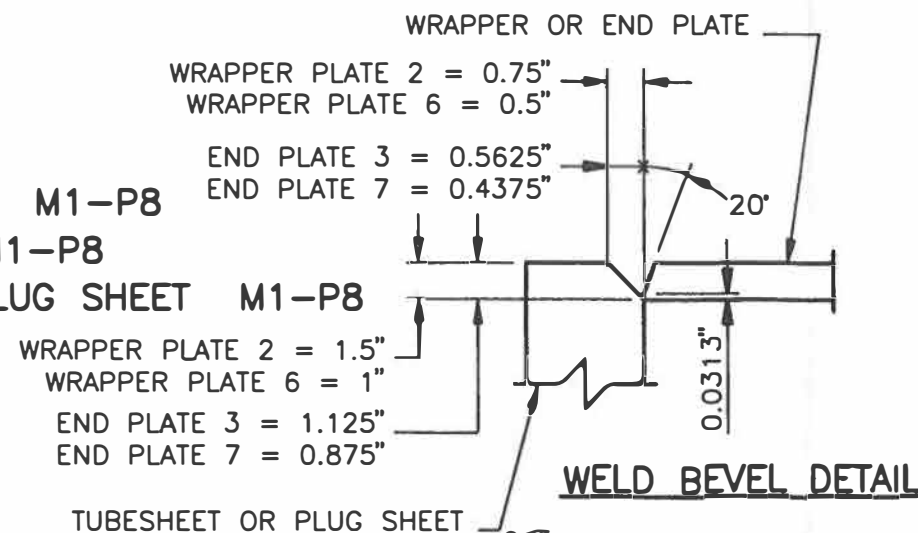


MATERIAL LIST FOR (1) ONE SECTION ONLY			
MARK	QUAN'T	DESCRIPTION	MATERIAL
1	2	TUBE AND PLUG SHEETS 1.75" x 17.625" x 157.875"	SA-240-304L
2	2	WRAPPER PLATES 1.5" x 7.875" x 157.875"	SA-240-304L
3	2	END PLATES 1.125" x 7.75" x 14.375"	SA-240-304L
4	1	STAY PLATE 0.75" x 8" x 155.625"	SA-240-304L
5	2	TUBE AND PLUG SHEETS 1.75" x 16.625" x 157.875"	SA-240-304L
6	2	WRAPPER PLATES 1" x 3.875" x 157.875"	SA-240-304L
7	2	END PLATES 0.875" x 3.75" x 14.375"	SA-240-304L
8	2	STAY PLATES 1" x 4" x 3.0625"	SA-240-304L
9	14	STAY PLATES 1" x 4" x 7.5"	SA-240-304L
10	4	8" - 900# RFWN FLG SCH 120	SA-182-F304L
11	4	8" - SCH. 120 (0.718" THK) x 5.5" LG	SA-312-F304L
12	2	1" - 6000# THREDOLET WITH PLUG	SA-182-F304L
	309	1" OD x 16 BWG M/W x 488 LG 576"	SA-249-316L
		STEEL TUBES WITH 0.625" HIGH "L" TYPE	
		ALUMINUM FINS 3" Ø ZINC BLOCKS (BLOCK ENDS)	
	618	STEEL SHOULDER PLUGS 1.125" Ø H.P. x 1.25" LONG U.H.	SA-479- 304 S.S.
	618	STEEL GASKETS	C1010/20

[illegible]

LONG SEAMS SA-A-17 & A-34
END PLATES SA-A-17 & M1-P8
T.O.L. TO WRAPPER & PIPE TO WRAPPER M1-P8
NOZZLE FLANGE TO PIPE SA-A-17 & M1-P8
STAY PLATE TO END PLATE & TUBE & PLUG SHEET M1-P8



ITEM NUMBER	E-1
DESIGN PRESSURE	1480 PSI
HYDRO TEST PRESSURE	2220 PSI HOLD (1) HOUR <i>-S/R. tubes</i>
DESIGN TEMPERATURE	200°F
MDMT	-40°F
CORROSION ALLOWANCE	NIL.
NUMBER OF PASSES	TWO
BARE SURFACE	38623 SQ FT
SECTION WEIGHT	33560 LBS ² .
CU. FT. CAPACITY	71.6 CU FT

SECTION MODEL NO. : 282B4402 309B6482
NO. OF SECTIONS REQ'D : ONE
ALL HEADER MATERIAL : SA-240-304L
CUSTOMER: MACDONALD ENGINEERING GROUP
P.O. NO. : ---
ITEM NO. : E-1

E-1



CALGARY, ALBERTA

SHEET 3 OF

DWN	MDK	CKD	DSL
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