- EXTERIOR INTERCOM SPEAKER/IP MODULE & TELECENTER U

- EXTERIOR IP INTERCOM HORN/IP MODULE | & TELECENTER U

- DROP CEILING INTERCOM SPKR/IP MOD

(N) CAT6A DATA DROP LOCATION

(N) CAT6A DATA DROP LOCATION

(N) CAT6A DATA DROP LOCATION

(E) ELECTRICAL OUTLET

ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)

RAULAND &

TELECENTER U

LOWELL & SAPLING | SEE SHEET T401 | 16" = 16" CLOCK

SEE SHEET T401 N/A

SEE SHEET T401 N/A

NOTES / DETAIL

REFERENCES

GREY = EXISTING

"X" INDICATED QTY.

2 EA. DROPS PER LOCATION

2 EA. DROPS PER LOCATION

2 EA. DROPS PER LOCATION

COVER WHEN REQ. OBERON 1021

GREY = (E)

NO "X" = 1 EA.

45" AFF TO TOP

CALLE RACEWAY				
SYMBOL DESCRIPTION MANUFACTURER PORT MUNISHEN CONDUIT COMMERCIAL CONDUIT COMMERCIAL CONDUIT COMMERCIAL CONDUIT NA	A DDDE\ // A TIONIO	TECHNOLOGY SYM	MBOL LEG	GEND:
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NI HERNATIONAL TOTAL PROPERTY OF THE PROPER	ERE			PART
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MISSING ALL SOURCE DURING GENERIC MISSING ALL SOURCE MISSING AL	FINISHED GRADE			
A	CIATOR			/A
NERNATIONAL	POINT	GENERIC		
NERNATIONAL	NISHED FLOOR			
No. High CAPACITY SURFACE MOUNTED S00 SERIES	IISHED GRADE	(E) UNDERGROUND CONDUIT N/A	N//	/A
CABLE RACEWAY WIRESHALD WIRESHA	NDUSTRY CONSTRUCTION SERVICE INTERNATIONAL			
TOBEL RELEVANT TOBE TOBE			D 55	500 SERIES
LLED CALE RACEWAY WREMALU 2003 SERIES		CABLE RACEWAY		
LLED CALE RACEWAY WREMALU 2003 SERIES		(N) MEDIUM CAPACITY SURFACE MOUNTED		
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ESIGNER In Part Company Com	ION			
No 12" LADDER RACK	IDMIGUED (CONTRACTOR WITH A CONTRACTOR WITH A CO		- NI//	/A
MDET / IDF (N) DATA RACK	SHED/CONTRACTOR INSTALLED	GENERIC GENERIC	14/7	
MDET / IDF (N) DATA RACK			SF	FE SECTION
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		(N) CATES DATA DROP LOCATION RALII AND 8	. &	
				EE SHEET T401

TECHNOLOGY SCOPE OF WORK:

I. ESTABLISH NEW MDF AND IDF RACKS / CABINET.

LOWELL, RAULAND SEE SHEET T401 N/A

- . INSTALL NEW 12-STRAND SM FIBER TO ALL IDFS.
- FURNISH AND INSTALL NEW J-HOOKS, CONDUIT AND RACEWAY PATHWAYS AS REQUIRED TO INSTALL NEW CABLES.
- INSTALL NEW CAT-6A CABLES AS INDICATED ON DRAWINGS. EXISTING CAMERAS SHALL HAVE NEW CAT6A CABLES INSTALLED.
- 5. INSTALL DISTRICT FURNISHED DATA SWITCHES AND WIRELESS
- ACCESS POINTS.
- 3. FURNISH, INSTALL AND CONFIGURE NEW RAULAND TELECENTER U SYSTEM. FURNISH AND INSTALL NEW ZONE PAGE MODULES IN
- IDFS, CONNECTED TO EXTERIOR SPEAKERS.
- . FURNISH AND INSTALL NEW IP CLOCKS AND IP SPEAKERS.
- COORDINATE INSTALLATION WITH EXISTING CONTRACTORS ON-SITE. COORDINATE CUTOVERS AND ACTIVATION / COMMISSIONING OF NEW SYSTEM WITH DISTRICT REPRESENTATIVE AND DISTRICT STAFF.
- PROVIDE AND INSTALL 1 EA. FIRE EXTINGUISHER IN MDF: HALOCARBON TYPE WITH DUPONT "FE-36," ALSO KNOWN AS "CLEANGUARD" OR "HALOTRON I" AS STANDARD WITH EXTINGUISHER MANUFACTURER AND MEETING GOVERNING REGULATIONS, UL RATING 2B:C

