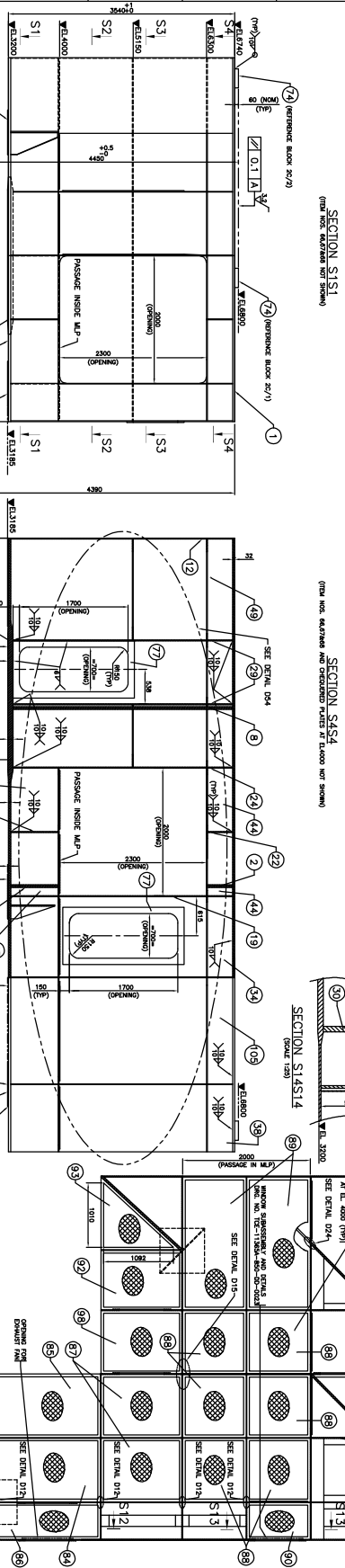
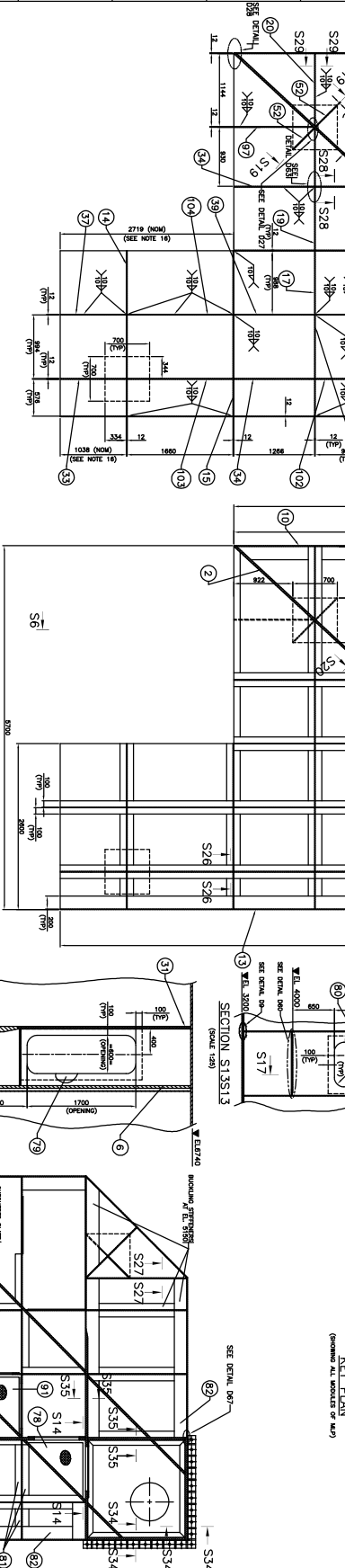
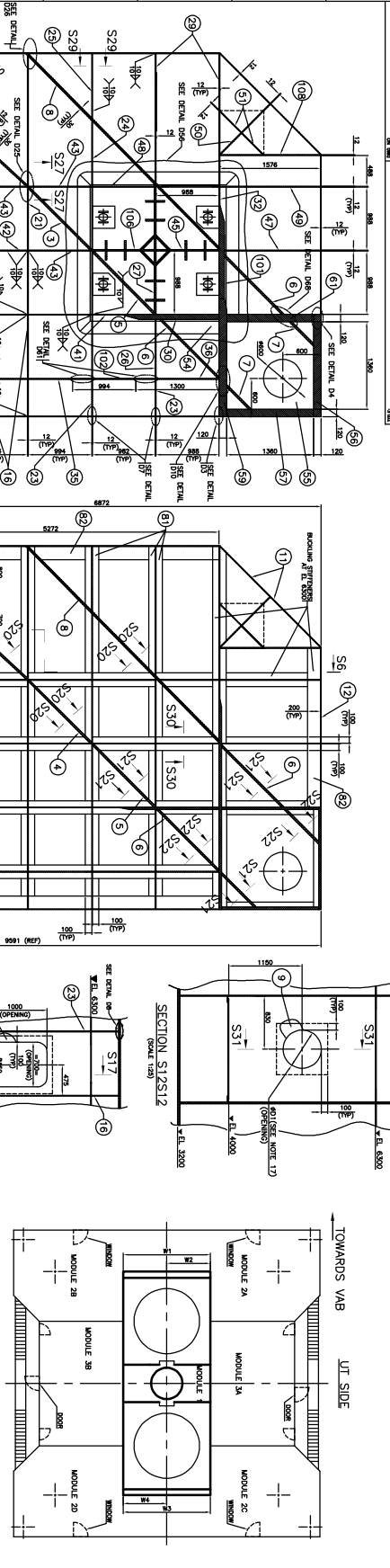


REVISIONS	NO.	DATE	BY	CHKD.	DESCRIPTION
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SCALE	1:100
DATE	10/10/2017
PROJECT	INDIAN SPACE RESEARCH ORGANISATION SATISH DHANAN SPACE CENTRE, SHRI
CLIENT	INDIAN SPACE RESEARCH ORGANISATION
DESIGNER	YAVA CONSULTING ENGINEERS LIMITED
LOCATION	MAHARAJA
PROJECT	AUGMENTATION OF SECOND LUNCH PAD

DO NOT SCALE
 INDIAN SPACE RESEARCH ORGANISATION
 SATISH DHANAN SPACE CENTRE, SHRI
 YAVA CONSULTING ENGINEERS LIMITED
 MAHARAJA
 AUGMENTATION OF SECOND LUNCH PAD

1. THE DRAWING IS THE PROPERTY OF THE CLIENT AND SHALL BE KEPT IN CONFIDENCE.
2. THE CLIENT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DATA AND INFORMATION PROVIDED.
3. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WORK.
4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SAFETY OF THE WORKERS.
5. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DAMAGE TO THE WORK.
6. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DELAY OF THE WORK.
7. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE COST OF THE WORK.
8. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE TIME OF THE WORK.
9. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE QUALITY OF THE WORK.
10. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE QUANTITY OF THE WORK.
11. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE LOCATION OF THE WORK.
12. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ORIENTATION OF THE WORK.
13. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DIMENSIONS OF THE WORK.
14. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MATERIALS OF THE WORK.
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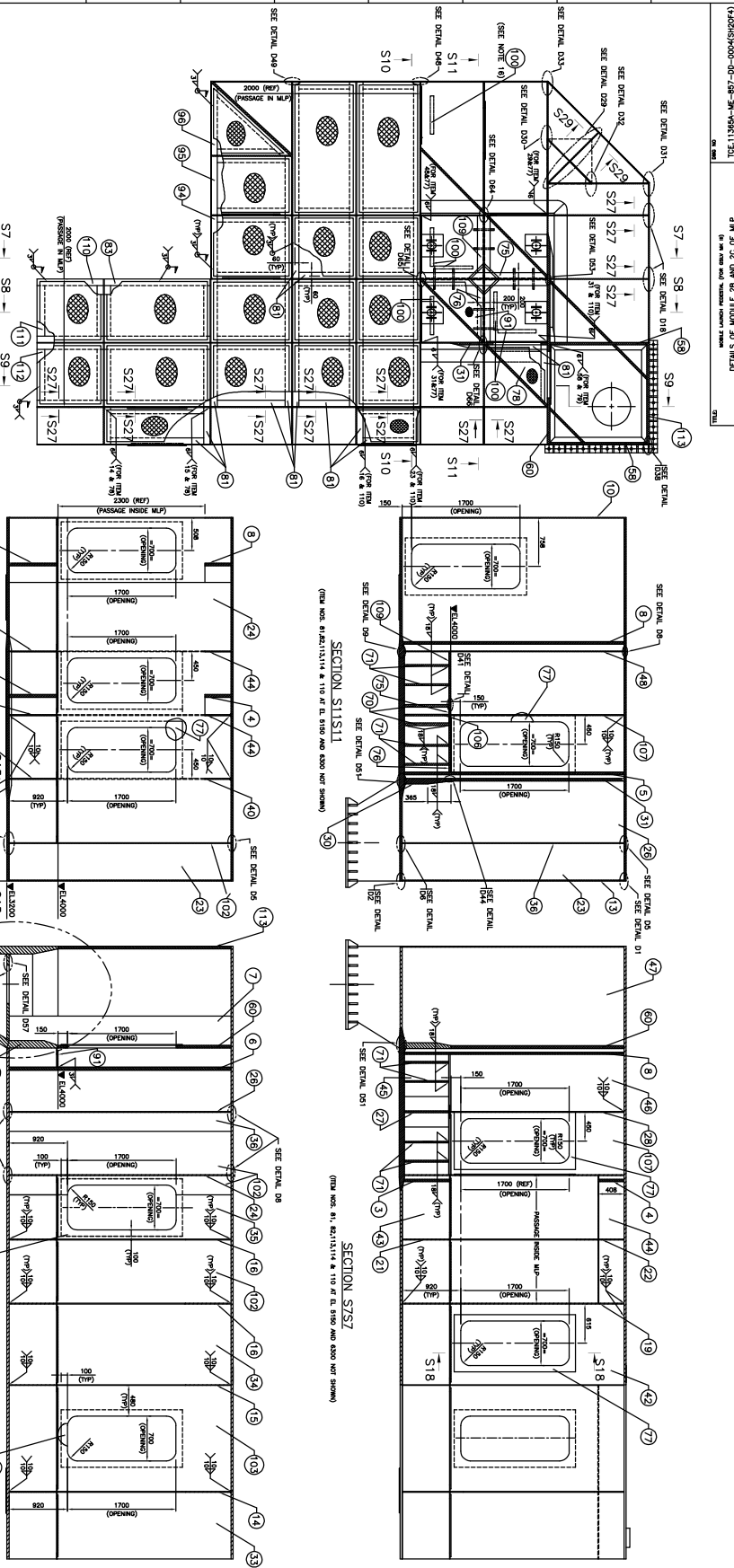


