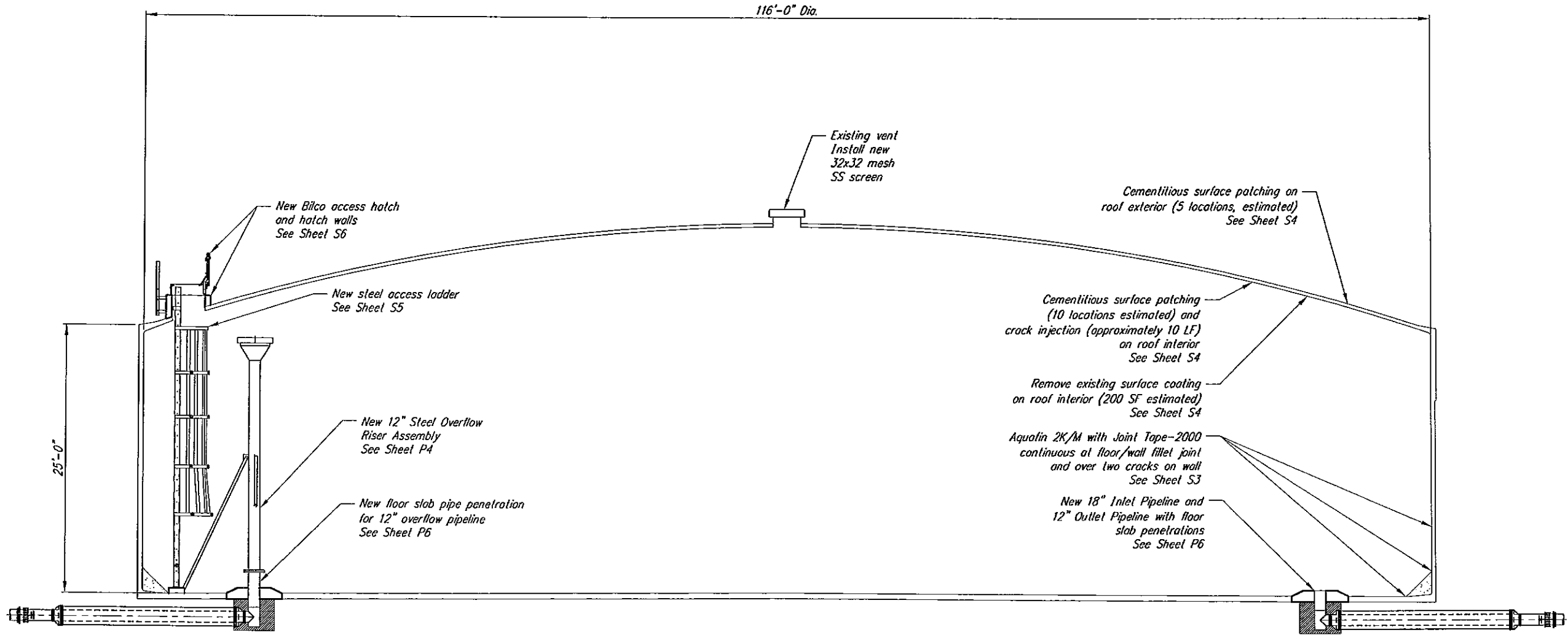
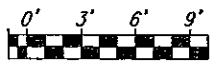


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 PLOT DATE: Dec 08, 2009 4:30pm
 SAVE DATE: OCT 28, 2008 11:57 AM



TANK CROSS SECTION



REVISIONS		Date	By
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AS CONSTRUCTED
 Date: --- By: ---

