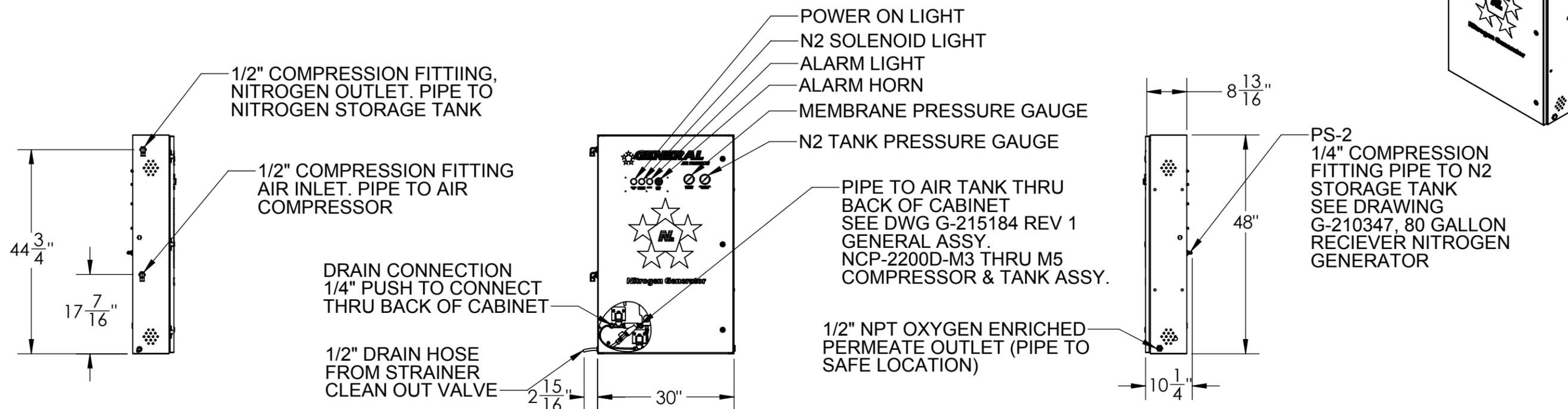


		REVISIONS		
ECO	REV	DESCRIPTION	DATE	APPROVED
	0	RELEASE OF DRAWING	06/26/15	BLE
	1	MOVED SOLENOID TO INSIDE OF CAB.	03/23/16	BLE
0071	2	ADDED STRAINER & CLEAN OUT VALVE	06/17/16	BLE
	3	CHANGE CABINET DOOR LOGO	04/05/16	BLE



**NOTES:**

- CONNECT PS-2 PRESSURE SWITCH SENSING LINE ON COMPRESSOR ASSEMBLY TO NITROGEN STORAGE TANK USING 1/4" REFRIGERATION TUBING. (TUBING NOT SUPPLIED)
- INSTALL IN WELL VENTILATED AREA. IF A LEAK OCCURS, BUILD UP OF NITROGEN CAN CAUSE ASPHYXIATION. OXYGEN ENRICHED PERMEATE MUST BE VENTED TO PREVENT FIRE/EXPLOSION HAZARD. SEE INSTRUCTION MANUAL.
- BOLT TO FIRM LEVEL BASE (THIS ALSO PROVIDES ELECTROSTATIC GROUNDING)
- USE BACKUP WRENCH WHEN MAKING CONNECTIONS OR PIPING DAMAGE MAY OCCUR.
- ALL CONNECTING PIPING MUST BE INDEPENDENTLY SUPPORTED AND NOT IMPART STRESS TO COMPRESSOR PACKAGE.
- CHANGE FILTERS ONCE A YEAR OR SOONER IF INDICATED BY DIFFERENTIAL PRESSURE GAUGES.
- TO MEASURE N2 LEVEL DISCONNECT QUICK CONNCTET HOSE FITTING AND TURN ON ANALYZER. THE ANALYZER WILL AUTOMATICALLY CALIBRATE TO ATMOSPHERIC AIR. THE ANALYZER SHOULD READ A STATE OF 79.1%. RE-INSERT QUICK CONNECT FITTING AND OPEN THE ANALYZER SHUT OFF VALVE. CLOSE THE VALVE AND TURN OFF ANALYZER AFTER USE. FAILURE TO CLOSE THE VALVE MAY RESULT IN HAZARDOUS CONDITIONS WITHIN THE CABINET (BUILD UP OF NITROGEN).
- REPLACE ANALYZER BATTERIES ONCE A YEAR, OR SOONER IF REQUIRED.
- WIRE GENERATOR TO COMPRESSOR MOTOR, AND PS-1 PRESSURE SWITCH. MOTOR WIRES CONNECT TO CONTACTOR WITH OVERLOAD. SEE WIRING DIAGRAM.
- ALL WIRING SHOULD BE TO NEC AND APPLICABLE LOCAL STANDARDS.

