ADDENDUM NO. 6

Item	Description
DIVISION I – BID DOCUMENTS	
No additions	
DIVISION II – CONTRACT DOCUMENTS	
No additions	
DIVISION III – SPECIAL PROVISIONS	
No additions	
DIVISION IV – GENERAL PROVISIONS	
No additions	
DIVISION V – CONSTRUCTION SPECIFICATIONS	
No additions	
NOTES	
1	Drawing ES-101 – Site Electrical Plan – Rev 2
2	Drawing E-300 – Electrical Riser Diagram & Details – Rev 1
3	Drawing E-303 – Fire Alarm Riser & Lighting Schedule – Rev 3
4	Revised HVAC control system description attached. The controls contractor is responsible for installing all of his necessary raceways and wiring needed to accomplish the required work.

1.0 HVAC CONTROL SYSTEM DESCRIPTION

A. General: The control system shall consist of a high-speed, peer-to-peer network of DDC controllers, an **existing** control system server, and integration to the **existing** Automated Logic WebCTRL web-based operator interface including all system graphics, sequences of operation and integration of the new building's mechanical equipment HVAC controls. The WebCTRL system server is located in the International Trade center and this addition shall communicate to this system via the Owner's Local Area Network and/or the Internet as required by the Owner's IT Department.

B. The control system server shall be accessed using a Web browser over the control system network, the owner's local area network and (at the owner's discretion) over the Internet. The server shall also act as a "workstation" when running as a server/client platform. No special software other than a Web browser shall be required to access graphics, point displays, and trends, configure trends, configure points and controllers, or to download programming into the controllers from the existing WebCTRL BAS software

C. System shall use BACnet protocol for communication between the control modules and web server. Input/Output points, schedules, setpoints, trends, and alarms specified in the project Sequences of Operations for HVAC Controls shall be BACnet objects.

D. Thermostats should be BACnet thermostats and be furnished by the HVAC controls contractor. Any ductless mini splits will have factory furnished thermostats but should also have a BACnet communication card furnished with the unit(s) by manufacturer.

E. The following is the approved control system supplier, manufacturer, and product line:

1. Gulf States Automation, Automated Logic Corporation, WebCTRL.
   Contact Fletcher Williams cell (251) 272-2029

F. System Graphics. The operator interface software shall be graphically based and shall include at least one graphic per piece of equipment or occupied zone, graphics for each piece of mechanical equipment, and graphics that summarize conditions on each floor of each building included in this contract. Indicate thermal comfort on floor plan summary graphics using dynamic colors to represent zone temperature relative to zone setpoint.

Time Lapse Graphic Replay. Operator shall be able to "replay" any graphic in the system to see how key values changed over an operator-selected period of time. Operator shall be able to select the starting date/time for this display and the end date/time or the display period. System shall then display the graphic as it would have looked at the beginning of that period, displaying key data, dynamic colors, etc. based upon values recorded at the start time. When the operator starts the replay the graphics and key values shall dynamically change to produce the effect of "fast forwarding" through the designated period of time.

1.1 TRAINING

A. Provide training for a designated staff of Owner's representatives. Training shall be provided via two (2) individual 4 hours sessions conducted at least 2 weeks apart from one another at the completion of the project.

