

CAUTION!

Remains energized when main switch is opened

FEEDER NUMBER	00
FEEDER NAME	INCOMING
DESCRIPTION	-

REFERENCE DOCUMENTS	DOC No.

NOTES :

LEGEND:

01					
00	8/21/2023				
REV.	DATE	DESCRIPTION	PREP.	CHK.	APPR.

CLIENT: SUB CONTRACTOR(S): **Bonyan Tablo**

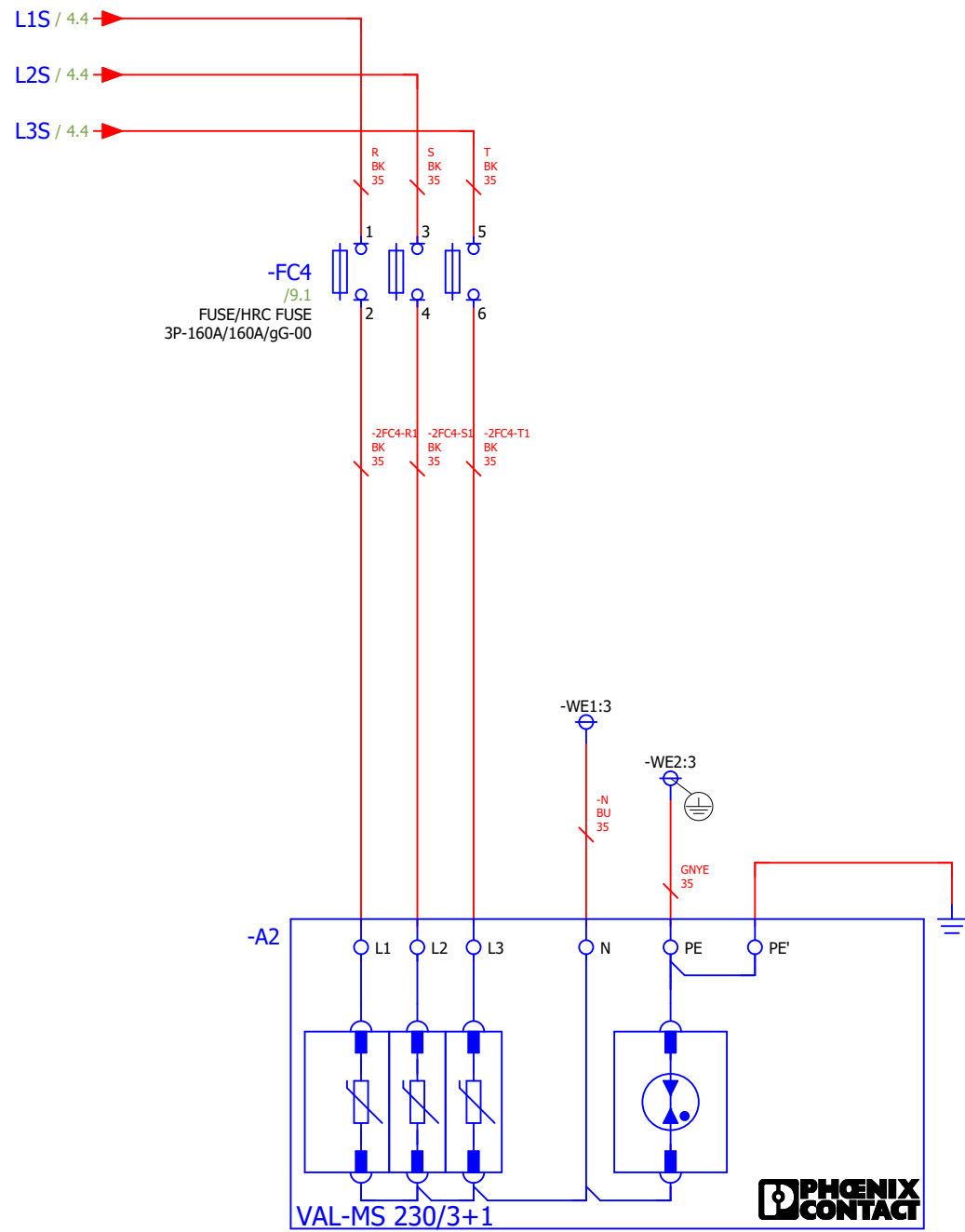
DRAWING TITLE:
MAHAN PROJECT
INCOMING & METERING

PREP.: SFG	CHECK.: SFG	APPR.: M.GHAREKHANDE
CONT. JOB No.:	CONT. DWG. No.:	

