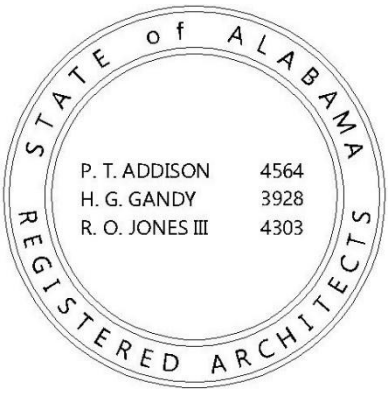
PH&J architects
INCORPORATED
Founded 1957 ◆ Pearson, Humphries, & Jones Architects
Patrick T. Addison, AIA Harrell G. Gandy, AIA Renis Jones III, AIA
Brian J. Klinkhammer, AIA Steven R. Hall, AIA

ADDENDUM #1

DATED: DECEMBER 23, 2025



PROJECT: **New Fleet Management Building for AIDT**
Montgomery, Alabama
PH&J No: **2502GVA**
DCM No: **2025417**

1A-1 GENERAL

This Addendum is hereby made part of the Bid/Contract Documents and as such shall be acknowledged with the Bid. Failure to do so may subject the Bidder to disqualification. The following conditions take precedence over conflicting conditions in the Specifications, on the Drawings, and in any other Supplementary Documents. When a change is called for on a Drawing, this change shall carry through all applicable drawings, including all related architectural, civil, structural, mechanical, plumbing, electrical drawings or other discipline employed by the architect of record. The Bid/Contract Documents are hereby addended in the following:

1A-2 BIDDING REQUIREMENTS

NONE

1A-3 SPECIFICATIONS

1. **Metal Roof Insulation** (Section 1312-C-3): Change Roof Insulation Fabric Liner System and Roof Insulation Banding System to R-10 top layer and bottom layer to R-21 for a total of R-31 in lieu of R-8 and R-25 (total R-33). Delete R-19 Roof insulation above Storage #112 and provide two-layer R-31 system in lieu of R-19 system.

1A-4 DRAWINGS

1. **Electric Unit Heater** (Drawing M1.1): Provide electric unit heater in location shown on Attachment No. 1 (EUH scheduled on sheet M2.1).

2. **Scheduled HVAC Unit "DOSA-1** (Drawing M2.2): Add additional note to scheduled unit shown on Attachment No. 2.

3. **Power Plan** (Drawing E3.1): Change all designated home run circuits from "**RP1**" to "**SE**".

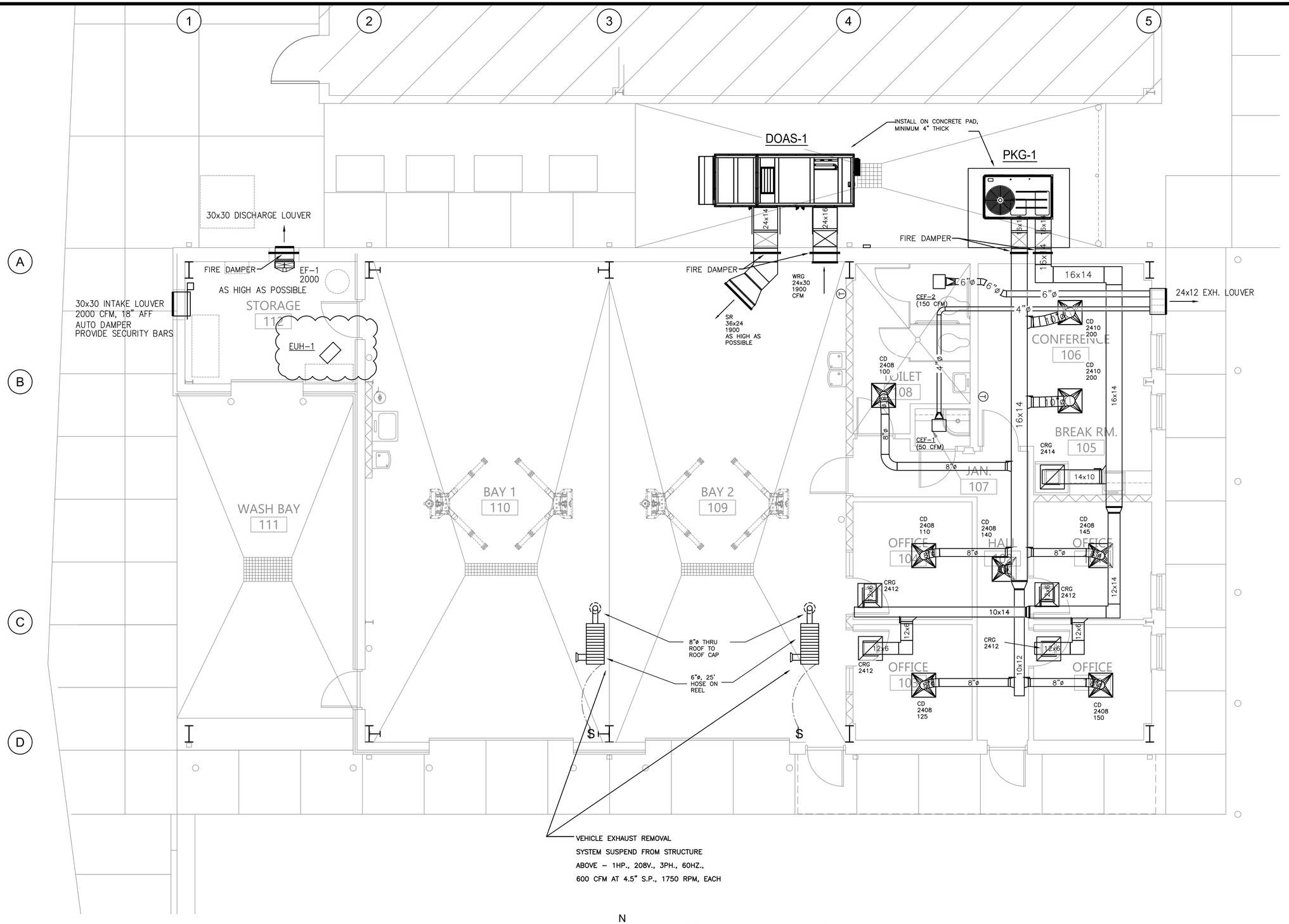
4. **Mechanical Power Plan** (Drawing E3.2): Add electric unit heater to mechanical power plan and "General Equipment Schedule" as shown on Attachment No. 3.

