

<u>OWER</u>	R SYMBOLS	<u>LIGHTII</u>	NG SYMBOLS	<u>WIRING</u>	G DEVICE SYMBOLS	<u>ABBRE'</u>	<u>VIATIONS</u>
YMBOL	IDENTIFICATION	SYMBOL	IDENTIFICATION	SYMBOL	IDENTIFICATION	ABBRV.	IDENTIFICATION
M	MOTOR CONNECTION		LUMINAIRE; CEILING OR SURFACE MOUNTED	=	20A, 125V, DUPLEX RECEPTACLE OUTLET	AC AFF	ALTERNATING CURRENT ABOVE FINISH FLOOR
G	GENERATOR CONNECTION	\vdash	LUMINAIRE; WALL MOUNTED	-	20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET	AF	FRAME RATING IN AMPERES
~			, and the second	Ħ		AS	SWITCH RATING IN AMPERES
∟ F	FUSED DISCONNECT SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE	•	AREA POLE WITH MOUNTED LUMINAIRE		SPECIAL PURPOSE RECEPTACLE OUTLET; RATING AS SHOWN; +18" AFF TP CENTERLINE	AT ATS	TRIP RATING IN AMPERES AUTOMATIC TRANSFER SWITCH
<u> </u>	NON-FUSED DISCONNECT SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE		LUMINAIRE ON EMERGENCY POWER	\rightarrow	20A, 125V, SINGLE RECEPTACLE OUTLET	AV C	AUDIO VISUAL CONDUIT
J	JUNCTION BOX	\bigotimes	EXIT SIGN; CEILING MOUNTED; ARROWS AND FACES AS	\Rightarrow_{x}	A = ABOVE COUNTER	CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
		•	SHOWN ON PLANS	χ	C = CEILING MOUNTED G = GFCI	CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
\bigcirc_{X}	C = CEILING MOUNTED	H 	EXIT SIGN; WALL MOUNTED; ARROWS AND FACES AS SHOWN ON PLANS		S = SWITCHED RECEPTACLE T = TAMPER PROOF	CEC CL	CALIFORNIA ELECTRIC CODE CENTERLINE
<u>J</u>	JUNCTION BOX; WALL MOUNTED		EMERGENCY FIXTURE; DUAL LAMP HEAD		U = WITH (2) USB PORTS W = WEATHERPROOF COVER AND GFCI	CONN	CONNECTED
	ILINICTION DOV WITH WHID CT/LE CONNECTION TO DOWEDED				+#" = INCHES ABOVE FINISH FLOOR	DC DPDT	DIRECT CURRENT DOUBLE POLE, DOUBLE THROW
J	JUNCTION BOX WITH WHIP-STYLE CONNECTION TO POWERED FURNITURE; POWER AND/OR DATA				20A, 125V, DUPLEX RECEPTACLE OUTLET; FLOOR RECESSED	DPST	DOUBLE POLE SINGLE THROW
\Box	TRANSFORMER; BOTTOM OF T DESIGNATES FRONT SIDE				20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET;	(E)	EXISTING TO REMAIN
	,			N.P.	FLOOR RECESSED 2-CHANNEL FLOOR BOX W/ (2) GANG POWER / (2) GANG DATA;	ELEV	ELEVATOR
	PANELBOARD OR TERMINAL CABINET; SURFACE MOUNTED			\mathbf{V}	PROVIDE 1"C. FROM EACH DATA OUTLET TO ACCESSIBLE CEILING SPACE. BASIS-OF-DESIGN: WIREMOLD 'RFB4'.	EMT EWC	ELECTRO METALLIC TUBING ELECTRIC WATER COOLER
	DANIELDOADD OD TEDMINIAL CADINET, ELLICU MOLINITED			C		EWH	ELECTRIC WATER HEATER
	PANELBOARD OR TERMINAL CABINET; FLUSH MOUNTED				COMMERCIAL CORD REEL RECEPTACLE; CEILING MOUNTED	FVNR	FULL-VOLTAGE, NON-REVERSING
	SINGLE PHASE PANEL / UNIT PANEL			\$	SINGLE POLE SWITCH	FVR	FULL-VOLTAGE, REVERSING GROUND
				•		G GFCI	GROUND FAULT CIRCUIT INTERRUPTER
• •	GROUND BUS BAR			\$ _X	3 = THREE WAY SWITCH 4 = FOUR-WAY SWITCH	GND	GROUND
	TRANSFORMER				D = DIMMER SWITCH K = KEY OPERATED SWITCH	HID	HIGH INTENSITY DISCHARGE
					M = MOTOR RATED SWITCH S = DUAL TECH SENSOR SWITCH	IG LRC	ISOLATED GROUND LIGHTING RELAY CABINET
	AUTOMATIC TRANSFER SWITCH				T = INTERVAL TIMER V = LOW VOLTAGE SWITCH	NC	NORMALLY CLOSED
- -	NORMALLY OPEN CONTACT				W = SINGLE POLE WEATHERPROOF SWITCH	NEC	NATIONAL ELECTRIC CODE
						NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
#	NORMALLY CLOSED CONTACT				PUSH BUTTON SWITCH	NO NTS	NORMALLY OPEN NOT TO SCALE
\leftarrow	DRAWOUT CIRCUIT BREAKER; RATING AS SHOWN ON PLANS				OCCUPANOVIJCUT CONTROL CHUTCU, CEUING MOUNTED	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
	DRAWOOT CIRCOTT BREAKEN, NATING AS SHOWN ON FEARS			OS)	OCCUPANCY LIGHT CONTROL SWITCH; CEILING MOUNTED	PH	PHASE
•	STATIONARY - CIRCUIT BREAKER; RATING AS SHOWN ON PLANS			HQ)	OCCUPANCY LIGHT CONTROL SWITCH; WALL MOUNTED	PP	POWER POLE
						PTS PVC	PNEUMATIC TUBE STATION POLYVINYL CHLORIDE CONDUIT
•	DISCONNECT; RATING AS SHOWN ON PLANS			©S _X	C = DUAL TECH WITH CORRIDOR PATTERN H = DUAL TECH WITH HIGH BAY SENSOR	(R)	RELOCATE EXISTING
1					V = DUAL TECH WITH VACANCY SENSOR MODE	RSC	RIGID STEEL CONDUIT
_	SWITCH AND FUSE; RATING AS SHOWN ON PLANS					SPD	SURGE PROTECTION DEVICE
>				PS	PHOTOSENSOR; CEILING MOUNTED	SPDT SPST	SINGLE POLE, DOUBLE THROW SINGLE POLE, SINGLE THROW
=/~	INVERTER			(DC)	D - DIMMAINIC	ТВ	TERMINAL BACKBOARD
<u> </u>				(PS) _X	D = DIMMING S = SWITCHED	TC	TERMINAL CABINET
<u></u>	GROUNDING POINT			EV	ELECTRIC VEHICLE CHARGING STATION	TEL UON	TELEPHONE UNLESS OTHERWISE NOTED
NA A	LITHITY METER			, .		VFD	VARIABLE FREQUENCY DRIVE
M	UTILITY METER				HORN/STROBE COMBINATION; CEILING MOUNTED	W	WEATHERPROOF
					HORN/STROBE COMBINATION; WALL MOUNTED	WAP	WIRELESS ACCESS POINT
				, `		W/ (X)	WITH REMOVE EXISTING
						XFMR	TRANSFORMER
						XP	EXPLOSION PROOF
ONDU	IIT SYMBOLS	TELECO	OM SYMBOLS	DESIGN	NATION SYMBOLS	LEGEND	NOTES:
YMBOL	IDENTIFICATION	SYMBOL	IDENTIFICATION	SYMBOL	IDENTIFICATION	B. SYM	SYMBOLS MAY NOT BE USED IN THIS PROJECT. MBOLS DO NOT ALWAYS REPRESENT REAL LIFE DIMENSION BOOK SPECIFICATIONS FOR ADDITIONAL INFORMATION.

CONDUIT INSTALLED ABOVE FINISHED FLOOR OR GRADE

CONDUIT HOMERUN; ROUTE TO PANELBOARD, CABINET, OR TERMINAL BOARD INDICATED, AND TERMINATE CONDUCTORS

TO CIRCUIT OVER CURRENT PROTECTIVE DEVICE

INDICATES CONDUIT TURNING UP

- → → CONDUIT INSTALLED BELOW FINISHED FLOOR OR BELOW GRADE

▼ TELEPHONE/DATA OUTLET

RG-6 TV CONNECTION LOCATION

IN-UNIT LOW VOLT DISTRIBUTION BOX.

C = CEILING MOUNTED; BACK BOX ONLY FOR FUTURE WAP UNLESS OTHERWISE NOTED

GRID LINE DESIGNATOR

FEEDER DESIGNATION TAG

MECHANICAL EQUIPMENT TAG

CONTRACTOR EQUIPMENT TAG

REVISION DELTA WITH REVISION NUMBER

LETTER INDICATES FIXTURES CONTROL (WHERE SHOWN)

NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)

SHEET KEYNOTE TAG

- C. SEE BOOK SPECIFICATIONS FOR ADDITIONAL INFORMATION. D. SEE DETAIL SHEETS FOR TYPICAL MOUNTING HEIGHTS OF DEVICES.

GENERAL NOTES:

- A. SEE DIV 28 SPECS FOR APPROVED CARD ACCESS CLOUD-BASED DOOR ACCESS SYSTEMS. FOR BIDDING PURPOSES, INCLUDE ALL UP FRONT COSTS ASSOCIATED WITH NEW SYSTEM TO INCLUDE BUT NOT LIMITED TO: LICENSING, SUBSCRIPTIONS, WEBHOSTING, AND MAINTENANCE.
- B. ALL EXISTING CARD ACCESS SYSTEM HEAD END EQUIPMENT TO BE REPLACED WITH NEW DOOR ACCESS
- SYSTEM HEAD END EQUIPMENT IN THE DISTRICT OFFICE. RETURN EXISTING EQUIPMENT TO DISTRICT
- C. REMOVE AND REPLACE ALL EXISTING DOOR ACCESS SYSTEM CONTROL PANELS (SEE SYMBOLS LEGEND E001 AND FLOOR PLANS) WITH NEW SYSTEM DOOR ACCESS CONTROLLERS. D. ALL EXISTING CARD READERS TO REMAIN "AS IS."
- E. PROVICE NEW CARD ACCESS DOOR READERS LINE ITEM COST FOR REPLACEMENT WITH NEW PER SYSTEM BID:
- INCLUDE LABOR, MATERIALS, AND MARK-UP IN LINE ITEM COST.
- G. INCLUDE (2) ADDED DOORS IN BID: (1) @ TRANSPORTATION FACILITY AND (1) @ MAINTENANCE. H. PROVIDE LINE ITEM COST FOR ADDED DOOR LOCATIONS: INCLUDE ROUGH-IN AND TRIM AND ANY ASSOCIATED
- OVERHEAD. I. PROJECT IS SUBJECT TO PREVAILING WAGES AS OF JULY 01, 2022.
- K. ACCESS CONTROLLER SWAP/INSTALLATIONS TO OCCUR DURING OFF-HOURS, WEEKENDS, AND/OR HOLIDAY BREAKS. CONTRACTOR TO SCHEDULE ACCESS WITH DISTRICT PERSONNEL. ASSUME PROJECT TO BE COMPLETED
- BY END OF DECEEMBER 2022.

L. CONTRACTOR TO COORDINATE WITH IT	DEPARTMENT FOR HEAD	END EQUIPMENT RACK SPACE
DAVID HICKS (541) 475-8261.		

SYMBOLS	DESCRIPTION	NOTES
FACP	FIRE ALARM CONTROL PANEL - EXISTING	
	ELECTRICAL POWER PANEL - EXISTING	
SEC	SECURITY SYSTEM CONTROL PANEL	
AC	DOOR ACCESS SYSTEM CONTROL PANEL	
CR	DOOR ACCESS - CARD READER - WEATHERPROOF	
DC	DOOR CONTACT (POSITION SWITCH)	
PT	POWER TRANSFER ELECTRIFIED HINGED WITH INTEGRAL REX	
MS	SECURITY MOTION SENSOR	
Ad	SECURITY ALARM SIREN WITH BLUE FLASHING LIGHT	
#	KEYED NOTE, REFER TO NOTE AS INDICATED	
X	INDICATES EXISTING TO REMAIN	
1	120V HOMERUN CIRCUIT (0.5" CONDUIT, 2 #12, 1 #12 GROUND)	

DRAWING INDEX					
SHEET #	SHEET NAME				
E001	ELECTRICAL COVER				
E201	MADRAS HIGH SCHOOL				
E202	JEFFERSON COUNTY MIDDLE SCHOOL				
E203	MADRAS ELEMENTARY				
E204	BUFF ELEMENTARY				
E205	METOLIUS ELEMENTARY				
E206	BRIDGES HS				
E207	WARM SPRINGS K-8 SECTOR A				
E208	WARM SPRINGS K-8 SECTOR B				
E209	WARM SPRINGS K-8 SECTOR C				
E210	WARM SPRINGS K-8 SECTOR D				
E301	DETAILS				

