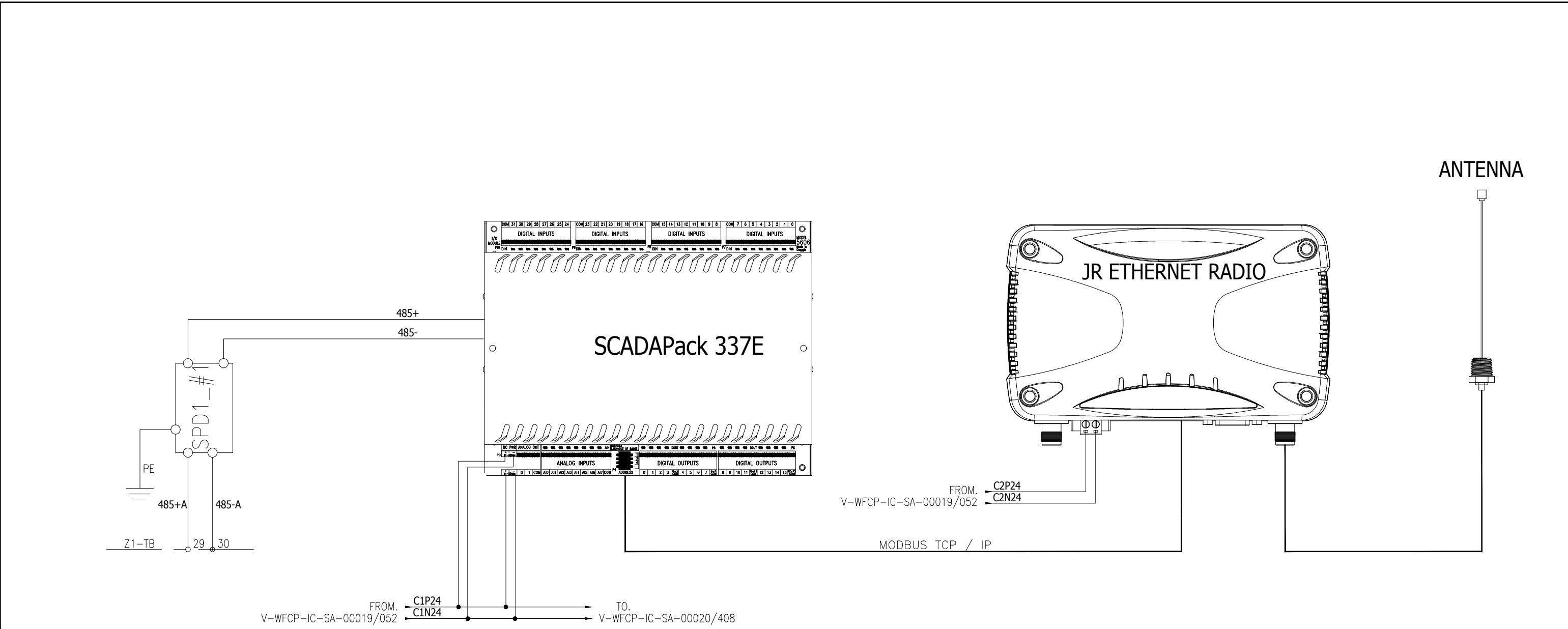


DTW RTU (PLC) (RTU-101 ~ 146)

INTERNAL WIRING CONNECTION DIAGRAM

						CONSULTANTS		CLIENT		Notes: 1. All dimensions are in millimetres and all levels in metres PWD unless shown otherwise.		INTERNAL WIRING CONNECTION DIAGRAM									
						 H.E.C Hangkuk Engineering Consultants		 DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY													
						 SUNG JI Engineering		CONTRACTOR		DRAWING SCALE Not in Scale		ORIGINAL DRAWING SIZE A3 - 420x297		DRAWN S. Y. Park		CHECKED S. Y. Park		REVIEWED M.S. Kim		APPROVED BY S.Y. Bae	
						 Institute of Water Medelling		 HYUNDAI ROTEM COMPANY		DRAWING No. V-WFCP-IC-SA-00020 / 406		REV. A									
A	FOR APPROVAL					KY.KANG	SH.SHIN	JW.PARK	29,NOV,2016	DATE 29, NOV. 2016		DATE 29, NOV. 2016		DATE 29, NOV. 2016		DATE 29, NOV. 2016		DATE 29, NOV. 2016		DATE 29, NOV. 2016	
Rev	Description					Drawn	Checked	Approved	Date												



A	FOR APPROVAL	KY.KANG	SH.SHIN	JW.PARK	29.NOV.2016
Rev	Description	Drawn	Checked	Approved	Date

CONSULTANTS

Hanguk 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 dimensions are in millimetres and all levels in metres PWD unless shown otherwise.

