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REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASI AREA - RAFAH - GAZA STRIP

Project Code: 11473/OVERSEAS

SERVICE BUILDING DRAWINGS

JULY 2020

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LIST OF DRAWINGS FOR THE SERVICE BUILDING

NO.	DRAWING NAME	DWG NO.
ARCHITECTURAL DRAWINGS		
01	SERVICE BUILDING GROUND FLOOR & ROOF PLAN	SB-A-001
02	SERVICE BUILDING ELEVATIONS & SECTION	SB-A-002
03	SERVICE BUILDING WINDOWS DETAILS	SB-A-003
04	SERVICE BUILDING STEEL DETAILS	SB-A-004
05	SERVICE BUILDING DOORS DETAILS	SB-A-005
STRUCTURAL DRAWINGS		
07	SERVICE BUILDING COLUMN AXES & FOUND DETAILS	SB-S-001
08	SERVICE BUILDING GROUND BEAMS & COL. DETAILS	SB-S-002
09	SERVICE BUILDING GROUND SLAB DETAILS	SB-S-003
10	SERVICE BUILDING BEAMS DETAILS	SB-S-004
11	SERVICE BUILDING STRUC. DETAILS	SB-S-005

NO.	DRAWING NAME	DWG NO.
ELECTRICAL DRAWINGS		
12	SERVICE BUILDING ELECTRICAL SYSTEMS	SB-E-001
MECHANICAL DRAWINGS		
13	SERVICE BUILDING SANITARY SYSTEMS	SB-M-001
14	SERVICE BUILDING PLUMPING DETAILS (1/2)	SB-M-002
15	SERVICE BUILDING PLUMPING DETAILS (2/2)	SB-M-003

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SERVICE BUILDING ARCHITECTURAL DRAWINGS

NOTES :-

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- CONTRACTOR SHALL SUBMIT THE MANUFACTURE, CATALOG, DIMENSION, DETAILS AND CONNECTIONS FOR ALL MECHANICAL WORKS THAT SHOULD BE COMPATIBLE WITH THE SIZE OF BUILDING AND CHAMBERS.
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PROJECT TITLE:

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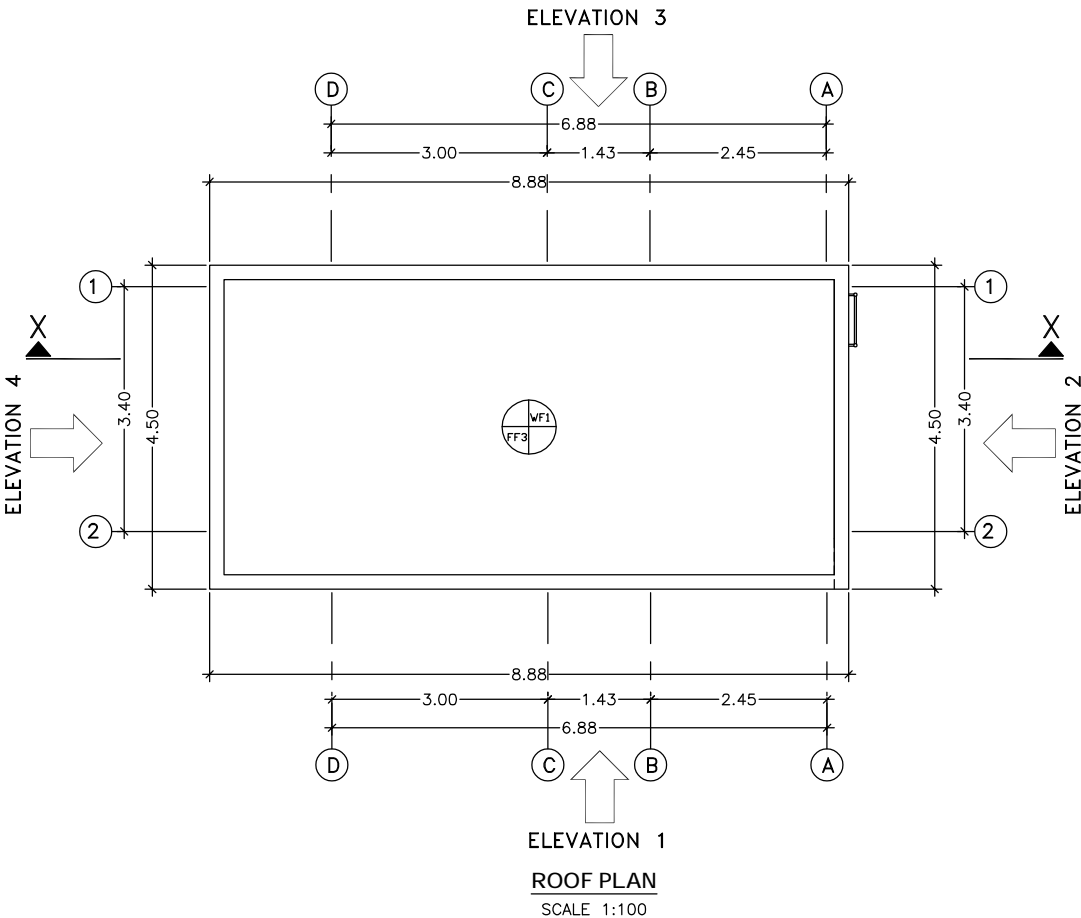
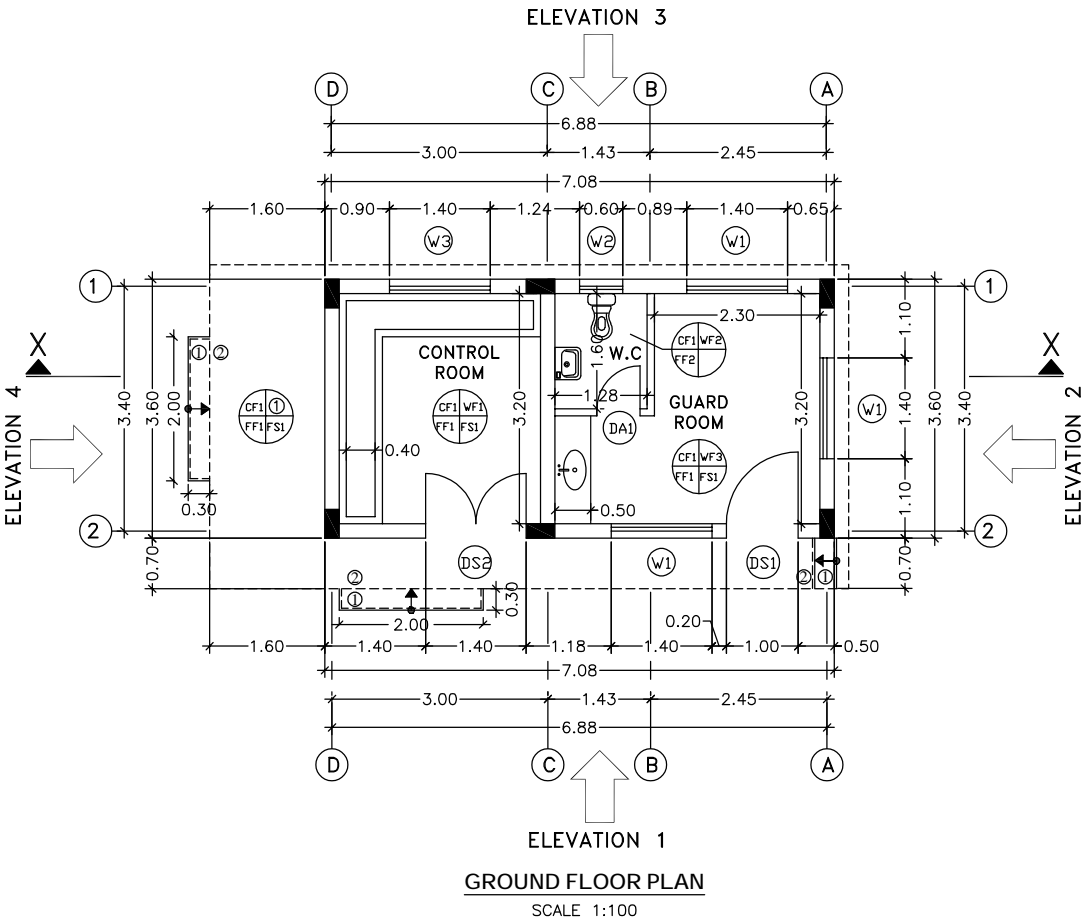
DRAWING TITLE:

SERVICE BUILDING GROUND FLOOR & ROOF PLAN

DRAWING NO.: SB-A-01

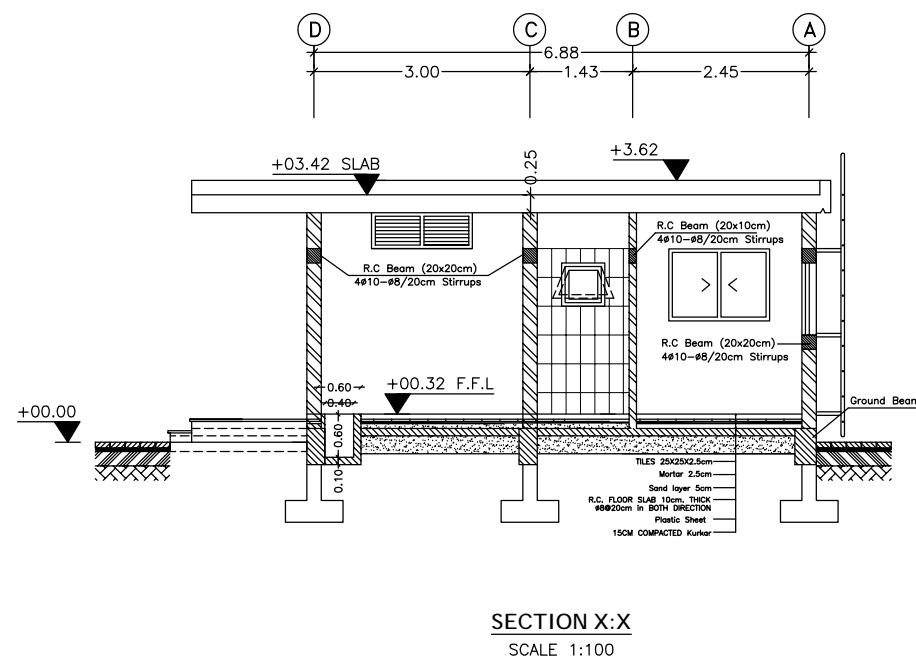
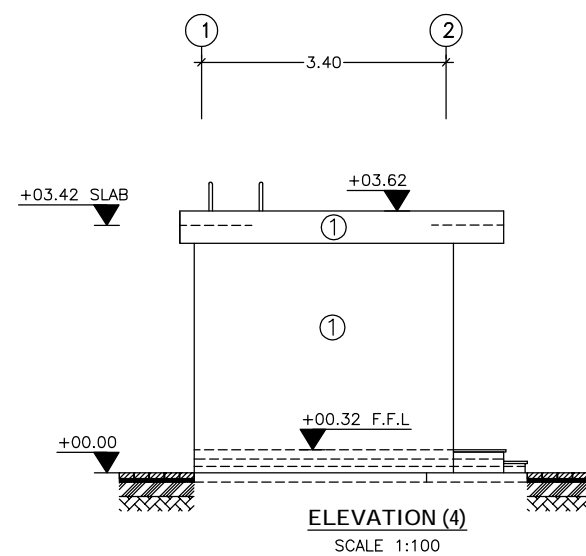
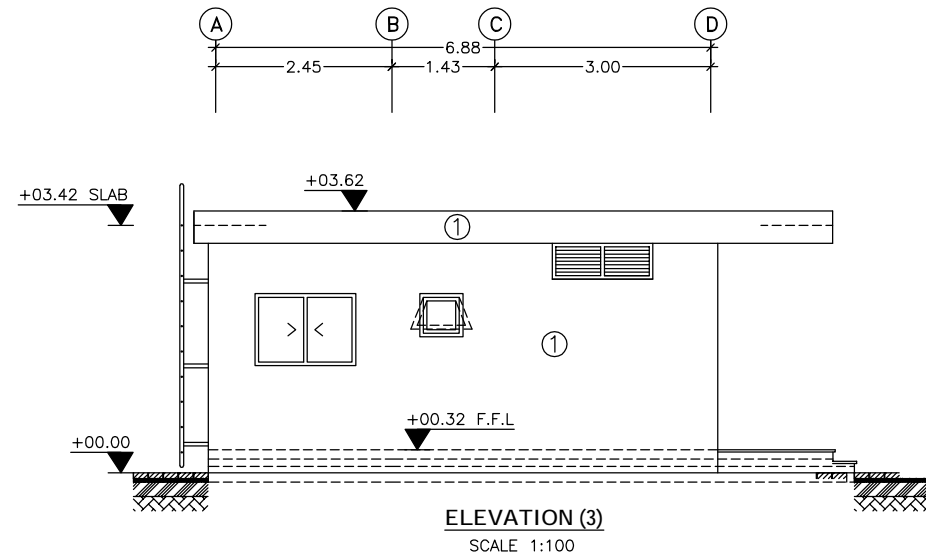
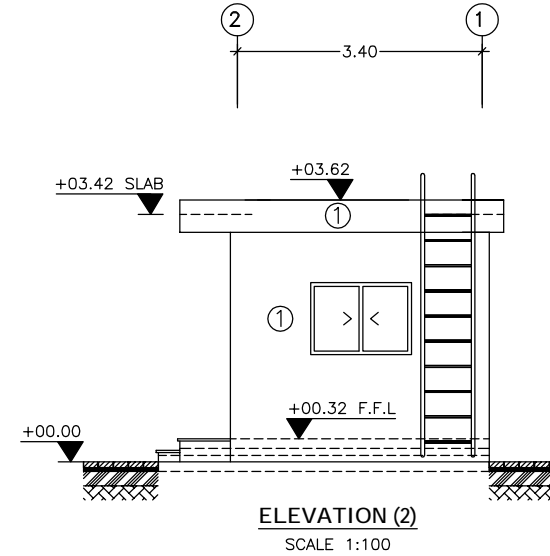
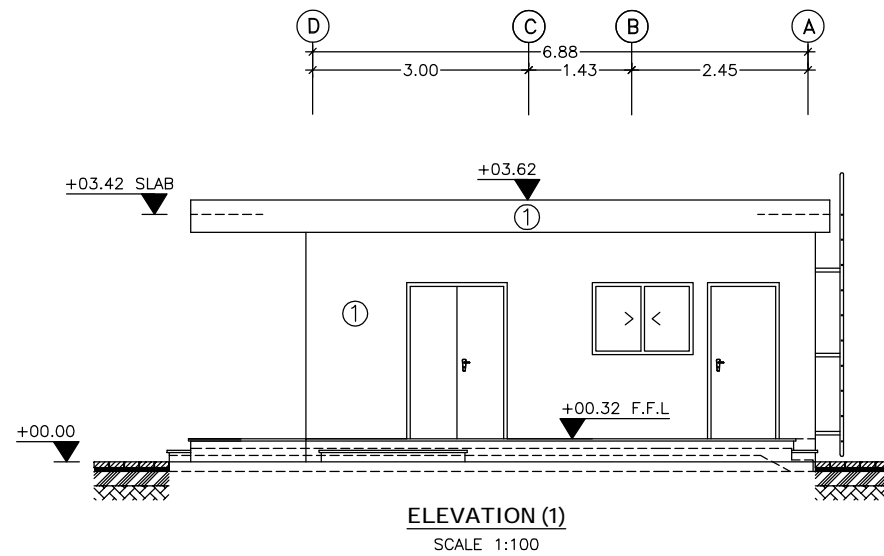
DATE: JULY 2020 SCALE: AS SHOWN

- WF1 = PLASTER & EMULSION PAINT (SUPERCRYLE) FOR WALLS (UP TO CEILING)
- WF2 = CERAMIC WALL TILES 400X200X6mm UP TO THE DOOR LEVEL AND WALL PLASTERING AND EMULSION PAINT (SUPERCRYLE)UP TO THE CEILING.
- WF3 = PLASTER & EMULSION PAINT (SUPERCRYLE) FOR WALLS (FROM TERRAZZO TILE UP TO CIELING)
- FF1 = TERRAZZO FLOOR TILE SIZE 25X25X2.5cm MARBLE CHIPS.
- FF2 = NON SLIPPING CERAMIC FLOOR TILES SIZE 200X200X8mm.
- FF3 = WATERPROOF LAYER ON FOAM CONCRETE
- CF1= PLASTER & EMULSION PAINT (POLYCEED) FOR CEILING
- FS1= TERRAZZO FLOOR SKIRTING TILE SIZE 25X10X1cm
- ① ITALIAN PLASTERING (ECOS)



DOORS TABLE				
TYP	MATERIAL	SIZE	TYPE	NO.
DS1	MULTILOCK	1.0x2.3m	HINGED	1
DS2	STEEL	1.4x2.3m	HINGED	1
DA1	ALUMINUM	0.7x2.1m	HINGED	1

WINDOWS TABLE				
TYP	MATERIAL	SIZE	TYPE	NO.
W1	ALUMINUM	1.4x1m	SLIDING	3
W2	ALUMINUM	0.6x0.6m	TILTED	1
W3	STEEL	1.4x0.5m	LOUVER	1



NOTES :-

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PROJECT TITLE:

REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASI AREA, RAFAH, GAZA STRIP

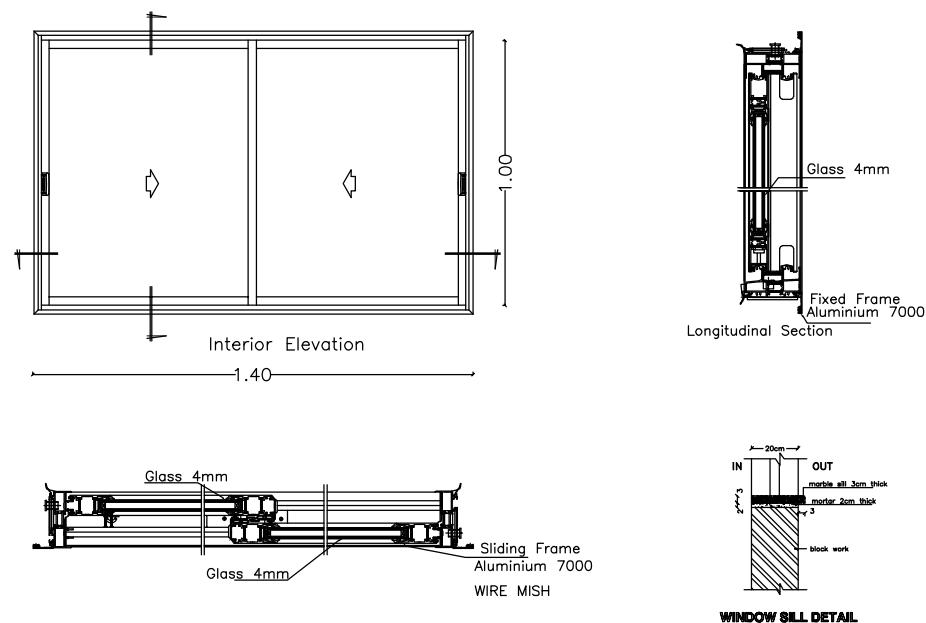
Project Code.: 11473/OVERSEAS

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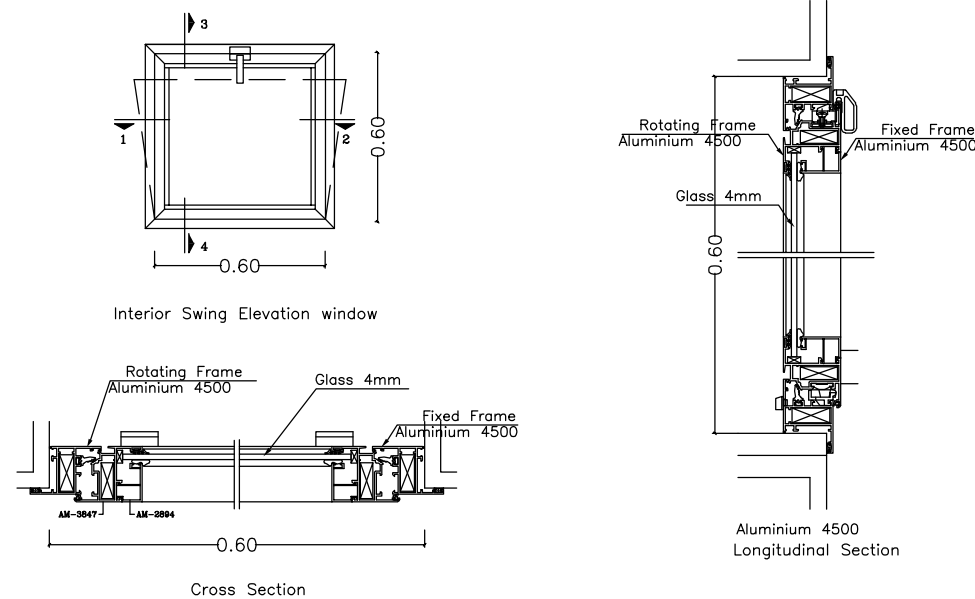
SERVICE BUILDING ELEVATIONS & SECTION

