

PROPOSED HOUSE WORKING DRAWINGS

Mr. Sadaqat Ali
PROJECT AT
Project at Abbotabad

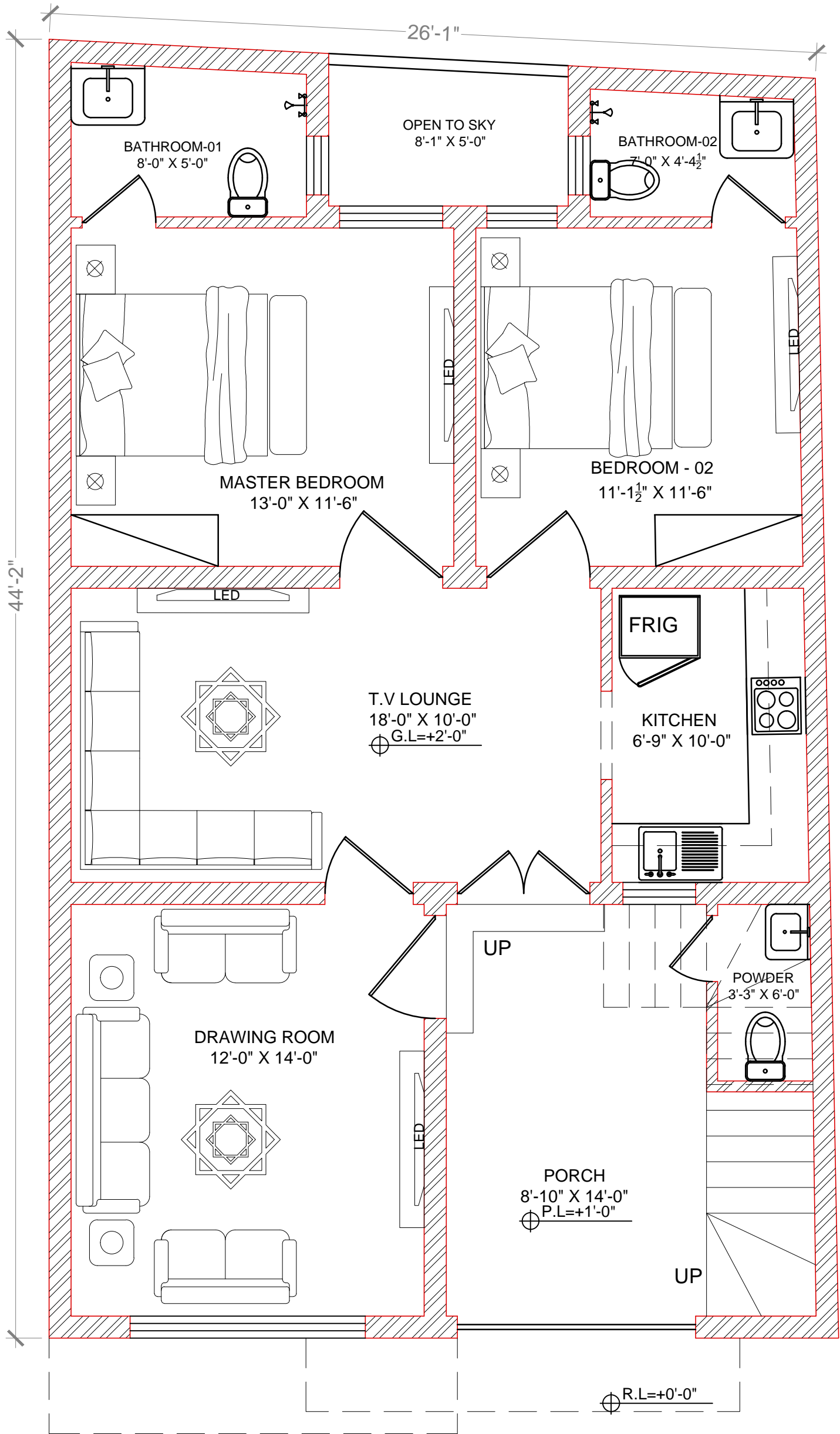


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SECTOR-C, COMMERCIAL, BAHRIA TOWN LAHORE.

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GROUND FLOOR FURNITURE LAYOUT PLAN
COVERED AREA : 1170 SFT

GENERAL NOTES.

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO arc. IT IS SUBMITTED IN CONFIDENCE AND IS NOT TO BE REPRODUCED, TRANSMITTED DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART, OTHER THAN WHAT IS HAS BE ORIGINAL FURNISHED FOR, WITHOUT THE WRITTEN AUTHORIZATION OF Mr.ARC

ALL RIGHTS RESERVED

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THE DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNTIL ISSUED FOR CONSTRUCTION.

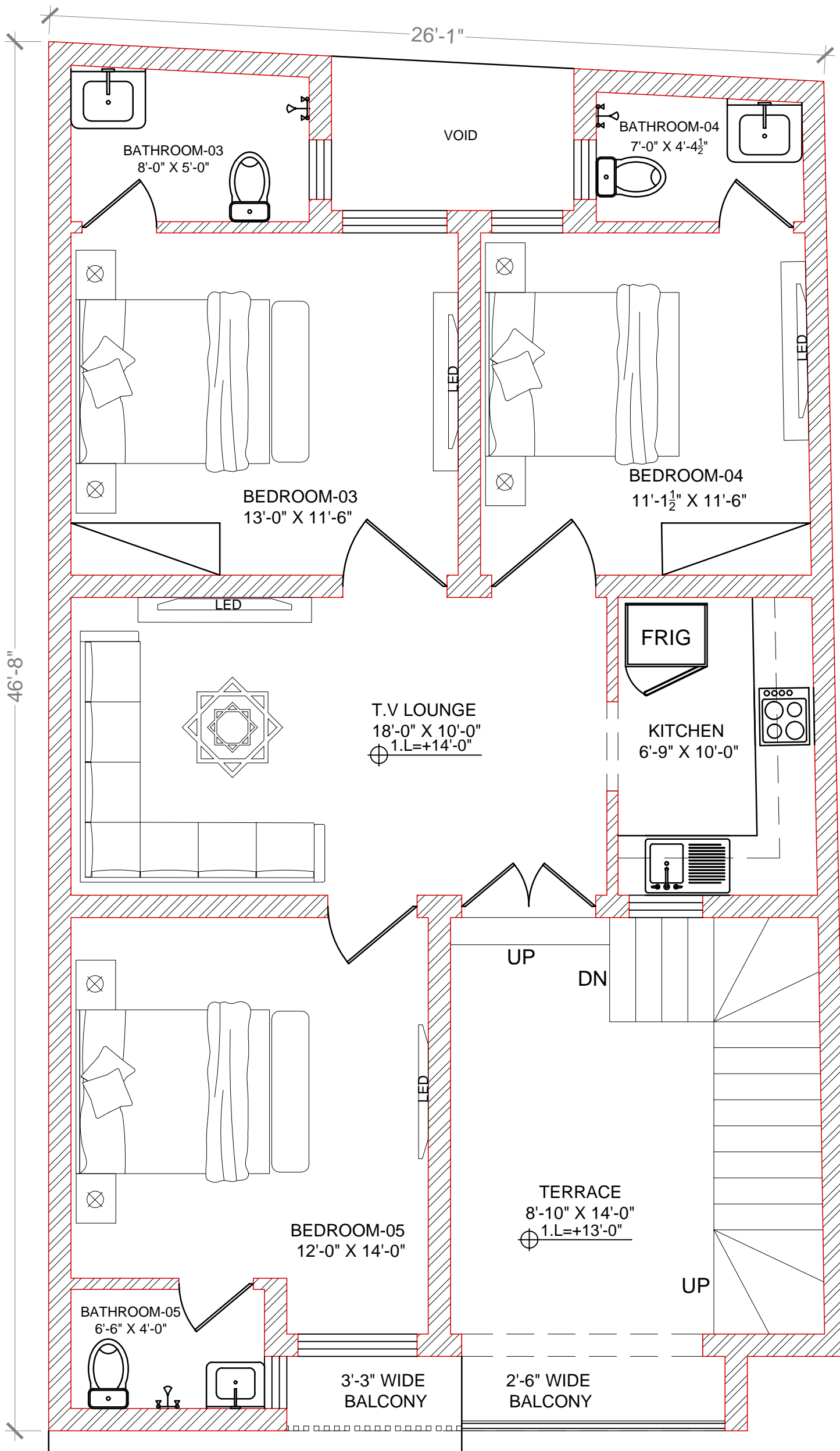
TITLE		PURPOSED FURNITURE PLAN			GROUND FLOOR PLAN			S.NO.	REVISION	OREINTATION
CLIENT	Mr. Sadaqat Ali			CHECKED BY	AR.ADNAN CH.	SHEET NO.	01	01		
PROJECT	Project at Abbotabad			DRAWN BY	M. YASIR	SCALE	N.T.S	02		
				DATE	Dec. 05, 2024	AREA	NILL //	03		



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FIRST FLOOR FURNITURE LAYOUT PLAN

COVERED AREA : 1150 SFT

GENERAL NOTES.

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TITLE		PURPOSED FURNITURE PLAN				FIRST FLOOR PLAN			S.NO.	REVISION	OREINTATION
CLIENT	Mr. Sadaqat Ali			CHECKED BY	AR.ADNAN CH.	SHEET NO.	02		01		
PROJECT	Project at Abbotabad			DRAWN BY	M. YASIR	SCALE	N.T.S		02		
				DATE	Dec. 05, 2024	AREA	NILL //		03		



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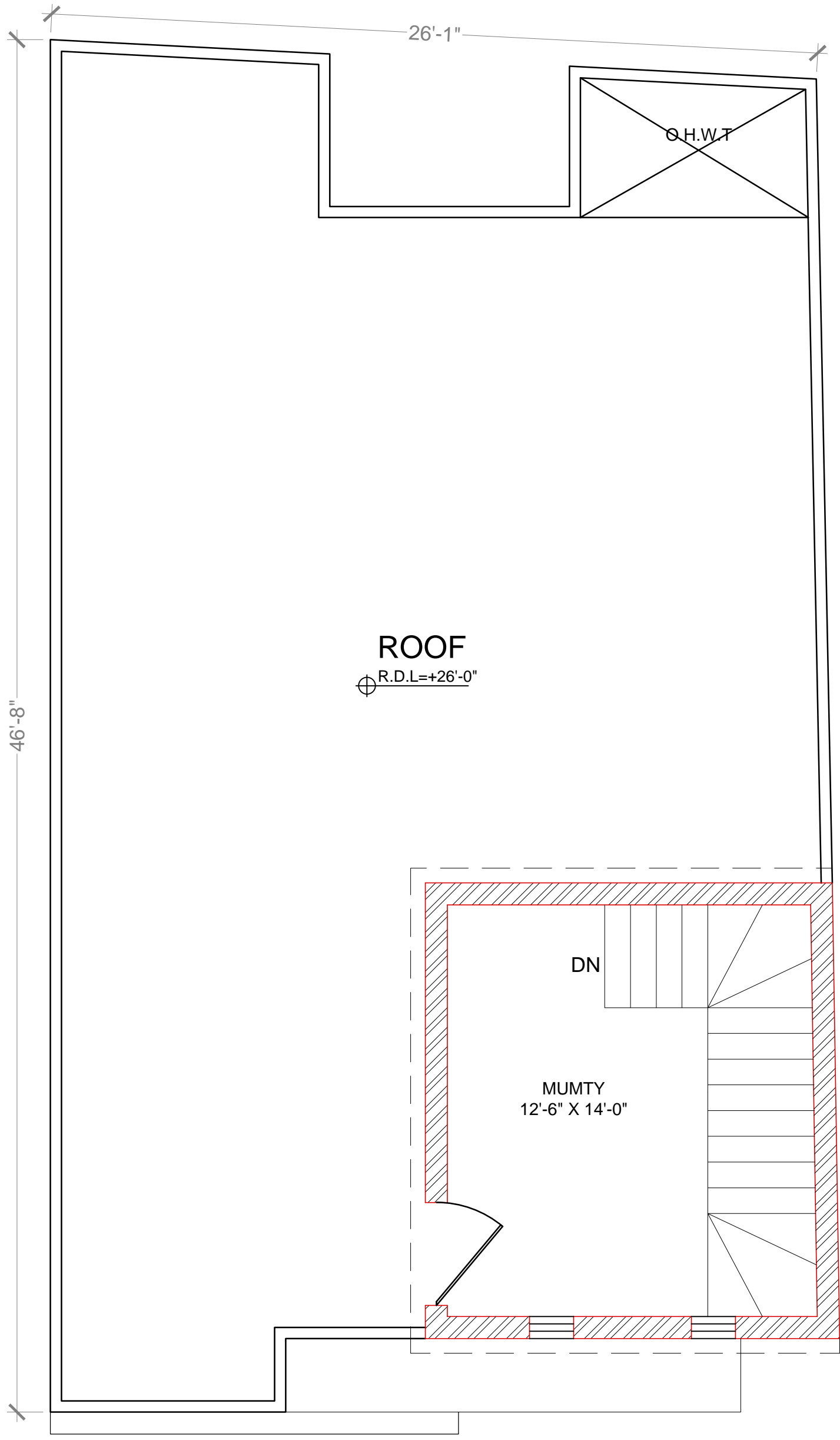
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MUMTY FLOOR FURNITURE LAYOUT PLAN
COVERED AREA : 210 SFT

GENERAL NOTES.

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TITLE	PURPOSED FURNITURE PLAN				MUMTY FLOOR PLAN		S.NO.	REVISION	OREINTATION
CLIENT	Mr. Sadaqat Ali				CHECKED BY	AR.ADNAN CH.	SHEET NO.	03	01
PROJECT	Project at Abbotabad				DRAWN BY	M. YASIR	SCALE	N.T.S	02
					DATE	Dec. 05, 2024	AREA	NILL //	03



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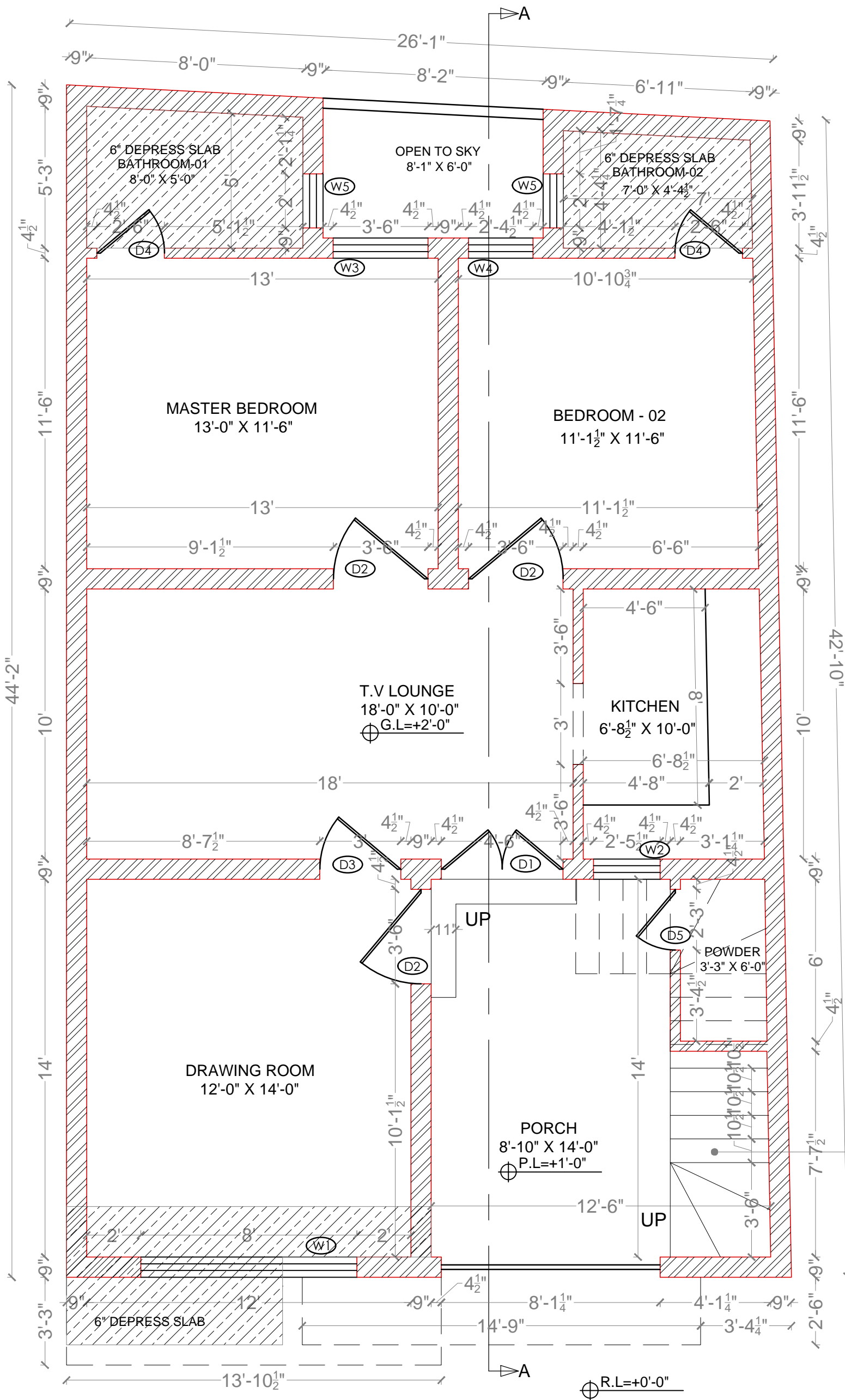
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GROUND FLOOR WORKING LAYOUT PLAN

FLOOR TO FLOOR HEIGHT = 12'-0"
WIDTH 3'-6"
NO OF STEPS = 19
TREAD = 10 1/2"
RISER = 7 1/2"

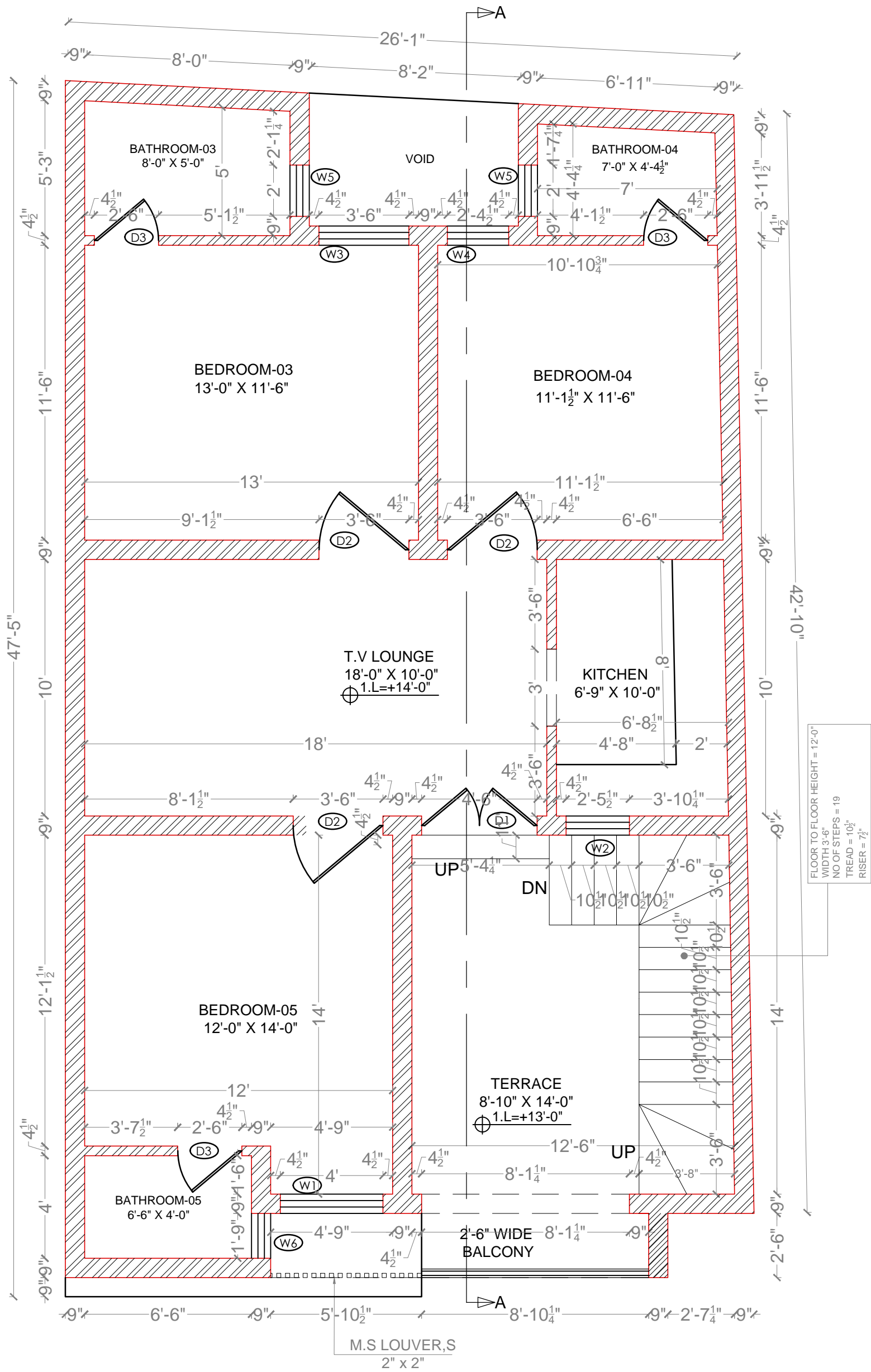
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TITLE	WORKING PLAN	GROUND FLOOR PLAN				S.NO.	REVISION	OREINTATION	 <div>WAZIR AND SONS</div>	WAZIR & SONS Architecture, Interior, Structure, Construction 0308 4343942 http://www.wazirandsons.pk wazirandsonspk@gmail.com SECTOR-C, COMMERCIAL, BAHRIA TOWN LAHORE.
CLIENT	Mr. Sadaqat Ali	CHECKED BY	AR.ADNAN CH.	SHEET NO.	04	01				
PROJECT	Project at Abbotabad	DRAWN BY	M. YASIR	SCALE	N.T.S	02				
		DATE	Dec. 05, 2024	AREA	NILL //	03				



