

Electrical Load Summary

Project Name: Tangipahoa Regional Solid Waste Facility
 Project Address: 57510 Hano Road
 City / Town: Independence, Louisiana
 Intended Use: Landfill
 Requested Service: 480 Volts 3 Phase 4 Wires
 Service Entrance Size: 200 Amps
 HVAC Tonnage: --- Tons
 Largest Motor: 15.0 HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 120/240V, 3 ϕ , 4W services.)
 Total Building Square Footage: --- Square Feet
 Individual Unit Square Footage: --- Square Feet (Multiple Occupancy)
 Individual Unit Designation: --- (Multiple Occupancy)

LOAD SOURCE	277V / 480V		120V / 208V	
	1 ϕ - kVA	3 ϕ - kVA	1 ϕ - kW	3 ϕ - kW
Building Lighting		or	0.2	
Leachate Lift Station (2 x 5hp)		12.6	or	
Leachate Lift Station Controller		or	0.6	
Compressor (1x 15hp)		24.4	or	
Refrigerated Dryer		or	6.6	
Diaphragm Pump Controllers		or	7.2	
Receptacles		or	2.5	
Other (Specify)		or		

PANEL SCHEDULE

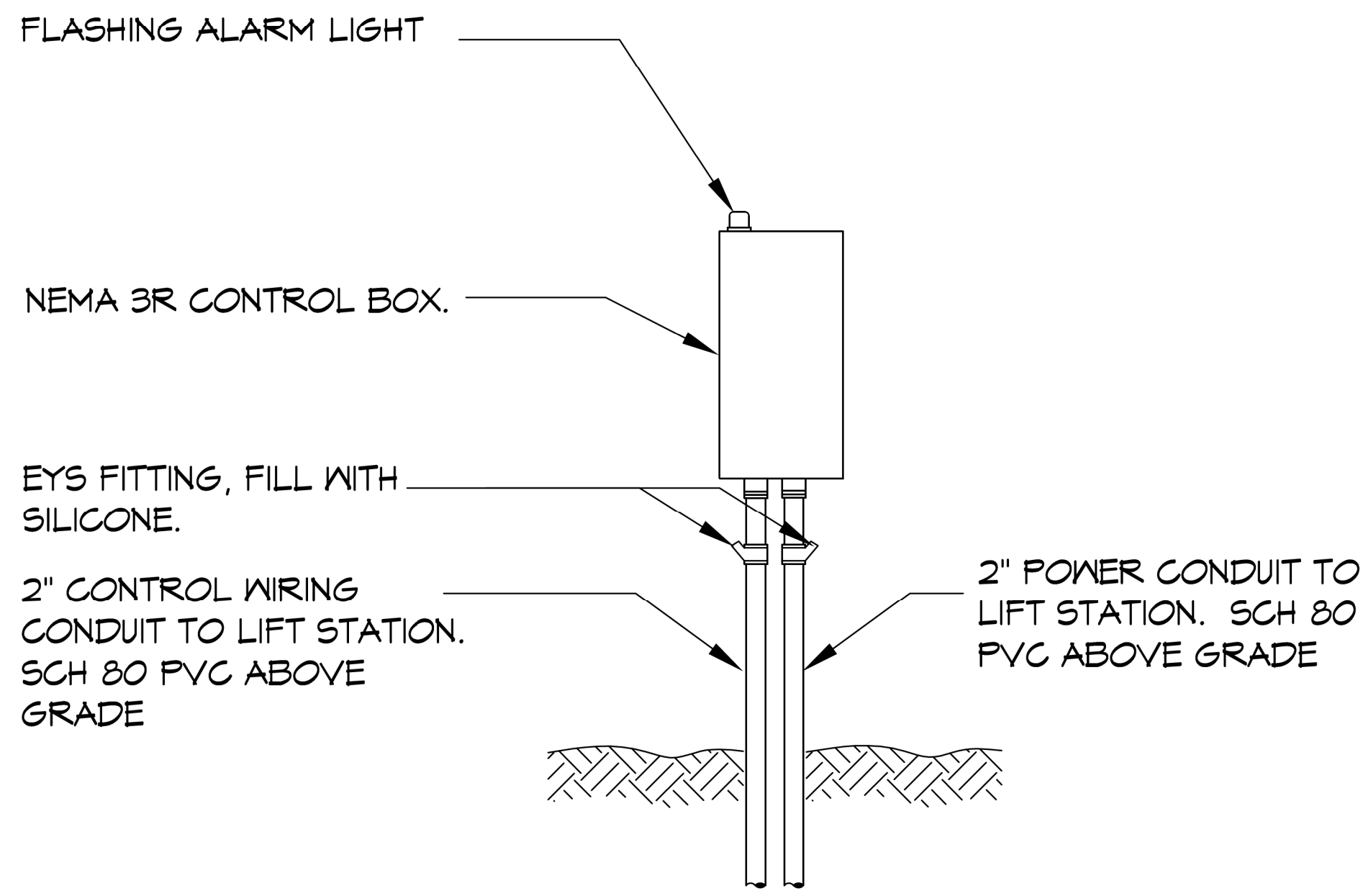
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (kva)	AD	BP	CP	LOAD (kva)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
1												2
3	#6	30 kva TRANSFORMER	55	3					3	50	#6	4
5												6
7									1	20		8
4	#4	LIFT STATION CONTROLLER	60	3					1	20		10
11									1	-		12
13		SPACE	-	1					1	-		14
15		SPACE	-	1					1	-		16
17		SPACE	-	1					1	-		18