TECHNOLOGY BID ALT. SCOPE OF WORK:

1. EXTEND EXISTING ELECTRIAL OUTLET TO WITHIN 12" OF NEW DATA DROPS.

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.
- AND APPROVED BY THE DESIGNER. ANY DESIGN AND/OR INSTALLATION DISCREPANCIES/CHANGE ORDER

1.3. APPLICABLE QUALIFICATION DOCUMENTATION ARE RECEIVED

- 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/ENGINEER INSPECTOR, AND THE OWNER.
- 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/ENGINEER 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/ENGINEER PRIOR TO INSTALLATION.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH THROUGH PENETRATION FIRST STOP SYSTEMS WITH A "T" RATING EQUAL TO THE ASSEMBLY PENETRATED.
- 5. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH DEVICE. DO NOT SPLICE THE WIRE. THERE MUST BE AT LEAST 6" OF LEAD WIRE FROM THE BOX TO THE ALL BOXES TO BE SIZED PER CEC ARTICLE 314-16(A).
- ALL CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY, OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR 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.
- 8. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AT A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO FINAL INSPECTION FOR FINAL PUNCH ALL ITEMS ON PUNCH LIST MUST BE COMPLETE FOR JOB TO FINAL.
- 9. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE ALL PROJECT AS-BUILT DRAWINGS AND MANUALS PER SPECIFICATIONS.
- 10. THE CONTRACTOR SHALL ALSO PROVIDE A TYPED RECORD OF COMPLETION. A FINAL WILL NOT BE GRANTED UNTIL THE ABOVE IS APPROVED BY THE OWNER.

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

INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)

- 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
- 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:

REVISED: 02/14/2020

APPLICABLE CODE: 2019 CBC MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 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

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPES

(PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP □ MD □ PP □ E X 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:

SHEET	DESCRIPTION
T000	TECHNOLOGY COVER SHEET
T100 T101	TECHNOLOGY SITE PLAN - BACKBONE PATHWAY TECHNOLOGY SITE PLAN - EXTERIOR WIRELESS ACCESS POINTS
T102	TECHNOLOGY SITE PLAN - EXTERIOR INTERCOM SPEAKERS
T200 T201 T202 T203	TECHNOLOGY FLOOR PLAN - MDF 1.0 TECHNOLOGY FLOOR PLANS - IDF 1.1 AND 1.10 TECHNOLOGY FLOOR PLANS - IDF 1.2, 1.3 AND 1.4 TECHNOLOGY FLOOR PLANS - IDF 1.5, 1.6, 1.7, 1.8 AND 1.9
T400	TECHNOLOGY DATA RACK ELEVATIONS AND SINGLE
T401	TECHNOLOGY INTERCOM SINGLE LINE DIAGRAM
T800 T801 T802	TECHNOLOGY DETAILS TECHNOLOGY DETAILS TECHNOLOGY DETAILS
(FA200	FIRE ALARM FLOOR PLANS - COMPUTER LAB 23
IA200	INTRUSION ALARM FLOOR PLANS - ADMIN. AND

MULTI-PURPOSE ROOM



KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFET

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Fire Alarm Systems, Level III

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

DELTA	DESCRIPTION	DATE
\$\frac{\infty}{\text{V}}\frac{\infty}{02}	ADDENDUM #02	2023-04-1
		-

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD CLAYTON B. WIRE ES TECHNOLOGY NETWORK INFRA. UPGRADE 5100 EL PASO AVE.

