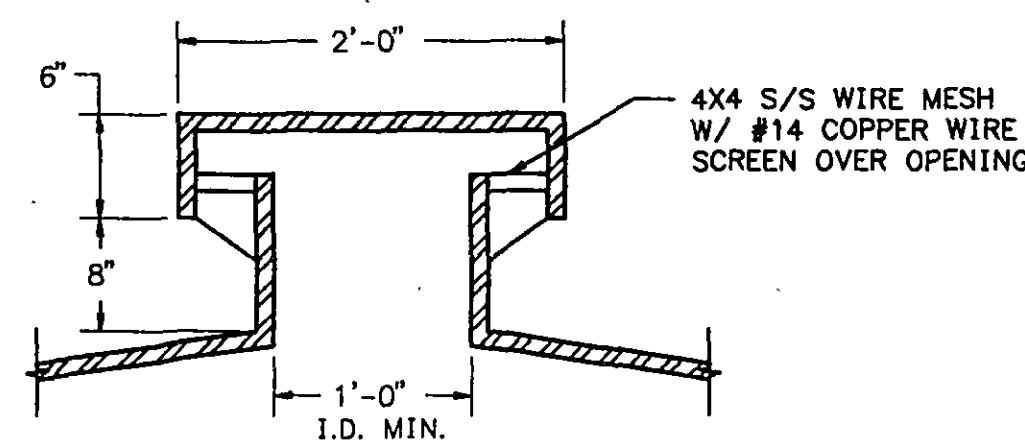
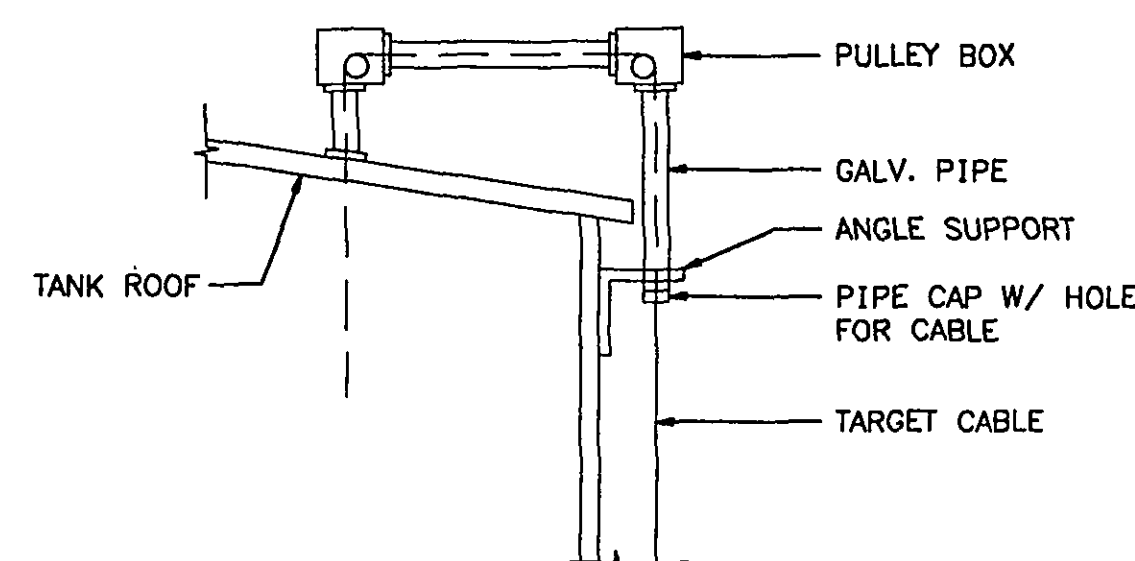
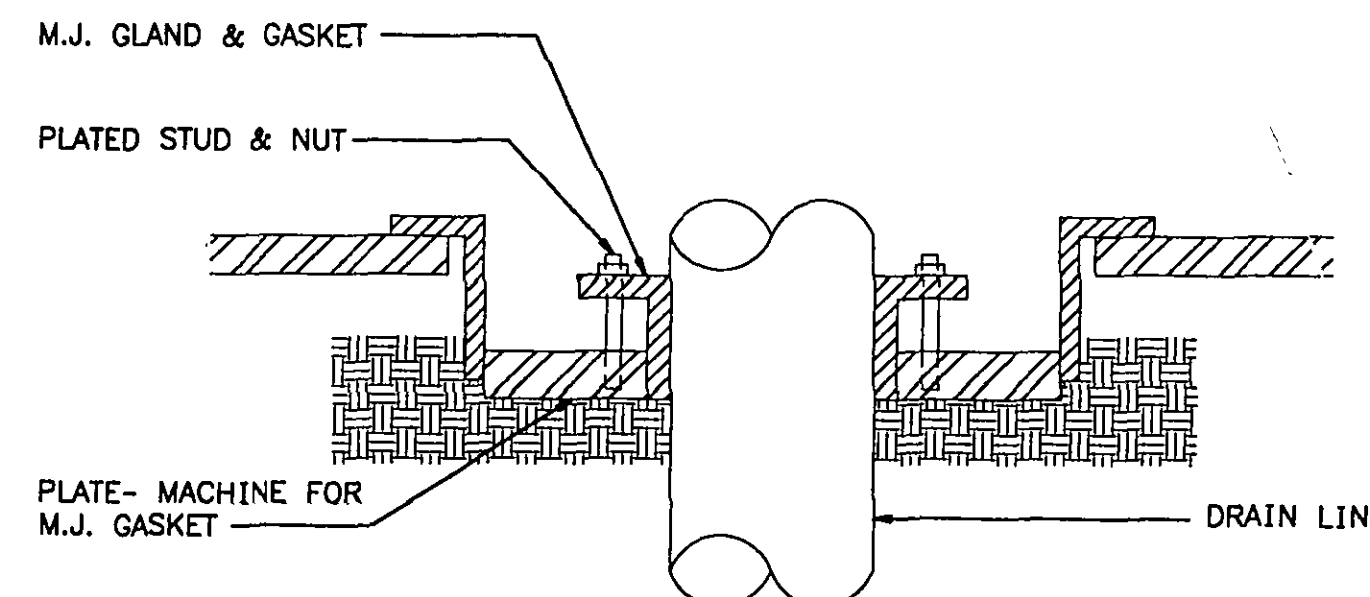




