Is the undersigned, holding a valid commission issued by the New York and employed by have inspected the component described in this Manufacture knowledge and belief, the Manufacturer has constructed this certificate neither the inspector nor his employer makes any Manufacturer's Data Report. Furthermore, neither the inspector makes any commission or a loss of any kind arising from or connected with 25 15

(internal) (external)

Vin. design mettal temp. -20

10. Nozzles, inspection, and safety valve openings:

Purpose
(Inlet, Outlet, Drain) No. Diam. We certify that the statements made in this report are correct and that all details of design, material, construction and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division I. U Certificate of Authorization No. 32,004 Expires 126

Date 2/2/07 (5) Name Bota Welding, LLC Signed Manway 11. Supports: Skirt 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: (a) TOP ::
(b) BOTTOM |
If removable, bolts used (describe 8. Heads: (a) Math 7. Seams: 6. Shelf Level
CIP
Feed & Liquid Outlet
Vapor Outlet Location of installation Manufactured for: Impact Test Exempt Per UHA-51(d)&(g) UCS 66(c), Owner/User responsible for Pressure Relief Valve
(2)1/4"SA240 stiffener rings welded to shell(1) welded to head.Cir seam 70% E. 2 Lifting Lugs welded to head for lifting empty ONLY.

CERTIFICATE OF SHOP/FIELD COMPLIANCE The cherrical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE The design, construction, and workmanship conform to ASME Rules, Section VIII, Div. 1 Manufactured and certified by: onstructed by
"referred, holding a valid of
ar SA-240 TP-304L FORM 1-14 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop or Rield Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 Vertical Type 1 Minimum Thickness TP-4113 None CERTIFICATE OF SHOP/FIELD INSPECTION

Welding, LLC

at

402 - 56th Street, Ningara Falls, NY 14304

on issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of SA-240 TP-304L Corrosion Lugs Type Matl

Stud-pad SA-240 TP-304L

Cl150Fig SA-312 TP-304L

Cl150Fig SA-312 TP-304L

W.E SA-312 TP-304L

Cl150Fig SA-312 TP-304L HSB CT

And state that, to the best of my this pressure vessel in accordance with ASME Code, Section VIII. Division 1. By signing this any warranty, expressed or implied, concerning the pressure vessel described in this inspector nor his employer shall be liable in any manner for any personal injury or property °F at Thermal Kinetics Systems, LLC 667 Tifft Street Buffalo, NY 14220 (Name and address of purchaser) 70 Eff. (%) psi at max temp. (CRN)  $\widetilde{E}_{i}^{*}$ 25 N/A Bota Welding, LLC 402 - 56th Street, Niagara Falls, NY 14304 Knuckle Elliptical Radius Ratio psi. (b) Matl (Name and address)

