DOCUMENT 00 90 00 ADDENDUM

ADDENDUM NO. [2] Date: March 25, 2021

RE: WITC – SHELL LAKE CAMPUS

HEALTH EDUCATION CENTER

505 PINE RIDGE DR SHELL LAKE, WI 54871 HSR PROJECT NO. 20022-1

FROM: HSR Associates, Inc

100 Milwaukee Street La Crosse, WI 54603 (608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated March 2021. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [2] pages and [3] 30 x 42 drawings.

GENERAL REQUIREMENTS:

- 1. Section 01 10 00 SUMMARY
 - a. 1.10: Add the following adjustment to Substantial Completion;

Exterior concrete and asphalt work completed by September 30, 2021. Final Turf Restoration by October 8, 2021.

If grass is not fully established and acceptable prior to winter freeze up in 2021, revisit the project the week of June 1, 2022 to inspect the site conditions with the Owner/Architect/Engineer to review the status of the re-vegetation effort at the site. If area(s) are determined to need additional restoration effort in early summer of 2022, that work will be completed as a warranty work item, allowing the project to be closed out in 2021.

CHANGES TO SPECIFICATIONS:

- 2. Section 08 71 00 DOOR HARDWARE
 - a. 3.04: Hardware Group 4. The lockset for this door shall be locked from Hallway 100C side to prevent entrance into Hallway 100C

CHANGES TO DRAWINGS

- 3. Sheet E001 ELECTRICAL NOTES, LEGENDS AND ABBREVIATIONS 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Remove General Electrical note #20.
 - c. Revise responsibility matrix.

- 4. Sheet E131 FIRST FLOOR SYSTEMS PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Add view "THRU FLOOR COORDINATION".
 - c. Add notation that existing fire alarm system is Simplex.
- 5. Sheet E133 BLUE LIGHT ALERT SYSTEM 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Remove Atertus System.

PRIOR APPROVALS

- 1. Section 08 42 43 INTENSIVE CARE UNIT / CRITICAL CARE UNIT ENTRANCES:
 - a. Tormax: TX9600TL ICU/CCU Manual Sliding Door

END OF DOCUMENT 00 90 00

ltem		Elec Contractor (MEP Documents)	By Owner	Notes
Data system				
	IT Server Equip		х	Exsiting system in place
	Rack		x	Utilize existing data racks
	Patch panels		x	
	Patch cords		x	taken care of by school IT
	WAP		х	Cabling to be provided by EC
	Computers		×	
	Monitors/projectors		х	EC to provide power and pathway for owner provided HDMI cable to the teacher station, or as shown on plans.
	Printers		х	
	Fax machines		x	
	Phones		X	
	Cabling, labeling, Terminate and Test	V	^	Cabling would be Cat6a
		X		Cability would be Catoa
	IT system setup, start-up and commissioning	X		
	Conduit for cabling	X		
	Power to WAP & Data Racks	X		
Security Syster	m			
	Cameras		х	Camera to be provided by the school district
	Cabling, labeling, Terminate and Test	х		Cabling to be data cabling, POE
	Conduit for cabling	x		
	Security system setup, start-up and commissioning	1	×	
	, , , , , , , , , , , , , , , , , , , ,	1		
Door Access				
	Door contacts			Much of the door access system would be in the hardware specs by the architec
	Card reader	V		HID Proximity Reader
		X		The Fronting Road of
	Power supplies	X		
	Cabling	X		
	Conduit and box	X		0000 10
	Door Access system setup, start-up and commissioning	Х		Ccure 9000 door access system (Provided by EC), Card Access system to be programmed by Johnson Controls, - Duluth Branch
Clocks/Bell Sys	Headend Equipment Room Clocks Equip install, System setup, testing and terminations	X X	X X X X X X	Cabling to be data cabling Exisitng wireless clock system provided by the owner
	Headend Equipment		х	Exsiting PA system to be extended. System by audio arch, bogen system.
	Speakers	х		Bogen S8 Series with recessed volume control
	Equip install, System setup, testing and terminations	х		
Blue Light Fme	ergancy System			
	Equip install, System setup, testing and terminations	×		Blue Light system shall be provided to notify the security monitoring company
	Conduit	X		and activate all Blue Lights throughout the building.
Security Syste	m			
. ,	Headend Equipment	х		
	· ·			
	Motion sensors and door contacts	х		any existing to remain
	Glass break sensors Equip install, System setup, testing and terminations	v		any existing to remain
	equip install, system setup, testing and terminations	X		
fire alarm		Х		Simplex Fire Alarm System
		-		Lithonis nLight system to be connected to BAS and accessible from outside

