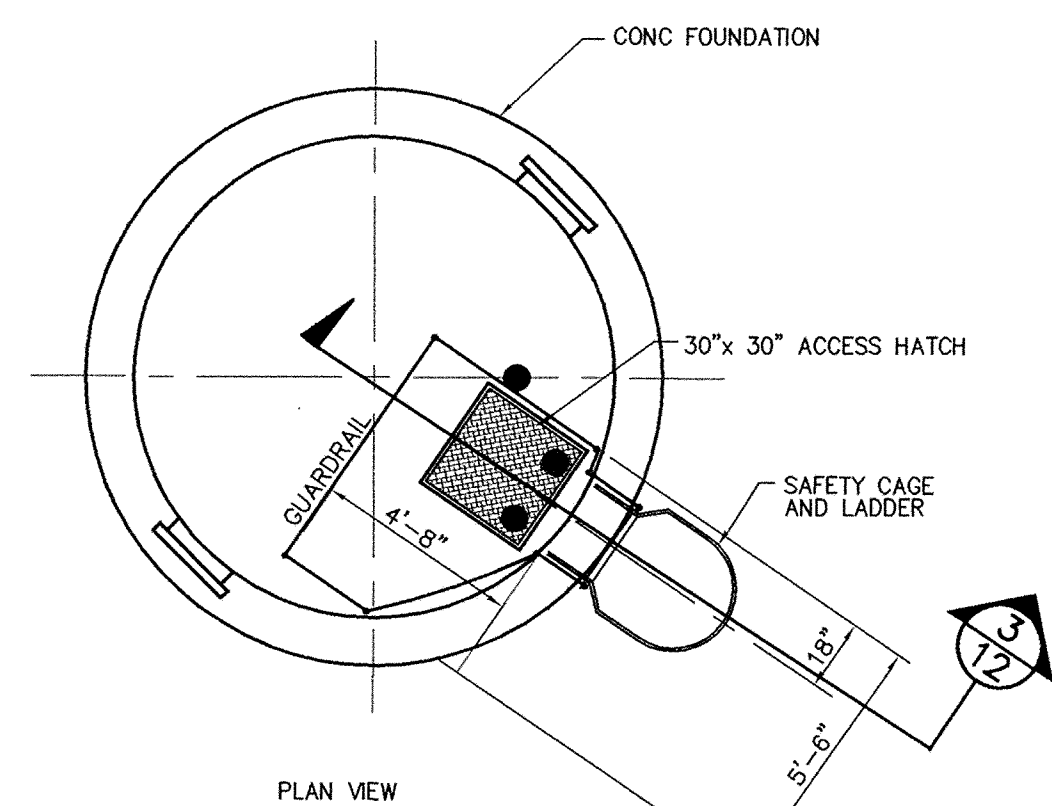
