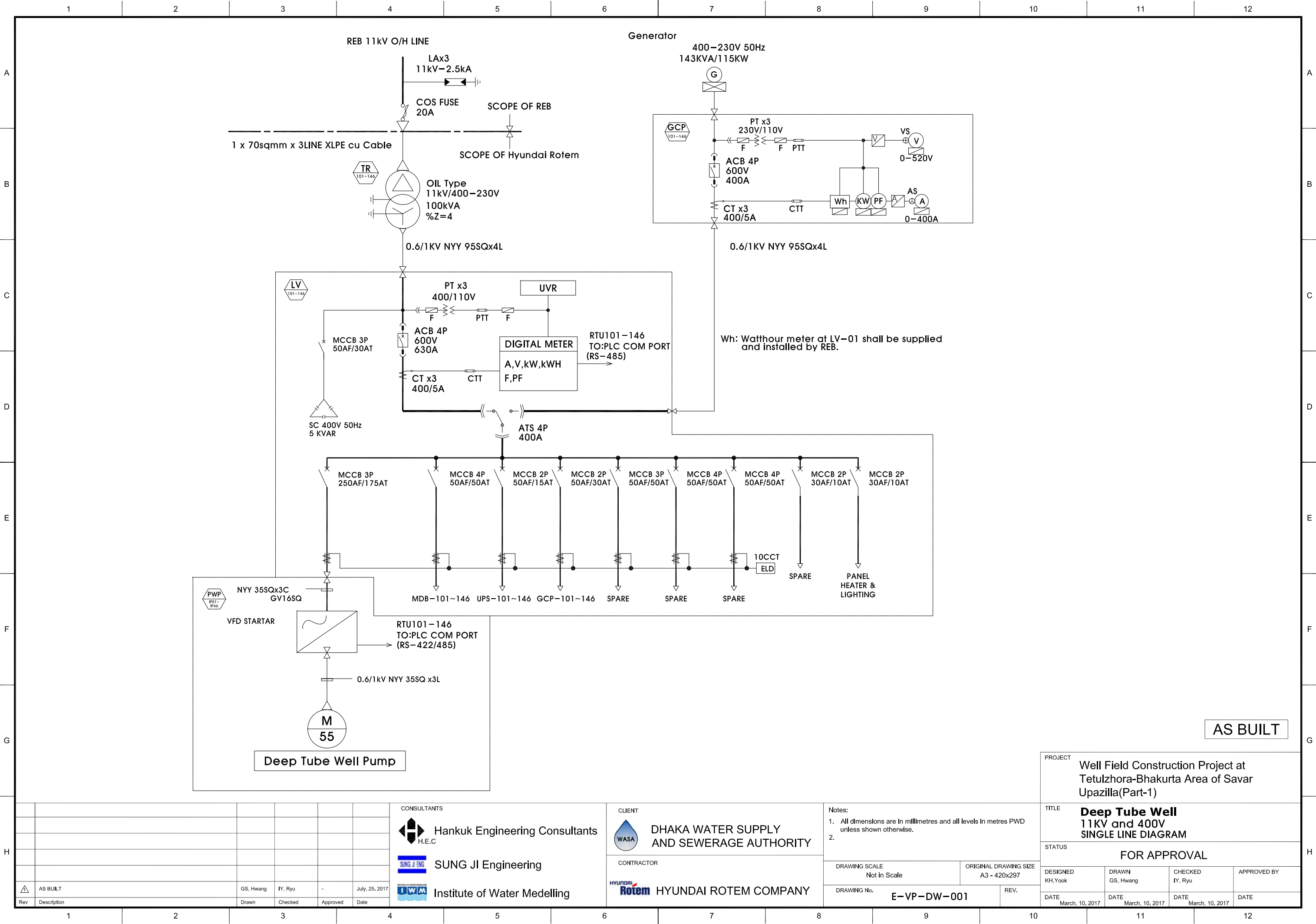
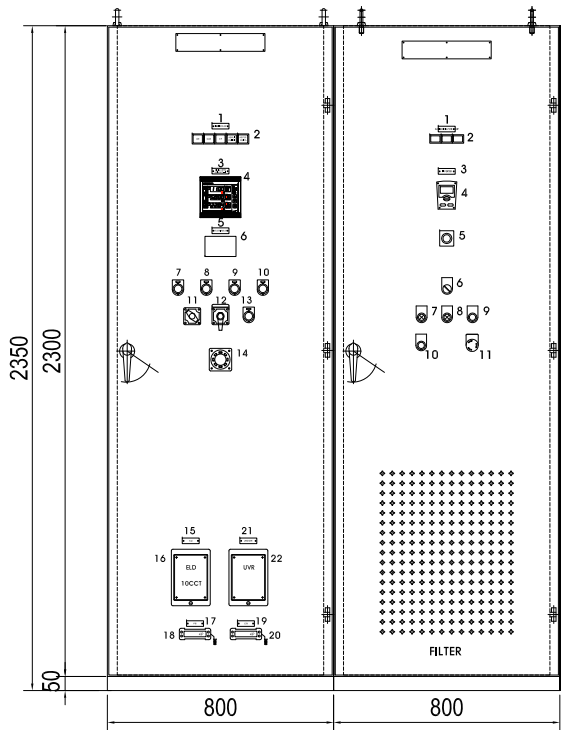
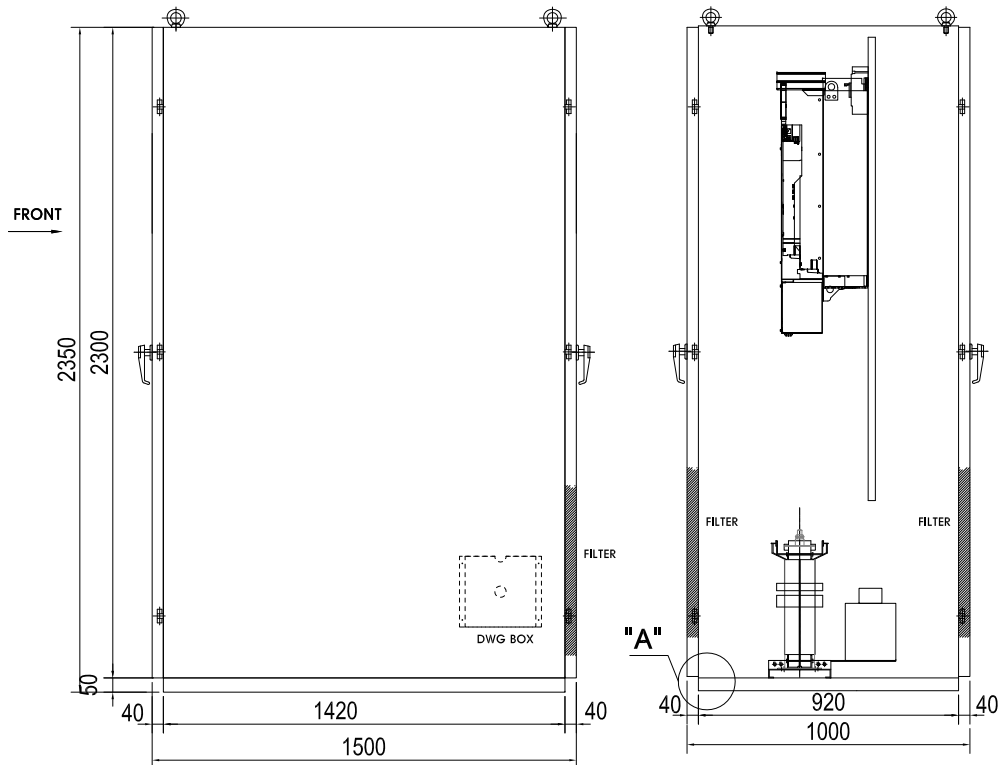