> SACRAMENTO, CA. 95824 SHEET TITLE

TECHNOLOGY COVER SHEET

DRAWING STATUS

BID SET

PROJECT NO:	-
CONTRACT NO:	0040-461-2
DESIGNED BY:	RK/CC
CHECKED BY:	JG
ISSUE DATE:	2023-03-16
WORKING DATE:	2023-04-07

REVISION

AFG

ANN

BFG

BICSI

BLDG

CAB

CAT

CFCI

DN

EMT

EOL

FTC

GRC

IACP

IDF

IMC

MEP

MDF

MPOE

NFPA

NTS

N/A

OFE

OFCI

OFOI OSP

PVC

RCDD

RCWY

RM

TYP

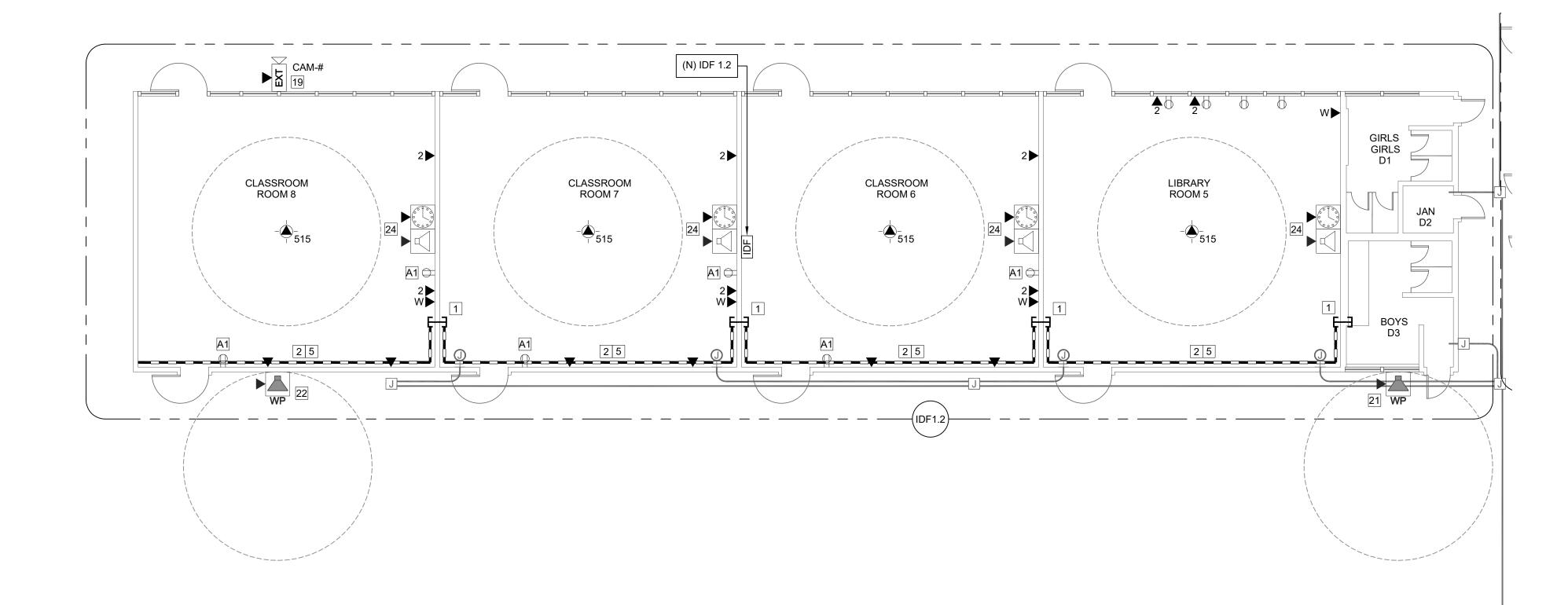
UNO

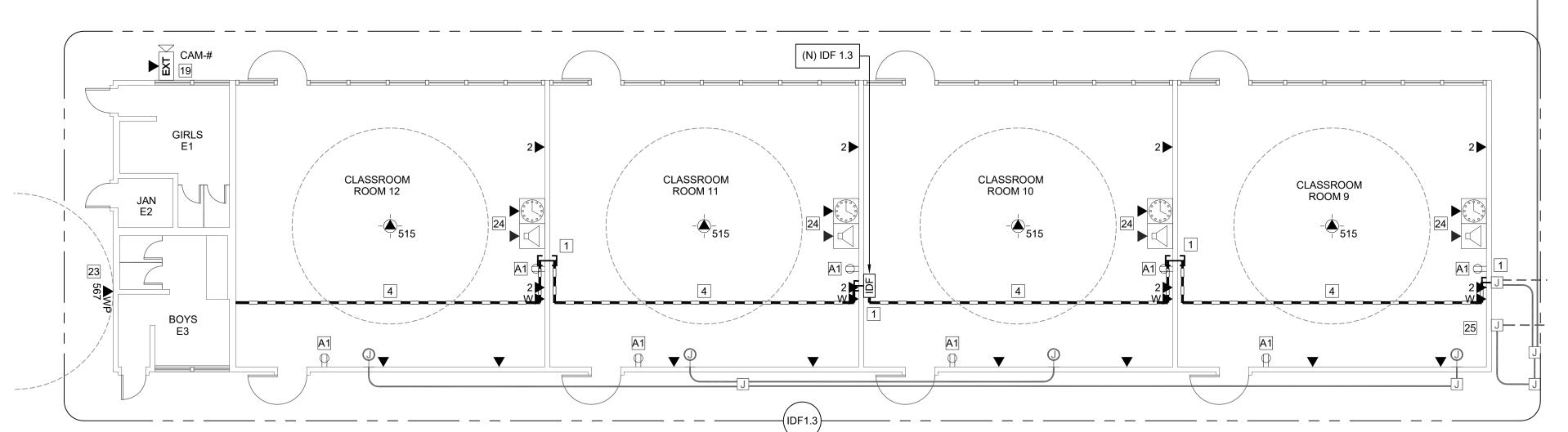
J OR JB

G OR GB

FACP

CATV





A B APC

PICTURE DETAIL NOTES:

(E) IDF WALL MOUNTED CABINET SHALL REMAIN ACTIVE UNTIL (N) IDF 1.3 IN ROOM 10 IS FULLY INSTALLED, COMPONENTS MOUNTED

(B) AFTER (N) IDF 1.3 IS INSTALLED AND ACTIVATED IN ROOM 10, (E)

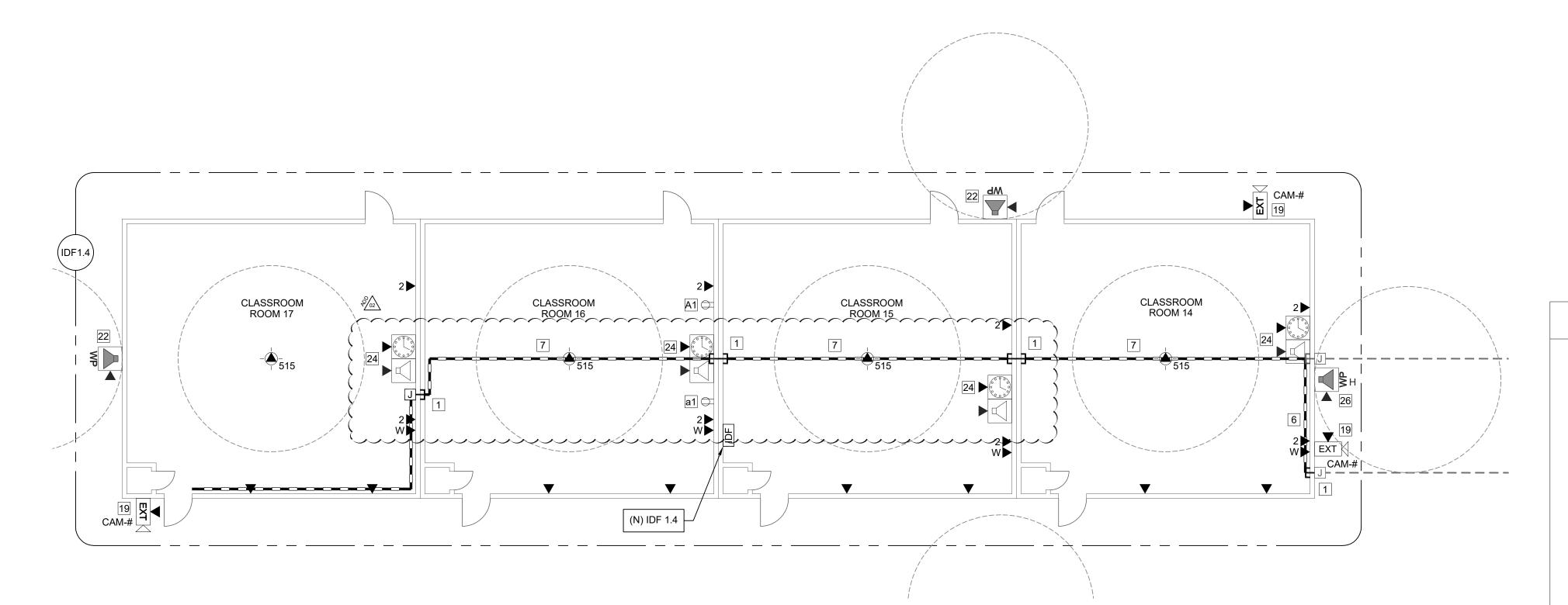
SERVICES TO PICK UP ANY EQUIPMENT / COMPONENTS THE

CONTRACTOR TO REMOVE ALL (E) FIBER AND CATEGORY 5/6

DISTRICT WANTS TO KEEP.

CABLING FROM WALLS AND CONDUITS.