TYPE	DESCRIPTION	MANUFACTURER	REFERENCE CATALOG#	LAMPS	VOLTS
A	2x4 VOLUMETRIC RECESSED: LED, 4000K, 4000 LUMENS, DIM TO 1%	LITHONIA	2BLT4 40L ADP EZ1 LP840 N80	LED 4000K 4000 LUMENS	UNV
ΑE	SAME AS TYPE A EXCEPT ADD 1400 LUMEN BATTERY PAK			31W	
A2	2x4 VOLUMETRIC RECESSED: LED, 4000K, 6000 LUMENS, DIM TO 1%	LITHONIA	2BLT4 60L ADP EZ1 LP840 N80	LED 4000K 6000 LUMENS 48W	UNV
В	2x2 VOLUMETRIC RECESSED: LED, 4000K, 3300 LUMENS, DIM TO 1%	LITHONIA	2BLT2 33L ADP EZ1 LP840 N80	LED 4000K 3300 LUMENS	UNV
BE	SAME AS TYPE B EXCEPT ADD 1400 LUMEN BATTERY PAK 6" DOWNLIGHT: LED, 4000K, 1500 LUMENS, DIMMING	LITHONIA	LDN6 40/15 LO6AR LSS MVOLT EZ1	26W LED 4000K	UNV
C CE	SAME AS TYPE C EXCEPT ADD BATTERY PAK	LITHONIA	LDING 40/15 LOGAR LSS MVOLT EZT	1500 LUMENS 21W	UNV
D	VANITY LIGHT: 48" LED, 4000K, 3000 LUMENS, DIMMING	LITHONIA	BLWP4 30L ADP EZ1 LP840	LED 4000K 3000 LUMENS 25W	UNV
D2	VANITY LIGHT: 24" LED, 4000K, 3300 LUMENS, DIMMING	LITHONIA	BLWP2 33L ADP EZ1 LP840	LED 4000K 3300 LUMENS 30W	UNV
Ø	EXIT SIGN: RED LETTERS, BRUSHED ALUMINUM FINISH, BATTERY	LITHONIA	EDGR RMR EL	LED 4W	UNV
F	2x4 TROFFER: LED, 4000K, 6000 LUMENS, DIM TO 0.1%	LITHONIA	2TL4 60L FW A12 EZB LP840 N80	LED 4000K 6000 LUMENS 47W	UNV
F2	2x4 TROFFER: LED, 4000K, 4800 LUMENS, DIM TO 1%	LITHONIA	2TL4 48L FW A12 EZ1 LP840 N80	LED 4000K 4800 LUMENS 40W	UNV
F3	2x2 TROFFER: LED, 4000K, 4000 LUMENS, DIM TO 0.1%	LITHONIA	2TL2 40L FW A12 EZB LP840 N80	LED 4000K 4800 LUMENS 35W	UNV
G	1x4 VOLUMETRIC RECESSED: LED, 4000K, 4000 LUMENS, DIM TO 1%	LITHONIA	BLT4 40L ADP EZ1 LP840 N80	LED 4000K 4000 LUMENS	UNV
GE	SAME AS TYPE A EXCEPT ADD 1400 LUMEN BATTERY PAK	LITHONIA	L DNODY 40/00 L D0 AD L 00 M/OLT 574	31W	LINDY
Н	8" DOWNLIGHT RETROFIT: LED, 4000K, 2000 LUMENS, DIMMING	LITHONIA	LDN8RV 40/20 LR8AR LSS MVOLT EZ1	LED 4000K 2000 LUMENS 23W	UNV
J	3' LINEAR EXTERIOR FIXTURE: LED, 4000K, DIMMING, FORWARD THROW	SPI LIGHTING	SEW12145 120-277 4000K DF BRK	LED 4000K 2000 LUMENS 21W	UNV
K	WAL PAK: LED, 4000K, 3000 LUMEN, FORWARD THROW	LITHONIA	ARC1 LED P3 40K MVOLT E4WH DBLXD	LED 4000K 3000 LUMENS 25W	UNV
LE	DECORATIVE PENDANT: LED, 4000K, DIRECT/INDIRECT LIGHTING, DIMMING, CABLE MOUNT	LITE CONTROL	32LCR30 PID C1/AC1 40K1075 D200R230DO1UNC	LED 750LUMEN UP 2000 LUMEN DN 2300 LUMEN RING	
М	DECORATIVE PENDANT: WHITE GLASS, 13W GU24 LAMP	LITHONIA	11994 GW	LED 4000K LAMP 13W	120
AL	ALARM LIGHT	ALERTUS	-	LED	120
(BLUE LIGHT	ALERTUS	-	LED	120

	EQUIPMENT COORDINATION SCHEDULE																		
			MCA		CONDUCTORS					STARTER			DISCONNECT						
j	DESCRIPTION	HP / KW	MOCP RLA/FLA	VOLT	PH	N	GND	CONDUIT	CONDUIT LOCATION	LOCATION PANEL	PANEL BRE	BREAKER	TYPE	FURNISHED BY	INSTALLED BY	TYPE	FURNISHED BY	INSTALLED BY	NOTE
	AIR HANDLER UNIT		50 MOCP	208/3	#6		#10	1"	EXTERIOR	Н	50/3	VFD	MFG	MFG	VFD	MFG	MFG	2	
	POWERED EXHAUST	1 HP	14.4 MOCP	208/3	#12		#12	3/4	EXTERIOR	Н	15/3	VFD	MFG	MFG	VFD	MFG	MFG	3	
	EXHAUST FAN	1/4 HP	5.8 FLA	120	#12		#12	3/4	SEE PLAN	G	20/1	INT	MFG	MFG	INT	MFG	MFG		
	EXHAUST FAN	1/4 HP	5.8 FLA	120	#12		#12	3/4	ROOF	F	20/1	INT	MFG	MFG	INT	MFG	MFG		
	CABINET UNIT HEATER	1/15 HP	0.45 A	120	#12		#12	3/4	200F	SALVAGE	20/1	INT	MFG	MFG	INT	MFG	MFG		
	CIRC. PUMP	1/20 HP	0.8 FLA	120	#12		#12	3/4	SEE PLAN	SEE PLAN	20/1	NF	EC	EC	NF	EC	EC	1	

GENERAL NOTES: COORDINATE INSTALLATION OF MOTORS WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS.

CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. MCA=MINIMUM CIRCUIT AMPS; MOCP=MINIMUM OVER CURRENT PROTECTION; RLA=RATED LOAD AMPS; FLA=FULL LOAD AMPS

EC=ELECTRICAL CONTRACTOR, MC=MECHANICAL CONTRACTOR, INT=INTEGRAL TO UNIT

PROVIDE HP RATED TOGGLE SWITCH AT UNIT AS DISCONNECTING MEANS.

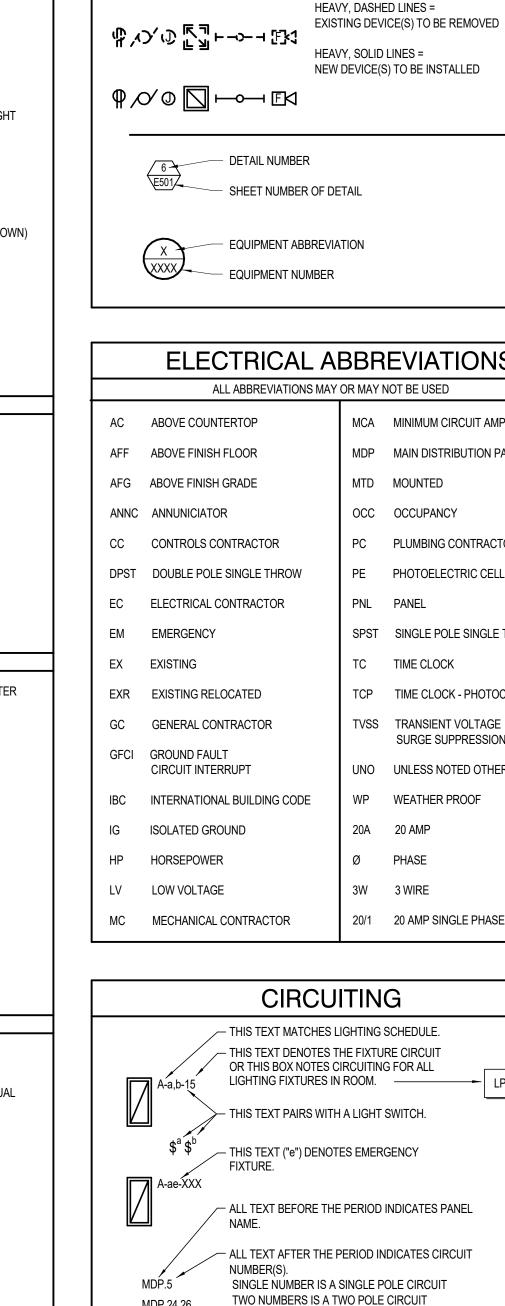
HEAT HEATER

HEAT HEATER

SINGLE POINT POWER CONNECTION. UNIT SHALL BE FIELD WIRED TO AHU-4 BY EC. UNIT PROVIDED WITH INTERNAL 12AMP FUSE. COORDINATE WITH HVAC CONTRACTOR.

