



## **ADDENDUM #1**

**10/2/2024**

### **VERNON HILLS PARK DISTRICT 2024 TCW Lazy River Pump and Filter Replacement Bid**

Prepared by WT Group

This Addendum forms a part of the Contract Documents and modifies the original bidding documents dated September 20, 2024, as noted below. BIDDERS MUST SIGN THE ADDENDUM AND SUBMIT IT WITH THEIR BIDS.

#### **CHANGES TO THE DRAWINGS**

1. Drawing AQ0.2 – PLUNGE POOL / LAZY RIVER EQUIPMENT LIST, “F” HEATER:
  - a. Add the following Note: “NOTE: HEATER IS PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. ALL HEATER CONNECTIONS SHALL BE MADE BY CONTRACTOR, INCLUDING GAS AND ELECTRIC.”
2. Drawing AQ2.1 – Chemical feed piping photo, bottom left corner photo.
  - a. Remove the note “REUSE EXISTING CHEMICAL PIPE PENETRATIONS AS NEEDED FOR NEW CHEMICAL SYSTEM” and replace with the following note: “NOTE: PROVIDE NEW CHEMICAL FEED PIPING FROM INSIDE THE MECHANICAL ROOM TO THE PIPE INJECTION CONNECTIONS. REUSE EXISTING PIPE PENETRATIONS. PROVIDE A WEATHER TIGHT SEAL BETWEEN THE EXISTING SLEEVES AND NEW PIPING.”
3. Add the attached ELECTRICAL DRAWINGS to the Bid set.

#### **CLARIFICATIONS**

1. COMMENT – Drawing There are (2) Special outlet shown on the schedule on E1.1. The breakers size is 90A/3P, Voltage is 480V. It looks like on the MDP schedule the draw is 52A.  
ANSWER – 52 is Full Load Amps, not starting amps. This is correct breaker sized per code. 40hp motor requires a 90A breaker.

2. QUESTION - What receptacle type that is required for the new filtration pumps? A part number would be best.

ANSWER - Not sure what this is, we do not show any new receptacles.

3. QUESTION - Do you have a picture of the existing MDP so I can quote the correct breaker type?

ANSWER – See attached photo.

4. QUESTION - I am assuming for this bid that the raceway we are going to install is galvanized rigid conduit, we are planning on mounting it to galvanized steel strut. Please confirm.

ANSWER – Correct.

