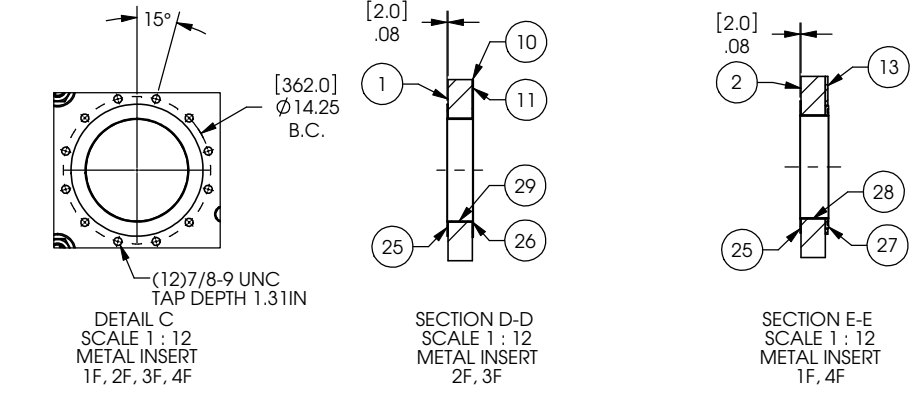
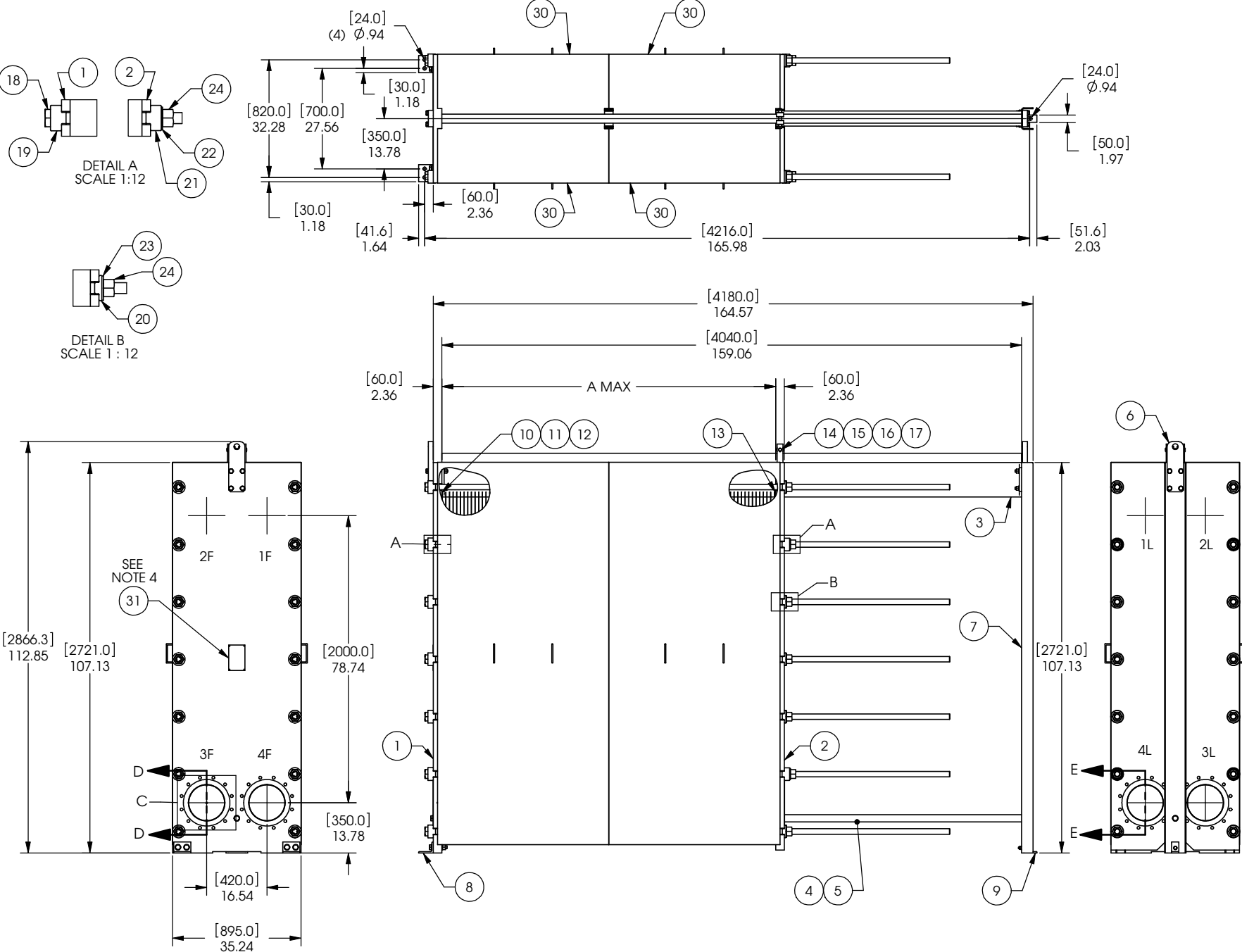