	LIGHT FIXTURE	SCHEDU	ILE				ELECTRICAL S	SYMBOLS	S LEGEND
/PE	DESCRIPTION	MANUFACTURER	REFERENCE CATALOG#	LAMPS	VOLTS		RECEPTACLES		LIGHTING
A	2x4 VOLUMETRIC RECESSED: LED, 4000K, 4000 LUMENS, DIM TO 1%	LITHONIA	2BLT4 40L ADP EZ1 LP840 N80	LED 4000K 4000 LUMENS	UNV	Ψ	20A, 120V, 2P, 3W GROUNDING DUPLEX RECEPTACLE		TROFFER STYLE FIXTU
\E \2	SAME AS TYPE A EXCEPT ADD 1400 LUMEN BATTERY PAK 2x4 VOLUMETRIC RECESSED: LED, 4000K, 6000 LUMENS, DIM TO 1%	LITHONIA	2BLT4 60L ADP EZ1 LP840 N80	31W LED 4000K 6000 LUMENS	UNV	Ψ	DUPLEX RECEPTACLE W/USB (SIMILAR TO LEVITON T5832-HG)		FIXTURE ON EMERGENC
	0.0 VOLUMETRIO DE 05005D. LED. 4000V. 0000 LUMENO. DIM TO 40V	LITLIONIA	ODI TO 001 ADD 574 D040 N00	48W	LIND	P	GFCI DUPLEX RECEPTACLE	\longmapsto	STRIP LIGHT
В	2x2 VOLUMETRIC RECESSED: LED, 4000K, 3300 LUMENS, DIM TO 1%	LITHONIA	2BLT2 33L ADP EZ1 LP840 N80	LED 4000K 3300 LUMENS 26W	UNV	φ	SINGLE-PLEX RECEPTACLE	0	SURFACE MTD FIXTURE
C	SAME AS TYPE B EXCEPT ADD 1400 LUMEN BATTERY PAK 6" DOWNLIGHT: LED, 4000K, 1500 LUMENS, DIMMING	LITHONIA	LDN6 40/15 LO6AR LSS MVOLT EZ1	LED 4000K 1500 LUMENS	UNV	₩	QUADPLEX RECEPTACLE	igorphi	PENDANT/SURFACE MT
Œ	SAME AS TYPE C EXCEPT ADD BATTERY PAK	1	DUMP (ON) ADD 57() DO (O	21W	1007	*	WEATHER-PROOF GFCI RECEPTACLE	\(\rightarrow \)	RECESSED/DOWNLIGHT
D	VANITY LIGHT: 48" LED, 4000K, 3000 LUMENS, DIMMING	LITHONIA	BLWP4 30L ADP EZ1 LP840	LED 4000K 3000 LUMENS 25W	UNV	₩	MULTI-PHASE RECEPTACLE	仝	WALL MTD FIXTURE
02	VANITY LIGHT: 24" LED, 4000K, 3300 LUMENS, DIMMING	LITHONIA	BLWP2 33L ADP EZ1 LP840	LED 4000K 3300 LUMENS	UNV	松松松	RECEPTACLE MTD. 6" ABOVE COUNTER OR HEIGHT SHOWN		WALL MTD LINEAR FIXT
	EXIT SIGN: RED LETTERS, BRUSHED ALUMINUM FINISH, BATTERY	LITHONIA	EDGR RMR EL	30W LED	UNV	₩	RECEPTACLE - CEILING MTD	፟፟ጇ	EXIT SIGN (ARROWS INI - SHADING INDICATES # - CEILING MOUNT IS TYI
X				4W			RECEPTACLE - FLOOR MTD	Ø	EXIT SIGN - WALL MOUN
F	2x4 TROFFER: LED, 4000K, 6000 LUMENS, DIM TO 0.1%	LITHONIA	2TL4 60L FW A12 EZB LP840 N80	LED 4000K 6000 LUMENS 47W	UNV	Ю	CLOCK - WALL MOUNTED, BATTERY	4_4	EMERGENCY FIXTURE
-2	2x4 TROFFER: LED, 4000K, 4800 LUMENS, DIM TO 1%	LITHONIA	2TL4 48L FW A12 EZ1 LP840 N80	LED 4000K 4800 LUMENS	UNV		COMMUNICATIONS		COMBO EMERGENCY/E - (ARROW INDICATES D
				40W		Y	TELEPHONE		- (SHADING INDICATES
=3	2x2 TROFFER: LED, 4000K, 4000 LUMENS, DIM TO 0.1%	LITHONIA	2TL2 40L FW A12 EZB LP840 N80	LED 4000K 4800 LUMENS 35W	UNV	平	COMM. OUTLET - "D" = # OF DATA "V" = # OF VOICE	<u> </u>	SWITCHING
G	1x4 VOLUMETRIC RECESSED: LED, 4000K, 4000 LUMENS, DIM TO 1%	LITHONIA	BLT4 40L ADP EZ1 LP840 N80	LED 4000K	UNV		"H" = HDMI OUTLET	φ.	20A, 120/277V SPST SW
GE .	SAME AS TYPE A EXCEPT ADD 1400 LUMEN BATTERY PAK			4000 LUMENS 31W			DATA OUTLET - MTD 6" ABOVE COUNTER OR HEIGHT SHOWN	\$ 3	20A, 120/277V 3-WAY SV
Н	8" DOWNLIGHT RETROFIT: LED, 4000K, 2000 LUMENS, DIMMING	LITHONIA	LDN8RV 40/20 LR8AR LSS MVOLT EZ1	LED 4000K 2000 LUMENS	UNV	Θ	DATA OUTLET - CEILING MTD	\$4 \$D	20A, 120/277V 4-WAY SV
J	3' LINEAR EXTERIOR FIXTURE: LED, 4000K, DIMMING, FORWARD THROW	SPI LIGHTING	SEW12145 120-277 4000K DF BRK	23W LED 4000K	UNV	∇	DATA OUTLET - FLOOR MTD	\$ L	LOW VOLTAGE SWITCH
·				2000 LUMENS 21W		(SP)	CEILING MOUNTED SPEAKER	6	MOTION SENSOR
K	WAL PAK: LED, 4000K, 3000 LUMEN, FORWARD THROW	LITHONIA	ARC1 LED P3 40K MVOLT E4WH DBLXD	LED 4000K 3000 LUMENS	UNV	HSP	WALL MOUNTED SPEAKER	<u>(</u> (s)	CEILING MTD OCC. SEN
Г	DECORATIVE PENDANT: LED, 4000K, DIRECT/INDIRECT LIGHTING, DIMMING, CABLE MOUNT	LITE CONTROL	32LCR30 PID C1/AC1 40K1075 D200R230DO1UNC	25W	D LINI\/	H™	TELEVISION OUTLET	<u>©</u>	PHOTOCELL
-E	DECONATIVE FENDANT. LED, 4000N, DINECT/NUDINECT EIGHTING, DIMINING, CADLE MICONT	LITE GONTROL	322013011111011111011111111111111111111	2000 LUMEN DN 2300 LUMEN RING		VC	SPEAKER VOLUME CONTROL		FIRE ALARM
M	DECORATIVE PENDANT: WHITE GLASS, 13W GU24 LAMP	LITHONIA	11994 GW	LED 4000K LAMP	120	TS	TEACHER STATION QUAD RECEPTACLE, 4 DATA OUTLETS		MANUAL PULL STATION
	ALARM LIGHT	ALERTUS		13W	100	MS	& HDMI OUTLET MONITOR STATION	EX	HORN/STROBE 82" A.F.F
$\stackrel{\vee}{\Phi}$	ALARM LIGHT	ALERTUS	-	LED	120	IWIS]	DUPLEX RECEPTACLE, 2 DATA OUTLETS & HDMI OUTLET		HORN/STROBE - CEILIN
ත	BLUE LIGHT	ALERTUS	-	LED	120		POWER	<u>s</u>	STROBE ONLY 82" A.F.F
3L							SHALL HAVE A DEDICATED NEUTRAL THERE SHALL NOT BE ANY USE OF	•	SMOKE DETECTOR
	L NOTES: PROVIDE MASTER/SATELLITE CONFIGURATION WHERE APPLICABLE.					SHARED NEU		•	HEAT DETECTOR
F	PROVIDE MASTENSATELETTE COM I IGONATION WHERE APPLICABLE. PROVIDE SINGLE OR DUAL BALLASTED FIXTURES PER LAYOUT. MULTI-TAP BALLASTS ACCEPTABI SIXTURES SHALL BE INSTALLED WITH "NLIGHT" OR BE COMPATABLE WITH "NLIGHT"	LE.				6	PANEL BOARD	•	DUCT DETECTOR
	ILL FIXTURES WITH THE LETTER "E" AFTER THEIR TYPE WILL BE SUPPLIED WITH BATTERY BACKI	JP RATED AT 90 MINU	ITES OF OPERATING TIME				DISTRIBUTION PANEL BOARD	®	RESCUE ASSISTANCE
								DH	MAGNETIC DOOR HOLD

