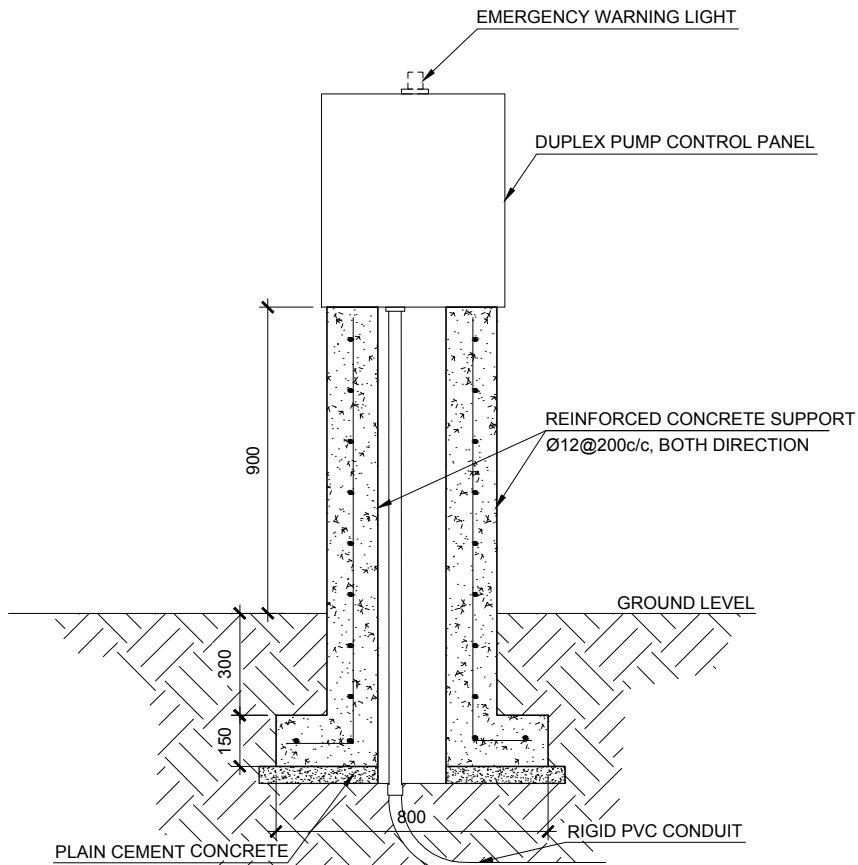
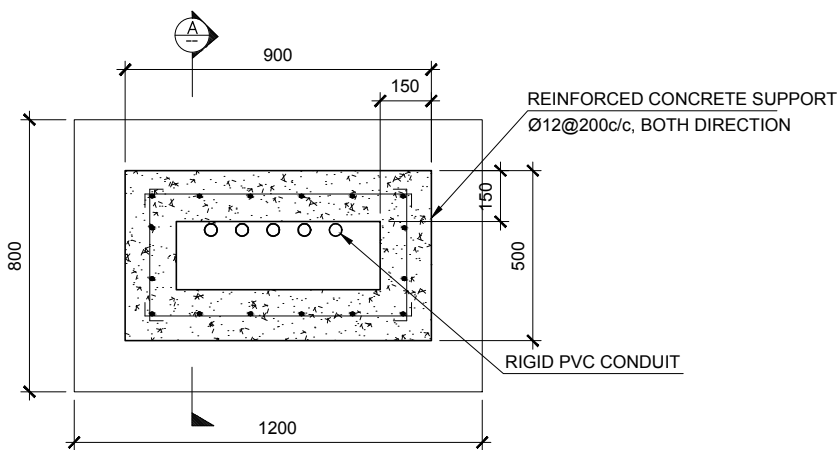


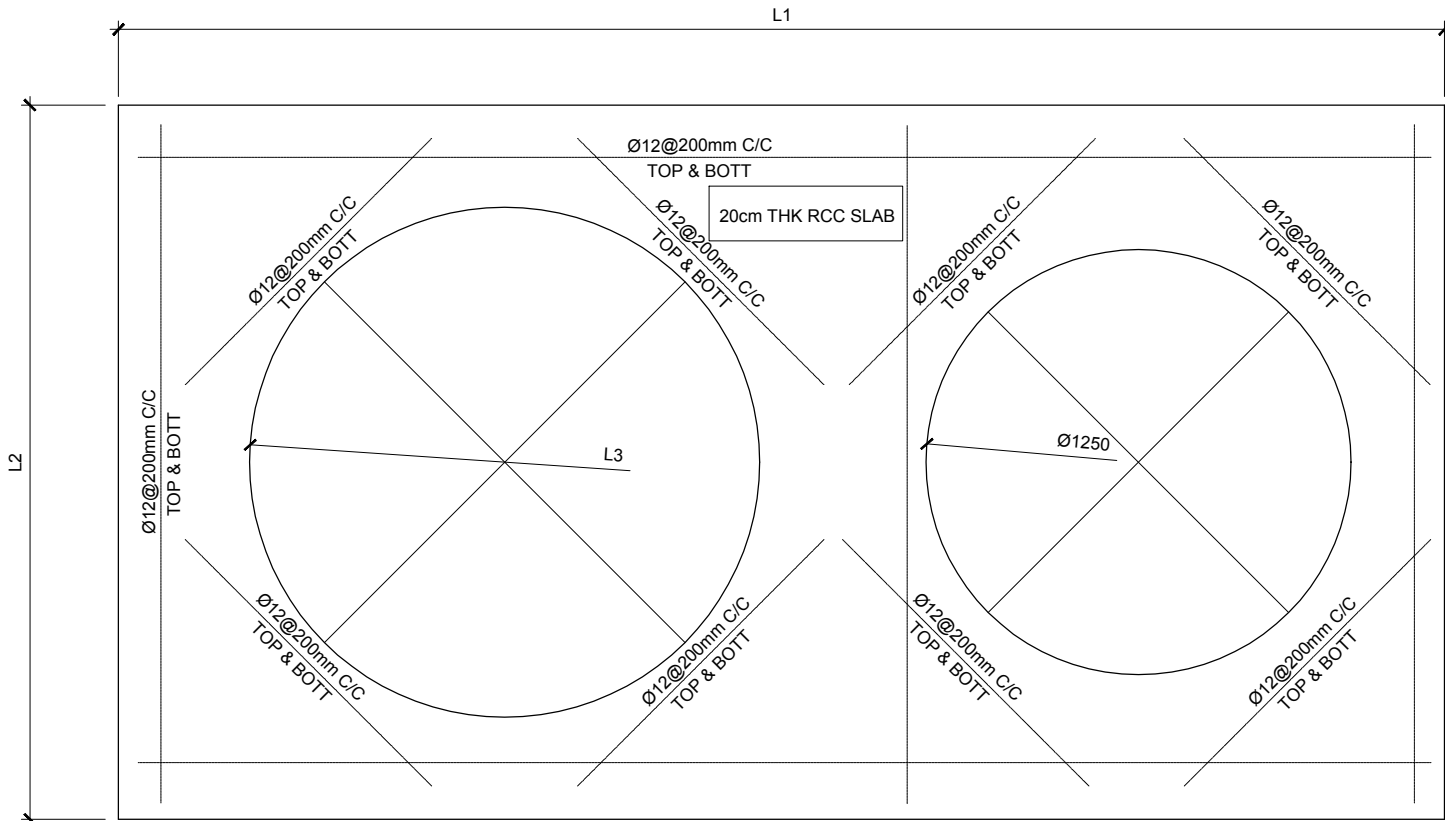
Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-108
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



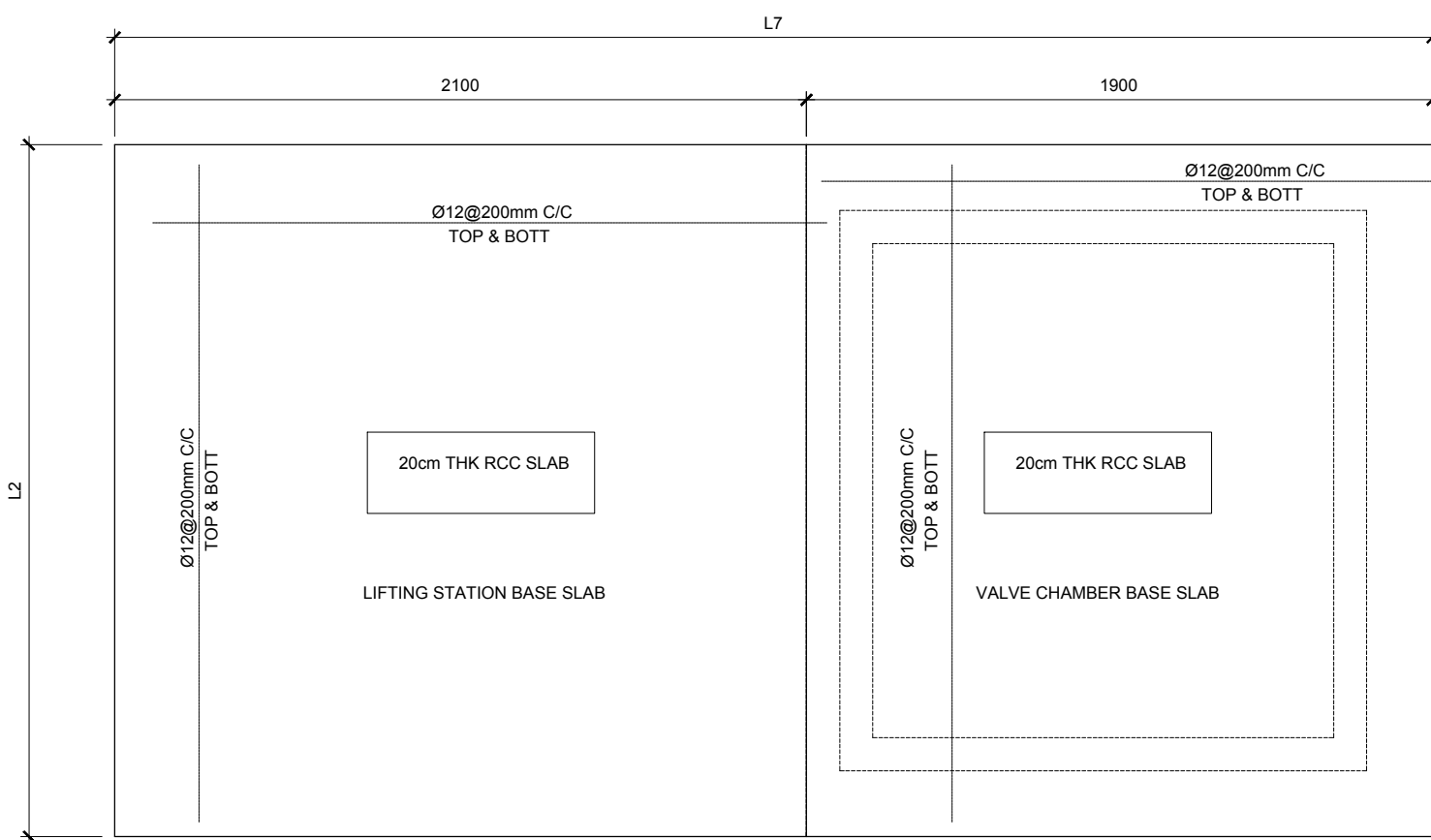
SECTION A-A



DETAILS OF CONCRETE SUPPORT
FOR CONTROL PANEL

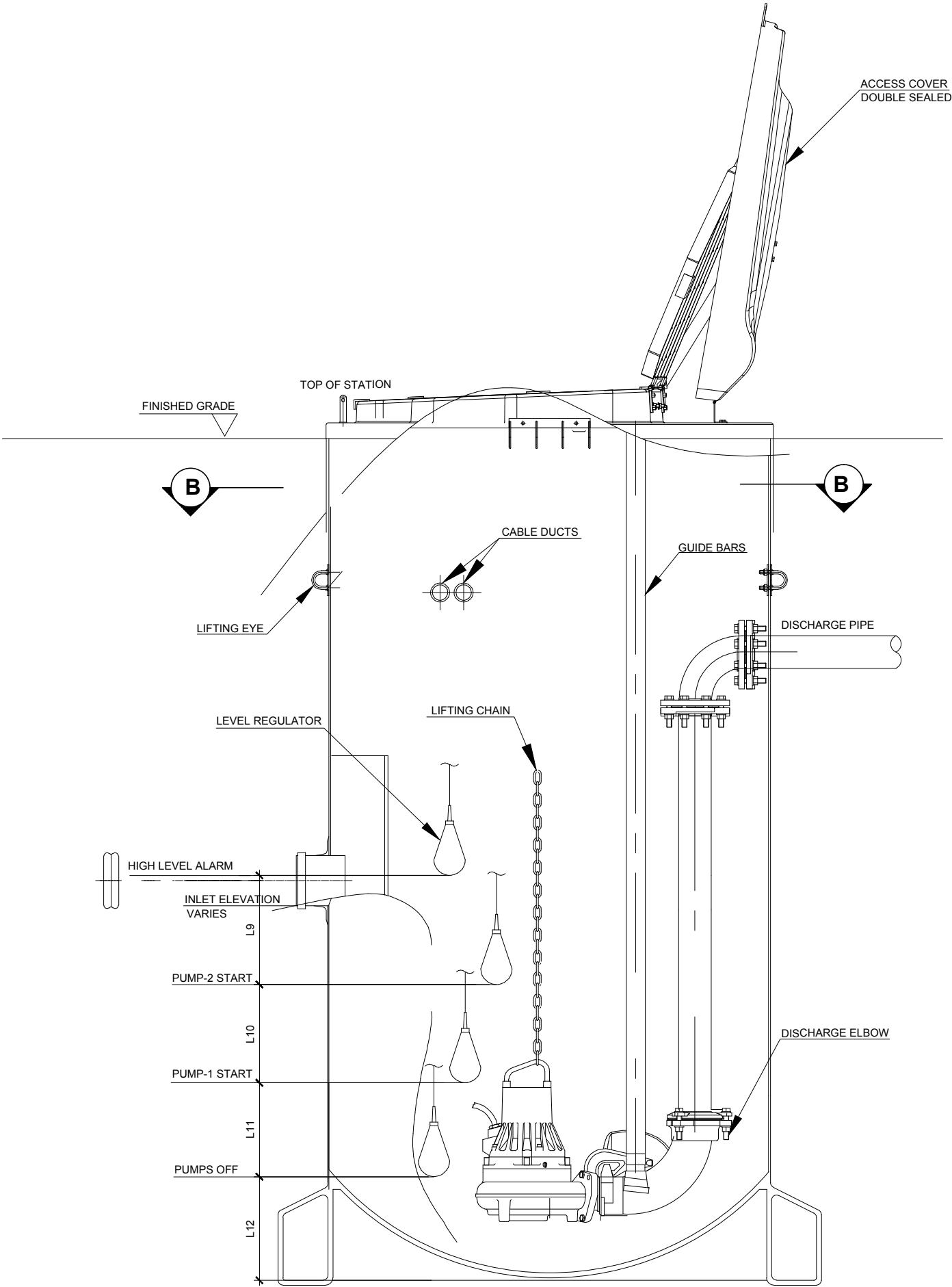


TOP SLAB OF LIFTING STATION

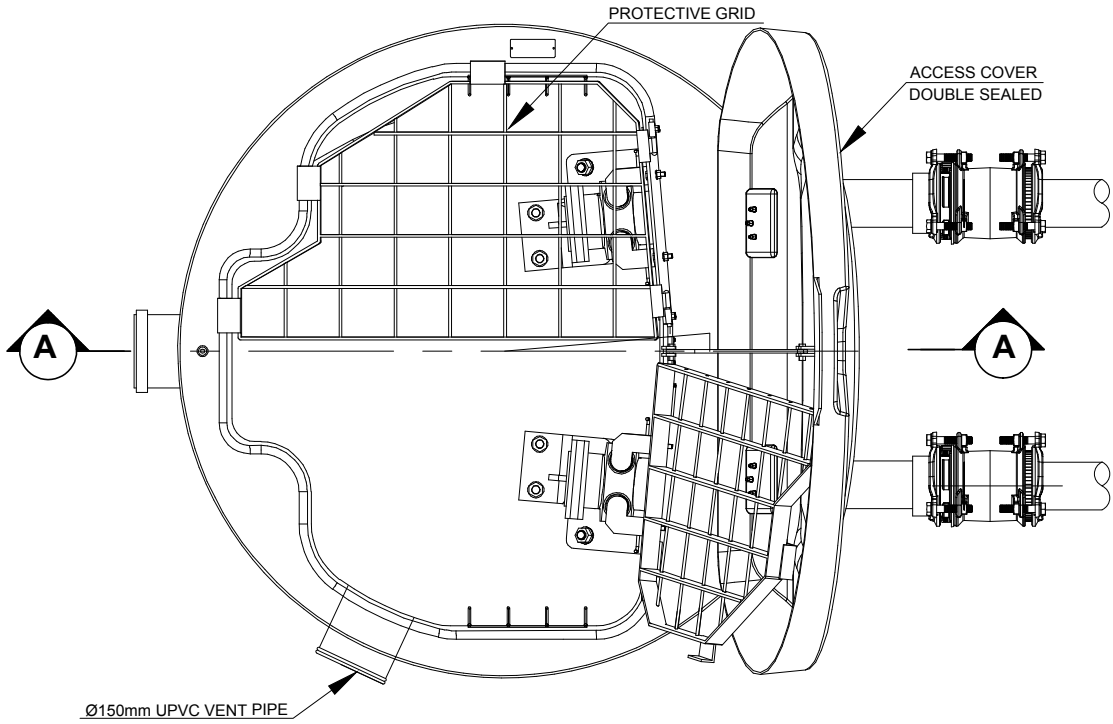


BOTTOM SLAB OF LIFTING STATION

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-109
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	

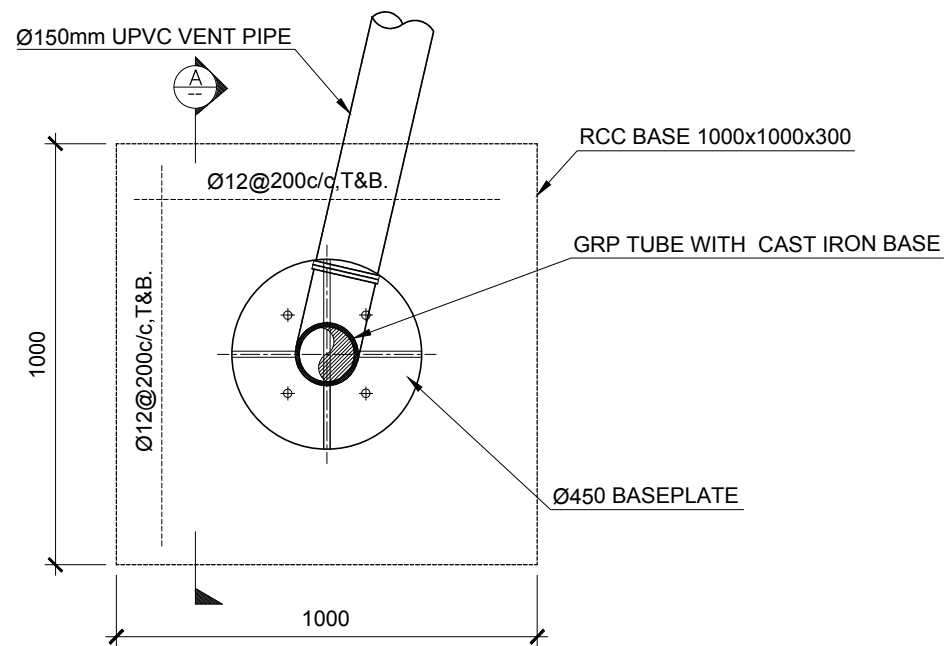


SECTION - PACKAGED PUMP STATION

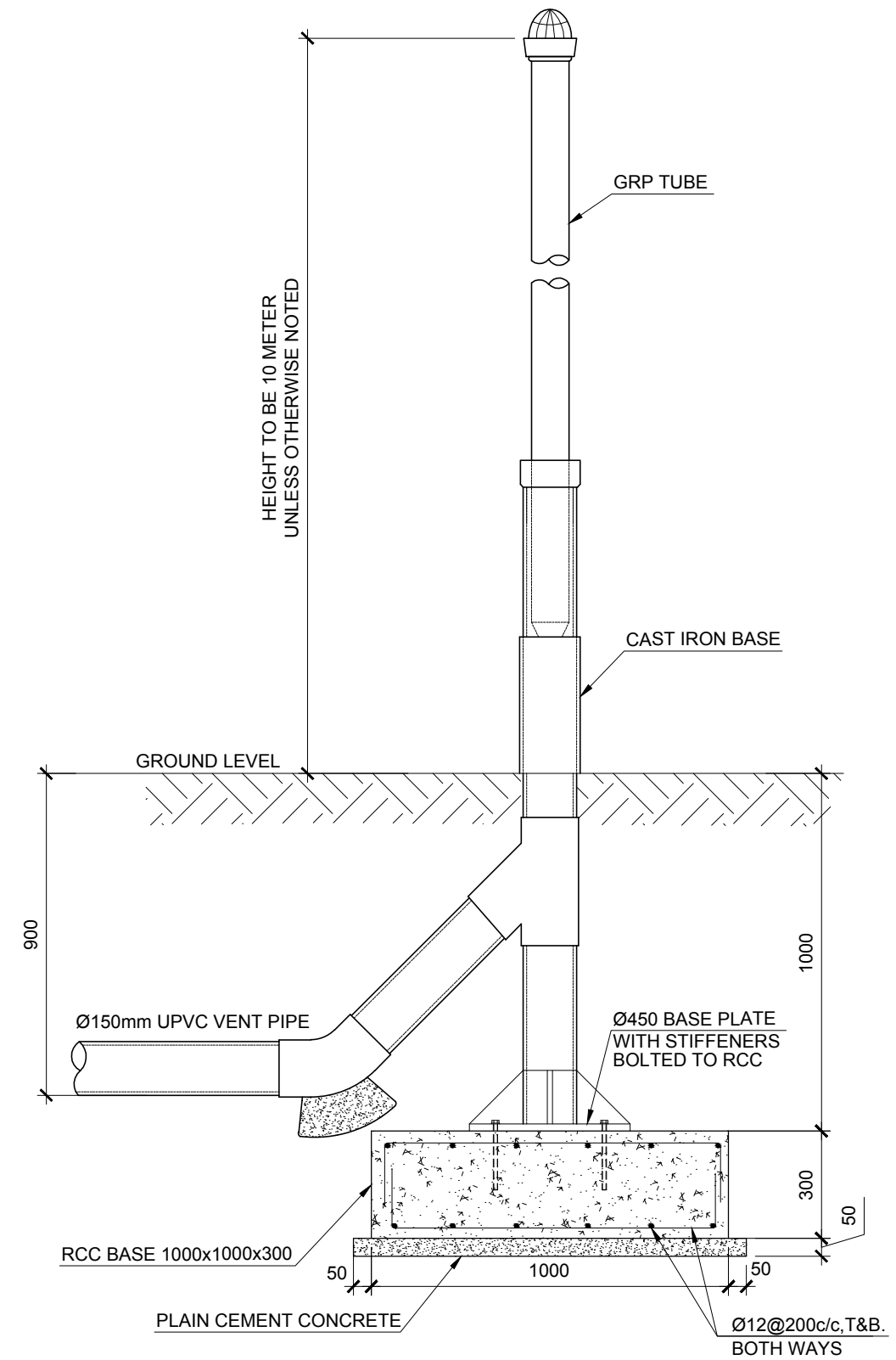


PLAN - PACKAGED PUMP STATION

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@mecco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-110
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



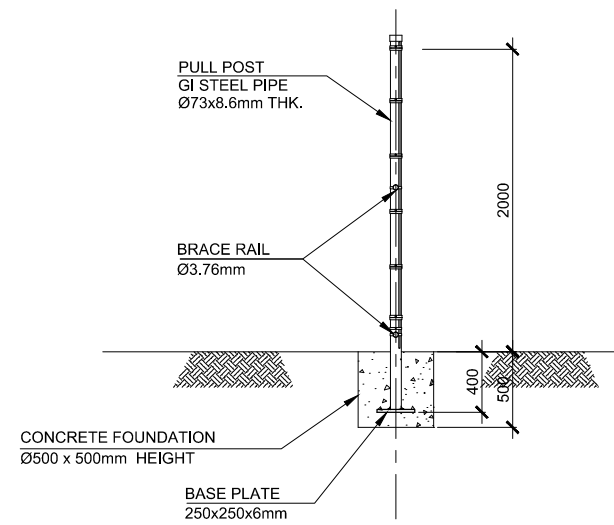
PLAN



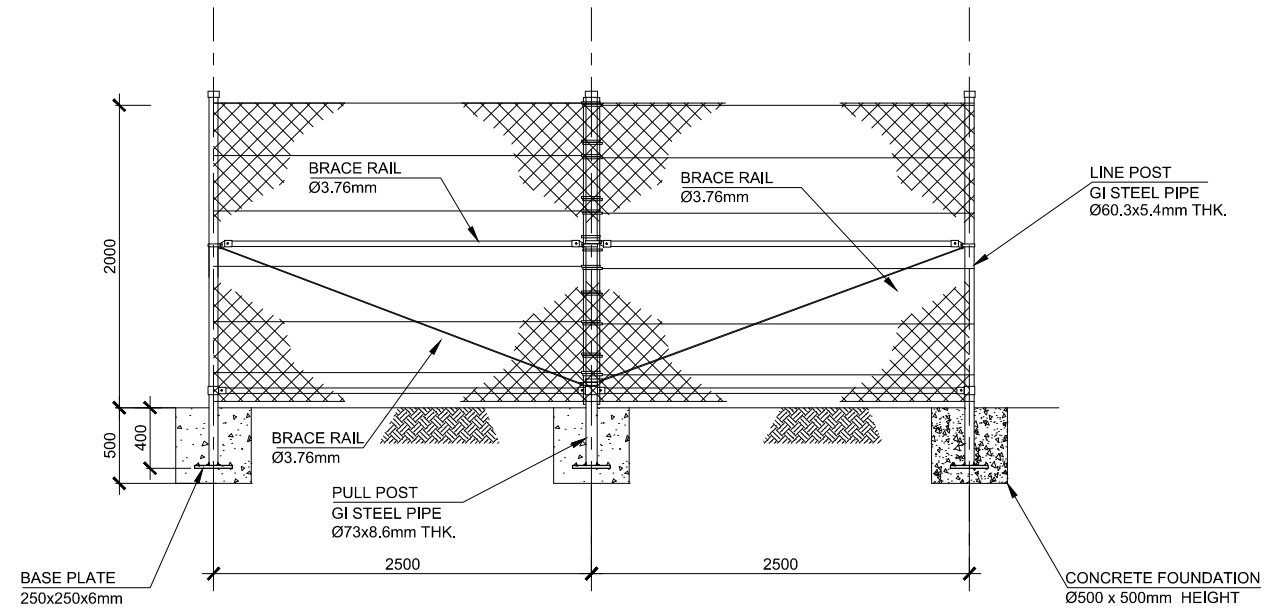
SECTION A-A

DETAILS OF VENT STACK

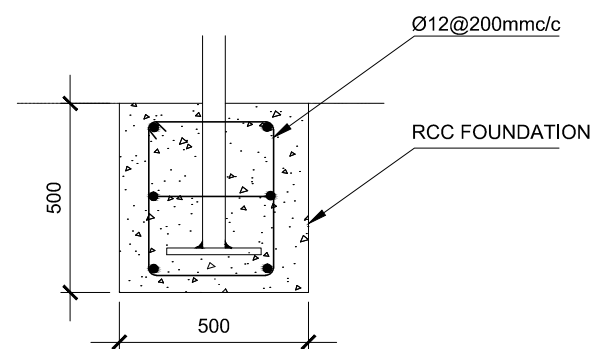
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-111 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
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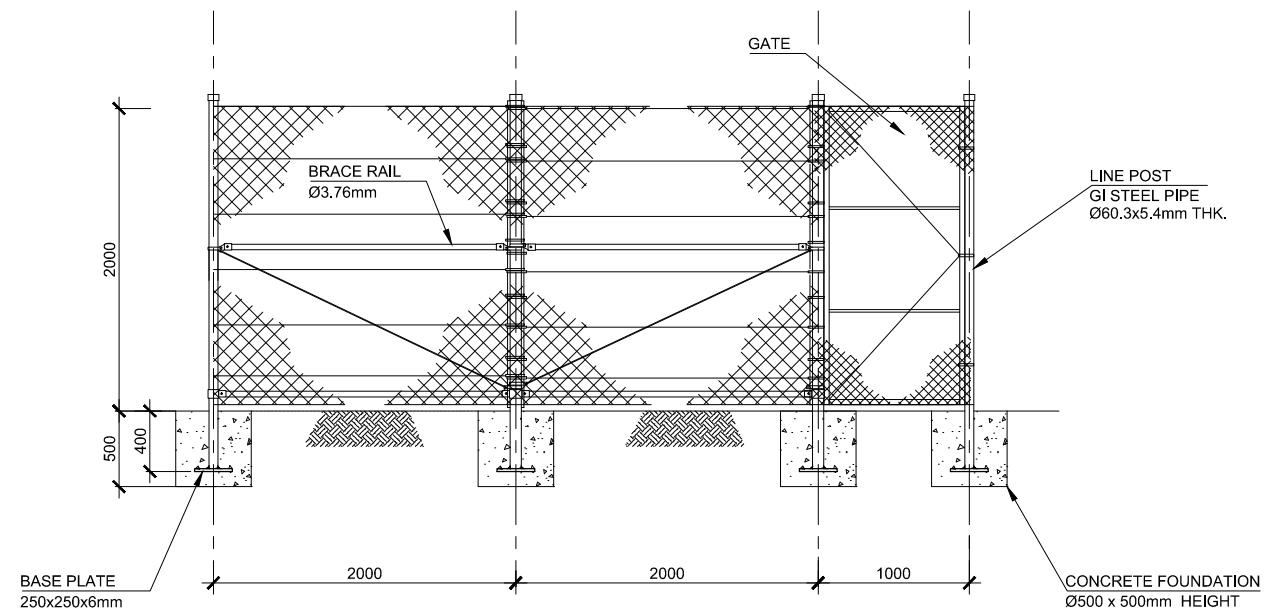
SECTIONAL VIEW
SCALE 1: 50



FENCE ELEVATION
SCALE 1: 50

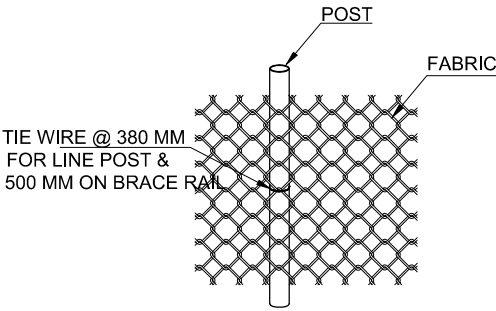


FOUNDATION
SCALE 1: 20

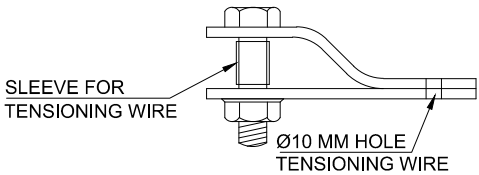


FRONT ELEVATION
SCALE 1: 50

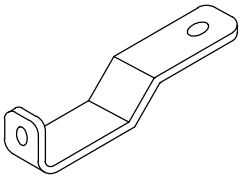
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-112 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



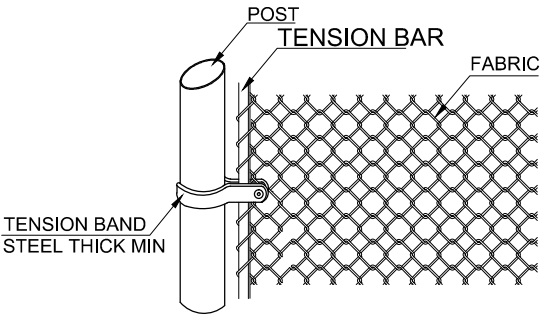
FIXING OF THE TIE WIRE ON
LINE POST / BRACE RAIL PIPE



WINDING BRACKET



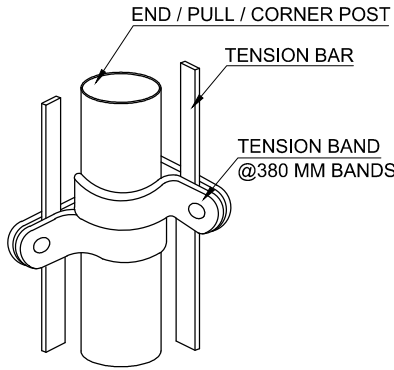
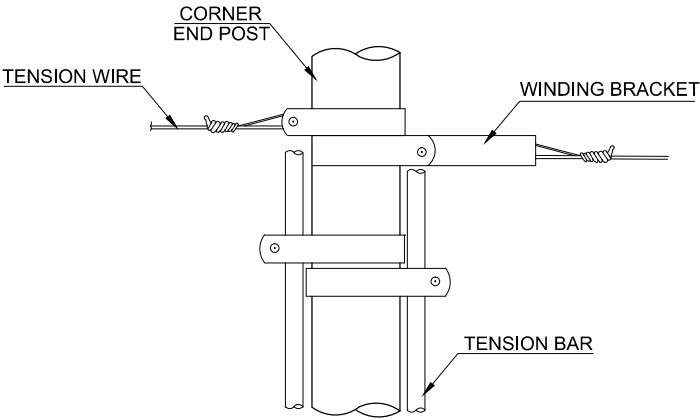
TURN BUCKLE