DRAWING NO.: SB-A-02

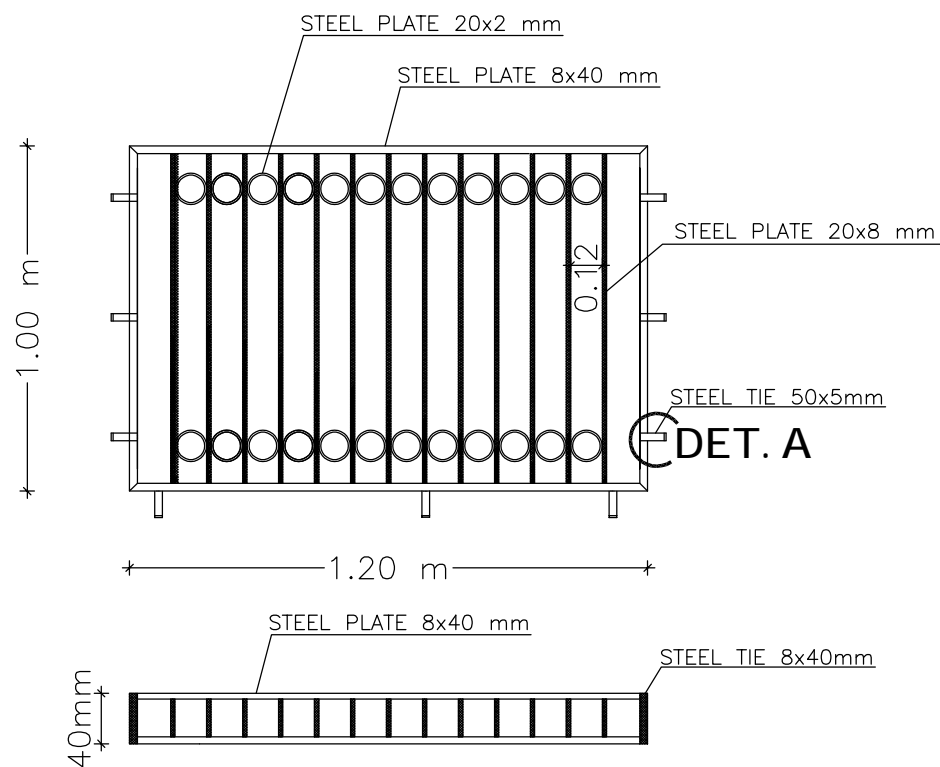
DATE: JULY 2020 SCALE: AS SHOWN



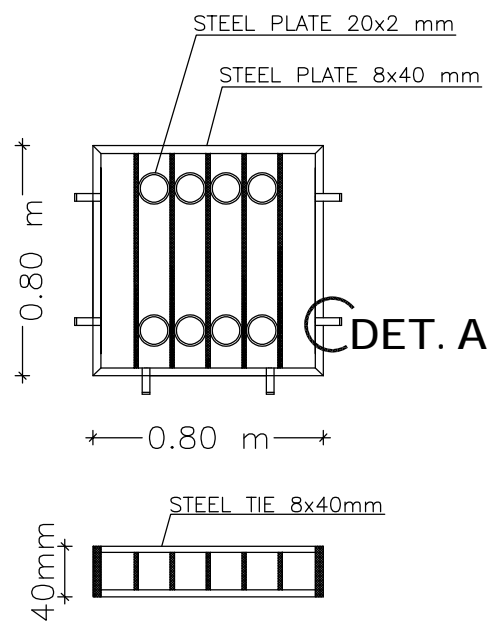
DETAIL OF W1



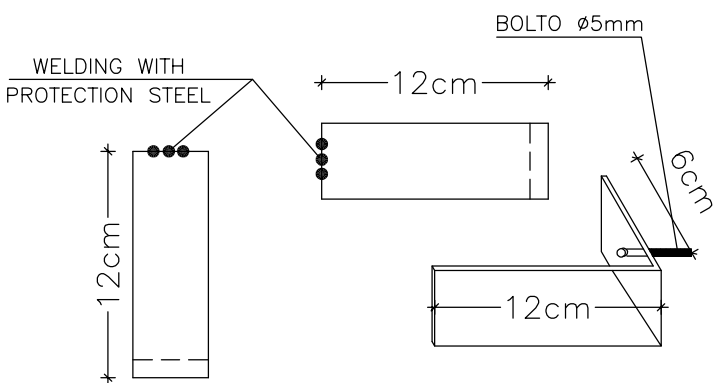
DETAIL OF W2



STEEL PROTECTION FOR W1



STEEL PROTECTION
FOR W2



DETAIL A

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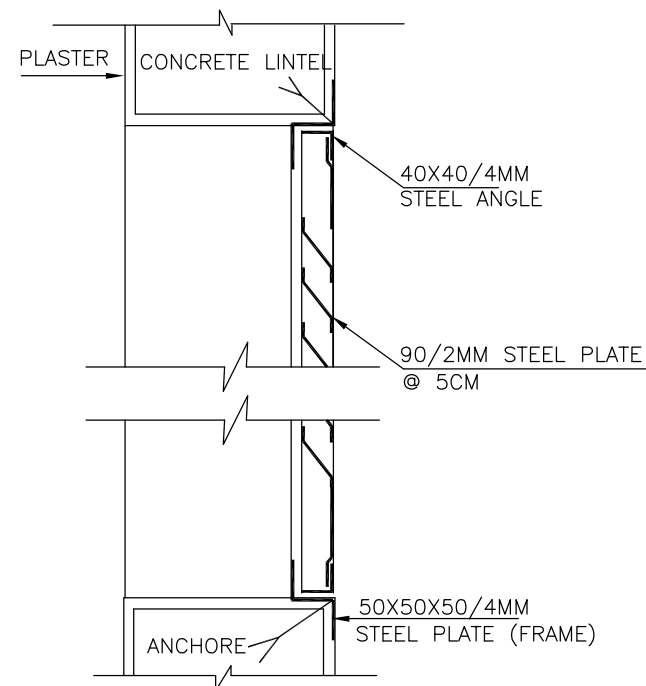
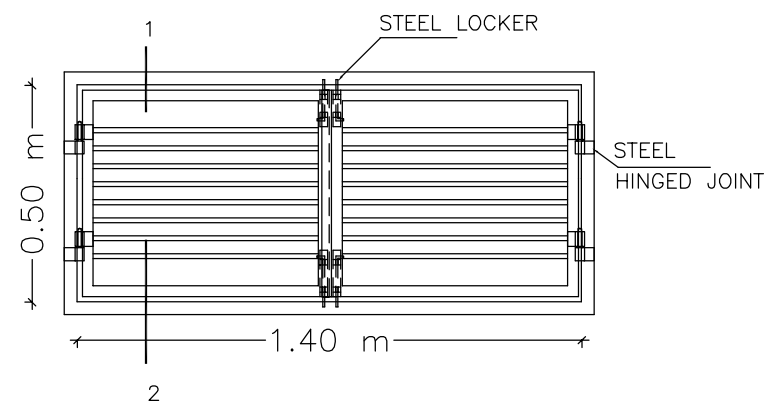
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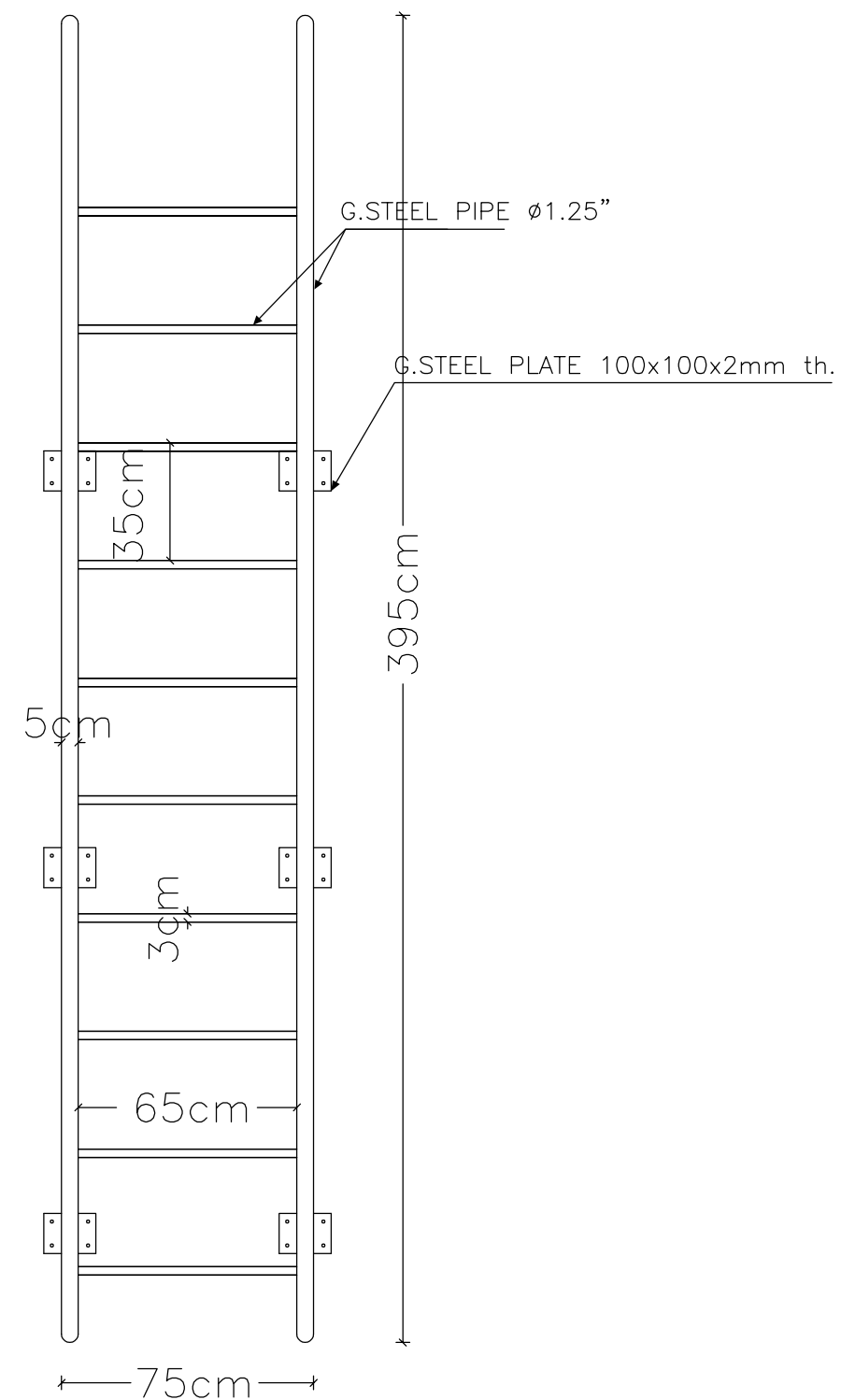
SERVICE BUILDING WINDOWS DETAILS

DRAWING NO.: SB-A-03

DATE: JULY 2020 SCALE: AS SHOWN



DETAILS FOR WINDOW (W3)



STEEL STAIR FOR ROOF

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Project Code.: 11473/OVERSEAS

DRAWING TITLE:

SERVICE BUILDING STEEL DETAILS

DRAWING NO.: SB-A-04

DATE: JULY 2020 SCALE: AS SHOWN

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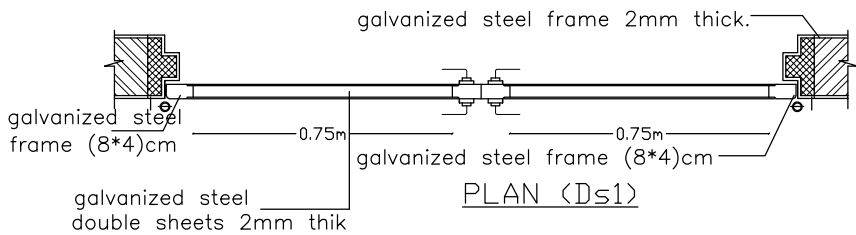
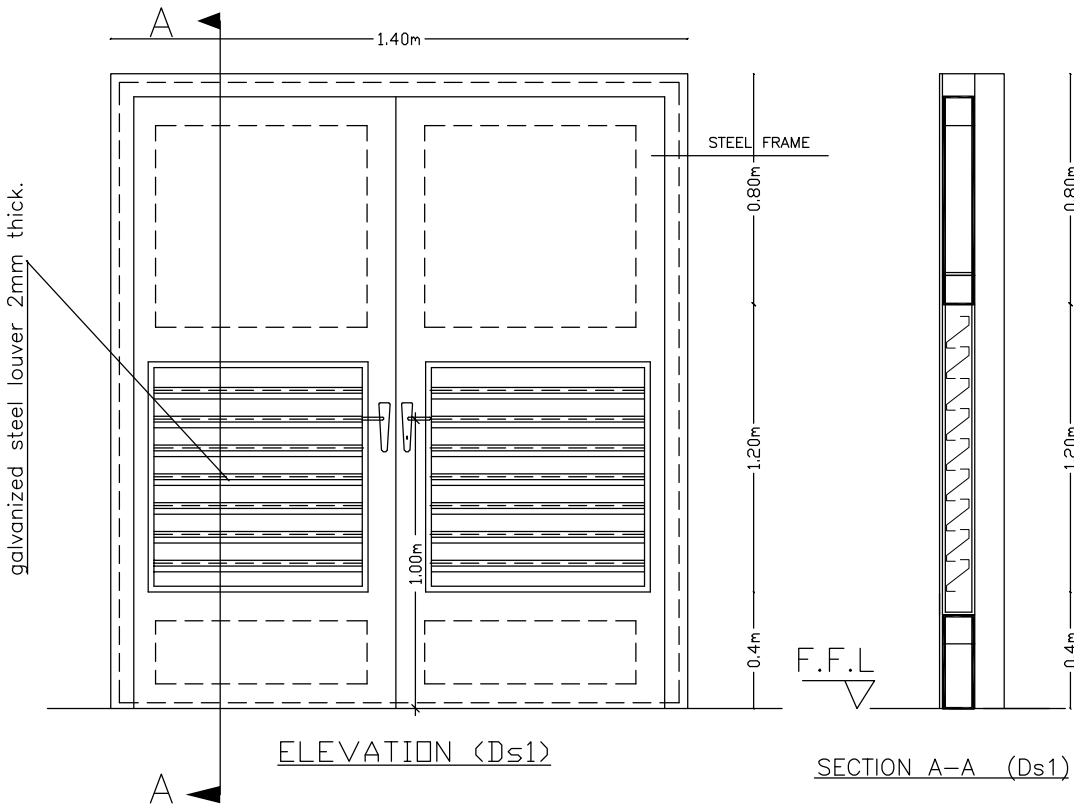
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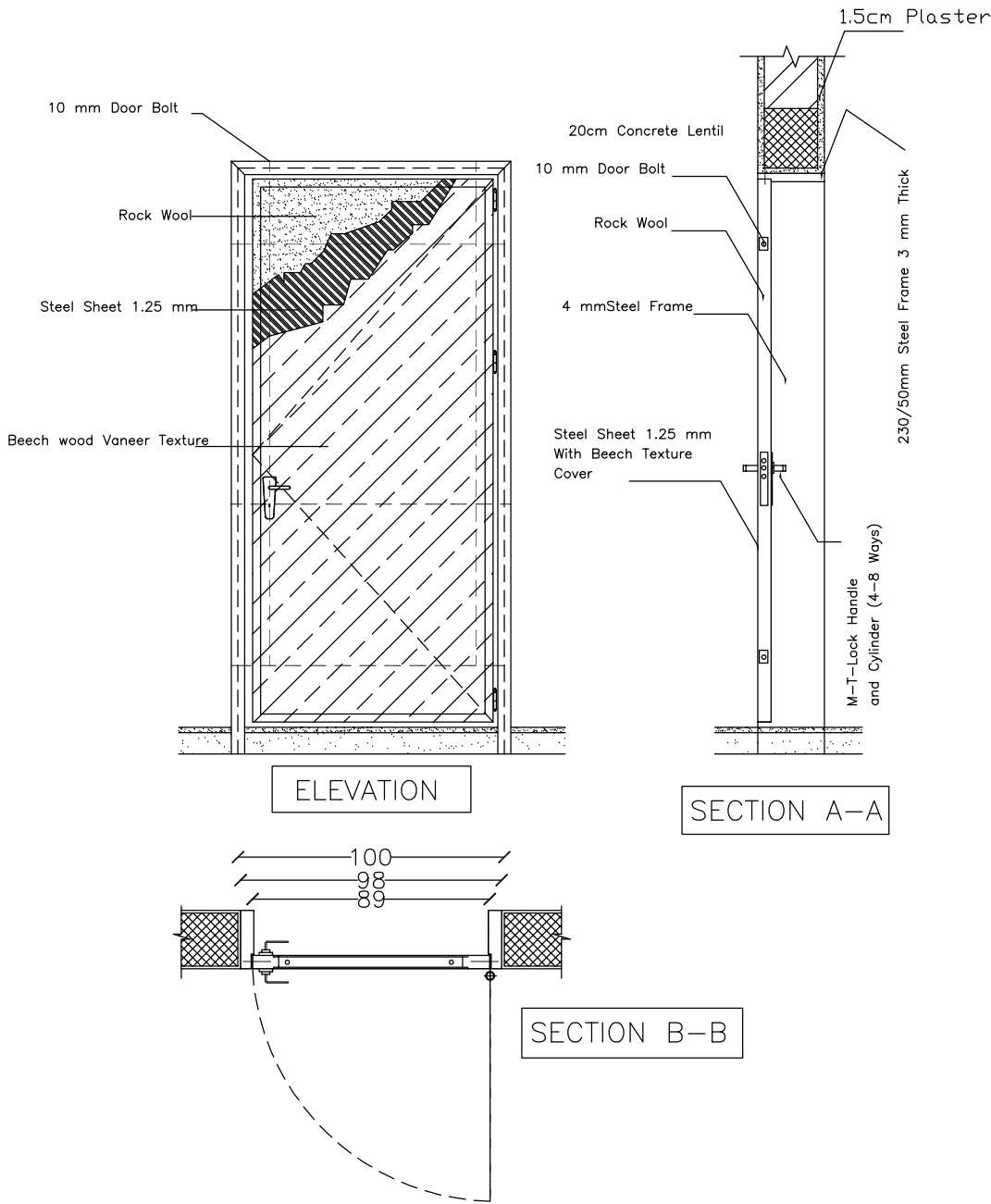
SERVICE BUILDING DOORS DETAILS

