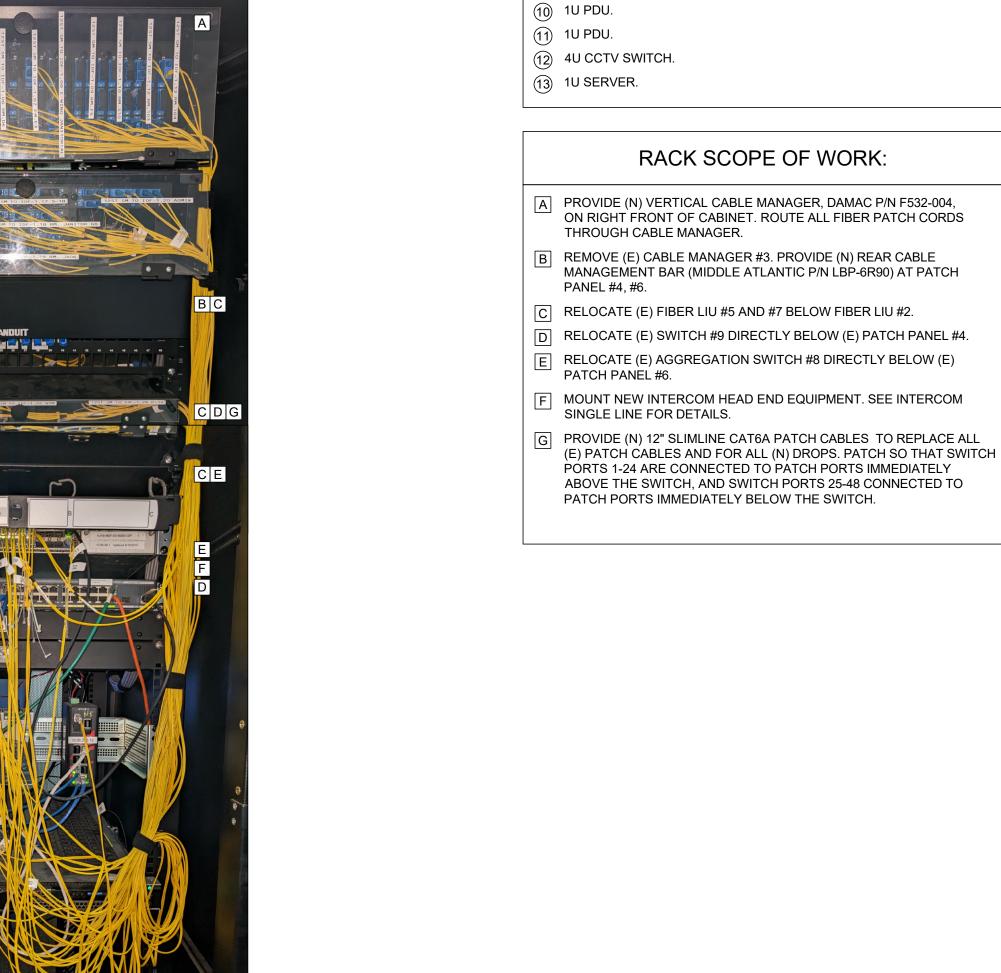
COMPONENTS SO THAT IT IS PROTECTED BY UPS:

IDF 1.24, IDF 1.25, IDF 1.26

HAS NOT BEEN PROVIDED.

3.1. (E) IDF 1.04, IDF 1.05, IDF 1.08, IDF 1.17

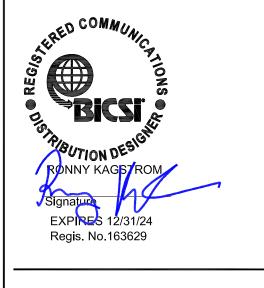
- 3 2U CABLE MANAGER. (4) 2U 48 PORT CAT6A PATCH PANEL (32 AVAIL.).
- (6) 1U 24 PORT CAT6A PATCH PANEL (14 AVAIL.)
- (8) 1U AGGREGATION SWITCH.
- (9) 1U 48 PORT SWITCH (22 AVAIL.).
- (10) 1U PDU.
- PROVIDE (N) VERTICAL CABLE MANAGER, DAMAC P/N F532-004, ON RIGHT FRONT OF CABINET. ROUTE ALL FIBER PATCH CORDS
- REMOVE (E) CABLE MANAGER #3. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH
- RELOCATE (E) FIBER LIU #5 AND #7 BELOW FIBER LIU #2. RELOCATE (E) SWITCH #9 DIRECTLY BELOW (E) PATCH PANEL #4.
- MOUNT NEW INTERCOM HEAD END EQUIPMENT. SEE INTERCOM SINGLE LINE FOR DETAILS. PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL



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SHEET REVISIONS DESCRIPTION

SITE KEY PLAN

PROJECT SACRAMENTO CITY USD HIRAM JOHNSON HS

TELE-CENTER

UPGRADE PROJECT

6879 14TH AVE. SACRAMENTO, CA. 95820

TECHNOLOGY SINGLE LINE DIAGRAMS

SHEET TITLE

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO: 0520-464 BID PACKAGE **DESIGNED BY:** CHECKED BY: ISSUE DATE: 2023-05-31 2023-05-31 WORKING DATE:

REVISION

DATA RACK LAYOUT - (E) IDF 05 - JANITOR "C"
SCALE: NONE

Г400

EXISTING RACK COMPONENTS:

- (1) 1U FIBER LIU.
- (2) 1U FIBER LIU.
- (3) 1U FIBER LIU.
- (4) 1U FIBER LIU. (5) 3U AGGREGATION SWITCH.
- (6) 1U 24 PORT CAT6A PATCH PANEL (0 AVAIL.).
- 7 1U 48 PORT SWITCH (0 AVAIL.). (8) 2U 48 PORT CAT6A PATCH PANEL (0 AVAIL.).
- (9) 1U 48 PORT SWITCH (0 AVAIL.).
- (10) 2U 48 PORT CAT6A PATCH PANEL (0 AVAIL.).
- (11) 2U CABLE MANAGER.
- (12) 1U 48 PORT SWITCH (0 AVAIL.).
- (13) 2U 48 PORT CAT6A PATCH PANEL (0 AVAIL.).
- (14) 2U CABLE MANAGER.
- (15) 1U 48 PORT SWITCH (0 AVAIL.).
- (16) 2U 28 PORT CAT6A PATCH PANEL (8 AVAIL.). (17) 2U CABLE MANAGER.

RACK SCOPE OF WORK:

- PROVIDE (N) VERTICAL CABLE MANAGER, DAMAC P/N F532-004, ON LEFT FRONT OF CABINET. ROUTE ALL FIBER PATCH CORDS THROUGH CABLE MANAGER.
- REMOVE (E) CABLE MANAGER #11. #14. AND #17. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH PANEL #10, #13, AND #15.
- RELOCATE (E) SWITCH #12 DIRECTLY BELOW (E) PATCH PANEL #10. RELOCATE (E) PATCH PANEL #13 DIRECTLY BELOW SWITCH #12.
- RELOCATE (E) SWITCH #15 DIRECTLY BELOW PATCH PANEL #13. F RELOCATE (E) PATCH PANEL #16 DIRECTLY BELOW SWITCH #15.
- PROVIDE (N) 48 PORT SWITCH, LICENSE, AND ACCESSORIES, CISCO P/N C9300L-48PF-4X-EDU, C9300-DNA-E-48-3Y, SFP-H10GB-CU1M, C9300L-STACK-KIT & STACK-T3-3M.
- PROVIDE (N) 48 PORT PATCH PANEL, ORTRONICS P/N OR-SPKSU48 WITH (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90).
- PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH SO THAT SWITCH PORTS 1-24 ARE CONNECTED TO PATCH PORTS IMMEDIATELY ABOVE THE SWITCH, AND SWITCH PORTS 25-48 CONNECTED TO PATCH PORTS IMMEDIATELY BELOW THE SWITCH.