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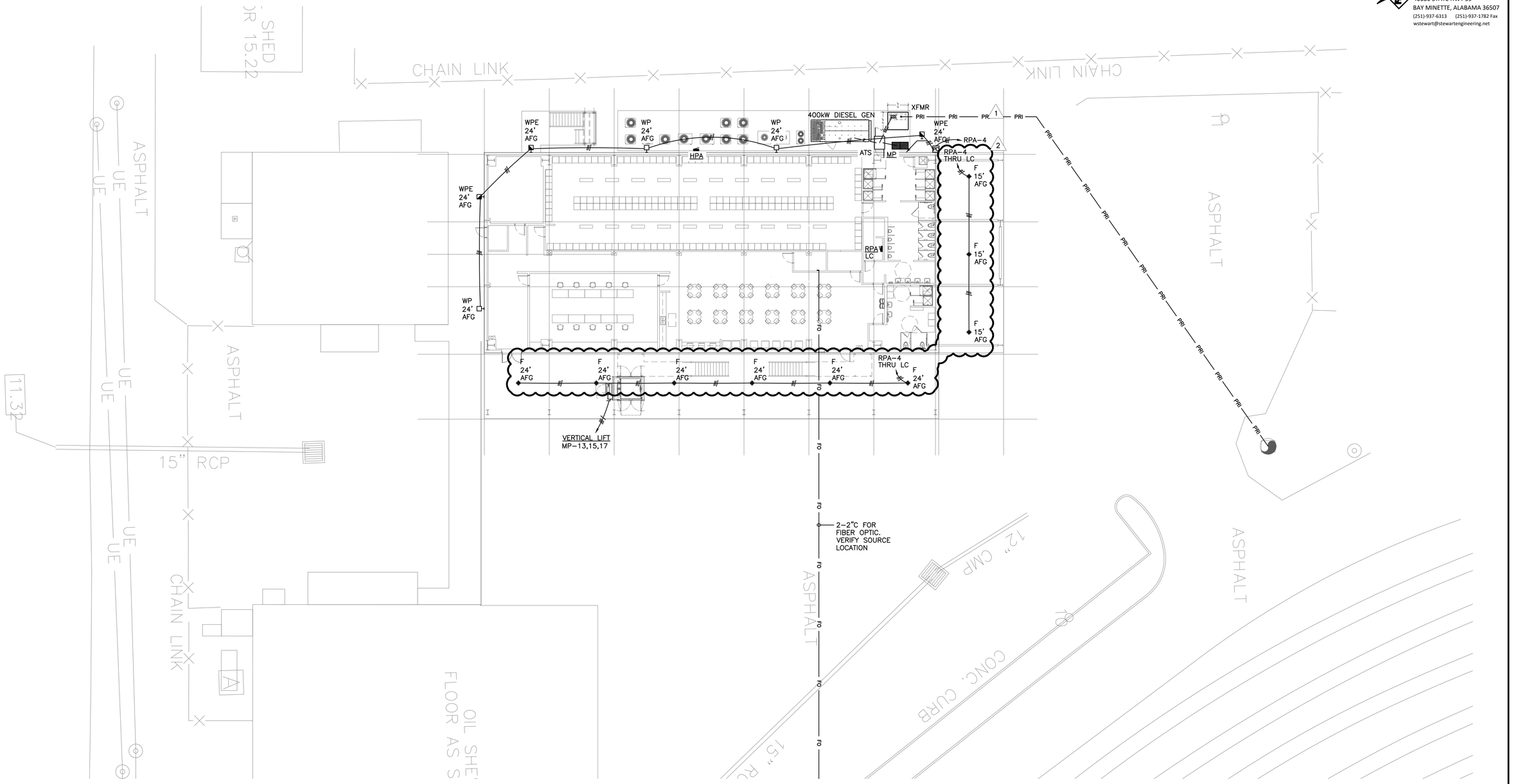

N

1 / ES101 SITE ELECTRICAL PLAN
SCALE: 1" = 15'-0"

NOTES

ALABAMA LICENSED NO. 26767 PROFESSIONAL 01/14/26 GLEN WADE SWIFT

NO.	REVISION	DRAWN	CK'D	APPD	DATE
2	GENERAL REVISION	GWS	GWS	GWS	04-02-26

NO.	REVISION	DRAWN	CK'D	APPD	DATE
1	GENERAL REVISION	GWS	GWS	GWS	03-09-26
E	ISSUED FOR BID	GWS	GWS	GWS	01-14-26
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B	60% DESIGN REVIEW	GWS	GWS	GWS	06-11-25
A	30% DESIGN REVIEW	GWS	GWS	GWS	04-11-25

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APTIM PORT SERVICES, LLC

DRAWN: GWS | CK'D: GWS | APPD: GWS | DATE: TBD | SCALE: NONE

ALABAMA PORT AUTHORITY
PORT OF MOBILE

CLIENT DWG NO:

McDUFFIE TERMINAL IMPROVEMENTS
NEW ASSEMBLY BUILDING PACKAGE
SITE ELECTRICAL PLAN

FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4617 | DWG NO: ES-101 | REV: 2

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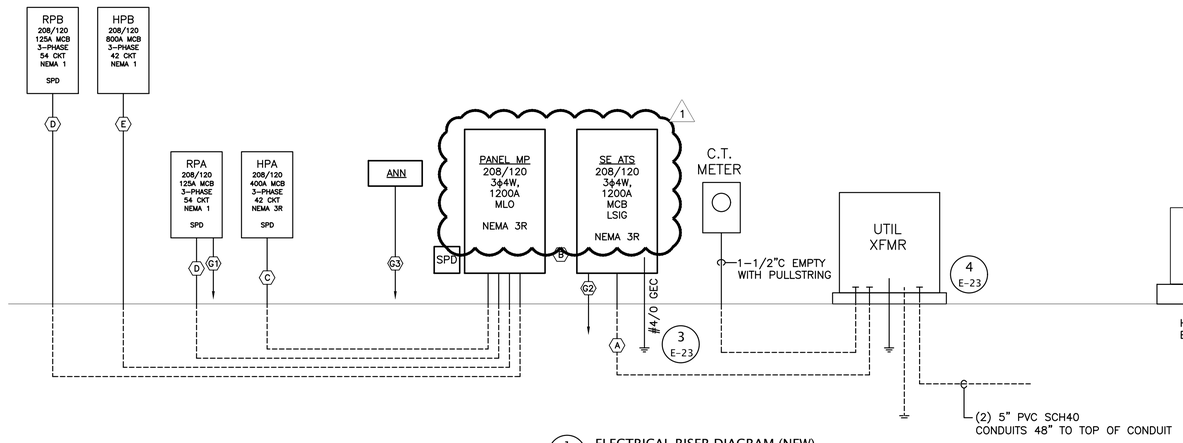
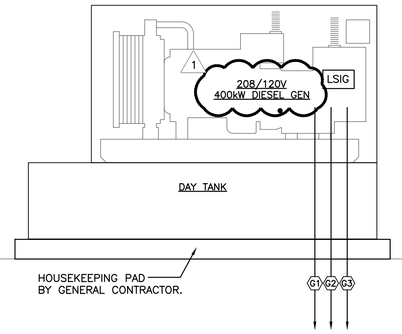