- NOTES:
1. DESIGNED, CONSTRUCTED, AND "U" STAMPED IN ACCORDANCE WITH ASME CODE SECTION VIII - DIV. 1 2007 EDITION, ADDENDUM 2009B.
 2. ALL DIMENSIONS ARE IN INCHES, (MM)
 3. TOLERANCES ON ALL DIMENSIONS +/- 1/8", TOLERANCE ON PREPARATION OF ANGLES +/- .5° UNLESS OTHERWISE NOTED.
 4. LOCATION OF NAME PLATE IS MANUFACTURE'S OPTION.
 5. SEE PURCHASE ORDER FOR DETAILED INFORMATION



SERIAL NUMBERS	ENA-141/50006
FLOW DIAGRAM	SENA-141/50006
CUSTOMER	Southwest Thermal Technology
GEA ORDER NUMBER	1360002340/10
PURCHASE ORDER NUMBER	1010428
CUSTOMER TAG	

OPERATING DATA		PRIMARY (HOT SIDE)	SECONDARY (COLD SIDE)
MEDIA		Hot Water	Cold Water
TEST PRESSURE	PSIG / BARG	195.00 / 13.44	195.00 / 13.44
MIN PRESSURE	PSIG / BARG	0.00 / 0.00	0.00 / 0.00
MAX PRESSURE	PSIG / BARG	150.00 / 10.34	150.00 / 10.34
MIN TEMPERATURE	°F / °C	32.00 /	0.00
MAX TEMPERATURE	°F / °C	230.00 /	110.00
HEAT EXCHANGE SURFACE	FT² / M²	9910.86 /	920.75
NET WEIGHT	LBS / KG	16538.68 /	7500.54
OPERATING WEIGHT	LBS / KG	23034.99 /	10446.71
INLET TEMPERATURE	°F / °C	185.00 / 85.00	70.00 / 21.11
OUTLET TEMPERATURE	°F / °C	72.60 / 22.56	182.40 / 83.56
VOLUMETRIC FLOWRATE	GPM / LPM	350.00 / 1,324.89	350.00 / 1,324.89
PRESSURE DROP	PSI / BAR	9.85 / 0.68	9.88 / 0.68
VOLUME	FT³ / L	52.736 / 1,493.32	52.736 / 1,493.32