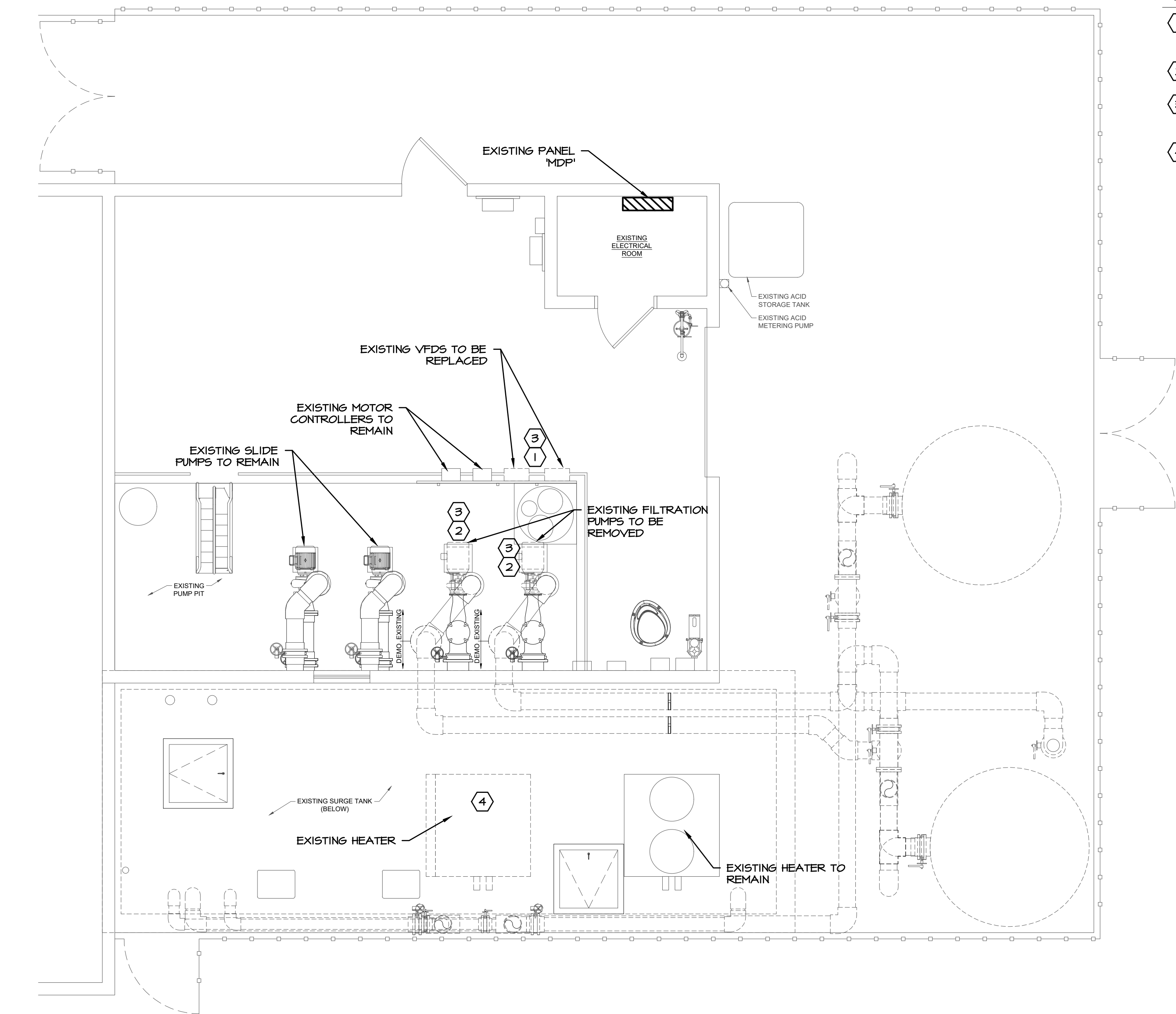
BIDDER MUST SIGN THE ADDENDUM AND SUBMIT IT WITH THEIR BIDS.

Company Name \_\_\_\_\_

Contact Person \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_



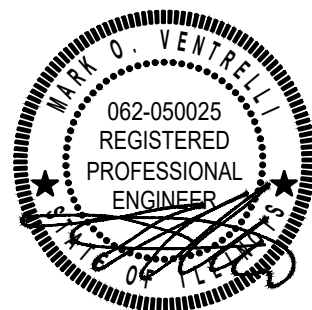
**EQUIPMENT ROOM POWER & SYSTEMS DEMOLITION PLAN**  
1/4" = 1'-0"

