

GENERAL SPECIFICATION - VESSEL

ITEM NO.: TK-430 SERVICE: CAUSTIC STORAGE TANK
 CODE: ASME SECTION VIII STAMP: NO WELDING: ASME
 RADIOGRAPH: NO STRESS RELIEVING: NO
 DESIGN PRESSURE-PSIG (kPa): ATMOS & LIQUID FILL TEMP.-°F (°C): 212 (100)
 EST. WT. EMPTY-# (kg): BY FAB. FULL WATER: BY FAB. OPERATING: BY FAB.
 WIND VEL.-MPH (km/HR): (SEE NOTE #7) EARTHQUAKE ZONE: BY OWNER

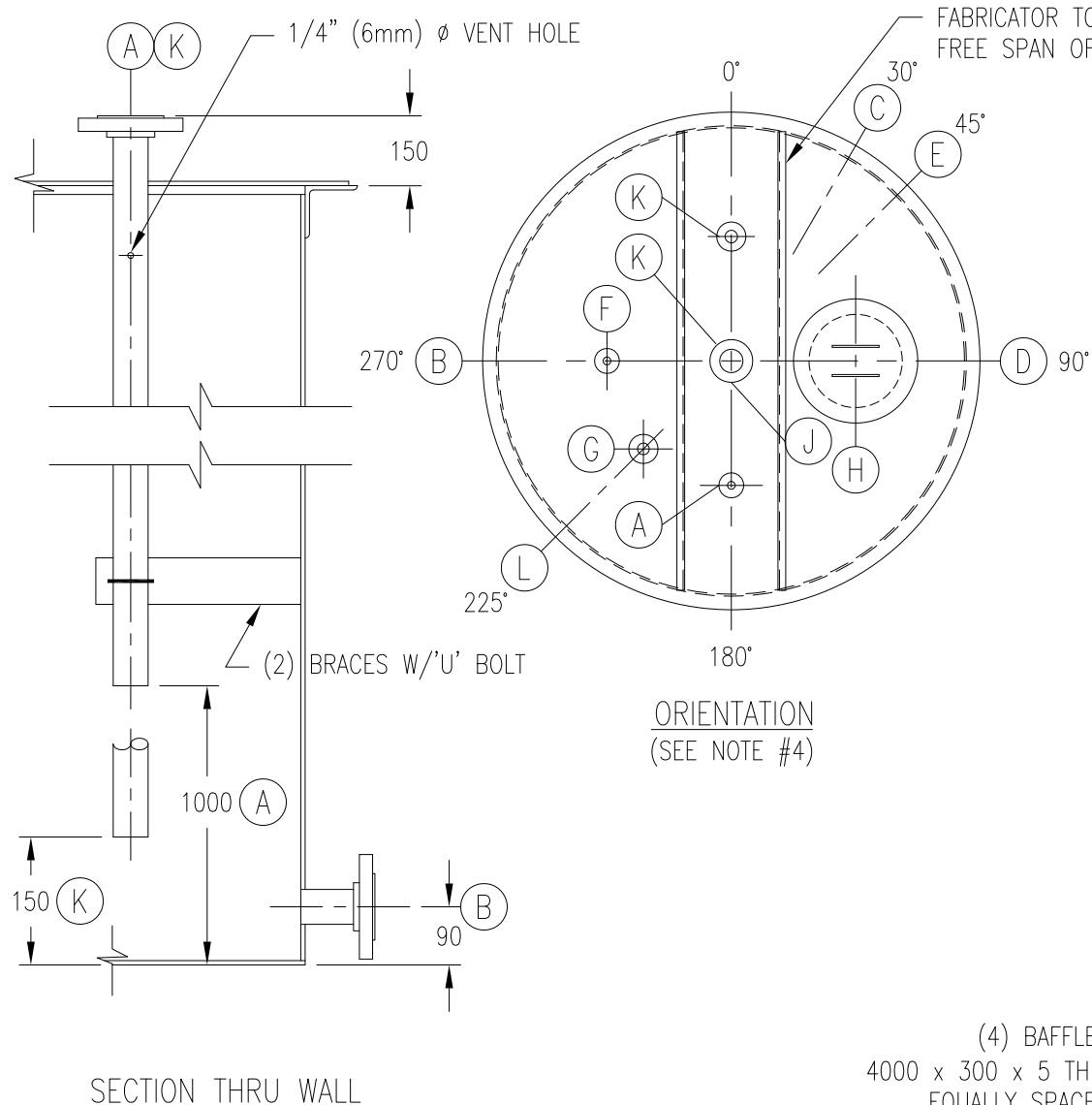
PROCESS DATA
 FLUID: 36% CAUSTIC (S.G.=1.39) APPROX. CAPACITY-GAL (L): 9,500 (35,960)
 OPERATING PRESS.-PSIG (kPa): ATMOSPHERIC TEMP.-°F (°C): 100 (38)
 HOLD-UP TIME: -
 INLET RATE-GPM (m³/HR):- FLASH: NONE
 NON-CONDENSIBLES: -

