

### Primary Engineering, Inc.

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Date: **3/14/2025** 

Project: FWCS HPB Natatorium HVAC Improvements

Comm #: **24634** 

The following items shall be incorporated into the specifications and drawings and are considered to be integral to the bid documents for the project. Acknowledgement of receipt of this addendum is required on the bid form.

## Item #1: Specifications Section 230130.52 "Existing HVAC Air Distribution System Cleaning"

- **A.** Delete requirements for Indoor Environmental Professional (IEP).
- **B.** Delete Part 3.1 D.
- C. Delete Part 3.3 D.
- D. Delete Part 3.3 E.

## Item #2: Specifications Section 260529 "Hangers and Supports for Electrical Systems"

- A. Part 2.A.3: Replace "Galvanized Steel" with "Stainless Steel".
- **B.** Part 2.B "Aluminum Slotted Support Systems:" Delete in its entirety.
- **C.** Part 2.C Conduit and Cable Support Devices Replace "Steel and malleable-Iron hangers" with "Stainless Steel hangers".
- D. Part 2.F.6 Revise to be "Toggle Bolts: All stainless steel springhead type."

#### Item #3: Specifications Section 260533.13 "Conduits for Electrical Systems"

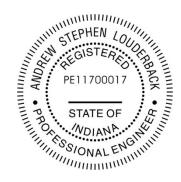
- A. Part 3.1.C.2 Delete "or IMC."
- B. Part 3.1.C.3 Delete "or IMC."
- C. Part 3.1.C.1 Replace "ERMC" with ERMC or PVC-80"
- **D.** Part 3.1.D.2 Replace "ERMC or IMC" with "ERMC or PVC-80"
- E. Part 3.1.D.5 Replace "ERMC" with "PVC-80". (Natatorium is Wet Location)

## Item #4: Drawing Sheet M001 "Mechanical Information Sheet."

**A.** Add Refrigerant Leak Detection and Control Diagram. See attached drawing revision to M001 dated 3/14/2025.

## Item #5: Drawing Sheet E201 "Electrical Plans."

**A.** Add power to EF-1 & EF-2 and (2) RMP (refrigerant monitor panel). See attached drawing revision to E201 dated 3/14/2025.



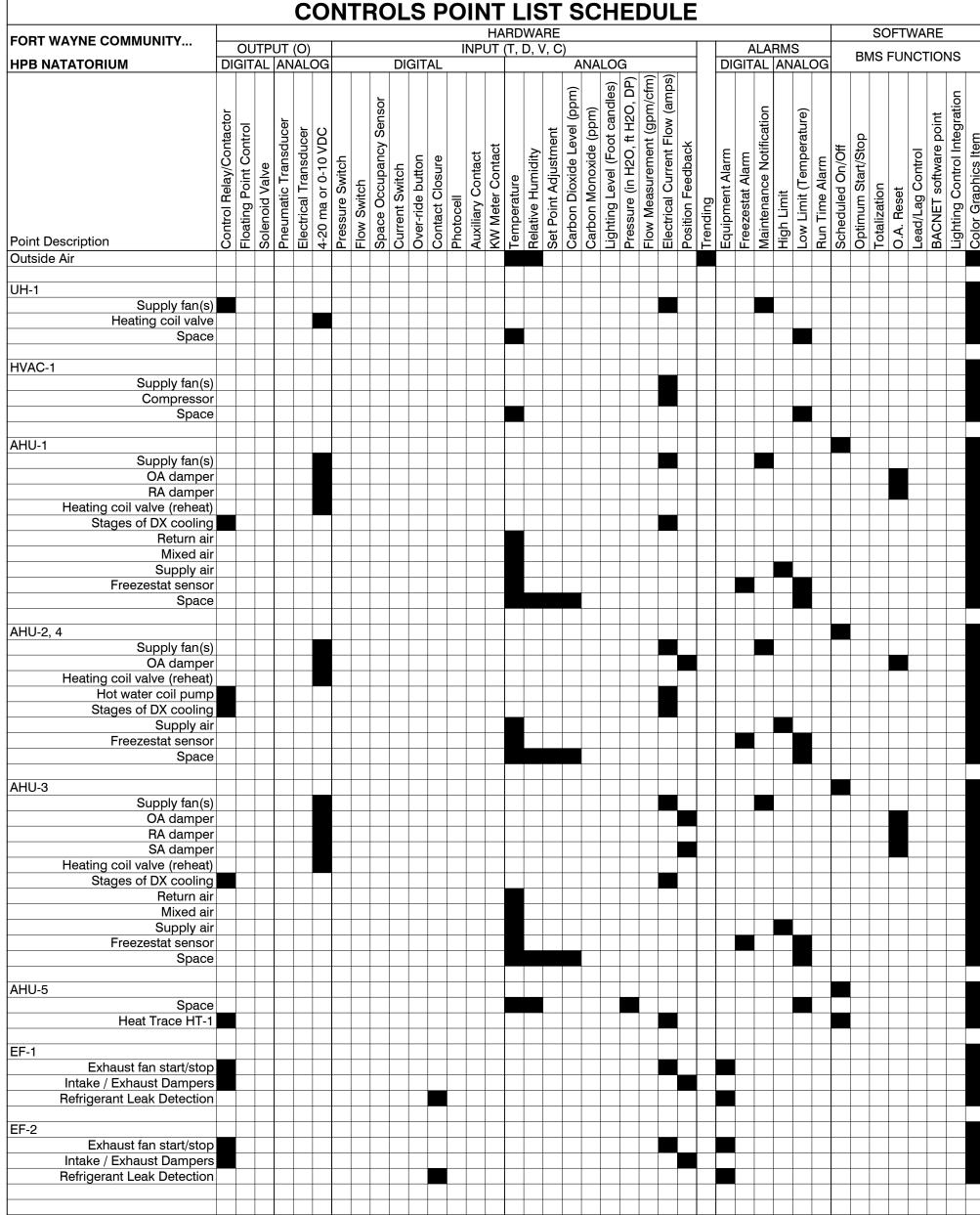
**B.** Clarification" any conduit in Natatorium shall be PVC-80, cleaned, prepped, primed and painted two coats.

