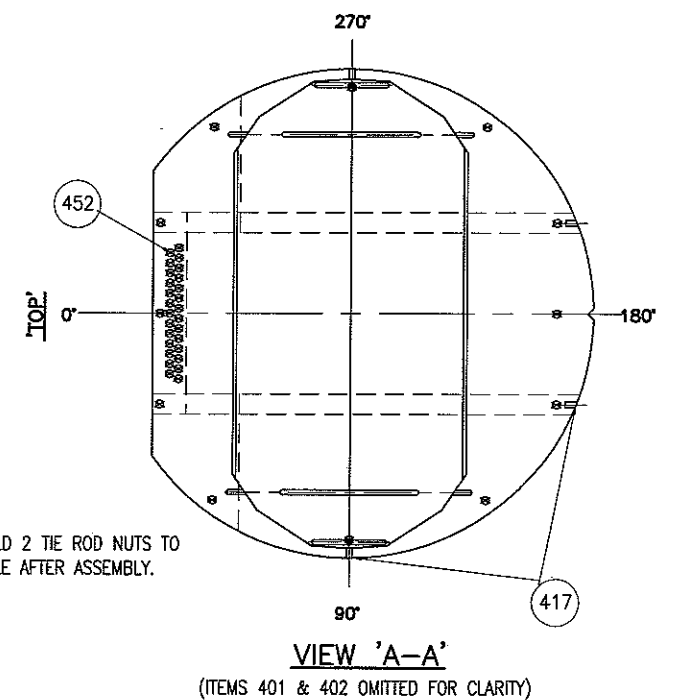
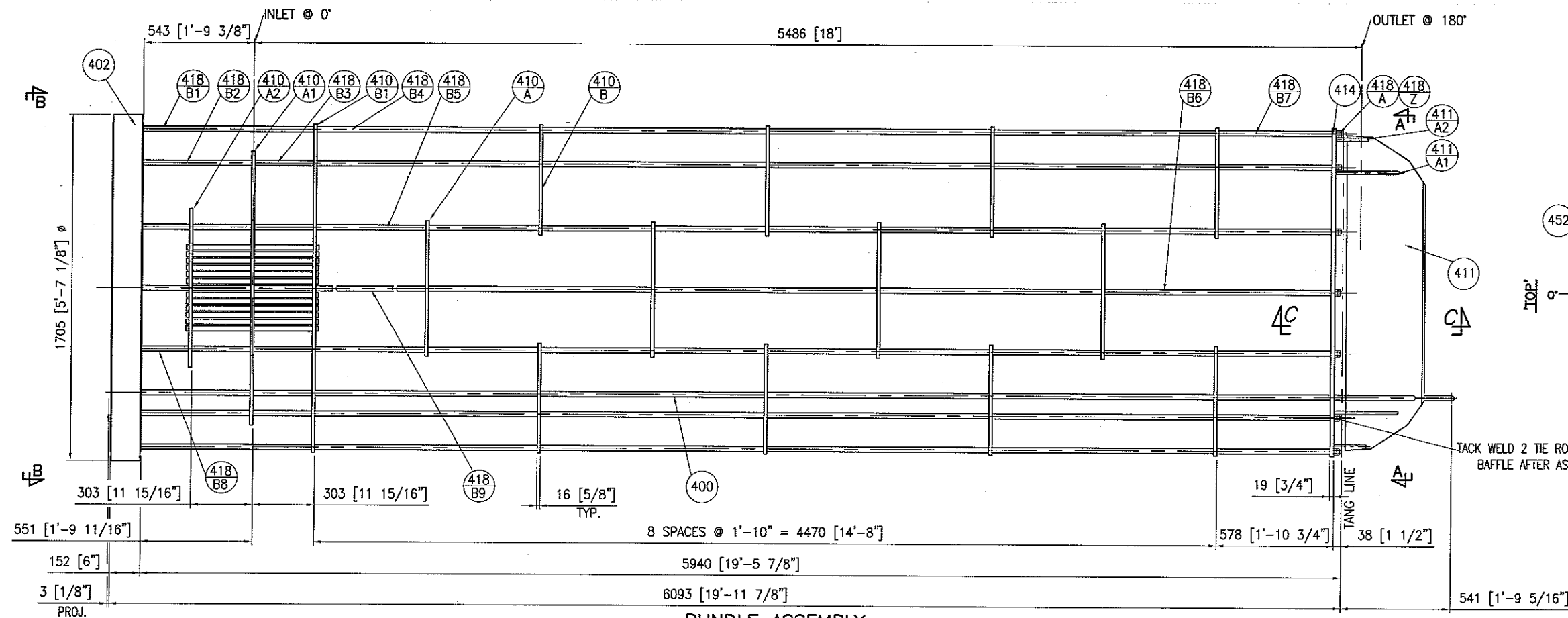
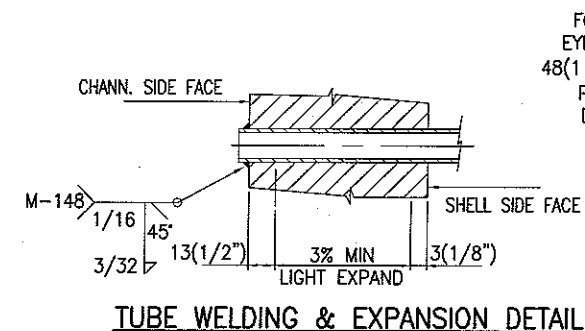
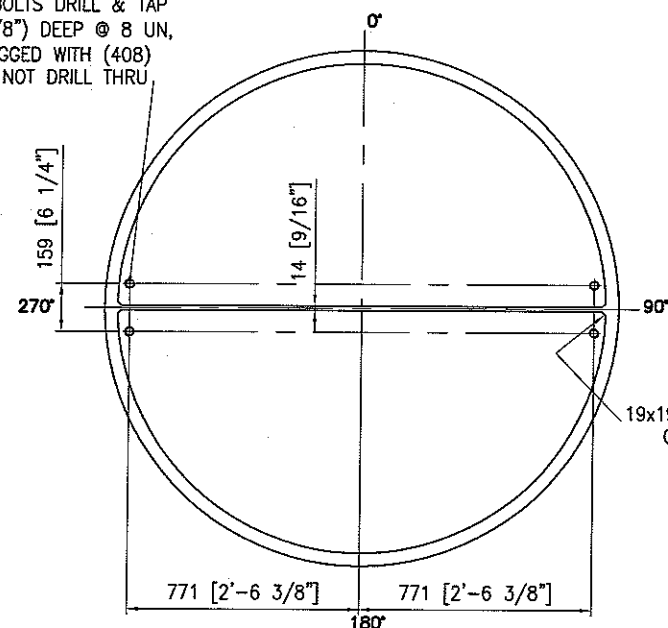




