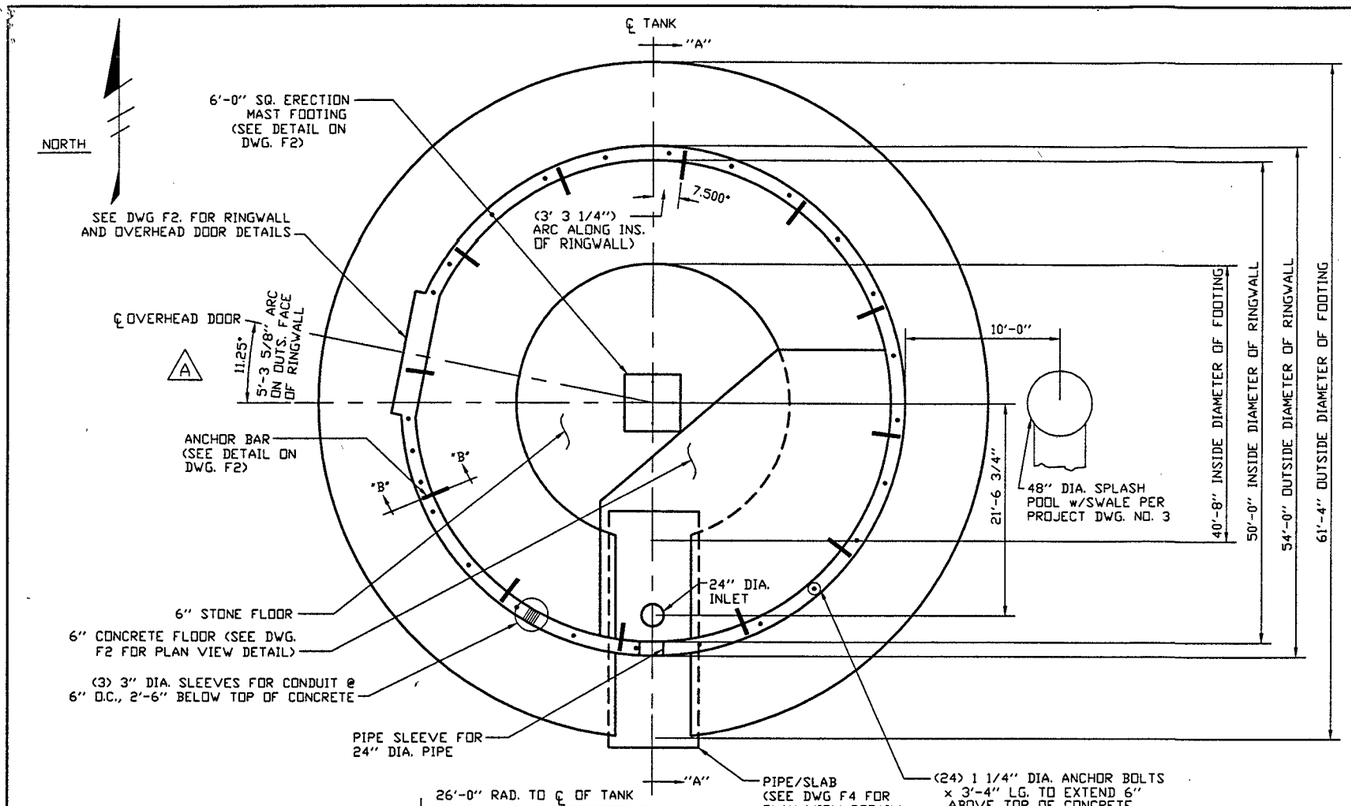


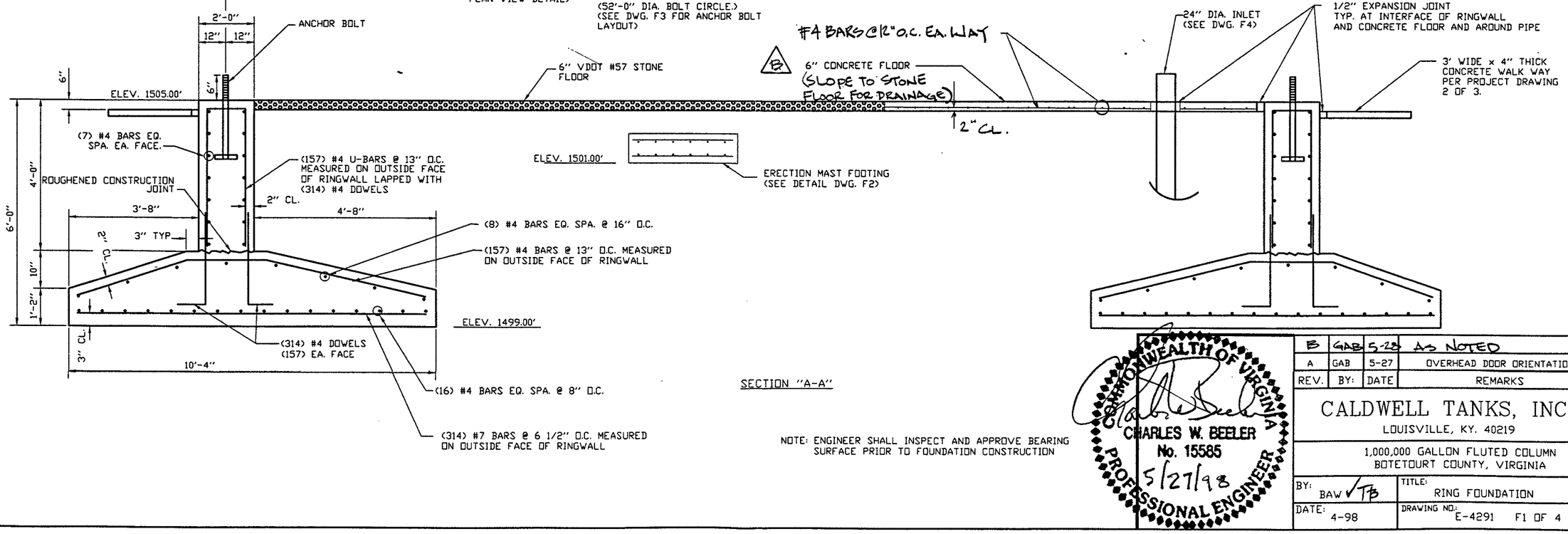


SECTION "A-A"

NOTE: ENGINEER SHALL INSPECT AND APPROVE BEARING SURFACE PRIOR TO FOUNDATION CONSTRUCTION

NOTES:

FOUNDATION CONSTRUCTION SHALL COMPLY WITH A.C.I. 318-95, ACI 301-96, AWWA D100-96 AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS. WIND LOAD = 100 MPH; SNOW LOAD = 25 PSF; SEISMIC ZONE 2A (15%)

CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI @ 28 DAYS.

REINFORCEMENT SHALL CONFORM TO A.S.T.M. A615 GR. 60. HORIZONTAL HOOP AND VERTICAL RINGWALL BARS SHALL BE LAP SPLICED 30" MINIMUM. SPLICES NEED NOT BE STAGGERED.

CONSTRUCTION JOINTS SHALL BE ROUGHENED ACROSS ENTIRE FACE WITH 1/4" MINIMUM DEPTH INDENTATIONS.

ANCHOR BOLTS, ANCHOR BARS, D.I. BASE ELBOW AND VERTICAL STEEL PIPE TO BE FURNISHED BY CALDWELL TANKS, INC. AND INSTALLED BY FOUNDATION SUBCONTRACTOR. ALL OTHER FOUNDATION MATERIAL TO BE FURNISHED AND INSTALLED BY FOUNDATION SUBCONTRACTOR.

THE TOP OF RINGWALL SHALL BE LEVEL WITHIN (±) 1/8" IN 30 FEET WITH A MAXIMUM DIFFERENTIAL OF (±) 1/4" BETWEEN ANY TWO POINTS ON THE CIRCUMFERENCE.

