

CHAPTER :2

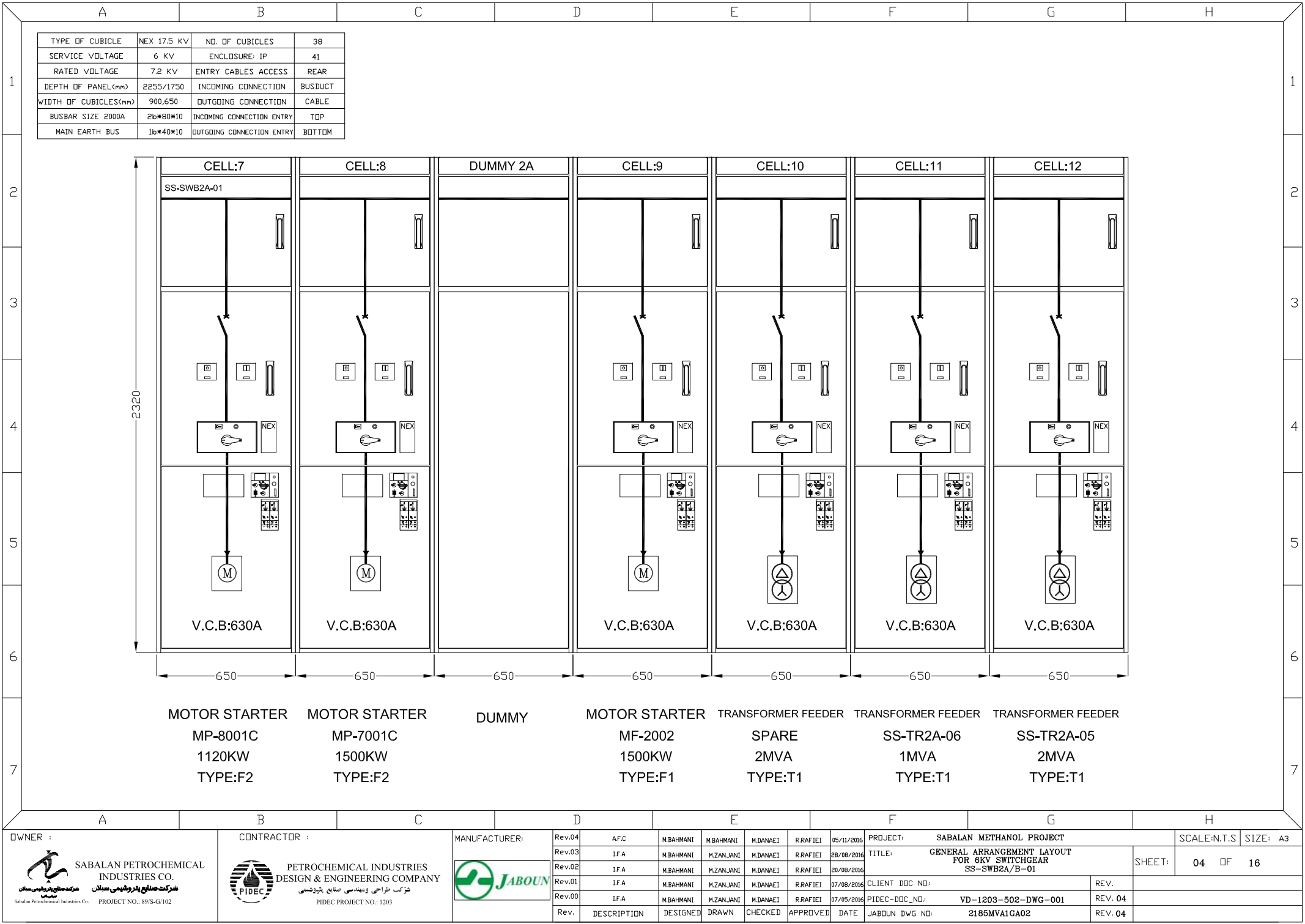
GENERAL ARRANGEMENT LAYOUT FOR 6KV SWITCHGEAR SS-SWB2A/B-01

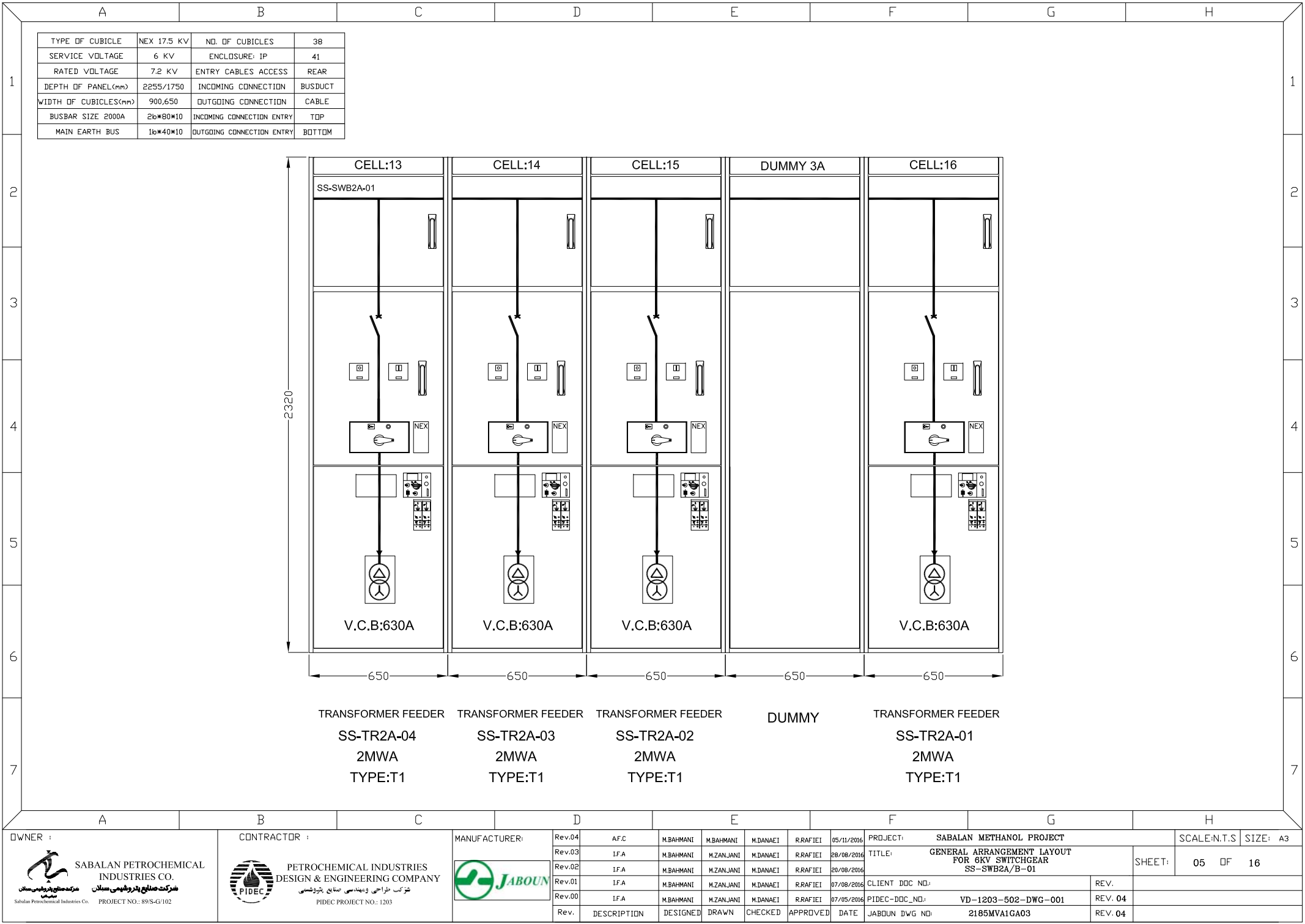
REFERENCE DRAWING	DWG. NO.
DATA SHEET FOR 6KV SWITCHGEARSS-SWB2A/B-01	1203-00-EL-DSH-502-01
6KV SWITCHGEAR SCHEDULE FOR SS-SWB2A/B-01	1203-00-EL-SCH-011-01
SINGLE LINE DIAGRAM FOR 6KV SWITCHGEAR SS-SWB2A/B-01	1203-00-EL-SLD-003-01
SUBSTATION ELECTRICAL EQUIPMENT LAYOUT-SWITCHROOM SS-SWB2A/B-01	1203-00-EL-DWG-100-01
TYPICAL STANDARD DRAWINGS FOR MV MOTOR STARTER CONTROL CIRCUIT DIAGRAMS	1203-00-EL-SDG-501-2A

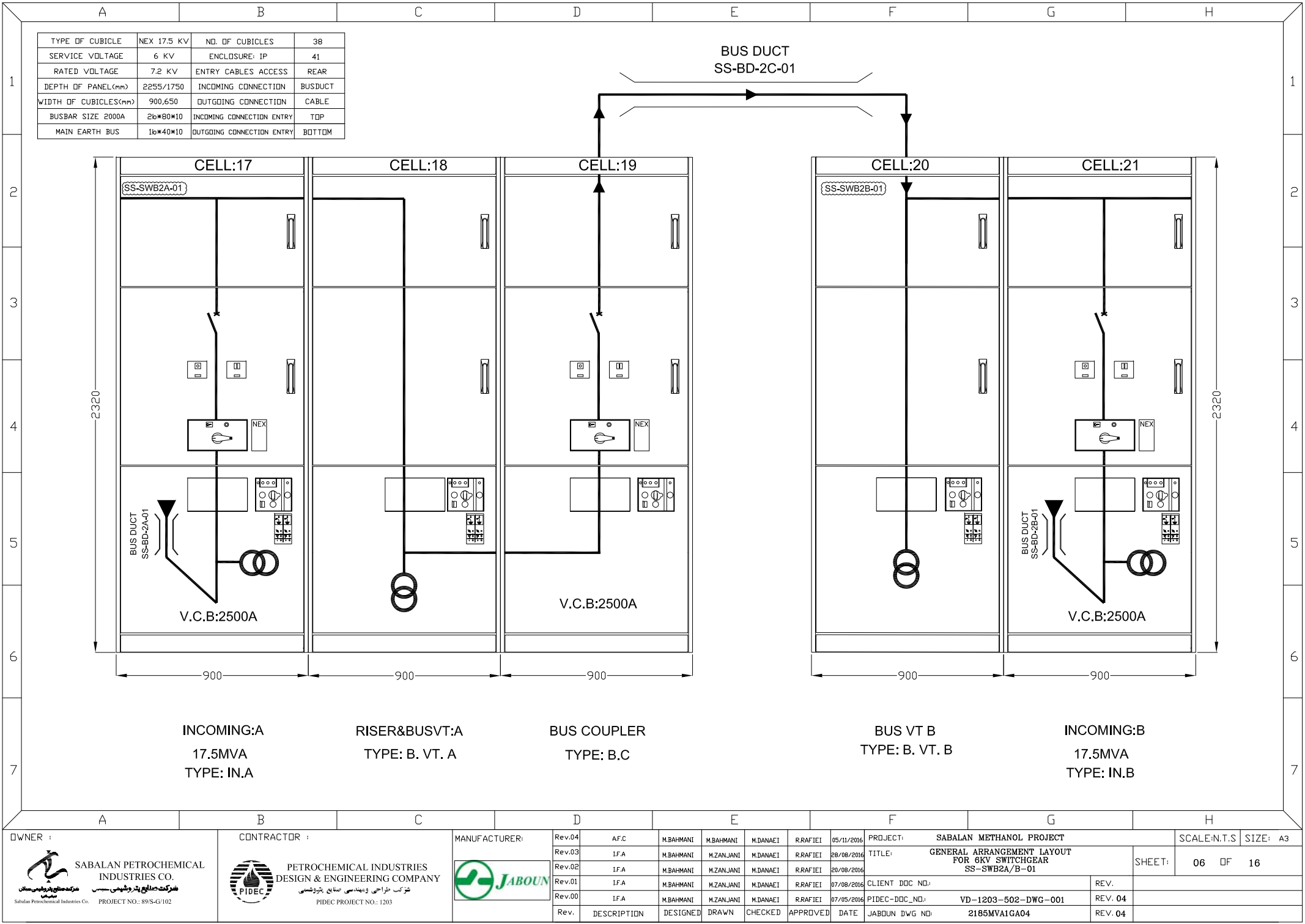
☐ NO COMMENT ☐ COMMENT AS MARKED, FABRICATION CAN PROCEED ACCORDINGLY. REVISED DOCUMENT TO BE ISSUED EITHER FOR REVIEW OR AS FINAL CERTIFIED. HOWEVER PIDEC WILL CHECK THIS REVISED DOCUMENT FOR PROPER INCORPORATION. ☐ REJECTED, DOCUMENT TO BE REVISED. ☐ USED FOR INFORMATION ONLY.		
NAME: SIGNATURE: DATE:	REQ. NO.:	SEQ. NO.:
PIDEC REVIEW & COMMENTS DOES NOT ABSOLVE THE VENDOR OF THE RESPONSIBILITY FOR THE CORRECT DESIGN , MANUFACTURING AND OPERATION OF THE EQUIPMENT.		

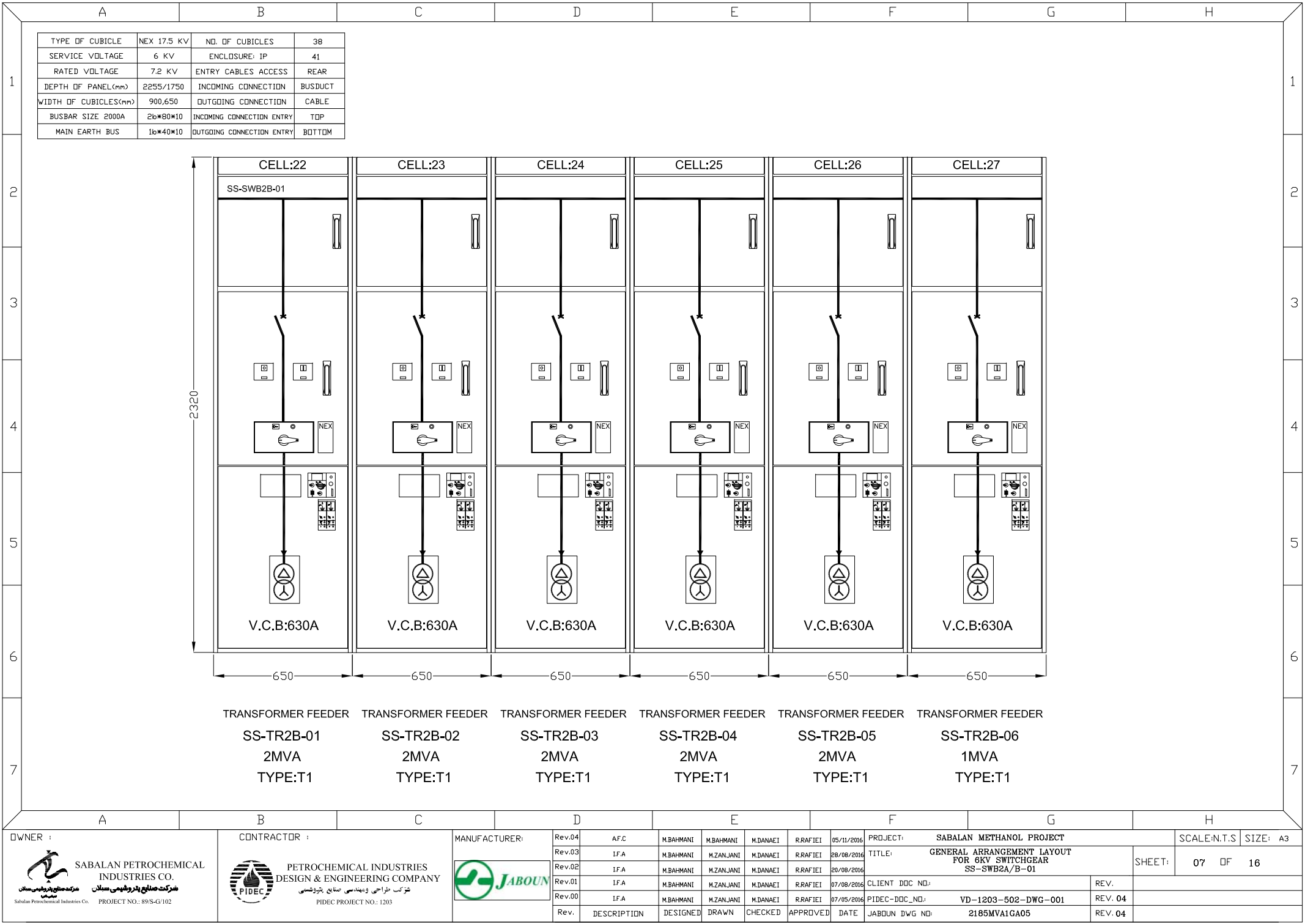
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	03	28.08.2016	ISSUE FOR APPROVAL	M.B.	M.D.	R.R.	N.J.
	02	20.08.2016	ISSUE FOR APPROVAL	M.B.	M.D.	R.R.	N.J.
	01	07.08.2016	ISSUE FOR APPROVAL	M.B.	M.D.	R.R.	N.J.
	00	07.05.2016	ISSUE FOR APPROVAL	M.B.	M.D.	R.R.	N.J.
	REV.	ISSUE DATE	DESCRIPTION	Prepared by	Checked by	Approved by	Project
	OWNER :  شرکت صنایع پتروشیمی سابلان Sabal Petrochemical Industries Co.						
	PROJECT : SABALAN METHANOL PROJECT						
	CONTRACTOR :  شرکت طراحی و مهندسی صنایع پتروشیمی PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY						
	VENDOR :  JABOUN COMPANY						
TITLE : GENERAL ARRANGEMENT LAYOUT FOR MV SWITCHGEAR SS-SWB2A/B-01							
SCALE : 1:1	OWNER PROJECT NO. : 89/S-3/102	VENDOR DWG. NO. : 2185MVA1CS02	REV. : 04	SIZE : A3			
SHT. : 01 OF 16	PIDEC PROJECT NO. : 1203	PIDEC DWG. NO. : VD-1203-502-DWG-001					

A		B		C		D		E		F		G		H											
1	NO.	DWG. NO.	DESCRIPTION		REV.																				
	1	2185MVA1CS02	GENERAL ARRANGEMENT/ COVER SHEET		0	1	2	3	4	5	6	7													
	2	2185MVA1ML02	GENERAL ARRANGEMENT/ MASTER LIST		✓	✓	✓	✓	✓																
	3	2185MVA1GA01	GENERAL ARRANGEMENT		✓		✓																		
	4	2185MVA1GA02	GENERAL ARRANGEMENT		✓	✓	✓	✓																	
	5	2185MVA1GA03	GENERAL ARRANGEMENT		✓		✓																		
	6	2185MVA1GA04	GENERAL ARRANGEMENT		✓		✓																		
	7	2185MVA1GA05	GENERAL ARRANGEMENT		✓		✓																		
	8	2185MVA1GA06	GENERAL ARRANGEMENT		✓		✓	✓																	
	9	2185MVA1GA07	GENERAL ARRANGEMENT		✓	✓	✓																		
2	10	2185MVA1GA08	GENERAL ARRANGEMENT/ CABLE ENTRY & FIXING POINTS		✓		✓																		
	11	2185MVA1GA09	GENERAL ARRANGEMENT/ CABLE ENTRY & FIXING POINTS		✓		✓																		
	12	2185MVA1GA10	GENERAL ARRANGEMENT/ CABLE ENTRY & FIXING POINTS		✓		✓																		
	13	2185MVA1GA11	GENERAL ARRANGEMENT/ CABLE ENTRY & FIXING POINTS		✓		✓																		
	14	2185MVA1GA12	GENERAL ARRANGEMENT/ CABLE ENTRY & FIXING POINTS		✓		✓																		
	15	2185MVA1GA13	GENERAL ARRANGEMENT/ FIXING DETAILS		✓	✓	✓	✓																	
	16	2185MVA1GA14	GENERAL ARRANGEMENT/ 6KV SWITCHGEAR & BUSDUCT ARRANGEMENT IN SUBSTATION MV ROOM				✓	✓	✓																
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OWNER :		CONTRACTOR :		MANUFACTURER:		Rev.04		A.F.C		M.BAHMANI		M.BAHMANI		M.DANAEI		R.RAFIEI		05/11/2016		PROJECT: SABALAN METHANOL PROJECT		SCALE: N.T.S		SIZE: A3	
SABALAN PETROCHEMICAL INDUSTRIES CO.		PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY		JABOUN		Rev.03		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		28/08/2016		TITLE: GENERAL ARRANGEMENT LAYOUT FOR 6KV SWITCHGEAR SS-SWB2A/B-01		SHEET: 02 OF 16			
شرکت صنایع پتروشیمی سبالان		شرکت طراحی و مهندسی صنایع پتروشیمی				Rev.02		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		20/08/2016		CLIENT DOC NO.:		REV.:			
Sabalani Petrochemical Industries Co.		PIDECC PROJECT NO.: 1203				Rev.01		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		07/08/2016		PIDECC-DCC_NO.:		REV. 04			
PROJECT NO.: 89/S-G/102						Rev.00		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		07/05/2016		PIDECC-DCC_NO.:		REV. 04			
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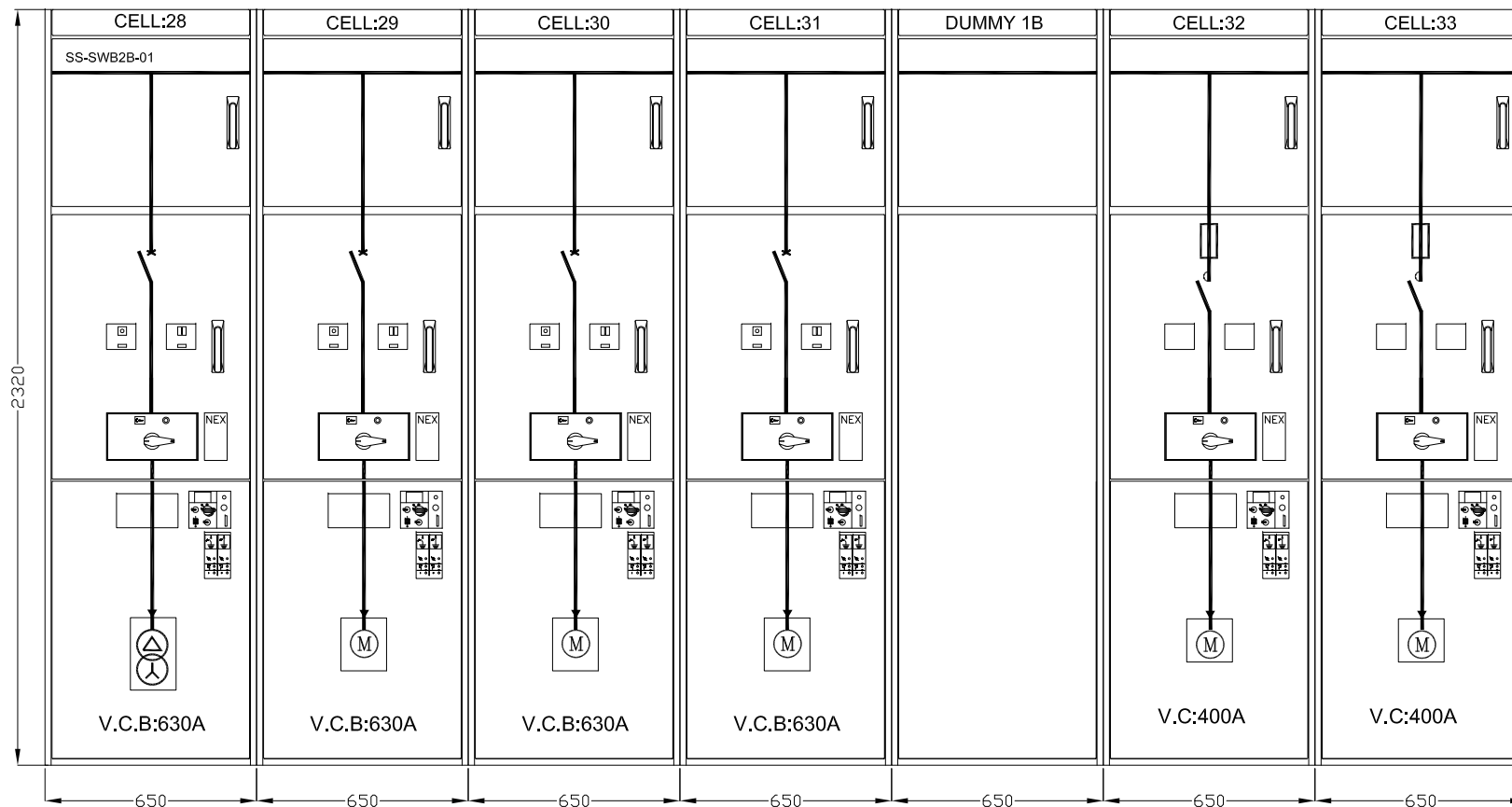




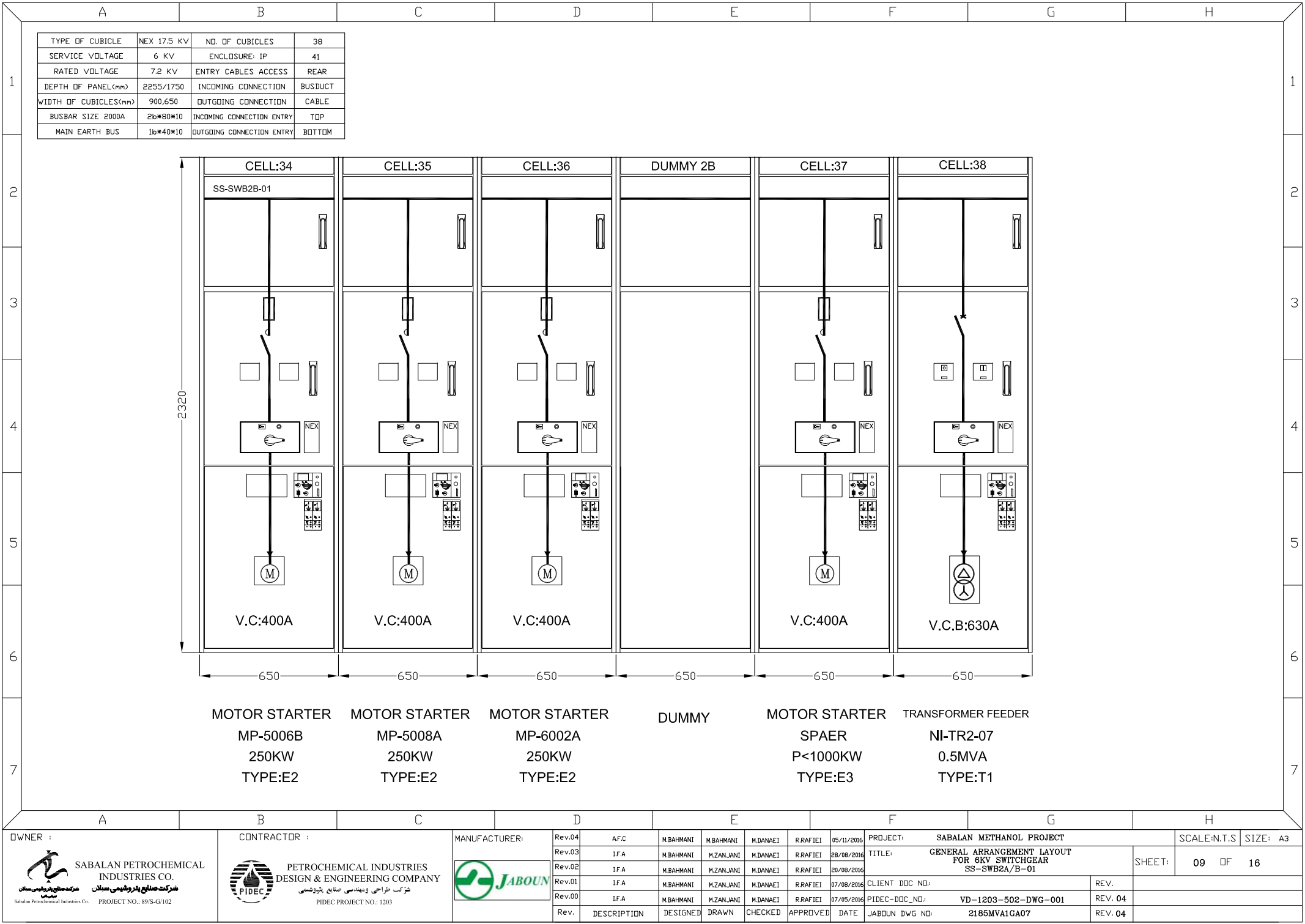


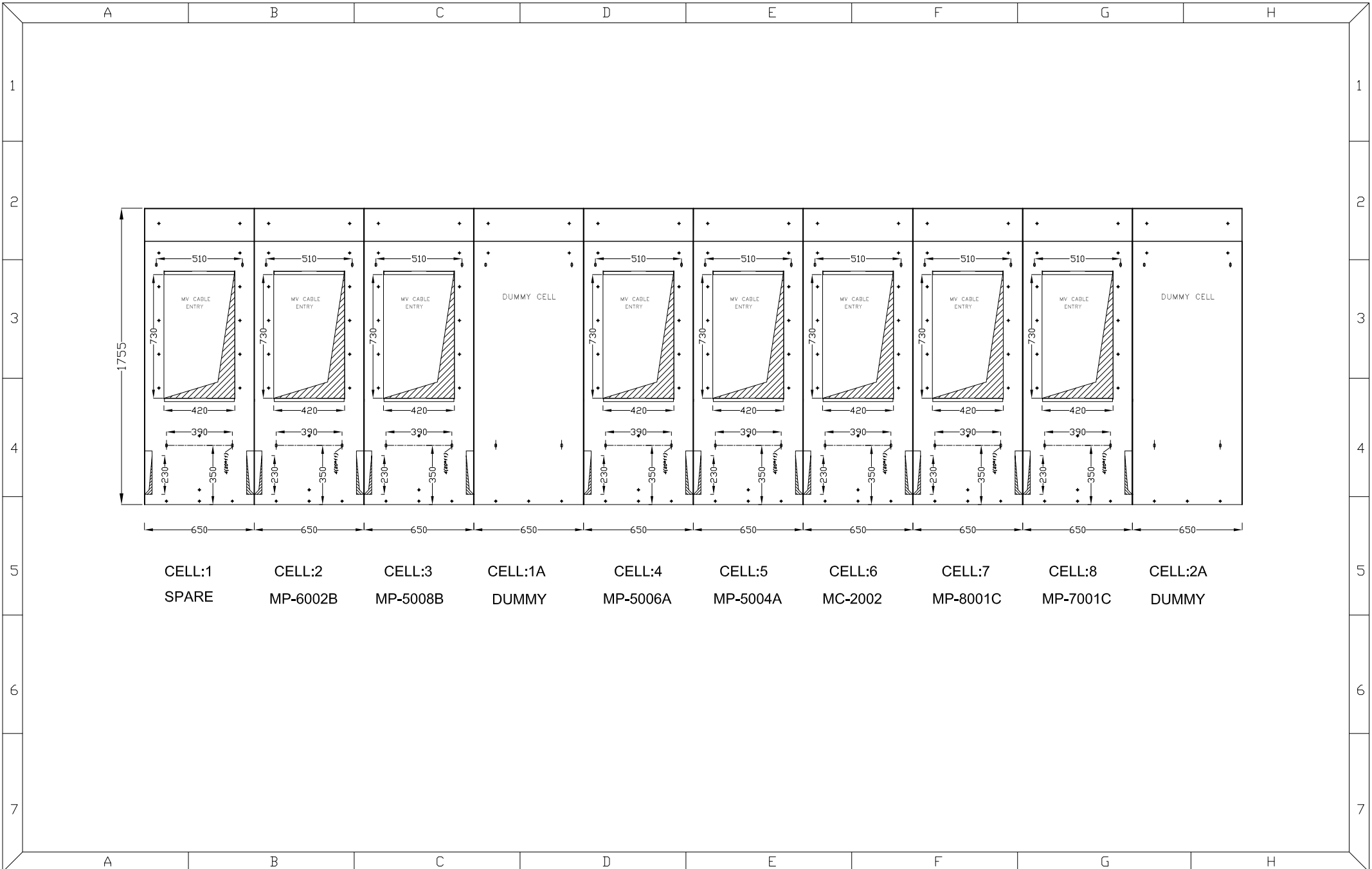


TYPE OF CUBICLE	NEX 17.5 KV	NO. OF CUBICLES	38
SERVICE VOLTAGE	6 KV	ENCLOSURE: IP	41
RATED VOLTAGE	7.2 KV	ENTRY CABLES ACCESS	REAR
DEPTH OF PANEL(mm)	2255/1750	INCOMING CONNECTION	BUSDUCT
WIDTH OF CUBICLES(mm)	900,650	OUTGOING CONNECTION	CABLE
BUSBAR SIZE 2000A	26*80*10	INCOMING CONNECTION ENTRY	TOP
MAIN EARTH BUS	16*40*10	OUTGOING CONNECTION ENTRY	BOTTOM

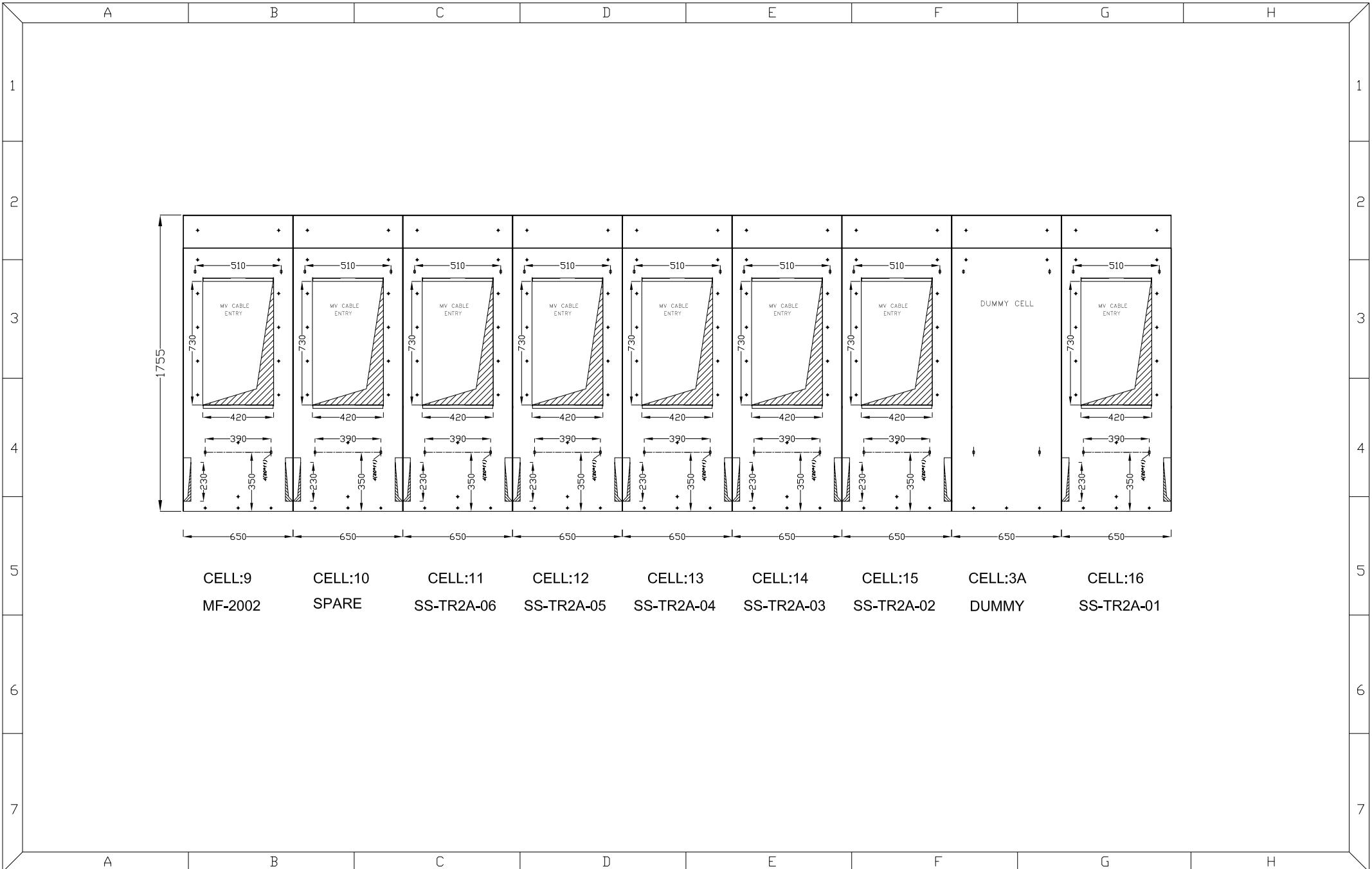


TRANSFORMER FEEDER	MOTOR STARTER	MOTOR STARTER	MOTOR STARTER	DUMMY	MOTOR STARTER	MOTOR STARTER
SPARE	MF-2001	MP-8001D	SPARE		MC-2001	MP-5004B
2MVA	2250KW	1120KW	P>1000KW		560KW	185KW
TYPE:T1	TYPE:F1	TYPE:F2	TYPE:F1		TYPE:E1	TYPE:E2

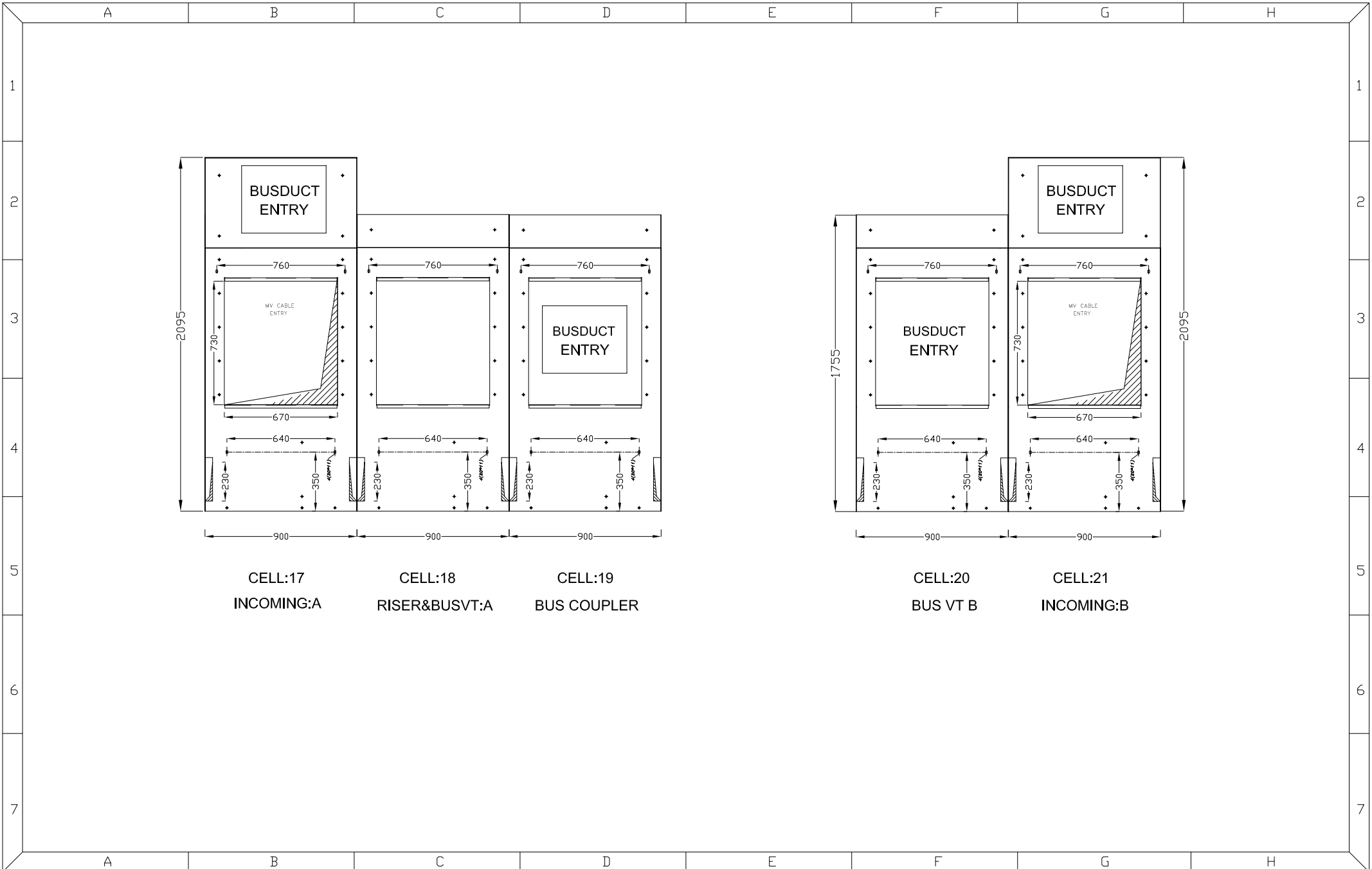




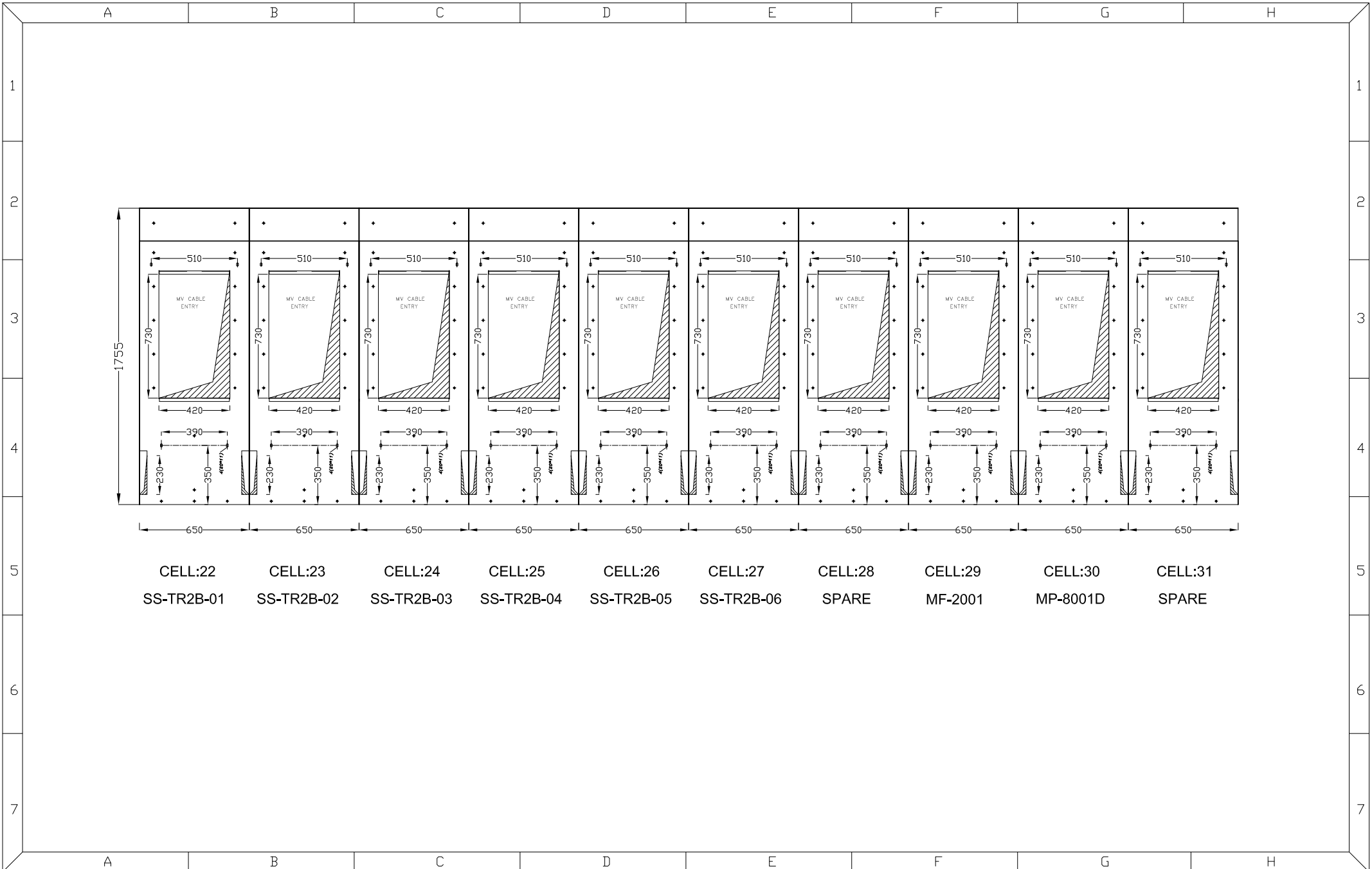
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 SABALAN PETROCHEMICAL INDUSTRIES CO. شرکت صنایع پتروشیمی سابلان Sabalun Petrochemical Industries Co. PROJECT NO.: 89/S-G/102		 PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY شرکت طراحی و مهندسی صنایع پتروشیمی PIDECC PROJECT NO.: 1203		 JABOUN		Rev.03		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		28/08/2016		TITLE: GENERAL ARRANGEMENT LAYOUT FOR 6KV SWITCHGEAR SS-SWB2A/B-01		SHEET:		10 OF 16	
						Rev.02		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		20/08/2016							
						Rev.01		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		07/08/2016		CLIENT DOC NO.:		REV.			
						Rev.00		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		07/05/2016		PIDECC-DOC-NO.:		VD-1203-502-DWG-001		REV. 04	
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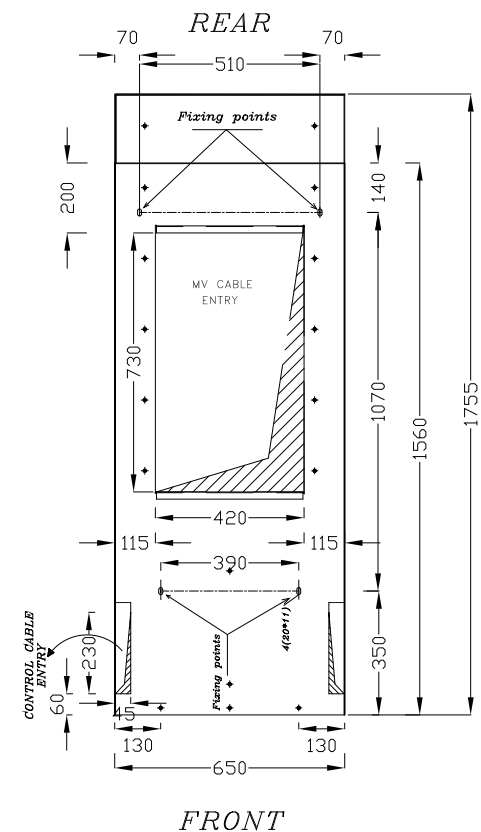
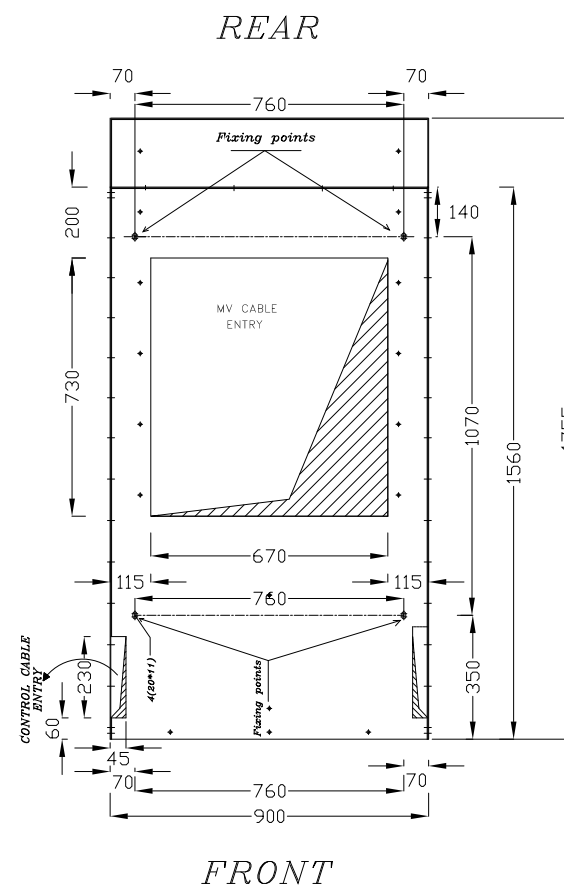
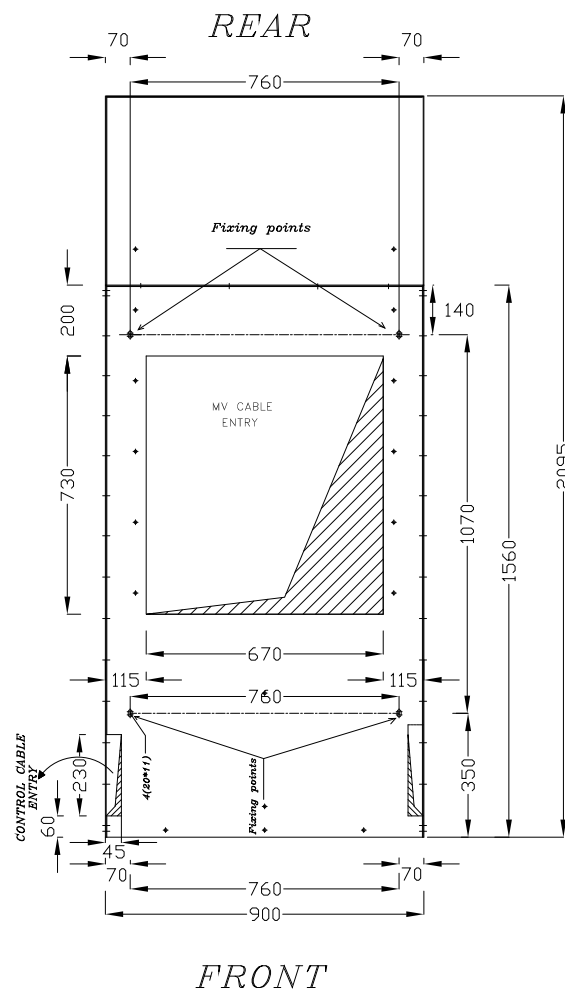
OWNER :		CONTRACTOR :		MANUFACTURER:		Rev.04		A.F.C		M.BAHMANI		M.BAHMANI		M.DANAEI		R.RAFIEI		05/11/2016		PROJECT: SABALAN METHANOL PROJECT		SCALE:N.T.S		SIZE: A3	
 SABALAN PETROCHEMICAL INDUSTRIES CO. شرکت صنایع پتروشیمی سبلان Sabalun Petrochemical Industries Co. PROJECT NO.: 89/S-G/102		 PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY شرکت طراحی و مهندسی صنایع پتروشیمی PIDECE PROJECT NO.: 1203				Rev.03		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		28/08/2016		TITLE: GENERAL ARRANGEMENT LAYOUT FOR 6KV SWITCHGEAR SS-SWB2A/B-01		SHEET:		11 OF 16	
						Rev.02		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		20/08/2016							
						Rev.01		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		07/08/2016		CLIENT DOC NO.:		REV.			
						Rev.00		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		07/05/2016		PIDECE-DCC-NO.:		VD-1203-502-DWG-001		REV. 04	
						Rev.		DESCRIPTION		DESIGNED		DRAWN		CHECKED		APPROVED		DATE		JABOUN DWG NO: 2185MVAIGA09		REV. 04			