PANEL NAME	LV INCOMING PANEL	PRODUCTION WELL PUMP PANEL
ITEM No	LV-101~146	PWP-IP01~IP46

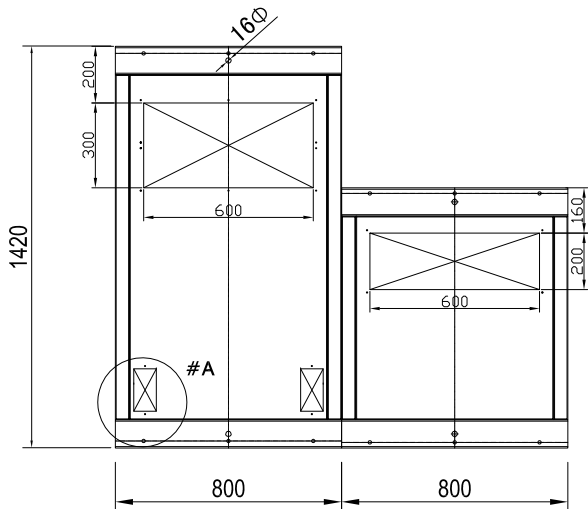


FRONT VIEW

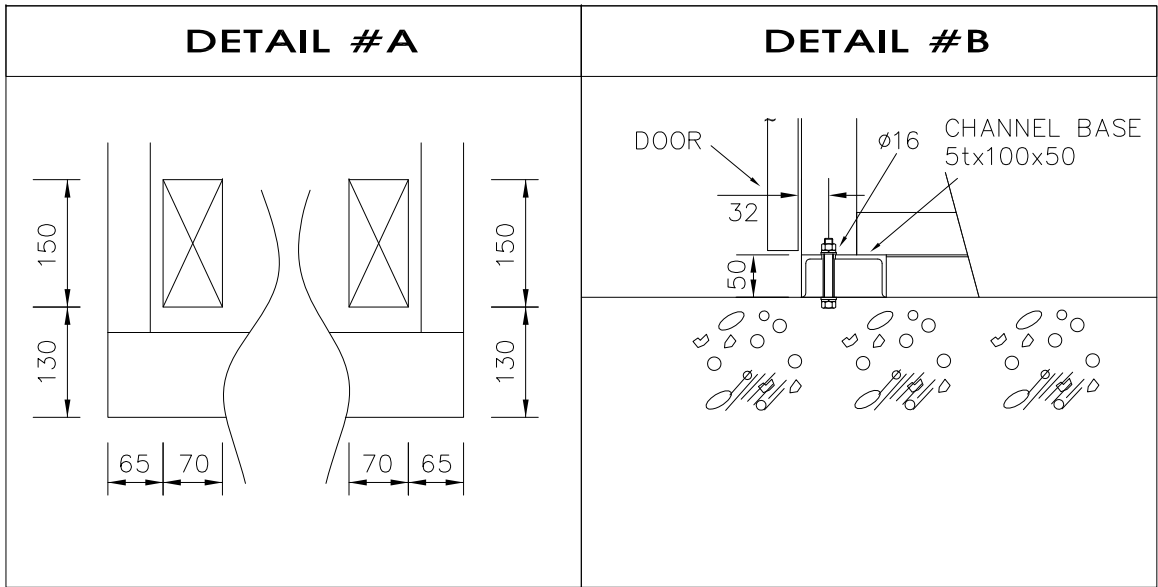


SIDE VIEW

SIDE VIEW



BASE VIEW



NOTE

- PANEL TYPE : INDOOR
- S/S : SHIPPING SPLIT
- THICKNESS OF MATERIAL
 - MATERIAL : SPCC
 - FRAME: 3.2mm & 2.3mm
 - FRONT DOOR: 3.2mm
 - REAR DOOR: 3.2mm
 - SIDE PLATES: 2.3mm
 - TOP & BOTTOM PLATE: 2.3mm
 - BASE CHANNEL: 5tx100x50
- ▼ : SHOWS SHIPPING SPLIT
- PANEL SIZE
 - LV PANEL : 800(W)x2350(H)x1500(D)
 - VFD PANEL : 800(W)x2350(H)x1000(D)
- PROTECTION GRADE OF ENCLOSURE
 - INDOOR : IP21, Form3b
- ELECTROSTATIC POWDER COATING
 - PAINTING COLOR: 5Y 7/1
 - THICKNESS:MIN. 60um
- Q'TY
 - LV PANEL : 46 PNL
 - VFD PANEL : 46 PNL

AS BUILT

Rev	Description	Drawn	Checked	Approved	Date
1	AS BUILT	GS, Hwang	IY, Ryu	-	July, 25, 2017

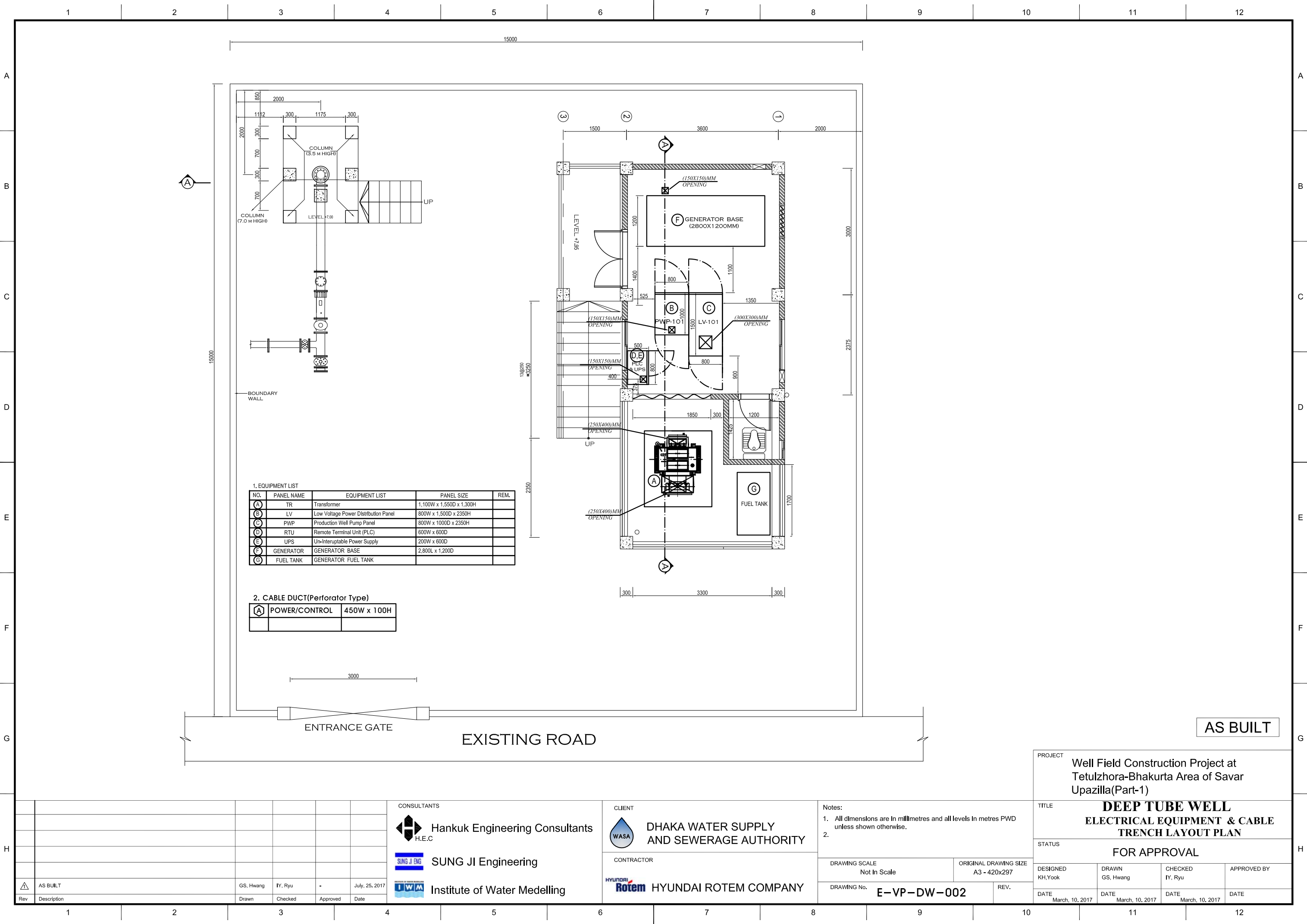
CONSULTANTS
Hankuk Engineering Consultants H.E.C
SUNG JI Engineering
Institute of Water Medelling

