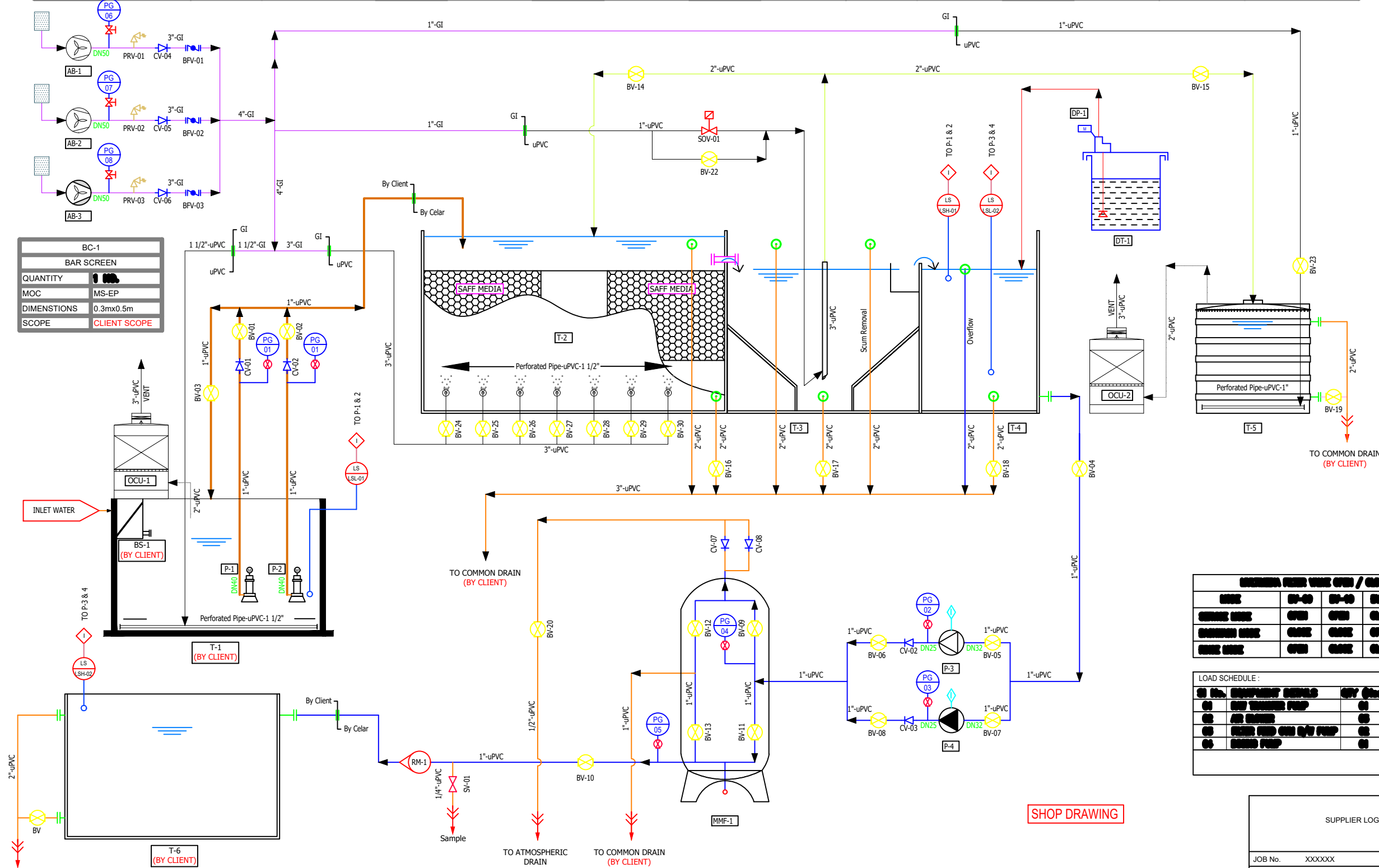


T-1	P-1 & P-2	T-2	T-3	T-4	AB-1, 2 & 3	T-5	P-3 & P-4
EXISTING COLLECTION TANK	RAW TRANSFER PUMP (SUBMERSIBLE)	SAFF TANK	SAFF TANK	CHLORINE DOSING TANK	AIR BLOWER	SLUDGE HOLDING TANK	FLUOR FIBER GLASS DRAINAGE PUMP
QUANTITY 1 NO.	QUANTITY 2 NOS. (10+10)	QUANTITY 1 NO.	QUANTITY 1 NO.	QUANTITY 1 NO.	QUANTITY 3 NOS. (10+10)	QUANTITY 1 NO.	QUANTITY 2 NOS. (10+10)
CAPACITY 35M ³	MAKE ABS SULZER	CAPACITY 30M ³	CAPACITY 30M ³	CAPACITY 30M ³	MAKE FLUIDTEC	CAPACITY 500 US GALLON	MAKE LOWARA
MOC RCC	MOC CI BODY, SS IMPELLER	MOC MSEP	MOC MSEP	MOC MSEP	MOC -	MOC PE	MOC CI BODY, SS IMPELLER
DIMENSTIONS -	FLOW 1.5 M ³ /HR	DIMENSTIONS 6.0mx2.0mx3.0m	DIMENSTIONS 1.0mx1.0mx3.0m	DIMENSTIONS 1.0mx1.0mx3.0m	FLOW / BLOWER 250 M ³ /HR	DIMENSTIONS -	FLOW 1.5 M ³ /HR
SCOPE CLIENT SCOPE	PRESSURE 10m	MAKE CELAR	MAKE CELAR	MAKE CELAR	PRESSURE 300m BAR	MAKE AL SHAMSI	PRESSURE 20m

LEGENDS & SYMBOLS:	
	RAW SEWAGE
	TREATED SEWAGE
	SLUDGE LINE
	COMPRESSED AIR (GI)
	COMPRESSED AIR (uPVC)
	OCU AIR
	DRAIN & OVERFLOW
	DOSING LINE
	PUMP DUTY
	PUMP STAND BY
	AIR BLOWERS
	AIR BLOWERS STAND BY
	BUTTERFLY VALVE
	BALL VALVE
	NON RETURN VALVE
	AIR VENT VALVE
	PRESSURE RELIEF VALVE
	SOLENOID VALVE
	SAMPLE VALVE
	DRAIN
	PRESSURE INDICATOR
	AIR VENT
	LOW LEVEL SWITCH
	HIGH LEVEL SWITCH
	WATER METER



EQUIPMENT START / STOP / CLOSE / OPEN					
NAME	SP-01	SP-02	SP-03	SP-04	SP-05
RAW TRANSFER PUMP	OPEN	OPEN	CLOSE	CLOSE	CLOSE
AIR BLOWER	CLOSE	CLOSE	OPEN	OPEN	CLOSE
FLUOR FIBER GLASS PUMP	OPEN	CLOSE	CLOSE	CLOSE	OPEN

LOAD SCHEDULE:					
Sl. No.	EQUIPMENT DETAILS	QTY (Nos.)	CONSUMPTION	WAT. LOAD (KW)	TOTAL. LOAD (KW)
01	RAW TRANSFER PUMP	01	1.5	0.75	0.75
02	AIR BLOWER	03	1.5	0.45	1.20
03	FLUOR FIBER GLASS PUMP	02	1.5	0.45	0.90
04	DRAINAGE PUMP	01	1.5	0.45	0.45
Total Connected Load				17.25 kW/hr (Approx.)	

MMF-1	OCU-1 (EQT)	OCU-2 (SHT)	DT-1	DP-1	T-6	PLANT ROOM
MULTI MEDIA FILTER	ODOUR CONTROL UNIT	ODOUR CONTROL UNIT	CHLORINE DOSING TANK	CHLORINE DOSING PUMP	TREATED WATER TANK	PLANT ROOM
QUANTITY 1 NO.	QUANTITY 1 NO.	QUANTITY 1 NO.	QUANTITY 1 NO.	QUANTITY 1 NO. (10)	QUANTITY 1 NO.	QUANTITY 1 NO.
MAKE AVENTURA	FLOW 10 M ³ /HR	FLOW 10 M ³ /HR	MAKE JEMMING	MAKE SEKO	CAPACITY -	-
FLOW 1.5 M ³ /HR	MAKE CELAR	MAKE CELAR	CAPACITY 40 LITER	FLOW 0-4 LPH	MOC MSEP	MOC MSEP
MOC FRP	MOC GRP	MOC GRP	MOC PE	PRESSURE 2 BAR	DIMENSTIONS 2.0mx2.0mx3.0m	DIMENSTIONS 2.0mx2.0mx3.0m
MODEL 21"x62"				MOC PE	SCOPE CLIENT SCOPE	MAKE CELAR

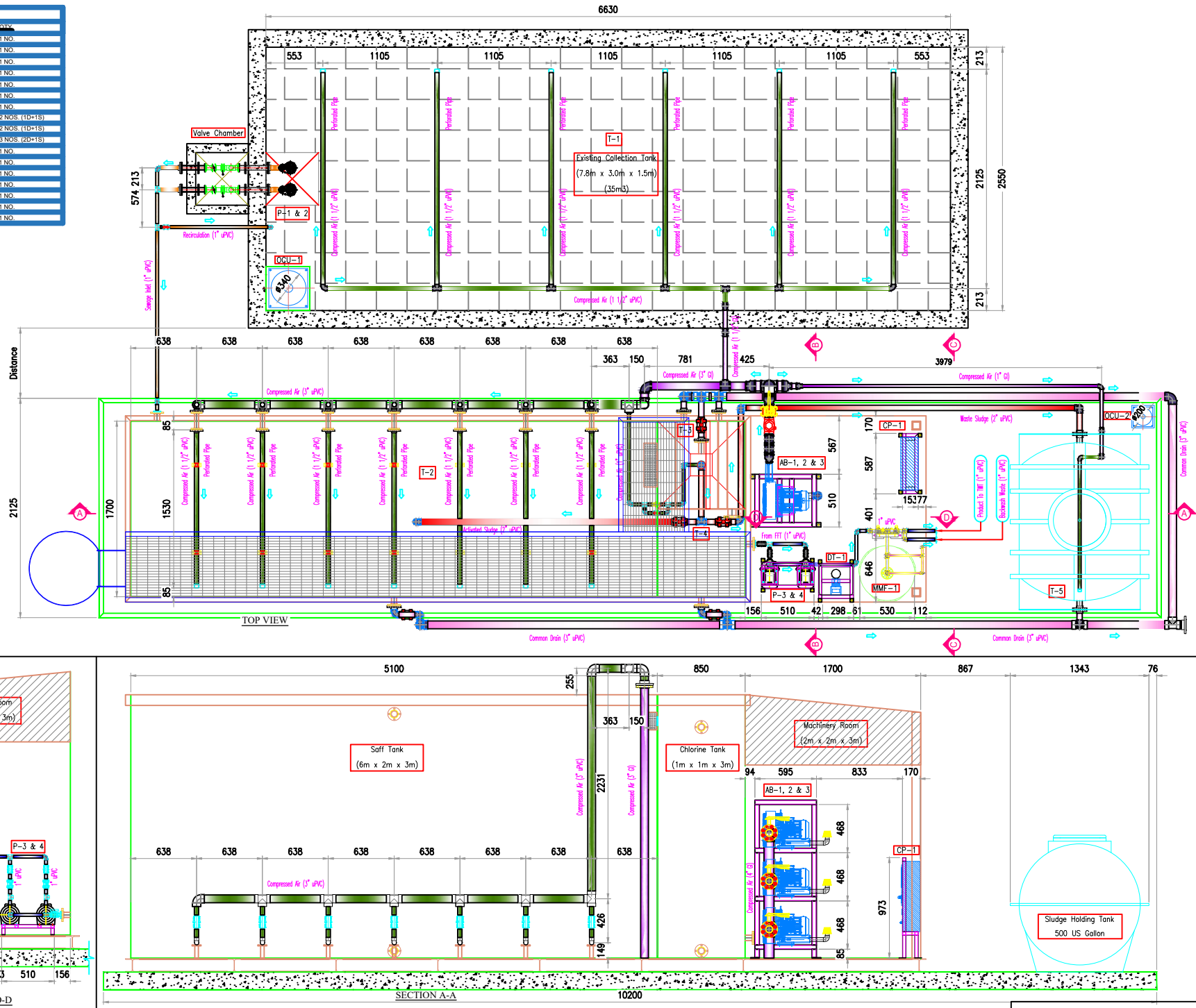
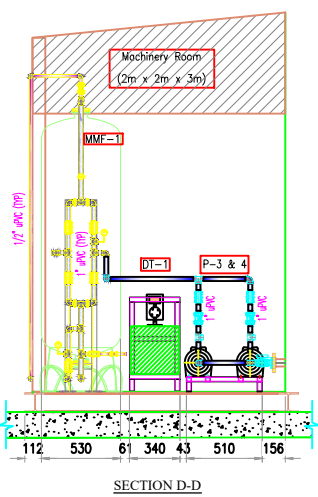
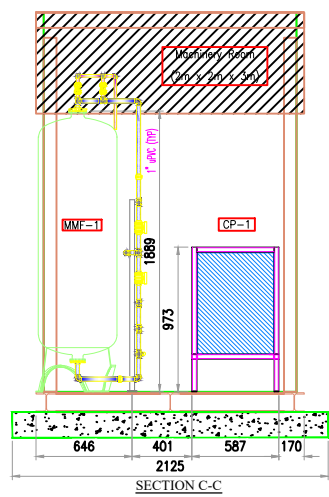
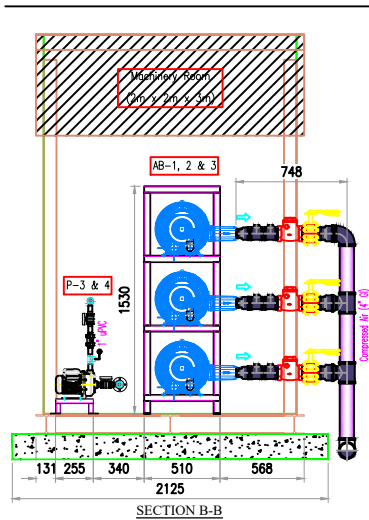
2.TREATED WATER TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE
1.COLLECTION TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE

NOTES

DESCRIPTION	AREA	S	SERIAL	SL	P	S	REV	DATE	APPROVED BY	DESCRIPTION	BL.NO.	PROJ.ENG.	SPEC.ENG.
REFERENCE DRAWINGS													
MASTER DRAWING REVISION													

SUPPLIER LOGO				SUPPLIER ADDRESS			
JOB No. XXXXXX				REV. 00	SHEET -	SCALE 1/1000	SIZE A1
ISSUED FOR APPROVAL							
REV	DATE	DRAWN BY	TEAM / JENG. / CHECKED	DESCRIPTION			BL. NO.
PROJECT DRAWING REVISION							
AREA : XXX				SCALE : 0 1 2 3 4 5 6 CAD DRAWING			
PROJECT : SEWAGE TREATMENT PLANT - SAFF							
DRWLTYPE : PIPING AND INSTRUMENTATION DIAGRAM							
DESCRIPTION : 35 METER CUBIC PER DAY (STP-SAFF)							
CLIENT NAME							

TANK & EQUIPMENT DETAILS				
ITEM	DESCRIPTION	SIZE/TYPE	MATERIAL	NO.
1.1 (CLIENT SCOPE)	EXISTING COLLECTION TANK	35M ³	RCC	1 NO.
1.2	SAFF TANK (6m x 2m x 3m)	36M ³	MS-EP	1 NO.
1.3	SETTLING TANK (1m x 1m x 3m)	3M ³	MS-EP	1 NO.
1.4	CHLORINE TANK (1m x 1m x 3m)	3M ³	MS-EP	1 NO.
1.5	SURGE HOLDING TANK	500 US GALLON	PE	1 NO.
1.6 (CLIENT SCOPE)	TREATED WATER TANK		RCC	1 NO.
BS-1 (CLIENT SCOPE)	BAR SCREEN	0.3m x 0.5m	MS-EP	1 NO.
P-1 & 2	RAW TRANSFER PUMP	0.5m ³ /hr @ 10m	CI BODY, SS IMPELLER	2 NOS. (1D+1S)
P-3 & 4	FILTER FEED CUM B/W PUMP	0.5m ³ /hr @ 75m	CI BODY, SS IMPELLER	2 NOS. (1D+1S)
AB-1, 2 & 3	AIR BLOWER	230mm ³ /hr @ 300 Bar		3 NOS. (2D+1S)
MMF-1	MULTIMEDIA FILTER	21" x 60"	FRP	1 NO.
OCU-1 (EQ-1)	ODOUR CONTROL UNIT	50m ³ /hr	GRP	1 NO.
OCU-2 (SH-1)	ODOUR CONTROL UNIT	10m ³ /hr	GRP	1 NO.
DT-1	CHLORINE DOSING TANK	40 LITER	PE	1 NO.
DP-1	CHLORINE DOSING PUMP	0-4 LPH @ 2 Bar	PE	1 NO.
CP-1	CONTROL PANEL	0.6m x 0.2m x 0.8m		1 NO.
PLANT ROOM	PLANT ROOM	2m x 2m x 3m	MS-EP	1 NO.



2. TREATED WATER TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE
1. COLLECTION TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE

NOTES

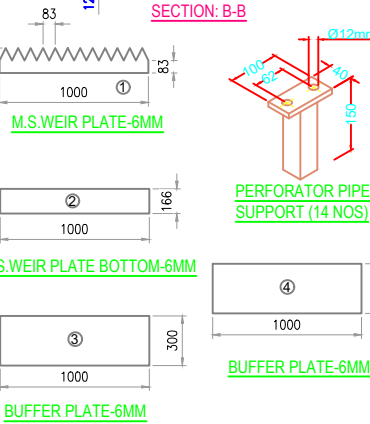
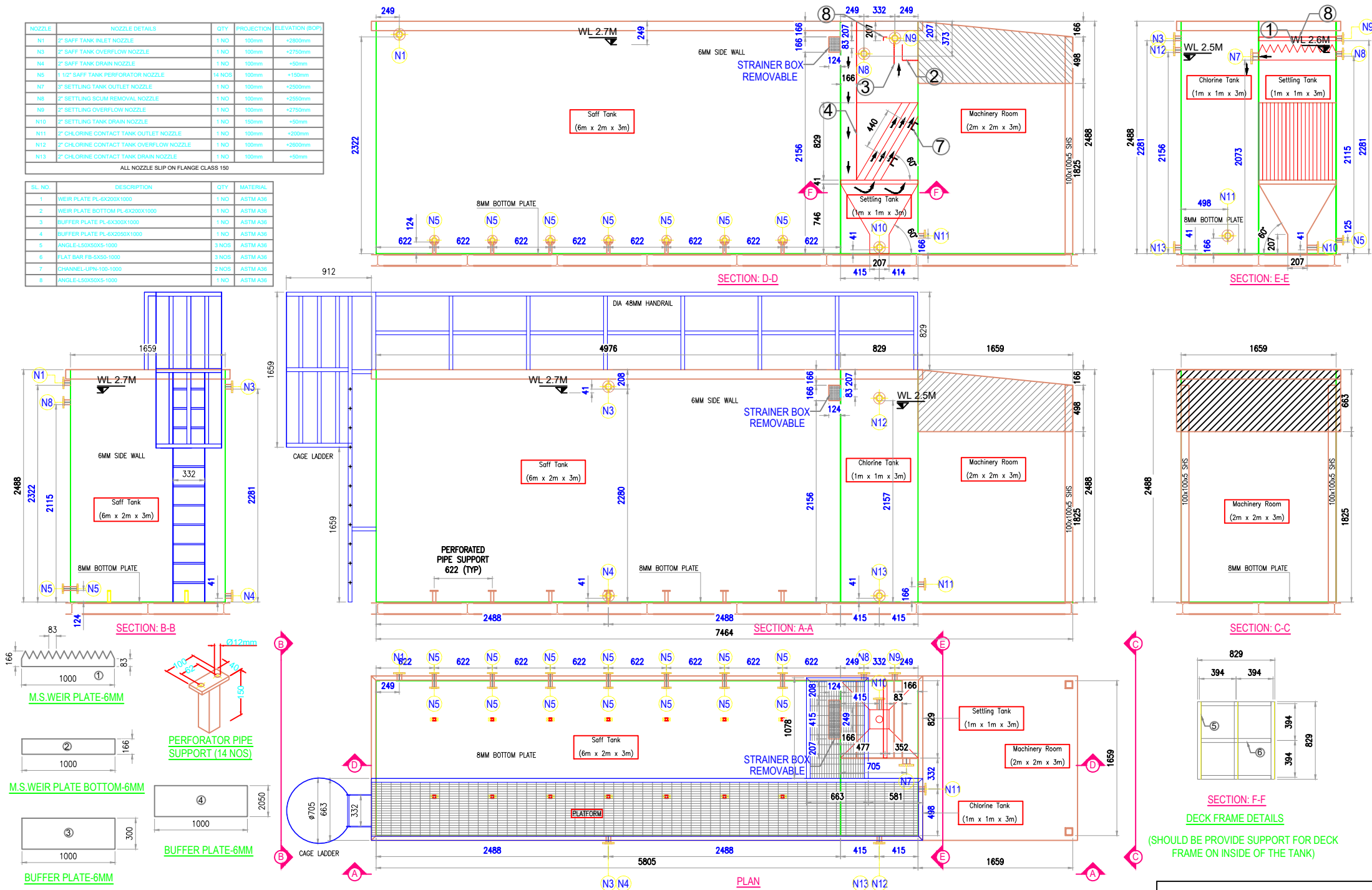
REFERENCE DRAWINGS

MASTER DRAWING REVISION

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ISSUED FOR APPROVAL					
REV	DATE	DRAWN BY	TEAM / JENG. CHECKED	DESCRIPTION	BJ. NO. / APPROVAL
PROJECT DRAWING REVISION					
AREA : XXX				SCALE 1:000	
PROJECT : SEWAGE TREATMENT PLANT - SAFF				CAD DRAWING	
DRWG. TYPE : PIPING AND INSTRUMENTATION DIAGRAM				CLIENT NAME	
DESCRIPTION : 35 METER CUBIC PER DAY (STP-SAFF)					

NOZZLE	NOZZLE DETAILS	QTY	PROJECTION	ELEVATION (BOP)
N1	2" SAFF TANK INLET NOZZLE	1 NO	100mm	+280mm
N3	2" SAFF TANK OVERFLOW NOZZLE	1 NO	100mm	+2750mm
N4	2" SAFF TANK DRAIN NOZZLE	1 NO	100mm	+50mm
N5	1 1/2" SAFF TANK PERFORATOR NOZZLE	14 NOS	100mm	+150mm
N7	2" SETTLING TANK OUTLET NOZZLE	1 NO	100mm	+2500mm
N8	2" SETTLING SCUM REMOVAL NOZZLE	1 NO	100mm	+2550mm
N9	2" SETTLING OVERFLOW NOZZLE	1 NO	100mm	+2750mm
N10	2" SETTLING TANK DRAIN NOZZLE	1 NO	150mm	+50mm
N11	2" CHLORINE CONTACT TANK OUTLET NOZZLE	1 NO	100mm	+200mm
N12	2" CHLORINE CONTACT TANK OVERFLOW NOZZLE	1 NO	100mm	+2500mm
N13	2" CHLORINE CONTACT TANK DRAIN NOZZLE	1 NO	100mm	+50mm
ALL NOZZLE SLIP ON FLANGE CLASS 150				

SL. NO.	DESCRIPTION	QTY	MATERIAL
1	WEIR PLATE PL-6X300X1000	1 NO	ASTM A36
2	WEIR PLATE BOTTOM PL-6X300X1000	1 NO	ASTM A36
3	SUPPER PLATE PL-6X300X1000	1 NO	ASTM A36
4	BUFFER PLATE PL-6X2050X1000	1 NO	ASTM A36
5	ANGLE L50X50X5-1000	3 NOS	ASTM A36
6	FLAT BAR FB-4X50-1000	3 NOS	ASTM A36
7	CHANNEL-UPN-100-1000	2 NOS	ASTM A36
8	ANGLE L50X50X5-1000	1 NO	ASTM A36



2.TREATED WATER TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE
1.COLLECTION TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE

NOTES

DESCRIPTION

AREA

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REV

DATE

APPROVED BY

DESCRIPTION

BL.NO.

