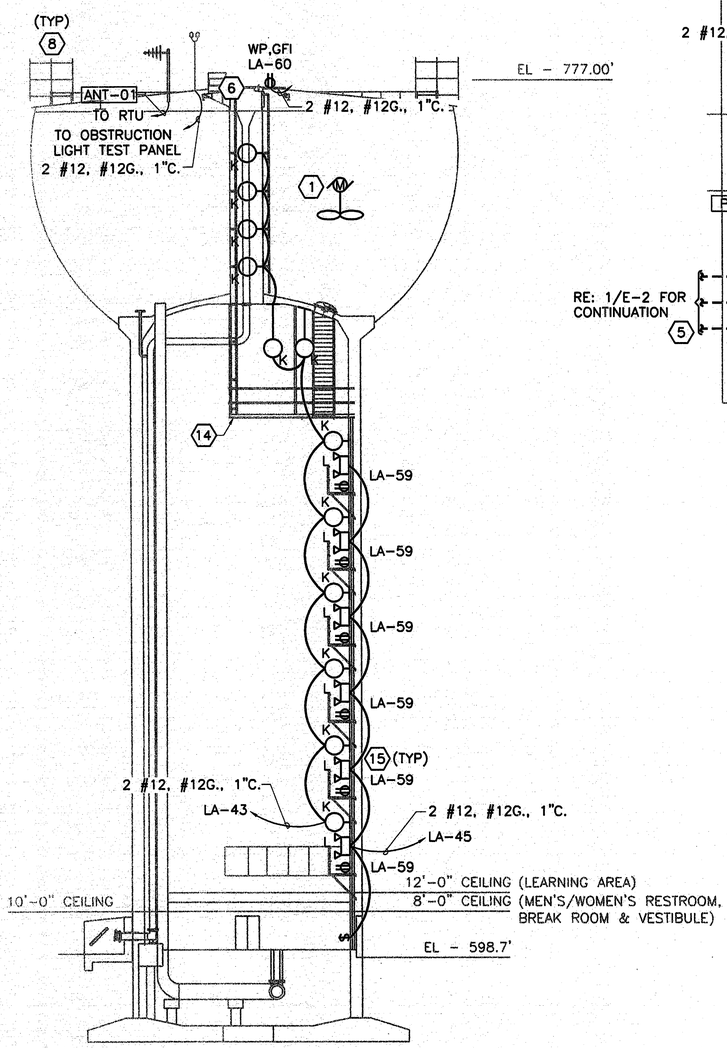
GENERAL NOTES:

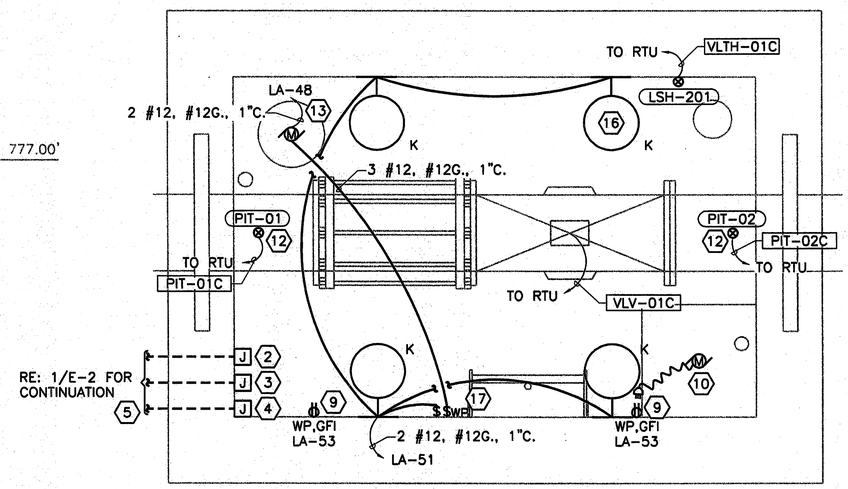
1. CONDUITS ROUTED TO JUNCTION BOXES IN THE VAULT SHALL TERMINATE THE TOP HALF OF THE JUNCTION BOX. CONDUIT DRAINS SHALL TERMINATE THE BOTTOM OF THE JUNCTION BOX.
2. CONDUITS IN THE VAULT SHALL BE RIGID ALUMINUM.
3. CONTRACTOR SHALL PROVIDE LIGHTNING PROTECTION IN ACCORDANCE WITH LP1 AND TURBINE MANUFACTURER RECOMMENDATIONS.
4. CONDUITS ROUTED ON TOP OF TANK BOWL SHALL BE COORDINATED WITH TANK BOWL FABRICATOR SUCH THAT FABRICATOR PROVIDES STUDS WELDED TO TANK BOWL ALLOWING CHANNEL UNISTRUT TO BE SECURED FOR CONDUIT SUPPORTS.