LIGHTING TROFFER STYLE FIXTURE, TYPE AS NOTED FIXTURE ON EMERGENCY POWER \longrightarrow STRIP LIGHT SURFACE MTD FIXTURE PENDANT/SURFACE MTD UP/DOWN LIGHT CEPTACLE RECESSED/DOWNLIGHT FIXTURE WALL MTD FIXTURE WALL MTD LINEAR FIXTURE EXIT SIGN (ARROWS INDICATED AS SHOWN) - SHADING INDICATES # OF FACES - CEILING MOUNT IS TYPICAL EXIT SIGN - WALL MOUNTED BATTERY EMERGENCY FIXTURE COMBO EMERGENCY/EXIT LIGHT - (ARROW INDICATES DIRECTION) - (SHADING INDICATES # OF FACES) SWITCHING DATA VOICE 20A, 120/277V SPST SWITCH /II OUTLET 20A, 120/277V 3-WAY SWITCH 20A, 120/277V 4-WAY SWITCH DIMMER SWITCH LOW VOLTAGE SWITCH MOTION SENSOR CEILING MTD OCC. SENSOR PHOTOCELL FIRE ALARM MANUAL PULL STATION 46" A.F.F. CENTER ATA OUTLETS HORN/STROBE 82" A.F.F. TO CENTER HORN/STROBE - CEILING MTD. STROBE ONLY 82" A.F.F. TO CENTER SMOKE DETECTOR HEAT DETECTOR DUCT DETECTOR RESCUE ASSISTANCE MAGNETIC DOOR HOLD SEPARATE CIRCUIT BREAKER FIRE ALARM CONTROL PANEL UTILITY METER FIRE ALARM ANNUNCIATOR PANEL SECURITY CLOSED CIRCUIT CAMERA (CCC) PUSH BUTTON STATION AS NOTED D = DOOR OPENER CARD READER CR P = PANIC BUTTON HID PROXIMITY ProxPro 5355 OR EQUAL PROXIMITY READERS DOOR SWITCH FLOOR BOX AIPHONE OVERHEAD BOX BLUE STROBE LIGHT DIRECT ELECTRICAL CONNECTION OR SPECIAL PURPOSE RECEPTACLE BL 🚱 BLUE LIGHT (ALERTUS SYSTEM) MOTOR CONNECTION AL 💮 ALARM LIGHT (ALERTUS SYSTEM) CEILING CLOCK ALERT BEACON (ALERTUS SYSTEM)



SHEET NUMBER OF DETAIL EQUIPMENT ABBREVIATION EQUIPMENT NUMBER **ELECTRICAL ABBREVIATIONS** ALL ABBREVIATIONS MAY OR MAY NOT BE USED MCA MINIMUM CIRCUIT AMPS MDP MAIN DISTRIBUTION PANEL MTD MOUNTED OCC OCCUPANCY PC PLUMBING CONTRACTOR PE PHOTOELECTRIC CELL SPST SINGLE POLE SINGLE THROW TC TIME CLOCK TCP TIME CLOCK - PHOTOCELL TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION UNO UNLESS NOTED OTHERWISE WP WEATHER PROOF 20A 20 AMP 3W 3 WIRE 20/1 20 AMP SINGLE PHASE CIRCUITING - THIS TEXT MATCHES LIGHTING SCHEDULE. - THIS TEXT DENOTES THE FIXTURE CIRCUIT OR THIS BOX NOTES CIRCUITING FOR ALL LIGHTING FIXTURES IN ROOM. — - THIS TEXT PAIRS WITH A LIGHT SWITCH. — THIS TEXT ("e") DENOTES EMERGENCY / ALL TEXT BEFORE THE PERIOD INDICATES PANEL

SYMBOL LEGEND

TIGHT SOLID LINES EXISTING DEVICE(S) TO REMAIN

GENERAL ELECTRICAL NOTES

ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES. LEVITON: OSC10-M ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY. E.C. SHALL SENSOR SWITCH: #CM-PDT-9 WATTSTOPPER: DT-300 CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.