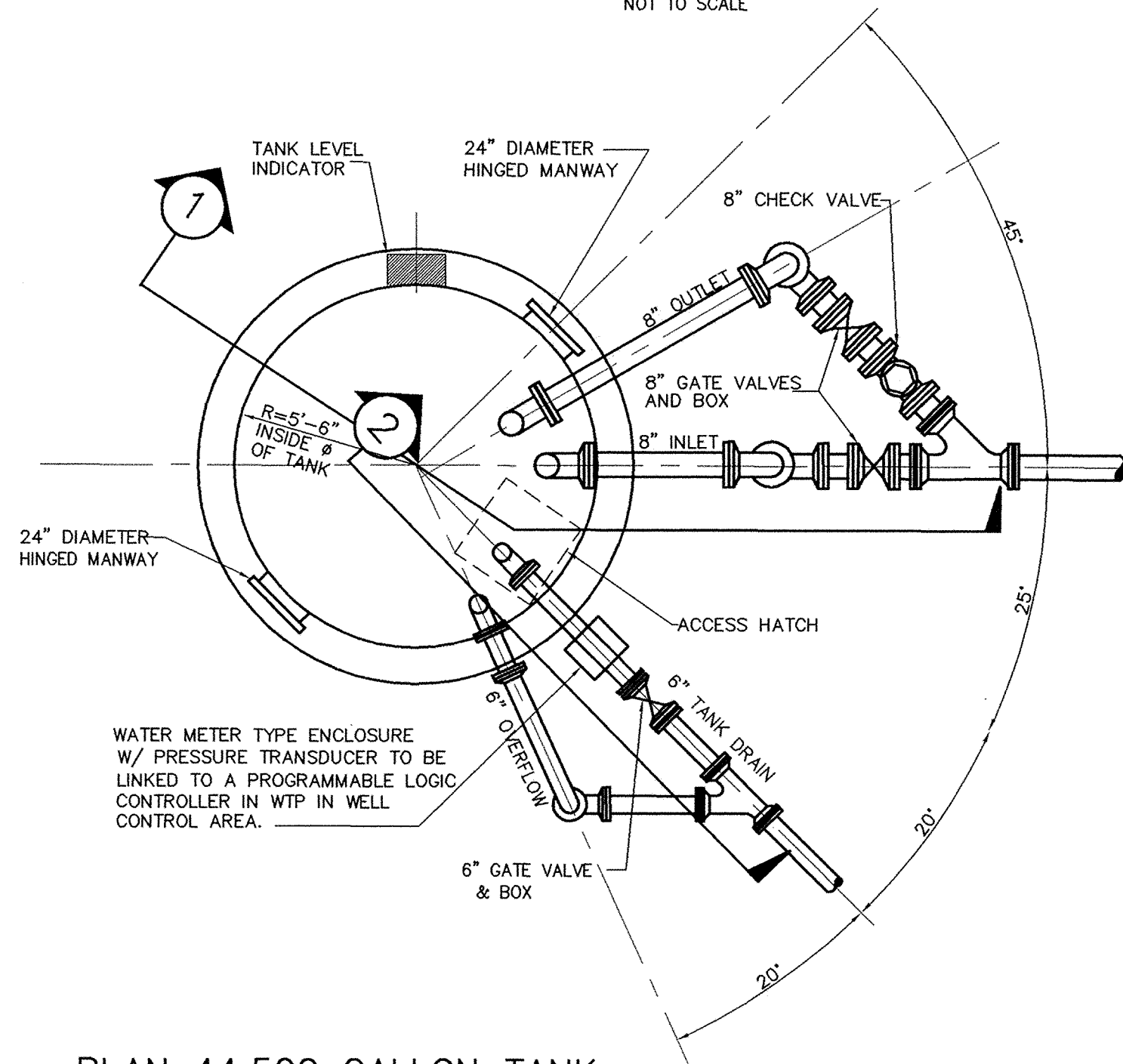