PROJ.ENG.

SPECL.ENG.

APPROVAL

REFERENCE DRAWINGS

MASTER DRAWING REVISION

SUPPLIER LOGO

SUPPLIER ADDRESS

JOB No. XXXXXX

REV.

SHEET

SCALE

SIZE

00

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1/000

A1

REV

DATE

DRAWN BY

TEAM

CHCKD

ISSUED FOR APPROVAL

DESCRIPTION

BL. NO

PROJ. ENG.

SIGNATURE

APPROVAL

PROJECT DRAWING REVISION

AREA : XXX

PROJECT : SEWAGE TREATMENT PLANT - SAFF

DRAWN TYPE : PIPING AND INSTRUMENTATION DIAGRAM

DESCRIPTION : 35 METER CUBIC PER DAY (STP-SAFF)

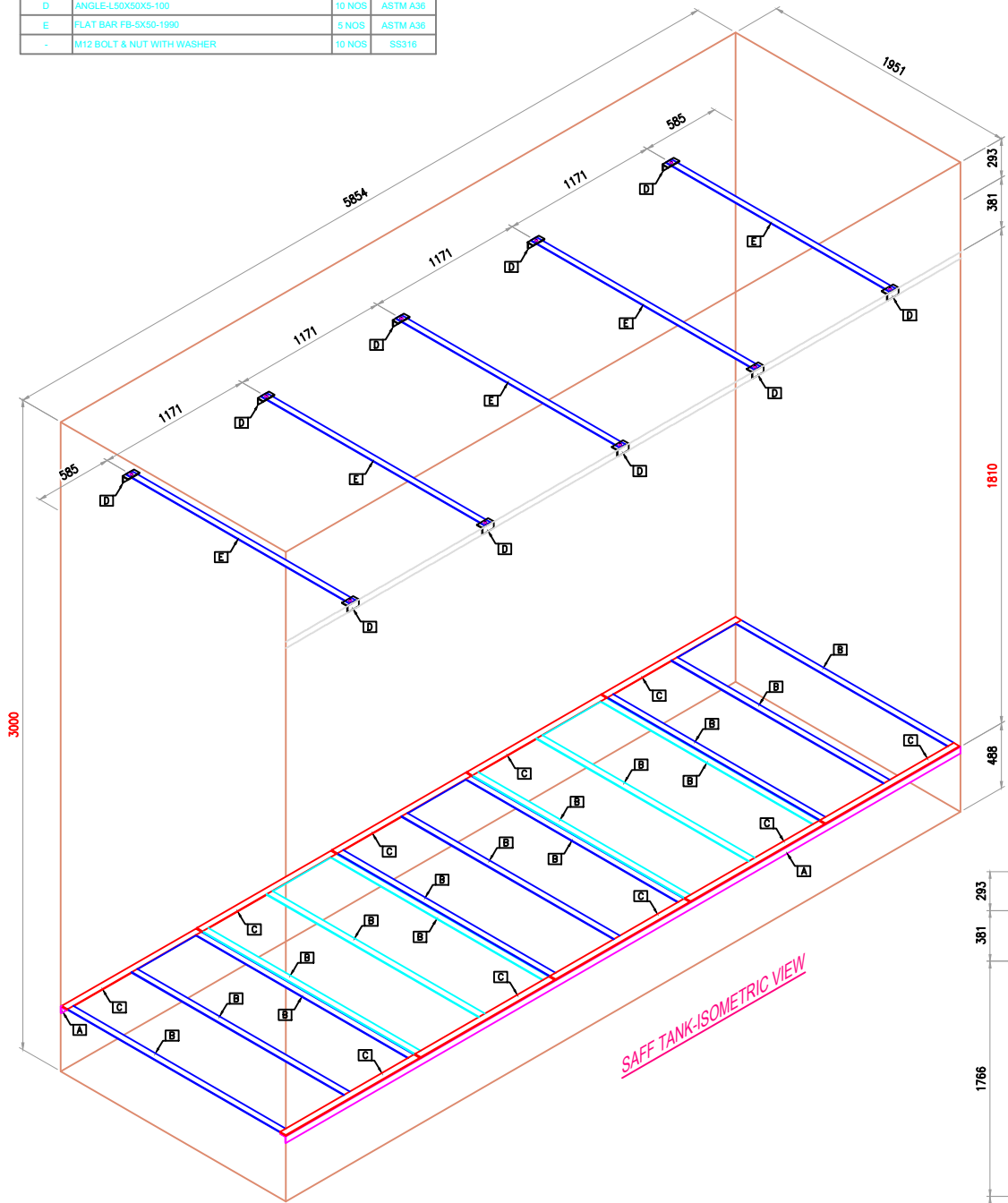
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CAD DRAWING

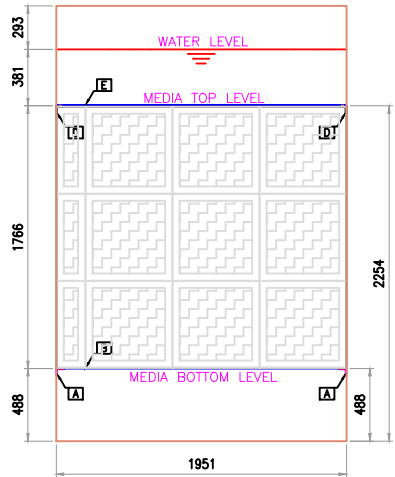
CLIENT NAME

SL. NO.	DESCRIPTION	QTY	MATERIAL
A	ANGLE-L50X50X5-6000	2 NOS	ASTM A36
B	FLAT BAR FB-5X50-1890	15 NOS	ASTM A36
C	FLAT BAR FB-5X50-1190	10 NOS	ASTM A36
D	ANGLE-L50X50X5-100	10 NOS	ASTM A36
E	FLAT BAR FB-5X50-1990	5 NOS	ASTM A36
-	M12 BOLT & NUT WITH WASHER	10 NOS	SS316

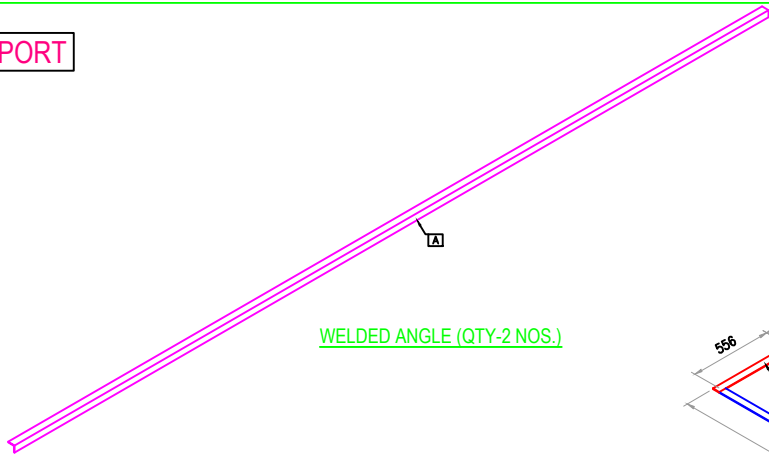
SAFF MEDIA SUPPORT



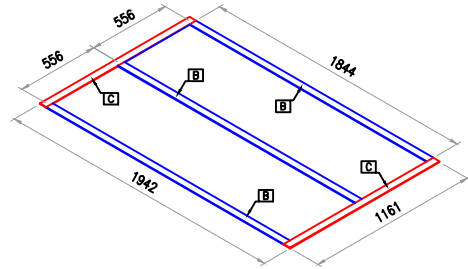
SAFF TANK-ISOMETRIC VIEW



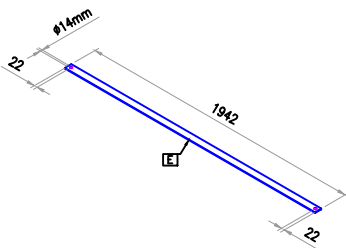
SAFF TANK SIDE VIEW



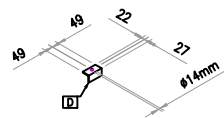
WELDED ANGLE (QTY-2 NOS.)



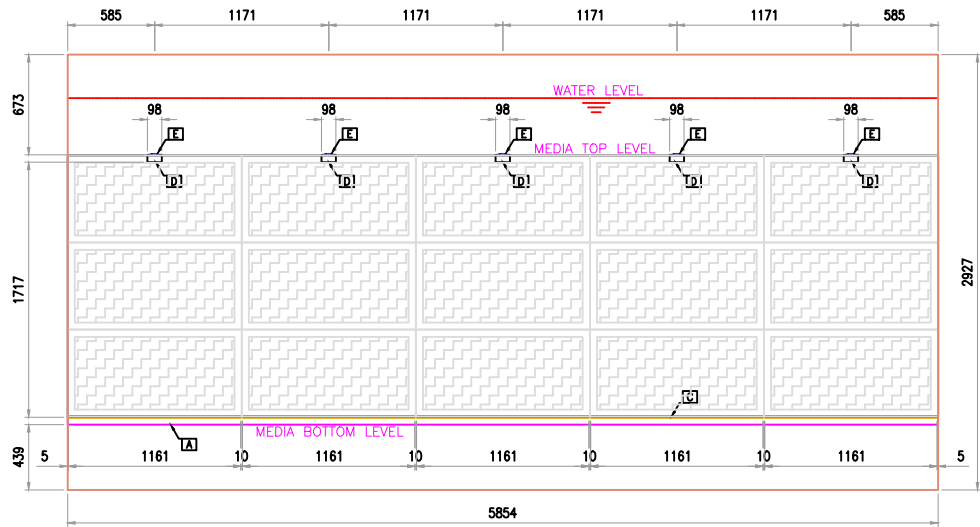
REMOVABLE FRAME (QTY-5 NOS.)