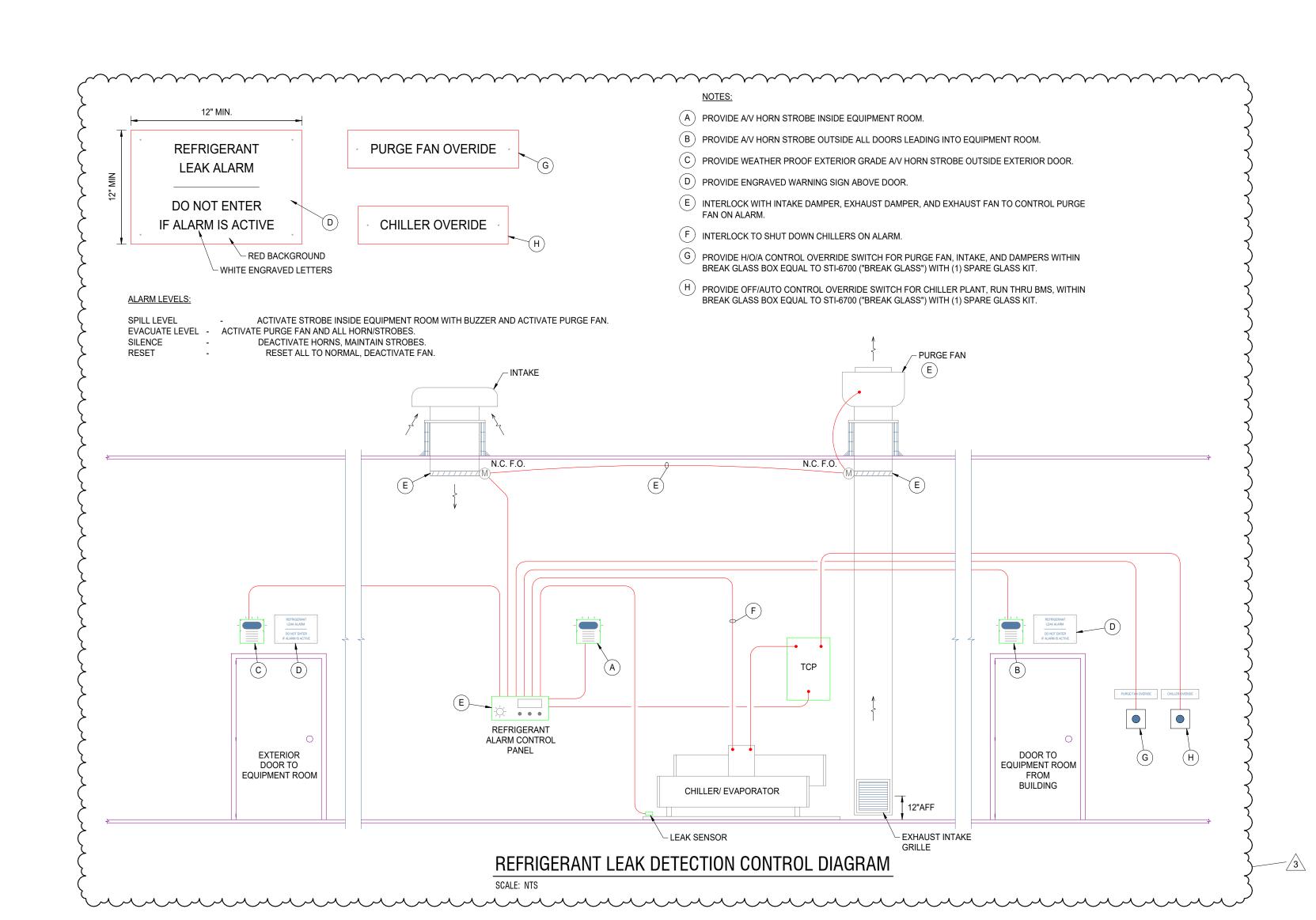
## Item #6: Drawing Sheet E401 "Electrical Details and Schedules."

