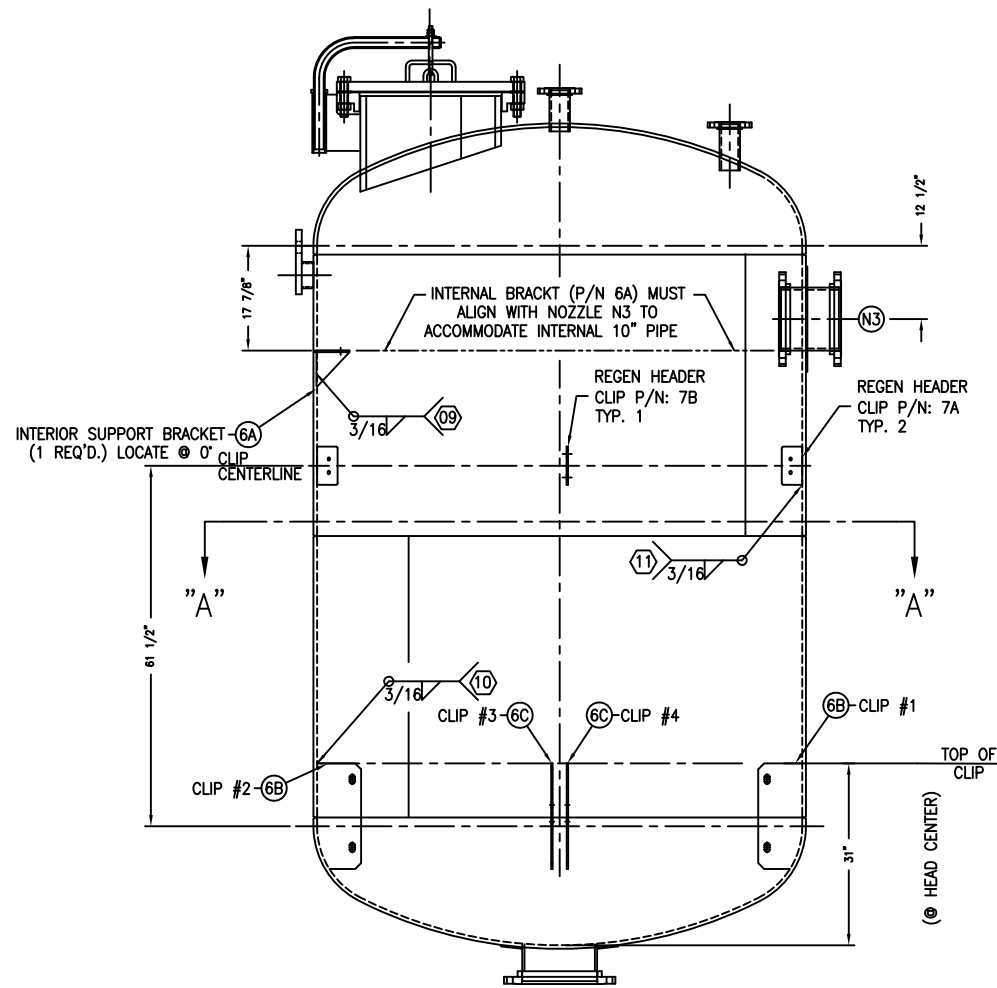
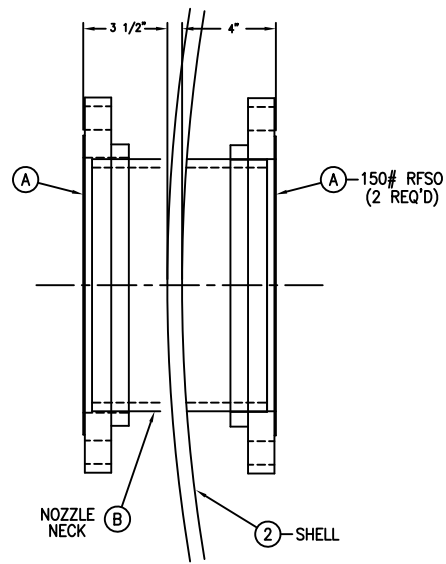
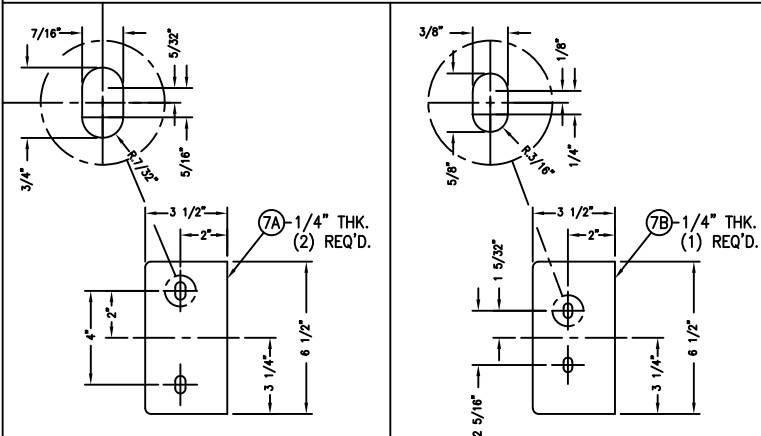
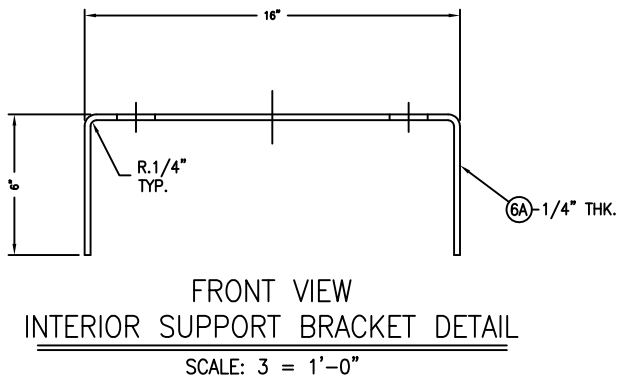
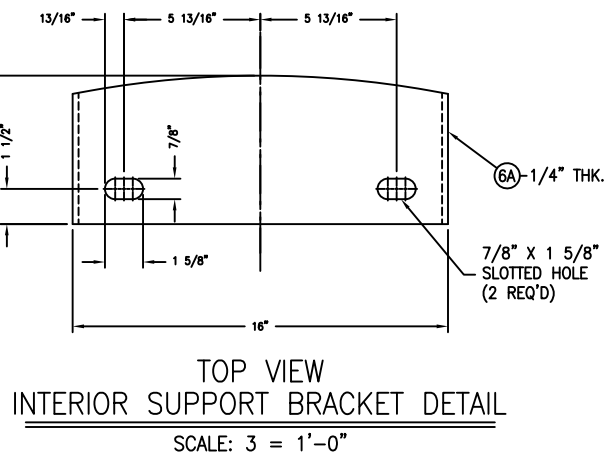
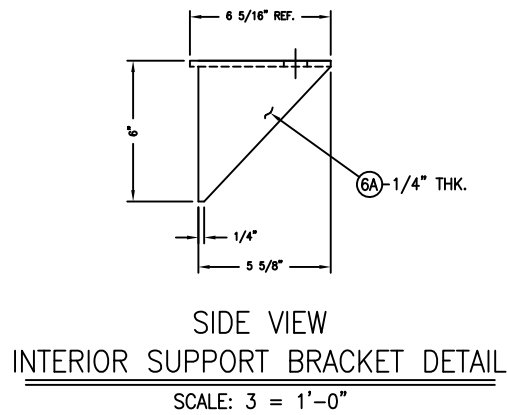




