NOTES:

1. ALL WELDING AND HORIZ. FILLETS PER WPS 3-039, 7-032, 7-048 OR 7-054. FOR ALL POSITION WELDS AND WELDS OF CONNS. TO SHELL (UNDER 2 NOM. PIPE SIZE), WELD PER WPS 3-015 UNLESS OTHERWISE INDICATED.
2. MINIMUM CLEARANCE OF 3/8 MUST BE MAINTAINED BETWEEN ANY RAW EDGE AND TUBES, AND MINIMUM CLEARANCE OF 1/4 BETWEEN ANY FLAT SURFACE AND TUBES.
3. TUBES TO BE APPROXIMATELY CENTERED BETWEEN TUBE HEADS BEFORE EXPANSION. TUBE EXTENSION TO BE FLUSH TO HALF O.D. OF TUBE BEYOND TUBE HEAD FACE, EACH END OF SHELL.
4. EXPAND AND SEAL THE TUBES INTO THE TUBE HEADS AND ALL TUBE SUPPORTS PER M-950. TUBES SHALL BE EXPANDED INTO THE TUBE HEAD TO A DEPTH OF 1-1/2".
5. APPLY FEL-PRO C5-A COMPOUND (013-01690) TO SPOTFACE & THREAD SURFACES BEFORE TIGHTENING. CHANNEL BOX GASKET JOINT THREAD FASTENERS SHALL BE TIGHTENED EVENLY IN GRADUAL TORQUE INCREMENTS, DIAMETRICALLY BY QUADRANTS UNTIL THE DESIRED TORQUE OF 114 FT. LBS. ±10% IS REACHED. TO ASSURE PROPER APPLIED GASKET LOADING, TIGHTENING SHALL NEVER BE ACCOMPLISHED PROGRESSIVELY.
6. ADD LABELS, ITEMS 63 AND 64 AFTER PAINTING.
7. TUBE CLEANING BRUSHES AND BASKETS FACTORY INSTALLED BY WATER TECHNOLOGY OF PENSACOLA, INC. INTO EACH TUBE.
8. ITEM 75 IS THE MAXIMUM QTY. OF EXTRA TUBES TO BE SHIPPED WITH THE SHELL. SOME OF THIS QTY. MAY HAVE BEEN USED IN MANUFACTURING.
9. FOR BOLTING TORQUE AND INSTRUCTIONS, SEE DWG. 077-10989-000.
10. BEFORE INSTALLATION OF STUDS, APPLY SEALER (013-01671-000) PER PROCESS SPEC. M-365.
11. COMPLETE ALL WELDING BEFORE HYDROSTATIC TEST.
12. AFTER ALL TESTING AND CLEANING HAS BEEN COMPLETED. ADD CLOSURES WHERE INDICATED AND CHARGE SHELL SIDE PER M-405. DRY AND PURGE TUBE SIDE PER M-532 AND CHARGE WITH 5 PSI NITROGEN.
13. PAINT PER INSTRUCTIONS ON SALES ORDER.
14. ALL COUPLINGS WELDED INTO SHELL PER DETAIL V UNLESS OTHERWISE INDICATED.
15. FOR REFRIGERANT THREADED JOINTS UP TO 1/2", USE SEALANT 013-03089 (RED, LOCTITE 554) AND FOR REFRIGERANT JOINTS 1/2" TO 3" USE SEALANT 013-03056 (RED, LOCTITE 277) PER PROCESS SPEC. M-365.
16. FOR WATER THREADED JOINTS UP TO 3", USE SEALANT 013-02023 OR 013-03090 (WHITE, LOCTITE 565) PER PROCESS SPEC. M-365.
17. CERTIFICATION AND CLASSIFICATION PER M-139.
    YORK CLASS B VESSEL.
    SHELL CHAMBER TEST PER M-382, PARA. 5.7 (BEFORE TUBING), 5.9 (AFTER TUBING)
    TUBE CHAMBER TEST PER M-382, PARA. 5.7
18. DATA NAMEPLATE STAMPING AS FOLLOWS:

W	(by Q.C.)
	(National Board Serial Number)
	CERTIFIED BY
	(Name of Manufacturer)

SHELL CHAMBER

300 psi at +10° TO +225° F
(Max Allowable Working Pressure)
+10° F at 300 psi
(Min. Design Metal Temperature)
( )