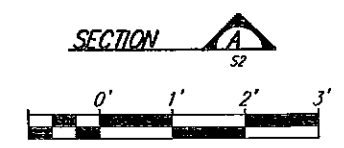
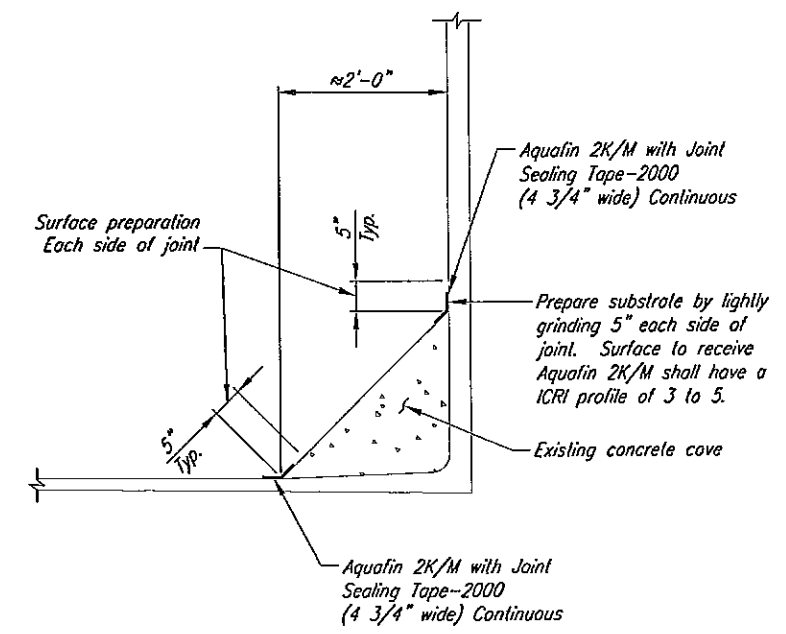
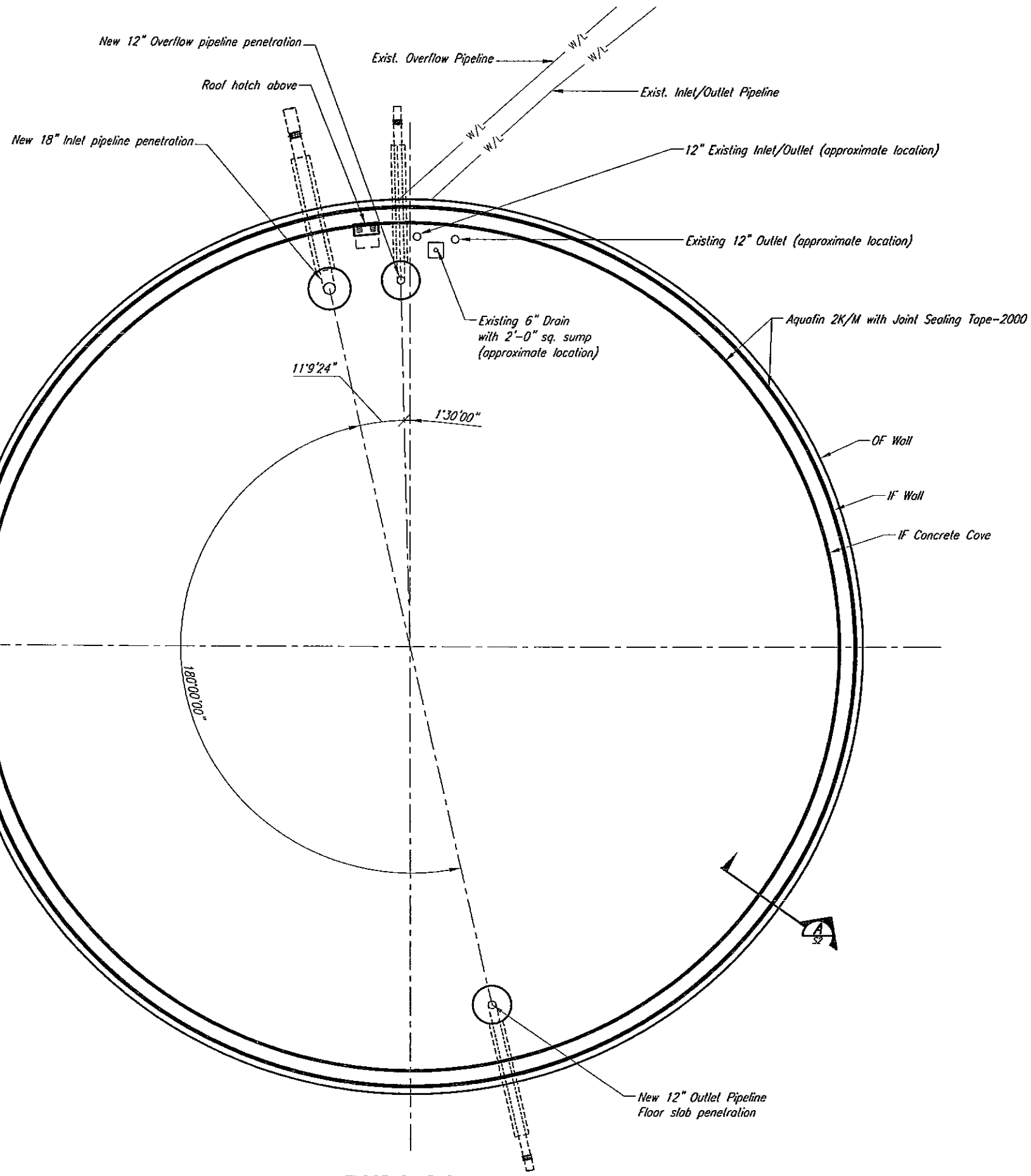
LEFT HAND WATER DISTRICT
 2.0-MG ANDREWS TANK IMPROVEMENTS PROJECT
 STRUCTURAL
 TANK CROSS SECTION



