



PAINT AREAS (SQUARE FEET): INT WET = 10875
 PAINT AREAS (SQUARE FEET): INT DRY = 710
 PAINT AREAS (SQUARE FEET): EXTERIOR = 9300

PHOENIX FABRICATORS & ERECTORS

1329 HWY 41 NORTH
 P.O BOX 40

SEBREE, KENTUCKY 42455

TEL (270) 835-2600 FAX (270) 835-9996

PROJECT

RICHLAND, PA

DETAIL

500M GALLON COMPOSITE GENERAL ARRANGEMENT

DATE

08/11/2025

SCALE

NO SCALE

DWG #

0153



CET Quantities

Bid No.: 2025-0153
Location: Richland, PA
8/11/2025

Foundation

Concrete	53.6 cy	5000 psi Incl. Floor & Crane Base
Rebar	3.0 tons	Incl. Floor & Crane Base

Piles

Micropiles	13.07 cy	5000 psi
Rebar	tons	

Mezzanine Quantities ☐

Support Shaft Quantities

Concrete	240.0 cy	5000 psi
Rebar	11.2 tons	

Elevated Corbel Quantities

Concrete	40.0 cy	5000 psi
Rebar	4.0 tons	

CA 10%

500M GAL (36.5' HR) CONTAINER PLATE ORDER

Volume 500 Mgal

HR: 36.5 Ft

Shaft 24 Ft

Job No.: 0153

Phoenix Engineer: JS

Owner:

Drawn/Check:

Location: Richland, PA

Date: 8/11/2025

Code: 500M-36.5

Purchase Restriction:**Buy America**

	COMPONENT	QUAN.	THICK. (IN)	WIDTH (IN)	LENGTH (IN)	MATL.	WT. (LBS)
1	Shell #1	8	0.4375	84	247	A36	20592
2	Shell #2	8	0.3438	120	247	A36	23120
3	Shell #3	8	0.3438	120	247	A36	23120
4							
5	Upper Cone #1	8	0.75	96	233	A36	38064
6	Upper Cone #2	8	0.625	120	232	A36	39480
7							
8							
9							
10							
11	Roof Fingers	12	0.25	96	275	A36	22464
12	Floor 3, 4, 5, 6	4	0.25	96	155	A36	4220
13	Floor 1, 2, 7, 8	2	0.25	96	125	A36	1702
14	Roof Cone #2 & Misc	1	0.25	96	223	A36	1518
15	Vertical Dome Form & Closure PL	1	0.25	96	194	A36	1321
16	Vertical Pan	1	0.25	72	164	A36	838
17	Roof Cone #1	1	0.375	96	240	A36	2450
18	Annular Ring Gussets	1	0.375	84	85	A36	760
19	Cast In Ring & Access Tube Cap	1	0.5	96	193	A36	2627
20	Shell Ring	1	0.5	96	246	A36	3349
21	Roof Stiffeners	2	0.75	96	230	A36	9392
22	Setting Ring & Corbel Ann Ring	1	0.5	96	157	A36	2137
23	Annular Rings	2	0.5	120	125	A36	4254
24	Cast In Ring	1	1	72	150	A36	3063
25	Cone Bar & Tank Setting Plates	1	1.25	96	96	A36	3267
26	Access Tube S #1 & #7	1	0.5	120	190	A36	3233
27	Access Tube S #2 thru #6	5	0.375	96	190	A36	9700
28	Miscellaneous Small Parts	1	0.25	96	240	A36	1634
29							
30							
31							
32							
33							
34							

CONTAINER PLATE TOTAL: 231198 lbs