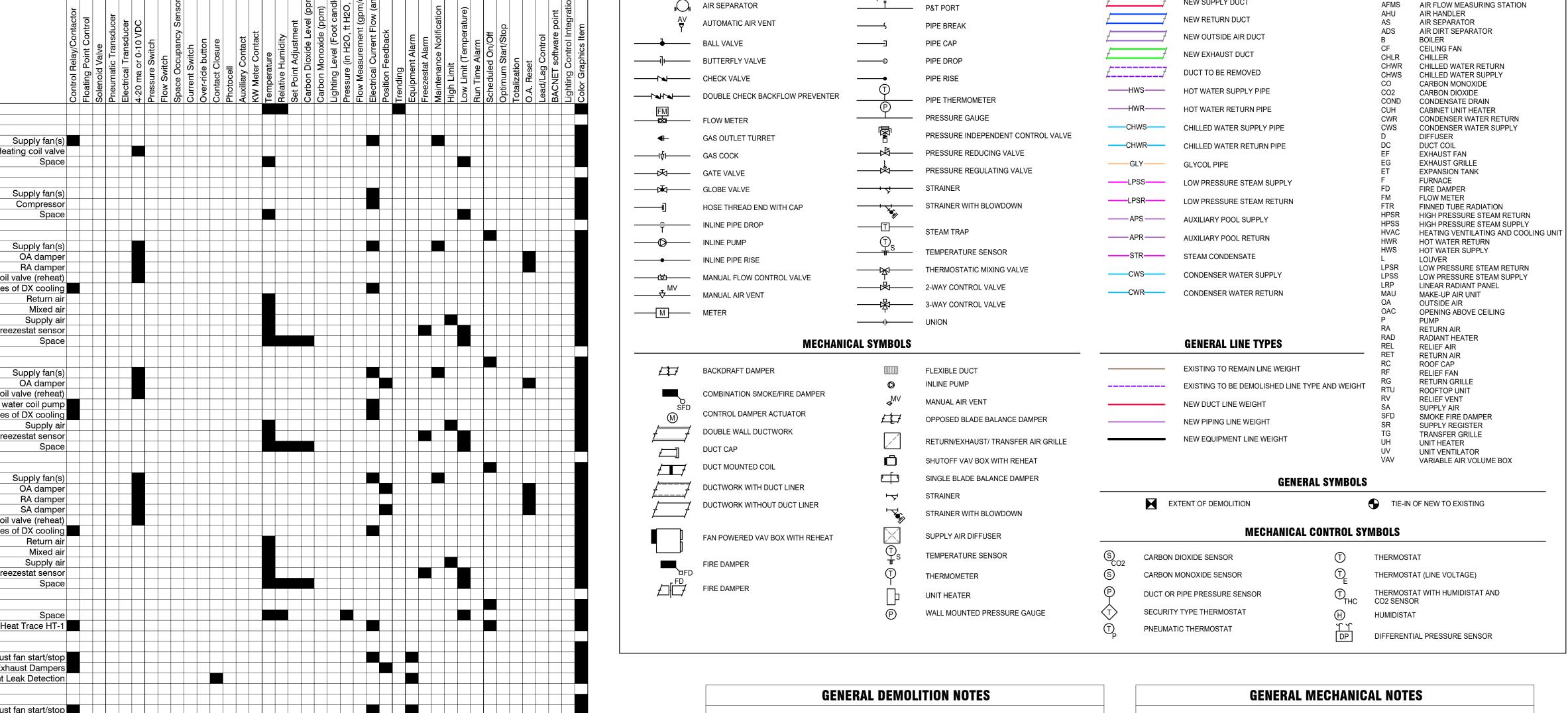
**A.** Add EF-1 & 2 to Equipment Schedule. Add breaker in Panel HV1 for EF-1. See attached drawing revision to E401 dated 3/14/2025.

1. PACKAGED VSD'S INTERNAL TO HVAC EQUIPMENT SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER UNLESS NOTED OTHERWISE. REFER TO EQUIPMENT SCHEDULES FOR VSD'S TO BE FURNISHED BY EQUIPMENT MANUFACTURER.

2.	PACKAGED CONTROL DAMPERS, VALVES, AND ACTUATORS INTEGRAL TO HVAC EQUIPMENT SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER
	UNLESS NOTED OTHERWISE. REFER TO EQUIPMENT SCHEDULES AND DETAILS FOR MORE INFORMATION.
3.	TCC COORDINATE WITH GC FOR ROOF PENETRATIONS.
4.	TCC COORDINATE WITH MC FOR REFRIGERANT AND GAS PIPING SOLENOID VALVE LOCATIONS.







AUTOMATIC FLOW CONTROL VALVE

PIPING SYMBOLS

P&T RELIEF VALVE

ALL EXISTING PENETRATIONS FROM DUCT/PIPE/WIRE/CONDUIT THAT ARE REMOVED SHALL BE PATCHED BY PROPER TRADES TO MATCH SURROUNDINGS UNLESS PENETRATION IS TO BE REUSED. PATCH ALL FLOOR AND WALL PENETRATIONS TO MAINTAIN FIRE RATED CONSTRUCTION. REFER TO CUTTING AND PATCHING NOTES.

**MECHANICAL SYMBOL SCHEDULE** 

**MECHANICAL LINE TYPES** 

EXISTING DUCT TO REMAIN

NEW SUPPLY DUCT

**ABBREVIATIONS** 

AIR COOLED CONDENSING UNIT

ABOVE FINISHED FLOOR

ACCU

AFF

- ALL PIPE TO BE REMOVED SHALL BE REMOVED TO WITHIN CONCEALED AREAS SUCH AS WALL CAVITIES AND BELOW FLOOR SLABS. CAP PIPING AIR AND WATER TIGHT. PATCH SURFACES TO MATCH ADJACENT.
- PRIOR TO CUTTING EXISTING SLAB ON GRADE, CONTRACTOR SHALL VERIFY PRESENCE OF EXISTING UTILITIES SUCH AS PIPING, CONDUIT, WIRE, ETC. AND SHALL TAKE PRECAUTIONS TO PROTECT EXISTING UTILITIES, ISOLATE PIPING, AND DE-ENERGIZE ELECTRICAL POWER.

# **EXISTING FINISHES**

- EXISTING SECOND FLOOR CARPET TILE FLOORING: J+J FLOORING KINETEX ANALOG 1821 COLOR
- EXISTING CONCESSION AND RESTROOM CEILINGS: 2x4 VINYL COVERED CEILING TILE USG 3260
- EXISTING CEILINGS: 2x2 ACOUSTICAL CEILING TILE USG 2310.
- 4. EXISTING INTERIOR WALL PAINT: PPG FWCS SPECIAL UMBER.
- EXISTING VINYL FLOOR TILE: ARMSTRONG STANDARD EXCELON, IMPERIAL TEXTURE, 12"x12", 0.125"

# **GENERAL FIRE PROTECTION NOTES**

- 1. ALL WORK SHALL COMPLY WITH THE CURRENT VERSION OF NFPA 13 AND ALL LOCAL, STATE, AND NATIONAL CODES. ALL PIPING SHALL BE SCH 40 STEEL, SCH 10 STEEL, SCH 40 GALVANIZED, OR DYNAFLOW/MEGAFLOW
- PIPE WITH ROLL-GROOVE COUPLING JOINTS, THREADED, OR FLANGED CONNECTION
- ALL PIPING EXPOSED TO VIEW IN FINISHED SPACES (OTHER THAN EQUIPMENT ROOMS) SHALL BE PAINTED TO MATCH EXISTING
- THE INSTALLING CONTRACTOR SHALL DESIGN THE FIRE PROTECTION SYSTEM AND SUBMIT FOR REVIEW BY THE ENGINEER AND SUBSEQUENTLY SUBMIT FOR REVIEW BY STATE AND LOCAL
- ALL PIPING SHALL BE LABELED "FIRE PROTECTION WATER".
- INSTALLER'S RESPONSIBILITIES INCLUDE DESIGNING, FABRICATING, AND INSTALLING SPRINKLER SYSTEMS AND PROVIDING PROFESSIONAL ENGINEERING SERVICES NEEDED TO ASSUME