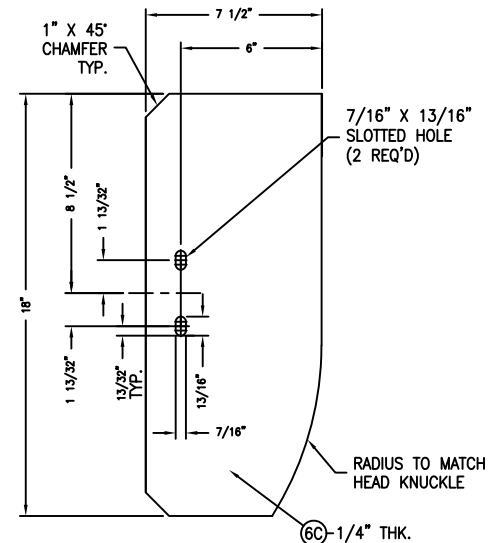
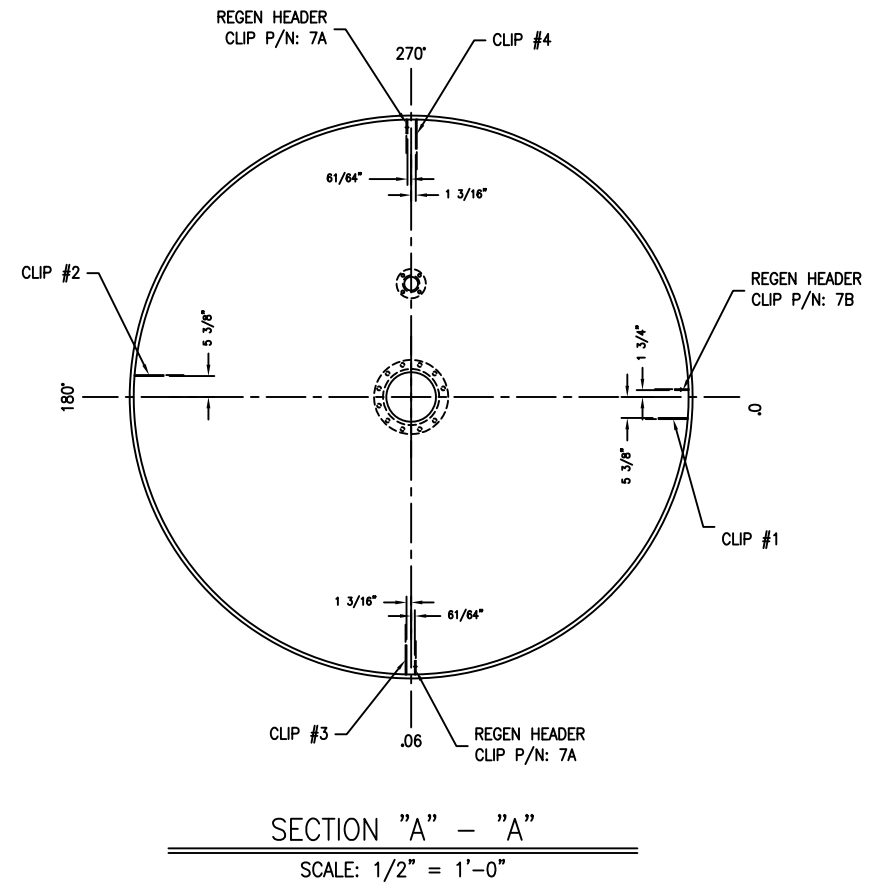
INTERIOR SUPPORT BRACKET & CLIPS DETAIL
SCALE: 3/4" = 1'-0"