FIRST FLOOR WORKING LAYOUT PLAN

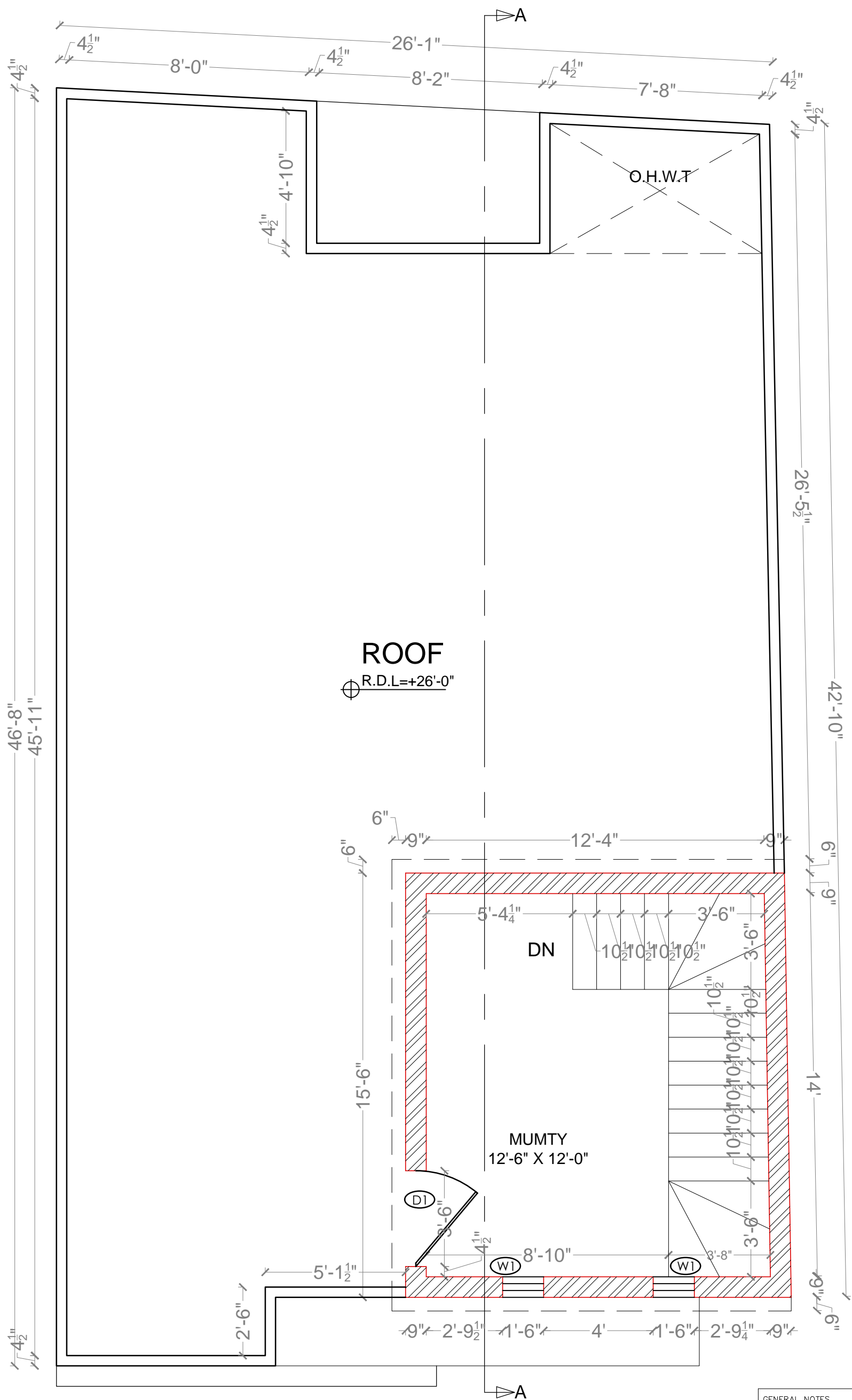
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CLIENT	Mr. Sadaqat Ali	CHECKED BY	AR.ADNAN CH.	SHEET NO.	05	01				
PROJECT	Project at Abbotabad	DRAWN BY	M. YASIR	SCALE	N.T.S	02				
		DATE	Dec. 05, 2024	AREA	NILL //	03				



MUMTY FLOOR WORKING LAYOUT PLAN

GENERAL NOTES.

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TITLE	WORKING PLAN		MUMTY FLOOR PLAN		S.NO.	REVISION	OREINTATION
CLIENT	Mr. Sadaqat Ali		CHECKED BY	AR.ADNAN CH.	SHEET NO.	06	01
PROJECT	Project at Abbotabad		DRAWN BY	M. YASIR	SCALE	N.T.S	02
			DATE	Dec. 05, 2024	AREA	NILL //	03



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DOORS & WINDOWS SCHEDULE				
NAME	WIDTH	HEIGHT	SILL	MATERIAL
GROUND FLOOR DOORS & WINDOWS				
D1	4'-6"	8'-0"	0'-0"	WOODEN
D2	3'-6"	8'-0"	0'-0"	WOODEN
D3	3'-0"	8'-0"	0'-0"	WOODEN
D4	2'-6"	8'-0"	0'-0"	WOODEN
D5	2'-3"	6'-0"	0'-0"	WOODEN
W1	8'-0"	7'-6"	0'-6"	GLASS
W2	2'-5½"	4'-6"	3'-6"	GLASS
W3	3'-6"	7'-6"	0'-6"	GLASS
W4	2'-4½"	7'-6"	0'-6"	GLASS
W5	2'-0"	2'-6"	4'-6"	GLASS
FIRST FLOOR DOORS & WINDOWS				
D1	4'-6"	8'-0"	0'-0"	WOODEN
D2	3'-6"	8'-0"	0'-0"	WOODEN
D3	2'-6"	8'-0"	0'-0"	WOODEN
W1	4'-0"	7'-6"	0'-6"	GLASS
W2	2'-5½"	4'-6"	3'-6"	GLASS
W3	3'-6"	7'-6"	0'-6"	GLASS
W4	2'-4½"	7'-6"	0'-6"	GLASS
W5	2'-0"	2'-6"	4'-6"	GLASS
W5	1'-9"	2'-6"	4'-6"	GLASS
MUMTY FLOOR DOORS & WINDOWS				
D1	3'-6"	7'-0"	0'-0"	STEEL
W1	1'-6"	4'-0"	3'-0"	GLASS

GENERAL NOTES.

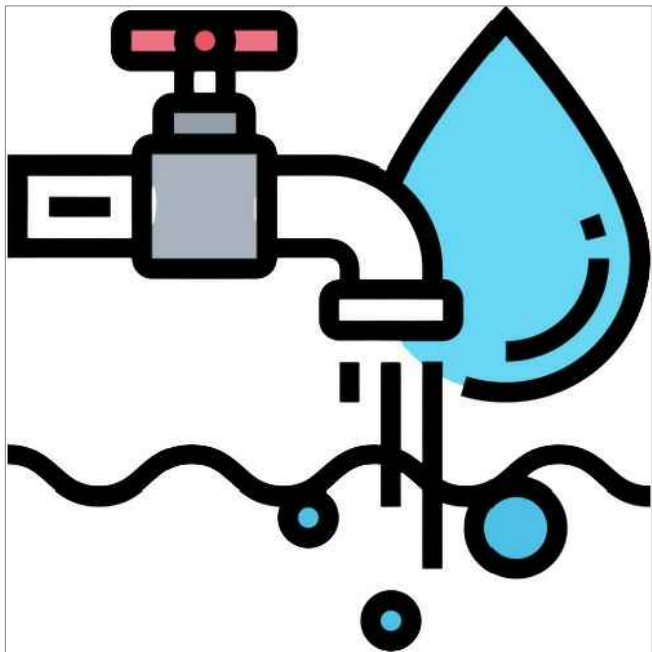
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TITLE	WINDOW SCHEDULE	G.F + F.F + T.P FLOORS			S.NO.	REVISION	OREINTATION		WAZIR & SONS Architecture, Interior, Structure, Construction 0308 4343942 http://www.wazirandsons.pk wazirandsonspk@gmail.com SECTOR-C, COMMERCIAL, BAHRIA TOWN LAHORE.
CLIENT	Mr. Sadaqat Ali	CHECKED BY	AR.ADNAN CH.	SHEET NO.	08	01			
PROJECT	Project at Abbotabad	DRAWN BY	M. YASIR	SCALE	N.T.S	02			
		DATE	Dec. 05, 2024	AREA	NILL //	03			

PROPOSED PLAN FOR
HOUSE AT ABBOTTABAD.



WATER SUPPLY & SEWERAGE
DRAWINGS



MEP CONSULTANT:

WAZIR & SONS

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Sector-C Commercial Bahria Town Lahore.



PROJECT NAME:

ABBOTTABAD

OWNED BY:

MR. SADAQAT ALI

DRAWING TITLE:

TITLE PAGE

DRAWING NO:

00

DESIGNED BY:

WAZIR & SONS

DRAW BY:

WAZIR & SONS

SCALE:

NTS

NORTH:



DATE:























16-11-2024


LIST OF DRAWINGS

S.NO	DESCRIPTION	DRG.NO:
001	LEGENDS	LG-1
002	GENERAL NOTES	GN-1
WATER SUPPLY SYSTEM		
003	WATER SUPPLY SYSTEM (GROUND FLOOR)	W.S - 1
004	WATER SUPPLY SYSTEM (1ST FLOOR)	W.S - 2
005	WATER SUPPLY SYSTEM (MUMTY FLOOR)	W.S - 3
006		
007		
008		
009		
SEWERAGE & DRAINAGE SYSTEM		
010	SEWERAGE SYSTEM (GROUND FLOOR)	W.S - 1
011	SEWERAGE SYSTEM (1ST FLOOR)	S.W - 2
012	SEWERAGE SYSTEM (MUMTY FLOOR)	S.W - 3
013		
014		
015		
016		
MISCELLANEOUS DETAILS		
017	TYPICAL OVER HEAD WATER TANK PLAN, PIPES & SECTIONAL DETAILS TYPICAL UNDER GROUND WATER TANK PLAN, PIPES & SECTIONAL DETAILS TYPICAL SEPTIC TANK PLAN, PIPES & SECTIONAL DETAILS	T-1, T-2
018	TYPICAL GULLY TRAP & MANHOLE PLAN, PIPES & SECTIONAL DETAILS & MISCELLANEOUS DETAILS	A, B, C

- NO WORK SHALL BE CARRIED OUT UNLESS SHOP DRAWINGS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CONSULTANT.
- CONTRACTOR SHALL NOT PROVIDE ANY EQUIPMENT OR MATERIAL UNLESS TECHNICAL SUBMITTALS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CONSULTANT.
- THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL THE DRAWINGS BEFORE START OF WORK AND SHALL COORDINATE WITH ALL OTHER DISCIPLINE AND ANY DISCREPANCY APPEARS IT SHOULD BE BROUGHT TO THE CONSULTANT'S KNOWLEDGE IMMEDIATELY.
- CONTRACTOR SHALL COORDINATE ALL WORKS WITH ELECTRICAL, STRUCTURAL & ARCHITECTURAL LAYOUTS.
- MECHANICAL SERVICES SHALL NOT CUT IN ANY STRUCTURAL BEAMS, RIBS OR ANY OTHER STRUCTURAL ELEMENTS UNLESS A PRIOR WRITTEN APPROVAL HAS BEEN TAKEN FROM THE ENGINEER.
- ALL EQUIPMENTS SHALL BE INSTALLED STRICTLY AS PER MANUFACTURER'S RECOMMENDATION.
- MECHANICAL CONTRACTOR SHALL PROVIDE SLEEVE ON ALL PIPES PENETRATING WALLS SLABS OR BEAMS.
- ALL WORK SHALL CONFORM TO THE LATEST INTERNATIONAL BUILDING CODE, AND THE REQUIREMENTS OF LOCAL AUTHORITIES.
- MANHOLE COVERS AND FRAMES ARE TO BE HEAVY DUTY IN TRAF16-11-2024C AREAS AND MEDIUM DUTY IN PEDESTRIAN AREAS.
- MANHOLES SHALL BE OF CONCERT CONSTRUCTION.
- ALL SEWAGE PIPES SHALL HAVE A MINIMUM SLOPE OF INDIRECTION OF FLOW.
- ALL PIPES UNDER TRAF16-11-2024C WILL HAVE MINIMUM 1000 mm COVER OR WALL BE ENCASED IN CONCRETE.
- ALL SANITARY APPLIANCES SHALL BE PROVIDED WITH TRAPS.
- JOINTS TO W.C. PANS SHALL BE WITH UPVC CONNECTORS & RUBBER GASKETS .
- ISOLATING VALVES SHALL BE PROVIDED TO SEPARATE THE INDIVIDUAL TOILETS, DATE VALVES SHALL BE PROVIDED TO/FROM WATER HEATERS.
- EXACT LOCATION OF WATER PIPE WORK SHALL BE DETERMINED ON SITE.
- PROVIDE ISOLATING VALVE ON ALL MAIN MID RANCH LINES FOR MAINTENANCE.
- IN SEWERAGE SYSTEM THE PIPE DIAMETERS ARE INDICATED CONTRACTOR SHALL USE ADEQUATE PIPES SIZE, SPECIALLY WHEN USING PLASTIC PIPES TO ACCOUNT FOR PIPE WALL THICKNESS.
- CONTRACTOR TO PROVIDE OVERFLOW. TEST PIPE WARNING OF LEVEL AND DRAIN CONNECTION.
- ALL ELECTRICAL POWER AND CONTROL WIRING/CONDUITING FROM M.C.C. TD EQUIPMENTS SHALL BE CARRIED OUT BY ELECTRICAL CONTRACTOR.
- CONTRACTOR TO PROVIDE CLEAN OUTS AT EVERY 15 METER OF PIPE RUN EVEN IF IT IS NOT MENTIONED IN THE DRAWINGS.
- FOR COLD AND HOT SEWERAGE PPR PN-20 PIPES SHALL BE USED.
- ALL EXPOSED COLD AND HOT WATER PIPING SHALL BE GI (IL) MEDIUM CLASS.
- FOR SEWERAGE SYSTEM UPVC (SWV) NON-PRESSURE PIPES AND 16-11-2024TTINGS SHALL BE USED.
- FOR DRAINAGE SYSTEM PVC NON-PRESSURE PIPES AND 16-11-2024TTINGS CLASS-B, SHALL BE USED.

PLUMBING LEGENDS

SYMBOLS		DESCRIPTION	16-11-2024TTING & VALUES		SYMBOL'S DESCRIPTION			
	SP	SOIL WATER PIPE		GATE VALUE	MU	MAKE UP PIPE		
	WP	WASTE WATER PIPE		FLOAT VALUE	F/A	FROM ABOVE		
	MP	MAIN WATER PIPE		STRAINER	F/B	FROM BELOW		
	FD	FLOOR DRAIN		AIR RELIEF VALVE	T/A	TO ABOVE		
	COP	CLEAN OUT PLUG		CHECK VALVE	T/B	TO BELOW		
		ABOVE CEILING		BOOSTER PUMP	WATER SUPPLY PIPE DIA			
	MH	MAIN HOLE		SUBMERSIBLE PUMP				
	KH	KHURA	SEWERAGE PIPE SLOPE					
	CW	COLD WATER PIPE						
	HW	HOT WATER PIPE						
	EG	ELECTRIC GEYSER						
	GG	GAS GEYSER						
	BSP	BOOSTER PUMP						
	SMP	SUBMERSIBLE PUMP						
	D.P	AC DRAIN PIPE						
		PIPE DIA (INCH)		SLOPE				
		3"		1:75				
		4"		1:100				
		6"		1:150				
		8"		1:175				
		9"		1:200				
		OUTER DIA (mm)	INTERNAL DIA (mm)		INCH			
		20	13.2		0.52			
		25	16.4		0.65			
		32	21.2		0.83			
		40	26.6		1.05			
		50	33.2		1.31			
		63	42		1.65			
		75	50		1.97			
		90	60		2.36			
		110	73.2		2.88			




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MEP CONSULTANT:

WAZIR & SONS



PROJECT NAME:

ABBOTTABAD

OWNED BY:

MR. SADAQAT ALI

DRAWING TITLE:

LEGENDS

DRAWING NO:

02

DESIGNED BY:

WAZIR & SONS


DRAW BY:

WAZIR & SONS

SCALE:

NTS

NORTH:



NOTS:

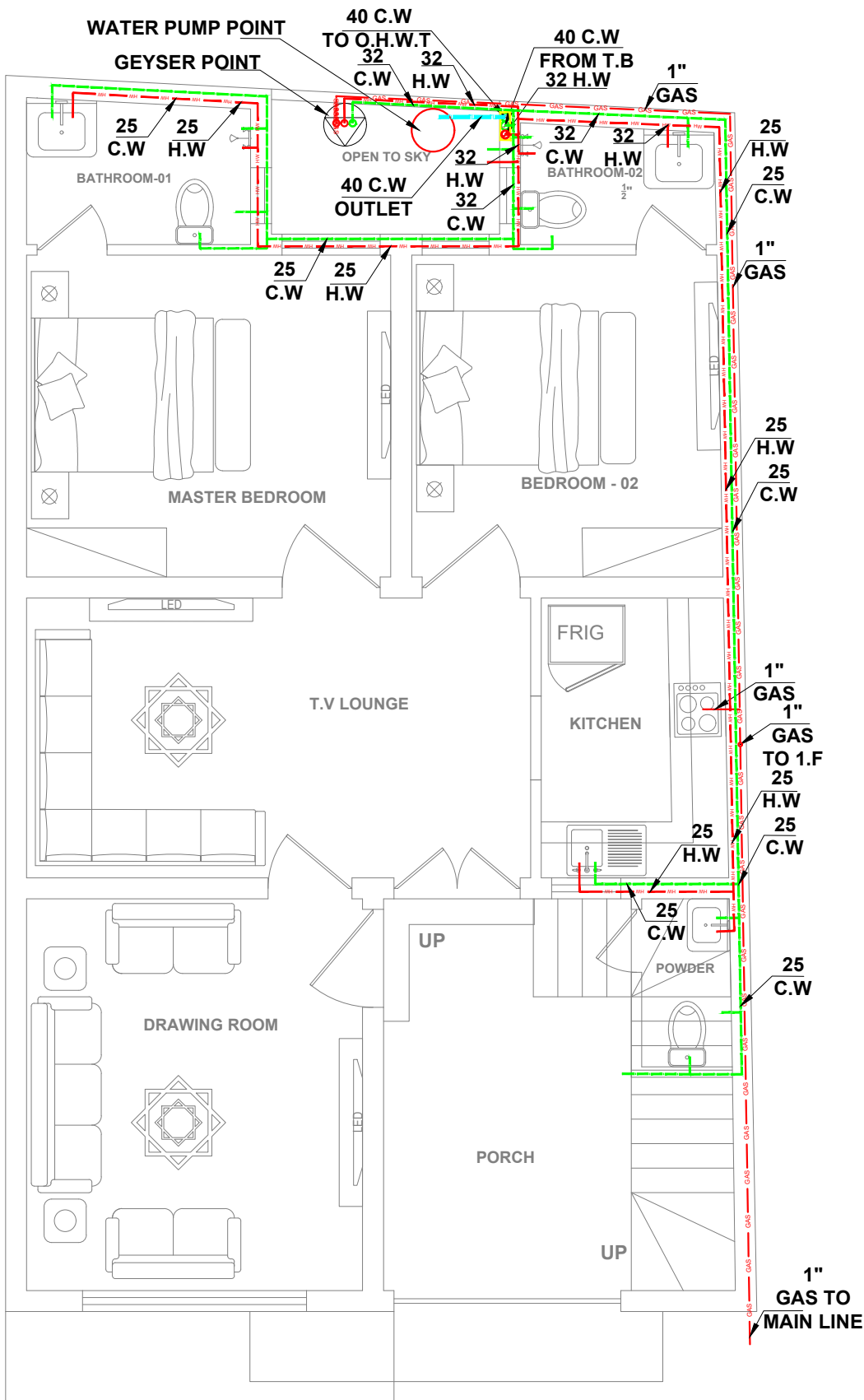
1- ALL DIMENSIONS ARE INCH UNLESS OTHERS WISE NOTED.
2- CONTRACTOR TO CO-ORDINATE ALL BUILDING SERVICES.