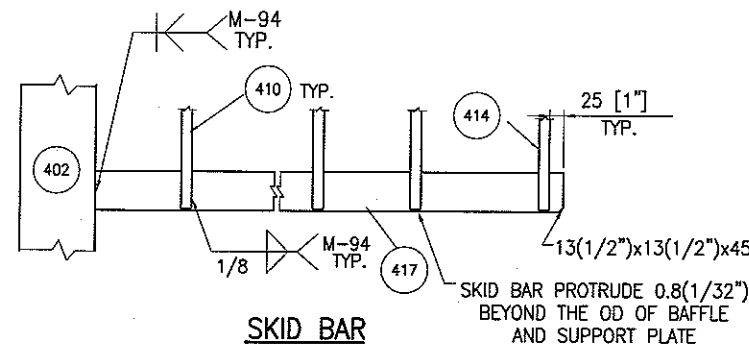
BUNDLE ASSEMBLY
(VIEWED FROM TOP)



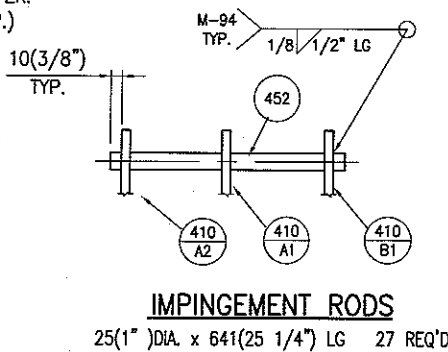
FOR 4-32(1 1/4")
EYE BOLTS DRILL & TAP
48(1 7/8") DEEP @ 8 UN,
PLUGGED WITH (408)
DO NOT DRILL THRU



VIEW 'B-B'
(SHOWING P.P. PLATE GROOVE
& EYE BOLT HOLES)



SKID BAR



IMPINGEMENT RODS

SKID BARS		
ITEM #	QTY.	SIZE
417	4	19 THK x 41 x 5928 LG (3/4" THK x 1 5/8" x 233 3/8" LG)

NOTES

- 1). FOR BAFFLE AND SUPPORT PLATES DETAILS SEE DWG. T10176-9.
- 2). THREAD TIE RODS 25(1") LONG ONE END AND 64(2 1/2") OTHER END, AT SHELL SIDE OF 402 TUBESHEET, DRILL & TAP FOR 12 - 16(5/8")
TIE RODS 24(15/16") DEEP @ 11 U.N.C. (SEE T.L.O. FOR LOCATION)
- 3). DRILL & REAM HOLES ON TUBESHEET 25.55(1.006") $\pm 0.1(0.004)$.
- 4). P.P. PLATE GROOVE ON TSHT IS 14 ± 1.6 (9/16") $\pm 1/16$ WIDE x 5 ± 0.0 (3/16") ± 0.0 DEEP.
- 5). QUANTITIES SHOWN ARE FOR ONE UNIT.

TOLERANCES

LOCATION OF PARTITION GROOVES = $\pm 0.4(1/64)$
UNLESS OTHERWISE NOTED ALL OTHER DIMENSIONS = $\pm 1.6(1/16)$

TIE RODS		
ITEM #	QTY	LENGTH
418A	12	5953 (234 3/8")
SPACERS		
ITEM #	QTY	LENGTH
418B1	4	838 (33")
418B2	5	535 (21 1/16")
418B3	10	287 (11 5/16")
418B4	30	1102 (43 3/8")
418B5	33	543 (21 3/8")
418B6	2	1118 (44")
418B7	10	559 (22")
418B8	3	232 (9 1/8")
418B9	1	846 (33 5/16")

0	09.05.22	C.H	FOR REVIEW AND APPROVAL
REV	DATE	BY	REVISION DESCRIPTION
K KOCH A Koch Chemical Technology Group, LLC Company HEAT TRANSFER CANADA LP SARNIA TORONTO ONTARIO			
FOR		TITLE	
SHELL ALBIAN SANDS		SRU FEED STEAM HEATER	
FORT McMURRAY ALBERTA			
DRAWN: C.H	DATE 09.05.22	SERIAL No.: T10176A/H	
CHK'D: <i>[Signature]</i>	DATE <i>[Signature]</i>	PO No.: 50274775 002 OP	
APPR'D: <i>[Signature]</i>	DATE <i>[Signature]</i>	ITEM No.: 260-SX-101/201A/B/C/D	
SCALE: NONE		No. OF UNIT: EIGHT	
KHTC DRAWING :		KHTC DRAWING No.: T10176-3	
BUNDLE DETAILS			REV 0