12/07/09
 DATE:
 KB
 DESIGNED:
 KB
 DRAWN BY:

PROJECT NO.
 09.032

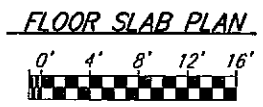
SHEET
 S1



NOTES:

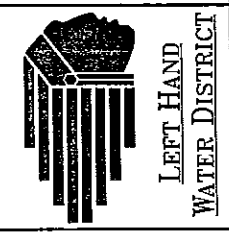
- Contractor shall lay out new pipe locations inside the tank prior to boring. Because the exact location of the existing pipe floor penetrations are not known there may be a conflict between the new and existing pipes. The Contractor shall ensure that there is at least 18" between the new bores and existing pipes.

NAME: P:\Project\09032 - LHW - Andrews_WSI_Improvements\Drawings\S2_Floor_Slab_Plan.dwg
 PLOT DATE: 12/9/2009 4:52 PM
 SAVE DATE: 12/7/2009 11:17 AM



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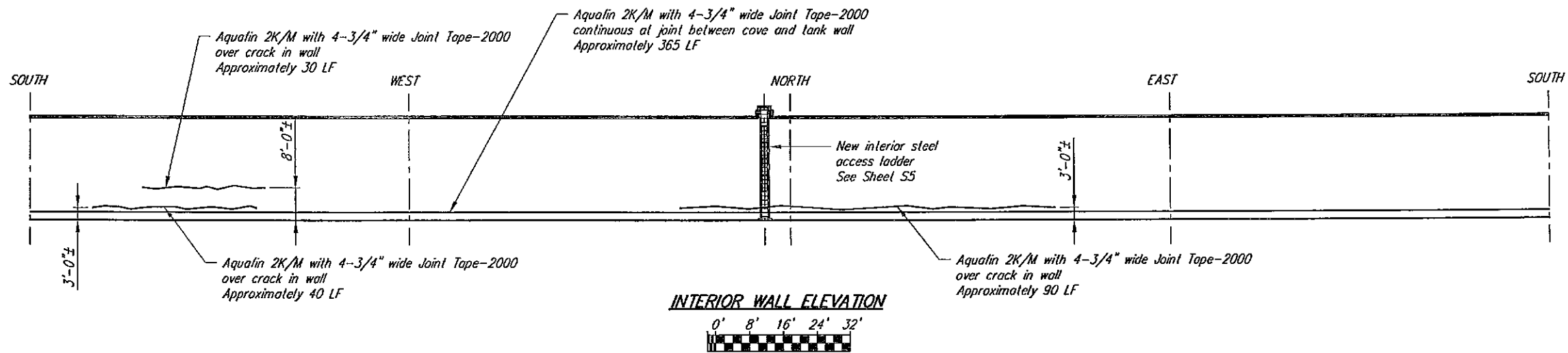
**LEFT HAND WATER DISTRICT
 2.0 MG ANDREWS TANK IMPROVEMENTS PROJECT
 STRUCTURAL
 FLOOR SLAB PLAN**



12/07/09
 DATE:
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 DESIGNED:
 RFH
 DRAWN BY:

PROJECT NO.
 09.032

SHEET
 S2



IMAGES:
XREF:

NAME: P:\project\09032 - LWD - Andrews - WST Improvements\Drawings\SS Interior Wall Elevation.dwg
 PLOT DATE: 12/9/2009 4:53 PM SAVE DATE: 12/7/2009 5:02 PM



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AS CONSTRUCTED
 Date: -- -- By: -- --