DRAWING NO.: SB-A-05

DATE: JULY 2020 SCALE: AS SHOWN



DETAILS FOR DOOR (DS2)



DETAILS FOR DOOR (DS1)

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SERVICE BUILDING STRUCTURAL DRAWINGS

NOTES :-

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IF THERE IS ANY DISCRAPENCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE.

DESIGN CODE ACI - 2014.

THE OUT SIDE OF REINFORCED CONC. STRUCTURE
(UNDER GROUND) SHALL PAINT 2-COATS OF HOT
BITUMEN OR AS SPECIFIED

CONCRETE USED FOR FOUNDATION, COLUMNS, BEAMS & SLABS IN SERVICE BUILDING IS B300 CONCRETE ($f_{cu}=300\text{Kg/cm}^2$).

-CONCRETE USED FOR PLAIN CONCRETE, LINTELS, POST OR LIKE OTHER IS B200 CONCRETE ($f_{cu}=200\text{Kg/cm}^2$).

REINFORCEMENT STEEL USED IS HIGH TENSION STEEL OF YIELD STRENGTH (G420) $f_y=420$ MPA.



MINIMUM LAP FOR STEEL BAR = 60 CM OR
50 x DIAMETER BAR WHICH IS GREATER

-FOR ANY CONCRETE CONTACT WITH SOIL SHALL
BE LAID POLYTHENE SHEET 500 MICRON.

STEEL COVERS :

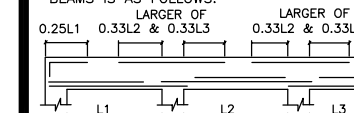
-FOR FOUNDATIONS	
(CAST AGAINST SOIL)	=7.5 CM
(FOR PROTECTED CONCRETE)	=5.0 CM
-FOR COLUMNS	=4.0 CM
-FOR SLABS	=2.5 CM
-FOR BEAMS	=4.0 CM

- STANDARD RADII OF BENDS AND HOOKS AS GIVEN BELOW TO BE USED UNLESS SPECIFICALLY SHOWN OTHERWISE

BENDS  HOOKS 

BAR SIZE	GRADE 250 (TYPE AND GRADE R)	GRADE 420 (TYPE AND GRADE R)
d	r	r
8	16	24
10	20	30
12	24	36
14	28	42
16	32	48
18	36	54
20	40	60

BAR CUT OFF POINTS FOR TYPICAL BEAMS IS AS FOLLOWS:



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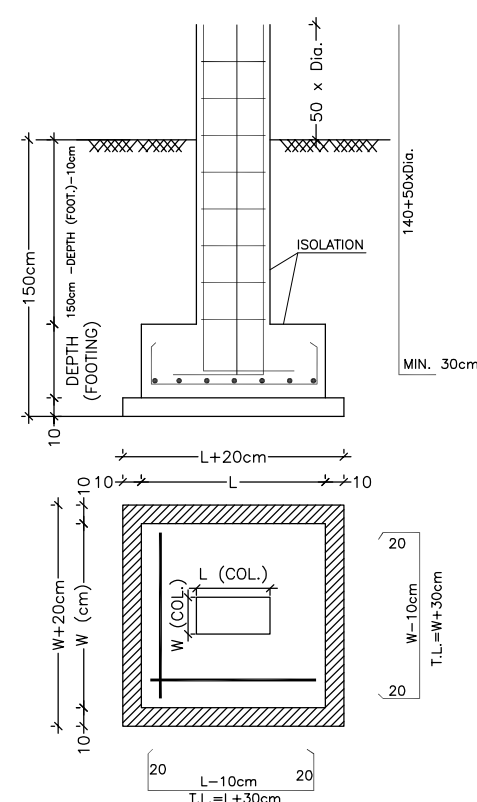
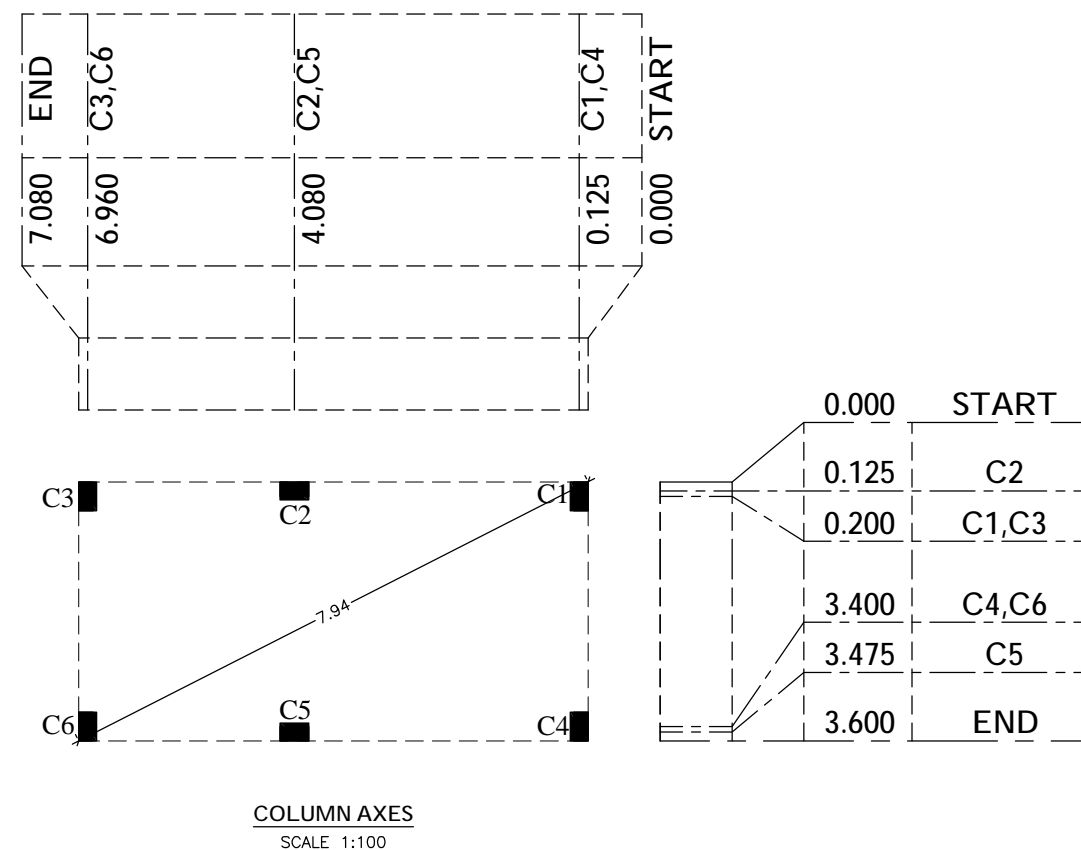
Project Code.: 11473/OVERSEAS

DRAWING TITLE:

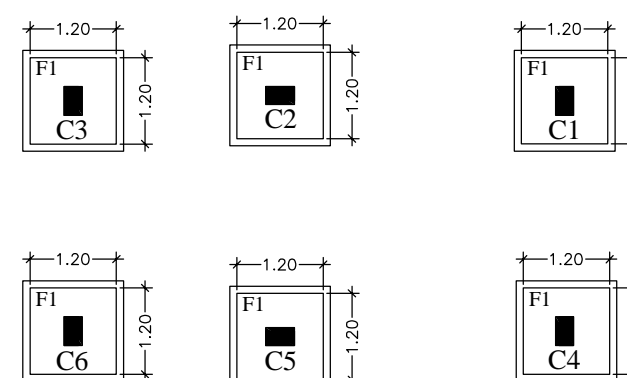
SERVICE BUILDING COLUMN AXES & FOUND DETAILS

DRAWING NO.: SB-S-01

DATE: JULY 2020	SCALE: AS SHOWN
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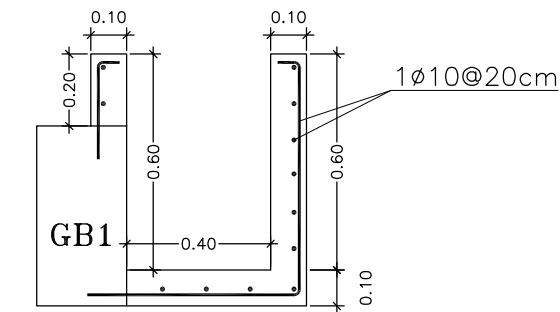
TYPICAL DETAILS FOR ISOLATED FOOTING



FOOTINGS LAYOUT
SCALE 1:100

Table of Footings (ISOLATED)

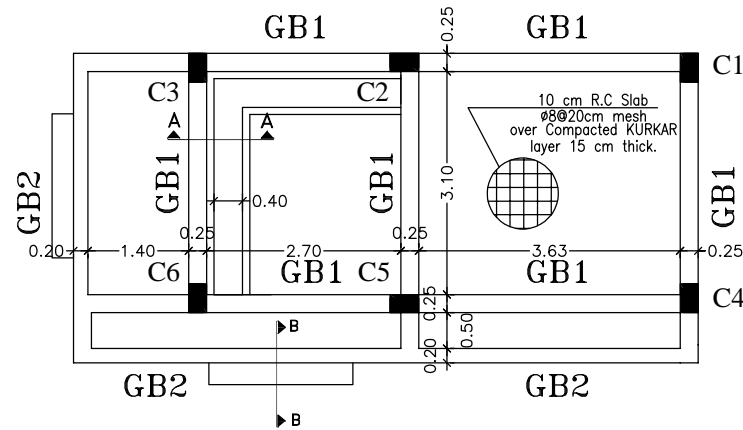
Footings		Total	Footings size			Reinforcement		
FOOT. NO.	COL. NO.		L(cm)	W(cm)	h(cm)	LONG DIR.	SHORT DIR.	Shape
F1	ALL COLUMNS	6	120	120	30	6Ø12	6Ø12	20{ L OR W -10cm }20



ELECTRICAL TRENCH IN ELEC. ROOM

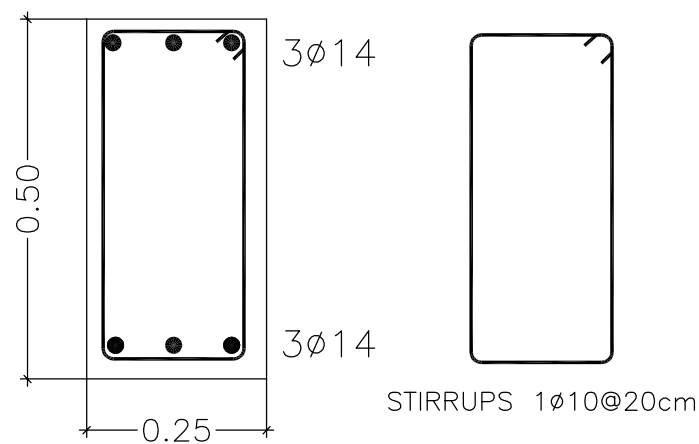
SECTION A-A

SCALE 1:20



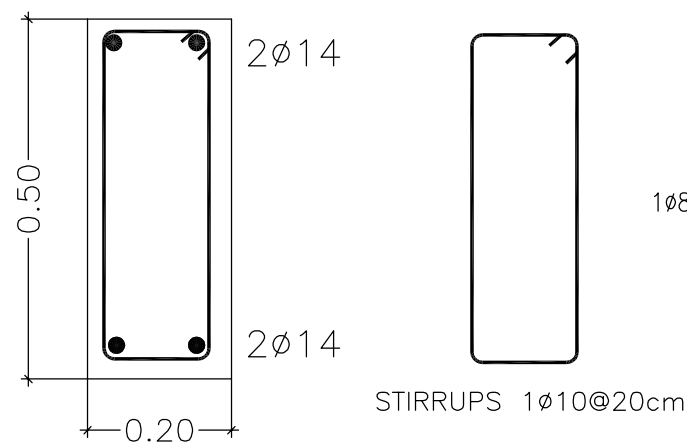
GROUND BEAMS LAYOUT

SCALE 1:100



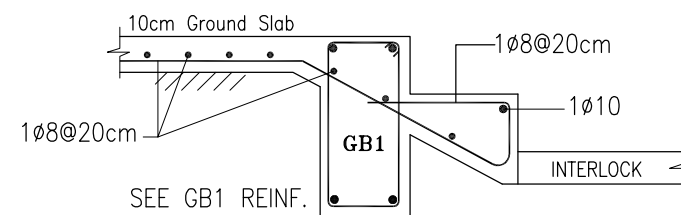
GROUND BEAM DETAILS (GB1)