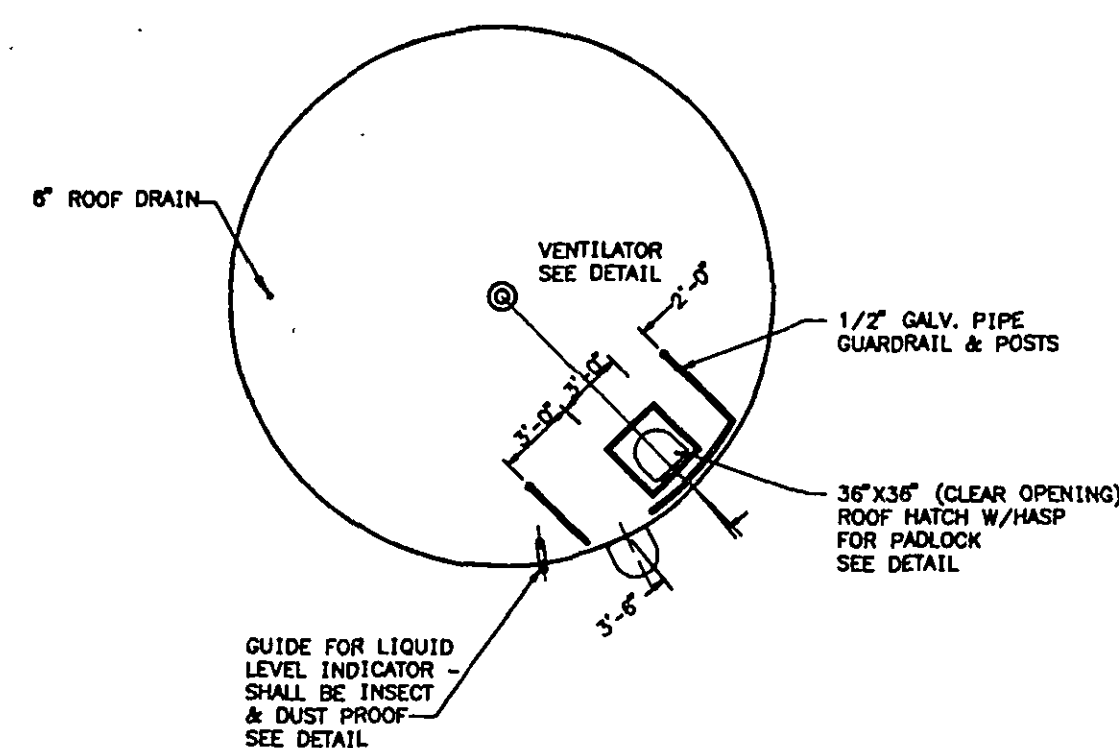
**VENTILATOR DETAIL**  
NTS R<sub>WL</sub>-23A



