

FIRE-RETARDANT STORAGE TANK DESIGN

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WARRANTY - ALL WORK PERFORMED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM ACCEPTANCE. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE GUARANTEE PERIOD.

MATERIALS - ALL MATERIALS SHALL BE NEW AND UNUSED, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND IN THE BEST PRACTICE OF THE CRAFT. OBTAIN OWNER'S APPROVAL OF ALL PRODUCTS PRIOR TO ORDERING OR INSTALLING ANY PART OF ANY SYSTEM.

COMPRESSED AIR PIPING: STEEL PIPE, ASTM A53, SCHEDULE 40 WITH THREADED FITTINGS, APPLY COATING AFTER DRILLING OF BUBBLER HOLES IN PIPING.

RETARDANT RECIRCULATION PIPING: STEEL PIPE, ASTM A53, SCHEDULE 40 WITH THREADED FITTINGS. APPLY COATING AFTER DRILLING OF RECIRCULATION HOLES.

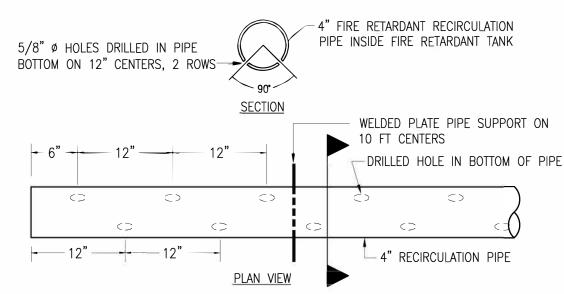
BUTTERFLY VALVES: IRON BODY, BRONZE DISC, RESILIENT SEAT FOR-40 TO 120 F OPERATION, LUG ENDS AND 10 POSITION LEVER HANDLE.

BALL VALVES: BRONZE TWO PIECE BODY, FULL PORT, FORGED BRASS, CHROME PLATED BALL, TEFLON SEATS AND STUFFING BOX RING, LEVER HANDLE, THREADED ENDS WITH UNION. SEAT MATERIAL TO BE COMPATIBLE WITH FLUID HANDLED.

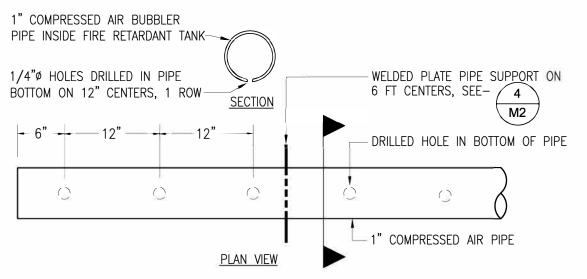
OPERATION AND MAINTENANCE MANUAL - PROVIDE THE OWNER WITH AN OPERATING AND MAINTENANCE MANUAL TO INCLUDE MANUFACTURER'S SPECIFICATIONS. OPERATING AND MAINTENANCE INSTRUCTIONS. WARRANTY INFORMATION ON EACH PIECE OF EQUIPMENT. AS WELL AS A SOURCE OF SUPPLY FOR SPARE PARTS AND SERVICE.

FIRE RETARDANT STORAGE TANK - 10,000 GALLON CAPACITY, SHOP FABRICATED, WELDED STEEL TANK, MINIMUM STEEL GAUGE 2, SKID MOUNTED WITH MINIMUM OF 5 SADDLES, EXTERIOR COATING IRON OXIDE PRIMER WITH WHITE CHEMLINE POLYURETHANE PAINT. INTERIOR COATING ON SUITABLY PREPARED INTERIOR SURFACE WITH DEVOE DEVMAT 111 COATING. PROVIDE MANHOLES AND TAPPINGS AS INDICATED. SPECIAL ATTENTION SHALL BE PAID TO DRAIN CONNECTION AND INTERIOR PIPING REQUIREMENTS. STENCIL CONTENTS ON BOTH ENDS OF TANK IN MINIMUM 6" HIGH LETTERS "FIRE RETARDANT".

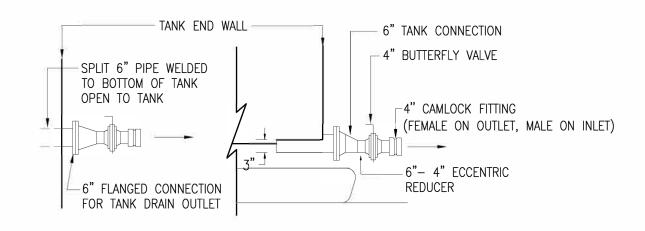
STAIR/PLATFORM SPECIFICATIONS - ALL STAIRS, HANDRAILS, GUARDRAILS, AND PLATFORMS SHALL BE CONSTRUCTED TO BE COMPLETELY COMPLIANT WITH O.S.H.A. AND ALL OTHER APPLICABLE CODES AND STANDARDS. THE STAIRS AND PLATFORM SHALL BE CONSTRUCTED SEPARATELY FROM THE TANK FOR SEPARATE SHIPPING AND FIELD CONNECTION TO TANK. STAIRS AND PLATFORMS SHALL BE OF WELDED STEEL CONSTRUCTION AND SHALL BE BOLTED TO MOUNTS WELDED TO THE TANK, ALL STAIRS AND PLATFORMS SHALL BE FINISHED SIMILAR TO THE EXTERIOR OF THE TANK WITH THE EXCEPTION OF STAIR TREADS AND PLATFORM GRATING. STAIR TREADS AND PLATFORM WALKWAY SHALL BE CONSTRUCTED OF GALVANIZED GRATING DESIGNED TO SUPPORT A MINIMUM LOAD OF 600 LBS. THE PLATFORM SHALL BE CONSTRUCTED WITH A REMOVABLE SECTION OF GRATING IN THE CENTER FOR MANHOLE ACCESS. THE PLATFORM DIMENSIONS SHALL BE A MINIMUM OF 6'-0" X 6'-0". HANDRAILS/GUARDRAILS SHALL HAVE A MINIMUM DIAMETER OF 2 INCHES. THE PLATFORM SHALL BE FRAMED WITH A MINIMUM OF 3 INCH C-CHANNEL.



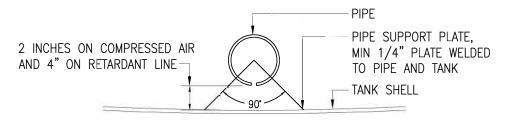




COMPRESSED AIR BUBBLER LINE



PLAN VIEW **ELEVATION** TYPICAL TANK OUTLET/INLET DETAIL







SR JFH 08/26/2 L0195 

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STORAGE TANK DESIGN

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