SCALE: 1:10



GROUND BEAM DETAILS (GB2)

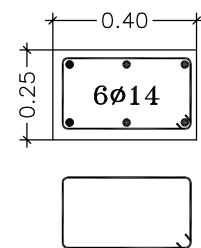
SCALE: 1:10



EXTERNAL STAIR DETAILS

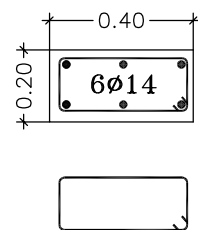
SECTION A-A

SCALE: 1:20



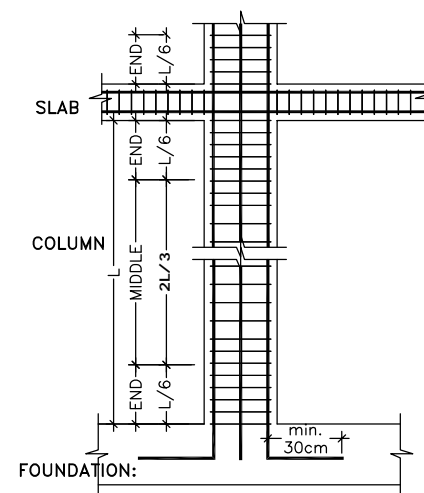
NECK COLUMN DETAILS

SCALE: 1:20



COLUMN DETAILS

SCALE: 1:20

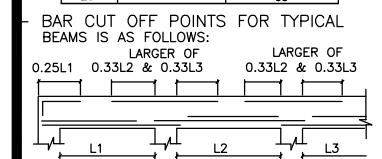


TYPICAL DETAILS FOR
COLUMN STIRRUP SPACING

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- IF THERE IS ANY DISCRAPENCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE.
- DESIGN CODE ACI - 2014.
- THE OUT SIDE OF REINFORCED CONC. STRUCTURE (UNDER GROUND) SHALL PAINT 2-COATS OF HOT BITUMEN OR AS SPECIFIED
- COCRETE USED FOR FOUNDATINO, COLUMNS, BEAMS & SLABS IN SERVICE BUILDING IS B300 CONCRETE ($f_{cu}=300\text{Kg/cm}^2$).
- COCRETE USED FOR PLAIN CONCRETE, LINTELS, POST OR LIKE OTHER IS B200 CONCRETE ($f_{cu}=200\text{Kg/cm}^2$).
- REINFORCEMENT STEEL USED IS HIGH TENSION STEEL OF YIELD STRENGTH (G420) $f_y=420$ MPA.
- MINIMUM LAP FOR STEEL BAR = 60 CM OR 50 x DIAMETER BAR WHICH IS GREATER
- FOR ANY CONCRETE CONTACT WITH SOIL SHALL BE LAID POLYTHENE SHEET 500 MICRON.
- STEEL COVERS :
 - FOR FOUNDATIONS (CAST AGAINST SOIL) =7.5 CM
 - (FOR PROTECTED CONCRETE) =5.0 CM
 - FOR COLUMNS =4.0 CM
 - FOR SLABS =2.5 CM
 - FOR BEAMS =4.0 CM

STANDARD RADII OF BENDS AND HOOKS AS GIVEN BELOW TO BE USED UNLESS SPECIFICALLY SHOWN OTHERWISE		HOOKS	
BAR SIZE	GRADE 250 (TYPE AND GRADE R)	GRADE 420 (TYPE AND GRADE T)	BENDS
d	r	r	
8	16	24	
10	20	30	
12	24	36	
14	28	42	
16	32	48	
18	36	54	
20	40	60	



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Project Code.: 11473/OVERSEAS

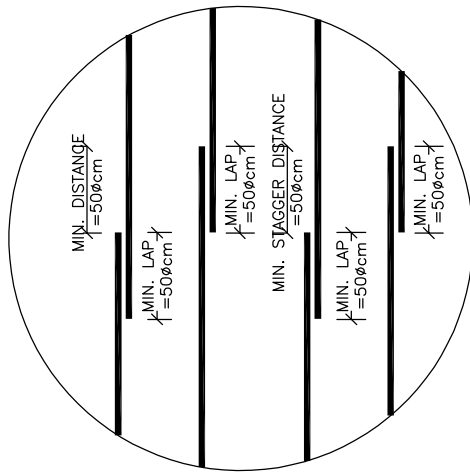
DRAWING TITLE:

SERVICE BUILDING GROUND BEAMS & COL. DETAILS

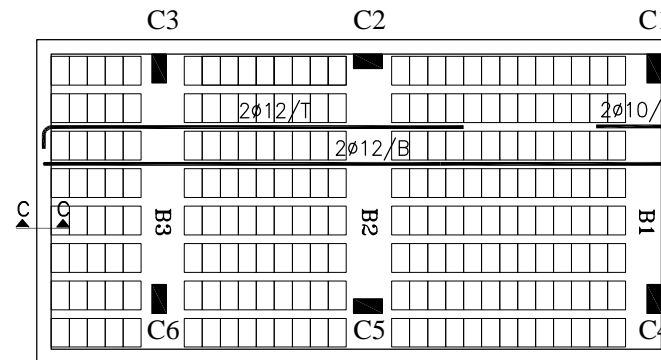
DRAWING NO.: SB-S-02

DATE: JULY 2020

SCALE: AS SHOWN

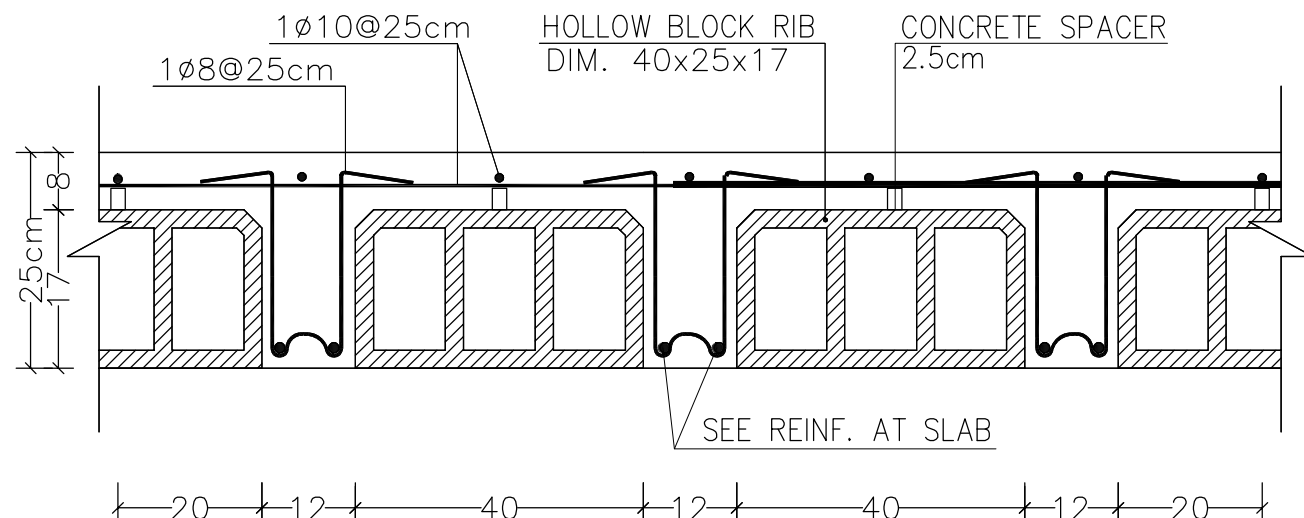


STAGGERING REINFORCEMENT DETAILS



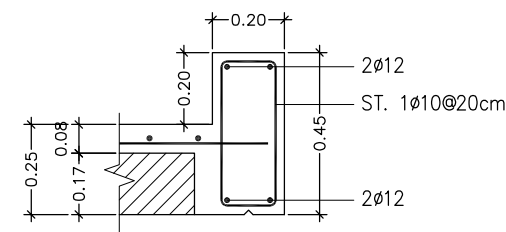
SLAB REINFORCEMENT DETAILS

SCALE 1:100



SECTION DETAIL FOR RIBS

SCALE 1:10



SEC. C-C

SCALE 1:20

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- COCRETE USED FOR PLAIN CONCRETE, LINTELS, POST OR LIKE OTHER IS B200 CONCRETE (fcu=200Kg/cm2).
- REINFORCEMENT STEEL USED IS HIGH TENSION STEEL OF YIELD STRENGTH (G420) fy=420 MPA.
- MINIMUM LAP FOR STEEL BAR = 60 CM OR 50 x DIAMETER BAR WHICH IS GREATER
- FOR ANY CONCRETE CONTACT WITH SOIL SHALL BE LAID POLYTHENE SHEET 500 MICRON.

- STEEL COVERS :
- FOR FOUNDATIONS (CAST AGAINST SOIL) =7.5 CM
 - (FOR PROTECTED CONCRETE) =5.0 CM
 - FOR COLUMNS =4.0 CM
 - FOR SLABS =2.5 CM
 - FOR BEAMS =4.0 CM

STANDARD RADII OF BENDS AND HOOKS AS GIVEN BELOW TO BE USED UNLESS SPECIFICALLY SHOWN OTHERWISE		
BAR SIZE	GRADE 250 (TYPE AND GRADE R)	GRADE 420 (TYPE AND GRADE T)
d	r	r
8	16	24
10	20	30
12	24	36
14	28	42
16	32	48
18	36	54
20	40	60

- BAR CUT OFF POINTS FOR TYPICAL BEAMS IS AS FOLLOWS:



FOR TENDER ONLY

FUNDED BY:



IMPLEMENTED BY:



CONSULTANT



PROJECT TITLE:

REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASI AREA, RAFAH, GAZA STRP

Project Code.: 11473/OVERSEAS

DRAWING TITLE:

SERVICE BUILDING GROUND SLAB DETAILS

DRAWING NO.: SB-S-03

DATE: JULY 2020

SCALE: AS SHOWN

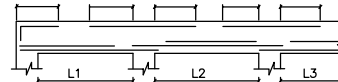
NOTES :-

- ALL DIMENSIONS ARE IN CM & M. EXCEPT WHERE OTHERWISE SHOWN OR NOTED.
-CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL WORKS, STEEL PARTS & CONNECTIONS FOR ENGINEERS APPROVAL.
-IF THERE IS ANY DISCRAPENCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE.
-DESIGN CODE ACI – 2014.
-THE OUT SIDE OF REINFORCED CONC. STRUCTURE (UNDER GROUND) SHALL PAINT 2-COATS OF HOT BITUMEN OR AS SPECIFIED
-COCRETE USED FOR FOUNDATINO, COLUMNS, BEAMS & SLABS IN SERVICE BUILDING IS B300 CONCRETE (fcu=300Kg/cm2).
-COCRETE USED FOR PLAIN CONCRETE, LINTELS, POST OR LIKE OTHER IS B200 CONCRETE (fcu=200Kg/cm2).
-REINFORCEMENT STEEL USED IS HIGH TENSION STEEL OF YIELD STRENGTH (G420) fy=420 MPA.
-MINIMUM LAP FOR STEEL BAR = 60 CM OR 50 x DIAMETER BAR WHICH IS GREATER
-FOR ANY CONCRETE CONTACT WITH SOIL SHALL BE LAID POLYTHENE SHEET 500 MICRON.
-STEEL COVERS :
-FOR FOUNDATIONS (CAST AGAINST SOIL) =7.5 CM
(FOR PROTECTED CONCRETE) =5.0 CM
-FOR COLUMNS =4.0 CM
-FOR SLABS =2.5 CM
-FOR BEAMS =4.0 CM

