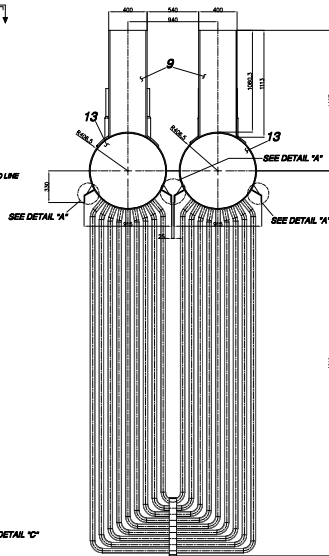
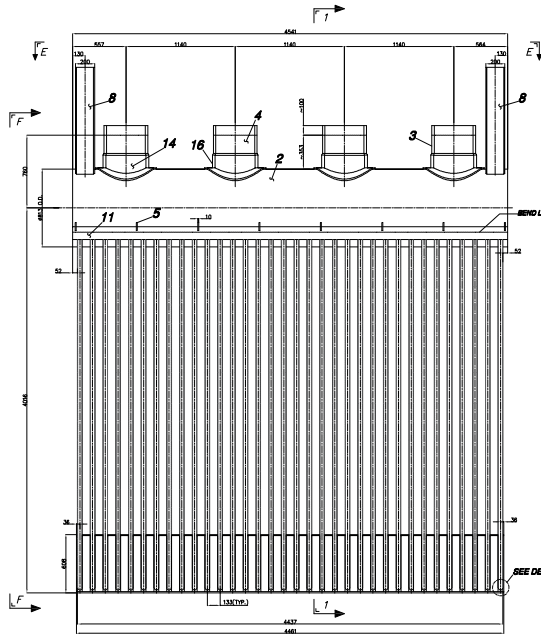
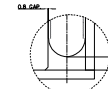
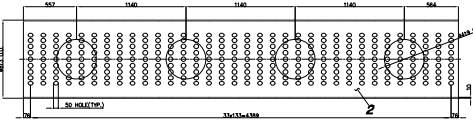