DATE:

16-11-2024

WATER SUPPLY PIPE DIA

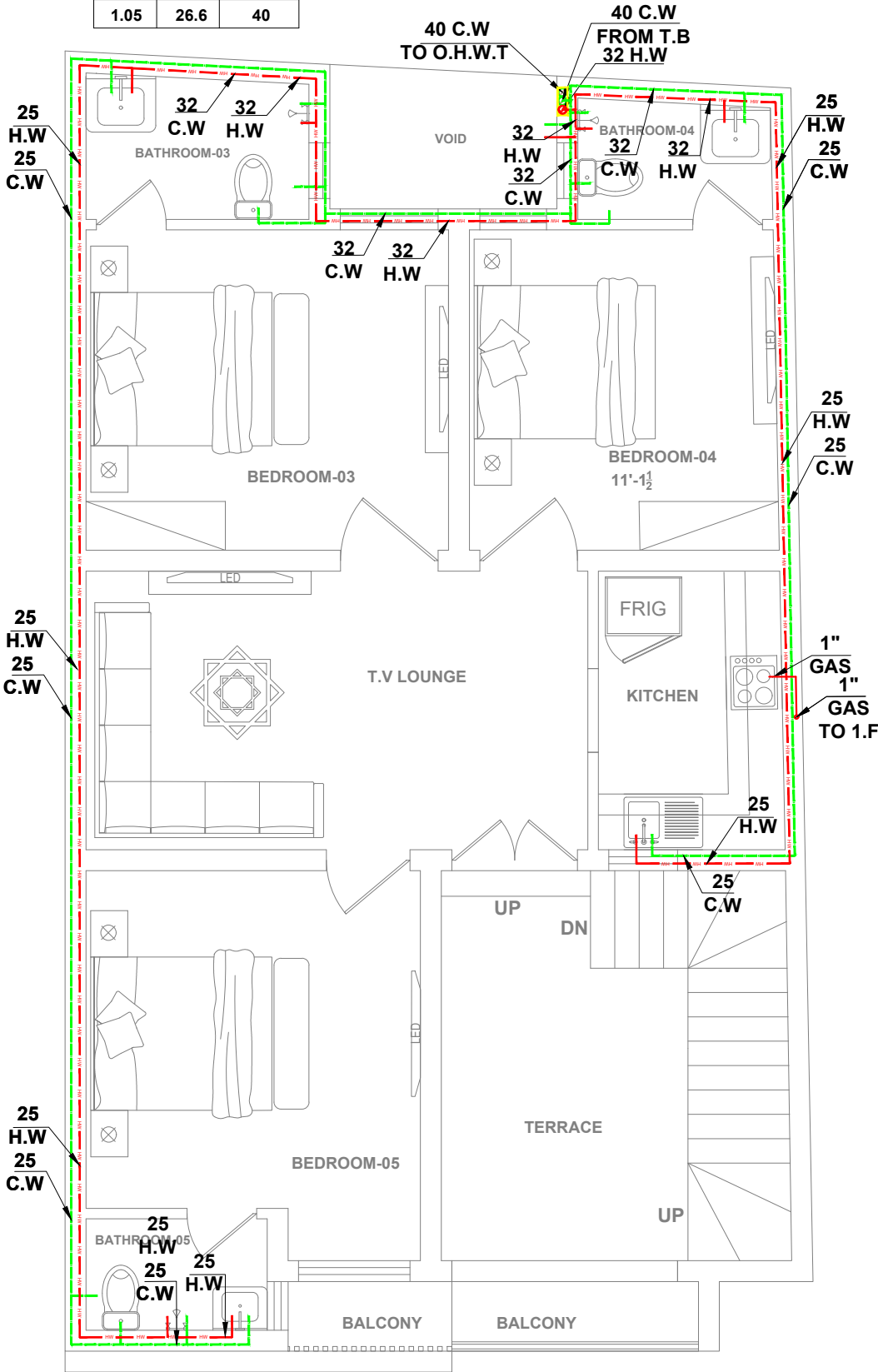
INTERNAL DIA		OUTER DIA (mm)
INCH	(mm)	
0.52	13.2	20
0.65	16.4	25
0.83	21.2	32
1.05	26.6	40



GROUND FLOOR PLAN

WATER SUPPLY PIPE DIA

INTERNAL DIA		OUTER DIA (mm)
INCH	(mm)	
0.52	13.2	20
0.65	16.4	25
0.83	21.2	32
1.05	26.6	40



1ST FLOOR PLAN



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PROJECT NAME:

ABBOTTABAD

OWNED BY:

MR. SADAQAT ALI

DRAWING TITLE:

GROUND & 1ST FLOOR WATER
SUPPLY PLAN

DRAWING NO:

03

DESIGNED BY:

WAZIR & SONS

DRAW BY:

WAZIR & SONS

SCALE:

NTS

NORTH:



DATE:

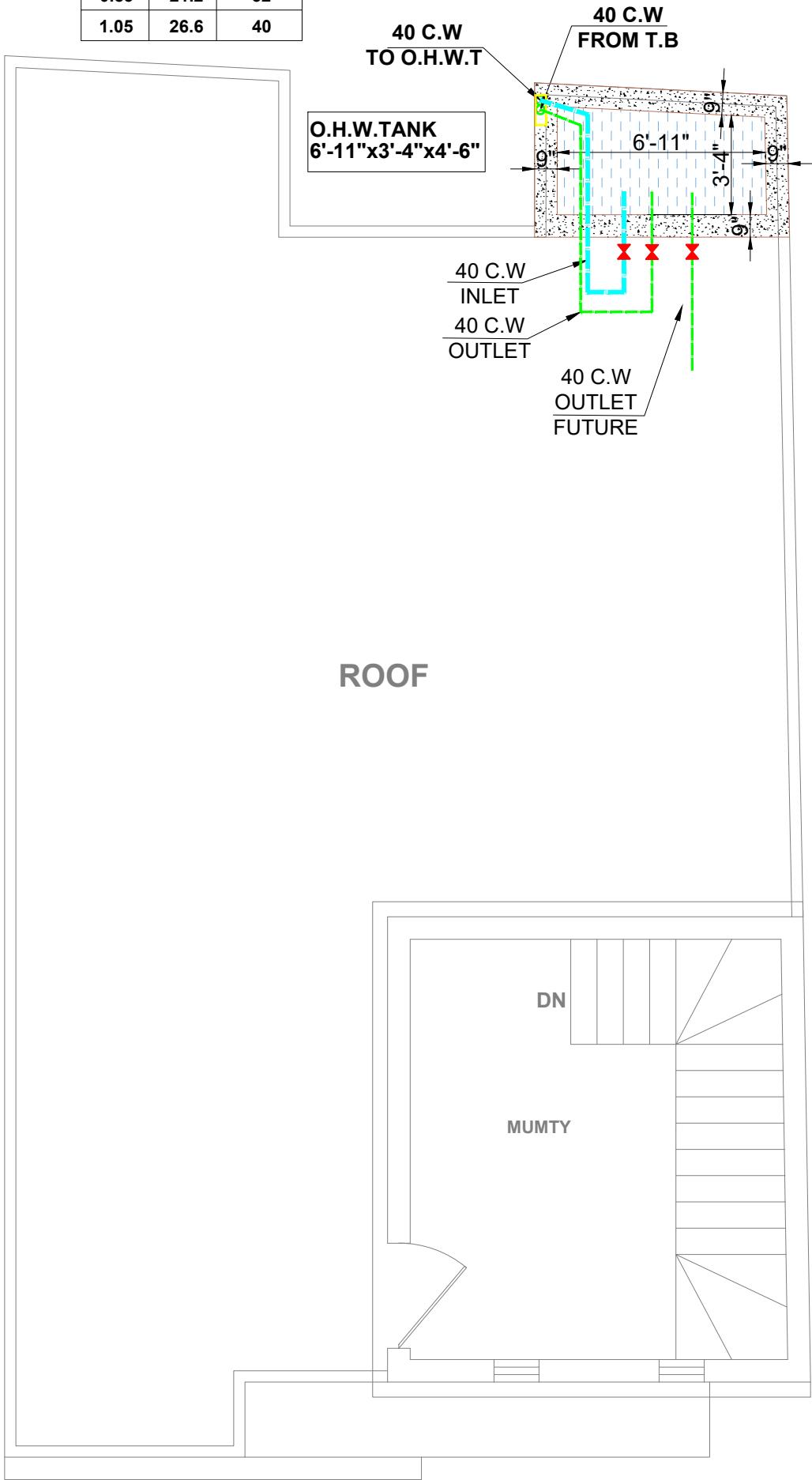
16-11-2024

NOTS:

- 1- ALL DIMENSIONS ARE INCH UNLESS OTHERS WISE NOTED.
- 2- CONTRACTOR TO CO-ORDINATE ALL BUILDING SERVICES.

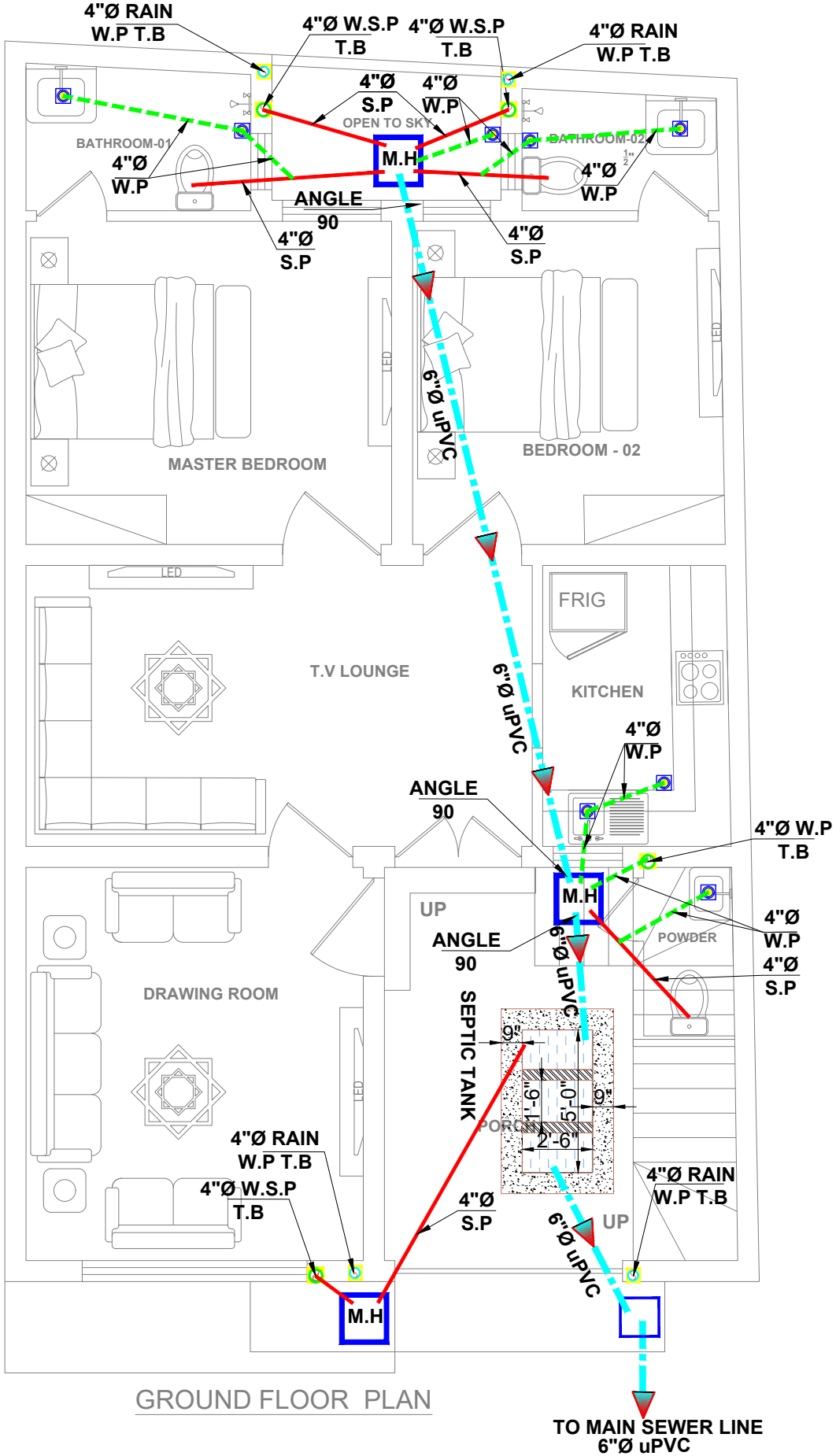
WATER SUPPLY PIPE DIA

INTERNAL DIA		OUTER DIA (mm)
INCH	(mm)	
0.52	13.2	20
0.65	16.4	25
0.83	21.2	32
1.05	26.6	40



MUMTY FLOOR PLAN

PIPE DIA (INCH)	SLOPE
3"	1:75
4"	1:100
6"	1:150



GROUND FLOOR PLAN



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PROJECT NAME:

ABBOTTABAD

OWNED BY:

MR. SADAQAT ALI

DRAWING TITLE:

MUMTY FLOOR WATER
SUPPLY PLAN
GROUND FLOOR SEWERAGE
DRAIN PLAN

DRAWING NO:

04

DESIGNED BY:

WAZIR & SONS

DRAW BY:

WAZIR & SONS

SCALE:

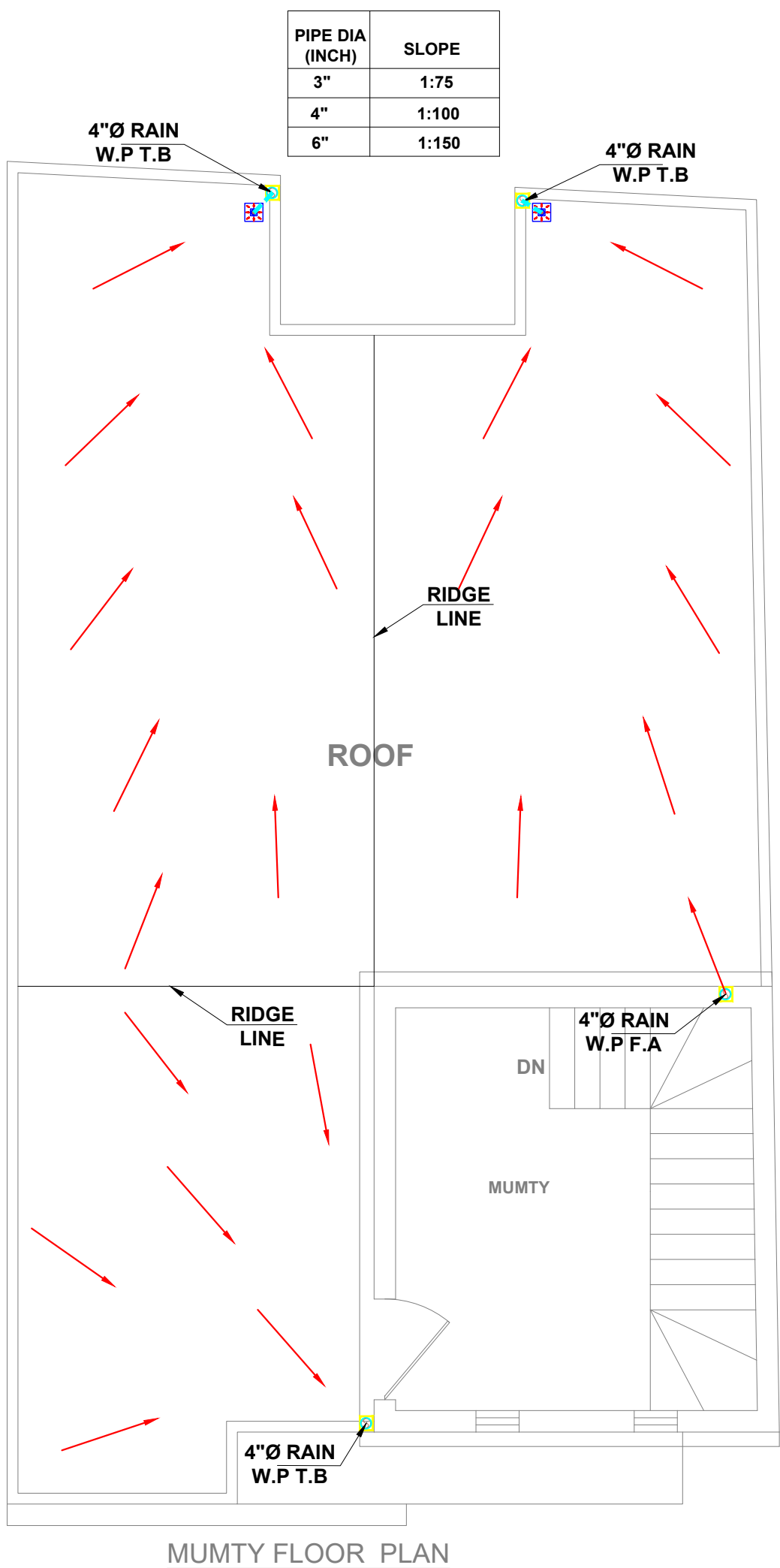
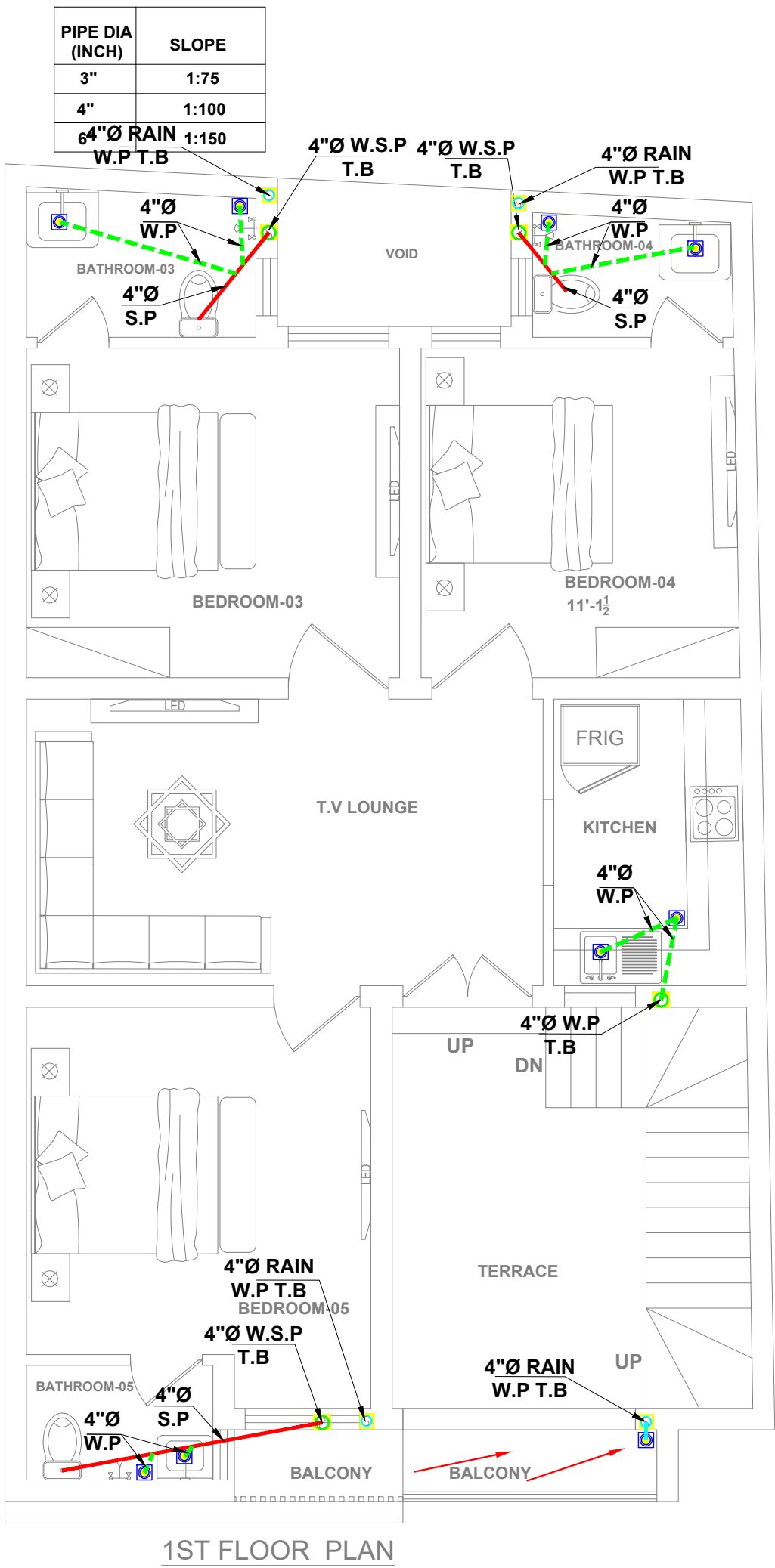
NTS

NORTH:



DATE:

16-11-2024



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Sector-C Commercial Bahria Town Lahore.



PROJECT NAME:

ABBOTTABAD

OWNED BY:

MR. SADAQAT ALI

DRAWING TITLE:

1ST & MUMTY FLOOR
SEWERAGE DRAIN PLAN

DRAWING NO:

05

DESIGNED BY:

WAZIR & SONS

DRAW BY:

WAZIR & SONS

SCALE:

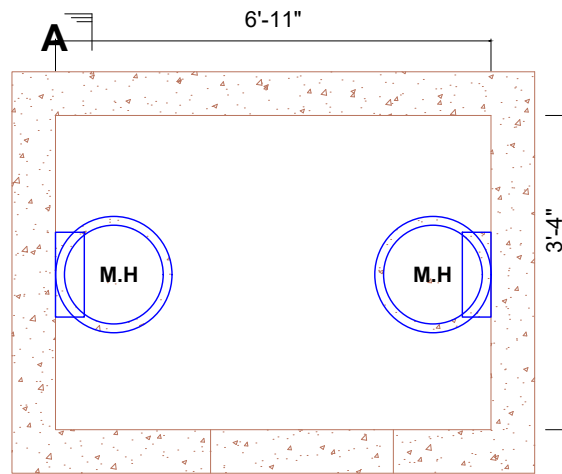
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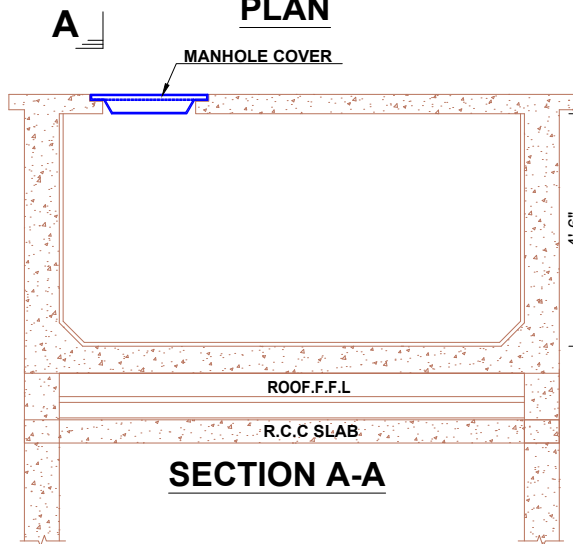