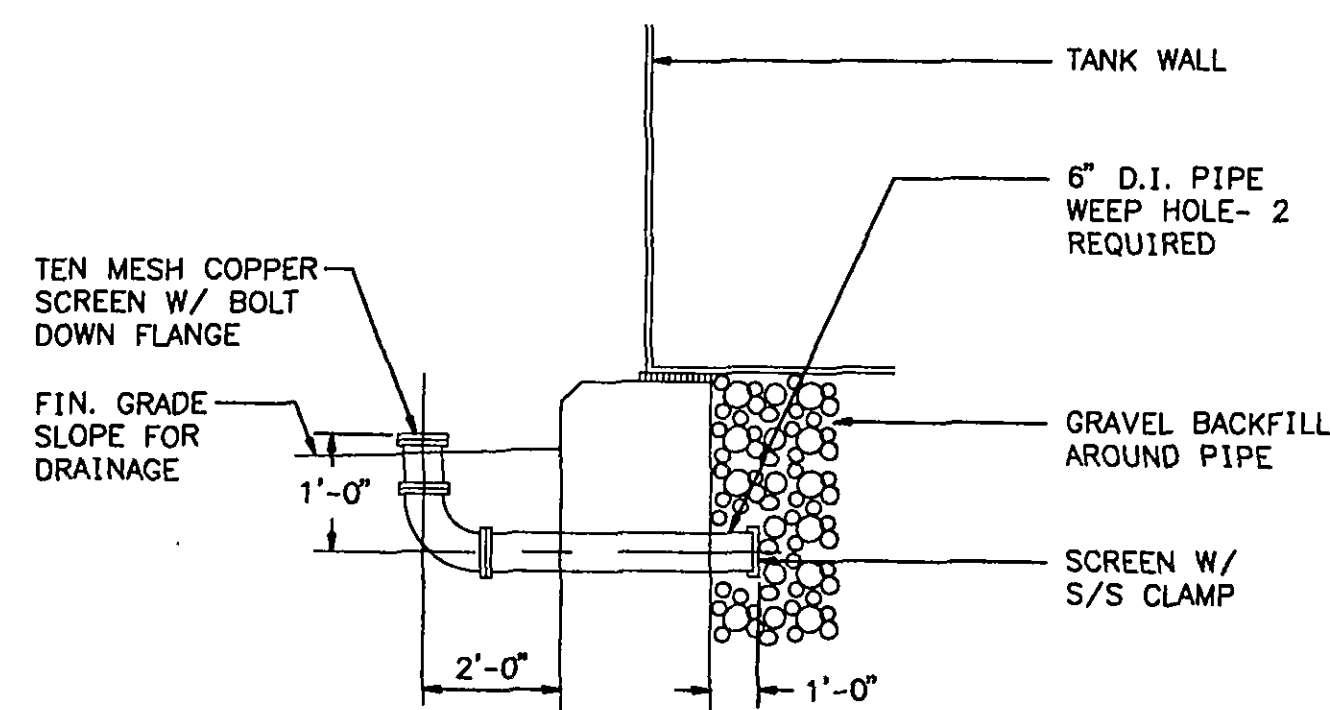
**PULLEY BOX DETAIL**  
NTS R<sub>WL</sub>-23D