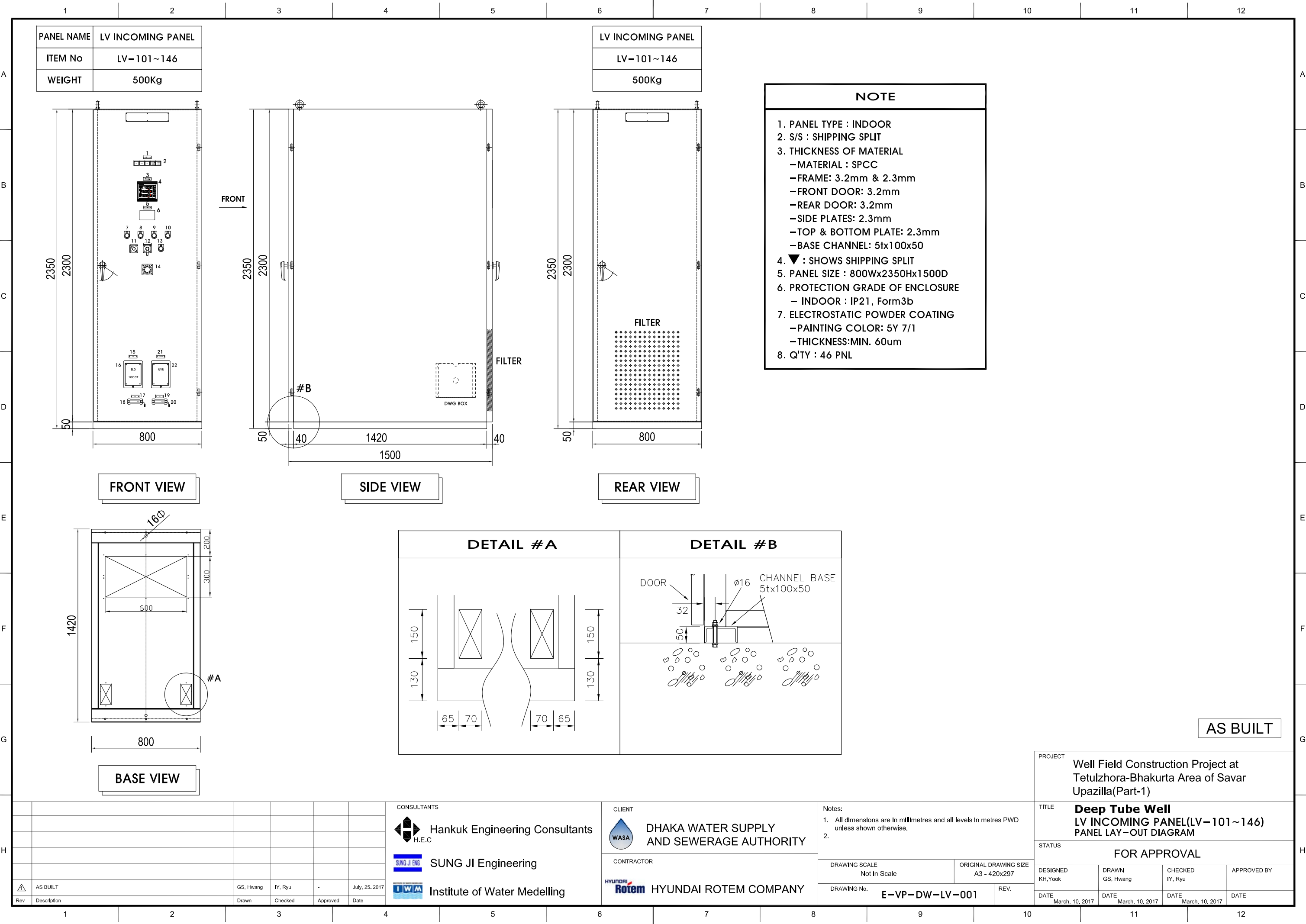
CLIENT
DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY
CONTRACTOR
HYUNDAI ROTEM COMPANY

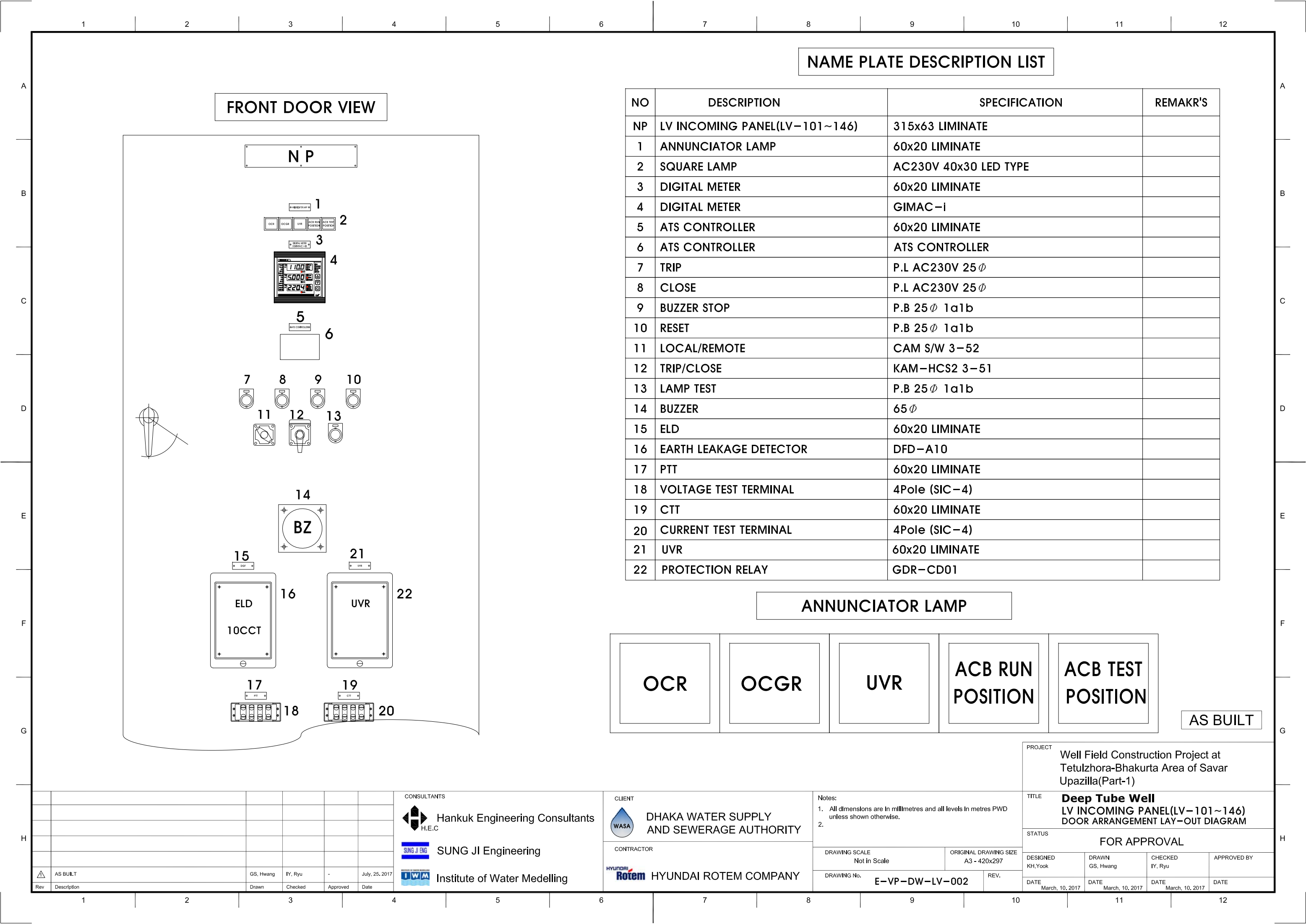
Notes:
 1. All dimenstons are in millimetres and all levels in metres PWD unless shown otherwise.
 2.

DRAWING SCALE	ORIGINAL DRAWING SIZE
Not in Scale	A3 - 420x297
DRAWING No.	REV.
E-VP-DW-003	

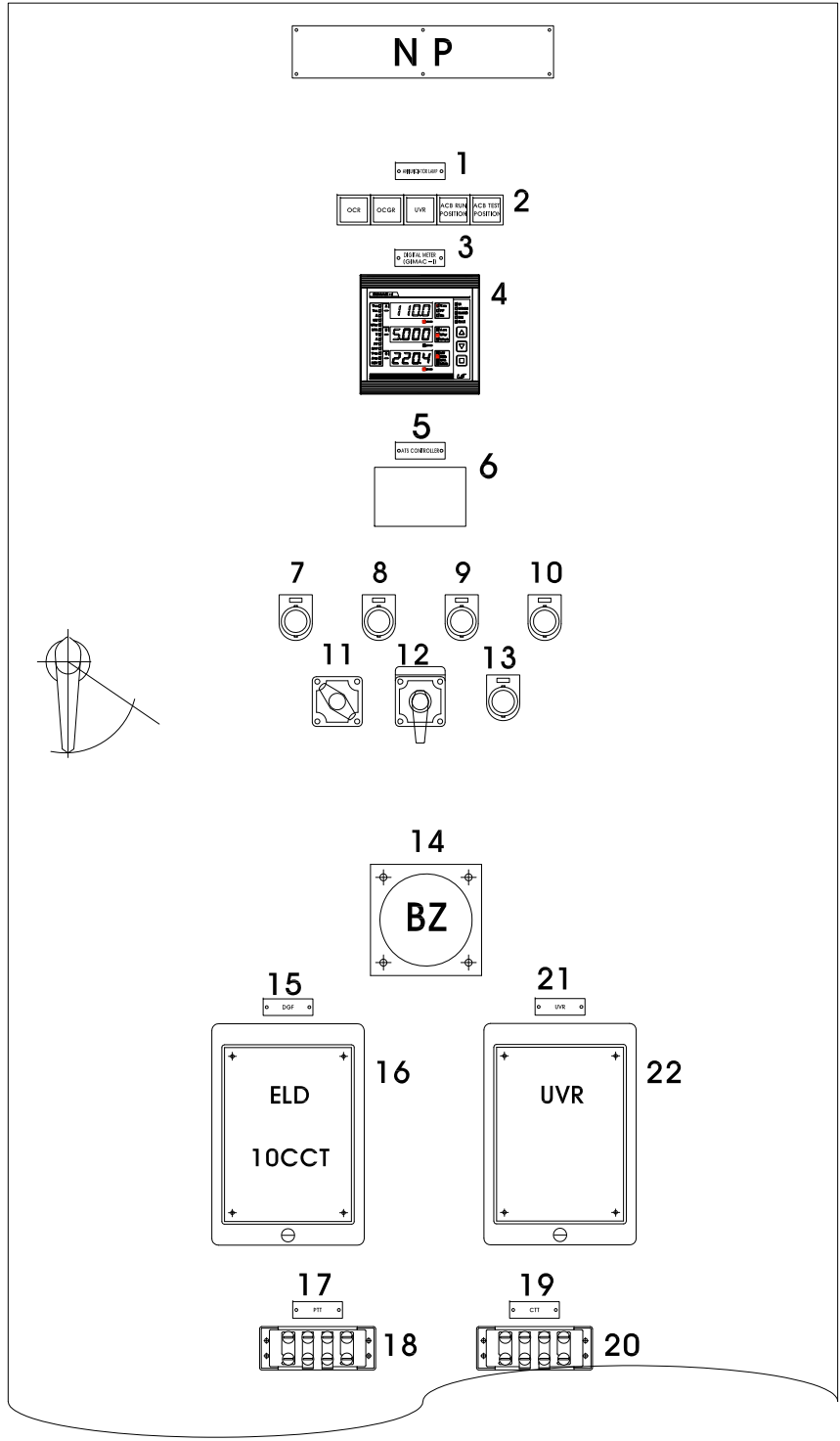
PROJECT	Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1)		
TITLE	Deep Tube Well PANEL LAY-OUT DIAGRAM		
STATUS	FOR APPROVAL		
DESIGNED	DRAWN	CHECKED	APPROVED BY
KH,Yook	GS, Hwang	IY, Ryu	
DATE	DATE	DATE	DATE
March, 10, 2017	March, 10, 2017	March, 10, 2017	