5. **Panelboard Schedule** (Drawing E5.2): Add additional circuit and load to schedule as shown on Attachment No. 4.

A-5 ATTACHMENTS

Attachment #1: Revised Drawing M1.1
Attachment #2: Revised Drawing M2.2
Attachment #3: Revised Drawing E3.2
Attachment #4: Revised Drawing E5.2

End of Addendum



N
W
E
S

FLOOR PLAN - HVAC

SCALE: 1/4 = 1'-0"

PH&J architects inc.
Alabama
Montgomery,

NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA

ALABAMA
JAMES R. EIRING
LIC. NO. 23369
PROFESSIONAL
ENGINEER
JR. EIRING
12-22-25

DRAWN JRE	CHECK JRE
DATE	OCTOBER 20, 2025
REVISED	DECEMBER 22, 2025
REVISED	

SHEET TITLE
Floor Plan - HVAC

JOB NO. PH&J #2502-CUA
DCM #2025417

SEQUENCE NO. 23 OF 35

ADDENDUM NO.: 1;
ATTACHMENT #1

M1.1

PROJECT NAME AND JOB NUMBERS

DOAS-1

Project X September 11, 2025

Product Data - Horizon™ - Outdoor Air Unit (OAB)

Size	Qty	Description	Model Number
B096	1	Horizon™ - Outdoor Air Unit (OAB)	OABD096D3-D1B4G1KG-A1D00AG1KG5A22B0A4A0

Tag(s): DOAS-1

Unit Voltage: 208-3-60
Airflow Configuration: Horizontal Discharge/Horizontal Return
Installation: Outdoor
Evaporator Coil: DX 6 Row Interlaced
Hot Gas Reheat: Modulating
Compressor: Digital Scroll Primary Circuit
Condenser: Air Cooled Variable Speed Head Pressure Low Ambient Control
Capacity Control: R-454B - Low GWP Refrigerant & No RCC Valve
Indoor Blower Motor: Direct Drive w/VFD
Heat Type: Indirect Fired (IF)
Fuel Type: Natural Gas - 80% Eff.
439 Stainless Steel Furnace: 125 Mbtu/h, (5:1 Turndown)
Unit Controls: Trane UC600 - Space Control w/BACNET w/Display
Powered Exhaust: Direct Drive w/VFD & Gravity Damper
ERV/HRV: ERV - Polymer Construction w/ Bypass Dampers
Energy Recovery & Conservation: ERC-3622C
Damper Options: Modulating OA/RA Damper for Economizer Control
Filters: MERV-8
Electrical Options: Non-Fused Disconnect Switch "Circuit Breaker" (OAB)
Air Flow Monitoring: IFM Piezo Ring and PE Piezo Ring/Tap
Accessories: Condenser Hailguard
Curb Selection: Aux Mod Knockdown Curb
Warranty: 1-Year Parts Only (manufacturer warranty)
Warranty: 5-Year Digital/Variable Speed Scroll Compressor
Supply Discharge Air Sensor (FLD)
2 inch Double Wall Construction
Stainless Steel Drip Pan
Blower HP - 1.5
Blower RPM - 2302
Supply Fan - CF140.6
Exhaust RPM - 2369
Exhaust HP - 1.5
Exhaust Fan - CF140.6
Unit Amps - FLA: 42.9 Amps
Min Circuit Ampacity - MCA: 49.3 Amps
Maximum Overcurrent Protection - MOCP: 70 Amps

1.1. Refrigerant Leak Detection System (LDS): A Leak Detection System (LDS) must be provided in any system that has more than 3.91 lbs. of an A2L refrigerant charge, per safety standard UL 60335-2-40 which consists of one or more refrigerant detection sensors. Equipment with R-454B and charge amounts less than or equal to 3.91 lbs. per circuit, does not require a refrigerant leak detection system or any circulation airflow or ventilation airflow mitigation strategies. **The LDS must be factory-installed for all units.**

When the LDS detects a leak in units with charge amounts greater than 3.91 lbs. per circuit, the following mitigation actions must be automatically initiated until the refrigerant has not been detected for at least 5 minutes:

a. Unit must automatically revert to its outside air economizer mode to deliver 100% outside air in tandem with its associated powered exhaust/relief.
b. The compressor(s) operation must cease/shutdown.
c. Associated auxiliary electric heat must be automatically disabled.