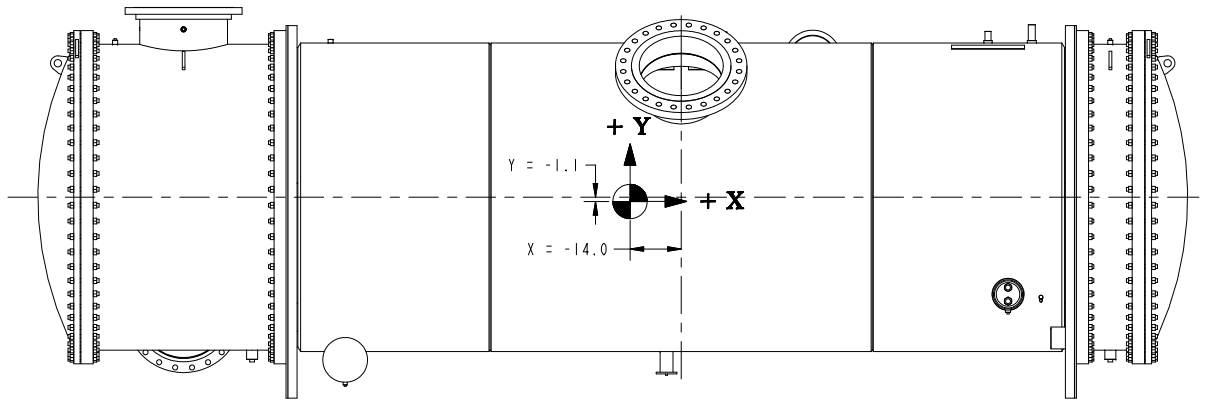
TUBE CHAMBERS

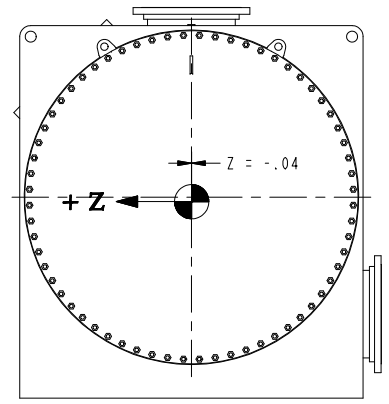
150 psi at +30° TO +160° F
(Max. Allowable Working Pressure)
+30° F at 150 psi
(Min. Design Metal Temperature)
( )

(by Q.C.) (Manufacturer's Serial Number) (by Q.C.) (Year Built)

19. CLEAN VESSEL IN ACCORDANCE WITH ENG. STD. M-90.
20. ENTIRE SURFACE INSIDE CHANNEL BOX SHELLS TO BE COATED WITH "ENECON" IN ACCORDANCE WITH DRAWING 076-80062-000. ALSO COAT COVER PLATES WITH "ENECON".

⊕ = CENTER OF GRAVITY



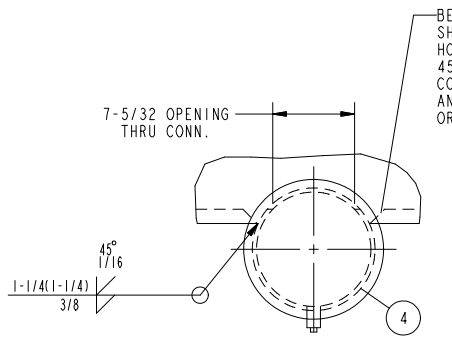


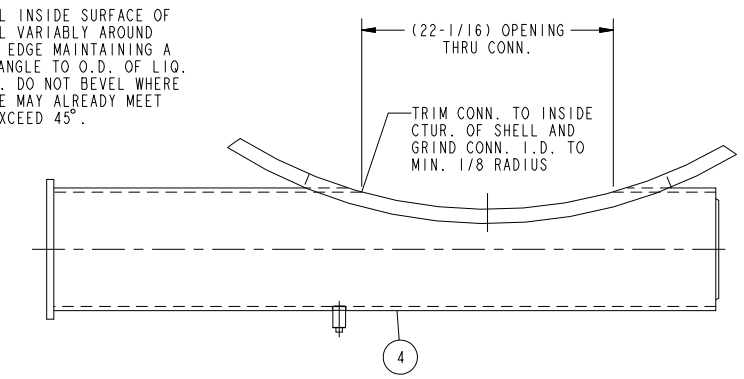
CENTER OF GRAVITY
(WITHOUT TUBES AND NOZZLE CLOSURES)

DRY WEIGHT AS FOLLOWS:
A) SHELL WITH TUBE HEADS = 36,100 LBS.
B) A + WATER NOZZLES AND BOXES = 46,450 LBS.
C) B + COVERS = 54,740 LBS.
D) C + TUBES = 94,800 LBS.

HYDRO. WEIGHT AS FOLLOWS:
A) WATER BOXES AND SHELL FILLED WITH WATER = 111,340 LBS.
(LESS TUBES)

OPERATING WEIGHT (LESS REFRIGERANT) = 123,340 LBS.





DETAIL Y

THIS VESSEL CONFORMS TO THE REQUIREMENTS OF THE ASME PRESSURE VESSEL CODE SECTION VIII, DIVISION 1. LATEST EDITION AND ADDENDA.

YCI0-058

S.O. 0J060251-03 THRU 18

REVISION	REV.	DATE	EC. NO.	DR.	CHK.	ENG.
	G	04-APR-2011	CSII-0208	KLS	KLS	
	REVISED ITEM 9, WAS 023-09995-000.					

CONTINUED

THIRD ANGLE

YORK INTERNATIONAL

YORK INTERNATIONAL CORPORATION
YORK, PA 17405

DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES PER ENG. STD. M-282

DWG-CONDENSER
82 ID X 18 LG Y CL B
2 PASS, 4948 TUBES
300/150 DWP TITAN

MATERIAL
ENG. STD.
PART NO.
CUT SIZE

DRAWN	K.L.SEIPLE	30-SEP-2010
MODELER	K.L.SEIPLE	30-SEP-2010
CHKD	K.L.SEIPLE	07-OCT-2010
ENG		

SCALE: .012 WEIGHT:

CAGE NUMBER	DRAWING NUMBER	REVISION
D 66935	077-31991-000	G
		VERSION 0

ORIG. NO.: 077-14994D REV. - SHEET 1 OF 4 RELEASED