

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	or	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

PANEL:		MDF COMPRESSOR SHED		VOLTAGE:		277/480V 3 ϕ 200AMP, 200A M/B	
LOCATION:		GLECO		ENCLOSURE:		FLUSH MOUNTED W/ EQUIPMENT GND BAR BQ D TYPE GQ LOAD CENTER	
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (kVA)	AD	BQ	CQ
1							
3	#6	30 kVA TRANSFORMER	55 3				
5							
7							
4	#4	LIFT STATION CONTROLLER	60 3				
11							
13		SPACE	- 1 -				
15		SPACE	- 1 -				
17		SPACE	- 1 -				

PANEL SCHEDULE

PANEL:		F-1 COMPRESSOR SHED		VOLTAGE:		120/208V 3 ϕ 125AMP, MLO	
LOCATION:		MDF		ENCLOSURE:		FLUSH MOUNTED W/ EQUIPMENT GND BAR BQ D TYPE GQ LOAD CENTER	
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (kVA)	AD	BQ	CQ
1	#12	REFRIGERATED DRYER	15 1	1.2			
3	#12	LIGHTING	20 1	0.2			
5	#12	BLDG OUTLETS	20 1	0.5			
7		SPACE	20 1	-			
9		SPACE	- - -	-			
11		SPACE	- - -	-			
13		SPACE	- - -	-			
15		SPACE	- - -	-			
17		SPACE	- - -	-			

FLASHING ALARM LIGHT

NEMA 3R CONTROL BOX.

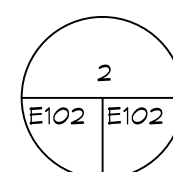
EYS FITTING, FILL WITH SILICONE.

2" CONTROL WIRING CONDUIT TO LIFT STATION. SCH 80 PVC ABOVE GRADE

2" POWER CONDUIT TO LIFT STATION. SCH 80 PVC ABOVE GRADE

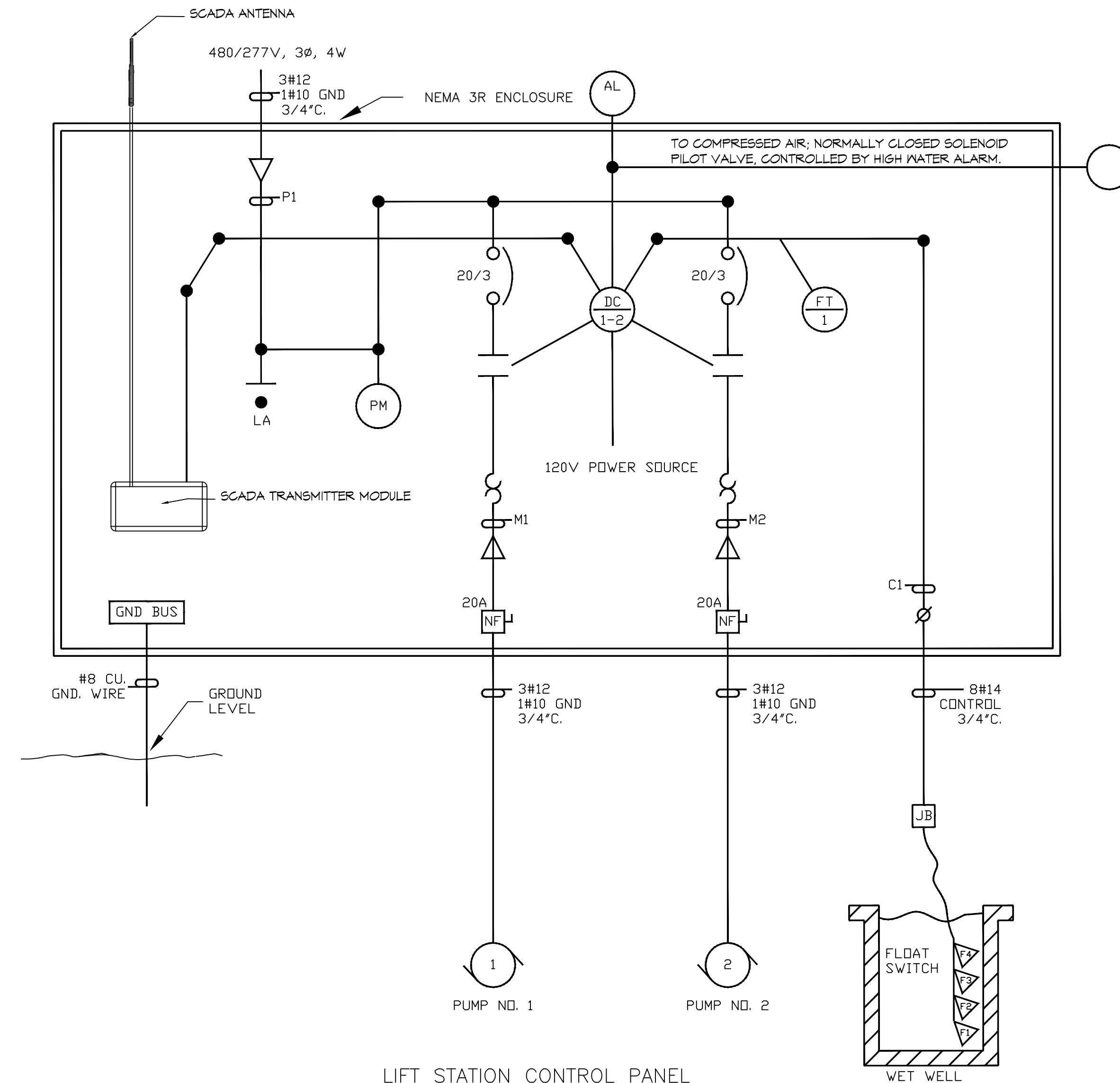
TYPICAL LIFT STATION ELECTRICAL SERVICE

N.T.S.

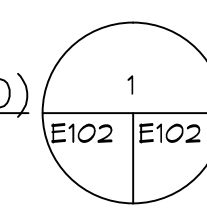


LEGEND

- LIGHTNING ARRESTOR
- PHASE MONITOR
- DUPLEX CONTROLLER
- FLODAT TEST
- ALARM LIGHT



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



DAMMON ENGINEERING, INC.
 LOUISIANA & MISSISSIPPI
 www.dammonengineering.com
 info@dammonengineering.com
 PH: 985.645.5832
 Chief Engineer: Brian Mistich, PE
 554 Old Spanish Trail
 Slidell, LA 70458

#	DESCRIPTION	DATE
1	Revised Service Voltage, Added Transformer, Added Lift Station Controller Diagram & Panel Schedules	3/2/2018
2	Revised Panel Schedules	6/11/2018

SEAL:

TANGIPAHOA REGIONAL SOLID WASTE FACILITY
 PANEL SCHEDULES 4 LIFT STATION CONTROLLER
 JOB No: 2596
 DATE: 12/21/2017
 DRAWN BY: BP
 CHECKED BY: DPPD

SHEET TITLE:
 Panel Schedules 4 Lift Station Controller
 DRAWING NUMBER:
E102
 SHEET No: 1 of 1