MDP.7,9,11

OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.

В

BELL

INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE. UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND

ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND

SEE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.

DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED. ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE

SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL

- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL SYSTEM FOR THE PROJECT. AT LEAST ONE 120 VOLT SINGLE PHASE RECEPTACLE SHALL BE PROVIDED FOR EACH 500 SQUARE FEET OF FLOOR SPACE. SUFFICIENT TEMPORARY LIGHTING SHALL BE PROVIDED TO ALLOW ALL CONTRACTORS TO COMPLETE THEIR WORK. TEMPORARY ELECTRICAL CIRCUITS SHALL BE EQUIPPED WITH COMBINATION GROUND FAULT INTERRUPTER AND CIRCUIT BREAKER PER NEC. TEMPORARY ELECTRICAL SYSTEM SHALL BE INCLUDED IN THIS BID. USAGE CHARGES SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
- ELECTRICAL DEVICES/EQUIPMENT SHOWN AS DASHED AND BOLD ARE EXISTING TO BE REMOVED, ELECTRICAL DEVICES/EQUIPMENT SHOWN AS LIGHT AND SOLID ARE EXISTING TO REMAIN, AND ELECTRICAL DEVICES/EQUIPMENT SHOWN AS BOLD AND SOLID SHALL BE NEW.
- 0. ELECTRICAL CONTRACTOR SHALL PROVIDE COMMUNICATIONS DEVICES, INCLUDING 4" SQUARE, MINIMUM 2-1/8" DEEP BACKBOX WITH SINGLE GANG MUD RING AND 1" CONDUIT STUBBED INTO ACCESSIBLE CEILING WITH 90 DEGREE BEND INTO THE ROOM AND PLASTIC BUSHING.
- PROTECT TELEMETRY AND OTHER LOW VOLTAGE CABLE FROM DEMOLITION OPERATIONS. DO NOT DISRUPT WITHOUT WRITTEN OWNER APPROVAL UPON 5 DAY MINIMUM NOTICE.
- 12. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED COSTS AND SCHEDULING OF REQUIRED ELECTRICAL INSPECTIONS.
- 13. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

CEILING MOUNTED PROJECTOR

SEE PROJECTOR DETAIL - DETAIL SHT

DUPLEX, CAT6, HDMI

LOCAL BUILDING CODE.

- 14. ALL CIRCUITS SHALL HAVE DEDICATED NEUTRAL CONDUCTOR. THERE SHALL NOT BE THE USE OF SHARED NEUTRALS.
- 15. EC SHALL INCLUDE IN BID AN ALLOWANCE FOR OWNER TO ADD (20) RECEPTACLES DURING CONSTRUCTION WALK THROUGH. ASSUME NOT MORE THAN (4) NEW CIRCUITS. CIRCUITS WILL BE PULLED FROM THE NEAREST AVAILABLE NORMAL POWER PANEL. EC SHALL INCLUDE IN BID AN ALLOWANCE FOR (8) ADDITIONAL DATA DROPS FOR CONTIGENCY.
- 16. TYPICAL ROOM LAYOUTS SHOWN WILL HAVE SOME DEVIATION FROM ROOM TO ROOM. LAYOUT DEVIATION IS EXPECTED FOR IRREGULAR WALLS OR OTHER CONSIDERATIONS. DEVICE COUNT AND OPERATION SHALL REMAIN.
- 7. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW SPEAKERS AS SHOWN ON THE PLANS, CONNECT TO EXISTING PAGING SYSTEM. SPEAKERS SHALL BE BOGEN S8 SERIES PR EQUAL WITH RECESSED VOLUME CONTROL. EC SHALL VERIFY COMPATIBILITY WITH EXISTING SYSTEM.
- 18. ALL LIGHTING CONTROLS SHALL BE LITHONIA NLIGHT. SYSTEM SHALL BE CONNECTED TO BUILDING WIDE SYSTEM AND ACCESSIBLE TO OUTSIDE CONTROLS.
- 19. EC SHALL PROVIDE NEW CARD READERS ALONG WITH ALL REQUIRED CONNECTIONS AND REQUIRED POWER SUPPLIES.

OCCUPANCY	SENSOR	SCHEDULE

THREE NUMBERS IS A THREE POLE CIRCUIT.