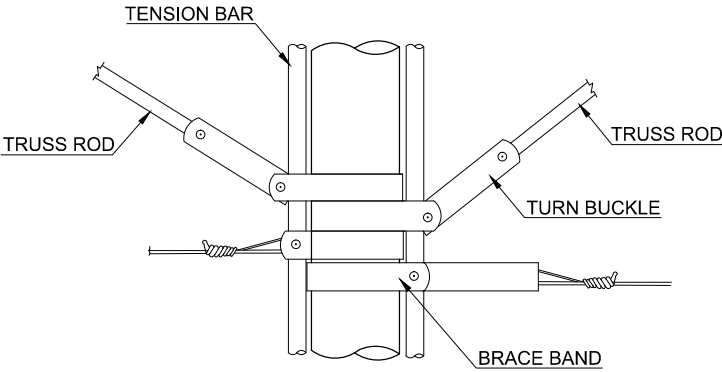
TENSION BAR CONNECTION



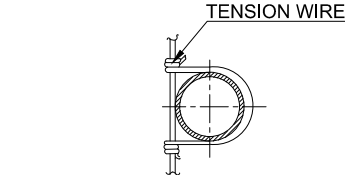
HOG RING



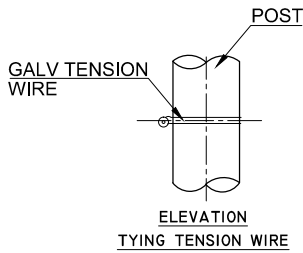
CORNER POST CONNECTION



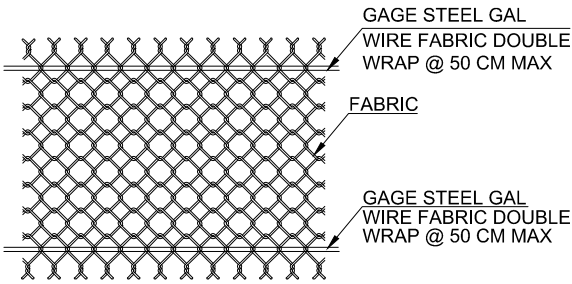
PULL / END / CORNER POST DETAIL



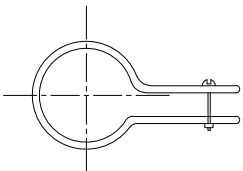
PLAN



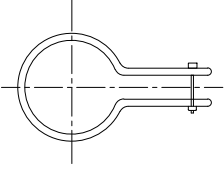
ELEVATION
TYING TENSION WIRE



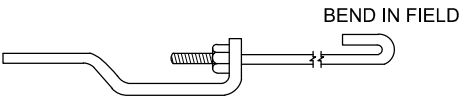
TYPING FABRIC TO
TENSION WIRE



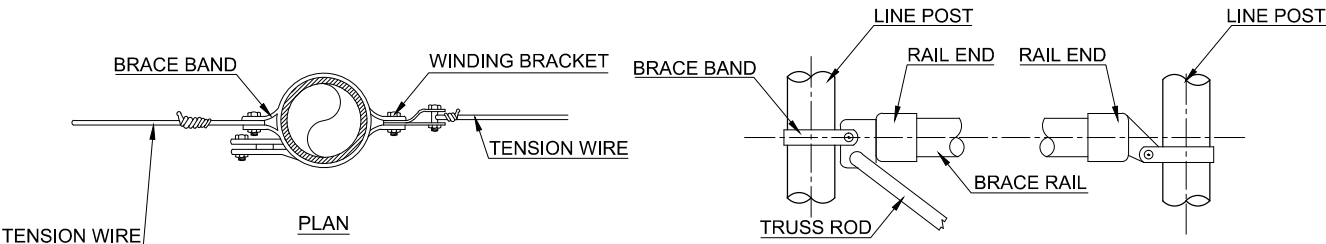
TENSION BAND



BRACE BAND

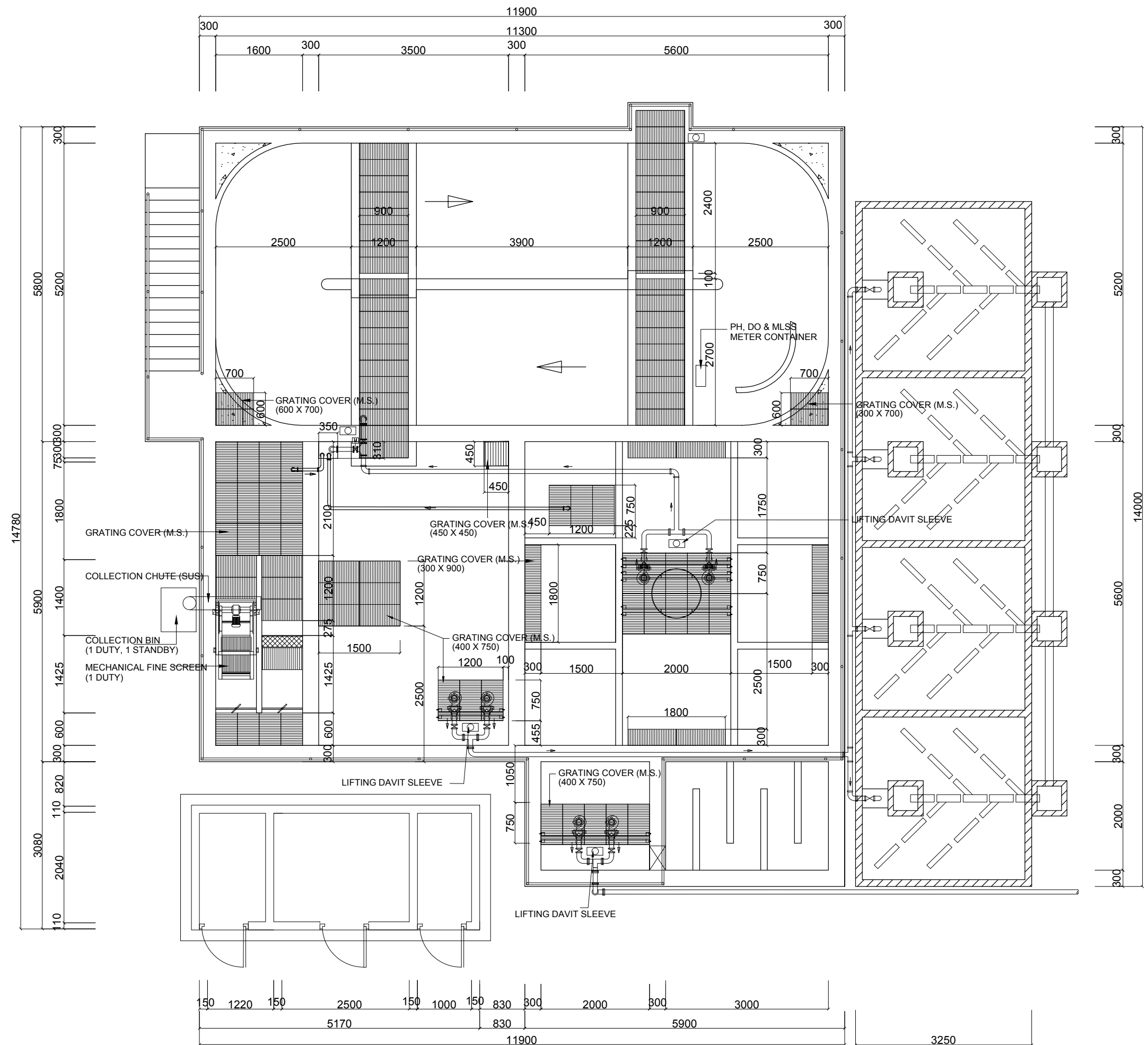


TRUSS ROD AND TURN BUCKLE ASSEMBLY

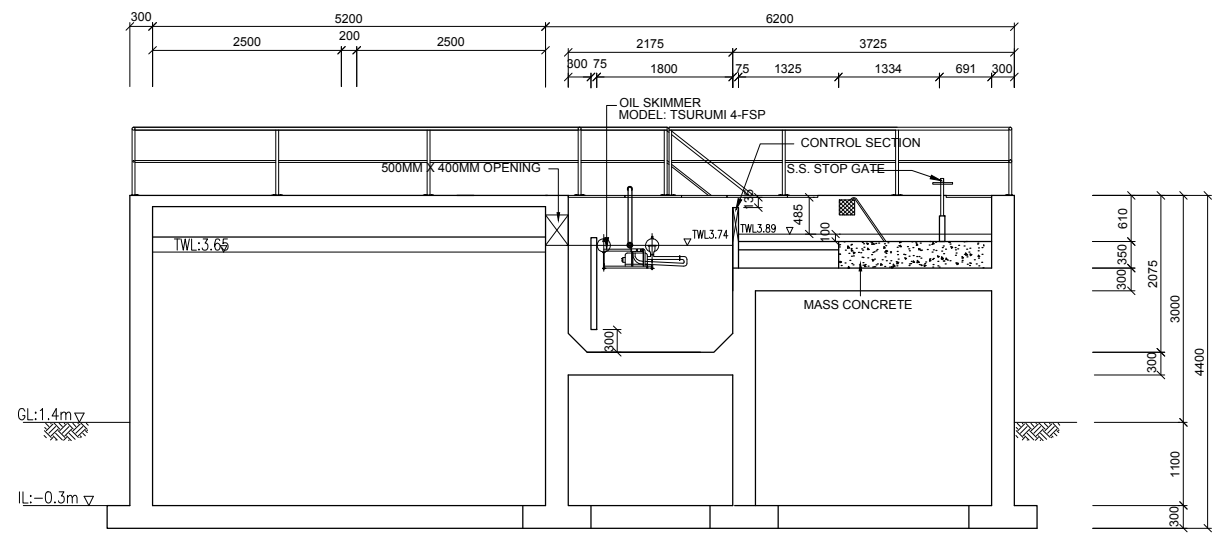


RAIL END & BRACE RAIL END
@ END / CORNER POST

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-113
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



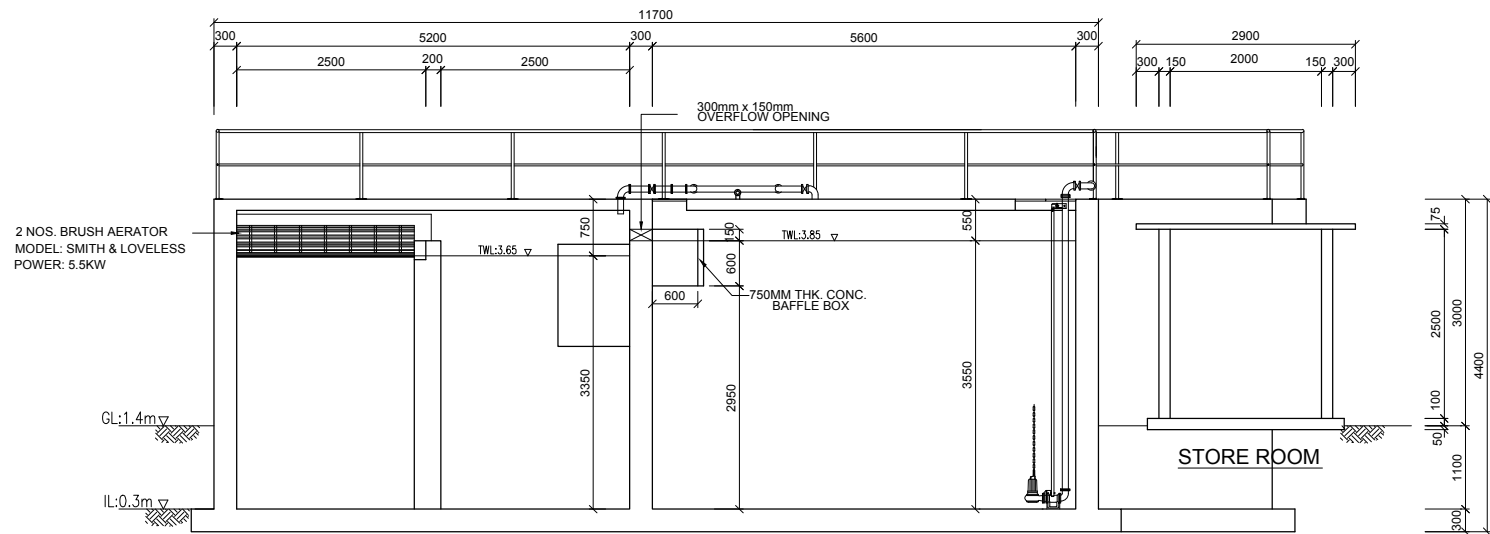
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A. Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-114
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



SEC. SCREEN, GRIT , DISTRIBUTION CHANNEL & GREASE CHAMBER

SECTION D-D

SCALE 1:100

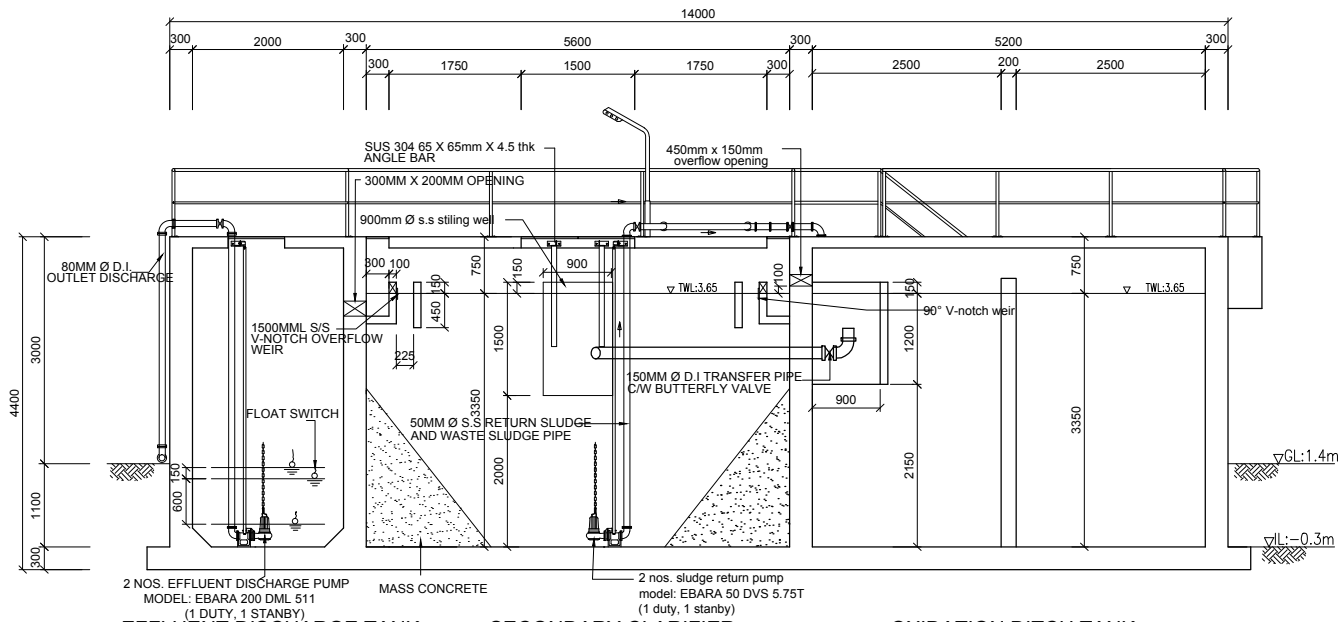


OXIDATION DITCH TANK

SECTION E-E

SCALE 1:100

HOLDING TANK



EFFLUENT DISCHARGE TANK

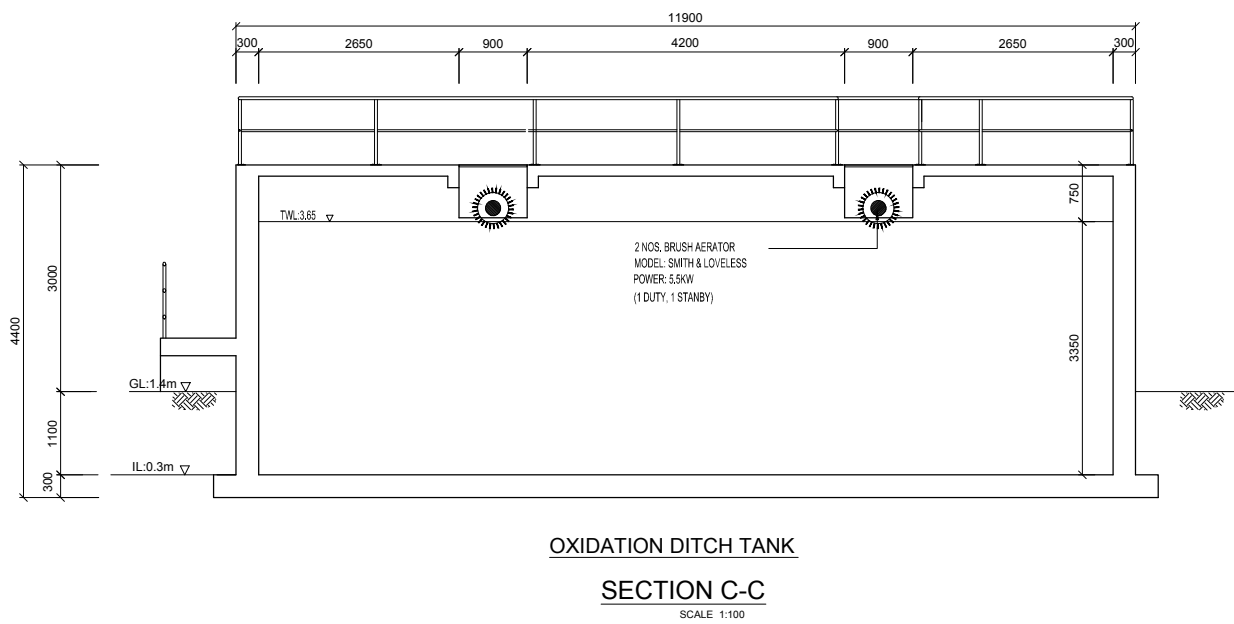
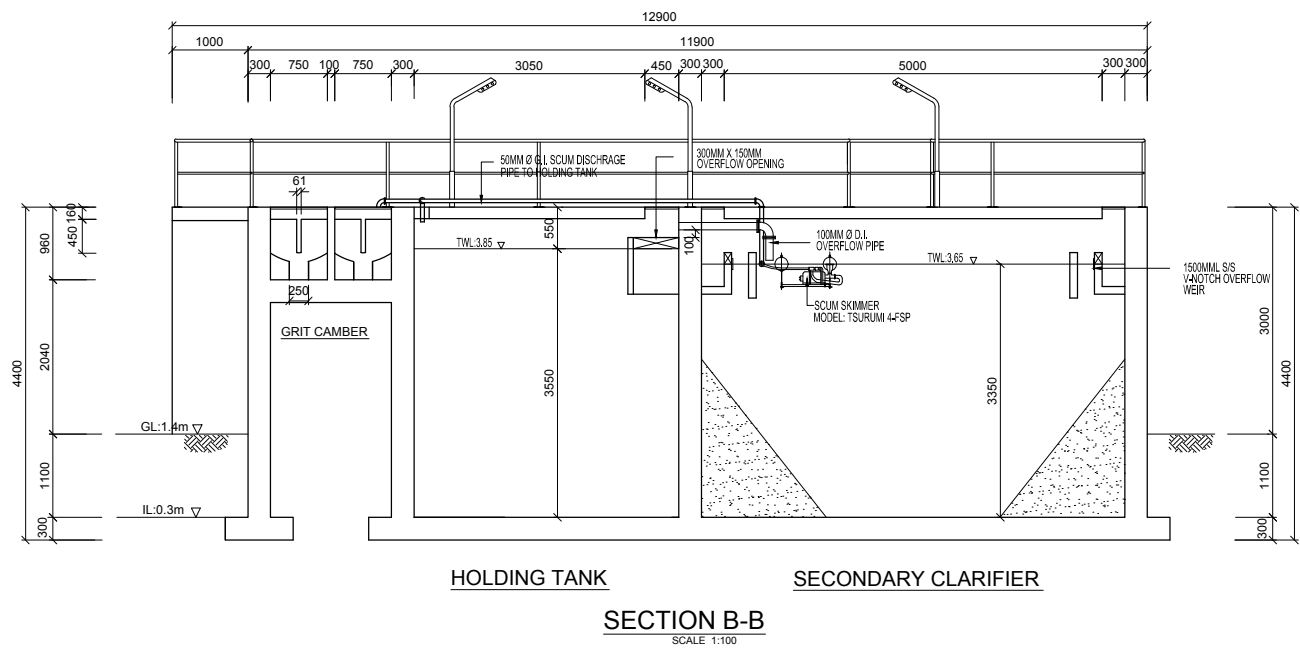
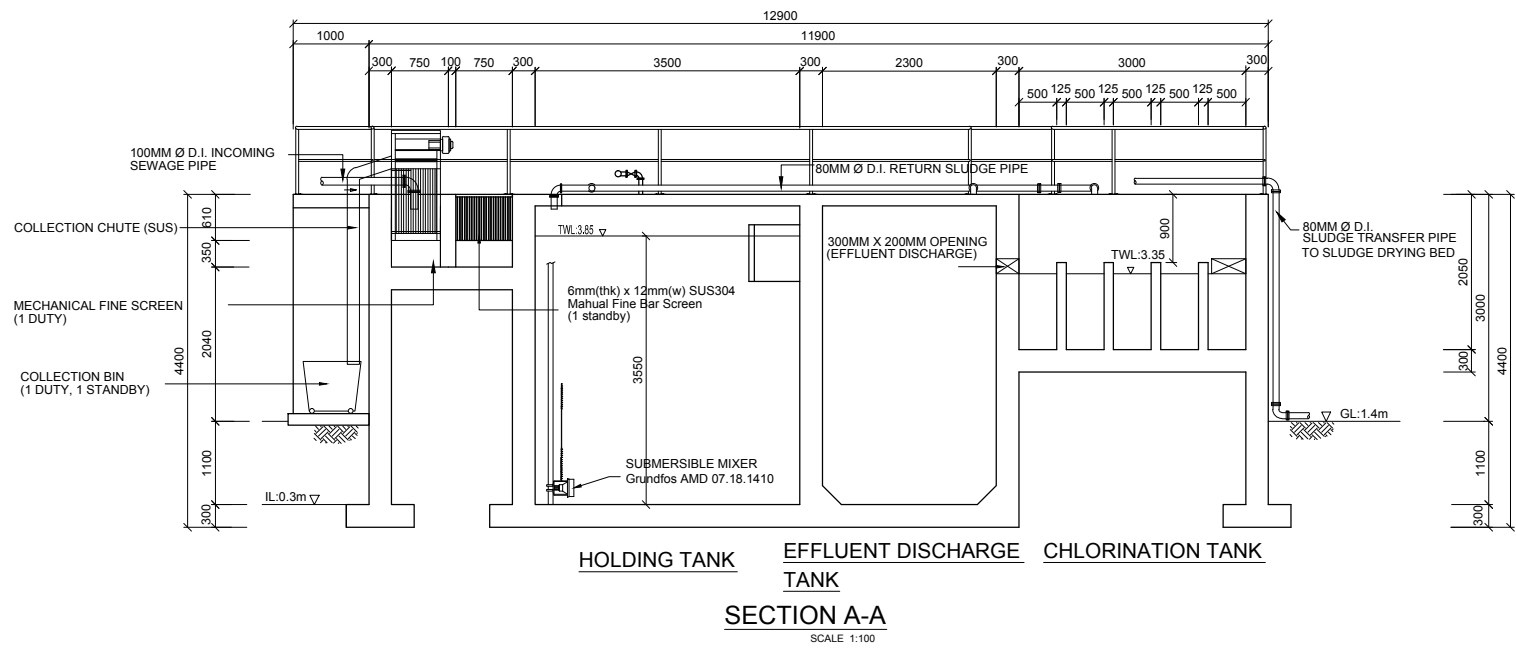
SECONDARY CLARIFIER

OXIDATION DITCH TANK

SECTION F-F

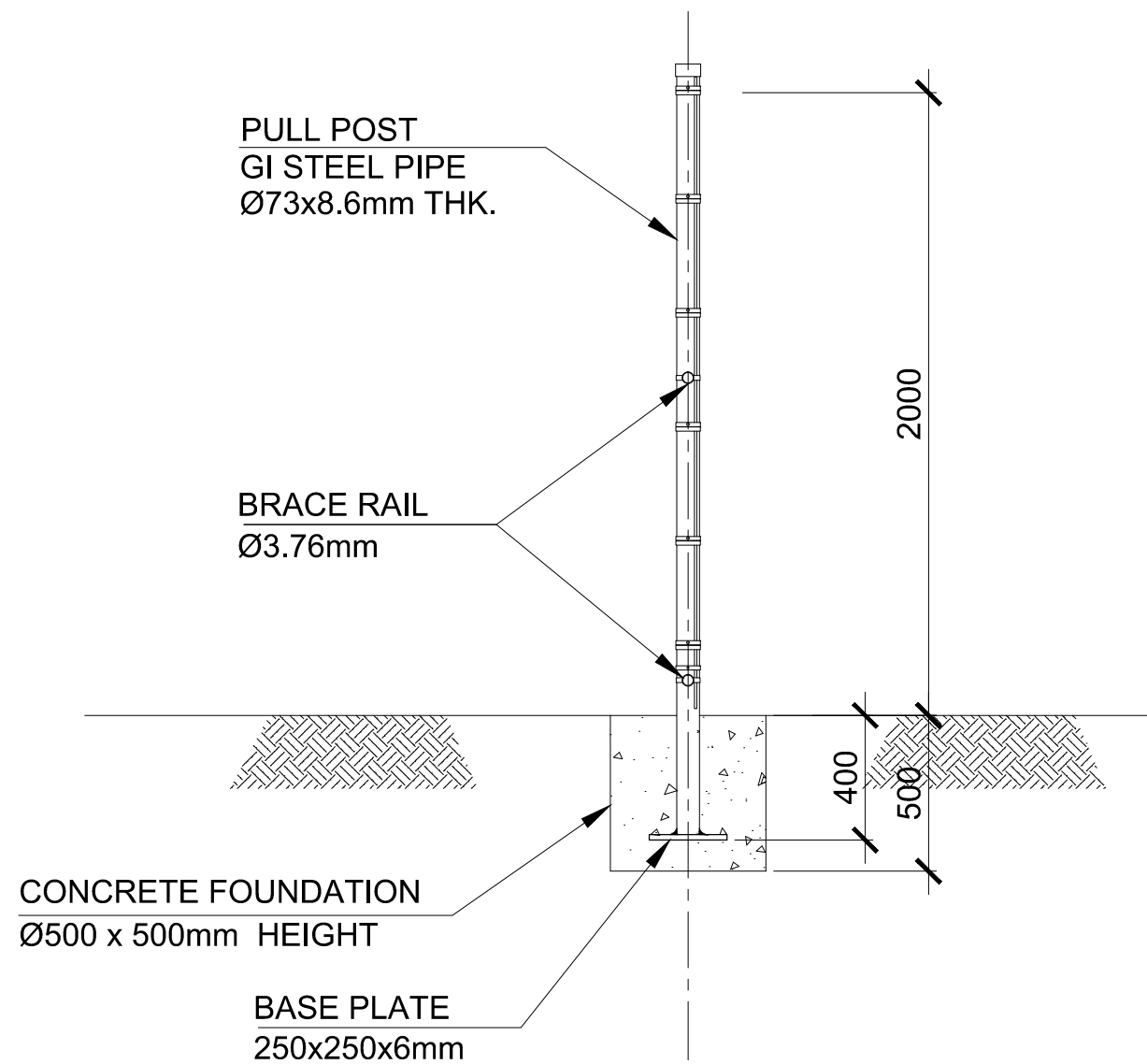
SCALE 1:100

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-115
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
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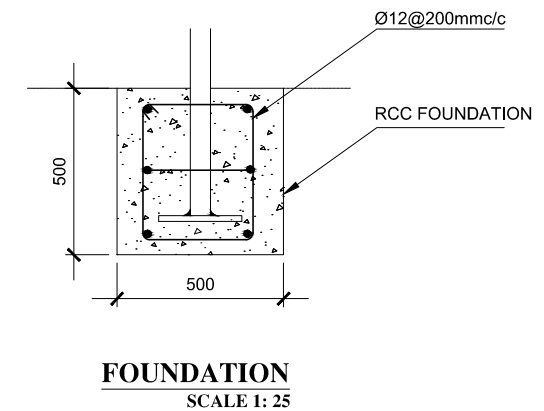


Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-116 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
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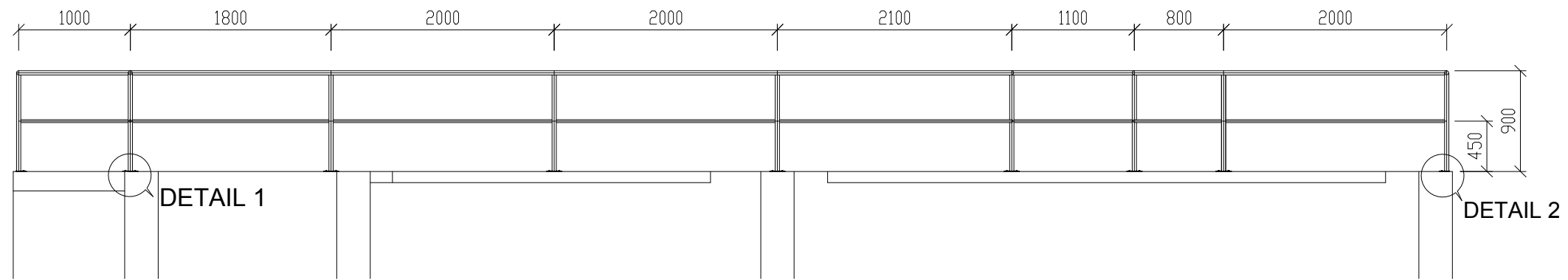
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-117
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



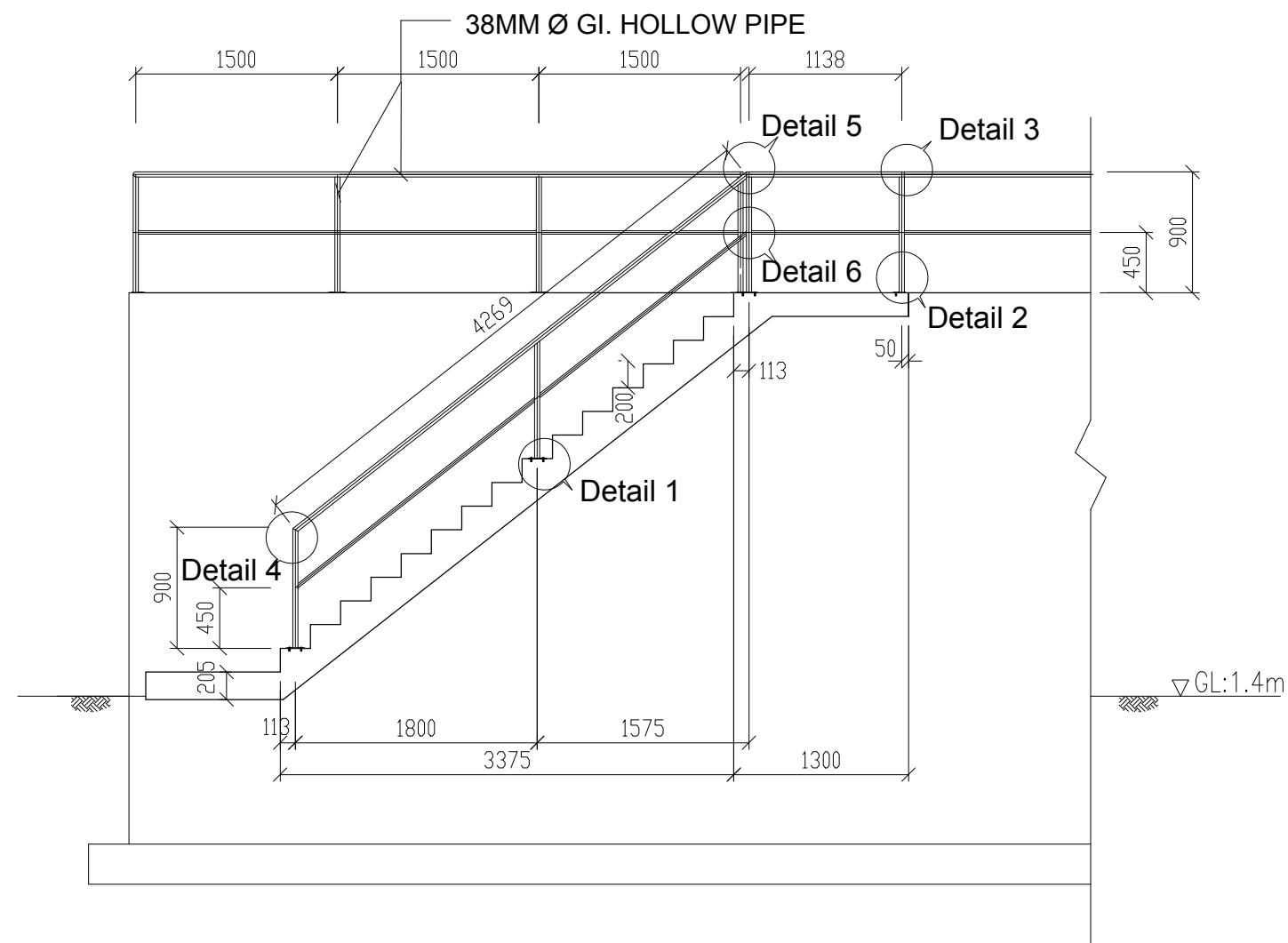
SECTIONAL VIEW
SCALE 1: 50



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-117 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



HANRAIL DETAL



HANDRAIL DETAL

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-118 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
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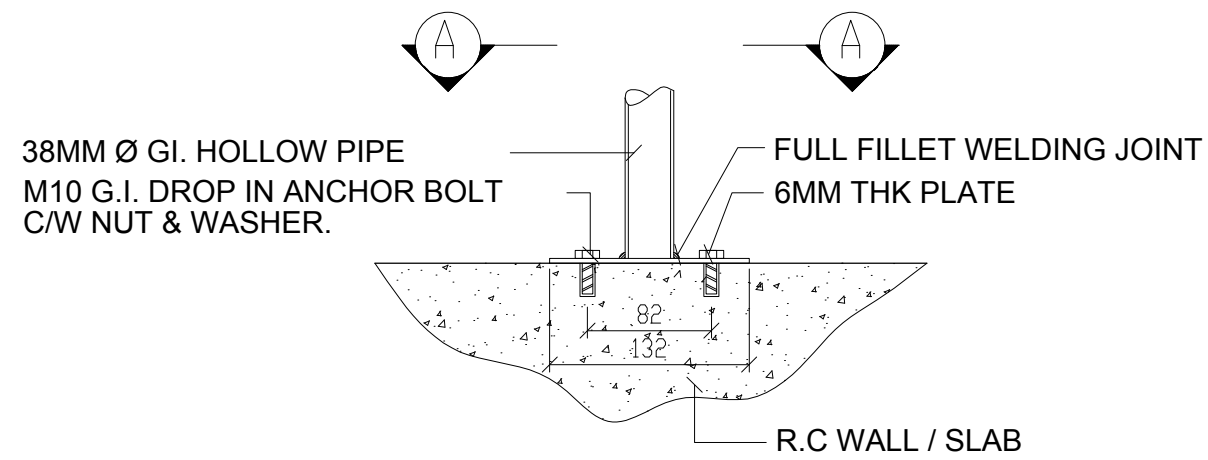


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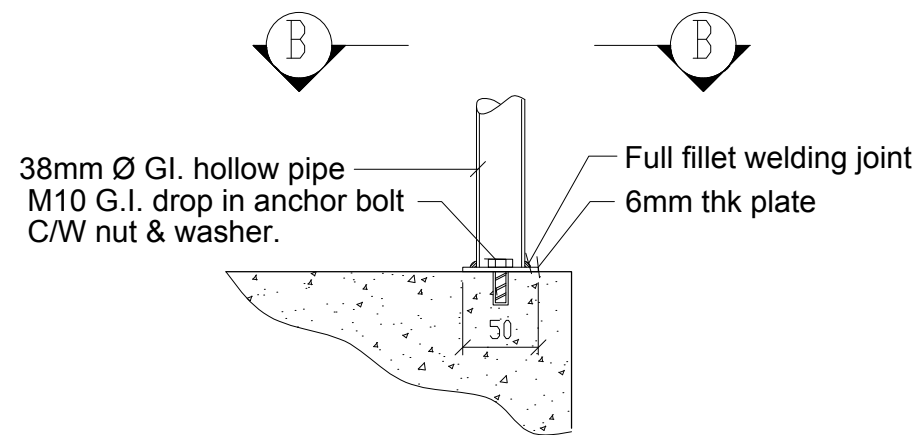