DOAS-1

Project X September 11, 2025

TRANE

Project Name: **Project X** Tag: **DOAS-1**

Comments:

Unit Information

Model:	Horizon™ (OAB Rev5)	Unit Length:	161 in	Weight Operating:	2091 lb*
Size:	B096	Unit Width:	52 in	*Note: Weight does not include CURB weight. See CURB submittal for actual*	
Quantity:	1	Unit Height:	55 in	**Refrigerant Charge - R-454B**	
Supply Airflow:	1,900 CFM	Elevation:	0 ft	Circuit 1:	16.6 lbs
Outside Airflow:	1,900 CFM	Ambient Air DB:	95 F		
Minimum Airflow:	922 CFM				

Cooling Performance

Gross Total Capacity:	89.1 MBh	Evaporator Face Area:	6.79 sq ft
Gross Sensible Capacity:	57.4 MBh	Evaporator Rows / FPI:	6 / 12
Net Total Capacity:	86.2 MBh	Condenser Face Area:	12.96 sq ft
Net Sensible Capacity:	54.5 MBh	Condenser Rows / FPI :	5 / 12
Entering Air DB / WB (Coil):	79.2 / 67 F	Air Velocity:	279 fpm
Leaving Air DB / WB (Coil):	51.1 / 51.0 F	Coil Air PD:	0.20 in H2O
Leaving Air DB / WB (Reheat):	76 / 60.9 F	EER:	19
Leaving Air DB / WB (Unit):	77.7 / 61.5 F	Watts:	8821
Leaving DP:	50.7 F	MRE:	8.49 lb/kWh
MRC:	74.93 lb/h		

Heating Performance

Heat Type:	Gas Furnace	Entering Air DB:	62.2 F
Input Capacity	125 MBh	Leaving Air DB:	110.7 F
Output Capacity:	100 MBh	Coil Air PD:	0.18 in H2O

DOAS-1

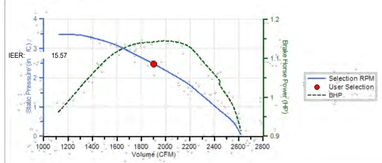
Project X September 11, 2025

Energy Recovery Wheel **ERC-3622C**

*** TAB Outside airflow through OA intake to this value*

Summer Conditions		Winter Conditions	
Ventilation Supply	Outside	Ventilation Supply	Outside
Airflow: 1,900 CFM	Airflow: 2,077 CFM**	Airflow: 1,900 CFM	Airflow: 2,077 CFM**
DB: 79.2 F	DB: 95.0 F	DB: 62.2 F	DB: 35.0 F
WB: 67.0 F	WB: 75.0 F	WB: 52.4 F	WB: 30.0 F
PD: 0.83 in H20		PD: 0.83 in H20	
Return	Exhaust	Return	Exhaust
Airflow: 2,000 CFM	Airflow: 2,177 CFM	Airflow: 2,000 CFM	Airflow: 2,177 CFM
DB: 75.0 F	DB: 89.8 F	DB: 70.0 F	DB: 43.9 F
WB: 63.0 F	WB: 74.3 F	WB: 58.0 F	WB: 38.9 F
ESP: 1.00 in H20	ERV PD: 0.88 in H20	ESP: 1.00 in H20	ERV PD: 0.88 in H20
Total Capacity: 81.18 MBH	Eff: 78.0%	Total Capacity: 91.85 MBH	Eff: 75.0%
Sensible Capacity: 31.39 MBH	Eff: 78.0%	Sensible Capacity: 56.05 MBH	Eff: 77.0%
Latent Capacity: 49.79 MBH	Eff: 74.0%	Latent Capacity: 35.80 MBH	Eff: 73.0%
Enthalpy Recovery Ratio: 76.0%		Enthalpy Recovery Ratio: 75.0%	
Sensible Recovery Ratio: 78.0%		Sensible Recovery Ratio: 77.0%	

Supply Fan **CF140.6**

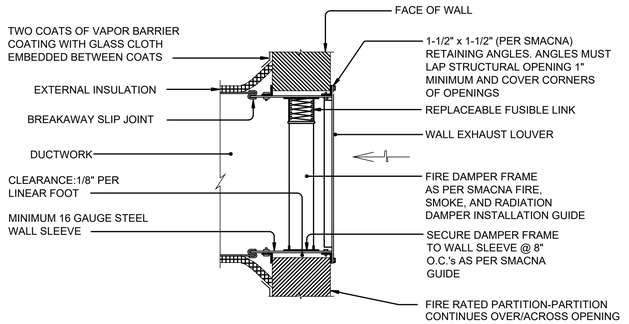


Supply Pressure Drop Summary

External Static Pressure:	1.00 in H2O
Cabinet:	0.01 in H2O
Cooling Coil:	0.2 in H2O
Base Filter:	0.01 in H2O
Filter:	0.2 in H2O
Primary Heat:	0.18 in H2O
HGRH:	0.05 in H2O
ERV OA:	0.83 in H2O
Total Static Pressure:	2.48 in H2O

Supply Fan Conditions

Fan Motor BHP:	1.14 BHP
Operating RPM:	2302 RPM
Minimum RPM:	900 RPM



FIRE DAMPER INSTALLATION DETAIL AT WALL LOUVER

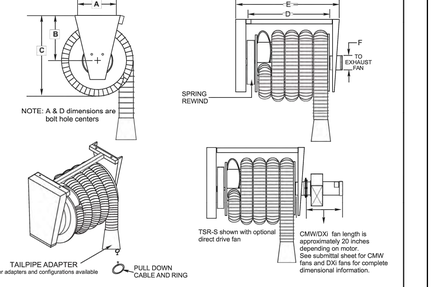
NOT TO SCALE

NOTE !!

