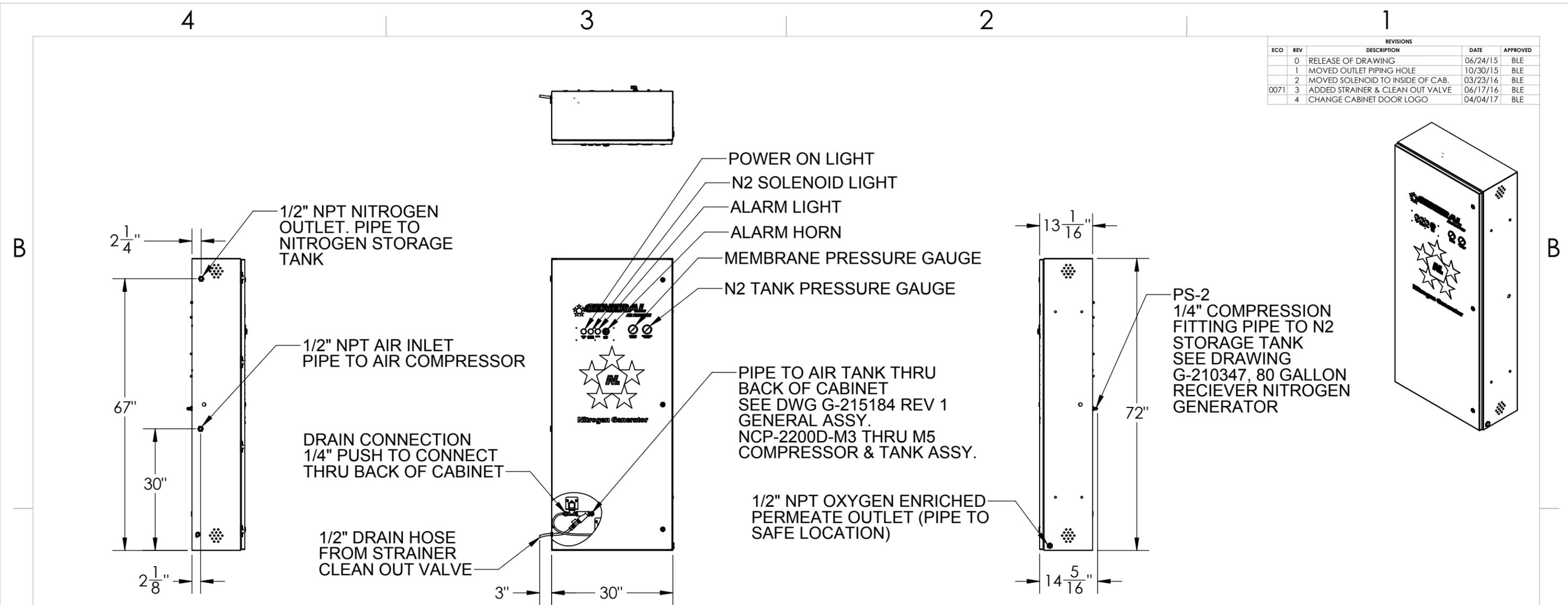


REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	0	RELEASE OF DRAWING	06/24/15	BLE
	1	MOVED OUTLET PIPING HOLE	10/30/15	BLE
	2	MOVED SOLENOID TO INSIDE OF CAB.	03/23/16	BLE
0071	3	ADDED STRAINER & CLEAN OUT VALVE	06/17/16	BLE
	4	CHANGE CABINET DOOR LOGO	04/04/17	BLE