LEFT HAND WATER DISTRICT
 2.0-MG ANDREWS TANK IMPROVEMENTS PROJECT
 STRUCTURAL
 INTERIOR WALL ELEVATION



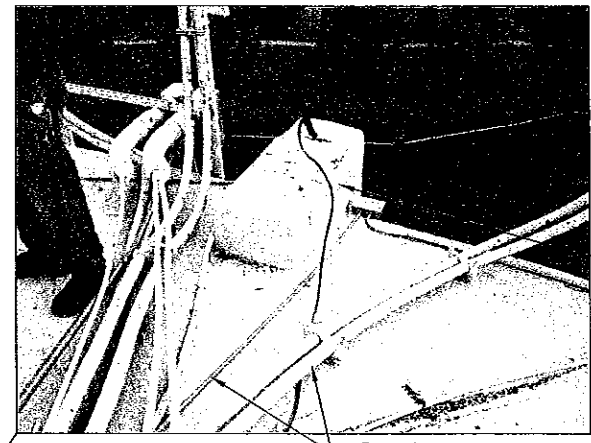
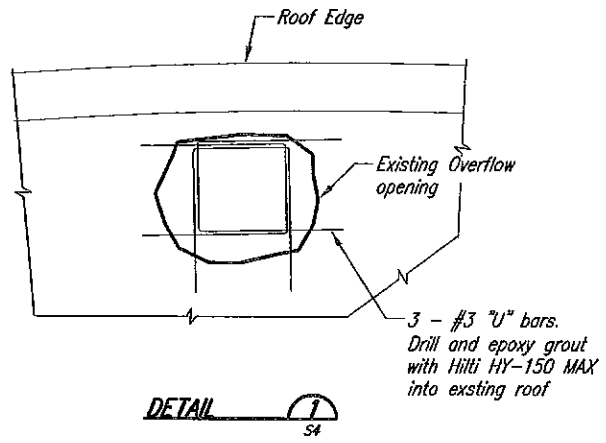
12/07/09
 DATE:
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 DESIGNED:
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 DRAWN BY:

PROJECT NO.
 09.032

SHEET
 S3

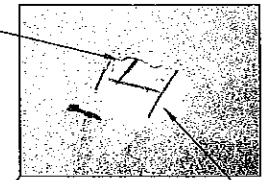
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NAME: P:\Project\09032 - LHO - Andrews WET Improvements\Drawings\ S4 Roof Plan.dwg
PLOT DATE: Dec 08 . 2009 - 4:32pm



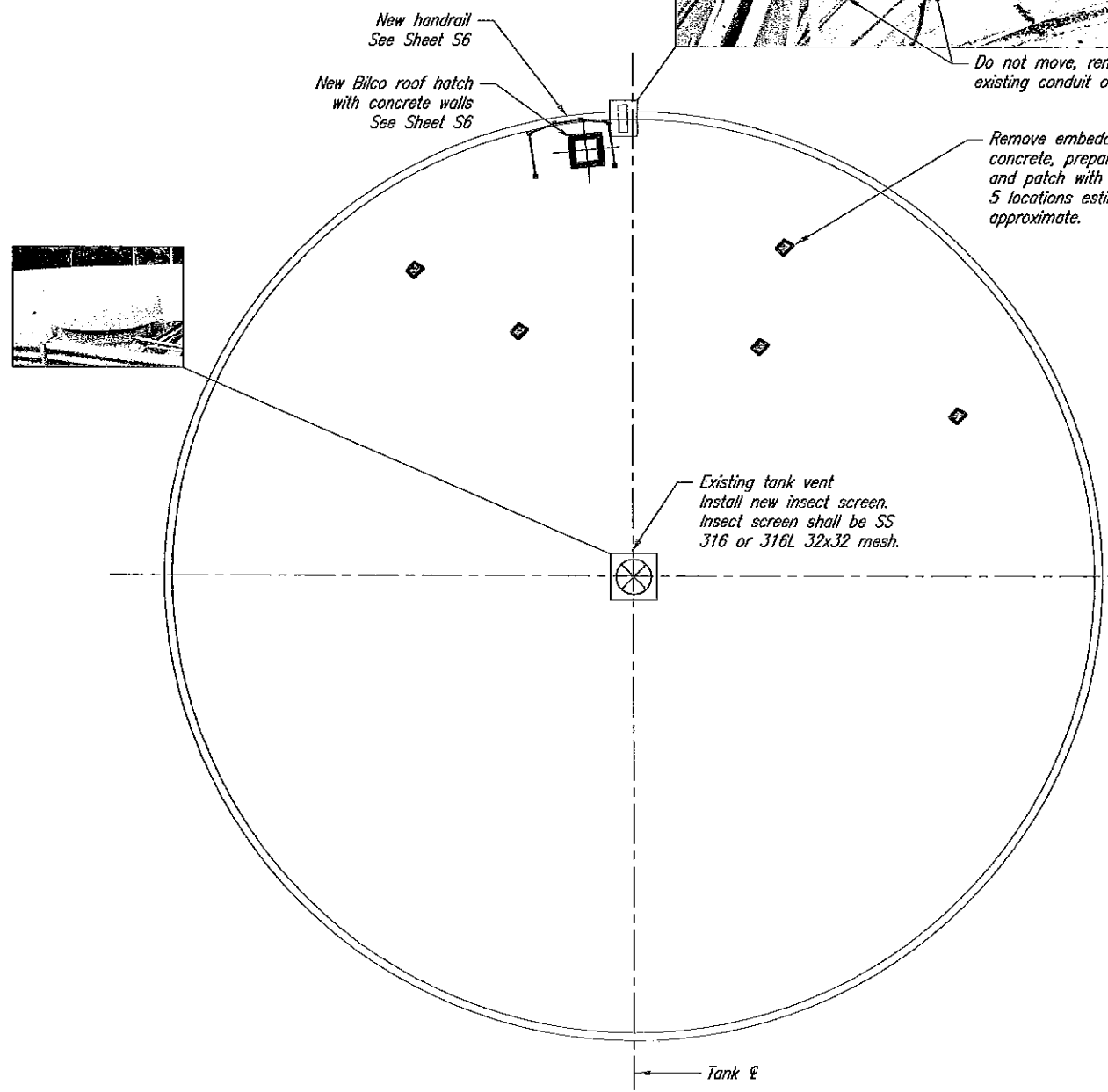
Remove existing overflow weir box and overflow pipe on wall exterior. Fill opening in roof with BASF EMACO S66-CI as shown on this sheet.

Remove existing corroded reinforcing steel. Install new rebar. See Detail S4



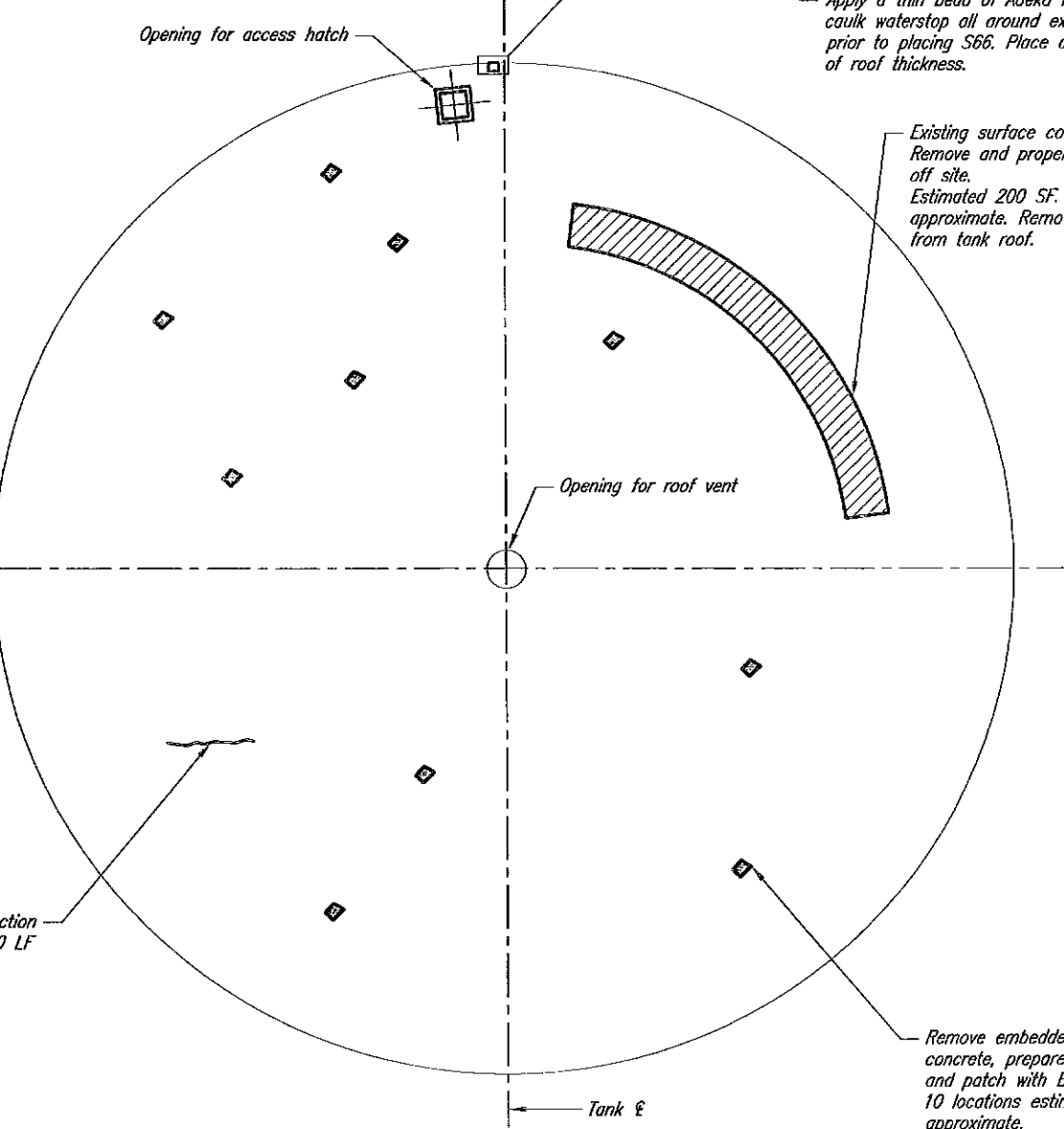
Form and fill existing opening with BASF EMACO S66 CI. Apply BASF EMACO P24 as a bonding agent prior to placing S66.

