



LINE	N° REQ'D.	O.D.	BWG (MIN)	L	R	TOTAL LENGTH *
1	46	1"	12	20'-0"	2"	40'-8 5/16"
2	45				3 1/8"	40'-11 7/8"
3	46				4 9/32"	41'-3 7/16"
4	45				5 13/32"	41'-7"
5	44				6 17/32"	41'-10 9/16"
6	45				7 11/16"	42'-2 1/8"
7	44				8 13/16"	42'-5 11/16"
8	43				9 31/32"	42'-9 1/4"
9	42				11 3/32"	43'-0 7/8"
10	41				12 7/32"	43'-4 7/16"
11	42				13 3/8"	43'-8"
12	41				14 1/2"	43'-11 9/16"
13	40				15 5/8"	44'-3 1/8"
14	39				16 25/32"	44'-6 11/16"
15	36				17 29/32"	44'-10 1/4"
16	35				19 1/16"	45'-1 7/8"
17	34				20 3/16"	45'-5 7/16"
18	33				21 5/16"	45'-9"
TOTAL	741	U'S x 8 UNITS				

NOTES:

- FURNACE STRESS RELIEVE U-BENDS + 12" FROM TANGENT LINE AT 1175°F ± 25°F FOR 30 MINUTES.
- INCLUDES 2" ALLOWANCE FOR TRIMMING
- MATERIAL: C.S.
SPECIFICATION: SA-179 SML
- 1.3125" PITCH

1	09.5.27	C.H.	REVISED AS MARKED
0	09.4.29	HUI 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: HUI B.	DATE 09.4.29	SERIAL No.: T10176A/H	
CHK'D:	DATE 29.11.2009	PO No.: 50274775 002 OP	
APPR'D:	DATE 29.11.2009	ITEM No.: 260-SX-101/201A/B/C/D	
SCALE: NONE		No. OF UNIT : EIGHT	
KHTC DRAWING :		KHTC DRAWING No.:	REV
U-TUBE SCHEDULE		T10176-6	1