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 SABALAN PETROCHEMICAL INDUSTRIES CO. شرکت صنایع پتروشیمی سبالان Sabalun Petrochemical Industries Co. PROJECT NO.: 89/S-G/102		 PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY شرکت طراحی و مهندسی صنایع پتروشیمی PIDECC PROJECT NO.: 1203				Rev.04	A.F.C	M.BAHMANI	M.BAHMANI	M.DANAIE	R.RAFIEI	05/11/2016	PROJECT: SABALAN METHANOL PROJECT			SCALE: N.T.S		SIZE: A3	
						Rev.03	I.F.A	M.BAHMANI	M.ZANJANI	M.DANAIE	R.RAFIEI	28/08/2016	TITLE: GENERAL ARRANGEMENT LAYOUT FOR 6KV SWITCHGEAR SS-SWB2A/B-01			SHEET:		12 OF 16	
						Rev.02	I.F.A	M.BAHMANI	M.ZANJANI	M.DANAIE	R.RAFIEI	20/08/2016							
						Rev.01	I.F.A	M.BAHMANI	M.ZANJANI	M.DANAIE	R.RAFIEI	07/08/2016	CLIENT DOC NO.:			REV.			
						Rev.00	I.F.A	M.BAHMANI	M.ZANJANI	M.DANAIE	R.RAFIEI	07/05/2016	PIDECC-DOC_NO.:			VD-1203-502-DWG-001		REV. 04	
						Rev.	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE	JABOUN DWG NO: 2185MVAIGA10			REV. 04			



OWNER :		CONTRACTOR :		MANUFACTURER:		Rev.04		A.F.C		M.BAHMANI		M.BAHMANI		M.DANAEI		R.RAFIEI		05/11/2016		PROJECT: SABALAN METHANOL PROJECT		SCALE:N.T.S		SIZE: A3	
 SABALAN PETROCHEMICAL INDUSTRIES CO. شرکت صنایع پتروشیمی سابلان Sabalun Petrochemical Industries Co. PROJECT NO.: 89/S-G/102		 PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY شرکت طراحی و مهندسی صنایع پتروشیمی PIDEC PROJECT NO.: 1203				Rev.03		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		28/08/2016		TITLE: GENERAL ARRANGEMENT LAYOUT FOR 6KV SWITCHGEAR SS-SWB2A/B-01		SHEET:		13 OF 16	
						Rev.02		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		20/08/2016							
						Rev.01		I.F.A		M.BAHMANI		M.ZANJANI		M.DANAEI		R.RAFIEI		07/08/2016		CLIENT DOC NO.:		REV.			
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						Rev.		DESCRIPTION		DESIGNED		DRAWN		CHECKED		APPROVED		DATE		JABOUN DWG NO: 2185MVA1GA11		REV. 04			



Panel Fixing Detail

OWNER :

CONTRACTOR :

MANUFACTURER:	
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 **SABALAN PETROCHEMICAL INDUSTRIES CO.**
شرکت صنایع پتروشیمی سیلان
Sabal Petrochemical Industries Co. PROJECT NO.: 89/S-G/102



PETROCHEMICAL INDUSTRIES
 DESIGN & ENGINEERING COMPANY
 شرکت طراحی و مهندسی صنایع پتروشیمی
 PIDEC PROJECT NO.: 1203



Rev.04	A.F.C	M.BAHMANI	M.BAHMANI	M.DANAEI	R.RAFIEI	05/11/2016	PROJECT:	SABALAN METHANOL PROJECT		SCALE: N.T.S	SIZE: A3
Rev.03	I.F.A	M.BAHMANI	M.ZANJANI	M.DANAEI	R.RAFIEI	28/08/2016	TITLE:	GENERAL ARRANGEMENT LAYOUT FOR 6KV SWITCHGEAR		SHEET:	15 OF 16
Rev.02	I.F.A	M.BAHMANI	M.ZANJANI	M.DANAEI	R.RAFIEI	28/08/2016	SS-SWB2A/B-01				
Rev.01	I.F.A	M.BAHMANI	M.ZANJANI	M.DANAEI	R.RAFIEI	07/08/2016	CLIENT DOC NO.:			REV.	
Rev.00	I.F.A	M.BAHMANI	M.ZANJANI	M.DANAEI	R.RAFIEI	07/05/2016	PIDECD-DOC_NO.:		VD-1203-502-DWG-001		REV. 04
Rev.	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE	JABOON DWG NO:		2185MVA1GA13		REV. 04