TEST	DRAWING APPROVED BY		GEA PHE SYSTEMS NORTH AMERICA INC.	
	APPROVAL OF OUTWARD DIMENSIONS		GEA PHE SYSTEMS NORTH AMERICA INC.	
SURFACE	PRESSURE TEST		GEA PHE SYSTEMS NORTH AMERICA INC.	
	DESIGN ACC. TO		ASME SECT VIII ADDENDA 2009b	
CONNECTIONS	FLUID		WATER	
	SANDBLASTING		SSPC-SP-10	
NOMINAL SIZE (IN)	PRIMER		42609-1-3370-PRO006 3.1.1	
	TOP COAT		42609-1-3370-PRO006 3.1.1	
RATING	COLOR		RAL5002	
	1F		2F	
LENGTH OF PLATE PACK	3F		4F	
	1L		2L	
NOMINAL SIZE (IN)	3L		4L	
	1L		2L	
RATING	3L		4L	
	1L		2L	

ITEM NO.	CUSTOMER BOM DESCRIPTION	CUSTOMER MATERIAL	QTY
1	BS NT250L BY150	SA516 GR70	1
2	FL NT250L BY150	SA516 GR70	1
3	CARRY BEAM NT250 4040MM LG	A36 CARBON STEEL	1
4	GUIDE BEAM 4070MM LG	A36 CARBON STEEL	1
5	GUIDE BEAM SLEEVE 4040MM LG	SA249-304	1
6	NT250 LIFTING LUG REINFORCED	A36 CARBON STEEL	2
7	NT250 SUPPORT LEG METRIC	A36 CARBON STEEL	1
8	NT100/150/250 FRONT FOOT	A36 CARBON STEEL	2
9	NT150-250 REAR FOOT	A36 CARBON STEEL	1
10	DISTANCE SHEET NT250L .078"	SA240-304	1
11	HEAT TRANSFER PLATE NT250L	STAINLESS STEEL 304	637
12	GASKET NT250L	NBR	637
13	DISTANCE SHEET NT250L .25"	SA240-304	1
14	ROLLER AXLE NT250	STAINLESS STEEL 304	1
15	RETAINER RING EXTERNAL 20MM	SA240-304	2
16	BEARING ROLLER PLASTIC	DELIRIN ACETAL	2
17	BRACKET ROLLER NT250 REINFORCED	A36 CARBON STEEL	2
18	1-1/2 TIE ROD 144" LONG ASSY	SA193 B7 ZINC	14
19	LOCKING BUSHING 1-1/2"	A36 CARBON STEEL	14
20	THRUST BUSHING 1-1/2"	CAST CARBON STEEL	10
21	THRUST BUSHING WITH BEARING 1-1/2"	CAST CARBON STEEL	4
22	WASHER FLAT 1-1/2"	CS/ZINC	4
23	WASHER FLAT 1-1/2"	CuAl10Ni5Fe4	10
24	HEAVY HEX NUT 1 1/2-8 UNC	SA194-2H ZINC	14
25	10" OUTSIDE RING	SA240-316L	4
26	10" INSIDE RING W/OUT GROOVE	SA240-316L	2
27	10" INSIDE RING WITH GROOVE METAL LINER	SA240-316L	2
28	10" PIPE LINER	SA240-316L	2
29	10" PIPE LINER	SA240-316L	2
30	SHROUD NT250L BY-FRAME	STAINLESS STEEL 304	4
31	ASME NAME PLATE	STAINLESS STEEL 304	1

REV.	DATE	DESCRIPTION	ECN #	DR.	APPR.	3RD ANGLE PROJECTION		NT250L BYF150		Southwest Thermal Technology	
0	10/20/10	NEW DRAWING	-	JP	EL	ALL RIGHTS RESERVED. THIS DRAWING MAY NOT BE COPIED, AND NO INFORMATION OR DATA CONTAINED WITHIN THE DRAWING MAY BE DISCLOSED, WITHOUT THE EXPRESS, WRITTEN RELEASE BY GEA PHE SYSTEMS.		DATE:		SCALE:	
1	11/30/10	CHANGE BEAM LG 3740mm TO 4040mm		JP	EL	DO NOT SCALE DRAWING		10/20/10		1:24	
								DRAWN BY:		APPROVED BY:	
								JP		EL	
										SHEET: 1 OF 1	
										DRAWING NO. ZENA-141-50006	
										REV. 1	