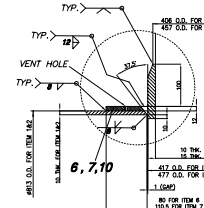
DETAIL "A"
SCALE 1:4



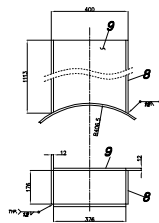
DETAIL "C"
SCALE 1:4



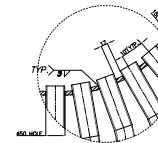
DETAIL ITEM 1&2



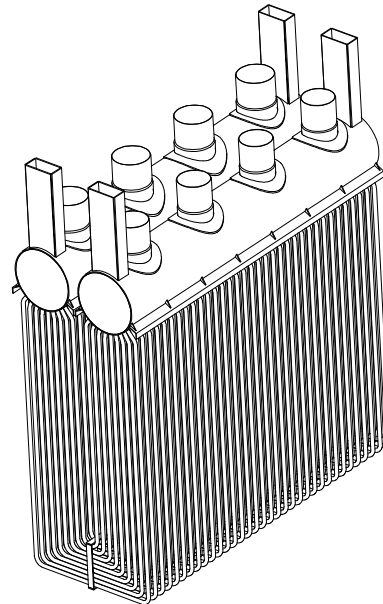
SECTION "E-E"
SCALE 1:4



DETAIL ITEM 8 & 9
SCALE 1:2



DETAIL "B"
SCALE 1:4

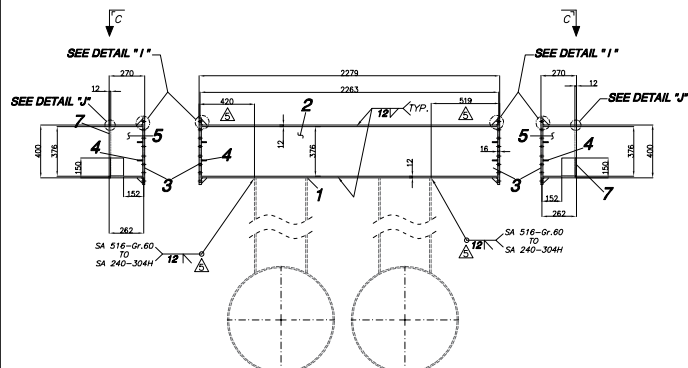


1. ALL DIMENSIONS ARE IN MILLIMETER
2. BILL OF MATERIAL : ROLLED STRUCTURAL SHAPE GIVEN IN METRIC. LENGTH OF ROLLED SHAPES AND ALL PLATE DIMENSIONS ARE GIVEN IN MILLIMETERS. ALL WEIGHTS ARE IN KILOGRAMS.
3. ROLLED PLATE ITEM 1&2 IS BILLED TO ITS FINAL SIZE REQUIREMENTS
4. LENGTH & WEIGHT FOR ITEM (3) IN B.O.M TABLE IS BEFORE CUTTING.
5. SHOP REQUIRED WELDED DUCT SEAMS , BOTH LONGITUDINAL AND TRANSVERSE SHALL NOT BE LOCATED IN THE VICINITY OF:
(a) INTERSECTING DUCTS OR THEIR REINFORCEMENT PLATES.
(b) DUCT SUPPORT LEGS
(c) LIFTING OR HANGER LUGS.
6. FOR SPECIFICATION NOTE SEE SHEET NO.2
7. THIS BOM DOES NOT INCLUDE MATERIALS FOR PIPE AND THEIR GUIDES. FOR THIS ITEM, PLEASE SEE SHEET NO.2
8. FOR SUPPORT ITEMS PLEASE SEE SHEET NO.3
9. FOR REFRACTORY ITEM PLEASE REFER SEE SHEET NO.4
10. FOR LEAKAGE TEST PLEASE REFER TO KGMMAH4876009.
11. NON-DESTRUCTIVE TESTING OF WELD SHALL BE PERFORMED BASED ON THE FOLLOWING MINIMUM REQUIREMENTS: THE CONTRACTOR SHALL PREPARE AND SUBMIT INSPECTION FOR NON-DESTRUCTIVE TESTING, FOLLOWING AWS D1.1 GUIDELINES FOR MINIMUM INFORMATION TO BE PERFORMED. THE OWNER/ENGINEER RESERVES THE RIGHT TO DEMAND RADIOGRAPHIC OR OTHER TESTS OF WELDS WHEREVER CONSIDERS NECESSARY AND THE FABRICATOR SHALL BE PREPARED TO CARRY OUT THE TESTS AS DIRECTED BY THE ENGINEER.
-100% VISUAL INSPECTION AND MEASUREMENT OF EXTERNAL DIMENSIONS BY APPROPRIATE GAUGES FOR ALL WELDS.
-100% ULTRASONIC INSPECTION FOR FULL PENETRATION GROOVE WELDED JOINTS.

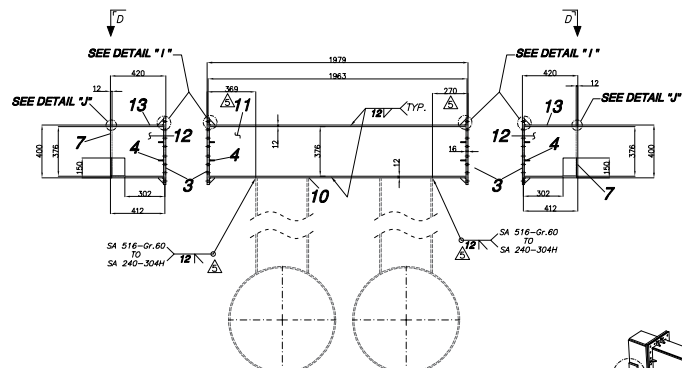
BILL OF MATERIAL					
NO. ITEM	QTY	DESCRIPTION	MATERIAL	WEIGHT (kg)	REMARKS
1	1	OUTLET DRUM #813 O.D. x 10 THK. x 4541 LG	SA 240-304H	797	ROLLED
2	1	INLET DRUM #813 O.D. x 10 THK. x 4541 LG	SA 240-304H	811	ROLLED
3	4	PIPE #457 O.D. x 4.78 THK. x 192 (+100) LG	SA 312W-304H	16	ANSI B36.19
4	4	PIPE #406.4 O.D. x 4.78 THK. x 192 (+100) LG	SA 312W-304H	14.2	ANSI B36.19
5	32	PL 10 x 48 x 83	SA 240-304H	0.15	4.8
6	2	PL 12 THK. x #494.5 I.D. x #639 O.D.	SA 240-304H	13.6	54.4
7	4	PL 12 THK. x #436.5 I.D. x #640 O.D.	SA 240-304H	17.3	69.2
8	8	PL 12 x 176 x 1113	SA 240-304H	19	152
9	8	PL 12 x 376 x 1007	SA 240-304H	37	298
10	2	PL 12 THK. x #494.5 I.D. x #730 O.D.	SA 240-304H	16	32
11	4	PL 8 x 188 x 4541	SA 240-304H	55	220
12			SA 240-304H	43	86
13	2	PL 25 THK. x #790 O.D.	SA 240-304H	99	198
14	4	ø 417 O.D. x 10 THK. x 243 LG	SA 240-304H	25	100
15	2	PL 25 x #790 O.D.	SA 240-304H	97	194
16	4	#477 O.D. x 15 THK. x 264 LG	SA 240-304H	46.5	186

