



GENERAL NOTES:
1. SYSTEM AND INSTALLATION SHALL COMPLY WITH NFPA 58. EQUIPMENT LOCATIONS SHALL BE IN COMPLIANCE WITH ALL REQUIRED DISTANCES AND CLEARANCES PER NFPA 58.

PIPING SYSTEMS:
1. ABOVE GROUND:
A.) PROPANE PIPING SHALL BE SCHEDULE 40 BLACK STEEL, A53, A106, OR API 5L, GRADE A OR B, OF WELDED CONSTRUCTION.
B.) WELDED FITTINGS AND FLANGES SHALL BE IN ACCORDANCE WITH ASTM STANDARDS A-105 OR A-181.
C.) THREADED PIPE AND FITTINGS SHALL BE SCHEDULE 80 BLACK STEEL, A53, A106, OR API 5L, 2000 LB. FORGED STEEL FITTINGS.

2. BELOW GRADE:
A.) PROPANE PIPING SHALL BE POLYETHYLENE PIPE (UAC 2000), PER ASTM D1248, CLASS B, CATEGORY 5.
B.) FITTINGS SHALL BE SOCKET FUSION TYPE.

CHARGING STATION:
SYSTEM SHALL INCLUDE A NITROGEN CYLINDER RACK, NITROGEN REGULATOR CHARGING VALVE, LATCHING VALVE, AND A LIMITING FEED ORIFICE. THE ASSEMBLY SHALL BE PRE-PIPED AND MOUNTED ON THE CYLINDER RACK. THE EMERGENCY SHUTDOWN STATION SHALL INCLUDE A SIGN POST, SIGN, AND PNEUMATIC SHUTDOWN VALVE. LOCATION OF STATION SHALL BE NO LESS THAN 25 FT. FROM THE LIQUID TRANSFER POINT.

KEYED NOTES:
1. TANK VALVE SHALL BE LOCATED A MINIMUM 15' CLEAR FROM VAPORIZER.
2. 6" AP THROUGH EXTERIOR WALL INTO BUILDING. CONNECT TO EXISTING 6" NG PIPING. INSTALL PLUG-TYPE SHUTOFF VALVE ON INTERIOR, WHERE ACCESSIBLE.

| no. | date | by | ckd | description |
|-----|----------|-----|-----|-------------------------|
| 0 | 09/21/16 | RLP | GMS | ISSUED FOR CONSTRUCTION |
| 1 | 10/20/16 | RLP | GMS | ADDENDUM NO. 01 |

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

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CIRRUS AIRCRAFT
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AIR-PROPANE SYSTEM

| | | | |
|---------|--------|----------|---|
| project | 94613 | contract | |
| drawing | M-1 | rev. | 1 |
| sheet | 1 | of | 1 |
| file | M1.dwg | | |