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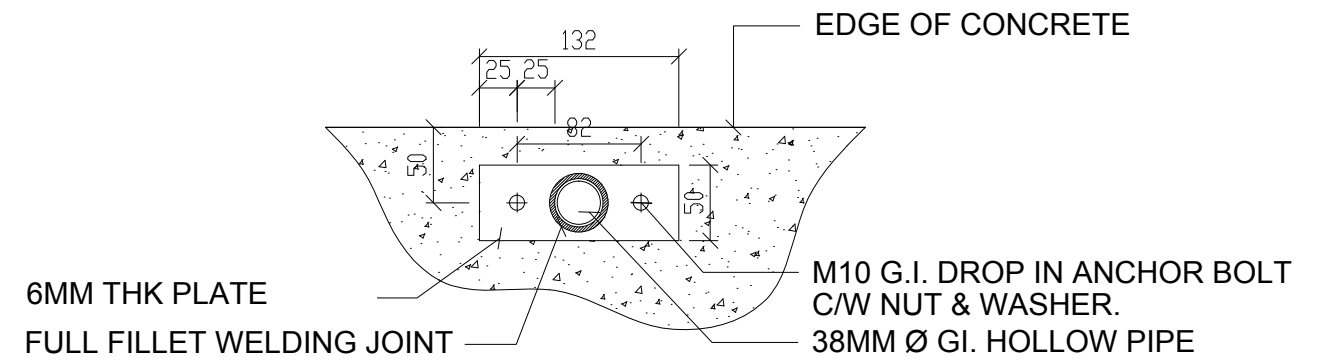
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
	2nd Floor, Aakakaaga-1, Galolhu, Alikilegefaanu Magu Malé, 2029 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-118.1
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



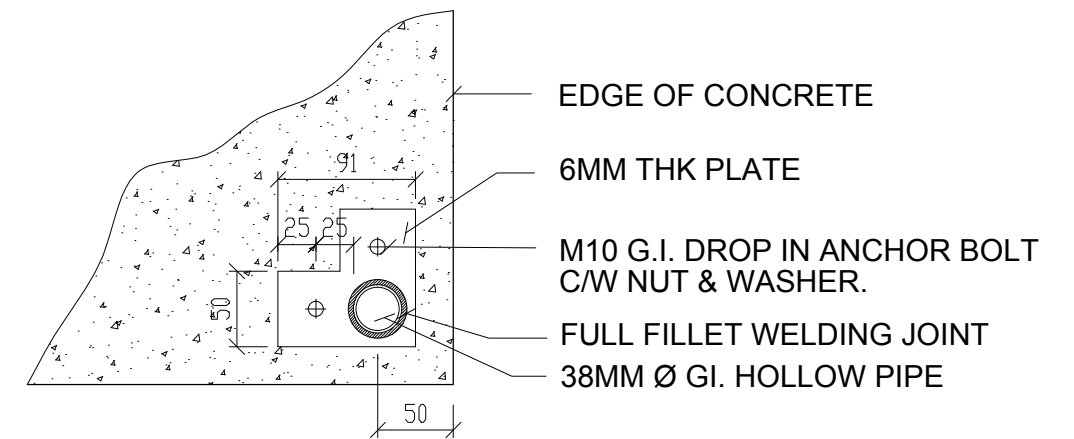
DETAIL 1



DETAIL 2



SECTION A - A

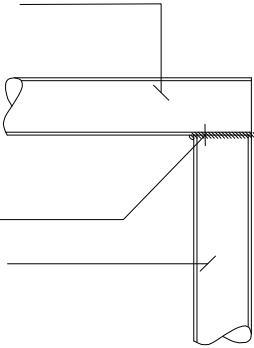


SECTION B - B

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@mecco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-118.2 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	

38MM Ø GI. HOLLOW PIPE

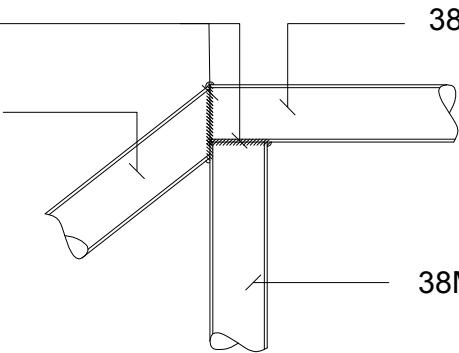
FULL FILLET WELDING JOINT
38MM Ø GI. HOLLOW PIPE



DETAIL 3

FULL FILLET WELDING JOINT

38MM Ø GI. HOLLOW PIPE



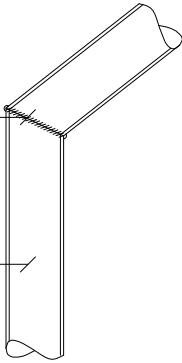
38MM Ø GI. HOLLOW PIPE

38MM Ø GI. HOLLOW PIPE

DETAIL 5

FULL FILLET WELDING JOINT

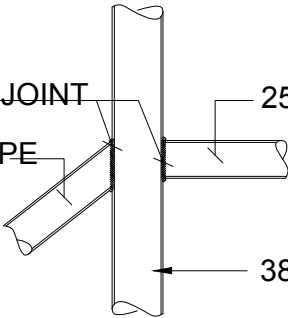
38MM Ø GI. HOLLOW PIPE



DETAIL 4

FULL FILLET WELDING JOINT

25MM Ø GI. HOLLOW PIPE

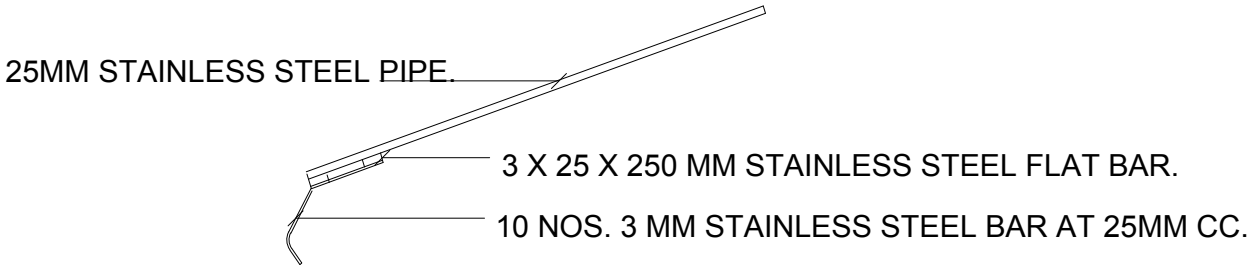


25MM Ø GI. HOLLOW PIPE

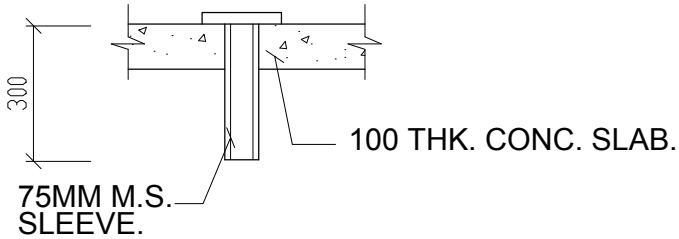
38MM Ø GI. HOLLOW PIPE

DETAIL 6

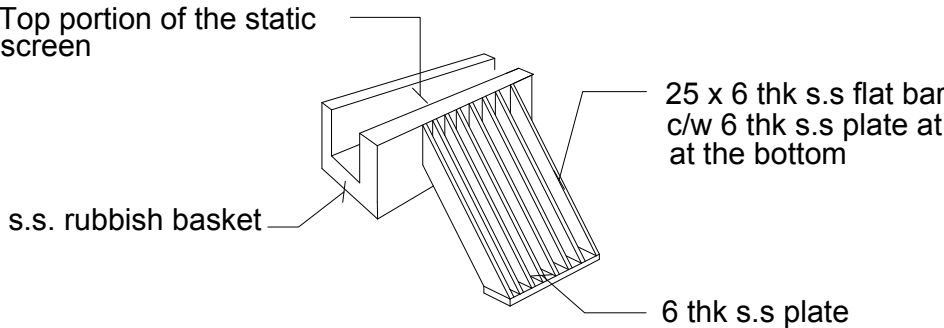
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-118.3 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



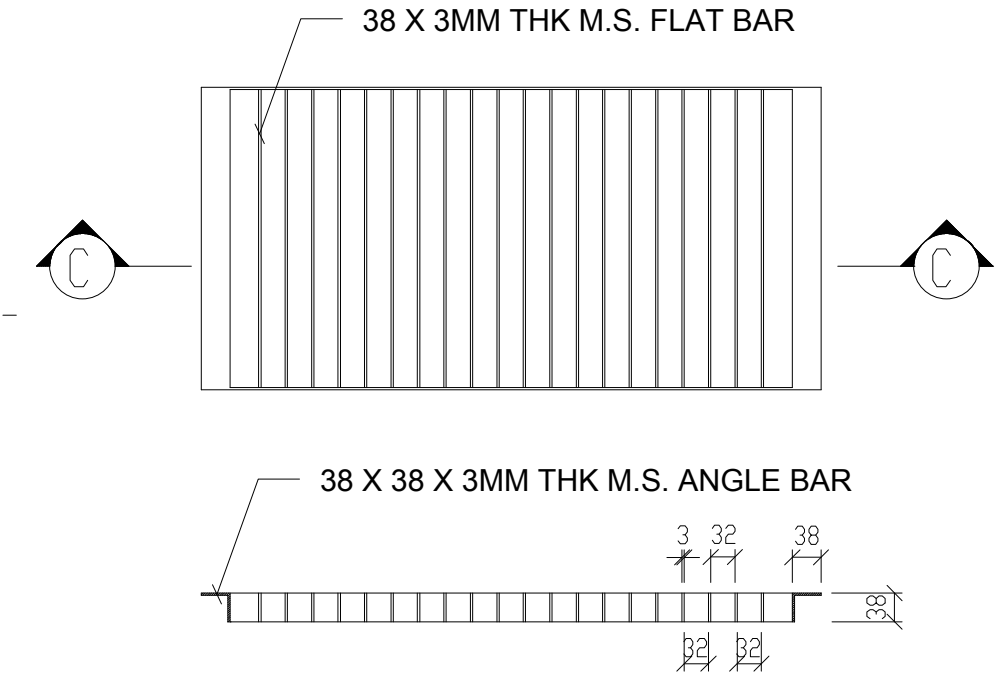
DETAIL OF STAINLESS STEEL RAKE
NOT TO SCALE



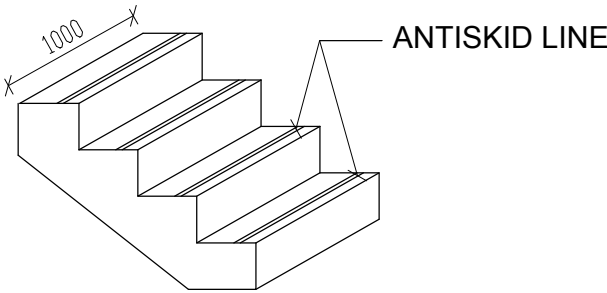
M.S. SLEEVE FOR LIFTING DEVICE
NOT TO SCALE



DETAIL OF STATIC SCREEN
NOT TO SCALE



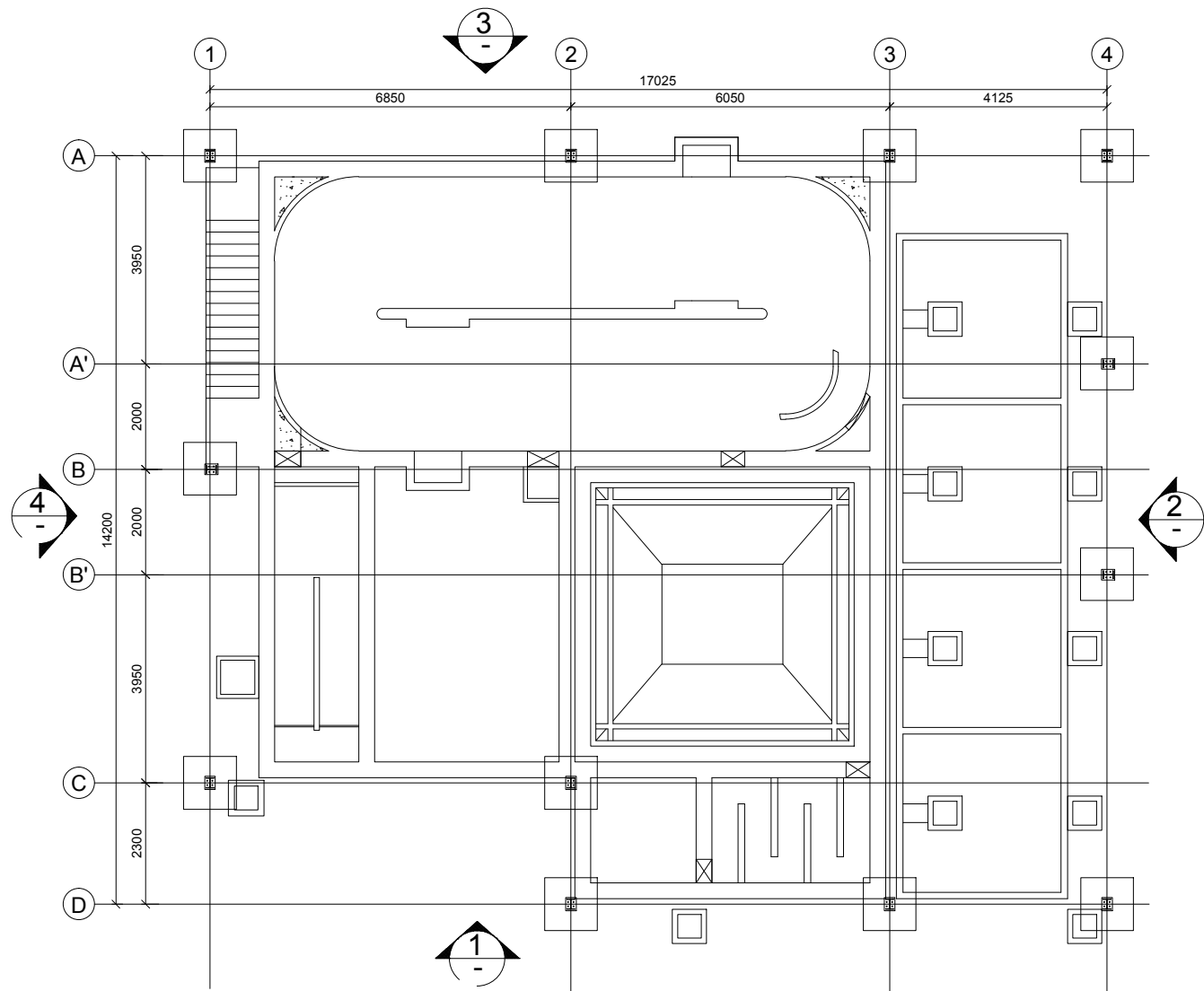
SECTION C - C



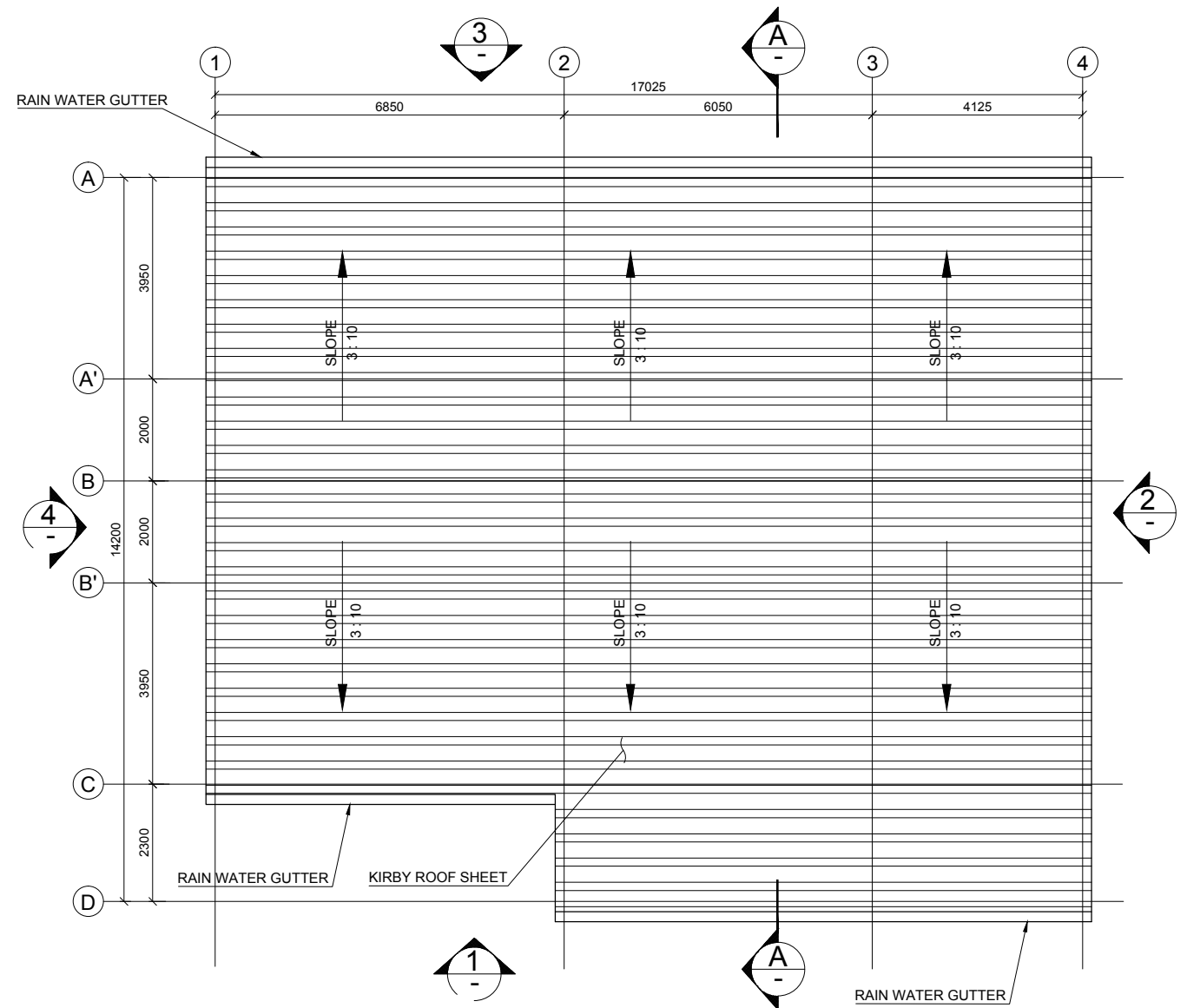
ANTISKID LINE OF R.C STAIRCASE
NOT TO SCALE

M.S. GRATING COVER
NOT TO SCALE

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-118.4
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	

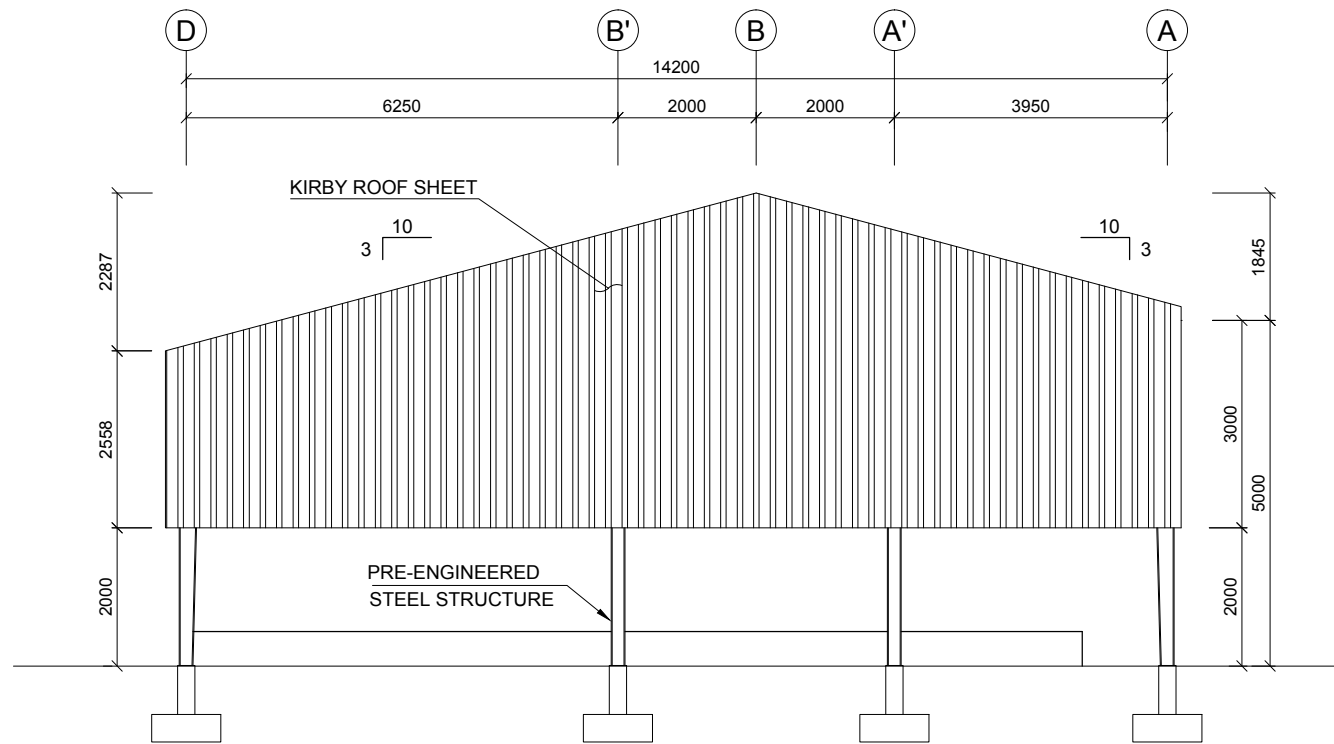


FLOOR PLAN

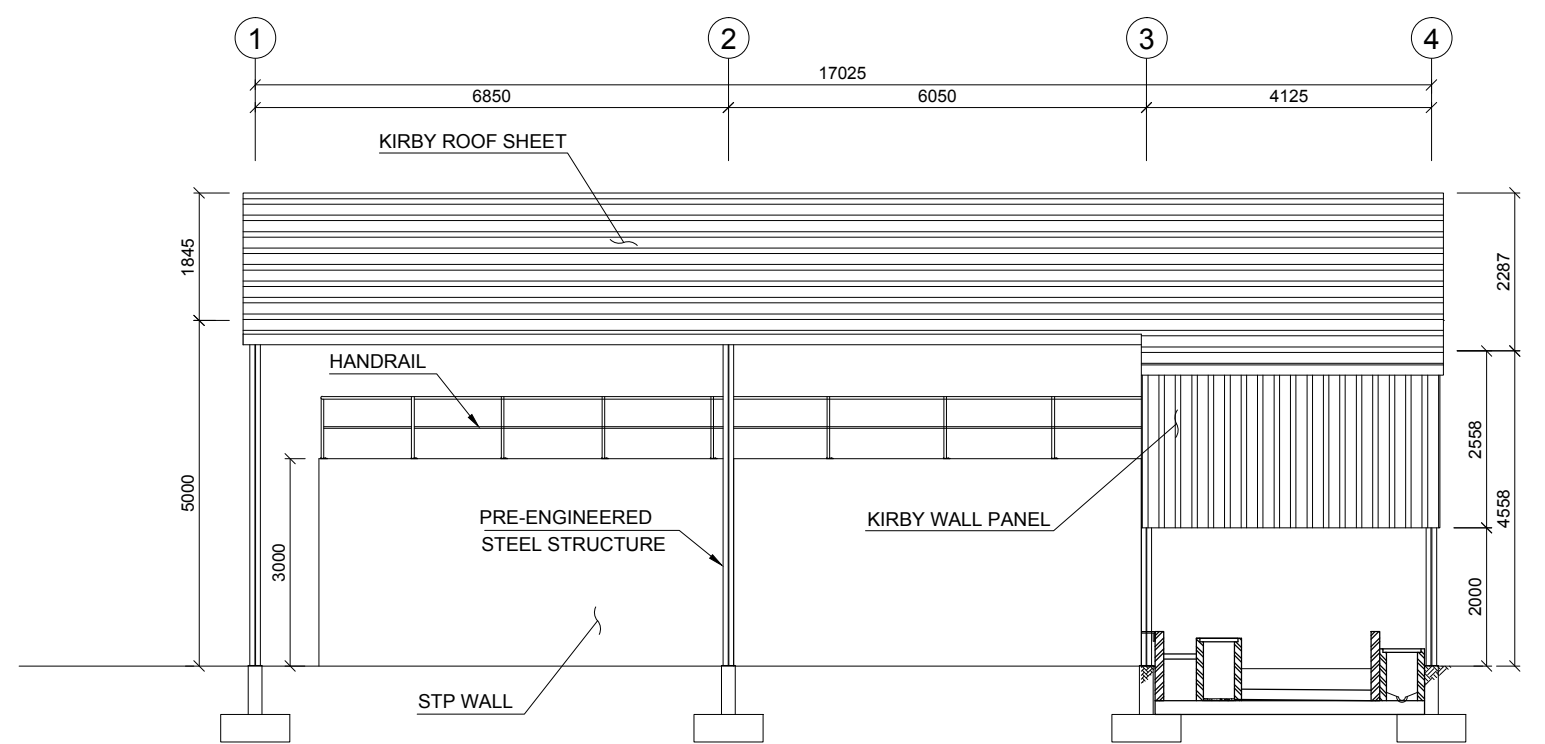


ROOF PLAN

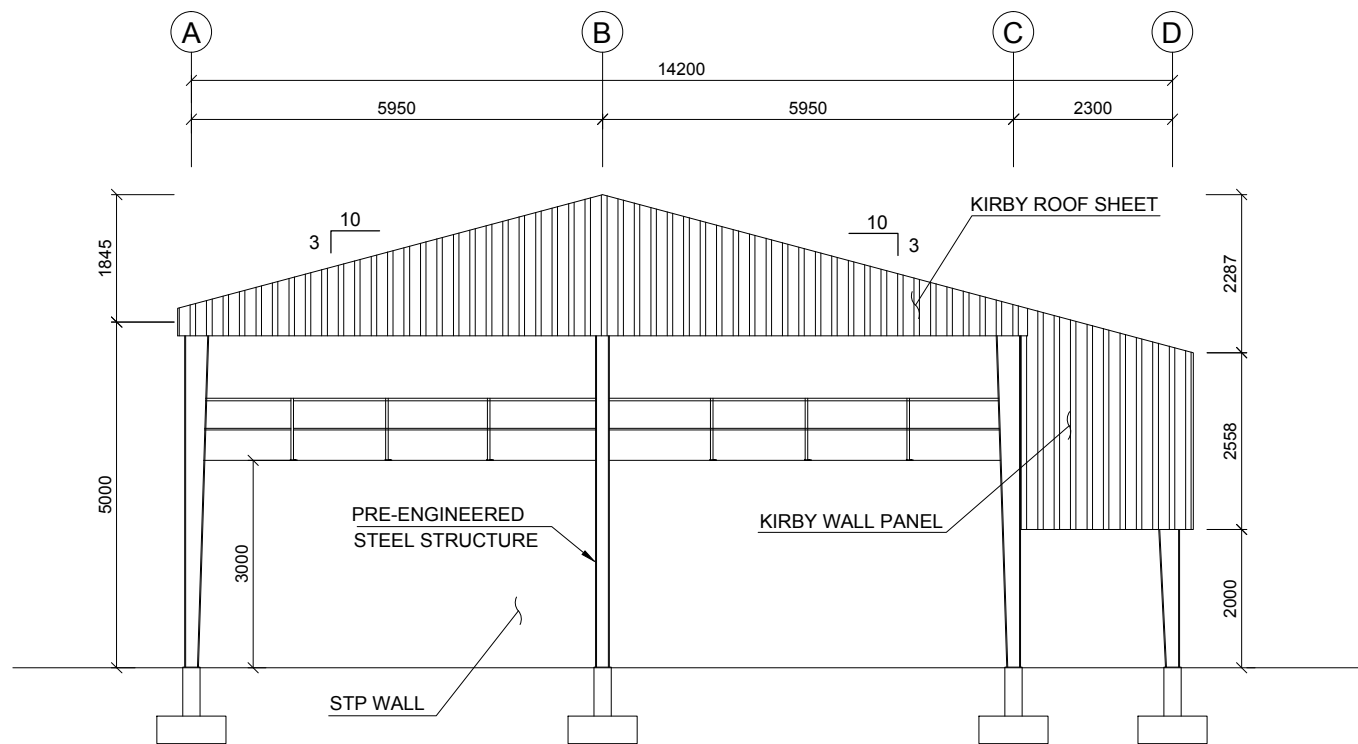
Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alilikilegeaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-119
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