REMOVABLE FLAT BAR (QTY-5 NOS.)
WITH BOLT NUT & WASHER



WELDED ANGLE (QTY-10 NOS.)



SAFF TANK FRONT VIEW

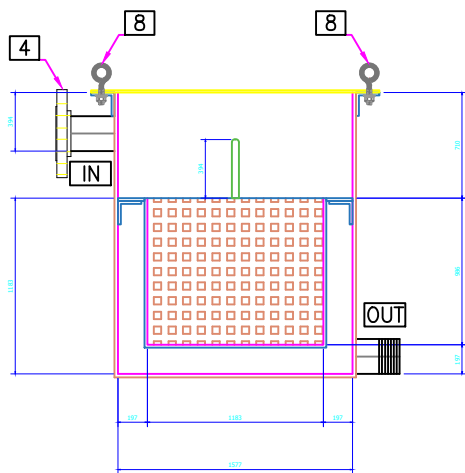
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REV	DATE	DRAWN BY	TEAM LEAD. CHECKED	DESCRIPTION	BI. NO. PROJ. ENG. SIGNATURE APPROVAL	
PROJECT DRAWING REVISION						
AREA : XXX		SCALE 1 0 1 2 3 4 5 6 7 CAD DRAWING				
PROJECT : SEWAGE TREATMENT PLANT - SAFF		CLIENT NAME				
DRWL TYPE : PIPING AND INSTRUMENTATION DIAGRAM						
DESCRIPTION : 35 METER CUBIC PER DAY (STP-SAFF)						

2.TREATED WATER TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE
1.COLLECTION TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE

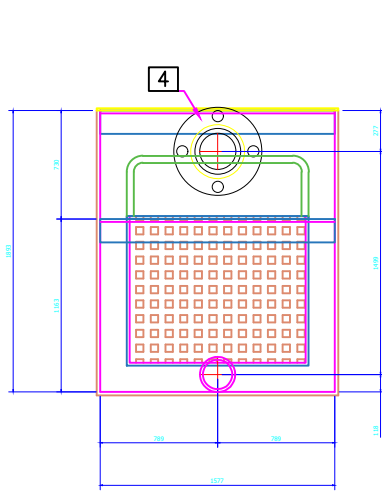
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REFERENCE DRAWINGS

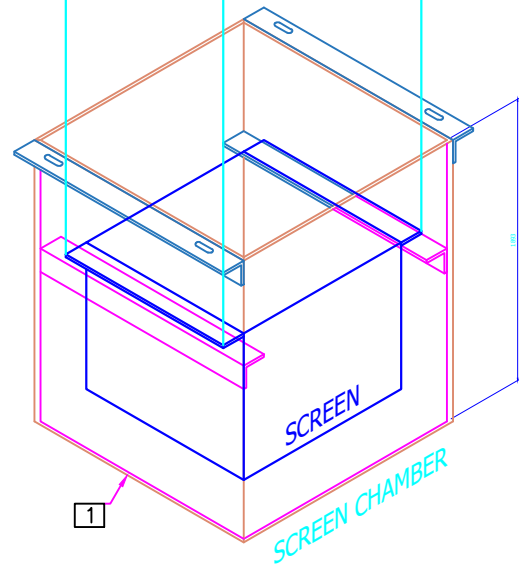
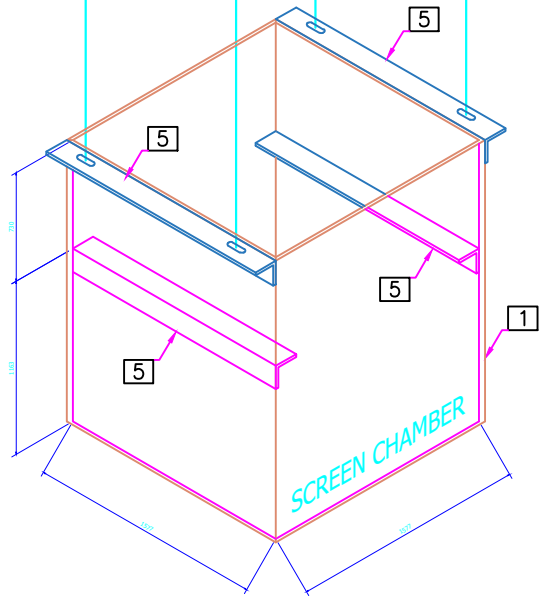
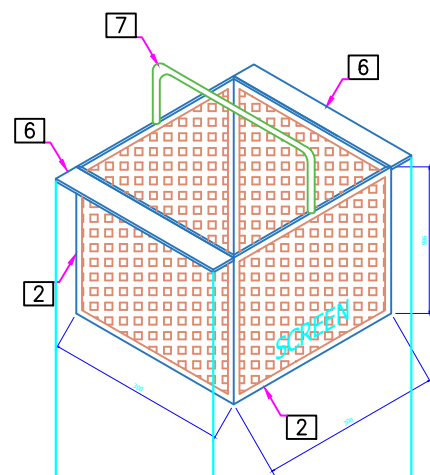
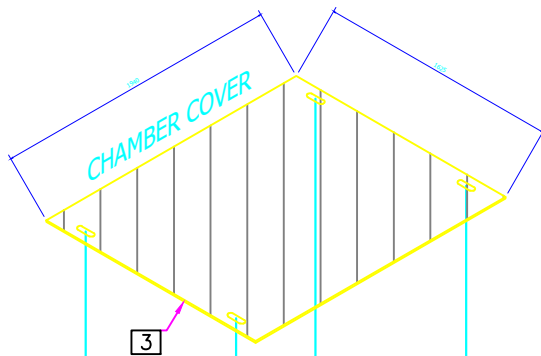
MASTER DRAWING REVISION



SIDE VIEW

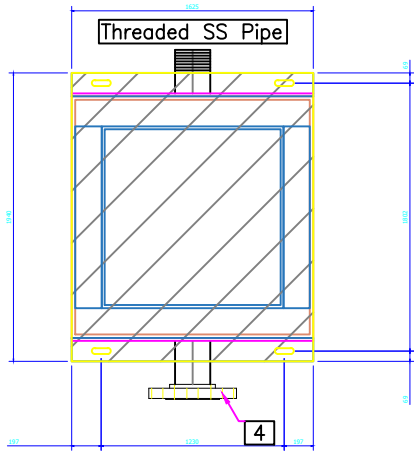


FRONT VIEW



ISOMETRIC VIEW

SCREEN, CHAMBER WITH COVER BOQ (SS316)				
ID	Description	Size	Length (mm)	QTY
1	SS Plate	6mm	480x400	4 Nos
	SS Plate	6mm	400x400	1 No
2	SS Plate (6mm Perforated)	3mm	300x250	4 Nos
	SS Plate (6mm Perforated)	3mm	300x300	1 No
3	SS Plate (Top Cover)	2mm	492x412	1 No
4	SS Flange	DN50	—	1 No
5	L-Angle	40x40	400	4 Nos
6	Flat Bar	40	310	2 Nos
7	SS Rod (Handle)	12mm	500	1 No
8	I Bolt	—	—	4 Nos



PLAN

2.TREATED WATER TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE

1.COLLECTION TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE

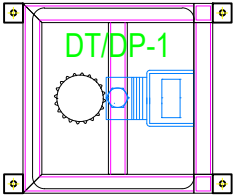
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REFERENCE DRAWINGS

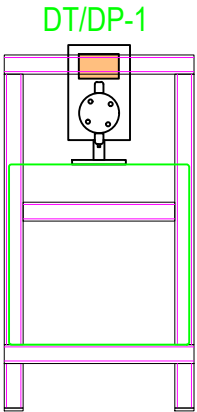
MASTER DRAWING REVISION

SUPPLIER LOGO		SUPPLIER ADDRESS		
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REV	DATE	DRAWN BY	TEAM / JENG. CHECKED	DESCRIPTION
PROJECT DRAWING REVISION				
AREA : XXX		SCALE 1 0 1 2 3 4 5 6 7		
PROJECT : SEWAGE TREATMENT PLANT – SAFF		CAD DRAWING		
DRWG TYPE : PIPING AND INSTRUMENTATION DIAGRAM		CLIENT NAME		
DESCRIPTION : 35 METER CUBIC PER DAY (STP-SAFF)				

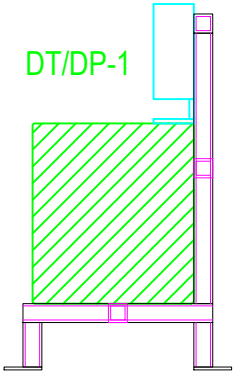
MS SKID BOQ			
1	MS Box Section	40x40x5	5 Mtr.
2	MS Plate	80x40x5	4 Nos.



PLAN (FOR REF)

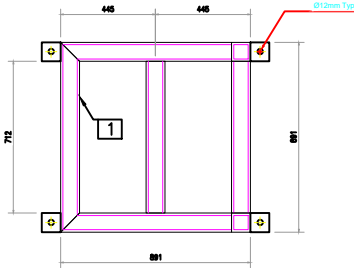


SIDE VIEW (FOR REF)

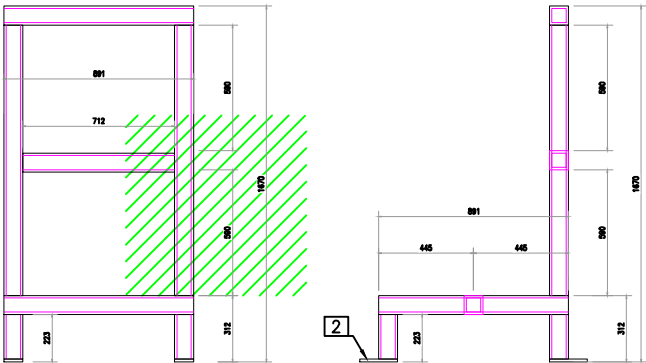


FRONT VIEW (FOR REF)

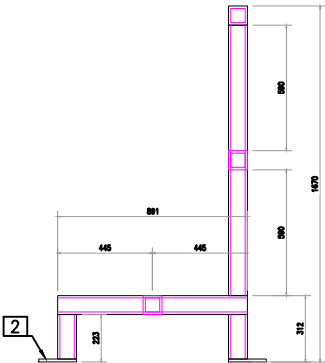
CHLORINE DOSING SYSTEM SKID FABRICATION (QTY-1NO.)



PLAN



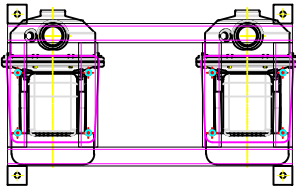
SIDE VIEW



FRONT VIEW

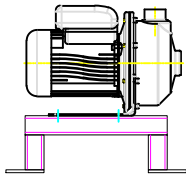
FILTER FEED CUM B/W PUMP SKID FABRICATION (QTY-1NO.)