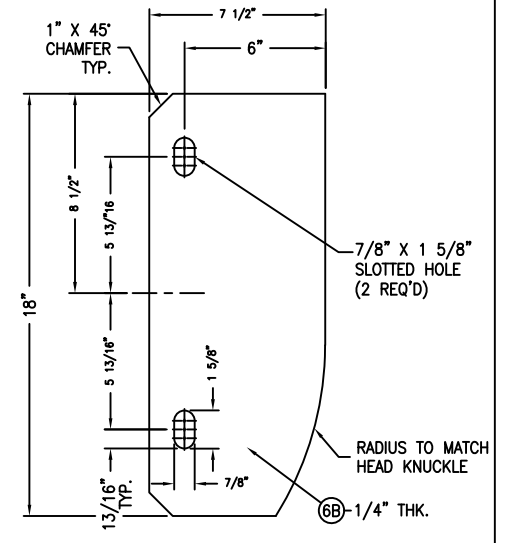
NOZZLE N3, N9, & N10 DETAIL
SCALE: 3" = 1'-0"



REGEN HEADER CLIP DETAILS
SCALE: 3" = 1'-0"

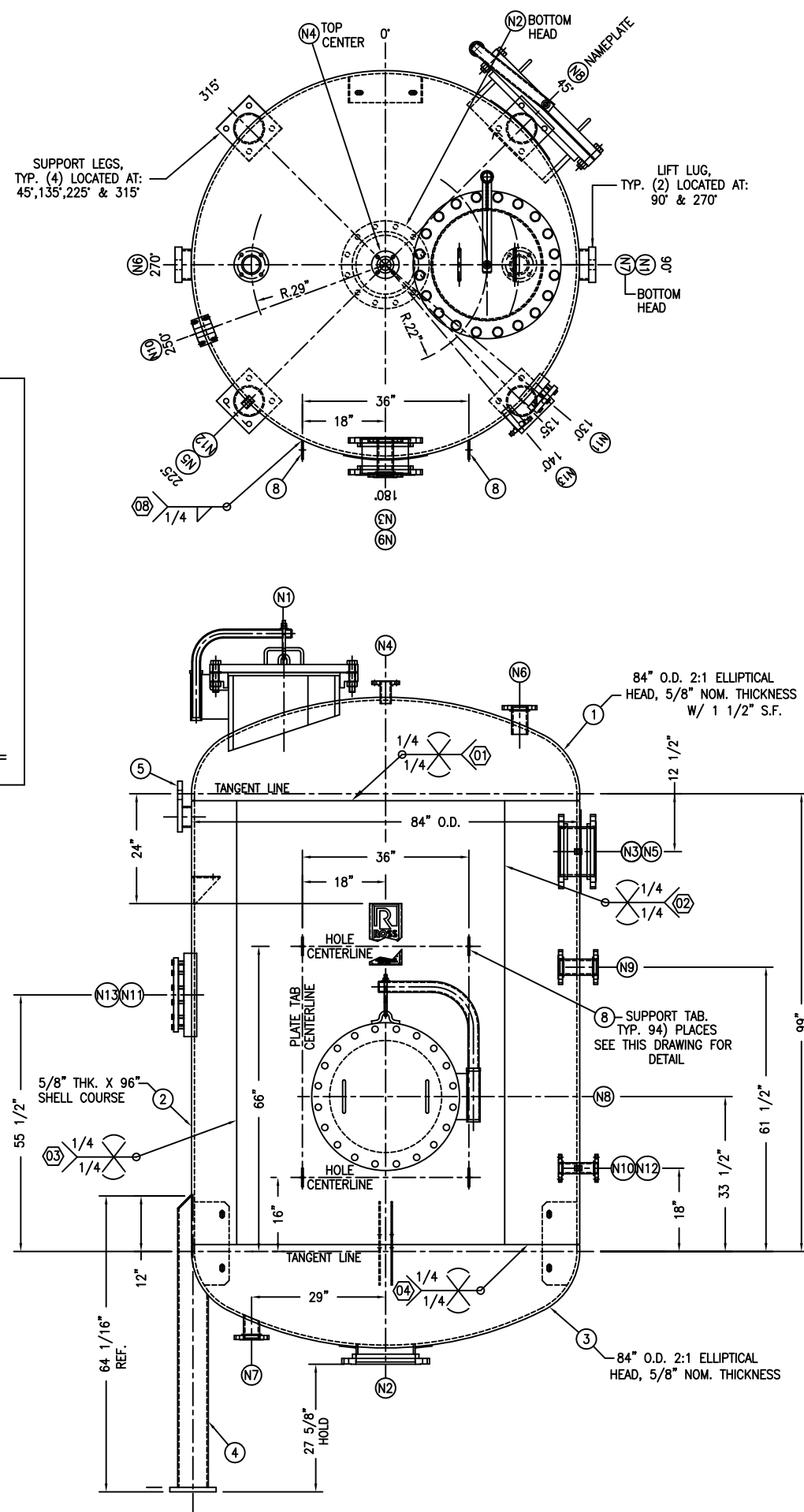
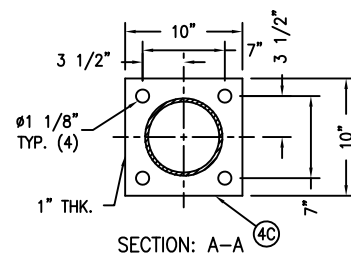
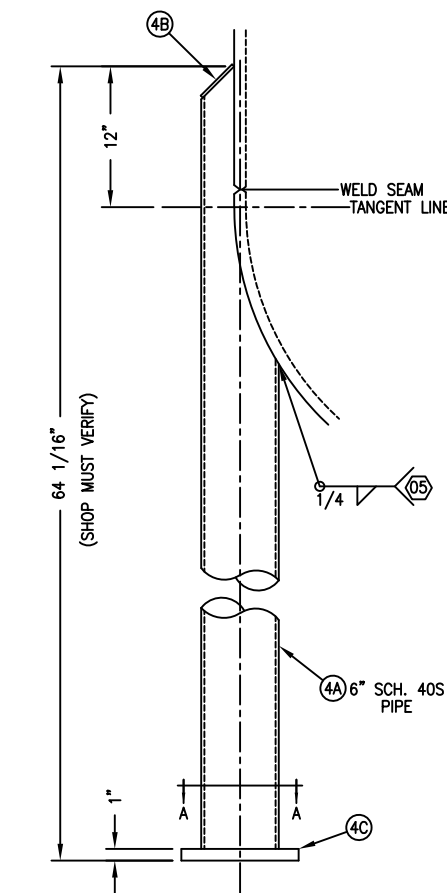
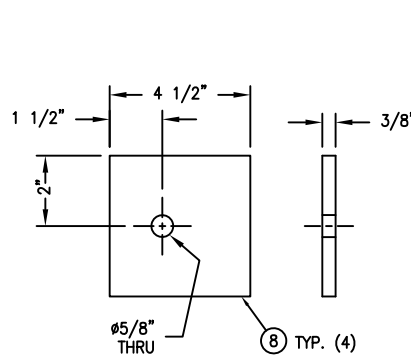
