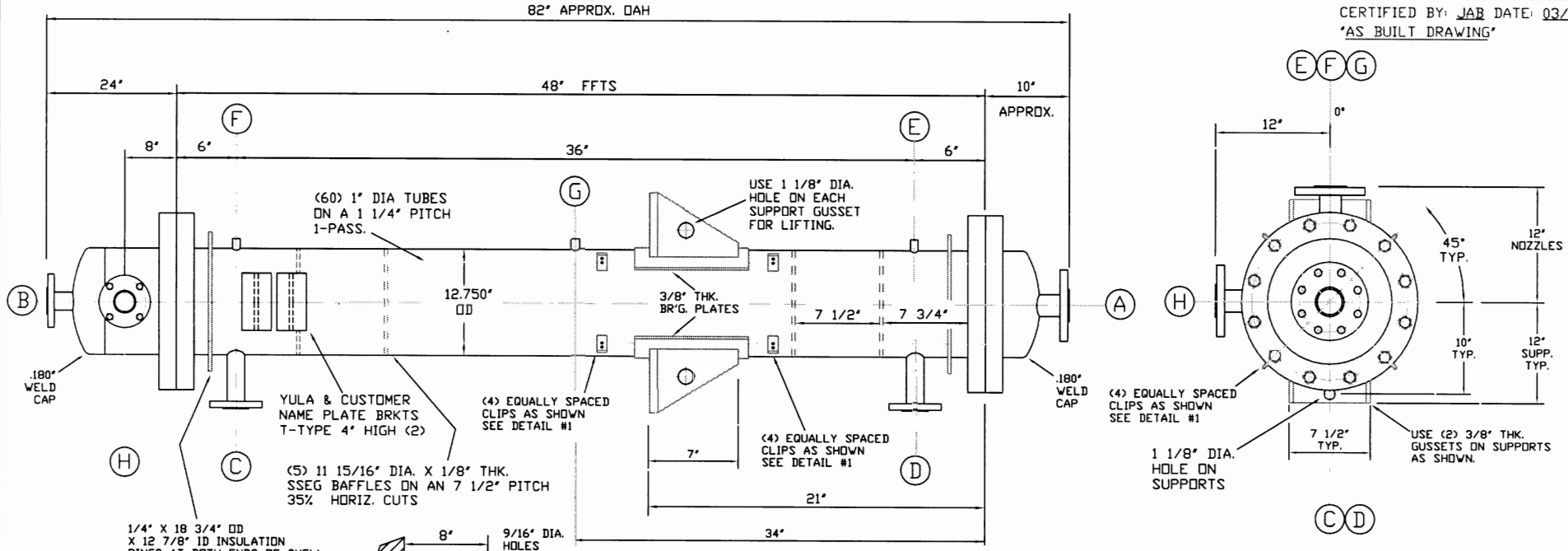
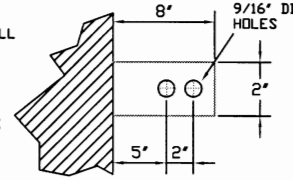
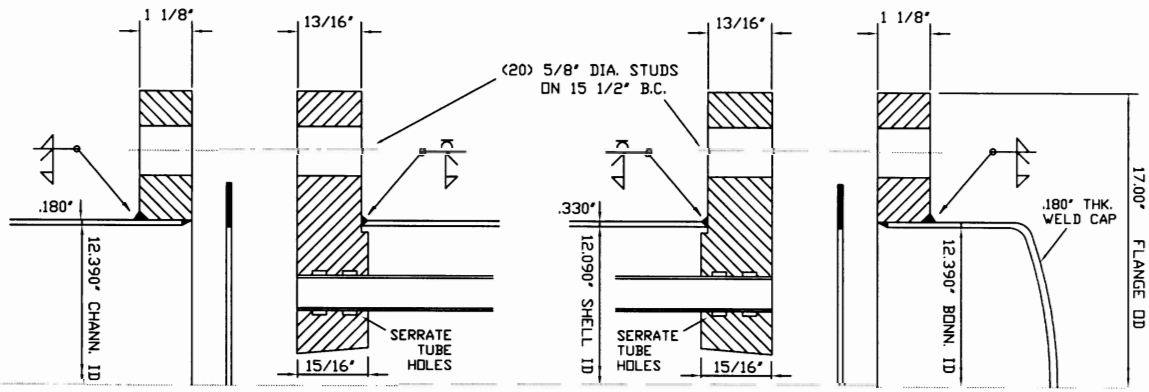
CERTIFIED FOR: THERMAL KINETICS
CERTIFIED BY: JAB DATE: 03/13/2007
'AS BUILT DRAWING'





DETAIL NO. 1
FIRE PROTECTION CLIPS
3/8" C/S PLATE SA-36
(8) REQUIRED.