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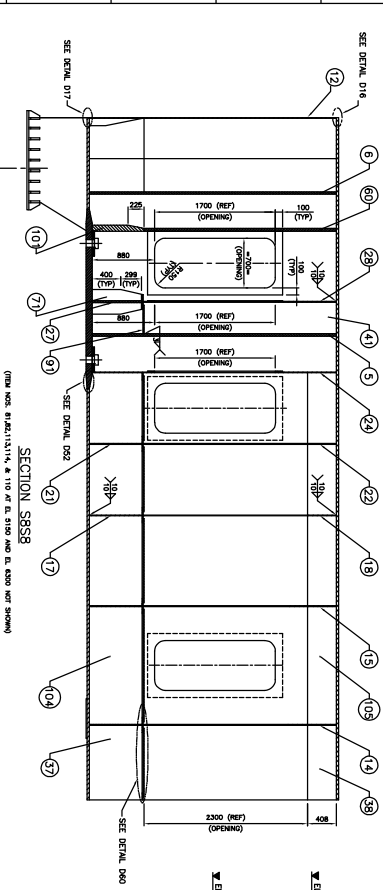
DO NOT SCALE

INDIAN SPACE RESEARCH ORGANISATION
 SHANTI DHANAN SPACE CENTRE, SHRI
 TARA
 AUGMENTATION OF SECOND LUNCH PAD
 MALABU

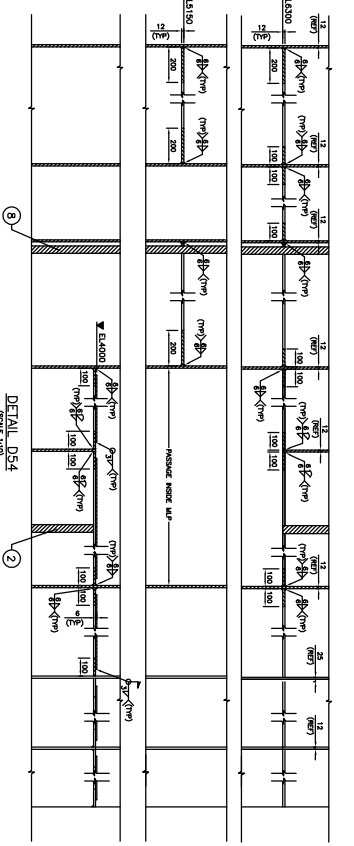
DATE: 12/01/2023
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ALL CHEQUERED PLATES ARE TO BE SCREWED ONLY AND NOT TO BE WELDED



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SCALE: 1:100



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DO NOT SCALE

INDIAN SPACE RESEARCH ORGANISATION
SATELITE DYNAMICS SPACE CENTRE, SHRI
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

PROJECT: AUGMENTATION OF SECOND LAUNCH PAD

TITLE: DETAILS OF MODULE 2B AND 2C OF MLP

DATE: 01/11/2008

SCALE: 1:100

NO. OF SHEETS: 12

SHEET NO: 12

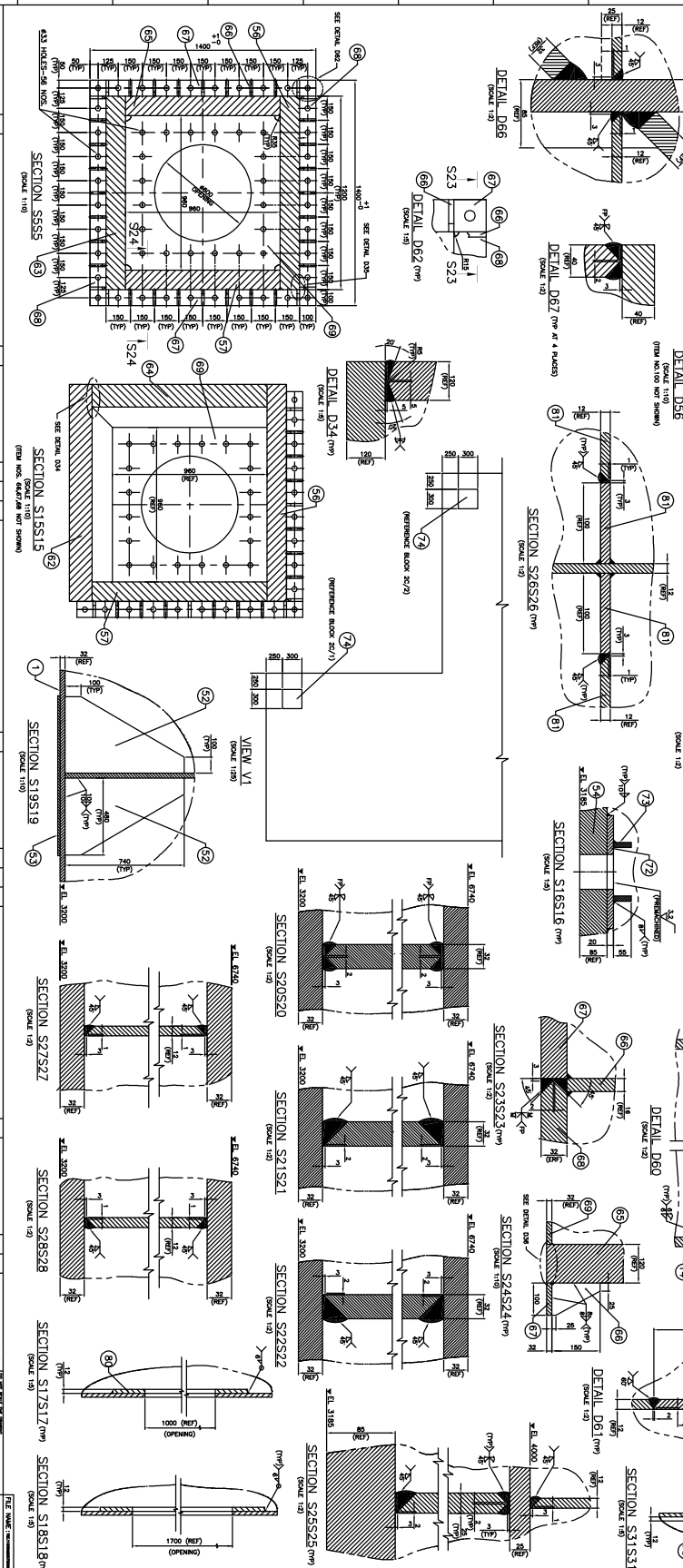
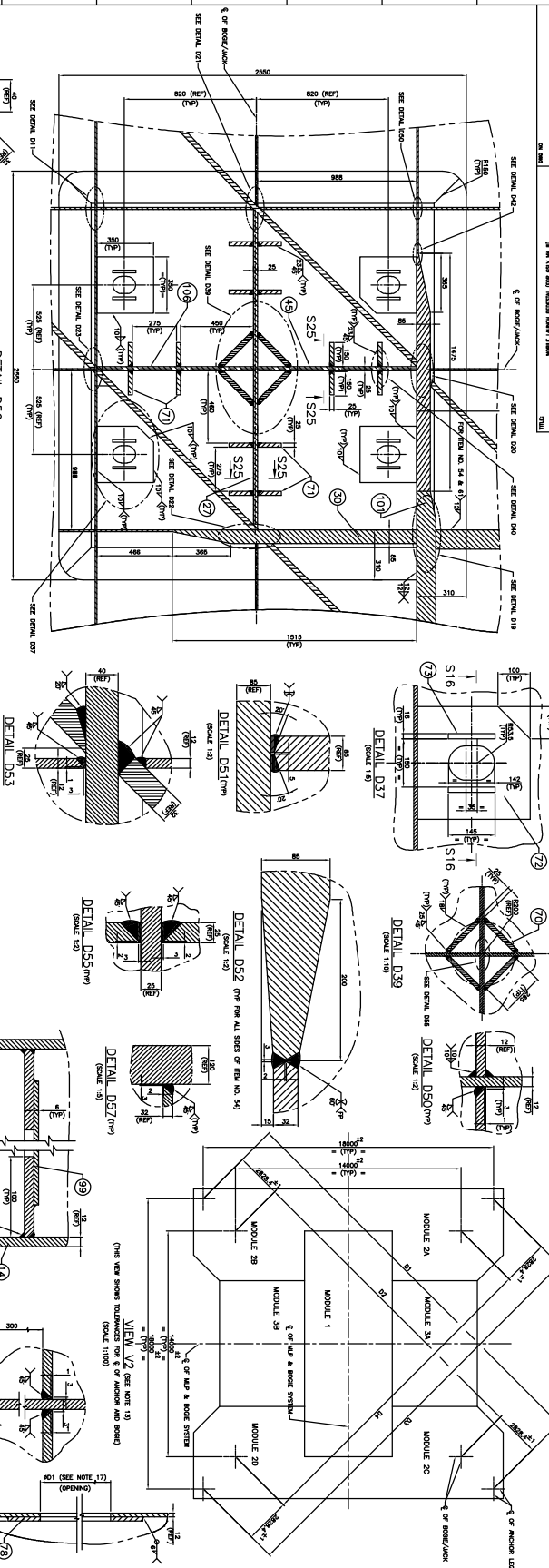
PROJECT NO: ISRO/SCRC/MLP/08-09-000-487-488

