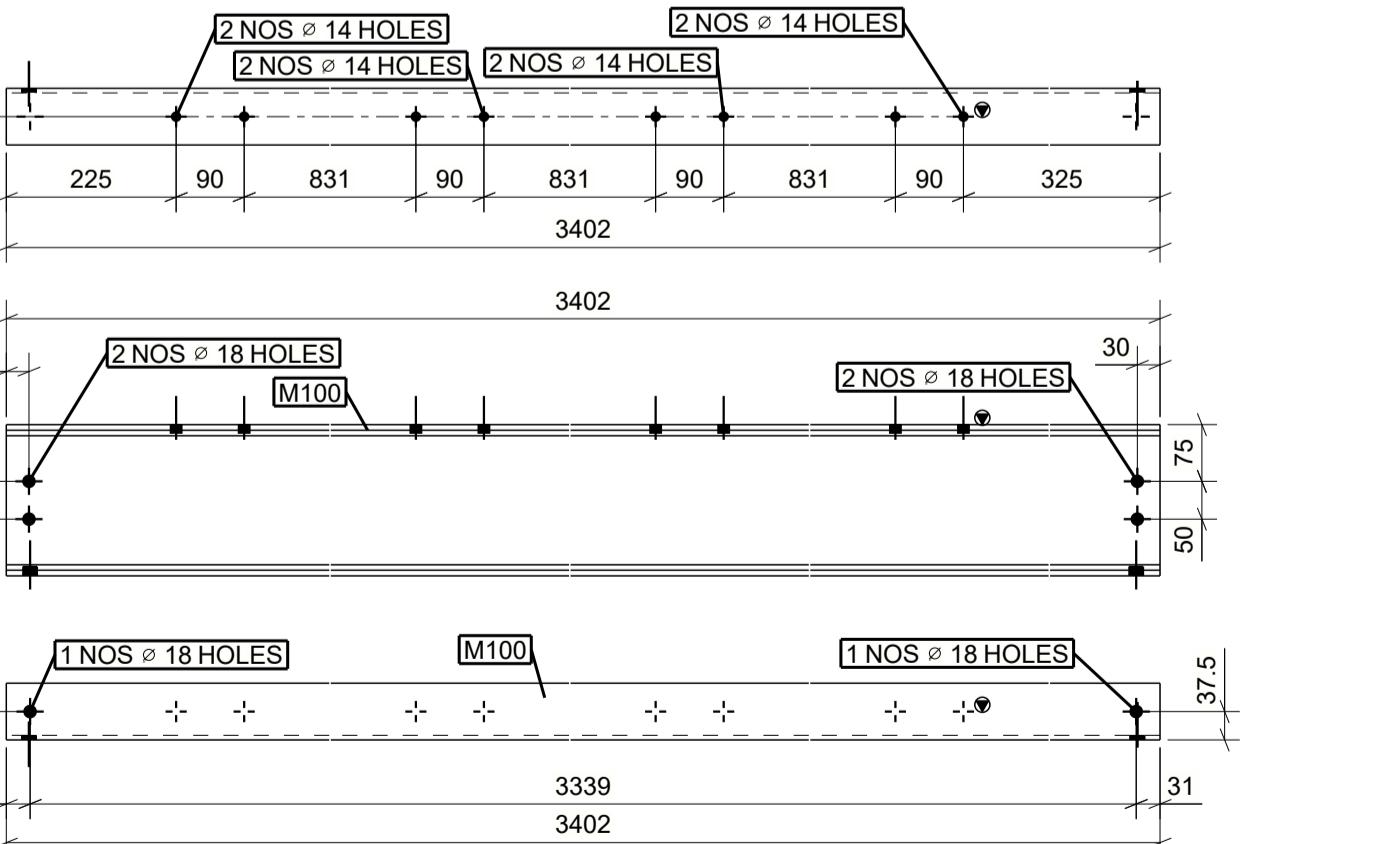
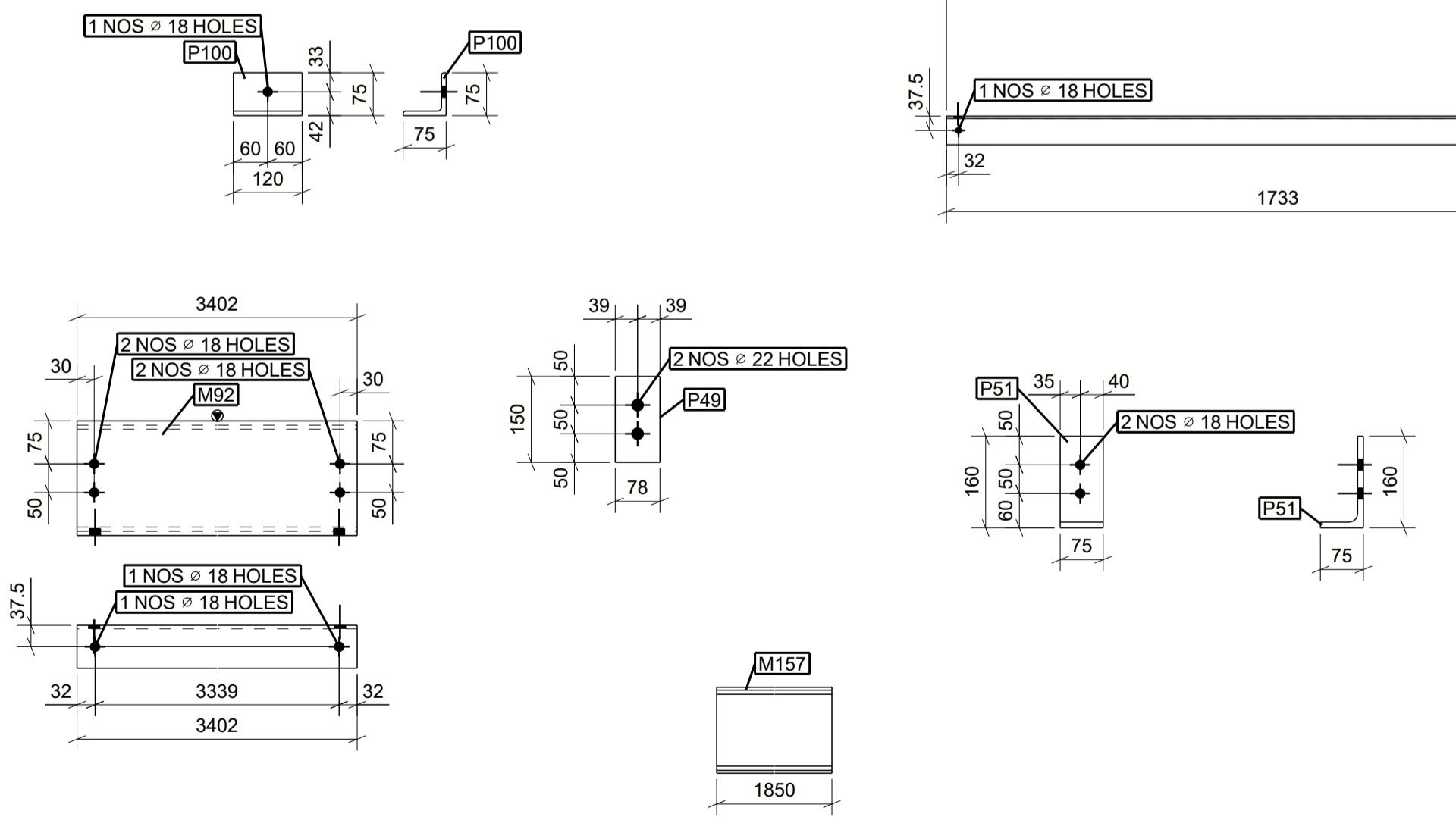
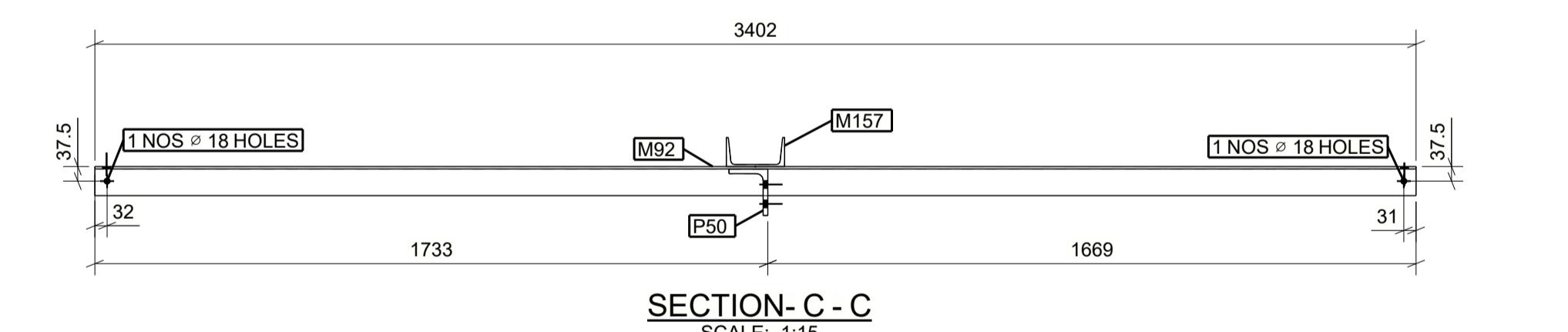
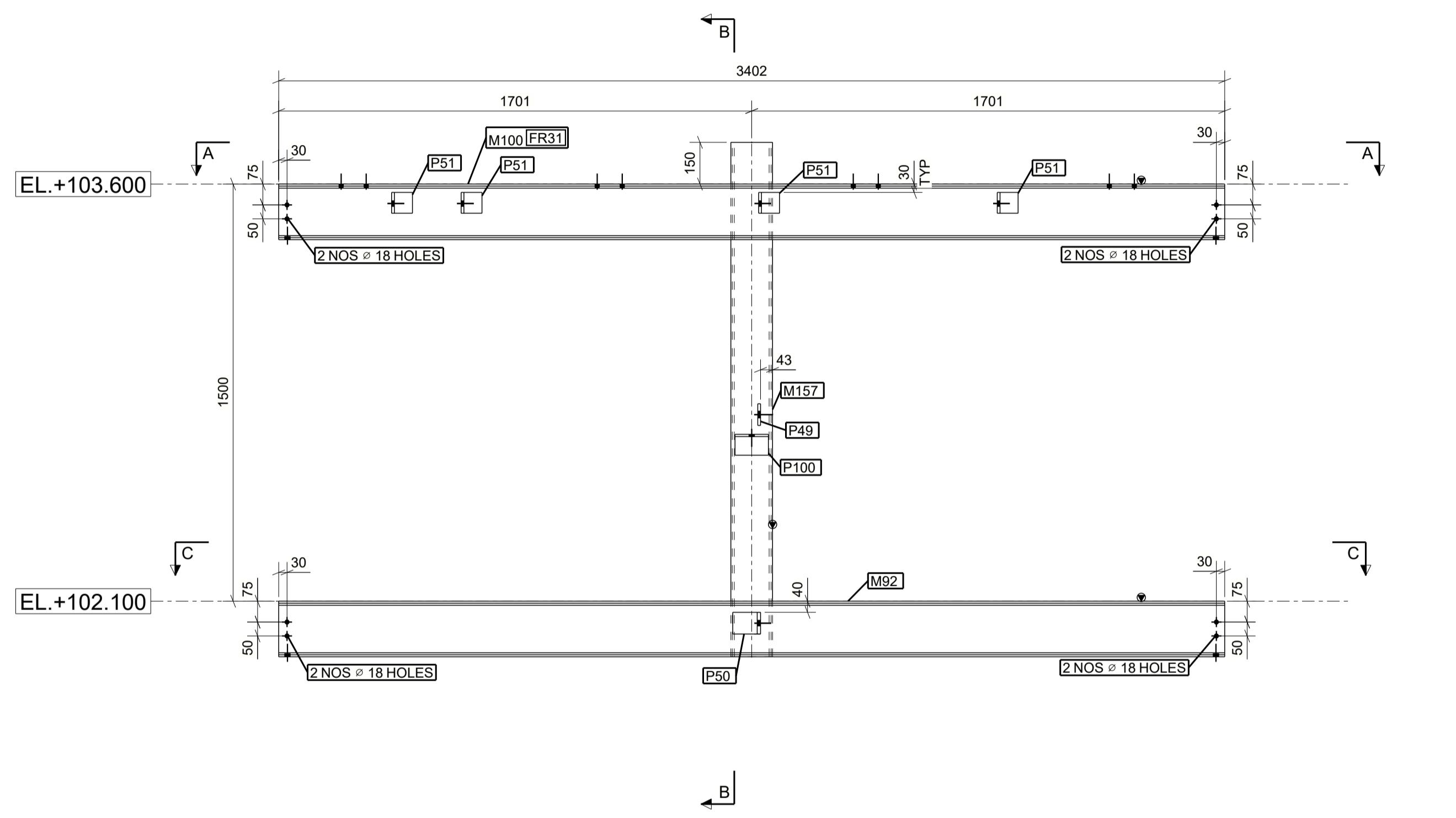
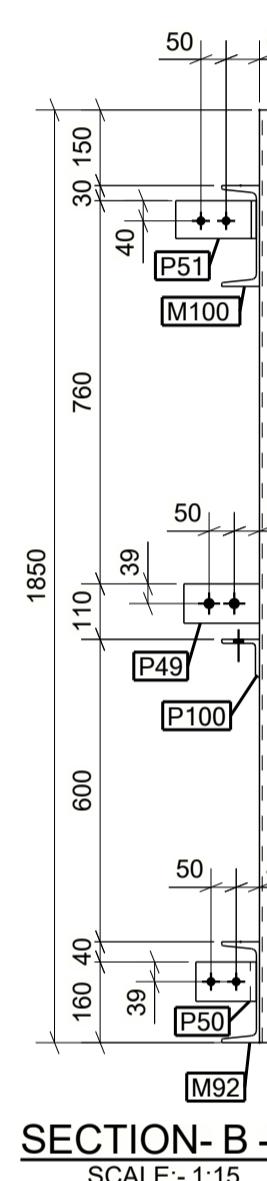
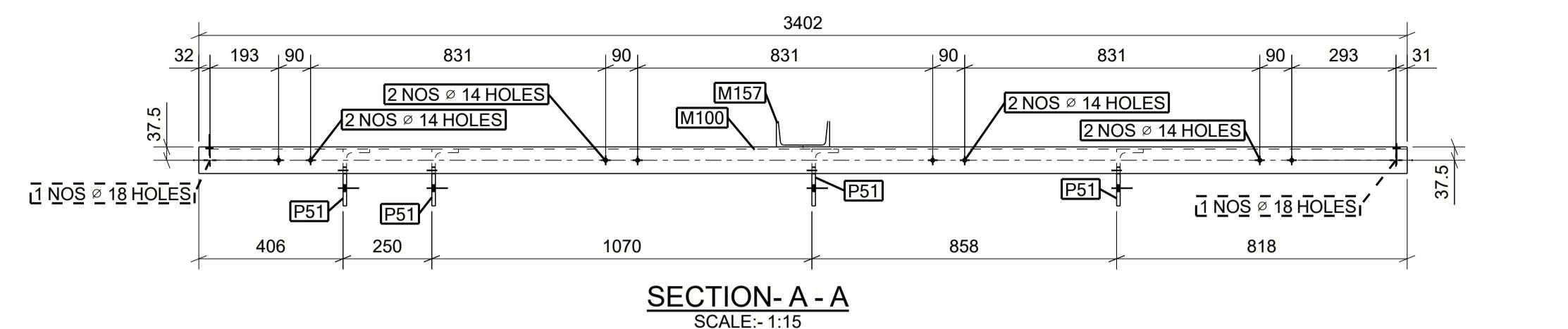


MATERIAL LIST FOR ONE ASSEMBLY MK'D FR31- 1 NOS.Required					
MARK	DESCRIPTION	GRADE	LENGTH	QTY.	UNIT WT(KG)
M92	ISMC200	IS2062	3402	1	75.34
M100	ISMC200	IS2062	3402	1	75.34
