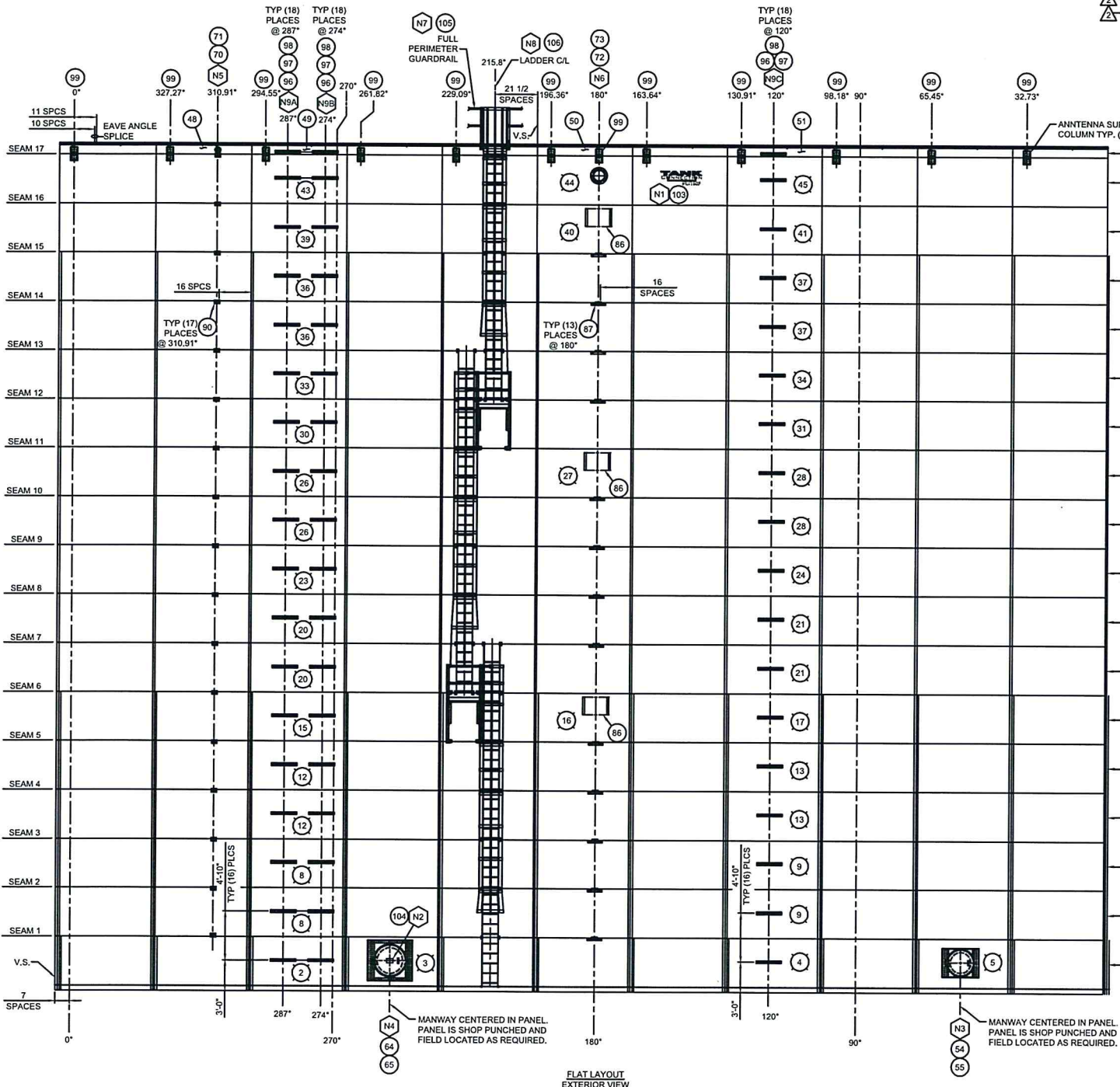


ACCESSORY HARDWARE		
LOCATION	DESCRIPTION	QTY
24" MANWAY REPAD BOLTS	1/2" X 1 3/4" PC FN BOLT	142
30" MANWAY REPAD BOLTS	1/2" X 1 3/4" PC FN BOLT	226
NOZZLE SPOOL BOLTS	1/2" X 1 1/2" PC FN BOLT	32
PIPE SUPPORT BOLTS SEAMS 1 & 2	1/2" X 2" PC FN BOLT	18
PIPE SUPPORT BOLTS SEAMS 3 TO 7	1/2" X 1 3/4" PC FN BOLT	42
PIPE SUPPORT BOLTS SEAMS 8 TO 17	1/2" X 1 1/2" PC FN BOLT	69
CABLE LADDER BRACKETS	1/2" X 1 1/2" PC FN BOLT	108
ANTENNA SUPPORT COLUMNS	1/2" X 1 1/2" PC FN BOLT	144
ACCESSORY WASHERS	1/2" FLAT WASHER	742
ACCESSORY NUTS	1/2" HEX NUT	742
NUT COVERS (COBALT BLUE)	1/2" NUT COVER	742
ACCESSORY SEALANT	MANUS (TUBES)	7
NUT CAP SEALANT	MANUS (TUBES)	15

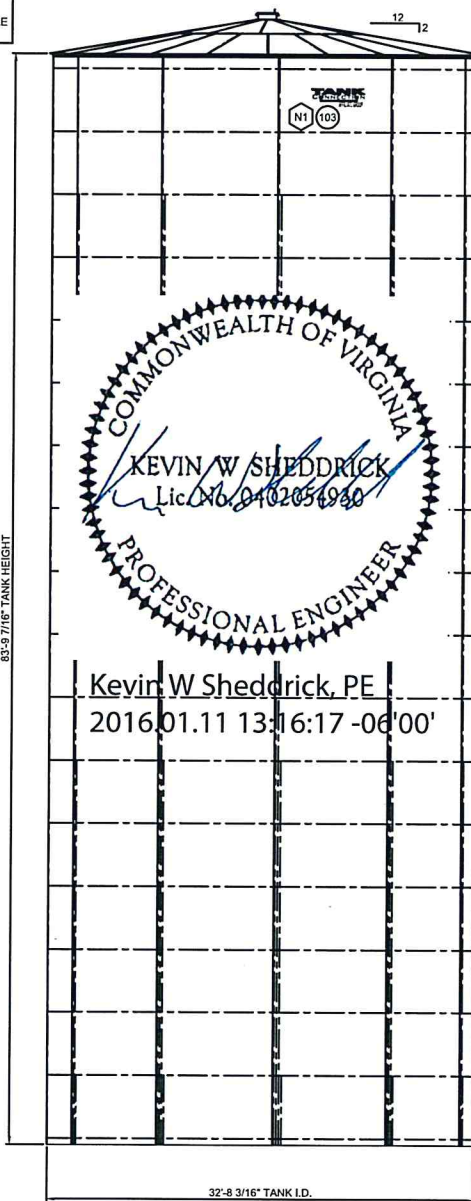
ACCESSORY ORIENTATION CHART					
APPROVAL ITEM	ITEM	SERVICE	SIZE	REF DEGREE	RADIUS
N1	103	TANK CONNECTION LOGO	STD	**	SHELL
N2	104	NAMEPLATE	STD	**	-
N3	54/55	SHELL MANWAY WINGED COVER	24"	*	SHELL
N4	64/65	SHELL MANWAY WINGED COVER	30"	*	SHELL
N5	70/71	150# RFSO DOUBLE FLANGE NOZZLE (AERATION SPRAY)	2"	310.91"	SHELL
N6	72/73	OVERFLOW ASSEMBLY W/ DOWNPIPE	12"	180"	SHELL
N7	105	FULL PERIMETER GUARDRAIL	STD	215.8"	-
N8	106	EXTERIOR LADDER ASSEMBLY W/ REST PLATFORMS	STD	215.8"	SHELL
N9A	96/97	CABLE LADDER BRACKET (QTY 18)	STD	287"	SHELL
N9B	96/97	CABLE LADDER BRACKET (QTY 18)	STD	274"	SHELL
N9C	96/97	CABLE LADDER BRACKET (QTY 17)	STD	120"	SHELL
-	90	PIPE SUPPORT BRACKET (QTY 17)	2"	310.91"	SHELL

* FIELD LOCATE SHOP PUNCHED PANEL
** FIELD LOCATE



ROLL PANELS TO 32'-8 3/16" I.D.

NUT COVERS ON ALL EXTERIOR NUTS ABOVE CONCRETE
FILL NUT COVERS HALF FULL OF SEALANT BEFORE INSTALLING



- 47 TYP (7) PLACES
- 42 TYP (9) PLACES
- 38 TYP (9) PLACES
- 35 TYP (9) PLACES
- 35 TYP (9) PLACES
- 32 TYP (9) PLACES
- 29 TYP (9) PLACES
- 25 TYP (8) PLACES
- 25 TYP (9) PLACES
- 22 TYP (9) PLACES
- 19 TYP (9) PLACES
- 19 TYP (9) PLACES
- 14 TYP (8) PLACES
- 11 TYP (9) PLACES
- 11 TYP (9) PLACES
- 7 TYP (9) PLACES
- 7 TYP (9) PLACES
- 1 TYP (7) PLACES

ITEM NO.	PART NO.	QTY	DESCRIPTION	MAT'L GR.	EST. WT.	PAINT	CODE
1	BP258431311	7	MID PANEL 3/8PL 4RV PLAIN	GR50	771	I/E	-
2	5286001002	1	MID PANEL 3/8PL 4RV W/BRKT PCHG	GR50	771	I/E	-
3	5286001003	1	MID PANEL 3/8PL 4RV W/30" MANWAY PCHG	GR50	666	I/E	-
4	5286001004	1	MID PANEL 3/8PL 4RV W/BRKT PCHG	GR50	771	I/E	-
5	5286001005	1	MID PANEL 3/8PL 4RV W/24" MANWAY PCHG	GR50	702	I/E	-
6							
7	BP258331311	18	MID PANEL 3/8PL 3RV PLAIN	GR50	758	I/E	-
8	5286001008	2	MID PANEL 3/8PL 3RV W/BRKT PCHG	GR50	758	I/E	-
9	5286001009	2	MID PANEL 3/8PL 3RV W/BRKT PCHG	GR50	758	I/E	-
10							
11	BP258331311	18	MID PANEL 5/16PL 3RV PLAIN	GR50	632	I/E	-
12	5286001012	2	MID PANEL 5/16PL 3RV W/BRKT PCHG	GR50	632	I/E	-
13	5286001013	2	MID PANEL 5/16PL 3RV W/BRKT PCHG	GR50	632	I/E	-
14	BP4358321311	8	MID PANEL 1/4"PL 3RV PLAIN	GR60	506	I/E	-
15	5286001015	1	MID PANEL 1/4"PL 3RV W/BRKT PCHG	GR60	506	I/E	-
16	5286001016	1	MID PANEL 1/4"PL 3RV W/BRKT PCHG	GR60	506	I/E	-
17	5286001017	1	MID PANEL 1/4"PL 3RV W/BRKT PCHG	GR60	506	I/E	-
18							
19	BP4258221311	18	MID PANEL 1/4"PL 2RV PLAIN	GR50	496	I/E	-
20	5286001020	2	MID PANEL 1/4"PL 2RV W/BRKT PCHG	GR50	496	I/E	-
21	5286001021	2	MID PANEL 1/4"PL 2RV W/BRKT PCHG	GR50	496	I/E	-
22	BP3358221311	9	MID PANEL 3/16"PL 2RV PLAIN	GR60	372	I/E	-
23	5286001023	1	MID PANEL 3/16"PL 2RV W/BRKT PCHG	GR60	372	I/E	-
24	5286001024	1	MID PANEL 3/16"PL 2RV W/BRKT PCHG	GR60	372	I/E	-
25	BP3358221311	17	MID PANEL 3/16"PL 2RV PLAIN	GR50	372	I/E	-
26	5286001026	2	MID PANEL 3/16"PL 2RV W/BRKT PCHG	GR50	372	I/E	-
27	5286001027	1	MID PANEL 3/16"PL 2RV W/BRKT PCHG	GR50	372	I/E	-
28	5286001028	2	MID PANEL 3/16"PL 2RV W/BRKT PCHG	GR50	372	I/E	-
29	BPB158221311	9	MID PANEL 8GA 2RV PLAIN	GR40	325	I/E	-
30	5286001030	1	MID PANEL 8GA 2RV W/BRKT PCHG	GR40	325	I/E	-
31	5286001031	1	MID PANEL 8GA 2RV W/BRKT PCHG	GR40	325	I/E	-
32	BP15821311	9	MID PANEL 8GA 2RV PLAIN	GR40	296	I/E	-
33	5286001033	1	MID PANEL 8GA 2RV W/BRKT PCHG	GR40	296	I/E	-
34	5286001034	1	MID PANEL 8GA 2RV W/BRKT PCHG	GR40	296	I/E	-
35	BP215821311	18	MID PANEL 10GA 2RV PLAIN	GR40	267	I/E	-
36	5286001036	2	MID PANEL 10GA 2RV W/BRKT PCHG	GR40	267	I/E	-
37	5286001037	2	MID PANEL 10GA 2RV W/BRKT PCHG	GR40	267	I/E	-
38	BP215811311	8	MID PANEL 10GA 1RV PLAIN	GR40	261	I/E	-
39	5286001039	1	MID PANEL 10GA 1RV W/BRKT PCHG	GR40	261	I/E	-
40	5286001040	1	MID PANEL 10GA 1RV W/BRKT PCHG	GR40	261	I/E	-
41	5286001041	1	MID PANEL 10GA 1RV W/BRKT PCHG	GR40	261	I/E	-
42	5286001042	8	MID PANEL 10GA 1RV W/ICOLUMN PCHG	GR40	261	I/E	-
43	5286001043	1	MID PANEL 10GA 1RV W/MISC PCHG	GR40	261	I/E	-
44	5286001044	1	MID PANEL 10GA 1RV W/MISC PCHG	GR40	256	I/E	-
45	5286001045	1	MID PANEL 10GA 1RV W/MISC PCHG	GR40	261	I/E	-
46							
47	5286001047	7	TOP PANEL 10GA 1RV W/MISC PCHG	GR40	58	I/E	-
48	5286001048	1	TOP PANEL 10GA 1RV W/MISC PCHG	GR40	58	I/E	-
49	5286001049	1	TOP PANEL 10GA 1RV W/MISC PCHG	GR40	58	I/E	-
50	5286001050	1	TOP PANEL 10GA 1RV W/MISC PCHG	GR40	58	I/E	-
51	5286001051	1	TOP PANEL 10GA 1RV W/MISC PCHG	GR40	58	I/E	-
52							
53							
54	SM243234475	1	BOLT-ON SHELL MANWAY 24" DIA 4RV	GR.70	256	I/E	-
55	MWCV75024	1	MANWAY COVER 3/4"PL 24" DIA	A36	185	I/E	-
56	MWGSKTE2428	1	MANWAY GASKET 24"	EPDM	1	N	-
57	BLTHG07502750	29	3/4" X 2 3/4" HX HD BOLT HDG	A325	-	N	-
58	BLTHG07503000	45	3/4" X 3" HX HD BOLT HDG	A325	-	N	-
59	WSHFG0750	77	3/4" FLAT WASHER HDG	F436	-	N	-
60	NUTHG0750	77	3/4" HEX NUT HDG	A325	-	N	-
61	BLTHG05008500	1	1/2" X 8 1/2" HX HD BOLT HDG	GR.5	-	N	-
62	WSHFG0500	149	1/2" FLAT WASHER HDG	S.A.E.	-	N	-
63	NUTHG0500	123	1/2" HEX NUT HDG	GR.5	-	N	-
64	SM303234476	1	BOLT-ON SHELL MANWAY 30" DIA 4RV	GR70	422	I/E	-
65	MWCV87530	1	MANWAY COVER 7/8"PL 30" DIA	A36	301	I/E	-
66	70094008	1	MANWAY GASKET 30"	EPDM	1	N	-
67	BLTHG075033250	4	3/4" X 3 1/4" HX HD BOLT HDG	A325	-	N	-
68	BLTHG05001000	1	1/2" X 10" HX HD BOLT HDG	GR.5	-	N	-
69							
70	BNR15002	1	2" 150# RFSO FLANGED NOZZLE	A304	10	I/E	-
71	BNR15002	1	2" 150# RFSO FLANGED NOZZLE	A304	10	I	-
72	5286001072	1	WIER ELBOW ASSEMBLY	A53-GRB	170	I	-
73	BNS12R2310	1	12" OVERFLOW SPOOL 6" LG.	A53-GRB	36	I/E	-
74	FT1210058	1	12" UPPER OVERFLOW ASSEMBLY	A53-GRB	166	E	-
75	FM1210116	7	12" MID OVERFLOW ASSEMBLY	A53-GRB	257	E	-
76	5286001076	1	LOWER OVERFLOW ASSEMBLY	A53 GRB	337	E	-
77	EGSF1200	11	12" SPOOL GASKET	EPDM	1	N	-
78	5286001078	1	14 1/2" O.D. SS SCREEN (1/2" MESH)	SS304	-	N	-
79	SF1200	1	12" SPOOL FLANGE 1/4"PL	A36	12	E	-
80	BLTSQJS105001500	264	BOLT 1/2" X 1 1/2" SQ HD JS1000	GR8	-	N	-
81	BLTFJSC105001500	387	1/2" X 1 1/2" PC FN JS 1000 BOLT	GR8	-	N	-
82	BLTFJSC105001750	450	1/2" X 1 3/4" PC FN JS 1000 BOLT	GR8	-	N	-
83	BLTFJSC105002000	19	1/2" X 2" PC FN JS 1000 BOLT	GR8	-	N	-
84	WSHFJS10500F436	1120	1/2" FLAT WASHER JS1000	F436	-	N	-
85	NUTHJS10500	1120	1/2" HEX NUT JS1000	GR5	-	N	-
86	KBAS286001-01	3	12" PIPE SUPPORT KNEE BRACE ASSY	A36	86	-	-
87	PSBC12	13	EXTERIOR 12" PIPE BRACKET	A36	9	Z	-
88	UBLTPG1275	13	U-BOLT WINUTS FOR 12" PIPE GALV	-	-	N	-
89	WSHFG0875	29	7/8" FLAT WASHER HDG	F436	-	N	-
90	PSBC02	17	EXTERIOR 2" PIPE BRACKET	A36	7	Z	-
91	UBLTPG2375	17	U-BOLT WINUTS FOR 2" PIPE GALV	-	-	N	-
92	WSHFG0375	37	3/8" FLAT WASHER HDG	-	-	N	-
93							
94	UBLTPG8625	13	U-BOLT WINUTS FOR 8" PIPE GALV	-	-	N	-
95							

TOTAL WT: 108,178		PARENT: ---						
DO NOT SCALE DRAWING INCHES ANSI/ASME Y14.1 STANDARDS		TOLERANCES UNLESS OTHERWISE NOTED						
 3RD ANGLE PROJECTION		ANGULAR DEVIATION		PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES				
		X = ±1.0° / X.X = ±0.5°		0 - 4"	4" - 48"	48" - 130"	130" - 240"	240"+
		LINEAR TOLERANCE:		1/32"	1/16"	5/32"	1/8"	3/16"
		HOLE TO HOLE TOLERANCE:		1/32"	1/32"	1/32"	1/16"	1/16"

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REV	REVISION DESCRIPTION	DATE	DRAWN BY	CHECKED BY
2	ADDED 8" BRACKETS	12/11/2015	CAS	JOB
1	ADDED ITEMS 113 - 119	11/4/2015	DWN	CAS
0	RELEASED FOR FABRICATION	11/2/2015	DWN	CAS

CUSTOMER NAME: FSRC
PROJECT NAME: BURNT CHIMNEY WATER
PROJECT LOCATION: WIRTZ, VA

CERTIFIED: APPROVED FOR CONSTRUCTION
MAIN ASSEMBLY DRAWING
032'-8 3/16" X 83'-9 7/16" HT.
BOLTED STEEL TANK
PROJ # 05286 JOB # 001
DWG # BCL0321035286001

SAFETY / OPERATIONAL NOTES

- 1. Tank is designed for loads induced from a liquid product.
- 2. Do not field cut openings in tank without written consent from Tank Connection.
- 3. Customer is responsible for providing proper bracing of their equipment attaching to any part of the tank.
- 4. Tank foundation shall be level within 1/8" in any 30' circumference under the tank shell. Levelness on circumference shall not vary more than ¼" from any established plane. Tank padding to be used on concrete foundations. Vapor barrier to be used on gravel and sand foundations.
- 5. If anchor bolts are not provided by Tank Connection, adequate anchoring necessary to resist all wind and seismic loads is the responsibility of the customer.
- 6. Application of loads to tank from equipment, other than those noted on the project drawings, must be approved in writing by Tank Connection prior to installation.
- 7. Tank is designed for atmospheric (equalized) pressure internally and externally. Customer to assure proper ventilation is provided and maintained.

INSTALLATION NOTES

- 1. Use only hardware furnished with tank. All bolts must meet special high strength requirements.
- 2. Install tank segments in a counter-clockwise direction when working from top down. Install tank segments in a clockwise direction when working from bottom up.
- 3. Tank shall be adequately braced during installation to prevent wind damage.
- 4. Tank and deck panels may be oriented to suit unless special orientation is required.
- 5. When encapsulated bolts are required, they shall be used in the stored liquid zone only.
- 6. Installation contractor shall coordinate touch-up coating procedures. Contractor to follow manufacturer's label instructions.
- 7. Adequate blocking shall be used to protect bolted panels if removed from shipping pallets prior to field installation.
- 8. All bolted connections to be min. snug tight unless noted otherwise.

DESIGN CRITERIA

Design Code	AWWA D103-09
Roof Live Load	25 pounds per square foot
Wind Design / Conditions	AWWA D103-09, 100 miles per hour, Exp. C, I=1.15
Seismic Design / Conditions	AWWA D103-09, Ss=26.3%, S1=12.0%, I=1.5, Site Class=D, Group=3
Design Pressure / Vacuum	+2.0 oz/in^2 / -0.5 oz/in^2
Operating Pressure / Vacuum	Atmospheric
Product Stored	Potable Water
Specific Gravity	1.0
Product pH Range	4 to 9 Assumed
Operating Temperature of Stored Material	Ambient

TANK CONSTRUCTED OF ASTM CERTIFIED SHEET, PLATE, AND STRUCTURAL MEMBERS
ALL BOTTOM, ROOF SHEET AND SHELL BOLTS ARE GRADE 8 (150KSI)

COATINGS

TANK LOCATION	COATING	NOMINAL MILS	AVERAGE MILS
Interior Primer	Fusion 7000 FBE	6 mils DFT	6 - 9 mils DFT
Both Sides of Flat Bottom	Fusion 7000 FBE	6 mils DFT	6 - 9 mils DFT
Exterior Primer	EXT Fusion 5000 FBE	3 mils DFT	3 - 5 mils DFT
Exterior Topcoat	EXT Fusion SDP	3 mils DFT	3 - 5 mils DFT
Exterior Color	Cobalt Blue RAL5022		

NOTE: All coatings are applied over an SP10 surface blast and fused to substrate surface

SEALANT / GASKET

Sealant	Manus Bond Mastic	Black
Gasket	EPDM Synthetic Rubber	White

MATERIAL SPECIFICATION

Sheet	ASTM A1011 Grade 40
Plate (standard)	ASTM A1011 Grade 36
Plate (high strength)	ASTM A1011 Grades 50, 60, 70
Structural Shapes (angle / channel)	ASTM A36
Structural Shapes (w-shapes)	ASTM A992
Carbon Steel Pipe / Tube	ASTM A53 Grade B
Carbon Steel Structural Pipe / Tube	ASTM A500 Grade B
Carbon Steel Bolts (standard)	SAE Grade 5 ASTM A325
Carbon Steel Bolts (high strength)	SAE Grade 8
Anchor Bolts	ASTM F1554 Grade 36, 105



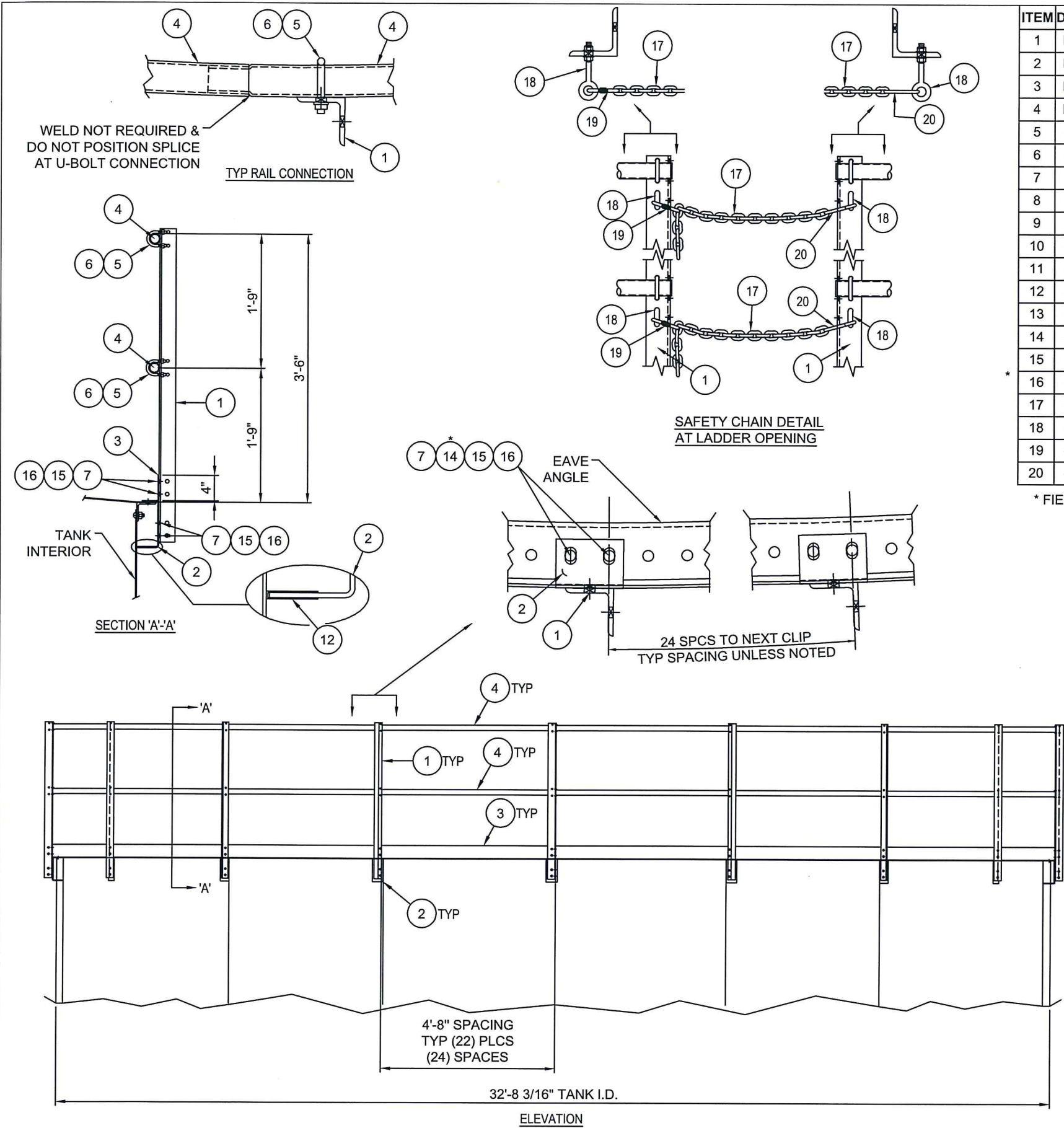
Kevin W Sheddric, PE
2016.01.11 13:16:36 -06'00'



NAMEPLATE IS CONSTRUCTED OF CORROSION RESISTANT
PLASTIC AND MOUNTED TO THE TANK USING INDUSTRIAL
STRENGTH DOUBLE SIDED TAPE

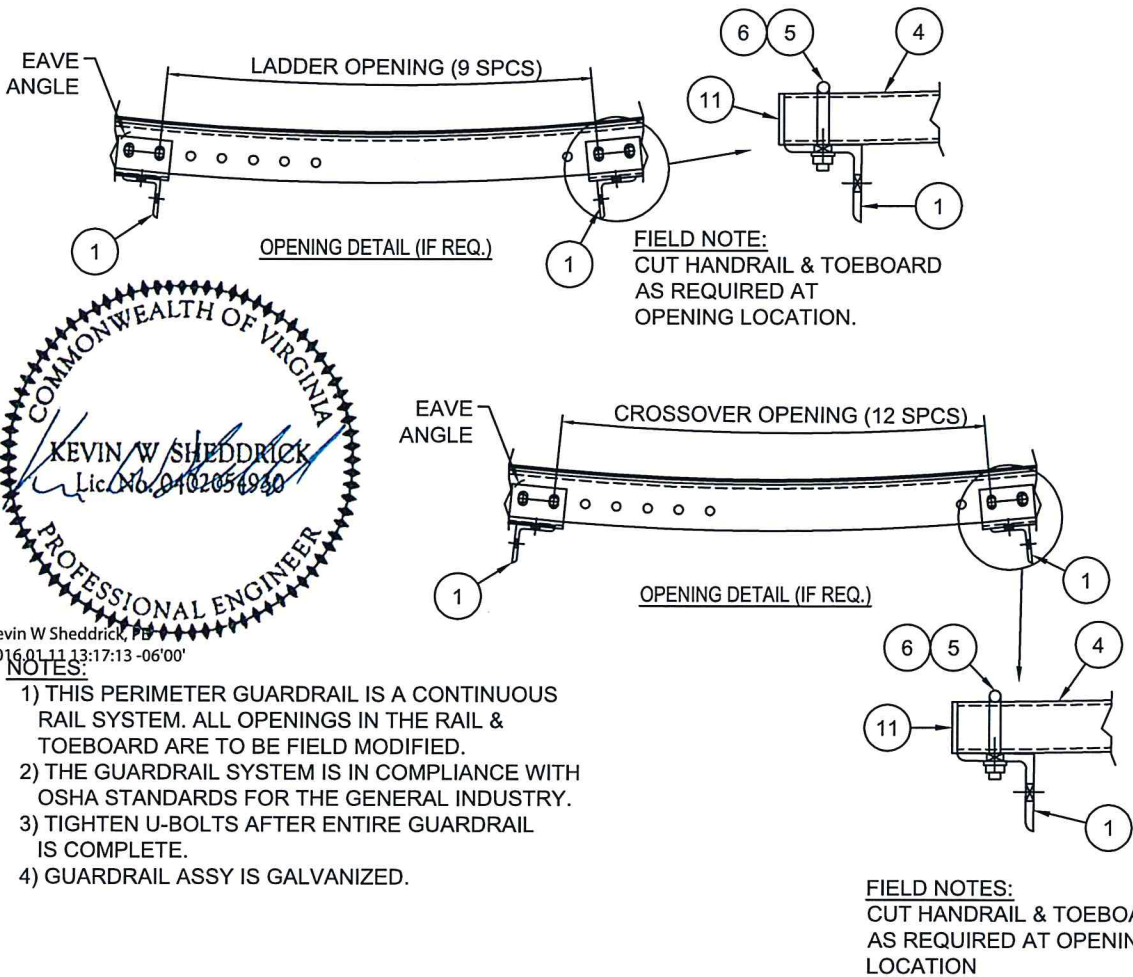
NAMEPLATE DETAIL

TOTAL WT:		PARENT: ---						THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK MANUFACTURER AND/OR ITS AFFILIATES. ANY OTHER USE, RETENTION, DISSEMINATION, FORWARDING, PRINTING OR COPYING OF THIS DOCUMENT TO UNAUTHORIZED PARTIES IS STRICTLY PROHIBITED, WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK MANUFACTURER. TANK CONNECTION AFFILIATE GROUP 3609 NORTH 16TH ST. • PARSONS, KANSAS 67357 620.423.3010 • FAX: 620.423.3999							CERTIFIED: APPROVED FOR CONSTRUCTION				
DO NOT SCALE DRAWING IN INCHES ANSI/ASME Y14.1 STANDARDS		TOLERANCES UNLESS OTHERWISE NOTED								NAMEPLATE & DESIGN NOTES		PROJ #	05286	JOB #	001				
		ANGULAR DEVIATION		PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES															
		X = ±1.0° / X.X = ±0.5°		0 - 4"	4" - 48"	48" - 130"	130" - 240"									240"+			
		 3RD ANGLE PROJECTION		LINEAR TOLERANCE:		1/32"	1/16"			5/32"	1/8"	3/16"	BOLTED LIQUID		DWG #	NMPLT5286001			
HOLE TO HOLE TOLERANCE:				1/32"	1/32"	1/32"	1/16"	1/16"											
									0	RELEASED FOR FABRICATION	11/3/2015	DWM	CAS	AWWA D103-09					
									REV	REVISION DESCRIPTION	DATE	DRAWN BY	CHECKED BY	DWG SIZE: B	SCALE: NTS				



ITEM	D/S	PART NO.	QTY	DESCRIPTION	MAT'L. GR.	EST. WT.	PAINT
1	B	053-096	26	HANDRAIL POST 2 1/2" X 2 1/2" X 1/4"	A36	17	Z
2	B	GRC7009401	26	HANDRAIL CLIP 3/16PL	A36	3	Z
3	B	TBC572	22	TOEBOARD 10GA X 4"	A36	9	Z
4	B	32GRP	22	HANDRAIL 1.66" O.D. X .072 WALL PIPE GALV	-	12	N
5	-	UBLTPG1250	54	U-BOLT FOR 1 1/4" PIPE W/NUTS	-	-	N
6	-	WSHFG0375	119	3/8" FLAT WASHER GALV	-	-	N
7	-	BLTSQJS105001500	172	BOLT 1/2" X 1-1/2" SQ HD (JS1000 COATING)	GR8	-	N
8	-	---	-	---	-	-	-
9	-	---	-	---	-	-	-
10	-	---	-	---	-	-	-
11	-	CCF158	8	PIPE CAP 1 5/8" PLASTIC	-	-	N
12	-	EDGECLIP	26	EDGE CLIP	-	-	N
13	-	---	-	---	-	-	-
14	-	BLTSQJS105001750	58	BOLT 1/2" X 1-3/4" SQ HD (JS1000 COATING)	GR8	-	N
15	-	WSHFJS10500F436	172	1/2" FLAT WASHER JS1000	F436	-	N
16	-	NUTHJS10500	172	1/2" HEX NUT JS1000	GR5	-	N
17	-	CHNZ0312530	2	CHAIN SAFETY 5/16" X 30" LG ZINC PLTD	-	5	N
18	-	MC3016T33	4	EYE BOLT 3/8" X 3" LG X 3/4" W/DBL NUTS	-	-	N
19	-	CHREPLNKZ031251500	2	CHAIN REPAIR LINK 1 1/2" ZINC PLTD	-	-	N
20	-	MC3933T18	2	SPRING SNAP 5/8" OPENING 7/16" DIA.	-	-	N

* FIELD TO USE FOR 1/4PL DECKS OR HEAVIER



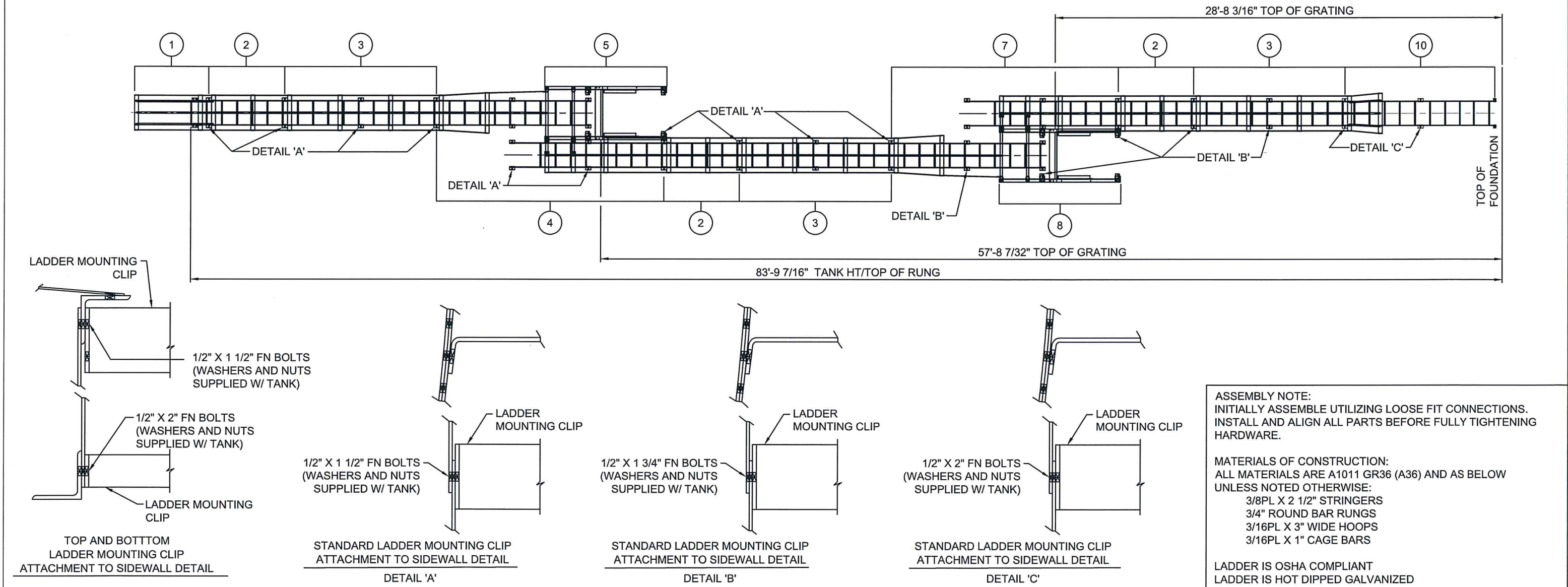
- NOTES:
- 1) THIS PERIMETER GUARDRAIL IS A CONTINUOUS RAIL SYSTEM. ALL OPENINGS IN THE RAIL & TOEBOARD ARE TO BE FIELD MODIFIED.
 - 2) THE GUARDRAIL SYSTEM IS IN COMPLIANCE WITH OSHA STANDARDS FOR THE GENERAL INDUSTRY.
 - 3) TIGHTEN U-BOLTS AFTER ENTIRE GUARDRAIL IS COMPLETE.
 - 4) GUARDRAIL ASSY IS GALVANIZED.

TOTAL WT: 992		PARENT: ---		THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK CONNECTION AND/OR ITS AFFILIATES. ANY OTHER USE, RETENTION, DISSEMINATION, FORWARDING, PRINTING OR COPYING OF THIS DOCUMENT TO UNAUTHORIZED PARTIES IS STRICTLY PROHIBITED. WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK CONNECTION. TANK CONNECTION AFFILIATE GROUP 3609 NORTH 16TH ST. • PARSONS, KANSAS 67357 620.423.3010 • FAX: 620.423.3999							CERTIFIED: APPROVED FOR CONSTRUCTION							
DO NOT SCALE DRAWING IN INCHES ANSI/ASME Y14.1 STANDARDS		TOLERANCES UNLESS OTHERWISE NOTED									FULL GUARDRAIL ASSEMBLY FOR 32FT DIA. TANK		PROJ #	---	JOB #	---		
 3RD ANGLE PROJECTION		ANGULAR DEVIATION	PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES				1	15 WAS GRADE SAE, UPDATE SFTY CHN DET	11/3/2015	DWM	CAS	DWG SIZE: B	SCALE: NTS	DWG #	GRDF32			
		X = ±1.0° / X.X = ±0.5°	0 - 4"			4" - 48"										48" - 130"	130" - 240"	240"+
		LINEAR TOLERANCE:	1/32"			1/16"										5/32"	1/8"	3/16"
HOLE TO HOLE TOLERANCE:		1/32"	1/32"	1/32"	1/16"	1/16"	0	COMPLETE REDRAW	4-9-2014	RDW	SAH							
						REV	REVISION DESCRIPTION		DATE	DRAWN BY	CHECKED BY							

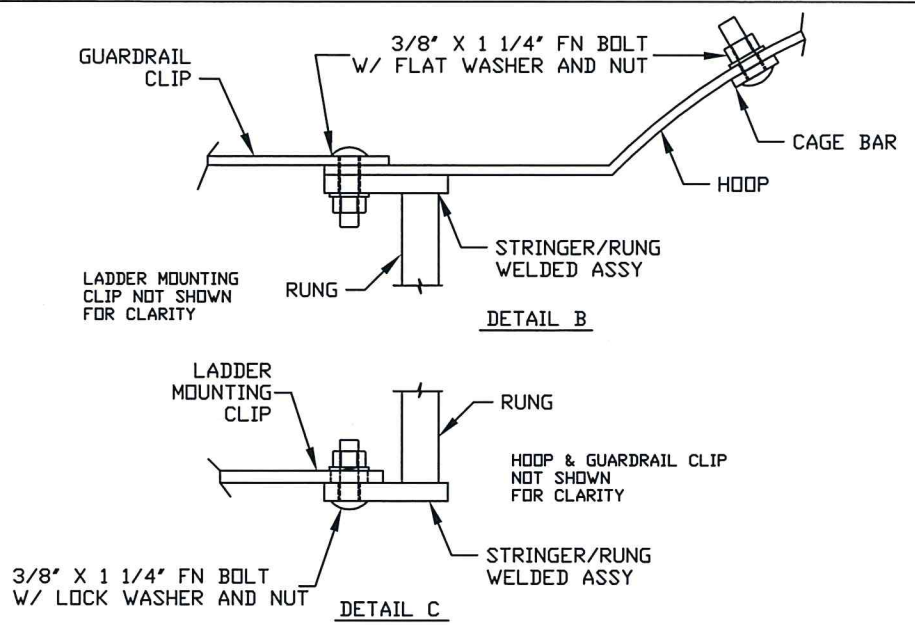
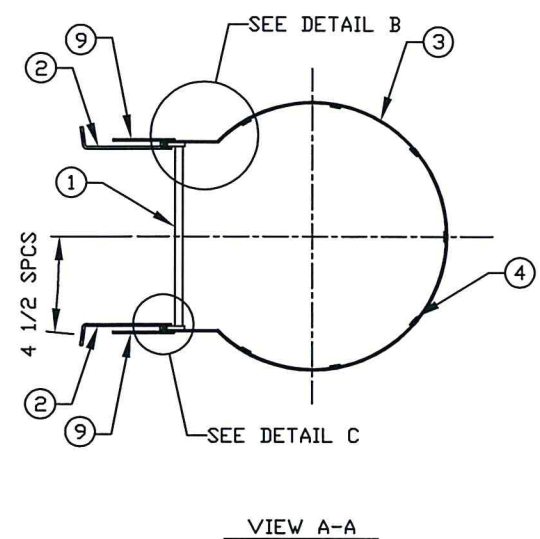


Kevin W Sheddric, PE
2016.01.11 13:17:27 -06'00'

ITEM	D/S	PART NO.	QTY	DESCRIPTION	MAT'L. GR.	EST. WT.	PAINT	CODE
1	B	LSA001	1	11.6" TOP SECTION ASSEMBLY	A36	89	Z	R
2	B	LSA006	3	58" MID SECTION ASSEMBLY	A36	91	Z	R
3	B	LSA007	3	116" MID SECTION ASSEMBLY	A36	172	Z	R
4	B	LSA010	1	UPPER & LOWER LADDER REST PLATFORM ASSY - RH	A36	275	Z	R
5	B	RHA001	1	REST PLATFORM ASSEMBLY - RH	A36	294	Z	R
6	B	RHA001SHT2	1	REST PLATFORM ASSEMBLY DETAILS-RH	-	-	-	R
7	B	LSA011	1	UPPER & LOWER LADDER REST PLATFORM ASSY - LH	A36	275	Z	R
8	B	LHA001	1	REST PLATFORM ASSEMBLY - LH	A36	294	Z	R
9	B	LHA001SHT2	1	REST PLATFORM ASSEMBLY DETAILS - LH	-	-	-	R
10	B	LSA008	1	STD RING LADDER ASSEMBLY	A36	133	Z	R
11	B	LKDRASSY	1	LADDER LOCKABLE DOOR ASSY - AL	-	-	-	R
12	-	BLTFJSC105001500	40	BOLT FN PC 1/2" X 1 1/2" JS1000	-	-	-	-
13	-	BLTFJSC105001750	24	BOLT FN PC 1/2" X 1 3/4" JS1000	-	-	-	-
14	-	5286001999	1	SAFETY CLIMB FOR 83'-9 7/16" HT TANK HDG	-	-	-	-
15	-	BLTFJSC105002000	7	BOLT FN PC 1/2" X 2" JS1000	-	-	-	-
16	-	BTNUTC5022	71	NUT COVER EXTERIOR COBALT BLUE (RAL 5022)	-	-	N	-

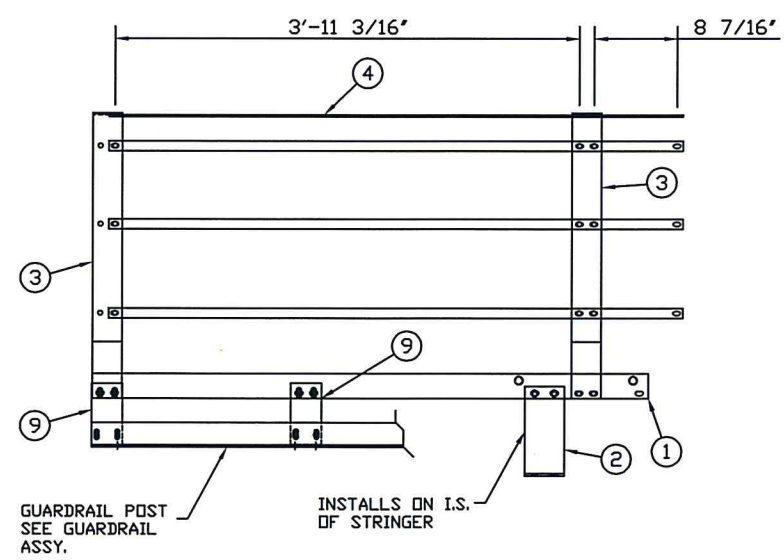
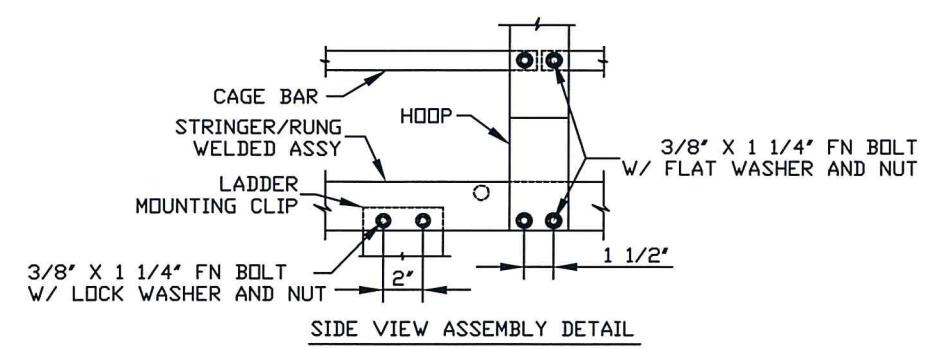
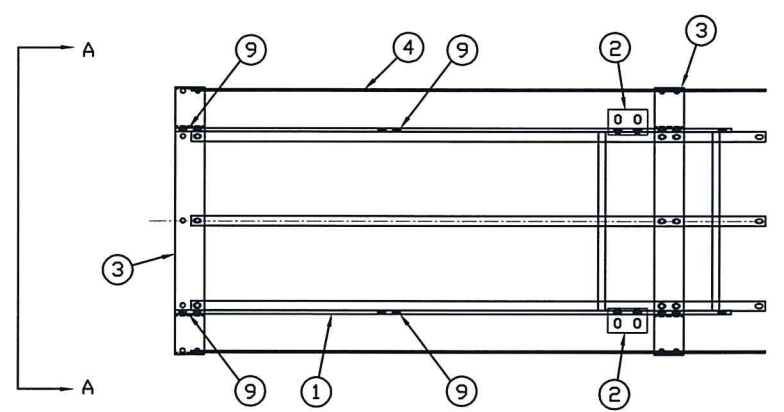


TOTAL WT: 2,149		PARENT: ---						THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK MANUFACTURER AND/OR ITS AFFILIATES. ANY OTHER USE, RETENTION, DISSEMINATION, FORWARDING, PRINTING OR COPYING OF THIS DOCUMENT TO UNAUTHORIZED PARTIES IS STRICTLY PROHIBITED, WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK MANUFACTURER.	TANK CONNECTION AFFILIATE GROUP 3609 NORTH 16TH ST. • PARSONS, KANSAS 67357 620.423.3010 • FAX: 620.423.3999							CERTIFIED: APPROVED FOR CONSTRUCTION				
DO NOT SCALE DRAWING IN INCHES ANSI/ASME Y14.1 STANDARDS		TOLERANCES UNLESS OTHERWISE NOTED								LADDER ASSEMBLY 83'-9 7/16" HT TANK W/SAFETY CLIMB		PROJ #	05286	JOB #	001					
ANGULAR DEVIATION		PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES																		
X = ±1.0° / X.X = ±0.5°		0 - 4"	4" - 48"	48" - 130"	130" - 240"	240"+														
LINEAR TOLERANCE:		1/32"	1/16"	5/32"	1/8"	3/16"														
HOLE TO HOLE TOLERANCE:		1/32"	1/32"	1/32"	1/16"	1/16"														
 3RD ANGLE PROJECTION										0	RELEASED FOR FABRICATION		11/3/2015	DWM	CAS					
										REV	REVISION DESCRIPTION		DATE	DRAWN BY	CHECKED BY		DWG SIZE: B	SCALE: NTS		

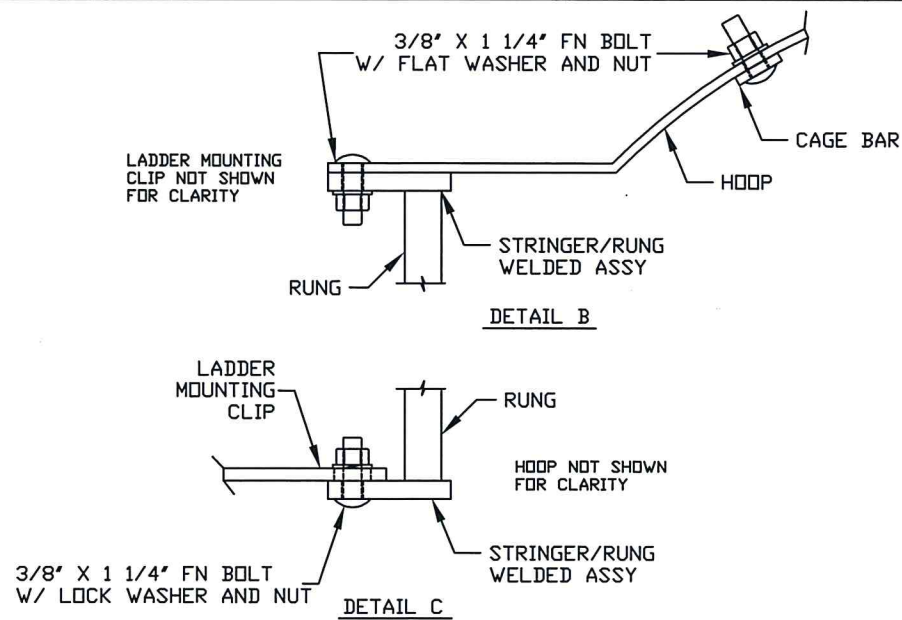
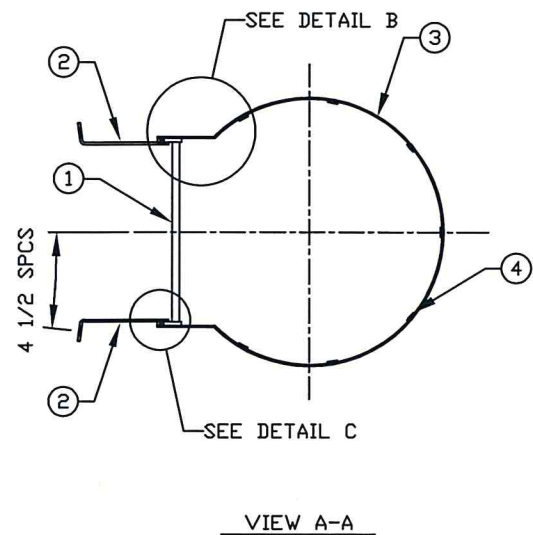


ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	LST001	1	STRINGER/RUNG ASSEMBLY	34	
2	B	LCP5	2	LADDER MOUNTING CLIP	3	
3	B	H00P2	2	H00P - MID	12	
4	B	CB001	7	CAGE BAR X 58 3/8" DAL	3	
A 5	-	BLTFG03751250	45	3/8" X 1 1/4" FN BOLT HDG		
A 6	-	NUTHG0375	45	3/8" NUT HEX		
A 7	-	WSHFG0375	45	3/8" FLAT WASHER HDG		
8	-	WSHLG0375	4	3/8" LOCK WASHER HDG		
A 9	B	LCPGR2	4	LADDER GUARDRAIL CLIP	1	

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT CONNECTIONS. INSTALL AND ALIGN ALL PARTS BEFORE FULLY TIGHTENING HARDWARE.

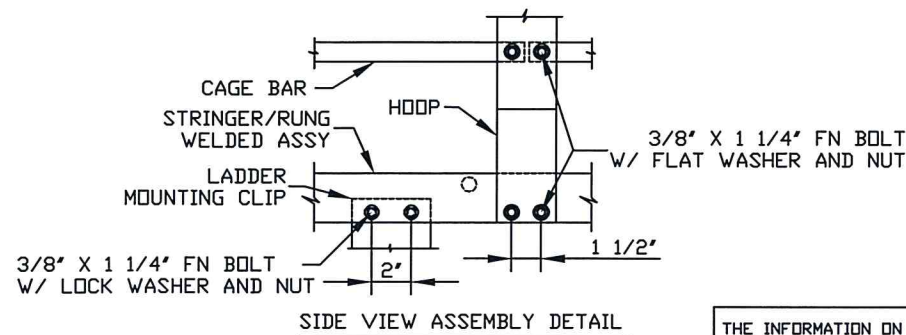
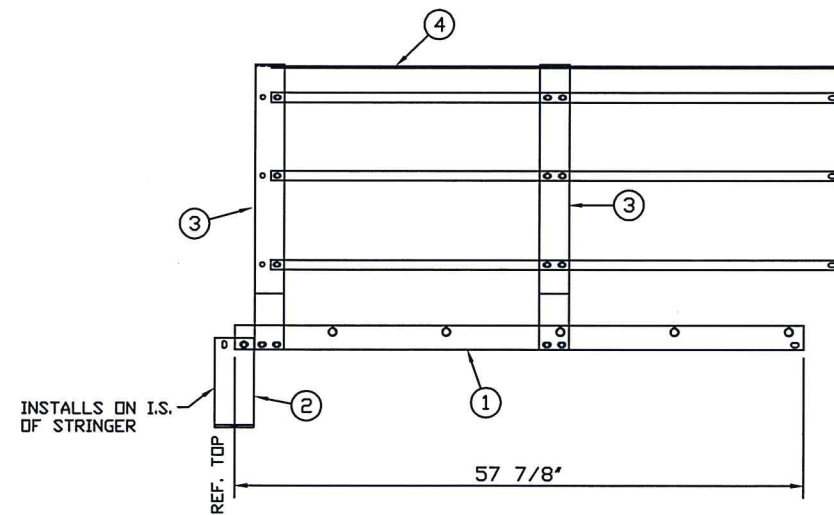
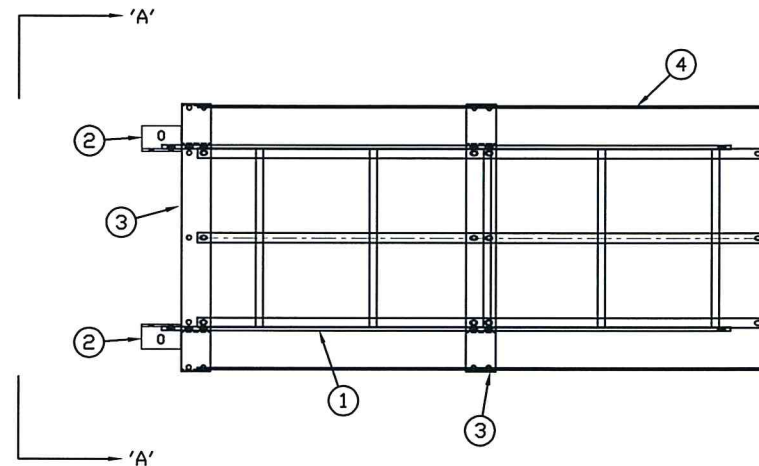


Kevin W Sheddric, PE
2016.01.11 13:17:51 -06'00'



ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	LSM001	1	STRINGER/RUNG ASSEMBLY X 57 7/8" O.A.L.	40	
2	B	LCP4	2	LADDER MOUNTING CLIP	3	
3	B	H00P2	2	H00P - MID	12	
4	B	CB002	7	CAGE BAR X 57 3/4" OAL	3	
5	-	BLTFG03751250	42	3/8" X 1 1/4" FN BOLT HDG		
6	-	NUTHG0375	42	3/8" NUT HEX		
7	-	WSHFG0375	37	3/8" FLAT WASHER HDG		
8	-	WSHLG0375	5	3/8" LOCK WASHER HDG		

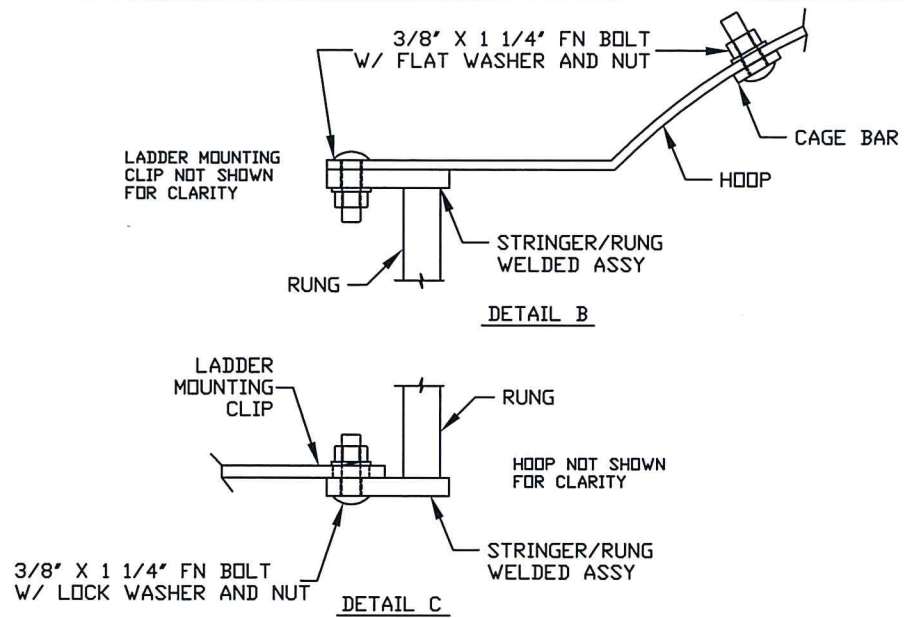
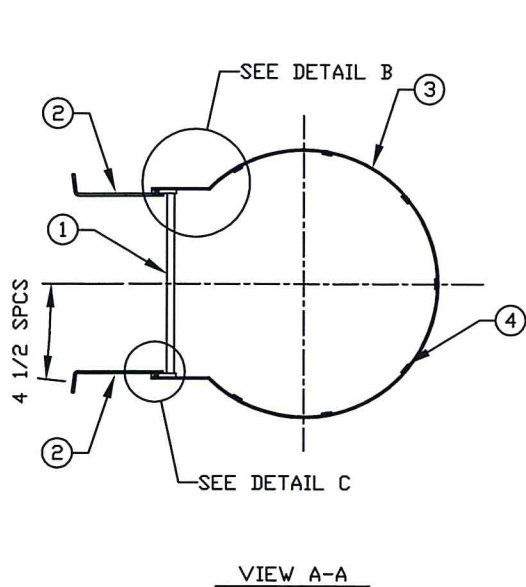
ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT CONNECTIONS. INSTALL AND ALIGN ALL PARTS BEFORE FULLY TIGHTENING HARDWARE.



Kevin W Sheddric, PE
2016.01.11 13:20:43 -06'00'

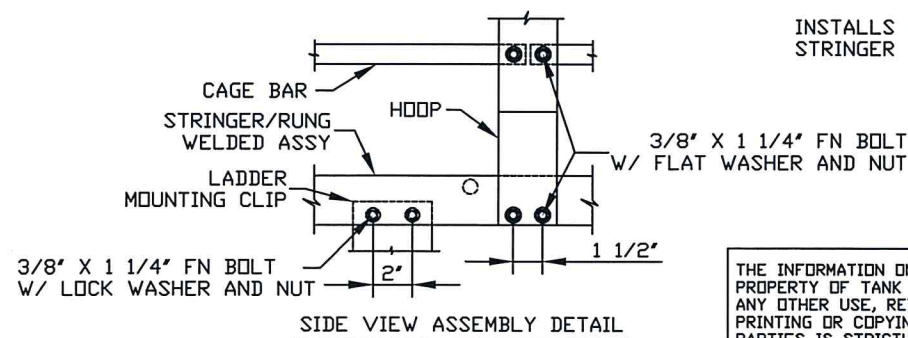
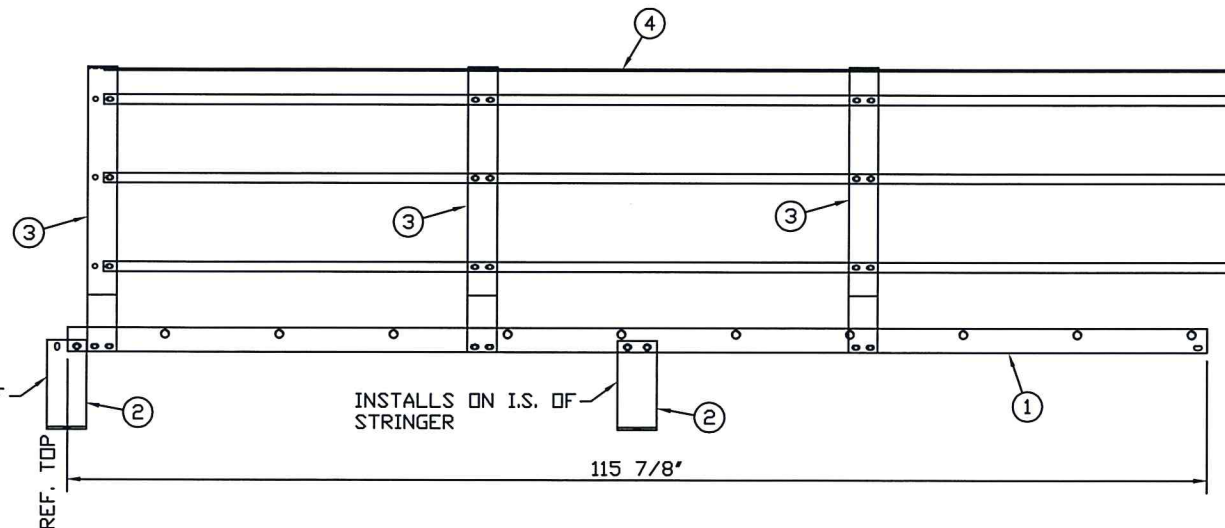
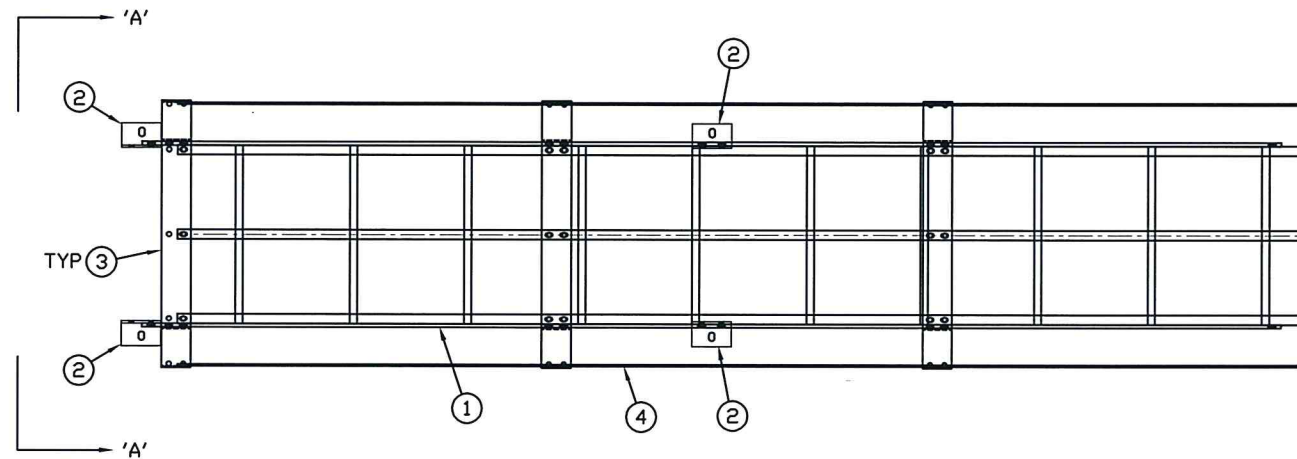
ASSEMBLY WEIGHT = 91 LBS

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		D					DATE:	10/9/07				
		C					REVIEWED BY:	DJC				
		B	UPDATED BORDER	6/21/11	JA	DJC	DATE:	10/19/07	C	SCALE: NTS	DRAWING NO.	LSA006
		A	MADE TO REFLECT STRINGER ASSY	11/8/07	JT	DJC						
		REV	REVISION	DATE	BY	APP						



ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	LSM002	1	STRINGER/RUNG ASSEMBLY X 115 7/8" O.A.L.	82	
2	B	LCP4	4	LADDER MOUNTING CLIP	3	
3	B	HOOP2	3	HOOP - MID	12	
4	B	CB003	7	CAGE BAR X 115 3/4" OAL	6	
5	-	BLTFG03751250	66	3/8" X 1 1/4" FN BOLT HDG		
6	-	NUTHG0375	66	3/8" NUT HEX		
7	-	WSHFG0375	57	3/8" FLAT WASHER HDG		
8	-	WSHLG0375	9	3/8" LOCK WASHER HDG		

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT
CONNECTIONS. INSTALL AND ALIGN ALL
PARTS BEFORE FULLY TIGHTENING HARDWARE.



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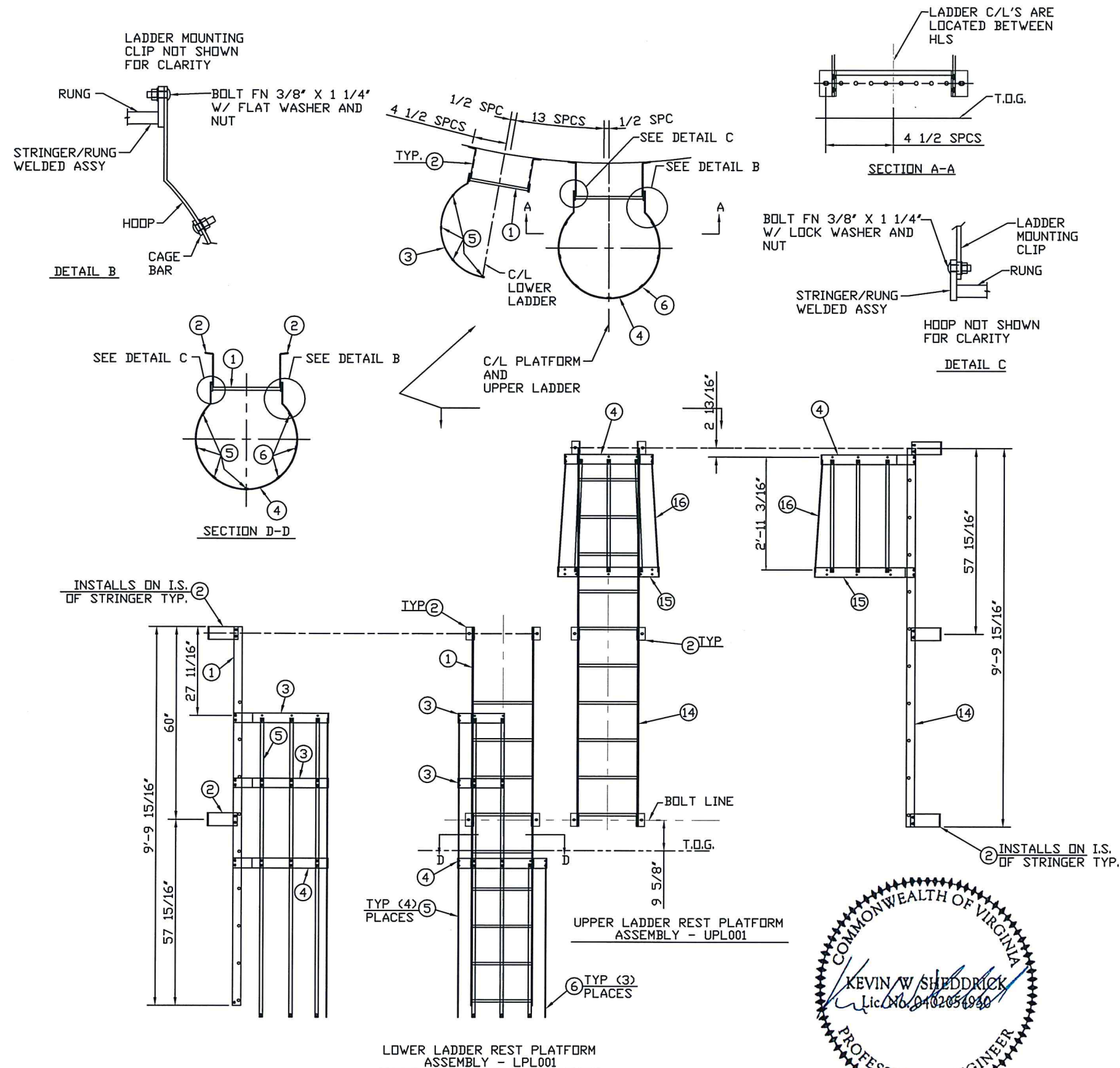
REV	REVISION	DATE	BY	APP
E				
D				
C				
B	UPDATED BORDER	11/23/09	JA	DJC
A	CORRECTED TO REFLECT STRINGER ASSEMBLY	11/23/09	JT	DJC



Kevin W Sheddric, PE
2016.01.11 13:21:01 -06'00'

ASSEMBLY WEIGHT = 172 LBS

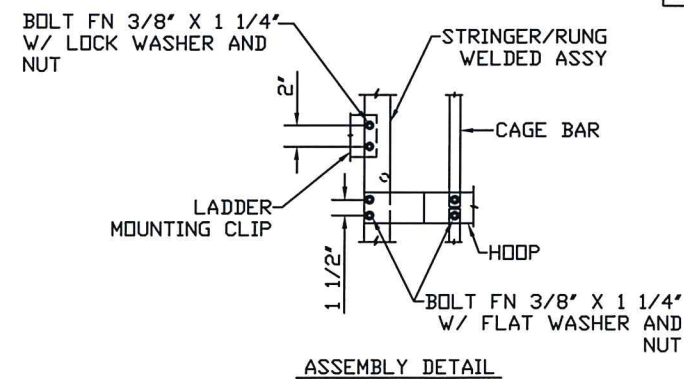
	DRAWN BY:	JT	116' MID. LADDER ASSY.			
	DATE:	10/9/07				
C	REVIEWED BY:	DJC				
C						
P	DATE:	10/19/07	C	SCALE: NTS	DRAWING NO.	LSA007



LOWER LADDER REST PLATFORM ASSEMBLY - LPL001					
ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT. PAINT
1	B	LSL001	1	STRINGER/RUNG ASSEMBLY	80
2	B	LCP4	4	LADDER MOUNTING CLIP	3
3	B	H00P3	2	HOOP - REST PLATFORM	6
4	B	H00P2	1	HOOP - MID	12
5	B	CB006	4	CAGE BAR X 92 15/16" OAL	5
6	B	CB007	3	CAGE BAR X 47 13/16" OAL	2
7	-	BLTFG03751250	76	3/8" x 1 1/4" FN BOLT HDG	
8	-	NUTHG0375	76	3/8" NUT HEX	
9	-	WSHFG0375	62	3/8" FLAT WASHER HDG	
10	-	WSHLG0375	14	3/8" LOCK WASHER HDG	

UPPER LADDER REST PLATFORM ASSEMBLY - UPL001					
ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT. PAINT
2	B	LCP4	6	LADDER MOUNTING CLIP	3
4	B	H00P2	1	HOOP - MID	12
7	-	BLTFG03751250	48	3/8" x 1 1/4" FN BOLT HDG	
8	-	NUTHG0375	48	3/8" NUT HEX	
9	-	WSHFG0375	36	3/8" FLAT WASHER HDG	
10	-	WSHLG0375	12	3/8" LOCK WASHER HDG	
14	B	LSU001	1	STRINGER/RUNG ASSEMBLY	82
15	B	H00P1	1	HOOP - FLARED	14
16	B	CB004	7	CAGE BAR X 35" OAL	1

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT CONNECTIONS. INSTALL AND ALIGN ALL PARTS BEFORE FULLY TIGHTENING HARDWARE.



Kevin W Sheddick, PE
2016.01.11 13:21:15 -06'00'

ASSEMBLY WEIGHT = 275 LBS

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620.423.3010 - FAX: 620.423.3999

E					DRAWN BY:	JT	UPPER & LOWER LADDER REST PLATFORM ASS'Y - RH		
D					DATE:	10/15/07			
C							REVIEWED BY: DJC		
B	REV. BORDER	7/05/11	DJC	JM	DATE:	11/01/07			
A	REVISED ASS'Y WEIGHT	01/13/09	SH	MB			SCALE: NTS	DRAWING NO.	LSA010
REV	REVISION	DATE	BY	APP					

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT
CONNECTIONS. INSTALL AND ALIGN ALL
PARTS BEFORE FULLY TIGHTENING HARDWARE.

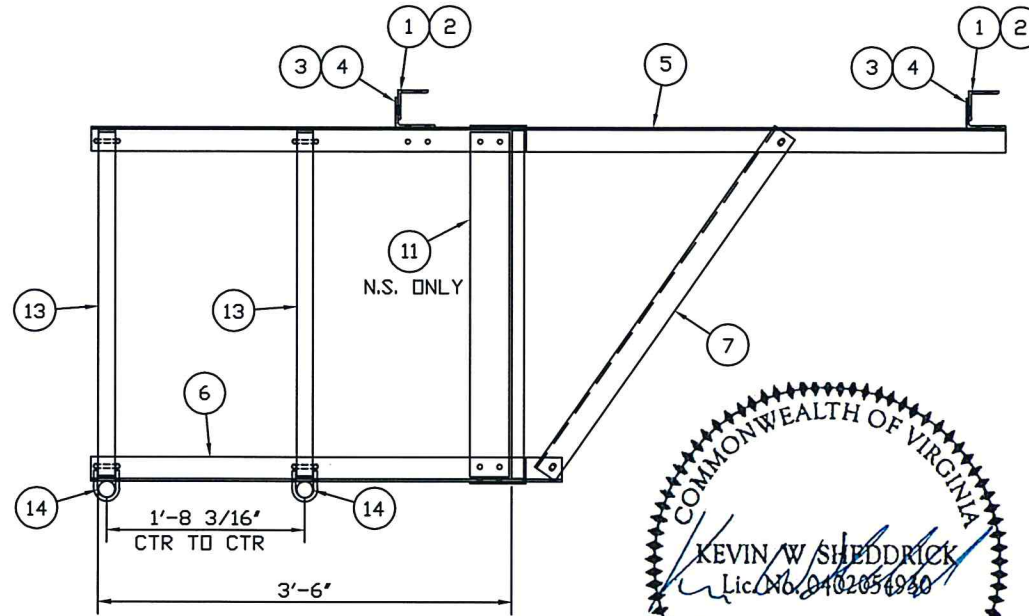
ALL CONNECTIONS - USE 3/8" X 1 1/4" FN BOLT
W/ LOCK WASHER AND NUT (UNLESS NOTED)

3/4" X 1 3/4" HX HD BOLT W/
LOCK & FLAT WASHERS & NUT

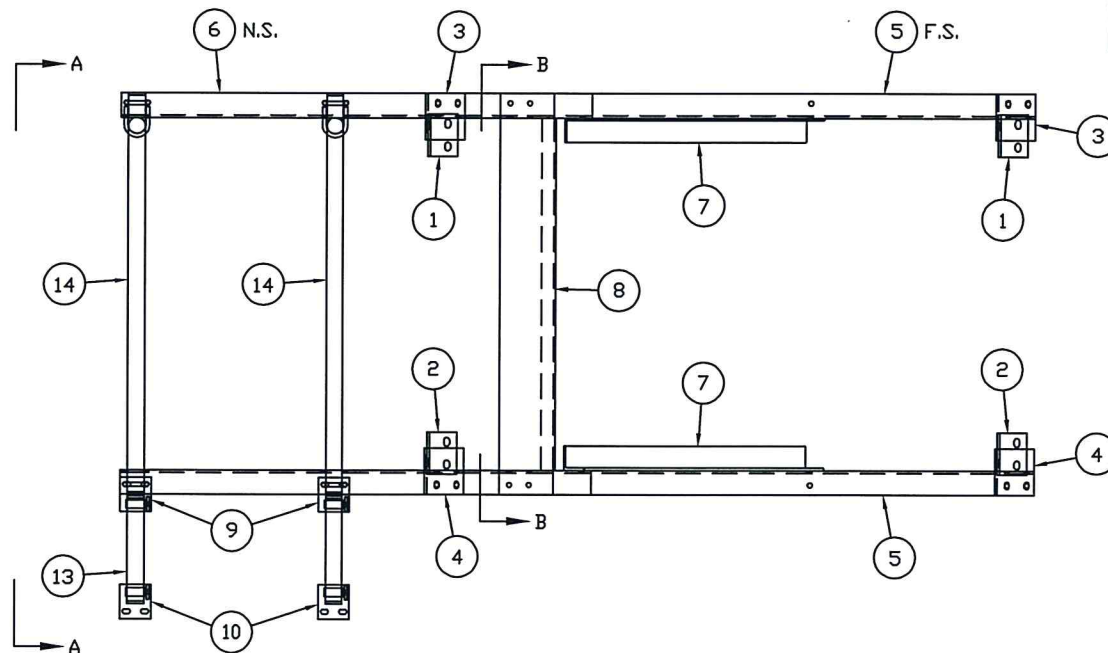
SEE MAIN LADDER
ASSEMBLY DRAWING
FOR SHELL
ATTACHMENT DETAIL.

SPC DIM'S
TO C/L OF
I.S. HOLE

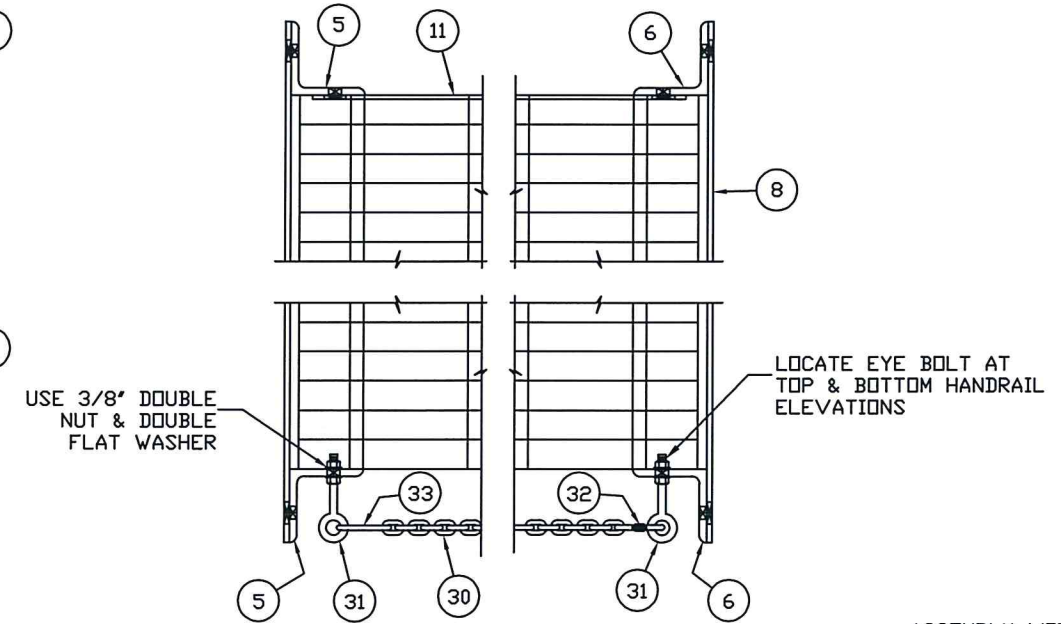
NOTE:
DETAIL ITEM #3
IS OPPOSITE.



Kevin W Sheddric, PE
2016.01.11 13:21:31 -06'00'



ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	PC001	2	MOUNTING ANGLE - SHELL	2	
2	B	PC002	2	MOUNTING ANGLE - SHELL	2	
3	B	LRR12	2	MOUNTING ANGLE RH - PLATFORM	3	
4	B	LRR13	2	MOUNTING ANGLE LH - PLATFORM	3	
5	B	PP001	2	PLATFORM POST - L2 1/2 X 2 1/2 X 1/4	28	
6	B	PP002	2	GUARDRAIL POST - L2 1/2 X 2 1/2 X 1/4	16	
7	B	LRR16	2	KNEE BRACE - L2 1/2 X 2 1/2 X 1/4	15	
8	B	LRR17	1	PLATFORM FRAME	116	
9	B	LRR18	2	GUARDRAIL CLIP - A	1	
10	B	LRR19	2	GUARDRAIL CLIP - B	1	
11	B	TB1331	1	TDE BOARD 1/8PL X 4" X 34 5/8" OAL	5	
12	B	CB005	5	CAGE BAR X 43 15/16"	3	
13	-	GP001	4	PIPE 1.66" O.D. X 0.072" WALL X 35" GALV	1	
14	-	GP002	2	PIPE 1.66" O.D. X 0.072" WALL X 40 1/2" GALV	1	
15	-	CCF158	12	PIPE CAP, BLACK PLASTIC 1 5/8" O.D.		
16	-	BLTFG03751250	51	3/8" X 1 1/4" FN BOLT HDG		
17	-	NUTHG0375	73	3/8" NUT HEX		
18	-	WSHFG0375	39	3/8" FLAT WASHER HDG		
19	-	WSHLG0375	45	3/8" LOCK WASHER HDG		
20	-	BLTHG0750175	4	3/4" X 1 3/4" HX HD BOLT HDG A325		
21	-	NUTHG0750	4	3/4" NUT HEX		
22	-	WSHFG0750	4	3/4" FLAT WASHER HDG		
23	-	WSHLG0750	4	3/4" LOCK WASHER HDG		
24	-	CP050082141	9	HANDRAIL CLAMP MODEL CL-TBB-15		
25	-	BLTCG031251250	11	5/16" X 1 1/4" CARRIAGE BOLT GALV		
26	-	WSHFG03125	11	5/16" WASHER FLAT GALV		
27	-	WSHLG03125	11	5/16" WASHER LOCK GALV		
28	-	NUTHG03125	11	5/16" HEX NUT HDG		
29	-	UBPG1250	11	U-BOLT 1 1/4" HDG		
30	-	CHNZ0312530	2	CHAIN SAFETY 5/16" X 30" LG ZINC PLTD	5	N
31	-	MC3016T33	4	EYE BOLT 3/8"x3"LGx3/4"DIA EYE w/DBL NUTS		N
32	-	CHREPLNKZ031251500	2	CHAIN REPAIR LINK 1 1/2" ZINC PLTD		N
33	-	MC3933T18	2	SPRING SNAP 5/8" OPENING 7/16" DIA.		N



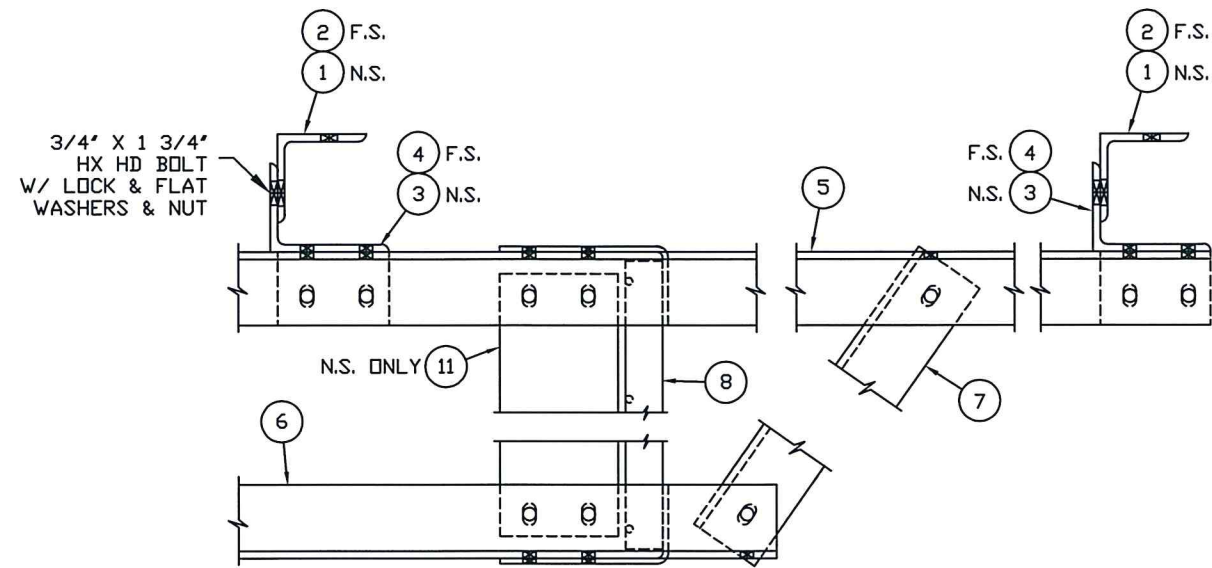
ASSEMBLY WEIGHT = 294 LBS

SHEET 1 OF 2
SEE SHEET 2 FOR ASSEMBLY DETAILS

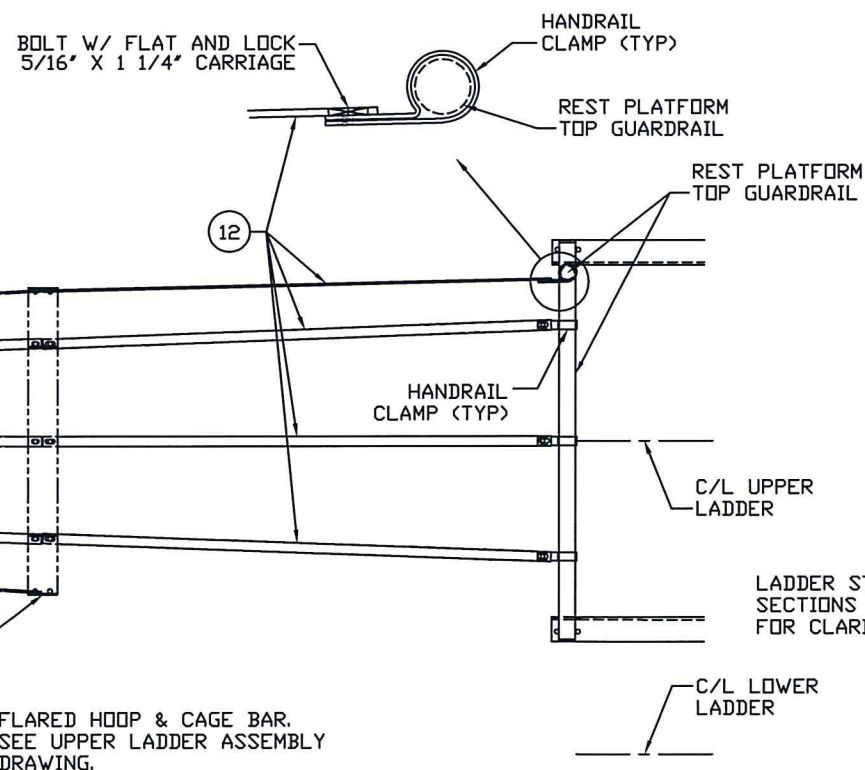
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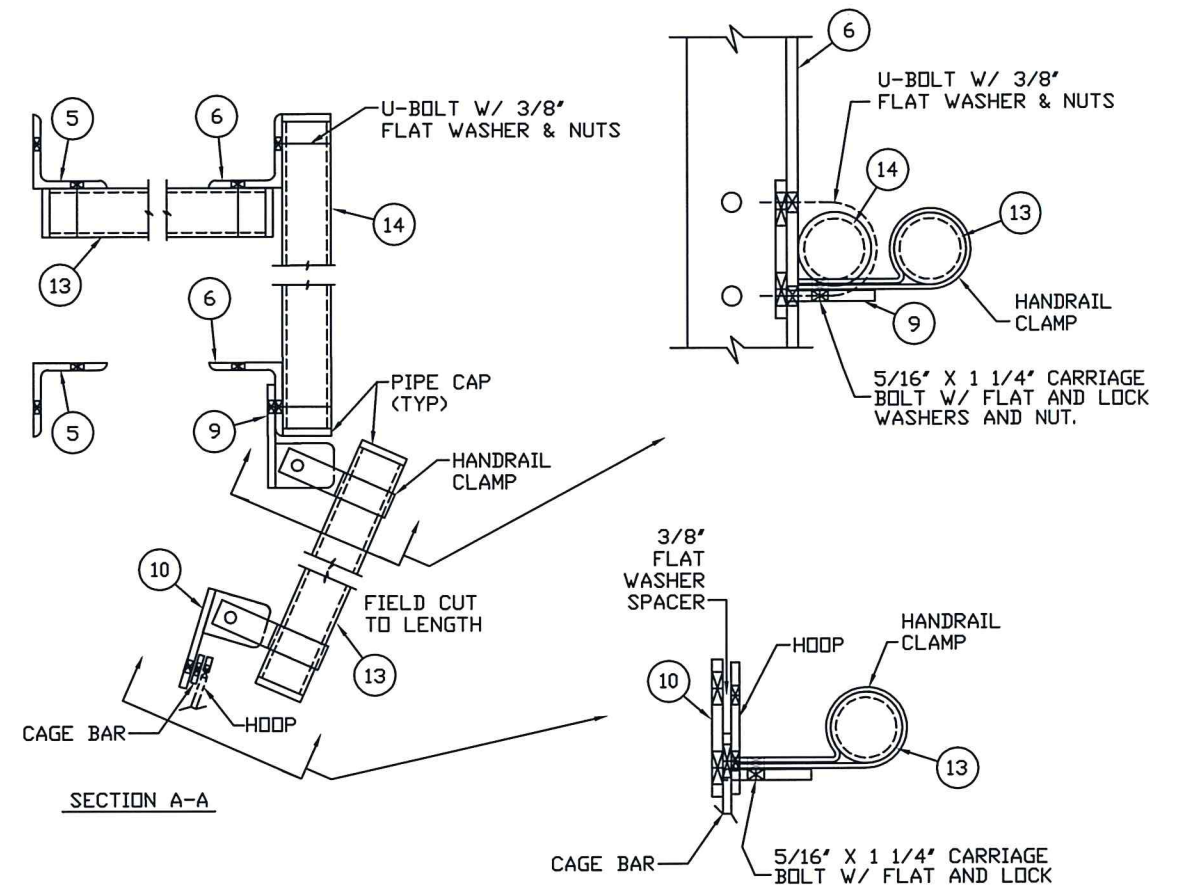
E	CAGE BAR ADDITIONS	9/7/12	SAT	MP	DRAWN BY:	JT
D	ADDED SECA-A / MOVED SECT.B-B	9/19/11	SGM	MP	DATE:	10/15/07
C	REVISED BORDER	7/05/11	DJC	JM	REVIEWED BY:	DJC
B	REVISED PART #'S	10/21/11	TM	SH	DATE:	11/01/07
A	ADDED SAFETY CHAIN ASS'Y	12/04/09	JK	SH	SCALE:	NTS
REV	REVISION	DATE	BY	APP	DRAWING NO.	RHA001



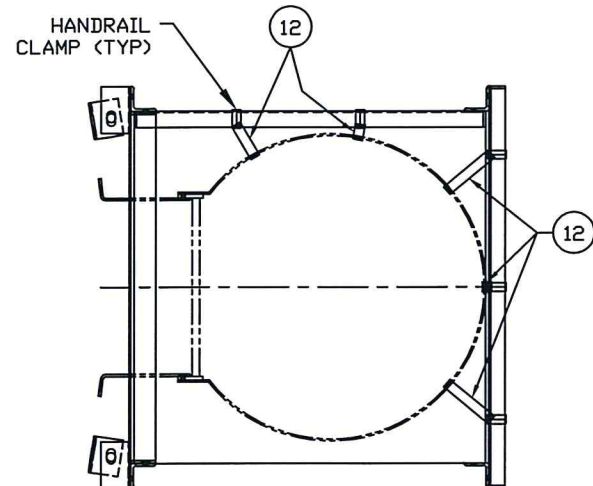
SIDE VIEW
PLATFORM ASSEMBLY DETAIL



CAGE BAR TO REST PLATFORM DETAIL



SECTION A-A



Kevin W Sheddric, PE
2016.01.11 13:21:46 -06'00'

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT
CONNECTIONS. INSTALL AND ALIGN ALL
PARTS BEFORE FULLY TIGHTENING HARDWARE.

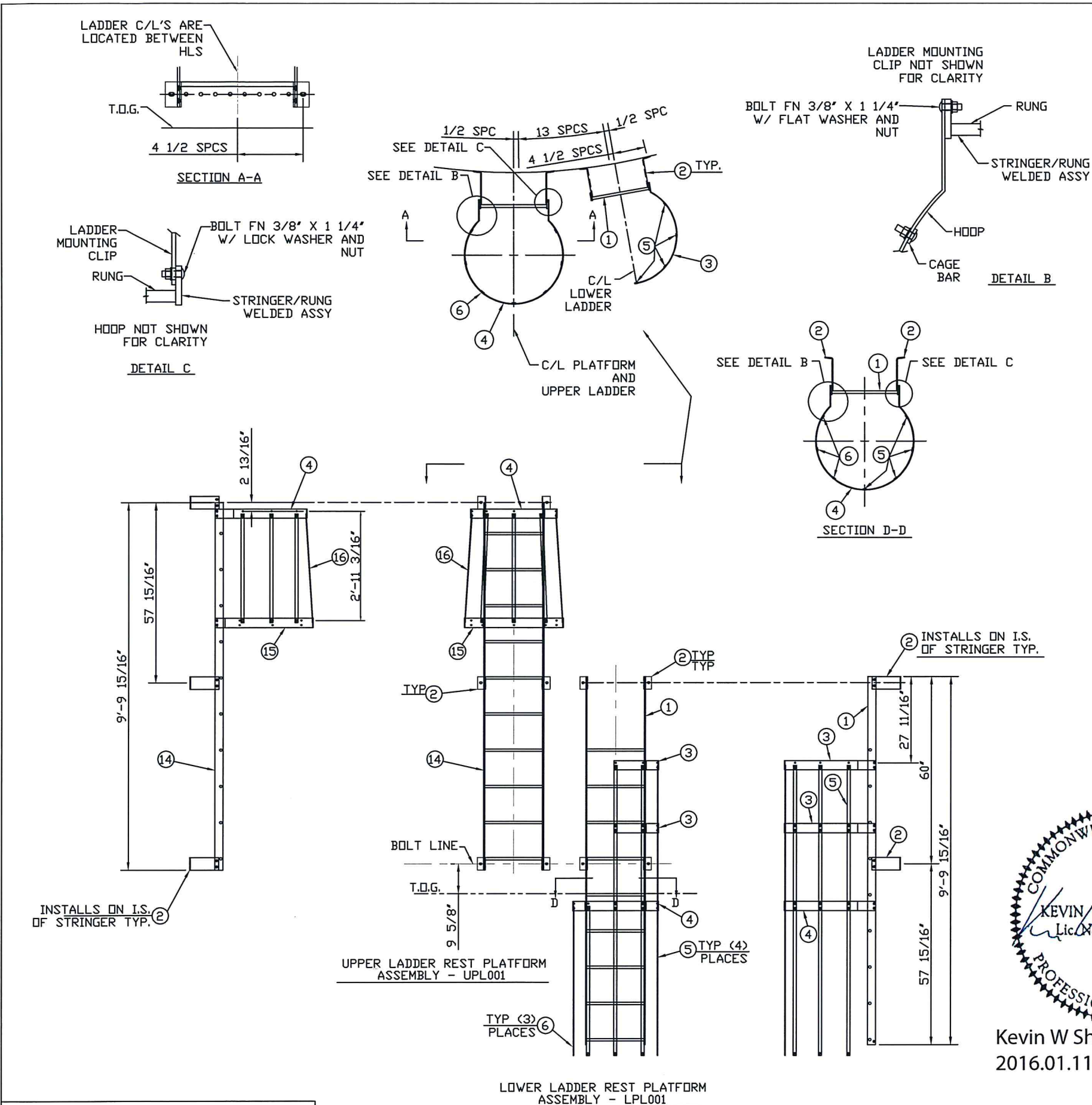
ALL CONNECTIONS - USE 3/8" X 1 1/4" FN BOLT
W/ LOCK WASHER AND NUT (UNLESS NOTED)

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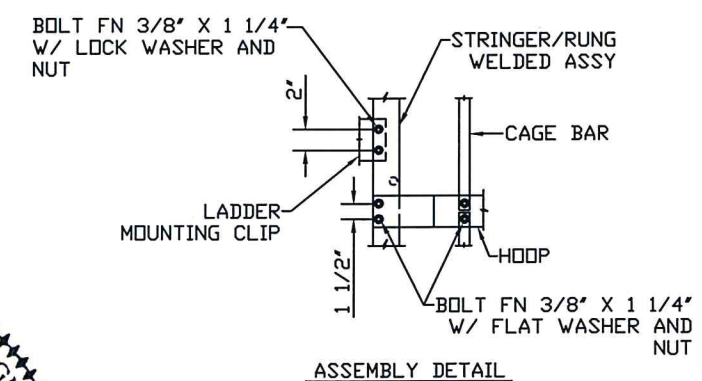
REV	REVISION	DATE	BY	APP	DATE	11/01/11
E	MIRRORED ITEMS #9 & #10 SECTION DETAILS	10/9/13	MP	DJC	DRAWN BY:	JT
D					DATE:	10/16/07
C	CAGE BAR ADDED	9/7/12	SAT			
B	GENERAL REVISIONS	9/19/11	SGM	MP	REVIEWED BY:	DJC
A	REVISED BORDER	7/05/11	DJC	JM		

SHEET 2 OF 2 SEE SHEET 1 FOR ASSEMBLY AND B.O.M.			
REST PLATFORM ASSEMBLY - RH			
SCALE: NTS	DRAWING NO.	RHA001SHT2	



LOWER LADDER REST PLATFORM ASSEMBLY - LPL001					
ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.
1	B	LSL001	1	STRINGER/RUNG ASSEMBLY 9'-9 15/16" O.A.L.	80
2	B	LCP4	4	LADDER MOUNTING CLIP	3
3	B	H00P3	2	H00P - REST PLATFORM	6
4	B	H00P2	1	H00P - MID	12
5	B	CB006	4	CAGE BAR X 92 15/16" DAL	5
6	B	CB007	3	CAGE BAR X 47 7/8" DAL	2
7	-	BLTFG03751250	68	3/8" x 1 1/4" FN BOLT HDG	
8	-	NUTHG0375	68	3/8" NUT HEX	
9	-	WSHFG0375	57	3/8" FLAT WASHER HDG	
10	-	WSHLG0375	11	3/8" LOCK WASHER HDG	

UPPER LADDER REST PLATFORM ASSEMBLY - UPL001					
ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.
2	B	LCP4	6	LADDER MOUNTING CLIP	3
4	B	H00P2	1	H00P - MID	12
7	-	BLTFG03751250	34	3/8" x 1 1/4" FN BOLT HDG	
8	-	NUTHG0375	34	3/8" NUT HEX	
9	-	WSHFG0375	23	3/8" FLAT WASHER HDG	
10	-	WSHLG0375	11	3/8" LOCK WASHER HDG	
14	B	LSU001	1	STRINGER/RUNG ASSEMBLY 9'-9 15/16" O.A.L.	82
15	B	H00P1	1	H00P - FLARED	14
16	B	CB004	7	CAGE BAR X 35" DAL	1



Kevin W Sheddric, PE
2016.01.11 13:22:02 -06'00'

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT CONNECTIONS. INSTALL AND ALIGN ALL PARTS BEFORE FULLY TIGHTENING HARDWARE.

ALL CONNECTIONS - USE 3/8" X 1 1/4" FN BOLT W/ LOCK WASHER AND NUT (UNLESS NOTED)

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E					DRAWN BY:	JT	UPPER & LOWER LADDER REST PLATFORM ASS'Y LH		
D					DATE:	11/06/07			
C					REVIEWED BY:	BCR			
B									
A	REVISED BORDER	7/09/10	DJC		DATE:	11/06/07	SCALE:	NTS	DRAWING NO.
REV	REVISION	DATE	BY	APP					LSA011

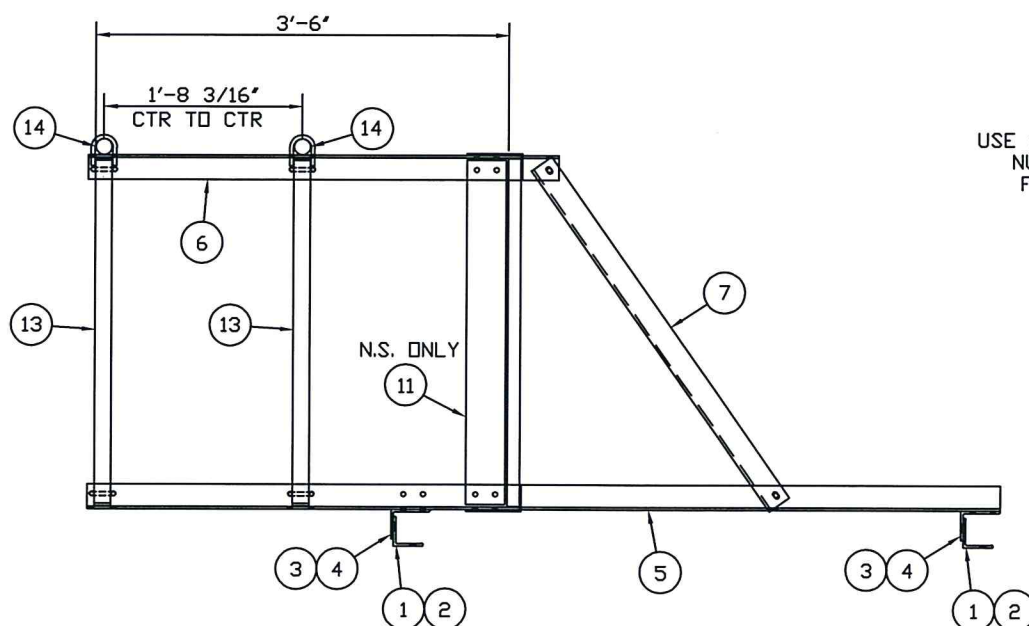
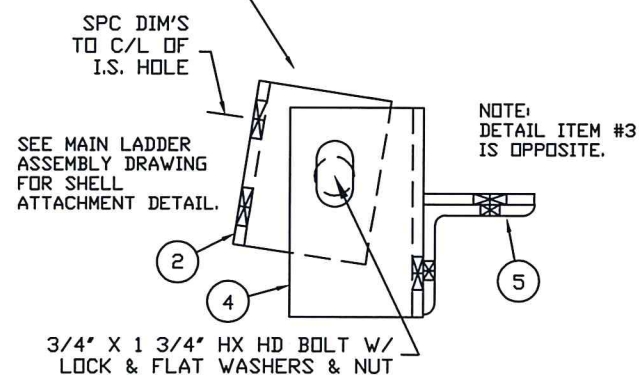
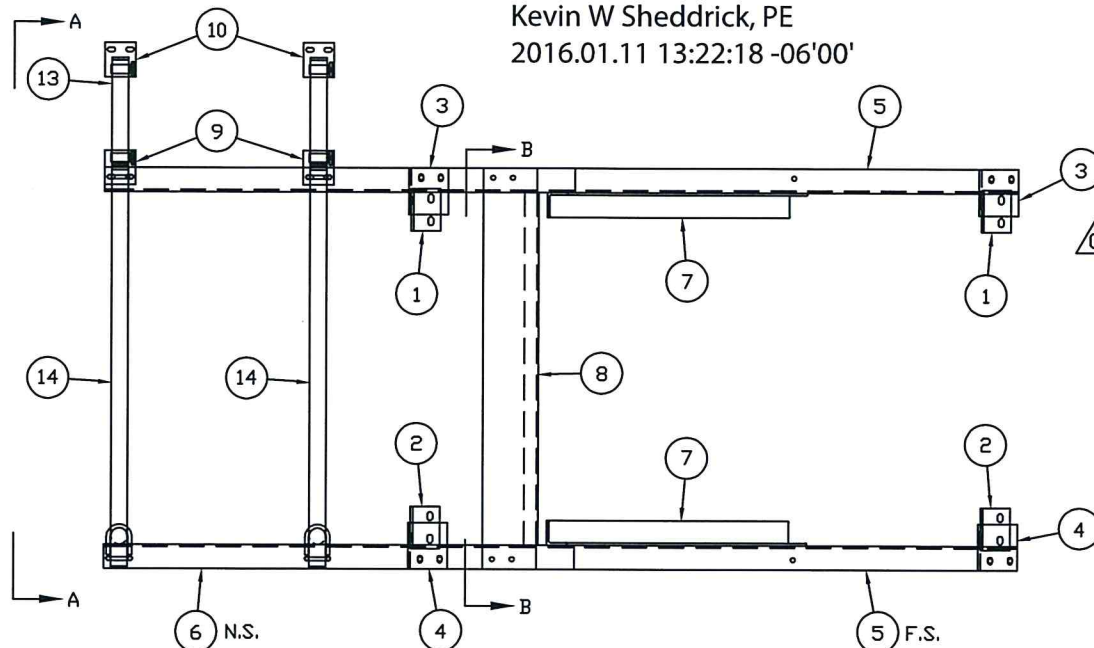
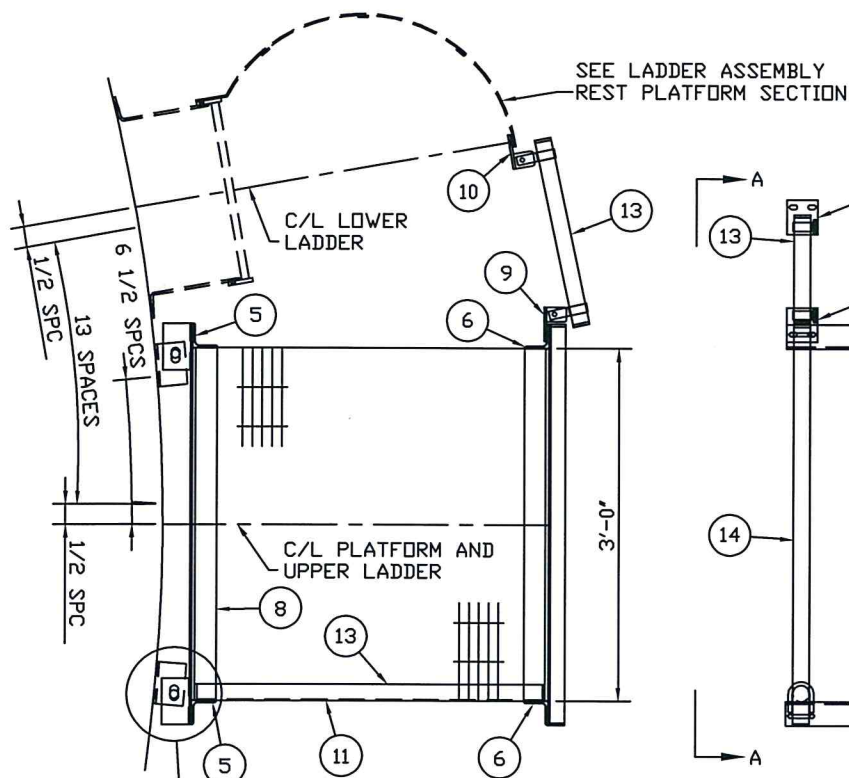
ASSEMBLY WEIGHT: 275#

ALL CONNECTIONS - USE 3/8" X 1 1/4" FN BOLT W/ LOCK WASHER AND NUT (UNLESS NOTED)

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT CONNECTIONS. INSTALL AND ALIGN ALL PARTS BEFORE FULLY TIGHTENING HARDWARE.

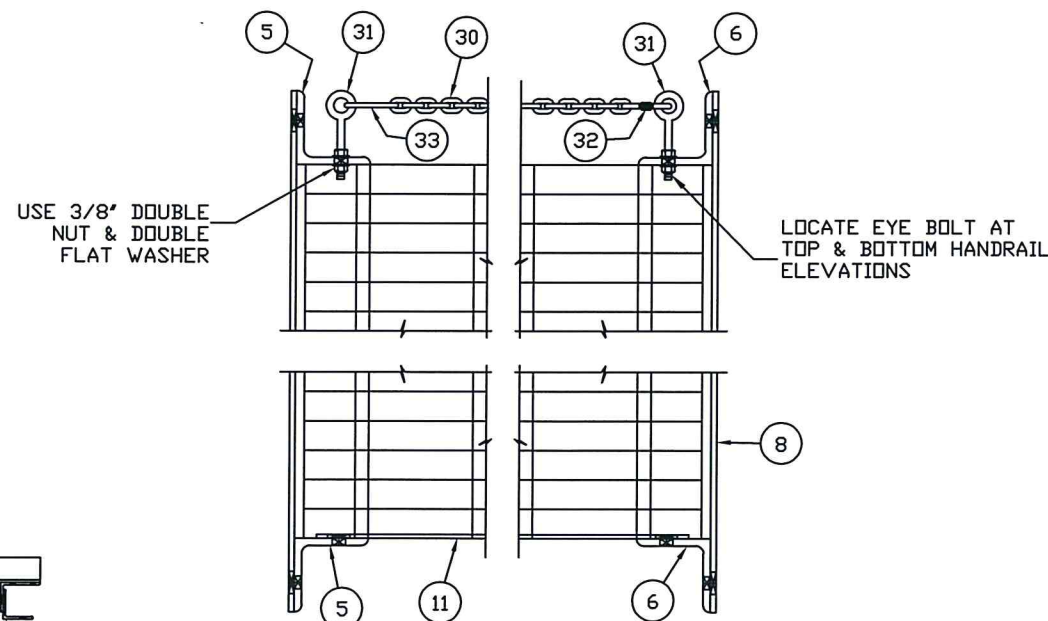


Kevin W Sheddric, PE
2016.01.11 13:22:18 -06'00'



C
C

ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	PC001	2	MOUNTING ANGLE - SHELL	2	
2	B	PC002	2	MOUNTING ANGLE - SHELL	2	
3	B	LRR12	2	MOUNTING ANGLE RH - PLATFORM	3	
4	B	LRR13	2	MOUNTING ANGLE LH - PLATFORM	3	
5	B	PP001	2	PLATFORM POST - L2 1/2 X 2 1/2 X 1/4	28	
6	B	PP002	2	GUARDRAIL POST - L2 1/2 X 2 1/2 X 1/4	16	
7	B	LRR16	2	KNEE BRACE - L2 1/2 X 2 1/2 X 1/4	15	
8	B	LRR17	1	PLATFORM FRAME	116	
9	B	LRR18	2	GUARDRAIL CLIP - A	1	
10	B	LRR19	2	GUARDRAIL CLIP - B	1	
11	B	TB1331	1	TOE BOARD 1/8" PL X 4' X 34 5/8" OAL	5	
12	B	CB005	5	CAGE BAR X 43 15/16"	3	
13	-	GP001	4	PIPE 1.66" O.D. X 0.072" WALL X 35' GALV	1	
14	-	GP002	2	PIPE 1.66" O.D. X 0.072" WALL X 40 1/2" GALV	1	
15	-	CCF158	12	PIPE CAP, BLACK PLASTIC 1 5/8" O.D.		
16	-	BLTFG03751250	51	3/8" X 1 1/4" FN BOLT HDG		
17	-	NUTHG0375	73	3/8" NUT HEX		
18	-	WSHFG0375	39	3/8" FLAT WASHER HDG		
19	-	WSHLG0375	45	3/8" LOCK WASHER HDG		
20	-	BLTHG0750175	4	3/4" X 1 3/4" HX HD BOLT HDG A325		
21	-	NUTHG0750	4	3/4" NUT HEX		
22	-	WSHFG0750	4	3/4" FLAT WASHER HDG		
23	-	WSHLG0750	4	3/4" LOCK WASHER HDG		
24	-	CP050082141	9	HANDRAIL CLAMP MODEL CL-TBB-15		
25	-	BLTCG031251250	11	5/16" X 1 1/4" CARRIAGE BOLT GALV		
26	-	WSHFG03125	11	5/16" WASHER FLAT GALV		
27	-	WSHLG03125	11	5/16" WASHER LOCK GALV		
28	-	NUTHG03125	11	5/16" HEX NUT HDG		
29	-	UBPG1250	11	U-BOLT 1 1/4" HDG		
30	-	CHNZ0312530	2	CHAIN SAFETY 5/16" X 30' LG ZINC PLTD	5	N
31	-	MC3016T33	4	EYE BOLT 3/8"x3" LGx3/4" DIA EYE w/DBL NUTS		N
32	-	CHREPLNKZ031251500	2	CHAIN REPAIR LINK 1 1/2" ZINC PLTD		N
33	-	MC3933T18	2	SPRING SNAP 5/8" OPENING 7/16" DIA.		N



SECTION B-B

ASSY. WEIGHT= 294#

SHEET 1 OF 2
SEE SHEET 2 FOR ASSEMBLY DETAILS

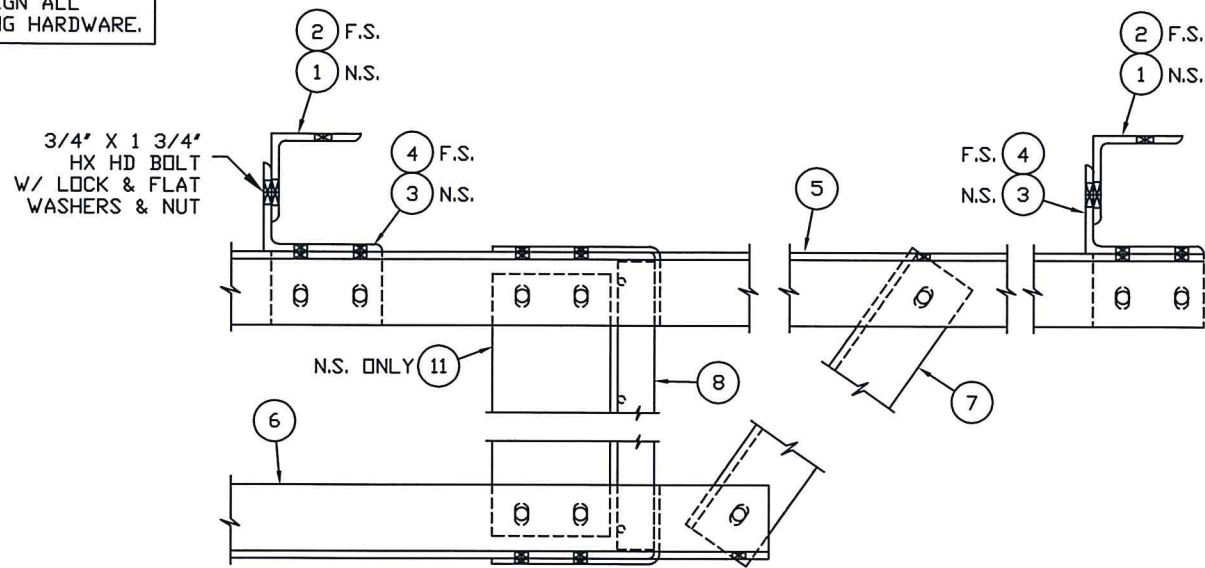
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TANK CONNECTION
AFFILIATE GROUP
3609 NORTH 15TH ST. PARSONS, KANSAS 67357
620.423.3010 FAX: 620.423.3999

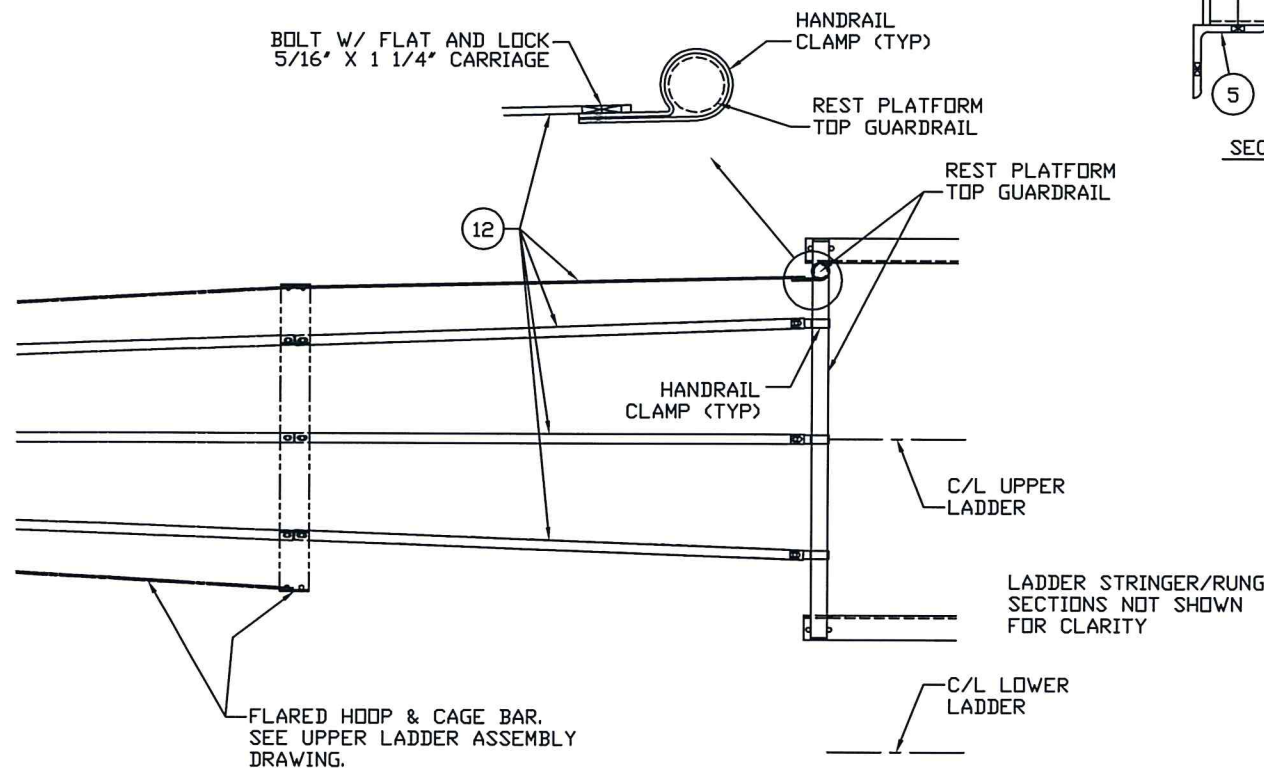
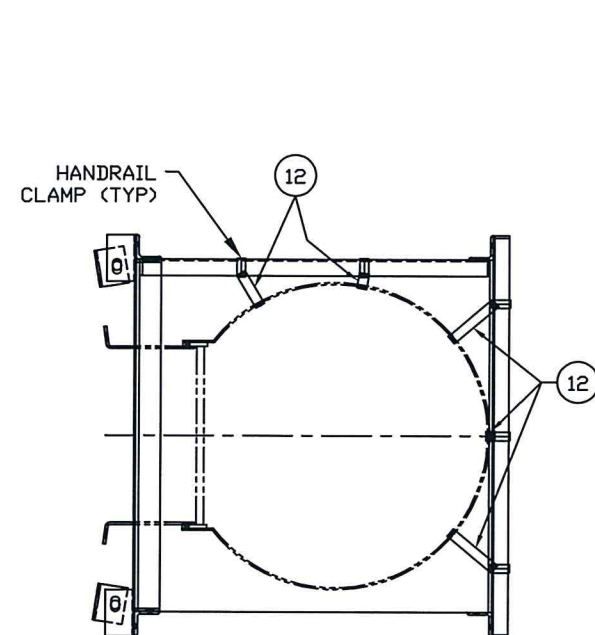
E	ADDED CAGE BAR	9/7/12	SAT		DRAWN BY:	JT
D	ADDED SECT.A-A / MOVED SECT.B-B	9/19/11	SGM	MP	DATE:	11/16/07
C	REVISED PART NUMBERS	10/21/10	TM	SH	REVIEWED BY:	DJC
B	ADDED SAFETY CHAIN TO PLATFORM	12/04/09	JK	SH	DATE:	11/1/07
A	REVISED BORDER	11/23/09	JA	DJC	SCALE: NTS	DRAWING NO.
REV	REVISION	DATE	BY	APP	LHA001	

ALL CONNECTIONS - USE 3/8" X 1 1/4" FN BOLT
W/ LOCK WASHER AND NUT (UNLESS NOTED)

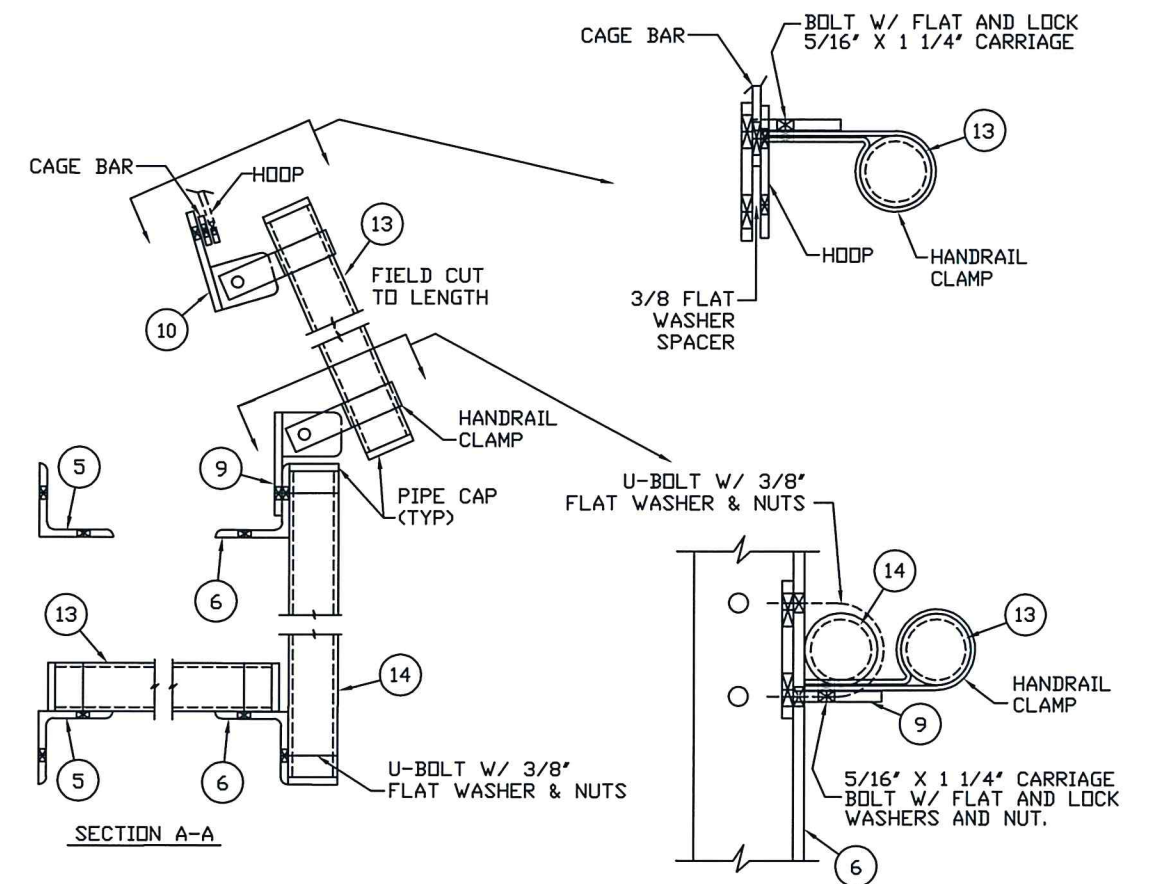
ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT
CONNECTIONS. INSTALL AND ALIGN ALL
PARTS BEFORE FULLY TIGHTENING HARDWARE.



SIDE VIEW
PLATFORM ASSEMBLY DETAIL



CAGE BAR TO REST PLATFORM DETAIL



SECTION A-A



Kevin W Sheddric, PE
2016.01.11 13:22:36 -06'00'

ASSY. WEIGHT= 295#

SHEET 2 OF 2
SEE SHEET 1 FOR PART NUMBERS

REST PLATFORM ASSEMBLY - LH

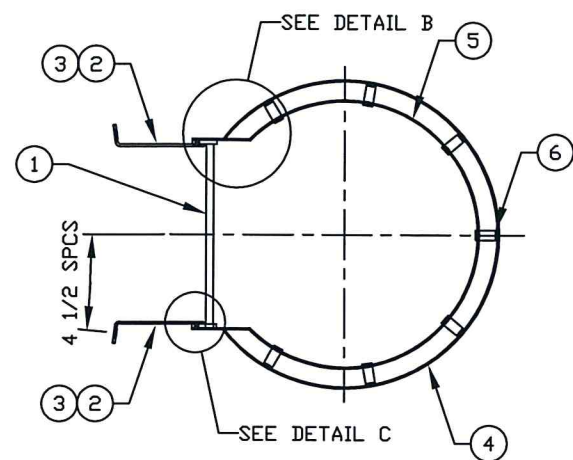
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620.423.3010 . FAX: 620.423.3999

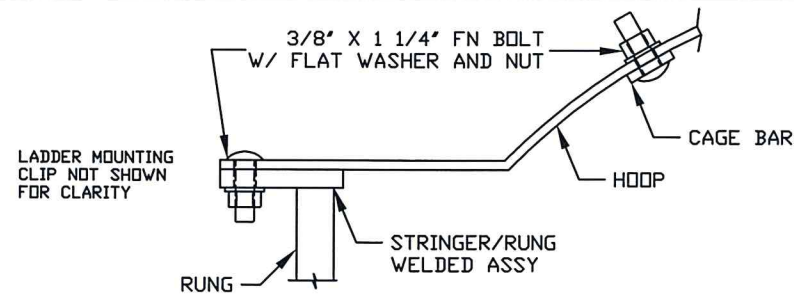
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E	ADDED CAGE BAR	9/7/12	SAT	
D	GENERAL REVISIONS	9/19/11	SGM	MP
C	CHANGED DESCRIPTION TO LH ASSY	9/2/11	SGM	
B	REVISED BORDER	11/23/09	JA	DJC
A				

DRAWN BY:	JT
DATE:	11/6/07
REVIEWED BY:	DJC
DATE:	11/1/07

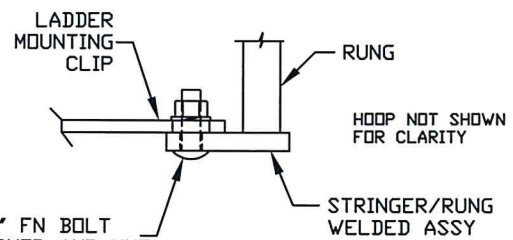
SCALE: NTS	DRAWING NO.	LHA001SHT2
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VIEW A-A



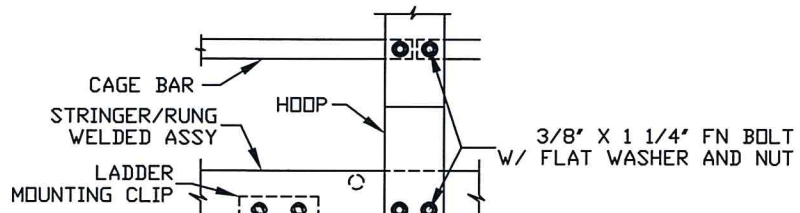
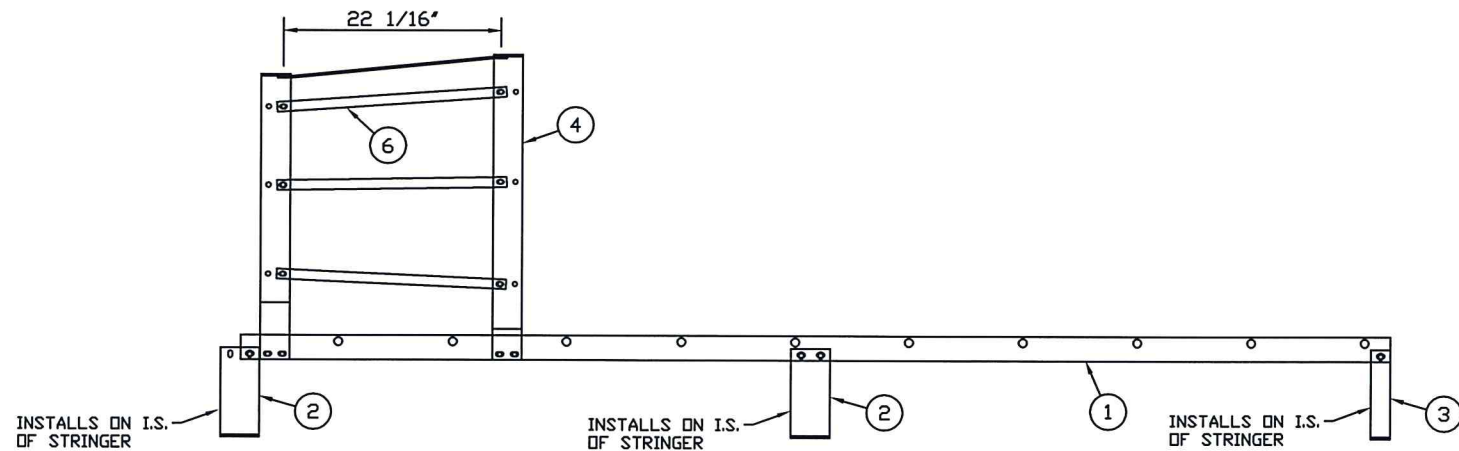
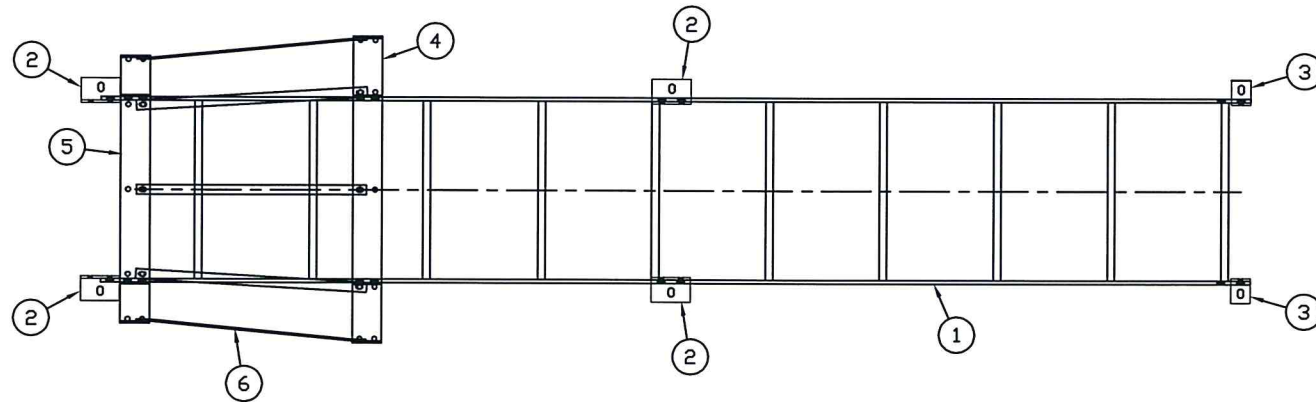
DETAIL B



DETAIL C

ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	LSB002	1	STRINGER/RUNG ASSEMBLY	82	
2	B	LCP4	4	LADDER MOUNTING CLIP	3	
3	B	70389020	2	LADDER MOUNTING CLIP	3	
4	B	HOOP1	1	HOOP - FLARED	14	
5	B	HOOP2	1	HOOP - MID	12	
6	B	CB012	7	CAGE BAR X 23 3/8\" DIAL	1	
7	-	BLTFG03751250	34	3/8\" X 1 1/4\" FN BOLT HDG		
8	-	NUTHG0375	34	3/8\" NUT HEX		
9	-	WSHFG0375	23	3/8\" FLAT WASHER HDG		
10	-	WSHLG0375	11	3/8\" LOCK WASHER HDG		

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT CONNECTIONS. INSTALL AND ALIGN ALL PARTS BEFORE FULLY TIGHTENING HARDWARE.



SIDE VIEW ASSEMBLY DETAIL



Kevin W Sheddric, PE
2016.01.11 13:22:53 -06'00'

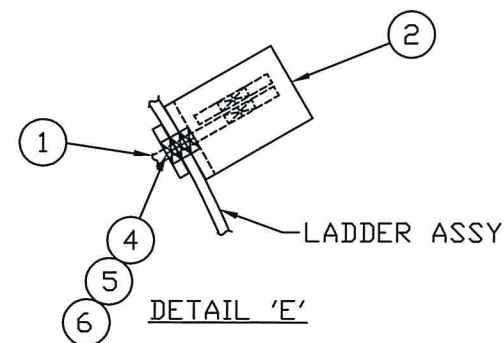
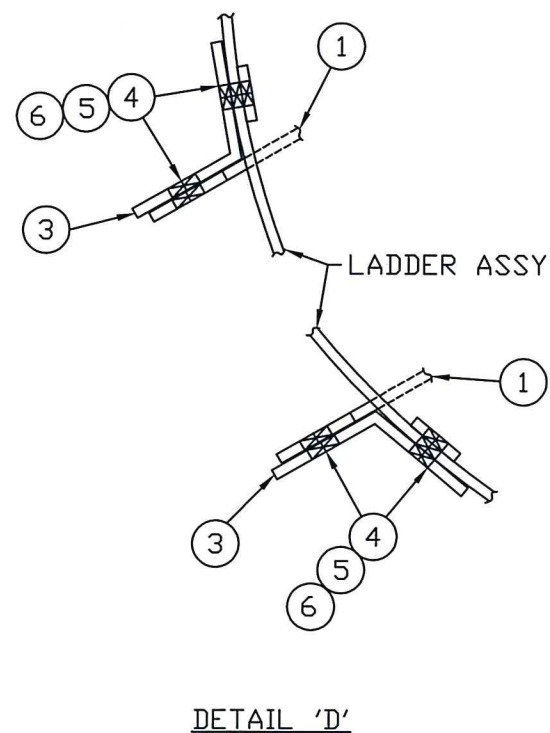
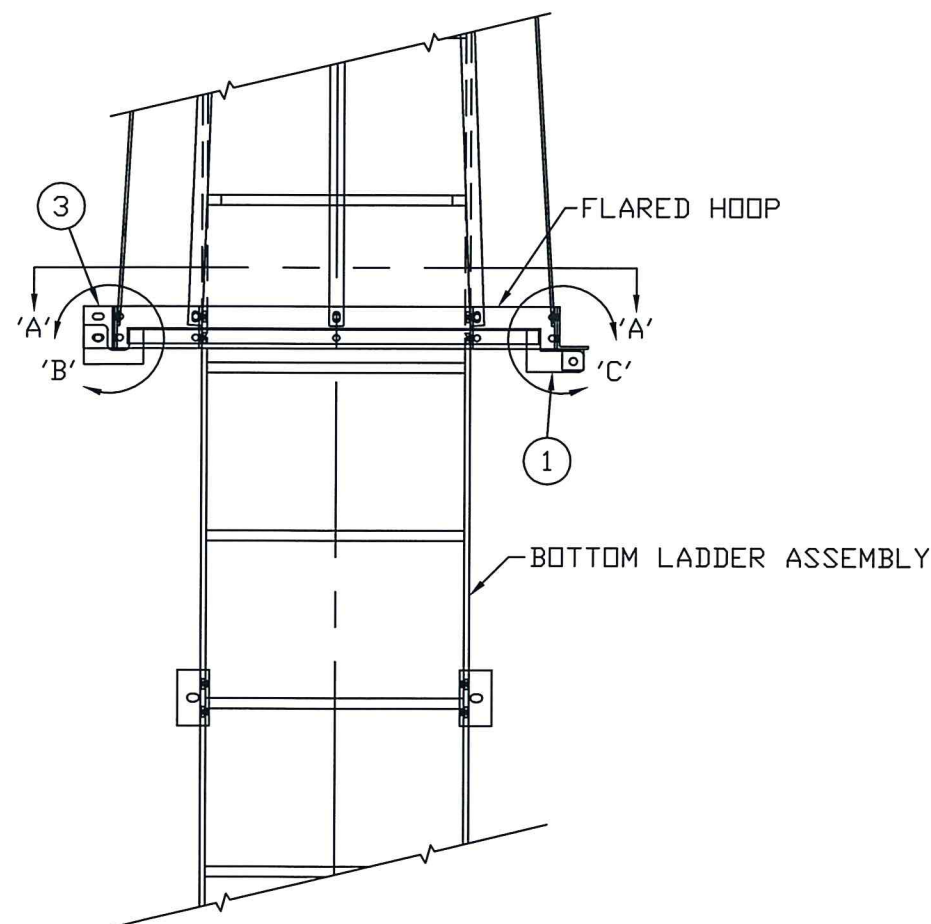
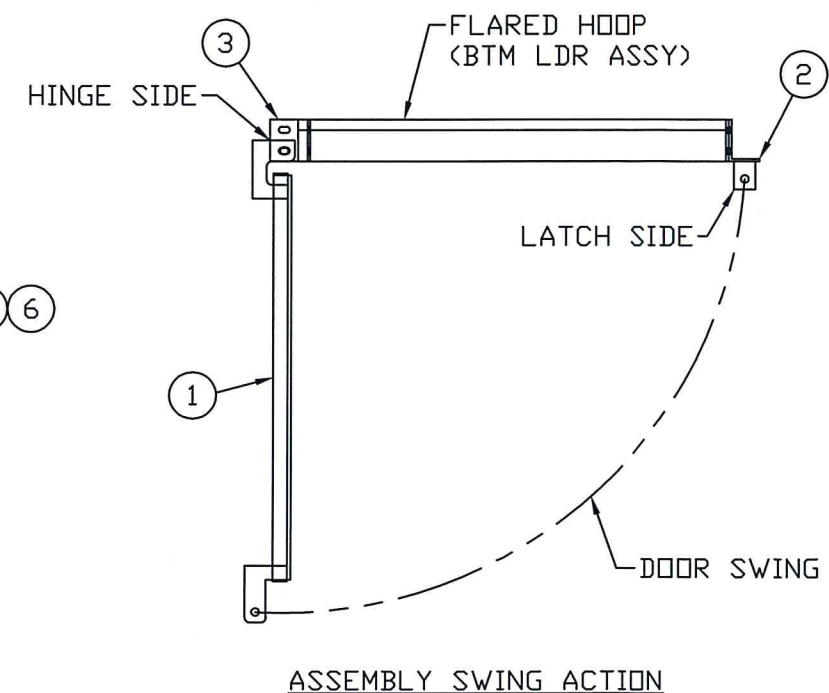
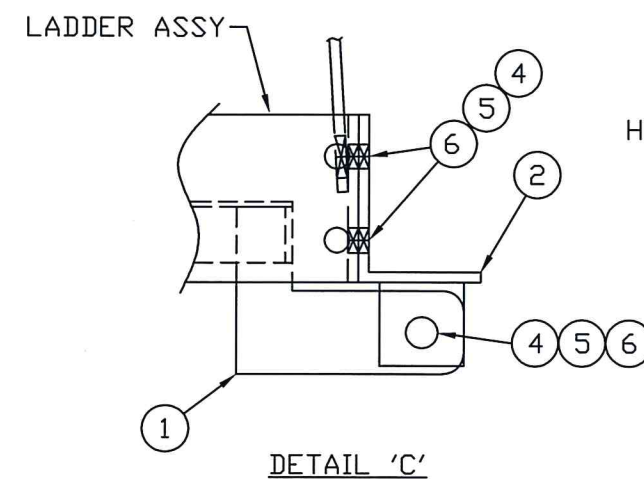
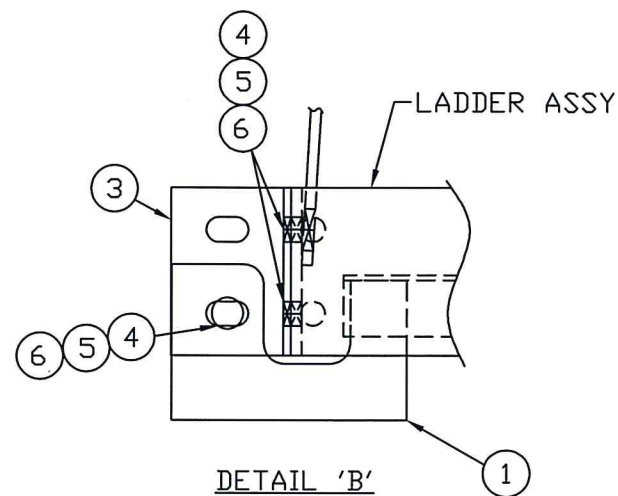
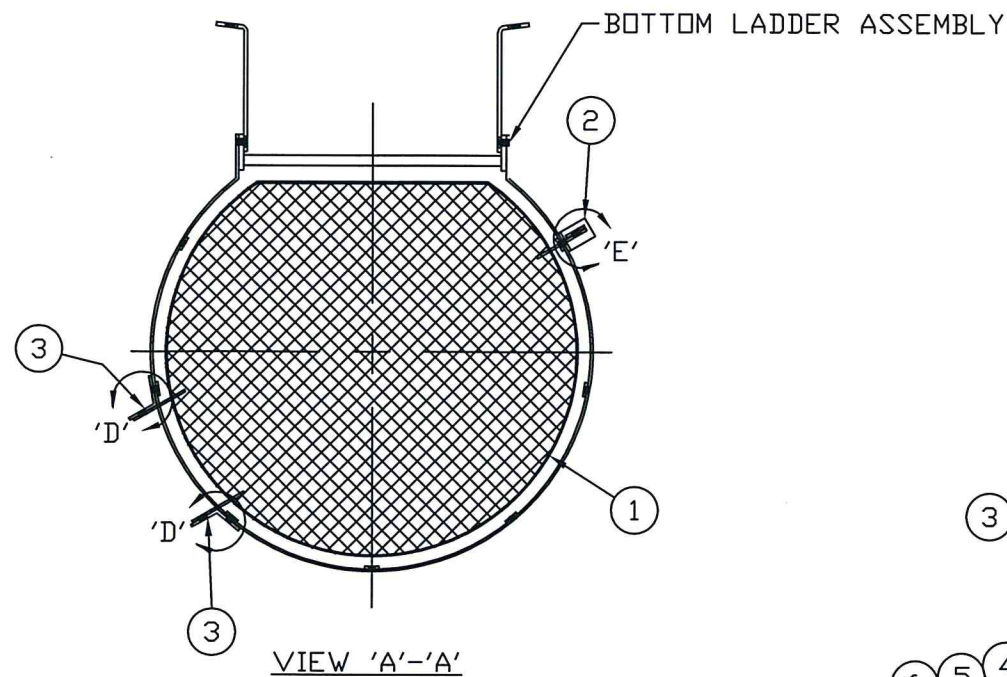
ASSEMBLY WEIGHT = 133 LBS

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REV	REVISION	DATE	BY	APP
E				
D				
C				
B	UPDATED BORDER	11/23/09	JA	DJC
A	BOTTOM CLIPS WERE LCP5	12/29/08	MC	DJC

DRAWN BY:	JT	STANDARD RING LADDER ASSY.			
DATE:	10/17/07				
REVIEWED BY:	BCR				
DATE:	10/20/07	C	SCALE: NTS	DRAWING NO.	LSA008



ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	DOOR1	1	DOOR LADDER ASSEMBLY ALUM.	6	
2	B	DOOR LK 7	1	CLIP, LOCKING DOOR HASP ALUM.	1	
3	B	DOOR LK 6	2	CLIP, LOCKING HOOP HINGE ALUM.	1	
4	-	BLTHG03751250	10	3/8" X 1 1/4" LG HEX HD BOLT		HDG
5	-	WSHFG0375	10	3/8" FLAT WASHER		HDG
6	-	NUTHG0375	10	3/8" HEX NUT		HDG



Kevin W Sheddric, PE
2016.01.11 13:23:13 -06'00'

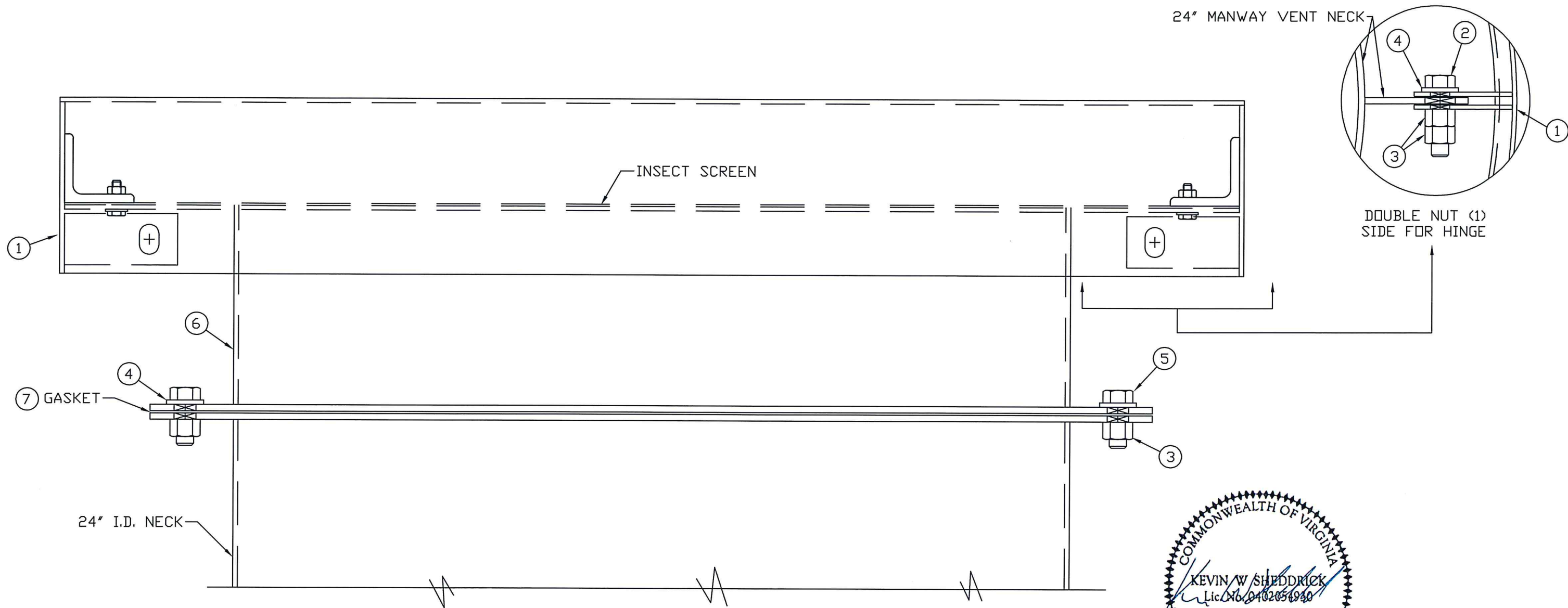
ASSY WT: 9#

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620.423.3010 • FAX: 620.423.3999

E					DRAWN BY:	AM	LADDER LOCKABLE DOOR ASSEMBLY FOR BTM SECTION		
D					DATE:	9/07/06			
C					REVIEWED BY:	SHEDD	SCALE: NTS		
B					DATE:	9/07/06			
A	REVISED BORDER	7/06/11	DJC	JM			DRAWING NO.	LKDRASSY	
REV	REVISION	DATE	BY	APP					

ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	VCA24I	1	24" 10GA INSECT VENT CAP ASSEMBLY	65	
2	-	BLTHG05002000	2	1/2" X 2" HEX HD BOLT HDG		
3	-	NUTHG0500	24	1/2" HEX NUT HDG		
4	-	WSHFG0500	22	1/2" FLAT WASHER HDG		
5	-	BLTHG05001500	20	1/2" X 1 1/2" HEX HD BOLT HDG		
6	B	VNB24	1	24" VENT NECK (BOLTED) A36	31	
7	B	GSKTE24PRV	1	24" 20HL GASKET	1	

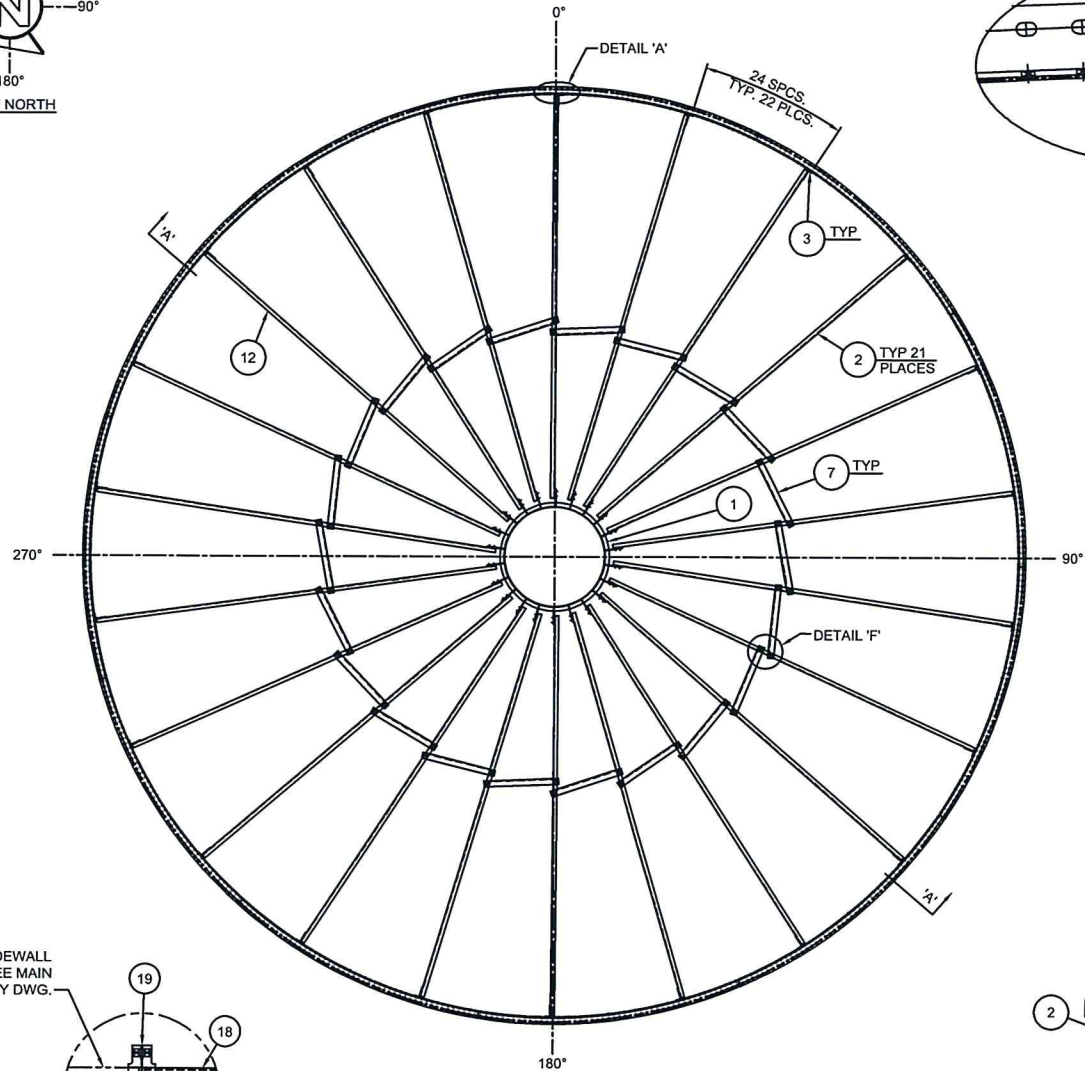
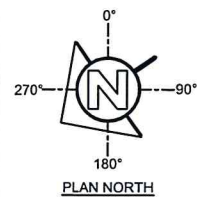


Kevin W Sheddric, PE
2016.01.11 13:23:33 -06'00'

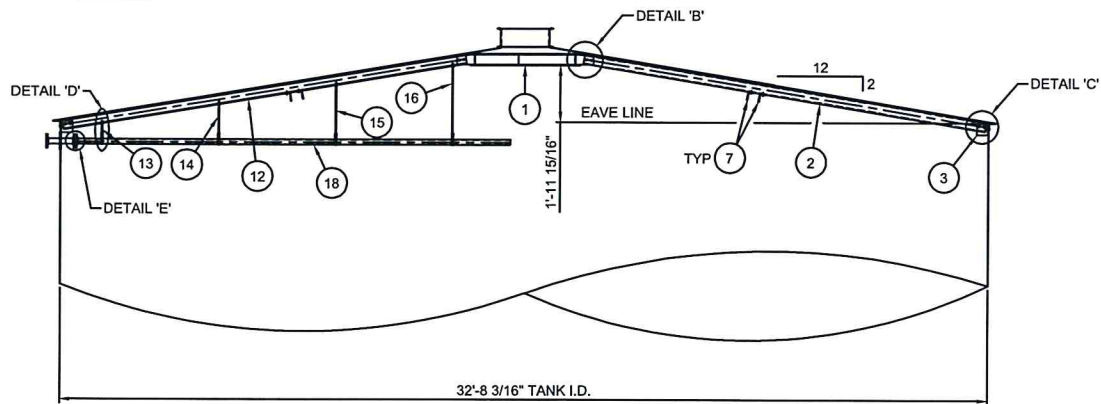
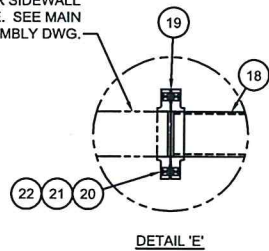
ASSY WT: 56#

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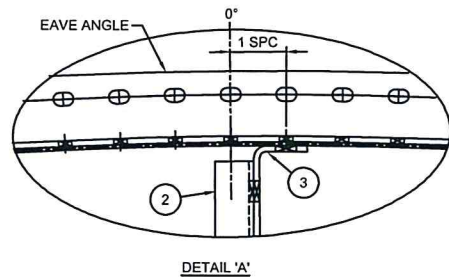
C				DRAWN BY:	JT	VENT ASSEMBLY 24"Ø W/ INSECT SCREEN			
B				DATE:	8/31/07				
A				REVIEWED BY:	DJC				
REV	BY	DATE	DESCRIPTION	DATE:	8/31/07	B	SCALE: NTS	DRAWING NO.	VAB24I



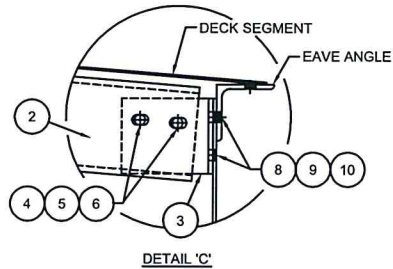
INTERIOR SIDEWALL
FLANGE. SEE MAIN
ASSEMBLY DWG.



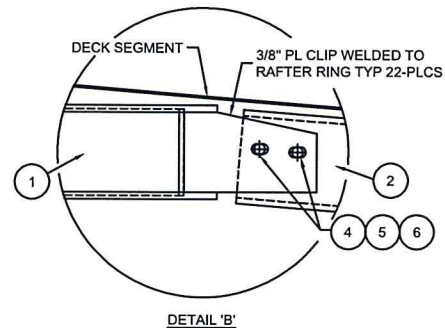
SECTION 'A-A'



DETAIL 'A'

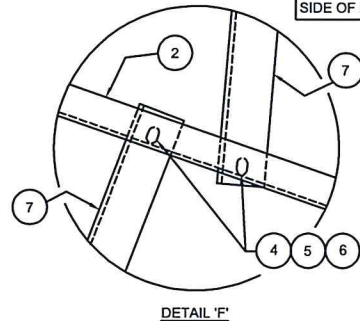


DETAIL 'C'

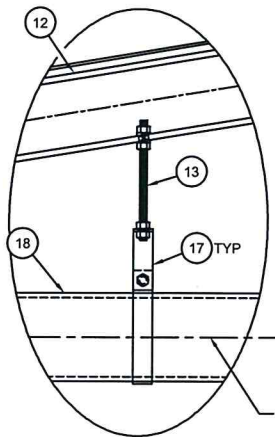


DETAIL 'B'

NOTE:
STAINLESS STEEL FLAT WASHER &
NUT TO BE ON SLOT SIDE OF RAFTER
CONNECTION.



DETAIL 'F'



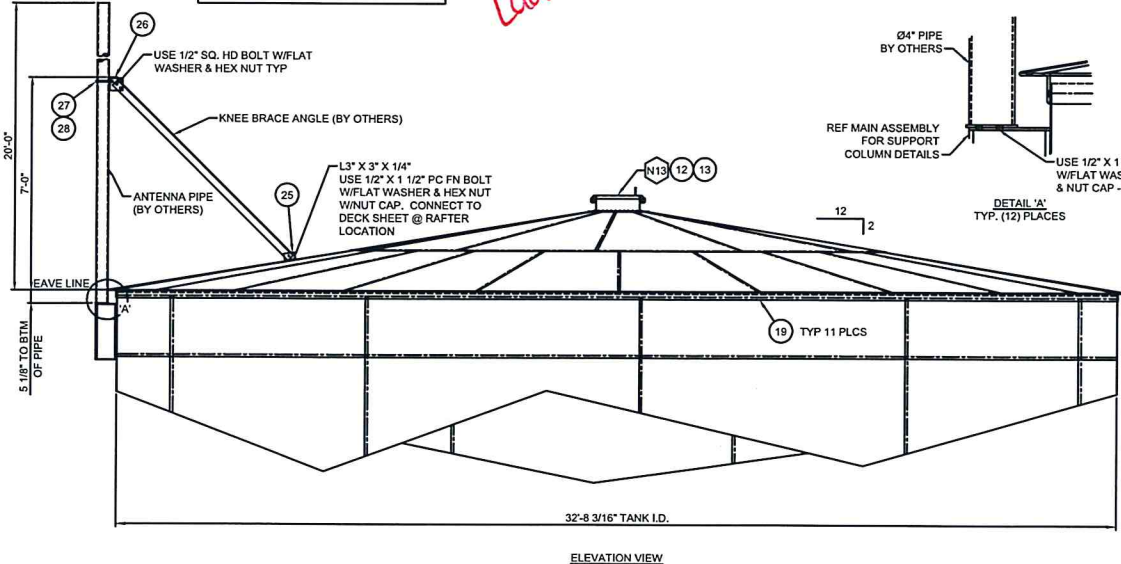
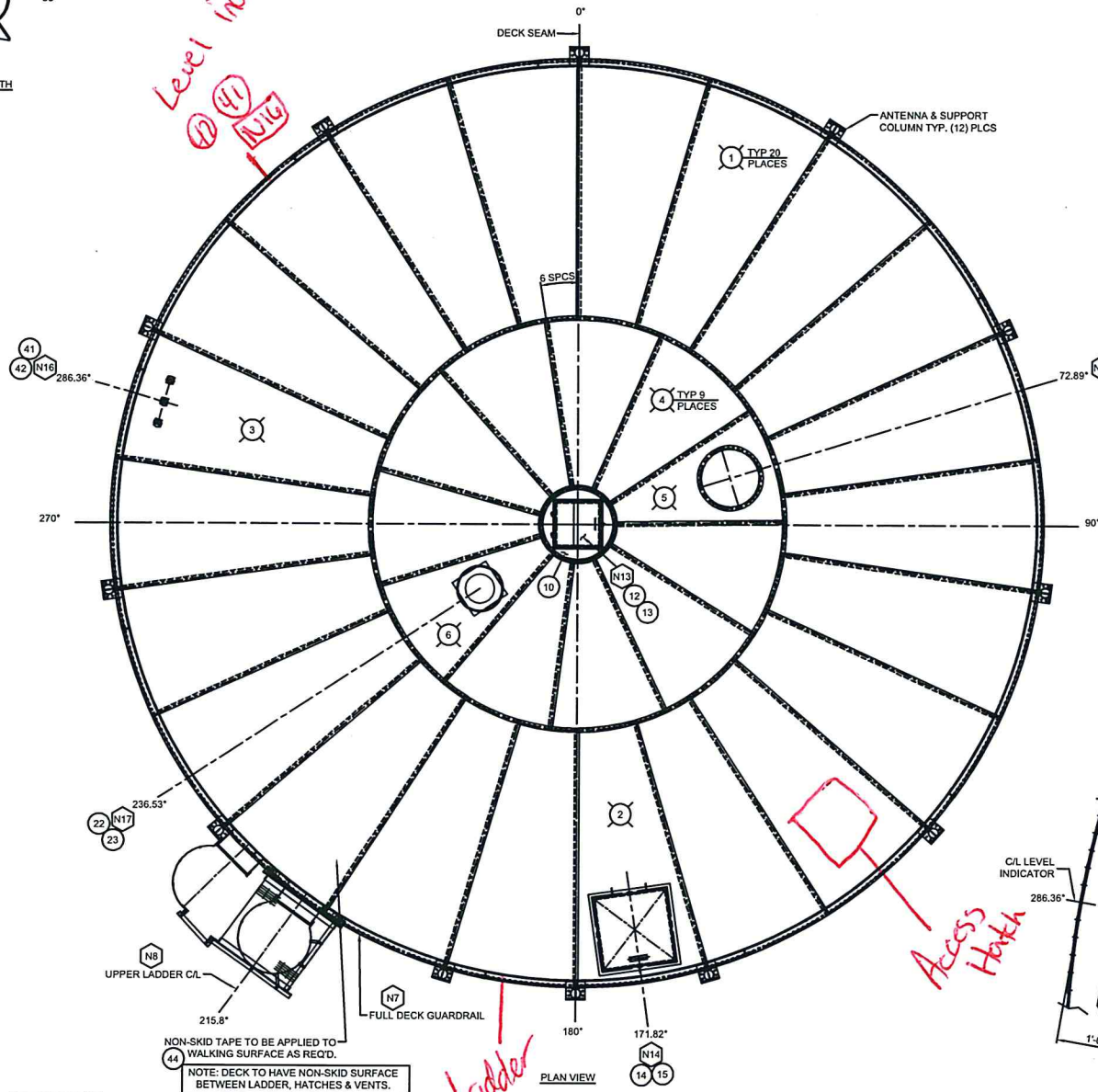
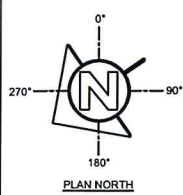
DETAIL 'D'
HANGING PIPE SUPPORT
(4) SIMILAR PLACES

ITEM	D/S	PART NO.	QTY	DESCRIPTION	MAT'L. GR.	EST. WT.	PAINT
1	B	RS4222	1	RAFTER RING 1/4PL NECK 3/8" PL FLANGE	A36	160	I
2	B	70100012	21	RAFTER C4 X 5.4# X 14'-4 9/16"	A36	78	I
3	B	70094011	22	RAFTER CLIP 1/4PL	A36	2	I
4	-	BLTHS05001500	146	1/2" X 1 1/2" HX HD BOLT SS 304	A304	-	N
5	-	WSHFS0500	146	1/2" FLAT WASHER SS304	A304	-	N
6	-	NUTHS0500	146	1/2" HEX NUT SS 304	A316	-	N
7	B	70094090	22	RAFTER BRACE ANGLE	A36	12	I
8	-	BLTFJSC105001500	48	1/2" X 1 1/2" PC FN JS1000 BOLT	GR8	-	N
9	-	WSHFJS10500F436	48	1/2" FLAT WASHER JS1000	F436	-	N
10	-	NUTHJS10500	48	1/2" HEX NUT JS1000	GR5	-	N
11	-	BTNUTC5022	48	NUT COVER EXTERIOR COBALT BLUE (RAL 5022)	-	-	N
12	B	5286001212	1	RAFTER C4 X 5.4# W/PIPE SUPPT PCHG	A36	78	I
13	-	ALLTHR3808A36	1	3/8" X 8" ALLTHREAD ROD HDG	A36	-	N
14	-	ALLTHR3816A36	1	3/8" X 16" ALLTHREAD ROD HDG	A36	-	N
15	-	ALLTHR3825A36	1	3/8" X 25" ALLTHREAD ROD HDG	A36	-	N
16	-	ALLTHR3833A36	1	3/8" X 33" ALLTHREAD ROD HDG	A36	-	N
17	-	5286001217	4	HANGER [McMASTER CARR ITEM #3037T66]	A36	-	N
18	B	5286001218	1	2" PIPE FLANGED ONE END X 15'-3 7/8" LG	A53-GRB	61	Z
19	-	EGDF0200	1	2" 150# DRILLING FLANGE GASKET	EPDM	1	N
20	-	BLTHG06252500	5	5/8" X 2 1/2" HX HD BOLT HDG	A325	-	N
21	-	NUTHG0625	5	NUT 5/8" HEX HDG	A325	-	N
22	-	WSHFG0625	5	WASHER FLAT 5/8" HDG	F436	-	N
23	-	WSHFG0325	18	WASHER FLAT 3/8" HDG	F436	-	N
24	-	WSHBG0375	5	WASHER 3/8" BEVEL HDG	GR5	-	N
25	-	NUTHG0375	18	NUT 3/8" HEX HDG	A325	-	N

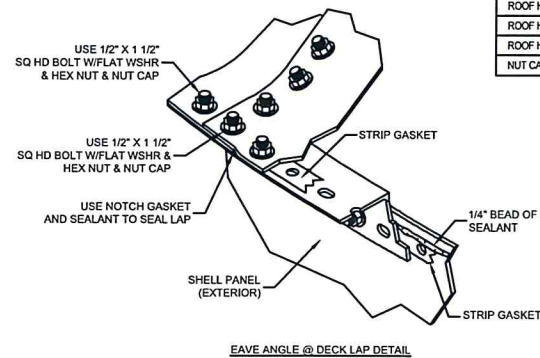
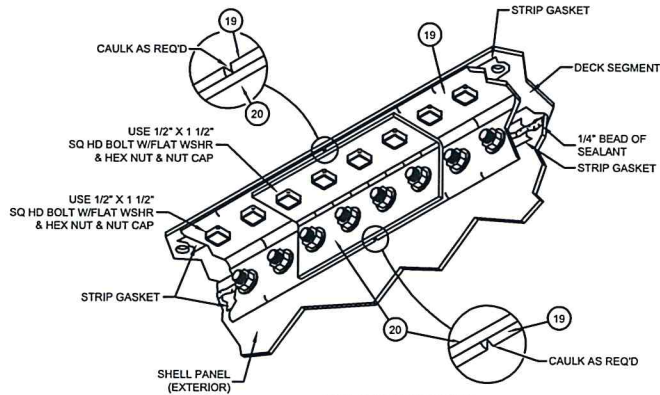
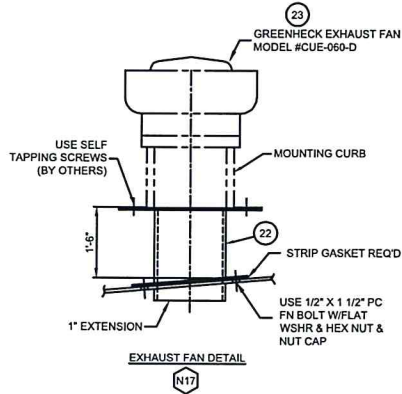
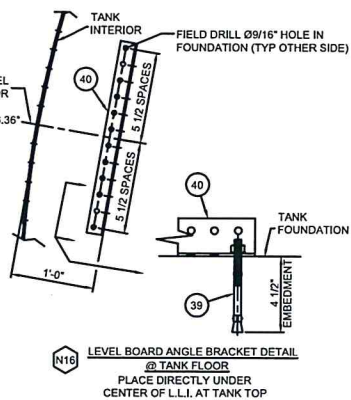
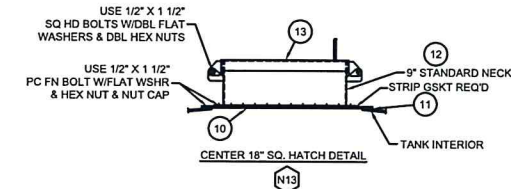
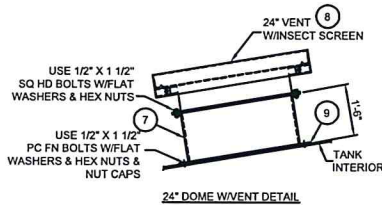
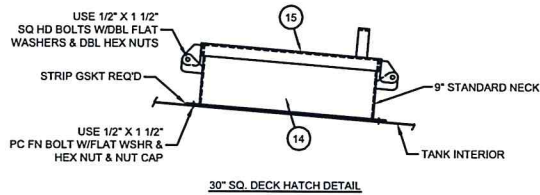


Kevin W Sheddric, PE
2016.01.11 13:24:07 -06'00'

TOTAL WT: 2,246		PARENT:		TOLERANCES UNLESS OTHERWISE NOTED		THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK CONNECTION AND/OR ITS AFFILIATES. ANY OTHER USE, RETENTION, DISSEMINATION FORWARDING, PRINTING OR COPYING OF THIS DOCUMENT TO UNAUTHORIZED PARTIES IS STRICTLY PROHIBITED. WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK CONNECTION.		CERTIFIED: APPROVED FOR CONSTRUCTION	
DO NOT SCALE DRAWING IN INCHES ANSI/ASME Y14.1 STANDARDS		ANGULAR DEVIATION		PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES		32" DIA. DECK STRUCTURE		STRUCTURE ASSY.	
3RD ANGLE PROJECTION		X = ±1.0° / X.X = ±0.5°		0 - 4" 4" - 48" 48" - 130" 130" - 240" 240" +		2:12 DECK SLOPE		DWG # DS5286001	
HOLE TO HOLE TOLERANCE:		1/32" 1/16" 5/32" 1/8" 3/16"		1/32" 1/32" 1/32" 1/16" 1/16"		DWG SIZE: C		SCALE: NTS	
TANK CONNECTION AFFILIATE GROUP		3609 NORTH 15TH ST. PARKERS, KANSAS 67357 913-433-3010 FAX: 913-433-3095		0 RELEASED FOR FABRICATION		11/03/2015 DWM CAS		REV	
						DATE		DRAWN BY	
								CHECKED BY	



ACCESSORY ORIENTATION CHART						
CUSTOMER ITEM	ITEM	SERVICE	SIZE	REF DEGREE	RADIUS	ELEVATION FROM TOP OF CONCRETE TO CENTER OF ACCESSORY UNLESS NOTED OTHERWISE
N7	-	FULL PERIMETER GUARDRAIL	STD	215.8"	-	DECK
N8	-	EXTERIOR CAGED LADDER ASSEMBLY	STD	215.8"	SHELL	-
N13	12/13	CENTER SQ. HATCH	18"	CTR	CENTER	DECK
N14	14/15	SQ. DECK HATCH	30"	171.82"	14'-4 7/8"	DECK
N15	7/8	DECK VENT	24"	72.89"	5'-8"	DECK
N16	41/42	LEVEL INDICATOR W/ GUAGE BOARD	STD	286.36"	15'-4 1/16"	DECK
N17	22/23	SQ FLANGE W/EXHAUST FAN #CUE-060-D	10 1/2"	236.53"	4'-2"	DECK



DECK: 12GA		
LOCATION	DESCRIPTION	QTY
CENTER DOME BOLTS	1/2" X 1 1/2" PC FN BOLT	33
CENTER DOME LAP BOLTS	1/2" X 1 1/2" PC FN BOLT	11
CENTER DOME WASHERS	1/2" FLAT WASHER	44
CENTER DOME NUTS	1/2" HEX NUT	44
INNER SEGMENT RADIAL SEAM BOLTS	1/2" X 1 1/4" PC FN BOLT	341
INNER TO OUTER SEGMENT BOLTS	1/2" X 1 1/4" PC FN BOLT	231
INNER TO OUTER SEGMENT LAP BOLTS	1/2" X 1 1/2" PC FN BOLT	33
INNER SEGMENT WASHERS	1/2" FLAT WASHER	605
INNER SEGMENT NUTS	1/2" HEX NUT	605
INNER SEGMENT GASKET	STRIP GASKET 1 3/4" WIDE EPDM (FEET)	135
OUTER SEGMENT RADIAL SEAM BOLTS	1/2" X 1 1/4" PC FN BOLT	1034
OUTER TO EAVE ANGLE	1/2" X 1 1/2" SQ HD BOLT	462
OUTER TO EAVE ANGLE LAP	1/2" X 1 1/2" SQ HD BOLT	22
OUTER TO EAVE ANGLE SPLICE	1/2" X 1 1/2" SQ HD BOLT	44
OUTER TO EAVE ANGLE WASHERS	1/2" FLAT WASHER	1562
OUTER TO EAVE ANGLE NUTS	1/2" HEX NUT	1562
TOTAL OUTER & EAVE GASKET	STRIP GASKET 1 3/4" WIDE EPDM (FEET)	411
DECK LAP GASKET	HEAVY NOTCH GASKET EPDM	66
ROOF HATCH TO DECK BOLTS	1/2" X 1 1/2" PC FN BOLT	56
NOZZLE & VENT TO DECK BOLTS	1/2" X 1 1/2" PC FN BOLT	125
ACCESSORY TO DECK WASHERS	1/2" FLAT WASHER	125
ACCESSORY TO DECK NUTS	1/2" HEX NUT	125
ACCESSORY TO DECK GASKET	STRIP GASKET 1 3/4" WIDE EPDM (FEET)	14
EDGE SEALANT	SEALANT (TUBES)	15
ROOF HATCH HINGE BOLTS	1/2" X 1 1/2" SQ HD BOLT	2
ROOF HATCH HINGE WASHERS	1/2" FLAT WASHER	4
ROOF HATCH HINGE NUTS	1/2" HEX NUT	4
NUT CAP SEALANT	SEALANT (TUBES)	52

NUT COVERS ON ALL EXTERIOR NUTS

FILL NUT COVERS HALF FULL OF SEALANT BEFORE INSTALLING

NOTE: EDGE SEAL AT ALL BOLTED CONNECTIONS.

NOTE: SEE FLAT LAYOUT FOR SIDEWALL DETAILS



Kevin W Sheddric, PE
2016.01.11 13:24:29 -06'00'

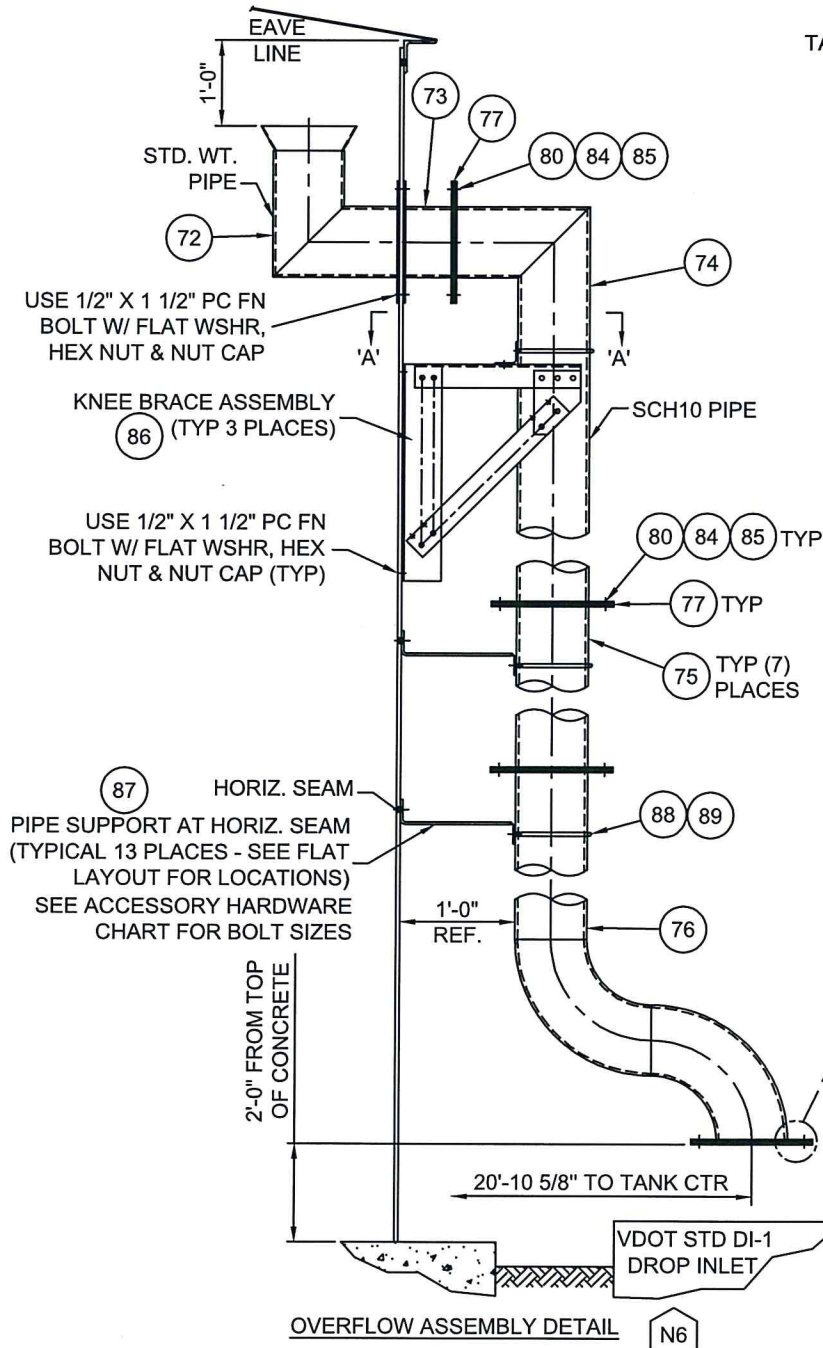
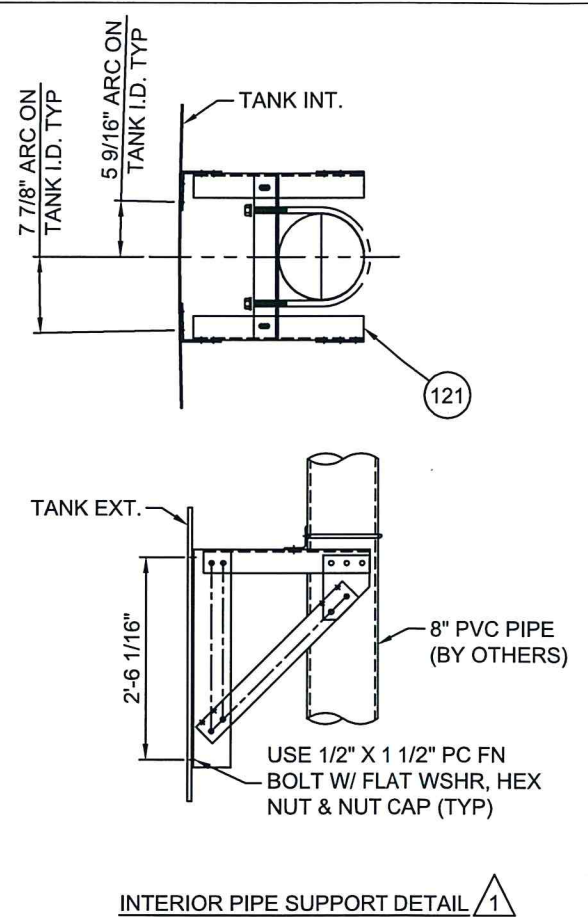
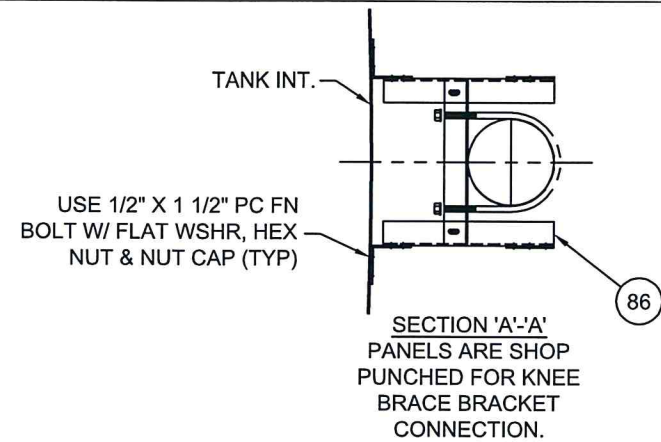
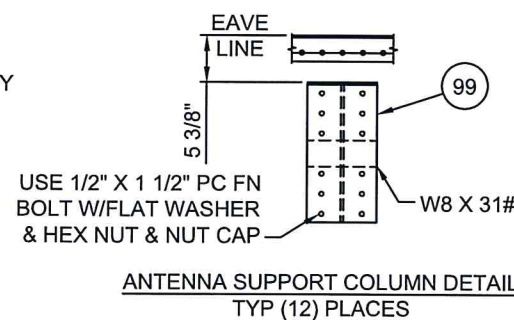
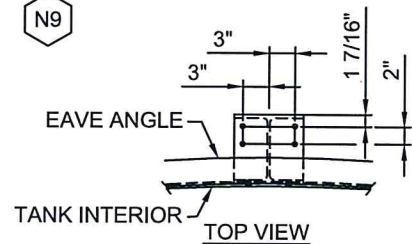
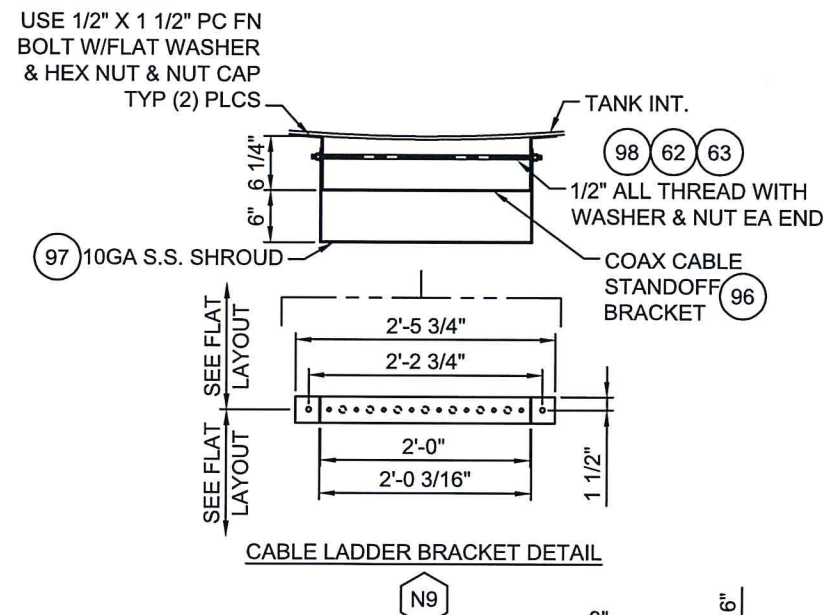
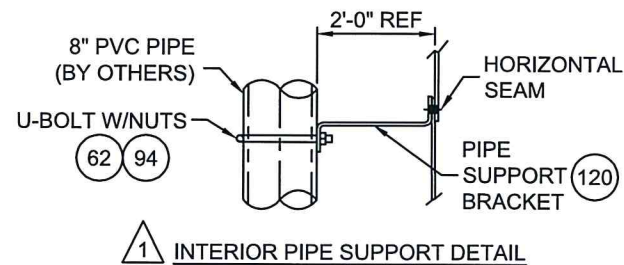
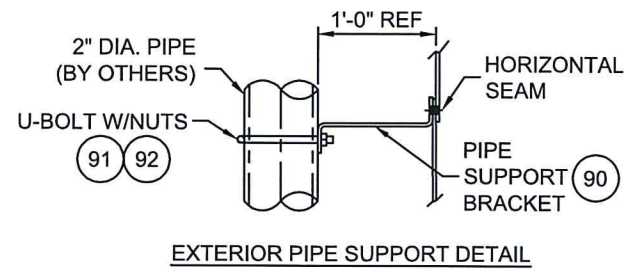
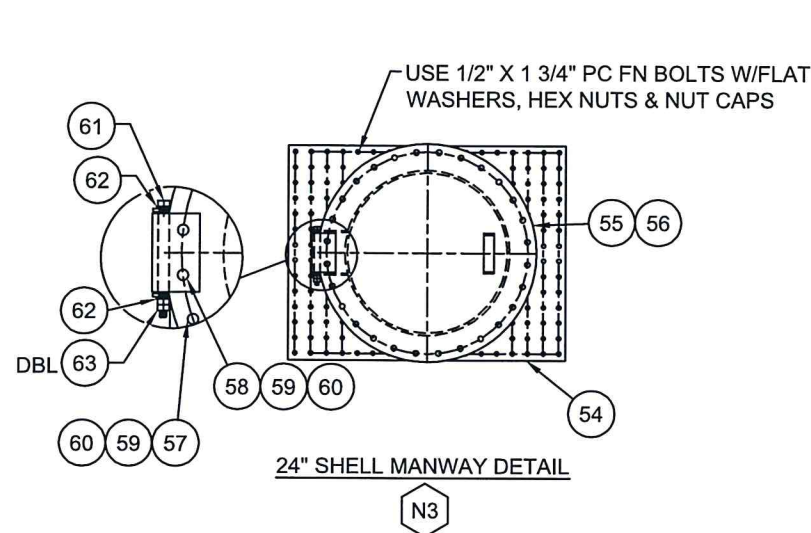
TOTAL WT: 5.042	PARENT: ---
TOLERANCES UNLESS OTHERWISE NOTED	
ANGULAR DEVIATION	PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES
X = ±1.0° / X X = 30.5°	0 - 4" 4" - 48" 48" - 130" 130" - 240" 240" -
LINEAR TOLERANCE	1/32" 1/16" 5/32" 1/8" 3/16"
HOLE TO HOLE TOLERANCE	1/32" 1/32" 1/32" 1/16" 1/16"

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REV	REVISION DESCRIPTION	DATE	DRAWN BY	CHECKED BY
0	RELEASED FOR FABRICATION	11/03/2015	DWM	CAS

CERTIFIED: APPROVED FOR CONSTRUCTION			
032'-8 3/16" DECK LAYOUT 2:12 SLOPE			
PROJ #	05286	JOB #	001
DWG #	DECK5286001		



COMMONWEALTH OF VIRGINIA
 KEVIN W. SHEDDRICK
 Lic. No. 0402054930
 PROFESSIONAL ENGINEER
 Kevin W Sheddric, PE
 2016.01.11 13:24:55 -06'00'

TOTAL WT:		PARENT: ---						THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK MANUFACTURER AND/OR ITS AFFILIATES. ANY OTHER USE, RETENTION, DISSEMINATION, FORWARDING, PRINTING OR COPYING OF THIS DOCUMENT TO UNAUTHORIZED PARTIES IS STRICTLY PROHIBITED, WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK MANUFACTURER. TANK CONNECTION AFFILIATE GROUP 3609 NORTH 16TH ST. PARSONS, KANSAS 67357 620.423.3010 . FAX: 620.423.3999							CERTIFIED: APPROVED FOR CONSTRUCTION							
DO NOT SCALE DRAWING IN INCHES ANSI/ASME Y14.1 STANDARDS  3RD ANGLE PROJECTION		TOLERANCES UNLESS OTHERWISE NOTED								ACCESSORY DETAIL SHEET				PROJ #	05286	JOB #	001					
		ANGULAR DEVIATION		PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES																		
		X = ±1.0° / X.X = ±0.5°		0 - 4"	4" - 48"	48" - 130"	130" - 240"			240"+												
		LINEAR TOLERANCE:		1/32"	1/16"	5/32"	1/8"	3/16"	1				ADDED 8" BRACKETS				12/11/2015	CAS	JBB			
		HOLE TO HOLE TOLERANCE:		1/32"	1/32"	1/32"	1/16"	1/16"	0				RELEASED FOR FABRICATION				11/3/2015	DWM	CAS			
										REV				REVISION DESCRIPTION		DATE	DRAWN BY	CHECKED BY	DWG SIZE: B		SCALE: NTS	

BOTTOM RING: 3/8" PL. 4RV		
LOCATION	DESCRIPTION	QTY
BSR HORIZ SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	484
BSR HORIZ SEAM LAP BOLTS	1/2" X 2 1/4" PC FN JS 1000 BOLT	44
BSR HORIZ SEAM WASHERS	1/2" FLAT WASHER JS1000	528
BSR HORIZ SEAM NUTS	1/2" HEX NUT JS1000	528
VERTICAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	1078
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	1078
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	1078
HORIZONTAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	484
HORIZONTAL SEAM LAP BOLTS	1/2" X 2" PC FN JS 1000 BOLT	44
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	33
EXTERIOR HARDWARE	PUSH CAPS	2134
PUSH CAP SEALANT	SEALANT (TUBES)	43

RING 2: 3/8" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	803
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	803
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	803
HORIZONTAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 2" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1331
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 3: 3/8" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	803
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	803
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	803
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 2" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1331
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 4: 5/16" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	803
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	803
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	803
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1331
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 5: 5/16" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	798
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	798
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	798
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1326
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 6: 1/4" PL. 3RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	798
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	798
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	798
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	495
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	33
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	28
EXTERIOR HARDWARE	PUSH CAPS	1326
PUSH CAP SEALANT	SEALANT (TUBES)	27

RING 7: 1/4" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 3/4" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 8: 1/4" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 9: 3/16" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 10: 3/16" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 11: 3/16" PL. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 12: 8 GA. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 13: 9 GA. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 14: 10 GA. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 15: 10 GA. 2RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	535
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	535
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	535
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	506
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	22
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	22
EXTERIOR HARDWARE	PUSH CAPS	1063
PUSH CAP SEALANT	SEALANT (TUBES)	22

RING 16: 10 GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	262
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	262
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	262
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	517
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	11
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	17
EXTERIOR HARDWARE	PUSH CAPS	790
PUSH CAP SEALANT	SEALANT (TUBES)	16

RING 17: 10 GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	262
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	262
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	262
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	517
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	11
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER JS1000	528
HORIZONTAL SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	17
EXTERIOR HARDWARE	PUSH CAPS	790
PUSH CAP SEALANT	SEALANT (TUBES)	16

TOP RING: 10 GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	43
VERTICAL SEAM WASHERS	1/2" FLAT WASHER JS1000	43
VERTICAL SEAM NUTS	1/2" HEX NUT JS1000	43
EAVE L HORIZ. SEAM BOLTS	1/2" X 1 1/4" PC FN JS 1000 BOLT	473
EAVE L HORIZ. SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	11
EAVE L HORIZ. SPLICE BOLTS	1/2" X 1 1/2" PC FN JS 1000 BOLT	44
EAVE L HORIZ. SEAM WASHERS	1/2" FLAT WASHER JS1000	528
EAVE L HORIZ. SEAM NUTS	1/2" HEX NUT JS1000	528
SHEET SEALANT	SEALANT (TUBES)	17
EXTERIOR HARDWARE	PUSH CAPS	571
PUSH CAP SEALANT	SEALANT (TUBES)	12

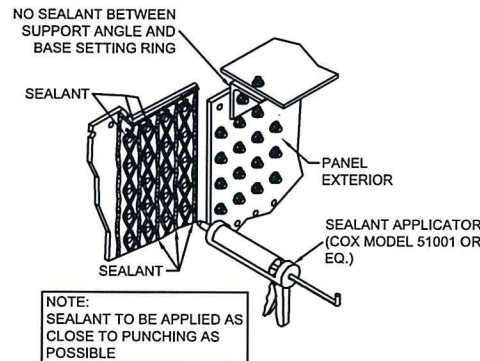
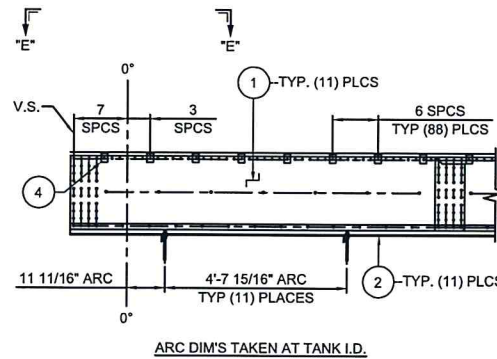
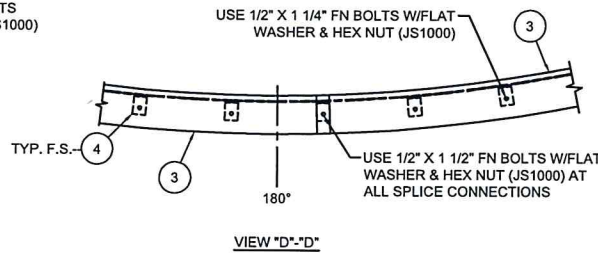
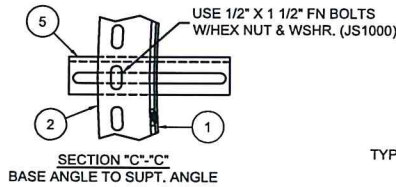
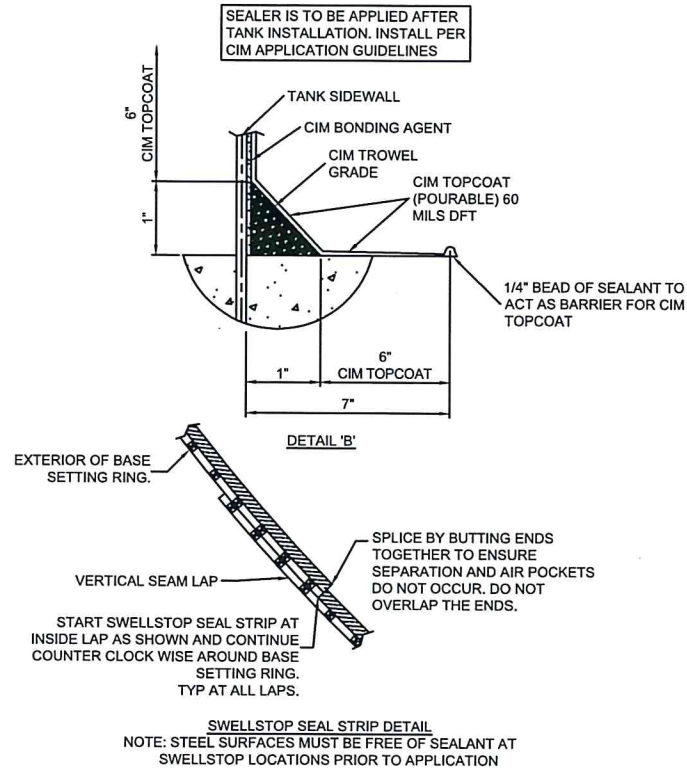
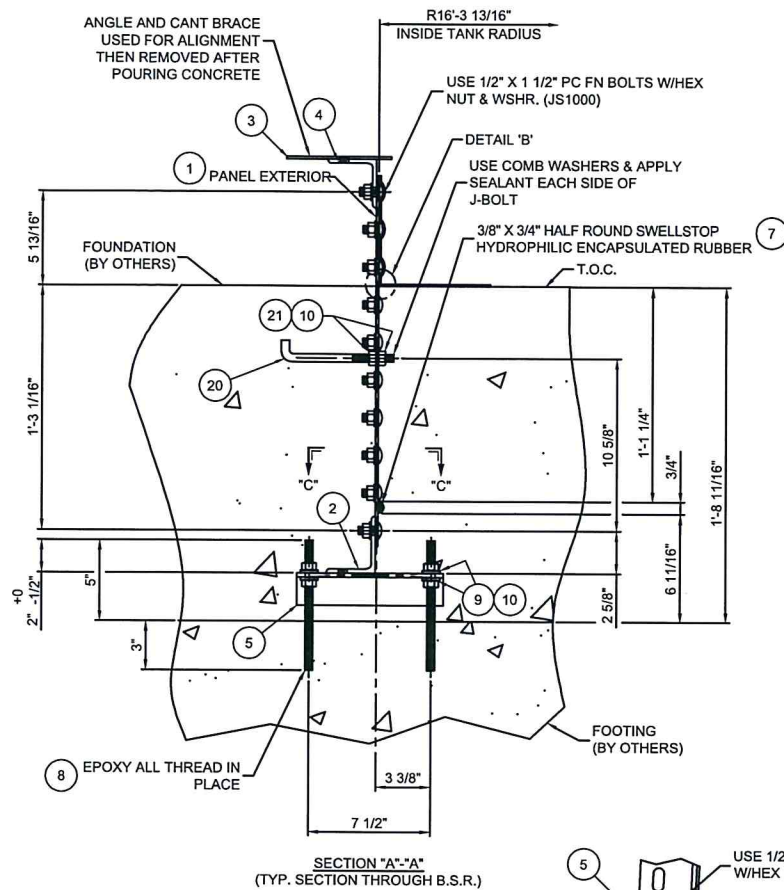
ITEM	DIS	PART NO.	QTY	DESCRIPTION	MAT'L GR.	EST. WT.	PAINT	CODE
1	-	BLTFJSC105001250	10951	1/2" X 1 1/4" PC FN JS 1000 BOLT	8	-	N	-
2	-	BLTFJSC105001500	6732	1/2" X 1 1/2" PC FN JS 1000 BOLT	8	-	N	-
3	-	BLTFJSC105001750	4695	1/2" X 1 3/4" PC FN JS 1000 BOLT	8	-	N	-
4	-	BLTFJSC105002000	122	1/2" X 2" PC FN JS 1000 BOLT	8	-	N	-
5	-	BLTFJSC105002250	48	1/2" X 2 1/4" PC FN JS 1000 BOLT	8	-	N	-
6	-	WSHFJS10500F436	21497	1/2" FLAT WASHER JS1000	F436	-	N	-
7								
8	-	NUTHJS10500	21497	1/2" HEX NUT JS1000	5	-	N	-
9	-	WEDGEN1	13	BREAKABLE NYLON WEDGE GASKET	-	-	N	-
10	-	MANUSB	927	MANUS 75-AM BLACK NSF-61 CERTIFIED	-	-	N	-
11	-	BTNUTC5022	21497	NUT COVER EXTERIOR COBALT BLUE (RAL 5022)	-	-	N	-

NOTE: FILL PUSH CAPS HALF FULL OF SEALANT BEFORE INSTALLING.



Kevin W Sheddric, PE
2016.01.11 13:25:20 -06'00'

TOTAL WT: ---		PARENT: ---		TOLERANCES UNLESS OTHERWISE NOTED		THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK CONNECTION. ANY OTHER USE, REPRODUCTION, DISSEMINATION, FORWARDING, PRINTING OR COPYING OF THIS DOCUMENT TO UNAUTHORIZED PARTIES IS STRICTLY PROHIBITED. WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK CONNECTION.		APPROPRIATE GROUP		CERTIFIED: APPROVED FOR CONSTRUCTION	
DO NOT SCALE DRAWING IN INCHES ANSI/ASME Y14.1 STANDARDS		ANGULAR DEVIATION X = ±1.0° / X.X = ±0.5°		PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES 0 - 4" 4" - 48" 48" - 130" 130" - 240" 240" +		HARDWARE SHEET 32-8 3/16" DIA. X 83-9 7/16" TANK HT.		PROJ # 05286 JOB # 001		DWG # HRDW05286001	
3RD ANGLE PROJECTION		HOLE TO HOLE TOLERANCE		1/32" 1/32" 1/32" 1/16" 1/16"		REV		RELEASED FOR FABRICATION		11/20/15 DWM CAS	
						DATE		DRAWN BY		CHECKED BY	
								DWG SIZE: D		SCALE: NTS	



Kevin W. Sheddric, PE
2016.01.11 13:29:52

TOTAL WT: 5,236	PARENT: ---
DO NOT SCALE	TOLERANCES UNLESS OTHERWISE NOTED
DRAWING IN INCHES	ANGULAR DEVIATION
ANSI/ASME Y14.1 STANDARDS	$X = \pm 1.0^\circ / X X = \pm 0.5^\circ$
3RD ANGLE PROJECTION	PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES
	0 - 4" 4" - 48" 48" - 130" 130" - 240" 240" -
	LINEAR TOLERANCE: 1/32" 1/16" 5/32" 1/8" 3/16"
	HOLE TO HOLE TOLERANCE: 1/32" 1/32" 1/32" 1/16" 1/16"

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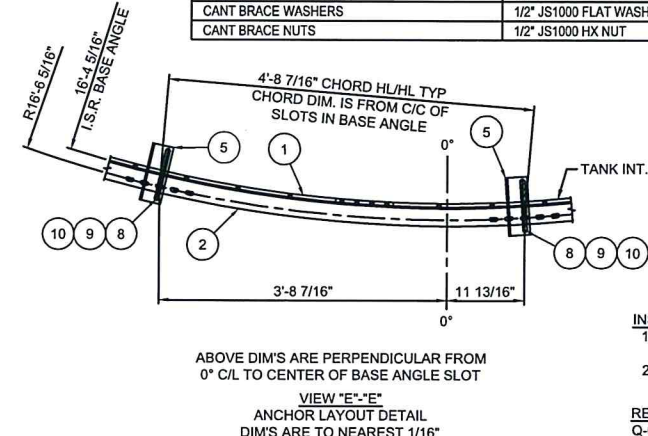
REV	REVISION DESCRIPTION	DATE	DRAWN BY	CHECKED BY
0	RELEASED FOR FABRICATION	10/20/2015	CAS	JEB

CERTIFIED: APPROVED FOR CONSTRUCTION	
BASE SETTING RING FOR Ø32"-8 3/16" BOLTED STEEL TANK	PROJ # 05286 JOB # 001
DWG # BSR0325286001	

ITEM	D/S	PART NO.	QTY	DESCRIPTION	MAT'L GR.	EST. WT.	PAINT	CODE
1	B	5286001101	11	BSR PANEL 1/2" 4RV	GR50	391	1/E	-
2	B	5286001102	11	BASE ANGLE 3 1/2 X 3 X 1/4"	A36	45	N	-
3	B	5286001103	11	CANT BRACE 10GA.	GR40	26	I	-
4	B	475002004	88	ANGLE 3" X 3" X 1/4" X 2" LG.	A36	1	I	-
5	B	1211001030	22	SUPPORT CLIP 1/4" PL X 9" LG.	A36	3	N	-
6	-	SWSTADH	1	(GALS.) SWELLSTOP PRIMER ADHESIVE	-	-	N	-
7	-	SWSTHR383425	5	(25' ROLLS) 3/8" X 3/4" HALF ROUND SWELLSTOP	-	-	N	-
8	-	ALLTHR1213	44	ALL THREAD 1/2"-13 UNC X 13"	-	-	N	-
9	-	WSHFG0500	97	1/2" FLAT WASHER HDG	SAE	-	N	-
10	-	NUTHG0500	266	1/2" HEX NUT HDG	GR5	-	N	-
11	-							
12	-	BLTFJSC105001750	242	1/2" X 1 3/4" PC FN BOLT JS1000	GR8	-	N	-
13	-	BLTFJSC105002000	387	1/2" X 2" PC FN BOLT JS1000	GR8	-	N	-
14	-	BLTFJSC105002250	48	1/2" X 2 1/4" PC FN BOLT JS1000	GR8	-	N	-
15	-	BLTFJS105001250	85	1/2" X 1 1/4" FN BOLT JS1000	GR8	-	N	-
16	-	BLTFJS105001500	36	1/2" X 1 1/2" FN BOLT JS1000	GR8	-	N	-
17	-	WSHFJS10500F436	799	1/2" FLAT WASHER JS1000	F436	-	N	-
18	-	NUTHJS10500	799	1/2" HEX NUT JS1000	GR5	-	N	-
19	-	MANUSB	36	MANUS (BLACK) 200Z. TUBES	-	-	N	-
20	-	JBOLT05008LG	77	1/2" X 8" J-BOLT	-	-	N	-
21	-	WSHCG0500	169	1/2" COMBINATION WASHER GALV/NEOPRENE	-	-	N	-
22	-	HIRE500111SD	2	HILTI COMPOUND ADHESIVE RE500SD 11.1	-	-	N	-
23	-	HILTIAPP	1	HILTI APPLICATOR	-	-	N	-
24	-	CIM1000SEAL	1	CIM1000 TROWEL GRADE SEALANT 4 1/2 GA. UNIT	-	-	N	-
25	-	CIM1000ACT	1	CIM1000 SEALANT ACTIVATOR 1/2 GAL.	-	-	N	-
26	-	CIM1061SEALPOUR	2	CIM1061 POURABLE GRADE SEALANT 4 1/2 GA. UNIT	-	-	N	-
27	-	CIM1061ACT	2	CIM1061 SEALANT ACTIVATOR 1/2 GAL.	-	-	N	-
28	-	CIMBONDAG	2	CIM BONDING AGENT (1 GAL. UNIT)	-	-	N	-
29	-	MANUSAPP	1	MANUS APPLICATOR	-	-	N	-
30	-	HA000Q	55	WHITE PRIMER (POWDER)	-	-	-	-
31	-	QH0007	12	COBALT BLUE RAL5022 TOP COAT (POWDER)	-	-	-	-
32	-	TUEGA011/5	2	PRIMER BASE (TOUCH UP)	-	-	-	-
33	-	TUEGA247/1	2	PRIMER CATALYST (TOUCH UP)	-	-	-	-
34	-	TUN22Q	2	COBALT BLUE RAL5022 TOP COAT BASE (TOUCH UP)	-	-	-	-
35	-	TU870HS	2	TOP COAT CATALYST (TOUCH UP)	-	-	-	-
36	-	PNTBRH12	4	PAINT BRUSH 1/2"	-	-	-	-

ROLL PANELS TO 32"-8 3/16" I.D.
PAINT NOTE: STD. MIL COVERAGE

B.S.R. 1/2" PL GR50 4RV		
LOCATION	DESCRIPTION	QTY
J-BOLT TO PANEL WASHERS	1/2" COMBINATION WASHER	154
J-BOLT TO PANEL NUTS	1/2" HX NUT HDG	154
SUPT. ANGLE TO ALL THREAD WASHERS	1/2" FLAT WASHER HDG	88
SUPT. ANGLE TO ALL THREAD NUTS	1/2" HX NUT HDG	88
BASE L TO SUPT. L BOLTS	1/2" X 1 1/2" FN JS1000 BOLT	22
BASE L TO SUPT. L WASHERS	1/2" JS1000 FLAT WASHER	22
BASE L TO SUPT. L NUTS	1/2" JS1000 HX NUT	22
BASE L HORIZONTAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS1000 BOLT	132
BASE L HORIZONTAL SEAM LAP BOLTS	1/2" X 2 1/4" PC FN JS1000 BOLT	44
BASE L HORIZONTAL SEAM WASHERS	1/2" JS1000 FLAT WASHER	176
BASE L HORIZONTAL SEAM NUTS	1/2" JS1000 HX NUT	176
VERTICAL SEAM BOLTS	1/2" X 2" PC FN JS1000 BOLT	352
VERTICAL SEAM WASHERS	1/2" JS1000 FLAT WASHER	352
VERTICAL SEAM NUTS	1/2" JS1000 HX NUT	352
PANEL SEALANT	SEALANT (TUBES)	33
CIM BARRIER SEALANT	SEALANT (TUBES)	3
TEMPORARY HARDWARE FOR ANGLE & CANT BRACE INSTALLATION		
LOCATION	DESCRIPTION	QTY
ITEM #4 HORIZONTAL SEAM BOLTS	1/2" X 1 3/4" PC FN JS1000 BOLT	88
ITEM #4 HORIZONTAL SEAM WASHERS	1/2" JS1000 FLAT WASHER	88
ITEM #4 HORIZONTAL SEAM NUTS	1/2" JS1000 HX NUT	88
CANT BRACE BOLTS	1/2" X 1 1/4" FN JS1000 BOLT	77
CANT BRACE LAP BOLTS	1/2" X 1 1/2" FN JS1000 BOLT	11
CANT BRACE WASHERS	1/2" JS1000 FLAT WASHER	88
CANT BRACE NUTS	1/2" JS1000 HX NUT	88

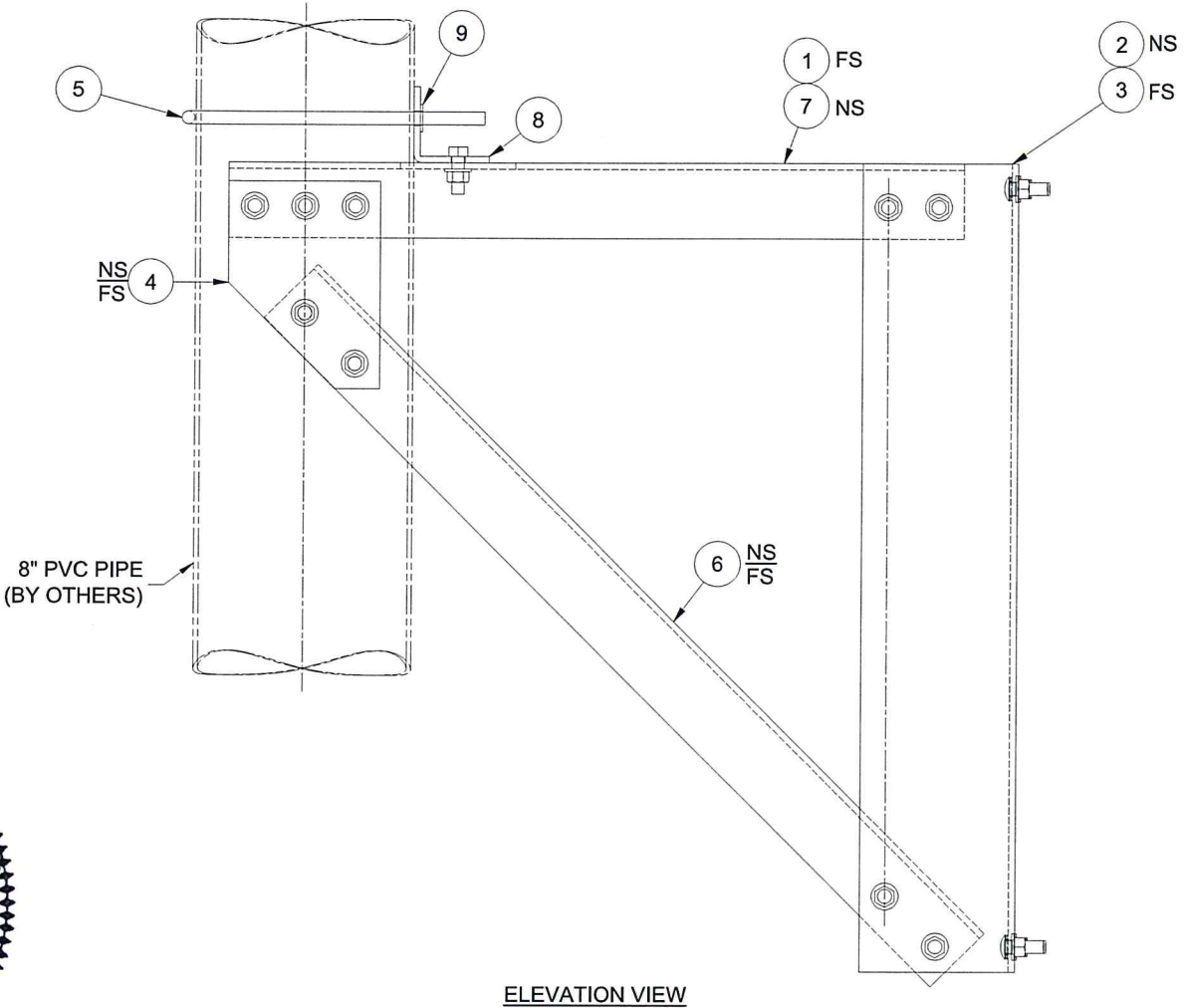
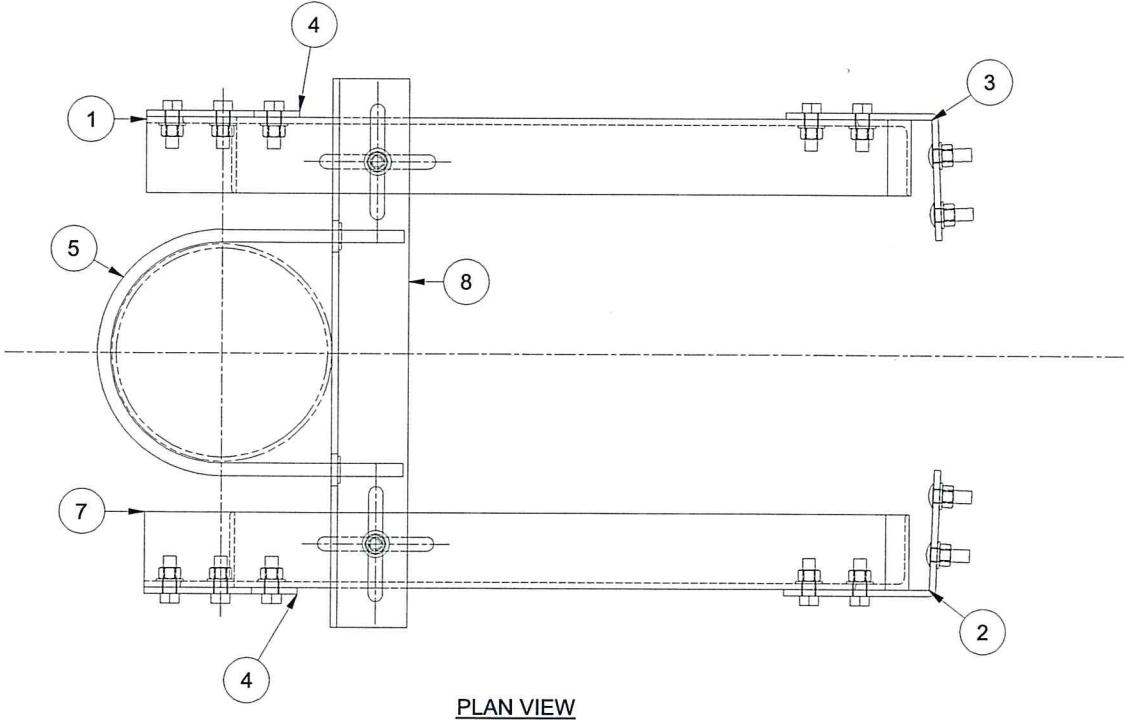


ABOVE DIM'S ARE PERPENDICULAR FROM 0° C/L TO CENTER OF BASE ANGLE SLOT

- INSTALLATION NOTES:
- 1.) BASE SETTING RING TO BE LEVEL WITHIN 1/16".
 - 2.) BASE SETTING RING TO BE CONCENTRIC WITHIN 1/4".

REFERENCE DRAWINGS
Q-046-BASE SETTING RING INSTALLATION
CIM 1061 APPLICATION GUIDELINES-Q-038

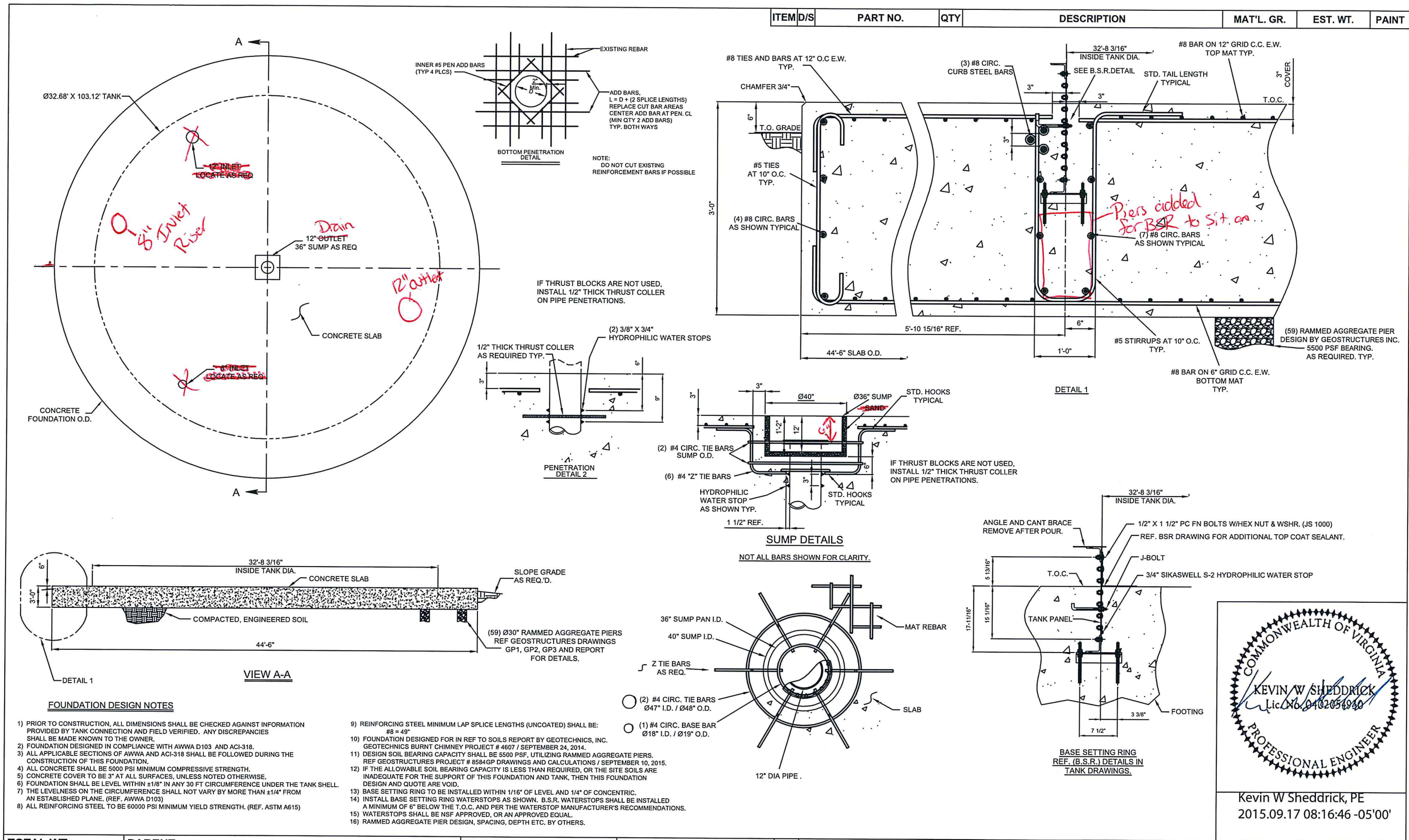
ITEM	D/S	PART NO.	QTY	DESCRIPTION	MAT'L. GR.	EST. WT.	PAINT	CODE
1	B	05286001910	1	FORMED PL 1/4" X 29 1/16" LG -LH	A36	11	I	-
2	B	05286001909	1	FORMED PL 1/4" X 32 1/16" LG -RH	A36	24	I	-
3	B	05286001908	1	FORMED PL 1/4" X 32 1/16" LG -LH	A36	24	I	-
4	B	1009004098	2	KNEE BRACE GUSSET 1/4" PL	A36	3	I	-
5	-	UBLTG8625	1	8" U-BOLT W/ NUTS HDG	A36	2	N	-
6	B	05286001907	2	L3" X 3" X 1/4" X 37 1/2" LG	A36	15	I	-
7	B	05286001911	1	FORMED PL 1/4" X 29 1/16" LG -RH	A36	11	I	-
8	B	05286001904	1	FORMED PL 1/4" X 21 11/16" LG	A36	8	I	-
9	-	WSHFG0500	3	WASHER 1/2" FLAT HDG	HDG	0	N	-
10	-	BLTFJSC105001500	9	BOLT 1/2" X 1 1/2" FN PC JS1000 GR8	GR 8	0	N	-
11	-	WSHFJS10500F436	31	WASHER FLAT 1/2" JS1000	F436	0	N	-
12	-	NUTHJS10500	31	NUT HEX 1/2" JS1000 GR5	GR 5	0	N	-
13	-	BLTSQJS105001500	22	BOLT 1/2" X 1 1/2" SQ. HD. JS1000 GR8	GR 8	0	N	-
14	-	NUTC5022	9	NUT COVER EXTERIOR COBALT BLUE	-	-	-	-



Kevin W Sheddric, PE
2016.01.11 13:26:25 -06'00'

NOTE: INSTALL PUSH CAPS ON ALL EXTERIOR NUTS. NOTE: FILL PUSH CAPS HALF FULL OF SEALANT BEFORE INSTALLING NOTE: USE FN PC BOLTS FOR BRKT TO SIDEWALL CONNECTIONS.

TOTAL WT: 116		PARENT: ---						THE INFORMATION ON THIS DOCUMENT IS CONFIDENTIAL PROPERTY OF TANK CONNECTION AND/OR ITS AFFILIATES. ANY OTHER USE, RETENTION, DISSEMINATION, FORWARDING, PRINTING OR COPYING OF THIS DOCUMENT TO UNAUTHORIZED PARTIES IS STRICTLY PROHIBITED, WITHOUT THE EXPRESSED WRITTEN CONSENT OF TANK CONNECTION MANUFACTURER. TANK CONNECTION AFFILIATE GROUP 3609 NORTH 16TH ST. • PARSONS, KANSAS 67357 620.423.3010 • FAX: 620.423.3995								CERTIFIED: APPROVED FOR CONSTRUCTION								
DO NOT SCALE DRAWING IN INCHES ANSI/ASME Y14.1 STANDARDS		TOLERANCES UNLESS OTHERWISE NOTED								0		RELEASED FOR FABRICATION		12/11/2015		CAS		JBB		INTERIOR 8" PIPE SUPPORT BRACKET		PROJ # 05286 JOB # 001		
		ANGULAR DEVIATION		PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES																				
		X = ±1.0° / X.X = ±0.5°		0 - 4"	4" - 48"	48" - 130"	130" - 240"																	240"+
		LINEAR TOLERANCE:		1/32"	1/16"	5/32"	1/8"																	3/16"
HOLE TO HOLE TOLERANCE:		1/32"	1/32"	1/32"	1/16"	1/16"			REV		REVISION DESCRIPTION		DATE		DRAWN BY		CHECKED BY		DWG SIZE: B		SCALE: NTS		DWG # KBA05286001	



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DO NOT SCALE DRAWING IN INCHES ANSI/ASME Y14.1 STANDARDS		TOLERANCES UNLESS OTHERWISE NOTED						3	FOR FINAL APPROVAL	9/15/2015	RWK	JDW	BSR SLAB FOUNDATION FSRC FRANKLIN Co., VA		PROJ #	05286	JOB #	001
ANGULAR DEVIATION		PERMISSIBLE DEVIATION NOMINAL LENGTH IN INCHES						2	ADD ADDITIONAL PIPE PENN	7/29/2015	RWK	JDW						
X = ±1.0° / X.X = ±0.5°		0 - 4" 4" - 48" 48" - 130" 130" - 240" 240"+						1	ADD SUMP AND DETAILS	7/28/2015	RWK	JDW	DWG #	TC FND 05286-001				
LINEAR TOLERANCE:		1/32" 1/16" 5/32" 1/8" 3/16"						0	APPROVED	7/22/2015	RWK	JDW						
HOLE TO HOLE TOLERANCE:		1/32" 1/32" 1/32" 1/16" 1/16"		REV	REVISION DESCRIPTION	DATE	DRAWN BY	CHECKED BY	DWG SIZE: B	SCALE: NTS								
 3RD ANGLE PROJECTION																		