

FIGURE NO. 1

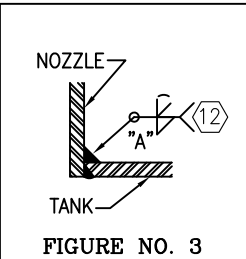


FIGURE NO. 3

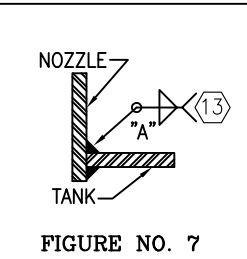


FIGURE NO. 7

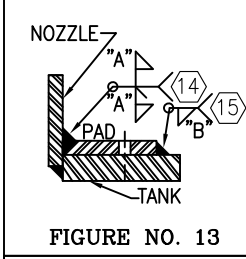


FIGURE NO. 13

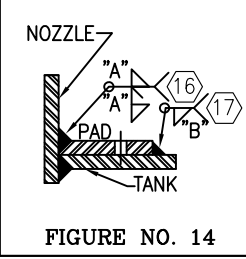
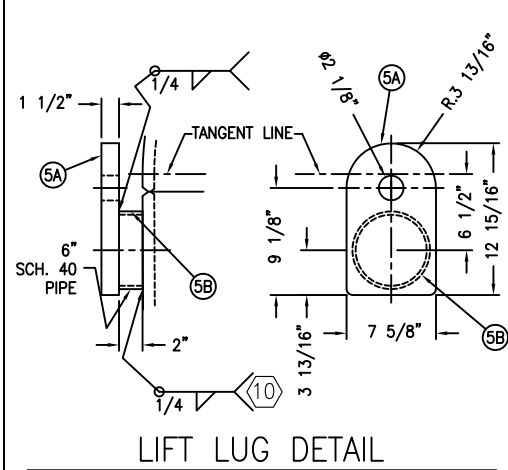
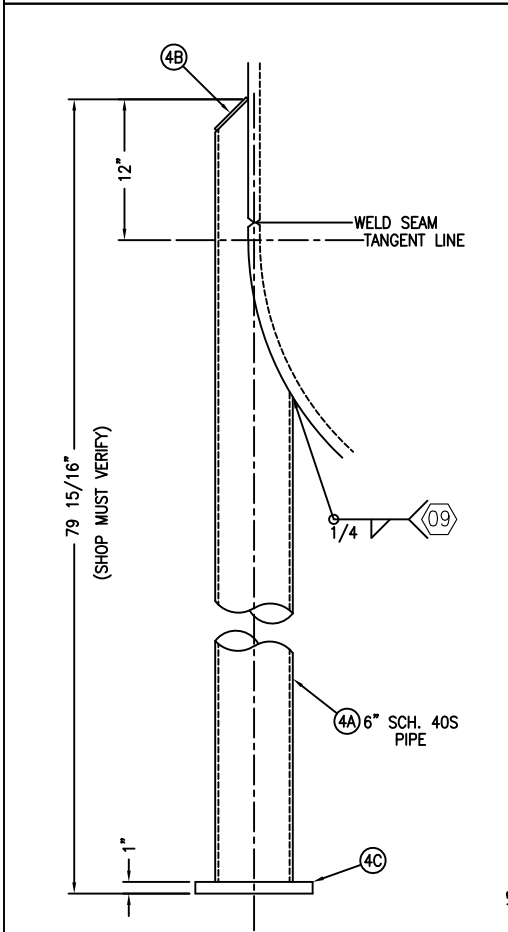


FIGURE NO. 14



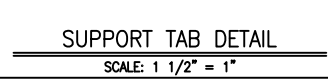
LIFT LUG DETAIL

SCALE: 1 1/2" = 1"



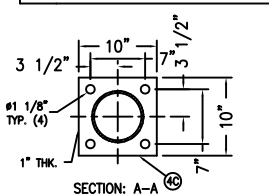
SUPPORT LEG DETAIL

SCALE: 1 1/2" = 1'-0"

