

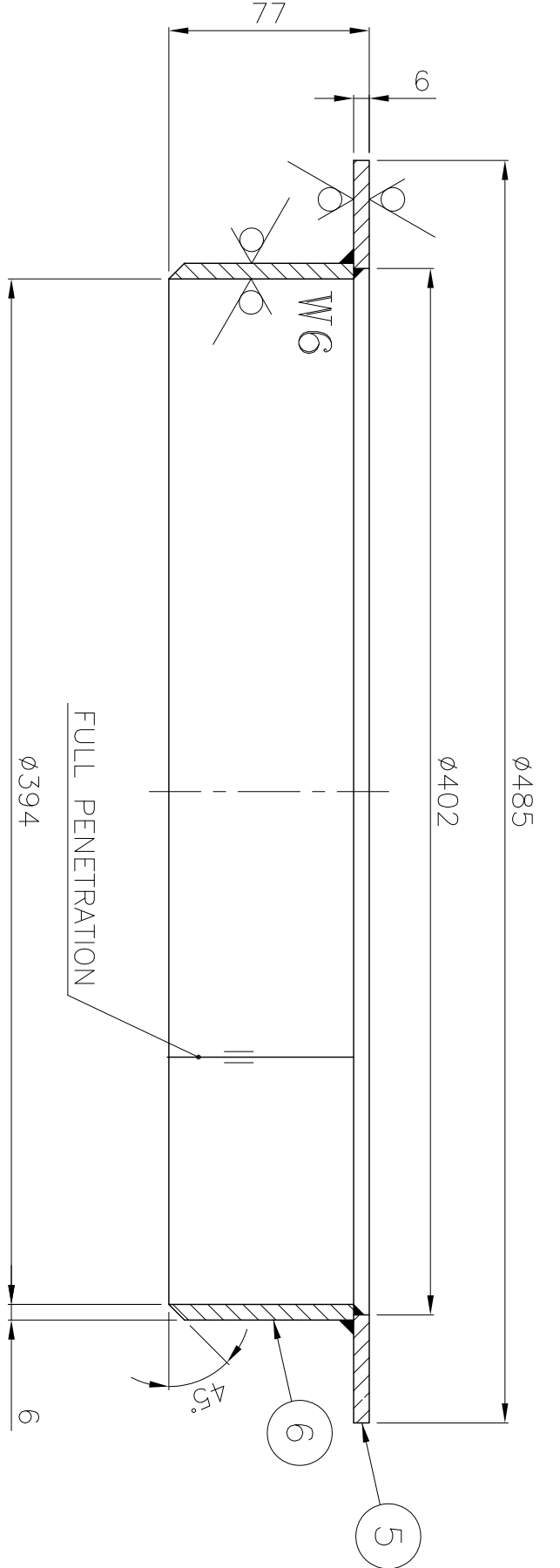
BILL OF MATERIAL

FOR: REFORMER TUBE DETAILS AND SECTIONS

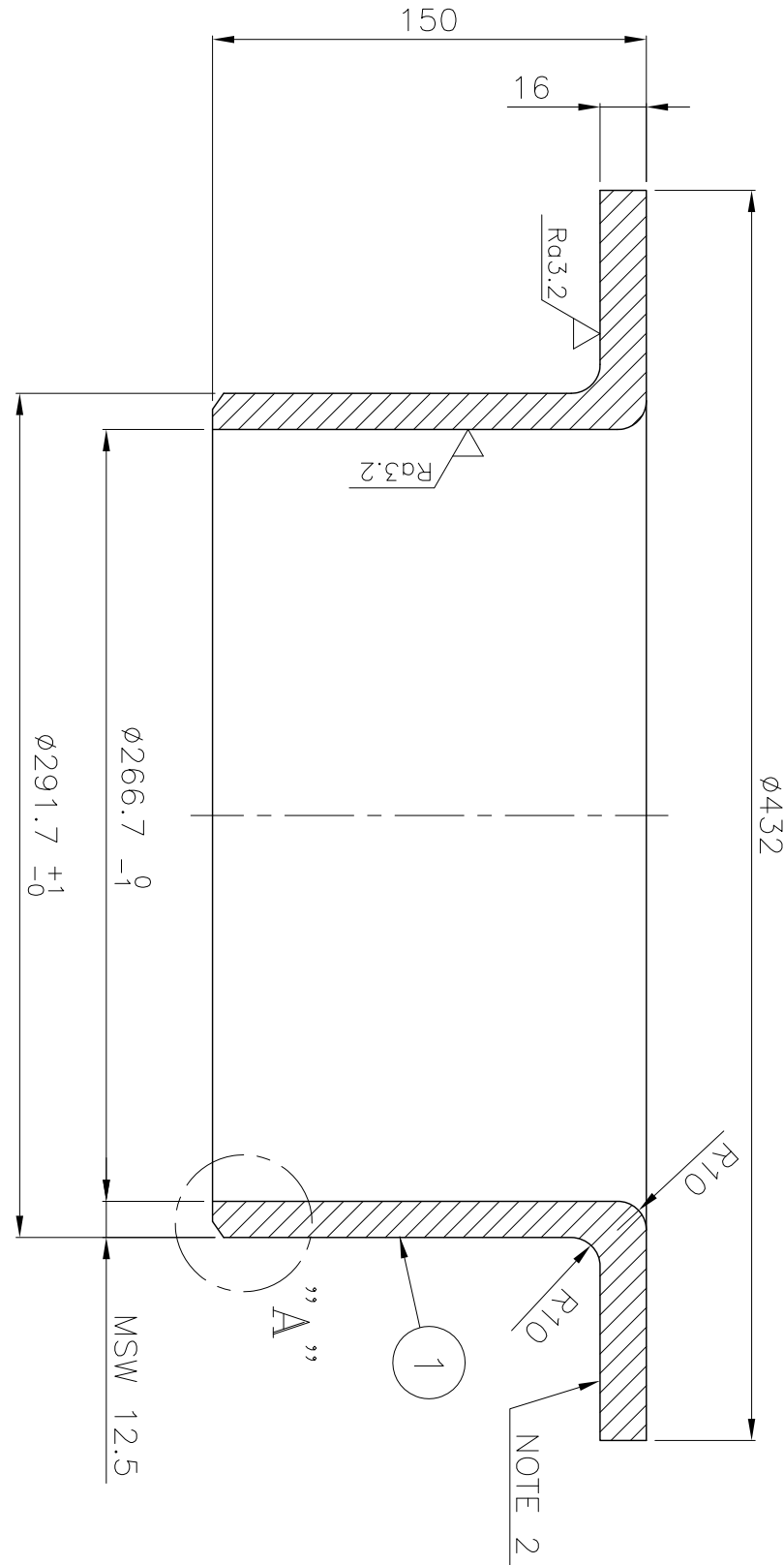
DWG: F2-101 (540-REQ'D)

ITEM QTY	DESCRIPTION	WEIGHT (kg)	MAT'L	STANDARD
		UNIT	TOTAL	
DETAIL F2-101-A				
1	CENTRICAST TOP FLANGE	23.6	23.6	GX45NiCrSiNbTi 35-25
2a	CENTRICAST TOP TUBE	360.5	360.5	Centrallloy 60 HTD