SINGLE LINE GENERAL NOTES: APPLICABLE TO ALL MDF/IDF CABINETS/RACKS LISTED BELOW

- PROVIDE (N) UNTERRUPTABLE POWER SUPPLY, N1C P/N N1C.L1500, FOR INTERCOM HEAD END EQUIPMENT. MOUNT DIRECTLY ABOVE (E) UPS UNITS: 1.1. (E) MDF
- PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C P/N N1C.L1000. MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY UPS: 2.1. (E) IDF 1.02, IDF 1.03, IDF 1.06, IDF 1.07, IDF 1.09, IDF 1.10, IDF 1.13,
- IDF 1.24, IDF 1.25, IDF 1.26 PROVIDE (N) UNINTERRUPTIBLE POWER SUPPLY, N1C P/N N1C.L1500. MOUNT AT BOTTOM OF CABINET. ROUTE POWER FOR ALL RACK COMPONENTS SO THAT IT IS PROTECTED BY UPS:

IDF 1.14, IDF1.14B, IDF 1.18, IDF 1.19, IDF 1.21, IDF 1.22, IDF 1.23,

4. PROVIDE (N) SLIMLINE CAT6A PATCH CABLES WITH A MAXIMUM 12" OF SLACK FOR ALL (N) DROPS IN ANY IDF WHERE A DETAILED SCOPE HAS NOT BEEN PROVIDED.

3.1. (E) IDF 1.04, IDF 1.05, IDF 1.08, IDF 1.17



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SHEET REVISIONS DELTA DESCRIPTION

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD

HIRAM JOHNSON HS

TELE-CENTER

UPGRADE PROJECT

6879 14TH AVE.

SACRAMENTO, CA. 95820

SHEET TITLE

TECHNOLOGY

SINGLE LINE DIAGRAMS

DRAWING STATUS

CONSTRUCTION DOCUMENTS

RACK SCOPE OF WORK:

- LABEL AND PATCH TO (E) CCTV SWITCH #5.
- (E) PATCH CABLES AND FOR ALL (N) DROPS.

EXISTING RACK COMPONENTS:

1 1U FIBER LIU.

(5) 1U CCTV SWITCH.

(2) 2U 24 PORT PATCH PANEL (0 AVAIL.). (3) 2U 24 PORT PATCH PANEL (0 AVAIL.).

(4) 2U 48 PORT PATCH PANEL (24 AVAIL.).

(6) 1U 48 PORT SWITCH (4 AVAIL.).

- REMOVE (E) CABLE MANAGER #3. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH
- B RELOCATE (E) PATCH PANEL #4 DIRECTLY BELOW (E) SWITCH #2. LAND (E) CCTV DATA DROPS IN KEYSTONES IN (E) PATCH PANEL.
- LAND (E) CCTV DATA DROPS IN KEYSTONES IN (E) PATCH PANEL. LABEL AND PATCH TO (E) CCTV SWITCH #5.
- PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL

DATA RACK LAYOUT - (E) IDF 17 - RECEIVING S1A OFFICE SCALE: NONE



EXISTING RACK COMPONENTS:

2U 48 PORT CAT6A PATCH PANEL (0 AVAIL.).

(4) 2U 48 PORT CAT6A PATCH PANEL (18 AVAIL.).

(3) 1U 48 PORT SWITCH (26 AVAIL.).

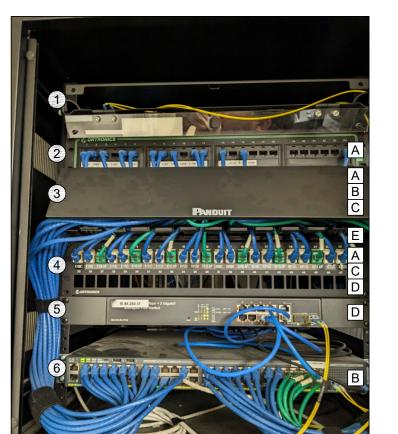
6) 1U 48 PORT SWITCH (0 AVAIL.).

(7) 1U 48 PORT SWITCH (7 AVAIL.).

(5) 2U CABLE MANAGER.

- A REMOVE (E) CABLE MANAGER #5. PROVIDE (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH
- B RELOCATE (E) SWITCH #6 DIRECTLY BELOW (E) PATCH PANEL #4. PROVIDE (N) 24 PORT PATCH PANEL, ORTRONICS P/N OR-SPKSU24
- WITH (N) REAR CABLE MANAGEMENT BAR (MIDDLE ATLANTIC P/N D LAND (E) WHITE CAT6A CABLES ON KEYSTONES AND MOUNT IN (N)
 - PATCH PANEL. PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL (E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH AS FOLLOWS:
 - PP 2 PORTS 1-35 TO SWITCH #3 PORTS 1-35. PP 4 PORTS 1-48 TO SWITCH #6 PORTS 1-48. (N) PP PORTS 1-24 TO SWITCH #7 PORTS 1-24.





DATA RACK LAYOUT - (E) IDF 14A - CLASSROOM X117
SCALE: NONE

PROJECT NO:

0520-464 **BID PACKAGE: DESIGNED BY:** CHECKED BY: 2023-05-31 ISSUE DATE: **WORKING DATE:** 2023-05-31 REVISION

T401

DATA RACK LAYOUT - (E) IDF 18 - GYM
SCALE: NONE

DATA RACK LAYOUT - (E) IDF 20 - MAIN OFFICE SCALE: NONE

1 1U FIBER LIU.

(3) 2U CABLE MANAGER.

(6) 1U CCTV SWITCH.

(5) 1U 24 PORT SWITCH (2 AVAIL.).

(7) 1U 48 PORT SWITCH (27 AVAIL.).

RACK UNIT HIGHER.

EXISTING RACK COMPONENTS:

RACK SCOPE OF WORK:

MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH

B RELOCATE (E) SWITCH #7 DIRECTLY BELOW (E) PATCH PANEL #2.

RELOCATE (E) PATCH PANEL #4, SWITCH #5, AND SWITCH #6 ONE

PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL

(E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH AS FOLLOWS:

PROVIDE (N) ZONE PAGE AMPLIFIER, RAULAND P/N TCC3022, WITH (N)

- PP 2 PORTS 1-24 TO SWITCH #7 PORTS 1-24.

PP 4 PORTS 1-24 TO SWITCH #7 PORTS 25-48.

PP 4 PORTS 25-48 TO SWITCH #5 PORTS 1-24.

EXTERNAL POWER SUPPLY, RAULAND P/N TCC3022PS.

REMOVE (E) CABLE MANAGER #3. PROVIDE (N) REAR CABLE

(2) 1U 24 PORT CAT6A PATCH PANEL (0 AVAIL.).

(4) 2U 48 PORT CAT6A PATCH PANEL (18 AVAIL.).

EXISTING RACK COMPONENTS:

RACK SCOPE OF WORK:

REMOVE (E) CABLE MANAGER #2 AND #3. PROVIDE (N) REAR CABLE

MANAGEMENT BAR (MIDDLE ATLANTIC P/N LBP-6R90) AT PATCH

PROVIDE (N) 12" SLIMLINE CAT6A PATCH CABLES TO REPLACE ALL

(E) PATCH CABLES AND FOR ALL (N) DROPS. PATCH AS FOLLOWS:

B RELOCATE (E) SWITCH #6 DIRECTLY BELOW (E) PATCH PANEL #2.

RELOCATE (E) PATCH PANEL #5 DIRECTLY BELOW SWITCH #6.

RELOCATE (E) SWITCH #7 DIRECTLY BELOW PATCH PANEL #5.

- PP 2 PORTS 1-7 TO SWITCH #6 PORTS 1-7.

PP 5 PORTS 1-24 TO SWITCH #6 PORTS 25-48.

PP 5 PORTS 25-48 TO SWITCH #7 PORTS 1-24.

(2) 1U 24 PORT CAT6A PATCH PANEL (0 AVAIL.).

(5) 2U 48 PORT CAT6A PATCH PANEL (6 AVAIL.).

1 1U FIBER LIU.

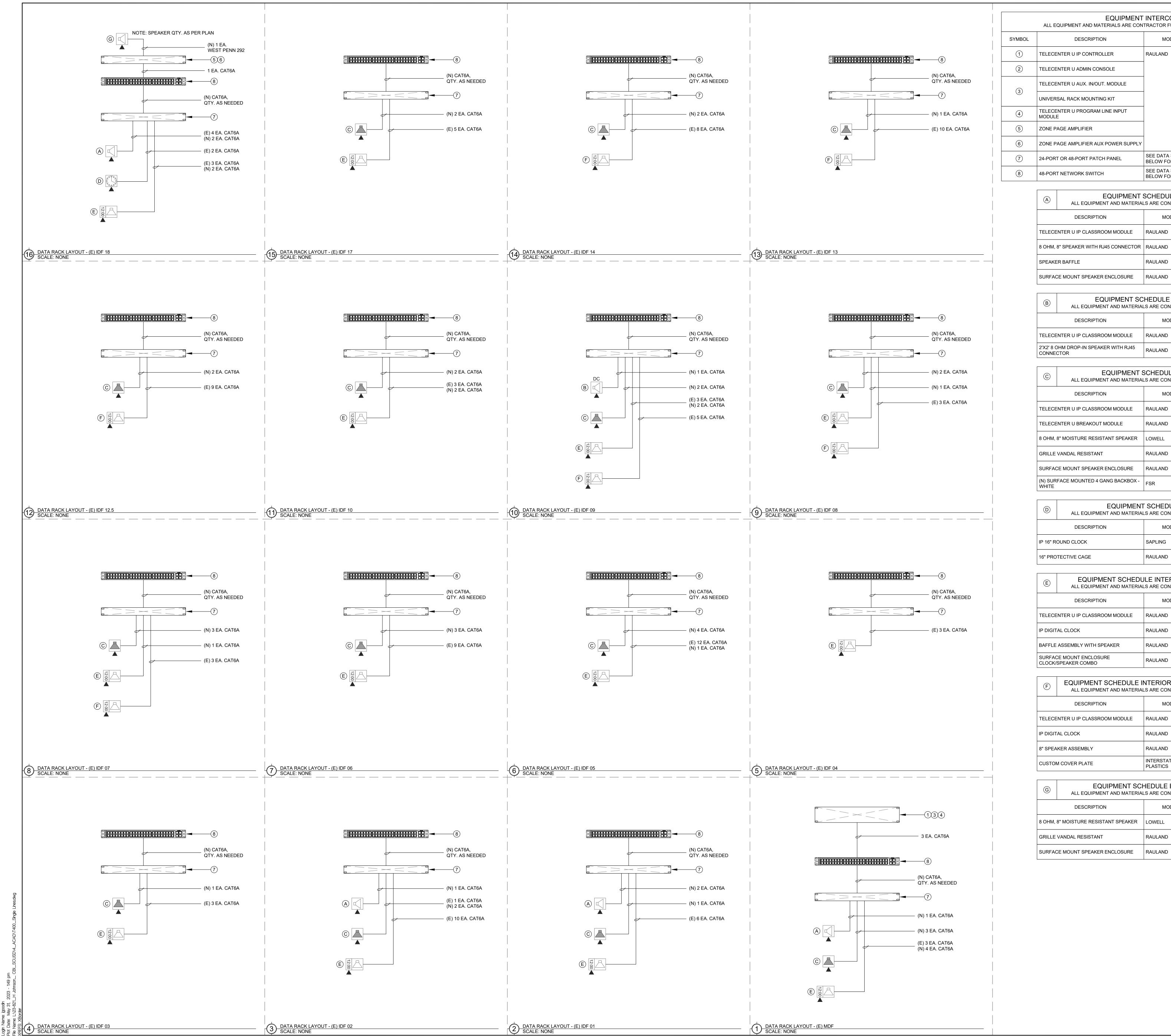
DATA RACK LAYOUT - (E) IDF 19 - THEATER SCALE: NONE

3 2U CABLE MANAGER.

(4) 2U CABLE MANAGER.

(6) 1U 48 PORT SWITCH (6 AVAIL.).

7) 1U 24 PORT SWITCH (0 AVAIL.).



	ALL EQUIPMENT AND MATERIALS ARE CON	THE CONTROLLED,	INSTALLED AND CONTR	
SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
1	TELECENTER U IP CONTROLLER	RAULAND	TCC2000	N/A
2	TELECENTER U ADMIN CONSOLE		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
(5)	ZONE PAGE AMPLIFIER		TCC3022	N/A
6	ZONE PAGE AMPLIFIER AUX POWER SUPPLY		TCC3022PS	N/A
7	24-PORT OR 48-PORT PATCH PANEL	SEE DATA SINGLE LINE RACK COMPONENTS BELOW FOR MORE INFORMATION.		(N) OR (E) AS NOTED
<u> </u>	48 DODT NETWORK SWITCH	SEE DATA SINGLE LIN	E RACK COMPONENTS	(N) OR (E) AS NOTED

DESCRIPTION

	EQUIPMENT INTERCOM SCHEDULE: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)						
BOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES			
)	TELECENTER U IP CONTROLLER	RAULAND	TCC2000	N/A			
)	TELECENTER U ADMIN CONSOLE		TCC2045	N/A			
`	TELECENTER U AUX. IN/OUT. MODULE		TCC2033	N/A			
)	UNIVERSAL RACK MOUNTING KIT		TCC2099	N/A			
)	TELECENTER U PROGRAM LINE INPUT MODULE		TCC2055	N/A			
)	ZONE PAGE AMPLIFIER		TCC3022	N/A			
)	ZONE PAGE AMPLIFIER AUX POWER SUPPLY		TCC3022PS	N/A			
)	24-PORT OR 48-PORT PATCH PANEL	SEE DATA SINGLE LINE RACK COMPONENTS BELOW FOR MORE INFORMATION.		(N) OR (E) AS NOTED			
)	48-PORT NETWORK SWITCH	SEE DATA SINGLE LINI BELOW FOR MORE INF		(N) OR (E) AS NOTED			

EQUIPMENT SCHEDULE INTERIOR SURFACE SPEAKER: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

NUMBER

TCC2011A

US0880

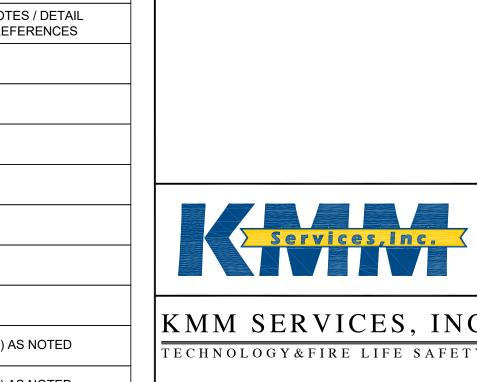
ACC1003

ACC1112

MODEL

RAULAND

RAULAND



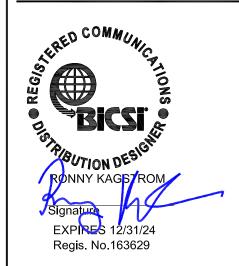
NOTES / DETAIL

REFERENCES

MOUNT INSIDE ENCLOSURE

KMM SERVICES, INC

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SHEET REVISIONS

SITE KEY PLAN

EQUIPMENT SCHEDULE INTERIOR DROP CEILING SPEAKER: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO) NOTES / DETAIL MODEL DESCRIPTION NUMBER REFERENCES MOUNT TO SPEAKER TELECENTER U IP CLASSROOM MODULE 2'X2' 8 OHM DROP-IN SPEAKER WITH RJ45 BAFKIT2X2L8RJ

	1					
©	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	TCC2011A	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) SUR WHITE	RFACE MOUNTED 4 GANG BACKBOX -	FSR	SMWB-4G-WHT	MOUNT INSIDE BUILDING		

	© EQUIPMENT SCHEDULE INTERIOR SURFACE CLOCK: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
	DESCRIPTION IP 16" ROUND CLOCK		MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
			SAPLING	SAP-4BS-16R	N/A
	16" PROTECTIVE CAGE		RAULAND	WCANA16WG	N/A

EQUIPMENT SCHEDULE INTERIOR SURFACE CLOCK/SPEAKER COAL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGU					
	IP DIGITAL CLOCK		MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
			RAULAND	TCC2011A	MOUNT IN ENCLOSURE
			RAULAND	TCC3011S	N/A
			RAULAND	ACC3011S	N/A
		CE MOUNT ENCLOSURE SPEAKER COMBO	RAULAND	ACC3011SBB	N/A