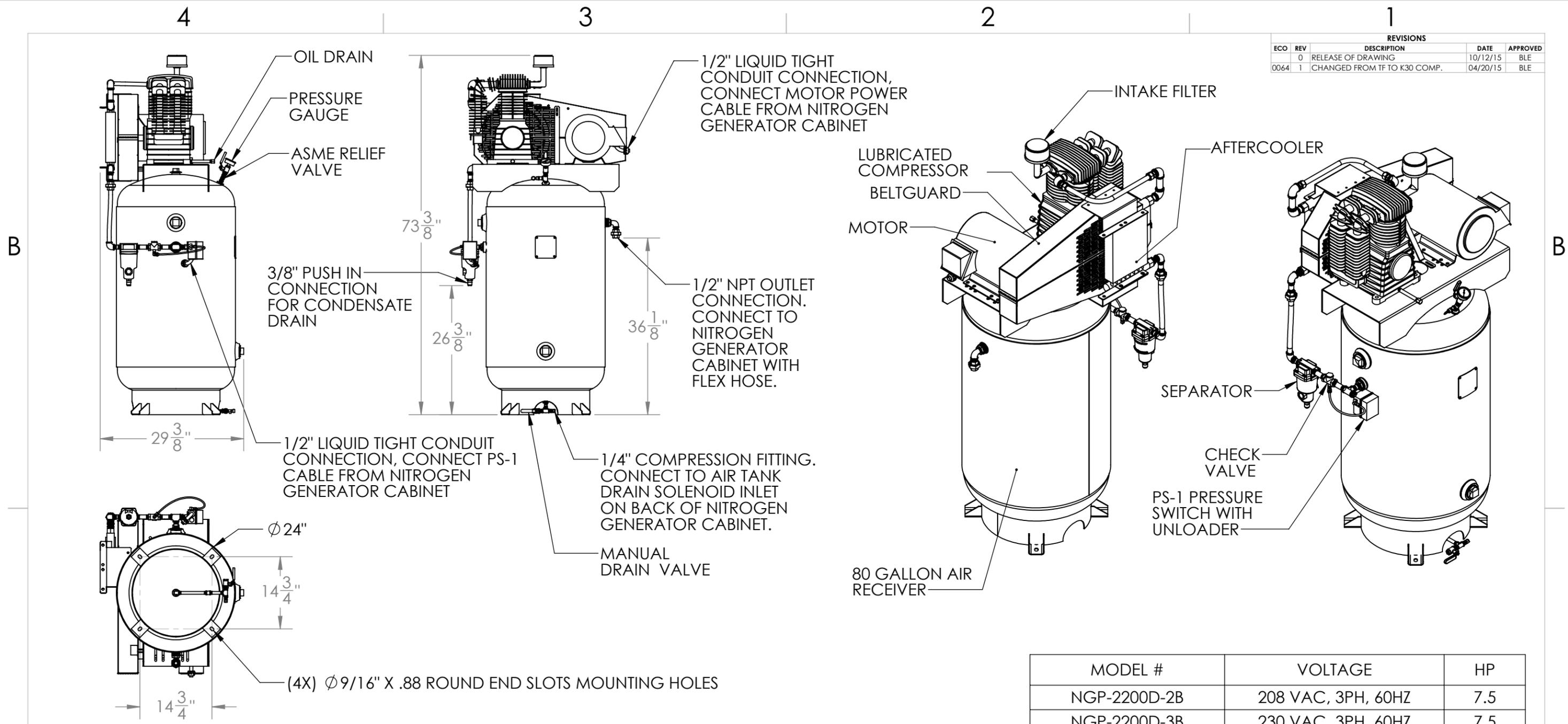
NOTES:

- CONNECT PS-2 PRESSURE SWITCH SENSING LINE ON COMPRESSOR ASEMBLY 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.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:
 FRACTIONS ±1" .XX± ANGLES ±X°
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APPROVALS	DATE
DRAWN WLW	10/30/15
CHECKED BLE	10/30/15
SCALE 1:4	SIZE B
SHEET 1 OF 1	
TITLE: GENERAL ASSEMBLY M5 NITROGEN GENERATOR CABINET	
DWG. NO. G-215195	REV 4

REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	0	RELEASE OF DRAWING	10/12/15	BLE
0064	1	CHANGED FROM TF TO K30 COMP.	04/20/15	BLE



MODEL #	VOLTAGE	HP
NGP-2200D-2B	208 VAC, 3PH, 60HZ	7.5
NGP-2200D-3B	230 VAC, 3PH, 60HZ	7.5
NGP-2200D-4B	460 VAC, 3PH, 60HZ	7.5

NOTES:

- DO NOT ALLOW FUMES TO ENTER COMPRESSOR INTAKE. (SEE INSTRUCTION MANUAL)
- BOLT TO FIRM LEVEL BASE.
- 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.
- WIRE COMPRESSOR & PS-1PRESSURE SWITCH TO NITROGEN GENERATOR CABINET. THE MOTOR WIRES CONNECT TO CONTACTOR WITH OVERLOAD. SEE WIRING DIAGRAM.
- ALL WIRING SHOULD BE TO NEC AND APPLICABLE LOCAL STANDARDS.
- DISCONNECT SWITCH SHOULD BE INSTALLED FOR COMPRESSOR.
- PIPE CONDENSATE TO APPROPRIATE DISPOSAL LOCATION.

N:\Work\Engineering\Drawing File\Nitrogen Generators\Non-Certified Versions\NGP 1750, 2200\NGP 2200\DRAWINGS\
G-215326 REV 1 GA, NGP-2200D 7.5 HP Compressor Package

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:
FRACTIONS $\pm 1"$ DECIMALS $.XX \pm X$ ANGLES $\pm X^\circ$

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GENERAL
AIR PRODUCTS

APPROVALS	DATE	TITLE:
DRAWN WLW	10/12/15	NITROGEN GENERATOR GENERAL ARRANGEMENT MODEL NCP-2200D 7.5 HP
CHECKED BLE	10/12/15	
SCALE NONE	SIZE	
SHEET 1 OF 1	B	
DWG. NO. G-215326		REV 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

CL OF 1/4" FPT DRAIN CONNECTION

13.18"

0.62"

2.75" REF

18.06"

FACE OF 1/4" FPT DRAIN CONNECTION

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

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PRODUCTS, INCORPORATED.

APPROVALS		DATE	TITLE
		11-03-10	GENERAL ARRANGEMENT
DRAWN		DATE	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