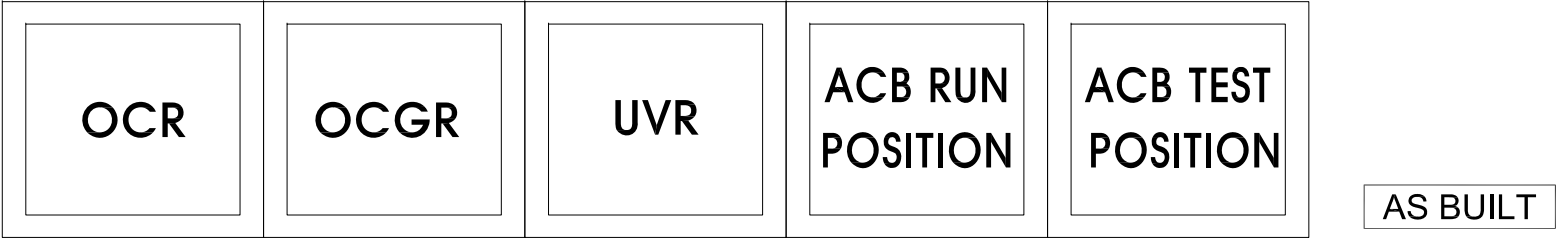
FRONT DOOR VIEW



NAME PLATE DESCRIPTION LIST

NO	DESCRIPTION	SPECIFICATION	REMAKR'S
NP	LV INCOMING PANEL(LV-101~146)	315x63 LIMINATE	
1	ANNUNCIATOR LAMP	60x20 LIMINATE	
2	SQUARE LAMP	AC230V 40x30 LED TYPE	
3	DIGITAL METER	60x20 LIMINATE	
4	DIGITAL METER	GIMAC-i	
5	ATS CONTROLLER	60x20 LIMINATE	
6	ATS CONTROLLER	ATS CONTROLLER	
7	TRIP	P.L AC230V 25 ∅	
8	CLOSE	P.L AC230V 25 ∅	
9	BUZZER STOP	P.B 25 ∅ 1α1b	
10	RESET	P.B 25 ∅ 1α1b	
11	LOCAL/REMOTE	CAM S/W 3-52	
12	TRIP/CLOSE	KAM-HCS2 3-51	
13	LAMP TEST	P.B 25 ∅ 1α1b	
14	BUZZER	65 ∅	
15	ELD	60x20 LIMINATE	
16	EARTH LEAKAGE DETECTOR	DFD-A10	
17	PTT	60x20 LIMINATE	
18	VOLTAGE TEST TERMINAL	4Pole (SIC-4)	
19	CTT	60x20 LIMINATE	
20	CURRENT TEST TERMINAL	4Pole (SIC-4)	
21	UVR	60x20 LIMINATE	
22	PROTECTION RELAY	GDR-CD01	

ANNUNCIATOR LAMP



Rev	Description	Drawn	Checked	Approved	Date
1	AS BUILT	GS, Hwang	IY, Ryu	-	July, 25, 2017

CONSULTANTS

 **Hankuk Engineering Consultants**
H.E.C

 **SUNG JI Engineering**

 **Institute of Water Medelling**

CLIENT

 **DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY**

CONTRACTOR

 **HYUNDAI ROTEM COMPANY**

Notes:

1. All dimenstons are in millimetres and all levels in metres PWD unless shown otherwise.

2.

DRAWING SCALE: Not in Scale

ORIGINAL DRAWING SIZE: A3 - 420x297

DRAWING No. **E-VP-DW-LV-002**

REV.

PROJECT				Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1)			
TITLE				Deep Tube Well LV INCOMING PANEL(LV-101~146) DOOR ARRANGEMENT LAY-OUT DIAGRAM			
STATUS				FOR APPROVAL			
DESIGNED KH,Yook	DRAWN GS, Hwang	CHECKED IY, Ryu	APPROVED BY	DESIGNED KH,Yook	DRAWN GS, Hwang	CHECKED IY, Ryu	APPROVED BY
DATE March, 10, 2017	DATE March, 10, 2017	DATE March, 10, 2017	DATE	DATE March, 10, 2017	DATE March, 10, 2017	DATE March, 10, 2017	DATE

FRONT SECTION VIEW

INSIDE SECTION VIEW

REAR VIEW

AS BUILT

Rev	Description	Drawn	Checked	Approved	Date
1	AS BUILT	GS, Hwang	IY, Ryu	-	July, 25, 2017

CONSULTANTS	
	Hankuk Engineering Consultants H.E.C
	SUNG JI Engineering
	Institute of Water Medelling

CLIENT	
	DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY
CONTRACTOR	
	HYUNDAI ROTEM COMPANY

Notes: 1. All dimenstons are in millimetres and all levels in metres PWD unless shown otherwise. 2.	
DRAWING SCALE Not in Scale	ORIGINAL DRAWING SIZE A3 - 420x297
DRAWING No. E-VP-DW-LV-003	REV.

PROJECT Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1)			
TITLE Deep Tube Well LV INCOMING PANEL(LV-101~146) PANEL SECTION DRAWING			
STATUS FOR APPROVAL			
DESIGNED KH,Yook	DRAWN GS, Hwang	CHECKED IY, Ryu	APPROVED BY
DATE March, 10, 2017	DATE March, 10, 2017	DATE March, 10, 2017	DATE

FROM : UPS CONTROL POWER
1 ϕ AC230V

T.B1
2P 50A

RC

TC

RC01

TC01

ELD (10CCT)

P0

P1

ACB
CONTROL
SOURCE

NRC

NNC

MCCB 2P
30AF 10AT

R04

T04

DOOR(FRONT)
LIMIT SW
LSF

1 2

1 2

FL

23W

DOOR(REAR)
LIMIT SW
LSR

1 2

1 2

FL

23W

TH
0~90°C

1 2

1 2

HEATER

100W

RC

TC

NRC

NNC

YTB
01

02

03

04

TO : PWP-IP01~IP46

TO : PWP-IP01~IP46

PRODUCTION WELL PUMP PNL

AS BUILT

CONSULTANTS



Hankuk Engineering Consultants



SUNG JI Engineering



Institute of Water Medelling

CLIENT



DHAKA WATER SUPPLY
AND SEWERAGE AUTHORITY

CONTRACTOR



HYUNDAI ROTEM COMPANY

Notes:

- All dimenstons are in millimetres and all levels in metres PWD unless shown otherwise.
-

DRAWING SCALE

Not in Scale

ORIGINAL DRAWING SIZE

A3 - 420x297

DRAWING No.

E-VP-DW-LV-005

REV.