	F		INTERIOR RETROFIT BAFFLE CLOCK/SPEAKER COMBO: ALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)			
		DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES	
	IP DIGITAL CLOCK 8" SPEAKER ASSEMBLY		RAULAND	TCC2011A	MOUNT IN (E) BACKBOX	
			RAULAND	TCC3011S	MOUNT TO (E) BAFFLE	
			RAULAND	USO880	MOUNT TO (E) BAFFLE	
			INTERSTATE	N1/A	OFF DETAIL OUFFT TOO	

	8" SPEAKER ASSEMBLY		RAULAND	USO880	MOUNT TO (E) BAFFLE
	CUSTOM COVER PLATE		INTERSTATE PLASTICS	N/A	SEE DETAIL SHEET T800
•					
	© EQUIPMENT SCHEDULE EXTERIOR SURFACE SPEAKER (25V): ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				` ,
	DESCRIPTION		MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
	8 OHM, 8" MOISTURE RESISTANT SPEAKER		LOWELL	8C10MRB-T72	N/A

•					
© EQUIPMENT SCHEDULE EXTERIOR SURFACE SPEAKER (25V): ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)					TELE-CENTER UPGRADE PROJECT
	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES	6879 14TH AVE. SACRAMENTO, CA. 95820
8 OHM	I, 8" MOISTURE RESISTANT SPEAKER	LOWELL	8C10MRB-T72	N/A	SHEET TITLE
GRILLE VANDAL RESISTANT		RAULAND	ACC1012	N/A	TECHNOLOGY
SURFA	ACE MOUNT SPEAKER ENCLOSURE	RAULAND	ACC1113	N/A	SINGLE LINE DIAGRAMS

SACRAMENTO CITY USD HIRAM JOHNSON HS NTER PROJECT AVE.), CA. 95820

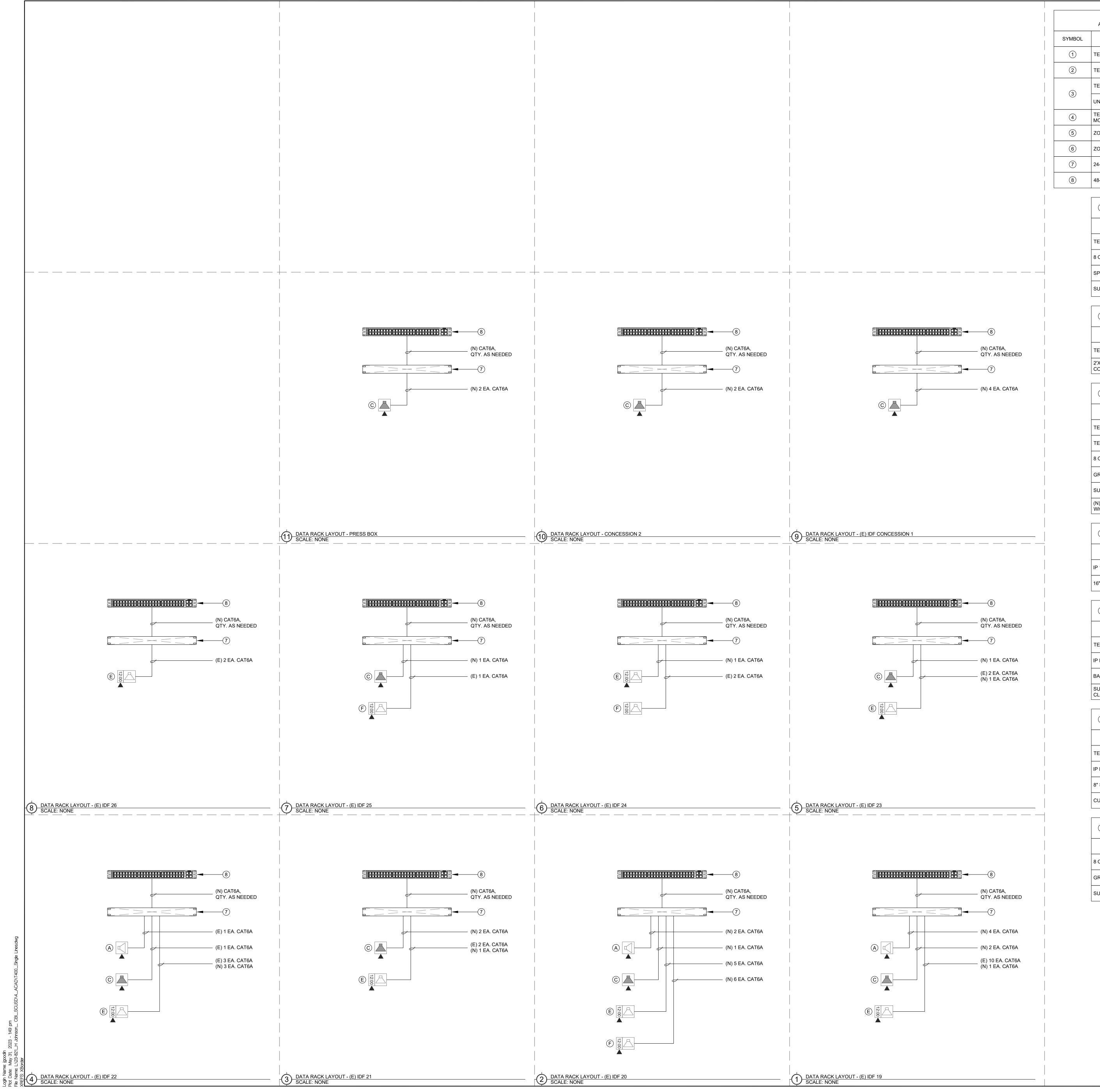
PROJECT

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO:	0520-464
BID PACKAGE:	TBD
DESIGNED BY:	CS
CHECKED BY:	JG
ISSUE DATE:	2023-05-31
WORKING DATE:	2023-05-31

REVISION



	EQUIPMENT ALL EQUIPMENT AND MATERIALS ARE CON	INTERCOM SCHE		GURED (UNO)
SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
1	TELECENTER U IP CONTROLLER	RAULAND	TCC2000	N/A
2	TELECENTER U ADMIN CONSOLE		TCC2045	N/A
	TELECENTER U AUX. IN/OUT. MODULE		TCC2033	N/A
3	UNIVERSAL RACK MOUNTING KIT		TCC2099	N/A
4	TELECENTER U PROGRAM LINE INPUT MODULE		TCC2055	N/A
(5)	ZONE PAGE AMPLIFIER		TCC3022	N/A
6	ZONE PAGE AMPLIFIER AUX POWER SUPPLY		TCC3022PS	N/A
7	24-PORT OR 48-PORT PATCH PANEL	SEE DATA SINGLE LINE RACK COMPONENTS BELOW FOR MORE INFORMATION. SEE DATA SINGLE LINE RACK COMPONENTS BELOW FOR MORE INFORMATION.		(N) OR (E) AS NOTED
8	48-PORT NETWORK SWITCH			(N) OR (E) AS NOTED

	A EQUIPMENT SCHEDULE INTERIOR SURFACE SPEAKER: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
			MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
			RAULAND	TCC2011A	MOUNT INSIDE ENCLOSURE
			RAULAND	US0880	N/A
	SPEAKER BAFFLE		RAULAND	ACC1003	N/A
	SURFACE MOUNT SPEAKER ENCLOSURE		RAULAND	ACC1112	N/A

	B	EQUIPMENT SCHEDULE INTERIOR DROP CEILING SPEAKER: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UN								
		DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES					
	TELECENTER U IP CLASSROOM MODULE		NTER U IP CLASSROOM MODULE RAULAND		MOUNT TO SPEAKER					
2'X2' 8 CONNE		OHM DROP-IN SPEAKER WITH RJ45 CTOR	RAULAND	BAFKIT2X2L8RJ	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				
TELECE	NTER U IP CLASSROOM MODULE	RAULAND	TCC2011A	MOUNT INSIDE BUILDING				
TELECE	NTER 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				
SURFAC	CE MOUNT SPEAKER ENCLOSURE	RAULAND	ACC1113	N/A				
(N) SUR WHITE	ACE MOUNTED 4 GANG BACKBOX - FSR SMWB-4G-WH		SMWB-4G-WHT	MOUNT INSIDE BUILDING				