REF. NO.: SC.:
 PANEL NAME: **MPB& CB**

DOCUMENT No.:	SIZE: A3				
PLAN/PRJ/SUB.:	UNIT CODE	PHASE	SERIAL NO.:	REV.:	SHEET NO.
			PR-SA-152-247	00	

REFINERY DOC. NO.	LOCATION	SIZE	CLASS	SERIAL NO.
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REFERENCE DOCUMENTS DOC No.

NOTES :

LEGEND:

REV.	DATE	DESCRIPTION	PREP.	CHK.	APPR.
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CLIENT: SUB CONTRACTOR(S): **Bonyan**
IBI Tablo

DRAWING TITLE:
MAHAN PROJECT
SPD

PREP.: CHECK.: APPR.:
SPG SPG M.GHAREKHAN

CONT. JOB No.: CONT. DWG. No.:

REF. NO.: SC.:

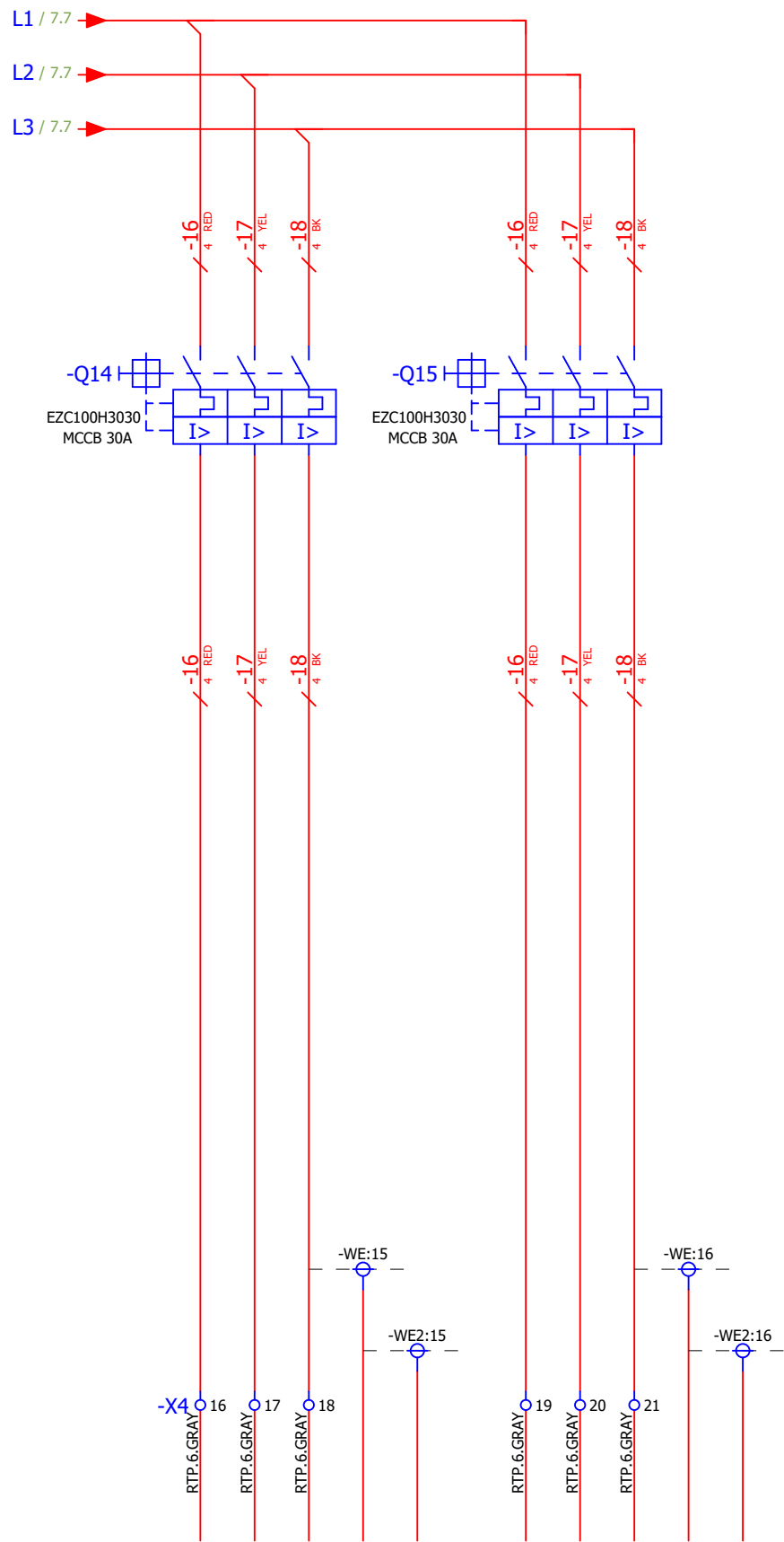
PANEL NAME: **MPB& CB**

DOCUMENT No.: SIZE: **A3**

PLAN/PRJ/SUB.:	UNIT CODE	PHASE	SERIAL NO.:	REV.:	SHEET NO.
			PR-SA-152-247	00	

REFINERY DOC. NO.	LOCATION	SIZE	CLASS	SERIAL NO.

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FEEDER NUMBER	1	2
FEEDER NAME	-	-
DESCRIPTION	LV1	LV2
	-	-

REFERENCE DOCUMENTS	DOC No.

NOTES :

LEGEND:

REV.	DATE	DESCRIPTION	PREP.	CHK.	APPR.
01					
00	8/21/2023		SPG	SPG	M.GHAREKHANDE

CLIENT: SUB CONTRACTOR(S): **Bonyan Tablo**

DRAWING TITLE:
MAHAN PROJECT
OUTGOING

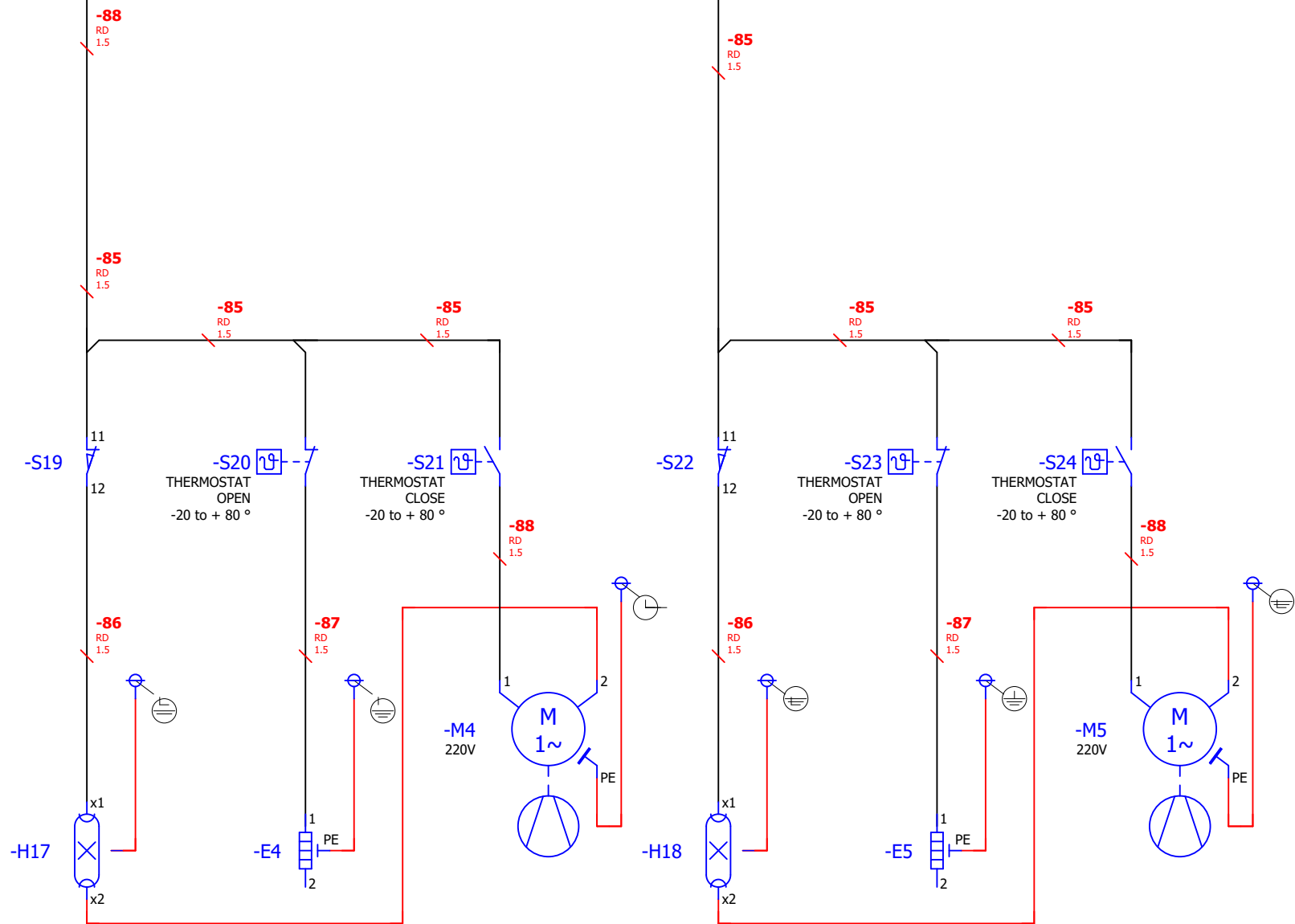
PREP.: SPG CHECK.: SPG APPR.: M.GHAREKHANDE
CONT. JOB No.: CONT. DWG. No.:

REF. NO.: SC.:
PANEL NAME **MPB& CB**

DOCUMENT No.: SIZE: **A3**
PLAN/PRJ/SUB.: UNIT CODE PHASE SERIAL NO.: REV.: SHEET NO.
PR-SA-152-247 00

REFINERY DOC. NO. LOCATION SIZE CLASS SERIAL NO.
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CELL 4

CELL 5

REFERENCE DOCUMENTS DOC No.

NOTES :

LEGEND:

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00	8/21/2023		SPG	SPG	M.GHAREKHAN

REV. DATE DESCRIPTION PREP. CHK. APPR.

CLIENT: SUB CONTRACTOR(S): **Bonyan Tablo**

DRAWING TITLE:
MAHAN PROJECT
LIGHTING

PREP.: CHECK.: APPR.:
SPG SPG M.GHAREKHAN

CONT. JOB No.: CONT. DWG. No.:

REF. NO.: SC.:

PANEL NAME
MPB& CB

DOCUMENT No.: SIZE: **A3**

PLAN/PRJ/SUB.:	UNIT CODE	PHASE	SERIAL NO.:	REV.:	SHEET NO.
			PR-SA-152-247	00	

REFINERY DOC. NO.	LOCATION	SIZE	CLASS	SERIAL NO.