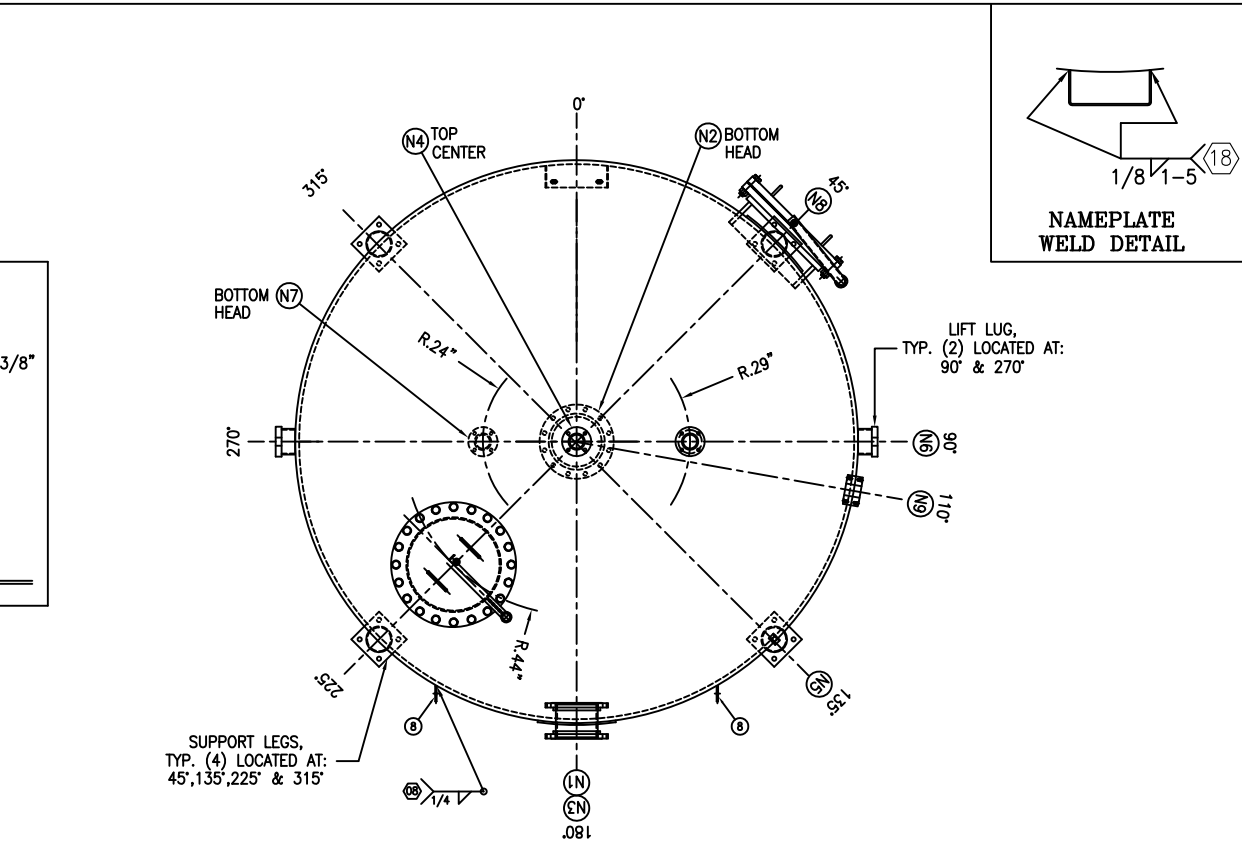


SUPPORT TAB DETAIL

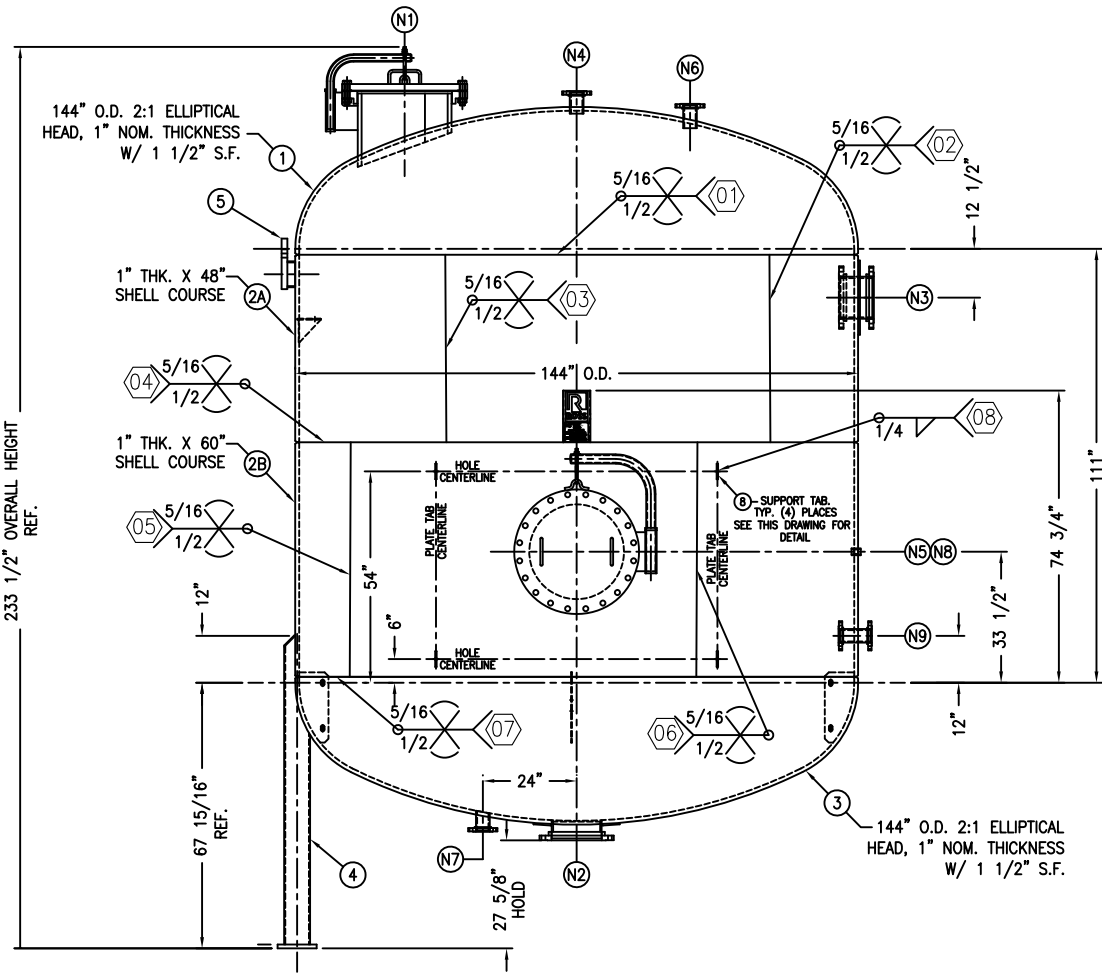
SCALE: 1 1/2" = 1"



SECTION: A-A



NAMEPLATE
WELD DETAIL



233 1/2" OVERALL HEIGHT
REF.

MATERIALS OF CONSTRUCTION		DESIGN DATA	
VESSEL		VESSEL	
SHELL	SA240-TP304/304L	DESIGN AND FAB. CODE	ASME SECT. VIII, DIV. 1, 2017 EDITION
HEADS	SA240-TP304/304L	CERT. STAMP REQ'D.	"U"
SUPPORTS	SA312 TP304/304L	DESIGN PRESSURE	200 PSIG / FULL VAC.
NOZZLE NECKS	SA312-TP304/304L/SA240-TP304/304L	DESIGN TEMPERATURE	280° F
NOZZLE FLANGES	SA182-F304/304L	OPERATING PRESSURE	
MANWAY NECKS	SA240-TP304/304L	OPERATING TEMPERATURE	
MANWAY FLANGES	SA-182-F304/304L	CORROSION ALLOWANCE	NONE
COUPLINGS	SA182-F304/304L	STRESS RELIEF	NONE
REPADS	SA240-TP304/304L	RADIOGRAPHIC EXAM.	SEE NOTE 6
GASKETS	VITON	WELDING	ASME SECT. IX
EXTERIOR BOLTS:	SA193-B8	HYDROSTATIC TEST	260 PSIG
EXTERIOR NUTS:	SA194-8	OTHER TEST	-
ANCHOR CHAIRS	---	SEISMIC ZONE	S _s = .065, S _i = .038, S _m : TYPE D
LIFTING LUGS	SA240/SA312 - 304/304L	WIND LOAD	160 MPH
BAFFLES / TRAYS	---	STATIC HEAD	6.56 PSIG
INTERALS	---	MIN. DESIGN METAL TEMP.	-20° F @ 200° F
VACUUM RINGS	---	SPECIFIC GRAVITY	1.0
INSULATION RINGS	---		
LADDER / PLATFORM	---	INSPECTION	ROSS Q.C., A.I.