③ SECTION - ROOF ACCESS HATCH
NOT TO SCALE



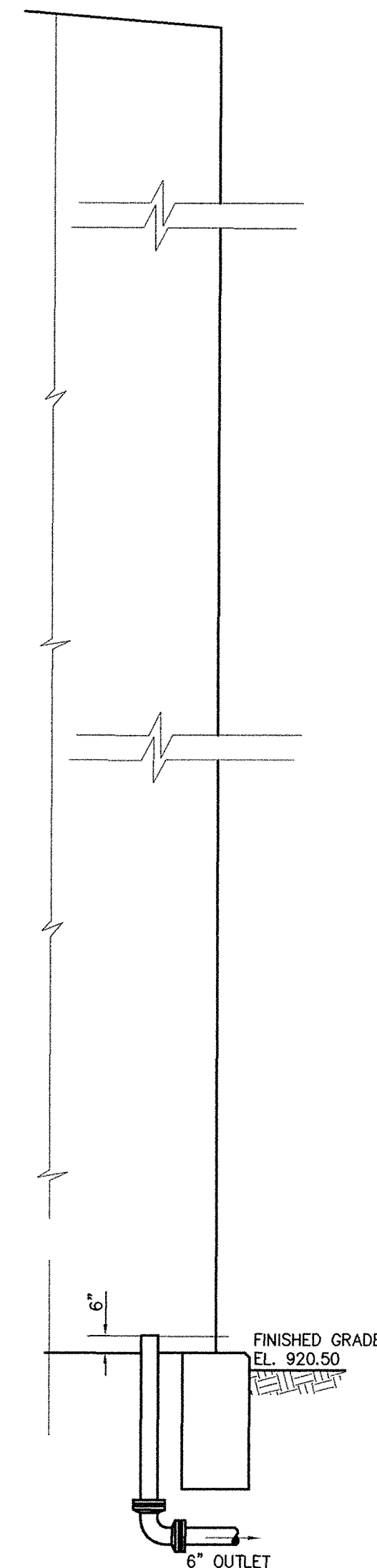
ROOF ACCESS HATCH

NOT TO SCALE