CABINET AND EQUIPMENT IN IDF ROOM 9 SHALL BE REMOVED FROM WALL. CONTRACTOR TO COORDINATE WITH TECHNOLOGY



IDF ROOM 9 PICTURE DETAIL

TECHNOLOGY FLOOR PLANS - IDF 1.2, 1.3 AND 1.4

SCALE: 1/8*=1'

GENERAL NOTES:

- NO STRUCTURAL BEAMS SHALL BE PENETRATED OR ALTERED.
 PROVIDE APPROPRIATE WM5500 TO WM2300 FITTINGS TO EXIT WM5500 TO TRANSITION DOWN TO DROP LOCATIONS.
- 3. RELOCATE EXISTING INTRUSION DEVICES UP OR DOWN TO ALLOW NEW RACEWAY TO BE INSTALLED. VERIFY THAT THE RELOCATED DEVICE IS NOT CAUSING A FAULT ON THE ALARM PANEL PRIOR TO LEAVING THE SITE.
- 4. ALL (N) IDFS SHALL HAVE A DEDICATED QUAD ELECTRICAL OUTLET INSTALLED INSIDE THE IDF CABINET, ON HINGE SIDE APPROX. 12" FROM BOTTOM OF CABINET.
- 5. NEW DATA DROPS INSTALLED WILL REQUIRE WM2300 INSTALLED TO EACH LOCATION.

SHEET NOTES:

- 1 2 EA. 2" STUBS INTO WM5500 ENTRANCE END FITTING.
- WM5500 HIGH ON WALL. NOTCH BASE OF RACEWAY TO CROSS OVER SINGLE CHANNEL RACEWAY. PROVIDE FITTINGS AS REQUIRED TO TRANSITION UP, DOWN OR IN CORNERS.
- PROVIDE APPROPRIATE WM5500 TO WM2300 FITTINGS TO EXIT WM5500 TO TRANSITION DOWN TO DROP LOCATIONS.
- WM5500 INSTALLED ON FACIA BOARD. SEE DETAIL 1/T801 FOR REQUIRED WM5500 / WM2300 FITTINGS.
- 5 INSTALL SOLID PLYWOOD PIECES CUT TO SIZE OF WM5500 TO SPACE OUT RACEWAY EQUAL TO EXISTING WALL PANELS.
- 6 WM5500 HIGH ON WALL TO TRANSITION TO WM5500 MOUNED ON THE CEILING.
- 7 WM5500 MOUNTED ON CEILING.
 8 2 EA. 2" STUBS FROM WM5500 ENTRANCE END FITTING TO ABOVE CEILING ENVIRONMENT.
- 9 J-HOOKS ABOVE CEILING TO ROUTE ALL CABLES.
- 10 2 EA. 2" STUBS BETWEEN ROOMS ABOVE CEILING.
- 2 EA. 2" STUBS TO ABOVE CEILING AREA.
 2 EA. 2" FLEX CONDUITS BETWEEN CLASSROOMS.
- (E) SURFACE BACK BOX AND SMALL RACEWAY. REPLACE RACEWAY WITH WM2300.
- 14 (E) WM5400 USED FOR FIRE ALARM CIRCUITS.
- 15 EXTEND (E) WM5400 WITH NEW WM5400.
- (N) WM2300. PROVIDE APPROPRIATE WM5500 TO WM2300 FITTINGS TO EXIT WM5500 TO TRANSITION DOWN TO DROP LOCATIONS.
- 17 REMOVE (E) 2 EA. CAT3 CABLES FROM CONDUIT.
- 18 REMOVE PROJECTOR POWER AND CONDUIT.
- (E) CCTV CAMERA. REWORK EXISTING CONDUIT STUB FLUSH WITH INTERIOR WALL IF APPLICABLE. INSTALL (N) SINGLE GANG BACK BOX WITH BLANK COVER ON THE INTERIOR SIDE. REPLACE DATA CABLE WITH NEW CAT6A.
- (N) CCTV CAMERA. SEE DETAILS FOR PENETRATION AND MOUNTING DETAILS.
- (E) EXTERIOR INTERCOM SPEAKER. USE EXISTING BACK BOX, REPLACE WITH THE SPEAKER. REPLACE SPEAKER CABLE AND TERMINATE AT MDF PER DETAIL.
- (N) EXTERIOR INTERCOM SPEAKER.
- (N) EXTERIOR WIRELESS ACCESS POINT. DISTRICT TO FURNISH BRACKET AND ACCESS POINT FOR CONTRACTOR TO INSTALL. CONTRACTOR TO INSTALL PENETRATION STUB THROUGH WALL, EXTERIOR BACK BOX / CAT6A JACK PER DETAILS.
- 24 REMOVE (E) CLOCK AND INSTALL NEW IP CLOCK/SPEAKER COMBO UNIT OVER THE (E) CLOCK BACK BOX.
- 25 REMOVE (E) IDF CABINET AND ASSOCIATED ELECTRICAL / LOW VOLTAGE CABLING AFTER NEW WING IDF IS ESTABLISHED AND CONFIRMED OPERATIONAL.
- 26 (N) EXTERIOR INTERCOM HORN.
- DATA DROPS FOR FIRE ALARM PANEL. RED JACKS.NEW DATA DROP INSIDE HVAC CONTROLLER CABINET. RELOCATE
- EXISTING ELECTRICAL TO INSIDE HVAC CONTROLLER CABINET.