DESIGNER: [Signature]

CHECKER: [Signature]

DATE: 01/11/2008

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REVISIONS	NO.	DATE	BY	CHKD	REASON
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	16	01/01/2017
	17	01/01/2017

NOTES:-

1. QUANTITY REQUIRED: 1:2 (FOR ONE M/J-P)
2. MODULE 2B AND 2C ARE IDENTICAL AND SHALL BE SHOWN IN THESE DIMENSIONS.
3. DIMENSIONS IN PARENTHESES ARE FOR REFERENCE ONLY AND SHALL NOT BE USED FOR FABRICATION.
4. STRESS RELIEFING IS TO BE CARRIED OUT AFTER COMPLETION OF ALL WELDING AND BEFORE WORKING.
5. ALL WELDING SHALL BE CARRIED OUT AS PER IS 8170.
6. UNLESS OTHERWISE SPECIFIED, ALL WELDING SHALL BE CARRIED OUT AS PER IS 8170.
7. UNLESS OTHERWISE SPECIFIED, ALL WELDING SHALL BE CARRIED OUT AS PER IS 8170.
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22. UNLESS OTHERWISE SPECIFIED, ALL WELDING SHALL BE CARRIED OUT AS PER IS 8170.

DO NOT SCALE

INDIAN SPACE RESEARCH ORGANISATION
SATISH DHAWAN SPACE CENTRE, SHRIHARIKOTTA

TAVA CONSULTING ENGINEERS LIMITED
MUMBAI

AUGMENTATION OF (ASIP)

PROJECT: AUGMENTATION OF SECOND LUNCH PAD

TITLE: DETAILS OF MODULE 2B AND 2C OF M/J-P

SCALE: 1:10

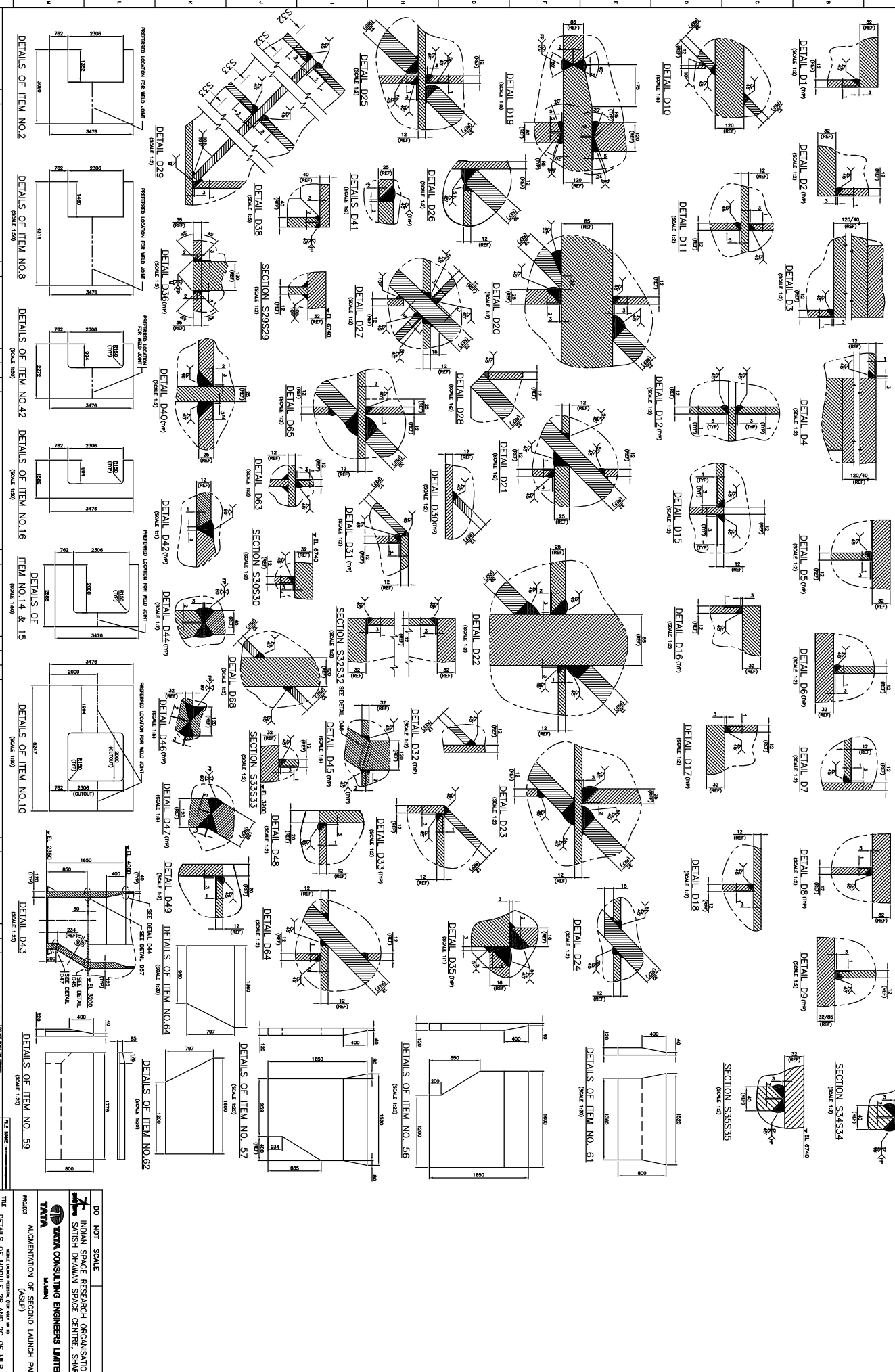
DATE: 01/01/2017

BY: ...

CHKD: ...