COLEBREIT ENGINEERING XIOM ENGINEERS BEND | CORVALLIS

MONTEREY | NAPA | SANTA CRUZ

REVISION SCHEDULE

06/30/2022 BID SET

JOB NUMBER: 20220390

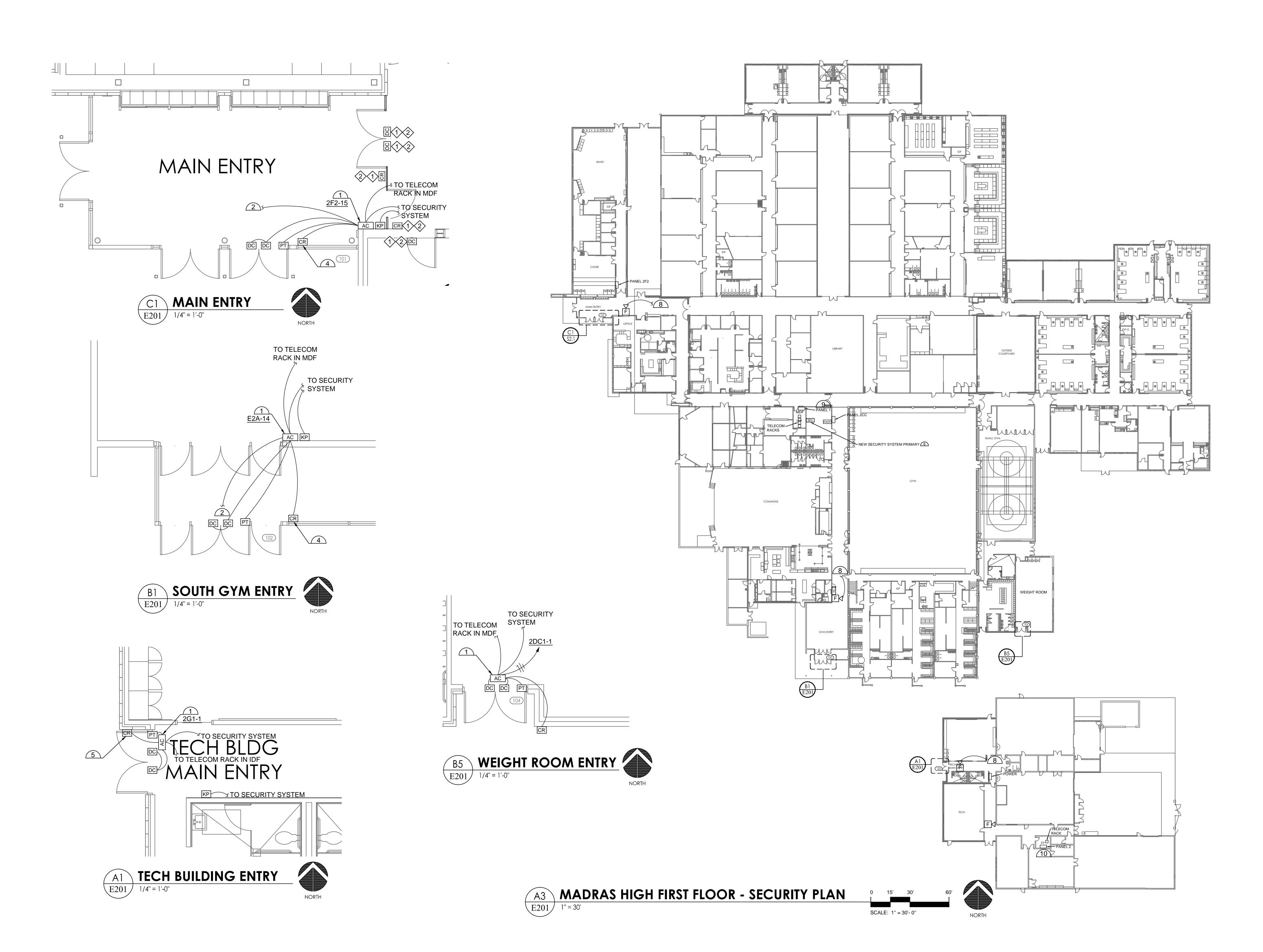
ELECTRICAL COVER

SHEET TITLE

SHEET NUMBER

CONTRACTOR TO INSTLALL DOOR CONTACTS AND CARD READER AT THIS LOCATION FOR ADDED DOUBLE DOOR

SEE E301 FOR SYSTEM CABLING CALL OUTS





JCSD SECURITY SYSTEM
Madras High School - 390 SE 10th Street, Madras, Or 977
MADRAS, OREGON