Apply a thin bead of Adeka P-201 caulk waterstop all around existing concrete prior to placing S66. Place caulk at mid-depth of roof thickness.



Tank E

Polyurethane crack injection
Estimated 10 LF



ROOF PLAN - EXTERIOR
0' 5' 10' 15' 20'

REFLECTED ROOF PLAN - INTERIOR
0' 5' 10' 15' 20'



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AS CONSTRUCTED
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**LEFT HAND WATER DISTRICT
2.0 MG ANDREWS TANK IMPROVEMENTS PROJECT
STRUCTURAL
ROOF PLANS
INTERIOR AND EXTERIOR**



12/07/09
DATE:
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DESIGNED:
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DRAWN BY:

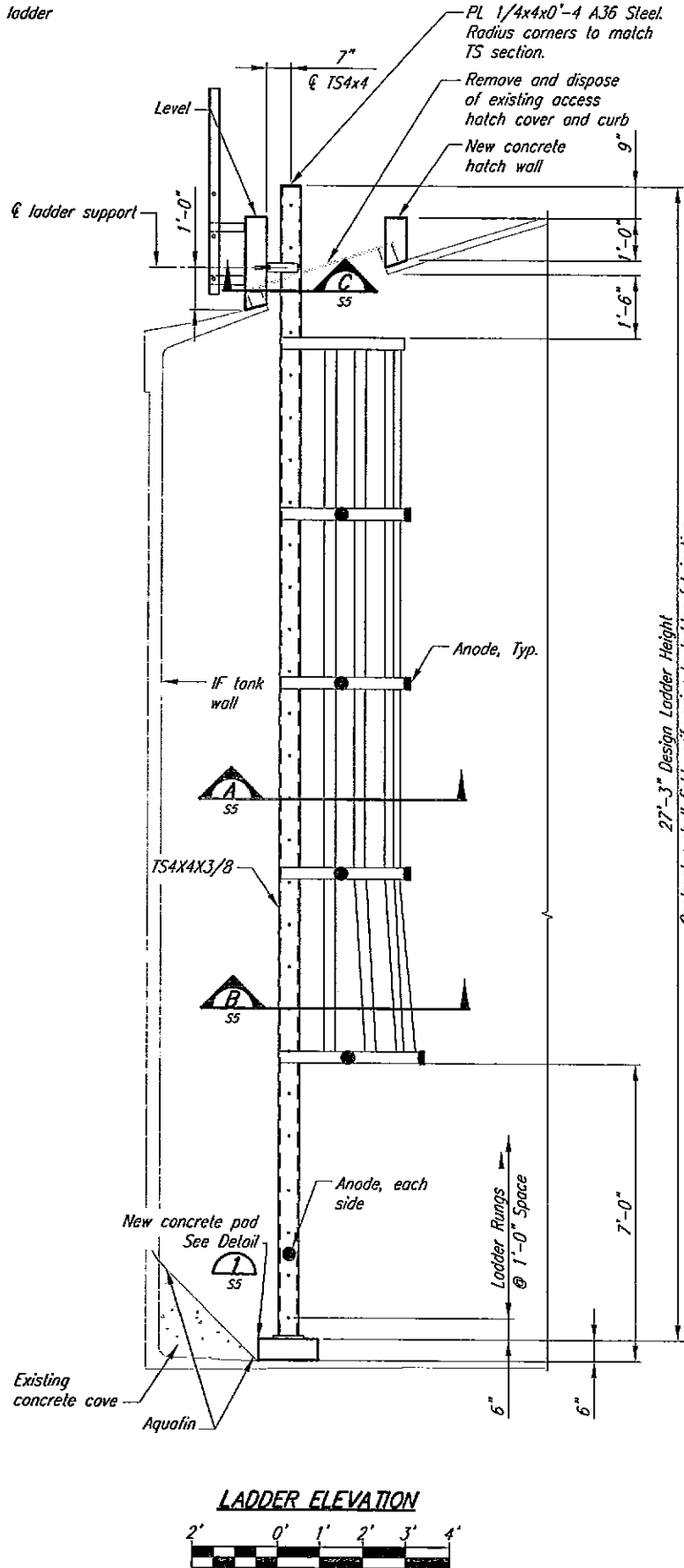
PROJECT NO.
09.032

SHEET
S4

NAME: P:\Project\09032 - LHW - Andrews WST Improvements\Drawings\SS New Interior Ladder.dwg
 PLOT DATE: Dec 06 1:20:09 PM SAVE DATE: APR 23, 2004 3:58 PM