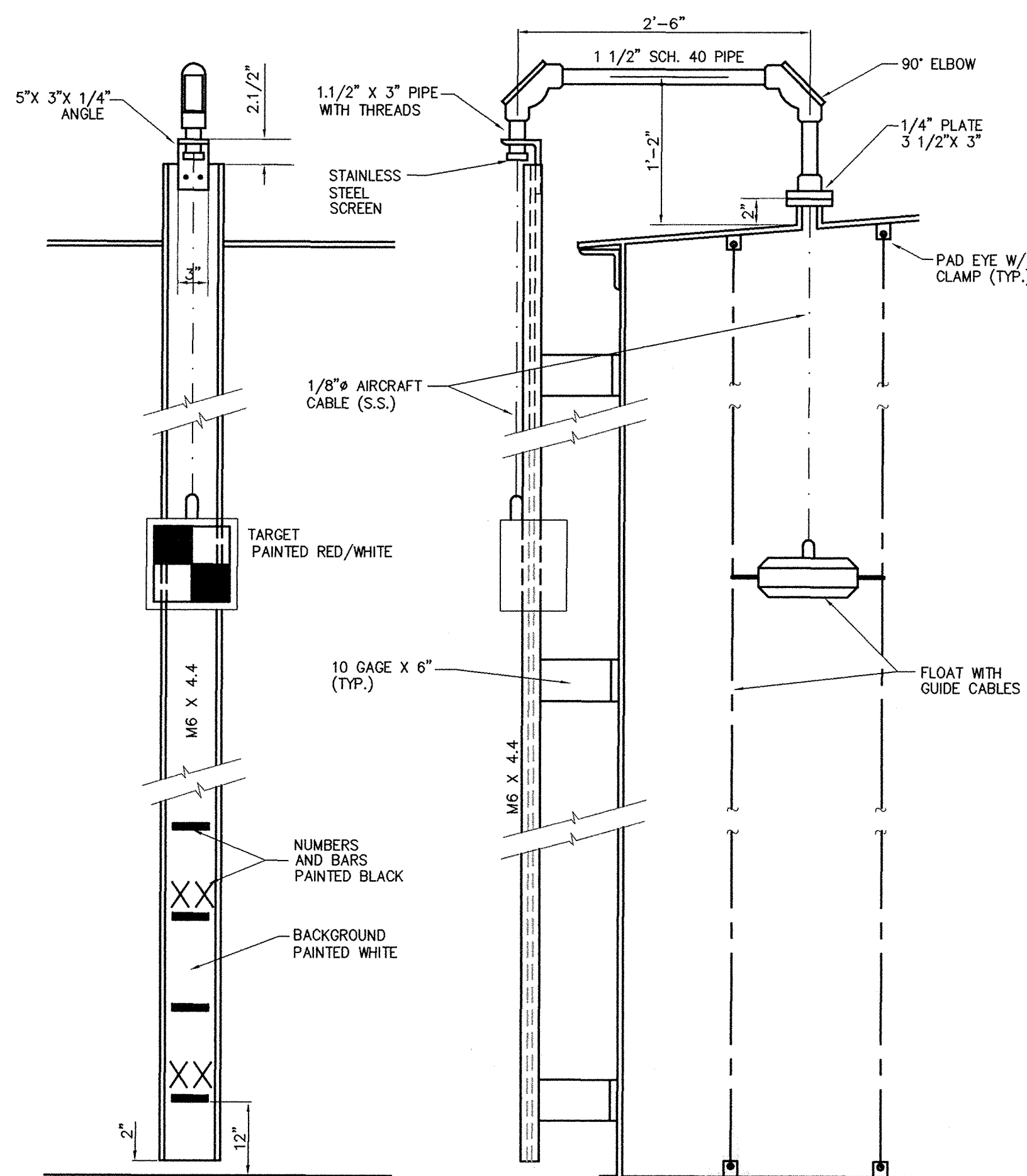


PLAN 44,500 GALLON TANK

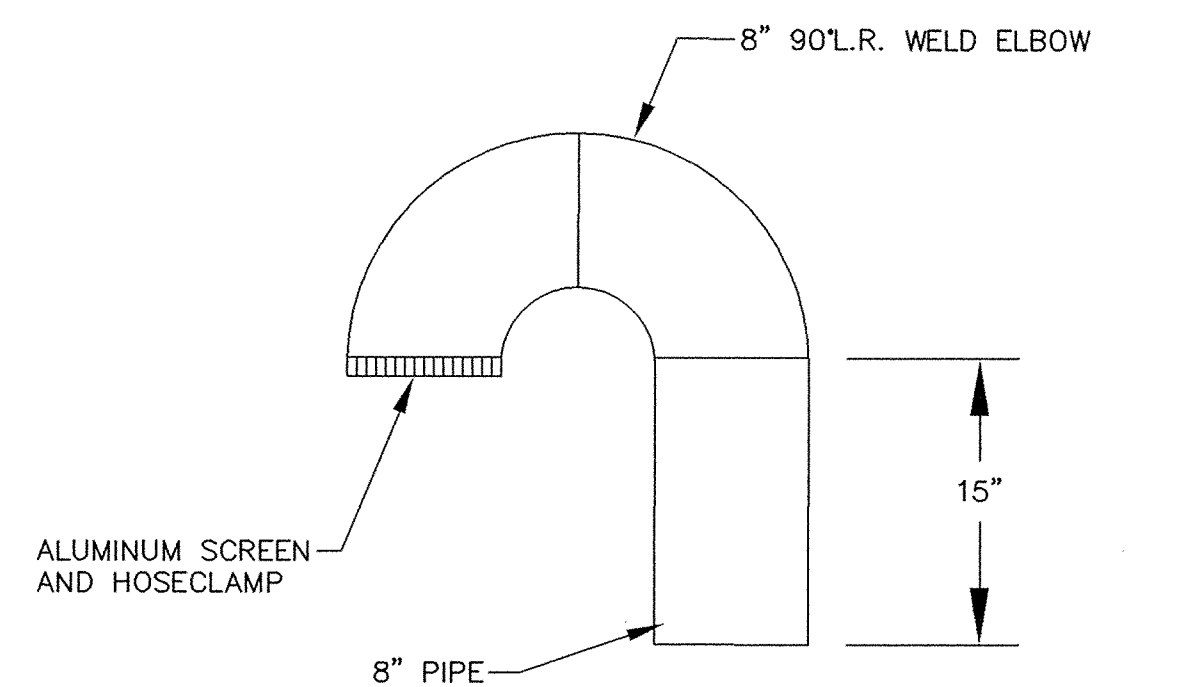
SCALE 1/4" = 1'-0"



③ SECTION
SCALE: 1/4" = 1'-0"