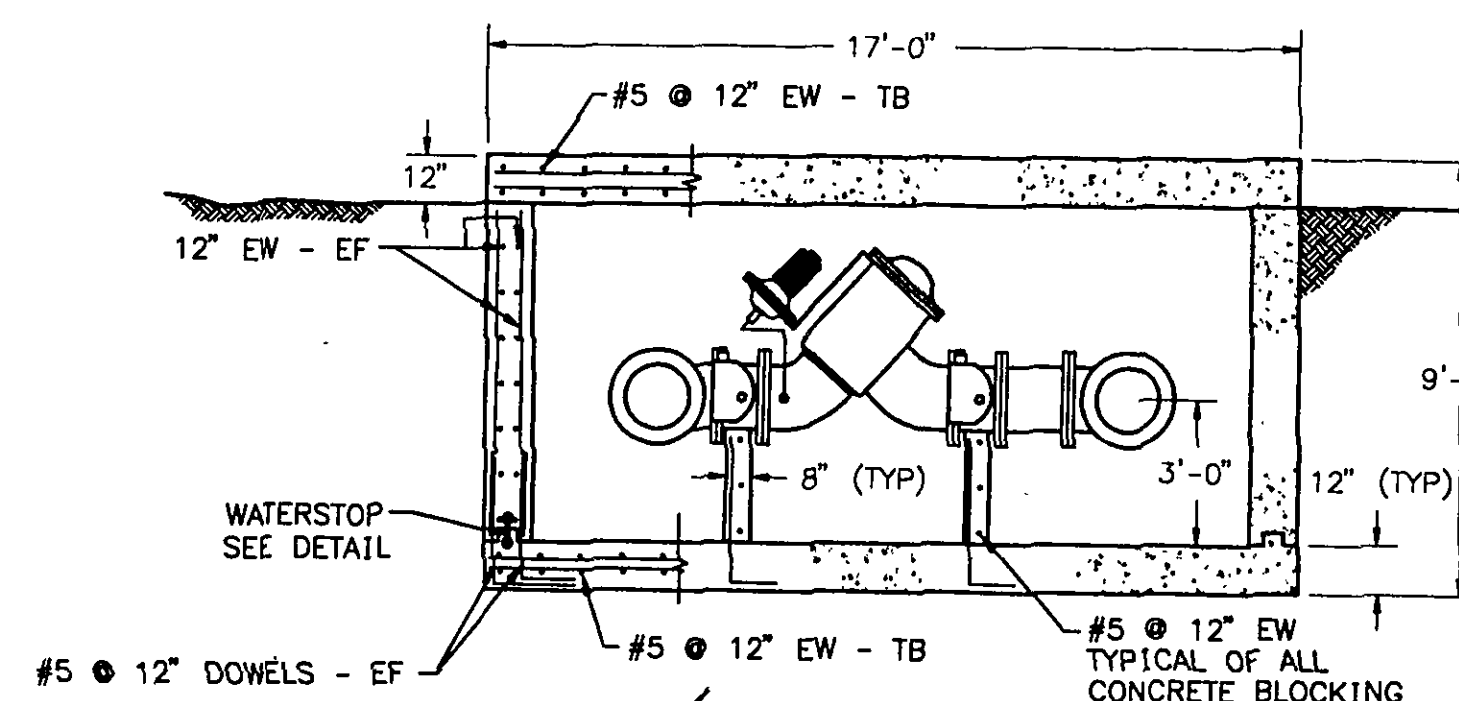
**TANK DRAIN**  
NTS R<sub>WL</sub>-23F



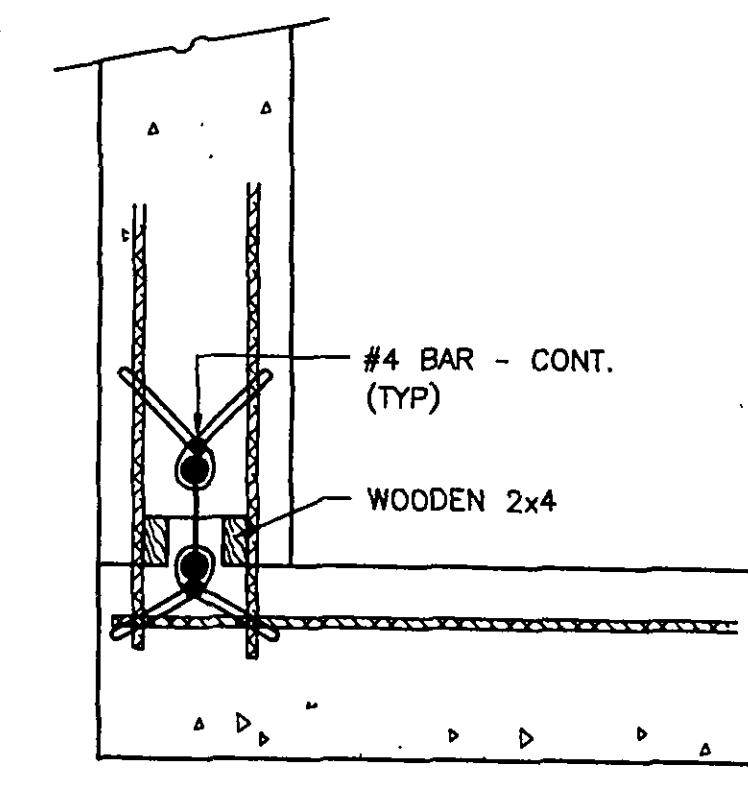
**ROOF PLAN**  
NTS R<sub>WL</sub>-23B



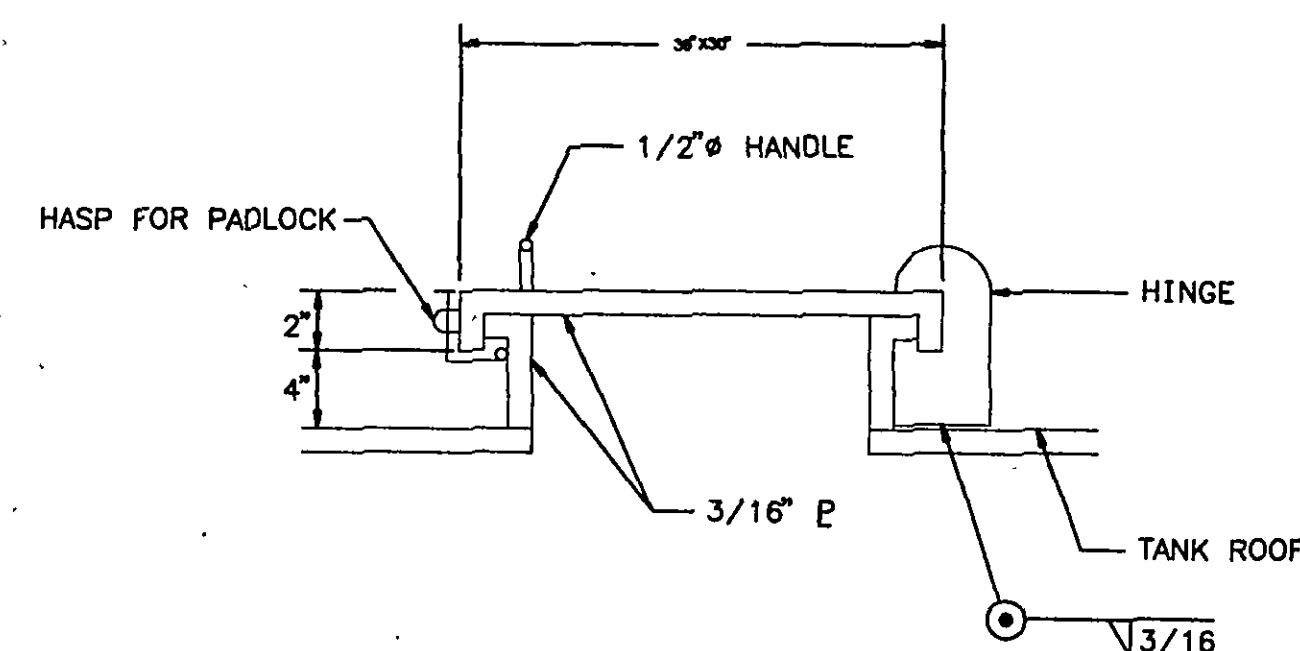
**WEEP DETAIL**  
NTS R<sub>WL</sub>-23G