NOTE:

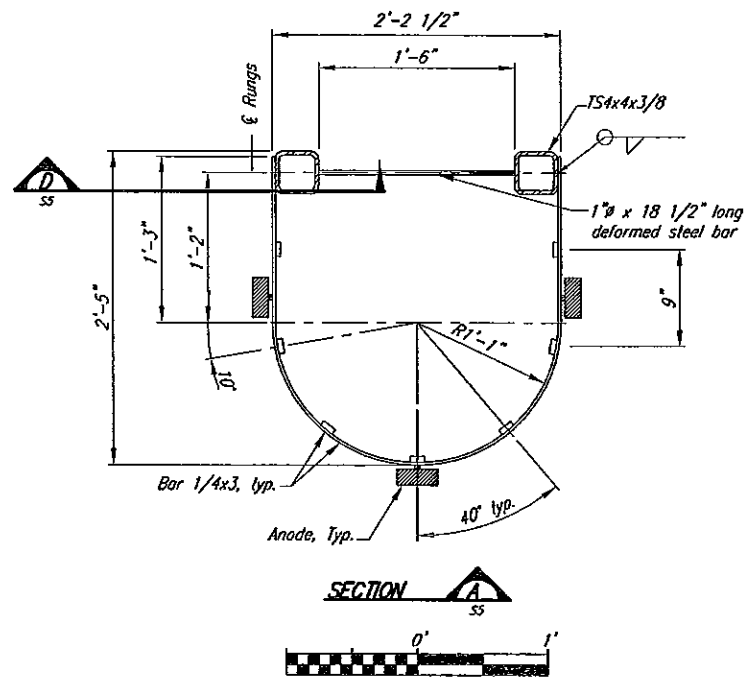
New access hatch and exterior ladder not shown.



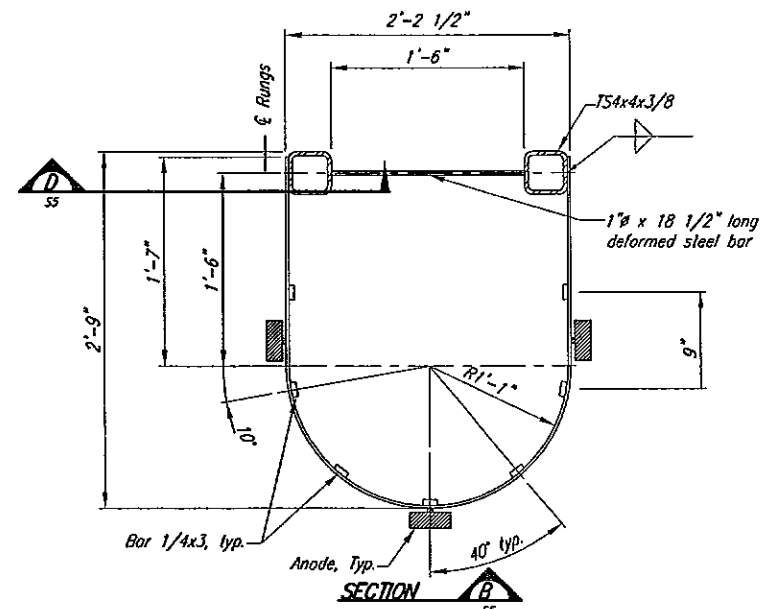
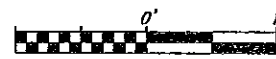
LADDER ELEVATION



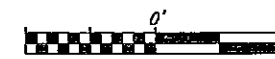
27'-3" Design Ladder Height
 Contractor shall field verify prior to ladder fabrication