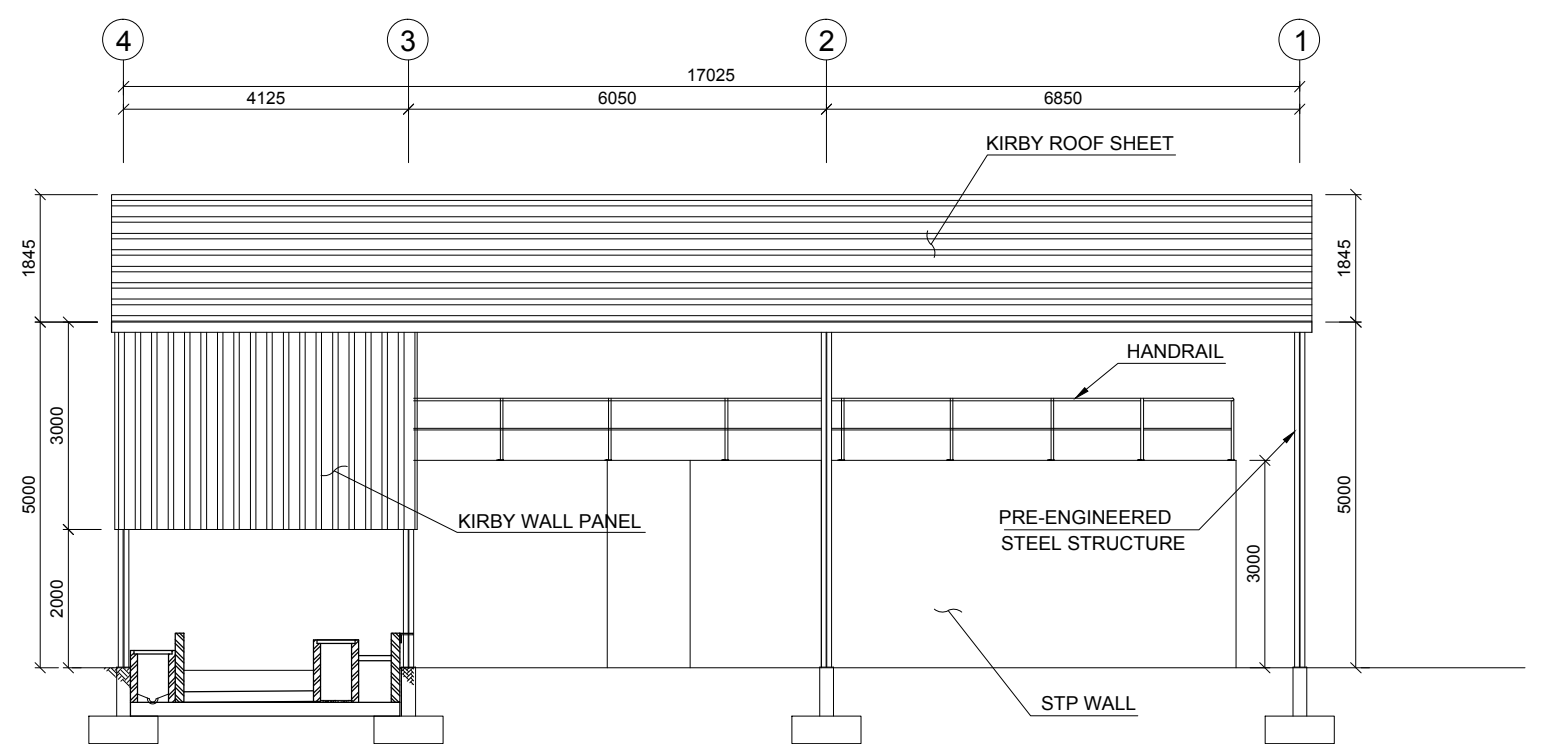
ELEVATION-1



ELEVATION-1

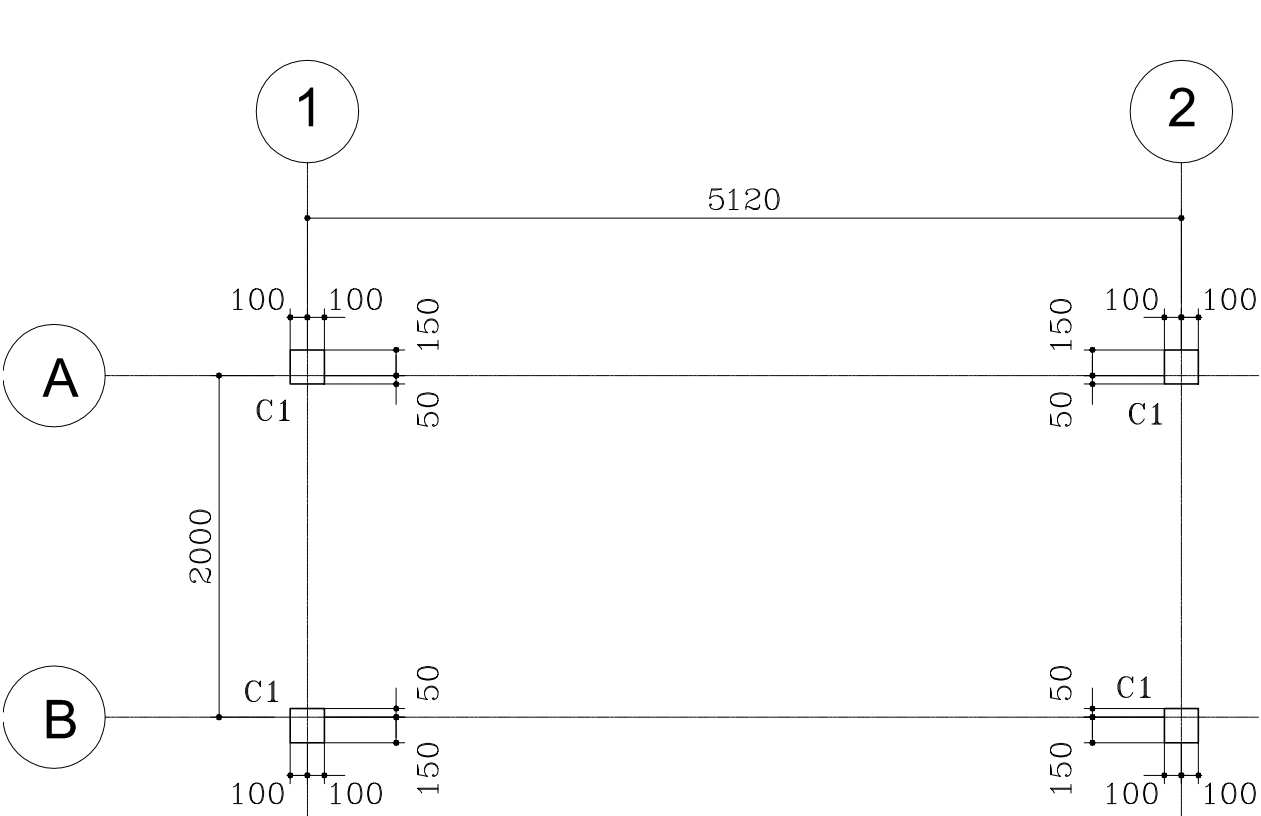


ELEVATION-4

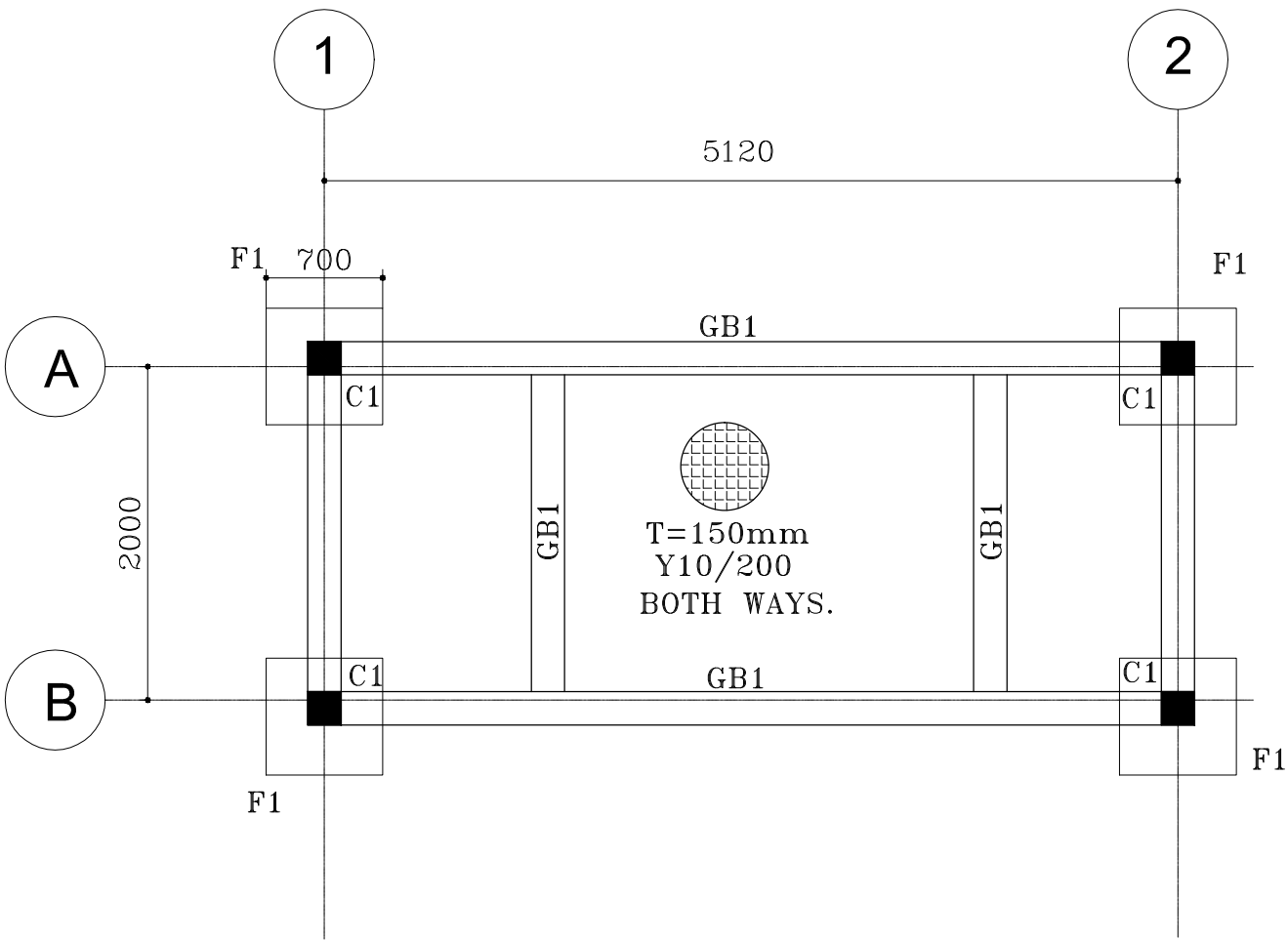


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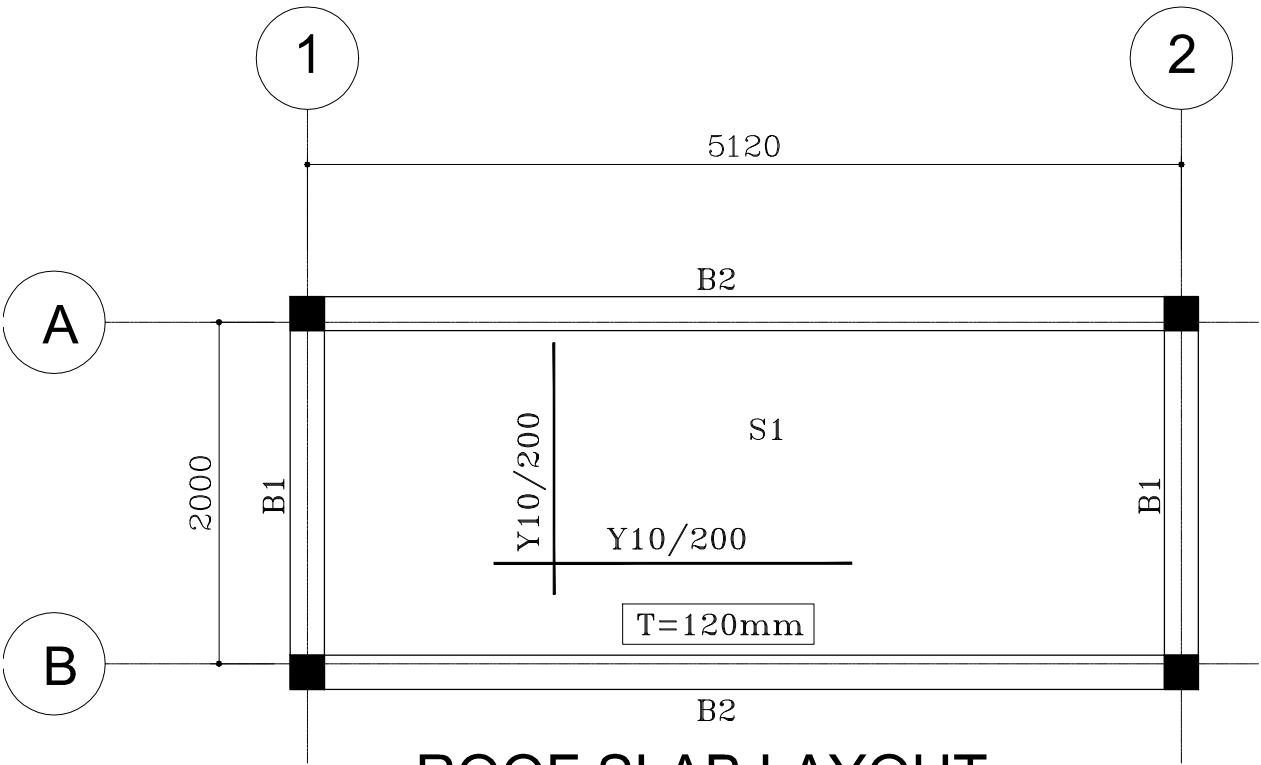
Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A. Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-120
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



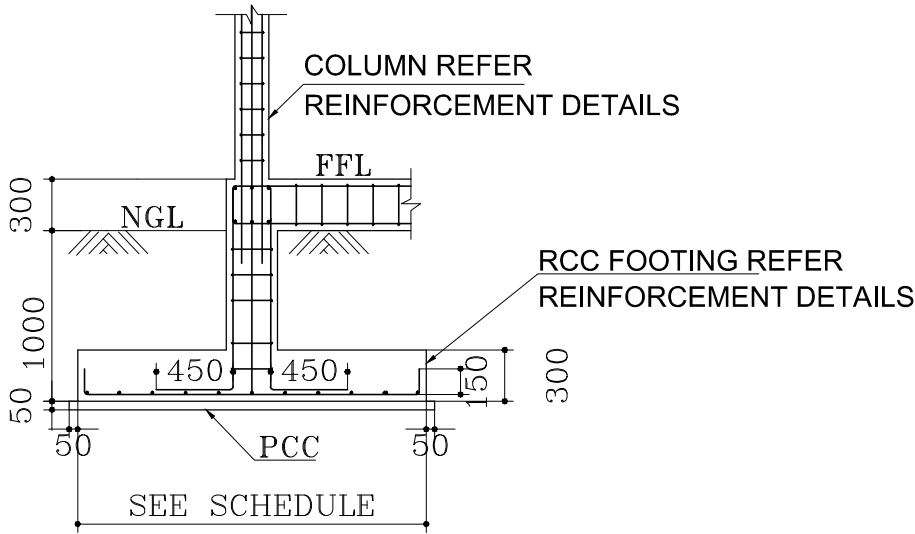
COLUMN & AXIS LAYOUT
SCALE 1 : 25



FOOTING & GRADE BEAM LAYOUT
SCALE 1 : 25



ROOF SLAB LAYOUT
SCALE 1 : 25



FOOTING DETAIL
SCALE 1 : 25

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@mecco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-121
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	

COLUMNS REINFORCEMENT DETAILS							
TYPE	FOUND			GROUND FLOOR			STIRRUPS
	SIZE		REINT.	SIZE		REINT.	
C1	200	200	6Y12	200	200	6Y12	Y8/200

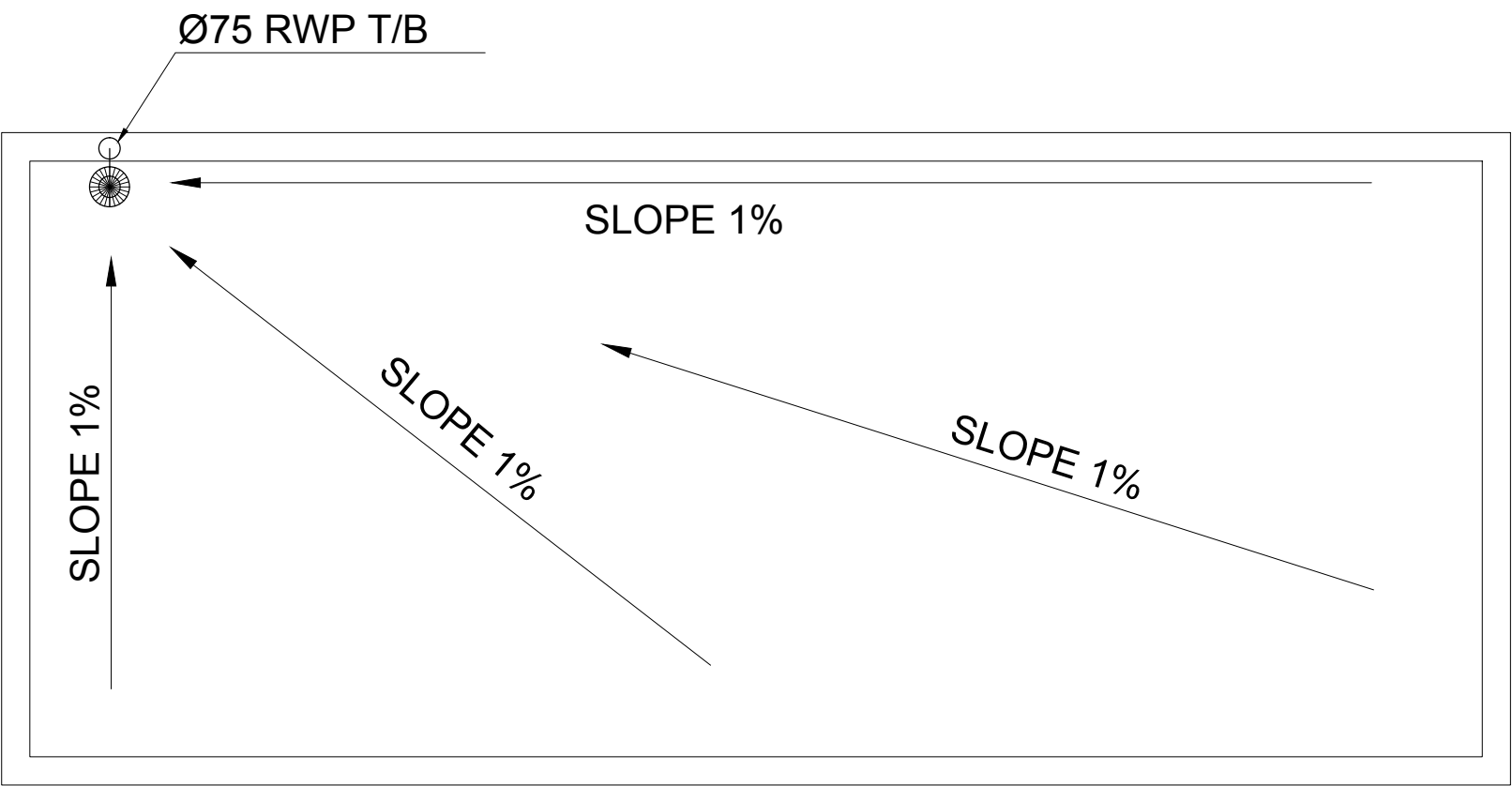
FOOTING REINFORCEMENT DETAILS							
MARK	DIMENTION			REINFORCEMENT		BOXED	REMARKS
	L	W	H	WIDTH	LENGTH		
F1	700	700	300	5Y12/m	5Y12/m		

GRADE BEAM REINFORCEMENT DETAILS							
MARK	SIZE		BOTTOM BARS	TOP BARS	STIRRUPS	SIDE BARS	REMARKS
	b	h					
GB1	200	300	5Y12	3Y12	Y8/200		

BEAM REINFORCEMENT DETAILS							
MARK	SIZE		BOTTOM BARS	TOP BARS	STIRRUPS	SIDE BARS	REMARKS
	b	h					
B1	200	300	2Y12	2Y12	Y8/200		
B2	200	300	3Y16	3Y16	Y8/150		

SLABS REINFORCEMENT DETAILS				
MARK	THICK	REINFORCEMENT		REMARKS
		WIDTH	LENGTH	
S1	120	Y10/200	Y10/200	

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-121.1 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	

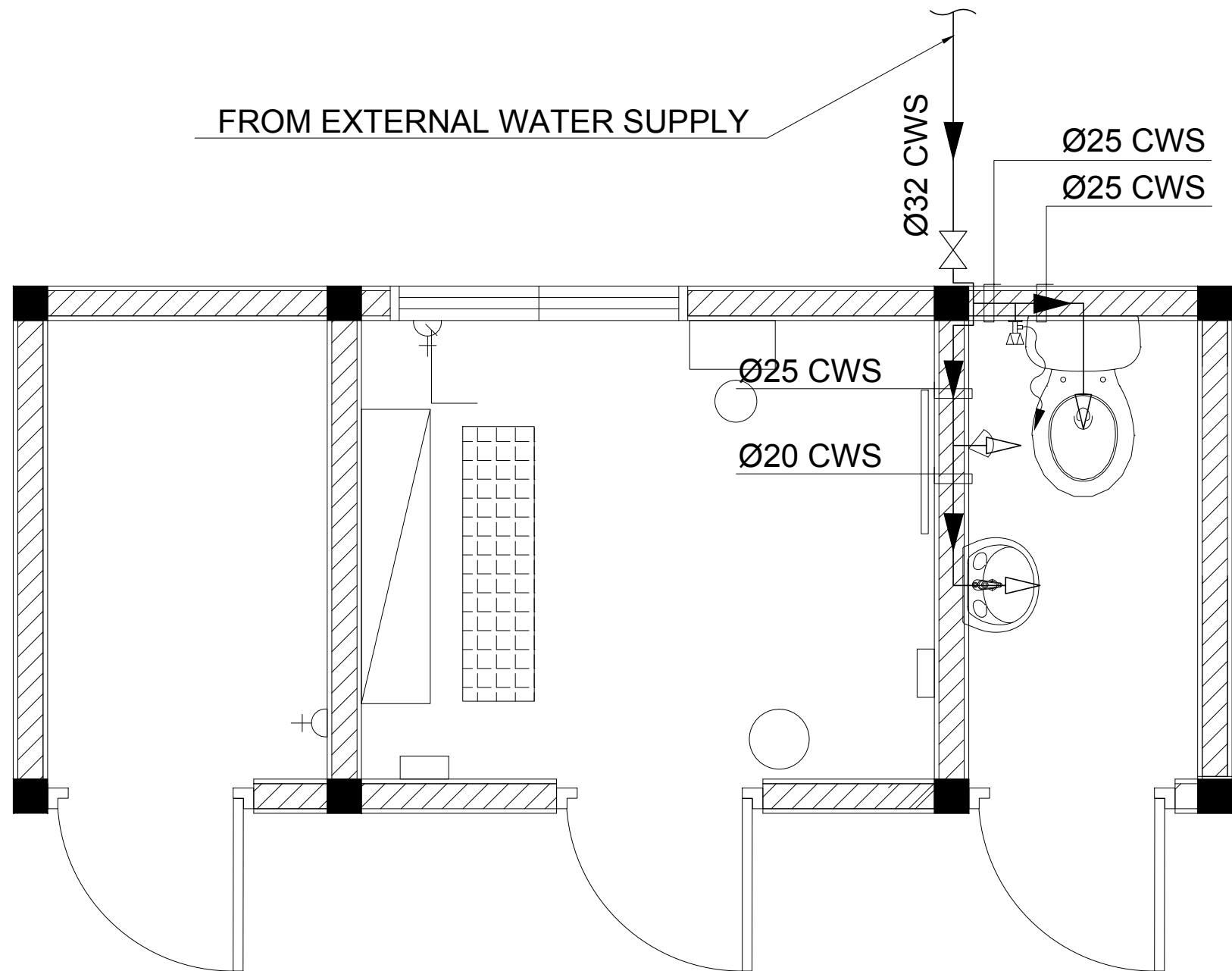


ROOF PLAN

SCALE 1:50

- NOTES:-
- 1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE SHOWN
 - 2. ALL LEVELS SHOWN ARE IN METERS. ALL LEVELS SHOWN ARE FROM MEAN SEA LEVEL
 - 3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS,GENERAL NOTES AND SPECIFICATIONS.
 - 4. ALL NON-PRESSURE PIPES SHALL BE UPVC TO ASTM D-3034 SDR 35.
 - 5. ALL GRAVITY NETWORK LINES SHALL BE 150mm DIA.
 - 6. ALL GRAVITY NETWORK LINES SHALL HAVE MINIMUM 0.5% SLOPE.
 - 7. ALL NON-PRESSURE PIPES SHALL HAVE RUBBER SEAL JOINT.
 - 8. ALL LIFT STATIONS, MANHOLES AND CLEAN OUTS SHALL BE PLASTIC MOULDED TYPE.
 - 9. CONNECTION FROM THE HOUSEHOLD TO THE INSPECTION CHAMBER IS OUT OF THIS CONTRACT.
 - 10. PROVISION SHALL BE GIVEN IN IC FOR MULTIPLE CONNECTIONS.

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-122
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



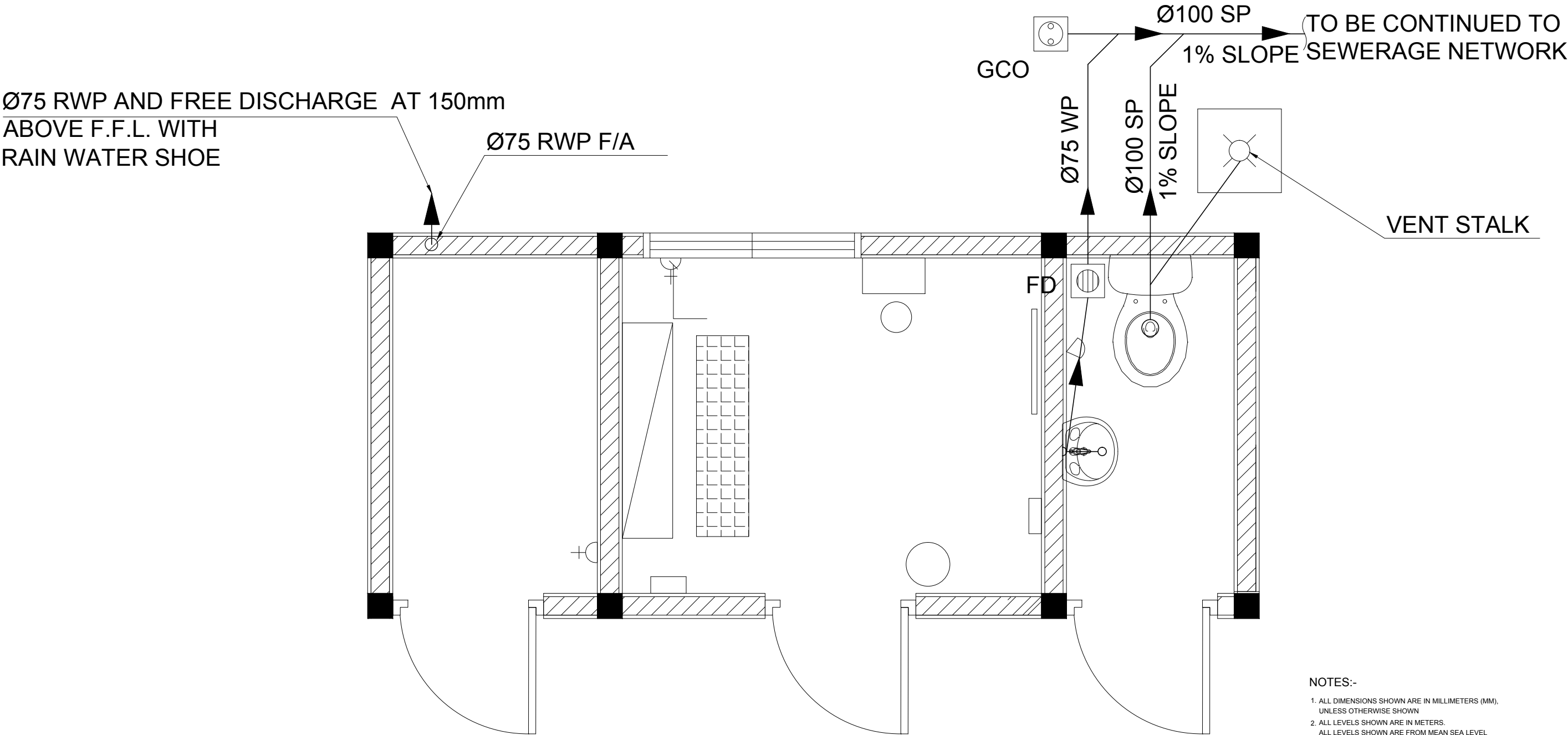
WATER SUPPLY PLAN

SCALE 1:50

NOTES:-

- 1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE SHOWN
- 2. ALL LEVELS SHOWN ARE IN METERS. ALL LEVELS SHOWN ARE FROM MEAN SEA LEVEL
- 3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS,GENERAL NOTES AND SPECIFICATIONS.
- 4. ALL NON-PRESSURE PIPES SHALL BE UPVC TO ASTM D-3034 SDR 35.
- 5. ALL GRAVITY NETWORK LINES SHALL BE 150mm DIA.
- 6. ALL GRAVITY NETWORK LINES SHALL HAVE MINIMUM 0.5% SLOPE.
- 7. ALL NON-PRESSURE PIPES SHALL HAVE RUBBER SEAL JOINT.
- 8. ALL LIFT STATIONS, MANHOLES AND CLEAN OUTS SHALL BE PLASTIC MOULDED TYPE.
- 9. CONNECTION FROM THE HOUSEHOLD TO THE INSPECTION CHAMBER IS OUT OF THIS CONTRACT.
- 10. PROVISION SHALL BE GIVEN IN IC FOR MULTIPLE CONNECTIONS.

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@mecco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-122.1 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	

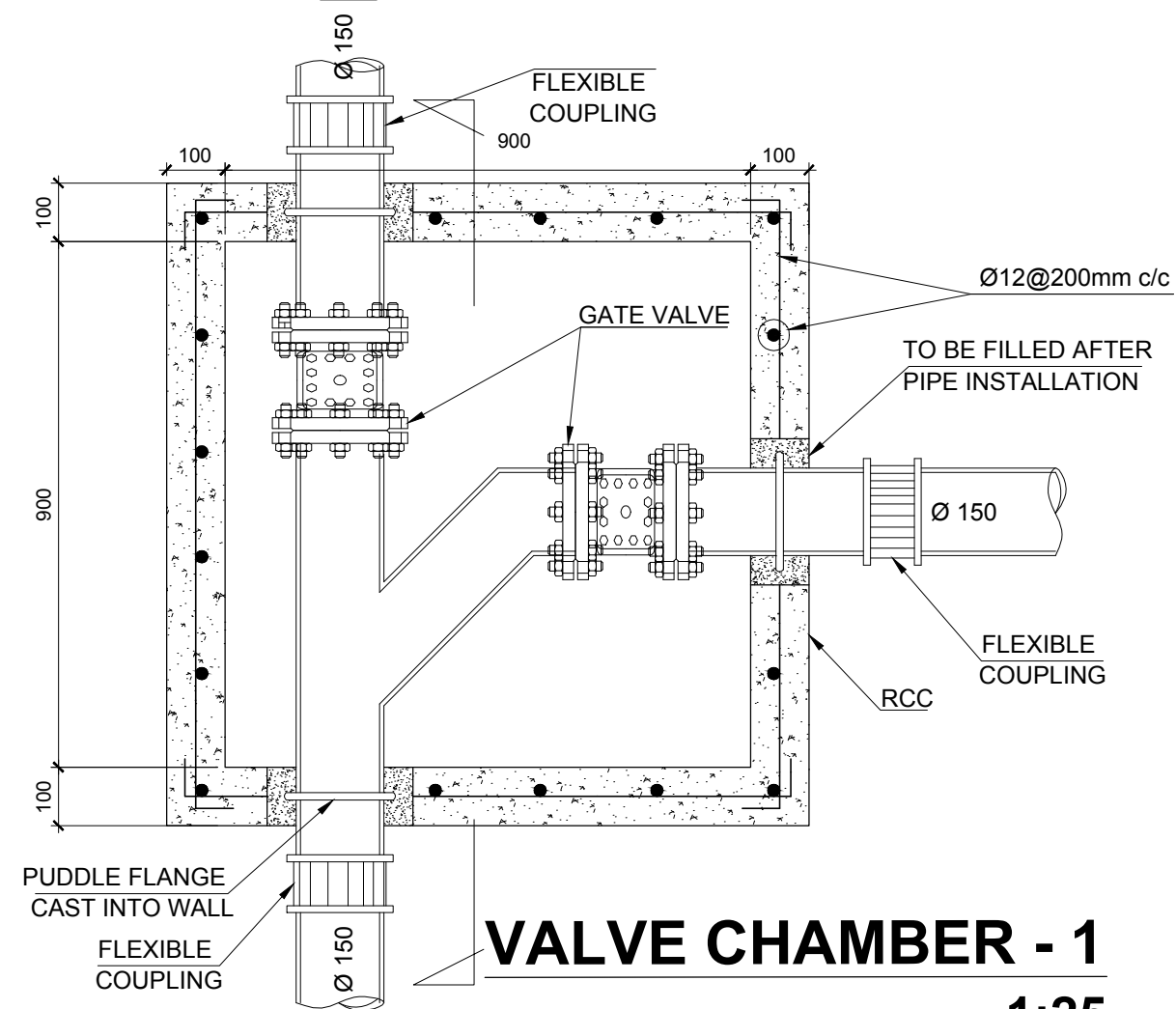
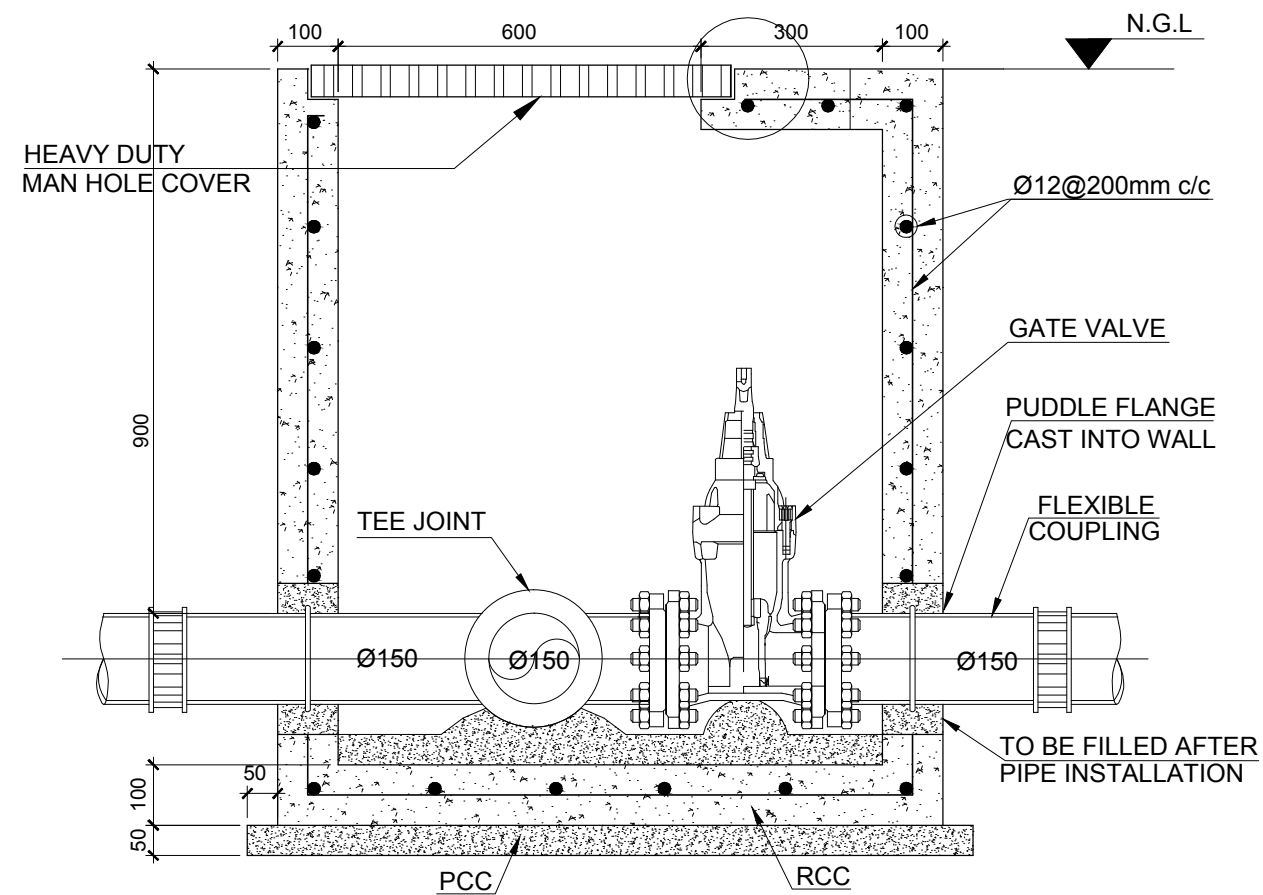


DRAINAGE PLAN

SCALE 1:50

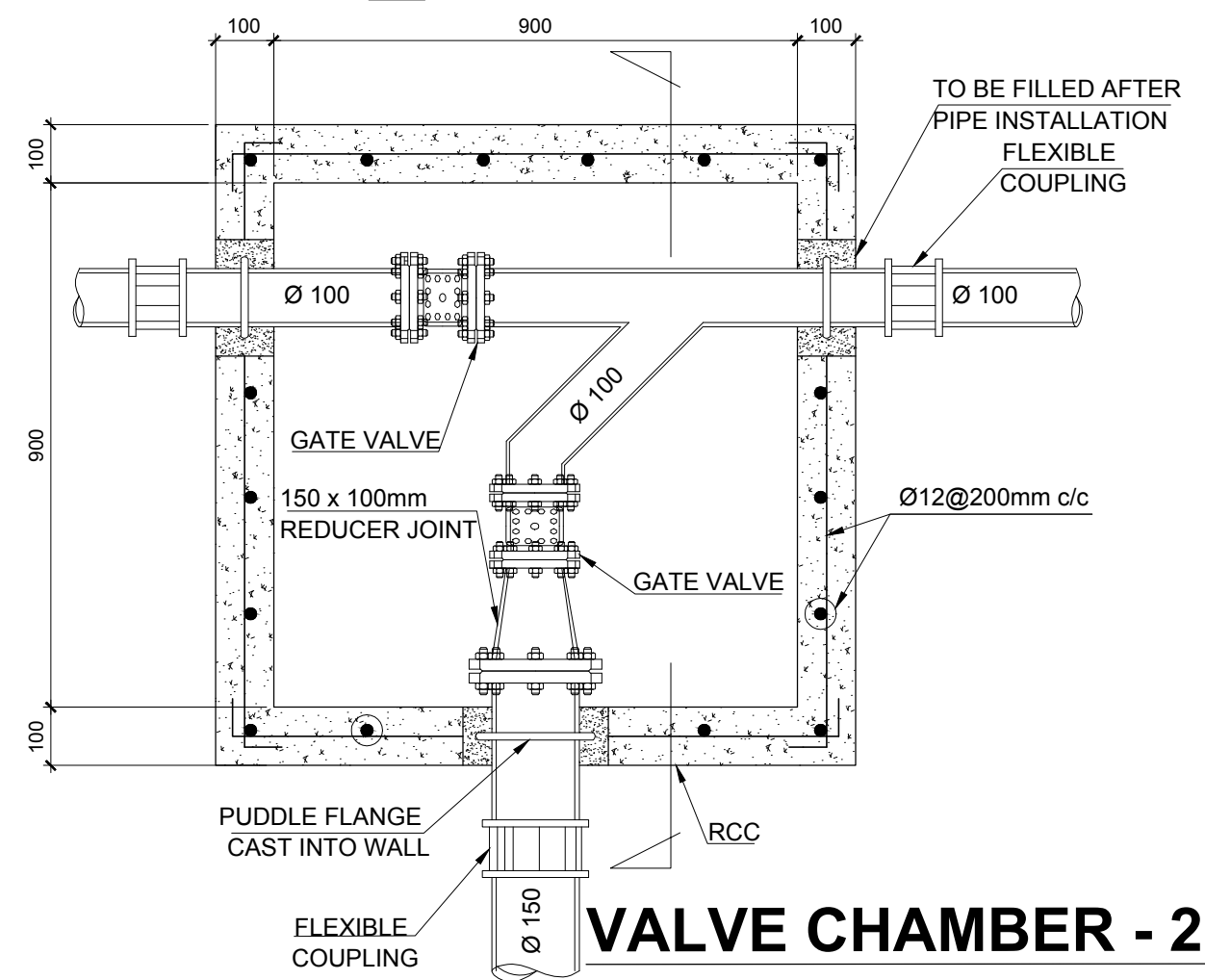
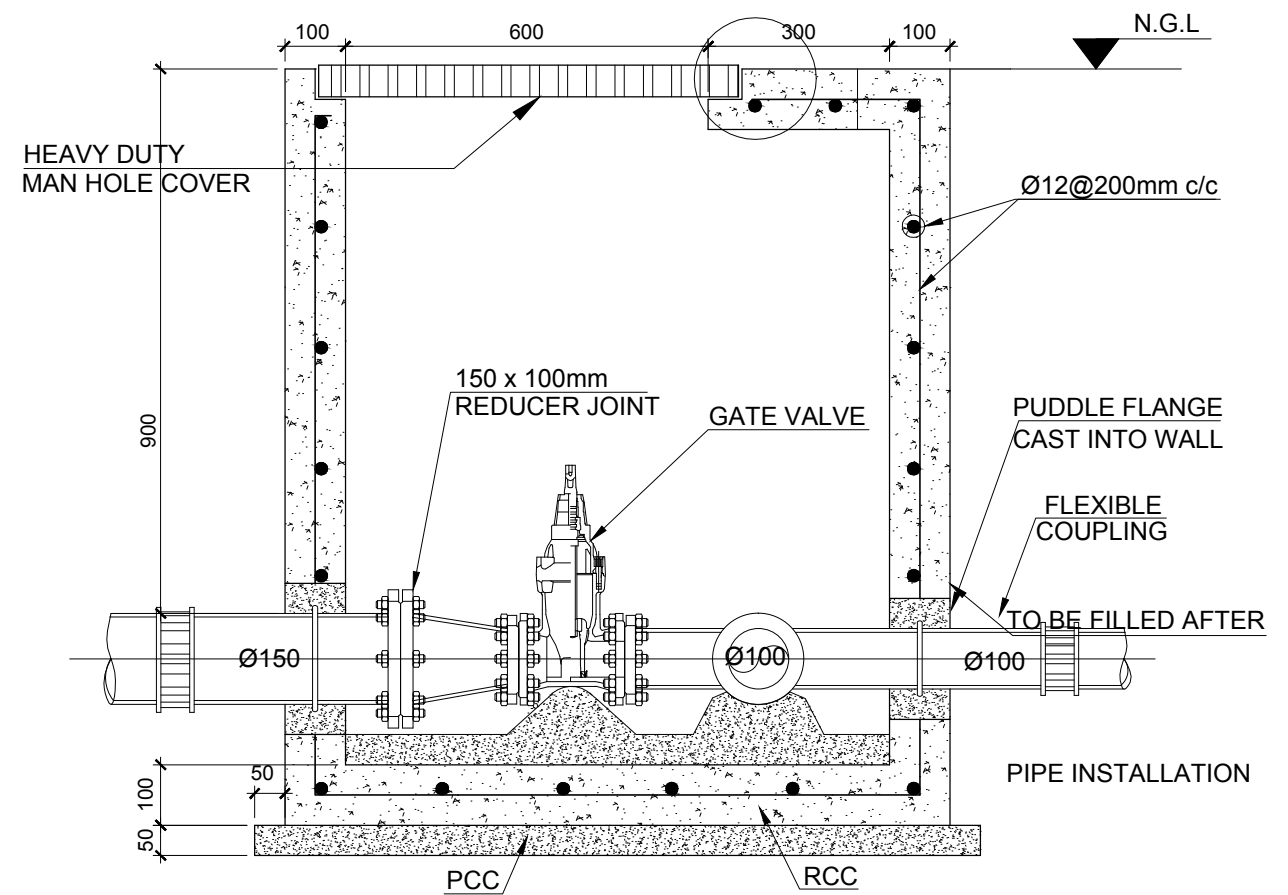
- NOTES:-
- 1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE SHOWN
 - 2. ALL LEVELS SHOWN ARE IN METERS. ALL LEVELS SHOWN ARE FROM MEAN SEA LEVEL
 - 3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS,GENERAL NOTES AND SPECIFICATIONS.
 - 4. ALL NON-PRESSURE PIPES SHALL BE UPVC TO ASTM D-3034 SDR 35.
 - 5. ALL GRAVITY NETWORK LINES SHALL BE 150mm DIA.
 - 6. ALL GRAVITY NETWORK LINES SHALL HAVE MINIMUM 0.5% SLOPE.
 - 7. ALL NON-PRESSURE PIPES SHALL HAVE RUBBER SEAL JOINT.
 - 8. ALL LIFT STATIONS, MANHOLES AND CLEAN OUTS SHALL BE PLASTIC MOULDED TYPE.
 - 9. CONNECTION FROM THE HOUSEHOLD TO THE INSPECTION CHAMBER IS OUT OF THIS CONTRACT.
 - 10. PROVISION SHALL BE GIVEN IN IC FOR MULTIPLE CONNECTIONS.