NOTE: USE THERMAL-MAGNETIC CIRCUIT BREAKERS FOR ALL MOTORS

PANEL SCHEDULE

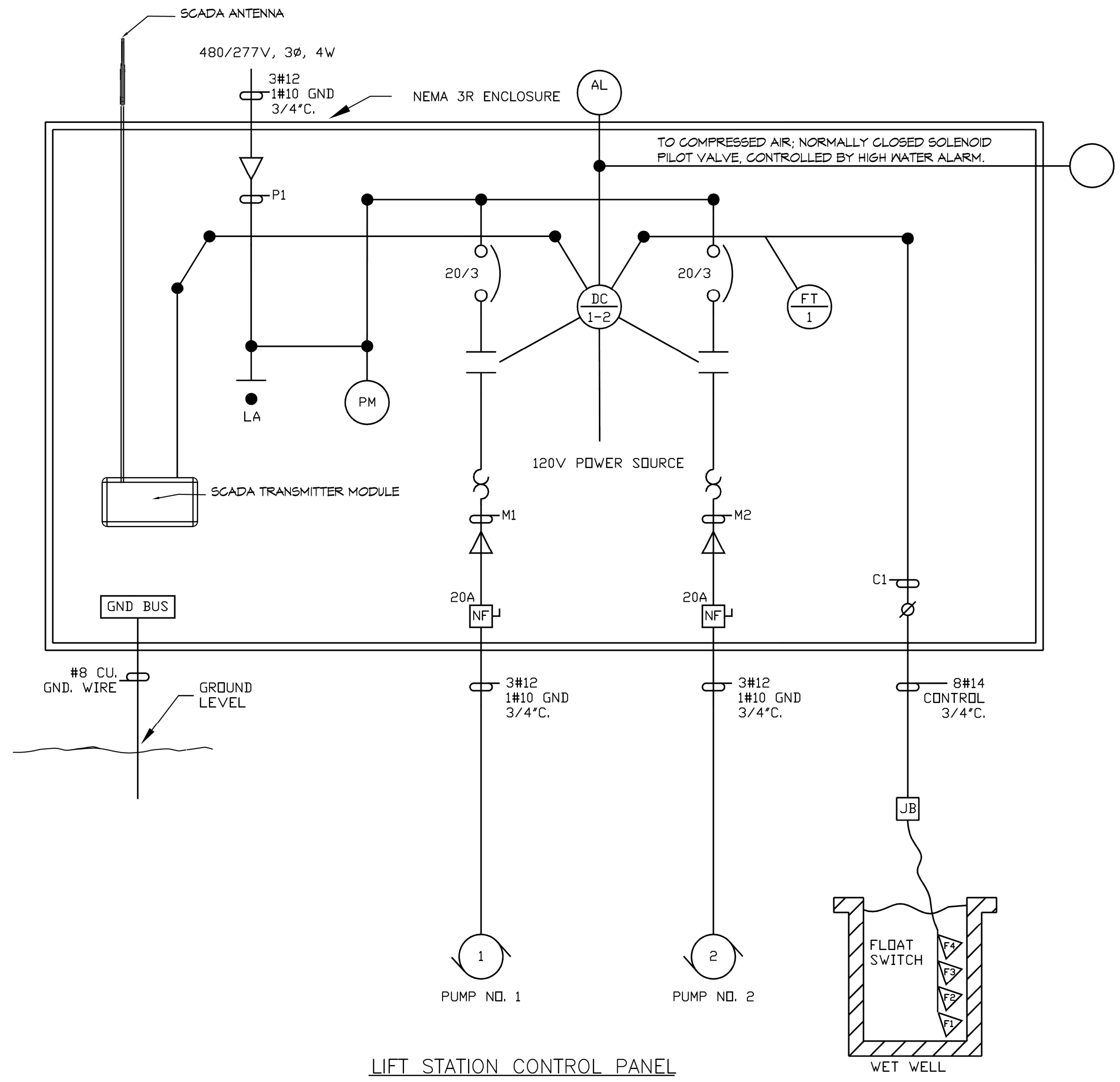
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (kva)	AD	BP	CP	LOAD (kva)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO	
													LOCATION
1	#12	REFRIGERATED DRYER	15	1	1.2				1.0	1	20	#12	2
3	#12	LIGHTING	20	1	0.2				1.0	1	20	#12	4
5	#12	BLDG OUTLETS	20	1	0.5				1.0	1	20	#12	6
7		SPACE	-	1	-				1.0	1	20	#12	8
9		SPACE	-	1	-				1	20		10	
11		SPACE	-	1	-				1	20		12	
13		SPACE	-	1	-				-	-		14	
15		SPACE	-	1	-				-	-		16	
17		SPACE	-	1	-				-	-		18	

NOTE: USE THERMAL-MAGNETIC CIRCUIT BREAKERS FOR ALL MOTORS



TYPICAL LIFT STATION ELECTRICAL SERVICE
 N.T.S.

- LEGEND**
- LIGHTNING ARRESTOR
 - PHASE MONITOR
 - DUPLEX CONTROLLER
 - FLOAT TEST
 - ALARM LIGHT



LIFT STATION CONTROL PANEL
 ONE LINE POWER DIAGRAM AND
 PROCESS AND INSTRUMENTATION DIAGRAM (P&ID)

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#	DESCRIPTION	DATE
1	Revised Service Voltage, Added Transformer, Added Lift Station Controller Diagram & Panel Schedules	3/2/2019
2	Revised Panel Schedules	6/11/2019

SEAL:

TANGIPAHOA REGIONAL SOLID WASTE FACILITY
 140909
 12/21/2017
 2936
 DATE: 12/21/2017
 DRAWN BY: BP
 CHECKED BY: DPPD

SHEET TITLE:
 Panel Schedules & Lift Station Controller
 DRAWING NUMBER:
E102
 SHEET No: **E102** of 1