NO. OF SHEETS: 17

SHEET NO. 17



NO.	REVISIONS	DATE	BY	CHKD.	APPD.	DATE
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DO NOT SCALE

INDIAN SPACE RESEARCH ORGANISATION
 SHRIHATI BHAWAN SPACE CENTRE, SHRIHATI
TATA
 TATA CONSULTING ENGINEERS LIMITED
 MUMBAI

PROJECT: AUGMENTATION OF SECOND LAUNCH PAD

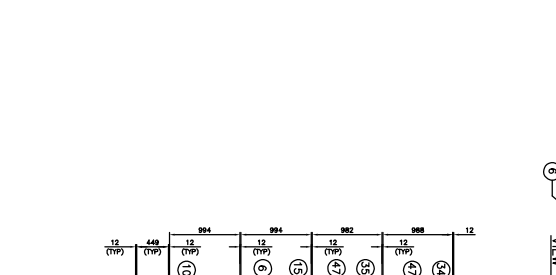
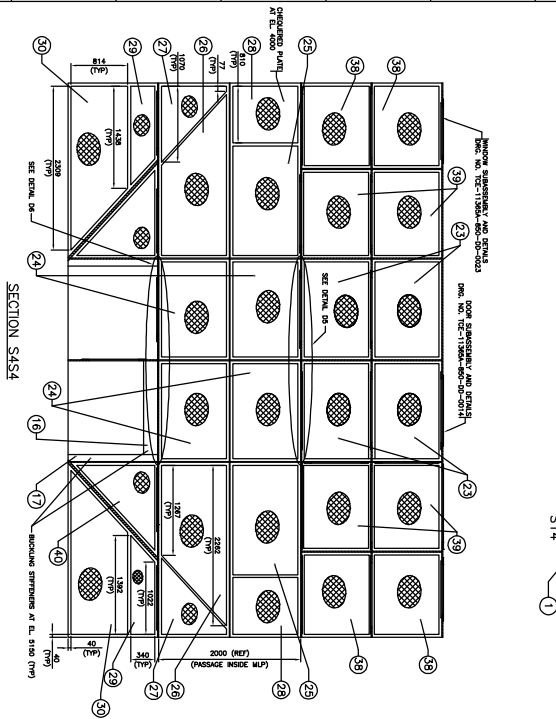
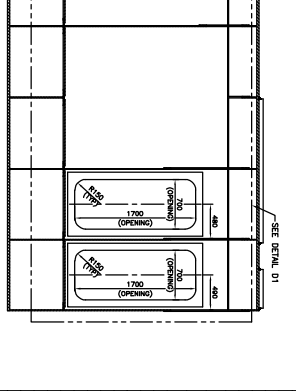
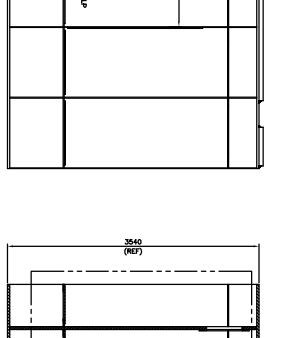
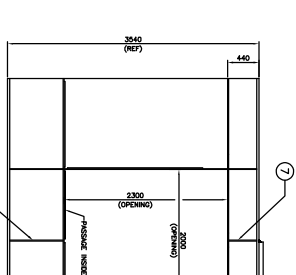
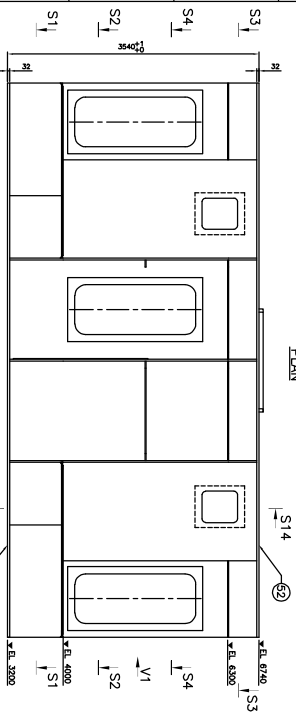
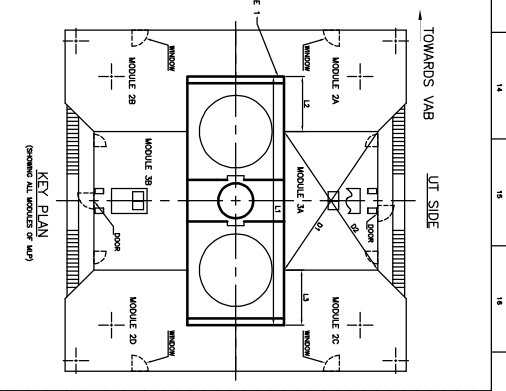
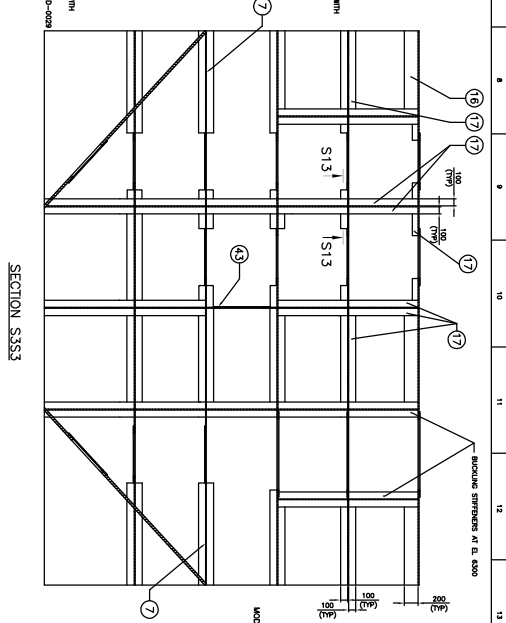
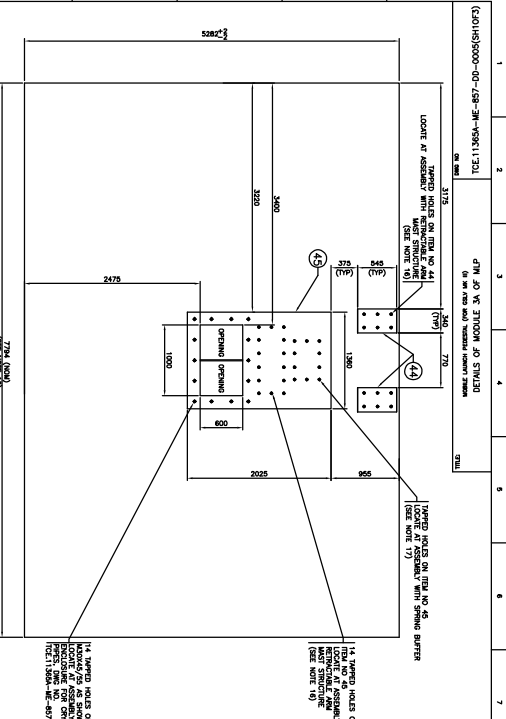
TITLE: DETAILS OF MODULE 28 AND 2C OF MLP

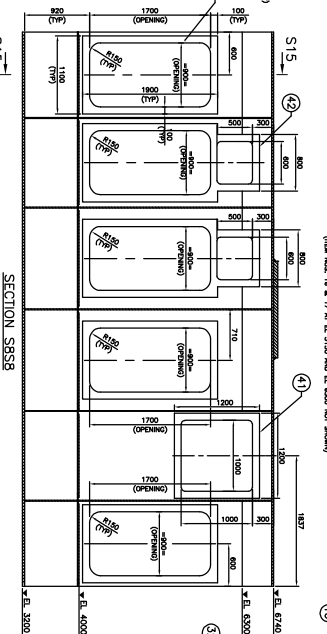
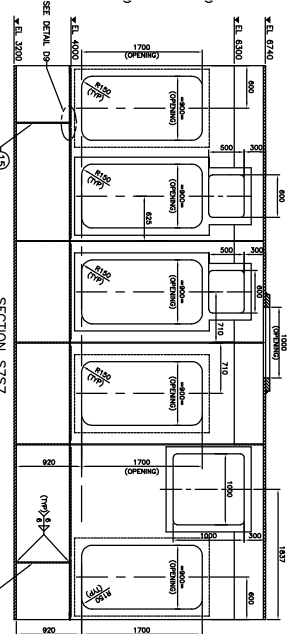
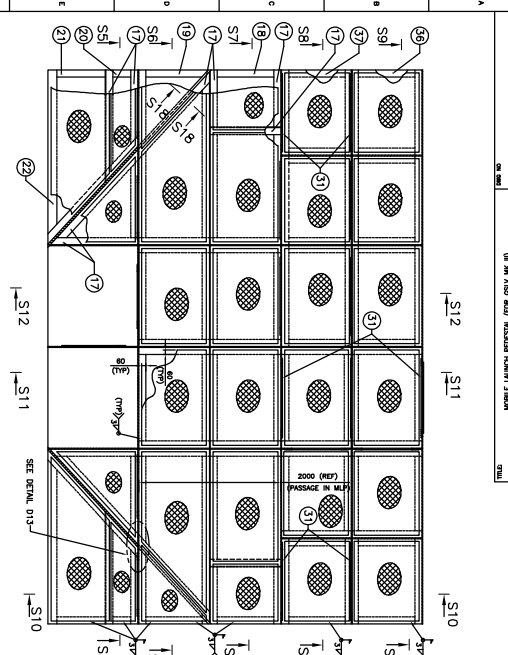
DATE: 15/08/2018