UNLESS OTHERWISE SPECIFIED	
 SURFACE FINISH DIN 3141 RANGE 2	3RD ANGLE PROJECTION 
TOLERANCES & FITS: MACHINED SURFACES DIN 7168"MED" WELDED CONSTRUCTION ACC. TO "AWS"	BREAK ALL MACHINED SHARP EDGES BY 1x45" ALL DIM IN MILLIMETER

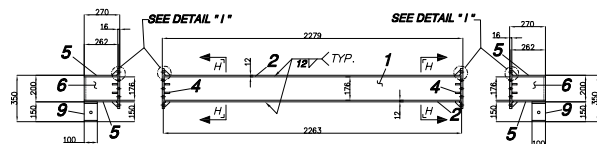
A5	1401.08.10	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A4	1401.07.12	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A3	1401.05.01	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A2	1401.02.31	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A1	1401.01.22	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
Rev.	DATE	REVISION DETAILS	DRAWN	CHK.	APP.
VENDOR:					
CLIENT:					
DRAWING TITLE:					
Cold Feed Bundle					
WEB SITE :	DWG No. :	GSD-14075-CFB-01-01	E-mail:		Sheet:
DWG No. :	S/N	Project	Dep.	Serial	Rev.
GSD-14075-CFB-01-01					A 5
Scale:					AS SHOWN



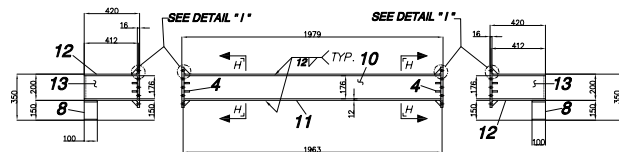
VIEW "A1"



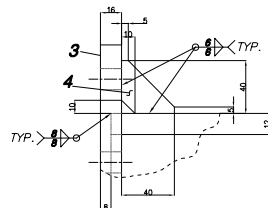
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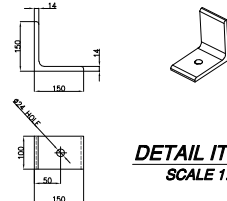
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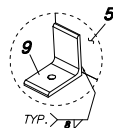
VIEW "D"