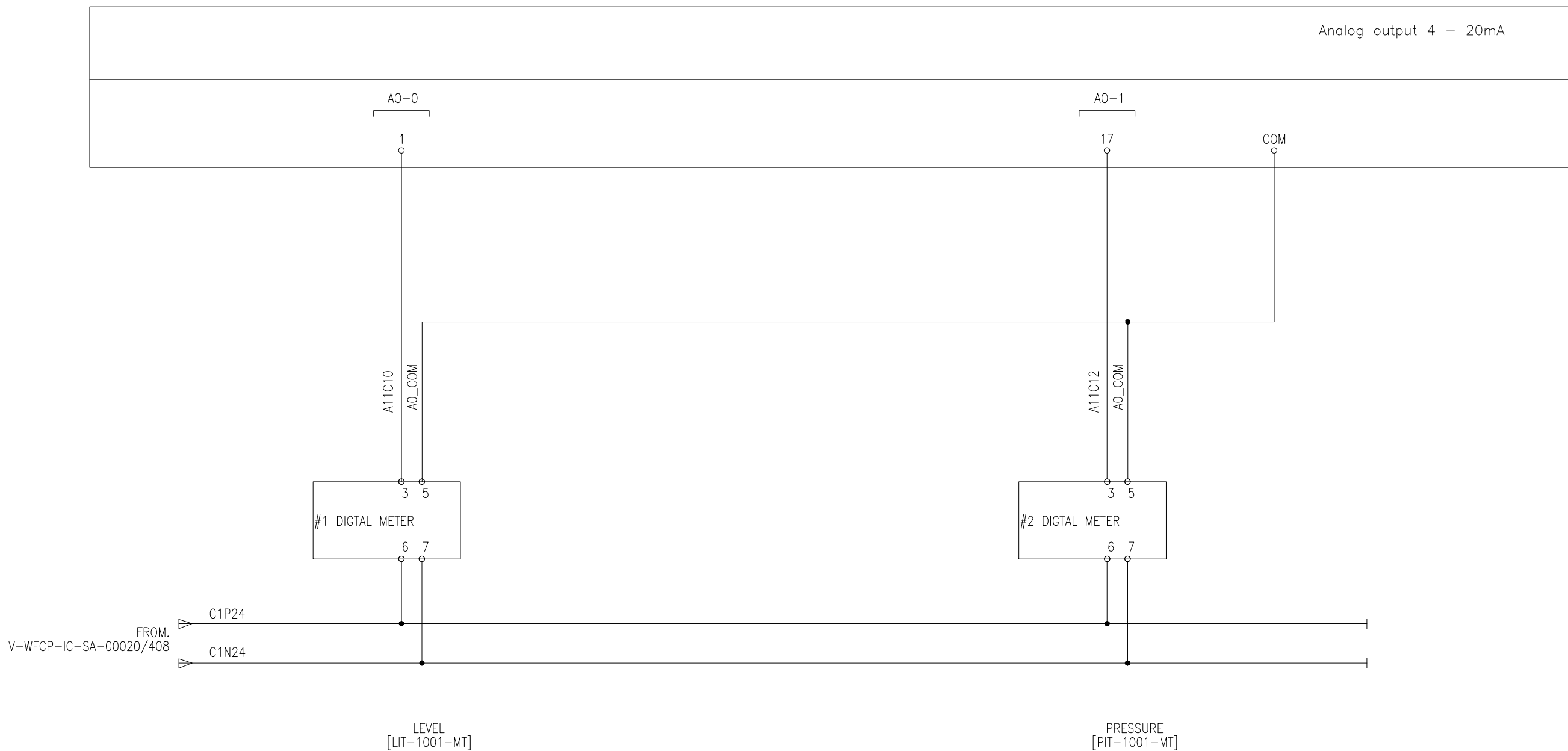
DRAWING SCALE
Not in Scale

ORIGINAL DRAWING SIZE
A3 - 420x297

DRAWING No.
V-WFCP-IC-SA-00020/407

REV.
A

PROJECT Construction of Well Field at Tetulzhora-Bhakurta Area			
TITLE DTW RTU (PLC) (RTU-101 ~ 146) INTERNAL WIRING CONNECTION DIAGRAM			
STATUS ISSUED FOR CONSTRUCTION			
DRAWN S. Y. Park	CHECKED S. Y. Park	REVIEWED M.S. Kim	APPROVED BY S.Y. Bae
			
DATE 29, NOV, 2016	DATE 29, NOV, 2016	DATE 29, NOV, 2016	DATE 29, NOV, 2016



A	FOR APPROVAL	KY.KANG	SH.SHIN	JW.PARK	29.NOV.2016
Rev	Description	Drawn	Checked	Approved	Date

CONSULTANTS

Hanguk 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 dimensions are in millimetres and all levels in metres PWD unless shown otherwise.