M157	ISMC150	IS2062	1850	1	30.32
P49	PL10*78	IS2062	150	1	0.92
P50	L120X100X12	IS2062	78	1	1.53
P51	L160X75X10	IS2062	75	4	1.32
P100	ISA75X75X8	IS2062	120	1	1.07
TOTAL FOR ONE ASSEMBLY IN Kg					= 189.820
TOTAL FOR 1 ASSEMBLIES IN Kg					= 189.820

BOLT LIST FOR ONE ASSEMBLY					
Type	Size	Length (mm)	Qty	Gr.8.8	M16
		50	8	Gr.8.8	M16
		55	1	Gr.8.8	M16



ONE-FRAME MARKED AS FR31

NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETERS, ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2. ALL STRUCTURAL STEEL SHALL CONFIRM TO IS : 2062 (GRADE 250BR).
3. ALL CONCRETE GRADE SHALL BE M30.
4. FILLET WELD SHALL BE OF MINIMUM 6MM SIZE FOR SHOP WELD AND 8MM FOR SITE WELD UNLESS NOTED OTHERWISE.
5. COLUMNS SHALL HAVE FULL BEARING ON BASE PLATES U.N.O.
6. WORKING POINTS SHALL BE W.R.T. CG LINES FOR WELDED CONSTRUCTION AND W.R.T. GAUGE LINES FOR BOLTED CONSTRUCTION.
7. 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  
Tel : (0260) 2400366, 2400153, 2400059,  
Website : [www.aarti-industries.com](http://www.aarti-industries.com)

CONSULTANT:  
TECHIN PROCESS TECHNOLOGIES PVT. LTD.  
Unit No. 402-B, Universal Business Park, Chandivali Farm Road, Chandivali, Andheri-E, 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-FR31 1 OF 1 0