**DEMOLITION GENERAL NOTES :**

1. COORDINATE DEMOLITION AND PREPARATION WORK TO MINIMIZE DISTURBANCE TO THE OPERATION OF THE FACILITY. USE DIRECTIONAL SIGNAGE, BARRICADES, AND DUST PARTITIONS AS REQUIRED.
2. ITEMS REMOVED AND SALVAGED SHALL BE TURNED OVER TO OWNER AND TRANSPORTED TO A ROOM OR AREA ONSITE DESIGNATED BY THE OWNER.
3. ELECTRICAL DEMOLITION DRAWINGS HAVE BEEN ASSEMBLED UTILIZING AVAILABLE RECORD DRAWINGS AND VISUAL FIELD OBSERVATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO VISIT THE PROJECT JOBSITE PRIOR TO THE DELIVERY OF BIDS AND THOROUGHLY INVESTIGATE ALL EXISTING CONDITIONS CONCERNING ELECTRICAL DEMOLITION AND INCLUDE IN HIS PRICING ALL LABOR AND MATERIALS TO PERFORM ALL REMOVAL WORK NECESSARY TO ACCOMMODATE NEW CONSTRUCTION. WHERE EXISTING CIRCUITRY EXTENDS BEYOND THE REMODEL AREA, THE SUBCONTRACTOR SHALL PROVIDE ALL EXTENSIONS AND REVISIONS TO EXISTING CIRCUITRY TO MAINTAIN CONTINUITY OF AFFECTED BRANCH CIRCUITRY.
4. AT THE OPTION OF THE SUBCONTRACTOR, EXISTING IN PLACE BRANCH CIRCUITRY CONDUIT AND WIRE MAY BE UTILIZED AS LONG AS THE USE OF EXISTING SYSTEMS DOES NOT ADVERSELY AFFECT THE ORIGINAL DESIGN INTENT OF THE CONSTRUCTION DOCUMENTS.
5. EQUIPMENT SHOWN AS BOLD AND DASHED IN DEMOLITION FRAME IS EQUIPMENT SHALL BE REMOVED COMPLETELY,

**KEYED NOTES:**

- 1 DISCONNECT AND MAKE SAFE FEED TO EXISTING VFD. AFTER NEW VFD ARE INSTALLED RE-CONNECT EXISTING MOTOR FEED.
- 2 REMOVE EXISTING FILTRATION FEEDER FROM VFD TO MOTORS.
- 3 DISCONNECT EXISTING BONDING CABLE AND CONNECTIONS, RE-CONNECT EXISTING BONDING CABLES AFTER NEW EQUIPMENT IS INSTALLED.
- 4 DISCONNECT AND MAKE SAFE FEED TO EXISTING HEATER. AFTER NEW HEATER IS INSTALLED RE-CONNECT EXISTING POWER.





SPECIAL OUTLET SCHEDULE														
⚡	DESCRIPTION	LOCATION	LOAD		FED FROM		O.C.P. (A/P) SIZE/POLE	WIRING	DISCONNECT		JUNCT BOX	RECEPT.	NOTES	
			VOLT/PH	HP	PANEL	CKT			SIZE/POLE	FUSE				
S1	PROPULSION TURBIN #1 LRE-2	EQUIPMENT ROOM	480/3	40	MDP	8	EXISTING 3-#4, 1-#6GRD, 1 1/4" C	EXISTING	VFD	-	-	-	4.	
S2	PROPULSION TURBIN #2 LRE 3	EQUIPMENT ROOM	480/3	40	MDP	6			VFD	-	-	-	4.	
S3														
S4														

- NOTES:
1. PROVIDE NEMA-3R DISCONNECT ADJACENT TO UNIT. PROVIDE FINAL CONNECTIONS TO UNIT.
  2. PROVIDE NEMA-1 DISCONNECT ADJACENT TO UNIT. PROVIDE FINAL CONNECTIONS TO UNIT.
  3. PROVIDE SINGLE CONNECTION TO UNIT. PROVIDE FLEXIBLE CONDUIT FOR FINAL 3".
  4. PROVIDE ALL CONNECTIONS TO VENDOR SUPPLIED VFD AND DOWN STREAM TO ALL PUMPS.
  5. OUTDOOR CONDENSING UNIT POWER FEEDS INDOOR AC UNIT, PROVIDE CONDUIT AND CONDUCTORS BETWEEN THE TWO UNITS.