ANCHOR BOLTS SHALL BE PLACED WITHIN 1/8" OF THE PLAN DIMENSIONS, BE PLUMB WITHIN 1/4" IN 12" AND EXTEND ABOVE THE TOP OF FOUNDATION TO WITHIN 1/2" (±) OF THE SPECIFIED PROJECTION.

THE FOUNDATION WAS DESIGNED PER THE PROJECT SOILS REPORT PREPARED BY GEOTECHNICS, INC. THE NET ALLOWABLE SOIL BEARING = 8,000 PSF (DL+WL+SL+WINDL); = 10,667 PSF. (DL+WL+EQL).

FOUNDATION QUANTITIES:

| RING FOUNDATION | CONCRETE FLOOR, ERECTION MAST FOOTING AND WALKWAY |
|---|---|
| CONCRETE ---- 151 CU. YDS. | CONCRETE --- 25 CU. YDS. |
| REINFORCEMENT --- 13,900 LBS. | REINFORCEMENT --- 900 LBS. |

COMMONWEALTH OF VIRGINIA
CHARLES W. BEELER
No. 15585
5/27/98
PROFESSIONAL ENGINEER

| REV. | BY: | DATE | REMARKS |
|---|---|---|---|
| B | GAB | 5-28 | AS NOTED |
| A | GAB | 5-27 | OVERHEAD DOOR ORIENTATION |

CALDWELL TANKS, INC.
LOUISVILLE, KY. 40219

1,000,000 GALLON FLUTED COLUMN
BOTETOURT COUNTY, VIRGINIA

BY: BAW / TB
DATE: 4-98
TITLE: RING FOUNDATION
DRAWING NO.: E-4291 F1 OF 4