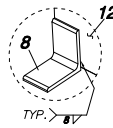
DETAIL "I"
SCALE 1:10



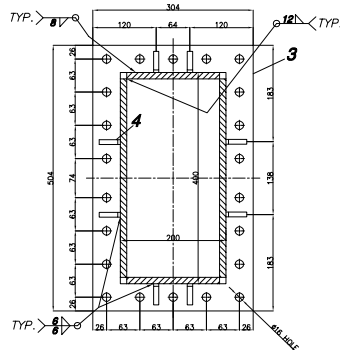
DETAIL ITEM 9
SCALE 1:2.5



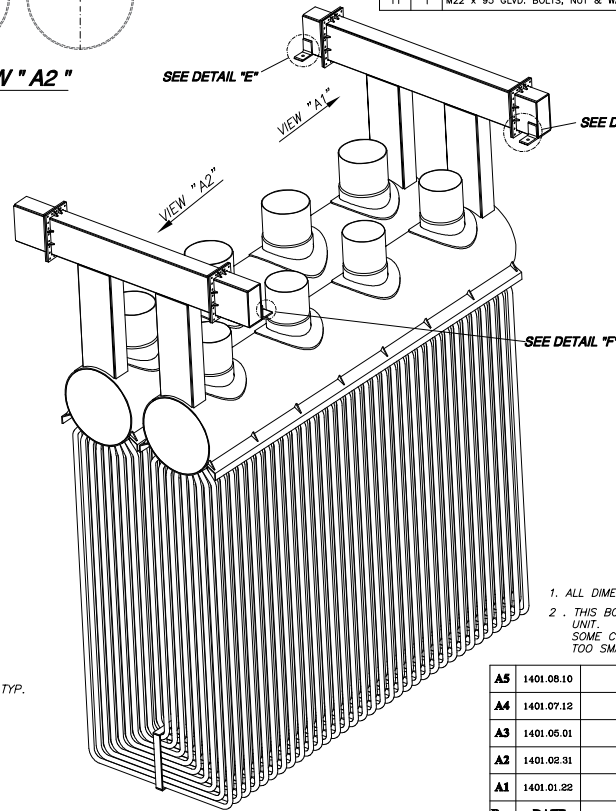
DETAIL "E"
SCALE 1:2.5



DETAIL "F"
SCALE 1:2.5



SECTION "H-H"
SCALE 1:4



1. ALL DIMENSIONS ARE IN MILLIMETER
2. THIS BOM INCLUDE ALL SUPPORTS, BOLTS, NUTS AND WASHERS FOR ONE UNIT.
SOME CLEARANCES BETWEEN BUNDLE SUPPORTS AND STRUCTURE WERE TOO SMALL THAT WOULD NOT ALLOW ENOUGH

Rev.	DATE	REVISION DETAILS	DRAWN	CHK.	APP.
A5	1401.08.10	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A4	1401.07.12	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A3	1401.05.01	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A2	1401.02.31	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A1	1401.01.22	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.

VENDOR:
-

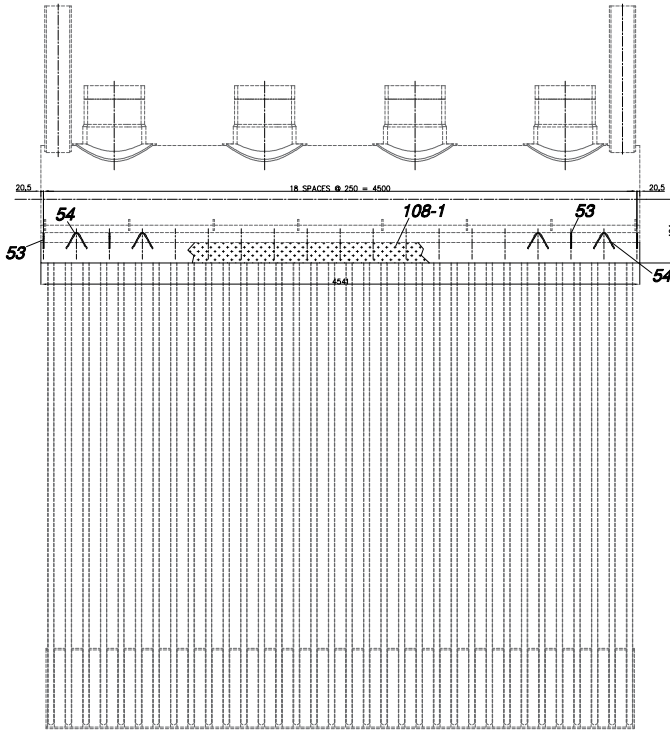
CLIENT:
Golgozar Iron & Steel Development Company

DRAWING TITLE:						
Cold Feed Bundle -Support						
WEB SITE :	DWG No. :	S/N	Project	Dep.	Serial	Size
GIRD-LMPS-CFB-01-01	GIRD-LMPS-CFB-01-01					
E-mail:						Sheet:
A 5						3 OF 4
Scale:						AS SHOWN