DRAWING SCALE
Not in Scale

ORIGINAL DRAWING SIZE
A3 - 420x297

DRAWING No.
V-WFCP-IC-SA-00020/ 409

REV.
A

PROJECT

Construction of Well Field at Tetulzhora-Bhakurta Area

TITLE

DTW RTU (PLC) (RTU-101 ~ 146)
INTERNAL WIRING CONNECTION DIAGRAM

STATUS

ISSUED FOR CONSTRUCTION

DRAWN
S. Y. Park

CHECKED
S. Y. Park

REVIEWED
M.S. Kim

APPROVED BY
S.Y. Bae







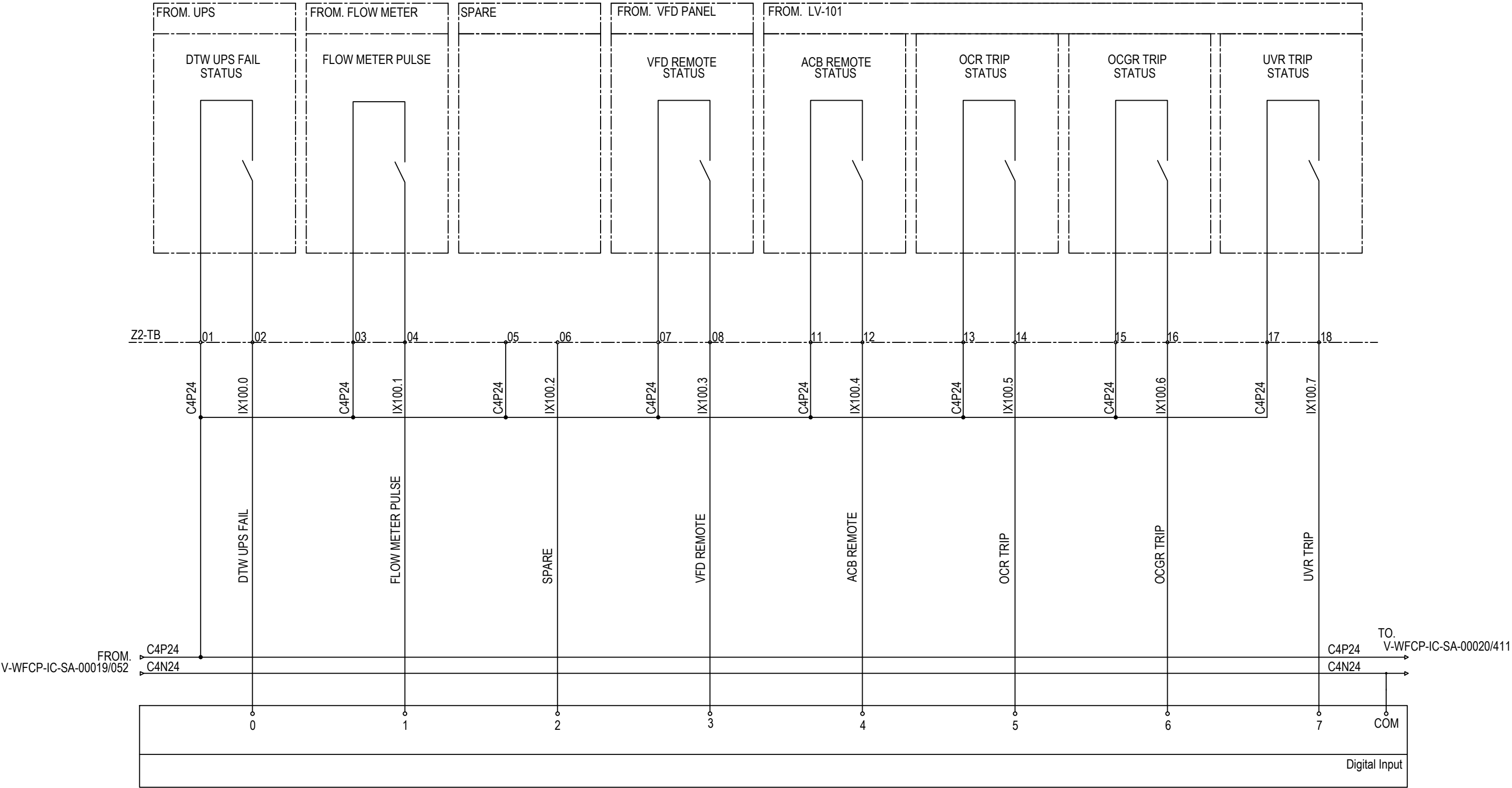


DATE
29, NOV, 2016

DATE
29, NOV, 2016

DATE
29, NOV, 2016

DATE
29, NOV, 2016

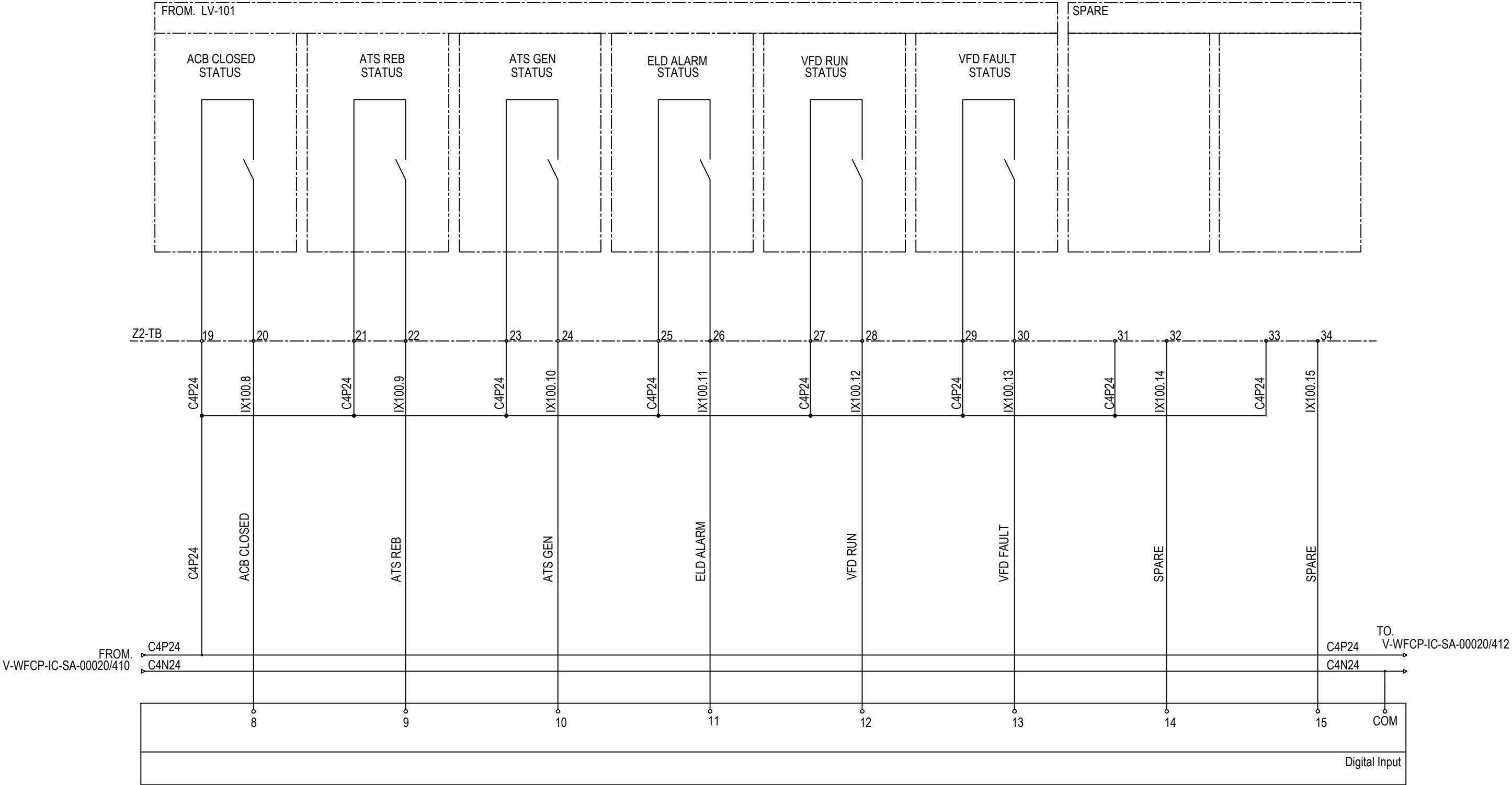


