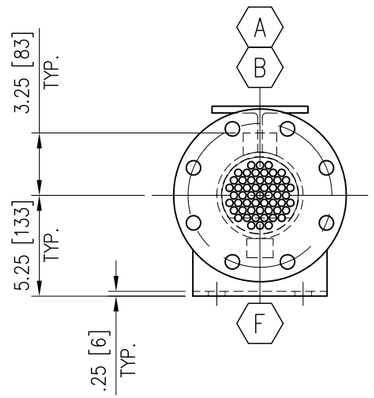
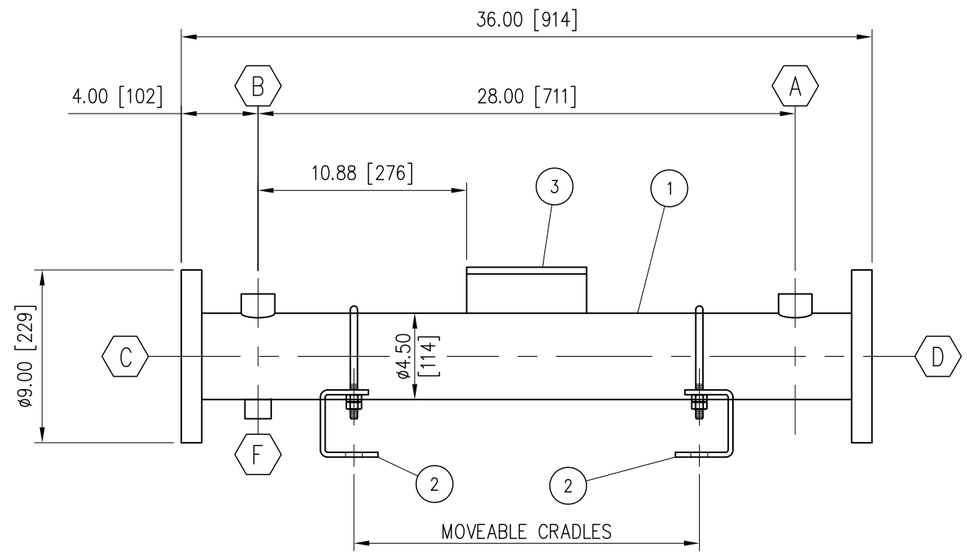
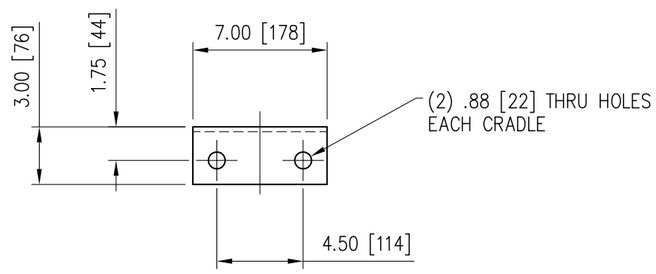






NOTES:

1. WEIGHTS:
   DRY: 104 LBS.
   FLOODED: 118 LBS.
2. ALL BASCO ASME CODE UNITS ARE REGISTERED WITH NATIONAL BOARD
3. COMPONENTS MARKED * ARE RECOMMENDED SPARE PARTS
4. PAINT PER GARDNER DENVER NASH PROCEDURE 105-1911.
   EXTERNAL FINISH:
   SANDBLAST PER SSPC-SP-6
   PRIMER: ONE (1) COAT CARBOGUARD 8922LH @ 2-4MILS DFT, COLOR: GRAY 0700
   FINISH: ONE (1) COAT CARBOLINE 8845 @ 3-5 MILS DFT, COLOR: NASH BLUE

NOZZLE SCHEDULE

TAG	SIZE	TYPE	SERVICE
A	1"	3000# HALF CPLG	SHELL SIDE CONN
B	1"	3000# HALF CPLG	SHELL SIDE CONN
C	4"	150# ANSI FF	TUBE SIDE CONN
D	4"	150# ANSI FF	TUBE SIDE CONN
E			
F	3/4"	3000# HALF CPLG	SHELL SIDE DRAIN
G			
H			
J			
K			
L			
M			
N			

DESIGN DATA

	SHELL SIDE	TUBE SIDE
DESIGN PRESSURE	150 PSIG/ 10.3 Bar	150/FV PSIG / 10.3 Bar
TEST PRESSURE	195 PSIG / 13.4 Bar	200 PSIG / 13.9 Bar
DESIGN TEMP	-20/200°F -29/93.3°C	-20/375°F -29/190.5°C
CORR. ALLOWANCE	.063 [1.5] on C'Stl.	NONE
RADIOGRAPHY	NONE	NONE
PWHT	NONE	NONE

TUBE/TUBE SHEET JOINT = ROLLED ONLY

MATERIALS OF CONSTRUCTION

PART	SHELL SIDE	TUBE SIDE
TUBES	SA-249 316 (WLD)	
TUBESHEETS	SA-240 316	
BAFFLE/FINS	STEEL	
HEADS		
SHELL	SA-53 B/E	
NOZZ FLGS		
CPLGS	SA-105	
BOLTS/NUTS		
GASKETS		
O-RINGS		
BODY FLGS		

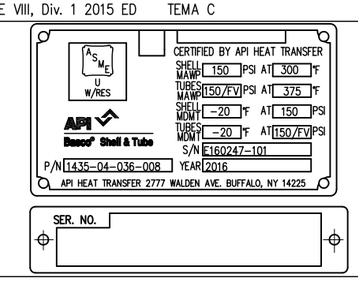
DIMENSIONS & DATA CERTIFIED FOR

CUST. ORDER: 4383852

BASCO ORDER: E160247-101

BY: CJM DATE: 08/18/2016

CODES:
ASME VIII, Div. 1 2015 ED TEMA C



This document contains proprietary information and may not be disclosed to others for any purpose or used for manufacturing purposes without written permission from API Basco.

DRAWN 08/18/2016 BY: CJM | CHECK 08/22/2016 DAG

SCALE 1:8 | CONTRACT NO E160247-101

API HEAT TRANSFER

PRECONDENSER

SIZE: 04036; TYPE: "E" SECTION

SIZE B | DWG NO 1435-04-036-008 | REV 0

Item	Qty	Description	Mat'l	Specification	Size	Dwg No	Part No
8	0	TOP COAT: CARBOLINE 8845					4051-01-0199-48
7	0	PRIMER: CARBOGUARD 8922LH					4051-04-0299-78
6	2	SHIPPING COVER, 4"-150# ANSI					4075-04-1512-00
5	1	PIPE PLUG, 3/4" NPT, SQ. HD.	FORG. STEEL	SA-105			4020-95-0101-00
4	2	SHIPPING PLUG, 1" NPT SIZE	PLASTIC				4094-01-0112-00
3	1	NAMEPLATE	STN.STL.				4072-01-0106-01
2	2	CRADLE ASSEMBLY	STEEL		B	2037-04-003-000	2037-04-003-000
1	1	CORE ASSEMBLY	316SS/STEEL		B	2070-04-036-012	2070-04-036-012

API BASCO DEFAULTS (UNLESS OTHERWISE SPECIFIED)

ALL DIMENSIONS IN INCHES UNLESS DENOTED AS METRIC (mm)
1" = 1 INCH = 25.4mm
3rd ANGLE

TOLERANCES (unless specified) PER TEMA STANDARDS
ALL BOLT HOLES STRADDLE VERTICAL CENTERLINES.

This document contains proprietary information and may not be disclosed to others for any purpose or used for manufacturing purposes without written permission from API Heat Transfer.