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GENERAL SPECIFICATION

1) ELECTRICAL CHARACTERISTICS

VOLTAGE :

SERVICE : 400VAC RATED : 690V POWER FREQUENCY : 50HZ IMPULSE : 8KV

NOMINAL CURRENT (A) : 1800A

NOMINAL FREQUENCY (HZ) : 50

RATED BREAKING CAPACITY (KA) : <50 kA

NUMBER OF PHASES : 3PH+N+PE

NUMBER OF POLE : 3P

NEUTRAL DISTRIBUTION : WITHOUT EQUAL TO PHASE HALF OF PHASE

BUSBAR SIZE: PHASE : 80*10 II NEUTRAL : 80X10 m EARTH : 80X10m

BUSBAR CODE : L1: RED L2: YELLOW L3: BLUE N:BLACK PE:YELLOW/GREEN

BUSBAR COAT :

JUNCTION POINT : NOTHING TIN SILVER

BUSBAR LENGTH : NOTHING TIN SILVER EPOXY POWDER

BUSBAR INSULATION

HORIZONTAL : AIR RESIN COLOR HEAT SHRINK

VERTICAL : AIR RESIN COLOR HEAT SHRINK

VOLTAGE CONTROL SUPPLY AND SOURCE: INT. EXT.

INCOMING : 220V AC DC INSIDE OUTSIDE

OUTGOING : 220V AC DC INSIDE OUTSIDE

PROTECTION : 220V AC DC INSIDE OUTSIDE

INTERLOCKING : 220V AC DC INSIDE OUTSIDE

SIGNALING : 220V AC DC INSIDE OUTSIDE

CONTROL WIRE CROSS SECTION

CONTROL : 1.5 mm² CURRENT : 2.5 mm² PT WIRING: -----

WIRING COLOR CODE: 220VAC: GRY

2) PANEL SPECIFICATIONS

TYPE OF PANEL : WITHDRAWABLE FIX MV LV

DIMENSION : HEIGHT :2100 mm DEPTH : 800 mm WIDTH :3500 mm

CUBICLES NO. & TYPE : 4 Cubicle DETAIL : FREE STANDING

PROTECTION DEGREE : IP43

TYPE OF CIRCUIT BREAKER : ACB MCB MCCB

TYPE OF CONNECTION : FRONT REAR

GLAND PLATE : YES NO

CABLE GLAND : YES NO

INCOMING CONNECTION BY : CABLE BUS DUCT

OUTGOING CONNECTION BY : CABLE BUS DUCT

INCOMING CABLE CONNECTION : TOP BOTTOM

OUTGOING CABLE CONNECTION : TOP BOTTOM

MATERIAL STRUCTURE

BODY : PAINTED STEEL GALVANIZED

DOOR AND COVER : PAINTED STEEL GALVANIZED

PAINT: RAL 7035

HEATER AND THERMOSTAT : YES (230V AC) NO

LIGHTING : YES (230V AC) NO

3) SITE CONDITION

HUMIDITY : ALTITUDE : MAX. TEMPRATURE : 35° C

REFERENCE DOCUMENTS DOC No.

NOTES :