2b	CENTRICAST MIDDLE TUBE	415.1	415.1	G-NiCrTi28W G 4879 MICRO
3	CENTRICAST BOTTOM TUBE	136.3	136.3	GX45NiCrSiNbTi 35-25
4	LUG 10x25x25	0.03	0.12	GX40NiCrSiNb 35-25
5	PLATE 6x1D.402xO.D.485	2.8	2.8	C.S.
6	PLATE 6x1D.394 L=61	4.3	4.3	25Cr 20Ni
				Tp 310 SS

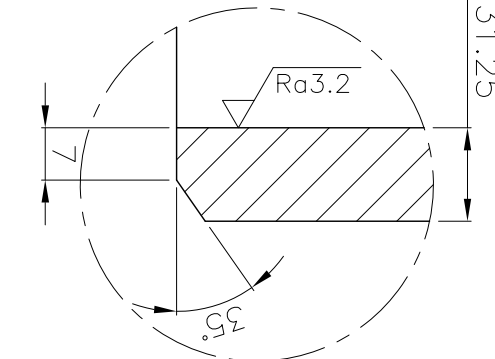
TOTAL APPROXIMATE NET WEIGHT ONE ASSEY 942.7 Kg
TOTAL APPROXIMATE NET WEIGHT 540 ASSEY 509069 Kg