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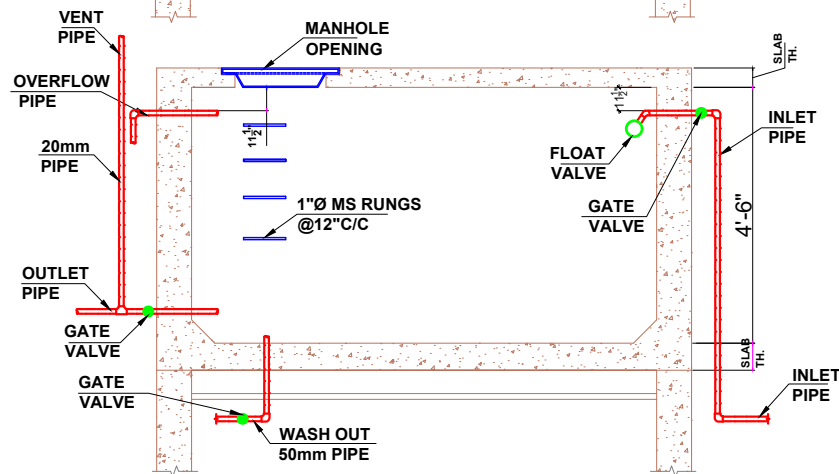
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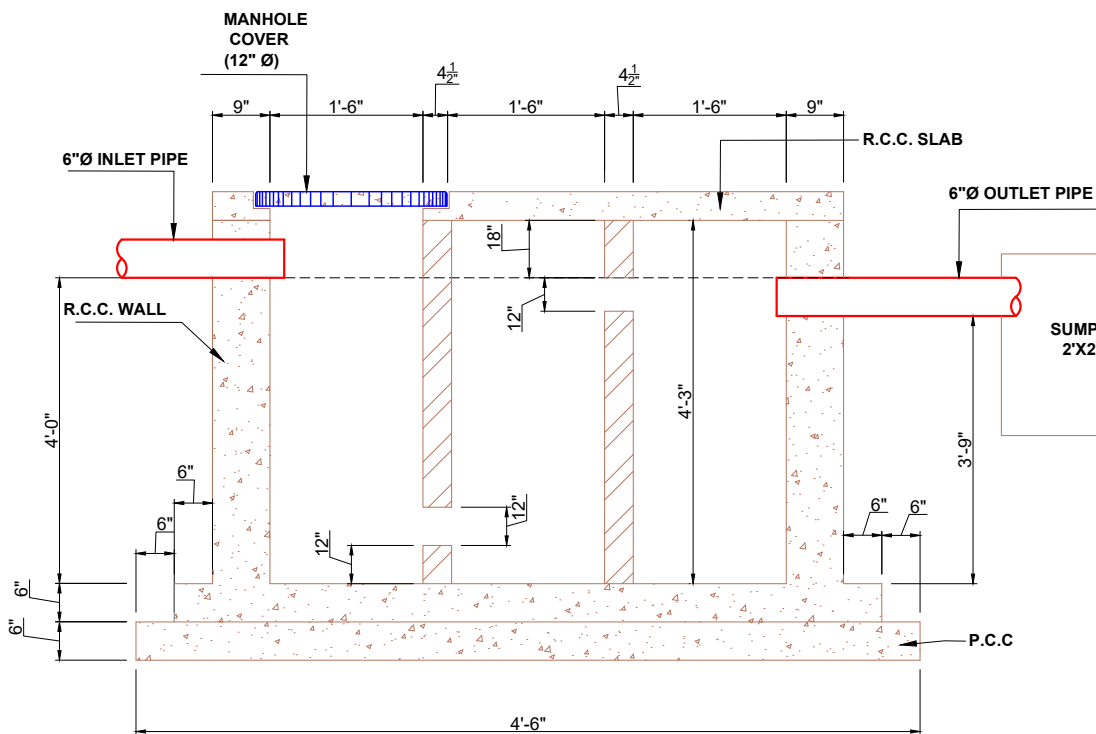
PLAN



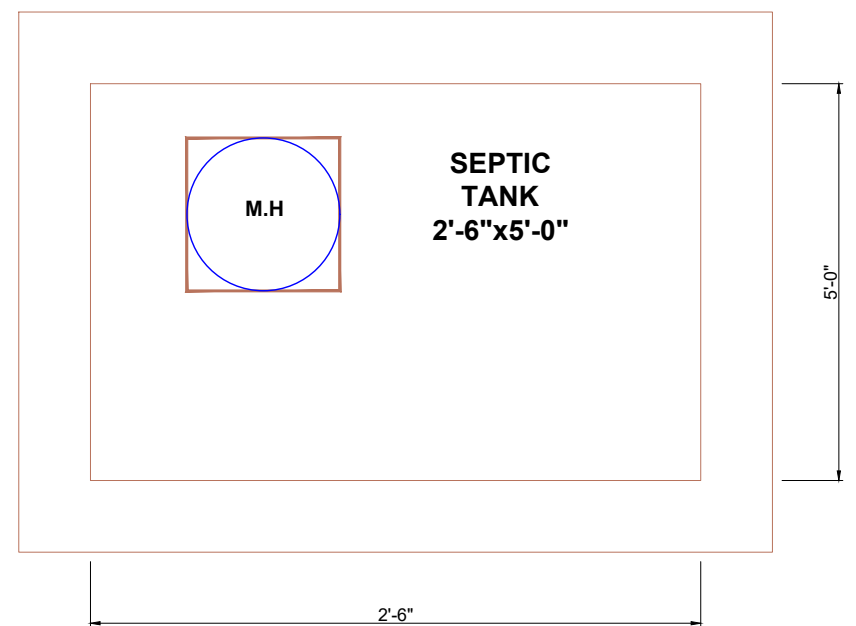
SECTION A-A



TYP.OVER HEAD WATER TANK PIPE DETAIL



SEPTIC TANK PIPE DETAIL



SEPTIC TANK DETAIL



MEP CONSULTANT:

WAZIR & SONS

+92 3084343942
http://www.wazirandsons.pk
wazirandsonspk@gmail.com
Sector-C Commercial Bahria Town Lahore.



PROJECT NAME:

ABBOTTABAD

OWNED BY:

MR. SADAQAT ALI

DRAWING TITLE:

TANKS DETAIL

DRAWING NO:

06

DESIGNED BY:

WAZIR & SONS

DRAW BY:

WAZIR & SONS

SCALE:

NTS

NORTH:

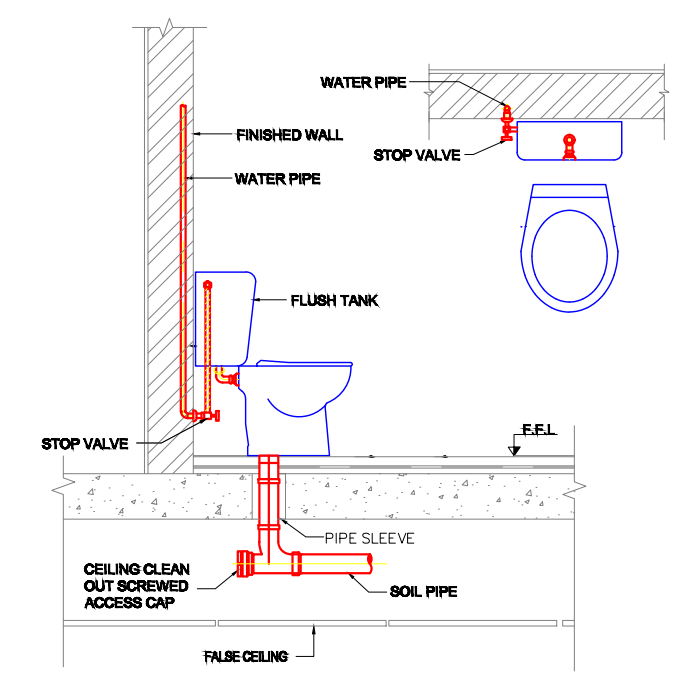


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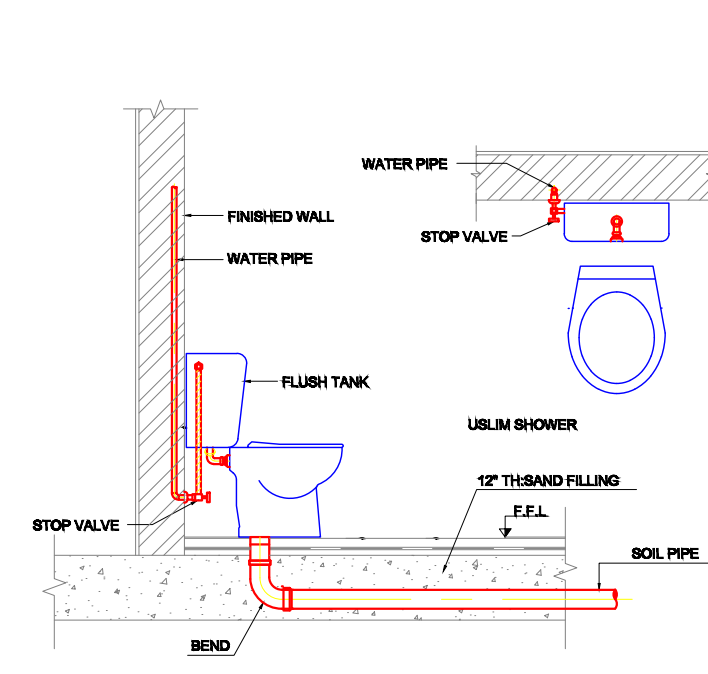
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NOTS:

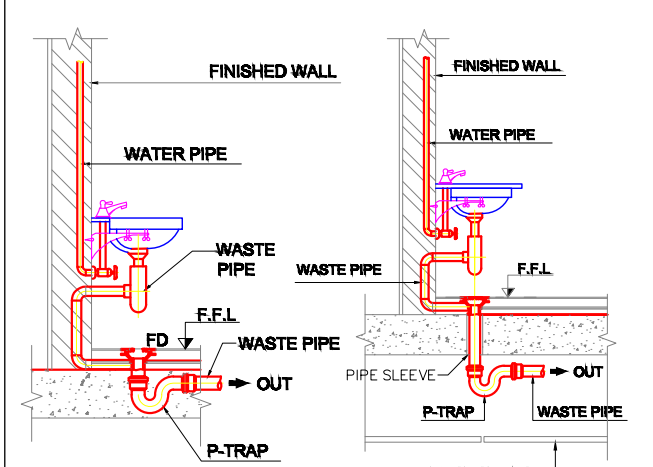
- 1- ALL DIMENSIONS ARE INCH UNLESS OTHERS WISE NOTED.
- 2- CONTRACTOR TO CO-ORDINATE ALL BUILDING SERVICES.



DETAIL OF ENGLISH WATER CLOSET (FLAT SLAB)

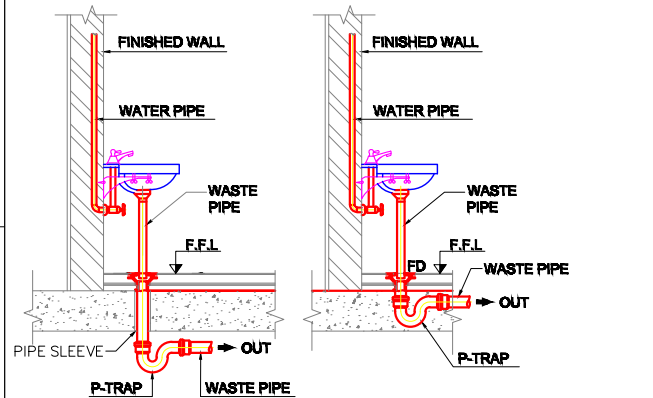


DETAIL OF ENGLISH WATER CLOSET (SUNKEN SLAB)



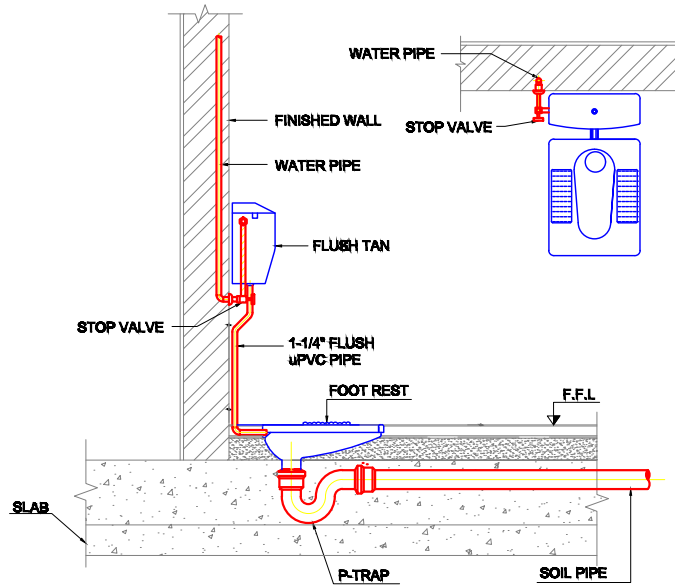
DETAIL OF FLOOR VANITY

DETAIL OF VANITY

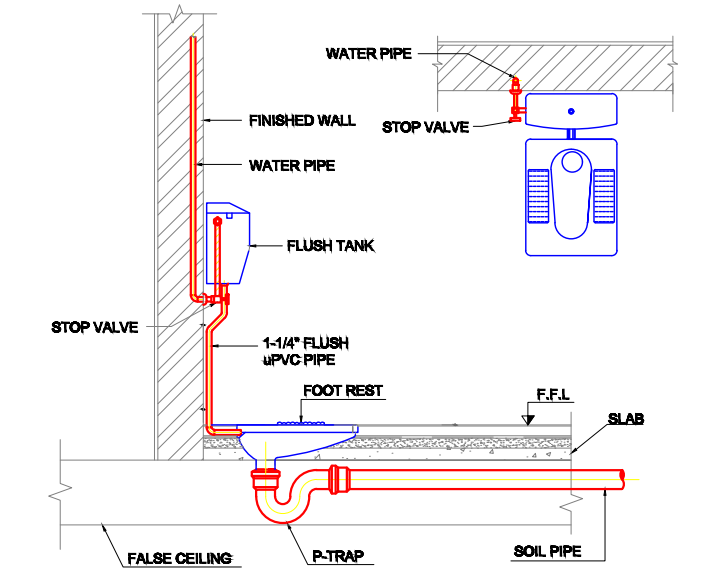


DETAIL OF WASH BASIN

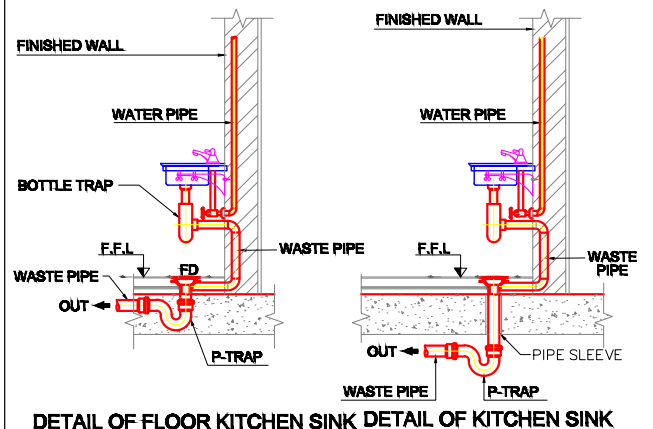
DETAIL OF FLOOR WASH BASIN



DETAIL OF INDIAN WATER CLOSET (SUNKEN SLAB)

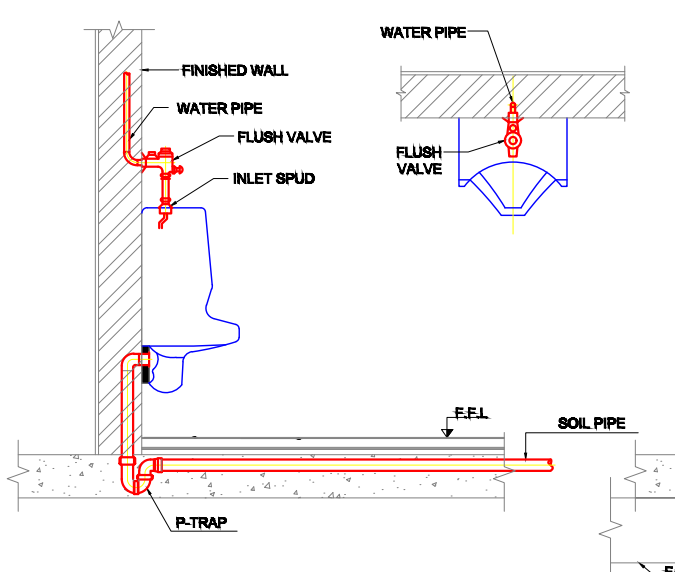


DETAIL OF INDIAN WATER CLOSET (FLAT SLAB)

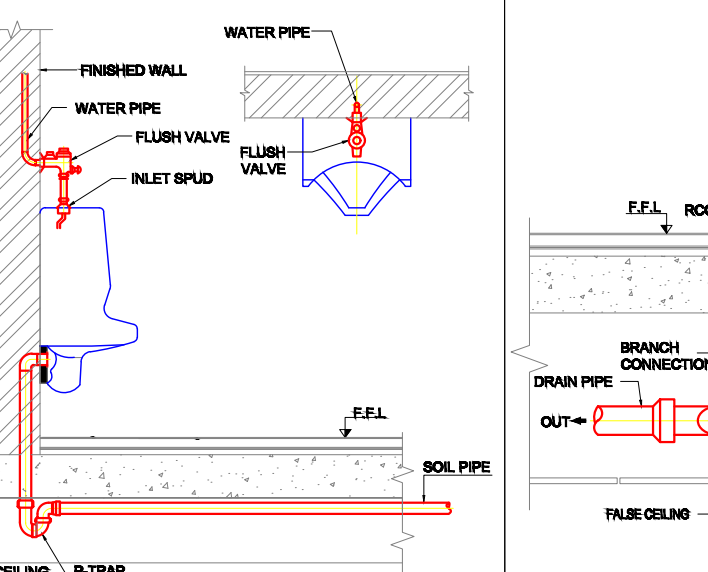


DETAIL OF FLOOR KITCHEN SINK

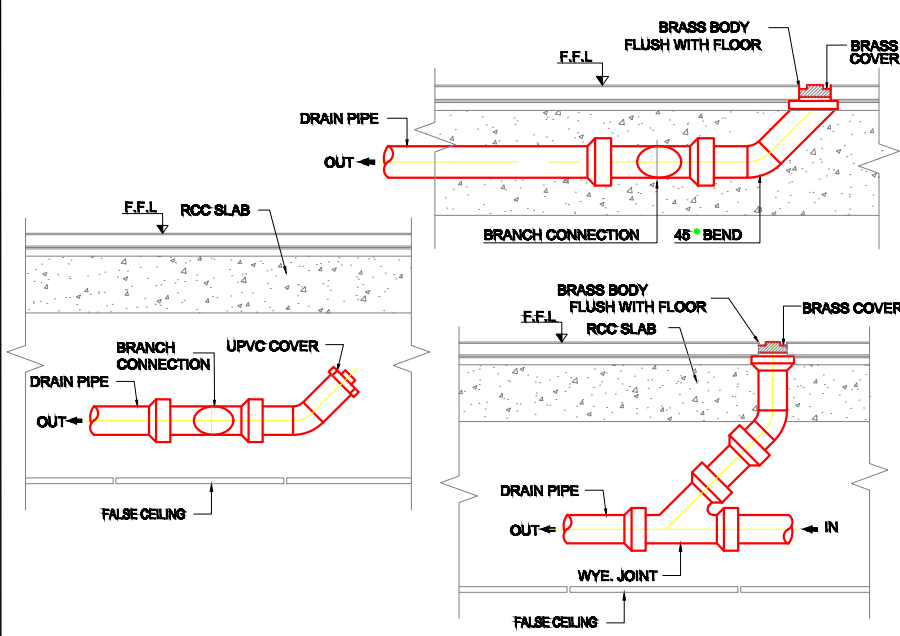
DETAIL OF KITCHEN SINK



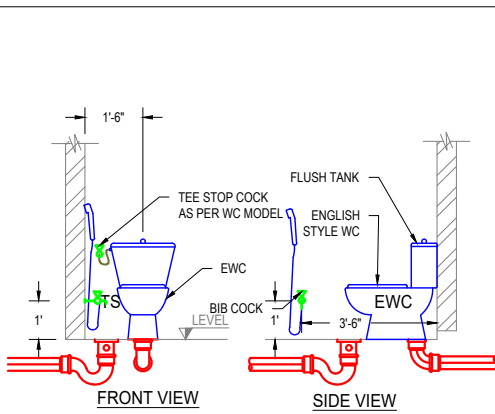
DETAIL OF WALL HANG URINAL (SUNKEN SLAB)



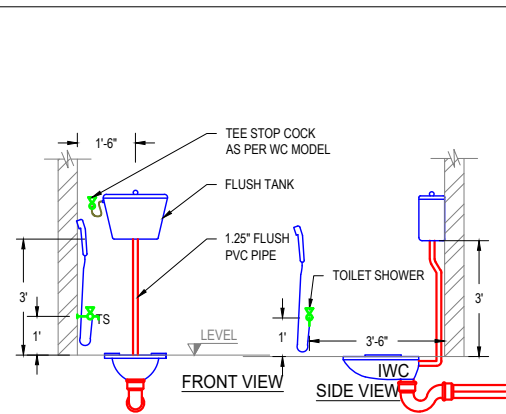
DETAIL OF WALL HANG URINAL (FLAT SLAB)



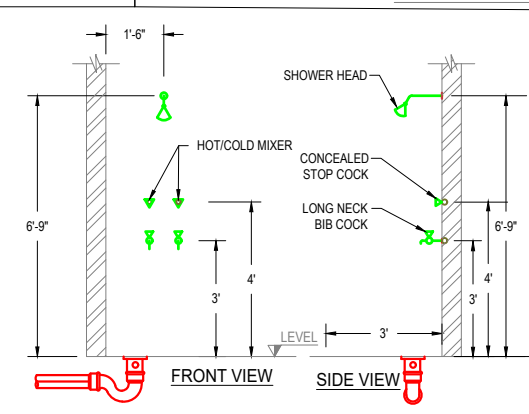
CLEAN OUT PLUG DETAIL



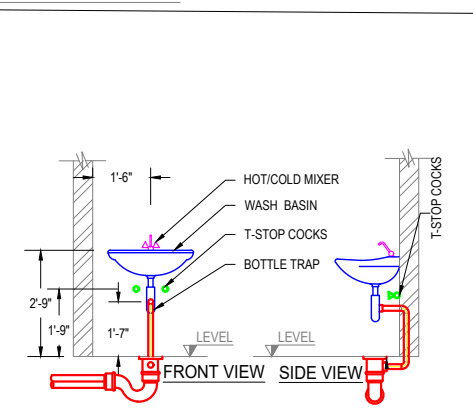
STANDARD 16-11-2024XING DIMENSIONS OF ENGLISH STYLE WATER CLOSET, (EWC)



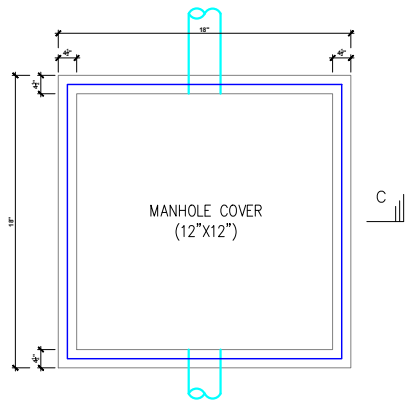
STANDARD 16-11-2024XING DETAIL OF INDIAN STYLE WATER CLOSET, (IWC)