PROJECT

Well Field Construction Project at
Tetulzhora-Bhakurta Area of Savar
Upazilla(Part-1)

TITLE

Deep Tube Well
LV INCOMING PANEL(LV- 101~146)
CONTROL POWER DIAGRAM

STATUS

FOR APPROVAL

DESIGNED

KH,Yook

DRAWN

GS, Hwang

CHECKED

IY, Ryu

APPROVED BY

DATE

March, 10, 2017

DATE

March, 10, 2017

DATE

March, 10, 2017

DATE

Rev

Description

Drawn

Checked

Approved

Date

Rev

Description

Drawn

Checked

Approved

Date

Rev

Description

Drawn

Checked

Approved

Date

Rev

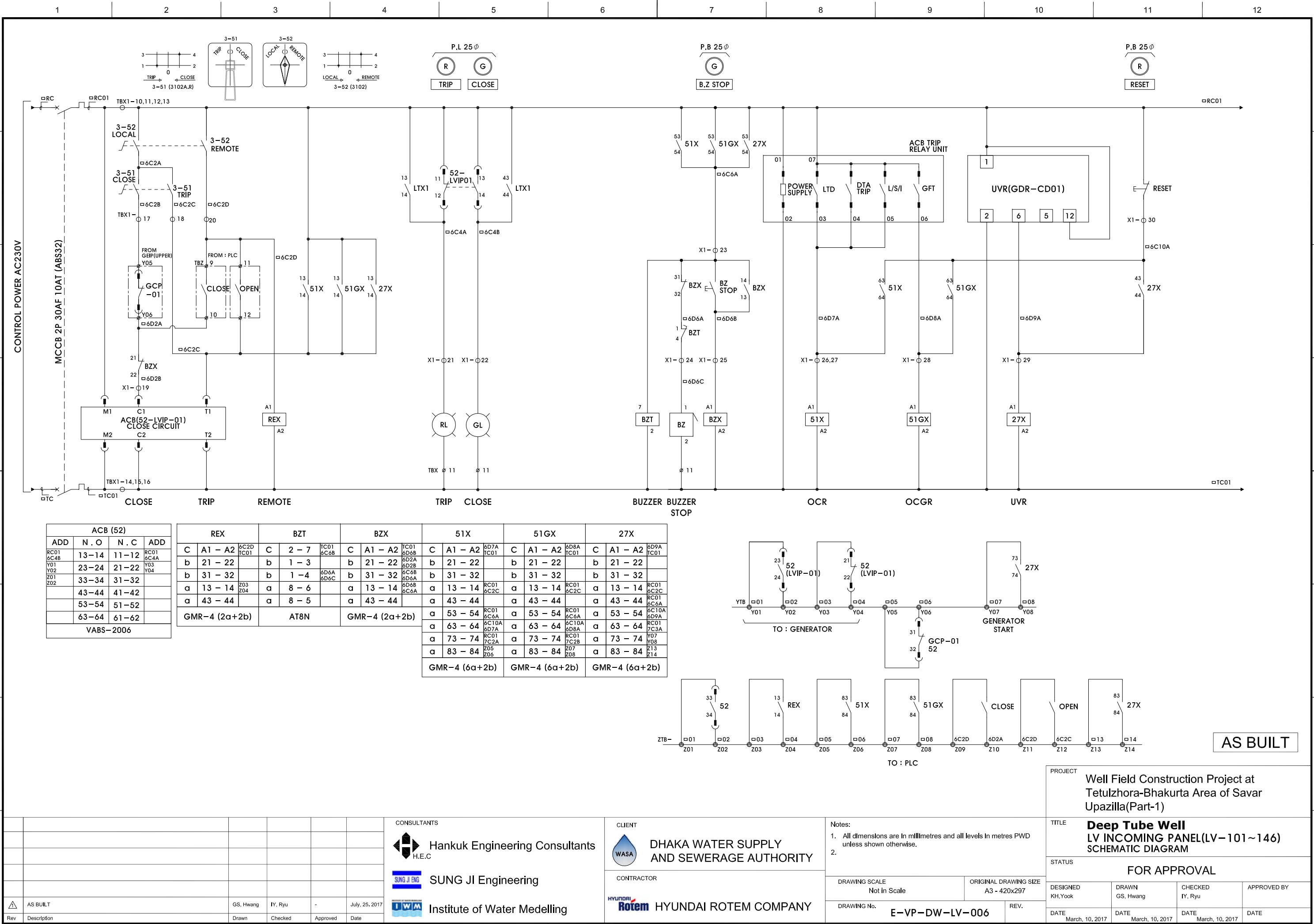
Description

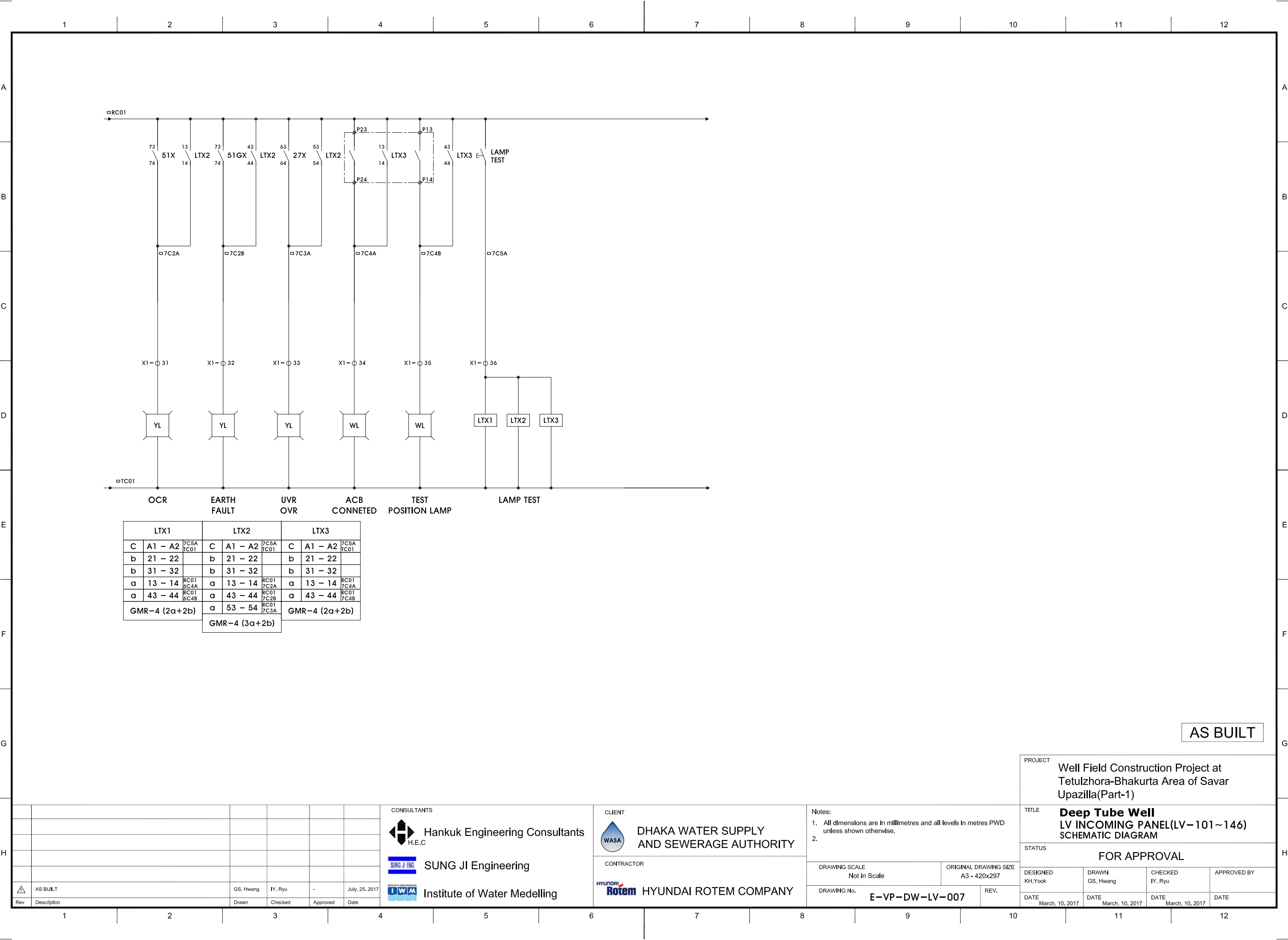
Drawn

Checked

Approved

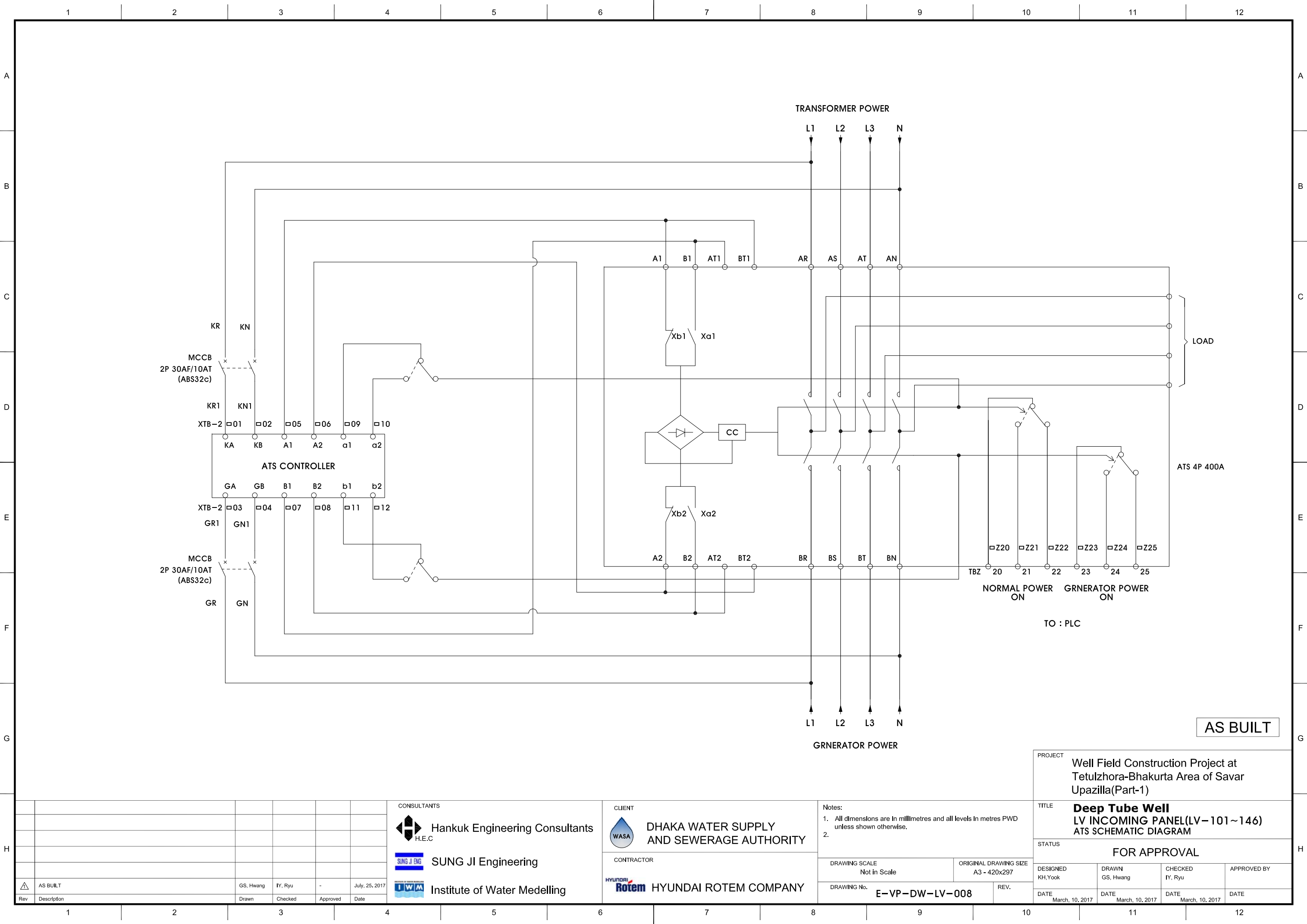
Date



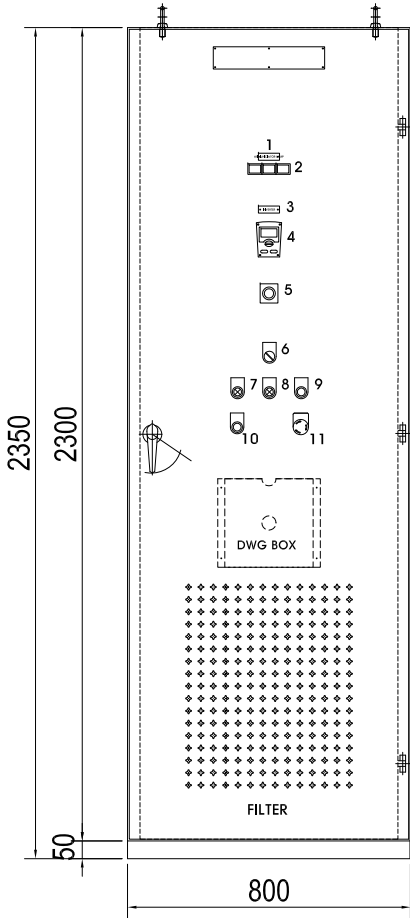


AS BUILT

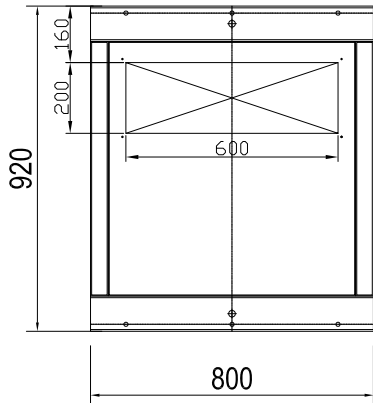
PROJECT				Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1)			
TITLE				Deep Tube Well LV INCOMING PANEL(LV-101~146) SCHEMATIC DIAGRAM			
STATUS				FOR APPROVAL			