- STANDARD RADII OF BENDS AND HOOKS AS GIVEN BELOW TO BE USED UNLESS SPECIFICALLY SHOWN OTHERWISE

BAR SIZE	GRADE 250 (TYPE AND GRADE R)	GRADE 420 (TYPE AND GRADE T)
d	r	r
8	16	24
10	20	30
12	24	36
14	28	42
16	32	48
18	36	54
20	40	60

- BAR CUT OFF POINTS FOR TYPICAL BEAMS IS AS FOLLOWS:



FOR TENDER ONLY

FUNDED BY:



IMPLEMENTED BY:



CONSULTANT



PROJECT TITLE:

REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASI AREA, RAFAH, GAZA STRP

Project Code.: 11473/OVERSEAS

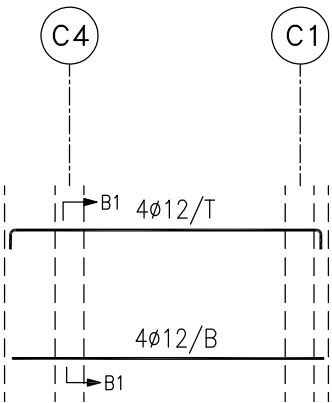
DRAWING TITLE:

SERVICE BUILDING BEAMS DETAILS

DRAWING NO.: SB-S-04

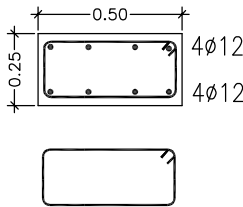
DATE: JULY 2020

SCALE: AS SHOWN

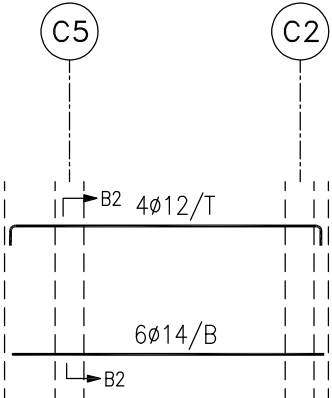


REINF. FOR BEAM NO. (B1)
SCALE: 1:100

SECTION: B1
SCALE: 1:25

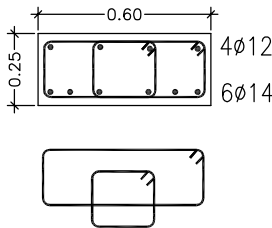


ST. 1ø10@10cm-ENDS
ST. 1ø10@20cm-MIDDLE

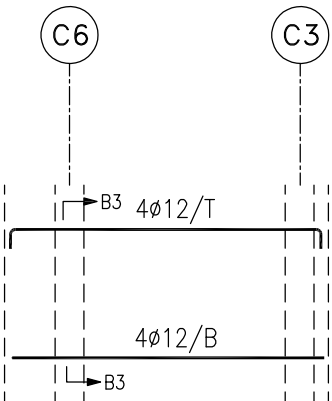


REINF. FOR BEAM NO. (B2)
SCALE: 1:100

SECTION: B2
SCALE: 1:25

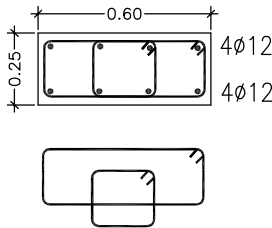


ST. 2ø10@10cm-ENDS
ST. 2ø10@20cm-MIDDLE



REINF. FOR BEAM NO. (B3)
SCALE: 1:100

SECTION: B3
SCALE: 1:25



ST. 2ø10@10cm-ENDS
ST. 2ø10@20cm-MIDDLE

NOTES :-

- ALL DIMENSIONS ARE IN CM & M. EXCEPT WHERE OTHERWISE SHOWN OR NOTED.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL WORKS, STEEL PARTS & CONNECTIONS FOR ENGINEERS APPROVAL.
- IF THERE IS ANY DISCRAPENCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE.
- DESIGN CODE ACI - 2014.
- THE OUT SIDE OF REINFORCED CONC. STRUCTURE (UNDER GROUND) SHALL PAINT 2-COATS OF HOT BITUMEN OR AS SPECIFIED
- COCRETE USED FOR FOUNDATINO, COLUMNS, BEAMS & SLABS IN SERVICE BUILDING IS B300 CONCRETE ($f_{cu}=300\text{Kg/cm}^2$).
- COCRETE USED FOR PLAIN CONCRETE, LINTELS, POST OR LIKE OTHER IS B200 CONCRETE ($f_{cu}=200\text{Kg/cm}^2$).
- REINFORCEMENT STEEL USED IS HIGH TENSION STEEL OF YIELD STRENGTH (G420) $f_y=420$ MPA.
- MINIMUM LAP FOR STEEL BAR = 60 CM OR 50 x DIAMETER BAR WHICH IS GREATER
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 - FOR FOUNDATIONS (CAST AGAINST SOIL) =7.5 CM
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 - FOR COLUMNS =4.0 CM
 - FOR SLABS =2.5 CM
 - FOR BEAMS =4.0 CM

STANDARD RADI OF BENDS AND HOOKS AS GIVEN BELOW TO BE USED UNLESS SPECIFICALLY SHOWN OTHERWISE		GRADE 250 (TYPE AND GRADE R)		GRADE 420 (TYPE AND GRADE T)	
BAR SIZE		r		r	
8		16		24	
10		20		30	
12		24		36	
14		28		42	
16		32		48	
18		36		54	
20		40		60	

- BAR CUT OFF POINTS FOR TYPICAL BEAMS IS AS FOLLOWS:
 - LARGER OF 0.25L1
 - 0.33L2 & 0.33L3
 - LARGER OF 0.33L2 & 0.33L3

FOR TENDER ONLY

FUNDED BY:



IMPLEMENTED BY:



CONSULTANT



PROJECT TITLE:

REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASHI AREA, RAFAH, GAZA STRIP

Project Code.: 11473/OVERSEAS

DRAWING TITLE:

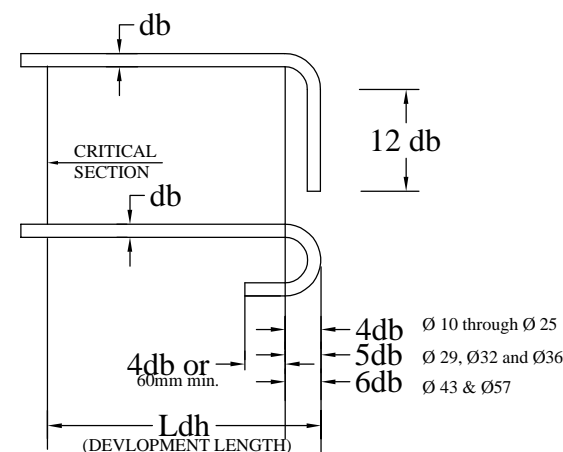
SERVICE BUILDING STRUC. DETAILS

DRAWING NO.: SB-S-05

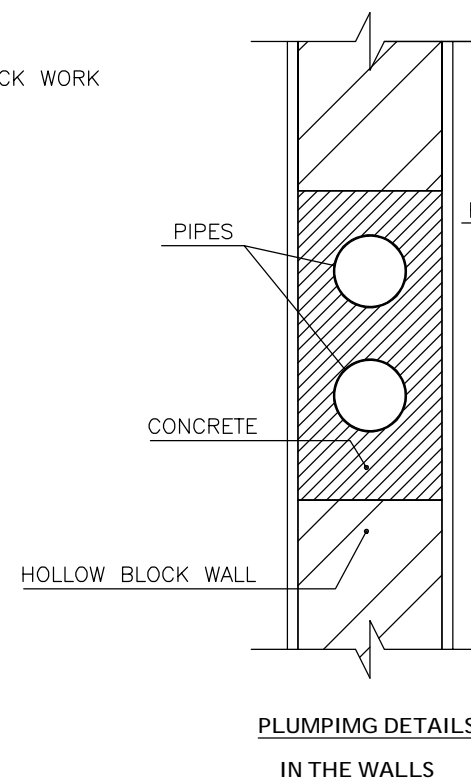
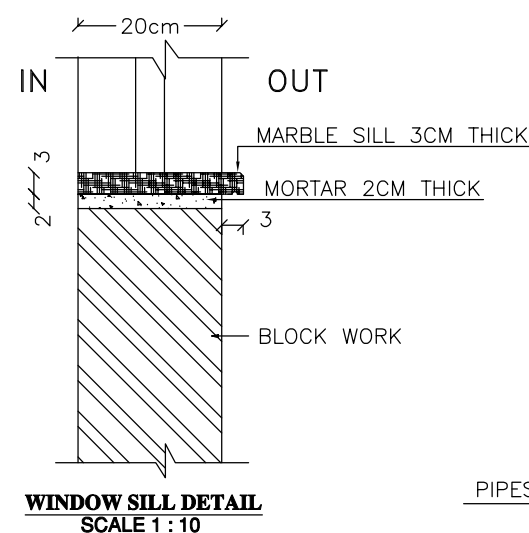
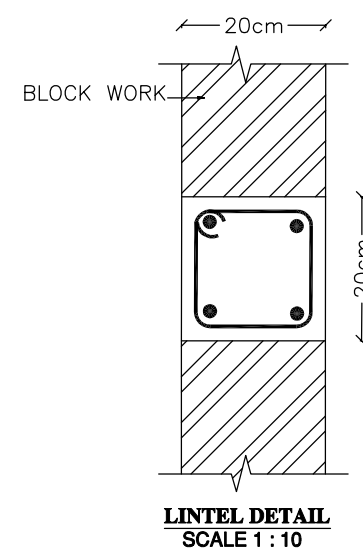
DATE: JULY 2020 SCALE: AS SHOWN

LINTELS DETAILS.

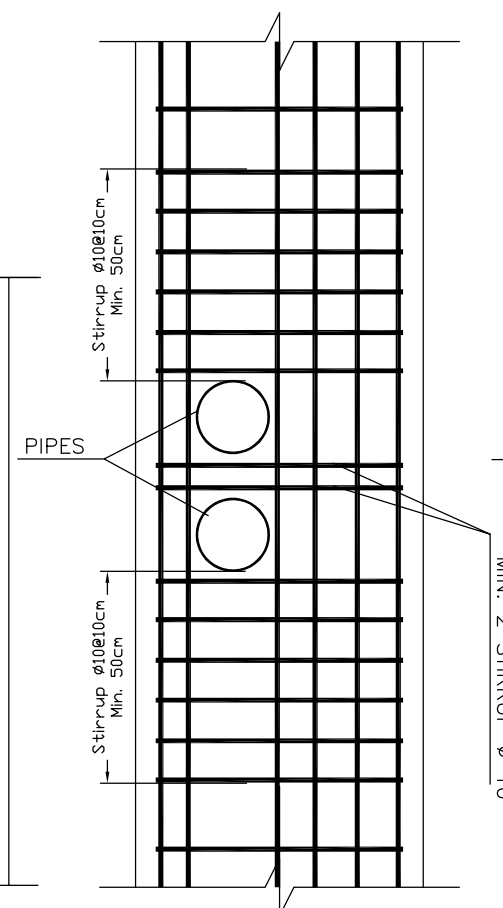
SCHEDULE OF LINTELS REINFORCEMENT								
LINTEL WIDTH =b	b=10cm.		b=15cm.		b=20cm./30cm.		DEPTH=d	STIRRUPS
	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.		
< 200	1T12	1T14	2T12	2T12	2T12	2T14	20	1Ø8@200mm
200-300	1T12	1T14	2T12	2T14	2T12	2T16	25	1Ø8@200mm
301-400	1T12	1T16	2T12	2T14	2T12	2T16	30	1Ø8@200mm
401-500	1T12	1T16	2T14	2T16	2T14	2T20	35	1Ø8@200mm
501-600	1T14	1T20	2T14	2T16	2T14	2T20	40	1Ø8@200mm
601-700	1T14	1T20	2T14	2T20	2T14	2T20	50	1Ø8@200mm
701-800	1T14	1T20	2T16	2T20	2T16	3T20	55	1Ø8@200mm