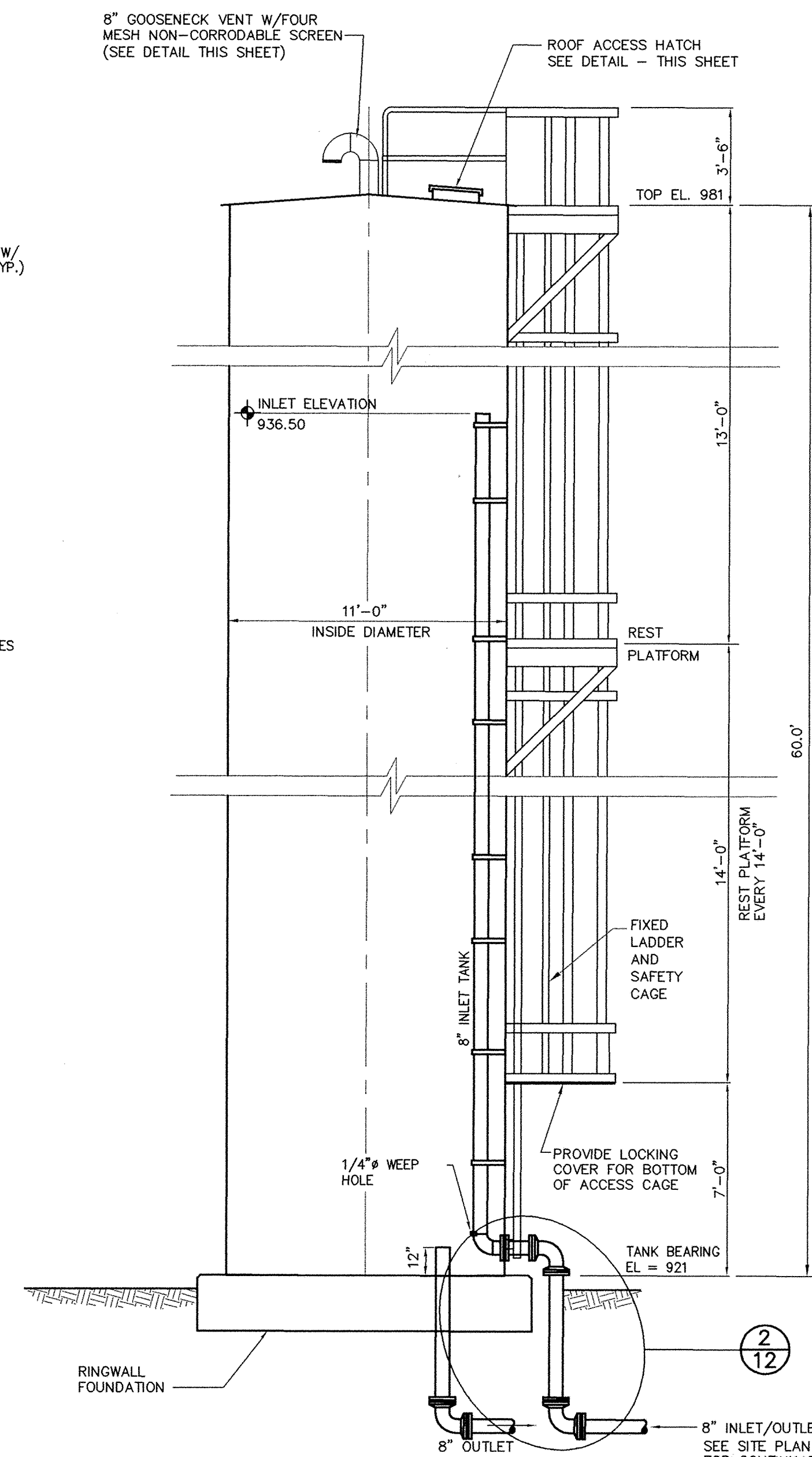


DETAIL - TANK LEVEL INDICATOR
NOT TO SCALE

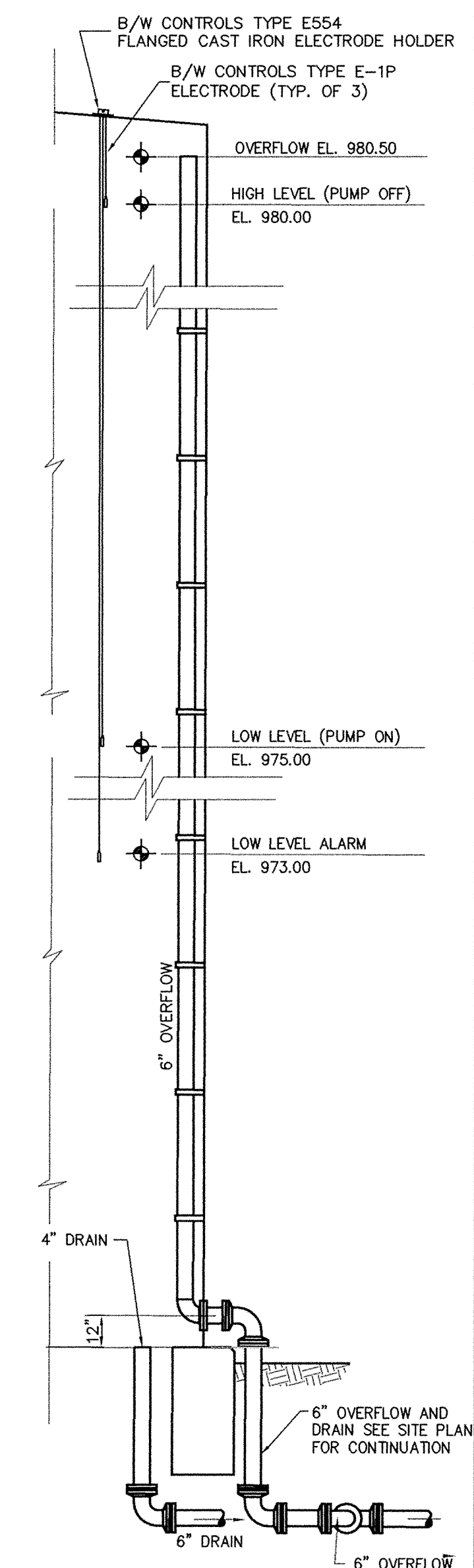


8" GOOSENECK VENT

NOT TO SCALE



① SECTION
SCALE: 1/4" = 1'-0"

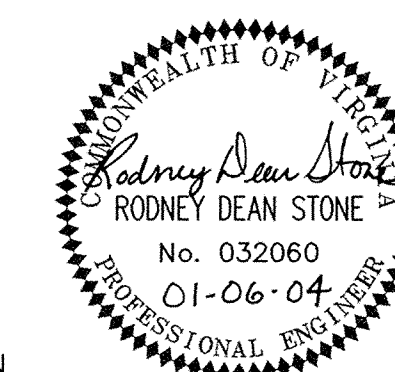


② SECTION
SCALE: 1/4" = 1'-0"