DESIGN DATA

	SHELL	TUBES
DESIGN PRESS. (PSIG)	100	100/FV
DESIGN TEMP. (F)	-20/250	-20/250
TEST PRESS. PSI (PED)	130	130
NO. OF PASSES	1	1
CORROSION ALLOW.	1/16"	0
TEMA C TYPE BEM		
WELD PROCEDURE: WPS-12 & WPS-6		
A.S.M.E. SEC. VIII DIV 1 2004 A06		YES
CODE CONSTRUCTED & STAMPED		YES
HEATING SURFACE		63 SQ. FT.

YULA RESPONSIBLE FOR MECHANICAL DESIGN.
WIND DESIGN CRITERIA BOCA 1996.
ASCE 7-95
SEISMIC DESIGN CRITERIA: BOCA 1996
ASCE 7-95 BLD'G. CAT. III
SEISMIC IMPORTANCE FACTOR 1.15
SOIL PROFILE: D
SEISMIC PERFORMANCE CATEGORY C

WEIGHTS

SHIPPING WEIGHT	APP 550 LBS
FULL OF WATER	APP 800 LBS

MATERIAL

COMPONENT	A.S.M.E. SPEC. NO.
SHELL CYLINDER	CS SA-53 GR.B
SHELL NOZZ NK.	CS SA-53 GR.B
SHELL NOZZ FLG.	CS SA-105
SHELL CPLGS.	CS SA-105
(60)TUBES 1" x 18 BWG(AW)	SS SA-249 TP.304L WLD.
TUBESHEETS	SS SA-240 GR.304L
CHAN. CYLINDER	SS SA-312 TP.304L
CHAN. NOZZ NK.	SS SA-312 TP.304L
LAP JT. STUB ENDS	SS SA-403 WP304L
CHAN. NOZZ FLG.	CS SA-105
CHAN. UNIT FLG.	SS SA-240 GR.304L
CHAN. COVER (2)	SS SA-403 WP304L
SUPPORTS	CS SA-36
FIRE PREVENT. CLIPS	CS SA-36
BAFFLES	CS SA-36
TIE RODS	CS SA-36
BOLTS	SS SA-193-B8 CL.1
NUTS	SS SA-194-8

GASKETS

TUBES: (2) GARLOCK IFG-5500 RINGS
14 3/4" OD X 13 3/4" ID.

PAINT

CS: YULA BLUE SS: BEAD BLASTED.

NOZZLES w/(pipe,tk.)

SHELL	C	2"-150# RFSO (.154") WATER INLET
	D	2"-150# RFSO (.154") WATER OUTLET
	E	1"-3000# CPLG. VENT
	F	1"-3000# CPLG. DRAIN
	G	1"-3000# CPLG. P.R.V.
TUBE	A	1 1/2"-150# LAP JOINT (.145") VAPOR INLET
	B	2"-150# LAP JOINT (.154") DRAIN
	H	2"-150# LAP JOINT (.154") VAPOR OUT

GENERAL NOTES

1) ALL FLANGE BOLT HOLES STRADDLE CENTERLINES.
2) NOZZLES ARE ADEQUATELY COVERED FOR SHIPPING COUPLINGS ARE COVERED
3) TUBESHEETS ARE DOUBLE SERRATED PER TEMA.
4) ALL WELDS ARE FULL PENETRATION WELDS WITH NOZZ. FLUSH WITH I.D. OF SHELL.
5) TUBESIDE HAS A STD. MILL FINISH.

(1) UNIT REQUIRED

YULA MODEL WC-1E-48CS
KNOCKBACK CONDENSER
TAG NO. ET-4205

THERMAL KINETICS SYSTEMS, LLC
CANTON, IL.
P.O. NO. 73338-11 (REV. 4)

REVISIONS			
NO.	REVISION	DATE	BY
1	AS NOTED BY CUSTOMER	8/11/2006	JAB

YULA CORPORATION
330 Bryant Avenue,
Bronx, N.Y. 10474

JAB		
FGF	08/11/2006	20975-1