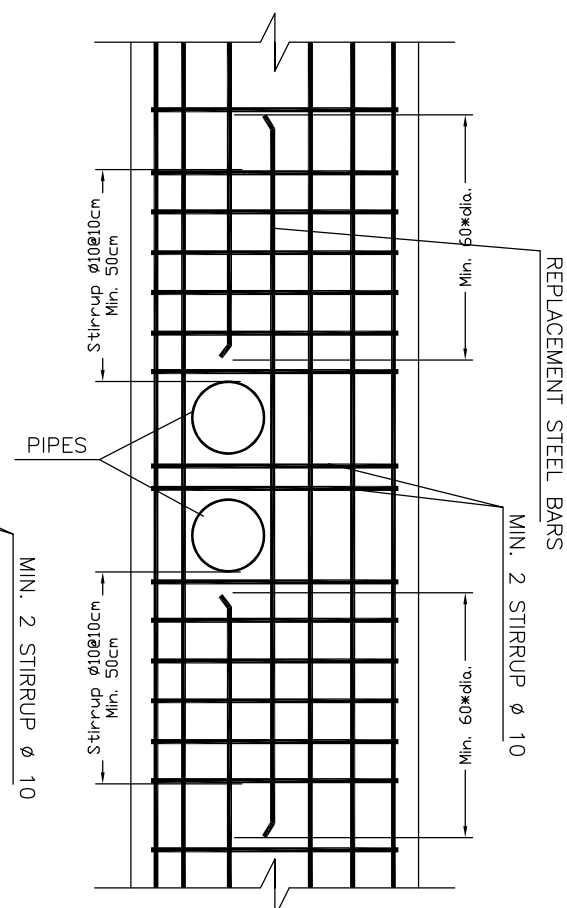
TYPICAL STAGGERING REINFORCEMENT DETAILS
(TO BE USED UNLESS SHOWN OTHERWISE ON THE DRAWINGS)



PLUMPING DETAILS
IN THE WALLS



GENERAL DETAIL (1)



GENERAL DETAIL (2)

FUNDED BY



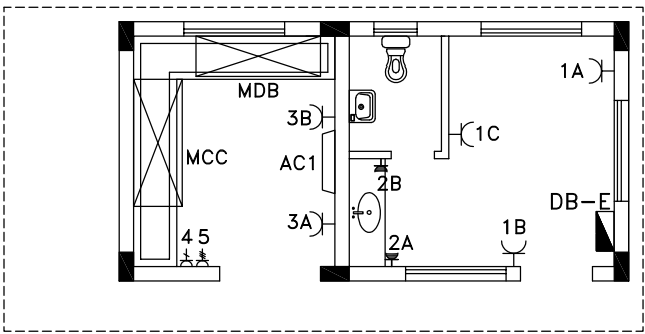
IMPLEMENTED BY



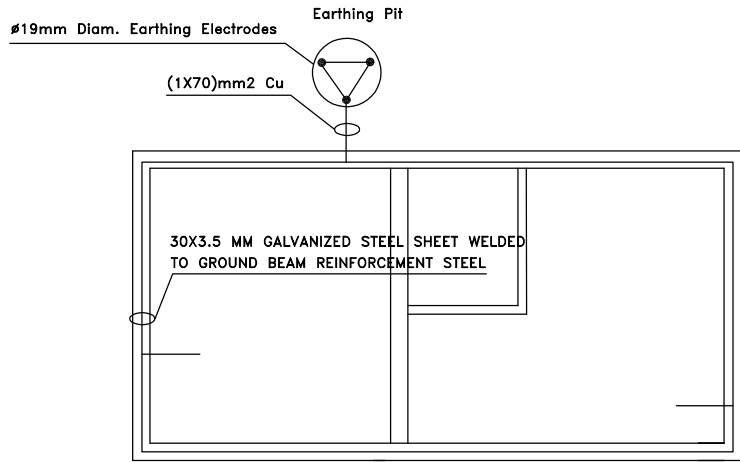
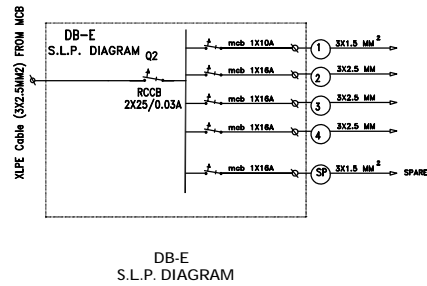
CONSULTANT



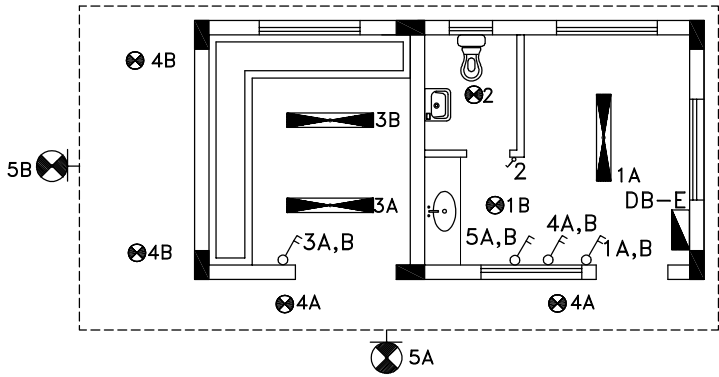
SERVICE BUILDING ELECTRICAL DRAWINGS



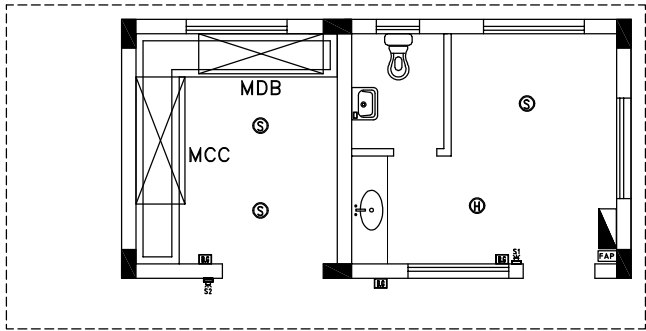
Power Distribution
SCALE 1:100



Earthing System
SCALE 1:100



Lighting Distribution
SCALE 1:100



Fire Alarm Protection System
SCALE 1:100

NOTES :-

- 120 cm LED Light
- LED Circular lighting
- Water Proof LED Circular lighting
- Single way single pole lighting switch
- Single way double pole lighting switch
- External LED Light
- Single phase socket
- Single phase socket W/Proof
- Three phase socket shelter type
- Single phase socket shelter type
- SMOKE DETECTOR
- HEAT DETECTOR
- SIREN
- BREAK GLASS
- FIRE ALARM CONTROL PANEL

FOR TENDER ONLY

FUNDED BY:

ITALIAN AGENCY FOR DEVELOPMENT COOPERATION

IMPLEMENTED BY:

OVERSEAS

UNIVERSITA' DI BOLOGNA

UAWC

CONSULTANT

مركز الهندسة والتخطيط

center for engineering and planning

PROJECT TITLE:

REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASI AREA, RAFAH, GAZA STRIP

Project Code.: 11473/OVERSEAS

DRAWING TITLE:

SERVICE BUILDING ELECTRICAL SYSTEMS

DRAWING NO.: SB-E-01

DATE: JULY 2020

SCALE:

FUNDED BY



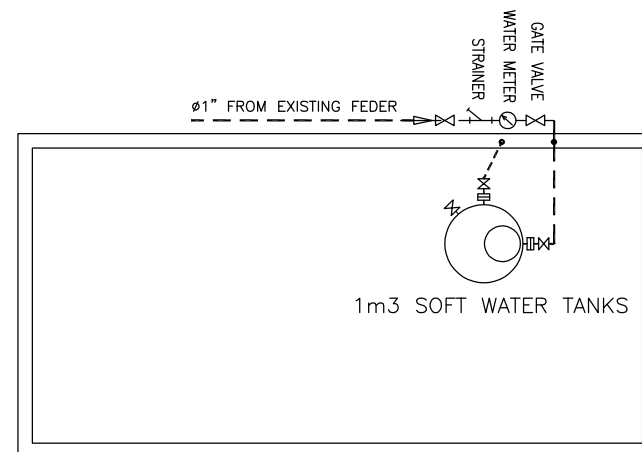
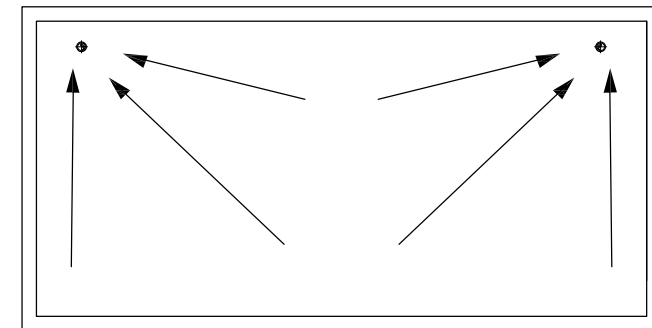
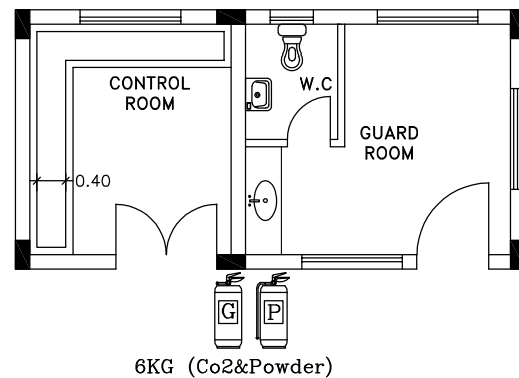
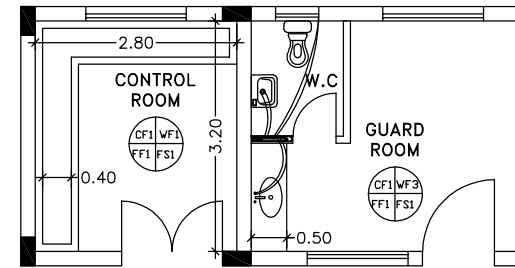
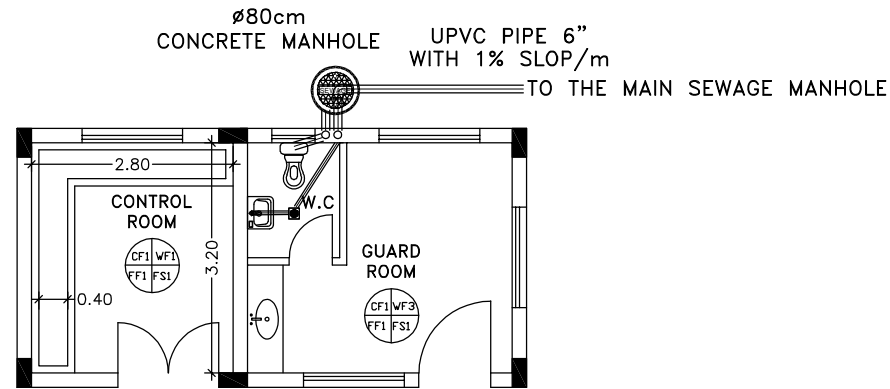
IMPLEMENTED BY



CONSULTANT



SERVICE BUILDING MECHANICAL DRAWINGS



NOTES :-

- HDPE 32mm Cold Water FROM EXISTING FEDER IN LINE SITE To Water Tank
- HDPE 25mm Cold Water From Water Tank to WDB

FOR TENDER ONLY

FUNDED BY:



IMPLEMENTED BY:



CONSULTANT



PROJECT TITLE:

REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASI AREA, RAFAH, GAZA STRIP

Project Code.: 11473/OVERSEAS

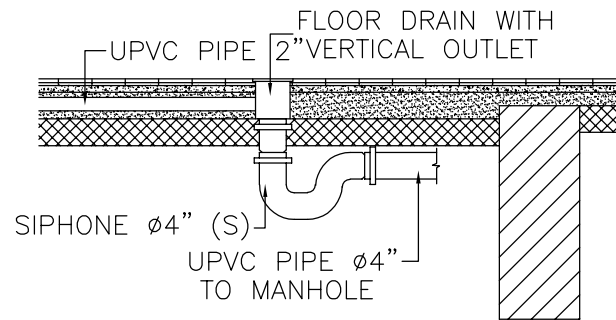
DRAWING TITLE:

SANITARY SYSTEMS

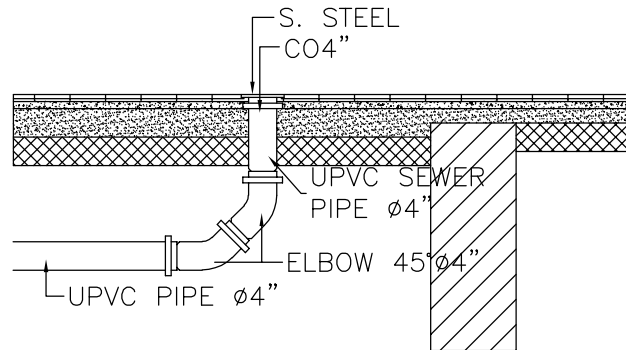
DRAWING NO.: SB-M-01

DATE: JULY 2020

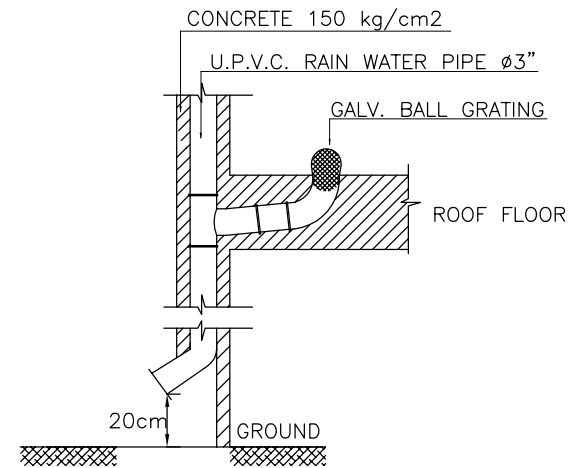
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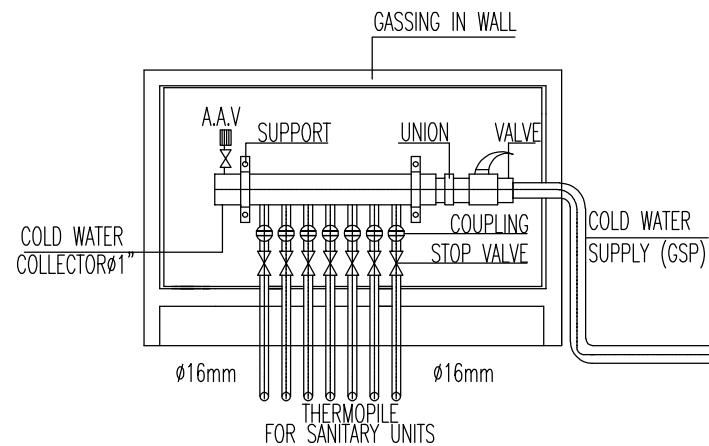
TYPICAL DETAIL OF FLOOR DRAIN INSTALLATION
NOT TO SCALE



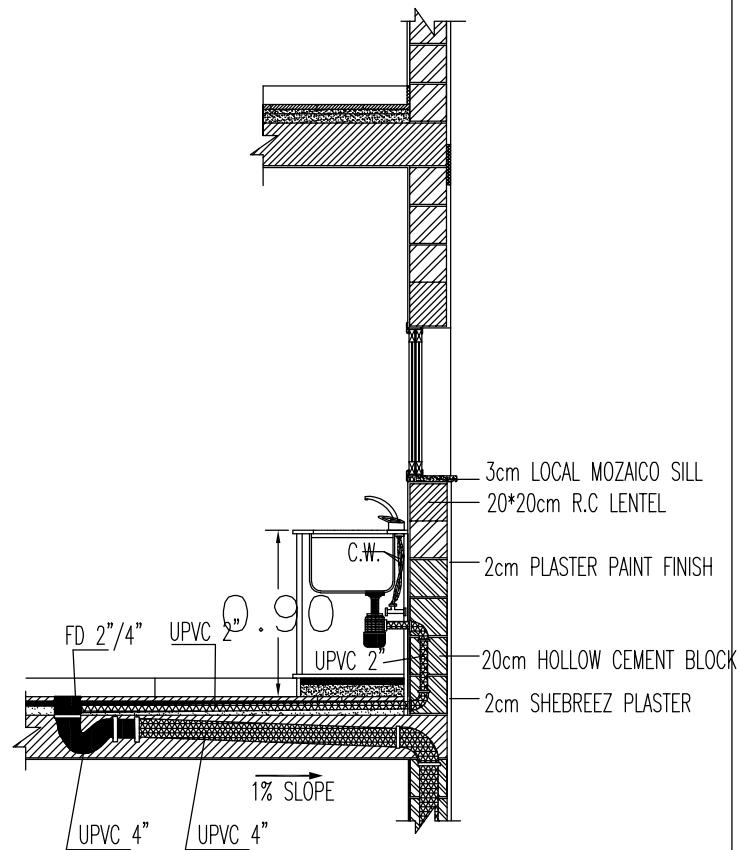
TYPICAL DETAIL OF CLEAN OUT
NOT TO SCALE



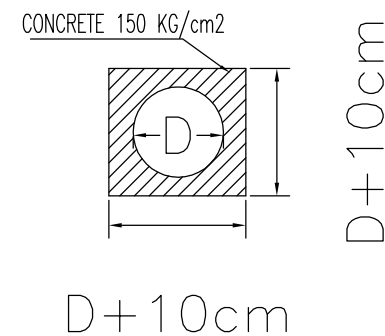
TYPICAL DETAIL OF RAIN WATER TRAP (DETAIL 1)
NOT TO SCALE



TYPICAL DETAIL OF WATER DISTRIBUTION CABINET (WDC)
NOT TO SCALE



TYPICAL DETAIL OF SINK INSTALLATION
NOT TO SCALE



TYPICAL DETAIL OF ENCASEMENT FOR PIPE LINES

NOTES :-

FOR TENDER ONLY

FUNDED BY:



IMPLEMENTED BY:



CONSULTANT



PROJECT TITLE:

REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASI AREA, RAFAH, GAZA STRIP

Project Code.: 11473/OVERSEAS

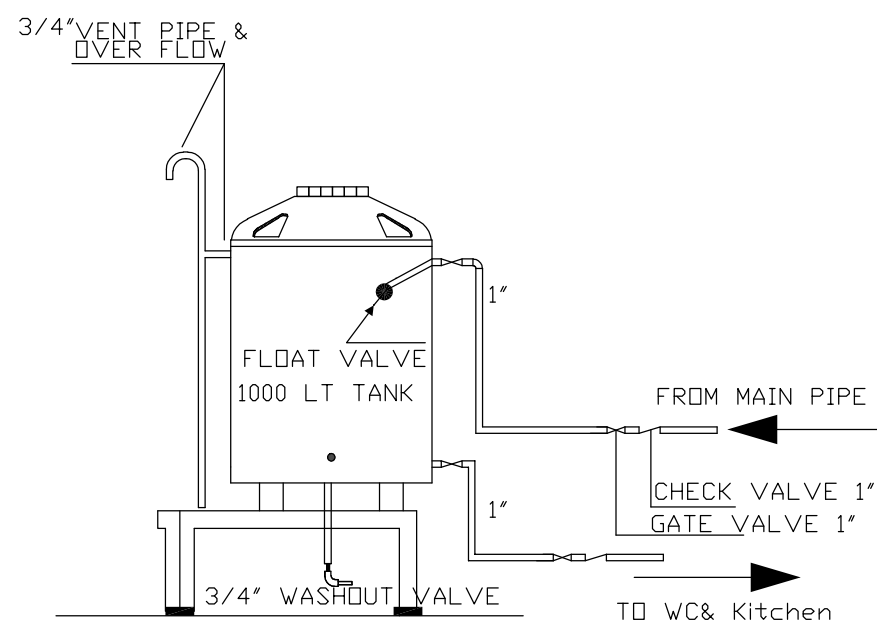
DRAWING TITLE:

PLUMING DETAILS (1/2)

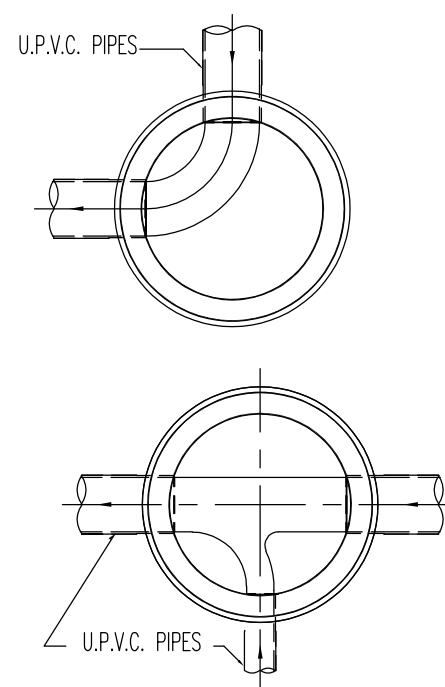
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DATE: JULY 2020

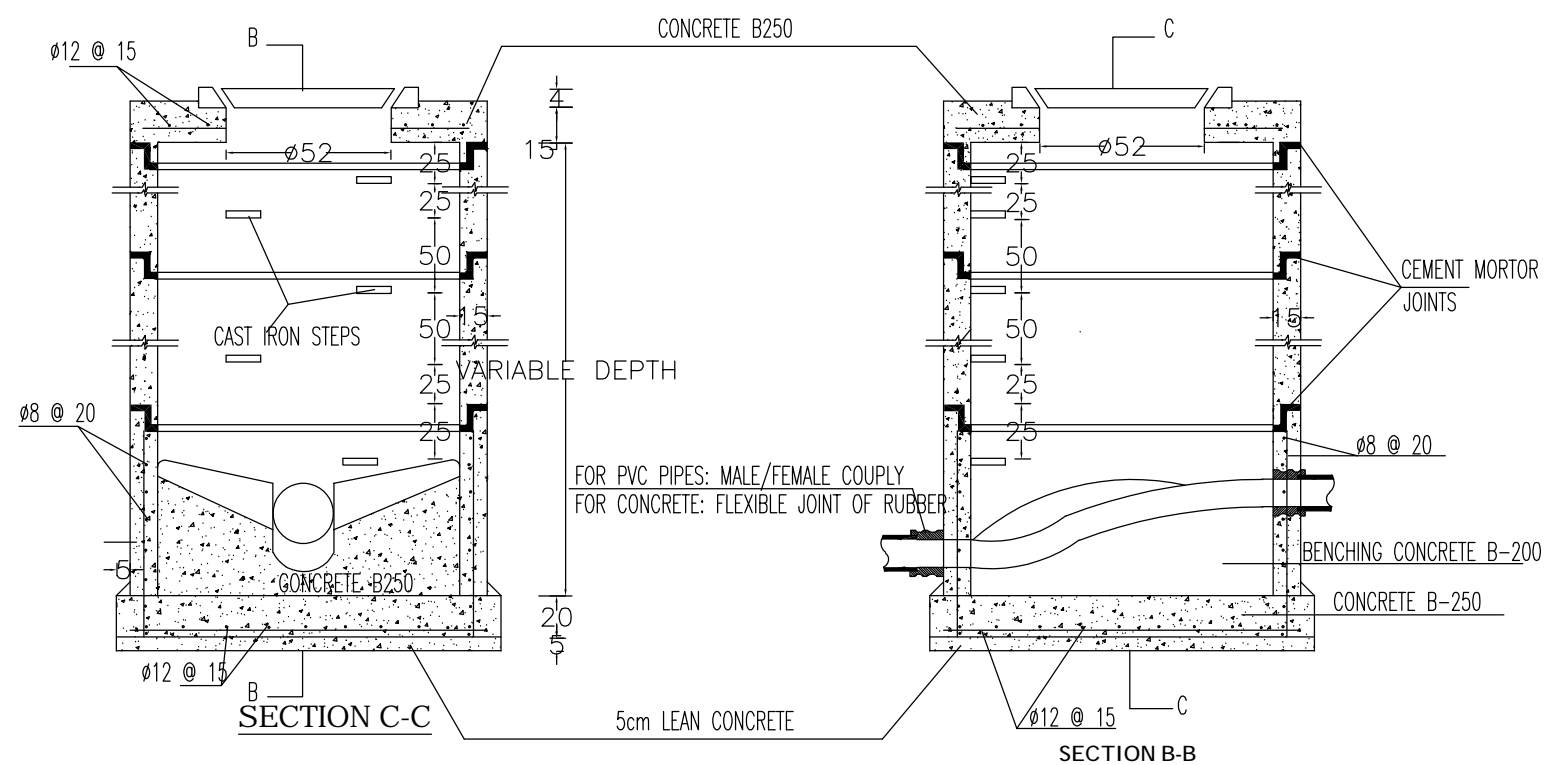
SCALE:



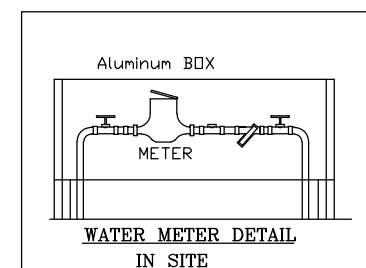
TYPICAL DETAIL & OF WATER TANK CONNECTIONS FOR COLD WATER (1000 LITERS)
NOT TO SCALE



TYPICAL DETAIL OF MANHOLE BENCHING
NOT TO SCALE



TYPICAL DETAIL OF MANHOLE SECTION
NOT TO SCALE



NOTES :-

FOR TENDER ONLY

FUNDED BY:



IMPLEMENTED BY:



CONSULTANT



PROJECT TITLE:

REUSE OF TREATED WASTEWATER FOR AGRICULTURE USE IN AL-MAWASI AREA, RAFAH, GAZA STRIP

Project Code.: 11473/OVERSEAS

DRAWING TITLE:

PLUMPING DETAILS (2/2)

DRAWING NO.: SB-M-03

DATE: JULY 2020 SCALE: