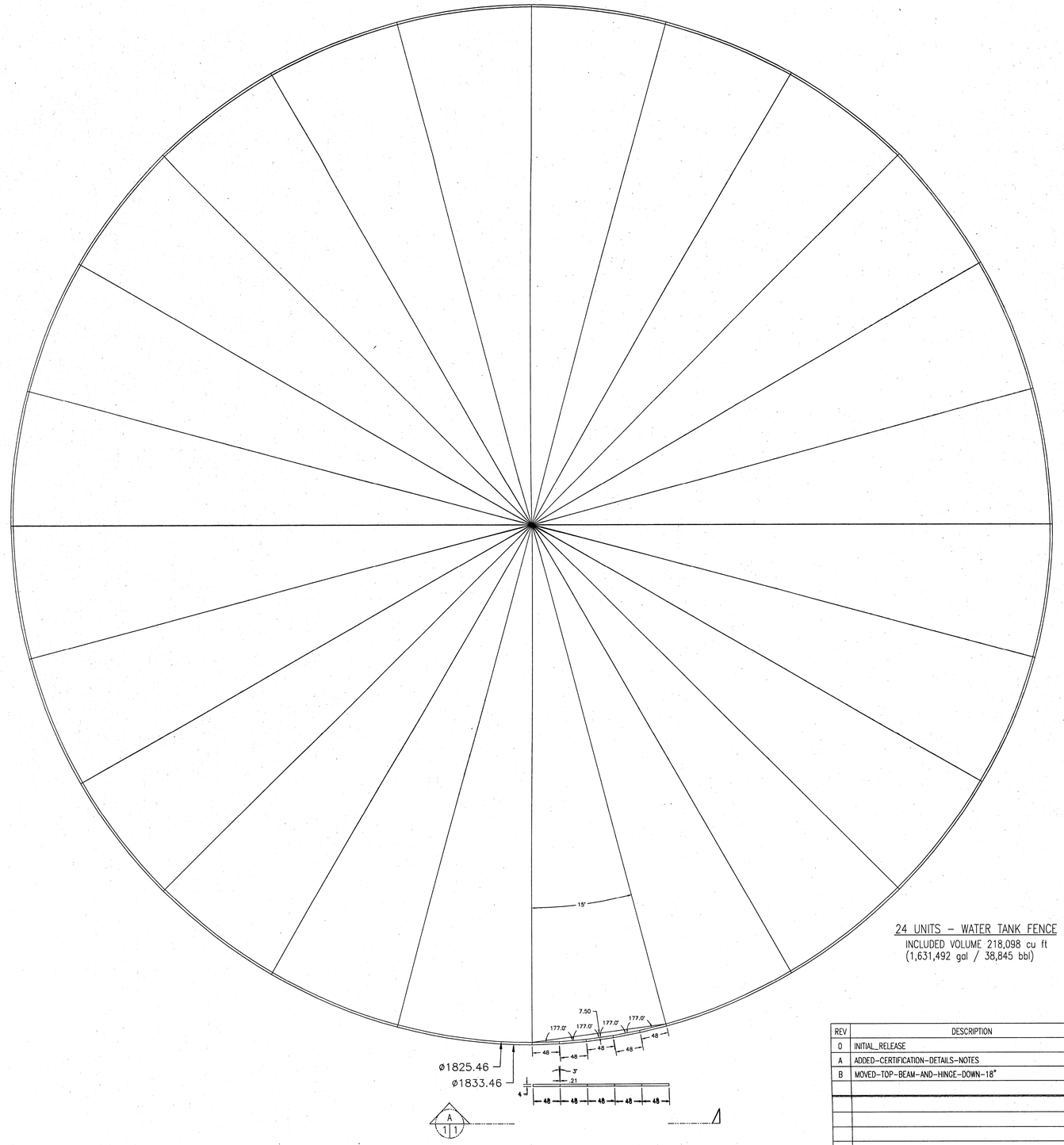
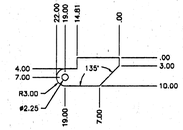


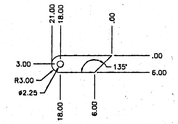
24 UNITS – WATER TANK FENCE

INCLUDED VOLUME 218,098 cu ft
(1,631,492 gal / 38,845 bbl)

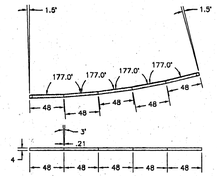


WIDE HINGE DETAIL
4X SCALE

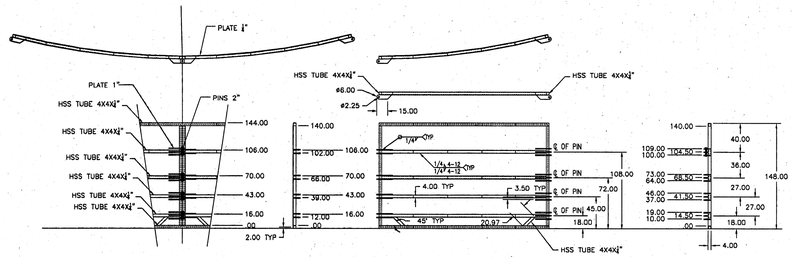
HINGE PIN
4X SCALE



NARROW HINGE DETAIL
4X SCALE



TOP VIEW DETAIL OF TUBE



SECTION A 1 1

DESIGN NOTES

1. ALL STRUCTURAL STEEL SHALL BE DESIGNED, DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS, AISC CODE OF STANDARD PRACTICE AND AISC MANUAL OF STEEL CONSTRUCTION.
2. STRUCTURAL STEEL SHALL BE AS FOLLOWS:
   HSS TUBES – A500, GRABE B
   PLATES – A36
   PINS – AISI 4140
3. ALL WELDING ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING SHALL CONFORM TO AWS D1.1. USE E70XX SERIES ELECTRODES.
4. GROUND SHALL BE COMPACTED TO 95% (MODIFIED PROCTOR) AND LEVELED.
5. ALL EXPOSED METAL TO BE COATED TO PREVENT RUSTING.

5/16/11
COLORADO REGISTERED PETER SOPHER 31899 PROFESSIONAL ENGINEER

BEHRENT ENGINEERING COMPANY
11455 W. I-70, N. Frontage Road
Wheat Ridge, CO 80033-2101
Phone # (303) 940-6368

REV	DESCRIPTION	BY/DATE	APVD/DATE
0	INITIAL_RELEASE	DRB_28APR2011	DRB_28APR2011
A	ADDED-CERTIFICATION-DETAILS-NOTES	DRB_14MAY2011	DRB_15MAY2011
B	MOVED-TOP-BEAM-AND-HINGE-DOWN-18"	DRB_16MAY2011	DRB_16MAY2011

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NAME	DATE
DRN: DRB	28APR2011
CHK:	
APVD:	

UNLESS OTHERWISE SPECIFIED
MATERIAL:

TOLERANCE ± mm (INCHES)
.XX
.XXX
.XXXX
ANGLES:

FINISH
FRACTIONS FRACT

C&H EXCAVATION — AULT, CO U.S.A.

PROJECT– WATER TANK FENCE

SECTION TITLE– ASSEMBLIES
1825.46"-DIAMETER-WATER-TANK
24UNITS-STEEL-CONSTRUCTION

CAD: C&HEXCAVATIONWATERTANKFENCER6B | SCALE: 1:100 | SHT 1 OF 1

DWG NO: C&H-EXCAVATION-WATER-TANK-FENCE | REV B