1. DOUBLE FACE WALL GRILLE INSTALLATION SAME EXCEPT WITHOUT DUCT
2. DO NOT EXTERNALLY INSULATE FIRE DAMPER ANGLES UNTIL ENGINEER HAS INSPECTED THE FIRE DAMPER INSTALLATION

CAR-MON **SERIES TSR-S** TUBING STORAGE REEL

With Spring Operator



QTY.	MODEL	HOSE DIA.	HOSE TYPE	HOSE LENGTH	ADAPTER	CMW/DXI FAN	A	B	C	D	E	F	WT.
	TSR-S24	3"					9 ¼	18 7/8	31	26 ¾	37 ¾		150
	TSR-S24	4"					9 ¼	18 7/8	32	26 ¾	37 ¾		150
	TSR-S32	5"					9 ¼	18 7/8	33	34 ¾	45 ¾		185
2	TSR-S32	6"	NTC	25'	RCT	CMW-11	9 ¼	18 7/8	34	34 ¾	45 ¾		185
	TSR-S36	7"					9 ¼	19 7/8	35	38 ¾	49 ¾		210
	TSR-S36	8"					9 ¼	19 7/8	36	38 ¾	49 ¾		210

CAR-MON **Series TSR-S** is a tubing storage reel designed for use with Car-Mon Hose. Its frame is of welded construction using 2x2x1/8 square tubular steel with 12 gauge end plates, and an airtight rotating cylinder with a recessed inlet fitting to which the flange mounted flexible hose will be bolted. The assembly is spring actuated with a ratchet locking device and integral stop. The standard TSR-S will accommodate up to 25' of tubing. Other lengths and diameters are available, consult factory for details. Series CMW or DXI flange mounted direct drive fans are available as an option.

Note: Factory reserves the right to change dimensional data without notice.

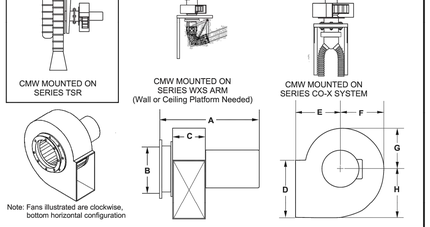
CAR-MON **PRODUCTS, INC.** 1225 Davis Road, Elgin, IL 60123 847/695-9000 www.car-mon.com e-mail: info@car-mon.com

08-R3

1009

CAR-MON **SERIES CMW**

FLANGE MOUNTED, DIRECT DRIVE EXHAUST FANS



MODEL	A	B	C	D	E	F	G	H	WEIGHT
CMW-7, 9	20"	8"	6½"	10"	7"	8"	7¾"	9"	58
CMW-11	22"	8"	8"	11½ "	8"	9"	7⅞	10 ⅜"	64
CMW-13	22"	8"	7½ "	12"	8½"	9⅝"	8"	10¾"	66

CHECK OPTIONAL EQUIPMENT REQUIRED

☐ Wall Platform ☐ Ceiling Platform ☐ Back Draft Damper ☐ Other _____

Fan to be attached to ☒ Hose Reel ☐ Exhaust Arm ☐ Wall or Ceiling Platform

Customer PALMER & LAWRENCE, INC. Job Name _____

QTY.	MODEL	HP	WHEEL DIA.	ROTATION CW	ROTATION CCW	DISCH.	CFM ½" SP	CFM ¾" SP	CFM 1" SP	CFM 4" SP	ELECTRICAL VOLTS	ELECTRICAL PHASE	ELECTRICAL HZ
	CMW-7	½	9 ⅝				680	570	490				
	CMW-9	¾	9 ⅝				850	720	600				
2	CMW-11	1	10	CONFIRM			1300	1180	1100	900	230/460	3	60
	CMW-13	1½	10 ⅝				1590	1520	1420	1250			

The **Series CMW** fans provide a convenient and efficient method of mounting exhaust fans on Car-Mon reels, welding exhaust arms, and tubing drops. It is available in four configurations to provide a wide variety of air volume needs. For dimensions and specifications of arms, reels, and **CO-X** systems, please refer to the individual product submittal sheets.