AS BUILT

Construction of Well Field at Tetuizhora - Bhakurta Area

DTW RTU (PLC) (RTU 101 - 146)
INTERNAL WIRING CONNECTION DIAGRAM

V-WFCP-IC-SA-00020/410

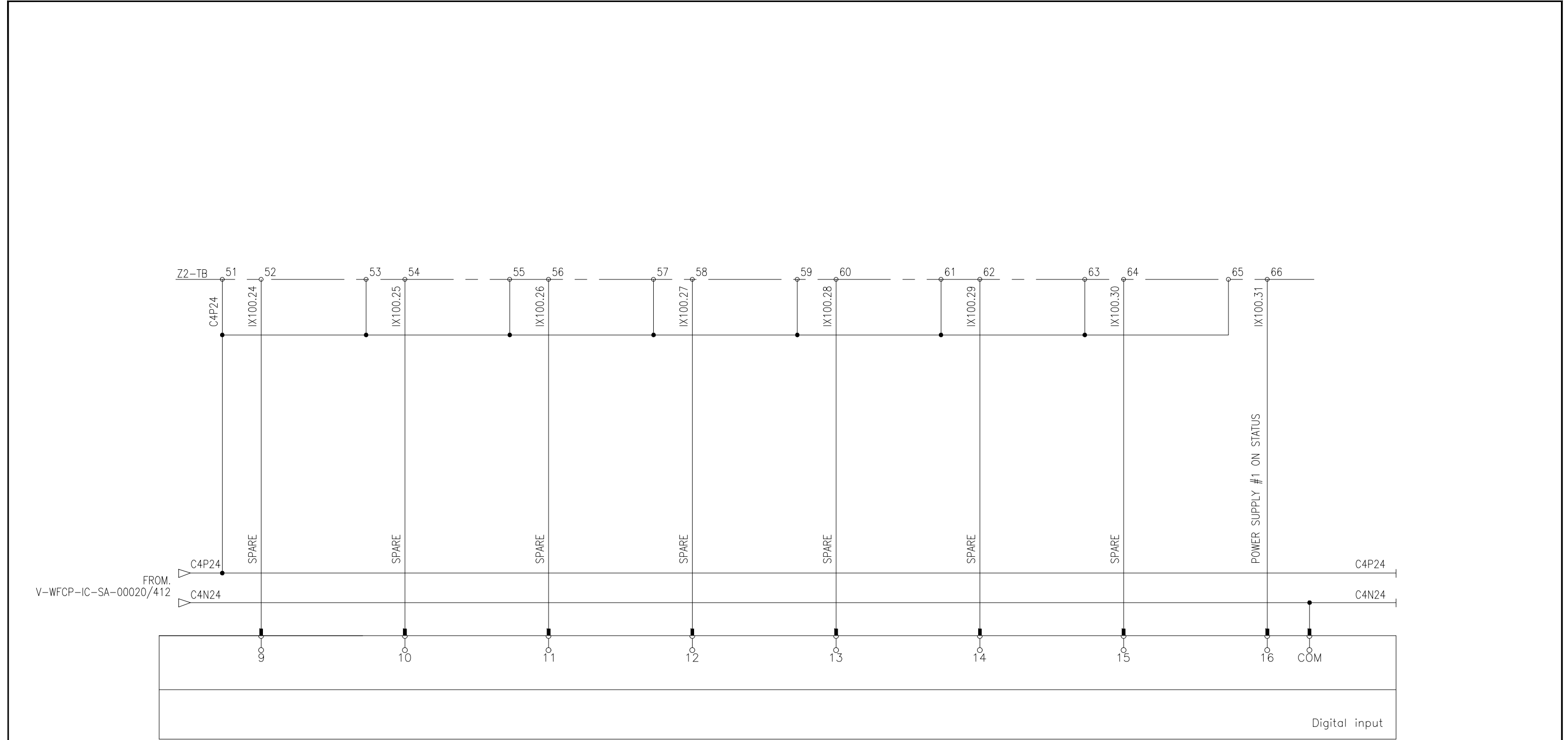


AS BUILT

Construction of Well Field at Tetuizhora - Bhakurta Area

DTW RTU (PLC) (RTU 101 - 146)
INTERNAL WIRING CONNECTION DIAGRAM

V-WFCP-IC-SA-00020/411



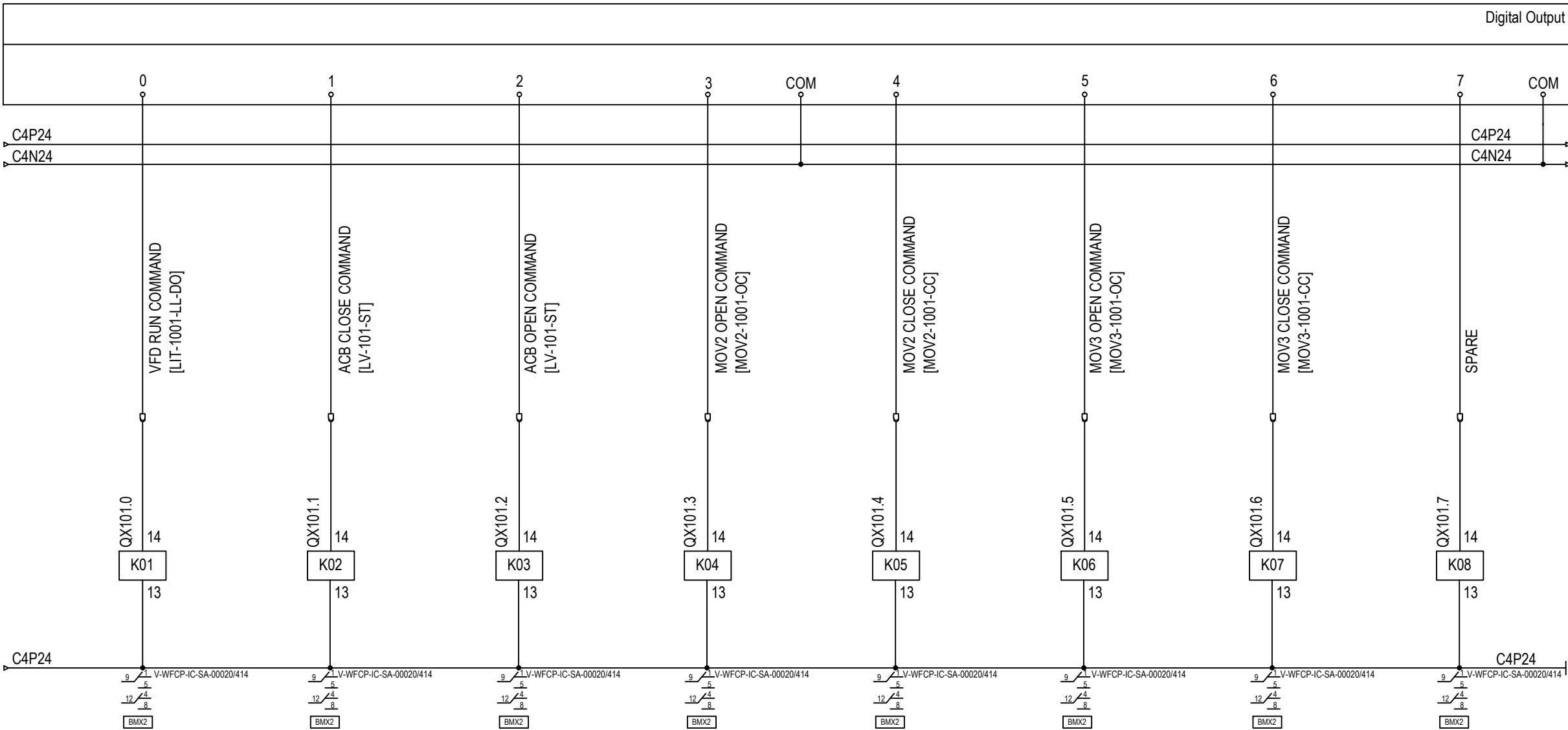
PROJECT Construction of Well Field at Tetulzhora-Bhakurta Area									
TITLE DTW RTU (PLC) (RTU-101 ~ 146) INTERNAL WIRING CONNECTION DIAGRAM									
STATUS ISSUED FOR CONSTRUCTION									
DRAWN S. Y. Park		CHECKED S. Y. Park		REVIEWED M.S. Kim		APPROVED BY S.Y. Bae			
									
DATE 29, NOV, 2016		DATE 29, NOV, 2016		DATE 29, NOV, 2016		DATE 29, NOV, 2016			

CONSULTANTS						CLIENT					
 Hanguk Engineering Consultants						 DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY					
 SUNG JI Engineering						CONTRACTOR					
 Institute of Water Medelling						 HYUNDAI ROTEM COMPANY					