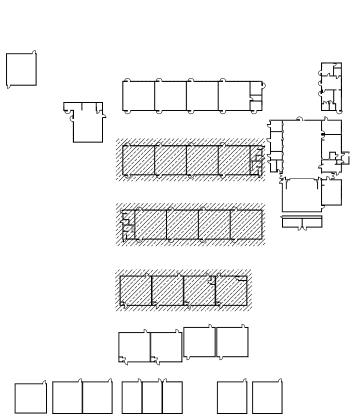
 29 NEW DATA DROP INSIDE INTRUSION CABINET.
- NEW DATA DROP INSIDE INTRUSION CABINET.INSTALL IDF ABOVE THE DOOR.
- DROP FOR COUNTER PHONE. INSTALL APPROX. 18" AFF ON BACK SIDE OF COUNTER.
- REMOVE (E) CAMERA AND RETURN TO DISTRICT. REMOVE (E) DATA CABLE.

BID ALTERNATE SHEET NOTES:

EXTEND (E) ELECTRICAL WITHIN 12" OF (N) DATA DROP.

EXTEND (E) ELECTRICAL CURRENTLY AT APPROX. 92" DOWN TO WITHIN 12" OF (N) DATA DROP.

KEY PLAN





DRAWING STATUS

BID SET

KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

5433 El Camino Ave. Suite 5 Carmichael, CA 95608

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

FONNY KAGSTROM

Regis. No.163629

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DELTA

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ADDENDUM #02

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SHEET REVISIONS

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD

CLAYTON B. WIRE ES

TECHNOLOGY NETWORK

INFRA. UPGRADE

5100 EL PASO AVE.

SACRAMENTO, CA. 95824

SHEET TITLE

TECHNOLOGY

FLOOR PLANS

- IDF 1.2, 1.3 AND 1.4

2023-04-10

contact with these drawings or specifications shall constitute

PROJECT NO:	-
CONTRACT NO:	0040-461-2
DESIGNED BY:	RK/CC
CHECKED BY:	JG
ISSUE DATE:	2023-03-16
WORKING DATE:	2023-04-07
PEVISION	



T202

(D)	EQUIPMENT SCHEDULE EXTERIOR SURFACE SPEAKER: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)					
	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES		
TELECE	ENTER 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		