(D)	EQUIPMENT SCHEDULE INTERIOR SURFACE CLOCK: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO							
	DESCRIPTION	MODEL	NOTES / DETAIL REFERENCES					
IP 16" R	OUND CLOCK SAPLING		SAP-4BS-16R	N/A				
16" PRO	TECTIVE CAGE	RAULAND	WCANA16WG	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				
TELECE	NTER U IP CLASSROOM MODULE	RAULAND TCC2011A		MOUNT IN ENCLOSURE				
IP DIGIT	AL CLOCK	RAULAND	TCC3011S	N/A				
BAFFLE	ASSEMBLY WITH SPEAKER	RAULAND	ACC3011S	N/A				
	CE MOUNT ENCLOSURE SPEAKER COMBO	RAULAND ACC3011SBB		N/A				

	EQUIPMENT SCHEDULE INTERIOR RETROFIT BAFFLE CLOCK/SPEAKER COMB ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)								
		DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES				
	TELECENTER U IP CLASSROOM MODULE IP DIGITAL CLOCK 8" SPEAKER ASSEMBLY		SROOM MODULE RAULAND TCC2011A		MOUNT IN (E) BACKBOX				
			RAULAND	TCC3011S	MOUNT TO (E) BAFFLE				
			RAULAND	USO880	MOUNT TO (E) BAFFLE				
	CUSTON	I COVER PLATE	INTERSTATE PLASTICS	N/A	SEE DETAIL SHEET T800				

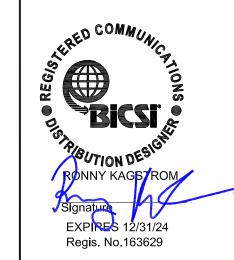
G	EQUIPMENT SCHEDULE EXTERIOR SURFACE SPEAKER (25V): ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)							
	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES				
8 OHM,	8" MOISTURE RESISTANT SPEAKER	URE RESISTANT SPEAKER LOWELL 8C10MRB-T		N/A				
GRILLE	VANDAL RESISTANT	RAULAND	ACC1012	N/A				
SURFAC	CE MOUNT SPEAKER ENCLOSURE	E RAULAND ACC1113		N/A				



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SHEET REVISIONS

SITE KEY PLAN

PROJECT
SACRAMENTO CITY USD
HIRAM JOHNSON HS
TELE-CENTER

OF THE TENTER UPGRADE PROJECT 6879 14TH AVE.