6018-MQ-4113

Rev 4

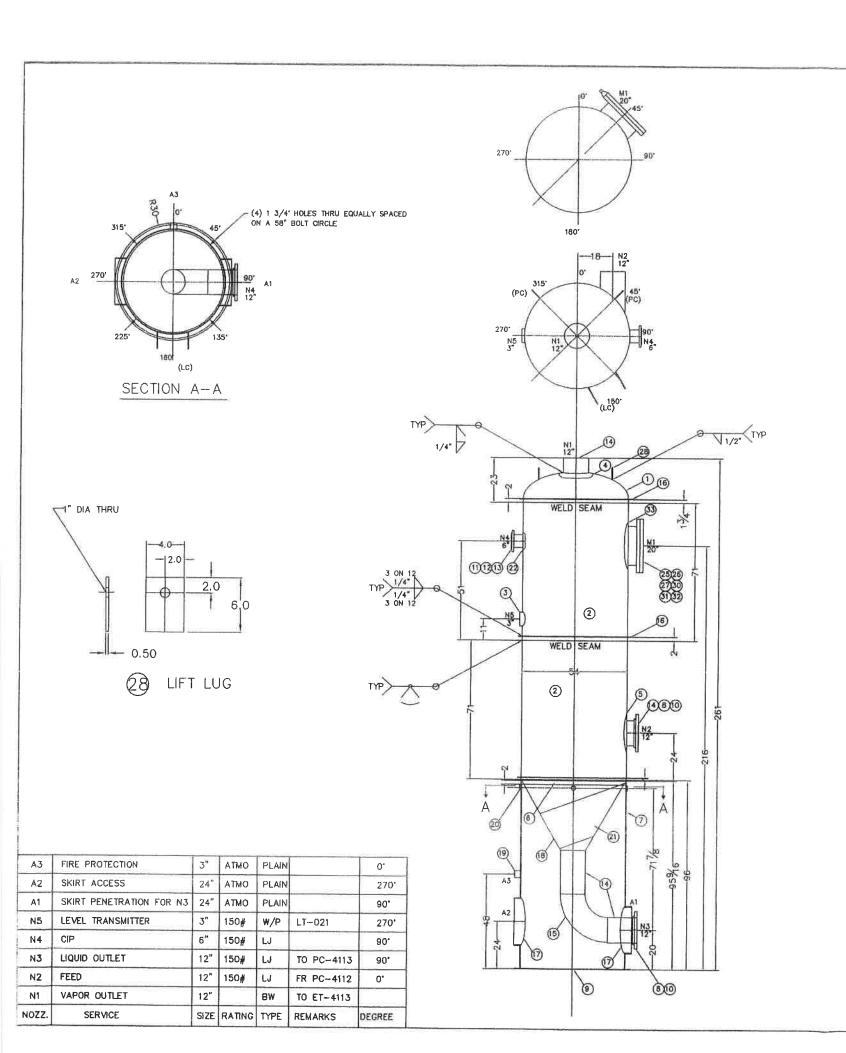
(Drawing No.) (Internal)
Hydro, pneu., or comb. test press. Nom. Reinforcement
Thk Material
L 1.437 N/A
L .2800 SA240typ304L
L .3750 SA240typ304L
L .3750 SA240typ304L
L .3750 SA240typ304L
SA240typ304L Cart, Allow (In.) Conical Apex Angle 8 SA240typ304L SA240typ304L SA240typ304L SA240typ304L SA240typ304L Others Type 1 Hemispherical Flat Radius Diameter (Nat'l Bd. No.) 4" 5-1/2" 115 SA-240 TP-304L Special Service per UI None R.T.(Spot eff. (%) or Full) Attached
UW16.1©
UW16.1©
UW16.1©
UW16.1©
UW16.1©
UW16.1© 230 (external) 33 11' 9-7/8" tength (s-errel) (n. 5 tr.) Location
Shell
Shell
Shell-cone
head
Shell
Welded
Welded 2009 Sd 2007 No. of Courses ů,

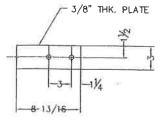
3/2 /07

Signed

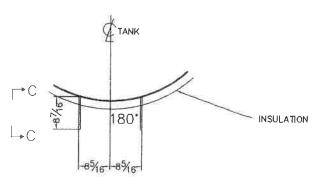
Commissions

NB11103ANY5078



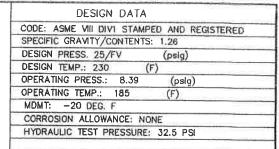


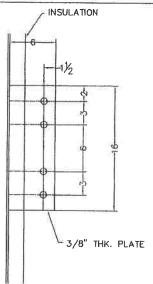
SECTION C-C



LADDER SUPPORT CLIP 3 SETS REQ'D

LC-2	138"	150°
LC-1	6"	150'
CLIP #	ELEVATION	ANGLE





## PLATFORM SUPPORT CLIP

4 PCS REQ'D

	PC-4	142-3/8"	5"	
	PC-3	142-3/8"	45"	
	PC-2	142-3/8"	86*	
	PC-1	142-3/8"	126*	
	CLIP #	ELEVATION	ANGLE	

## NOTES:

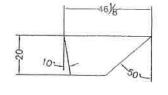
1) ALL BOLT HOLES TO STRADDLE NATURAL CENTERLINES UNLESS NOTED OTHERWISE,

2) ALL STAINLESS STEEL TO BE L GRADE AND CERTIFIED.
3) FOR ALL INTERIOR AND EXTERIOR SURFACES SEE
THERMAL KINETICS CLEANING AND BLASTING SPEC. GF-1.8.0 CLASS 1

4) ALL TOLERANCES PER ASME PRESSURE VESSEL CODE LASTEST EDITION, SECTION VIII, DIVISION 1 5) WIND 80 MPH. EXP. C WIF = 1.0

6) ALL FILLET WELDS TO BE 3/16" UNLESS NOTED

AS BUILT DRAWING



LADDER CLIP (LC)

BOTA WELDING THERMAL-KINETICS

TP-4113

CHECKED BY

PLATFORM CLIP

Plot Scola: Customer Dwg. Number 6018-MQ-4113 D DWG-NO