NOTES BY SYMBOL "⬡"

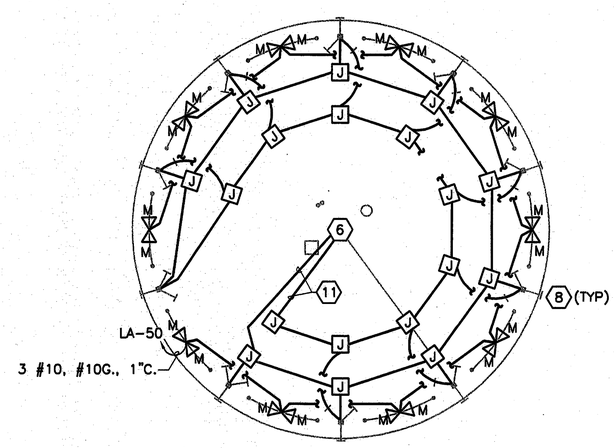
1. PROVIDE 2 #12, #12G., ¾"C. TO TANK MIXER SYSTEM. CONTRACTOR SHALL COORDINATE CABLE ROUTING WITH TANK MANUFACTURER AND TANK MIXER MANUFACTURER.
2. PROVIDE JUNCTION BOX FOR ANALOG SIGNALS. PROVIDE CONDUIT DRAIN ON ENCLOSURE.
3. PROVIDE JUNCTION BOX FOR DIGITAL SIGNALS. PROVIDE CONDUIT DRAIN ON ENCLOSURE.
4. PROVIDE JUNCTION BOX FOR 120V POWER. PROVIDE CONDUIT DRAIN ON ENCLOSURE.
5. CONDUITS ENTERING/LEAVING VAULT SHALL BE SEALED WITH LINK SEAL.
6. COORDINATE CONDUIT ACCESS THROUGH THE MANWAY WITH BOWL MANUFACTURER.
7. CONTRACTOR SHALL PROVIDE PANEL TP AND POWER METER, RE: 1/E-5.
8. CONTRACTOR SHALL INSTALL EQUIPMENT FROM TURBINE MANUFACTURER, RE: E-5 AND E-6.
9. RECEPTACLES SHALL BE MOUNTED 2'-0" AFF.
10. PROVIDE SUMP PUMP WITH INTEGRAL FLOAT.
11. CONTRACTOR SHALL SIZE CONDUIT BASED ON NATIONAL ELECTRICAL CODE. MULTIPLE CONDUITS IS SUGGESTED.
12. PRESSURE TRANSMITTER SHALL INCLUDE 3-WAY BLOCK AND BLEED VALVE AND ISOLATION VALVE.
13. VENTILATION FAN SHALL BE MOUNTED TO THE TOP OF VALVE VAULT. ROUTE CONDUIT AND CONDUCTORS PER MANUFACTURERS RECOMMENDATION. CONDUIT SHALL NOT BE ROUTED ON VALVE VAULT TOP.
14. CONDUITS REQUIRED THROUGH THE ACCESS TUBE (TO THE TOP OF THE ELEVATED STORAGE TANK) SHALL BE ROUTED AND SUPPORTED ON THE WALKWAY.
15. POWER TO EMERGENCY LIGHTING SHALL BE ROUTED THROUGH THE RECEPTACLE AS A MEANS OF DISCONNECT.
16. LIGHTS IN VALVE VAULT SHALL BE MOUNTED 6'-0" AFF.
17. SWITCHES SHALL BE MOUNTED NEAR TOP OF LADDER NEAR HATCH.
18. MOUNT FLOAT TO ACTIVATE AT 6" AFF.



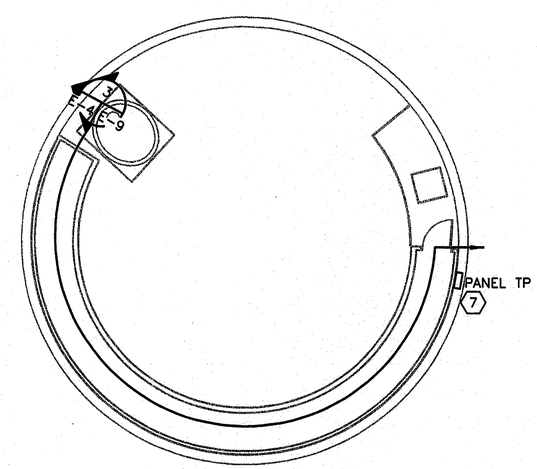
1 TANK ELEVATION
1/16"=1'=0"



NORTH 2 VALVE VAULT
3/4"=1'-0"



NORTH 3 ROOF LIGHTING & TURBINE PLAN
1/16"=1'=0"



NORTH 4 PARTIAL RING BALCONY & RAIL DETAIL
1/8"=1'=0"

0 4' 8' 16'
1/8"=1'-0"
0 8' 16' 32'
1/16"=1'-0"
0 6" 1' 2'
3/4"=1'-0

Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144

STATE OF TEXAS
JOHN W.P. MAYNARD
95784
LICENSED
PROFESSIONAL ENGINEER
10/20/11

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TOWN OF ADDISON, TEXAS
SURVEYOR 1.5 MG EST
ELECTRICAL
TANK ELEVATION & FLOW CONTROL VALVE VAULT

NO.	ISSUE	BY	DATE

F&N JOB NO. ADD08459
DATE 01/18/11
DESIGNED JWM
DRAWN JAF
REVISED
CHECKED JNH
FILE NAME EL-ADD-PL-ELEV.dwg

VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET E-4
SEQ.

ACAD Rel 18.0s (LMS Tech) User: ppm
[ADD08459][DTNSRV2] N:\elec\EL-ADD-PL-ELEV.dwg LAYOUT: EL-ADD-PL-ELEV
Jan 18, 2011 - 4:18pm LTS: 1 PSLTS: 1 TWIST: CLUALI.FREESE.COM
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