



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

PROJECT

RICHLAND, PA

PHOENIX FABRICATORS & ERECTORS
 1329 HWY 41 NORTH
 P.O BOX 40
 SEBREE, KENTUCKY 42455
 TEL (270) 835-2600 FAX (270) 835-9996

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