# ADDITIONAL WORK RESTRICTIONS

OWNER WILL OCCUPY PROJECT SITE AND BUILDING DURING ENTIRE CONSTRUCTION PERIOD. ALL WORK SHALL BE RESTRICTED TO DAYS AND TIMES SHOWN BELOW AND ACCORDING TO SUMMARY OF WORK SPECIFICATION SECTION 011000. SEE DEFINITIONS BELOW.

- AUGUST 4, 2025 THROUGH OCTOBER 31, 2025: "OUTDOOR."
- MARCH 2, 2026 THROUGH JULY 10, 2026: "OUTDOOR."

ENGINEERING RESPONSIBILITY.

- 4. JULY 27, 2026 THROUGH OCTOBER 23, 2026: "OUTDOOR." AUGUST 4, 2025 THROUGH AUGUST 29, 2025: "POOL EMPTY."
- 6. JULY 27, 2026 THROUGH OCTOBER 9, 2026: "POOL EMPTY."
- AUGUST 30, 2025 THROUGH SEPTEMBER 26, 2025: "NON-DECK."
- 8. MARCH 30, 2026 THROUGH APRIL 6, 2026: "NON-DECK."
- 9. OCTOBER 12, 2026 THROUGH OCTOBER 23, 2026: "NON-DECK."
- 10. JULY 18 AND 19, 2025 AND AUGUST 1, 2, AND 3, 2025: "CITY SWIM MEET."
- 11. JULY 17, 18, 23, 24, 25, AND 26, 2026: "CITY SWIM MEET."
- 12. "NON-DECK" DEFINITION: INDOOR WORK ALLOWED ON FIRST FLOOR IN MECHANICAL ROOMS, STORAGE ROOMS, AND SUPPORT SPACES. WORK ALLOWED ON SECOND FLOOR. WORK ON FIRST FLOOR NATATORIUM POOL DECK PROHIBITED. NATATORIUM UTILITY INTERRUPTIONS PROHIBITED.
- 13. "POOL EMPTY" DEFINITION: POOL WILL BE DRAINED. ALL WORK ALLOWED. NATATORIUM UTILITY INTERRUPTIONS ALLOWED.
- "OUTDOOR" DEFINITION: INDOOR WORK PROHIBITED. OUTDOOR WORK ALLOWED. NATATORIUM UTILITY INTERRUPTIONS PROHIBITED.
- "CITY SWIM MEET" DEFINITION: ALL WORK PROHIBITED. UTILITY INTERRUPTIONS PROHIBITED. CONTRACTOR ACCESS TO SITE PROHIBITED. NO CONTRACTOR EQUIPMENT OR MATERIALS STORED ON SITE. ALL WORK AREAS CLEAN AND PROTECTED.

- DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.
- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE NEW DUCTWORK AND PIPING WITH ELECTRICAL JUNCTION BOXES TO PREVENT OBSTRUCTIONS.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.
- CONTRACTOR SHALL PROVIDE AND INSTALL VOLUME CONTROL DAMPER WITH ALL GRILLES, DIFFUSERS, AND REGISTERS. DAMPER SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION.
- REFER TO DETAIL SHEETS FOR ADDITIONAL INFORMATION.

REQUIRED TO OFFSET AROUND EXISTING DEVICES.

- DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIALS, ETC. SHALL BE BORNE BY THIS
- CONTRACTOR. COORDINATE WITH OTHER TRADES. ALL THERMOSTATS/HUMIDITY SENSORS WITH ADJUSTMENT BUTTONS/SLIDERS/KNOBS/DISPLAYS/ETC. SHALL BE MOUNTED WITH THE TOP OF THE DEVICE NO

REQUIREMENTS. PROVIDE AND INSTALL ADDITIONAL SURFACE RACEWAY, BOXES, CONDUIT, ETC. AS

DUCTWORK SIZES SHOWN INDICATE NOMINAL INTERIOR DIMENSIONS. DOUBLE WALL AND INTERNALLY LINED DUCTWORK EXTERIOR DIMENSIONS ARE GREATER THAN SIZES SHOWN.