A REVISION SCHEDULE

BID SET 06/30/2022

JOB NUMBER: 20220390

SHEET TITLE

MADRAS HS

SHEET NUMBER

E202 NO SCALE



REVISION SCHEDULE

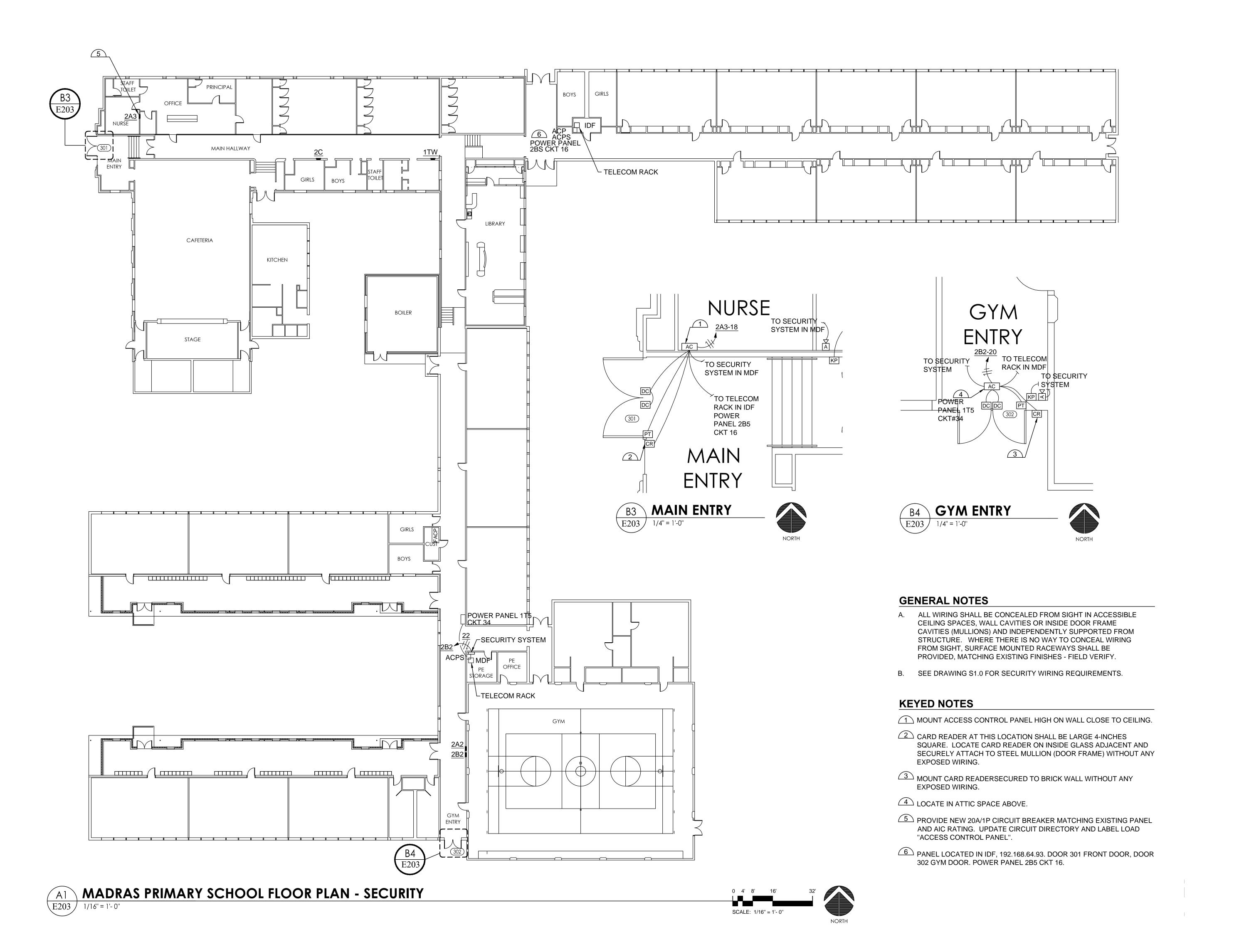
BID SET 06/30/2022

JOB NUMBER: 20220390

SHEET TITLE

JEFFERSON **COUNTY MS**

SHEET NUMBER



COLE ENGINEERING



BEND | CORVALLIS MONTEREY | NAPA | SANTA CRUZ

REVISION SCHEDULE

06/30/2022

JOB NUMBER: 20220390

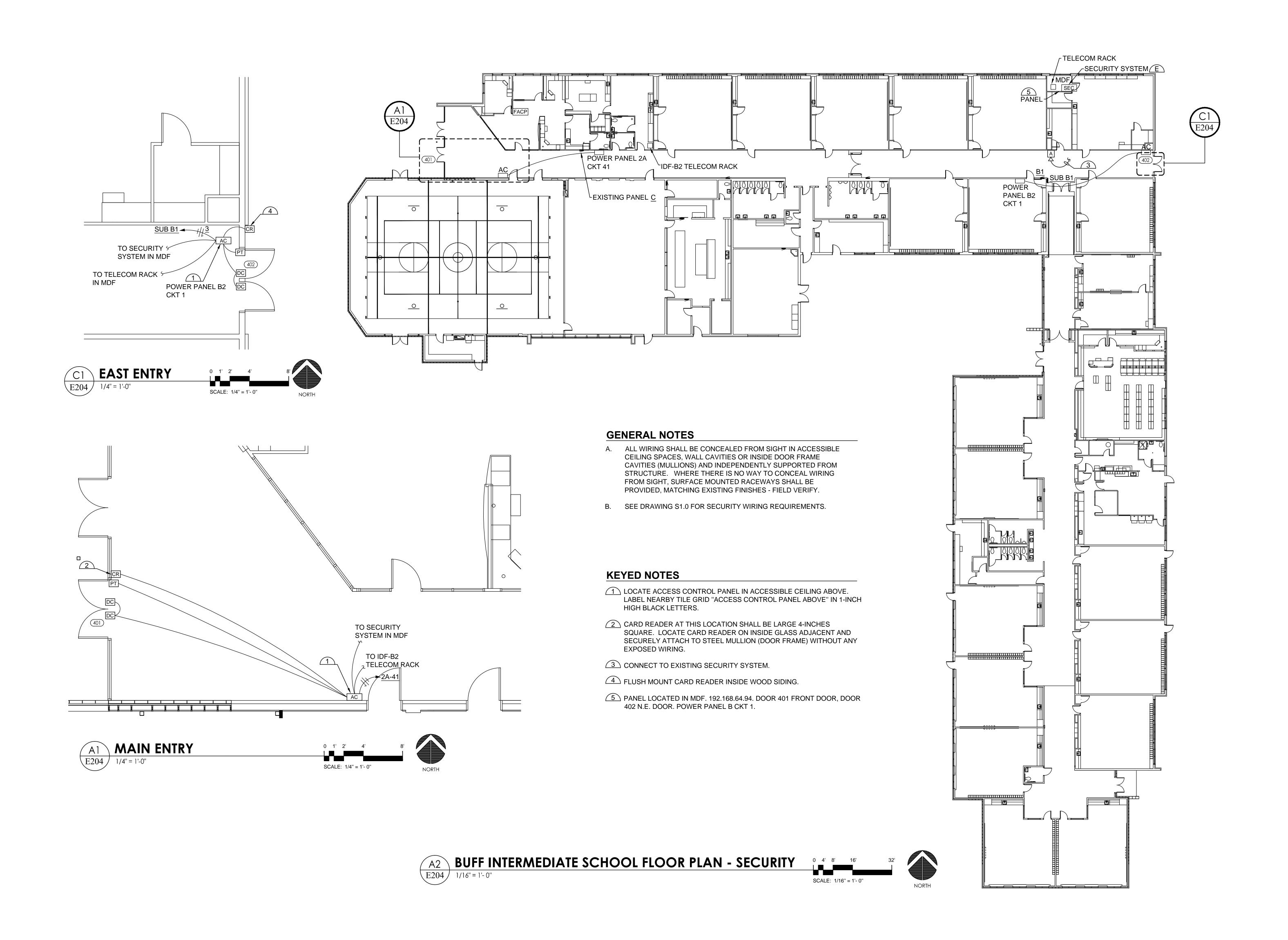
BID SET

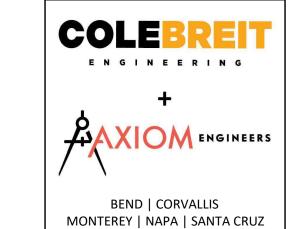