SACRAMENTO, CA. 95820

SHEET TITLE
TECHNOLOGY

SINGLE LINE DIAGRAMS

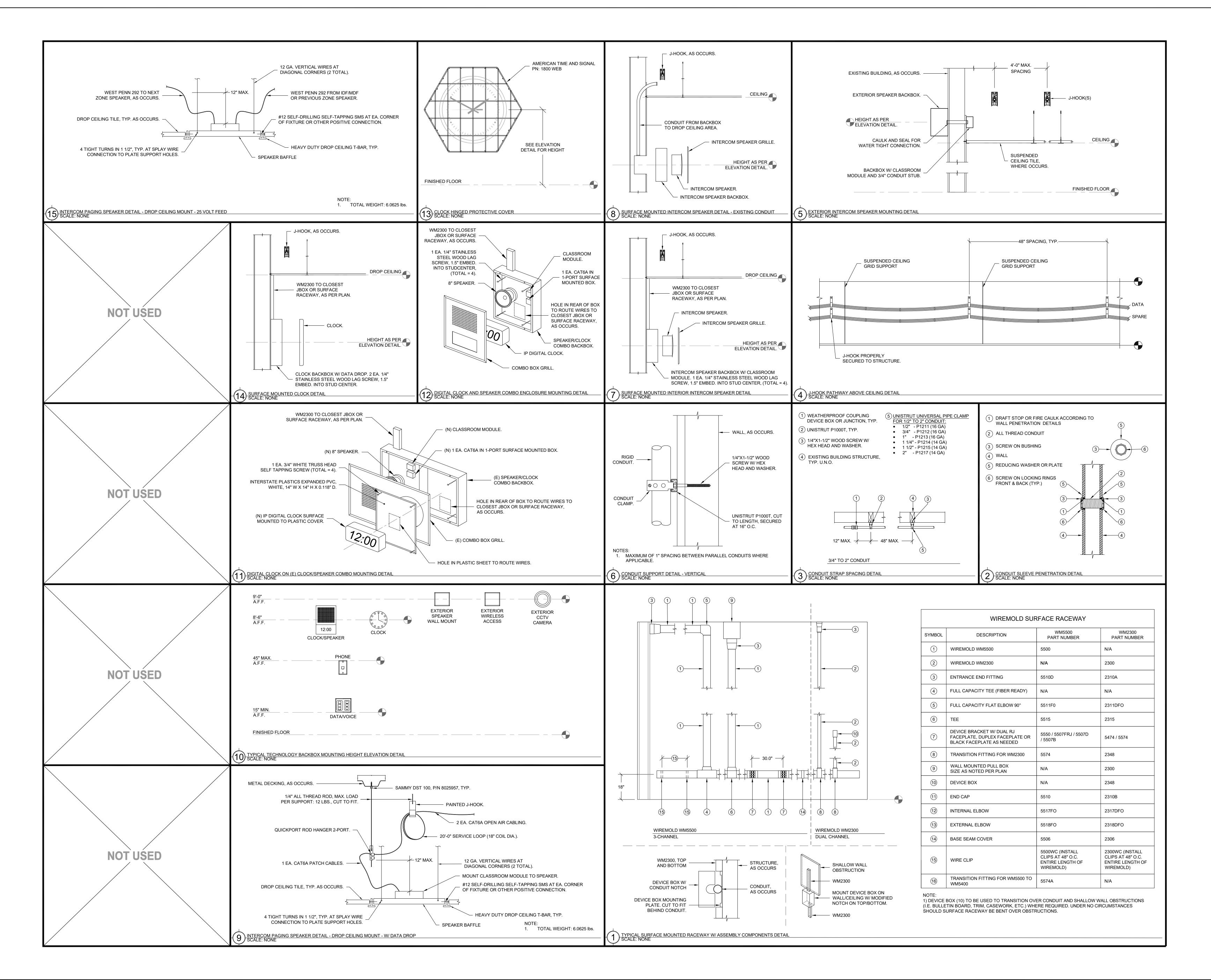
DRAWING STATUS

CONSTRUCTION DOCUMENTS

JECT NO: 05

PROJECT NO:	0520-464
BID PACKAGE:	TBD
DESIGNED BY:	CS
CHECKED BY:	JG
ISSUE DATE:	2023-05-31
WORKING DATE:	2023-05-31

REVISION



KMM SERVICES, INC

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DESCRIPTION

DELTA

SHEET REVISIONS

SITE KEY PLAN

PROJECT
SACRAMENTO CITY USD
HIRAM JOHNSON HS

TELE-CENTER
UPGRADE PROJECT
6879 14TH AVE.
SACRAMENTO. CA. 95820

SHEET TITLE
TECHNOLOGY

DETAILS

CONSTRUCTION DOCUMENTS

PROJECT NO: 0520-464

DRAWING STATUS

PROJECT NO: 0520-464

BID PACKAGE: TBD

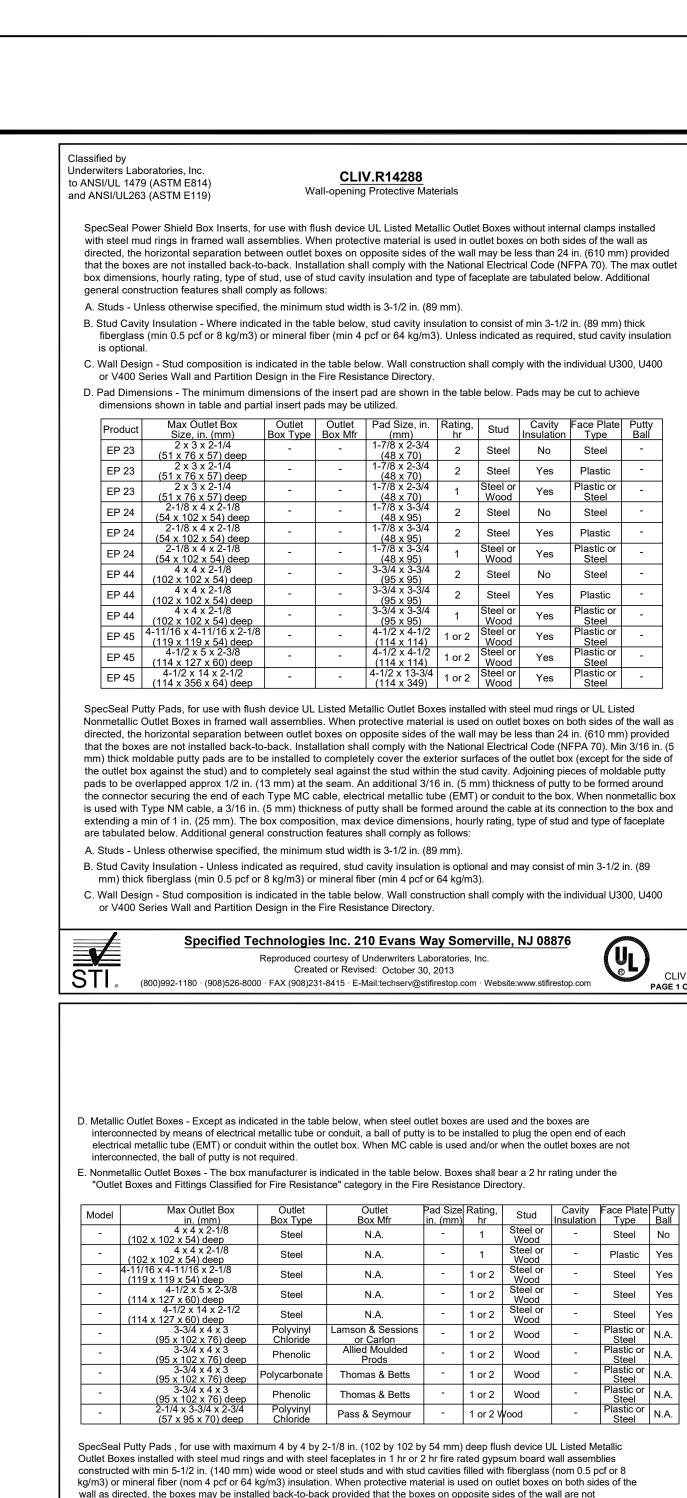
DESIGNED BY: CS

CHECKED BY: JG

ISSUE DATE: 2023-05-31

WORKING DATE: 2023-05-25

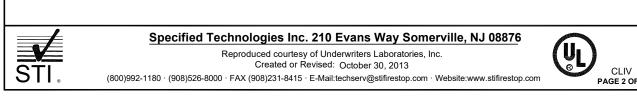
REVISION



Installation shall comply with the National Electrical Code (NFPA 70). Min 3/16 in. (5 mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An additional 3/16 in. (5 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box. SpecSeal EP23, EP24 and EP44 Power Shield Box Inserts and SpecSeal Putty Pads, for use with maximum 4 by 4 by 1-1/2

interconnected with conduit or, when interconnected, the open end of the conduit within the outlet box is filled with a ball of putty.

or 2-1/8 in. (102 by 102 by 38 or 54 mm) deep flush device UL Listed Metallic Outlet Boxes installed with steel mud rings and with steel or plastic faceplates in 1 hr or 2 hr fire rated gypsum board wall assemblies constructed with min 3-1/2 in. (89 mm) wide wood or steel studs. When both protective materials are used with outlet boxes on both sides of the wall as directed, the boxes may be installed back-to-back provided that the backs of the boxes are minimum 1/2 in. (13 mm) apart and provided that the boxes are not interconnected. Installation shall comply with the National Electrical Code (NFPA 70). Min 3/16 in. (5 mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An additional 3/16 in. (5 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box. An insert pad shall be installed to completely cover the back inside surface of each outlet box.



SpecSeal Putty Pads, for use with max 5 by 5 by 2 7/8 in. (127 by 127 by 73 mm) deep flush device UL Listed Metallic Outlet Boxes or UL Listed Communications-Circuit Accessories manufactured by Randl Industries Inc for use in 1 hr or 2 hr fire rated gypsum board wall assemblies framed with min 3-5/8 in. (92 mm) wide wood or steel studs and constructed as specified in the individual U300, U400, or V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory, Metallic outlet boxes to be provided with UL Listed Signal Appliance with steel cover plate manufactured by Cooper Wheelock Inc. Moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud unless otherwise noted) including nailing tabs and to completely seal against the stud within the stud cavity. Multiple moldable putty pads may be installed on an outlet box to attain the required minimum thickness of putty material. Additional putty material used to seal around each conduit and/or cable fitting on the exterior of each box. A min 3/16 in. (4.8 mm) thickness of putty material is required on the exterior surfaces of flush device boxes in 1 and 2 hr fire rated Wall and Partition Designs. When the moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the outlet boxes are not installed back to back, except as noted.

SpecSeal EP55 Power Shield Box Inserts, for use with max 5 by 5 by 2 7/8 in. (127 by 127 by 73 mm) deep flush device UL Listed Metallic Outlet Boxes or UL Listed Communications-Circuit Accessories manufactured by Randl Industries Inc for use in 1 hr or 2 hr fire rated gypsum board wall assemblies framed with min 3-5/8 in. (92 mm) wide wood or steel studs and constructed as specified in the individual U300, U400, or V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory. Metallic outlet boxes to be provided with UL Listed Signal Appliance with steel cover plate manufactured by Cooper Wheelock Inc. Power Shield Box Insert is to be applied to the back surface of the box and may be slit to accommodate communications-circuit accessories. When the Power Shield Box Insert is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. (610 mm) provided that the outlet boxes are not installed back to back, except as noted.