SPECIFICATION The fan shall be the standard product of a United States exhaust system manufacturer. Fan wheel shall be backward inclined, non-overloading type with single thickness blades and be statically and dynamically balanced. The fan housing shall be fabricated of 12 gauge steel and be of all welded construction. The mating surfaces of the inlet cone and fan housing shall be caulked prior to assembly. The inlet cone shall be assembled to the fan housing using hex head cap screws bolted to threaded inserts welded to the interior of the housing, self tapping screws are not acceptable. A rolled angle mounting flange shall be welded to the inlet ring. All surfaces of the fan shall be painted with a polyester powder coating. The fan motor shall be an industrial grade C-face type, bolted directly to the housing, with horsepower and electrical characteristics as specified. The fan shall be **Series CMW** as manufactured by Car-Mon Products, Elgin, IL 60123

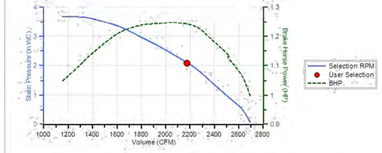
CAR-MON **PRODUCTS, INC.** 1225 Davis Road, Elgin, IL 60123 847/695-9000 www.car-mon.com e-mail: info@car-mon.com

13-F4

0413

Project X September 11, 2025

Exhaust Fan **CF140.6**



Exhaust Pressure Drop Summary

Return External Static Pressure:	1 in H2O
ERV Return Filter PD:	0.2 in H2O
ERV Wheel PD:	0.88 in H2O
Total Exhaust Static Pressure	2.08 in H2O

Exhaust Fan Conditions

Fan Motor BHP:	1.24 BHP
Operating RPM:	2369 RPM

Standard Radiated Sound Power Level (dBA)

63	125	250	500	1000	2000	4000	8000	Total dBA
46.7	57	64.7	69.8	70.2	69.7	71	66.2	77

Sound power levels are listed for informational purposes only and are not guaranteed.

Unit Electrical Data

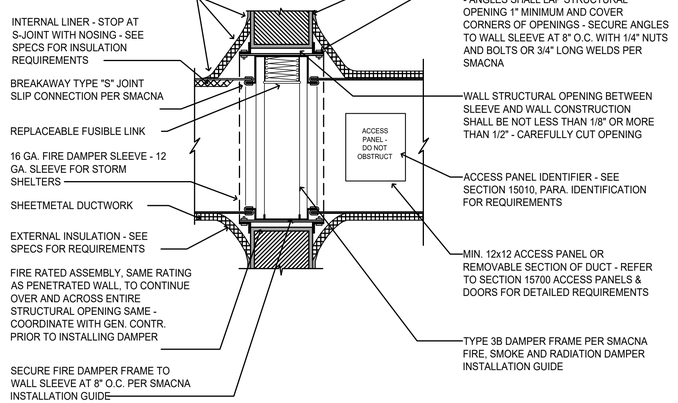
Unit Voltage-Ph-Hz:	208-3-60	Min Circuit Ampacity - MCA:	49.3 Amps
Unit Amps - FLA:	42.9 Amps	Maximum Overcurrent Protection - MOCP:	70.0 Amps

Electrical Summary

Component	Fan Service	Qty	HP (ea.)	FLA (ea.)	RLA (ea.)	LRA (ea.)
ERV/HRV		1	0.17	0.7		
	Exhaust	1	1.5	4.64		
Digital Scroll		1			25.6	186.6
	Supply	1	1.5	4.64		
	Condenser	1	1	4.2		
Controls		1		3.15		
Gas Heater		1		6.25		

Notes

- Unit Electrical amps include the greater of compressor or electrical heat amps.
- Unit's electrical as shown above are for single point power.



WALL MOUNTED FIRE DAMPER DETAIL

NOT TO SCALE

SYMBOLS

DENOTES VERTICAL ACTION FIRE DAMPER

DENOTES HORIZONTAL ACTION FIRE DAMPER

NOTES:

1. PROVIDE FIRE DAMPERS IN ALL DUCTS PENETRATING FIRE RATED WALLS, CEILINGS, FLOORS AND ANY TYPE OF RATED ASSEMBLY - REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATINGS.
2. VERTICAL ACTION INSTALLATION SHOWN. HORIZONTAL ACTION DAMPER INSTALLATION SIMILAR.
3. PROVIDE ACCESS PANEL/DOOR IN DUCT AND IN INACCESSIBLE (HARD) CEILINGS FOR EACH FIRE DAMPER.
4. DO NOT EXTERNALLY INSULATE THE FIRE DAMPER ANGLES UNTIL THE ENGINEER HAS INSPECTED THE FIRE DAMPER INSTALLATION.
5. APPLY MINIMUM 1/4" THICKNESS LAYER OF SEALANT TO WALL WHERE INSULATION IS TO BE ATTACHED. EMBED FIBERGLASS CLOTH COMPLETELY AROUND THE INSULATION TO THE WALL, OVERLAPPING THE INSULATION AND THE WALL A MINIMUM OF 3". TO PROVIDE THE REQUIRED MINIMUM OF 3" OVERLAP, PROVIDE MULTIPLE SEGMENTS OF THE FIBERGLASS CLOTH AS REQUIRED. THEN APPLY A MINIMUM OF 1/8" THICKNESS LAYER OF SEALANT OVER FIBERGLASS CLOTH, AND INSTALL AN ADDITIONAL LAYER OF FIBERGLASS CLOTH AND SEAL AGAIN WITH MINIMUM 1/8" THICKNESS OF SEALANT. SEALANT SHALL BE CHILDERS CHIL-TUFF CP-181 OR EQUIVALENT. FIBERGLASS CLOTH SHALL BE CHILDERS CHIL GLAS #10 OR EQUIVALENT, ALL AS SPECIFIED SECTION 15700, PART DUCT INSULATION WORK (EXTERNAL) AS IT PERTAINS TO SEALING OF EXTERNAL DUCT INSULATION JOINTS.