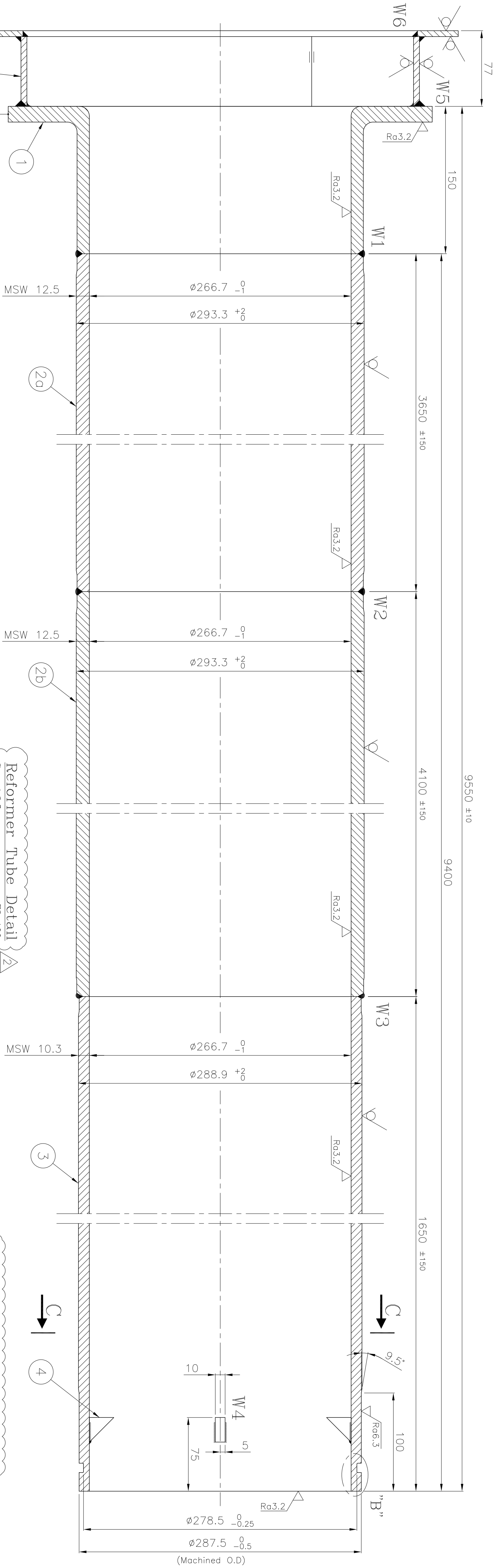
Detail Pos. 5.6
Sca: 1:2.5
F2-100



Detail Pos. 1
Sca: 1:2.5

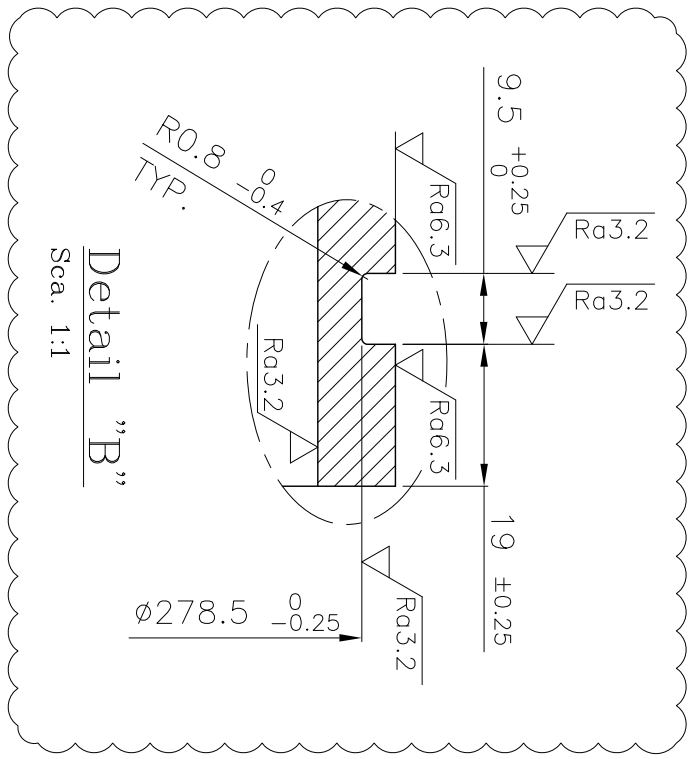


Detail "A"
Sca: 1:1

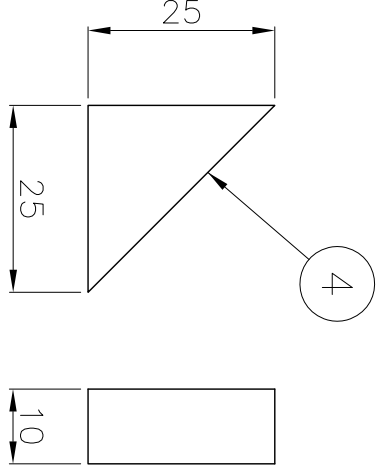


Reformer Tube Detail
Sca: 1:2.5
F2-100

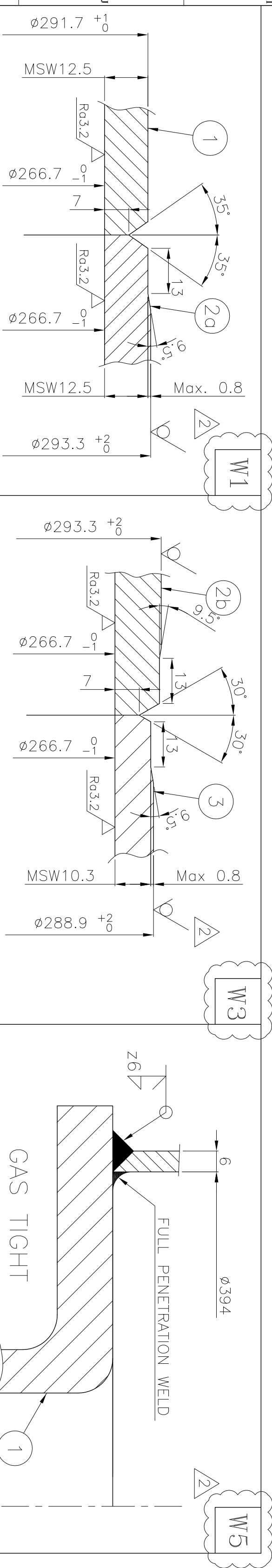
Sec. "C-C"
Sca: 1:2.5



Detail "B"
Sca: 1:1



Detail Pos. 4
Sca: 1:1



NOTES:
1. MSW=MINIMUM SOUND WALL THICKNESS
2. EACH REFORMER TUBE IS IDENTIFIED BY PROJECT NUMBER, P.O. NUMBER & ASSEMBLY NUMBER STAMPED ON THE EDGE OF THE FLANGE.

Max. 6.3 μmRa (Max. 3.2 μmRa AS CAST)

UNLESS OTHERWISE SPECIFIED		
	SURFACE FINISH	DIN 3141 RANGE 2
	3RD ANGLE PROJECTION	
	BREAK ALL MACHINED	
	SHARP EDGES BY 1x45°	
	WELDED CONSTRUCTION ACC. TO "AWS"	ALL DIM IN MILLIMETER

REFERENCE DRAWINGS:					
REV.	DATE	DESCRIPTION	ISSUED FOR CONSTRUCTION	MUSAWI ABEIDI M.A. ETYHAE	PURPOSE OF ISSUE
2	Oct. 2015	SIZE OF REFORMER TUBE CHANGED	ISSUED FOR CONSTRUCTION	MUSAWI ABEIDI M.A. ETYHAE	PREPARE CHECK
1	Jun. 2014				
Project: KOWSAR GISD MEGA MODULE PROJECT					
Client: KOWSAR GISD					
Contractor: MINES & METALS TECHNOLOGICAL ENGINEERING CO.					
Client's Project: Project Code: 119 Area Code: 1008 Plant Group: 7 Equipment Code: RM Document Type: 04 Discipline: Eng					
Signature: MTE Date: Jan. 2014 Drawing No: KCMMMR27P2101 Scale: 1:5 Sheet: 2					
Checked: MTE Date: Jan. 2014 Drawing No: KCMMMR27P2101 Scale: 1:5 Sheet: 2					
Approved: MTE Date: Jan. 2014 Drawing No: KCMMMR27P2101 Scale: 1:5 Sheet: 2					