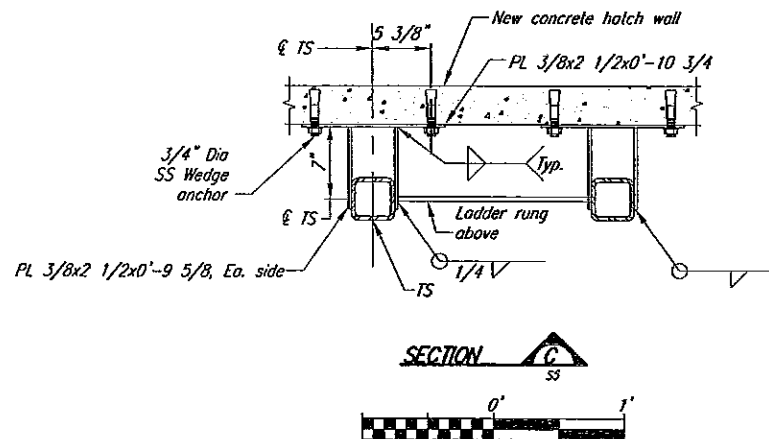
SECTION A



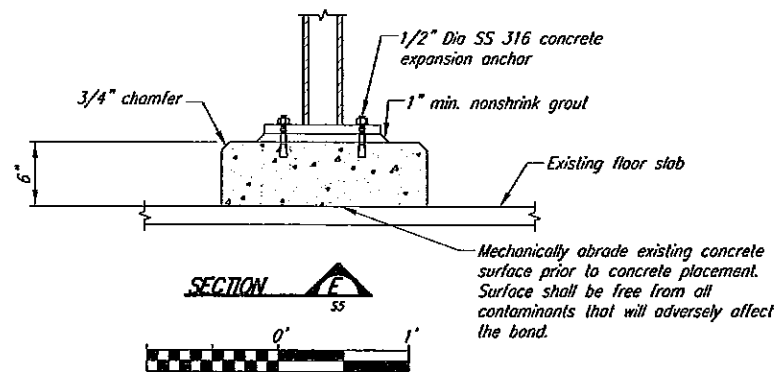
SECTION B



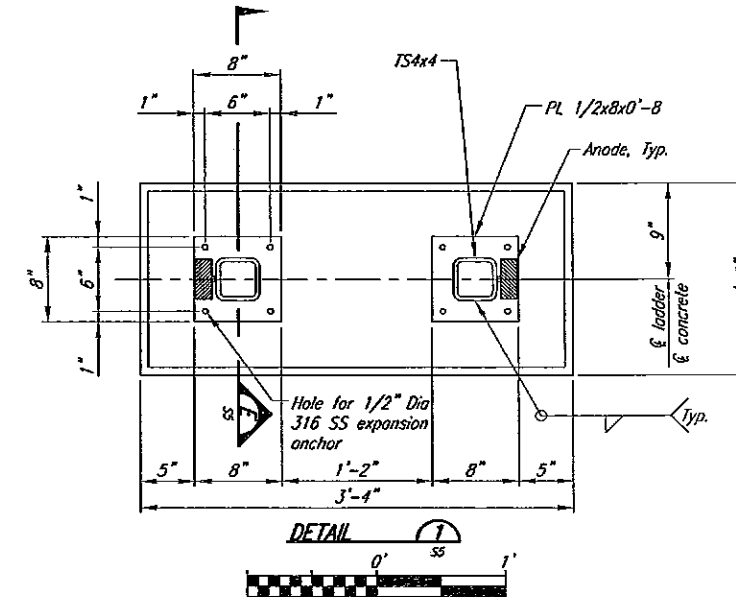
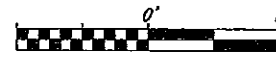
Note:
 Contractor is responsible for verifying that ladder will fit through the existing opening.



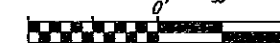
SECTION C



SECTION D

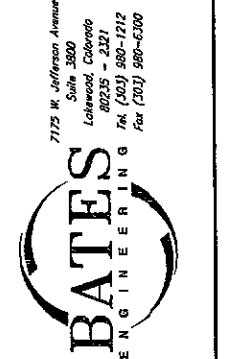


DETAIL



Ladder Notes:

1. Contractor is responsible for fabricating ladder so that it fits through the new or existing roof opening.
2. Ladder and safety cage shall be coated with a NSF 61 certified coating in accordance with Specification Section 05 51 00. If ladder is coated in the shop or prior to installation, then any nicks or damage to the coating shall be field repaired after the ladder is installed. Coating field repairs shall be adequately cured prior to placing the tank in service.
3. Ladder shall conform to OSHA CFR 1910.27.



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AS CONSTRUCTED
 Date: --- By: ---

**LEFT HAND WATER DISTRICT
 2.0 MG ANDREWS TANK IMPROVEMENTS PROJECT
 STRUCTURAL
 NEW INTERIOR LADDER DETAILS**



12/07/09	DATE:
KB	DESIGNED:
RFH	DRAWN BY:
PROJECT NO.	
09.032	
SHEET	
S5	