SHEET TITLE

MADRAS

ELEMENTARY

SHEET NUMBER





JCSD SECURITY SYSTEM
BUFF ELEMENTARY, 375 SE BUFF ST
MADRAS, OREGON

REVISION SCHEDULE

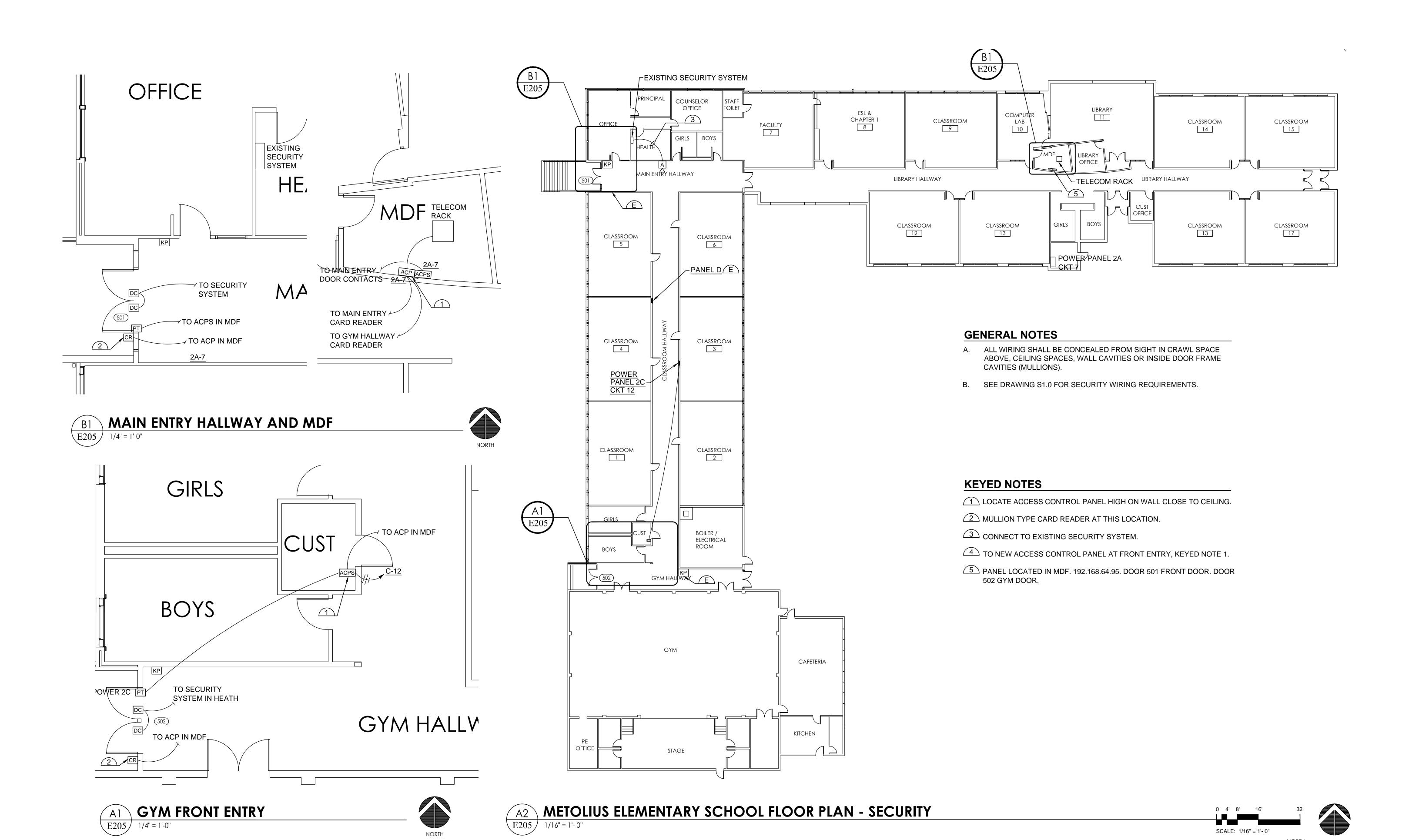
BID SET 06/30/2022

JOB NUMBER: 20220390

SHEET TITLE

BUFF ELEMENTARY

SHEET NUMBER





REVISION SCHEDULE

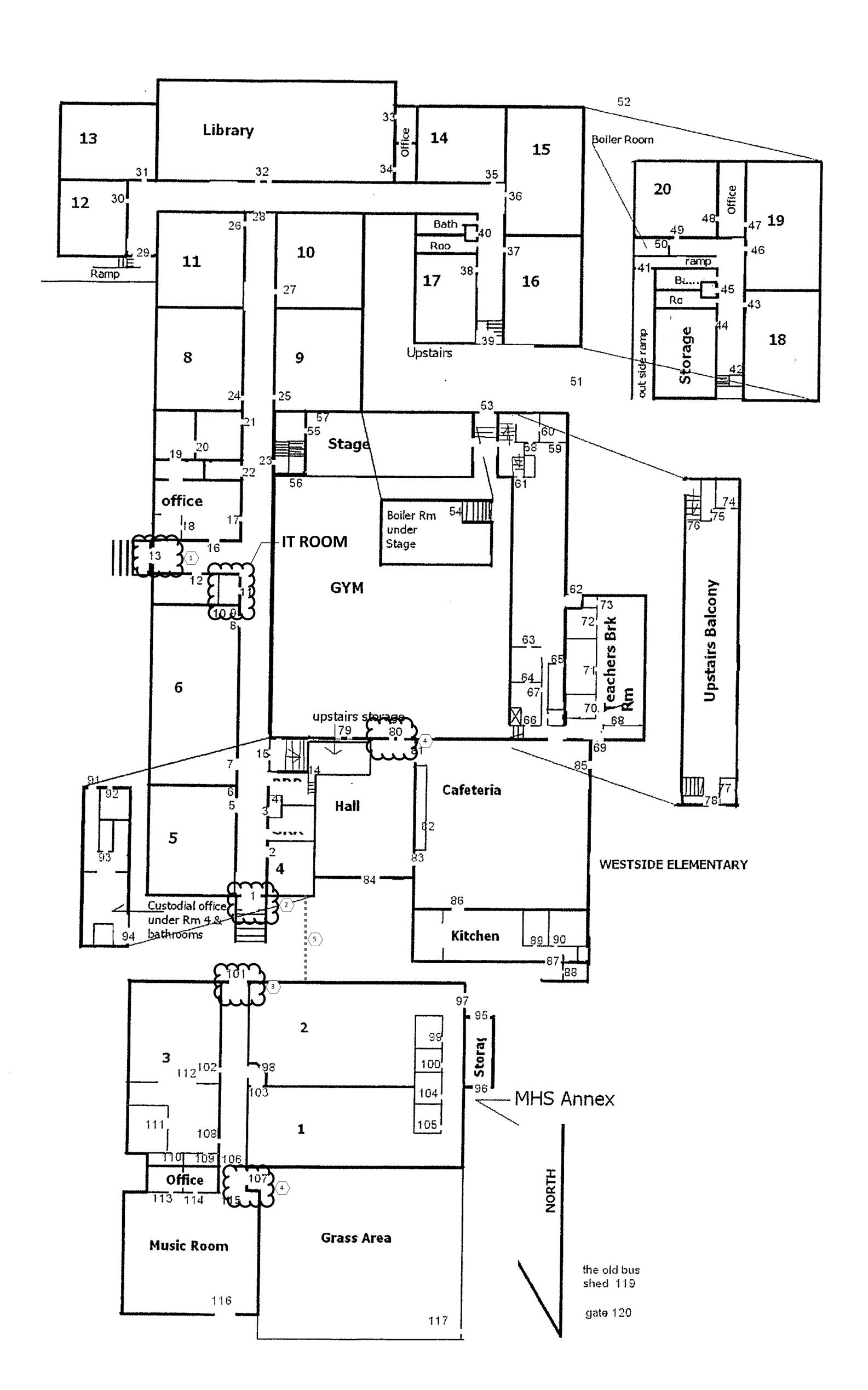
06/30/2022 BID SET

JOB NUMBER: 20220390

SHEET TITLE

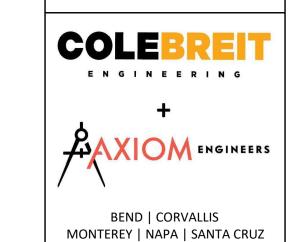
METOLIUS ELEMENTARY

SHEET NUMBER



SHEET NOTES:

- 1. PROVIDE NEW CONTROLLER AT EXISTING TRIPLE DOOR
- PROVIDE NEW CONTROLLER AT EXISTING DOUBLE DOOR
 PROVIDE NEW CONTROLLER, READER, DOOR CONTACTS, AND ASSOCIATED ROUGH IN AND TRIM FOR NEW SINGLE DOOR LOCATION. SEE E301 FOR DETAILS, CONFIRM WITH IT DEPT FOR ACCESS TO IT ROOM AND HEAD
- END TERMINATIONS.
 4. PROVIDE NEW CONTROLLER, READER, DOOR CONTACTS, AND ASSOCIATED ROUGH IN AND TRIM FOR NEW DOUBLE DOOR LOCATION. SEE E301 FOR DETAILS CONFIRM WITH IT DEPT FOR ACCESS TO IT ROOM AND HEAD END TERMINATIONS.
- 5. EXISTING 2" PVC FROM IT ROOM TO ANNEX.



JCSD SECURITY SYSTEM
BRIDGES HIGH SCHOOL 410 SW 4TH ST
MADRAS, OREGON

REVISION SCHEDULE

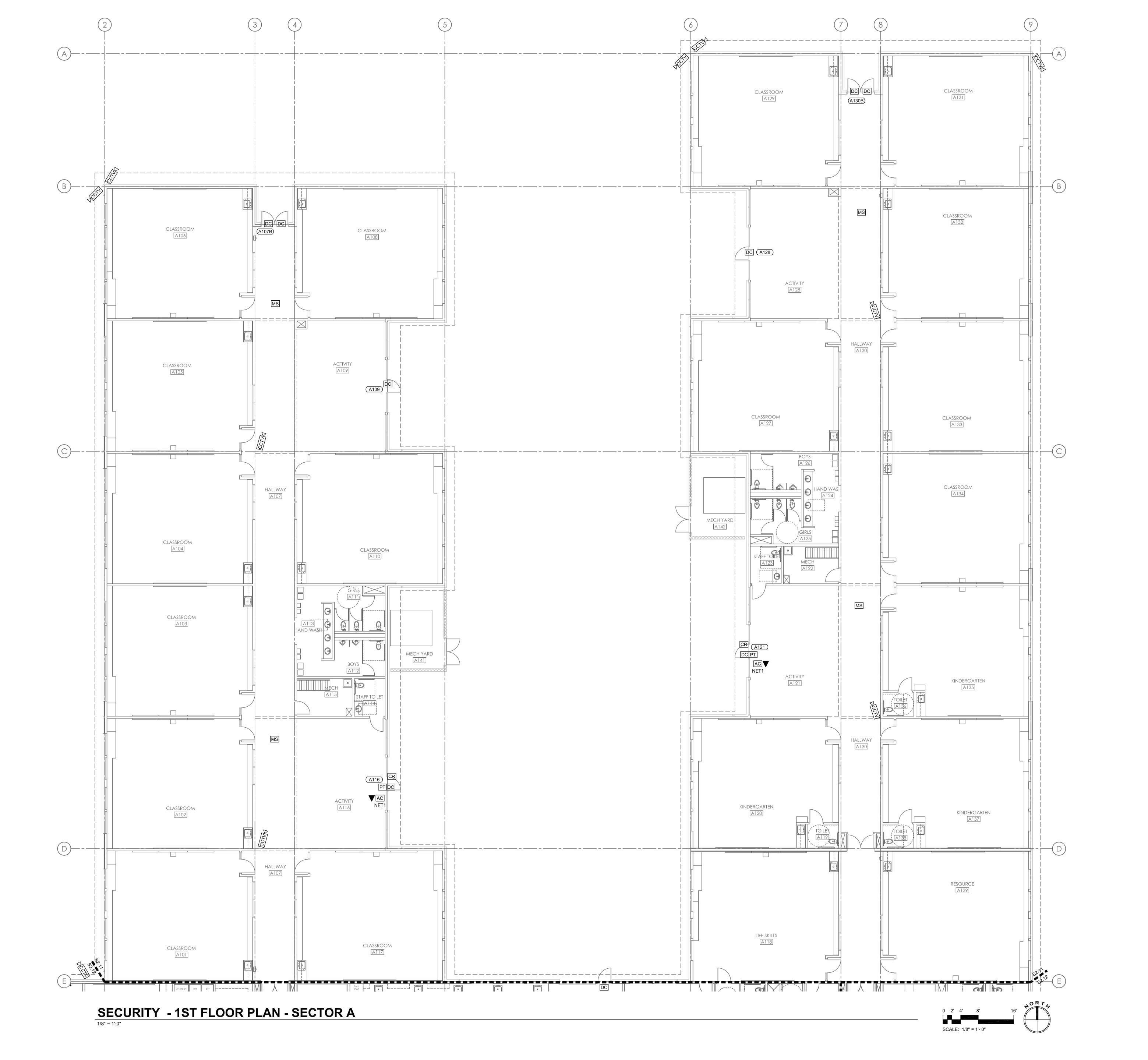
BID SET 06/30/2022

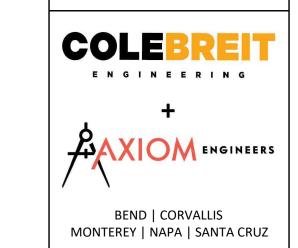
JOB NUMBER: 20220390

SHEET TITLE

BRIDGES HS

SHEET NUMBER





JCSD SECURITY SYSTEM WARM SPRINGS: K-8 SCHOOL

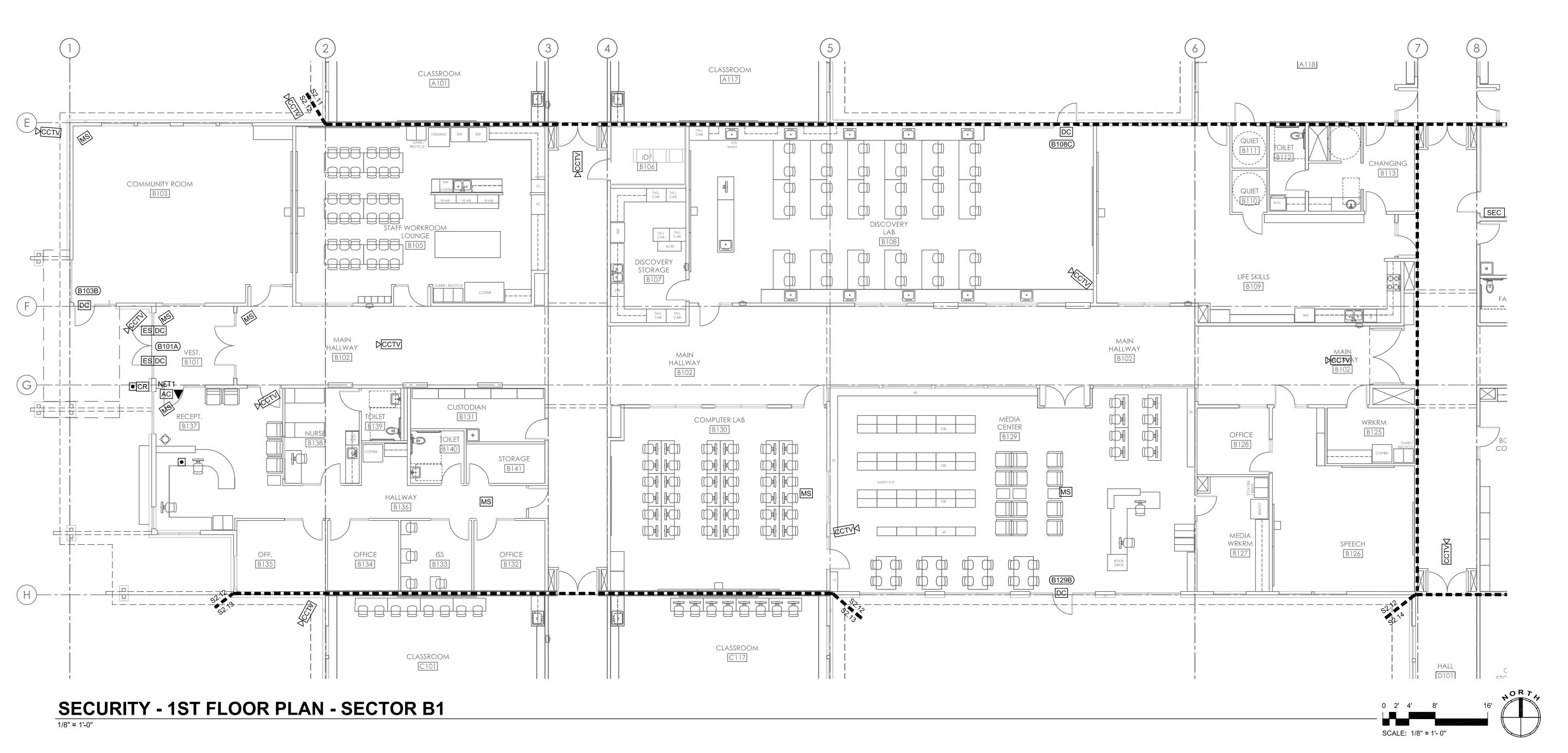