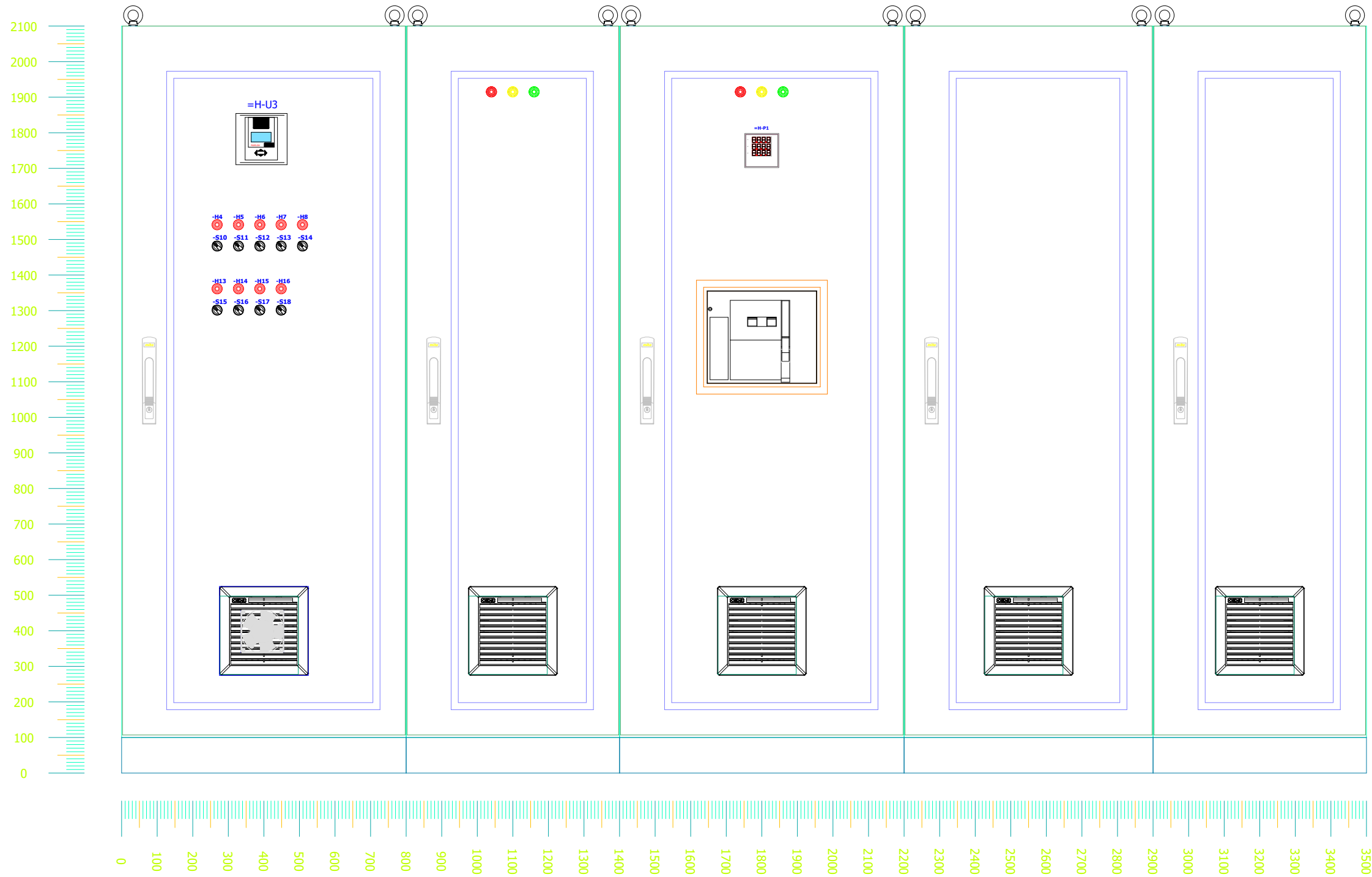
LEGEND:

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00	8/21/2023				
REV.	DATE	DESCRIPTION	PREP.	CHK.	APPR.

CLIENT: SUB CONTRACTOR(S): **Bonyan Tablo**

DRAWING TITLE: MAHAN PROJECT
GENERAL SPECIFICATION

PREP.: SFG	CHECK.: SFG	APPR.: M.GHAREKHAN
CONT. JOB No.:		CONT. DWG. No.:
REF. NO.:		SC.:
PANEL NAME MPB& CB		
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Front View

REFERENCE DOCUMENTS	DOC No.

NOTES :

LEGEND:

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01					
00	8/21/2023				M.GHAREKHAN

CLIENT: SUB CONTRACTOR(S): **Bonyan Tablo**

DRAWING TITLE: MAHAN PROJECT LAYOUT

PREP.: SFG CHECK.: SFG APPR.: M.GHAREKHAN

CONT. JOB No.: CONT. DWG. No.:

REF. NO.: SC.:

PANEL NAME: **MPB& CB**

DOCUMENT No.: SIZE: **A3**

PLAN/PRJ/SUB.: UNIT CODE PHASE SERIAL NO.: REV.: SHEET NO.

PR-SA-152-247 00

REFINERY DOC. NO.	LOCATION	SIZE	CLASS	SERIAL NO.
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+ M01				182/ 254