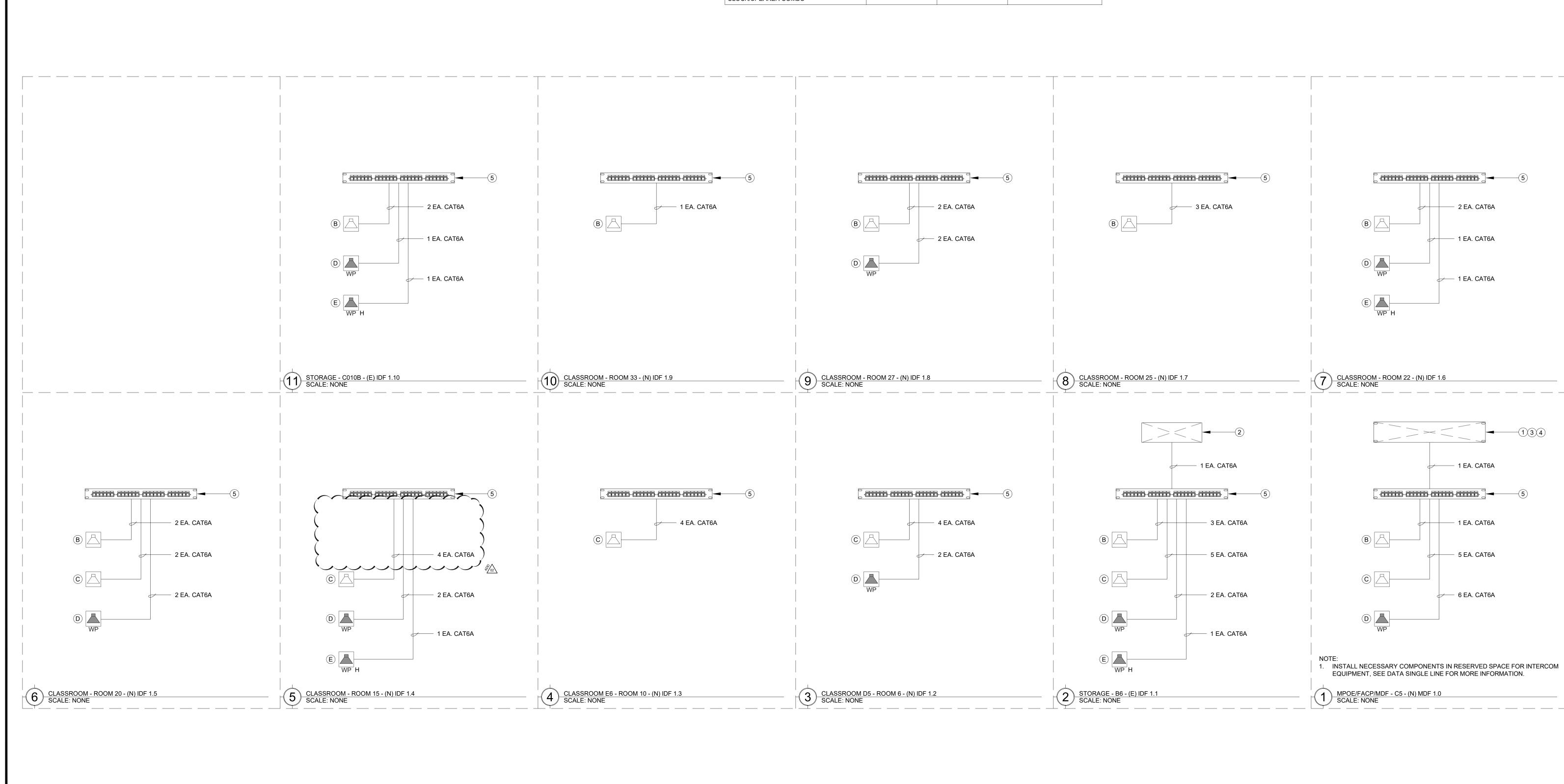
E	EQUIPMENT SCHEDULE EXTERIOR SURFACE HORN: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNC					
DESCRIPTION		MODEL	PART NUMBER	NOTES / DETAIL REFERENCES		
	ENTER U IP ZONE PAGE AMPLIFIER E, POWER SUPPLY	RAULAND	TCC3022, TCC3022PS	MOUNT INSIDE BUILDING		
HORN LOUDSPEAKER, GRILLE VANDAL RESISTANT		LOWELL	VRG-LUH15TX	N/A		
SURFACE MOUNT SPEAKER ENCLOSURE		LOWELL	CB86-SGVPO	N/A		

A	A EQUIPMENT SCHEDULE INTERIOR SURFACE SPEAKER: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)					
	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES		
TELECE	ENTER U IP CLASSROOM MODULE	RAULAND	TCC2011A	MOUNT INSIDE ENCLOSURE		
8 OHM,	8" SPEAKER WITH RJ45 CONNECTOR	RAULAND	US0880	N/A		
SPEAKE	ER BAFFLE	RAULAND	ACC1003	N/A		
SURFAC	CE MOUNT SPEAKER ENCLOSURE	RAULAND	ACC1112	N/A		

B	EQUIPMENT SC ALL EQUIPMENT AND MATERIAL	HEDULE INTERIC LS ARE CONTRACTOR F				
	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES		
TELEC	ENTER U IP CLASSROOM MODULE	RAULAND	TCC2011A	MOUNT TO SPEAKER		
2'X2' 8 CONNE	OHM DROP-IN SPEAKER WITH RJ45 ECTOR	RAULAND	BAFKIT2X2LRJ	N/A		

©	EQUIPMENT SCHEDULE INTERIOR SURFACE CLOCK/SPEAKER COMBO: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)						
	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES			
TELECENTER U IP CLASSROOM MODULE		RAULAND	TCC2011A	MOUNT IN ENCLOSURE			
8 OHM,	8" SPEAKER WITH RJ45 CONNECTOR	RAULAND	US0880	N/A			
IP 12" R	OUND CLOCK	SAPLING	SAP-4BS-12R	N/A			
GRILLE CLOCK/SPEAKER COMBO		LOWELL	AP-700	N/A			
SURFACE MOUNT ENCLOSURE CLOCK/SPEAKER COMBO		LOWELL	PC712	N/A			