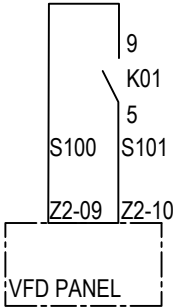
Notes:						DRAWING SCALE Not in Scale			
1. All dimensions are in millimetres and all levels in metres PWD unless shown otherwise.						ORIGINAL DRAWING SIZE A3 - 420x297			
DRAWING No. V-WFCP-IC-SA-00020/ 413						REV. A			

FOR APPROVAL						DATE			
A		KY.KANG		SH.SHIN		JW.PARK		29,NOV,2016	
Rev	Description	Drawn	Checked	Approved	Date				

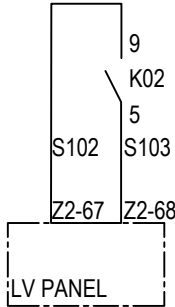
FROM. V-WFCP-IC-SA-00019/052 C4P24 C4N24 TO. V-WFCP-IC-SA-00020/415 C4P24 C4N24



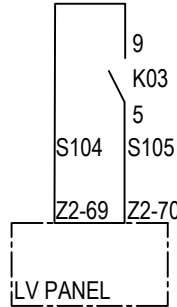
VFD RUN COMMAND
[LIT-1001-LL-DO]



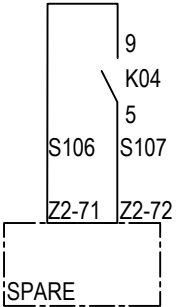
ACB CLOSE COMMAND
[LV-101-ST]



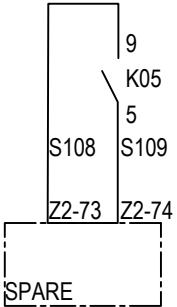
ACB OPEN COMMAND
[LV-101-SP]



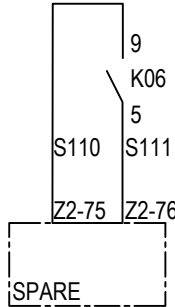
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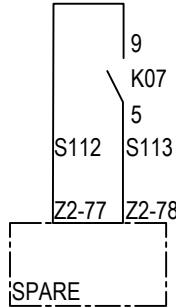
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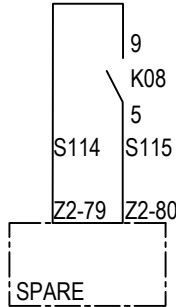
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SPARE