A REVISION SCHEDULE

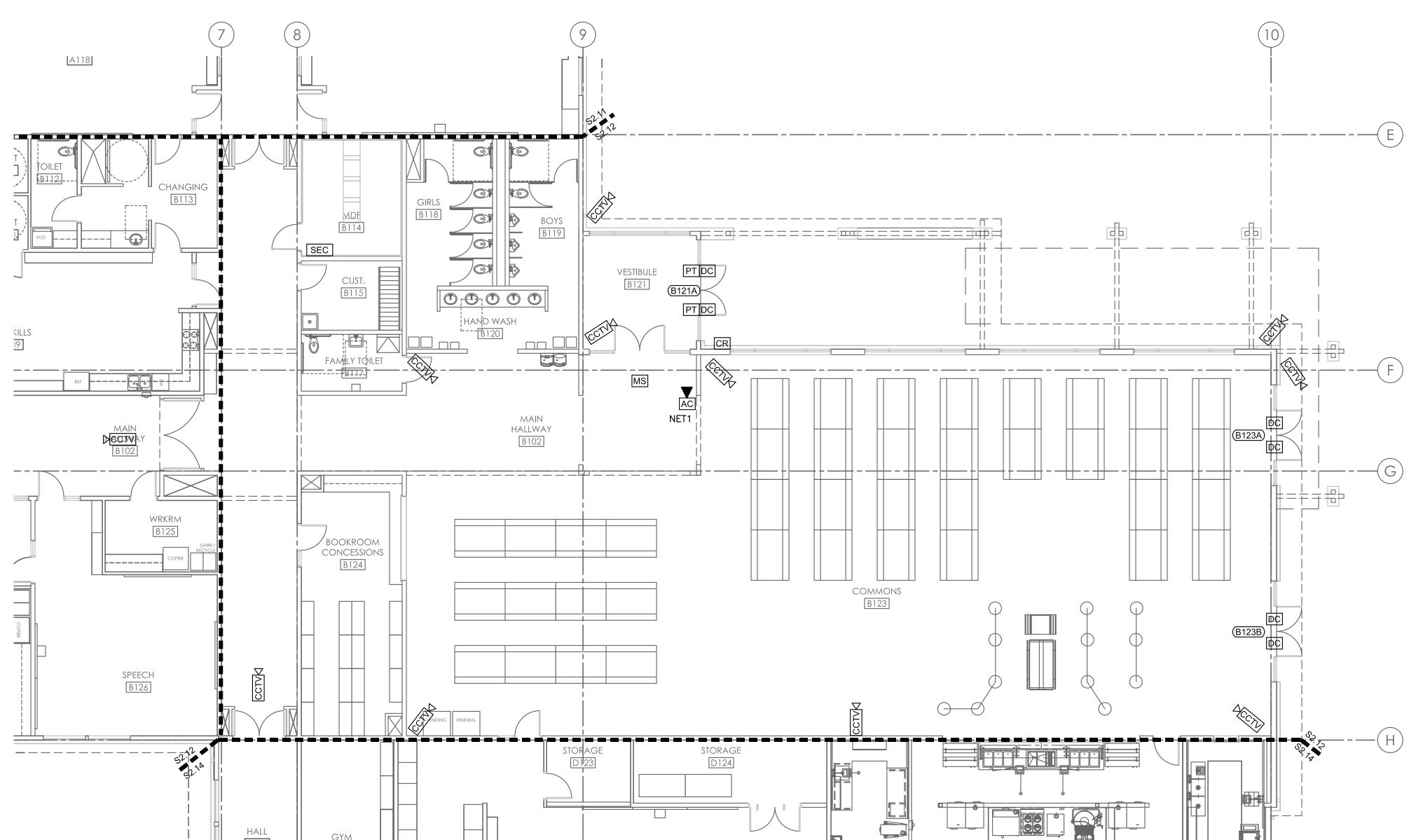
BID SET 06/30/2022

JOB NUMBER: 20220390
SHEET TITLE

WARM SPRINGS K-8 SECTOR A

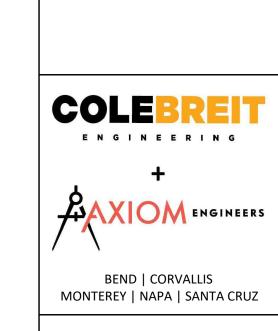
SHEET NUMBER





SECURITY - 1ST FLOOR PLAN - SECTOR B2





JCSD SECURITY SYSTEM
WARM SPRINGS: K-8 SCHOOL
50 CHUKAR ROAD

A REVISION SCHEDULE

BID SET 06/30/2022

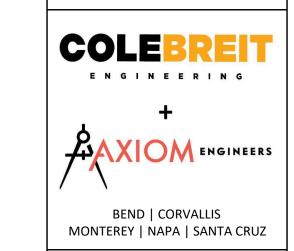
JOB NUMBER: 20220390
SHEET TITLE

WARM SPRINGS K-8

SECTOR B

E208

SHEET NUMBER



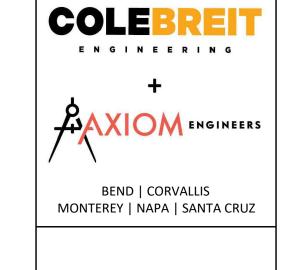
JCSD SECURITY SYSTEM WARM SPRINGS: K-8 SCHOOL 50 CHUKAR ROAD

BID SET 06/30/2022

JOB NUMBER: 20220390
SHEET TITLE

WARM SPRINGS K-8 SECTOR C

SHEET NUMBER



JCSD SECURITY SYSTEM WARM SPRINGS: K-8 SCHOOL 50 CHUKAR ROAD

REVISION SCHEDULE

BID SET 06/30/2022

JOB NUMBER: 20220390

SHEET TITLE

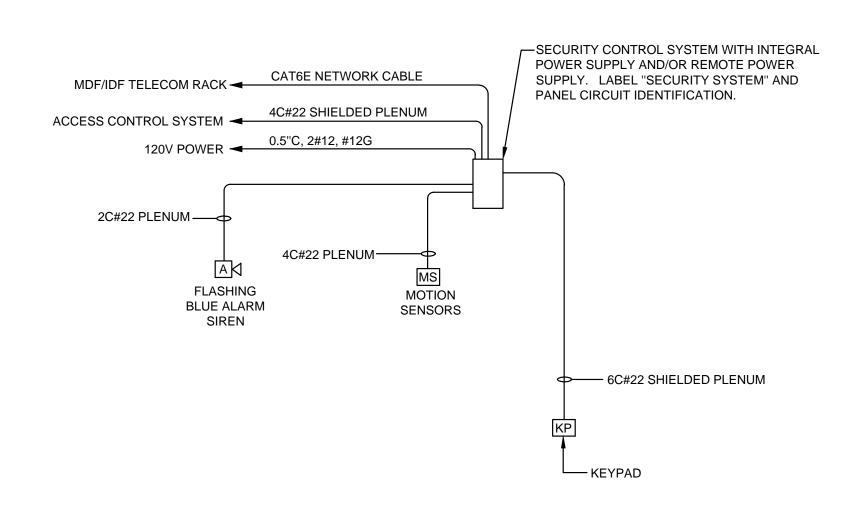
WARM SPRINGS K-8 SECTOR D

SHEET NUMBER