DESIGNED		DRAWN		CHECKED		APPROVED BY	
KH, Yook		GS, Hwang		IY, Ryu			
DATE		DATE		DATE		DATE	
March, 10, 2017		March, 10, 2017		March, 10, 2017			



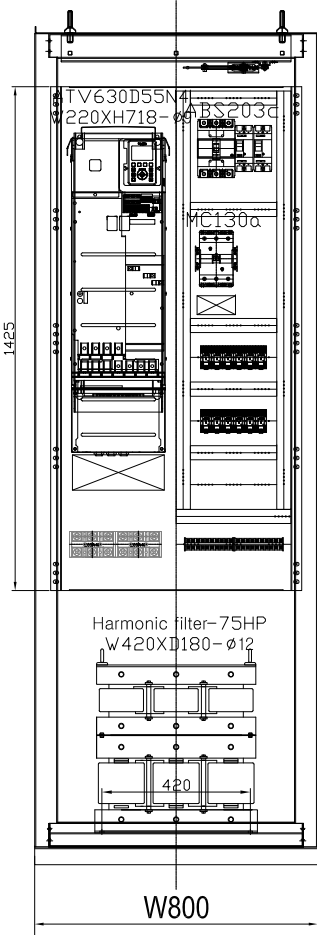
ITEM No	PWP-IP01~IP46
PANEL NAME	PRODUCTTION WELL PUMP PANEL



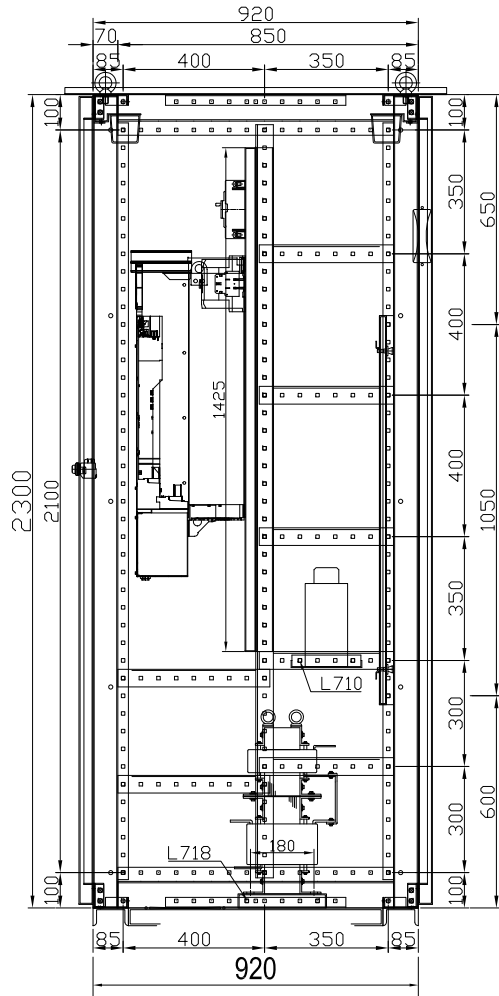
FRONT VIEW



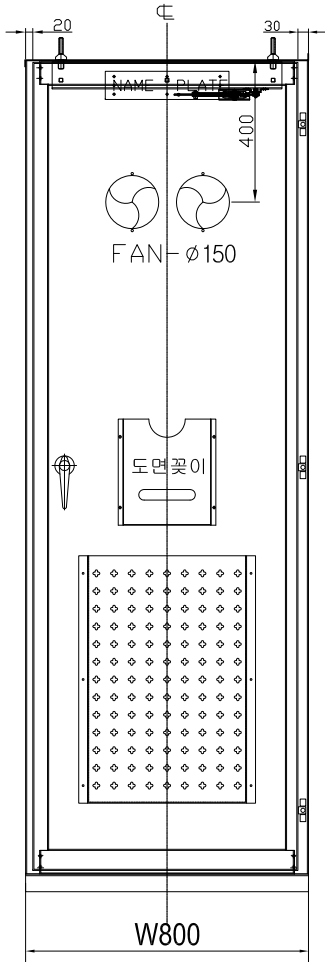
BASE VIEW



FRONT SECTION VIEW



INSIDE SECTION VIEW

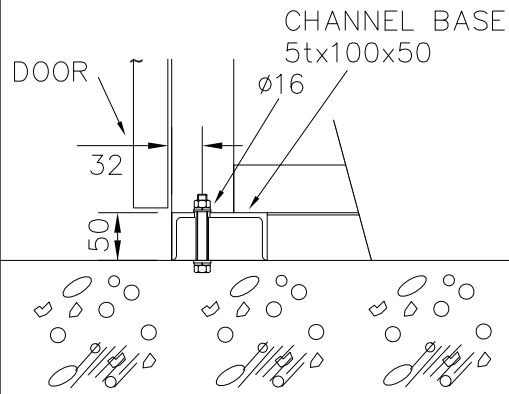


REAR VIEW

NOTE

- PANEL TYPE : INDOOR
- S/S : SHIPPING SPLIT
- THICKNESS OF MATERIAL
 - MATERIAL : SPCC
 - FRAME: 3.2mm & 2.3mm
 - FRONT DOOR: 3.2mm
 - REAR DOOR: 3.2mm
 - SIDE PLATES: 2.3mm
 - TOP & BOTTOM PLATE: 2.3mm
 - BASE CHANNEL: 5t×100×50
- ▼ : SHOWS SHIPPING SPLIT
- PANEL SIZE : 800W×2350H×1000D
- PROTECTION GRADE OF ENCLOSURE
 - INDOOR : IP21
- ELECTROSTATIC POWDER COATING
 - PAINTING COLOR: 5Y 7/1
 - THICKNESS:MIN. 60um
- Q'TY : 46 PNLS