N:\Work\Engineering\Drawing File\Nitrogen Generators\Non-Certified Versions\Generator Cabinets\M2, M3, M4\G-215185 REV 3 GENERAL ASSEMBLY M2, M3, M4 NITROGEN GENERATOR CABINET

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:  
 FRACTIONS ±1" .XX± ANGLES ±X°  
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		TITLE:	
APPROVALS	DATE	GENERAL ASSEMBLY M2 THRU M4 NITROGEN GENERATOR CABINET	
DRAWN GWS	06/26/15	DWG. NO.	G-215185
CHECKED BLE	06/26/15	REV	3
SCALE NONE	SIZE B		
SHEET 1 OF 1			



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
B5	1	REMOVED CHECK VALVE	12/10/2010	BLE
D4	2	ADDED SLOT SPECIFICATIONS	12/10/2010	BLE
C4	3	CHANGED PRESSURE GAUGE ORIENTATION	11/17/2011	BLE
	4	ADDED 1/4" BALL VALVES	12-21-11	BLE

CL OF 1/4" COMPRESSION FITTING  
(PS-2 CONNECTION FROM COMPRESSOR SKID)

PRESSURE GAUGE

ASME SAFETY RELIEF VALVE

9.93"

CL OF 2" FPT PLUG  
INLET FROM N2 GENERATOR  
OUTLET

CL 1/2" FPT  
INLET FROM N2 GENERATOR  
OUTLET

1/4" FPT VENT

6.00"

45° TYP

9/16" X 7/8" SLOTS LOCATED  
90° APART ON A 17" DIA.  
BOLT CIRCLE TYP 4 PLACES

20.00" O.D.

3/4" FPT CUSTOMER CONNECTION

NOTES:

- 1) BOLT TANK TO A FIRM LEVEL BASE.
- 2) SUPPORT ALL PIPING TO AND FROM TANK INDEPENDENTLY.
- 3) MINIMUM PIPE SIZE FROM N2 GENERATOR TANK IS 1/2".
- 4) WEIGHT: 198 LBS.

NAME PLATE

63.00"

55.18"

49.18"

80 GALLON AIR RECEIVER

CL OF 2" FPT CONNECTION

13.18"

CL OF 1/4" FPT DRAIN CONNECTION

0.62"

2.75" REF

18.06"

FACE OF 1/4" FPT DRAIN CONNECTION

NITROGEN GENERATORS\NON-CERTIFIED VERSIONS\NGP 1750, 2200\NGP 2200\G-210347 REV 4 GENERAL ARRANGEMENT 80 GALLON TANK.DWG

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES  
±1/2 .XX ± ±

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APPROVALS		DATE	TITLE
		11-03-10	
DRAWN		DATE	GENERAL ARRANGEMENT V8, 80 GALLON N2 RECEIVER NITROGEN GENERATOR
EJR		11-03-10	
CHECKED		DATE	DWG. NO. G-210347
BLE		11-03-10	
SCALE		SIZE	REV
1 OF 1		D	4