MORE THAN 48" ABOVE FINISHED FLOOR IN COMPLIANCE WITH LOCAL AND FEDERAL ADA

- CONTRACTOR SHALL PROVIDE AND INSTALL CUSTOM METAL FILTER FRAME AND MEDIA FROM HOMETOWN FILTER FOR ALL HVAC EQUIPMENT UNLESS NOTED OTHERWISE. CONTRACTOR SHALL REMOVE CONSTRUCTION FILTERS.
- CONTRACTOR SHALL LABEL EXISTING ELECTRICAL JUNCTION BOXES AND DEVICES ASSOCIATED WITH EXISTING ELECTRICAL CIRCUITS TO BE MODIFIED. CONTRACTOR SHALL UPDATE ELECTRICAL PANEL CIRCUIT DIRECTORIES.
- CONTRACTOR SHALL VERIFY SUITABILITY AND FUNCTION OF EXISTING SANITARY WASTE, VENT, AND STORM DRAIN PIPING PRIOR TO TIE-IN. CONTRACTOR SHALL REPORT DEFICIENCIES TO OWNER AND ENGINEER PRIOR TO TIE-IN.
- PROVIDE AND INSTALL 16 GAUGE WELDED GALVANIZED STEEL CAP ON EXISTING ROOF CURBS INDICATED TO BE ABANDONED. CONSTRUCT CAP WITH CROSS BREAKS FOR RIGIDITY. SEAL CAP AIR AND WATER TIGHT TO EXISTING ROOF CURB. INSULATE BELOW CAP WITH (2) LAYERS OF 2" THICK R-8 FLEXIBLE ELASTOMERIC INSULATION.
- 13. CONTRACTOR SHALL SALVAGE AND RECLAIM EXISTING REFRIGERANT FROM REFRIGERATION EQUIPMENT TO BE REMOVED INTO OWNER-FURNISHED CONTAINER AND DELIVER TO OWNER. COORDINATE WITH OWNER.
- 14. CONTRACTOR AND/OR SUBCONTRACTOR SHALL NOT STAGE AND/OR STORE MATERIALS ON EXISTING ROOF SYSTEMS NOT PART OF THIS WORK. PROTECT EXISTING ROOFING WITH 1/2" THICK PLYWOOD
- 15. ITEMS NOTED TO BE SALVAGED SHALL BE DELIVERED TO OWNER BY CONTRACTOR. DELIVER TO FWCS FACILITIES 1519 CATALPA STREET, FORT WAYNE, INDIANA 46802. COORDINATE DELIVERY WITH OWNER. PROVIDE TRANSMITTAL AND SHIPPING RECEIPT TO CONFIRM DELIVERY AND RECEIPT BY
- 16. REFER TO EXISTING FINISHES SCHEDULE THIS SHEET FOR EXACT MATCH TO EXISTING FINISHES INCLUDING BUT NOT LIMITED TO PAINT, VINYL AND CARPET FLOOR TILE, AND ACOUSTICAL CEILING
- 17. ALL ROOMS SHALL BE CONSIDERED HOSTILE OR CORROSIVE ENVIRONMENT. ALL MATERIAL FOR HANGERS AND SUPPORTS SHALL BE STAINLESS STEEL OR EPOXY POWDER COATED CARBON STEEL.
- 18. PROVIDE AND INSTALL NEW STRUCTURAL LINTEL AT ALL NEW MECHANICAL OPENINGS THROUGH EXISTING WALLS. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.

# **GENERAL CUTTING AND PATCHING NOTES**

- ALL PENETRATIONS INTO EXISTING SURFACES WHERE EXISTING FOUIPMENT. FIXTURES. DUCTWORK PIPING, CONDUIT, WIRING, WIRE MOLE, ETC. IS TO BE REMOVED SHALL BE PATCHED BY PROPER TRADES USING MATERIALS THAT ARE IDENTICAL TO EXISTING. REFER TO CUTTING AND PATCHING SPECIFICATION SECTION 017329 FOR MORE INFORMATION. CONTRACTOR SHALL FIELD VERIFY ALL
- PATCHING OF EXISTING PAINTED SURFACES SHALL INCLUDE PAINTING TO MATCH EXISTING PAINT COLOR AND SHEEN. EXISTING PENETRATIONS OF CMU BLOCK AND BRICK WALLS LARGER THAN 2" DIA. SHALL BE PATCHED WITH FULL TOOTHED-IN MATCHING CMU BLOCK OR BRICK UNITS WITH COLOR MATCHING GROUT. PENETRATIONS 2" DIA. AND SMALLER SHALL BE PATCHED WITH COLOR MATCHING GROUT.
- PROVIDE PHYSICAL SAMPLES OF COLOR MATCHING GROUT FOR APPROVAL BY OWNER AT EACH 4. EXISTING PENETRATIONS OF GLAZED BLOCK AND BRICK WALLS 2" DIA. AND SMALLER SHALL BE
- PATCHED WITH STAINLESS STEEL COVER PLATES. EXISTING PENETRATIONS OF PLASTER OR GYPSUM SURFACES SHALL BE PATCHED WITH (2) LAYERS 5/8" USG AQUA-TOUGH DRYWALL FRAMED WITH 20 GAUGE STEEL STUDS AT 16" O.C. AND FINISHED
- EXISTING PENETRATIONS OF CARPET FLOOR TILE AND VINYL FLOOR TILE SHALL BE PATCHED BY REMOVING AND REPLACING FULL TILES TO MATCH EXISTING. EXISTING PENETRATIONS OF EXTERIOR BRICK WALL SHALL BE PATCHED WITH SALVAGED BRICK AND
- EXISTING PENETRATIONS OF ACOUSTICAL CEILING TILE SHALL BE PATCHED BY REMOVING AND REPLACING FULL TILES TO MATCH EXISTING.

AND PAINTED TO MATCH EXISTING.



CERTIFICATION:

DATE: 02.24.2025

**MECHANICAL** 

SHEET

SHEET:

**INFORMATION** 

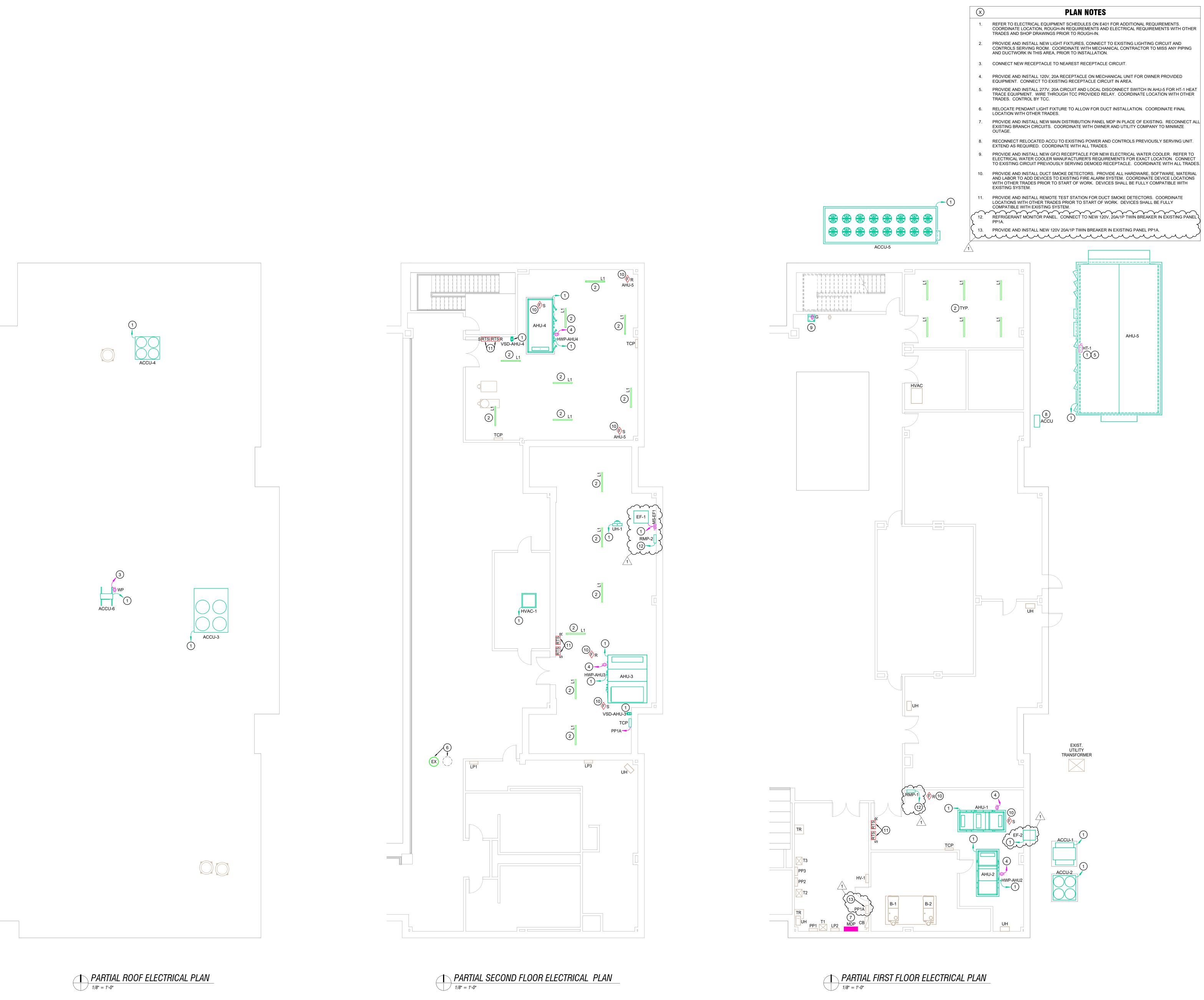
STATE OF

ADDENDUM #1

ADDENDUM #2

**ADDENDUM #3** 

IF THE WHEEL PRINTED BELOW IS NOT SHOWN IN COLOR, THIS SET OF PRINTS IS NOT REPRESENTING ALI
LINE TYPES
CORRECTLY. CONTAC
PRIMARY
ENGINEERING FOR DIRECTIONS ON HO TO OBTAIN A FULI



IF THE WHEEL
PRINTED BELOW IS
NOT SHOWN IN
COLOR, THIS SET OF
PRINTS IS NOT
REPRESENTING ALL
LINE TYPES
CORRECTLY. CONTACT
PRIMARY
ENGINEERING FOR
DIRECTIONS ON HOW
TO OBTAIN A FULL
COLOR SET OF PRINTS

Fort Wayne

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ELEN P. BROWN NATATORIUM

No. Date Description

ADDENDUM #3

DATE: 02.24.2025

ИМ: 24634

ELECTRICAL PLANS

SHEET:

E201

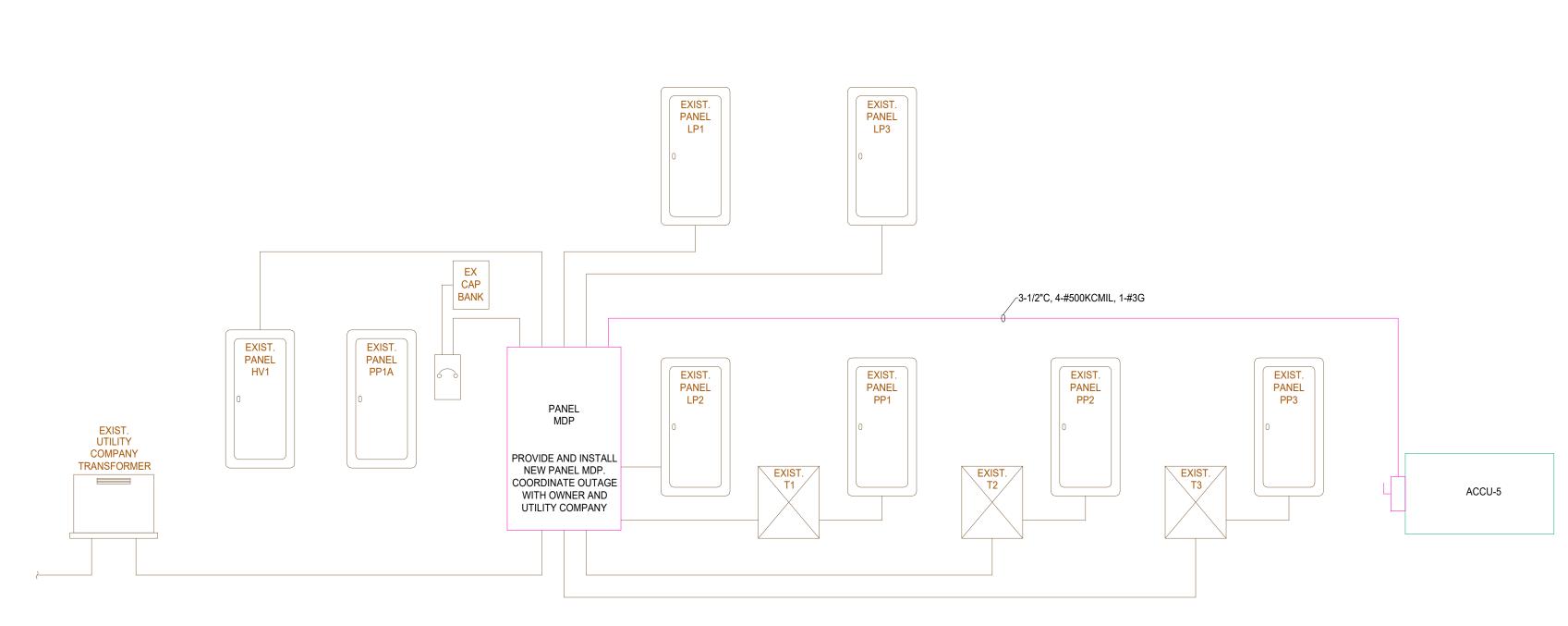
PANEL: MOUNTING TYPE: PANEL REMARKS: COPPER BUS, 100% RA			MER POW-R-LINE PRL1	MLO: K.A.I.C.: FED FROM:	600 AMPERE 18 UTILITY		VOLTAGE: PHASE: WIRE:	277/480 3 4+G		
REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P		0				20A/1P	2	
	3	20A/1P			0			20A/1P	4	
	5	20A/1P				0		20A/1P	6	
	7	20A/1P		0	_			20A/1P	8	
	9	20A/1P			0			20A/1P	10	
	11	20A/1P				0		20A/1P	12	
	13		SPACE	0	0	0	AHU-4	15A/3P	14	
	15	200A/3P	AHU-1 NEW AHU-5	0	0	0	AHU-2 (MOVES?)	200A/3P	16	
	17	200A/3P	AHU-3 (PUMP P1 ??)	0	0	0	PRESSURE BOOSTER SYSTEM	15A/3P	18	
	19	15A/3P		0	0	0	PUMPS P4 & P5 (POOL EQ)	15A/3P	20	
	21	40A/3P	ACCU-1 & ACCU-2	0	0	0	ACCU-3	30A/3P	22	
	23			0	0	0			24	
REMARKS				0	0	0				