- MULTI-TECHNOLOGY, CEILING MOUNTED OCCUPANCY SENSOR WITH LIGHT LEVEL SENSING AND CAPABLE OF DISABLING THE AUTO ADAPTING FEATURE. PROVIDE WITH RELAY\POWER PACKS AS REQUIRED PER PLAN (LOW VOLTAGE)
- MULTI-TECHNOLOGY, CEILING MOUNTED OCCUPANCY SENSOR WITH LIGHT LEVEL SENSING AND CAPABLE OF DISABLING THE AUTO ADAPTING FEATURE. PROVIDE WITH RELAY\POWER PACKS AS REQUIRED PER PLAN (LOW VOLTAGE) LEVITON: OSC20-M WATTSTOPPER: DT-300
- \$ OC MULTI-TECHNOLOGY WALL SINGLE SWITCH SENSOR, PIR AND ULTRASONIC WITH LIGHT LEVEL SENSING. FITS IN SINGLE GANG BOX, SINGLE TRIM RING AND CAPABLE OF DISABLING THE AUTO ADAPTING FEATURE: LEVITON: OSSMT SENSOR SWITCH: WSD-PDT WATTSTOPPER: DW-100
- MULTI-TECHNOLOGY WALL SWITCH SENSOR PIR & ULTRASONIC DUAL SWITCHING, DUAL RELAY, LIGHT LEVEL SENSING. FITS IN SINGLE GANG BOX, SINGLE TRIM RING AND CAPABLE OF DISABLING THE AUTO ADAPTING FEATURE: LEVITON: OSSMD SENSOR SWITCH: WSD-PDT-2P WATTSTOPPER: DW-200 COOPER: ONW-D-1001-DMV

GENERAL NOTES:

- CEILING MOUNTED DEVICES SHALL BE WHITE.
- WALL MOUNTED DEVICES SHALL BE IVORY TO MATCH MANUAL LIGHTING CONTROL.

	ELECTRICAL SHEET INDEX
E001	ELECTRICAL NOTES, LEGENDS & ABBREVIATIONS
ED111	FIRST FLOOR LIGHTING DEMOLITION PLAN
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ED121	FIRST FLOOR POWER & SYSTEMS DEMOLITION PLAN
ED122	SECOND FLOOR POWER AND SYSTEMS DEMOLITION
E101	SITE PLAN
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E112	SECOND FLOOR LIGHTING PLAN
E121	FIRST FLOOR POWER PLAN
E122	SECOND FLOOR POWER PLAN
E131	FIRST FLOOR SYSTEMS PLAN
E132	SECOND FLOOR SYSTEMS PLAN
E133	BLUE LIGHT ALERT SYSTEM
E501	DETAILS
E502	DETAILS
E601	RISER & PANELBOARDS
E602	PANELBOARD
E603	PANELBOARD

HSR ASSOCIATES INC 100 MILWAUKEE STREET LA CROSSE, WISCONSIN

ARCHITECTURE

ENGINEERING

INTERIOR DESIGN

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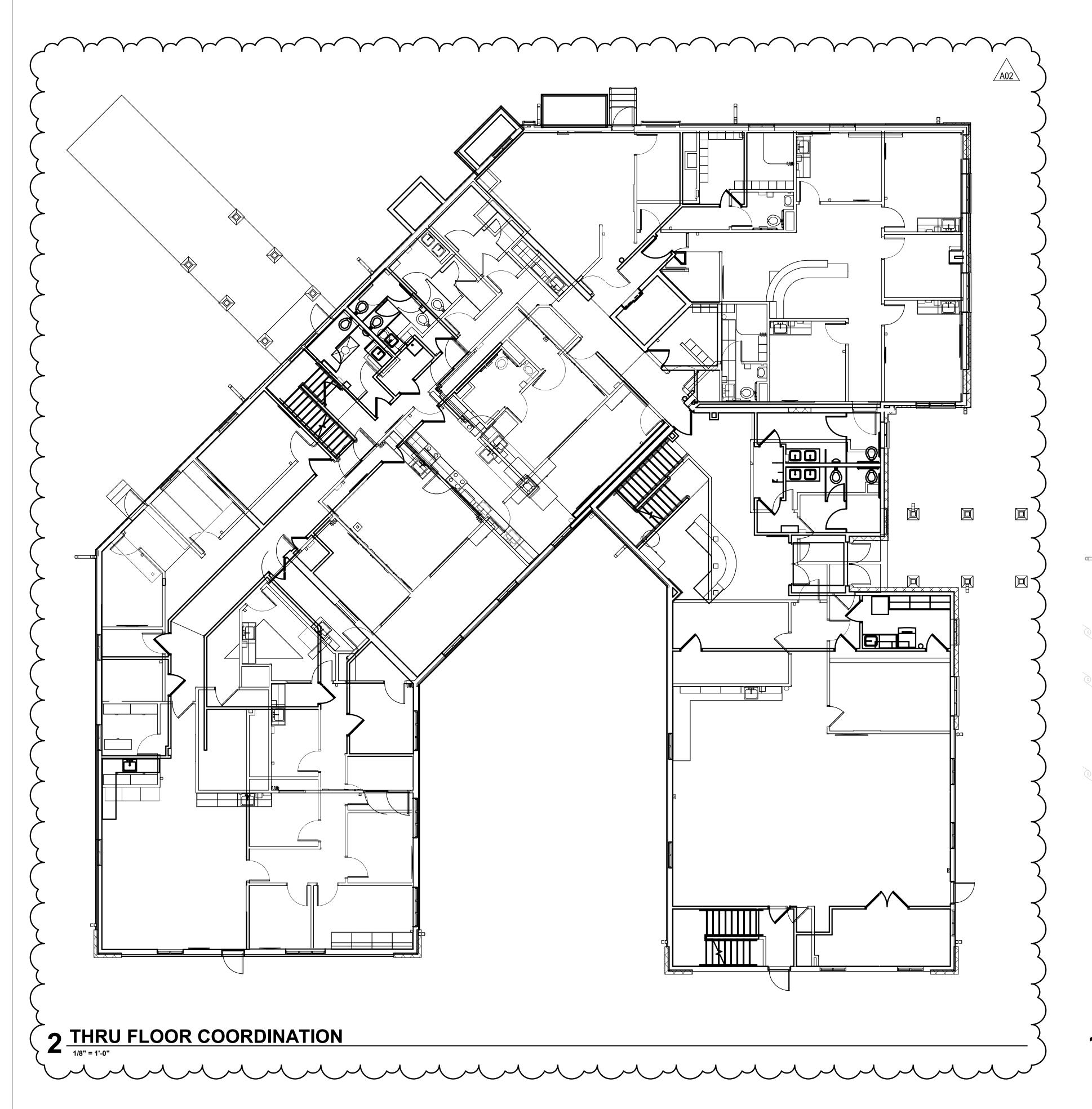
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1 FIRST FLOOR SYSTEMS PLAN

