

GENERAL NOTES:

1. SEE CONTRACT SPECIFICATIONS FOR DESIGN CRITERIA AND DETAILS. APPLICABLE ELEVATED TANK SPECIFICATIONS ARE LATEST AWWA D107 AND ACI 318.
2. STEEL TANK FLOOR WITHIN THE PERIMETER OF THE CONCRETE SUPPORT PEDESTAL SHALL BE SUPPORTED BY A DOMED STRUCTURAL CONCRETE SLAB.
3. PROVIDE ADEQUATE FREEBOARD TO INSURE ROOF PROJECTIONS AND PAINTER'S RAIL REMAIN ABOVE THE HIGH WATER LEVEL.
4. CONCRETE PEDESTAL EXTERIOR SHALL INCORPORATE HORIZONTAL AND VERTICAL RUSTICATION STRIPS TO CREATE A SYMMETRICAL ARCHITECTURAL PATTERN.
5. SEE CONTRACT SPECIFICATIONS FOR STEEL TANK COATING REQUIREMENTS.

FOUNDATION:

1. REFER TO THE GEOTECHNICAL REPORT FOR RECOMMENDATIONS REGARDING ALLOWABLE BEARING CAPACITY, (SAFETY FACTORS PER AWWA D107)
2. DESIGN FOUNDATION SYSTEM PER GEOTECHNICAL REPORT. RECOMMENDATIONS AND MAXIMUM APPLICABLE DESIGN LOADS IN ACCORDANCE WITH AWWA D107.
3. CONCRETE FOUNDATION DESIGN IN ACCORDANCE WITH ACI 318.

MECHANICAL:

1. INLET / OUTLET AND OVERFLOW PIPING WITHIN THE PEDESTAL SHALL BE TYPE 316 STAINLESS STEEL.
2. PROVIDE HANGERS, BRACKETS, AND THRUST RESTRAINT AS REQUIRED.
3. OVERFLOW SYSTEM SHALL BE DESIGNED TO ACCOMMODATE MAXIMUM FILL RATE. SEE CONTRACT SPECIFICATION.
4. REMOVABLE SILT STOP SHALL BE MINIMUM 6 INCHES ABOVE TANK FLOOR.
5. ALTITUDE VALVE PIPING SHALL BE MADE OUT OF CARBON STEEL.

MISCELLANEOUS ITEMS

1. A REMOVABLE ALUMINUM LOUVER SHALL BE INSTALLED AT THE UPPER LANDING FOR ACCESS TO THE EXTERIOR PAINTER'S RAIL.
2. PROVIDE PROTECTIVE RAIL AROUND TANK FLOOR MANHOLE AND INLET / OUTLET PIPE.

ELECTRICAL:

1. MOUNT ILLUMINATED 20 AMP 1 POLE SWITCHES FOR BASE LIGHTS INSIDE THE MAN-DOOR ENTRY (HEAVY-DUTY HUBBELL #HBL 1223IL).
2. MOUNT ILLUMINATED 20 AMP 3-WAY SWITCH AT BASE OF ACCESS LADDER, AND AT TOP OF LADDER (HEAVY-DUTY HUBBELL #HBL1223IL).
3. MOUNT 20 AMP 4-WAY SWITCH AT MID-WAY LADDER LANDING (HEAVY-DUTY HUBBELL #HBL12241).
4. WIRING FOR CATHODIC PROTECTION AND LEVEL CONTROLS SHALL BE AS RECOMMENDED BY MANUFACTURER.
5. PROVIDE LIGHTNING PROTECTION.

SAMPLE TAP NOTES:

1. SAMPLE TAP TUBE SHALL BE A 3/4" DIA. SCH 80 PVC PIPE ABOVE BOWL FLOOR, DRILL 1/4" DIA. HOLE(S) @ 12" CENTERS
UPPER HOLE TO BE 18" BELOW OVERFLOW LEVEL
2. SAMPLE TAP TUBE SHALL BE 3/4" DIA. GALVANIZED BELOW THE 3000 PSI COUPLING AND BRASS VALVE.
3. SUPPORT TUBE @ 10' SPACING WITH STAINLESS STEEL BRACKET.
4. SUPPORT TUBE TO RAFTER AT TOP OF PIPE.
5. INSULATE PIPING AND VALVE BELOW TANK BOWL.

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1 OF 1

SAN ANTONIO WATER SYSTEM
SAN ANTONIO, TEXAS



ELEVATED STORAGE TANK - GENERAL NOTES

APPROVED:
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REVISED: