



ONE-FRAME MARKED AS FR9

MATERIAL LIST FOR ONE ASSEMBLY MK'D FR9- 1 NOS.Required					
MARK	DESCRIPTION	GRADE	LENGTH	QTY.	UNIT WT(KG)
L1	L75*75*8	IS2062	120	4	1.07
M48	ISMC150	IS2062	2300	2	37.70
M51	ISMC200	IS2062	4825	1	106.85
M52	ISMC200	IS2062	4824	1	106.82
P3	L120*100*12	IS2062	78	2	3.057
P5	L160*75*10	IS2062	75	2	2.649
P7	PLT12*70	IS2062	150	2	0.99
P8	PLT12*78	IS2062	150	2	1.10
P9	L75*75*8	IS2062	120	1	1.07
P20	PL10*171	IS2062	175	3	2.35
P126	L75*75*8	IS2062	120	1	1.07

TOTAL FOR ONE ASSEMBLY IN Kg

= 312.425

TOTAL FOR 1 ASSEMBLIES IN Kg

= 312.425

BOLT LIST FOR ONE ASSEMBLY			
Type	Size	Length (mm)	Qty
Gr.8.8	M16	50	4
Gr.8.8	M20	50	4
Gr.8.8	M20	60	6

NOTES :

- ALL DIMENSIONS ARE IN MILLIMETERS, ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.
- ALL STRUCTURAL STEEL SHALL CONFIRM TO IS : 2062 (GRADE 250BR)
- ALL CONCRETE GRADE SHALL BE M30.
- FILLET WELD SHALL BE OF MINIMUM 6MM SIZE FOR SHOP WELD AND 8MM FOR SITE WELD UNLESS NOTED OTHERWISE.
- COLUMNS SHALL HAVE FULL BEARING ON BASE PLATES U.N.O.
- WORKING POINTS SHALL BE W.R.T. CG LINES FOR WELDED CONSTRUCTION AND W.R.T. GAUGE LINES FOR BOLTED CONSTRUCTION.
- GRATING THICKNESS TO BE 25 MM

0	04.02.2025	ISSUED FOR CONSTRUCTION	SKJ	ABH	CS
REV	DATE	DESCRIPTION	DRAWN. BY	CHK. BY	APP. BY

CLIENT:
AARTI INDUSTRIES LIMITED.
(EMERALD OFFICE) - Block No. 1, 3rd Floor, Keval Corporate Park, Opp. to Channi GEB Sub-station, Chhani, Vadodara - 390002, Gujarat, India
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CONSULTANT:
TECHIN PROCESS TECHNOLOGIES PVT. LTD.
Unit No. 402-B, Universal Business Park, Chembur, Mumbai-400072.

PROJECT NO : PJ-3014
PROJECT NAME : PIN-084 PROCESS PAD AREA PIPERACK SUPERSTRUCTURE
DRAWING TITLE : FABRICATION DRAWING OF PIPERACK SHED & STAIRCASE OF PROCESS PAD AREA
AIL PROJECT NO : PIN-084
SIZE : DWG NO. : SHEET REV NO.
A1 PIN-084-TPT-PM4-CS11-002-FAB-FR9 1 OF 1 0