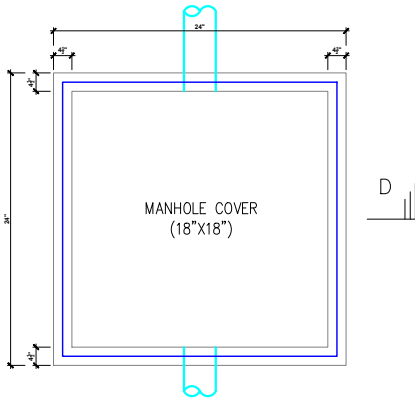
STANDARD 16-11-2024XING DETAILS OF SHOWER WITH FLOOR TRAP



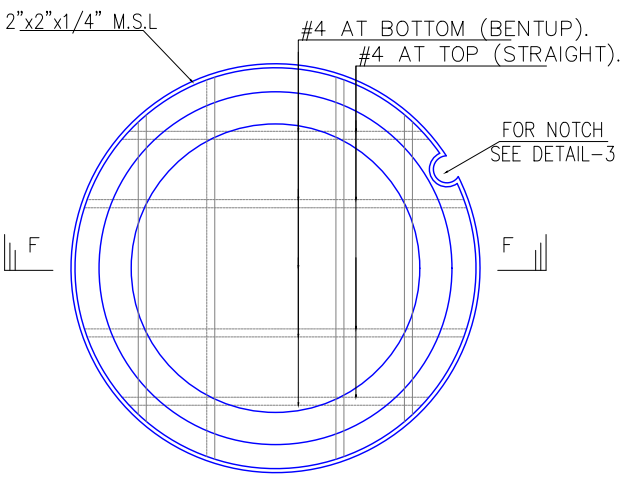
STANDARD 16-11-2024XING DIMENSION C WASH BASIN WITH BOTTLE TRAP



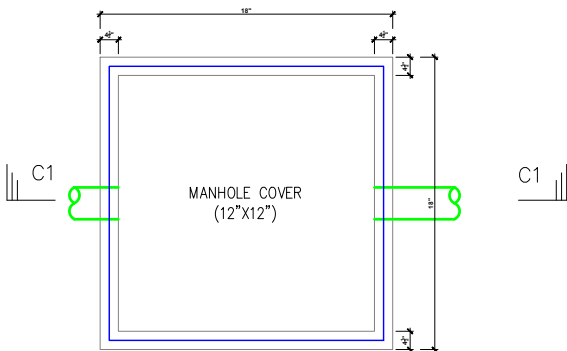
TYPICAL GREASE TRAP PLAN



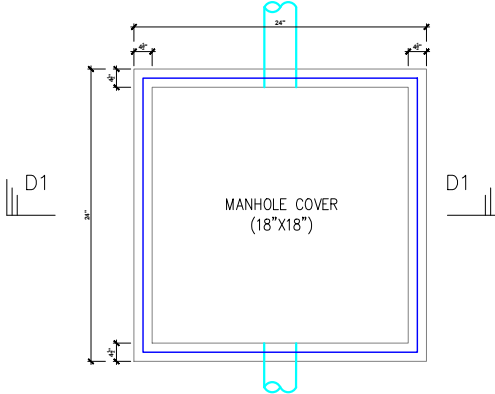
**TYPICAL SEWER MANHOLE PLAN
(UP TO 3' DEPTH)**



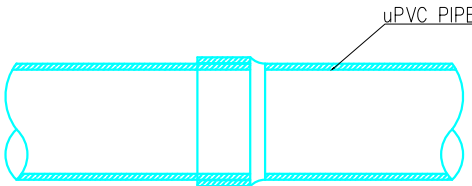
SEPTIC TANK MANHOLE COVER PLAN



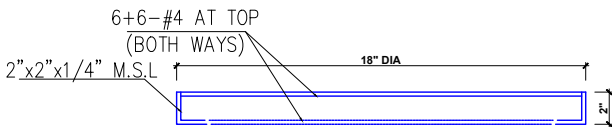
TYPICAL GREASE TRAP PLAN



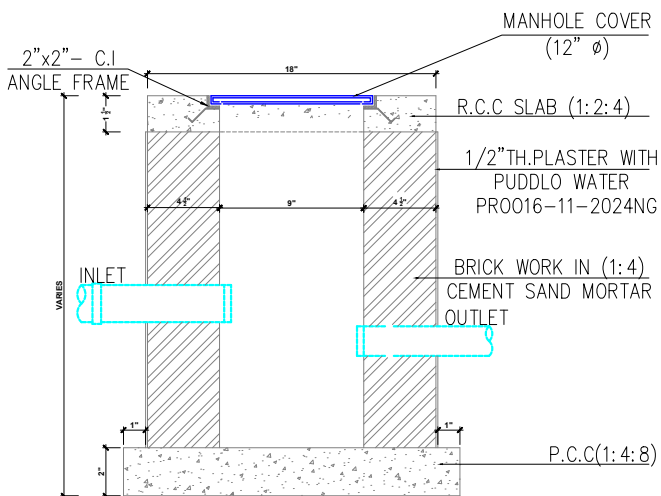
**TYPICAL SEWER MANHOLE PLAN
(UP TO 3' DEPTH)**



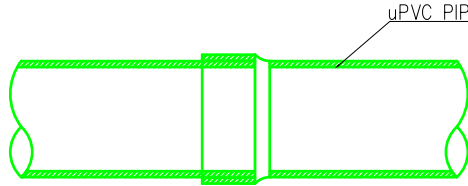
TYPICAL uPVC PIPE JOINTING



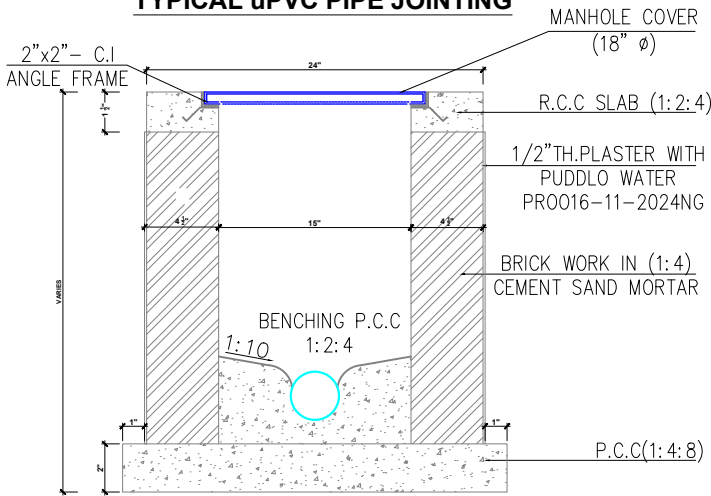
SECTION F-F



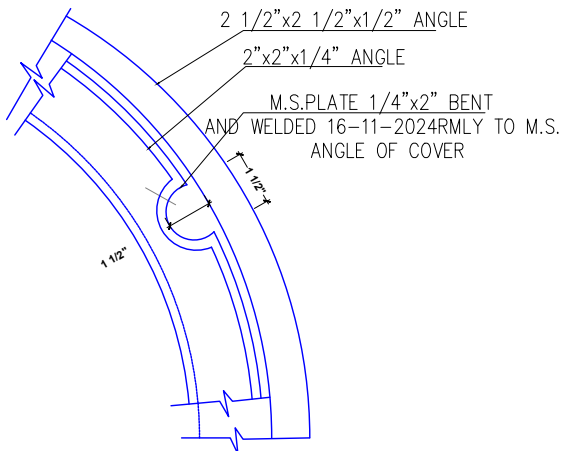
SECTION C-C



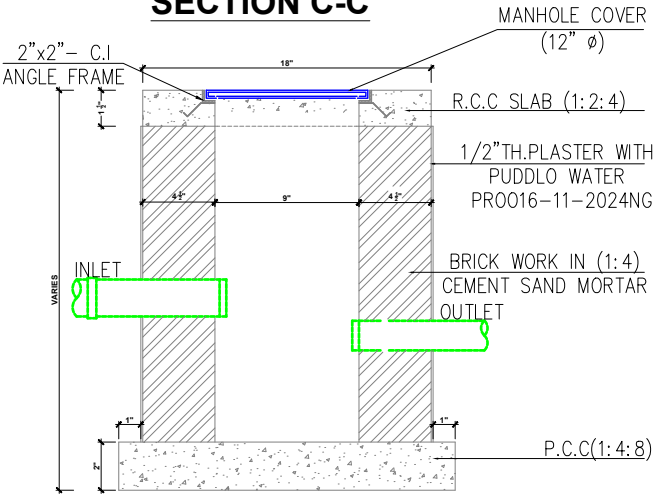
TYPICAL uPVC PIPE JOINTING



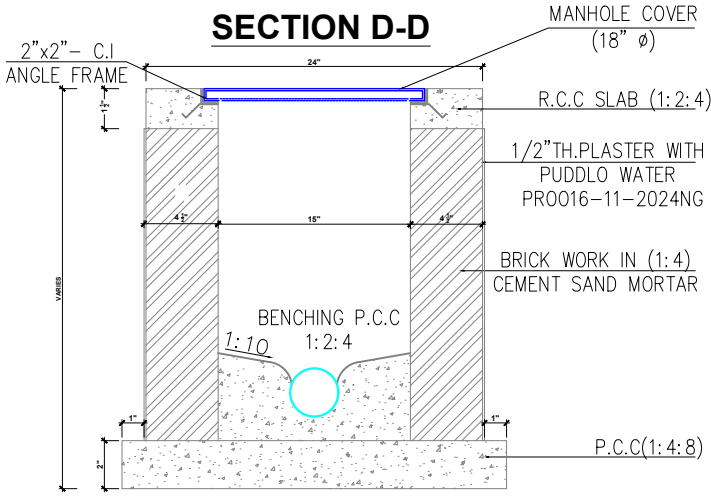
SECTION D-D



DETAIL



SECTION C1-C1



SECTION D1-D1



MEP CONSULTANT:

WAZIR & SONS

+92 3084343942
http://www.wazirandsons.pk
wazirandsonspk@gmail.com
Sector-C Commercial Bahria Town Lahore.



PROJECT NAME:

ABBOTTABAD

OWNED BY:

MR. SADAQAT ALI

DRAWING TITLE:

MATERIAL DETAIL

DRAWING NO:

08

DESIGNED BY:

WAZIR & SONS

DRAW BY:

WAZIR & SONS

SCALE:

NTS

NORTH:



DATE:

16-11-2024

NOTS:

- 1- ALL DIMENSIONS ARE INCH UNLESS OTHERS WISE NOTED.
- 2- CONTRACTOR TO CO-ORDINATE ALL BUILDING SERVICES.



WAZIR & SONS

0308 4343492

Sector-C, Commercial, Bahria
Town, Lahore.

- Earthquake Engineering
- Structural Engineering
- Bridge Engineering

- Costing & Estimation
- Top Supervision
- Construction

STRUCTURAL DRAWINGS

FOR PROPOSED BUILDING AT

MR. SADAQAT PROJECT AT ABBOTTABAD

- **Concrete Structures**

- ✓ Industrial Buildings
- ✓ Residential Buildings
- ✓ Commercial Buildings
- ✓ Water Retaining Structures

- **Steel Structures**

- ✓ Warehouses
- ✓ Industrial Structures
- ✓ Water Retaining Structures
- ✓ Chimneys, Silos & much more

- **Why Choose ICE**

- ✓ Client Oriented
- ✓ Quality Ensured
- ✓ Economical Design
- ✓ American Codes Based Design

GENERAL

- 1- ALL STRUCTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH THE RELEVANT CLIENT URAL DRAWINGS.
- 2- ALL DIMENSIONS AND LEVELS ARE IN FEET & INCHES UNLESS NOTED OTHERWISE.
- 3- NO DIMENSION IS TO BE SCALED FROM THE DRAWINGS AND THE CONTRACTOR IS TO RECHECK ALL THE DIMENSIONS BEFORE START OF THE WORKS.
- 4- PROJECT SPECIFICATIONS, BOQ DESCRIPTION WILL GOVERN EXCEPT AS NOTED ON THE DRAWINGS.
- 5- ALL FOUNDATIONS BLINDING CONC. SHALL BE PLACED ONTO FIRM UNDISTURBED SOIL.
- 6- ALL EARTH SURFACES AGAINST WHICH CONCRETE IS TO BE POURED SHALL BE CLEAN AND FREE OF ANY DETRIMENTAL IMPURITIES, ORGANIC MATTER OR UNSUITABLE MATERIAL.
- 7- ALL EXCAVATED AREA MUST BE PROOF ROLLED BEFORE BLINDING CONCRETE POURING.
- 8- CONCRETING SHOULD NOT BE DONE IN STANDING WATER.
- 9- FOUNDATIONS SHOULD BE BACK FILLED BY APPROVED MATERIAL COMPACTED IN LAYERS OF 9" LOOSE THICKNESS.
- 10- FOUNDATIONS DESIGN IS BASED ON ASSUMED SOIL BEARING PRESSURE OF 0.75 TONS PER SQUARE FOOT.

REINFORCEMENT

- 1- ALL REINFORCEMENT SHALL BE GRADE 60, DEFOMED STEEL AS PER ASTM A615
- 2- CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS (THE DIMENSIONS INDICATE THE CLEAR DISTANCE FROM THE EDGE OF THE SECONDARY REINFORCEMENT (TIES OR STIRRUPS) TO THE CONCRETE SURFACE)

(i) FOUNDATIONS3 INCH

(ii) FOOTING BEAMS2 INCH

(iii) COLUMNS1½" INCH

(iv) BEAMS IN SUPER STRUCTURE1½" INCH

(v) SLABS IN SUPER STRUCTURE3/4 INCH

(vi) WALLS

(a) OUTER FACE OF RETAINING WALLS2 INCH
- 3- FOR BAR LAP LENGTHS REFER TO TABLE 1.
- 4- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIX ALL EMBEDDED ITEMS PRIOR TO START OF R.C.C. WORK.
- 5- PROVIDE #3 BARS @12" C/C FOR BINDING ALL TOP STEEL OF SLAB.

CONCRETE

- 1- REINFORCED CONCRETE MATERIALS SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED ON THE DRAWING:-

(i) CEMENT FOR FOUNDATIONS & PLINTH BEAMS SHALL CONFORM TO ASTM C-150 TYPE-1 (ORDINARY PORTLAND CEMENT)

(ii) CEMENT FOR SUPERSTRUCTURE SHALL CONFORM TO ASTM C-150 TYPE-1 (ORDINARY PORTLAND CEMENT)

(iii) AGGREGATE SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR CONCRETE AGGREGATE ASTM C33"

(iv) WATER SHALL BE FREE FROM OIL OR OTHER MATERIALS THAT CAN ADVERSELY AFFECT CONCRETE STRENGTH OR DURABILITY
- 2- ALL CONCRETE EXPOSED SURFACES SHALL HAVE FAIR FACE FINISH. ALL CONCRETE SURFACES BURIED INTO GROUND MAY HAVE ORDINARY FINISH.
- 3- CONCRETE SHALL HAVE THE FOLLOWING 28 DAYS COMPRESSIVE CYLINDER STRENGTH AND SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI- 318-2002 (CUBE STRENGTH IN BRACKETS)

(i) PLAIN CEMENT CONCRETE (BLINDING CONCRETE 1:4:8) 800 psi (1000 psi)

(ii) REINFORCED CONCRETE 1:2:4 (FOOTINGS, SLABS, BEAMS ETC.) 2500 psi (3000 psi)

MASONRY

- 1- ALL BRICK WORK SHALL BE FIRST CLASS SOLID BURNT BRICK MASONRY LAID IN THE FOLLOWING CEMENT-SAND MORTAR RATIOS.

(i) BRICK WORKING IN FOUNDATION 1:6

(ii) IN SUPER STRUCTURE FOR 9" & 13½" BRICK WORK 1:6

(iii) IN SUPER STRUCTURE FOR 4½" AND LESS. BRICK WORK 1:4
- 2- ALL HORIZONTAL D.P.C SHALL BE 1½" THICK 1:2:4 P.C.C
- 3- ALL VERTICAL D.P.C SHALL BE 3/4" THICK 1:4 CEMENT-SAND MORTAR
- 4- 1/4" THICK,1:3 CEMENT-SAND PLASTER SHALL BE PROVIDED ON SOFFITS OF CEILING, CANTILEVER SLABS, SIDES & SOFFITS OF BEAM.
- 5- 1/2" THICK,1:5 CEMENT-SAND PLASTER SHALL BE PROVIDED ON ALL INTERNAL FACES OF MASONRY AND COLUMNS.
- 6- ALL EXTERNAL BRICK COLUMNS & EXTERNAL FACES OF MASONRY SHALL RECIEVE DEEP RULED POINTING IN 1:3 CEMENT-SAND MORTAR

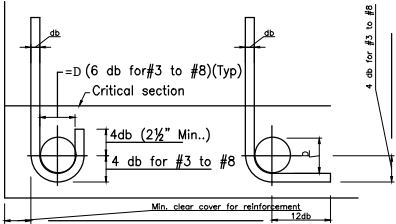
ABBREVIATIONS

GENERAL				REINFORCEMENT		CONCRETE	
⊙	AT	⊙	AT	⊙	AT	⊙	AT
ARCH	ARCHIECHTURAL	——	TOP BARS	B	BEAM		
BOQ	BILL OF QUANTITIES	——	BOTTOM BARS	BOF	BOTTOM OF FOOTING		
C/C	CENTER TO CENTER	AB	ALTERNATE BARS	BOR	BOTTOM OF RAFT		
CHQ	CHEQUERED	ADD	ADDITIONAL	BOTT	BOTTOM		
CL	CENTER LINE	BF	BOTTOM FACE	C	COLUMN		
DIA	DIAMETER	CONT	CONTINUOUS	CJ	CONSTRUCTION JOINT		
D.P.C	DAMP PROOF COURSE			CONC	CONCRETE		
DRG	DRAWING	DIR	DIRECTION	EJ	EXPANSION JOINT		
EL	ELEVATION	DISTR	DISTRIBUTION	F	FOOTING		
ELEC	ELECTRICAL	DWLS	DOWELS	FB	FLOOR BEAM		
EQ	EQUAL	EF	EACH FACE	fc'	CYLINDER COMP. STRENGTH		
FFL	FINISHED FLOOR LEVEL	EL	EACH LAYER	GB	GRADE BEAM		
FGL	FINISHED GRADE LEVEL	FF	FAR FACE	P.C.C.	PLAIN CEMENT CONCRETE		
FIG	FIGURE	fy	YEILD STRENGTH OF STEEL	PC	PRECAST CONCRETE		
ft	FEET	IF	INNER FACE	R.C.C.	REINFORCED CEMENT CONCRETE		
GL	GROUND LEVEL	IL	INSIDE LAYER	RW	RETAINING WALL		
HEX	HEXAGONAL	MS	MILD STEEL	SSL	STRUCTURAL SLAB LEVEL		
ID	INNER DIAMETER	NF	NEAR FACE	TL	TOP LEVEL		
in	INCH	∅	REINFORCEMENT BAR DIAMETER	TOB	TOP OF BEAM		
Kg	KILOGRAM	OF	OUTER FACE	TOC	TOP OF CONCRETE		
M	METER	OL	OUT SIDE LAYER	U.R.C.	UNREINFORCED CONCRETE		
MAX	MAXIMUM	REBAR	REINFORCING BAR	W	WALL		
MECH	MECHANICAL	REINF	REINFORCEMENT	WF	WALL FOOTING		
MH	MANHOLE	STR	STIRRUPS				
MIN	MINIMUM	TF	TOP FACE				
mm	MILLIMETER	WWF	WELDED WIRE FABRIC				
NOM	NOMINAL						
NTS	NOT TO SCALE						
OC	ON CENTER						
OCT	OCTAGONAL						
OD	OUTER DIAMETER						
PROJ	PROJECTION						
QTY	QUANTITY						
R	RADIUS						
REQ	REQUIRED						
SECT	SECTION						
SL	SECTION LINE						
SPA	SPACING						
SQ	SQUARE						
SYM	SYMMETRICAL						
TEMP	TEMPERATURE						
THK	THICK						
TYP	TYPICAL						
VAR	VARIABLE, VARIES						
WL	WATER LEVEL						

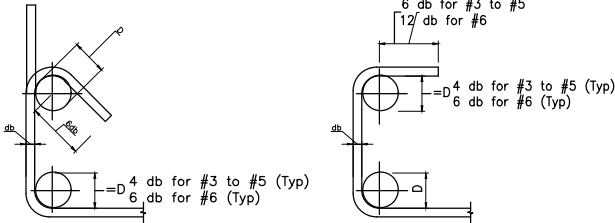
TABLE 1

BARS LAP LENGTHS

BAR USE	LAP LENGTHS
#3	18"
#4	2'-0"
#6	3'-3"
#8	4'-6"



END HOOK



STIRRUP 135° HOOK

STIRRUP 90° HOOK

NOTE:

- 1-THE FORM-WORK AND SHUTTERING SHALL BE DESIGNED BY THE CONTRACTOR AND VERIFIED BY THE SITE ENGINEER BEFORE CONCRETE POURING.
- 2-NO CONCRETE SHOULD BE POURED WITHOUT THE INSPECTION AND WRITTEN PERMISSION OF STRUCTURAL ENGINEER IS OBTAINED.
- 3-CONCRETE 28 DAYS COMPRESSIVE CYLINDER STRENGTH SHOULD BE (PLAIN CEMENT CONCRETE, BLINDING CONCRETE) 1:4:8 800 - 1000 PSI, REINFORCED CONCRETE (FOOTINGS, SLABS, BEAMS, RETAINING WALLS) 1:2:4, 3000 PSI, COLUMN 1:1.5:3 4000 PSI. PLASTICIZER MAY BE USED WITH W/C RATIO OF 0.35 TO ACHIEVE DESIRED STRENGTH.
- 6-ALL REINFORCEMENT SHALL BE GRADE 60, DEFORMED STEEL AS PER ASTM A615.
- 7-FAILURE TO FOLLOW AND IMPLEMENT DRAWINGS IN THE FIELD IS NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.