PH&J architects inc.
Montgomery, Alabama

NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER
ENG. 23369
J. R. EIRING
12-22-25

DRAWN JRE	CHECK JRE
DATE	OCTOBER 20, 2025
REVISED	DECEMBER 22, 2025
REVISED	

SHEET TITLE: Schedules & Details - HVAC

JOB NO. PH&J #2502-CUA DCM #2025417

SEQUENCE NO. 25 OF 35

ADDENDUM NO.: 1; ATTACHMENT #2

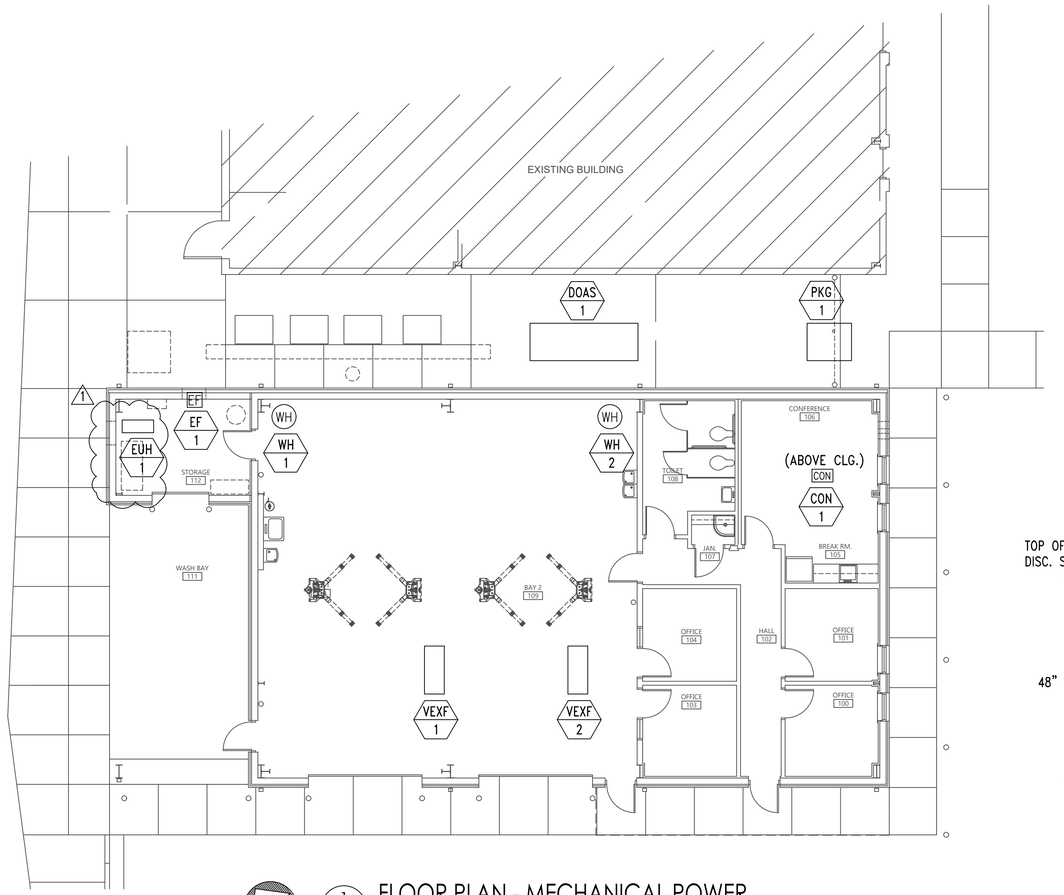
M2.2

PROJECT NAME AND JOB NUMBERS

GENERAL EQUIPMENT SCHEDULE

EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS:			DISCONNECT:	FUSE:	HOMERUN:	FEEDER:
			HP	KW	AMPS				
CON-1	CONTROL PANEL	120V/1PH	----	0.600	----	TS	----	RP1 - 17	2#12 & 1#12GRD - 3/4"C
DOAS-1	RECOVERY UNIT	208V/3PH	----	----	49	100/3/3R	F	SE - 14,16,18	3#4 & 1#8GRD - 1 1/4"C
~~EF-1~~	~~EXHAUST FAN~~	~~120V/1PH~~	~~1/3~~	~~---~~	~~---~~	~~TS~~	~~---~~	~~RP1 - 15~~	~~2#12 & 1#12GRD - 3/4"C~~
EUH-1	ELECTRIC UNIT HEATER	208V/1PH	5	----	----	30/2/1	F	SE - 55,57	2#10 & 1#10GRD - 3/4"C
PKG-1	PACKAGED UNIT	208V/3PH	----	----	20	30/3/3R	F	SE - 7,9,11	3#8 & 1#10GRD - 1"C
VEXF-1	VEHICLE EXHAUST FAN	208V/3PH	1	----	----	30/3/1	F	SE - 43,45,47	3#12 & 1#12GRD - 3/4"C
VEXF-2	VEHICLE EXHAUST FAN	208V/3PH	1	----	----	30/3/1	F	SE - 49,51,53	3#12 & 1#12GRD - 3/4"C
WH-1	ELECTRIC WATER HEATER	208V/1PH	----	4.5	----	30/2/1	F	SE - 6,8	2#10 & 1#10GRD - 3/4"C
WH-2	ELECTRIC WATER HEATER	208V/1PH	----	4.5	----	30/2/1	F	SE - 10,12	2#10 & 1#10GRD - 3/4"C