1/8" = 1'-0"

KEYED NOTES 1 PROVIDE 120V CONNECTION FOR ALARM BELL 2 DOOR SHALL HAVE PANIC HARDWARE. 3 DATA RACKS LOCATED IN ROOM 125 4 EC SHALL CONTRACT "JCI" FOR THE DOOR ACCESS AND INTRUSION DETECTION SYSTEMS. SYSTEM SHALL BE "CCURE 9000". COORDINATE LOCATION WITH GC AND 5 AREA TO BE STONE VENEER. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW BACKBOXES FOR ALL DEVICES ON THIS WALL. EC SHALL ADD MOUNTING PLATE/SPACER AS REQUIRED TO BRING DEVICES FLUSH WITH STONE VENEER. 6 MONITOR IS ROUGH-IN ONLY AT THIS LOCATION.

GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT.

COORDINATE EXACT LOCATIONS OF CEILING MOUNTED DEVICES WITH LIGHTS, HVAC EQUIPMENT, AND OTHER DEVICES.

EXISTING FIRE ALARM SYSTEM IS SIMPLEX. FIRE ALARM DEVICES ARE SHOWN FOR DESIGN INTENT ONLY; PROVIDE DEVICES AND QUANTITIES NEEDED TO MEET APPLICABLE CODE. PROVIDE ALL DEVICES AND HARDWARE NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM PER CODE. DEVICES MAY BE CEILING OR WALL MOUNTED WHERE THE LOCATION IS APPROVED BY THE LOCAL AHJ.

3 HOTERCOMAND DATA DEVICES PROVIDED BY EC COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.

COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL

ALL EXISTING DATA OUTLETS THAT ARE TO REMAIN, SHALL BE RE-RUN WITH CAT 6. ADDITIONALLY THE EXISTING OUTLET SHALL BE REPLACED WITH NEW.

ALL COMMUNICATION OUTLETS FINAL DATA/VOICE/HDMI COUNTS CAN BE SUPERSEDED BY I.T. DEPT.. COORDINATE WITH OWNER.

CONTROL PANEL OPTIONS: 16 DOOR SET UP: PSX-WISU16-E8S: PSX 150x250W POWER SUPPLY/BATTERY CHARGER, WIRED FOR 16 READER ULTRA WALL MOUNT 36x30 ENCLOSURE WITH 2 POWER SUPPLIES, w/ LOCK AND TAMPER. PRE-WIRED FOR ULTRA GCM AND 2 ULTRA ACM'S. INCLUDE 2 D8P AND LOW BATTERY DISCONNECT SWITCHES. FITS (4) AHR BATTERIES. MUST INCLUDE BOARDS FOR ABOVE CONTROL PANELS. GCM

8 DOOR SET UP: PSX-WISU08-E4S: PSX 75/150 W POWER SUPPLY/BATTERY CHARGER, WIRED FOR 8 READER ULTRA WALL MOUNT 24X20 ENCLOSURE WITH 2 POWER SUPPLIES, W/ LOCK AND TAMPER. PRE-WIRED FOR ULTRA GCM AND 1 ULTRA ACM. INCLUDES 1 D8P AND LOW BATTERY DISCONNECT SWITCHES. FITS (3) 9 AHR BATTERIES. ACM BOARD: USTAR-ACM

MULLION READER: HID MINIPROX MOUNTY PROXIMITY CARD READER - MODEL 5365 WIEGAND INTERFACE, PART # 5365EGPOO REGULAR READER: PART # 5355AGN00

2 CARD READER DISARM CONTROL PANEL

BOARD: USTAR-GCM

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GENERAL NOTES ALL BLUE LIGHTS SHALL BE NEW; BLUE LIGHTS ARE BY ELECTRICAL CONTRACTOR. EXISTING BLUE LIGHTS SHALL BE TURNED OVER TO OWNER. OWNER HAS RIGHT OF ARCHITECTURE ENGINEERING INTERIOR DESIGN HSR ASSOCIATES INC.
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