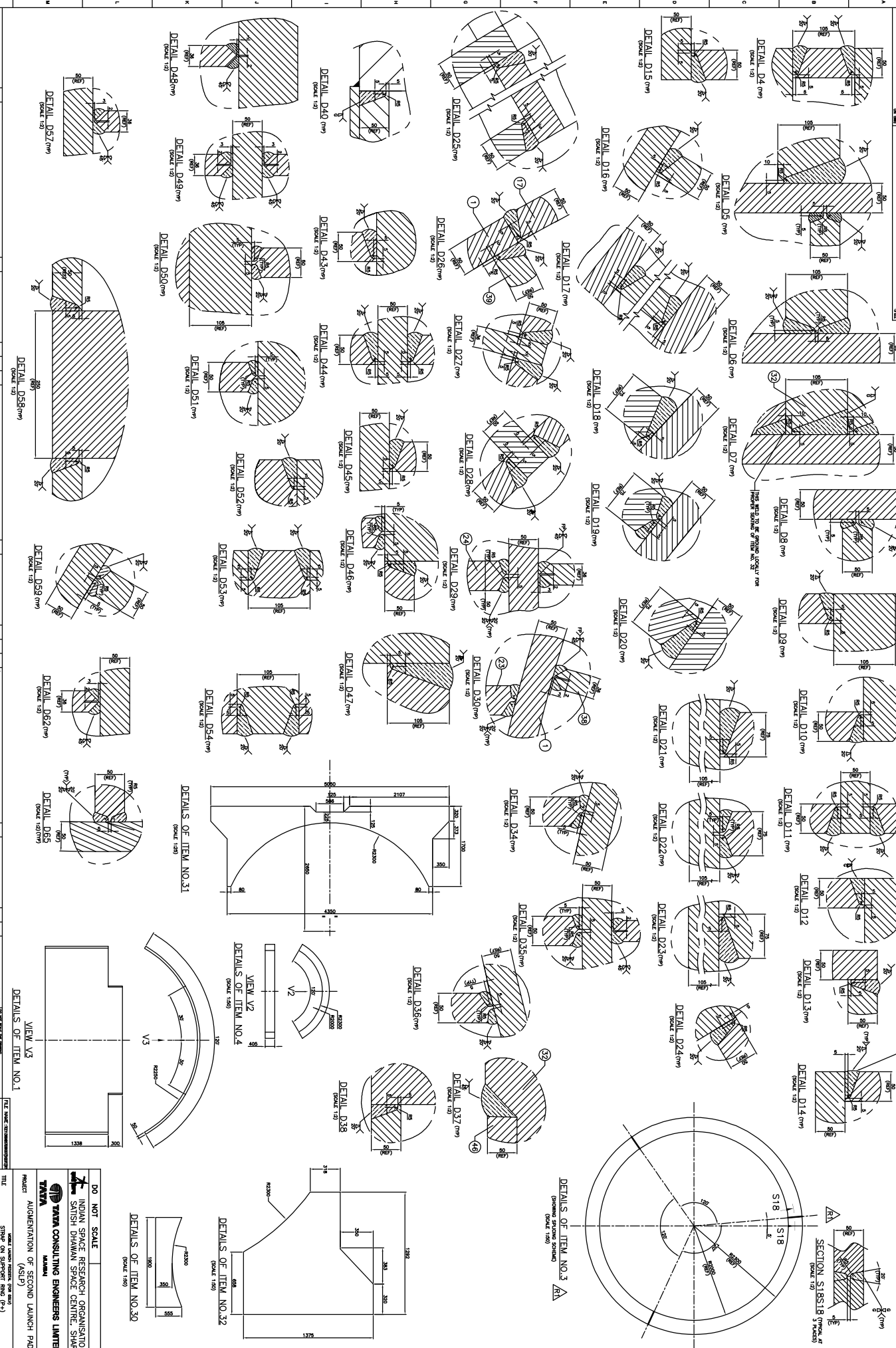
SCALE: 1:20

NO. OF SHEETS: 19

SHEET NO: 15

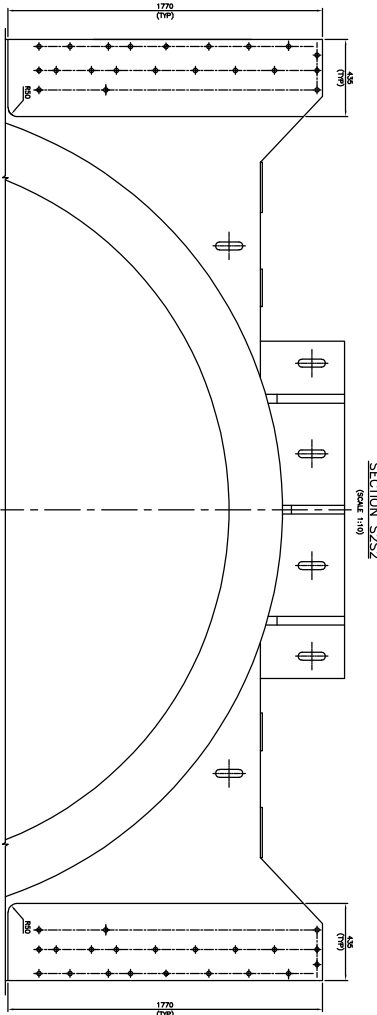
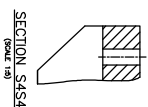
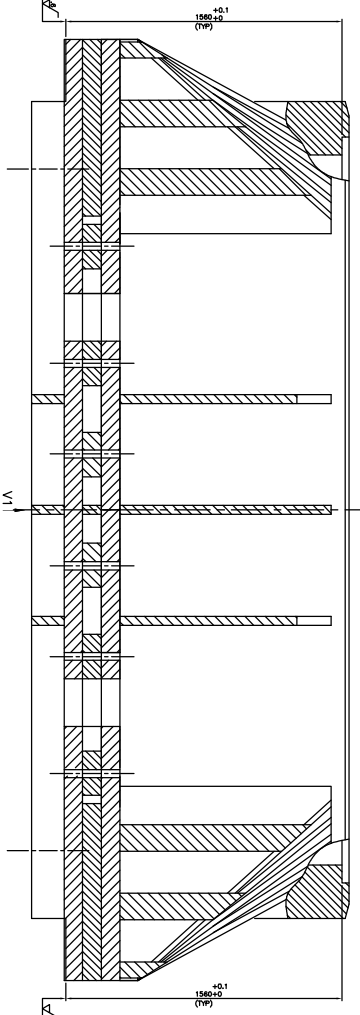
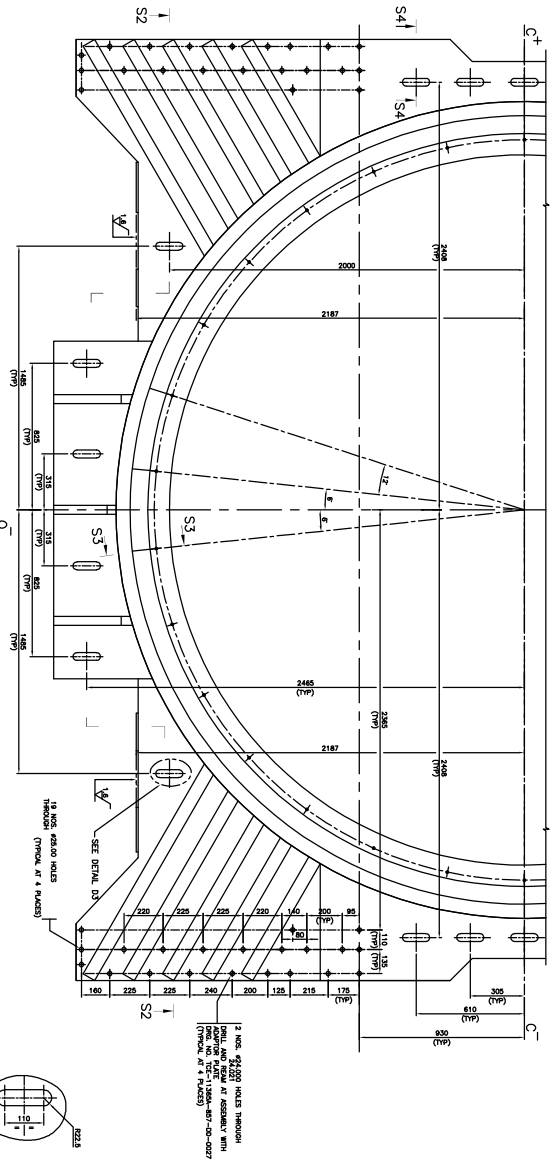
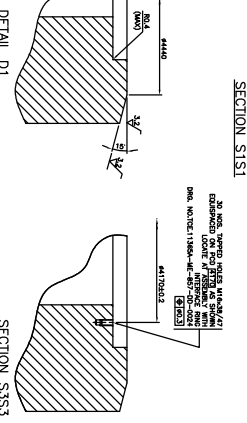
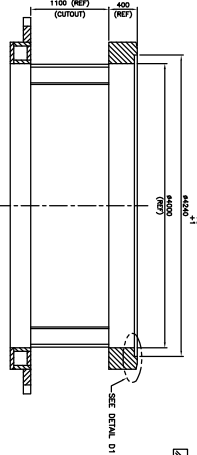
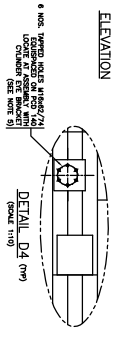
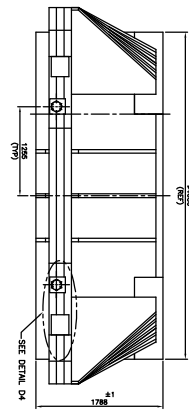
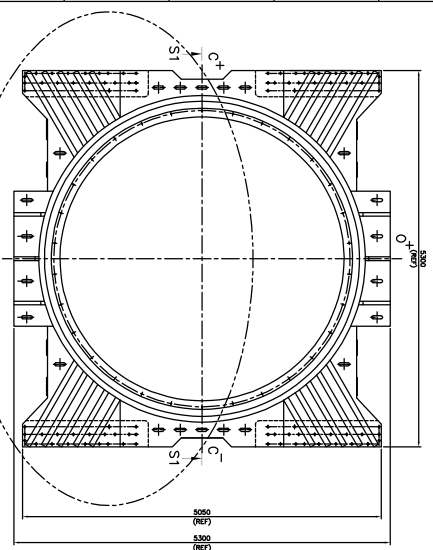