VESSEL FINISH		VESSEL CAPACITY AND WEIGHTS	
ROSS FINISHING STANDARD: SEE NOTE 4 & 5		OPERATING CAPACITY	6,500 GALS.
		FULL CAPACITY	10,880 GALS.
		EMPTY WEIGHT	29,369 LBS.
		WEIGHT FULL OF WATER	120,163 LBS
		WEIGHT FULL OF PRODUCT & INTERNALS	130,663 LBS
		SHIPPING DIMENSIONS	151" H x 155" W x 224" L

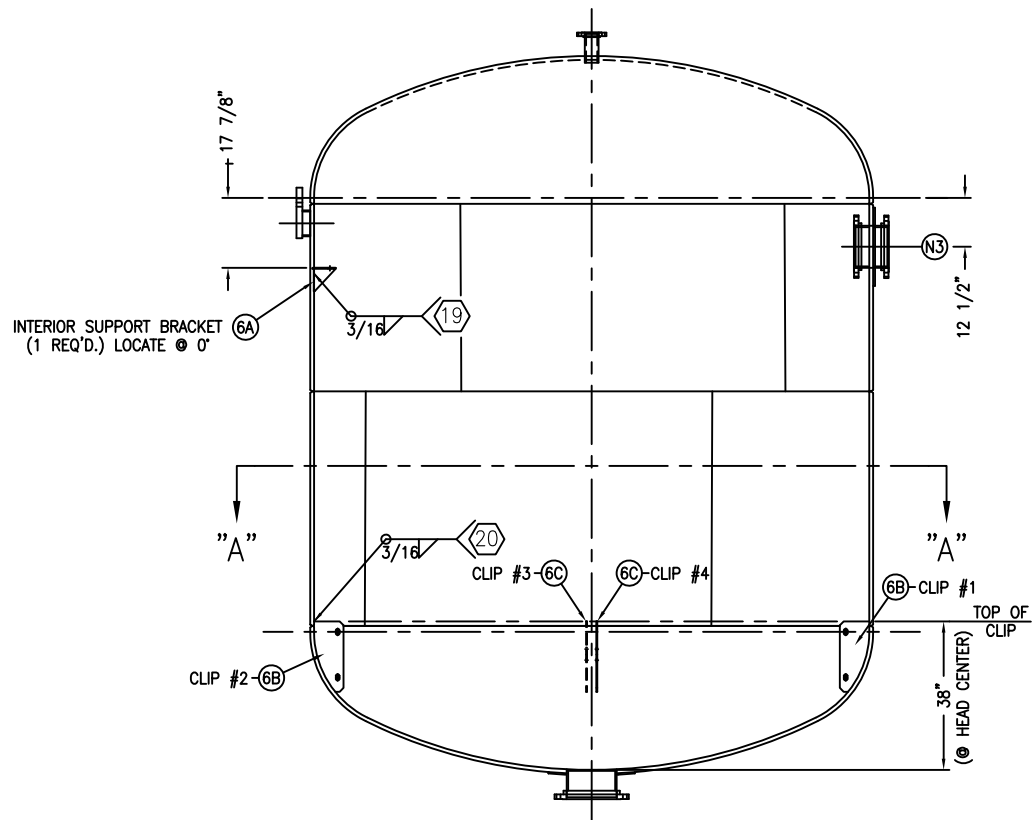
NOZZLE SCHEDULE												
MARK	SERVICE	SIZE	RATING	TYPE / STYLE	NECK SCHED.	REPAD SIZE (O.D. X THKNS.)	PROJECTION Ext. (E) Int. (M)	WELD FIGURE	WELD SIZE "A" "B" "C" "D"	REMARKS		
N1	ROOF MANWAY	24"	150#	RFSO	1"	---	11 1/2" 1 1/2"	7	11/16 - 1/2 11/16	W/ BLIND & DAVIT		
N2	OUTLET	12"	150#	RFSO	40S	22" O.D. X 3/8"	4" FLUSH	1,13	3/8 1/4 3/16 3/8			
N3	INLET	10"	150#	RFSO	40S	19" O.D. X 1/2"	3 1/2" 4"	1,14	1/2 5/16 3/16 7/16	SEE DWG: 306862C-02 FOR DETAIL		
N4	VENT	3"	150#	RFSO	80S	---	4" 3/4"	1,7	3/8 --- 3/16 1/4			
N5	TEMP	1"	3000#	FULL COUPLING	---	---	---	11/16"	7 5/16 --- ---			
N6	MEDIA IN	3"	150#	RFSO	80S	---	4" 3/4"	1,7	3/8 --- 3/16 1/4			
N7	MEDIA OUT	3"	150#	RFSO	80S	---	4" FLUSH	1,3	3/8 --- ---			
N8	SHELL MANWAY	24"	150#	RFSO	1"	---	6" 2 1/2"	7	11/16 - 1/2 11/16	W/ BLIND & DAVIT		
N9	SPARE	3"	150#	RFSO	80S	---	3 1/2" 4"	1,7	3/8 --- 3/16 1/4	SEE DWG: 306862C-02 FOR DETAIL		
N10												
N11												
N12												
N13												
N14												
N15												
N16												
N17												
N18												
N19												
N20												

GENERAL NOTES

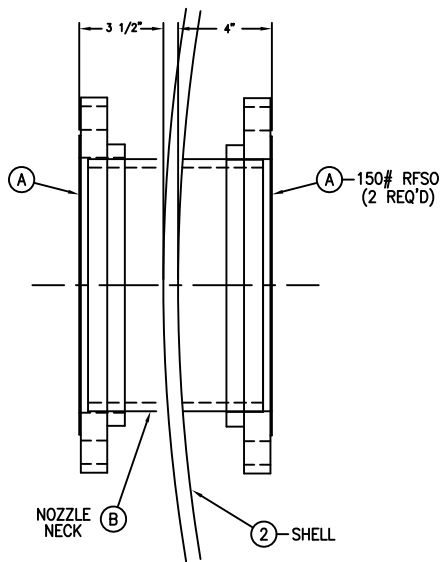
- 1.) BOLT HOLES TO STRADDLE PRINCIPAL CENTERLINES OF VESSEL.
- 2.) REPADS TO HAVE 1 (ONE) #1/8" WEEP HOLE.
- 3.) PROTECT NOZZLE FACE FOR SHIPMENT.
- 4.) INTERIOR FINISH: NONE (MILL) BLAST INTERIOR WELDS USING BIASIL.
- 5.) EXTERIOR FINISH: NONE (MILL). MEDIA BLAST ALL SURFACES WITH BIASIL TO GIVE EVEN PROFILE AND CONSISTENT APPEARANCE PER PSC STANDARD FINISH.
- 6.) "SPOT RADIOGRAPHY FOR LONGITUDINAL SEAMS, (1) SHOT ON EACH HEAD TO SHELL IN ACCORDANCE WITH UW-11(a)(5)(B).

THIS DRAWING IS THE PROPERTY OF ROSS ENGINEERING, INC. AND IS NOT TO BE USED FOR ANY OTHER PURPOSE UNLESS AGREED TO BY ROSS ENGINEERING IN WRITING.			
ROSS JOB # 306862C-01	CUSTOMER ITEM # -	☐ APPROVAL COPY ☐ CERTIFIED COPY	
QUANTITY REQ'D: (1) ONE	CUSTOMER DWG. # -	ROSS ENGINEER DATE	
CUSTOMER P.O. # 190019-5605	CUSTOMER SPEC. # -		

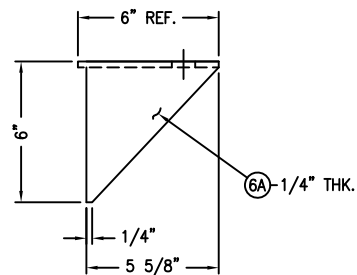
REVISIONS				Ross Engineering, Inc.			
4	MOVED MANWAY ON TOP HEAD FROM 180° TO 225°	RAM	01/16/20	32 WESTGATE BLVD. SAVANNAH, GA 31405			
3	ADDED (4) CLIPS TO SIDEWALL. CHANGED NOZZLE "N9" FROM STUDPAD TO DOUBLE FLANGE	RAM	11/16/19	PROCESS SYSTEMS & COMPONENTS 6,500 GALLON SSH CARBON TANK GENERAL ASSEMBLY			
2	REVISED PER CUSTOMER MARK-UP DATED 10/07/19 SEE ENGINEERING FILE FOR DETAILS. RE-SENT AS CERTIFIED	RAM	10/14/19	DWN: \ 306862C-01 SCALE: 1/2" = 1'-0"			
1	REVISED PER CUSTOMER MARK-UP DATED 8/26/19 SEE ENGINEERING FILE FOR DETAILS	RAM	8/28/19	DATE: 08/09/19			
SYM.	DESCRIPTION	BY	DATE	DATE: 08/09/19			
				REV. 4			