ATION	z			CIRCUIT INFORMATIO	N	DISCONNECT					1	ABLE CY/SPEED /FD/VSD)	SOLID STATE MOTOR STARTER								
EQUIPMENT DESIGNATION	EQUIPMENT LOCATION	EQUIPMENT LOAD	VOLTAGE/PHASE	CONDUIT AND CONDUCTOR SIZE	BRANCH CIRCUIT DESIGNATION	PROVIDED BY	FUSED OR NON-FUSED	NEMA ENCLOSURE	DISCONNECT SWITCH SIZE	FUSE RATING	EQUIPMENT MOUNTED CONTROL PANEL	PROVIDED BY	INSTALLED BY	PROVIDED BY	NEMA SIZE	CONTROL	ТҮРЕ	DISCONNECT SWITCH SIZE	FUSE RATING	NEMA ENCLOSURE	REMARKS
AHU-1	OFFICE	6.2 FLA, 4.5KW	480V/3PH	3/4"C, 4-#12, 1-#12 GROUND	LP2-19(21,23)	EC	NF	1	30/3	Х											
AHU-2	W MAKEUP AIR	6.2 FLA, 4.5KW	480V/3PH	3/4"C, 4-#12, 1-#12 GROUND	LP2-20(22,24)	EC	NF	1	30/3	Х											
AHU-3	SPECTATOR	(2X 10HP @	480V/3PH	1"C, 4-#6, 1-#10 GROUND	LP3-2(4,6)	INT						MC	EC								
AHU-4	W MAKEUP AIR	8.7 FLA	480V/3PH	3/4"C, 4-#12, 1-#12 GROUND	LP3-20(22,24)	INT						МС	EC								
AHU-5	NATATORIUM	136FLA / 169MCA	480V/3PH	2"C, 4-#3/0, 1-#6 GROUND	LP3 SUB 1	INT															
ACCU-1	AHU-1	28 MCA	480V/3PH	3/4"C, 4-#8, 1-#10 GROUND	HV1-20(22,24)	EC	NF	3R	60/3	Х											
ACCU-2	AHU-2	55.1 MCA	480V/3PH	1 1/4"C, 4-#4, 1-#8 GROUND	HV1-26(28,30)	EC	NF	3R	100/3	Х											
ACCU-3	AHU-3	160.4 MCA	480V/3PH	2"C, 4-#2/0, 1-#6 GROUND	LP3 SUB 3	EC	NF	3R	200/3	Х											
ACCU-4	AHU-4	55.1 MCA	480V/3PH	1 1/4"C, 4-#4, 1-#8 GROUND	LP3-7(9,11)	EC	NF	3R	100/3	Х											
ACCU-5	AHU-5	355.5 MCA	480V/3PH	3 1/2"C, 4-#500KCMIL, 1-#3 GROUND	MDP	EC	NF	3R	400/3	Х											
ACCU-6	2ND FL	11 MCA	208V/1PH	3/4"C, 3-#10, 1-#12 GROUND	PP1A	EC	NF	3R	30/3	Х											1
HVAC-1	2ND FL	1 MCA	208V/1PH	3/4"C, 3-#10, 1-#12 GROUND	PP1A	EC	NF	1	30/3	X											1
HWP-AHU2	AHU-2	1.5 HP	480V/3PH	3/4"C, 4-#12, 1-#12 GROUND	LP3-34(36,38)	EC	F	1	30/3	5.6A		МС	EC								
HWP-AHU3	AHU-3	2 HP	480V/3PH	3/4"C, 4-#12, 1-#12 GROUND	LP3-34(36,38)	EC	F	1	30/3	6.25A		МС	EC								
HWP-AHU4	AHU-4	1.5 HP	480V/3PH	3/4"C, 4-#12, 1-#12 GROUND	LP3-34(36,38)	EC	F	1	30/3	5.6A		MC	EC								
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EF-1	2ND FL MECH RM	3 HP	480V/3PH	3/4"C, 4-#10, 1-#10 GROUND	HV-1	EC	NF	1	30/3	Х				EC	0	МС	FVNR	30/3		1	3
	1ST FL BOILER RN		120V/1PH	3/4"C, 2-#12, 1-#12 GROUND	PP1A	EC	NF	1	30/1	X		A . A .		<b>.</b>							4
UH-1	2ND FL STORAGE	1/3 HP	120V/1PH	3/4"C, 2-#12, 1-#12 GROUND	PP2-27	EC	NF	1	20/1	X											
LITA	ALUL 5	100011	077\//4 DLL	0/400 0 #40 4 #40 000 IND	1.00.40	F0	NIE	0.0	00/4	V						TOO					
HT-1	AHU-5	1200W	277V/1PH	3/4"C, 2-#10, 1-#10 GROUND	LP3-13	EC	NF	3R	20/1	X						TCC					2
CHEDIII E /	ABBREVATIONS																				
A	AMPACITY		HLO	HIGH/LOW/OFF SWITCH	MHLO	MOMEN	TARY HIC	3H/I OW/	OFF SWIT	гсн											
EC	ELECTRICAL CONT			HAND/OFF/AUTO		NON-FU		on 1, 20 11,	O O												
ΣX	EXISTING EQUIPMI		HP	HORSE POWER	0			HED AND	INSTALL	FD											
<del>-</del>	FUSED		INT	INTEGRAL WITH EQUIPMENT			G LOAD														
LA	FULL LOAD AMPS		LOR	LOCAL/OFF REMOTE SWITCH			SWITCH														
VNR	FULL VOLTAGE NO		M	MOMENTARY ON/OFF SWITCH		WATTS	2														
VR.	FULL VOLTAGE RE			MECHANICAL CONTRACTOR			IRCUIT F	BREAKFF	R, Y POLE												
3	GENERAL CONTRA		MCA	MIN CIRCUIT AMPACITY	,		WITH X		,												
	HIGH/LOW SWITCH			MOMENTARY HIGH/LOW SWITCH		011			-(-)												
	, 31111 01																				