MATERIAL & THICKNESS-IN (mm)
 SHELL: A516 GR.70 CARBON STEEL (SEE NOTE #3)
 TOP HEAD: A516 GR.70 CARBON STEEL (SEE NOTE #3)
 BOT. HEAD: A516 GR.70 CARBON STEEL (SEE NOTE #3)
 SUPPORTS: NONE
 BOLTS: A193 B7 W/ A194 2H NUTS GASKETS: 1/16" (2mm) NON-ASBESTOS
 NOZZLES: IN (mm)
 NECK: A106 GR. B CARBON STEEL PIPE
 FLANGE: A105 FORGED STEEL 150# SLIP-ON
 COUPLING: A105 FORGED STEEL 3000# THREADED FULL
 CORROSION ALLOWANCE: 3/16" (5mm) (SEE NOTE #3)

MARK	SERVICE	IN (mm)	NOTE
A	CIRCULATION INLET	2"	FLANGED
B	BOTTOM OUTLET	3"	FLANGED
C	TEMP. CONN.	1"	COUPLING
D	MANWAY	24"	FLANGED W/BLIND & DAVIT
E	LEVEL CONN.	3"	FLANGED
F	VENT	2"	FLANGED
G	WATER INLET	3"	FLANGED W/BLIND
H	MANWAY	24"	FLANGED W/HINGED COVER
J	AGITATOR	TBD	FLANGED W/BLIND (SEE NOTE #1)
K	TRUCK INLET	3"	FLANGED W/INTERNAL DIP PIPE
L	OVERFLOW	6"	FLANGED

MISCELLANEOUS
 PAINT: ALL EXTERNAL CARBON STEEL SURFACES TO BE CLEANED AND OTHERWISE PROPERLY PREPARED PRIOR TO APPLICATION OF ONE COAT OF CORROSION PROTECTION PRIMER PER SHOP STANDARD. FINAL PAINTING PER OWNER'S REQUIREMENTS.