LEGEND

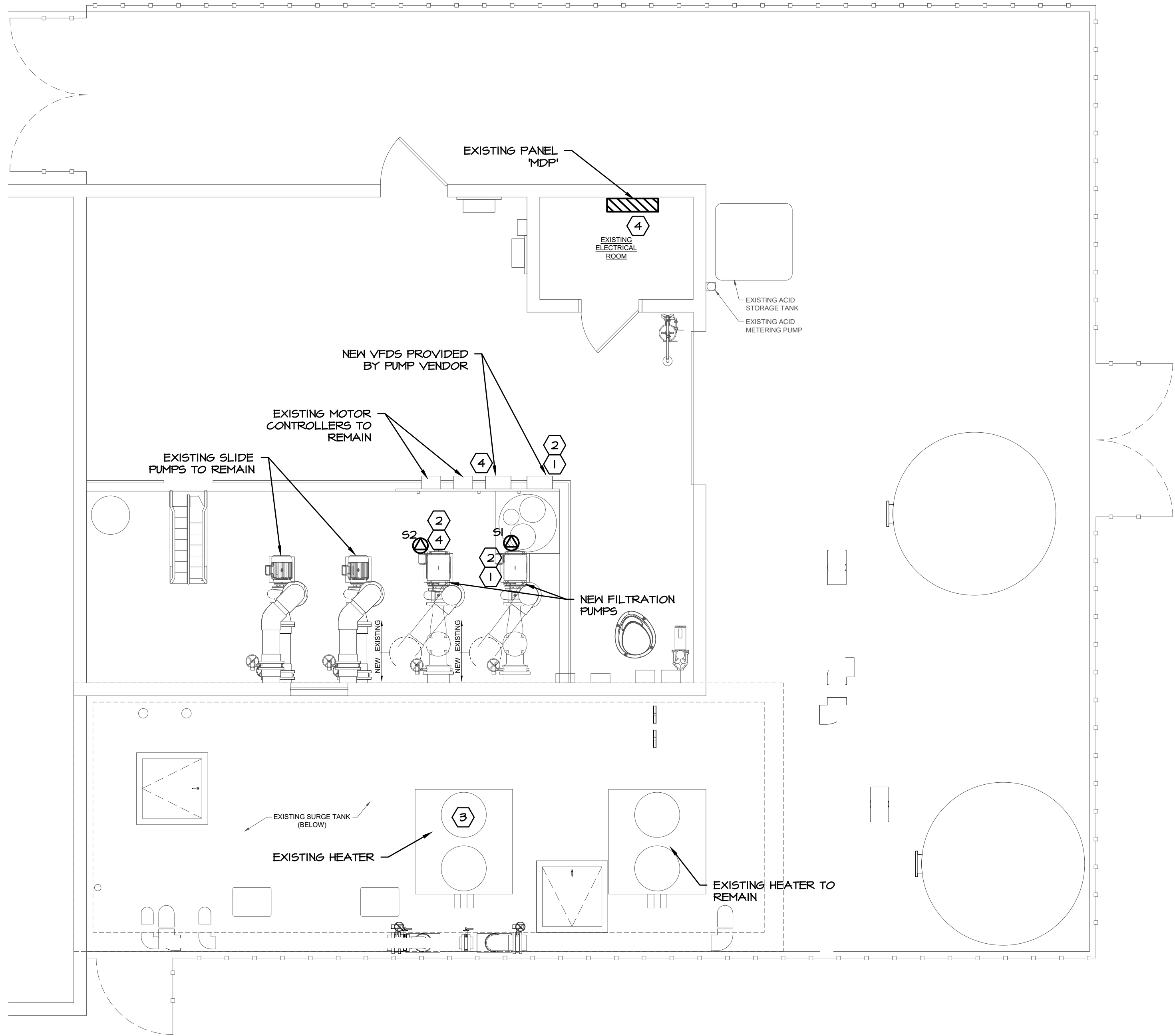
- SYMBOL DENOTES SPECIAL OUTLET CONNECTION, NUMBER (S1) ADJACENT TO SYMBOL CORRESPONDS WITH TAG ON SCHEDULE. REFER TO SPECIAL OUTLET SCHEDULE ON THIS DRAWING.