LIST OF DRAWINGS	
S-00	GENERAL NOTES
S-01	FOOTING PLAN
S-02	WALL FOOTING SECTIONS
S-03	COLUMN FOOTING SECTIONS
S-04	LINTEL & SECTIONS DETAILS
S-05	STAIR CASE DETAIL
S-06	GROUND FLOOR SLAB
S-07	FIRST FLOOR SLAB
S-08	2ND FLOOR SLAB
S-09	BEAM SECTIONS
S-10	BEAM TYPICAL STEEL FIXING DETAILS

LIST OF DRAWINGS	
S-OHWT	OVER HEAD WATER TANK DETAILS
S-UGWT	UNDER GROUND WATER TANK DETAILS
S-SPT	SEPTIC TANK DETAILS

LEGEND

- RCC BEAM
- SLAB BOTTOM STEEL
- SLAB TOP STEEL

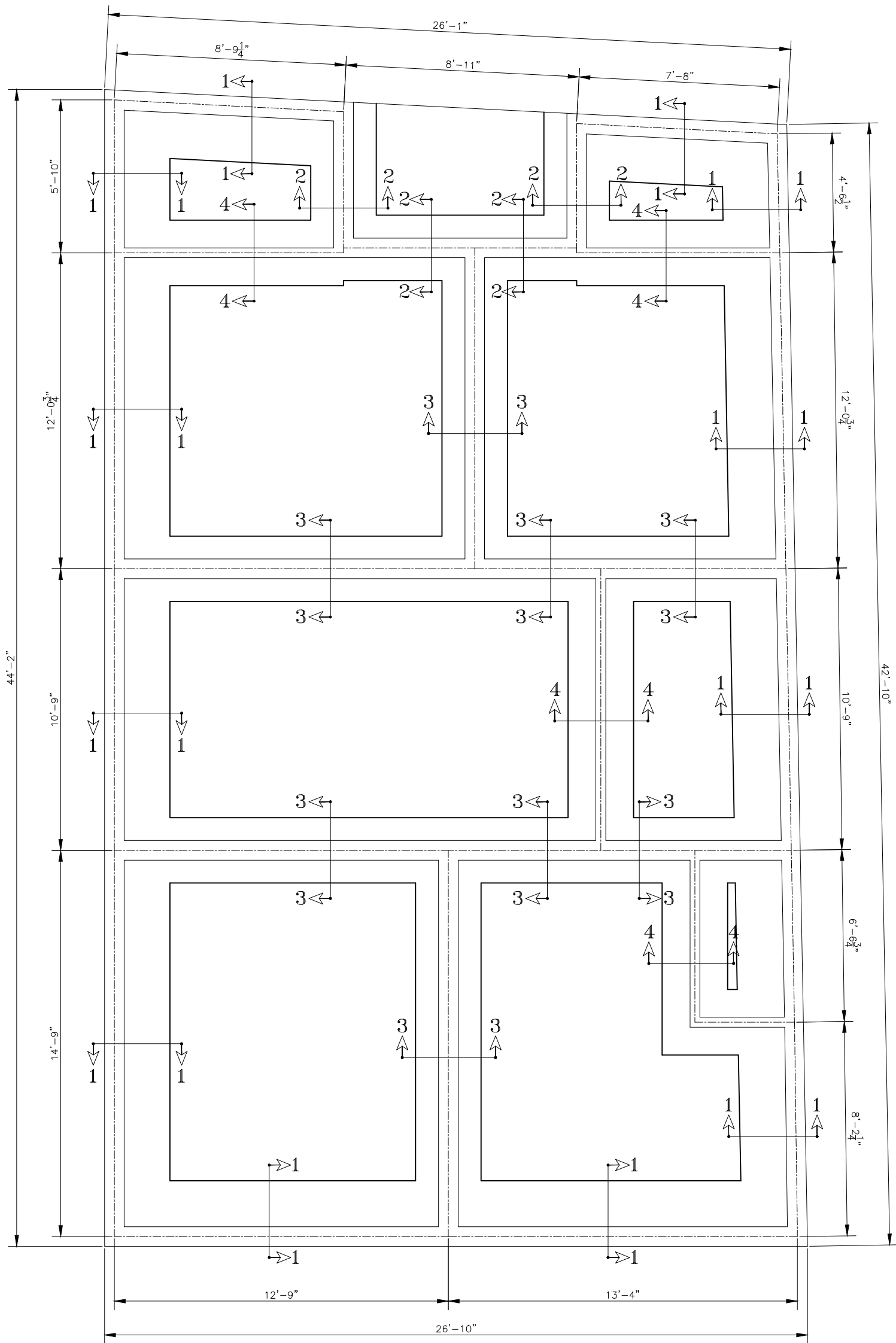
ENGINEERING CONSULTANT



WAZIR & SONS
0308 4343492
Sector-C, Commercial, Bahria Town,Lahore.

S-00

GENERAL NOTES



SHORT NOTES:

- * STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- * CONCRETE: (1:2:4) f_y/ 3,000 PSI FOR SLAB & BEAMS.
- * REFER TO S-00 FOR GENERAL NOTES.
- * REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- * IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

PROJECT

AT ABBOTTABAD

CLIENT

Mr. SADAQAT ALI

ENGINEERING CONSULTANT



WAZIR & SONS
0308 4343492
Sector-C, Commercial, Bahria
Town, Lahore.

DRAWING

Ground Floor
Foundation Plan

PROJECT NUMBER

3324-0712

DATE

28-11-2024

DESIGNED BY

Engr.M.Usman
CIVIL

CHECKED BY

Wazir & Sons

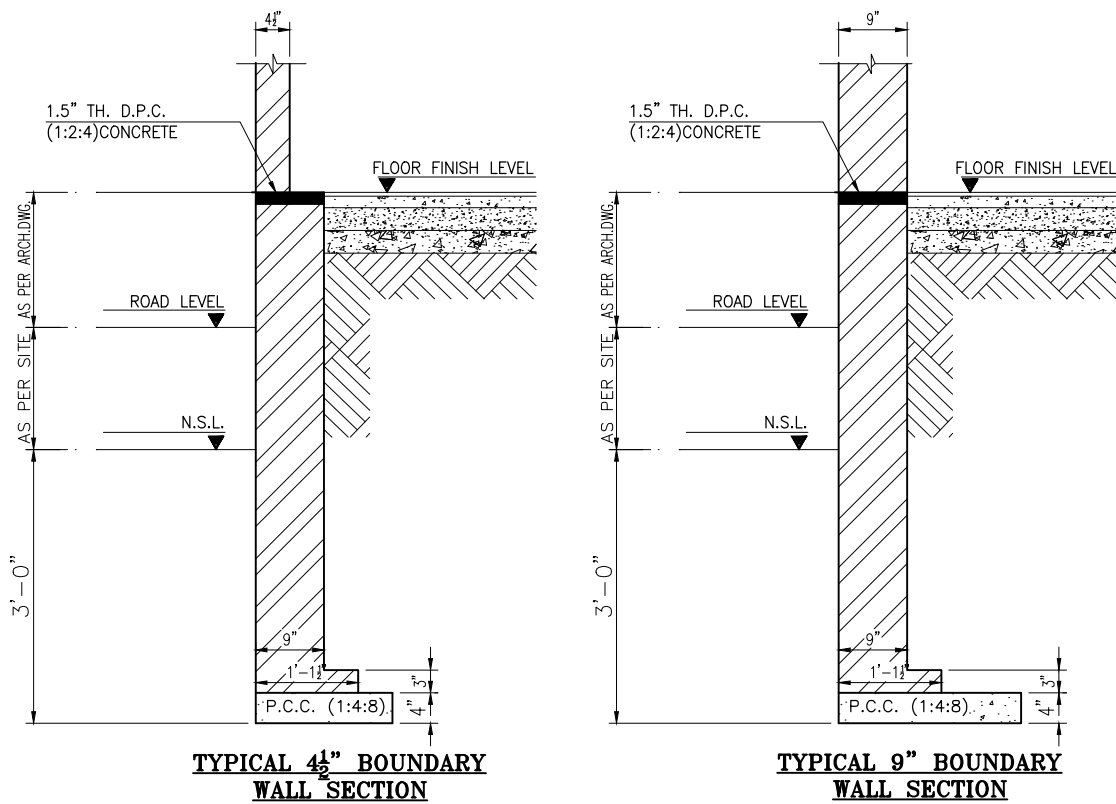
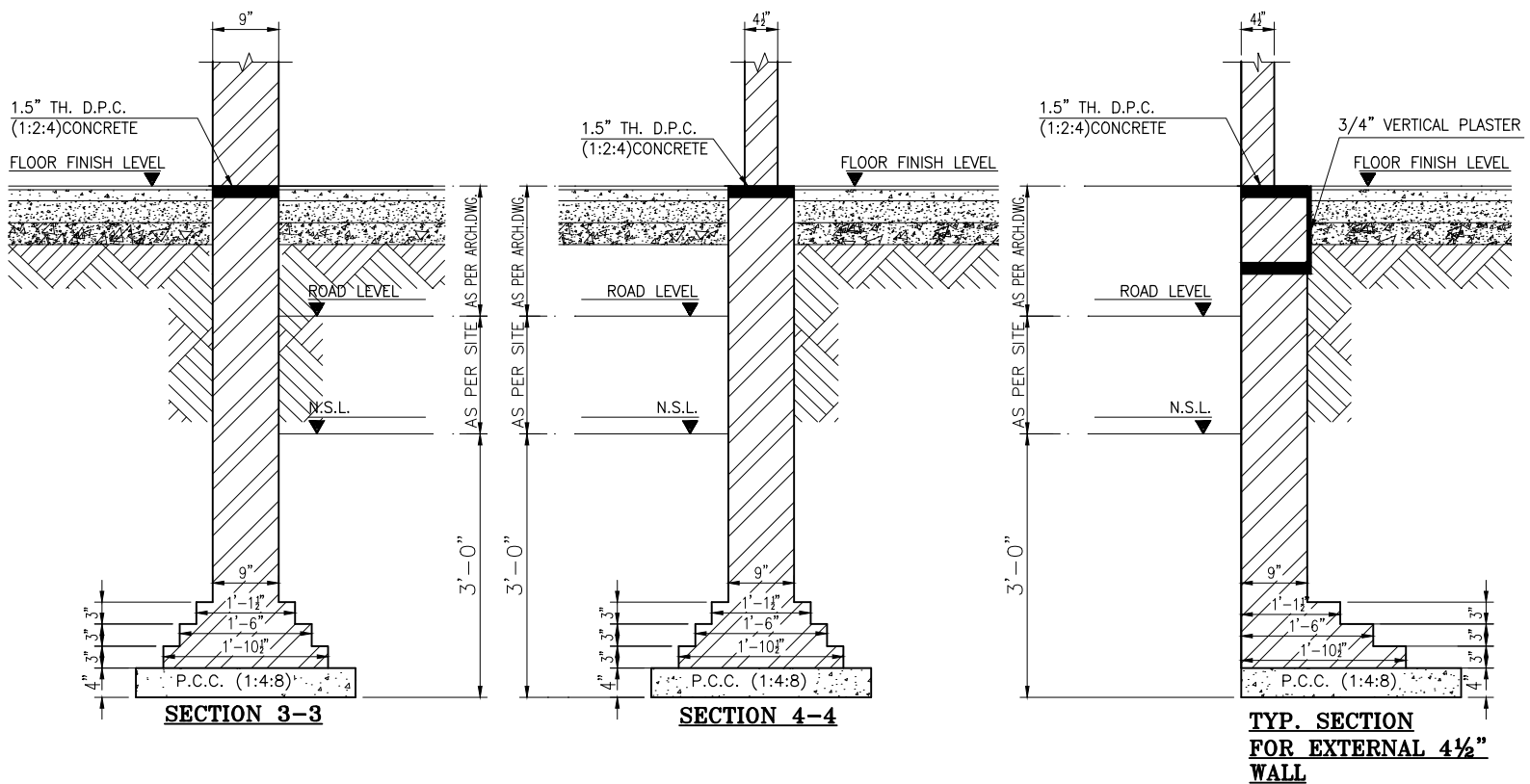
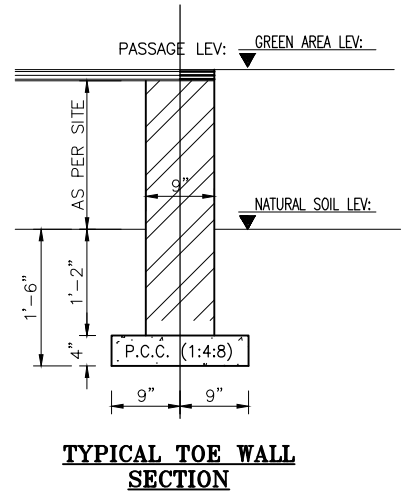
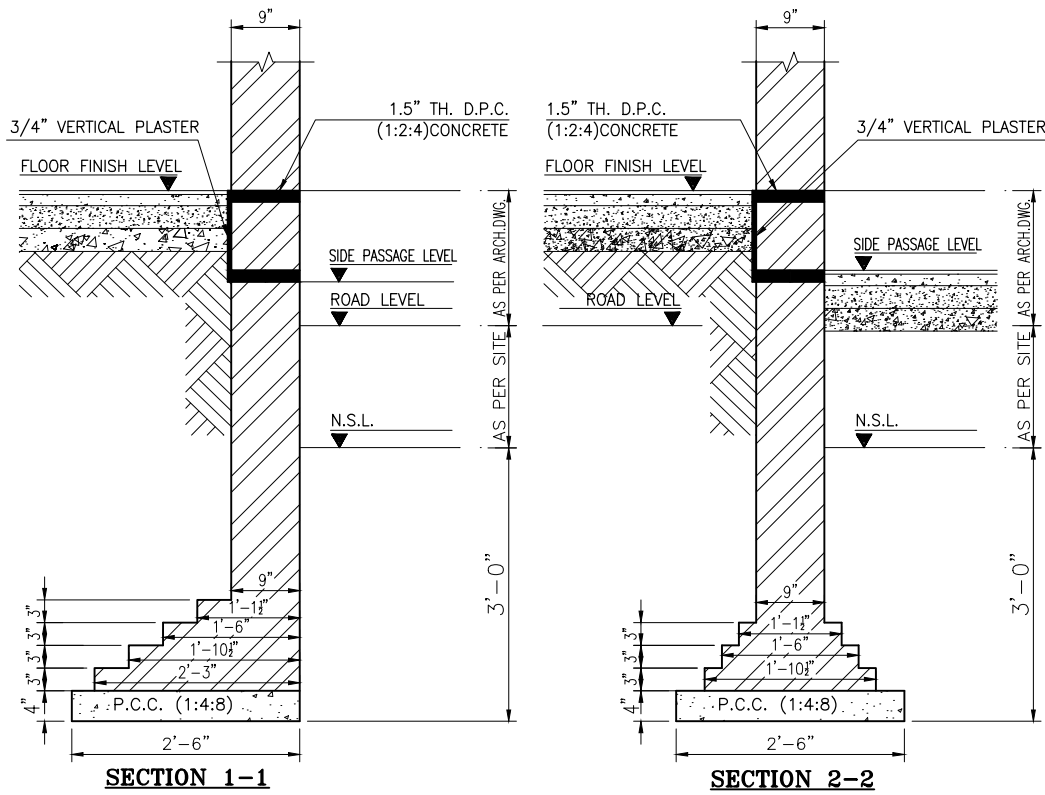
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SCALE

NTS

DRAWING STATUS

ISSUED FOR CONSTRUCTION



SHORT NOTES:

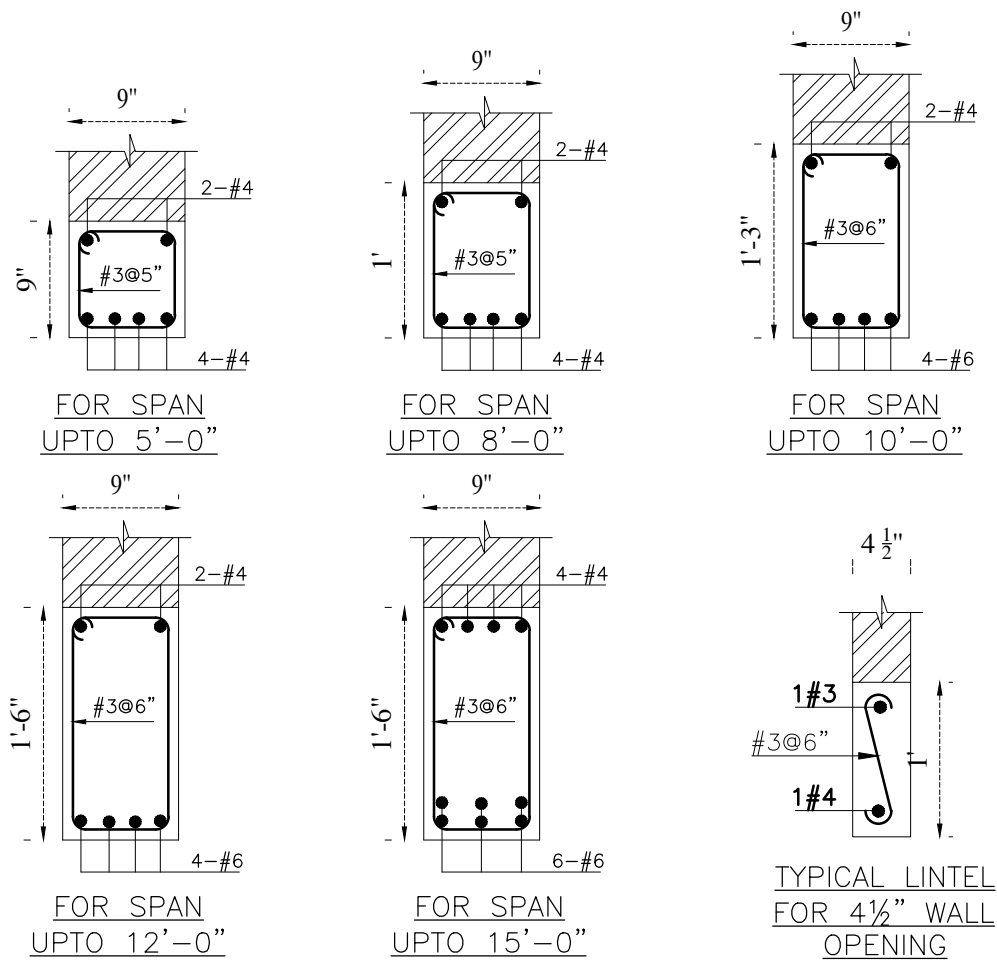
- * STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- * CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- * REFER TO S-00 FOR GENERAL NOTES.
- * REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- * IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

PROJECT	AT ABBOTTABAD
DRAWING	<div> <div></div> <div>Ground Floor</div> <div>Wall Footing Sections</div> </div>

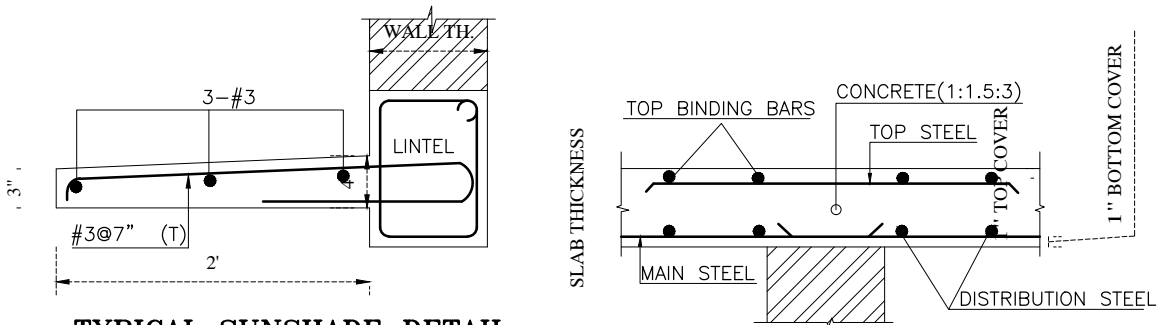
CLIENT	Mr. SADAQAT ALI
PROJECT NUMBER	3324-0712
DATE	28-11-2024
DESIGNED BY	Engr.M.Usman CIVIL
CHECKED BY	Wazir & Sons

ENGINEERING CONSULTANT	<div> <div> <div> WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town, Lahore. </div> </div> </div>
S-02	
SCALE	NTS
DRAWING STATUS	ISSUED FOR CONSTRUCTION

LINTEL SCHEDULE

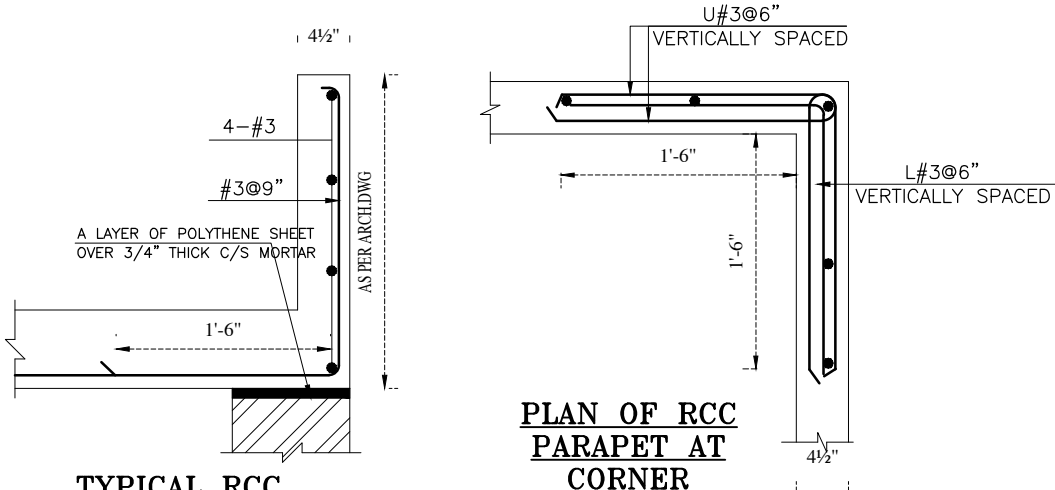


TYPICAL REINFORCEMENT DETAILS



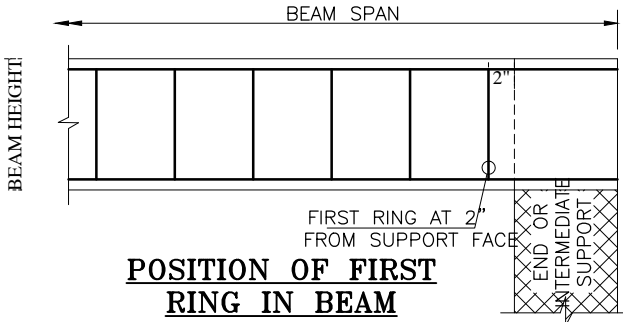
TYPICAL SUNSHADE DETAIL

SLAB SECTION FOR CONCRETE COVER



TYPICAL RCC PARAPET DETAIL

PLAN OF RCC PARAPET AT CORNER
(PROVIDE EXPANSION JOINT AFTER 30' IN PLAN)