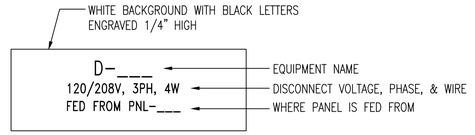
NOTES:
1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH NEC AND ALL LOCAL CODES. COORDINATION SHALL BE DONE PRIOR TO BIDS AND ACCOUNTED FOR IN THE CONTRACTOR'S BID PRICE.
2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA.
4. "NF" - NON-FUSED
5. "F" - FUSED
6. "TS" MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ("W" - WEATHERPROOF) ("30-AMP" - 30-AMP RATED)
7. PROVIDE INTERCONNECTING RELAY SUCH THAT FAN IS CONTROLLED BY LIGHTING.
8. "WP" - WEATHERPROOF ENCLOSURE.
9. CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS AND LOCATIONS FOR ALL CIRCULATING PUMPS AND TIME CLOCKS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.



1 / E3.2 FLOOR PLAN - MECHANICAL POWER
SCALE: 1/8"=1'-0"

GENERAL MECHANICAL POWER NOTES:

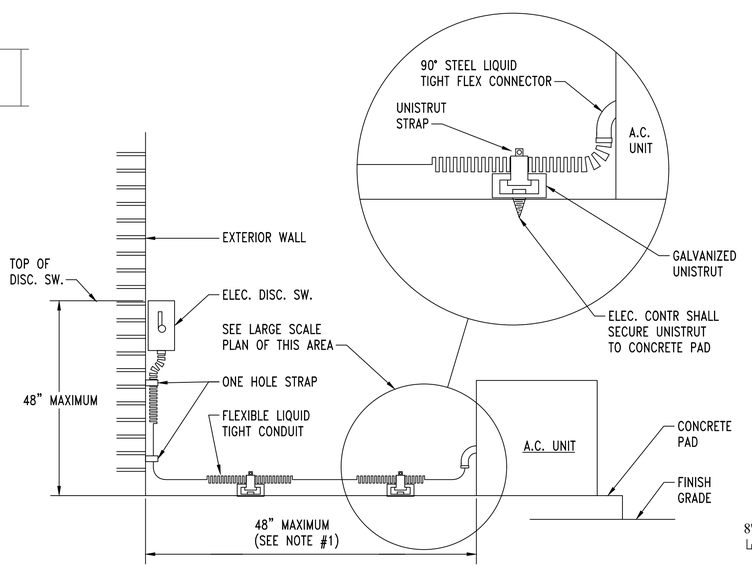
1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS, ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (2) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. COORDINATE WITH GENERAL EQUIPMENT SCHEDULES ON THIS SHEET FOR CIRCUITRY OF ALL EQUIPMENT TAGGED ON THIS SHEET.
9. SEE DETAIL (3) THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.



TYPICAL NORMAL POWER NAMEPLATE

2 / E3.1 DETAIL - TYPICAL DISCONNECT NAMEPLATE
NO SCALE

NOTE:
1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



3 / E3.1 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE

1/8" = 1'-0"
8' 0 8 16 FT
GRAPHIC SCALE

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PH&J architects inc.
Alabama
Montgomery,

NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA

ALABAMA REGISTERED NO. 26988 PROFESSIONAL ENGINEER
KENNETH RAY GUNN JR.
12-12-2025

DRAWN	J.C.T.
CHECK	K.R.G.
DATE	NOVEMBER 20, 2025 RTA
REVISED	DECEMBER 12, 2025 1
REVISED	
SHEET TITLE	FLOOR PLAN - MECHANICAL POWER
JOB NO.	PH&J #2502-CUA DCM #2025417
SEQUENCE NO.	34 OF 41

ADDENDUM NO.: 1
ATTACHMENT #3

E3.2

PROJECT NAME AND JOB NUMBERS

PANEL - SE

TYPE: 400 AMP MAIN LUG ONLY | AIC: 65,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