GENERAL NOTES:

1. ALL BRANCH CIRCUITS SHOWN THAT ARE 120V, 20A, 1 POLE SHALL BE 2-#12, 1-#12GRD, 3/4" C UNLESS OTHERWISE NOTED. CONTRACTOR MAY NETWORK CIRCUITS, IF NETWORKING IS CHOSEN CONTRACTOR MUST COMPLY WITH LATEST ACCEPTED VERSION OF THE NEC.

KEYED NOTES:

- 1 RE-CONNECT EXISTING FEEDER TO NEW VFD. ROUTE NEW CONDUCTORS AND FLEX TO NEW PUMPS.
- 2 RE-CONNECT EXISTING BONDING CABLE AND CONNECTIONS TO NEW EQUIPMENT. ROUTE NEW CABLING IF NEEDED.
- 3 RE-CONNECT EXISTING POWER TO NEW WATER HEATER.
- 4 REPLACE EXISTING 70A BREAKER PRESENTLY FEEDING TURBIN #2 WITH NEW 90A, 3-POLE BREAKER. REPLACE FEEDER CONDUCTORS WITH SIZE SHOWN ON SPECIAL OUTLET SCHEDULE. CONTRACTOR MAY RE-USE EXISTING CONDUIT IF IT IS PROPER SIZE.



1200 AMP BUS									MAIN BREAKER	
480 / 277 V, 3 PHASE, 4 WIRE									EXISTING A.I.C. MINIMUM	
DISTRIBUTION PANEL "MDP"										
CKT	POLE	TRIP	KVA	WIRE	GND	COND	HP	AMPS	DESCRIPTION	
1	3	40	-	EX	EX	EX	-	20	BODY SIDE PUMP 'FPE-2'	
2	3	20	-	-	-	-	-	-	SPARE	
3	3	-	-	-	-	-	-	-	SPARE	
4	3	40	-	EX	EX	EX	-	20	BODY SIDE PUMP 'FPE-3'	
5	3	90	-	EX	EX	EX	-	52	PROPULSION TURBIN #4 'LRE-5'	
6	3	90	-	EX	EX	EX	-	52	PROPULSION TURBIN #2 'LRE-3'	
7	3	100	-	EX	EX	EX	-	52	PROPULSION TURBIN #3 'LRE-4'	
8	3	90	-	EX	EX	EX	-	52	PROPULSION TURBIN #1 'LRE-2'	
9	3	300	-	#350	#1/0	3"	-	-	NEW SPLASH PAD SERVICE 'SP' ✱	
10	-	-	-	-	-	-	-	-	SPACE	
11	3	110	-	EX	EX	EX	-	50	SITE LIGHTING	
12	3	125	-	EX	EX	EX	-	50	TRANSFORMER PANEL 'LPA'	
13	1	20	-	EX	EX	EX	-	-	SPARE	
14	1	20	-	EX	EX	EX	-	-	EM	
15	1	20	-	EX	EX	EX	-	-	GENERAL LIGHTING	
16	1	20	-	EX	EX	EX	-	-	EXIT LIGHTING	
17	1	20	-	EX	EX	EX	-	-	SPARE	
18	1	-	-	-	-	-	-	-	SPACE	
19	3	200	-	EX	EX	EX	-	100	HPB	
20	3	200	-	-	-	-	-	-	SPARE	
TOTAL CONNECTED LOAD									-	
TOTAL ESTIMATED DEMAND									-	
✱ REPLACE EXISTING 100A BREAKER WITH A NEW 250A BREAKER										