DETAIL #A



AS BUILT

	AS BUILT	GS, Hwang	IY, Ryu	-	July, 25, 2017
Rev	Description	Drawn	Checked	Approved	Date

CONSULTANTS



Hankuk Engineering Consultants



SUNG JI Engineering



Institute of Water Medelling

CLIENT



DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY

CONTRACTOR



HYUNDAI ROTEM COMPANY

Notes:

- All dimenstons are in millimetres and all levels in metres PWD unless shown otherwise.
-

DRAWING SCALE
Not in Scale

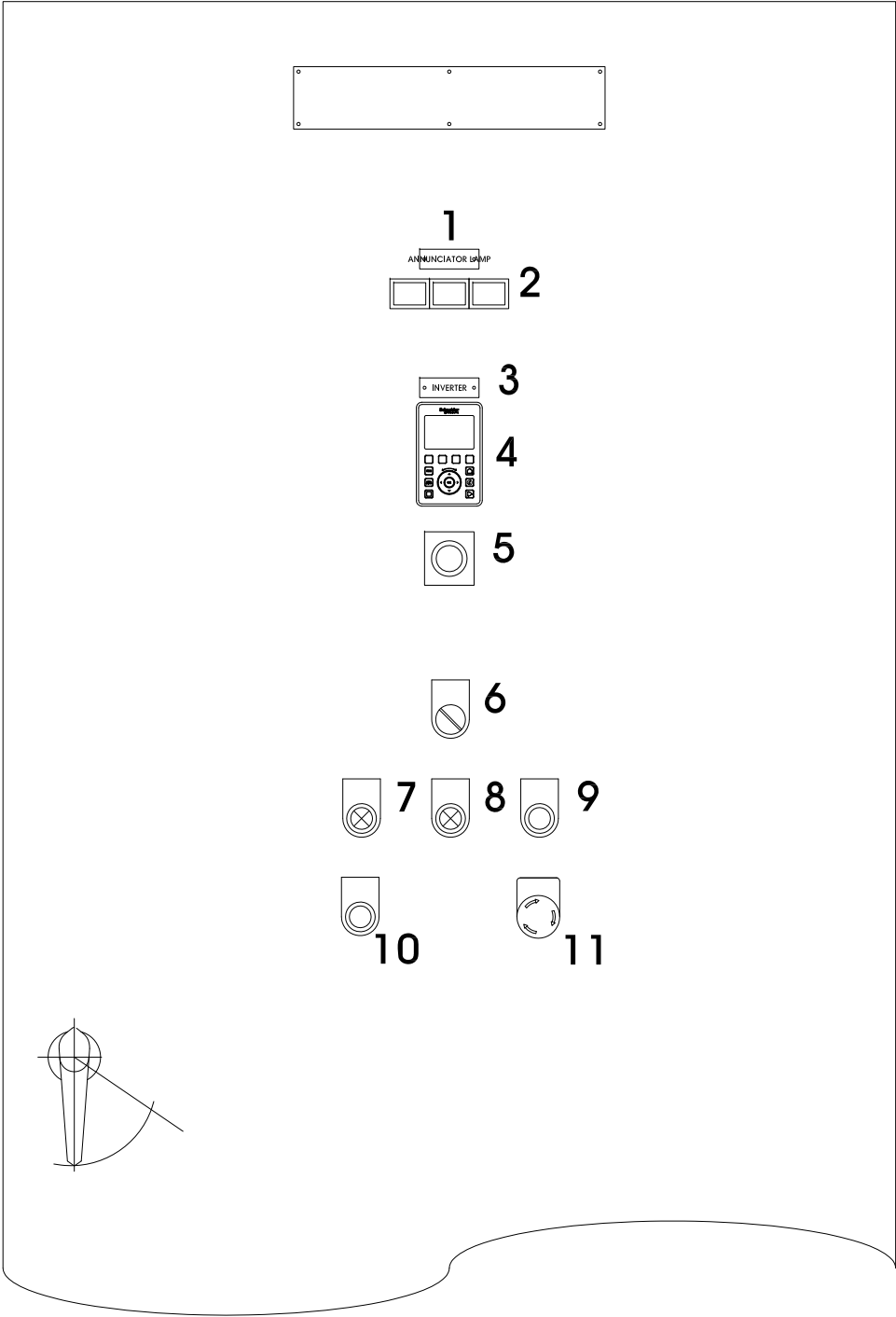
ORIGINAL DRAWING SIZE
A3 - 420x297

DRAWING No. E-VP-DW-VFD-001

REV.

PROJECT Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1)			
TITLE Deep Tube Well PRODUCTTION WELL PUMP PANEL(PWP-IP01~IP46) PANEL LAY-OUT DIAGRAM			
STATUS FOR APPROVAL			
DESIGNED KH,Yook	DRAWN GS, Hwang	CHECKED IY, Ryu	APPROVED BY
DATE March, 10, 2017	DATE March, 10, 2017	DATE March, 10, 2017	DATE

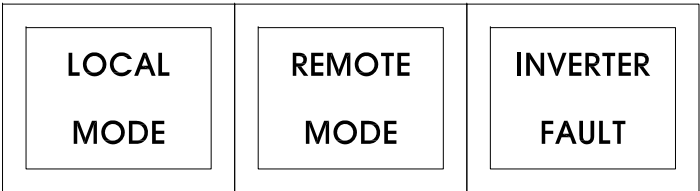
FRONT DOOR VIEW



NAME PLATE DESCRIPTION LIST

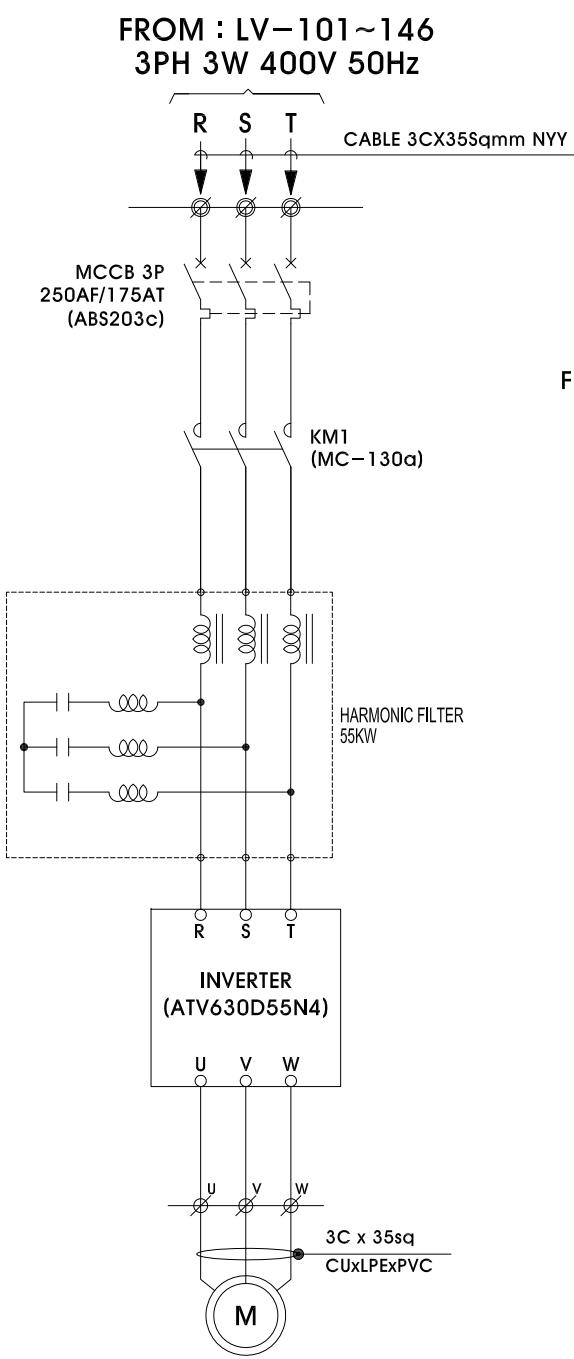
NO	DESCRIPTION	SPECIFICATION	REMAKR'S
NP	PRODUCTCTON WELL PUMP PANEL(PWP-IP01~IP46)	315x63 LIMINATE	
1	ANNUNCIATOR LAMP	60x20 LIMINATE	
2	SQUARE LAMP	AC230V 40x30 LED TYPE	
3	INVERTER	60x20 LIMINATE	
4	VSD DISPLAY REMOTE KIT	ATV630D55N4	
5	VSD VOLUME	9 ∅	
6	PANEL/REMOTE	SELECTOR S/W 25 ∅ 1a1b	
7	STOP	P.B.L AC230V 25 ∅ 1a1b LED TYPE	
8	RUN	P.B.L AC230V 25 ∅ 1a1b LED TYPE	
9	FAULT/RESET	P.B 25 ∅ 1a1b	
10	LAMP TEST	P.B 25 ∅ 1a1b	
11	EMERGENCY STOP	P.B 25 ∅ 1a1b	