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@mecoco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No. MF-SW-122.2
						-		Hydraulic Designed by:	Hussain Shaheed	
								Structural Design by:	Hassan Nihad	Sheet No.
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



VALVE CHAMBER - 1

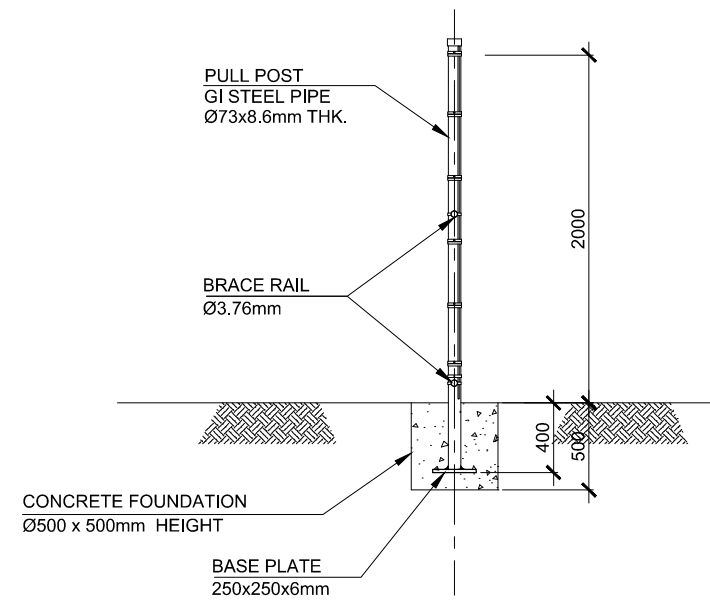
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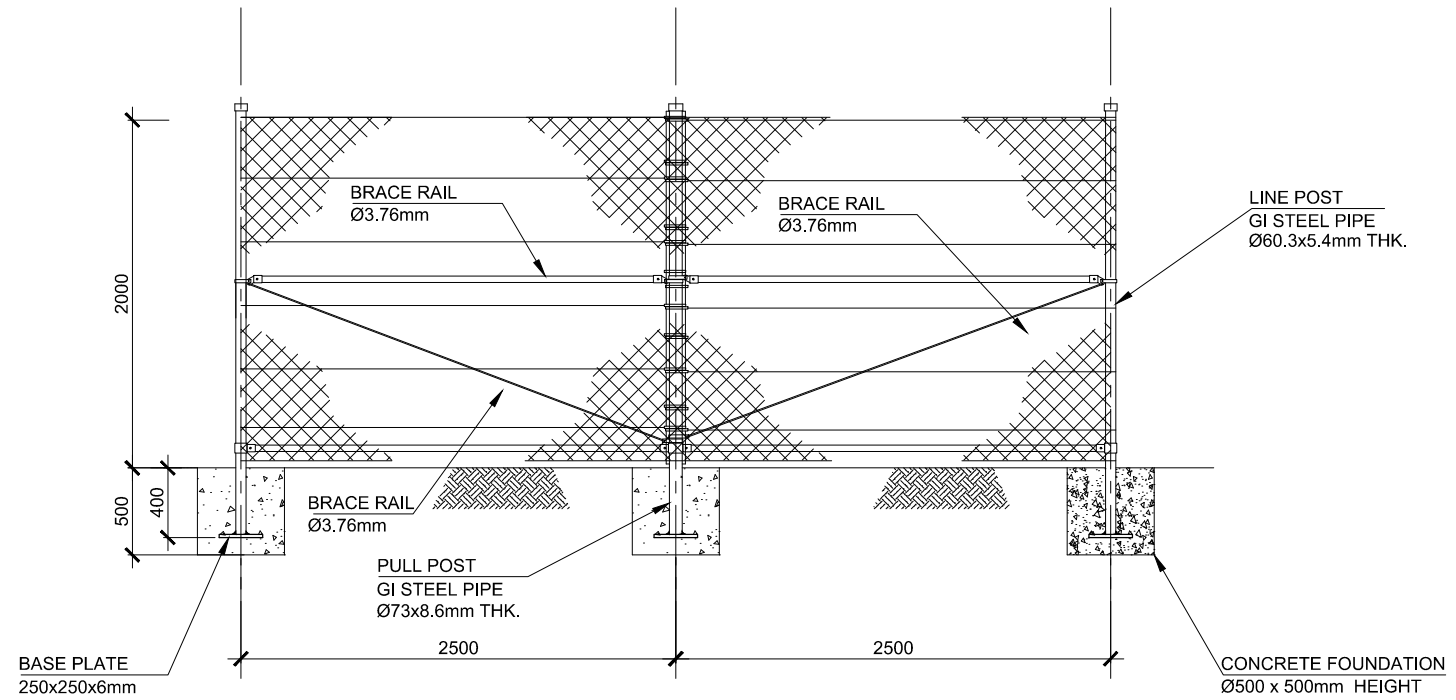
VALVE CHAMBER - 2

1:25

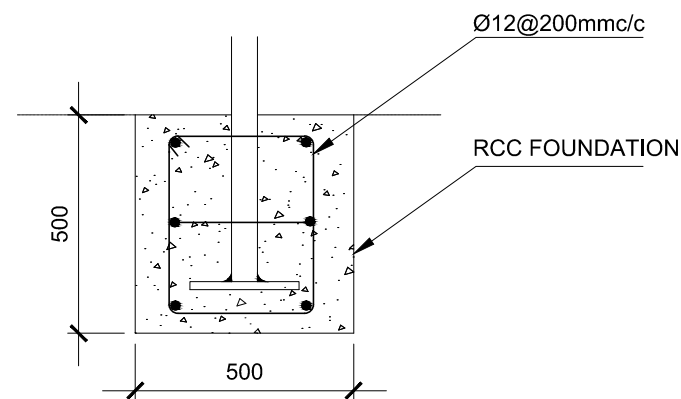
Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A. Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN					Hydraulic Designed by:	Hussain Shaheed	MF-SW-123
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



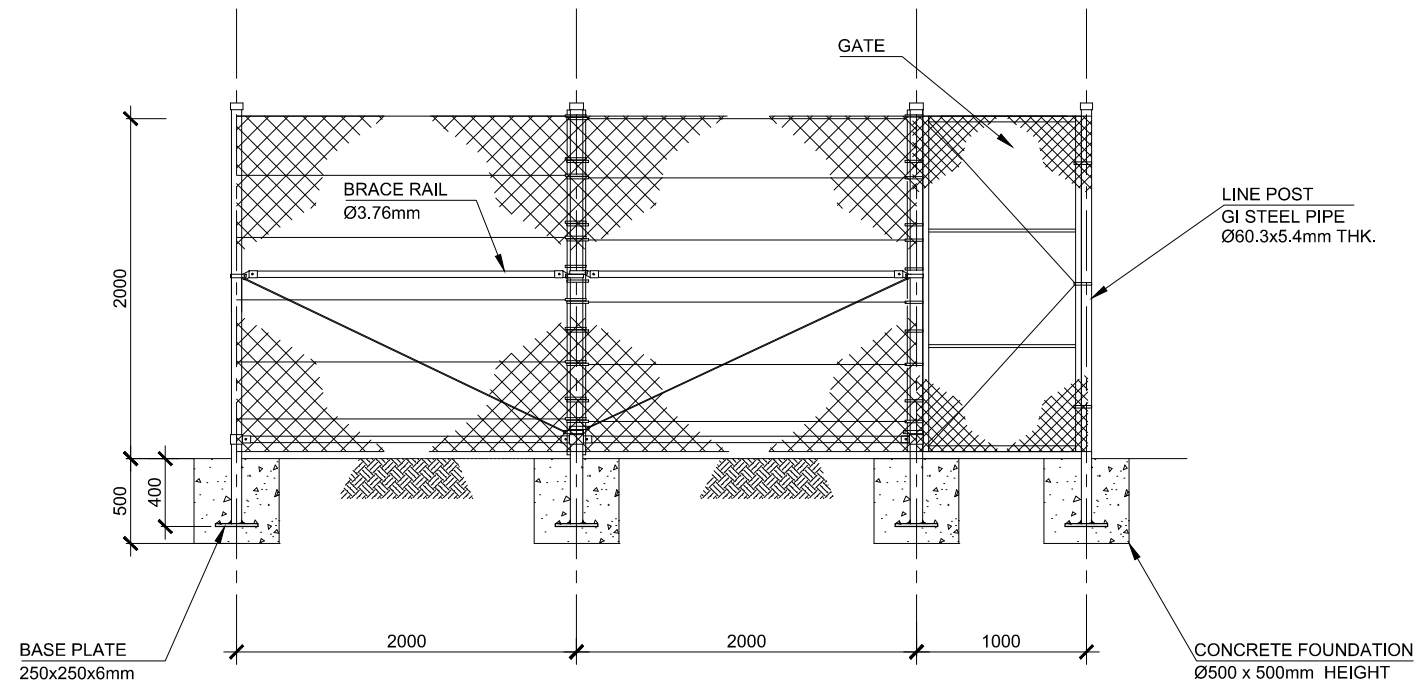
SECTIONAL VIEW
SCALE 1: 50



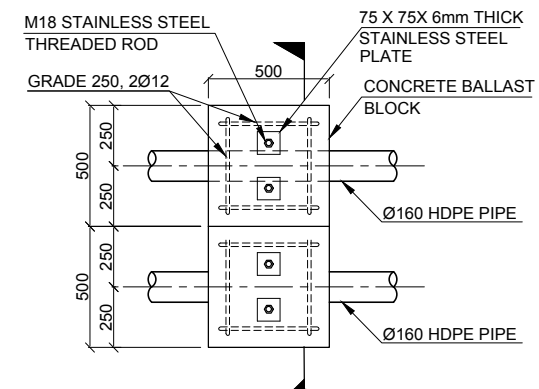
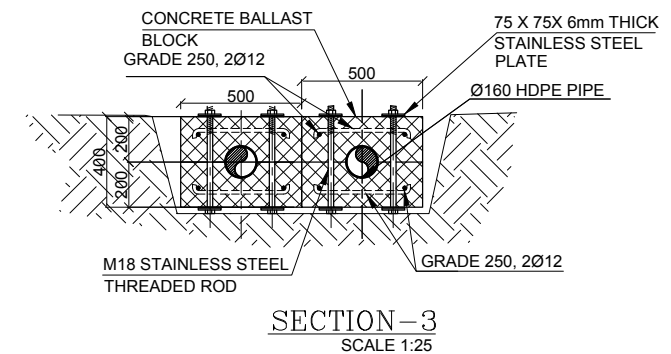
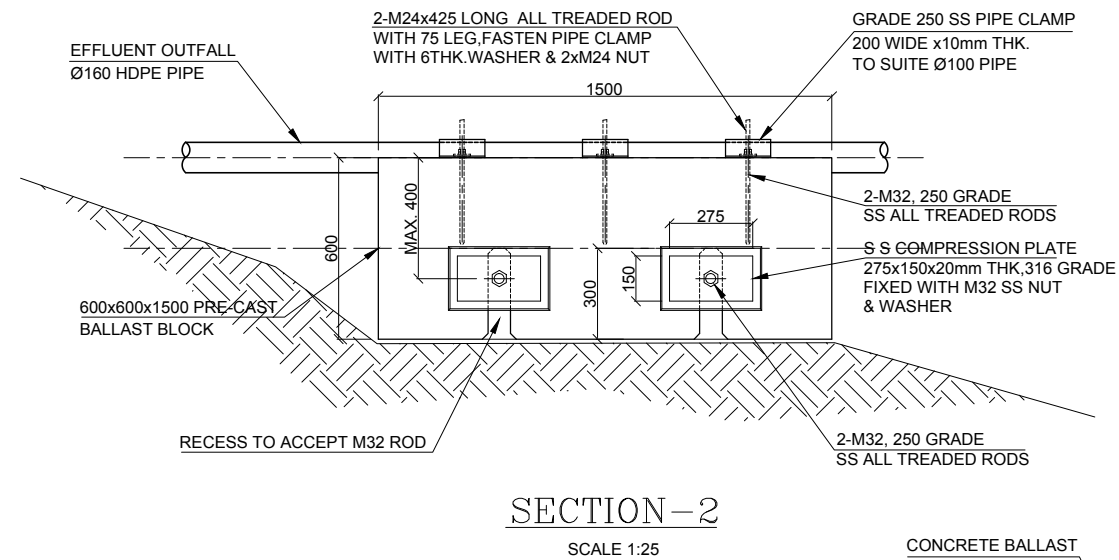
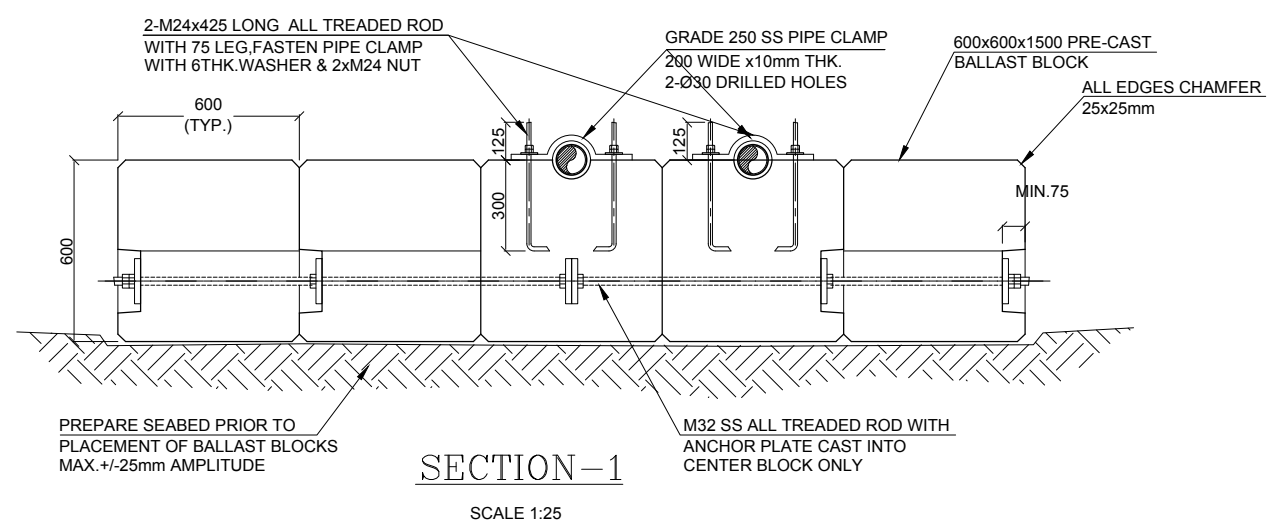
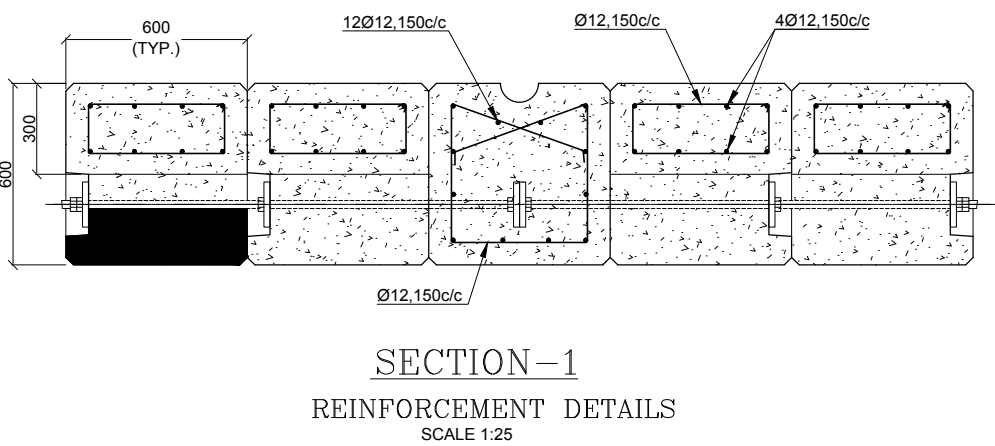
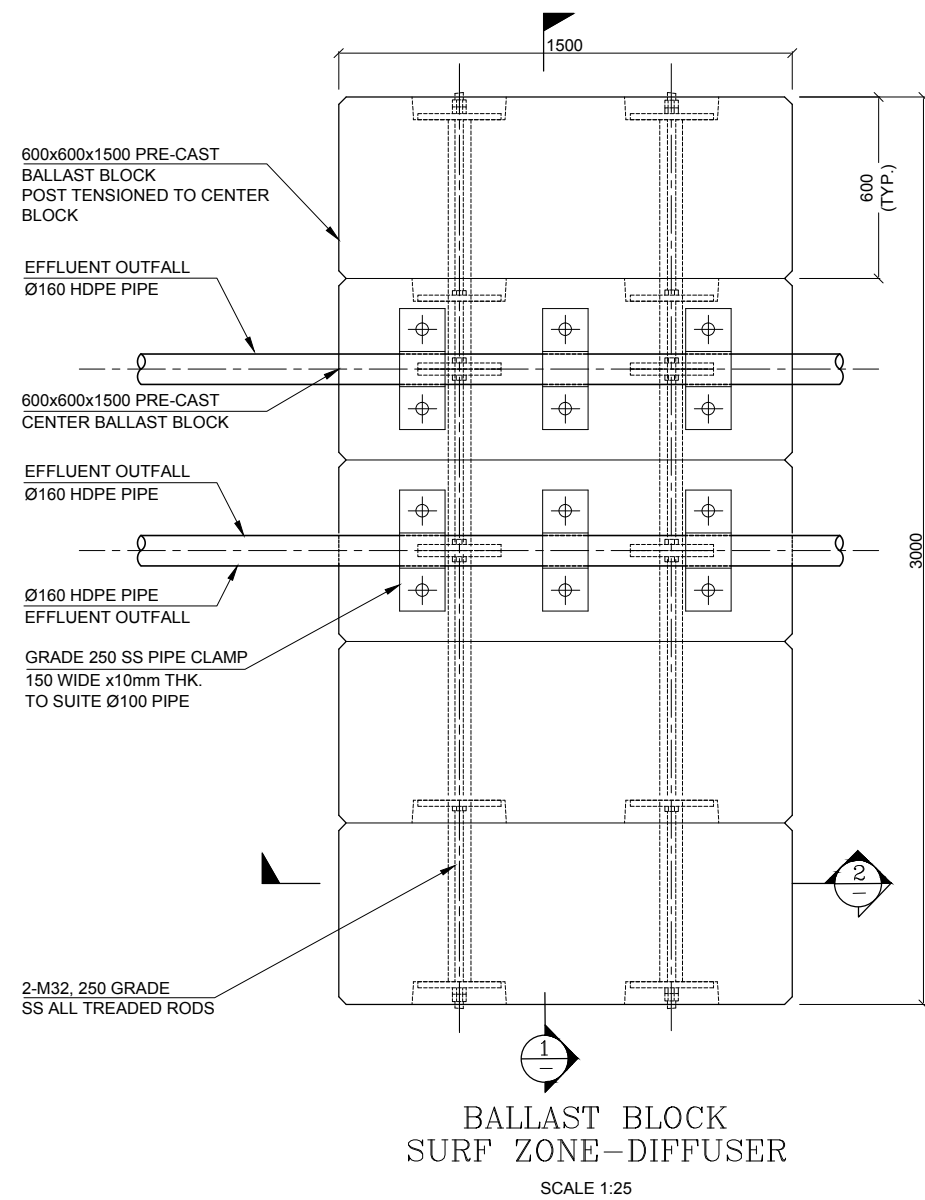
FENCE ELEVATION
SCALE 1: 50



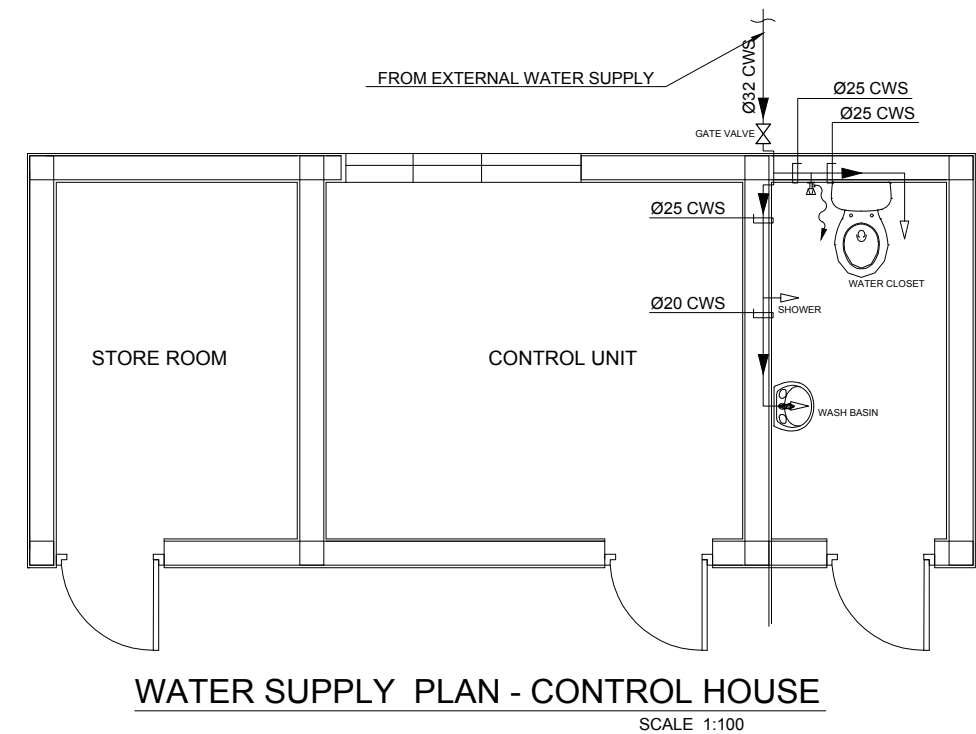
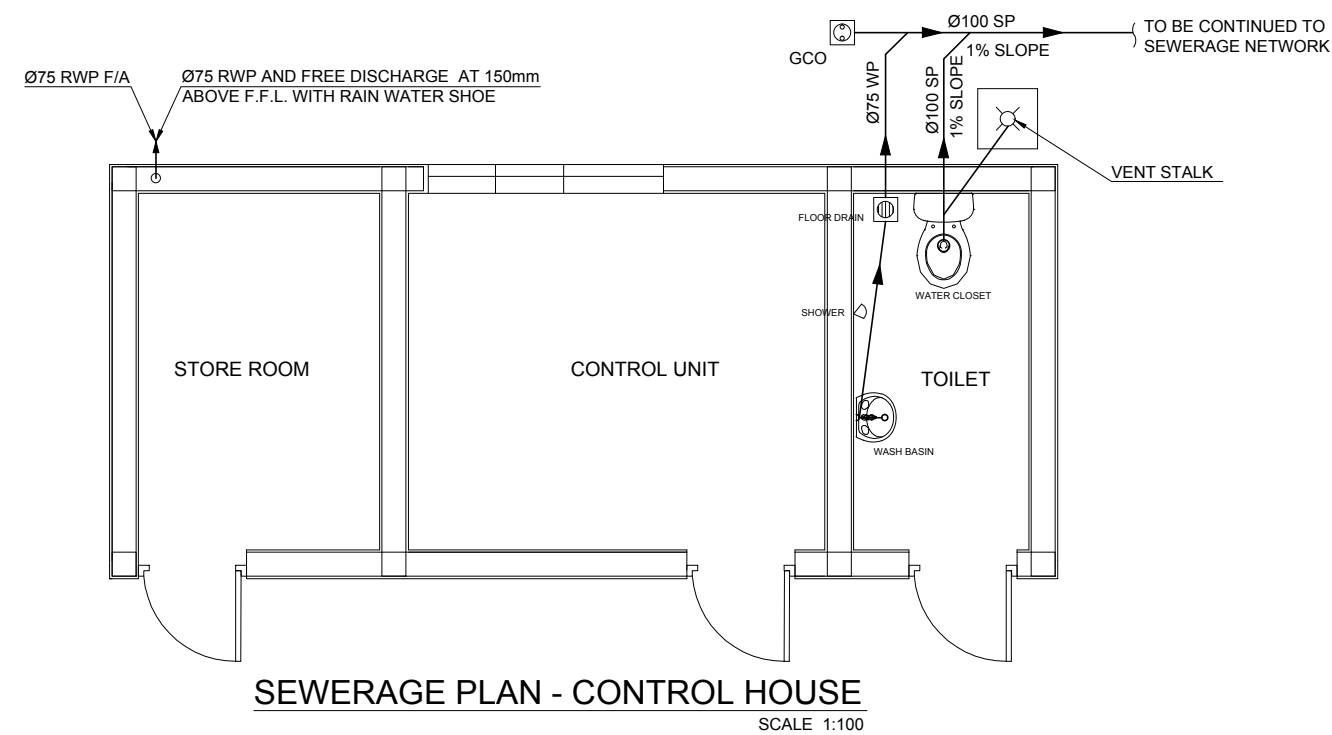
FOUNDATION
SCALE 1: 25



Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-124
								Structural Design by:	Hassan Nihad	Sheet No.
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-125
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@mecco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-126 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	

NOTES:-

- 1- ALL DIMENSIONS ARE IN METERS.
- 2- SITE LEVELS ARE TO BE COORDINATED BY THE CONTRACTOR.
- 3- PUMPED LINES/ PRESSURE LINES TO USE HDPE PIPES.
OTHER FLOW LINES TO USE UPVC PIPES.
- 4- CONTRACTOR TO PREPARE DETAILED DRAWING AND OBTAIN
APPROVAL OF MEEW BEFORE START OF CONSTRUCTION.
- 5- LAYOUT OF COMPACT UNIT WASTE WATER
TREATMENT PLANT FOR R.HULHUFARU ISLAND AVERAGE FLOW
Q= 230m³/Day EXPANDABLE UPTO 500m³/Day.
- 6- SLUDGE STABILIZED, DIGESTED AND DISINFECTED FROM TANK (C)
CAN BE PERIODICALLY (ONCE MONTHLY) PUMPED THROUGH
EFFLUENT OCEAN DISPOSAL PIPE LINE.
- 7- IF RAW SEWAGE CAN BE PUMPED DIRECTLY TO SPLITTER BOX
FROM LIFTING STATIONS, UNIT (A)(COLLECTION WELL) CAN BE
AVOIDED. (AS PER MANUFACTURES SPEC.)
- 8- ALL SITE LEVELS TO BE COORDINATED BY THE CONTRACTOR
AND WRITTEN APPROVED FROM MEEW TO BE OBTAINED
BEFORE START OF WORK.
- 9- ALL DIMENSIONS ARE INDICATIVE, CONTRACTOR MAY PROPOSE
CWWIP TO FIT WITHIN THE PLOT BOUNDARY.
- 10-THE SIZES FOR UNITS A & B ,C & D ARE INDICATIVE ONLY

LEGEND:-

- (A) COLLECTION WELL WITH SCREEN ,GRIT & GREASE
REMOVAL FACILITY
- (B) COMPACT WASTE WATER TREATMENT UNIT
(INCLUDES AERATION AND SETTLING)
- (C) SLUDGE TANK
- (D) EFFLUENT TANK WITH EFFLUENT DISPOSAL PUMP
- (E) SEA OUTFALL
- (F) 1.2m PAVEMENT ALL ACROSS THE TREATMENT FACILITY.
- (G) 1m HIGH LANDSCAPING (BUSH)
- (H) STANDARD MALDIVES PALM TREE.