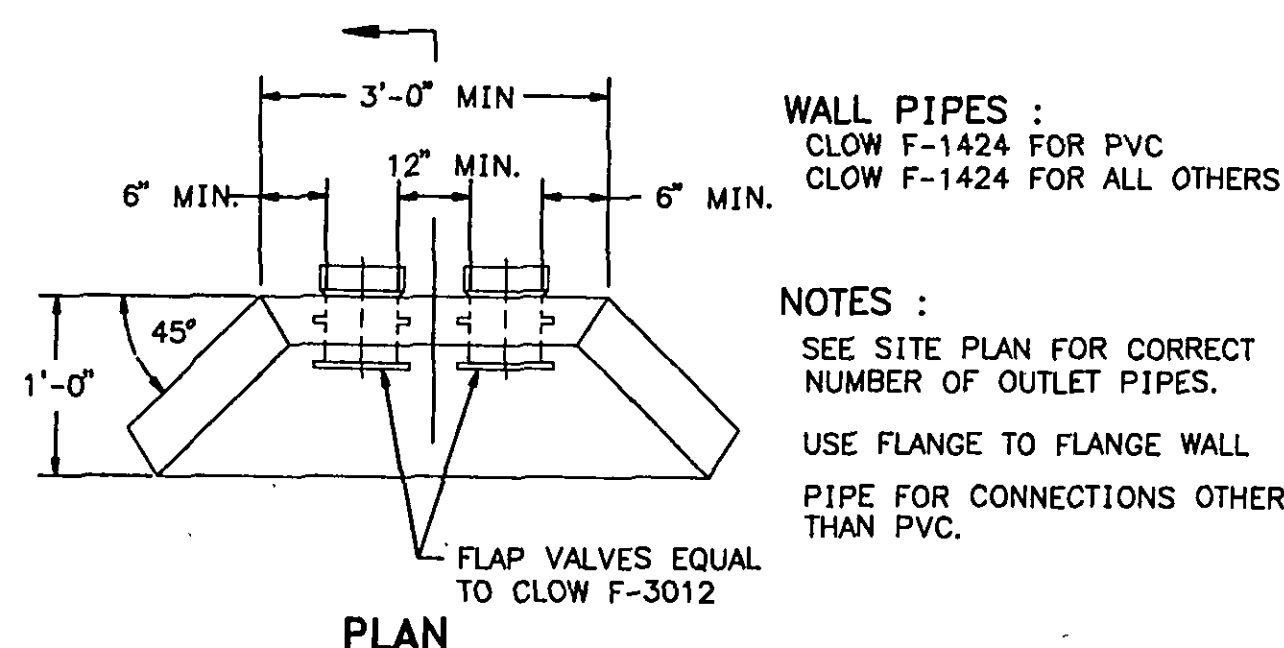
**SECTION A-A**  
NTS R<sub>WL</sub>-23L