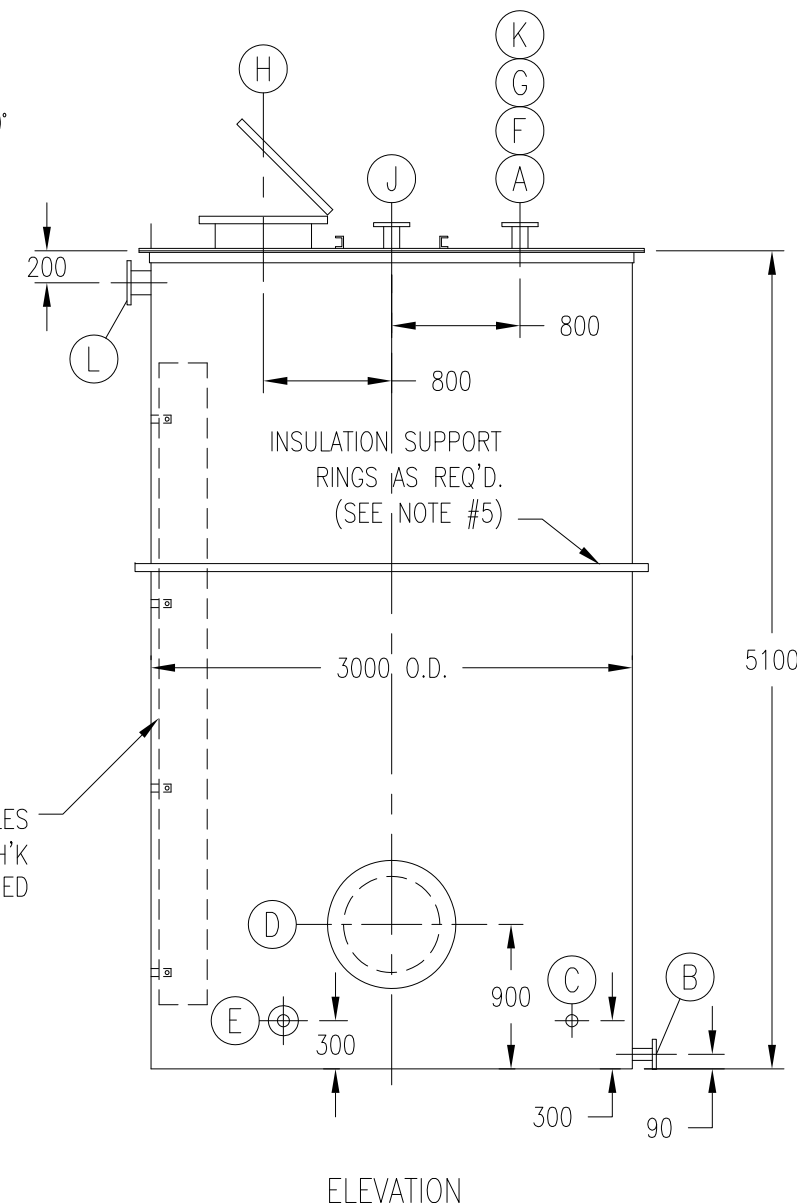
- NOTES:
- AGITATOR OPENING SIZE AND MOUNTING TO AGITATOR MANUFACTURER'S SPECIFICATIONS.
 - VENDOR MAY EVALUATE ALTERNATIVE GRADES OF CARBON STEEL IN ACCORDANCE WITH CODES/REGULATIONS.
 - CORROSION ALLOWANCE TO BE MADE IN ADDITION TO ALL CALCULATED THICKNESSES.
 - FINAL ORIENTATION TO BE DETERMINED UPON FINAL PIPING DESIGN.
 - FINAL LOCATION AND SIZING OF SUPPORT RINGS BY FABRICATOR.
 - FABRICATOR TO PROVIDE LADDERS, PLATFORMS, AND PIPE SUPPORT PADS.
 - 160 Km/h PER URUGUAYAN NORMATIVES: UNIT 50-84.




NOZZLE SIZE	NOZZLE ** EXTENSION
1 1/4"-6"	150
8"-24"	200

** - UNLESS OTHERWISE SPECIFIED

FABRICATOR TO SUPPORT FREE SPAN OF FLATHEAD AS REQUIRED.



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		UTE ABENER TEYMA PAYSANDÚ		KATZEN INTERNATIONAL, INC. TECHNOLOGY • ENGINEERING CINCINNATI, OHIO, U.S.A.	
		Scale: NONE		211,200 LITERS/DAY MOTOR FUEL GRADE ETHANOL PLANT EQUIPMENT SPECIFICATION	
		0 3/1/13 REV. 0 ISSUE		WLB BG BG	
		Rev. Date Description		Dwn By Ckd By Appd By	
		Origin: BG		ITEM: TK-430 CAUSTIC STORAGE TANK	
		N° Plano: 0003-PLN-KAT-04-62-0205		Client N°: 1132-01 Dwg N°: 04-205	