ANNUNCIATOR LAMP

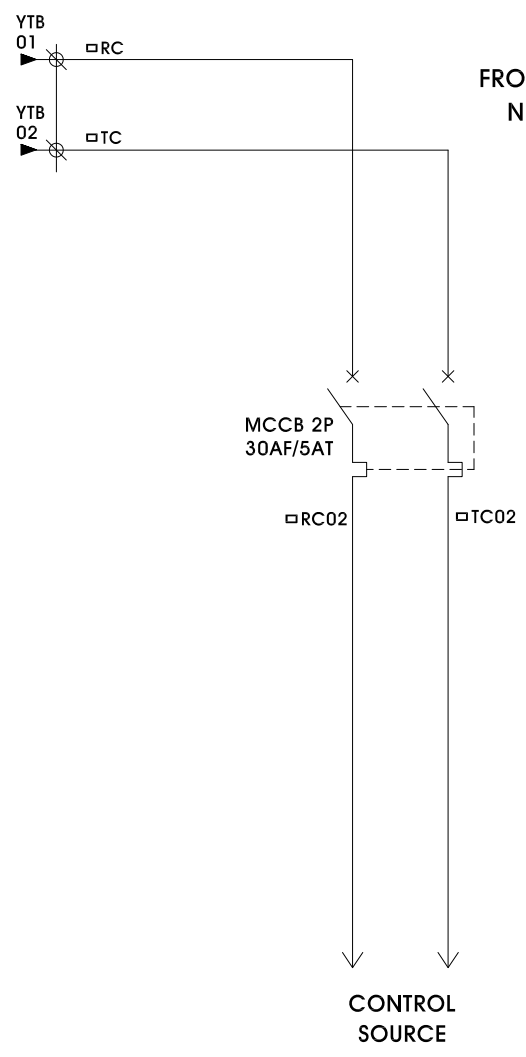


AS BUILT

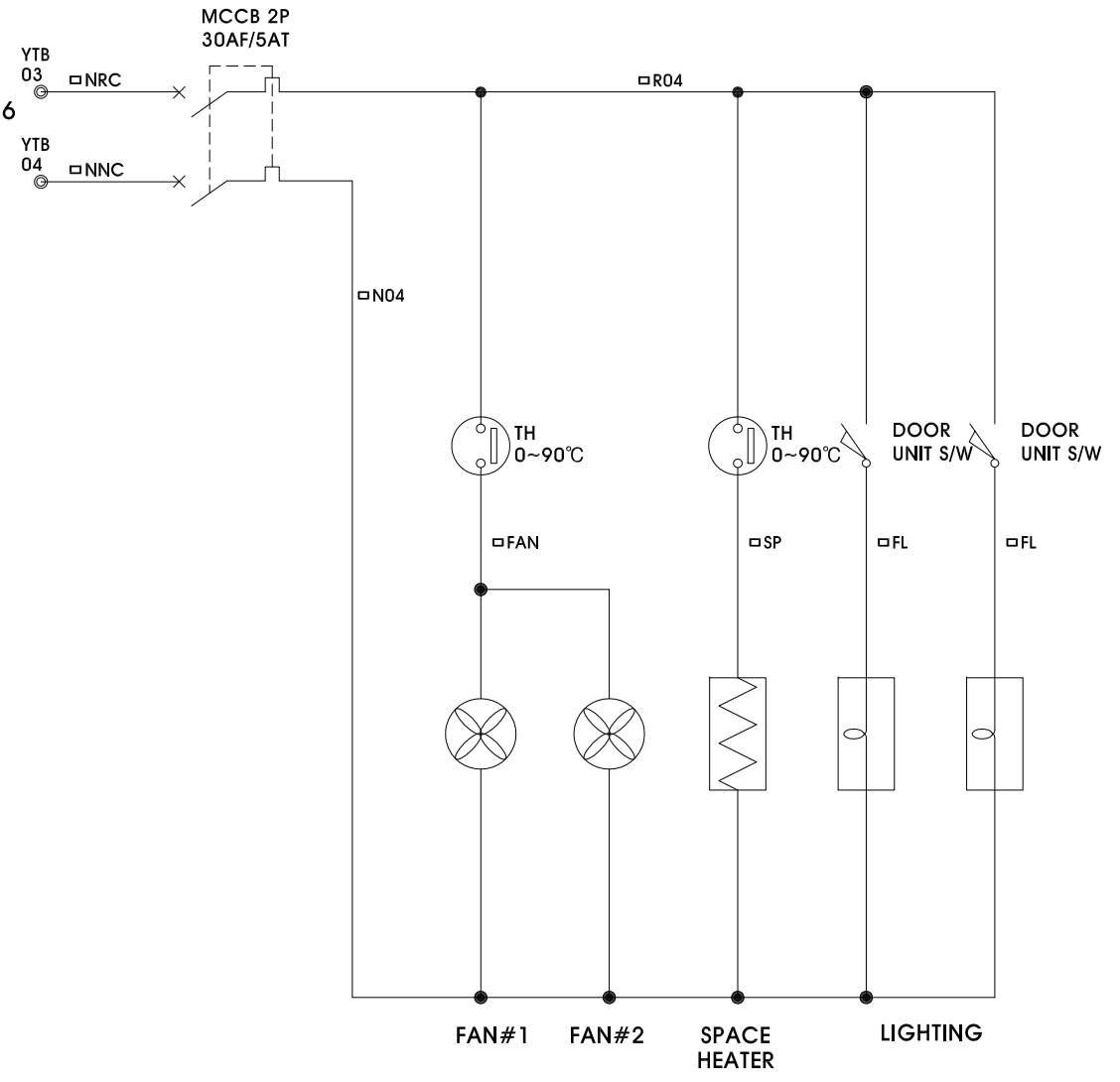
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



FROM : LV-101~146
CONTROL POWER
AC 1 ϕ 230V
(UPS POWER)



FROM : LV-101~146
NORMAL POWER
AC 1 ϕ 230V



TAG NO	PWP-IP01~IP46
LOAD NAME	PRODUCTTION WELL PUMP PANEL
CAPACITY(KW)	3 ϕ 400V 55kW

AS BUILT

Rev	Description	Drawn	Checked	Approved	Date
1	AS BUILT	GS, Hwang	IY, Ryu	-	July, 25, 2017

CONSULTANTS  Hankuk Engineering Consultants H.E.C.  SUNG JI Engineering  Institute of Water Medelling		CLIENT  DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY CONTRACTOR  HYUNDAI ROTEM COMPANY		Notes: 1. All dimenstons are in millimetres and all levels in metres PWD unless shown otherwise. 2. DRAWING SCALE Not in Scale ORIGINAL DRAWING SIZE A3 - 420x297 DRAWING No. E-VP-DW-VFD-003 REV.		PROJECT Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1) TITLE Deep Tube Well PRODUCTTION WELL PUMP PANEL(PWP-IP01~IP46) THREE LINE DIAGRAM STATUS FOR APPROVAL <table><tr><td>DESIGNED KH,Yook</td><td>DRAWN GS, Hwang</td><td>CHECKED IY, Ryu</td><td>APPROVED BY</td></tr><tr><td>DATE March, 10, 2017</td><td>DATE March, 10, 2017</td><td>DATE March, 10, 2017</td><td>DATE</td></tr></table>		DESIGNED KH,Yook	DRAWN GS, Hwang	CHECKED IY, Ryu	APPROVED BY	DATE March, 10, 2017	DATE March, 10, 2017	DATE March, 10, 2017	DATE
DESIGNED KH,Yook	DRAWN GS, Hwang	CHECKED IY, Ryu	APPROVED BY												
DATE March, 10, 2017	DATE March, 10, 2017	DATE March, 10, 2017	DATE												