POSITION OF FIRST RING IN BEAM

SHORT NOTES:

- * STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- * CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- * REFER TO S-00 FOR GENERAL NOTES.
- * REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- * IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

PROJECT	AT ABBOTTABAD
DRAWING	Lintel & Typical Sections Details

CLIENT	Mr. SADAQAT ALI
PROJECT NUMBER	3324-0712
DATE	28-11-2024
DESIGNED BY	Engr.M.Usman CIVIL
CHECKED BY	Wazir & Sons


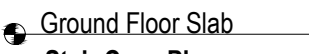
ENGINEERING CONSULTANT	WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town,Lahore.
S-03	
SCALE	NTS
DRAWING STATUS	ISSUED FOR CONSTRUCTION

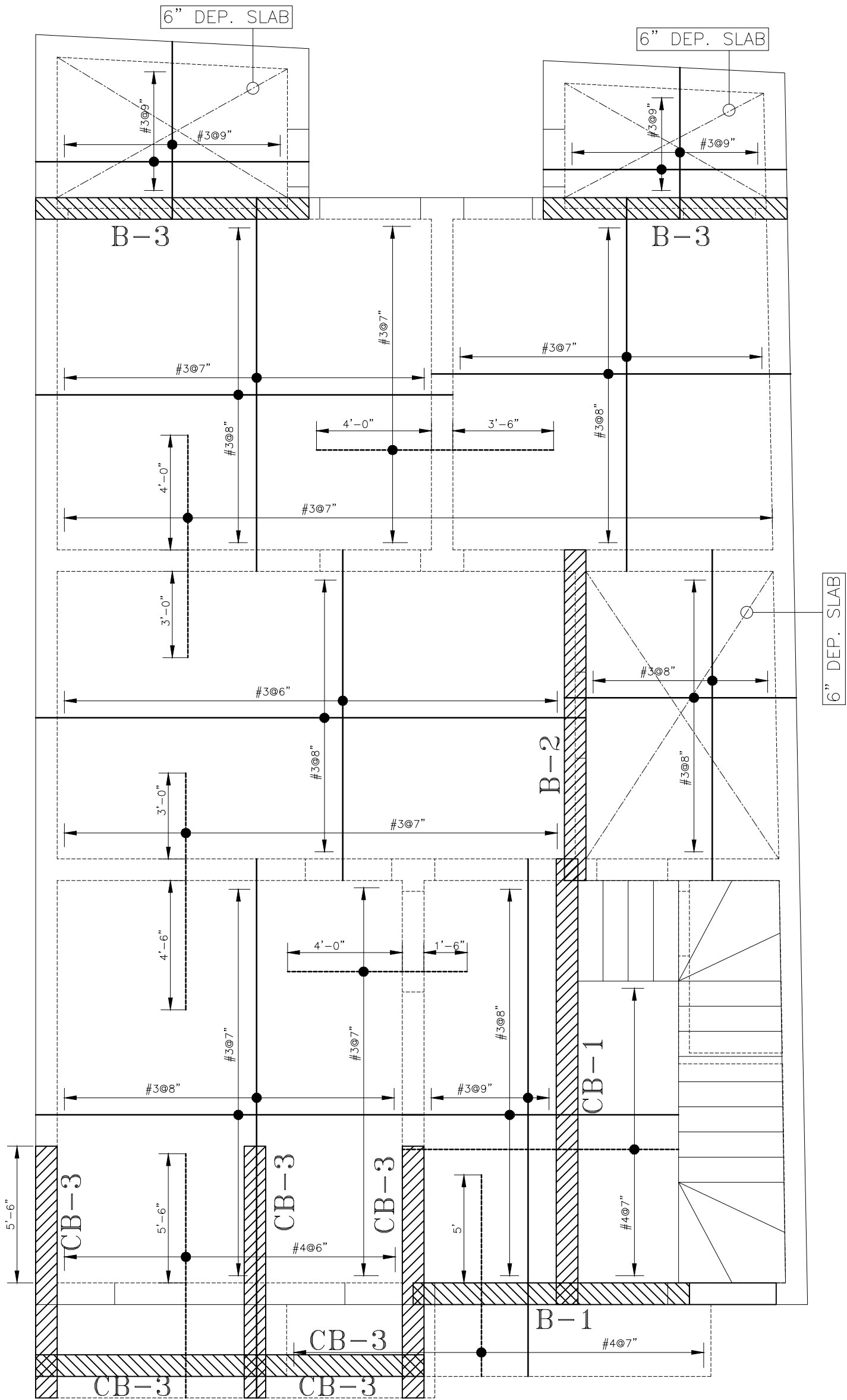


SEE STAIR WIDTH, RISER & TREAD DIMENSIONS IN ARCHITECTURAL DRAWINGS



ALL 4 1/2" WALLS ARE NON LOAD BEARING.(except washrooms framing)
keep 4 1/2" walls 2 ft below at the time of shuttering.

<div>SHORT NOTES:</div> <div><ul style="list-style-type: none">* STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.* CONCRETE: (1:2:4) fu' 3,000 PSI FOR SLAB & BEAMS.* REFER TO S-00 FOR GENERAL NOTES.* REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.* IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.</div>		PROJECT	CLIENT		ENGINEERING CONSULTANT	
		AT ABBOTTABAD	Mr. SADAQAT ALI			WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town,Lahore.
		DRAWING	PROJECT NUMBER	3324-0712	S-04	
			DATE	28-11-2024		
			DESIGNED BY	Engr.M.Usman CIVIL	SCALE	NTS
			CHECKED BY	Wazir & Sons	DRAWING STATUS	ISSUED FOR CONSTRUCTION




NOTE:

ALL 4 1/2" WALLS ARE NON LOAD BEARING. (except washrooms framing)
keep 4 1/2" walls 2 ft below at the time of shuttering.

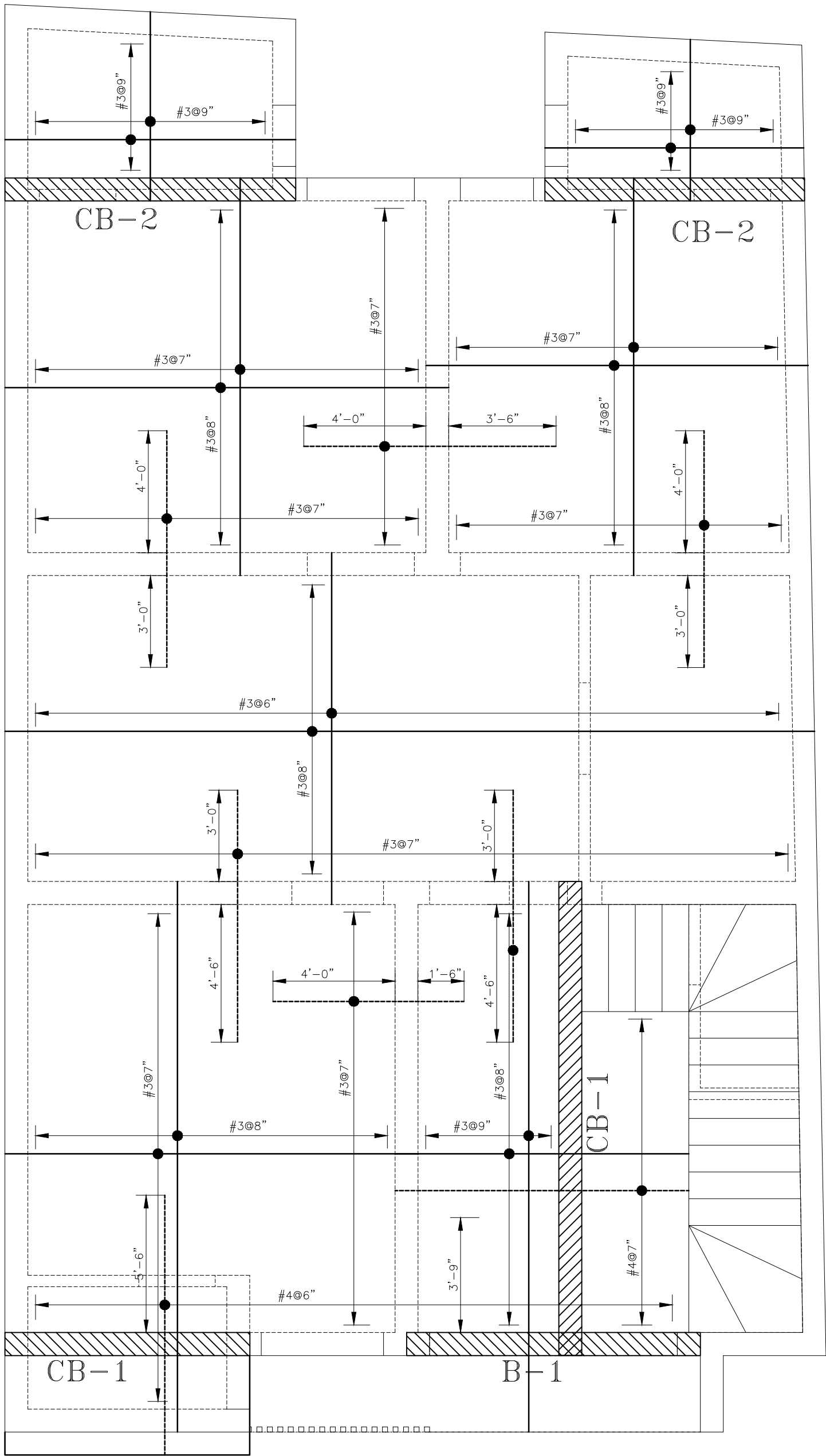
SHORT NOTES:

- STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- REFER TO S-00 FOR GENERAL NOTES.
- REFER TO CLIENT URAI DRAWINGS FOR DIMENSIONS.
- IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

PROJECT
AT ABBOTTABAD
DRAWING
 G.F Slab FRAMING & DETAILING

CLIENT
Mr. SADAQAT ALI
PROJECT NUMBER
3324-0712
DATE
28-11-2024
DESIGNED BY
Engr.M.Usman CIVIL
CHECKED BY
Wazir & Sons

ENGINEERING CONSULTANT	
	WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town,Lahore.
S-05	
SCALE	NTS
DRAWING STATUS	ISSUED FOR CONSTRUCTION



NOTE:

ALL 4 1/2" WALLS ARE NON LOAD BEARING. (except washrooms framing)
keep 4 1/2" walls 2 ft below at the time of shuttering.

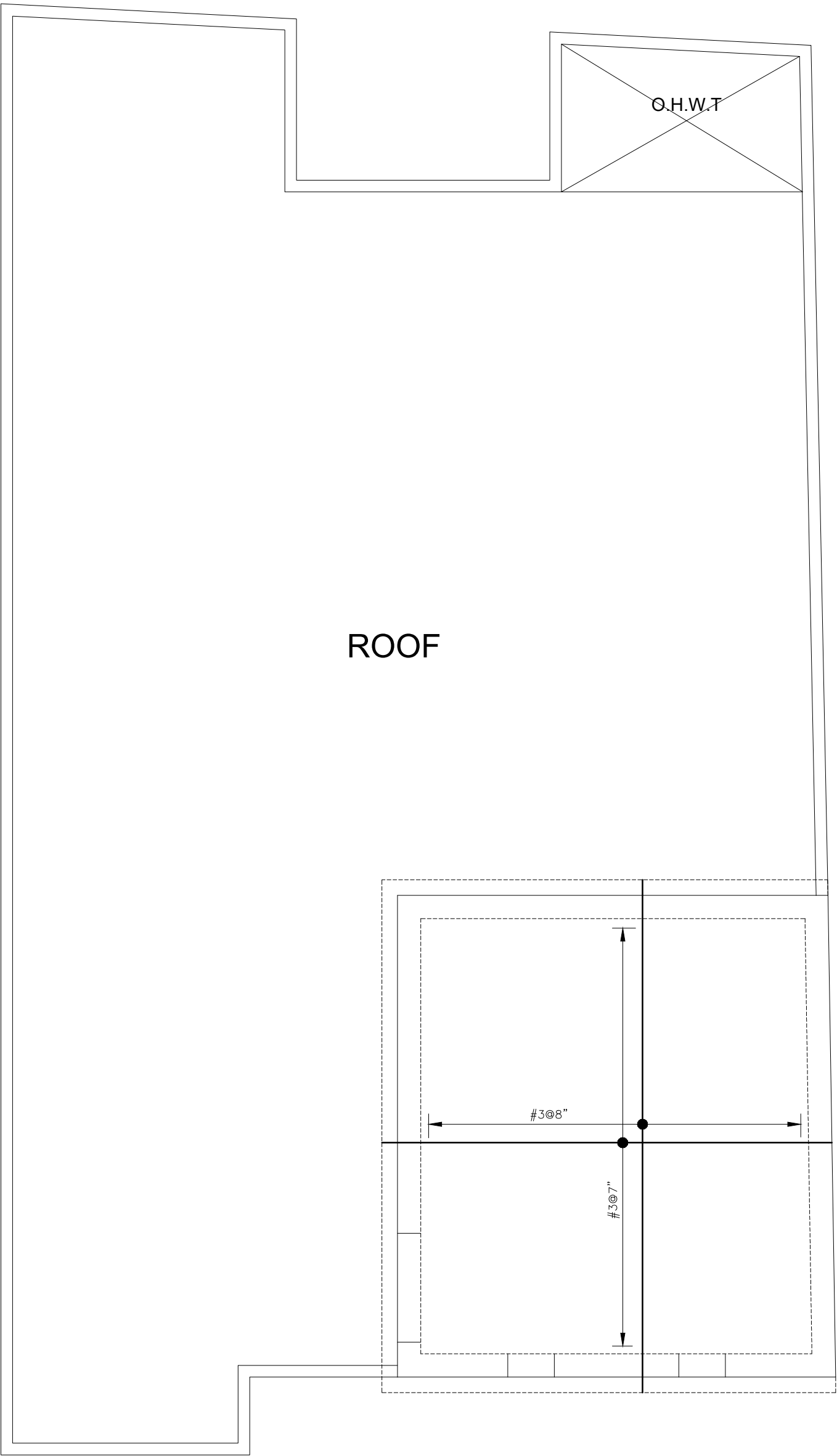
SHORT NOTES:

- * STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- * CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- * REFER TO S-00 FOR GENERAL NOTES.
- * REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- * IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

PROJECT
AT ABBOTTABAD
DRAWING
First Floor Slab FRAMING & DETAILING

CLIENT
Mr. SADAQAT ALI
PROJECT NUMBER
3324-0712
DATE
28-11-2024
DESIGNED BY
Engr.M.Usman CIVIL
CHECKED BY
Wazir & Sons

ENGINEERING CONSULTANT
 WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town,Lahore.
S-06
SCALE
NTS
DRAWING STATUS
ISSUED FOR CONSTRUCTION



NOTE:

ALL 4 1/2" WALLS ARE NON LOAD BEARING. (except washrooms framing)
keep 4 1/2" walls 2 ft below at the time of shuttering.

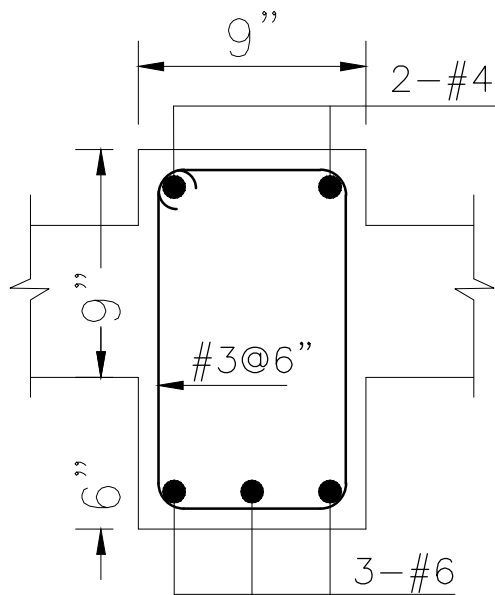
SHORT NOTES:

- STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- REFER TO S-00 FOR GENERAL NOTES.
- REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

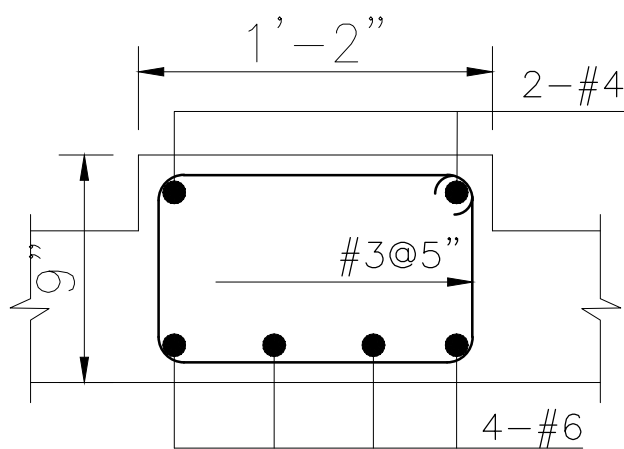
PROJECT
AT ABBOTTABAD
DRAWING
<div><div></div><div>Mumty Floor Slab</div></div> <div>FRAMING & DETAILING</div>

CLIENT
Mr. SADAQAT ALI
PROJECT NUMBER
3324-0712
DATE
28-11-2024
DESIGNED BY
Engr.M.Usman CIVIL
CHECKED BY
Wazir & Sons

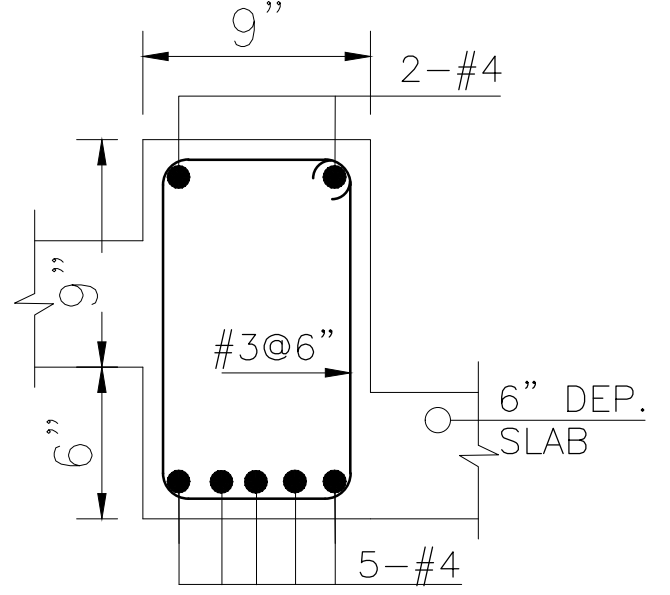
ENGINEERING CONSULTANT
<div><div><div></div><div>WAZIR AND SONS</div></div><div><div>WAZIR & SONS</div><div>0308 4343492</div><div>Sector-C, Commercial, Bahria Town,Lahore.</div></div></div>
S-07
SCALE
NTS
DRAWING STATUS
ISSUED FOR CONSTRUCTION



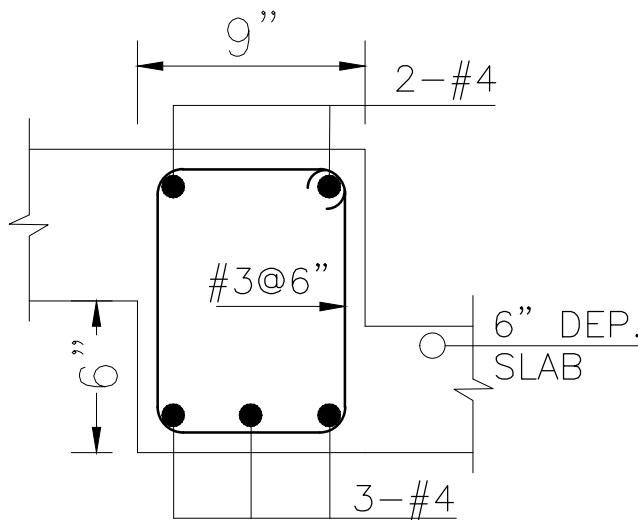
BEAM B-1



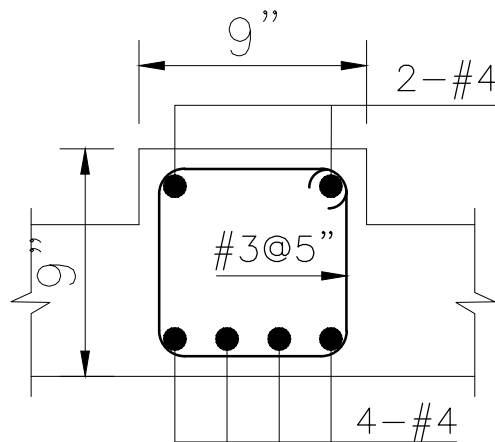
BEAM CB-1



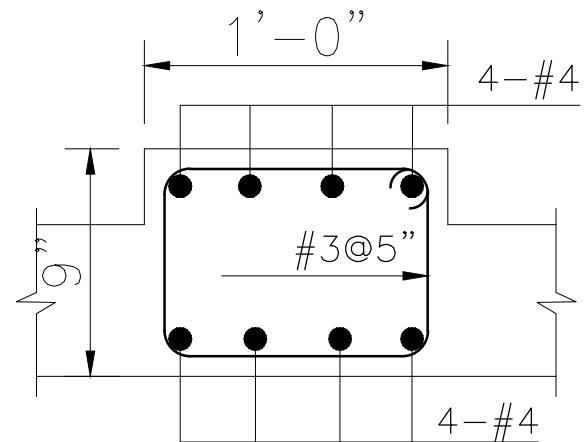
BEAM B-2



BEAM B-3



BEAM CB-1



BEAM CB-3

NOTE:

ALL 4 1/2" WALLS ARE NON LOAD BEARING. (except washrooms framing)
Keep 4 1/2" walls 2 ft below at the time of shuttering.