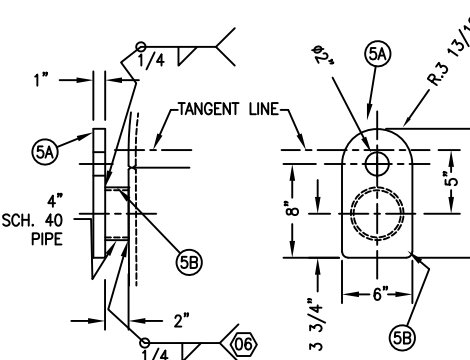
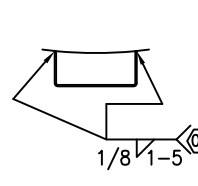
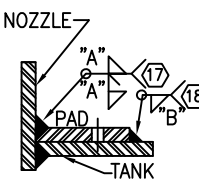
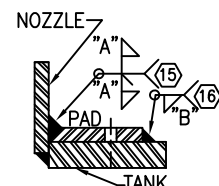
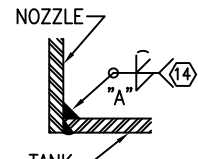
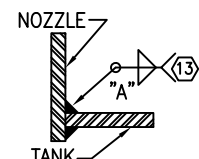
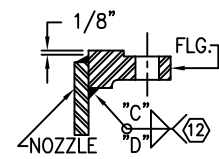