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2	2018-08-01			ISSUED FOR PERMIT
3	2018-08-01			ISSUED FOR PERMIT
4	2018-08-01			ISSUED FOR PERMIT
5	2018-08-01			ISSUED FOR PERMIT
6	2018-08-01			ISSUED FOR PERMIT
7	2018-08-01			ISSUED FOR PERMIT
8	2018-08-01			ISSUED FOR PERMIT
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10	2018-08-01			ISSUED FOR PERMIT
11	2018-08-01			ISSUED FOR PERMIT
12	2018-08-01			ISSUED FOR PERMIT
13	2018-08-01			ISSUED FOR PERMIT
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15	2018-08-01			ISSUED FOR PERMIT
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17	2018-08-01			ISSUED FOR PERMIT
18	2018-08-01			ISSUED FOR PERMIT
19	2018-08-01			ISSUED FOR PERMIT
20	2018-08-01			ISSUED FOR PERMIT

NO. OF SHEETS	20
TOTAL NO. OF SHEETS	20
DATE OF ISSUE	2018-08-01
ISSUED BY	ARCHITECT
ISSUED FOR	PERMIT
PROJECT	INDIAN SPACE RESEARCH ORGANISATION SATISH DHANAN SPACE CENTRE, SHRI
CLIENT	INDIAN SPACE RESEARCH ORGANISATION
DESIGNER	TATA CONSULTING ENGINEERS LIMITED
SCALE	AS SHOWN
DATE	2018-08-01
BY	ARCHITECT
CHKD.	ARCHITECT
DATE	2018-08-01



- NOTES:-
1. DRAWING ISSUED: 1 (FOR USE ONLY)
 2. REVISIONS: NONE
 3. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 4. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 5. DRAWING: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 6. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 7. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 8. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 9. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 10. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 11. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 12. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 13. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 14. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 15. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
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 17. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 18. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 19. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION
 20. USER: JAWAHARLAL NEHRU SPACE RESEARCH ORGANISATION

NO.	REV.	DATE	BY	CHKD.	APPD.	DATE	DESCRIPTION
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DO NOT SCALE FOR REVIEW & COMMENTS

INDIAN SPACE RESEARCH ORGANISATION
 VISVESVARAYA SPACE CENTRE, THIRUVANANTHAPURAM

TATA CONSULTING ENGINEERS LIMITED
 MADRAS

PROJECT: PSLV INTEGRATION FACILITIES

TITLE: STRAP ON EQUIPMENT RING (P-3)

DATE: 12-11-2004

SCALE: 1:10

BY: [Signature]

CHKD: [Signature]

APPD: [Signature]

DATE: 12-11-2004

PROJECT NO: [Number]

DWG NO: [Number]

REV: [Number]

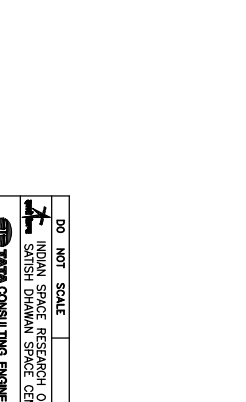
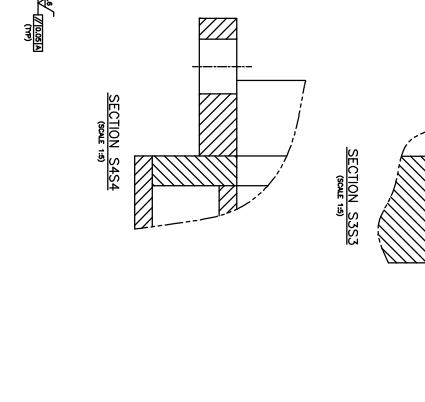
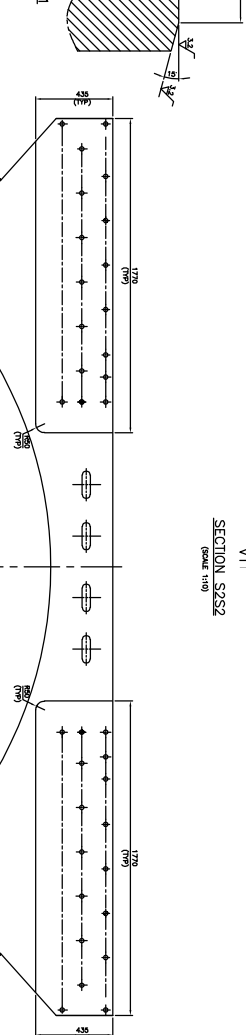
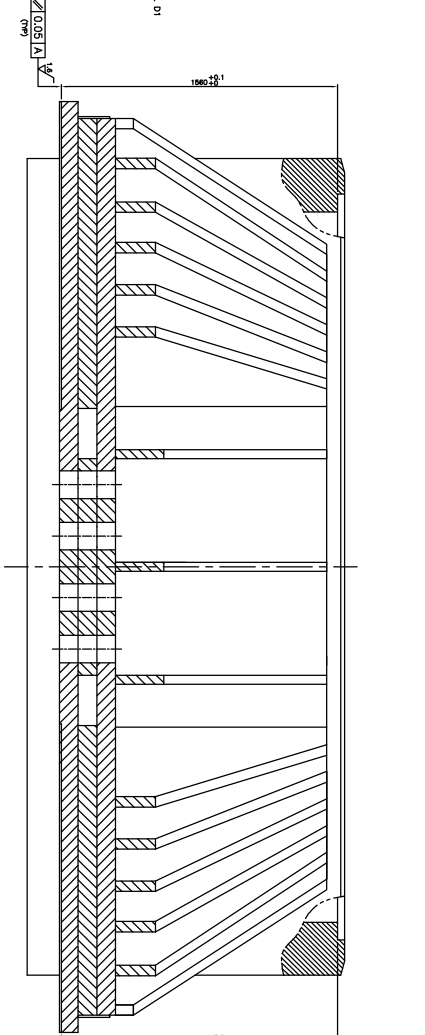
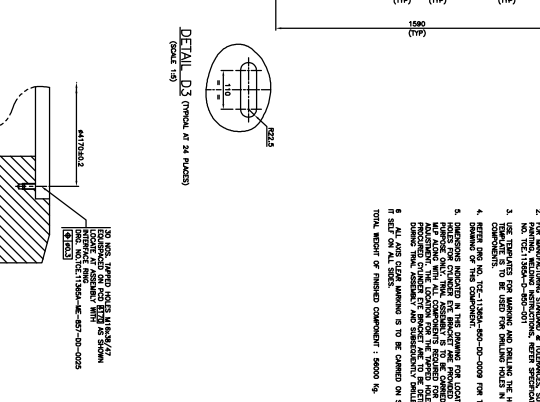
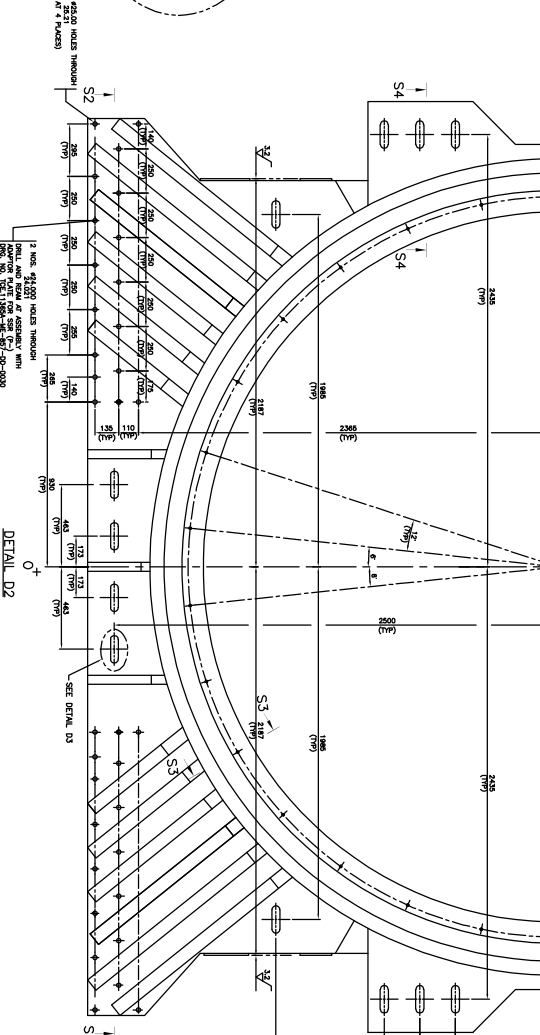
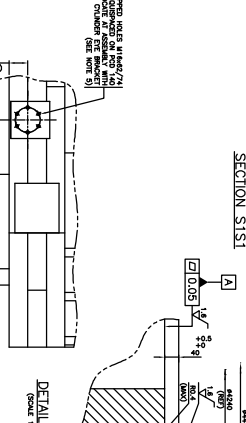
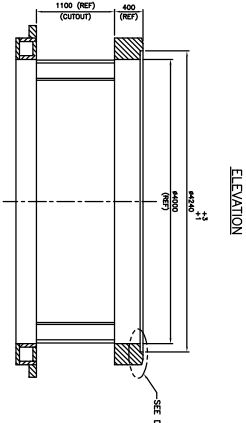
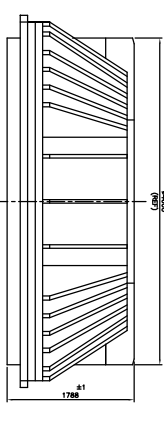
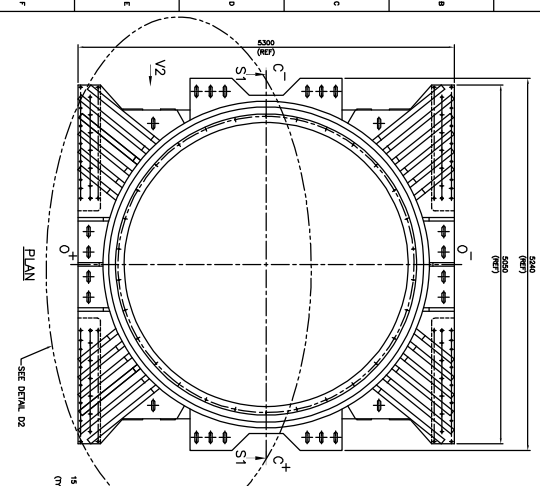
DATE: [Date]