CHAIN LINK FENCE
(REFER DRG.UT-SW-06,9 of 14)

GENERATOR PAD
2.0 x 1.2 x 0.3 M

SEWER LINES(INCOMING)

UT-37-SW-10

UT-37-SW-10

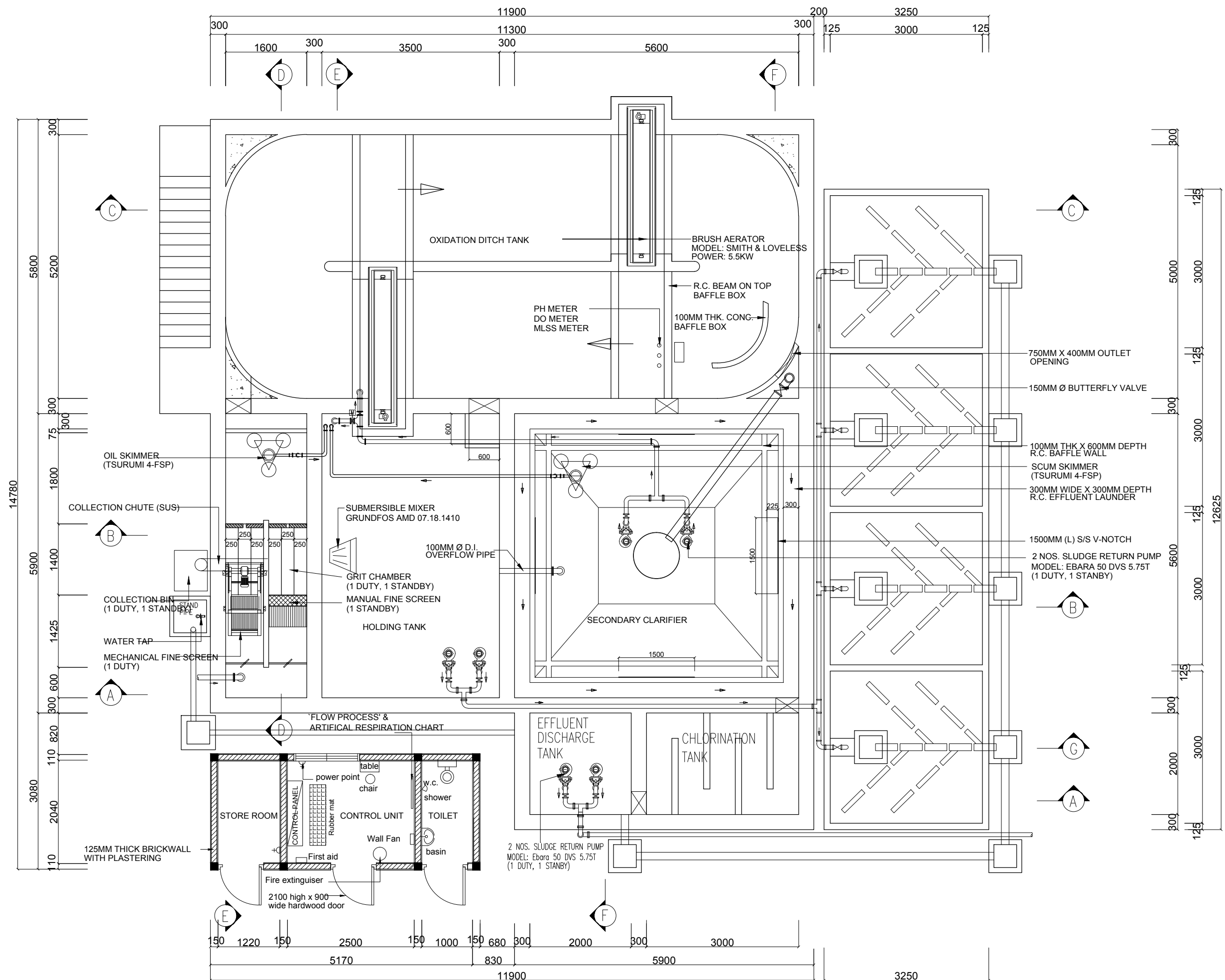
BY PASS LINE

PUMPING MAIN

Ø 100

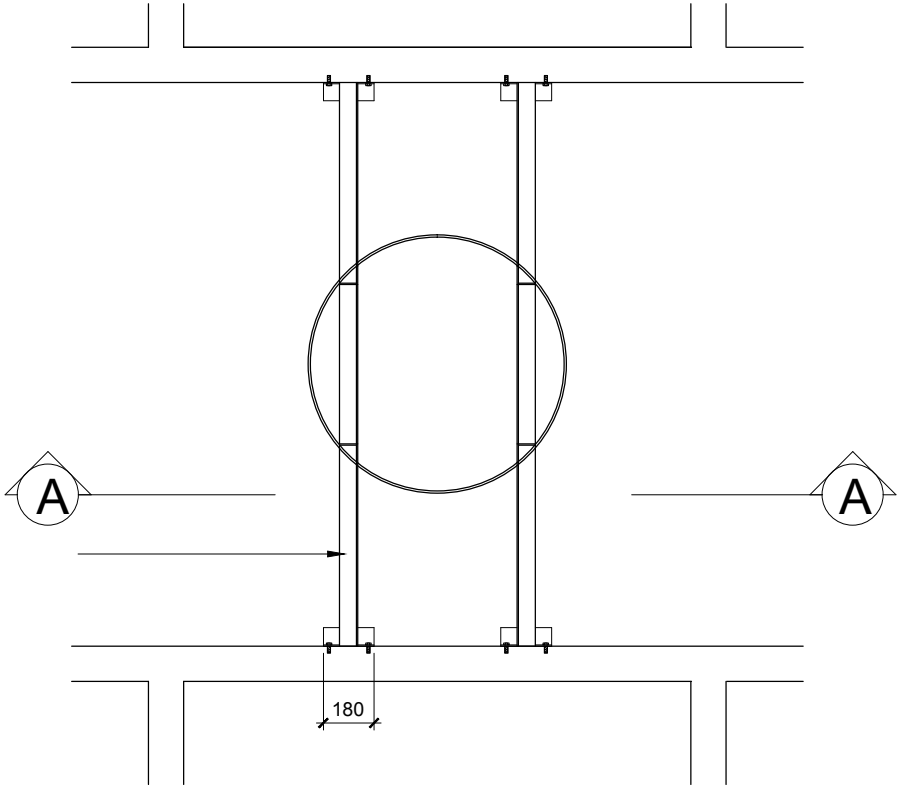
Ø 100

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-127
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-128
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	

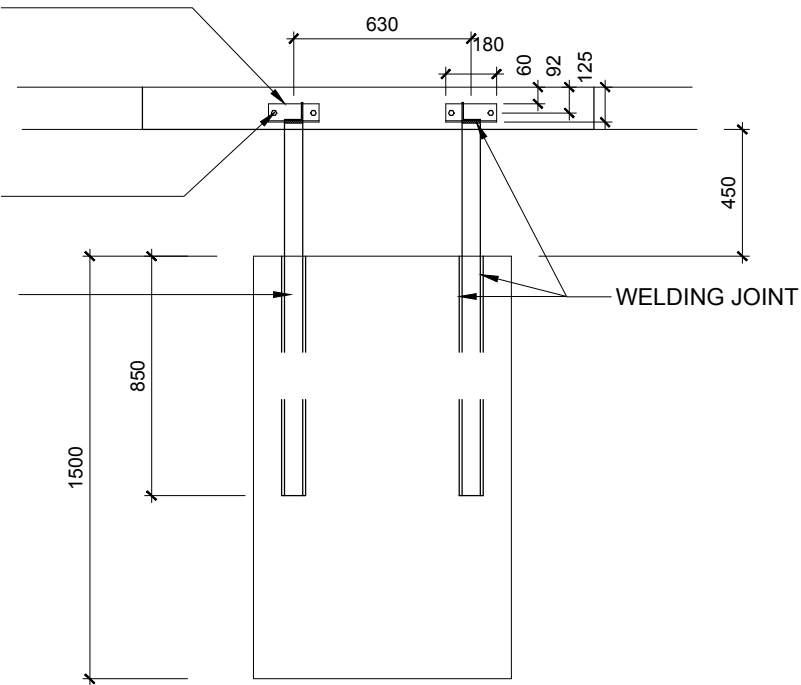
SUS304 65 X 65 X 4.5MM THK
ANGLE BAR



SUS304 65 X 65 X 4.5MM THK
ANGLE BAR

SUS304 M12 drop in anchor bolt
C/W nut & washer.

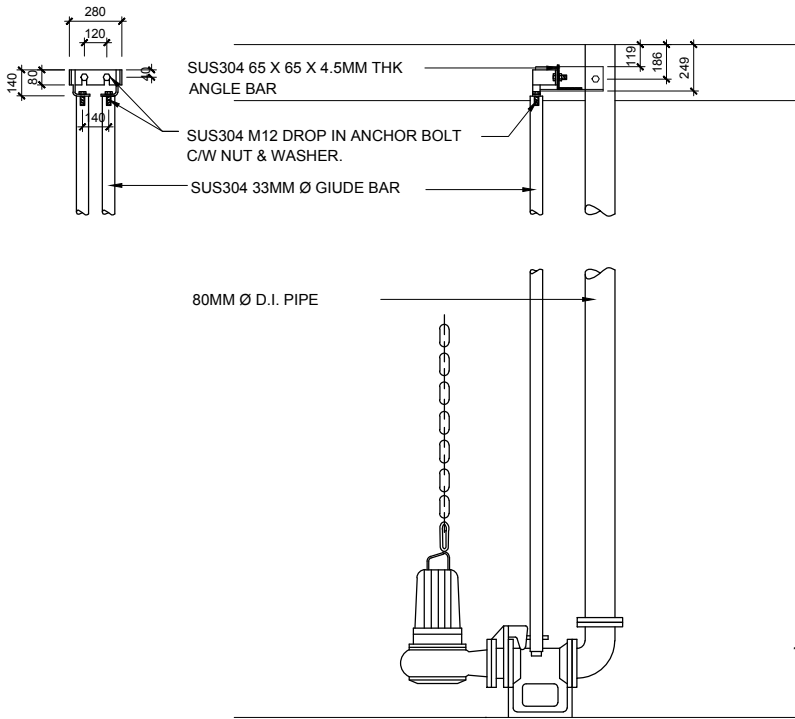
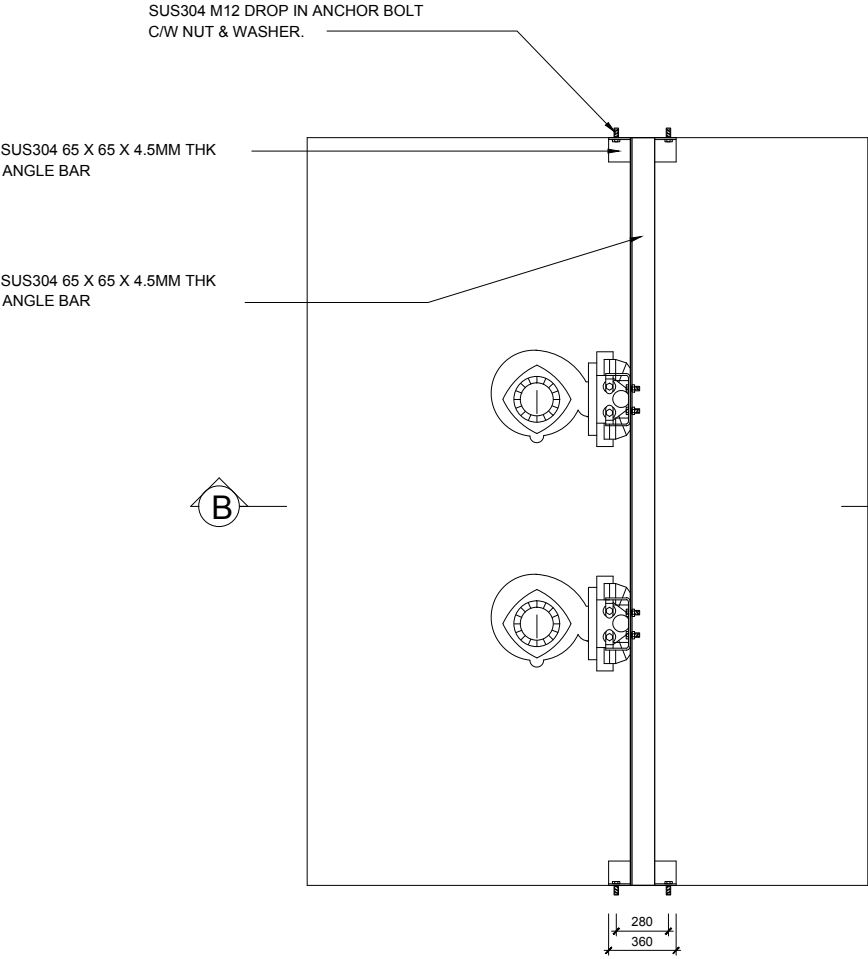
SUS304 65 X 65 X 4.5mm thk
ANGLE BAR



SECTION-A-A

DETAIL OF STILLING BOX STEEL WORK

N.T.S



NOTES:-

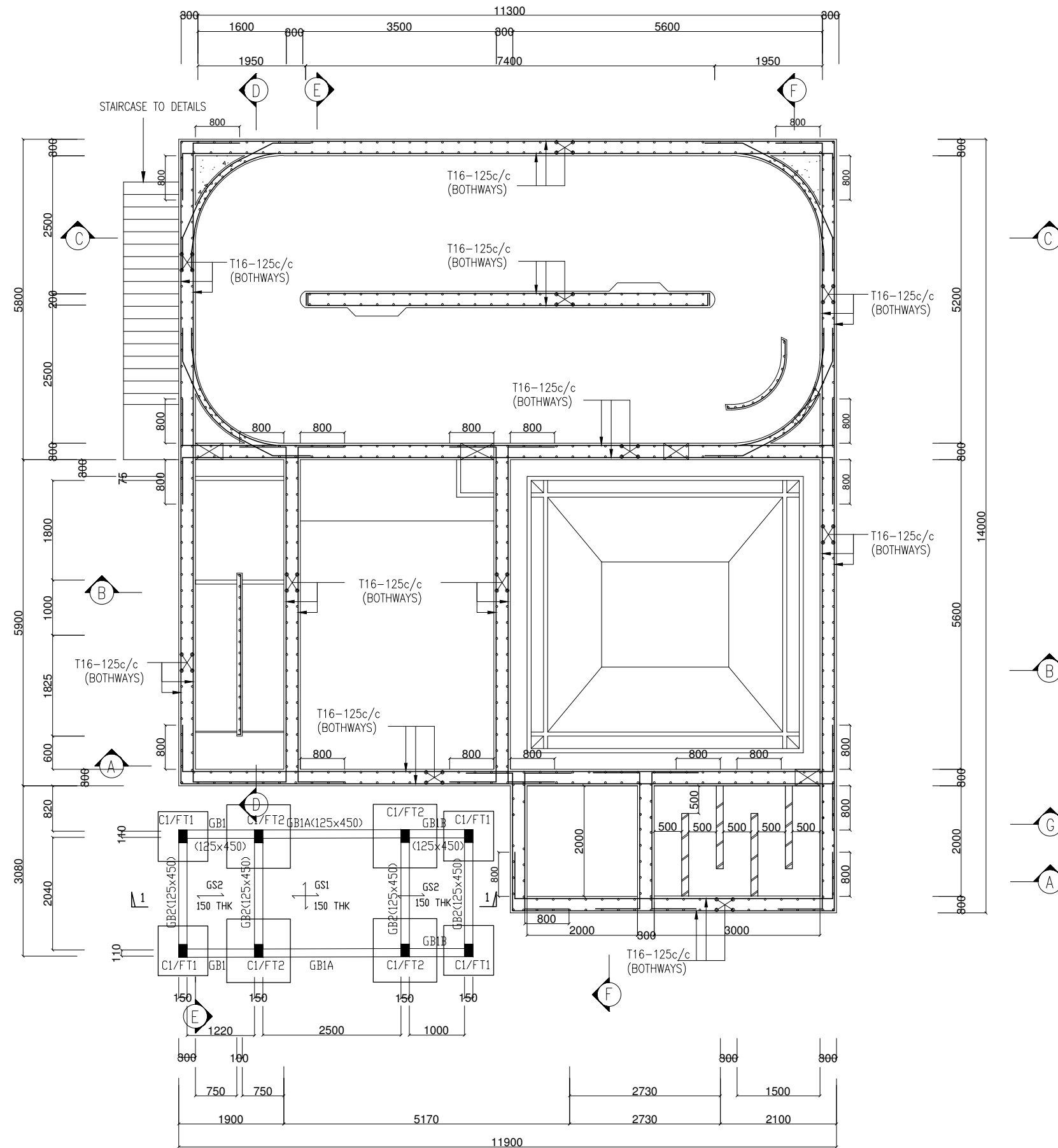
1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE SHOWN
2. ALL LEVELS SHOWN ARE IN METERS. ALL LEVELS SHOWN ARE FROM MEAN SEA LEVEL
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, GENERAL NOTES AND SPECIFICATIONS.
4. ALL NON-PRESSURE PIPES SHALL BE UPVC TO ASTM D-3034 SDR 35.
5. ALL GRAVITY NETWORK LINES SHALL BE 150mm DIA.
6. ALL GRAVITY NETWORK LINES SHALL HAVE MINIMUM 0.5% SLOPE.
7. ALL NON-PRESSURE PIPES SHALL HAVE RUBBER SEAL JOINT.
8. ALL LIFT STATIONS, MANHOLES AND CLEAN OUTS SHALL BE PLASTIC MOULDED TYPE.
9. CONNECTION FROM THE HOUSEHOLD TO THE INSPECTION CHAMBER IS OUT OF THIS CONTRACT.
10. PROVISION SHALL BE GIVEN IN IC FOR MULTIPLE CONNECTIONS.

SECTION-B-B

DETAIL OF PUMP GUIDE & SUPPORT

N.T.S

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-129
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	

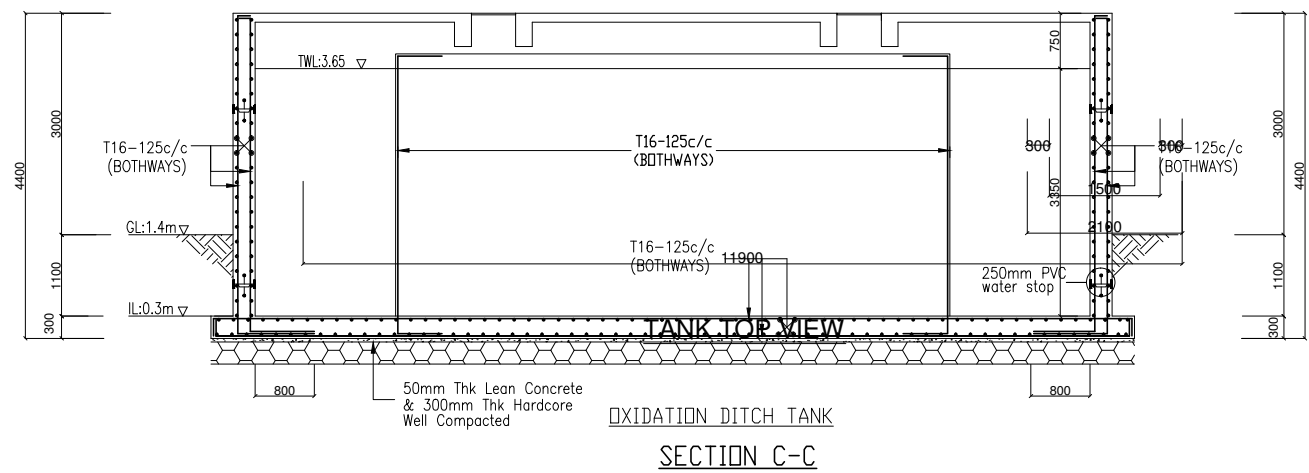
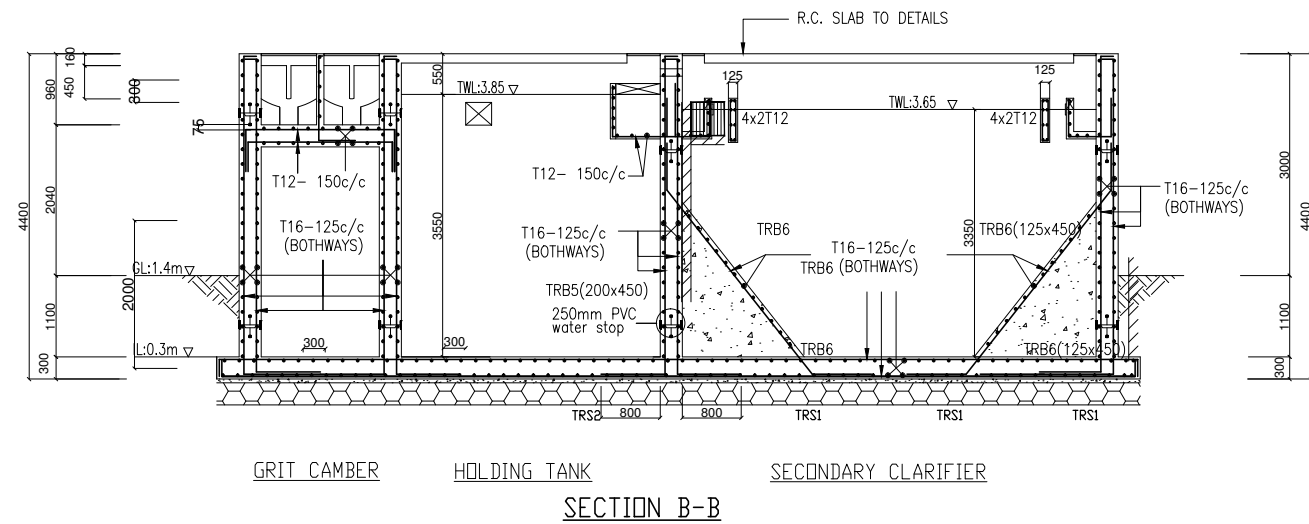
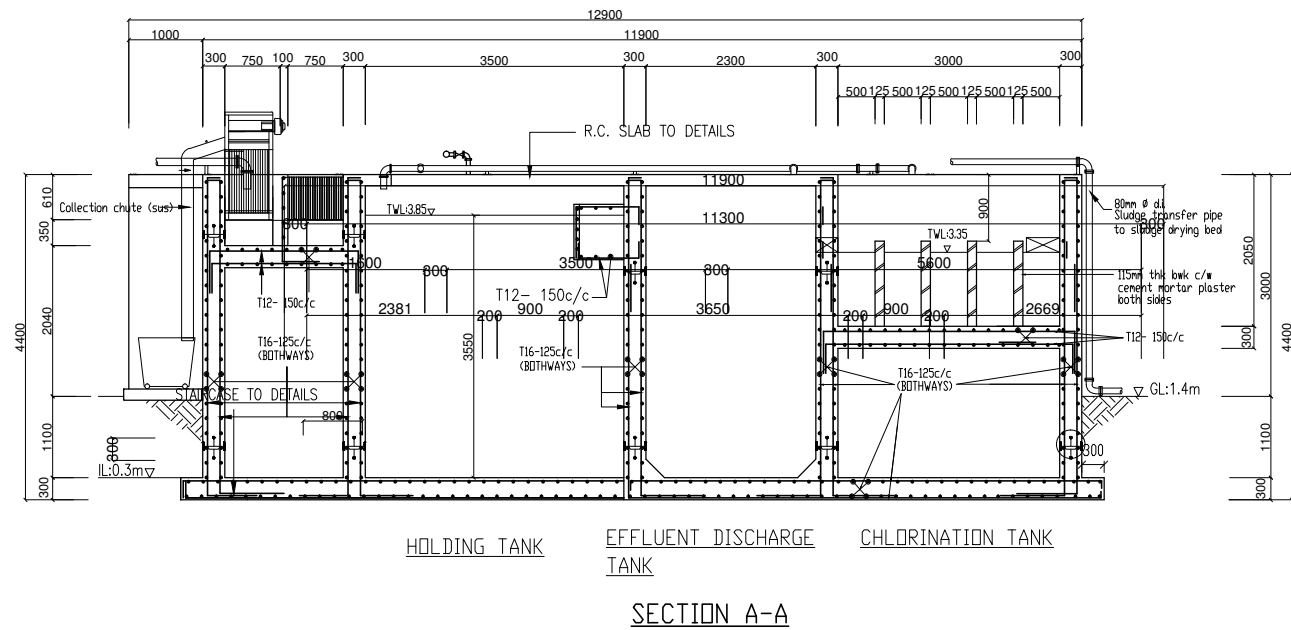


TANK BOTTOM VIEW

NOTES:-

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE SHOWN
2. ALL LEVELS SHOWN ARE IN METERS.
ALL LEVELS SHOWN ARE FROM MEAN SEA LEVEL
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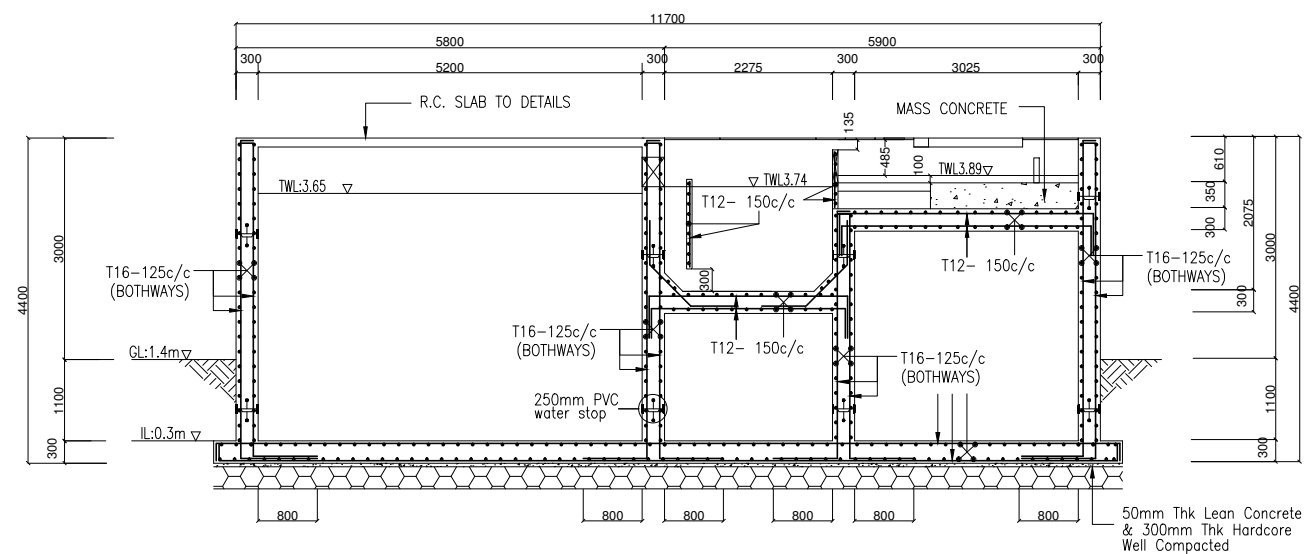
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-130 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



NOTES:-

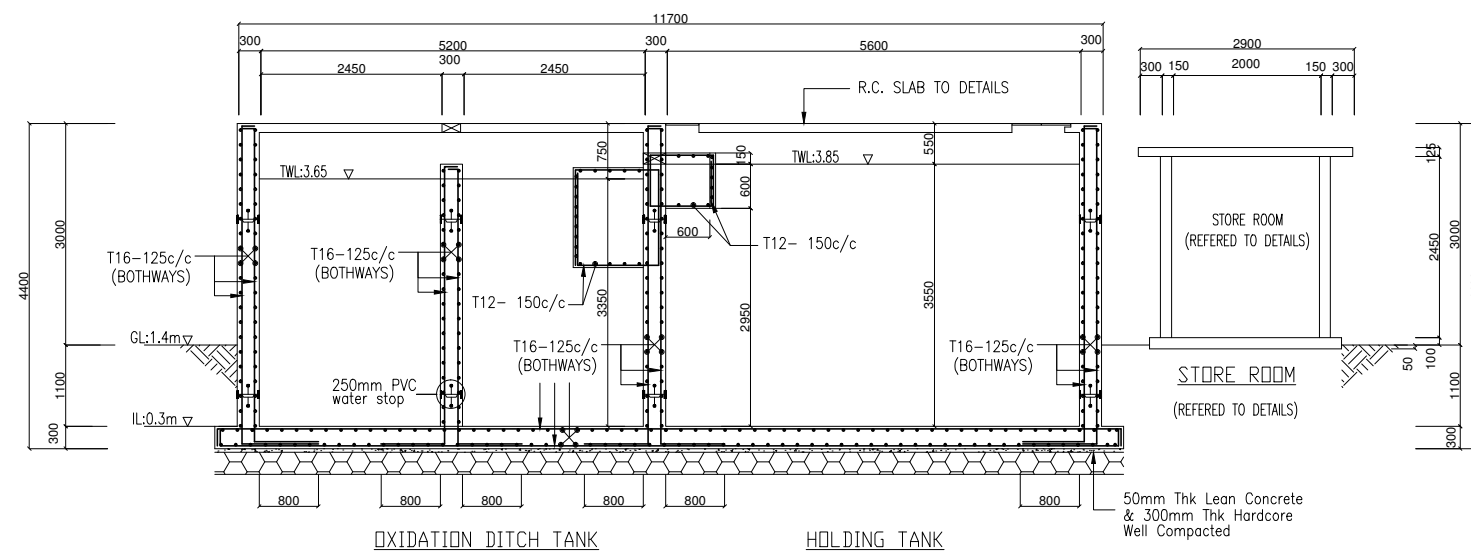
1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE SHOWN
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Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-132
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



SEC. SCREEN, GRIT , DISTRIBUTION CHANNEL & GREASE CHAMBER

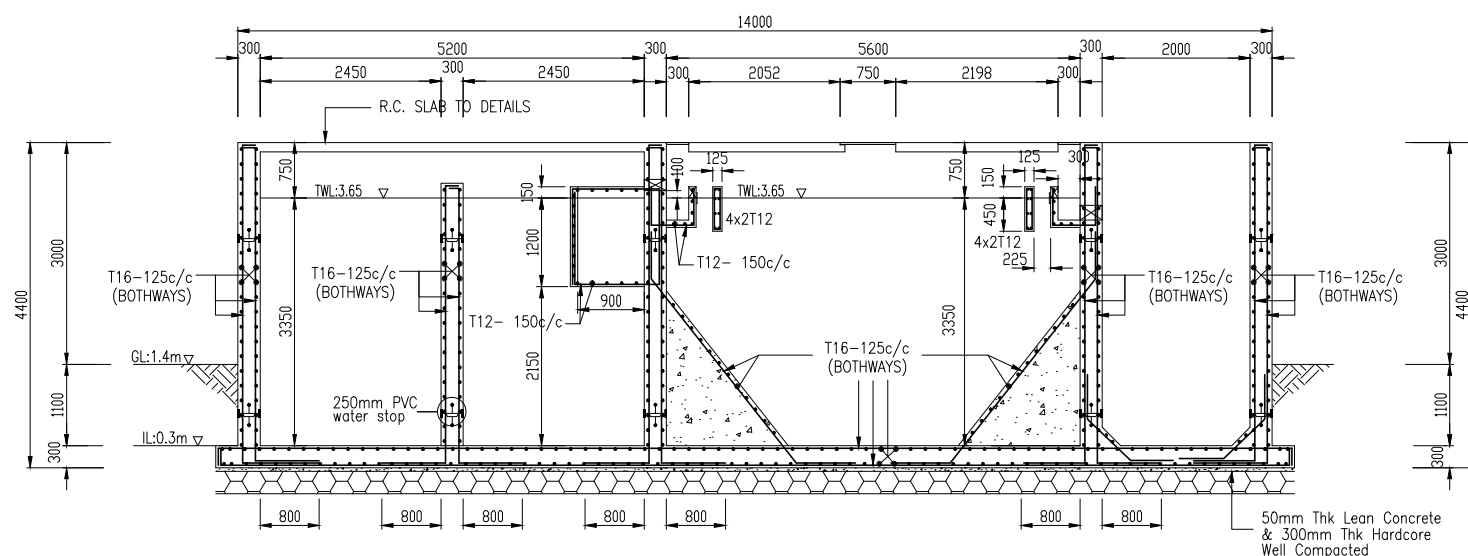
SECTION D-D



OXIDATION DITCH TANK

HOLDING TANK

SECTION E-E



OXIDATION DITCH TANK

SECONDARY CLARIFIER

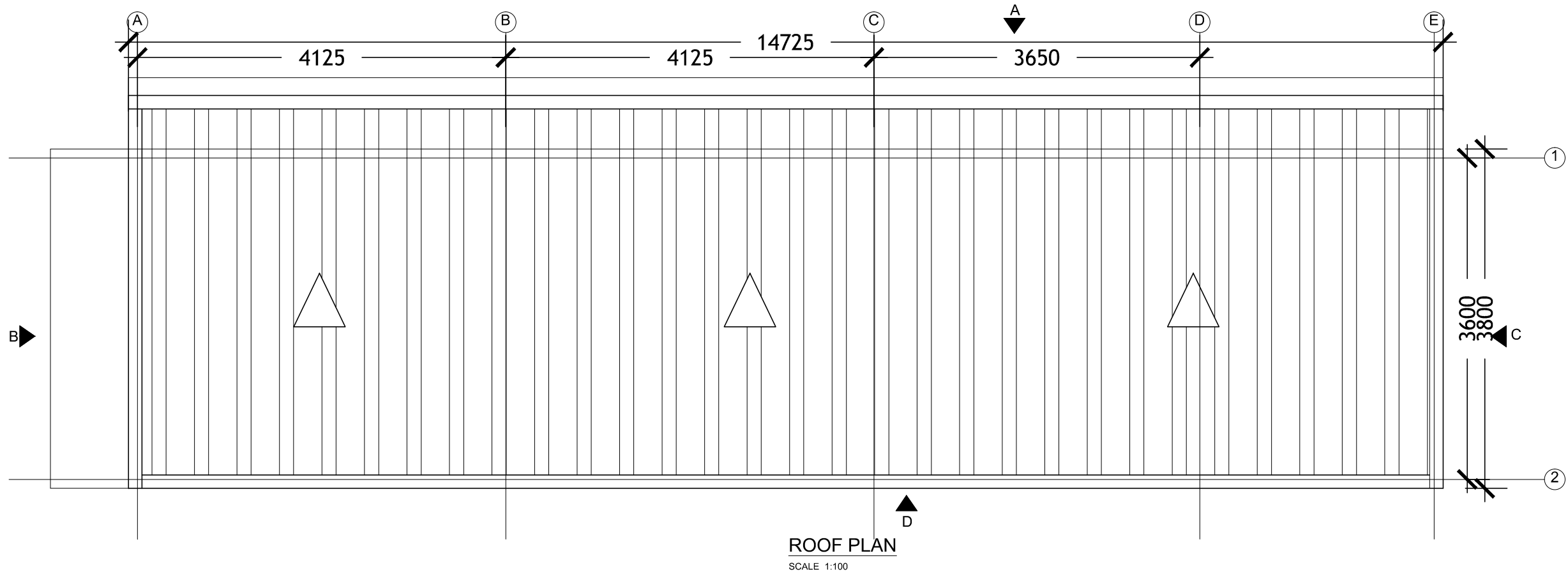
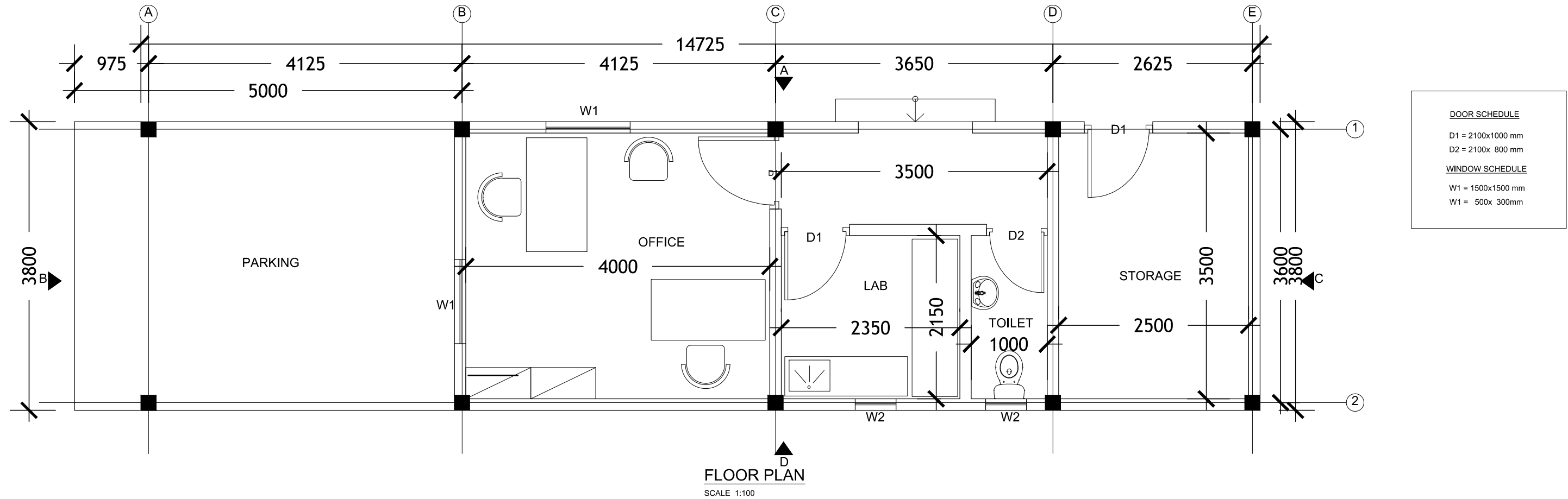
EFFLUENT DISCHARGE TANK