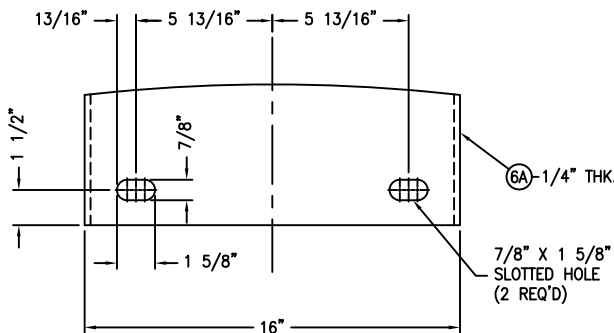
INTERIOR SUPPORT BRACKET & CLIPS DETAIL
SCALE: 1/2" = 1'-0"



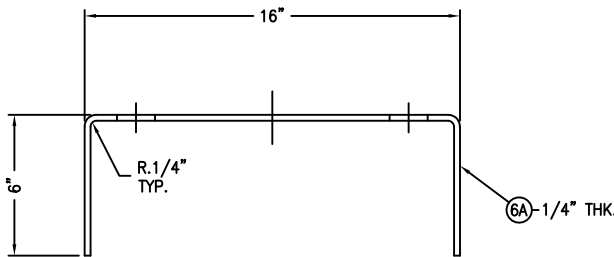
NOZZLE N3 & N9 DETAIL
SCALE: 3" = 1'-0"



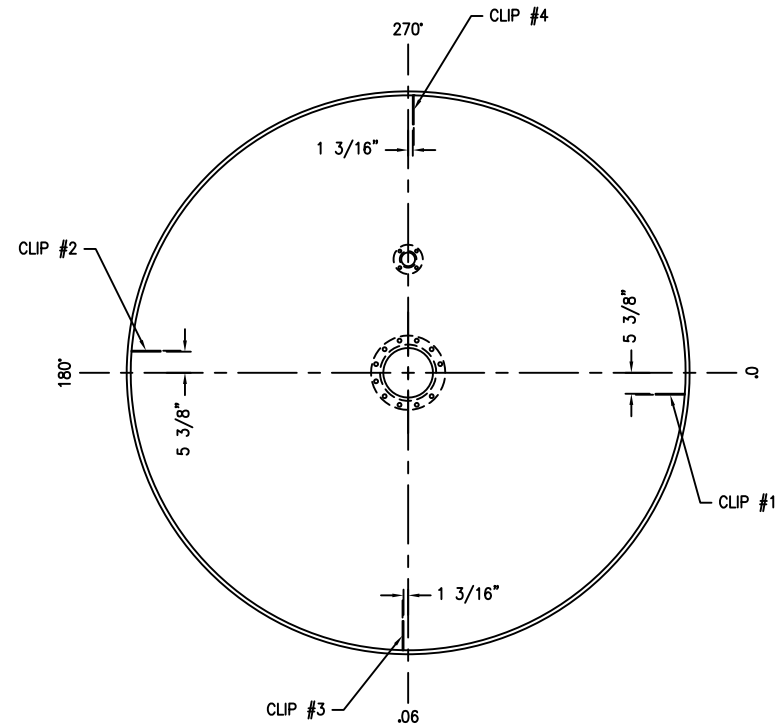
SIDE VIEW
INTERIOR SUPPORT BRACKET DETAIL
SCALE: 3" = 1'-0"



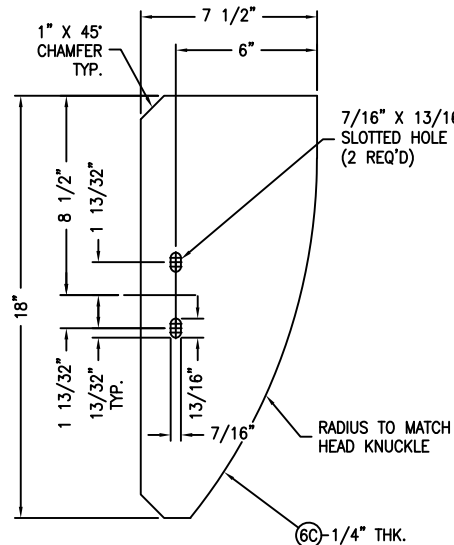
TOP VIEW
INTERIOR SUPPORT BRACKET DETAIL
SCALE: 3" = 1'-0"