Created or Revised: October 30, 2013

(Nerm 20	14) and CAN/ULC S115 System No	. W-L-3210			
	ANSI/UL1479 (ASTM E814) F Ratings - 1 and 2 Hr (See Item 1) T Rating - 3/4 Hr		CAN/ULC S115 F Ratings - 1 and 2 Hr (See Item 1		
			tings - 1 and 2 Hr (Se FT Rating - 3/4 H		
			FH Ratings - 1 and 2 Hr (See Item 1)		
			FTH Rating - 3/4 H		
manner specified in the and shall include the A. Studs - Wall framin by 102 mm) lumbe mm) OC.	or 2 hr fire rated gypsum board/stud wall the individual U300, U400 or V400 Series following construction features: Ing may consist of either wood studs or sign spaced 16 in. (406 mm) OC. Steel stud	Section A-A I assembly shall be c Wall and Partition De	constructed of the mat esigns in the UL Fire I lood studs to consist of (76 mm) wide and sp		
U300, V300, U400 mm) when sleeve The hourly F ration installed. 2. Steel Sleeve - (Option 5 (or heavier) steel pin The annular space be (51 mm). When Scheone or both wall surfacts from the wall surfaces.	Thickness, number of layers, fastener type, v400 or W400 Series Design in the UL (Item 2) is installed. Max diam of opening on the firestop system is equal to the late of the steep of the steep sheet of the steep sheet on the sheet of the sheet o	Fire Resistance Directly is 4 in. (102 mm) where hourly fire rating or steel electrical met and the penning shall be min may be installed flushangle not greater that one wall surface. Sleet the penning shall be min may be installed flushangle not greater that one wall surface. Sleet wans way Some erwriters Laboratories, I lune 13, 2016	ectory. Max diam of open sleeve is not used of the wall assembly callic tubing (EMT), steel sleeve installed flue 0 in. (continuous poin with or extend up to n 45 degrees from peeve to be rigidly supperville, NJ 08876 nc.		
3. Cables - Aggregate of the opening or slei is installed, the annul surfaces 3. Cables - Aggregate of the opening or slei is installed, the annul When the sleeve (Ite contact) to a max 1/2 than 45 degrees. Any A. Max 200 pair No. insulation. B. Max 3/C No. 2/0 A C. Max 3/C No. 2/0 A jacket. E. Max RG/U (or sma F. Max 62.5/48 fiber of G. Max 4 pair No. 2/0 a I. Max 3/-in. (19 mm) 4. Firestop System - The	, V400 or W400 Series Design in the UL (Item 2) is installed. Max diam of opening of the firestop system is equal to the al) - Nom 4 in. (102 mm) diam (or smaller perspective or min 0.016 in. thick (0.41 mm) street the steel sleeve and periphery of codule 5 steel pipe or EMT is used, sleeve inces. Steel sleeve may be installed at an alleeves may extend continuously beyond codule 5. **Decified Technologies Inc. 210 E Reproduced courtesy of Under Created or Revised: Journal of Journal of Steel Steel Serve. Cables to be bundled and rigidly sured ar space between the cables and the sleeve. Cables to be bundle, using cables of combination of the following types and AWG (or smaller) copper conductor cables are spaced of the following types and the sleep of the following types and the following types	Fire Resistance Direct is 4 in. (102 mm) where hourly fire rating or steel electrical met is, No. 28 ga) galv steed pening shall be min may be installed flush angle not greater that one wall surface. Sleed every well surface. Sleed every well surface is the period of the control of the control cables and seven the cable with polyvinyl chloromators of copper concepts of the copy	ectory. Max diam of open sleeve is not used of the wall assemble callic tubing (EMT), steel sleeve installed flux 0 in. (continuous point with or extend up to n 45 degrees from prever to be rigidly supported by the support of the aggregates of wall assembly. Vn. (point contact) to may penetrate the wall ductor cable may be uported (PVC) or plenumber cable with PVC oper conductors, PVC th XLPE or PVC insulation and jacketing plenum-rated insulation or Armored-Clad# care		
3. Cables - Aggregate of the opening or slee is installed, the annul when the sleeve (Boundard) and the sleeve (Boundard)	(Item 2) is installed. Max diam of opening of the firestop system is equal to the all - Nom 4 in. (102 mm) diam (or smalled be sleeve or min 0.016 in. thick (0.41 mm) stween the steel sleeve and periphery of conduct of the steel pipe or EMT is used, sleeve in ces. Steel sleeve may be installed at an all eleves may extend continuously beyond of the steel	Fire Resistance Direct is 4 in. (102 mm) where hourly fire rating is 4 in. (102 mm) where hourly fire rating is 4 in. (102 mm) where hourly fire rating is 4 in. (102 mm) where hourly fire rating is 4 in. (102 mm) where hourly shall be min may be installed flush angle not greater that one wall surface. Sleet where the cable and surface is 4 per ported on both side even the cables and is described below, in sizes of copper concile with polyvinyl chloral control cables with polyvinyl chloral control cables with polyvinyl chloral control cables with polyvinyl chloral cable with PVC or or steel Metal-Clad# VC jacket. Wing: min 1 in. (25 mm) this as a permanent form inckness of fill material applied to approprize in. (13 mm) thickness of fill material whow for fill material thickness of fill materi	ectory. Max diam of open sleeve is not used of the wall assembly callic tubing (EMT), steel sleeve installed flus 0 in. (continuous poin with or extend up to n 45 degrees from peeve to be rigidly supperville, NJ 08876 nc. Website:www.stifirestop ercent of the aggregate of wall assembly. Vn. (point contact) to meet the wall ductor cable may be used to pen seed the wall ductor cable may be used to perconductors, PVC in the ALPE or PVC insuminsulation and jacketing plenum-rated insulation. Packing material to all. interthickness within sees of fill material insulation and sleeve extends been sleeve extends been sleeve extends been sleeve extends been sleeve extends be not seed to the same of the seed of seal the sleeve extends been sleeve extends been sleeve extends been sleeve extends been sleeve extends be not seed to the seed of seal the sleeve extends be not seed to the seed of seal the sleeve extends be not seed to the seed of seal the sleeve extends be not seed to the seed of the seed of the sleeve extends be not seed to the seed of the sleeve extends be not sleeve extends be not seed to the sleeve extends be not sleeve e		
3. Cables - Aggregate of the opening or slee is installed, the annul when the sleeve (Boundard) and the sleeve (Boundard)	(Item 2) is installed. Max diam of opening of the firestop system is equal to the all - Nom 4 in. (102 mm) diam (or smaller per sleeve or min 0.016 in. thick (0.41 mm) stween the steel sleeve and periphery of codule 5 steel pipe or EMT is used, sleeve in ces. Steel sleeve may be installed at an alleeves may extend continuously beyond codule 5. **Decified Technologies Inc. 210 Experiences and the sleeves may extend continuously beyond codule 5. **Decified Technologies Inc. 210 Experiences and the sleeve Cables to be bundled and rigidly sured ar space between the cables and the sleeves. Cables to be bundled, using cables of combination of the following types and AWG (or smaller) copper conductor cables of combination of the following types and AWG (or smaller) aluminum or copper conductor cables of combination of the following types and aller) coaxial cable with fluorinated ethyles optic cable with PVC or plenum-rated installer) coaxial cable with fluorinated ethyles optic cable with PVC or plenum-rated installer) coaxial cable with fluorinated ethyles of the sleep of the sleep of the sleep on	Fire Resistance Direct is 4 in. (102 mm) where hourly fire rating is 4 in. (102 mm) where hourly fire rating is 4 in. (102 mm) where hourly fire rating is 4 in. (102 mm) where hourly fire rating is 4 in. (102 mm) where hourly shall be min may be installed flust angle not greater that one wall surface. Sleet where the caperatories, I have a surface in the caperatories of the caperatories in the caperator	ectory. Max diam of open sleeve is not used of the wall assembly callic tubing (EMT), steel sleeve installed flus 0 in. (continuous poin with or extend up to n 45 degrees from prever to be rigidly supper ever to be rigidly sup		

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regate cross-sectional area of cables in steel sleever go or sleeve. Cables to be bundled and rigidly support of the cannular space between the cables and the sleever ever (Item 2) is not used, the annular space between max 1/2 in. (13 mm). Cable bundle, using cables do the cases. Any combination of the following types and size the cases. Any combination of the following types and size the cases. Any combination of the following types and size the cases. Any combination of the following types and size the cases. Any combination of the following types and size the cases. Any combination of the following types and size the cases. Any combination of the following types and size the cases are called the cases and the cases a	orted on both side shall be min (en the cables an escribed below, des of copper cowith polyvinyl character service en ex) cable with cable with PVC of steel Metal-Clau jacket. In 1 in. (25 mm) to a permanent for the cable with PVC of the cable with existence of fill materials of fill materials of fill materials of the capplied to appropriate to the capplied to appropriate with Experiment (13 mm) thick Min 1/2 in. (13	des of wall assembly 0 in. (point contact) to ad the opening shall be a may be netrate the vonductor cable may be all of the conductor cable may be all of the competence of t	When the sleeve (Item 2) o max 1-1/2 in. (38 mm). The a min 0 in. (point wall at an angle not greater expressed: """ wall at an angle not greater expressed: "" wall at an angle not greater expressed: """ wall at an angle not greater expressed: "" wall at an angle not greater expressed: """ wall at an angle not greater expressed:		firestop annula (51 mm max 2 sizes o A. Stee B. Iron C. Con con D. Cop E. Cop 3. Fill, Void surface of fill m SPECI	Penetrant - One met p system. Pipe, cond ir space between pip n). For maximum 16 i in. (51 mm). Pipe, conf metallic pipes, confel Pipe - Nom 36 in. (9 in. (9 in. (9 in. (102	uit or tubing ma e, conduit or tul n. (406 mm) dia nduit or tubing duits or tubing n 914 mm) diam (or mm) diam (or s mm) diam (or s n. (152 mm) diam (152 mm) diam Sealant - Min 5, t contact locati ed at the gypsu ES INC - Spec nall bear the UI	y be installed bing and periplem (or smaller) to be rigidly suay be used: or smaller) Scor smaller) steel e maller) flexible m (or smaller) Rogan (16 mm) for between the moard/throuseal Series SS	at an angle no nery of opening pipes, annular pported on bo nedule 10 (or hor ductile iron ectrical metall steel conduit. Type L (or heave thickness of fill ough penetrant ir S Sealant or S	t greater than g shall be min r space shall be the	45 degrees fm 0 in. (0 mm, p be min 0 in. (0 ill assembly. T pipe. n 6 in. (152 mm tubing. pe. lied within ann n board, a min th surfaces of Sealant	om perpendi point contact mm, point of the following m) diam (or aulus, flush v 3/8 in. (10 n wall.	cular. The to max 2 in. ontact) to types and smaller) steel ith both m) diam bead
pplied around the perimeter of the sleeve on each stalled at continuous point contact. See table below			,										
Sealant or Putty Type	Thickness, In. (mm)	Packing Material Required											
SpecSeal Series SSS Sealant or LCI Sealant	1/2 in. (13)	Yes											
SpecSeal Series SSS Sealant or LCI Sealant	1 in. (25)	No											
SpecSeal Putty	1 in. (25)	No											
ED TECHNOLOGIES INC - SpecSeal Series SSS Ses such products shall bear the UL or cUL Certifation (such as Canada), respectively.	•	•	, i										
Specified Technologies Inc. 210 Eva	ıns Way Son	nerville, NJ 0887	6		=	Specifi	ed Technolo	gies Inc. 2	0 Evans W	ay Somerv	ville, NJ 08	876 /	
Reproduced courtesy of Underwrit Created or Revised: June 92-1180 · (908)526-8000 · FAX (908)231-8415 · E-Mail:techs	13, 2016		c UL US W-L-3210 PAGE 2 OF 2		STI.	(800)992-1180 · (908)		reated or Revis	Jnderwriters La ed: December 2 Mail:techserv@s	20,2013		C restop.com	US W-L- PAGE :