2. PROVIDE AND INSTALL LOCAL DISCONNECT MOUNTED ON AHU-5. COORDINATE LOCATION. WIRE THROUGH CONTROL RELAY PROVIDED BY TCC.

3. PROVIDE AND INSTALL NEW 480V, 15A/3P BREAKER IN PANEL LP3. REMOVE/RELOCATE BREAKERS TO INSTALL NEW INSTALLATION...

4. PROVIDE AND INSTALL NEW 120V, 25A/1P BREAKER IN EXISTING PANEL PP1A. RELOCATE BREAKERS TO ALLOW NEW INSTALLATION.



1 PARTIAL POWER DIAGRAM
NOT TO SCALE

INGED DOC	R COVER,	COPPER BU	S, 100% RATED NEUTRAL BUS							
REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
				0						
1	15	600A/3P	PANEL LP-3		0	0	AHU-5 (NEW)	400A/3P		
				0		0				
1	1	15A/3P	PUMPS 16 & 17 (2@ 3HP) / RAF-A-1	0	0	0	PUMPS 18 & 19 (2 @ 1.5HP)	15A/3P	2	1
				0		0				
1	3	20A/3P	UV SYSTEM	0	0		CONDENSER A2	15A/3P	4	1
					0	0		131,431		
				0						
1	5	70A/3P	TRANSFORMER T1		0	0	PHASE LOSS MONITOR	70A/3P	6	1
				0	_	0				
1	7	70A/3P	TRANSFORMER T2		0	0	ELEVATOR	70A/3P	8	1
				0 24725	-	0				
1	9	70A/3P	TRANSFORMER T3	21725	0 24725	0	PUMPS 7A & 7B (4 @ 15 HP ?)	125A/3P	10	1
				0		24725				
1	11	150A/3P	PANEL LP1	0	0		PANEL LP2	150A/3P	12	1
				0		0				
	13	250A/3P	DEHUMIDIFIER #3 SPARE	0	0		PANEL HV-1	0504/00	14	1
1	13	250A/3P	DEHUMIDIFIER #3 SPANE		0	0	PAINEL TV-1	250A/3P	14	I
EMARKS	l .			24,725	24,725	24,725				l

PANEL REMA	MOUNTING TYPE: PANEL REMARKS:		HV1 EXIST SURFACE EXIST SQ D TYPE NF HINGED COVER, COPPER BUS, 100% RATED NEUTRAL		250 AMPERE 18 SEE RISER THROUGH LUG	s	VOLTAGE: PHASE: WIRE:	277/480 3 4+G		
REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	RE
	1			0	_				2	
OFF	3	50A/3P	SPARE		0		SPARE	40A/3P	4	
	5					0			6	
	7			0	_				8	
	9	30A/3P	PUMPS 1 & 2		0		SPARE	30A/3P	10	
	11					0			12	
$\sim$	13		$\cdots$	0 0	_				14	
1	15	15A/3P	EF-1	}	0		HWRP-1	15A/3P	16	
~ ~ ~	17		~ ~ ~ ~ ~ ~ ~ ~ ~			0			18	
	19			0	-	Ü			20	
	21				0		ACCU-1	35A/3P	22	
	23		SHUNT TRIP			0			24	
	25			0					26	
	27	25A/3P ST	BOILERS 1 & 3		0		ACCU-2	70A/3P	28	
	29	1				0			30	
				0	0	0				
REMARKS 1. PROVID		TALL NEW BI	REAKER							
		TALL NEW BI TO BE GFCI T								



No. Date Description

ADDENDUM #3

DATE: 02.24.2025

COMM: 24634

ELECTRICAL DETAILS AND SCHEDULES

SHEET:

E401