SECTION F-F

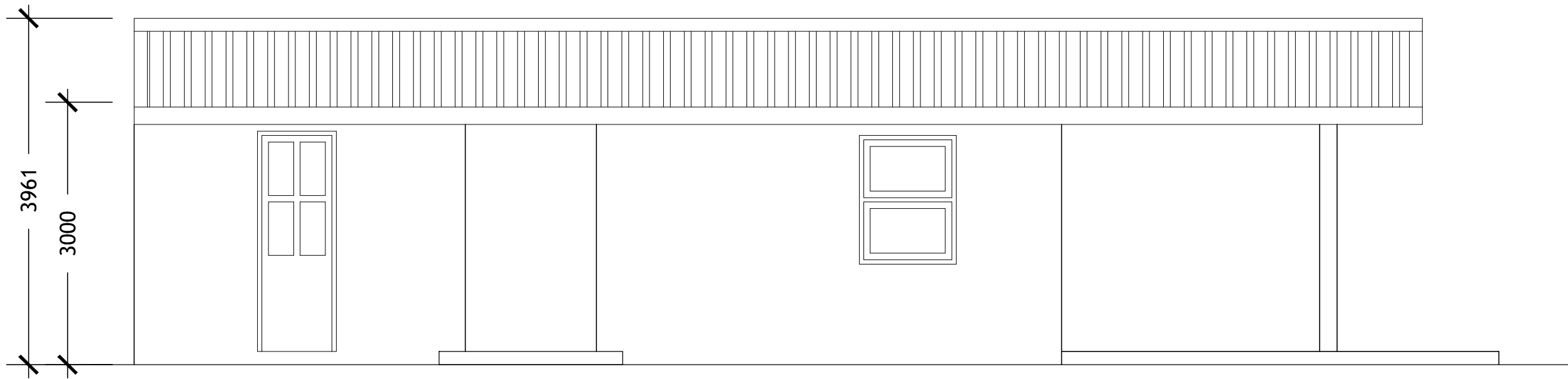
NOTES:-

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE SHOWN
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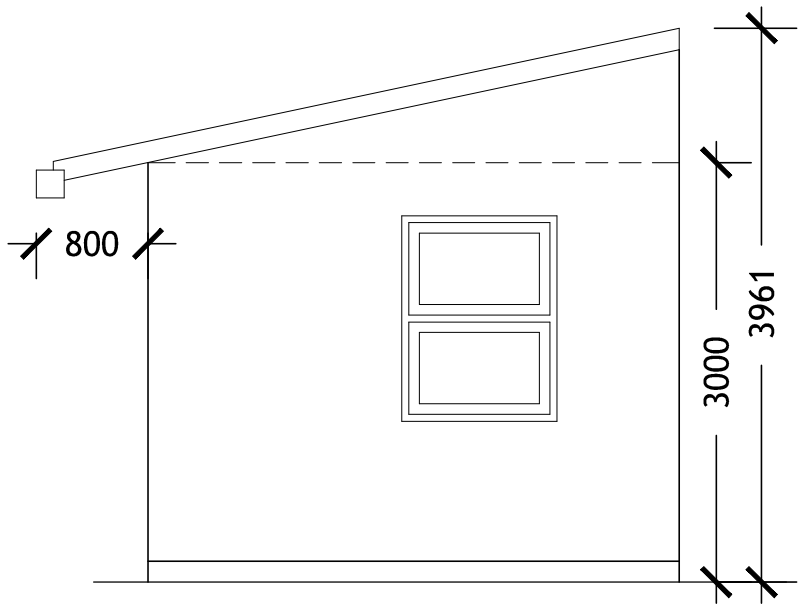
Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-133
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



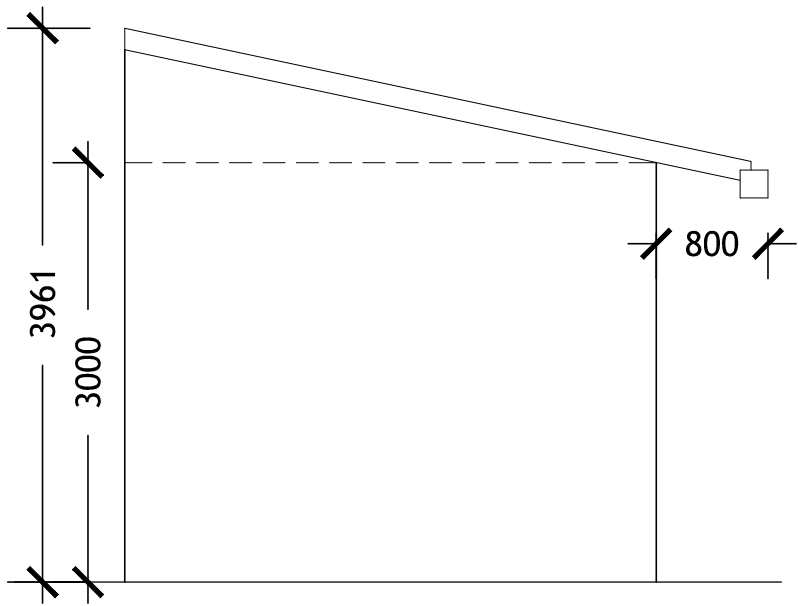
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
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								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	



ELEVATION - A
SCALE 1:100



ELEVATION - B
SCALE 1:100

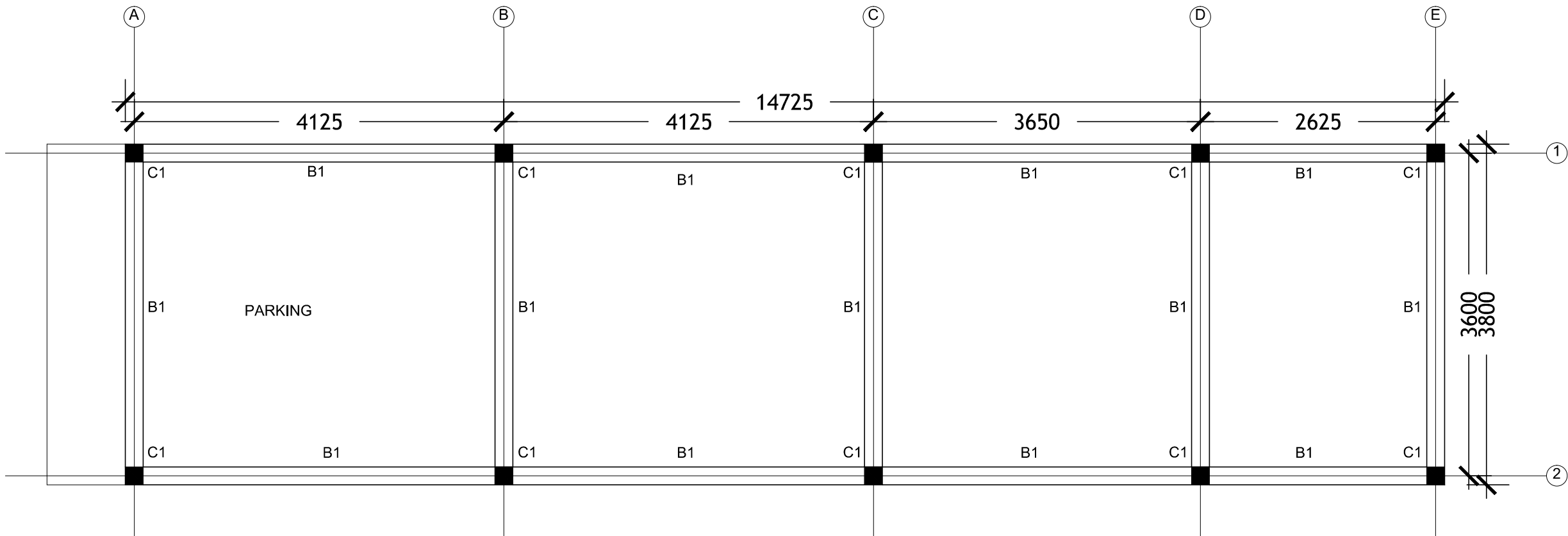


ELEVATION - C
SCALE 1:100

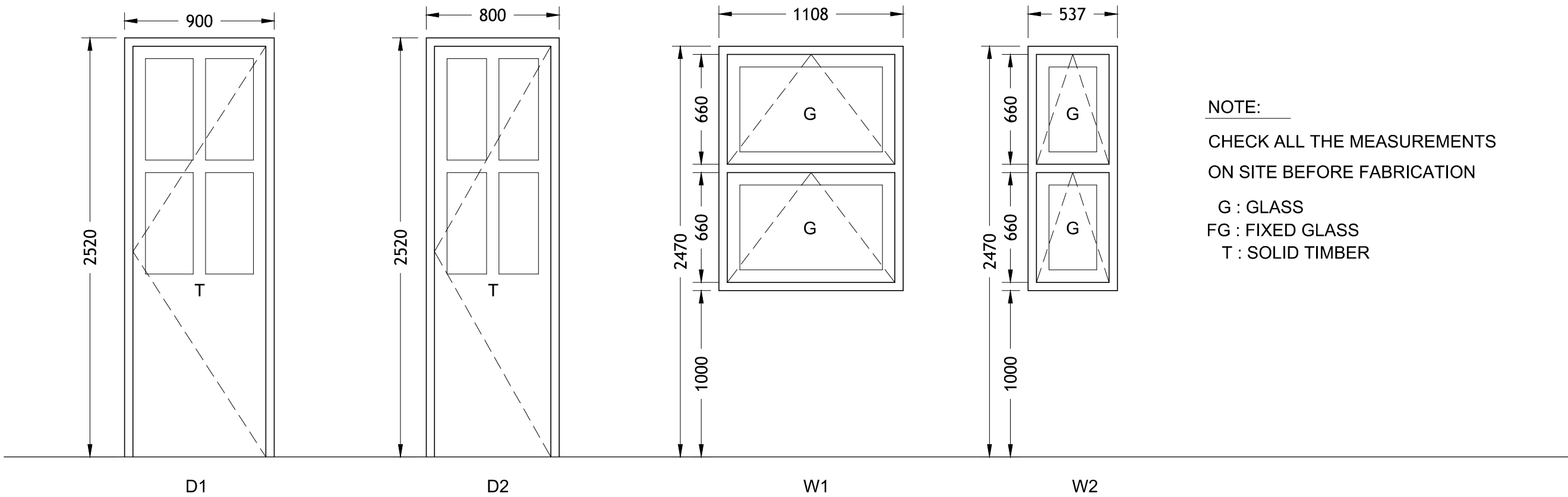
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Aliikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-134.1 Sheet No.
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								Date:	28.Mar.2016	
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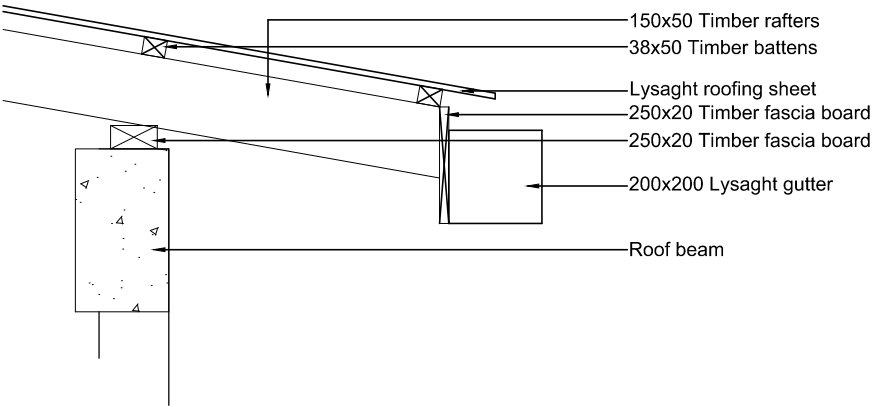
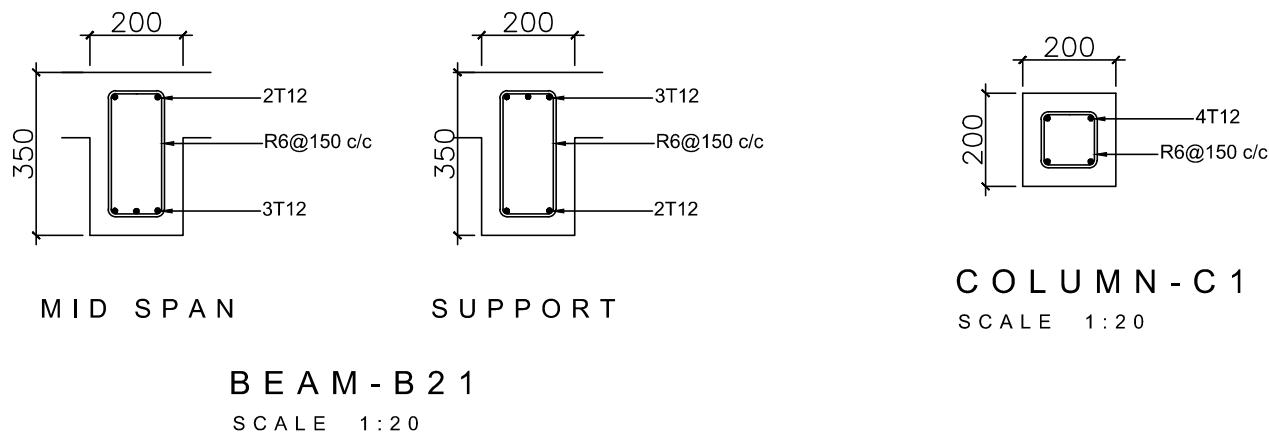
ELEVATION - D
SCALE 1:100



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Aliikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-134.2 Sheet No.
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								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
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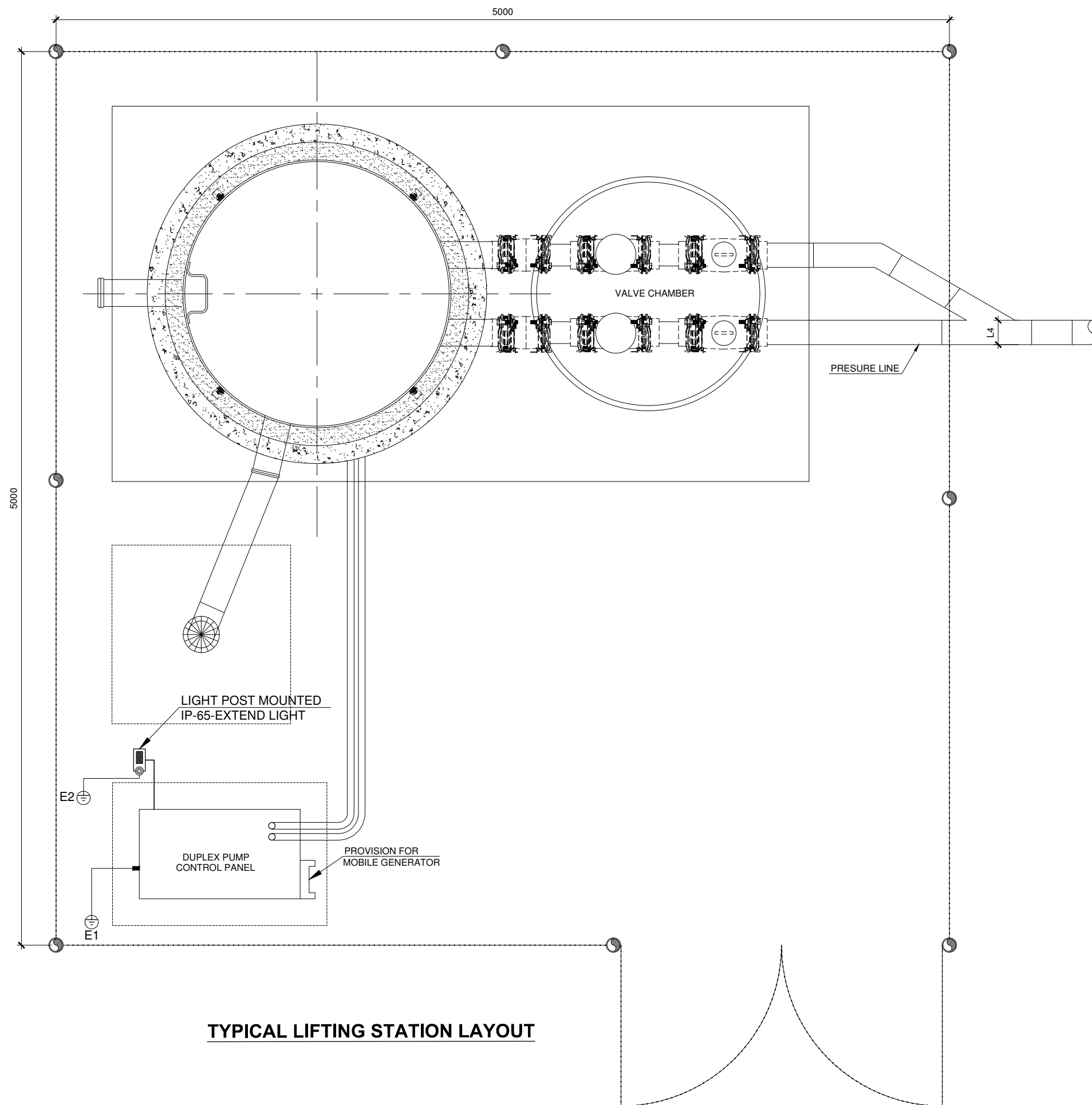
DOOR/WINDOW SCHEDULE - 2 1:50



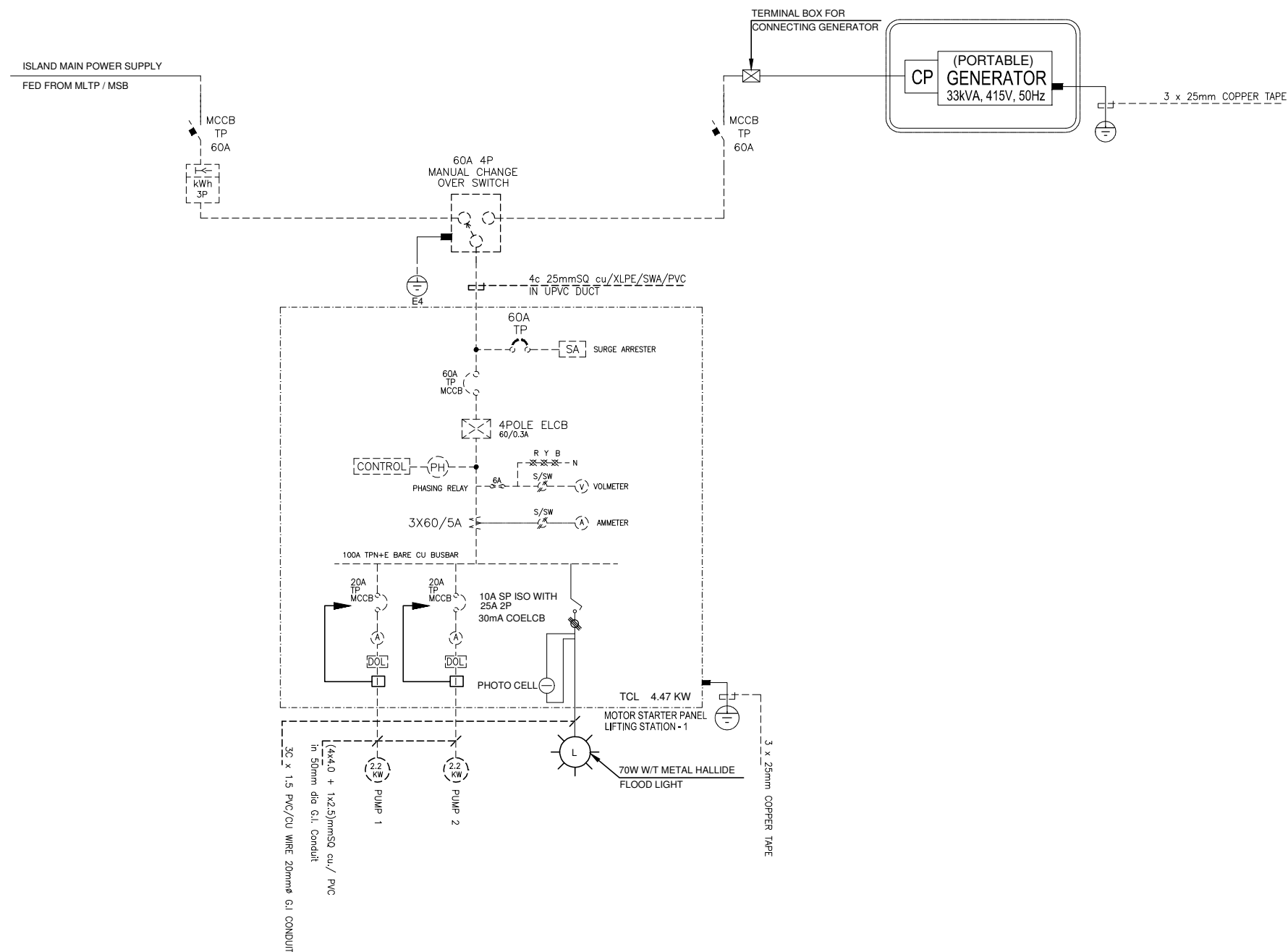
ROOF DETAIL
SCALE 1:20

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Aliikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-134.3
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	

ELECTRICAL DRAWINGS

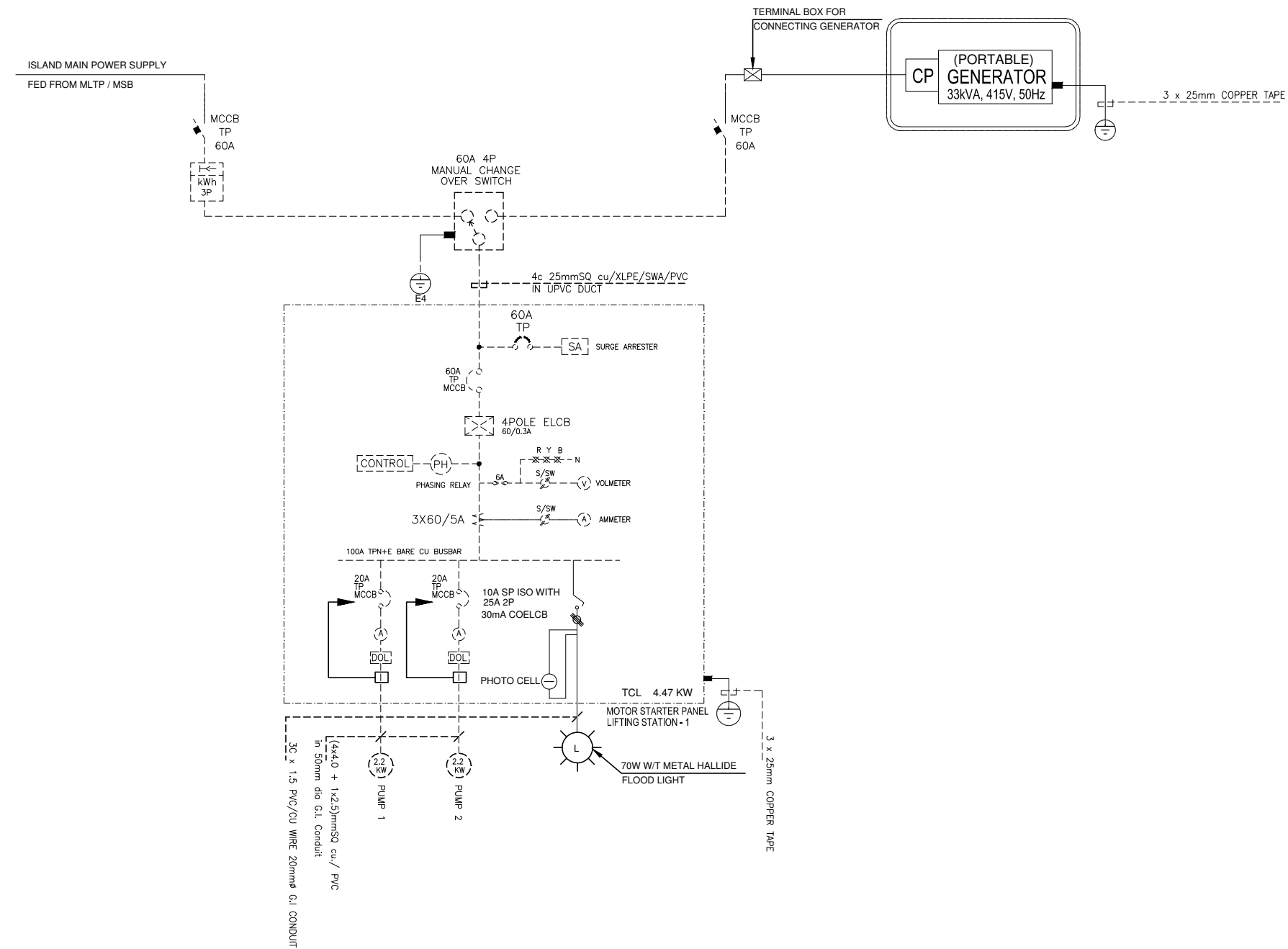


Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
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								Checked by:	Hussain Shaheed	Sheet No.
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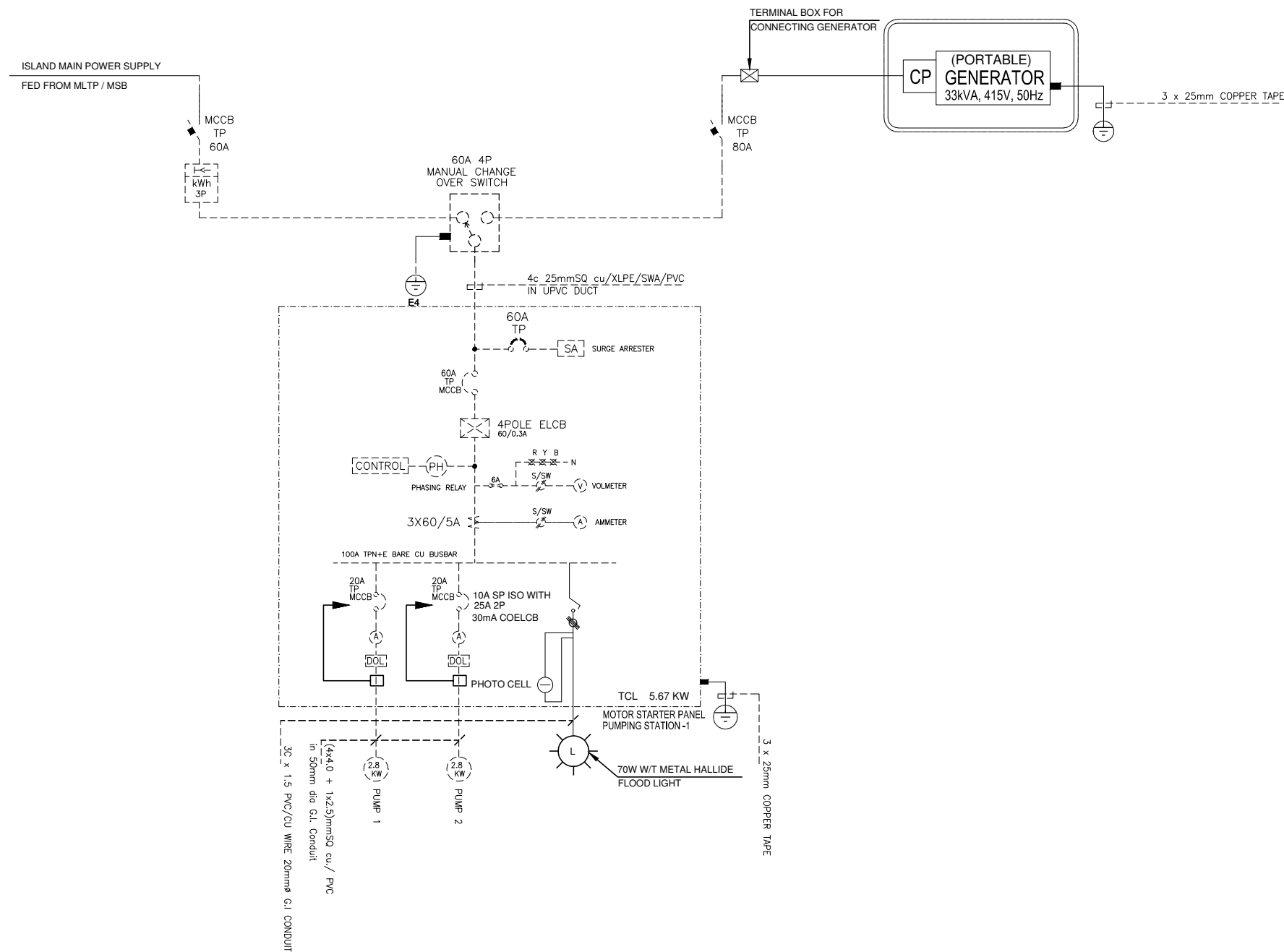
Single Line Diagram for 3 Phase Lifting
Station 01 to 09
(S.Maradhoo & S.Maradhoo-Feydhoo)

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-101.1
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
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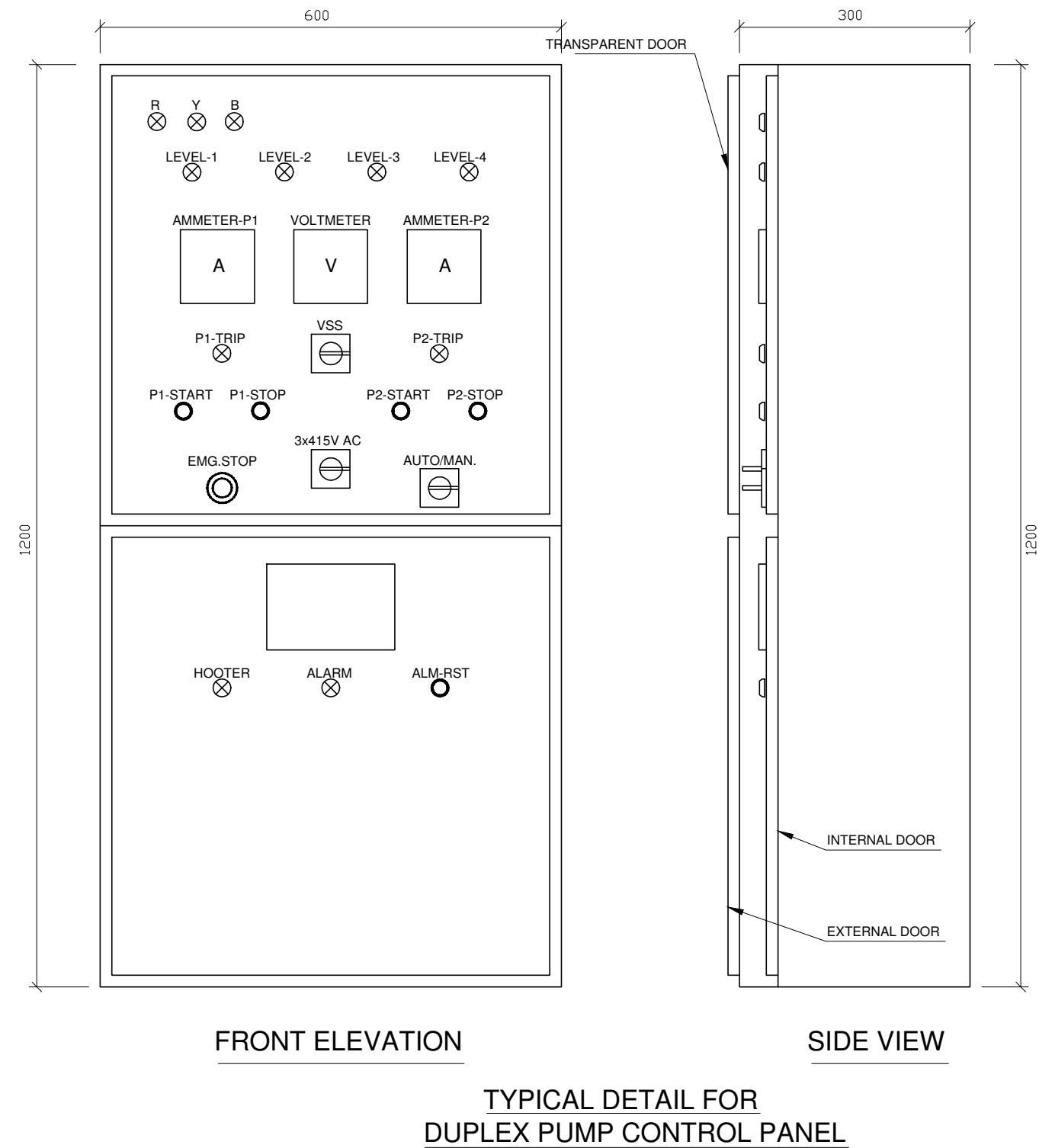
Single Line Diagram for 3
Phase Lifting Station 01 to 06
(S. Feydhoo)

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-101.3
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



Single Line Diagram for 3
Phase Pumping Station - 1
(S. Feydhoo)

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-101.4 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
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								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	

S. MARADHOO & S. MARADHOO-FEYDHOO	LOAD CALCULATION
-----------------------------------	------------------

Lifting Station 01

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 02

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 03

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 04

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 05

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

S. MARADHOO & S. MARADHOO-FEYDHOO	LOAD CALCULATION
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Lifting Station 06

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 07

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 08

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 09

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Pumping Station 01

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2800	1	2800	1.00	0.80	0.80	2,240.00	2,800.00	11.67
2	PUMP 2	2800	1	2800	1.00	0.80	0.80	2,240.00	2,800.00	11.67
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	23.52

Sewerage Treatment Plant

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	TOTAL CONNECTED LOAD	31000	1	31000	1.00	0.80	0.80	24,800.00	31,000.00	129.17
									31,000.00	129.17

FLOOR DETAILS	LOAD (1ph)	LOAD (3ph)
LIFTING STATION 01	18.52	6.17
LIFTING STATION 02	18.52	6.17
LIFTING STATION 03	18.52	6.17
LIFTING STATION 04	18.52	6.17
LIFTING STATION 05	18.52	6.17
LIFTING STATION 06	18.52	6.17
LIFTING STATION 07	18.52	6.17
LIFTING STATION 08	18.52	6.17
LIFTING STATION 09	18.52	6.17
PUMPING STATION 01	23.52	7.84
SEWERAGE TREATMENT PLAN	129.17	43.06
TOTAL 1ph & 3 ph LOAD	319.37	106.43

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegeaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-101.6
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	

S. FEYDHOO	LOAD CALCULATION
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Lifting Station 01

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 02

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 03

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 04

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Lifting Station 05

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
2	PUMP 2	2200	1	2200	1.00	0.80	0.80	1,760.00	2,200.00	9.17
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	18.52

Pumping Station 01

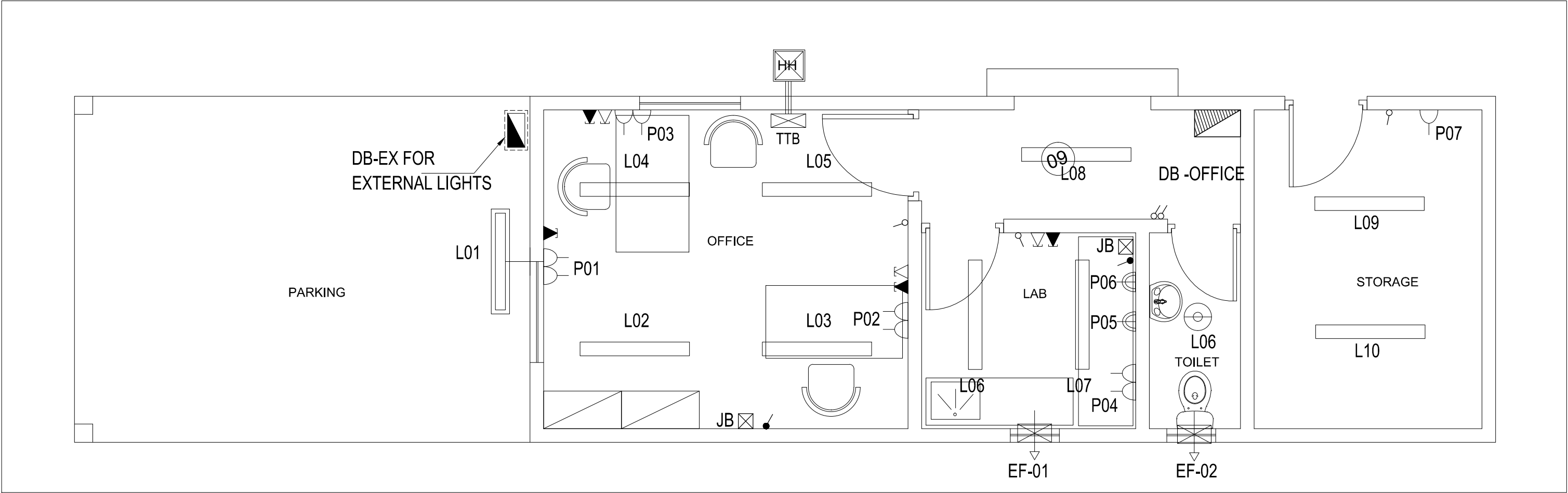
S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	PUMP 1	2800	1	2800	1.00	0.80	0.80	2,240.00	2,800.00	11.67
2	PUMP 2	2800	1	2800	1.00	0.80	0.80	2,240.00	2,800.00	11.67
3	FLOOD LIGHT	70	1	70	1.00	0.50	0.80	35.00	43.75	0.18
									4,443.75	23.52

Sewerage Treatment Plant

S/N	ITEM	POWER(W)	UNITS	TOTAL CON P(W)	L.F	D.F	P.F	TOTAL ACT P(W)	TOTAL ACT P(VA)	TOTAL LOAD (A)
1	TOTAL CONNECTED LOAD	31000	1	31000	1.00	0.80	0.80	24,800.00	31,000.00	129.17
									31,000.00	129.17

FLOOR DETAILS	LOAD (1ph)	LOAD (3ph)
LIFTING STATION 01	18.52	6.17
LIFTING STATION 02	18.52	6.17
LIFTING STATION 03	18.52	6.17
LIFTING STATION 04	18.52	6.17
LIFTING STATION 05	18.52	6.17
LIFTING STATION 06	18.52	6.17
PUMPING STATION 01	23.52	7.84
SEWERAGE TREATMENT PLAN	129.17	43.06
TOTAL 1ph & 3 ph LOAD	263.81	87.92

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-101.7 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



1. ALL DIMENSIONS ARE IN mm EXCEPT AND OTHERWISE SPECIFIED.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
3. ALL ABOVE GROUND CONDUIT SHALL BE RIGID HOT DIP GALVANIZED EXCEPT AS NOTED.
4. ALL NEMA 3R GASKETED S.S ENCLOSURES TO HAVE LOCKABLE HANDLE AND 3 POINT LATCHING.