Underwiters Laboratories, Inc.

to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115 System No. W-L-1049

1. Wall Assembly - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in

B. Gypsum Board* - 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type,

1A. Metallic Sleeve - (Optional, Not Shown) - Cylindrical sleeve fabricated from min 0.016 in. (0.41 mm) to max 0.105 in. (2.7

mm) thick sheet steel. Length of steel sleeve to be equal to the thickness of wall. Longitudinal seam of sleeve welded or

overlapped min 1 in. (25 mm). The ends of the steel sleeve shall be flush or recessed max 1/4 in. (6 mm) from wall surfaces.

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mm) clearance is present between the penetrating item and the framing on all four sides.

the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and

A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51

by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-5/8 3-1/2 in. (89 mm) wide and spaced max 24 in.

(610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be

framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at

each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher

than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76

Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm) for steel stud walls. Max diam

thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400

The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in

CAN/ULC S115

F Rating - 1 and 2 Hr (See Item 1)

FT Rating - 0 Hr

FH Rating - 1 and 2 Hr (See Item 1)

L Rating At Ambient - Less Than 1 CFM/sq ft

L Rating At 400 F - Less Than 1 CFM/sq ft

ANSI/UL1479 (ASTM E814)

F Ratings - 1 and 2 Hr (See Item 1)

T Rating - 0 Hr

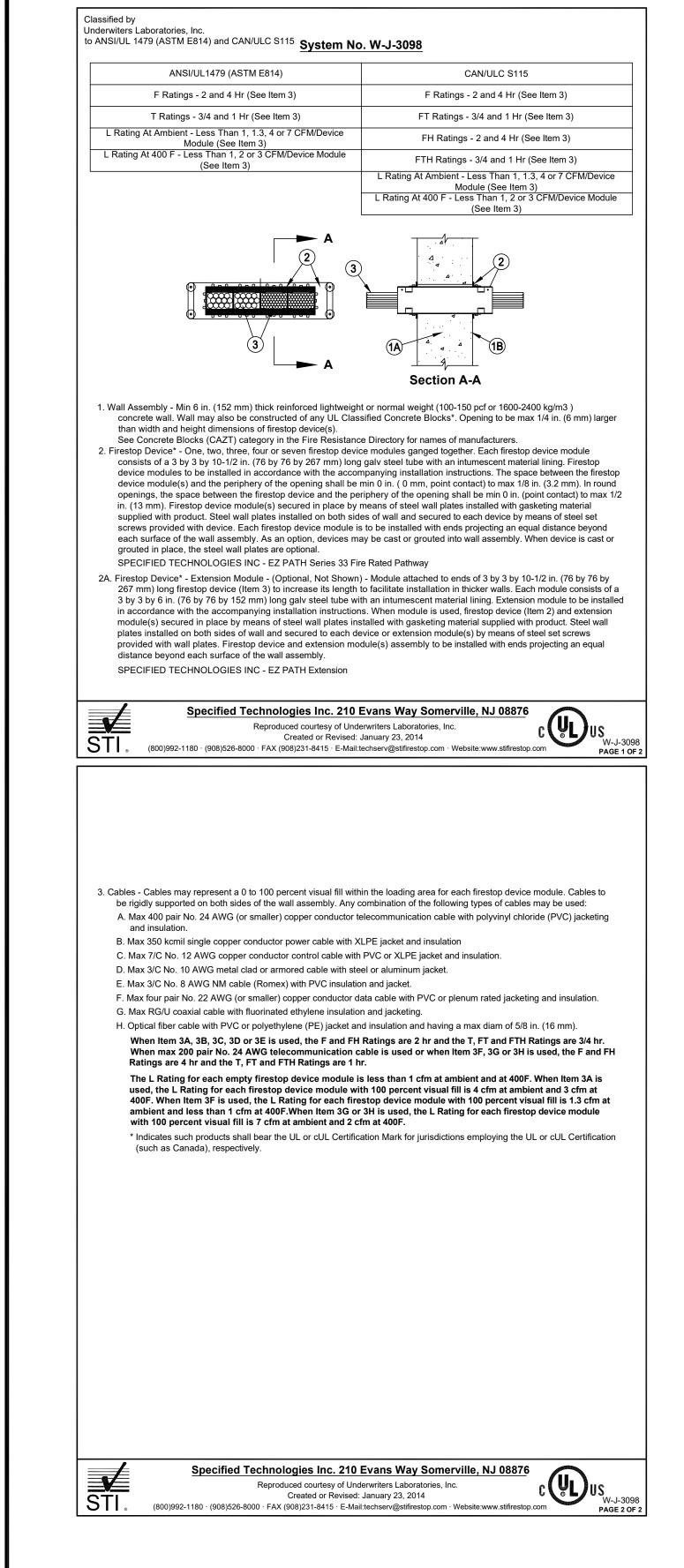
L Rating At Ambient - Less Than 1 CFM/sq ft

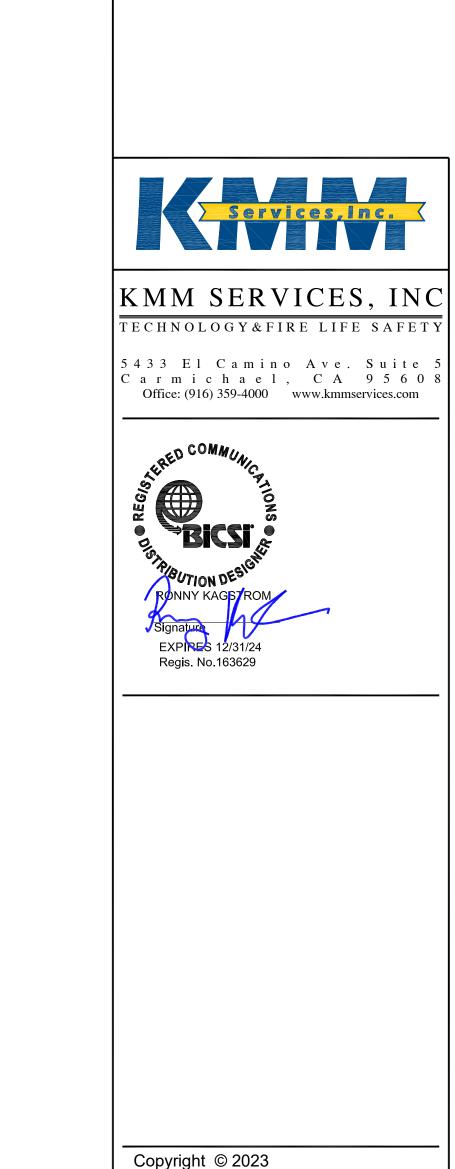
L Rating At 400 F - Less Than 1 CFM/sq ft

shall include the following construction features:

which it is installed.

of opening is 14-1/2 in. (368 mm) for wood stud walls.





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SHEET TITLE

SACRAMENTO, CA. 95820

DRAWING STATUS

CONSTRUCTION DOCUMENTS

PROJECT NO:	0520-464
BID PACKAGE:	TBD
DESIGNED BY:	CS
CHECKED BY:	JG
ISSUE DATE:	2023-05-31
WORKING DATE:	2023-04-23
REVISION	

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