NOTES AND SPECIFICATIONS

- 1) THE WATER STORAGE TANK SHALL BE CONSTRUCTED IN ACCORDANCE WITH AWWA D100 STANDARDS.
- 2) CONTACT ENGINEER IMMEDIATELY IF THERE IS A DISCREPANCY BETWEEN PLANS AND MANUFACTURER'S SPECIFICATIONS.
- 3) SHOP DRAWINGS OF TANK AND ACCESSORIES SHALL BE SUBMITTED TO ENGINEER PRIOR TO CONSTRUCTION.
- 4) ENGINEER SHALL BE NOTIFIED OF THE EXPECTED TIME OF CONSTRUCTION OF THE WATER STORAGE TANK.
- 5) AFTER CONSTRUCTION OF WATER STORAGE TANK AND PRIOR TO PAINTING, TANK SHALL BE FILLED AND TESTED FOR LEAKS. IF LEAK IS DETECTED, CORRECTIVE MEASURES SHALL BE MADE AS NECESSARY.
- 6) THE WATER STORAGE TANK SHALL BE PAINTED IN ACCORDANCE WITH THE MOST CURRENT AVAILABLE AWWA STANDARDS. AT A MINIMUM INTERIOR COATING SHALL BE A 2-COAT SYSTEM OF HIGH BUILD EPOXY WITH A MINIMUM 8-10 MIL DRY FILM THICKNESS; EXTERIOR COATING SHALL BE A 2-COAT SYSTEM OF AN EPOXY/POLYURETHANE WITH A MINIMUM OF 6.5-9.0 MIL DRY FILM THICKNESS. ALL PAINT SHALL MEET NSF STANDARD 61.
- 7) THE WATER STORAGE TANK SHALL BE CLEANED TO REMOVE ALL DIRT AND LOOSE MATERIALS PRIOR TO DISINFECTION. TANK SHALL BE CLEANED AND RINSED WITH POTABLE WATER SUPPLIED BY THE OWNER. ALL EQUIPMENT INCLUDING BROOMS, BRUSHES, SPRAY EQUIPMENT, AND WORKMEN'S BOOTS SHALL BE DISINFECTED BEFORE THEY ARE USED TO CLEAN THE STORAGE FACILITIES.
- 8) POTABLE WATER CONTAINING A FREE CHLORINE RESIDUAL OF 50 PPM SHALL BE PLACED IN THE TANK TO SUCH A DEPTH THAT WHEN THE TANK IS FILLED, THE RESULTING CHLORINE CONCENTRATION IN THE WATER WILL BE AT LEAST 2 PPM. THE WATER CONTAINING 50 MG/L OF CHLORINE SHALL STAND IN THE TANK FOR 24 HOURS. THE TANK SHALL THEN BE FILLED WITH POTABLE WATER AND ALLOWED TO STAND FOR 24 ADDITIONAL HOURS. AT THE END OF THE SECOND 24 HOUR PERIOD, THE CHLORINE RESIDUAL SHALL BE AT LEAST 2 MG/L. AFTER ANALYSIS OF THE WATER FOR SATISFACTORY BACTERIOLOGICAL QUALITY, THE TANK MAY BE PLACED IN SERVICE WITHOUT DRAINING THE WATER USED TO DISINFECT IT.

- 9) TWO WATER SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED AT LEAST 24 HOURS APART AND ANALYZED BY A CERTIFIED LABORATORY. THE RESULTS OF THESE SAMPLES MUST INDICATE NO COLIFORM CONTAMINATION BEFORE THE TANK CAN BE USED. IF CONTAMINATION IS INDICATED, THEN THE DISINFECTION PROCEDURE MUST BE REPEATED.
- 10) STORAGE TANK FOUNDATION IS DESIGNED WITH MINIMUM ASSUMED SOIL BEARING PRESSURE OF 3,000 P.S.F. IF SOIL BORINGS REVEAL BEARING PRESSURE LESS THAN 3,000 P.S.F., CONTACT ENGINEER FOR REEVALUATION OF FOUNDATION DESIGN.
- 11) THE ACCESS HATCH OF THE STANDPIPE SHALL BE FRAMED AT LEAST FOUR INCHES ABOVE THE SURFACE OF THE ROOF AT THE OPENING. THE HATCH SHALL HAVE A WATERTIGHT COVER WHICH OVERLAPS THE FRAMED OPENING AND EXTENDS VERTICALLY DOWN AROUND THE FRAME AT LEAST 2 INCHES (SHOE BOX TYPE). THE HATCH SHALL ALSO BE HINGED AT ONE SIDE AND FITTED WITH A LOCKING DEVICE.



**WATER STORAGE TANK
DETAILS**
**COMPASS COVE
WATER DISTRIBUTION SYSTEM**
DEVELOPED BY: WINDSTAR PROPERTIES, L.L.C.
GILLS CREEK MAGISTERIAL DISTRICT
FRANKLIN COUNTY, VIRGINIA
JULY 15, 2003
REVISED: DECEMBER 10, 2003
REVISED: JANUARY 6, 2004
SHEET 11 OF 15