BY: [Signature]

CHKD: [Signature]

APPD: [Signature]

DATE: [Date]



NO.	REV.	DESCRIPTION	DATE
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2		ISSUED FOR APPROVAL	
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19		ISSUED FOR APPROVAL	
20		ISSUED FOR APPROVAL	

DO NOT SCALE

INDIAN SPACE RESEARCH ORGANISATION
 SHRI SHYAM SUBRAMANIAM SPACE CENTRE, SHRI
TATA CONSULTING ENGINEERS LIMITED
 MEMBER

PROJECT: AUGMENTATION OF SECOND LAUNCH PAD

SCALE: 1:10

DATE: 15/08/2011

DESIGNED BY: [Name]

CHECKED BY: [Name]

APPROVED BY: [Name]

ISSUED BY: [Name]

DATE OF ISSUE: 15/08/2011

SCALE: 1:10

PROJECT: AUGMENTATION OF SECOND LAUNCH PAD

SCALE: 1:10

DATE: 15/08/2011

DESIGNED BY: [Name]

CHECKED BY: [Name]

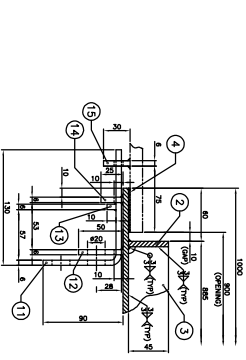
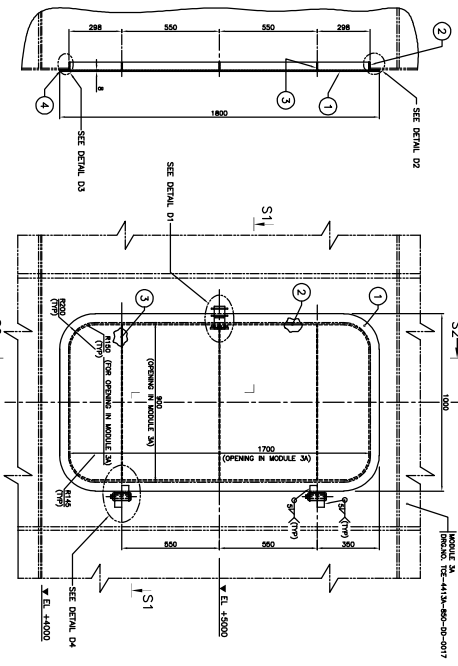
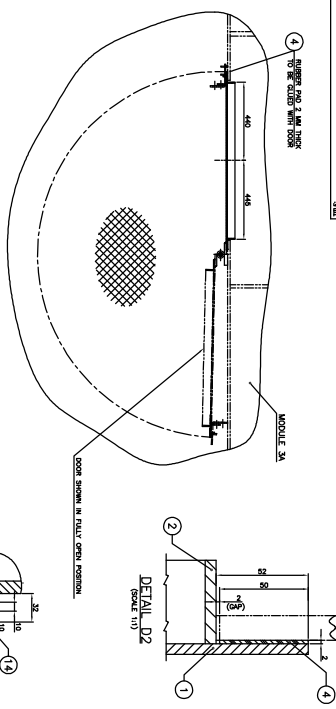
APPROVED BY: [Name]

ISSUED BY: [Name]

DATE OF ISSUE: 15/08/2011

SCALE: 1:10

- NOTES:-
- QUANTITY REQUIRED: 1 (FOR ONE M/L)
 - FOR LAYOUT AND DIMENSIONS, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - FOR MATERIAL SPECIFICATIONS, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - FOR FABRICATION AND ASSEMBLY, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - FOR TESTING AND INSPECTION, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - FOR STORAGE AND HANDLING, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - FOR TRANSPORTATION, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - FOR INSTALLATION, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - FOR MAINTENANCE, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - FOR DISPOSAL, REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.



SECTION SAS4
 (SCALE 1:2)

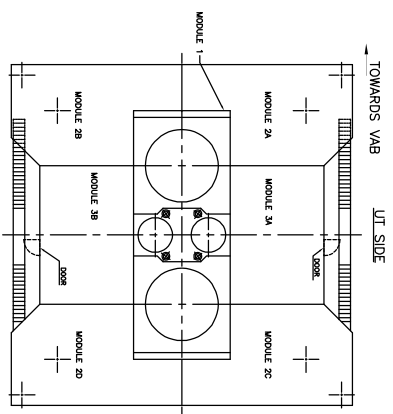
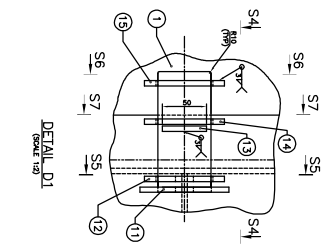
DETAILS OF ITEM No.12
 (SCALE 1:2)

SECTION S3S5
 (SCALE 1:2)

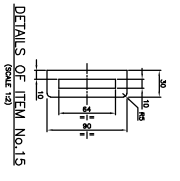
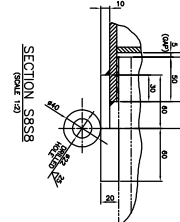
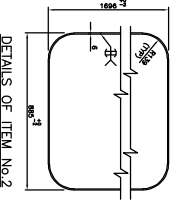
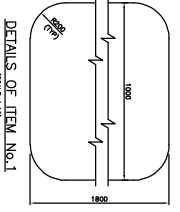
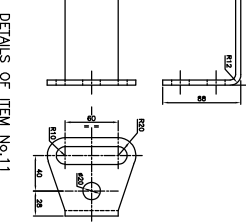
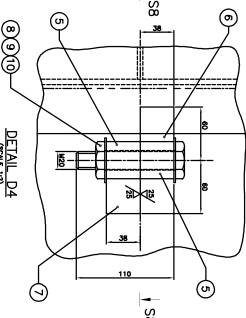
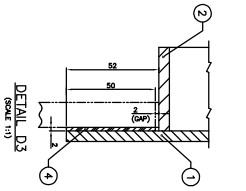
DETAILS OF HINGERS FOR DOOR (mm)
 (SCALE 1:2)