1 E300 ELECTRICAL RISER DIAGRAM (NEW)
SCALE: NONE



(A) 3 PARALLEL RUNS: (1200A)
4–#600KCMIL AWG THWN, 4"C

(B) 3 PARALLEL RUNS: (1200A)
4–#600KCMIL AWG THWN &
1–#4/0 GND, 4"C

(C) 4–#600KCMIL AWG THWN &
1–#1/0 GND, 4"C

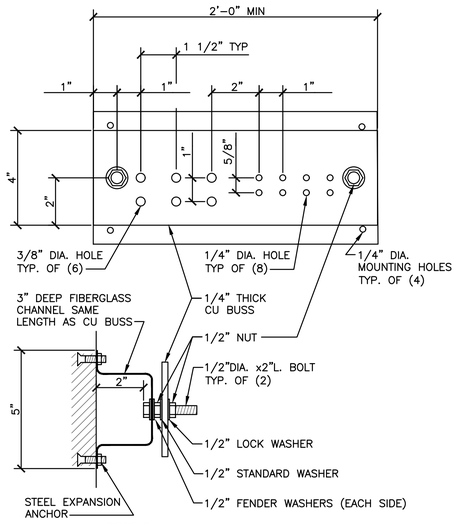
(D) 4–#1 AWG THHN & 1–#6 GND, 1–1/4"C

(E) 2 PARALLEL RUNS: (800A)
4–#600KCMIL AWG THWN &
1–#2/0 GND, 4"C

(G1) 120V, 20A CKT – BATTERY CHARGER
208V, 20A CKT – BLOCK HEATER

(G2) 6–#14 AWG, 3/4" TO ATS FOR CONTROL

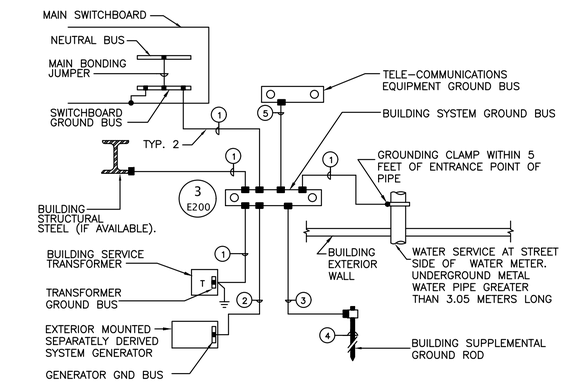
(G3) BELDEN CONTROL CABLE IN 3/4" CONDUIT TO
REMOTE ANNUCIATOR (VERIFY WITH GEN MFGR)



SECTION

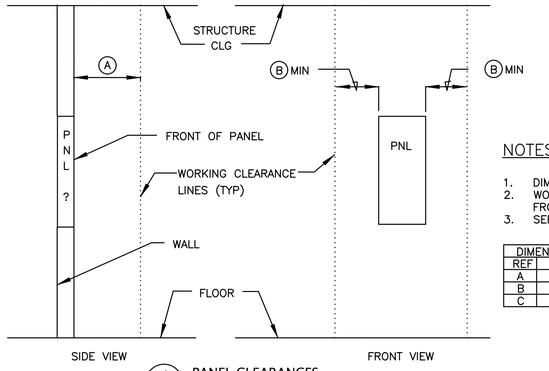
GENERAL NOTES
1. ALL HARDWARE SHOWN SHALL BE STAINLESS STEEL.
2. PROVIDE 1 MOUNTING POINT PER 12" OF BAR LENGTH.
3. HOLES MAY BE ADDED IF REQUIRED.

3 E300 GROUND BUS DETAIL
SCALE: NONE



LEGEND:
- ● INDICATES BOLTED CONNECTION.
- ■ INDICATES EXOTHERMIC WELD CONNECTION, COMPATIBLE WITH MATERIALS BEING JOINED.
- (1) 4/0 AWG INSULATED COPPER GROUND CONDUCTOR IN 1–1/4" CONDUIT.
- (2) 4/0 AWG COPPER GROUND CONDUCTOR ENCASED IN CONCRETE.
- (3) 4/0 AWG BARE COPPER GROUND CONDUCTOR.
- (4) 3/4" x 10' COPPER–CLAD GROUND ROD DRIVEN WITH TOP 12" BELOW GRADE.
- (5) 2/0 AWG INSULATED COPPER GROUND CONDUCTOR IN 1–1/4" CONDUIT.

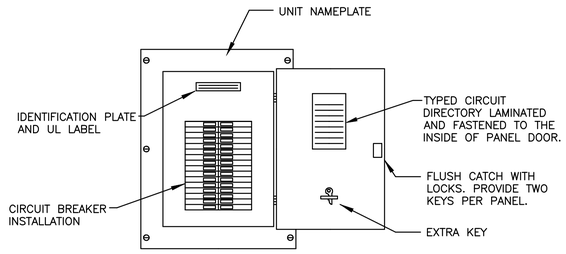
2 E300 SERVICE GROUND DETAIL
SCALE: NONE



NOTES:
1. DIMENSIONS SHOWN ARE MINIMUM
2. WORKING CLEARANCES SHALL BE MAINTAINED FROM FLOOR TO STRUCTURAL CLG.
3. SEE NFPA 70, ARTICLE 110–16

DIMENSION BLOCK	
REF	ENGLISH
A	3'–6"
B	1'–3"
C	6'–7"