SPARE

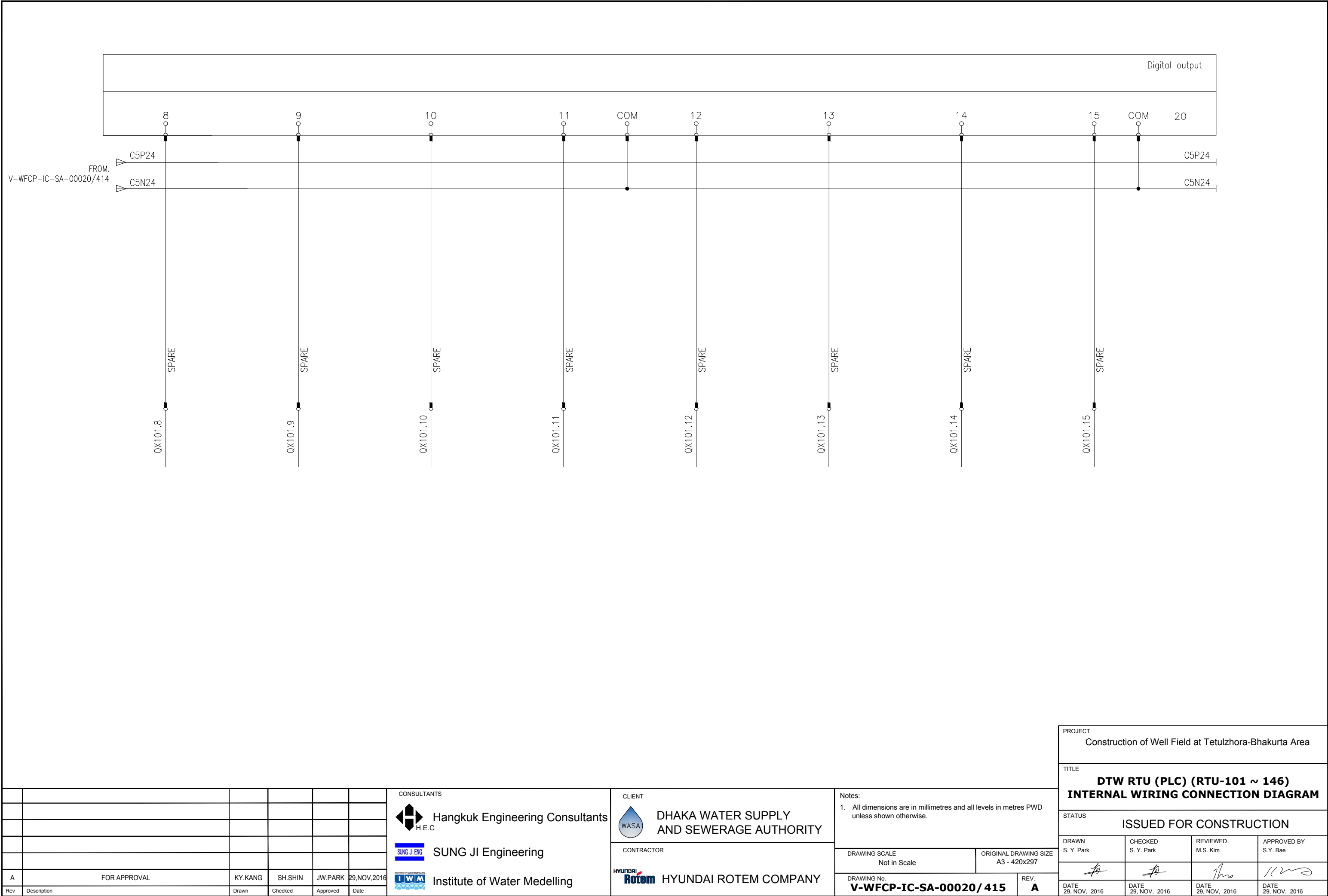


AS BUILT

Construction of Well Field at Tetuizhora - Bhakurta Area

DTW RTU (PLC) (RTU 101 - 146)
INTERNAL WIRING CONNECTION DIAGRAM

V-WFCP-IC-SA-00020/414



X1-TB

2002-1201	TB-NO	JUMP	WIRE NO	DESCRIPTION
	01	●	R0	PANEL FAN & LIGHTING (240VAC, 1ϕ)
	02	●	R0	
	03	●	R0	
	04		TH11	
	05		PE-5	
	06	●	T0	
	07	●	T0	
	08	●	T0	
	09			
	10		C1P24	
	11		C1N24	
	12			
	13		A11C10	
	14		A11C11	
	15		AO_COM	

X1A-TB

2002-1611/1000-541	TB-NO	JUMP	WIRE NO	DESCRIPTION
	01	●	R2	
	02	●	R2	
	03	●	R2	
	04	●	R2	
	05	●	R2	
	06	●	R2	
	07	●	R2	
	08	●	T2	
	09	●	T2	
	10	●	T2	
	11	●	T2	
	12	●	T2	
	13	●	T2	
	14	●	T2	

ZA-TB

2004-1201	TB-NO	JUMP	WIRE NO	DESCRIPTION	FROM/TO
	01	●	UR0	UPS AC240V POWER	FROM PDP
	02	●	UR0		
	03	●	UT0		
	04	●	UT0		

X1B-TB

2002-1201	TB-NO	JUMP	WIRE NO	DESCRIPTION
	01	●	C1P24	DC 24V POWER
	02	●	C1P24	
	03	●	C1P24	
	04	●	C1N24	
	05	●	C1N24	
	06	●	C1N24	
	07			
	08			
	09			
	10			
	11			
	12			

ZB-TB

2002-1201	TB-NO	JUMP	WIRE NO	DESCRIPTION	FROM/TO
	01		R2A	SPARE AC 240V	
	02		T2A		
	03		R2B	SPARE AC 240V	
	04		T2B		
	05		R2C	SPARE AC 240V	
	06		T2C		
	07		R2D	SPARE AC 240V	
	08		T2D		
	09		R2E	SPARE AC 240V	
	10		T2E		
	11		R2F	SPARE AC 240V	
	12		T2F		
	13		R2G	SPARE AC 240V	
	14		T2G		

A	FOR APPROVAL	KY.KANG	SH.SHIN	JW.PARK	29.NOV.2016
Rev	Description	Drawn	Checked	Approved	Date

CONSULTANTS

Hanguk 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 dimensions are in millimetres and all levels in metres PWD
unless shown otherwise.

DRAWING SCALE
Not in Scale

ORIGINAL DRAWING SIZE
A3 - 420x297

DRAWING No.
V-WFCP-IC-SA-00020/416

REV.
A

PROJECT
Construction of Well Field at Tetulzhora-Bhakurta Area

TITLE
DTW RTU (PLC) (RTU-101 ~ 146)
INTERNAL WIRING CONNECTION DIAGRAM

STATUS
ISSUED FOR CONSTRUCTION

DRAWN
S. Y. Park

CHECKED
S. Y. Park

REVIEWED
M.S. Kim

APPROVED BY
S.Y. Bae









DATE
29, NOV, 2016

DATE
29, NOV, 2016

DATE
29, NOV, 2016

DATE
29, NOV, 2016

Z1-TB

2002-1611/1000-541

TB-NO	JUMP	WIRE NO	DESCRIPTION	FROM/TO
01				
02	●	AO_COM	PRODUCTION WELL LEVEL (PRESSURE TYPE) [LIT-1001]	FROM. LIT-1001
03		AOC0		
04				
05	●	AO_COM	PRODUCTION WELL PUMP PRESSURE [PIT-1001]	FROM. PIT-1001
06		AOC1		
07	●	C1P24		
08	●	C1N24	SPARE	
09		AOC2		
10	●	C1P24		
11	●	C1N24	SPARE	
12		AOC3		
13	●	C1P24		
14	●	C1N24	SPARE	
15		AOC4		
16	●	C1P24		
17	●	C1N24	SPARE	
18		AOC5		
19	●	C1P24		
20	●	C1N24	SPARE	
21		AOC6		
22	●	C1P24		
23	●	C1N24	SPARE	
24		AOC7		
25				
26				
27				
28				
29		485+A	RS 485 COMMUNICATION	
30		485-A		

A	FOR APPROVAL	KY.KANG	SH.SHIN	JW.PARK	29.NOV.2016
Rev	Description	Drawn	Checked	Approved	Date

CONSULTANTS

 Hangkuk Engineering Consultants
H.E.C

 SUNG JI Engineering

 Institute of Water Medelling

CLIENT

 DHAKA WATER SUPPLY
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 HYUNDAI ROTEM COMPANY