INTERIOR SUPPORT CLIP #3 & #4
SCALE: 3" = 1'-0"



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

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ROSS JOB # <u>306862C-10</u>				CUSTOMER ITEM # <u>-</u>			☐ APPROVAL COPY ☒ CERTIFIED COPY				
QUANTITY REQ'D: <u>(1) ONE</u>				CUSTOMER DWG. # <u>-</u>			ROSS ENGINEER _____ DATE _____				
CUSTOMER P.O. # <u>190019-5605</u>				CUSTOMER SPEC. # <u>-</u>							
							Ross Engineering, Inc. 32 WESTGATE BLVD. SAVANNAH, GA 31405				
3	ADDED N9 & N10 TO DOUBLE FLANGE DETAIL			RAM	11/15/19	PROCESS SYSTEMS & COMPONENTS 3,000 GALLON POLISHER TANK INTERIOR SURFACE CLIP DETAILS					
2	REVISED LOCATION OF PART NUMBERS 7 & 8 ON PLAN VIEW. CHANGED QUANTITY OF PART NUMBER 7 FROM 2 - 1			RAM	10/16/19						
1	REVISED PER CUSTOMER MARK-UPS. SEE ENGINEERING FILE FOR DETAILED CHANGES			RAM	10/4/19						
SYM.	DESCRIPTION			BY	DATE	DWN: RAM	APP:	CAD FILE: <u>306863C-02</u>			
REVISIONS						DATE: 08/09/19	DATE:	SCALE: <u>1/2" = 1'-0"</u>	REV. 3		
										D-306863C-02	