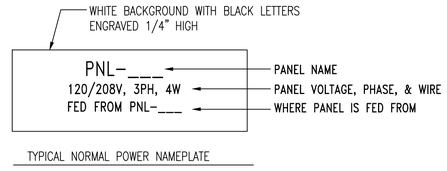
CIRCUIT DIRECTORY	(VA) PER PHASE PHASE A	PHASE B	PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE PHASE A	PHASE B	PHASE C	CIRCUIT DIRECTORY
EXTERIOR LIGHTS	410			20	1	1	2	20	1	1,200			RECEPTACLE
LIGHTING		1,306		20	1	3	4	20	1		1,200		RECEPTACLE
SHOP LIGHTS			1,330	20	1	5	6	20	1			1,200	RECEPTACLE
SHOP LIGHTS	1,521			20	1	7	8	20	1	1,200			RECEPTACLE
SPARE				20	1	9	10	20	1		1,200		RECEPTACLE
SPARE				20	1	11	12	20	1			1,200	RECEPTACLE
SPARE				20	1	13	14	20	1	1,200			RECEPTACLE
EF-1		864		20	1	15	16	20	1		1,200		RECEPTACLE
CON-1			600	20	1	17	18	20	1			1,200	RECEPTACLE
RECEPTACLE	1,200			20	1	19	20	20	1	1,200			RECEPTACLE
RECEPTACLE		1,200		20	1	21	22	20	1		1,200		RECEPTACLE
RECEPTACLE			1,200	20	1	23	24	20	1			900	EWC
RECEPTACLE	1,200			20	1	25	26	20	1	1,200			RECEPTACLE
LIFT #1		1,373		30		27	28	20	1		1,200		RECEPTACLE
			1,373		2	29	30	20	1			900	EWC
LIFT #2	1,373			30		31	32	70		3,203			COMPRESSOR (5HP 1 PH)
		1,373			2	33	34		2		3,203		
SPARE				20	1	35	36	30				2,250	WH-1
PKG-1	1,920			30		37	38		2	2,250			
		1,920				39	40	30			2,250		WH-2
			1,920		3	41	42		2			2,250	
VEXF-1 (1HP)	576			20		43	44	70		4,733			DOAS-1
		576				45	46				4,733		
			576		3	47	48		3			4,733	
VEXF-2 (1HP)	576			20		49	50	20	1	1,200			RECEPTACLE
		576				51	52						SPARE
			576		3	53	54						SPARE
EUH-1	2,500			30		55	56						SPARE
		2,500			2	57	58						SPARE
BUSSED SPACE						59	60						SPARE
BUSSED SPACE						61	62						SPARE
BUSSED SPACE						63	64						SPARE
BUSSED SPACE						65	66						SPARE
BUSSED SPACE						67	68						SPARE
BUSSED SPACE						69	70						SPARE
BUSSED SPACE						71	72						SPARE
BUSSED SPACE						73	74						SPARE
BUSSED SPACE						75	76						SPARE
BUSSED SPACE						77	78						SPARE
BUSSED SPACE						79	80						SPARE
BUSSED SPACE						81	82						SPARE
BUSSED SPACE						83	84	20	1			600	TBB
SUB TOTAL (VA)	11,276	11,688	7,575							17,386	16,186	15,233	

TOTAL LOAD PHASE A: 28,662 (VA)
TOTAL LOAD PHASE B: 27,874 (VA)
TOTAL LOAD PHASE C: 22,808 (VA)
TOTAL LOAD: 79,344 (VA) = 220 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE WITH INTEGRAL TVSS WITH 160,000 AMPS PER MODE PROTECTION.
3. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAIL.
4. PROVIDE ARC FAULT LABEL PER DETAILS.
5. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.

PANELBOARD NOTES:

1. PANELBOARDS SHALL BE INSTALLED AND ALL CLEARANCES MAINTAINED IN ACCORDANCE WITH THE NEC.
2. ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
3. PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED ENCLOSURE, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
4. FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
5. THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY INTO THE PANEL, SO AS TO MINIMIZE CONDUCTOR FILL IN THE ENCLOSURE. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
6. PROVIDE THE PROPER SIZE AND QUANTITY OF CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) ON BUSES AND CIRCUIT BREAKERS FOR THE RESPECTIVE SIZE AND NUMBER OF CONDUCTORS INDICATED.
7. ALL FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX (6) 3/4" SPARE CONDUITS STUBBED TO ABOVE THE NEAREST ACCESSIBLE CEILING.
8. PANELBOARDS SHALL BE FULLY RATED. SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.
9. ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC ARTICLE 110.16 WITH REGARD TO POTENTIAL HAZARDS OF ARC FLASH.
10. ALL PANELBOARDS SHALL BE "DOOR-IN-DOOR" OR "HINGED-FRONT-TRIM" CONSTRUCTION.
11. COMPLY WITH NEC ARTICLE 408.4. PROVIDE A TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE THE ROOM NUMBER IN THE CIRCUIT DESCRIPTION ON THE DIRECTORY.
12. EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL 1 ON THIS SHEET. ENGINEER WILL NOT PROVIDE FINAL ACCEPTANCE UNTIL THESE NAMEPLATES ARE PROVIDED.



TYPICAL NORMAL POWER NAMEPLATE

1 / E5.2 DETAIL - TYPICAL PANELBOARD NAMEPLATE
NO SCALE

NOTES:

1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
4. THE SIZE OF THE LABEL SHALL BE:

EQUIPMENT TYPE	HEIGHT	WIDTH
INDOOR	4"	6"
OUTDOOR	4"	6"

2 / E5.2 ARC FLASH WARNING LABELS
NO SCALE

POWER EQUIPMENT MANUFACTURERS BIDDING THIS PROJECT SHALL INCLUDE IN THEIR BASE BID PRICE AND ALL EXPEDITED CHARGES AS REQUIRED TO SHIP SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, AND DISCONNECTS TO THE JOB SITE S REQUIRED TO MEET PROJECT SCHEDULE. CONTRACTOR AND SUPPLIER SHALL SET THIS TIME PRIOR TO BID ACCORDING PUBLISHED SCHEDULE IN BID DOCUMENTS.

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SHEET TITLE: PANELBOARD SCHEDULE, DETAILS & NOTES

JOB NO. PH&J #2502-CUA
DCM #2025417

SEQUENCE NO. 37 OF 41

ADDENDUM NO.: 1
ATTACHMENT #4

E5.2

PROJECT NAME AND JOB NUMBERS