Notes:
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DRAWING SCALE
Not in Scale

ORIGINAL DRAWING SIZE
A3 - 420x297

DRAWING No.
V-WFCP-IC-SA-00020/417

REV.
A

PROJECT
Construction of Well Field at Tetulzhora-Bhakurta Area

TITLE
DTW RTU (PLC) (RTU-101 ~ 146)
INTERNAL WIRING CONNECTION DIAGRAM

STATUS
ISSUED FOR CONSTRUCTION

DRAWN
S. Y. Park

CHECKED
S. Y. Park

REVIEWED
M.S. Kim

APPROVED BY
S.Y. Bae









DATE
29, NOV, 2016

DATE
29, NOV, 2016

DATE
29, NOV, 2016

DATE
29, NOV, 2016

Z2-TB

2002-1611/1000-541	TB-NO	JUMP	WIRE NO	DESCRIPTION	FROM/TO
	01	●	C4P24	DTW UPS FAIL [UPS-101-F]	FROM. UPS
	02		IX100.0		
	03	●	C4P24	LV-101 REMOTE [LV-101-RM]	FROM. LV-101
	04		IX100.1		
	05	●	C4P24	LV-101 FAIL [LV-101-F]	
	06		IX100.2		
	07	●	C4P24	LV-101 ON [LV-101-ON]	
	08		IX100.3		
	09		S100	LV-101 START COMMAND [LV-101-ST]	
	10		S101		
	11	●	C4P24	LV-101 ATS REB [LV-101-ATS1]	
	12		IX100.4		
	13	●	C4P24	LV-101 ATS GEN [LV-101-ATS2]	
	14		IX100.5		
	15	●	C4P24	LV-101 ELD01 [LV-101-01]	
	16		IX100.6		
	17	●	C4P24	LV-101 ELD02 [LV-101-02]	
	18		IX100.7		
	19	●	C4P24	LV-101 ELD03 [LV-101-03]	
	20		IX100.8		
	21	●	C4P24	LV-101 ELD04 [LV-101-04]	
	22		IX100.9		
	23	●	C4P24	LV-101 ELD05 [LV-101-05]	
	24		IX100.10		
	25	●	C4P24	LV-101 ELD06 [LV-101-06]	
	26		IX100.11		
	27	●	C4P24	LV-101 ELD07 [LV-101-07]	
	28		IX100.12		
	29	●	C4P24	LV-101 ELD08 [LV-101-08]	
	30		IX100.13		
	31	●	C4P24	LV-101 ELD09 [LV-101-09]	
	32		IX100.14		
	33	●	C4P24	LV-101 ELD10 [LV-101-10]	
	34		IX100.15		
	35	●	C4P24	SPARE	
	36		IX100.16		
	37	●	C4P24	SPARE	
	38		IX100.17		
	39	●	C4P24	SPARE	
	40		IX100.18		
	41	●	C4P24	SPARE	
	42		IX100.19		
	43	●	C4P24	SPARE	
	44		IX100.20		
	45	●	C4P24	SPARE	
	46		IX100.21		
	47	●	C4P24	SPARE	
	48		IX100.22		
	49	●	C4P24	SPARE	
	50		IX100.23		

TB-NO	JUMP	WIRE NO	DESCRIPTION	FROM/TO
51	●	C4P24	SPARE	
52		IX100.24		
53	●	C4P24	SPARE	
54		IX100.25		
55	●	C4P24	SPARE	
56		IX100.26		
57	●	C4P24	SPARE	
58		IX100.27		
59	●	C4P24	SPARE	
60		IX100.28		
61	●	C4P24	SPARE	
62		IX100.29		
63	●	C4P24	SPARE	
64		IX100.30		
65	●	C4P24	SPARE	
66		IX100.31		
67		S102	SPARE	
68		S103		
69		S104	SPARE	
70		S105		
71		S106	SPARE	
72		S107		
73		S108	SPARE	
74		S109		
75		S110	SPARE	
76		S111		
77		S112	SPARE	
78		S113		
79		S114	SPARE	
80		S115		
81				
82				
83				
84				
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86				
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88				
89				
90				

A	FOR APPROVAL	KY.KANG	SH.SHIN	JW.PARK	29.NOV.2016
Rev	Description	Drawn	Checked	Approved	Date

CONSULTANTS



Hanguk Engineering Consultants

SUNG JI ENG

SUNG JI Engineering



Institute of Water Medelling

CLIENT



DHAKA WATER SUPPLY
AND SEWERAGE AUTHORITY

CONTRACTOR

HYUNDAI
Rotem

HYUNDAI ROTEM COMPANY

Notes:

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DRAWING SCALE
Not in Scale

ORIGINAL DRAWING SIZE
A3 - 420x297

DRAWING No.
V-WFCP-IC-SA-00020/418

REV.
A

PROJECT Construction of Well Field at Tetulzhora-Bhakurta Area			
TITLE DTW RTU (PLC) (RTU-101 ~ 146) INTERNAL WIRING CONNECTION DIAGRAM			
STATUS ISSUED FOR CONSTRUCTION			
DRAWN S. Y. Park	CHECKED S. Y. Park	REVIEWED M.S. Kim	APPROVED BY S.Y. Bae
DATE 29, NOV, 2016	DATE 29, NOV, 2016	DATE 29, NOV, 2016	DATE 29, NOV, 2016