



- GENERAL NOTES**
1. ALL PIPING TO MEET USCG 1 REGULATIONS.
 2. BACKING RINGS SHALL BE USED AT BUTT WELD JOINTS 2" AND LARGER
 3. PIPES PASSING THROUGH WATER/OIL TIGHT BOUNDARIES TO BE WELDED BOTH SIDES.
 4. CARGO SYSTEM:
 PRESSURE, WORKING 125 PSI
 DESIGN 150 PSI
 TEST 225 PSI
 RELIEF VALVE 125 PSI
 PUMP WELL TEST 15 PSI
 5. MATERIAL TO BE AS SPECIFIED OR EQUAL. LABELS TO BE INSTALLED ON ALL VALVES WHERE REQUIRED TO IDENTIFY SERVICE.
 6. ENGINE SHUT DOWN SHALL BE INSTALLED INCLUDING SIGN (45 CFR 32.50-35)
 7. VALVES WHICH ARE LOCATED BELOW DECK REACH RODS.
 8. BARGE IS DESIGNED FOR 3.5# SERVICE.

CARGO PIPING LIST OF MATERIALS

PC NO.	PART	DESCRIPTION	MFG	NOMINAL SIZE	MATERIAL	RATING	ASTM NO.	ANSI NO.
PU	CARGO PUMP	12LS 3 STAGE PUMP W/RIGHT ANGLE GEAR	ERL					
ENG	ENGINE	MECO MODEL 173 HP	LABORDE					
1	GATE VALVE	FIG. 15021C, FLG'D WRS	SPACE	ALL	CAST STL/CR13 TRM	150#	A-216 WCB	B16.34
2	GATE VALVE	FIG. 15011C, FLG'D OS&Y	SPACE	ALL	CAST STL/CR13 TRM	150#	A-216 WCB	B16.34
3	RELIEF VALVE	FIG. 260PA10120, SET @ 125 PSI	TELETYPE/FARRIS	4NP6	CAST IRON	150#	A-128 CL B	B16.34
4	CHECK VALVE	WAFER STYLE, 150#	DUO CHECK II	8"	CS.	150#	A-216 WCB	B16.34
PS	PIPE	STD. WT., SEAMLESS		2" & ABOVE	STL		A-53	B36.10
	PIPE FLANGE	WN, SO, BLIND & SW		ALL	STL	150#	A-105	B16.5
	JOINTS	UNION, COUPLING		2" & BLW	F.S.	3000#	A-105	B16.11
	PIPE FITTINGS	BUTT WELD		ABV 2"	STL	STD.WT.	A-234	B16.9
	PIPE FITTINGS	SCRD, SW		2" & BLW	F.S.	3000#	A-105	B16.11
	GASKETS	NON-ASBESTOS		ALL	SEALON			

REV	ITEM	DESCRIPTION	DATE	BY

REVISIONS

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ARCOSA MARINE PRODUCTS, INC.

CAMPBELL TRANSPORTATION CO

200'-0" X 35' X 12'-6" DOUBLE SKIN TANK BARGE

CARGO PIPING DIAGRAM

SCALE:	DATE:	12/22/19	DWG NO.	
DRAWN BY: BP	CHKD BY:	APPR BY:	CP-02	
YARD:	TAG NO.	96314	SHT 1 OF 1	
HULL NO.5490 thru 5492	SHOP ORDER:	REV.	0	