P-03 & 04



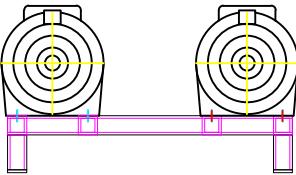
PLAN (FOR REF)

P-04

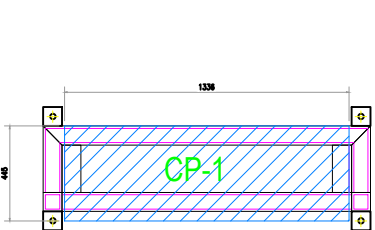


SIDE VIEW (FOR REF)

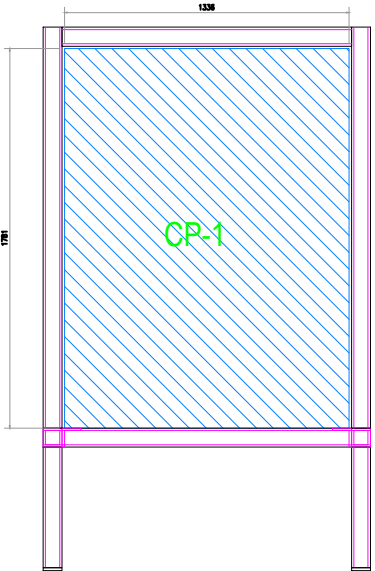
P-03 & 04



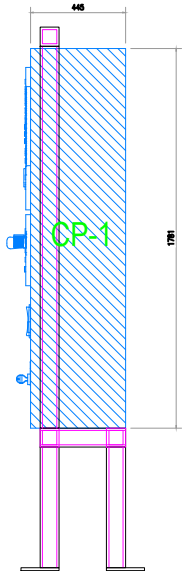
FRONT VIEW (FOR REF)



PLAN (FOR REF)

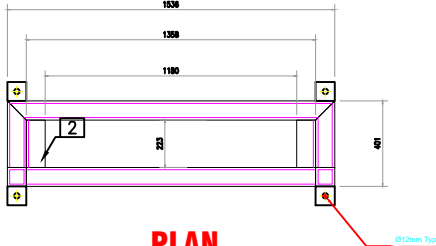


FRONT VIEW (FOR REF)

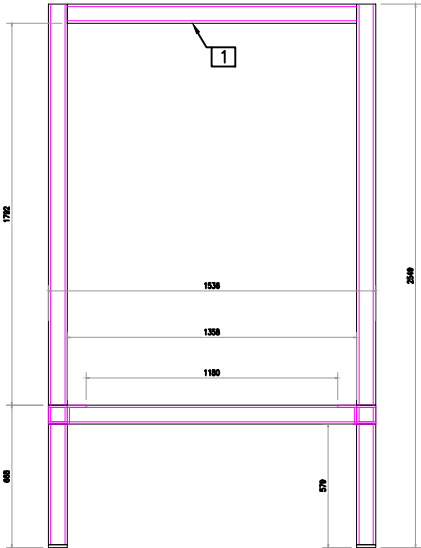


SIDE VIEW (FOR REF)

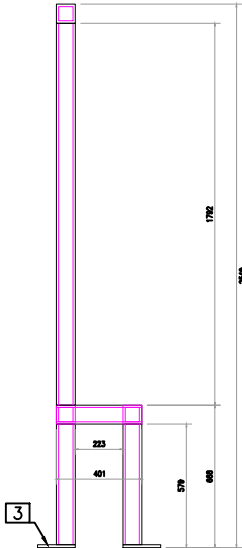
MS SKID BOQ			
1	MS Box Section	40x40x5	7 Mtr.
2	MS L Angle	40x40x5	0.5 Mtr.
3	MS Plate	80x40x5	4 Nos.



PLAN

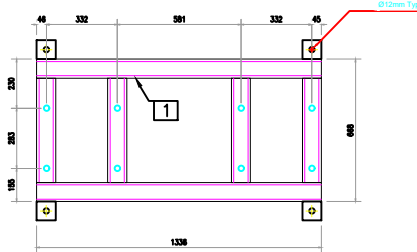


FRONT VIEW

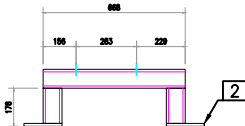


SIDE VIEW

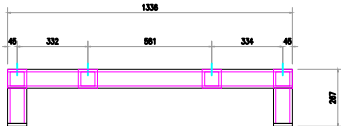
CONTROL PANEL SKID FABRICATION (QTY-1NO.)



PLAN



SIDE VIEW

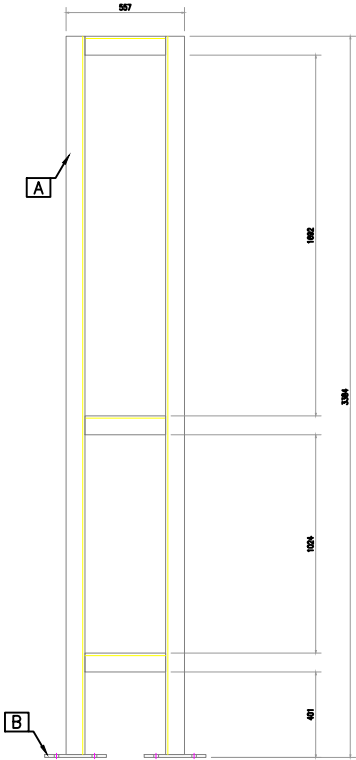


FRONT VIEW

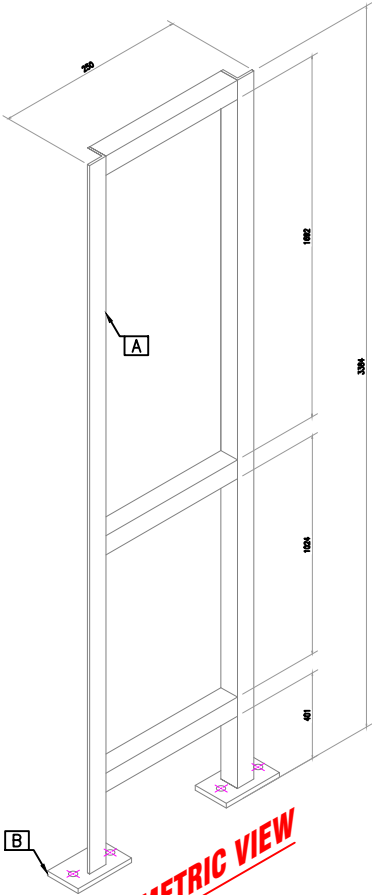
MS SKID BOQ			
1	MS Box Section	40x40x5	2.5 Mtr.
2	MS Plate	80x40x5	4 Nos.

MS SKID BOQ			
A	MS L Angle	40x40x5	5 Mtr.
B	MS Plate	130x75x5	2 Nos.

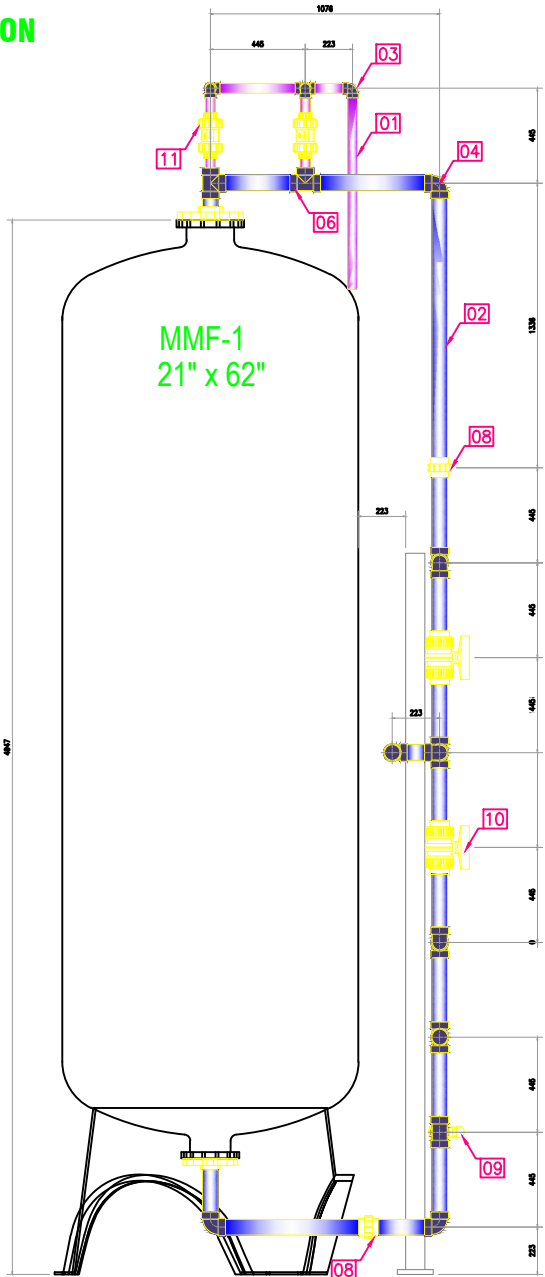
MMF FRONTAL PIPE SKID FABRICATION
(QTY-1NO.)



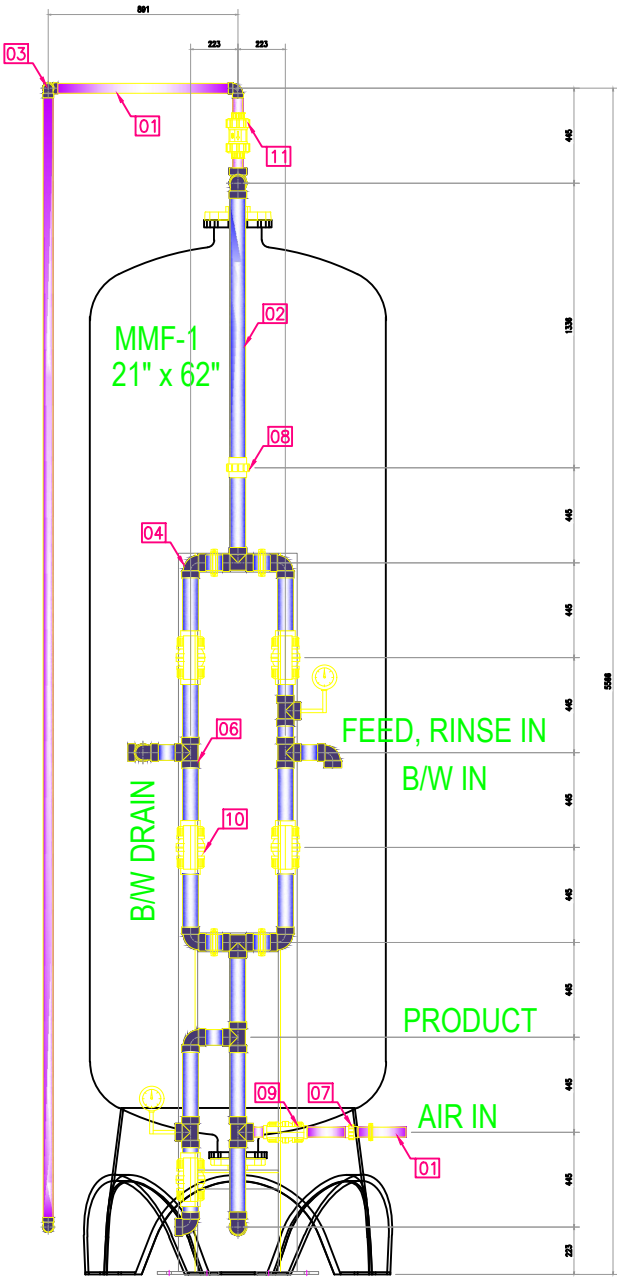
FRONT VIEW



ISOMETRIC VIEW



SIDE VIEW (FOR REF)



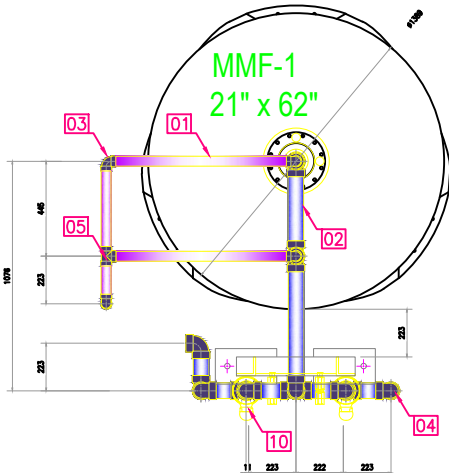
FRONT VIEW (FOR REF)



PLAN

BILL OF MATERIALS						
ID	QTY	UNITS	SIZE (NBS)	SCH/CLASS	MOC	DESCRIPTION
PIPE						
01	5	m	1/2"	10	uPVC	PIPE
02	10	m	1"	10	uPVC	PIPE
FITTINGS						
03	4	NOS	1/2"	10	uPVC	ELL 90°
04	11	NOS	1"	10	uPVC	ELL 90°
05	1	NO	1/2"	10	uPVC	EQUAL TEE
06	10	NOS	1"	10	uPVC	EQUAL TEE
07	1	NOS	1/2"	10	uPVC	UNION
08	2	NOS	1"	10	uPVC	UNION
-	3	NOS	1 x 1/2"	10	uPVC	REDUCING BUSH

-	2	NOS	2 x 1"	10	uPVC	REDUCING BUSH
FLANGES						
-	2	NO	1"	150	uPVC	FLANGE
FASTENERS						
-	8	NOS	M16	-	GI	STUD BOLT SET (55mm L)
-	2	NOS	1"	-	RUBBER	GASKET
-	2	NOS	DN 15	-	-	HANGING CLAMP SET
-	10	NOS	DN 25	-	-	HANGING CLAMP SET
VALVES						
09	1	NOS	1/2"	-	uPVC	BV
10	5	NOS	1"	-	uPVC	BV
11	2	NOS	1/2"	-	uPVC	NRV
-	2	NOS	-	-	-	PG



PLAN (FOR REF)

CLIENT :

END USER : XXXXXXXX

PROJECT : XXXXXX

SUPPLIER LOGO										SUPPLIER ADDRESS									
JOB No. XXXXXX										REV.		SHEET		SCALE		SIZE			
										00		-		1/000		A1			
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REV		DATE		DRAWN BY		TEAM LEAD. JENG.		CHECKED		DESCRIPTION					B.I. NO		PROJ. ENG. SIGNATURE APPROVAL		
PROJECT DRAWING REVISION																			
AREA : XXX										SCALE : 0 1 2 3 4 5 6 7 CAD DRAWING									
PROJECT : SEWAGE TREATMENT PLANT – SAFF																			
ENG.		DRAWN TYPE		PIPING AND INSTRUMENTATION DIAGRAM															
		DESCRIPTION		35 METER CUBIC PER DAY (STP–SAFF)															
CLIENT NAME																			

TECHNICAL DATA SHEET													
ENCLOSURE				POWER SUPPLY			BUS BARS/CABLES SIZE				CIRCUIT MARKING		
TYPE	NAME	FORM		MAIN SUPPLY	IN	OUT	BUS BAR CONNECTION		IN	OUT	WIRING	IN	OUT
STAINLESS STEEL	- X	- X	☐	690VAC 3PH 60HZ	☐	☐	MAIN(HOR) : 00X00		☐	☐	AS PER DIAGRAM ALL THE BUS & CABLES ARE COLOR CODED TO RESPECTIVE PHASE.	☒	☒
SHEET STEEL	- SHADES	- FORM II	☒	600VAC 3PH 3W 60Hz	☐	☐	MAIN(VER) : 00X00		☐	☐			
GRP	- X	- X	☐	480VAC 3PH 60HZ	☐	☐	BRANCH(VER) : 00X00		☐	☐			
ROW TYPE	- X	- X	☐	460VAC 3PH 60HZ	☐	☐	NEUTRAL : 00X00		☐	☐			
DIMENSION				440VAC 3PH 60HZ	☐	☐	EARTH : 00X00		☐	☐	LABLES	☒	☒
HEIGHT	- 800 mm		☒	415VAC 3PH 4W 50HZ	☒	☒	NEUTRAL CONNECTION				TRAFFOLYTE	☒	☒
WIDTH	- 800 mm		☒	220VAC 1PH 50HZ	☐	☐	DIRECT TO DEVICE		☒	☒	SELF STICK	☐	☐
DEPTH	- 250 mm		☒	110VAC 1PH 50HZ	☐	☐	DIRECT TO TB		☐	☐	POWER R Y B E R Y B N E X Y Z E R N	☐	☐
MATERIAL				110V DC	☐	☐	DIRECT TO BUS BAR		☐	☐			
ELECTRO GALVANIZED STEEL SHEET-1.5MM			☒	48V DC	☐	☐	DIRECT TO IND. SOCKET		☐	☐			
THICKNESS WITH MATT FINISH POLYSTER				24V DC	☐	☐	GROUND CONNECTION						
POWDER COATED IS RAL-7035				ACCESS			DIRECT TO DEVICE		☐	☐	DC POSITIVE : RED NEGATIVE : BLACK GROUND : YELLOW GREEN	☐	☐
PROTECTION DEGREE				FRONT - BREAKER		☒	DIRECT TO BUS BAR		☐	☐			
IP-54			☐	FRONT - CABLES		☒	DIRECT TO EARTHSTRIP		☒	☒			
IP-55			☒	REAR		☐	DIRECT TO IND. SOCKET		☐	☐			
IP-22			☐				POWER CABLES					☐	☐
PRESENTATION				SUPPLY OF AUXILIARIES			L1- RED : 2,5,4,6,10 SQ.MM		☒	☒	AC PHASE - 1 : RED PHASE - 2 : YELLOW PHASE - 3 : BLUE NEUTRAL - 4 : BLACK GROUND - 5 : YELLOW GREEN	☒	☒
PLAIN DOOR			☐	EXTERNAL		☐	L2- YELLOW : 2,5,4,6,10 SQ.MM		☒	☒			
FUNCTIONAL DOOR			☒	INTERNAL		☒	L3- BLUE : 2,5,4,6,10 SQ.MM		☒	☒			
TRANSPARENT DOOR			☐	AUXILIARY TRANSFORMER		☐	N - NEUTRAL : 2,5,4,6,10 SQ.MM		☒	☒			
FIXED FRONT			☐	AUXILIARY DC SOURCE		☐	GROUND-Y/G : 6 SQ. MM		☒	☒		☒	☒
MOUNTING				AUXILIARIES VOLTAGE			BUSBAR MATERIALS				NOTE ALL DIMENSIONS ARE IN : mm. APPROX. WEIGHT : 50 kg MAX. OPERATING TEMP : 50°C	☒	☒
WALL			☒	230V AC		☒	PVC INSULATED, HIGH CONDUCTIVITY		☒	☒			
FLOOR			☐	24V AC & 24VDC		☒	COPPER, TIN PLATED						
PEDESTAL			☐				CONTROL CABLES						
CABLE ENTRY				BREAKER FAULT LEVEL			230V AC - RED & BLACK : 1.5mm.Sq.		☒	☒		☒	☒
INCOMING - BOTTOM			☒	INCOMING - NA		☒	24V DC - BROWN & WHITE : 1.5mm.Sq.		☒	☒		☒	☒
OUTGOING - BOTTOM			☒	OUTGOING - 6KA		☒	DI / DO - GREY / BLUE : 1.0mm.Sq.		☒	☒		☒	☒

2.TREATED WATER TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE

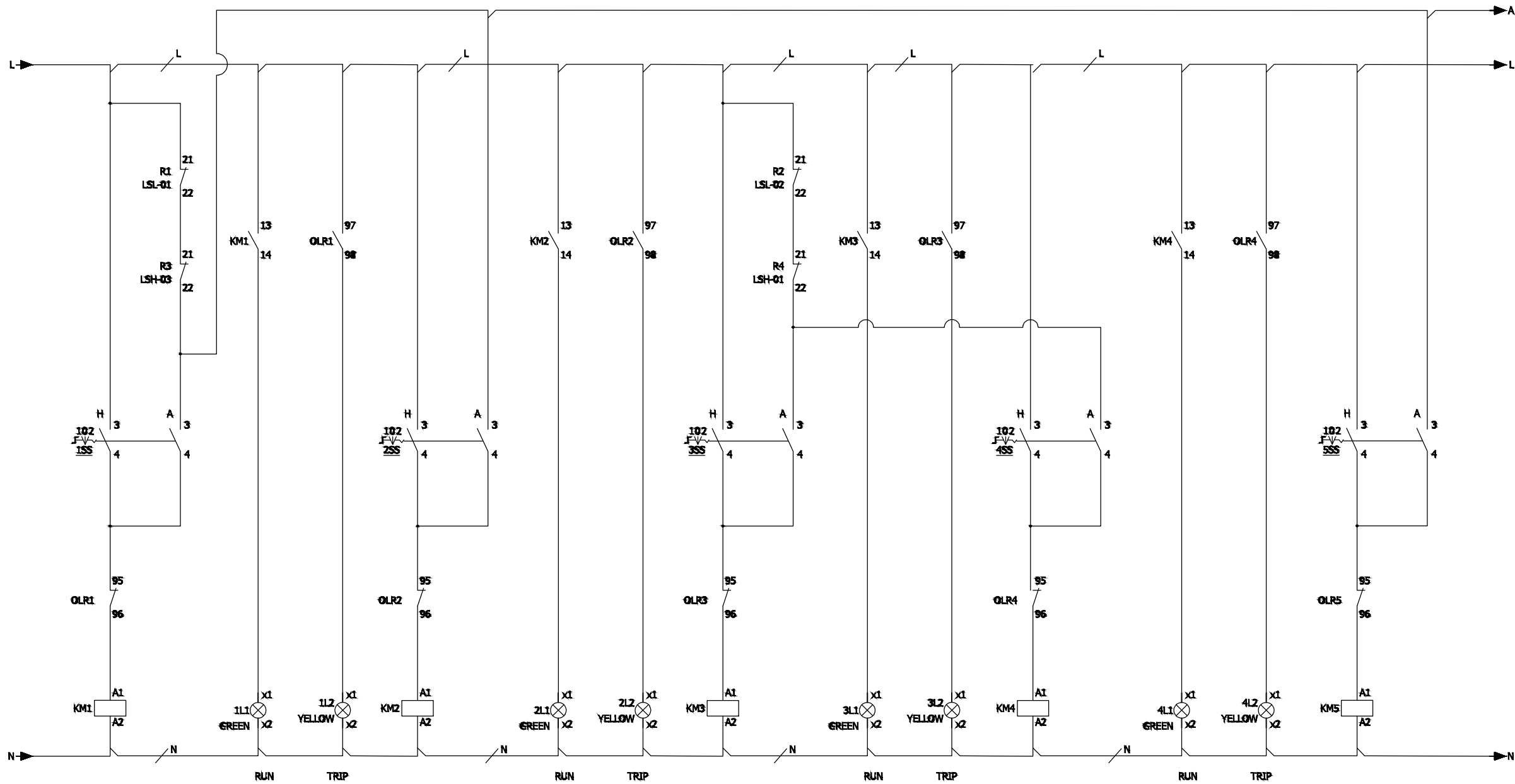
1.COLLECTION TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE

NOTES

REFERENCE DRAWINGS

MASTER DRAWING REVISION

SUPPLIER LOGO				SUPPLIER ADDRESS			
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REV	DATE	DRAWN BY	TEAM LEAD	JENI		DESCRIPTION	BI. NO
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APPROVAL							
PROJECT DRAWING REVISION							
AREA : XXX				SCALE 1			
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PROJECT : SEWAGE TREATMENT PLANT - SAFF				CAD DRAWING			
DRWL TYPE : PIPING AND INSTRUMENTATION DIAGRAM				CLIENT NAME			
DESCRIPTION : 35 METER CUBIC PER DAY (STP-SAFF)							



RAW SEWAGE PUMP P-01 DUTY RAW SEWAGE PUMP P-02 STANDBY FILTER FEED PUMP-P-03 DUTY FILTER FEED PUMP-P-04 STANDBY AIR BLOWER AB01-A DUTY

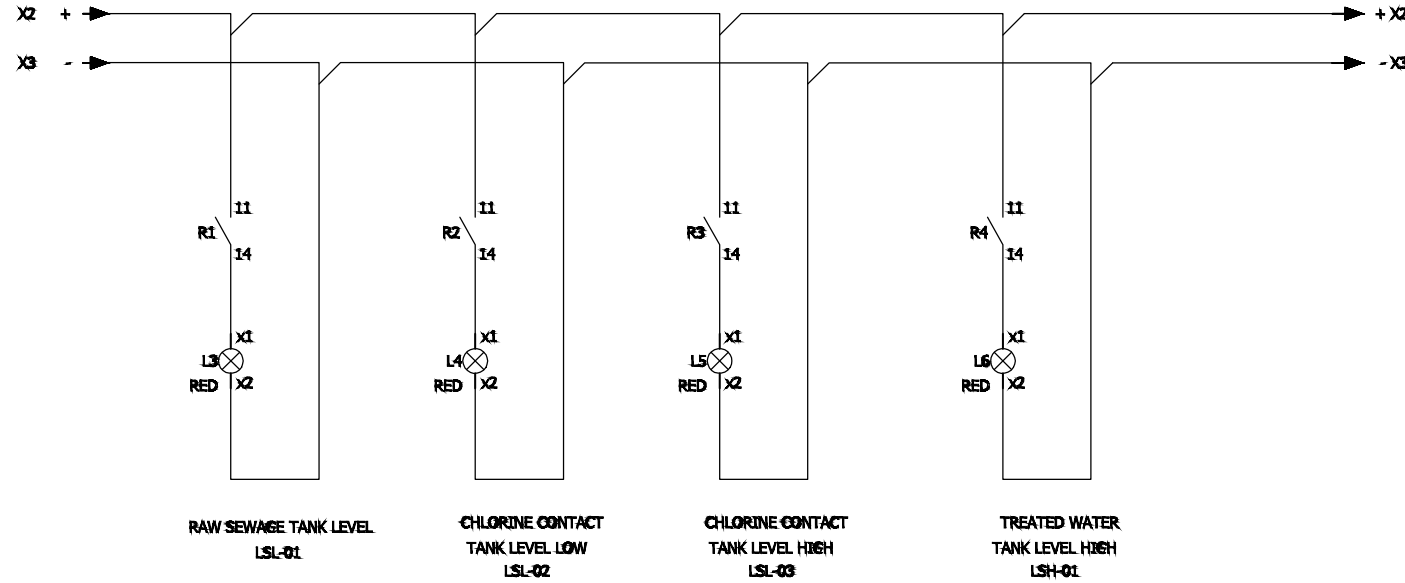
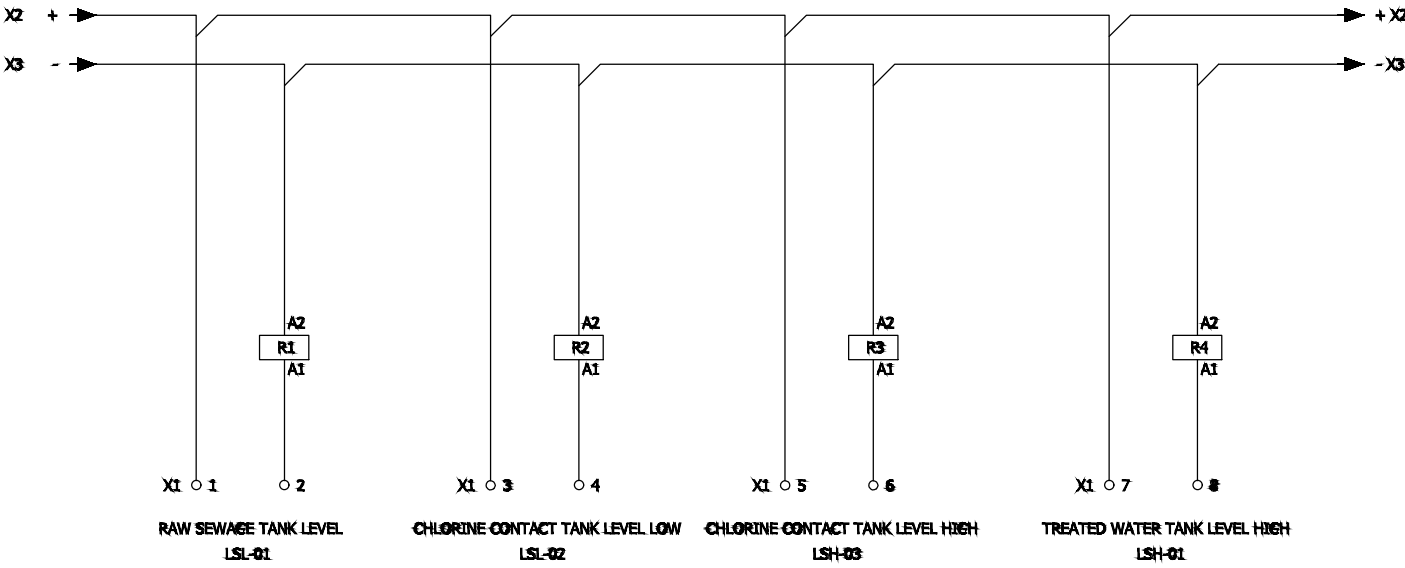
2.TREATED WATER TANK SHOULD BE 10m FROM STP PLANT, IT IS MORE THEN 10m, PIPING & CABLING SHALL BE IN CLINET SCOPE
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PROJECT : SEWAGE TREATMENT PLANT - SAFF			CLIENT NAME		
DRWG TYPE : PIPING AND INSTRUMENTATION DIAGRAM			35 METER CUBIC PER DAY (STP-SAFF)		



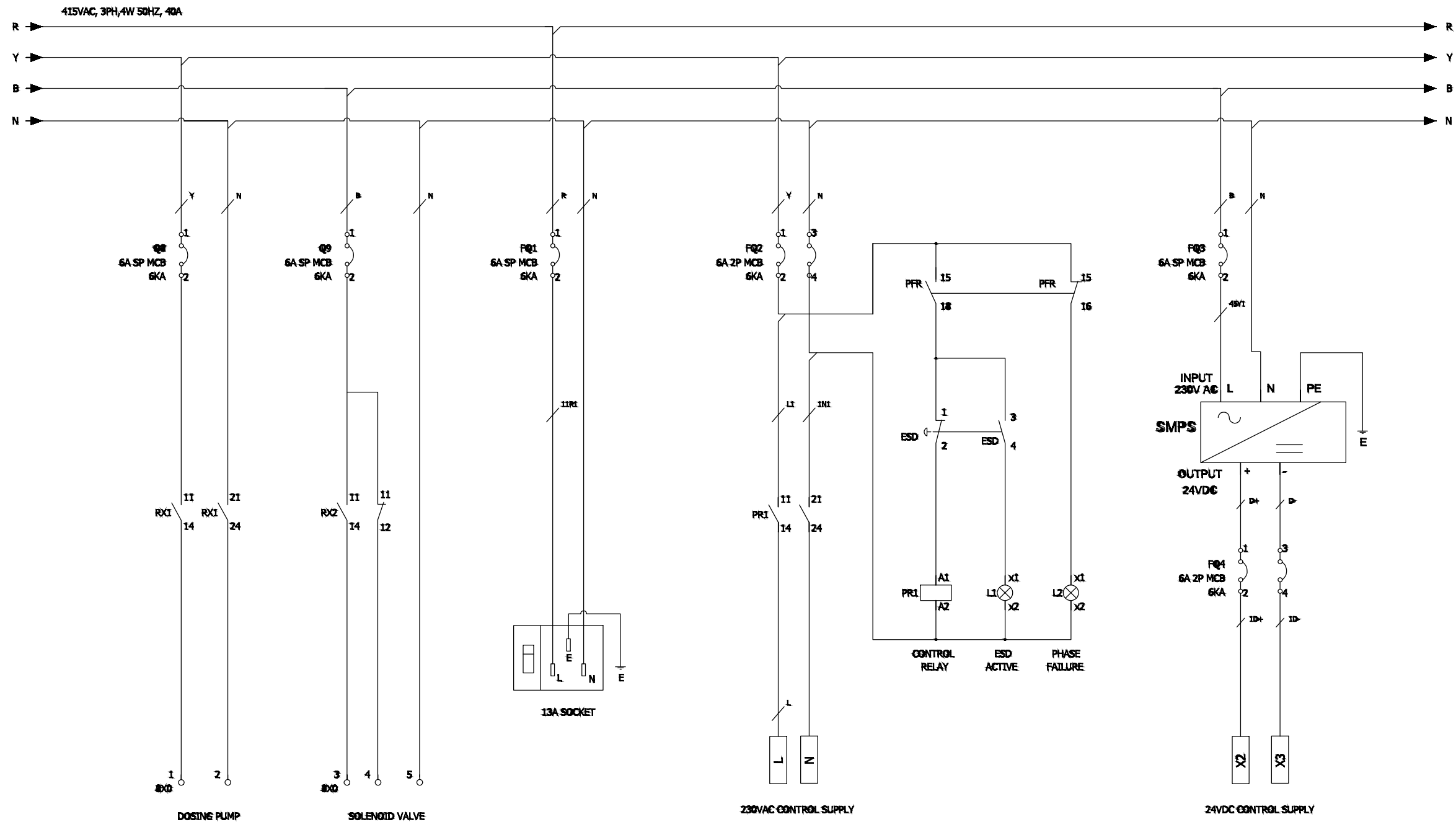
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REV	DATE	DRAWN BY	TEAM LEAD	ENGINEER
CHECKED		DESCRIPTION		B.I. NO.
PROJ. ENG.		SIGNATURE		
APPROVAL				
PROJECT DRAWING REVISION				
AREA : XXX		SCALE 1: 0 1 2 3 4 5 6 7		
PROJECT : SEWAGE TREATMENT PLANT – SAFF		CAD DRAWING		
DRAWN TYPE : PIPING AND INSTRUMENTATION DIAGRAM		CLIENT NAME		
DESCRIPTION : 35 METER CUBIC PER DAY (STP-SAFF)				