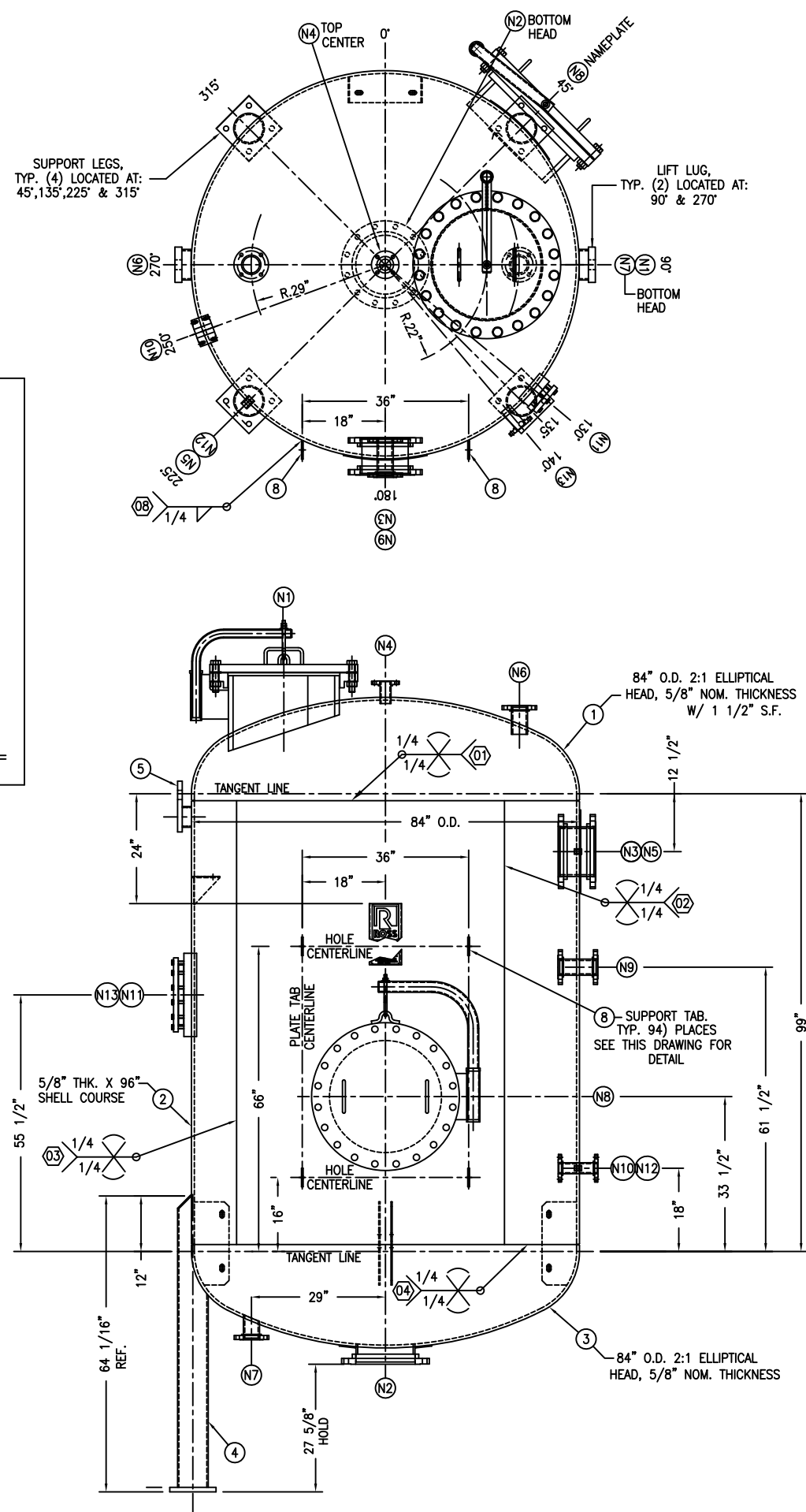
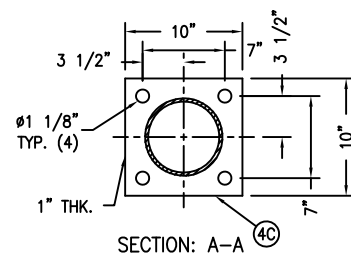
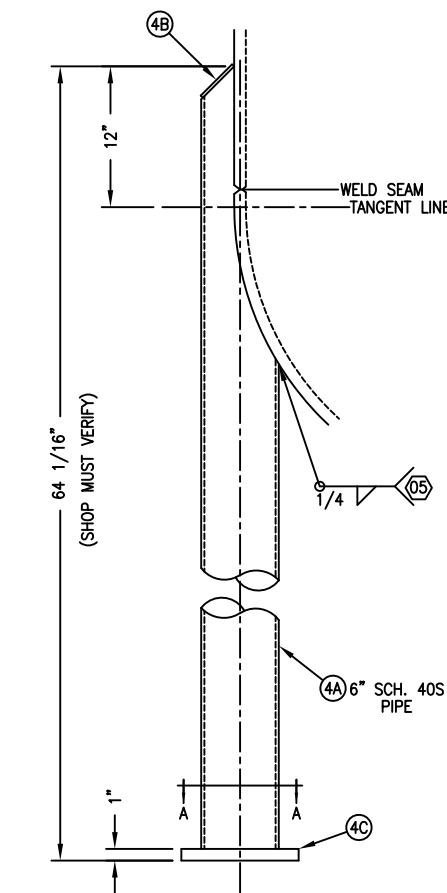
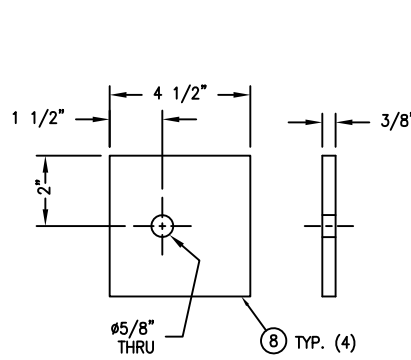
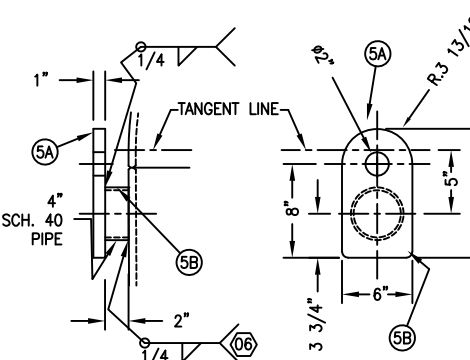
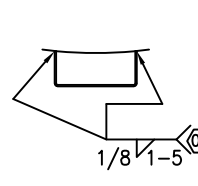
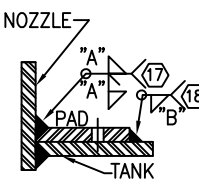
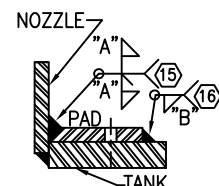
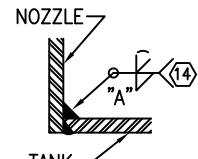
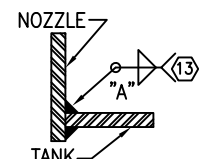
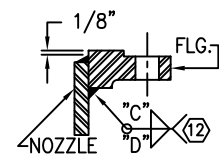
MATERIALS OF CONSTRUCTION		DESIGN DATA	
	VESSEL		VESSEL
SHELL	SA240-TP304/304L	DESIGN AND FAB. CODE	ASME SECT. VIII, DIV. 1, 2017 EDITION
HEADS	SA240-TP304/304L	CERT. STAMP REQ'D.	"U"
SUPPORTS	SA312 TP304/304L	DESIGN PRESSURE	200 PSIG / FULL VAC.
NOZZLE NECKS	SA312-TP304/304L/SA240-TP304/304L	DESIGN 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.	"SPOT" (LONGITUDINAL SEAM)
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 _{aM} : TYPE D
LIFTING LUGS	SA240/SA312 - 304/304L	WIND LOAD	160 MPH
BAFFLES / TRAYS	---	STATIC HEAD	6.56 PSIG
INTERNALS	---	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	GALS.	
	FULL CAPACITY	2,920 GALS.	
INTERIOR WELD TREATMENT: DRESS GRIND, HIGH SPOTS ONLY	EMPTY WEIGHT	7,050 LBS.	
	WEIGHT FULL OF WATER	31,917 LBS	
EXTERIOR WELD TREATMENT: DRESS GRIND, HIGH SPOTS ONLY	WEIGHT FULL OF PRODUCT & INTERNALS	42,417 LBS	
	SHIPPING DIMENSIONS	93" H x 96" W x 224" L	