4 E300 PANEL CLEARANCES
SCALE: NONE



5 E300 INDENTIFICATION – POWER PANELS
SCALE: NONE

NOTES

ALABAMA LICENSED
NO. 26767
PROFESSIONAL
01/14/26
REGISTERED ENGINEER
GLENN W. STEWART

NO.	REVISION	DRAWN	CK'D	APPD	DATE
1	GENERAL REVISION	GWS	GWS	GWS	04–02–26
E	ISSUED FOR BID	GWS	GWS	GWS	01–14–26
D	100% DESIGN REVIEW	GWS	GWS	GWS	09–09–25
C	95% DESIGN REVIEW	GWS	GWS	GWS	08–08–25
B	60% DESIGN REVIEW	GWS	GWS	GWS	06–11–25
A	30% DESIGN REVIEW	GWS	GWS	GWS	04–11–25

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APTIM PORT SERVICES, LLC

DRAWN: GWS | CK'D: GWS | APPD: GWS | DATE: TBD | SCALE: NONE

ALABAMA PORT AUTHORITY
PORT OF MOBILE

CLIENT DWG NO:

McDUFFIE TERMINAL IMPROVEMENTS
NEW ASSEMBLY BUILDING PACKAGE
ELECTRICAL RISER DIAGRAM & DETAILS

FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4617 | DWG NO: E–300 | REV: 1

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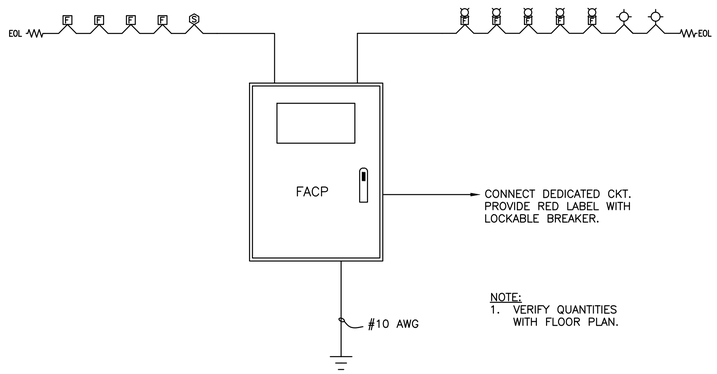
	SYSTEM INPUTS	SYSTEM OUTPUTS: ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE APPROPRIATE LOCATION INDICATOR	ACTUATE ALL AUDIBLE EVACUATION SIGNALS	ACTUATE ALL VISIBLE EVACUATION SIGNALS	UNUSED	DISPLAY CHANGE OF STATUS	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	ACTIVATE TEMP4 CODED AUDIBLES AND VISUALS	UNUSED	UNUSED	UNUSED	UNUSED	UNUSED	HVLS FAN SHUTDOWN	HVAC AHU FAN SHUTDOWN	UNUSED	REMOTELY DISPLAY ACTIVE STATUS
		CTRL UNIT ANNUNCIATION							NOTIFICATION								FIRE SAFETY CONTROL								
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	SMOKE SENSOR/DETECTOR	X	X					X	X	X		X	X										X		X
2	MANUAL PULL STATION	X	X					X	X	X		X	X												X
3	HEAT SENSOR/DETECTOR																								
4	CO SENSOR/BASE																								
5	DUCT SENSOR/DETECTOR SUPERVISORY			X	X			X				X		X									X		
6	WATERFLOW SWITCH	X	X						X	X		X	X									X			
7	TAMPER SWITCH			X	X			X				X		X											
8	POST INDICATOR VALVE SWITCH			X	X			X				X		X											
9	FIRE ALARM AC POWER FAILURE					X	X					X			X										X
10	FIRE ALARM SYSTEM LOW BATTERY					X	X					X			X										X
11	OPEN CIRCUIT OR GROUND FAULT					X	X					X			X										X
12	CLASS B NOTIFICATION CIRCUIT (NAC) – SHORT					X	X					X			X										X

2 E303 F/A SEQUENCE OF OPERATION
SCALE: NONE



NOTE:
1. VERIFY QUANTITIES WITH FLOOR PLAN.