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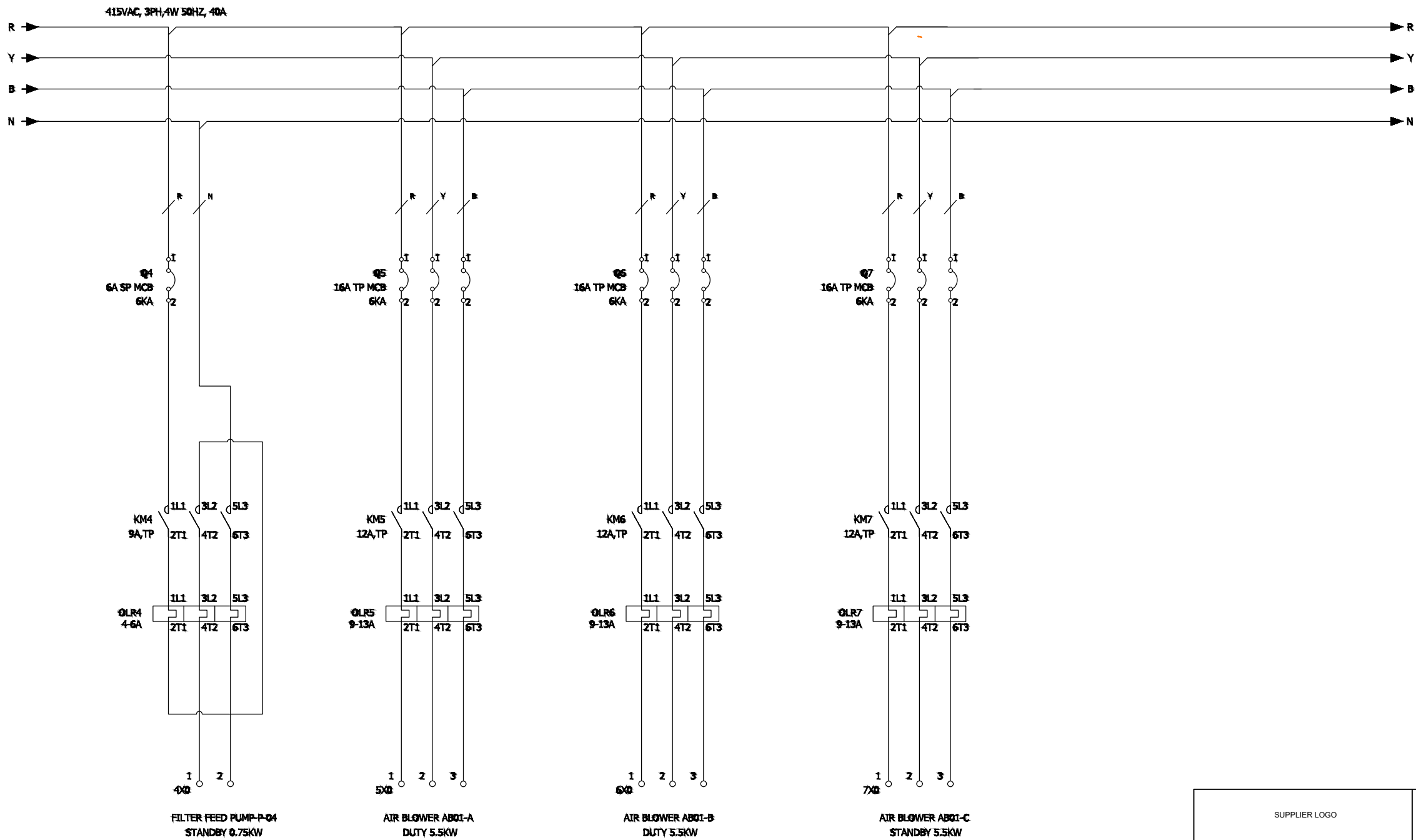
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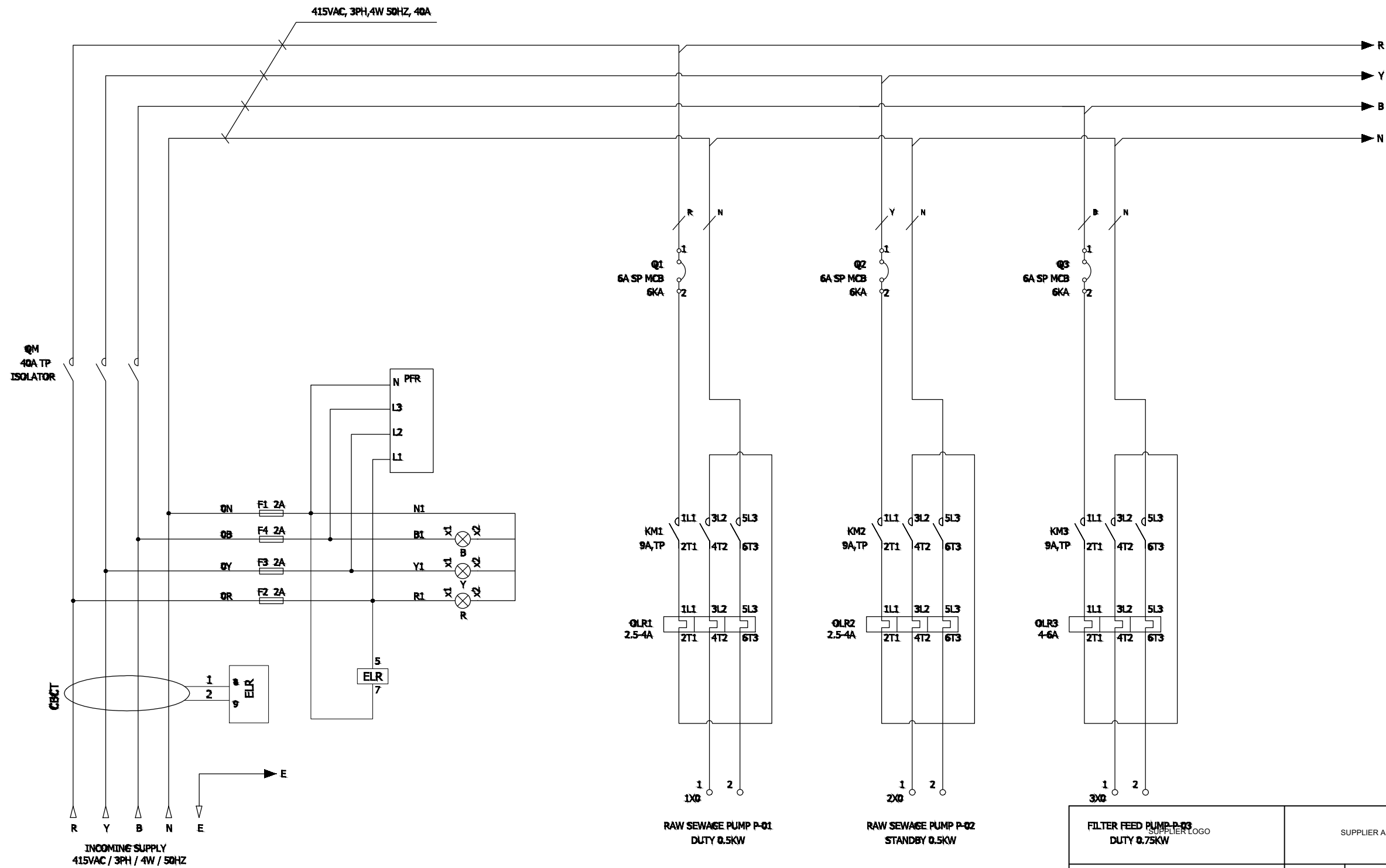
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DRAWING NUMBER					MASTER DRAWING REVISION					APPROVAL			

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REV	DATE	DRAWN BY	TEAM LEAD	ENGINEER	SIGNATURE
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PROJECT DRAWING REVISION					
AREA : XXX			SCALE : 0 1 2 3 4 5 6 7 CAD DRAWING		
PROJECT : SEWAGE TREATMENT PLANT - SAFF			CLIENT NAME		
DRWG. TYPE : PIPING AND INSTRUMENTATION DIAGRAM					
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SUPPLIER LOGO						SUPPLIER ADDRESS				
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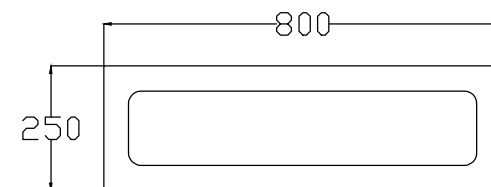
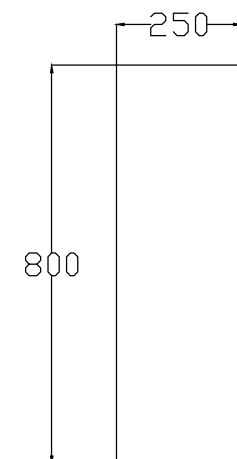
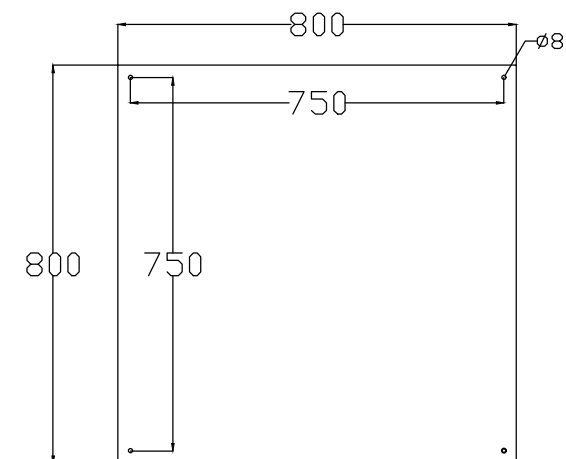
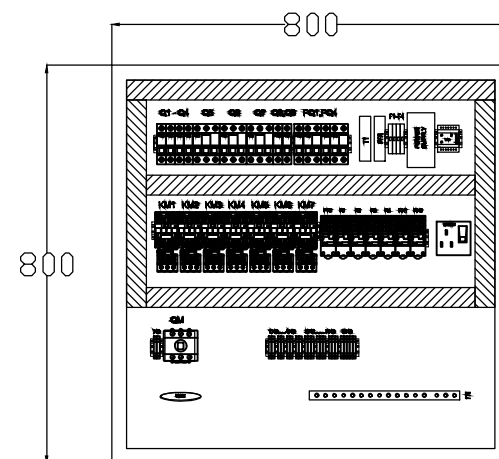
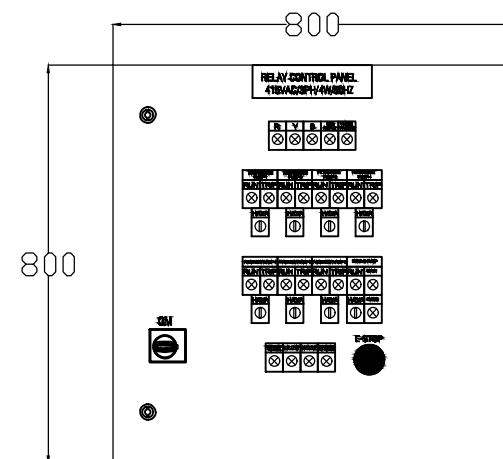
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REV	DATE	DRAWN BY	TEAM LEAD	DESIGNER	SIGNATURE
PROJECT DRAWING REVISION					
AREA : XXX			SCALE : 0 1 2 3 4 5 6 7		
PROJECT : SEWAGE TREATMENT PLANT - SAFF			CAD DRAWING		
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DESCRIPTION	AREA	S	SERIAL	SH	P	S	REV	DATE	APPROVED BY	DESCRIPTION	S.I.NO.	PROJ.ENG.	SPEC.ENG.	APPROVAL
REFERENCE DRAWINGS										MASTER DRAWING REVISION				



SUPPLIER LOGO										SUPPLIER ADDRESS										
JOB No. XXXXXX										REV.		SHEET		SCALE		SIZE				
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PROJECT DRAWING REVISION																				
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