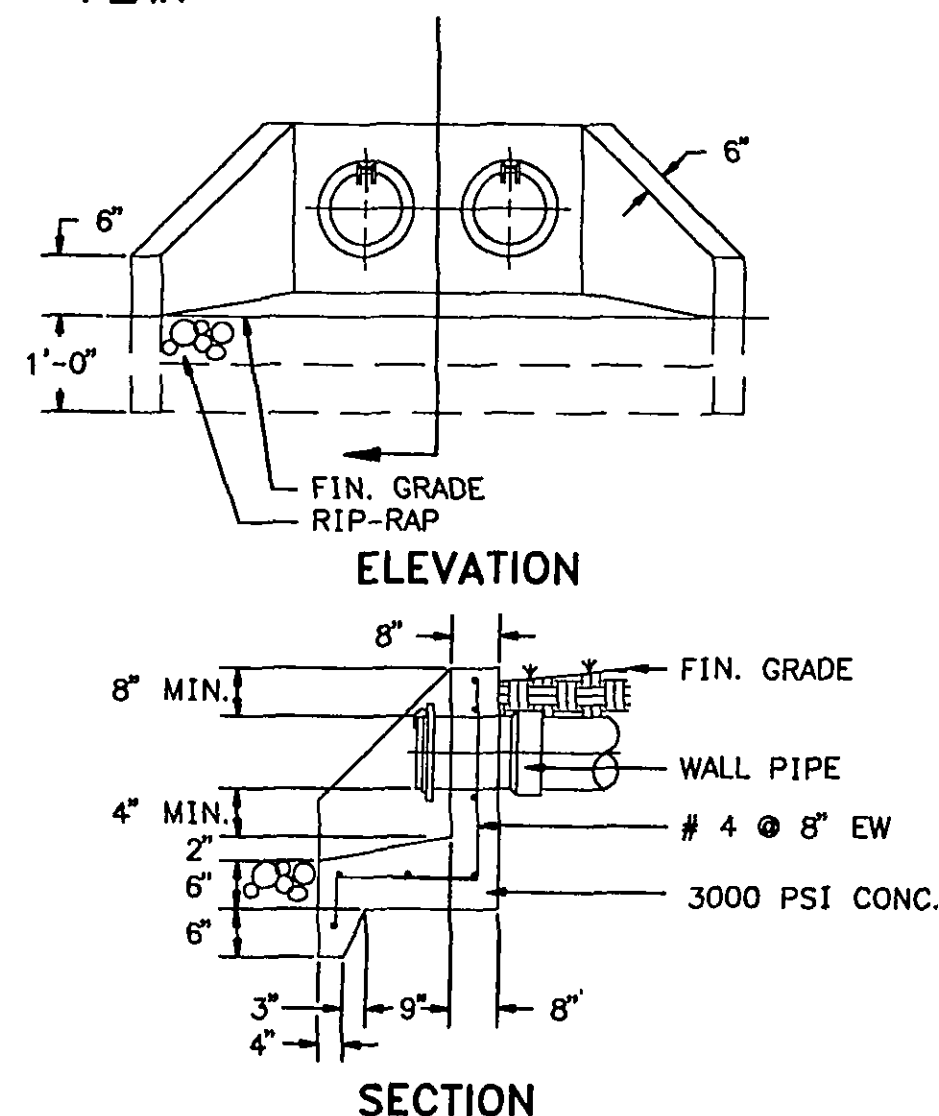
**WATERSTOP DETAIL**  
NTS R<sub>WL</sub>-23K



**ROOF HATCH DETAIL**  
NTS R<sub>WL</sub>-23E

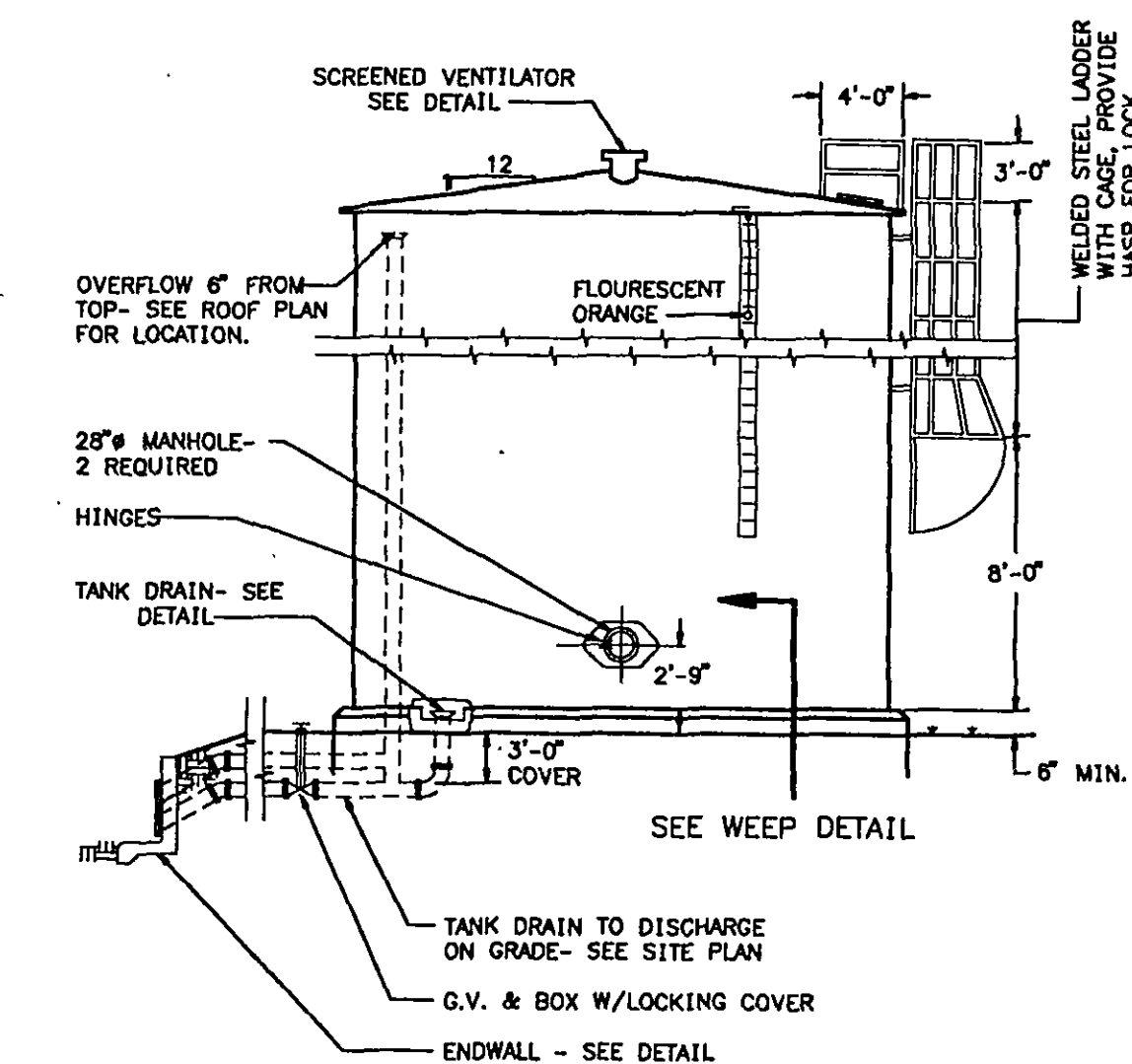


**PLAN**

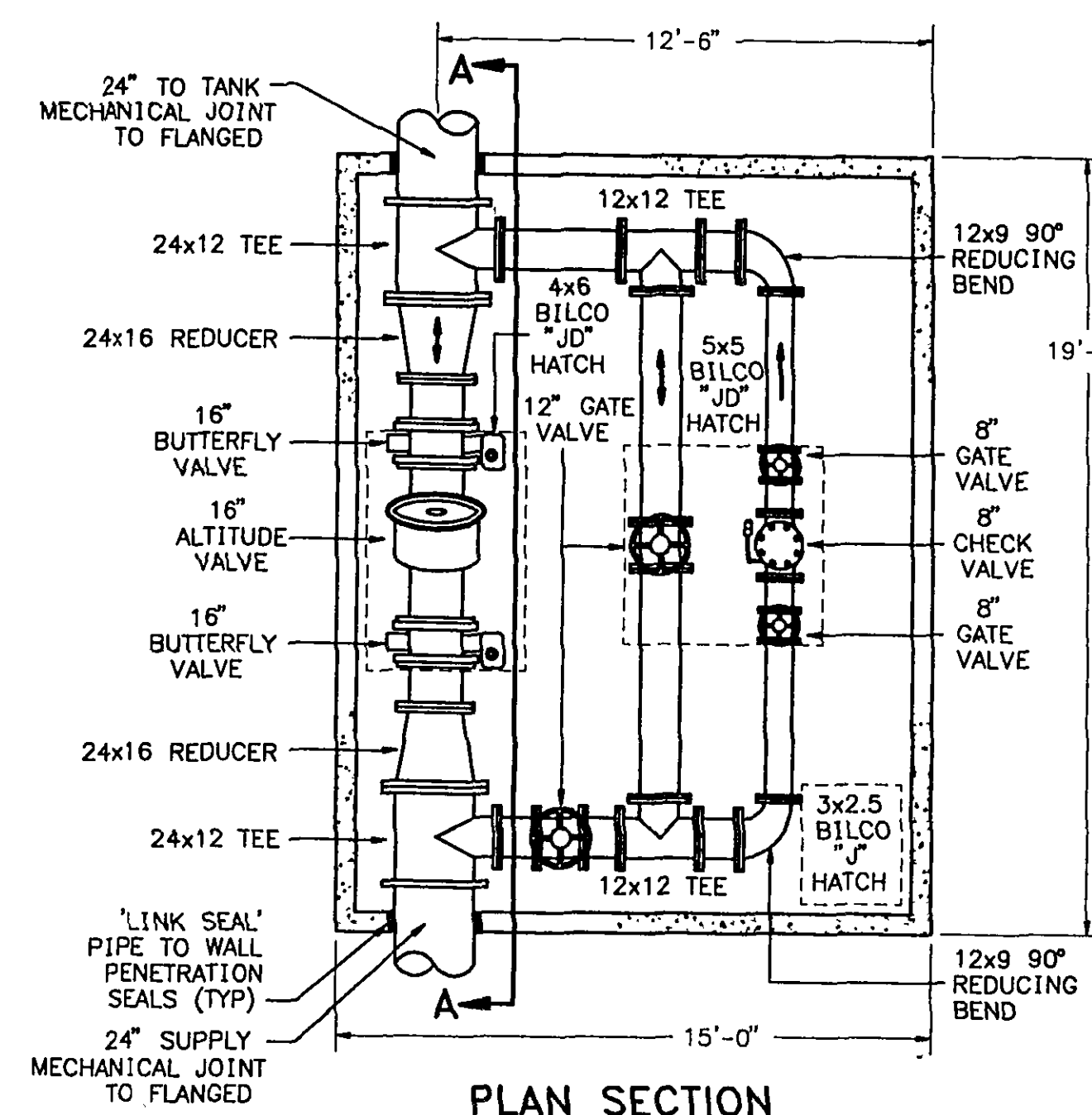


**ELEVATION**

**ENDWALL DETAILS**  
NTS R<sub>WL</sub>-23J



**WATER TANK ELEVATION**  
NTS R<sub>WL</sub>-23C



**PLAN SECTION**

NOTE:  
ALL PIPES AND FITTINGS ARE FLANGED EXCEPT WHERE NOTED.  
ALL BILCO HATCHES ARE STEEL.

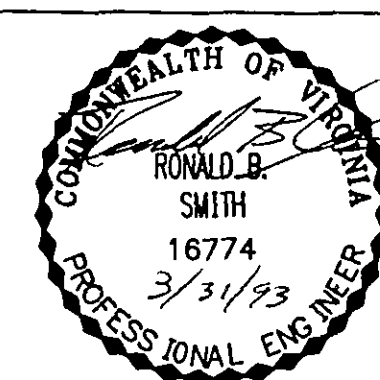
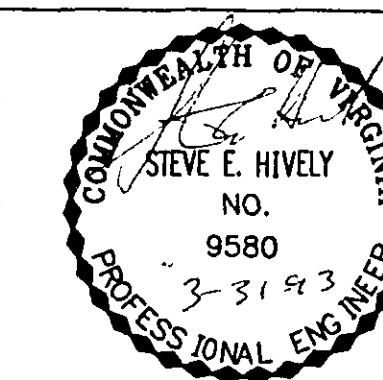
**VALVE VAULT**  
**AT MILL MOUNTAIN TANK**  
NTS R<sub>WL</sub>-19

**TANK DATA**

TANK CAPACITY: 1,000,000 GALLONS  
OVERFLOW ELEVATION: 1140.00'  
TANK HEIGHT: 24'-0"  
TOP OF FOUNDATION ELEV: 1116.00'  
TANK DIAMETER: 90'-0"

**GENERAL NOTES**

1. TANKS TO BE BUILT IN ACCORDANCE WITH AWWA D100.
2. TANKS TO BE FIELD LOCATED BY ENGINEER.
3. ALL TANKS TO BE EQUIPPED W/ PAINTERS TROLLEY AND SAFETY CLIMB DEVICE. (16' TALL AND ABOVE)
4. FOUNDATION SHALL EXTEND A MINIMUM OF 3'-0" BELOW FINISHED GRADE AND ALWAYS PENETRATE A MINIMUM OF 1'-0" INTO UNDISTURBED SOIL.
5. TOP OF OVERFLOW PIPE SHALL HAVE A MINIMUM OF CLEARANCE BELOW ROOF STRUCTURE AND SHALL BE VISIBLE THROUGH ROOF HATCH OPENING WHILE STANDING ON ROOF.
6. SOIL BEARING CAPACITY SHALL BE VERIFIED BY THE CONTRACTOR DURING EXCAVATION. A GEOTECHNICAL ENGINEER SHALL MAKE THIS VERIFICATION.
7. OVERFLOW PIPE SHALL BE ACCESSIBLE FROM 36"x36" ROOF HATCH OR AN ADDITIONAL 12"x12" HATCH SHALL BE PROVIDED FOR ACCESS TO OVERFLOW.
8. DETAILS AND NOTES ON THIS SHEET ARE TO SHOW INTENT FOR THE ALTERNATE WELDED TANK. USE STANDARD DETAILS APPROVED BY THE VIRGINIA DEPARTMENT OF HEALTH FOR ALL OTHER TANKS.
9. TANK FOUNDATION DESIGN SHALL BE BY THE TANK MANUFACTURER IN ACCORDANCE WITH AWWA.
10. SEE MILL MOUNTAIN SITE PLAN (SHEET 19) FOR ORIENTATION OF LEVEL INDICATOR, HATCH, LADDER, AND PIPING.



ENGINEER'S SEAL

ENGINEER'S SEAL

Architects  
Engineers  
Planners  
Surveyors

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**Carvins Cove, Phase II**  
City of Roanoke  
Roanoke, Virginia

**CONTRACT "C2"**  
**River and Lake**  
**(MILL MOUNTAIN)**  
**GROUND STORAGE TANK**  
**DETAILS**

Drawn By ACF  
Designed By RBS  
Checked By SEH  
Date MARCH 93  
Scale AS NOTED  
Plan Number C2DTRWL5  
Zoned NONE  
Sheet 20 of 25  
File Number C1160