1 EQUIPMENT ROOM POWER & SYSTEMS DEMOLITION PLAN  
1/4" = 1'-0"





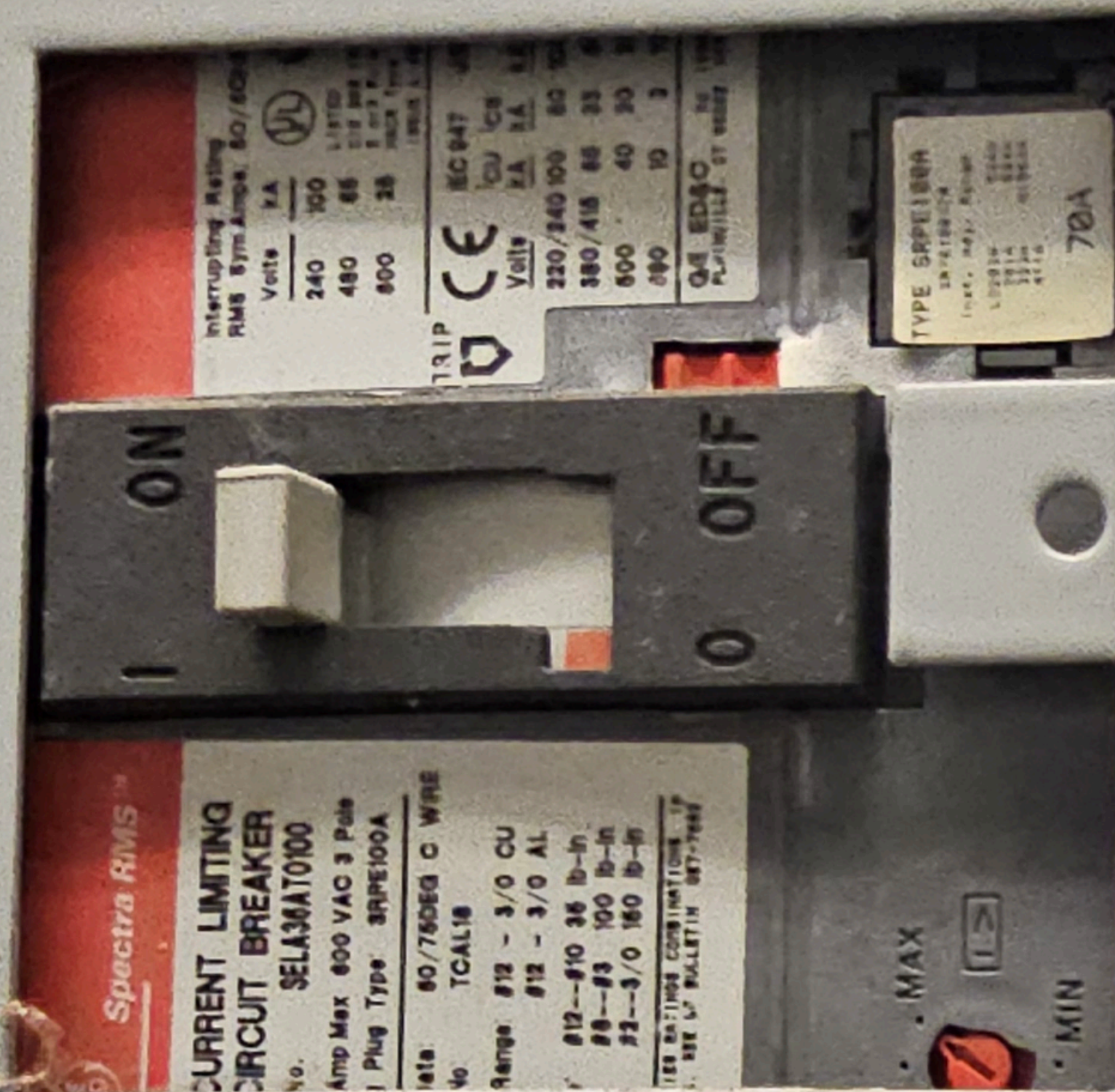




BODY SIDE PUMP  
PPE - 3



PROPULSION TURBIN #2  
LRE - 3



PROPULSION TURBIN #1  
LRE - 2