)			GURED (UNO)			
		SYMBOL	DESCRIPTION	MODEL	PART NUMBER	NOTES / DETAIL REFERENCES
URE		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		TCC2045	N/A
)		(5)	24-PORT PATCH PANEL	SEE DATA SINGLE LINE RACK COMPONENTS #19/T400 FOR MORE INFORMATION.		N/A





KMM SERVICES, INC TECHNOLOGY&FIRE LIFE SAFETY 5433 El Camino Ave. Suite 5

C a r m i c h a e 1 , C A 9 5 6 0 8 Office: (916) 359-4000 www.kmmservices.com



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	SHEET REVISION	S				
DELTA _	DESCRIPTION	DATE				

02	ADDENDUM #02	2023-04-10

SITE KEY PLAN

PROJECT
SACRAMENTO CITY USD
CLAYTON B. WIRE ES
TECHNOLOGY NETWORK
INFRA. UPGRADE
5100 EL PASO AVE.

SACRAMENTO, CA. 95824
SHEET TITLE

TECHNOLOGY INTERCOM SINGLE LINE DIAGRAM

DRAWING STATUS

BID SE

	PROJECT NO:	-
	CONTRACT NO:	0040-461-2
	DESIGNED BY:	RK/CC
	CHECKED BY:	JG
	ISSUE DATE:	2023-03-16
	WORKING DATE:	2023-04-07
1	REVISION	

T401

FIRE ALARM SYMBOL LEGEND: ALL EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED, INSTALLED AND CONFIGURED (UNO)				
SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER	NOTES / DETAIL REFERENCES
$\langle s \rangle$	(E) CEILING MOUNTED SMOKE DETECTOR	EXISTING	EXISTING	N/A
	(E) CEILING MOUNTED SPEAKER/STROBE	EXISTING	EXISTING	N/A
H	(N) ATTIC MOUNTED HEAT DETECTOR	SYSTEM SENSOR	5602	N/A

- 1. REMOVE DEVICES AND PRESERVE FOR REINSTALL.
- 2. VERIFY ADDRESSING WITH DISTRICT PRIOR TO REINSTALL.

SHEET NOTES:

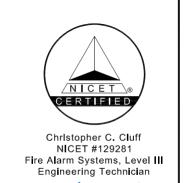
- 1 REMOVE AND REINSTALL SMOKE DETECTOR. 2 REMOVE AND REINSTALL SPEAKER/STROBE.
- 3 INSTALL HEAT DETECTOR ON ROOF DECK ABOVE T-BAR CEILING (WHEN REQUIRED SET TO NEXT AVAILABLE ADDRESS).



KMM SERVICES, INC

TECHNOLOGY&FIRE LIFE SAFETY

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



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SHEET REVISIONS DELTA DESCRIPTION ADDENDUM #02 2023-04-10

SITE KEY PLAN

PROJECT

SACRAMENTO CITY USD CLAYTON B. WIRE ES TECHNOLOGY NETWORK INFRA. UPGRADE 5100 EL PASO AVE.

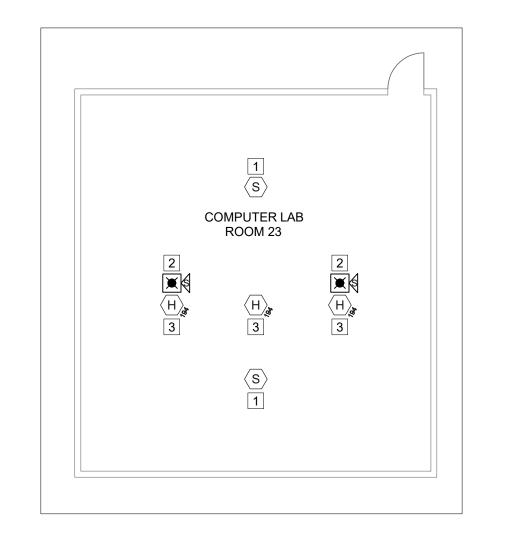
> SACRAMENTO, CA. 95824 SHEET TITLE

FIRE ALARM - COMPUTER LAB 23

DRAWING STATUS

BID SET

PROJECT NO:	-	
CONTRACT NO:	0040-461-2	
DESIGNED BY:	RK/CC	
CHECKED BY:	JG	
ISSUE DATE:	2023-03-16	
WORKING DATE:	2023-04-07	



FIRE ALARM FLOOR PLANS - COMPUTER LAB 23

0 4 8 12 16

KEY PLAN