LEGENDS		
TYPE	SYMBOL	DESCRIPTION
B		1 x 40W SURFACE MOUNTED FLUORESCENT LIGHT FITTING
C		1 x 40W WALL MOUNTED FLUORESCENT LIGHT FITTING-WEATHERPROOF
E		1x60W SURFACE MOUNTED FLUORESCENT DOWN LIGHT - WEATHERPROOF
		5A SWITCHED SOCKET OUTLET (1000W)
		5A SWITCHED SOCKET OUTLET AT HIGHT LEVEL-WEATHER PROOF (1000W)
		13A TWIN SWITCHED SOCKET OUTLET
		JUNCTION BOX
		20A DP SWITCH
		EXHAUST FAN (80W)
		TELEPHONE TERMINAL BOX
		SINGLE OUTLET FOR DATA
		SINGLE OUTLET FOR VOICE
		0.6x0.6x0.6m HAND HOLE

Employer:
MINISTRY OF ENVIRONMENT AND ENERGY
REPUBLIC OF MALDIVES

Engineer
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Project:
DESIGN CONSULTANCY FOR ADDU
ATOL 5 ISLANDS
SEWERAGE WORKS 2015
ISLAND:
MARADHOO, MARADHOO
FEYDHOO & FEYDHOO

Drawing Title:
AS GIVEN

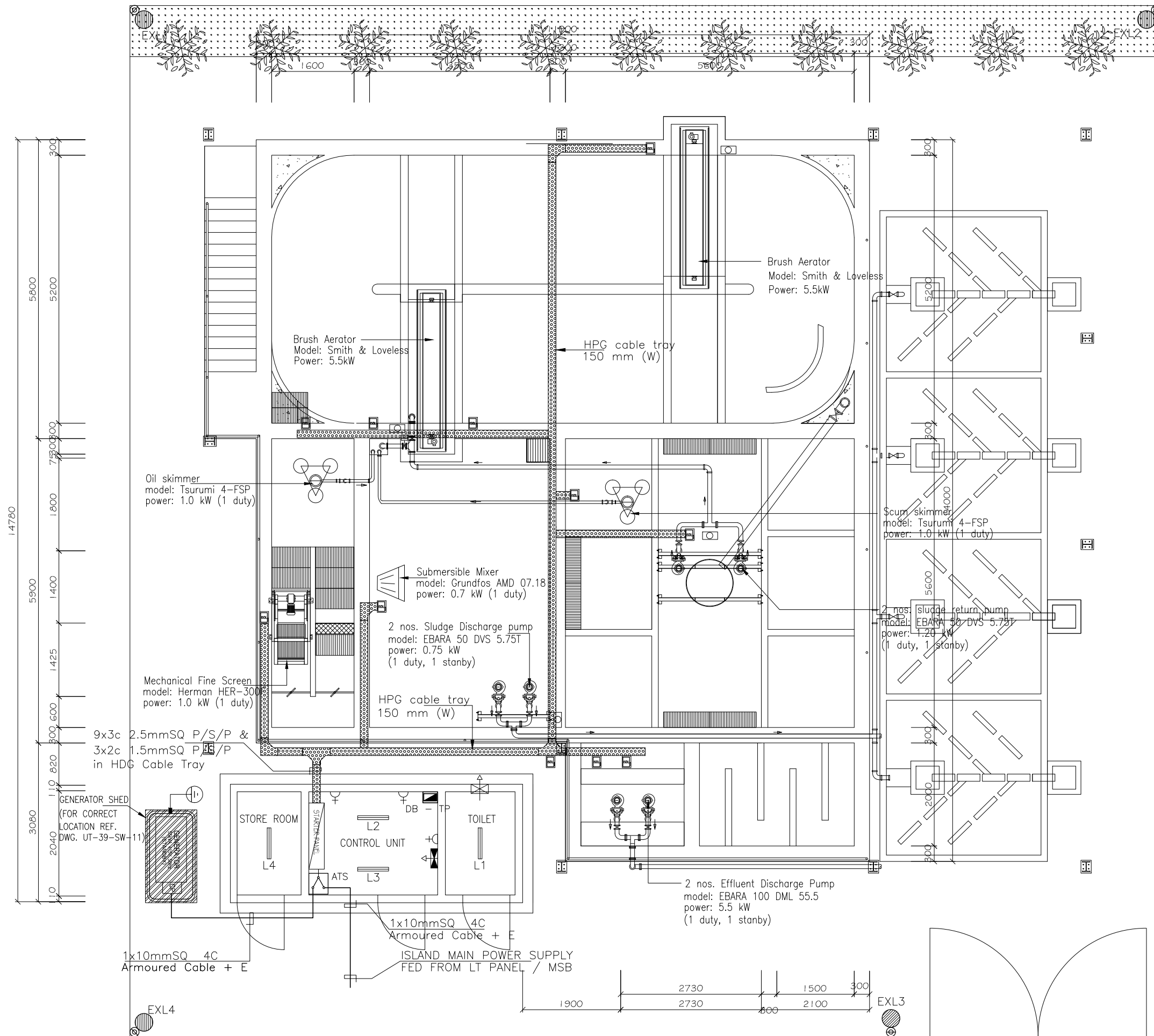
Legends:


Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
	-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-102
			Structural Design by:	Hassan Nihad	
			Checked by:	Hussain Shaheed	Sheet No.
			Date:	28.Mar.2016	
			Scale:	As given	

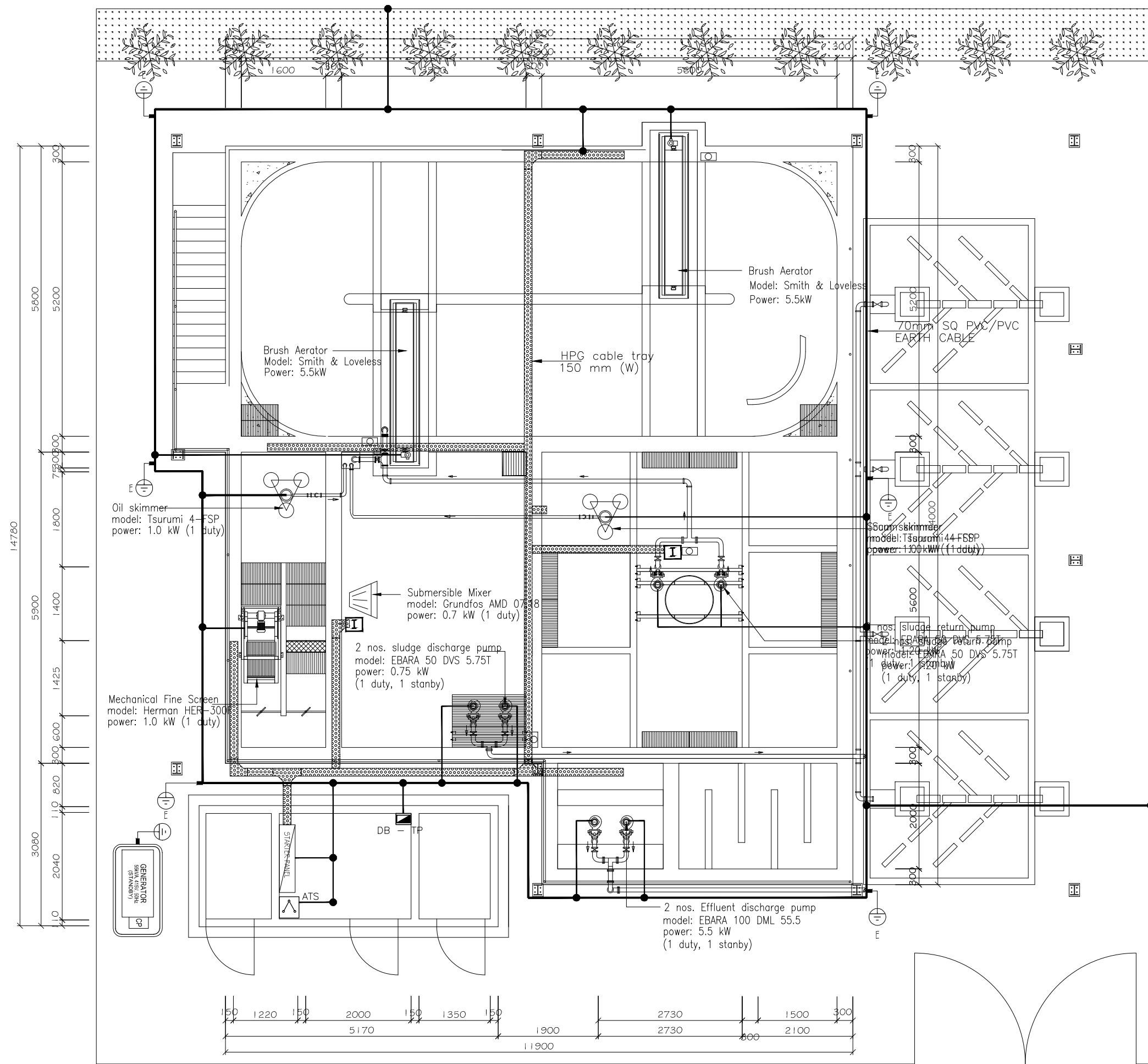
DB-OFFICE										
LOCATION: ADMIN BUILDING										
MCB 10 WAYS TPN				3 Nos. 63A HRC FUSES + ISOLATOR 100A TPN						
LIGHT SECTION				C.O.E.L.C.B. 40A, 300mA 4 POLE						
CR No	Phase	W.SIZE sq.m.m	RATES AMP	LOCATION	TYPE OF LIGHT/POWER	NO. OF POINTS	CONTROLLED BY	R	Y	B
1	R	2.5	10	OFFICE BLDG.	LIGHT L02-L05	4(1x50)	SWITCH	200		
	Y	2.5	10	LAB	LIGHT L6-L7	2(1x50)+1(1X80)	SWITCH		180	
	B	2.5	10	TOILET/CORRIDOR	LIGHT L06,-L08	1(1x70)+1(1x50)+1(1X80)	SWITCH			200
2	R	2.5	10	STORAGE	LIGHT L09-L10	2(1x50)	SWITCH	100		
	Y	2.5	10	OFFICE-CAR PARK	LIGHT L01	1(1x50)	SWITCH		50	
	B	-	10		SPARE					

DB-EX										
2 WAYS TPN				40A, TP, ISOLATOR						
				C.O.E.L.C.B. 40A, 300mA 4 POLE						
CR No	Phase	W.SIZE sq.m.m	M C B WITH	LOCATION	DESCRIPTION	NO. OF POINTS	CONTROLL ED BY	R	Y	B
1	R	6.0	15A SP	EXTERNAL LIGHTS	EX1-EX4	4(1x90)	Controlled by 20A 2P contactor, Photocell and H-O-A selector	360		
	Y	6.0	15A SP	EXTERNAL LIGHTS	EX5-EX8	4(1x90)			360	
	B	-	15A SP	EXTERNAL LIGHTS	EX9-EX12	4(1x90)				360
2	R	-	15A SP		SPARE					
	Y	-	15A SP		SPARE					
	B	-	15A SP		SPARE					
TOTAL CONN. LOAD						01.080 K.W.		360	360	360

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						-		Hydraulic Designed by:	Hussain Shaheed	
								Structural Design by:	Hassan Nihad	Sheet No.
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer <div></div> <div>2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeeco.com.mv</div>	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-104
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



Employer:
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Project:
DESIGN CONSULTANCY FOR ADDU
ATOL 5 ISLANDS
SEWERAGE WORKS 2015
ISLAND:
MARADHOO, MARADHOO
FEYDHOO & FEYDHOO

Drawing Title:
AS GIVEN

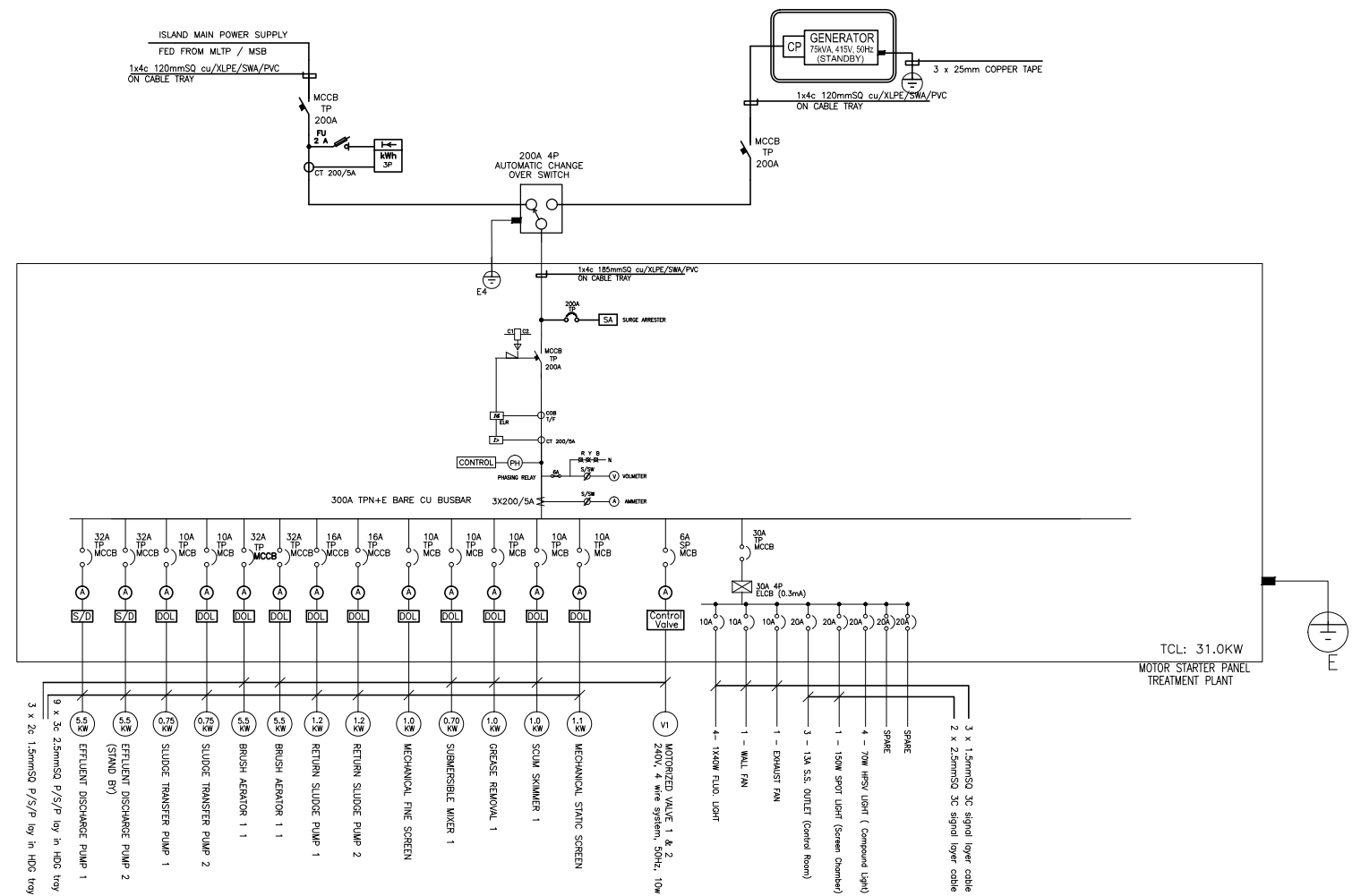
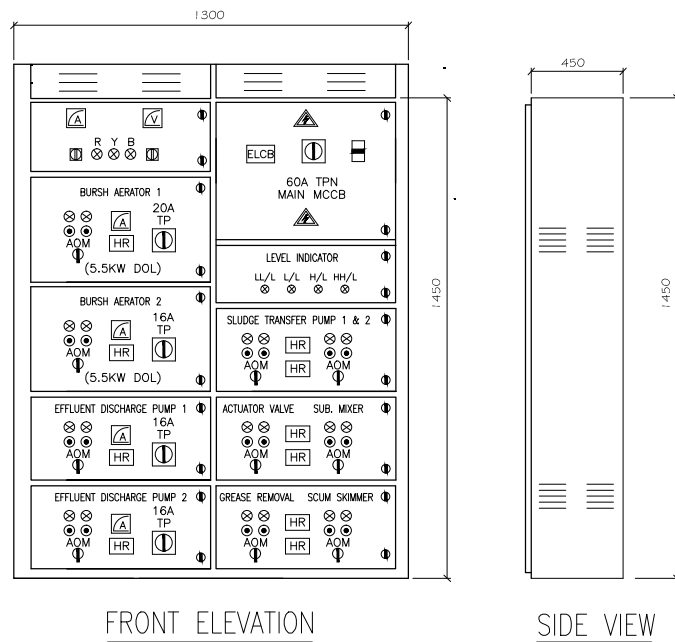
Legends:

Rev	Date	Notes by Engineer:
	-	


Drawn by:	Ahmed A.Saththaru	Drawing No.
Hydraulic Designed by:	Hussain Shaheed	MF-EL-104.1
Structural Design by:	Hassan Nihad	
Checked by:	Hussain Shaheed	Sheet No.
Date:	28.Mar.2016	
Scale:	As given	







Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-105
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



Single Line Diagram for Sewerage Treatment plant For S. Feydhoo

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-105.1
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	

STARTER PANEL


LEGEND	DESCRIPTION	MAKE
MCCB	MOULDED CASE CIRCUIT BREAKER	MG
MCB	MINIATURE CIRCUIT BREAKER	MG
ELR	EARTH LEAKAGE RELAY	MIKRO
ELCB	EARTH LEAKAGE CIRCUIT BREAKER	ABB
A	AMMETER	MPEX
V	VOLTMETER	MPEX
PF	POWER FACTOR METER	MPEX
	SELECTOR SWITCH	SALZER
	PHASE INDICATOR	TELEMACNIQUE
	MCB LOCKABLE ISOLATOR	BLUE LINE
DOL	DIRECT ON–LINE STARTER	TELEMACNIQUE
SA	SURGE ARRESTOR	OBO
	ISOLATOR	—

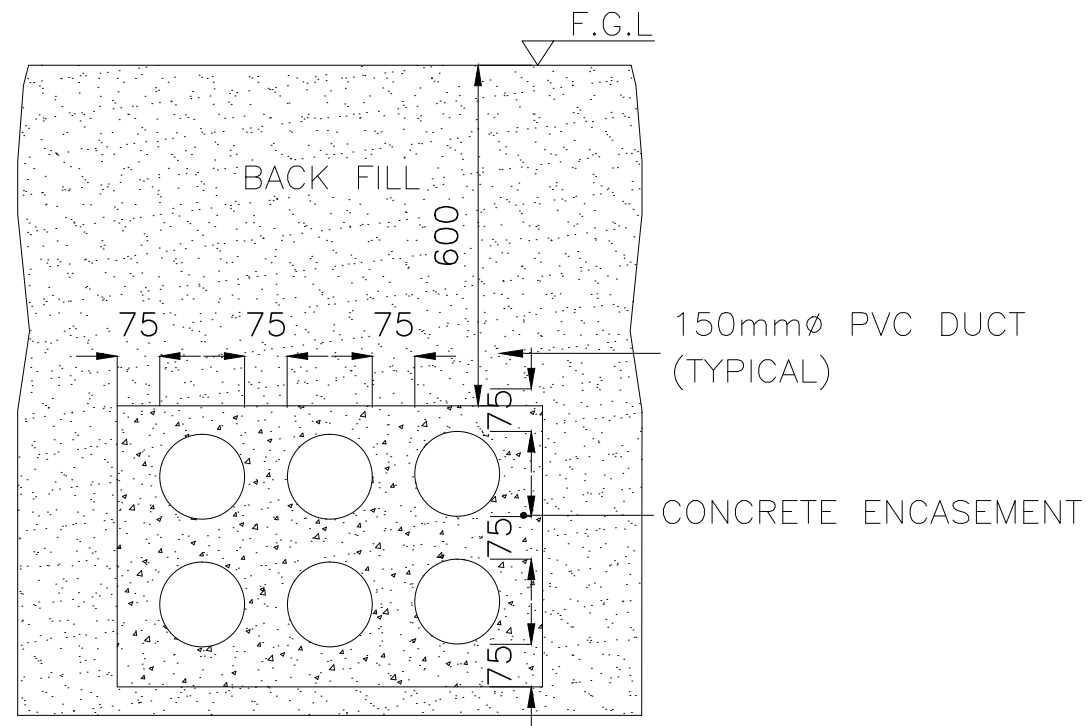
MATERIAL USED :

STRUCTURE FRAME : 2.0MM THICK E/G SHEET
COVER : 2.0MM THICK E/G SHEET
COLOUR FINISHED : POWDER COATING MP 7484T (GREY)
BUS BAR SUPPORT : SOCOMEC BS 5486
HPG : HOT–DIP GALVANIZED

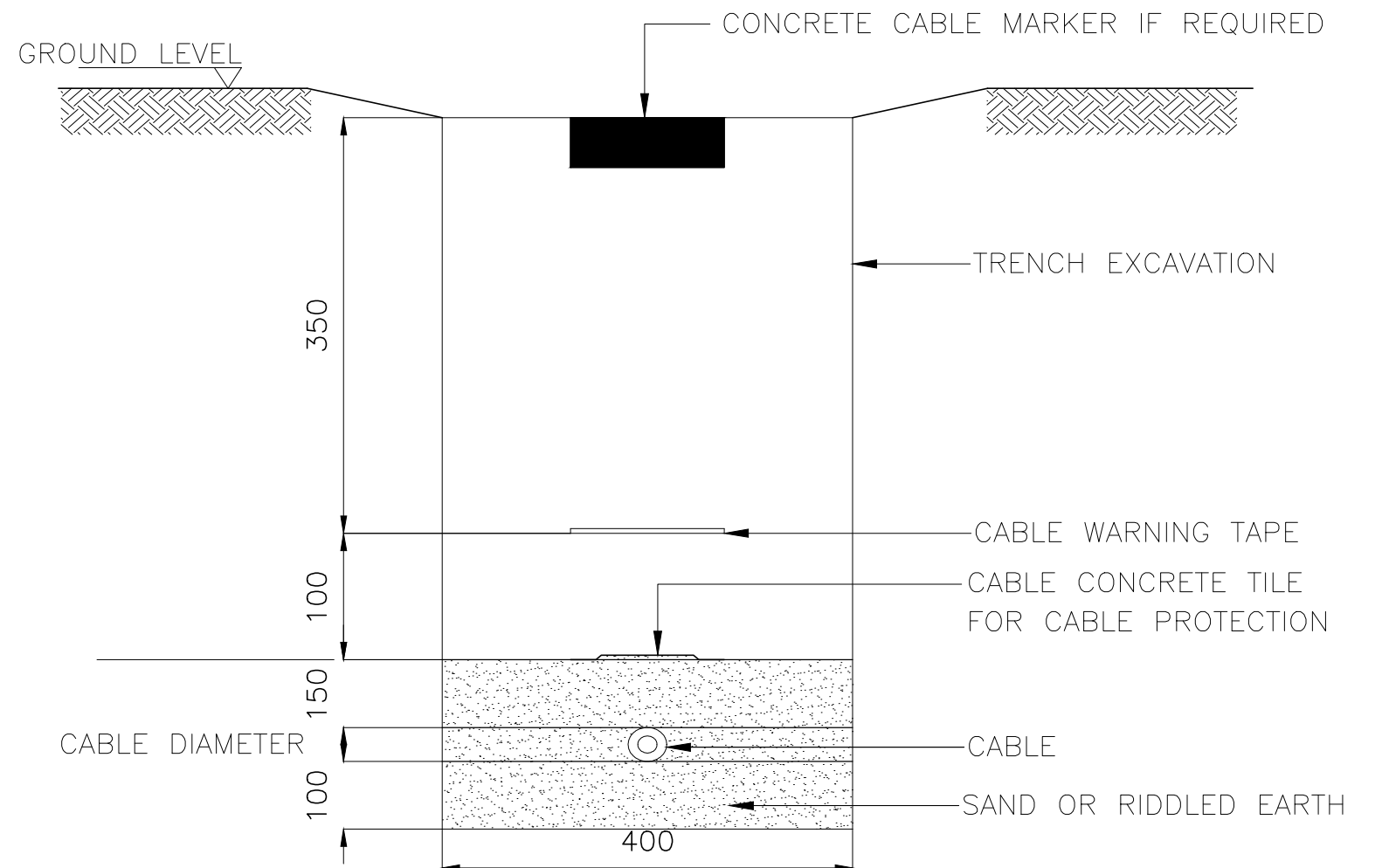
NOTE :

ALL ELECTRICAL INSTALLATIONS FOR OUTDOOR USE SHALL BE PROTECTED FROM RAIN.
ALL THE DIMENSIONS ARE IN MILLIMETERS EXCEPT AND OTHERWISE SPECIFIED.


Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-105.2
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
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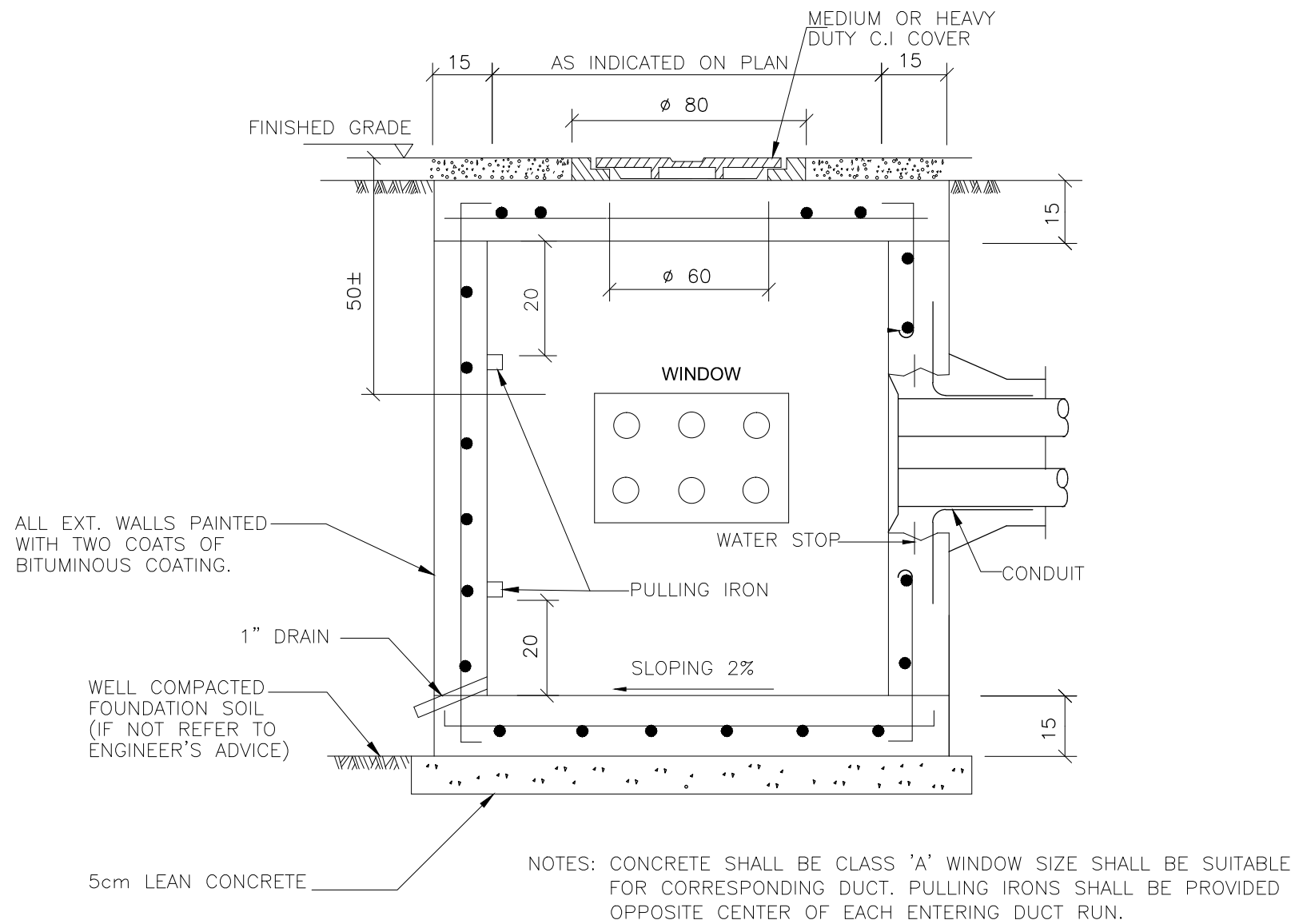


1 DUCT BANK DETAIL

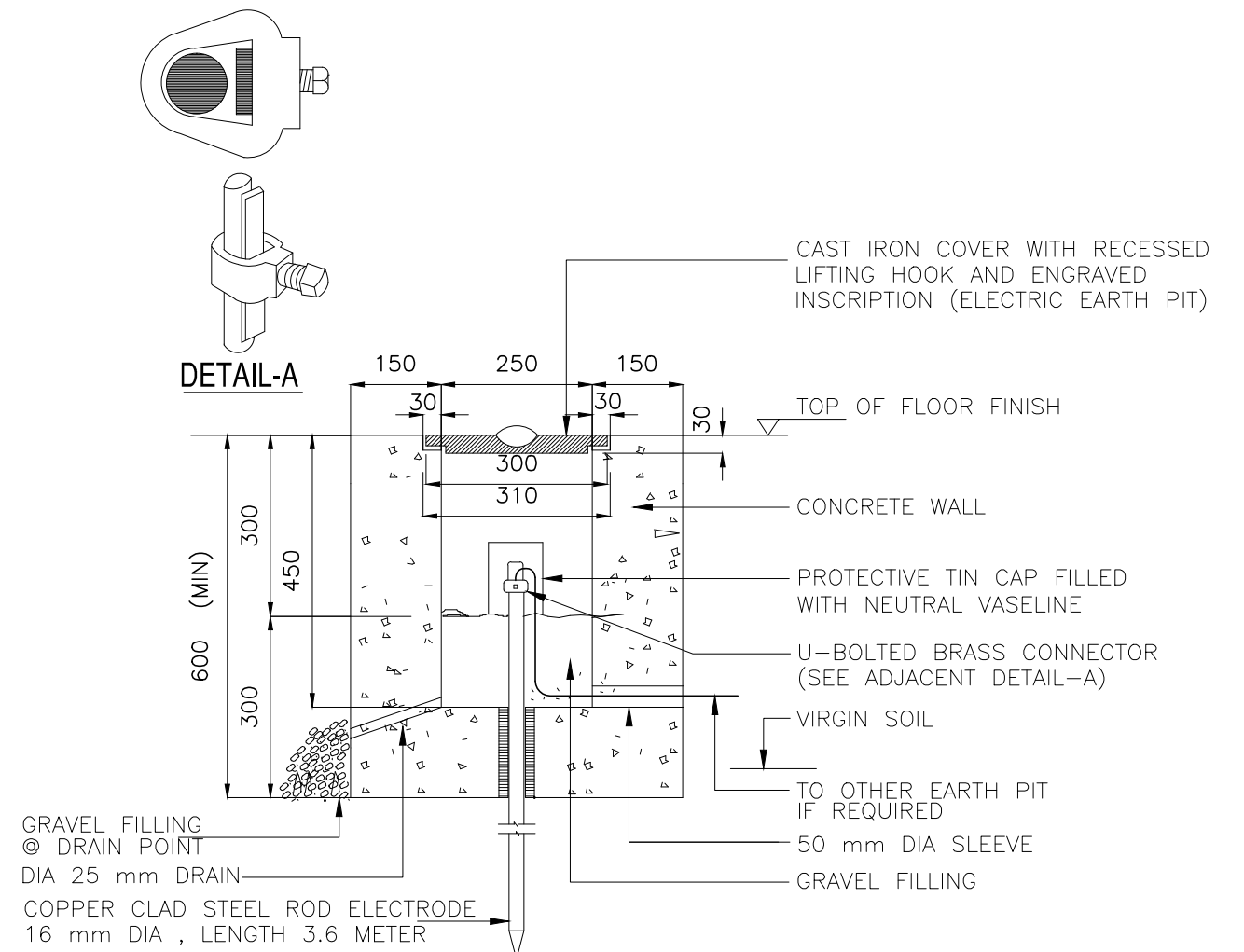


2 DIRECT BURIED CABLES

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer <div></div> <div>2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv</div>	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.	
						-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-106	
								Structural Design by:	Hassan Nihad		
								Checked by:	Hussain Shaheed		Sheet No.
								Date:	28.Mar.2016		
								Scale:	As given		



3 MANHOLE DETAIL



4 EARTH PIT CONSTRUCTION (OUTDOOR)

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-EL-106.1
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	