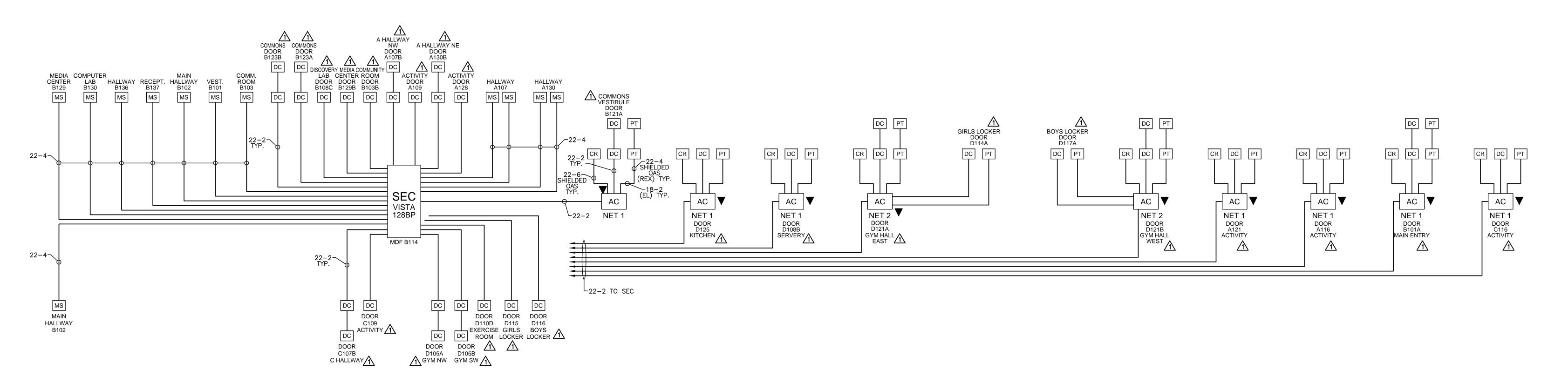
E210

SECURITY - 1ST FLOOR PLAN - SECTOR D

ACCESS CONTROL SYSTEM WIRING DIAGRAM



SECURITY SYSTEM WIRING DIAGRAM



ACCESS CONTROL DIAGRAM SCALE: N.T.S.

LEGEND:

- SEC SECURITY ALARM CONTROL PANEL, HONEYWELL VISTA 128BP

 CR DOOR ACCESS—CARD READER
- SECURITY DOOR CONTACT, GE 1078
- ACCESS CONTROL PANEL. NET1, NETAXS 123 (ONE DOOR
- NET1 CONTROLLER) NX1MPS
- ACCESS CONTROL PANEL. NET2, NETAXS 123 (TWO DOOR
- NET2 CONTROLLERS) NX1MPS & NXD1
- DOOR POWER TRANSFER (PANIC BAR DOOR HARDWARE)
 WITH INTEGRAL ELECTRIC STRIKE AND REQUEST TO EXIT

 SECURITY MOTION SENSOR, UTC FIRE & SECURITY VE735
- CCTV CCTV SECURITY SURVEILLANCE CAMERA (DESIGN BY OTHERS)

 (1EA) CAT6 TO MDF/IDF

COLEBREIT
ENGINEERING

+

AXIOM ENGINEERS

BEND | CORVALLIS

MONTEREY | NAPA | SANTA CRUZ

U VECURII Y OYOIEN

A REVISION SCHEDULE

JOB NUMBER: 20220390

SHEET TITLE

SHEET NUMBER

DETAILS