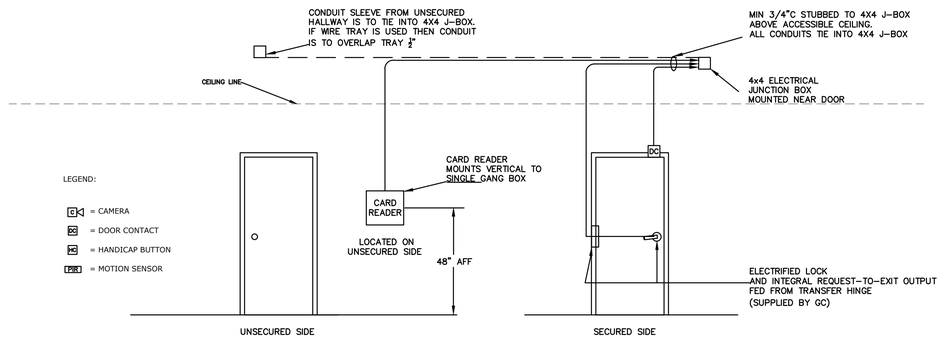
1 E303 FIRE ALARM RISER
SCALE: NONE

1

LIGHTING FIXTURE SCHEDULE

ID	DESCRIPTION	ELEC DATA		BASIS OF DESIGN		MOUNT TYPE													NOTES
						LOCATION							ARRANGEMENT						
		LOAD VA	VOLTAGE	MANUFACTURER	MODEL OR SERIES	CEILING	FLOOR	GROUND	POLE	ROOF	SUSPENDED	WALL	FLUSH	PEDESTAL	PENDANT	RECESSED	SURFACE	TRACK	MTG. HEIGHT (VERIFY)	
A/AE	2x4, RECESSED, LED	31	120	LITHONIA	STAKS 2x4 ALO6 SWW7 4000LM 40K / IE10WCP	■										■			9'–0"	
B/BE	48" LINEAR STRIP	32	120	LITHONIA	CLX L48 5000LM SEF FDL MVOLT 40K 80CRI / E10W						■				■					
C	24" LINEAR STRIP	42	120	LITHONIA	CLX L24 3500LM SEF FDL MVOLT 40K 80CRI MSD7							■					■		8'–0"	
D	6" RECESSED CAN, LED	6	120	LITHONIA	LBR6 ALO1 (500LM) SWW1 AR LSS MWD 80CRI WL	■										■			9'–0"	
3 F	HIGH BAY, LED	80	120	LITHONIA	REBL ALO13 MD 208 SWW3 80CRI						■				■				VARIES	
WP/WPE	WALLPACK / EMER.	18	120	LITHONIA	WDGE1 P2 40K 80CRI VW MVOLT SRM / E4WH							■					■		10'–0"	
RE	REMOTE EGRESS	6	120	LITHONIA	ELMRW SP640L DDBTXD SGL							■					■		8'–0"	
XE	EXIT	6	120	LITHONIA	LHQM LED R HO RO							■					■		8'–0"	

2



1 E303 SECURITY ACCESS SINGLE DOOR INTERIOR WITH ELECTRIFIED LOCK AND INTEGRAL REX

NOTES

ALABAMA LICENSED NO. 26767 PROFESSIONAL 01/14/26 ENGINEER STEWART

NO.	REVISION	DRAWN	CK'D	APPD	DATE
3	GENERAL REVISION	GWS	GWS	GWS	04–02–26
2	ACCESS CONTROLS REVISION	GWS	GWS	GWS	03–25–26

NO.	REVISION	DRAWN	CK'D	APPD	DATE
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A	30% DESIGN REVIEW	GWS	GWS	GWS	04–11–25

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APTIM PORT SERVICES, LLC

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ALABAMA PORT AUTHORITY
PORT OF MOBILE

CLIENT DWG NO:

McDUFFIE TERMINAL IMPROVEMENTS
NEW ASSEMBLY BUILDING PACKAGE
FIRE ALARM RISER & LIGHTING SCHEDULE

FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4617 | DWG NO: E–303 | REV: 3

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