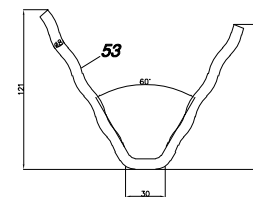
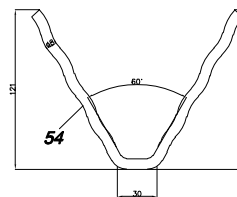
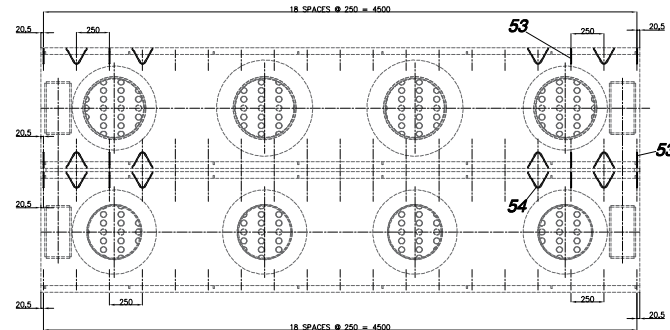
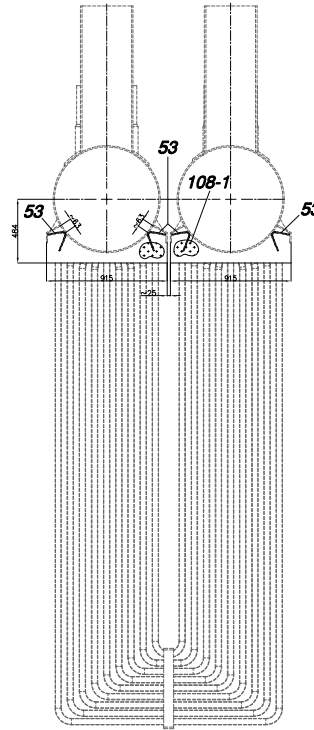


UNLESS OTHERWISE SPECIFIED

~ (V) SURFACE FINISH DIN 3141 RANGE 2 TOLERANCES & FITS: MACHINED SURFACES DIN 7168"MED" WELDED CONSTRUCTION ACC. TO "AWS"	3RD ANGLE PROJECTION BREAK ALL MACHINED SHARP EDGES BY 1x45° ALL DIM IN MILLIMETER
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COLD FEED BUNDLE



ANCHOR DETAILS
SCALE 1:10



LIGHT WEIGHT INSULATING CASTABLE (LOW IRON)

BILL OF MATERIAL

NO. ITEM	QTY	DESCRIPTION	MATERIAL	WEIGHT (kg)		REMARKS
				UNIT	TOTAL	
COLD FEED BUNDLE ANCHORS DETAILS						
53	40	ANCHOR Ø8 , L=277	310 S.S	0.11	4.4	
54	36	ANCHOR Ø8 , L=289	310 S.S	0.12	4.32	
COLD FEED BUNDLE CASTABLE						
108-1	1	LIGHT WEIGHT INSULATING CASTABLE (LOW IRON)		1.3 m³	1.3 m³	

- 1 . ALL DIMENSIONS ARE IN MILLIMETER.
- 2 . FOR MANUFACTURING USE DRAWING OF SHEET 1, 2 AND 4 ALL TOGETHER.

A5	1401.08.10	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A4	1401.07.12	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A3	1401.05.01	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A2	1401.02.31	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
A1	1401.01.22	ISSUED FOR APPROVAL	S.A.	A.R.	M.R.
Rev.	DATE	REVISION DETAILS	DRAWN	CHK.	APP.

VENDOR:



CLIENT:

Golgohar Iron & Steel Development Company



DRAWING TITLE:

Cold Feed Bundle

WEB SITE :		DWG No. : GSD-LMPS-CFB-01-01				E-mail:		Sheet:	
DWG No. :		S/N	Project	Dep.	Serial	Size	Rev.	4 OF 4	
GSD-LMPS-CFB-01-01							A 5	Scale: AS SHOWN	

UNLESS OTHERWISE SPECIFIED

SURFACE FINISH DIN 3141 RANGE 2	3RD ANGLE PROJECTION
TOLERANCES & FITS: MACHINED SURFACES DIN 7168 "MED" WELDED CONSTRUCTION ACC. TO "AWS"	BREAK ALL MACHINED SHARP EDGES BY 1x45° ALL DIM IN MILLIMETER