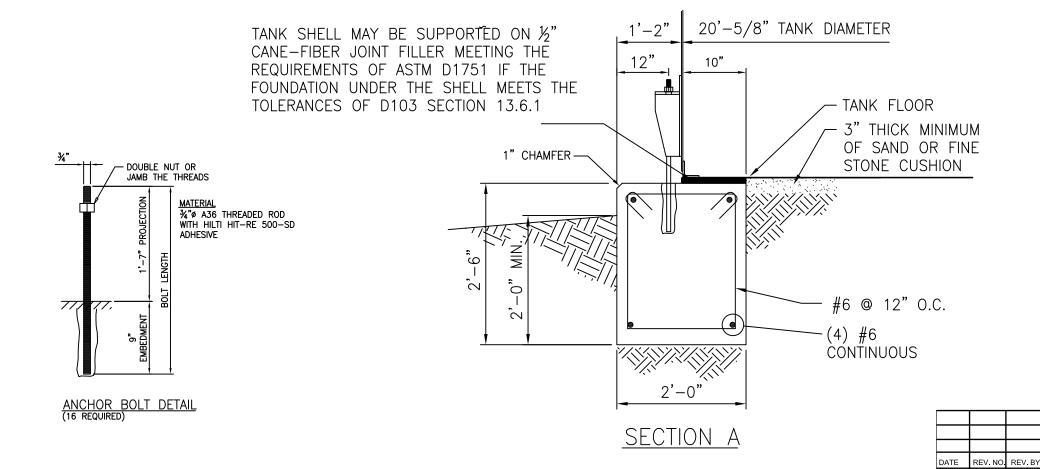


TANK FOUNDATION PLAN



DESIGN CRITERIA:

CODES: ANSI/AWWA D103-09STD

DESIGN PRESSURE: ATM
ROOF SNOW LOAD: OPSF
ROOF LIVE LOAD: 25PSF

BASIC WIND SPEED: V=200MPH (PER ASCE 7-10), EXPOSURE C

Ss=0.41, S1=0.16

SITE CLASS D; SEISMIC USE GROUP = I

CONTENT: WATER SPECIFIC GRAVITY: 1.0

LOCATION: AMERICAN SAMOA

SOLIS: EST. MIN. 2500PSF; SITE CLASS C

INTERIOR: WHITE

EXTERIOR: FOREST GREEN

TOTAL USABLE CAPACITY: APPROXIMATELY 65,000US US GALLONS

GENERAL CONDITIONS:

- 1. ALL WORK SHALL COMPLY WITH THE 2012 INTERNATIONAL BUILDING CODE AND ANY APPLICABLE LOCAL REGULATIONS.
- WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS.
 CONTRACTOR IS RESPONSIBLE TO REVIEW THE PLANS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION.
- 4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE LIABLE FOR ANY AND ALL DAMAGES WHICH MAY BE DUE TO HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- 5. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT.
- 6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS.

SITE WORK:

- 1. SITE MUST BE PREPARED AS REQUIRED IN THE GEOTECHNICAL REPORT.
- 2. FOOTINGS MUST BEAR ON A MINIMUM OF 3'-0" OF STRUCTURAL FILL PREPARED AND COMPACTED AS REQUIRED BY THE GEOTECHNICAL REPORT
- 3. RING WALL BELOW GRADE SHALL HAVE BACKFILL PLACED EQUALLY ON BOTH SIDES UNTIL THE REQUIRED LEVELS ARE REACHED.

CONCRETE

REV. DESCRIPTION

1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 LATEST EDITION, STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE, PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, DETROIT, MICHIGAN, EXCEPT AS MODIFIED BELOW:

EXPOSURE CLASS = F1, S0, P0, C1

MINIMUM f'c = 4000 PSI

MAXIMUM WATER/CEMENT RATIO = 0.45

MAXIMUM AGGREGATE SIZE = 1"

AIR CONTENT PERCENTAGE = 4.5 ± 1.5

GRADE 60 REINFORCING STEEL

- 2. MAKE ALL BARS CONTINUOUS AROUND CORNERS OR PROVIDE CORNER BARS OF EQUAL SIZE AND SPACING.
- 3. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1".
- 4. LAP ALL CONTINUOUS BARS 40 X DIA.
- 5. NO SLUMP OVER 4" SHALL BE PERMITTED FOR STRUCTURAL CONCRETE.
- 6. AIR CONTENT SHALL BE 4-6%.
- ALL CONCRETE SHALL BE CONSOLIDATED IN PLACE USING INTERNAL VIBRATOR. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE WITHIN FORMS.
- 8. SPECIAL INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE.