SECTION S7S7
 (SCALE 1:2)

DETAILS OF ITEM No.14
 (SCALE 1:2)



SECTION S6S6
 (SCALE 1:2)



BILL OF MATERIAL

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	REMARKS
1	PLATE 1 THK X 100 X 1000	1	PC	
2	PLATE 2 THK X 50 X 5144	1	PC	
3	PLATE 4.5 THK X 6 X 202	1	PC	
4	ROUNDER 2 THK X 50 X 5144	1	PC	
5	ROUNDER 2 THK X 40 X 10	1	PC	
6	PLATE 20 THK X 40 X 80	2	PC	
7	PLATE 20 THK X 40 X 80	2	PC	
8	ROUNDER 2 THK X 110 X 50 X 7	2	PC	
9	ROUNDER 2 THK X 110 X 50 X 7	2	PC	
10	ROUNDER 2 THK X 110 X 50 X 7	2	PC	
11	PLATE 8 THK X 200 X 100	1	PC	
12	PLATE 8 THK X 8 X 80	1	PC	
13	PLATE 50 X 8 X 110	1	PC	
14	PLATE 20 X 8 X 10	1	PC	
15	PLATE 8 THK X 80 X 30	1	PC	

NOTES:-
 1. QUANTITY REQUIRED : 2 (1 LEFT HAND + 1 RIGHT HAND) PER ONE L.A.P.
 2. DOOR FOR MODULE 3A IS SHOWN IN THE DRAWING. DOOR FOR MODULE 3B IS SHOWN IN THE DRAWING.
 3. FOR MANUFACTURING STANDARD & TOLERANCES, REFER TO THE DRAWING.
 4. TOTAL WEIGHT OF FINISHED SUBASSEMBLY : 130 KG.

REV	DATE	BY	CHKD	DESCRIPTION
1	10/01/2014
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DO NOT SCALE
 INDIAN SPACE RESEARCH ORGANISATION
 SHRI SATHI BHANU SPACE CENTRE, SHRI
 TATA
 TATA CONSULTING ENGINEERS LIMITED
 AUGMENTATION OF SECOND LAUNCH PAD

TITLE
 DOOR SUBASSEMBLY AND DETAILS
 PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

SCALE
 1:10
 DATE
 10/01/2014

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

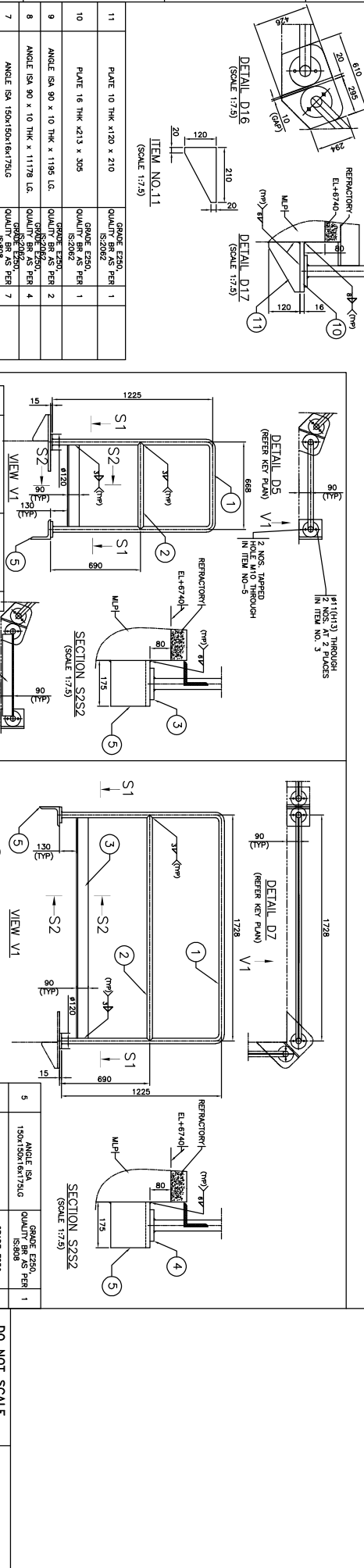
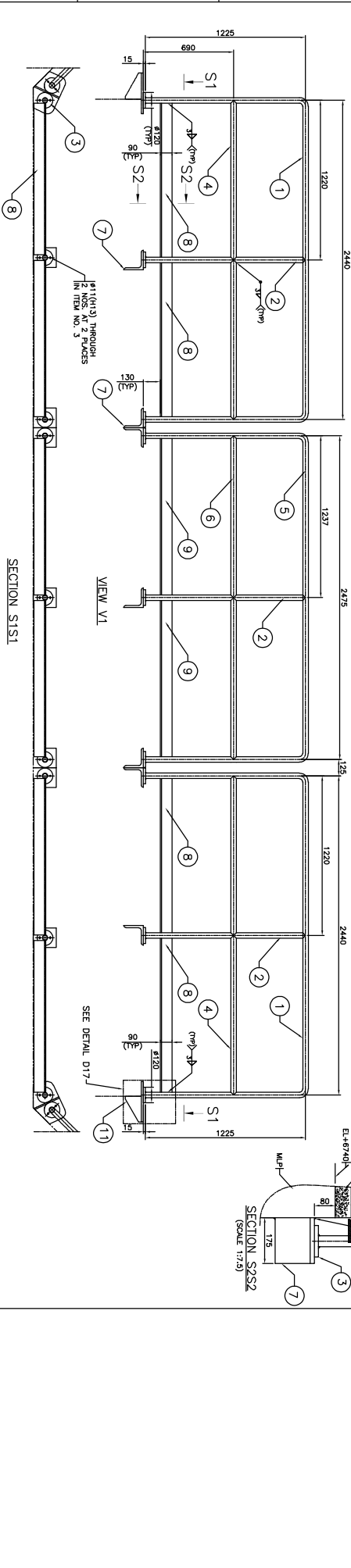
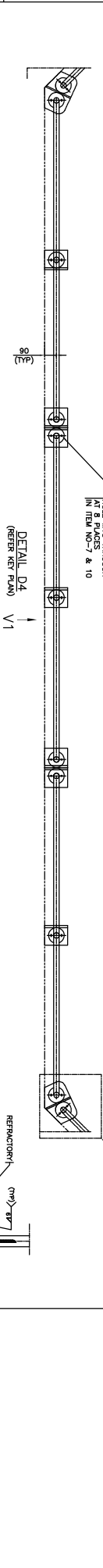
PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD

PROJECT
 AUGMENTATION OF SECOND LAUNCH PAD



ITEM NO.	DESCRIPTION	MATERIAL	QTY	REMARKS
1	PLATE 10 THK X 120 X 210	GRADE E250, IS2082	1	
2	PLATE 16 THK X 213 X 305	GRADE E250, IS2082	1	
3	ANGLE ISA 90 X 10 THK X 1195 LG.	GRADE E250, IS2082	2	
4	ANGLE ISA 90 X 10 THK X 1178 LG.	GRADE E250, IS2082	4	
5	ANGLE ISA 150 X 150 X 16.75 LG.	GRADE E250, IS2082	7	
6	TUBE 40 NB.(MEDIUM) X 1237 LG.	YST 210 AS PER IS:1161	2	
7	TUBE 40 NB.(MEDIUM) X 4890 LG.	YST 210 AS PER IS:1161	4	
8	TUBE 40 NB.(MEDIUM) X 1228 LG.	YST 210 AS PER IS:1161	3	
9	TUBE 40 NB.(MEDIUM) X 4854 LG.	YST 210 AS PER IS:1161	2	

FOR NO. ISSUE ONLY	ISSUE	REVISIONS	DRN	CHEM	CIVIL	ELECT	MACH	MECH	APPRO DATE	ISSUE
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2	ISSUE									
3	ISSUE									
4	ISSUE									
5	ISSUE									
6	ISSUE									
7	ISSUE									
8	ISSUE									
9	ISSUE									
10	ISSUE									
11	ISSUE									

PROJECT AUGMENTATION OF SECOND LAUNCH PAD (ASLP)

INDIAN SPACE RESEARCH ORGANISATION
 SATISH DHAWAN SPACE CENTRE, SHAR

TAVA CONSULTING ENGINEERS LIMITED
 MUMBAI

SCALE: 1:15

APPROVED: [Signature]

DATE: 03-03-2020

DESIGN: [Signature]

DATE: 02-03-2020

CHKD: KSR

ISSUE: RO

DATE: 03-03-2020

FILE NAME: F-01113504-WC-00-001R(S)0003

SCALE: 1:15

APPROVED: [Signature]

DATE: 03-03-2020

DESIGN: [Signature]

DATE: 02-03-2020

CHKD: KSR

ISSUE: RO

DATE: 03-03-2020

FILE NAME: F-01113504-WC-00-001R(S)0003