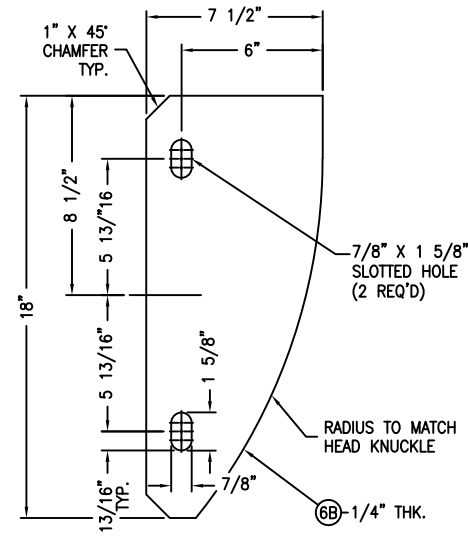
FRONT VIEW
INTERIOR SUPPORT BRACKET DETAIL
SCALE: 3" = 1'-0"



SECTION "A" - "A"
SCALE: 1/2" = 1'-0"

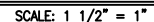
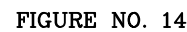
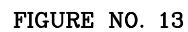
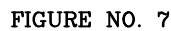


INTERIOR SUPPORT CLIP #3 & #4
SCALE: 3" = 1'-0"



INTERIOR SUPPORT CLIP #1 & #2
SCALE: 3" = 1'-0"

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ROSS JOB #	306862C-10	CUSTOMER ITEM #	-
QUANTITY REQ'D:	(1) ONE	CUSTOMER DWG. #	-
CUSTOMER P.O. #	190019-5605	CUSTOMER SPEC. #	-
		ROSS ENGINEER	DATE
		☐ APPROVAL COPY ☐ CERTIFIED COPY	
		Ross Engineering, Inc. 32 WESTGATE BLVD. SAVANNAH, GA 31405	
		PROCESS SYSTEMS & COMPONENTS 6,500 GALLON SSH CARBON TANK INTERIOR SUPPORT CLIP DETAILS	
2	ADDED "N9" TO DETAIL	RAM	11/16/19
1	REVISED PER CUSTOMER MARK-UP DATED 10/07/19 SEE ENGINEERING FILE FOR DETAILS. RESENT AS CERTIFIED	RAM	10/14/19
SYM.	DESCRIPTION	BY	DATE
REVISIONS			
DWN:	APP:	CAD FILE:	306862C-02
RAM		SCALE:	1/2" = 1'-0"
DATE:	DATE:	D-306862C-02	REV. 2
08/09/19			



SCALE: 1 1/2" = 1"



SCALE: 1 1/2" = 1'-0"

VESSEL FINISHVESSEL CAPACITY AND WEIGHTS

NOZZLE SCHEDULE

GENERAL NOTES

- | | | | |
|---|-------------|--|------|
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| ROSS JOB # | 306862C-10 | CUSTOMER ITEM # | - |
| QUANTITY REQ'D: | (1) ONE | CUSTOMER DWG. # | - |
| CUSTOMER P.O. # | 190019-5605 | CUSTOMER SPEC. | - |
| | | ☐ APPROVAL COPY ☐ CERTIFIED COPY | |
| | | ROSS ENGINEER | DATE |

					 Ross Engineering, Inc. 32 WESTGATE BLVD. SAVANNAH, GA 31405	
4	MOVED MANWAY ON TOP HEAD FROM 180" TO 225"	RAM	01/16/20			
3	ADDED (4) CLIPS TO SIDEWALL. CHANGED NOZZLE "N9" FROM STUDDPAD TO DOUBLE FLANGE	RAM	11/16/19			
2	REVISED PER CUSTOMER MARK-UP DATED 10/07/19 SEE ENGINEERING FILE FOR DETAILS. RE-SENT AS CERTIFIED	RAM	10/14/19			PROCESS SYSTEMS & COMPONENTS 6,500 GALLON SSH CARBON TANK GENERAL ASSEMBLY
1	REVISED PER CUSTOMER MARK-UP DATED 8/26/19 SEE ENGINEERING FILE FOR DETAILS	RAM	8/28/19			
SYM.	DESCRIPTION	BY	DATE	DWN: RAM	APP: SCALE: 1/2" = 1'-0"	
REVISIONS				DATE: 08/09/19	DATE: D-306862C-10	
					REV. 4	