[illegible]

GENERAL NOTES			
1.) BOLT HOLES TO STRADDLE PRINCIPAL CENTERLINES OF VESSEL. 2.) REPADS TO HAVE 1 (ONE) $\phi 1/8"$ WEEP HOLE. 3.) PROTECT NOZZLE FACE FOR SHIPMENT. 4.) INTERIOR FINISH: NONE (MILL). 5.) EXTERIOR FINISH: NONE (MILL). MEDIA BLAST ALL SURFACES TO GIVE EVEN PROFILE AND CONSISTENT APPEARANCE.			
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 #	306863C-10	CUSTOMER ITEM #	-
QUANTITY REQ'D:	(1) ONE	CUSTOMER DWG. #	-
CUSTOMER P.O. #	190019-565	CUSTOMER SPEC. #	-
		☐ APPROVAL COPY ☒ CERTIFIED COPY	
		ROSS ENGINEER	DATE

						Ross Engineering, Inc. 32 WESTGATE BLVD. SAVANNAH, GA 31405		
4	CHANGED N9 & N10 FROM STUD PAD TO DOUBLE FLANGE	RAM	11/15/19		PROCESS SYSTEMS & COMPONENTS 3,000 GALLON POLISHER TANK GENERAL ASSEMBLY			
3	CHANGED ORIENTATION OF N10 NOZZLE FROM 45° TO 250°	RAM	11/11/19					
2	ADDED NOZZLES N12 & N13. ADDED (4) SUPPORT TABS. MOVED NOZZLE LOCATIONS ON SEVERAL NOZZLES	RAM	10/16/19					
1	REVISED PER CUSTOMER MARK-UPS. SEE ENGINEERING FILE FOR DETAILED CHANGES	RAM	10/4/19					
SYM.	DESCRIPTION	BY	DATE	DWN:	APP:	CAD FILE: \ 306863C-10		
				RAM		SCALE: 1/2" = 1'-0"		
				DATE: 08/09/19	DATE:	D-306863C-10	REV. 4	
REVISIONS								



MATERIALS OF CONSTRUCTION		DESIGN DATA	
	VESSSEL		VESSSEL
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.	"SPOT" (LONGITUDINAL SEAM)
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 _a M: TYPE D
LIFTING LUGS	SA240/SA312 - 304/304L	WIND LOAD	160 MPH
BAFFLES / TRAYS	---	STATIC HEAD	6.56 PSIG
INTERNALs	---	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	GALS.	
	FULL CAPACITY	2,920 GALS.	
INTERIOR WELD TREATMENT: DRESS GRIND, HIGH SPOTS ONLY	EMPTY WEIGHT	7,050 LBS.	
	WEIGHT FULL OF WATER	31,917 LBS	
EXTERIOR WELD TREATMENT: DRESS GRIND, HIGH SPOTS ONLY	WEIGHT FULL OF PRODUCT & INTERNALS	42,417 LBS	
	SHIPPING DIMENSIONS	93" H x 96" W x 224" L	

[illegible]

- | GENERAL NOTES | |
|---------------|---|
| 1.) | BOLT HOLES TO STRADDLE PRINCIPAL CENTERLINES OF VESSEL. |
| 2.) | REPADS TO HAVE 1 (ONE) $\phi 1/8"$ WEEP HOLE. |
| 3.) | PROTECT NOZZLE FACE FOR SHIPMENT. |
| 4.) | INTERIOR FINISH: NONE (MILL). |
| 5.) | EXTERIOR FINISH: NONE (MILL). MEDIA BLAST ALL SURFACES
TO GIVE EVEN PROFILE AND CONSISTENT APPEARANCE. |

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ROSS JOB #	<u>306863C-20</u>	CUSTOMER ITEM #	<u>-</u>
QUANTITY REQ'D:	<u>(1) ONE</u>	CUSTOMER DWG.	<u>-</u>
CUSTOMER P.O. #	<u>190019-565</u>	CUSTOMER SPEC.	<u>-</u>
		☐ APPROVAL COPY ☒ CERTIFIED COPY	
		ROSS ENGINEER	DATE

[illegible]