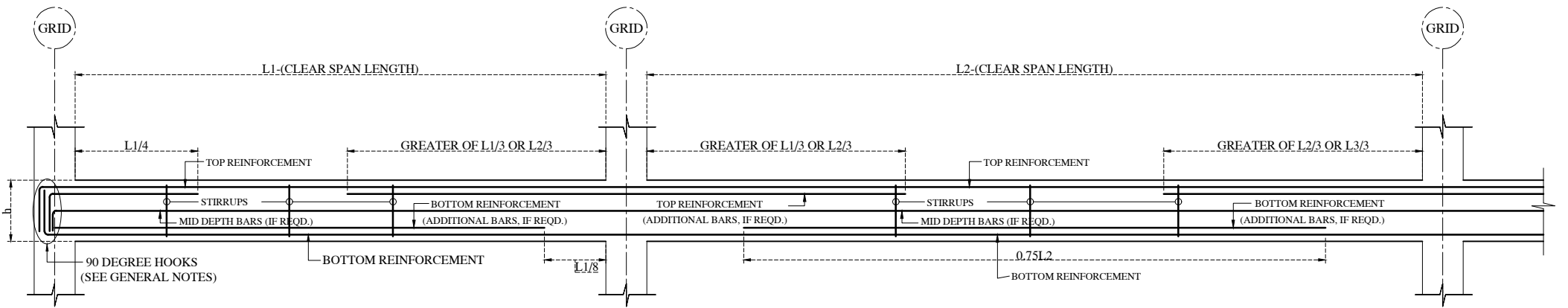
SHORT NOTES:

- * STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- * CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- * REFER TO S-00 FOR GENERAL NOTES.
- * REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- * IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

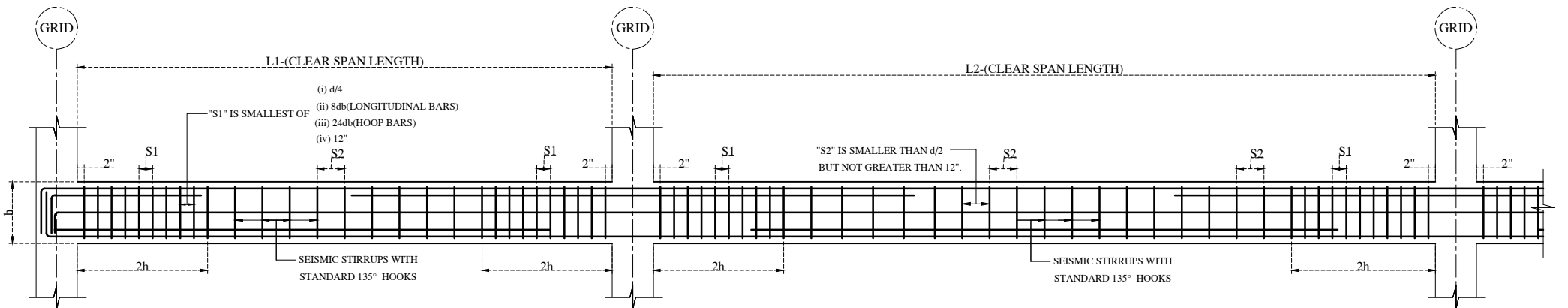
PROJECT	AT ABBOTTABAD
DRAWING	<div> <div></div> <div>Beams</div> <div>Section Plan</div> </div>

CLIENT	Mr. SADAQAT ALI
PROJECT NUMBER	3324-0712
DATE	28-11-2024
DESIGNED BY	Engr.M.Usman CIVIL
CHECKED BY	Wazir & Sons

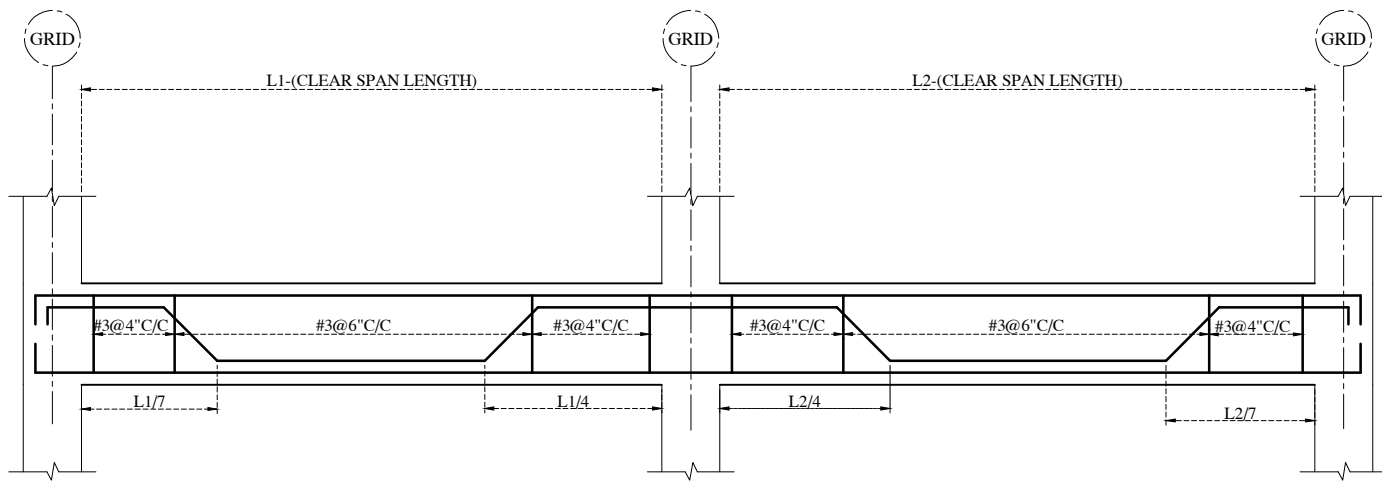
ENGINEERING CONSULTANT	<div> <div> </div> <div> WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town, Lahore. </div> </div>
S-08	
SCALE	NTS
DRAWING STATUS	ISSUED FOR CONSTRUCTION



TYPICAL MAIN BARS ARRANGEMENT IN BEAMS



TYPICAL STIRRUPS ARRANGEMENT IN BEAMS



TYPICAL BENT UP ARRANGEMENTS IN BEAM

NOTE:


ALL 4 1/2" WALLS ARE NON LOAD BEARING. (except washrooms framing)
keep 4 1/2" walls 2 ft below at the time of shuttering.

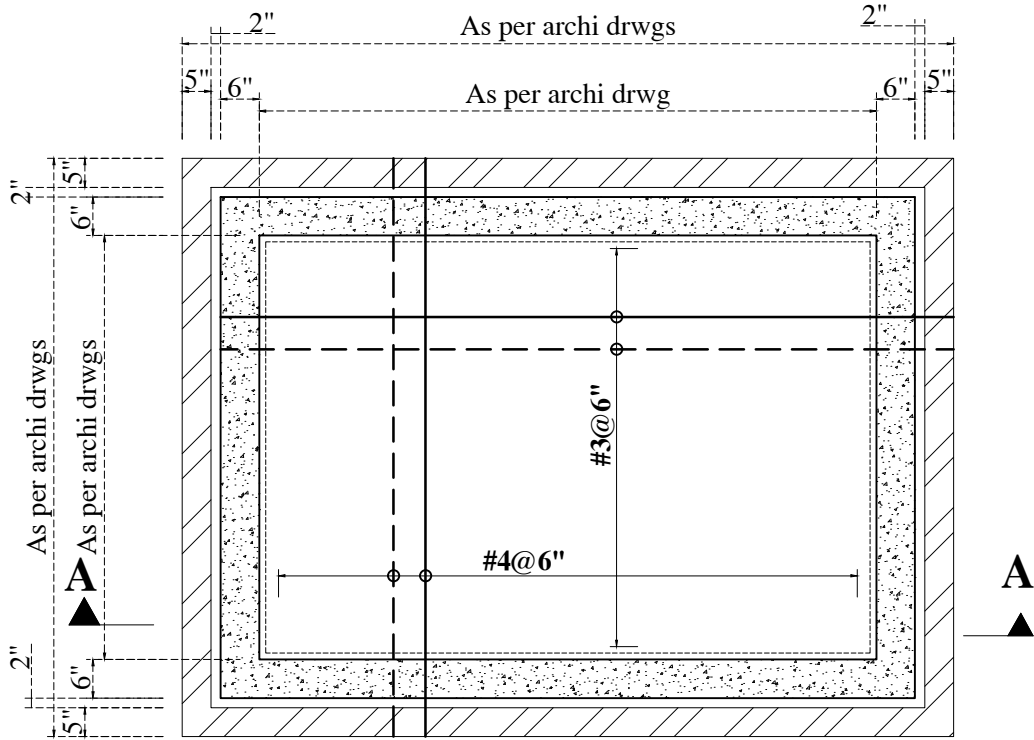
SHORT NOTES:

- * STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- * CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- * REFER TO S-00 FOR GENERAL NOTES.
- * REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- * IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

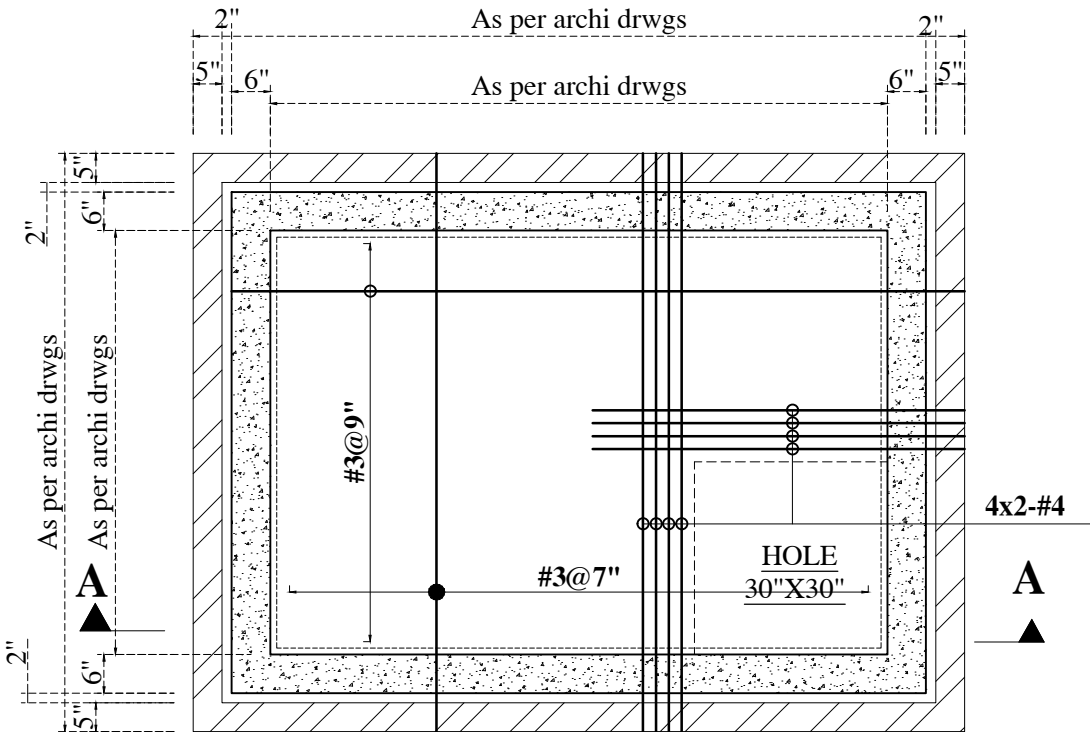
PROJECT
AT ABBOTTABAD
DRAWING
Beams
Typical Steel Fixing Details

CLIENT
Mr. SADAQAT ALI
PROJECT NUMBER
3324-0712
DATE
28-11-2024
DESIGNED BY
Engr.M.Usman CIVIL
CHECKED BY
Wazir & Sons

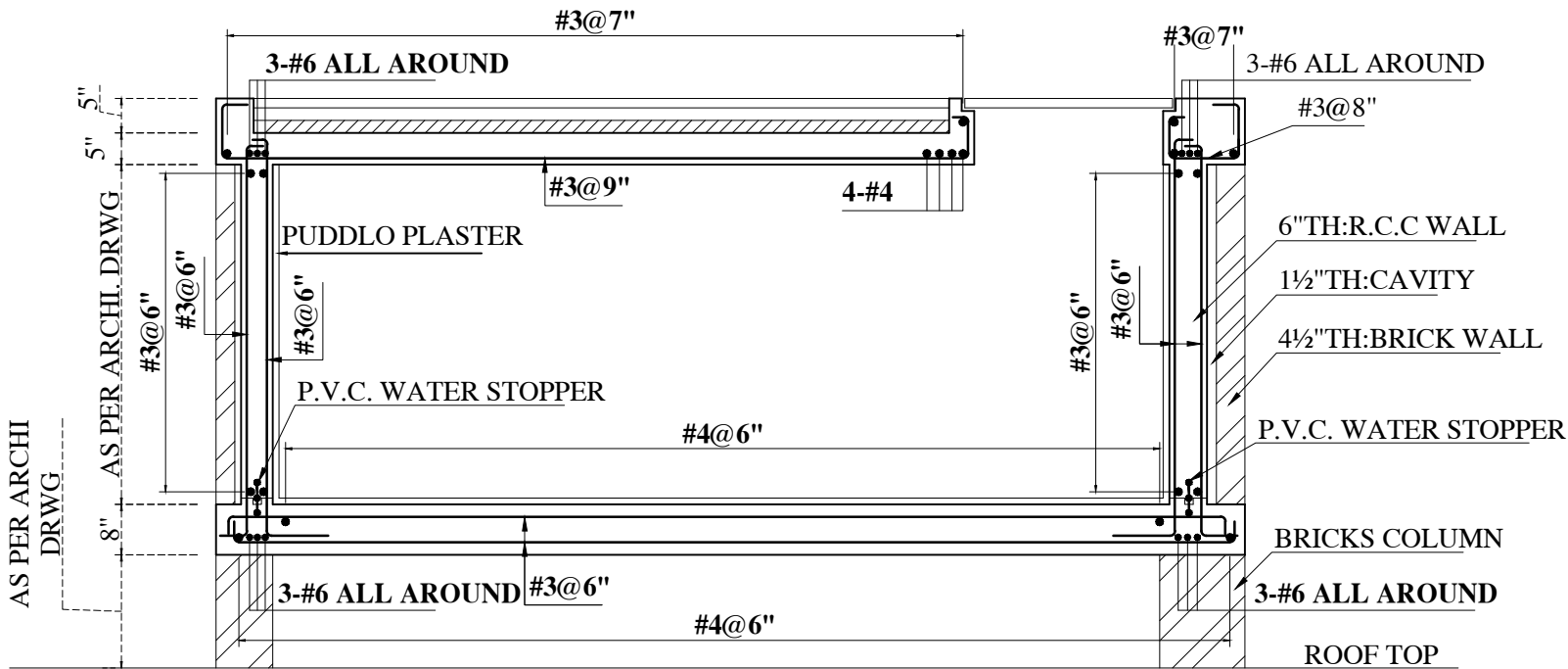
ENGINEERING CONSULTANT
 WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town,Lahore.
S-BR
SCALE
NTS
DRAWING STATUS
ISSUED FOR CONSTRUCTION



BOTTOM SLAB
SLAB THICKNESS = 8"



TOP SLAB
SLAB THICKNESS = 5"



SECTION A-A

OVER HEAD WATER TANK


- WATER CEMENT RATIO USED IN CONCRETE SHALL NOT BE MORE THAN 0.45.
- 4" CLEAR COVER ON ALL INNER SIDES AND 2" CLEAR COVER ON ALL OUTER SIDES OF WATER TANK WALLS.
- FOOD GRADE SEALANT SHALL BE USED ON ALL CONCRETE MEMBERS EXPOSED TO WATER i.e. INTERIOR SIDES OF WALLS AND COLUMNS.
- PROVIDE MANHOLES, INLET AND OUTLET PIPES AS PER PLUMBING DRAWINGS.

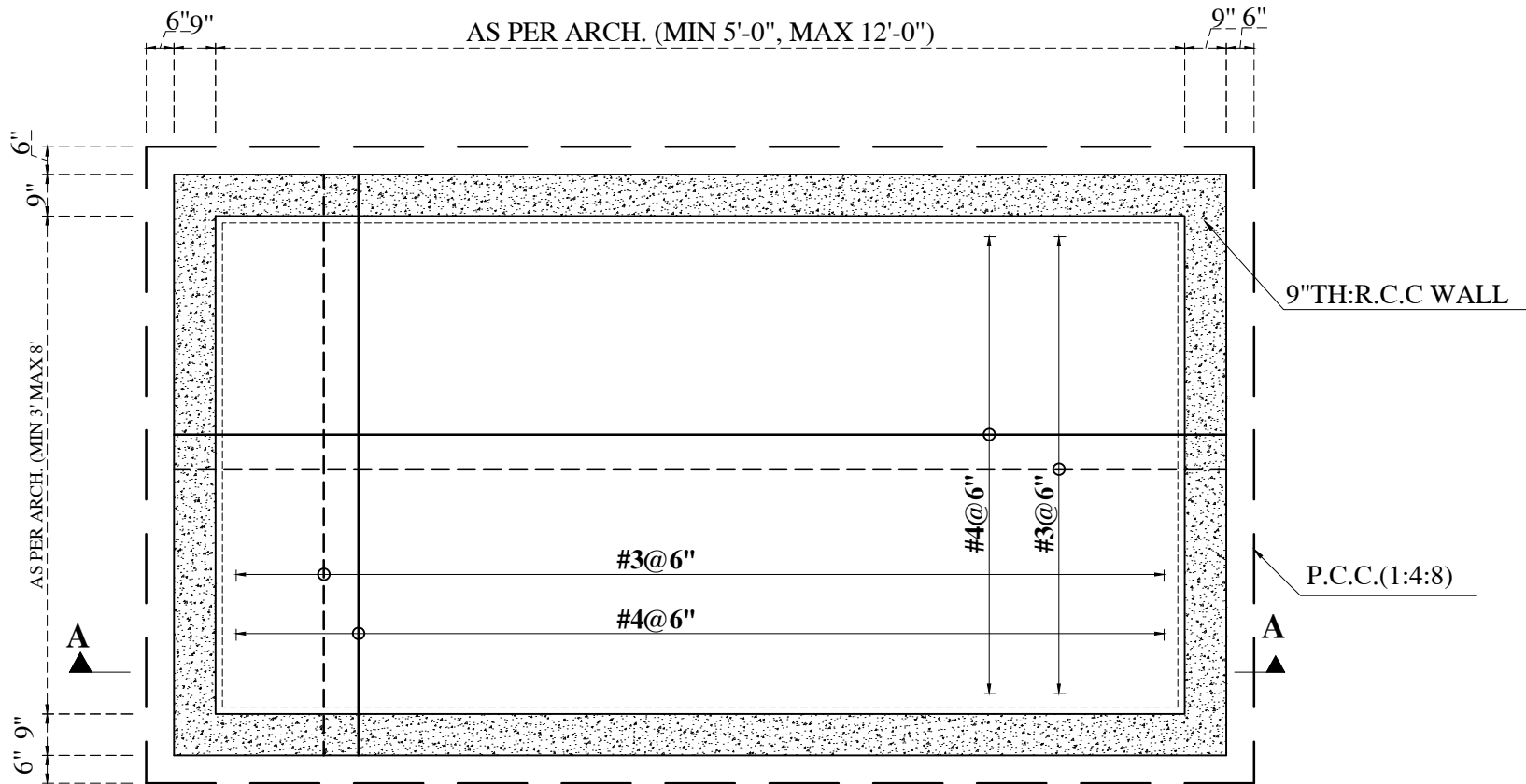
SHORT NOTES:

- STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- REFER TO S-00 FOR GENERAL NOTES.
- REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

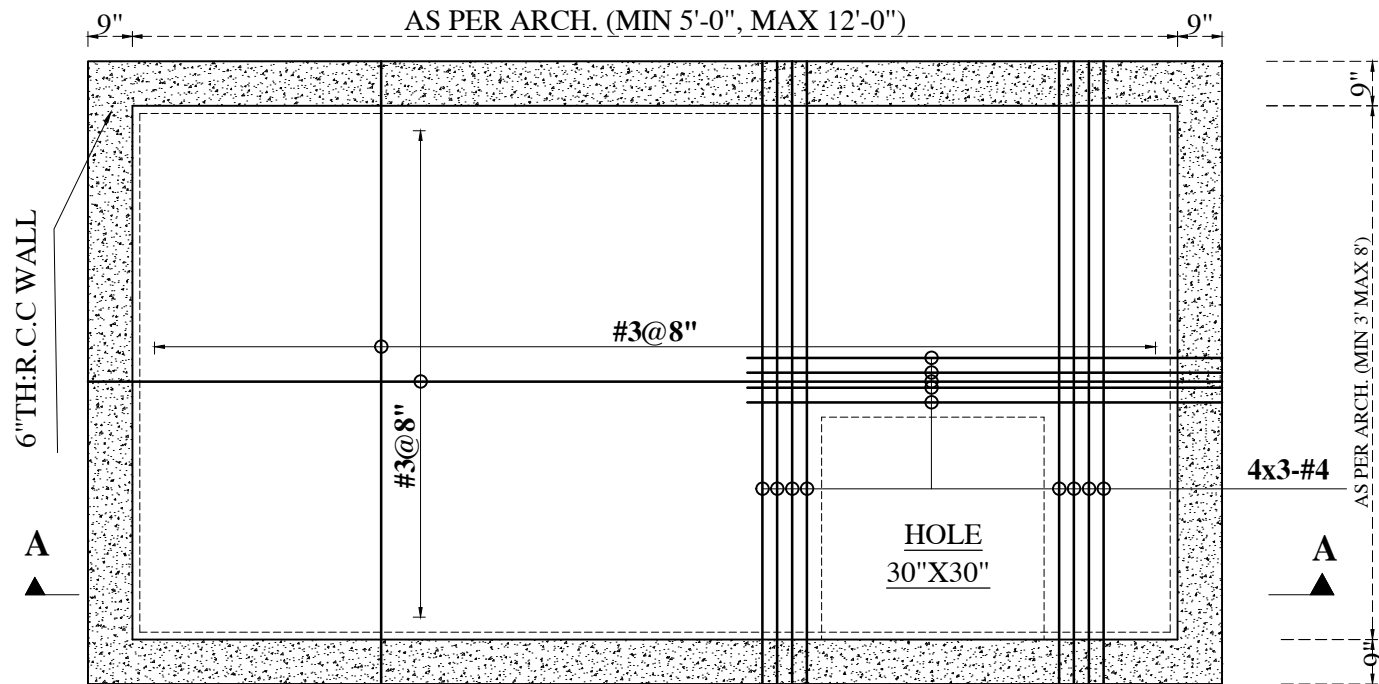
PROJECT
AT ABBOTTABAD
DRAWING
Over Head Water Tank Details

CLIENT
Mr. SADAQAT ALI
PROJECT NUMBER
3324-0712
DATE
28-11-2024
DESIGNED BY
Engr.M.Usman CIVIL
CHECKED BY
Wazir & Sons

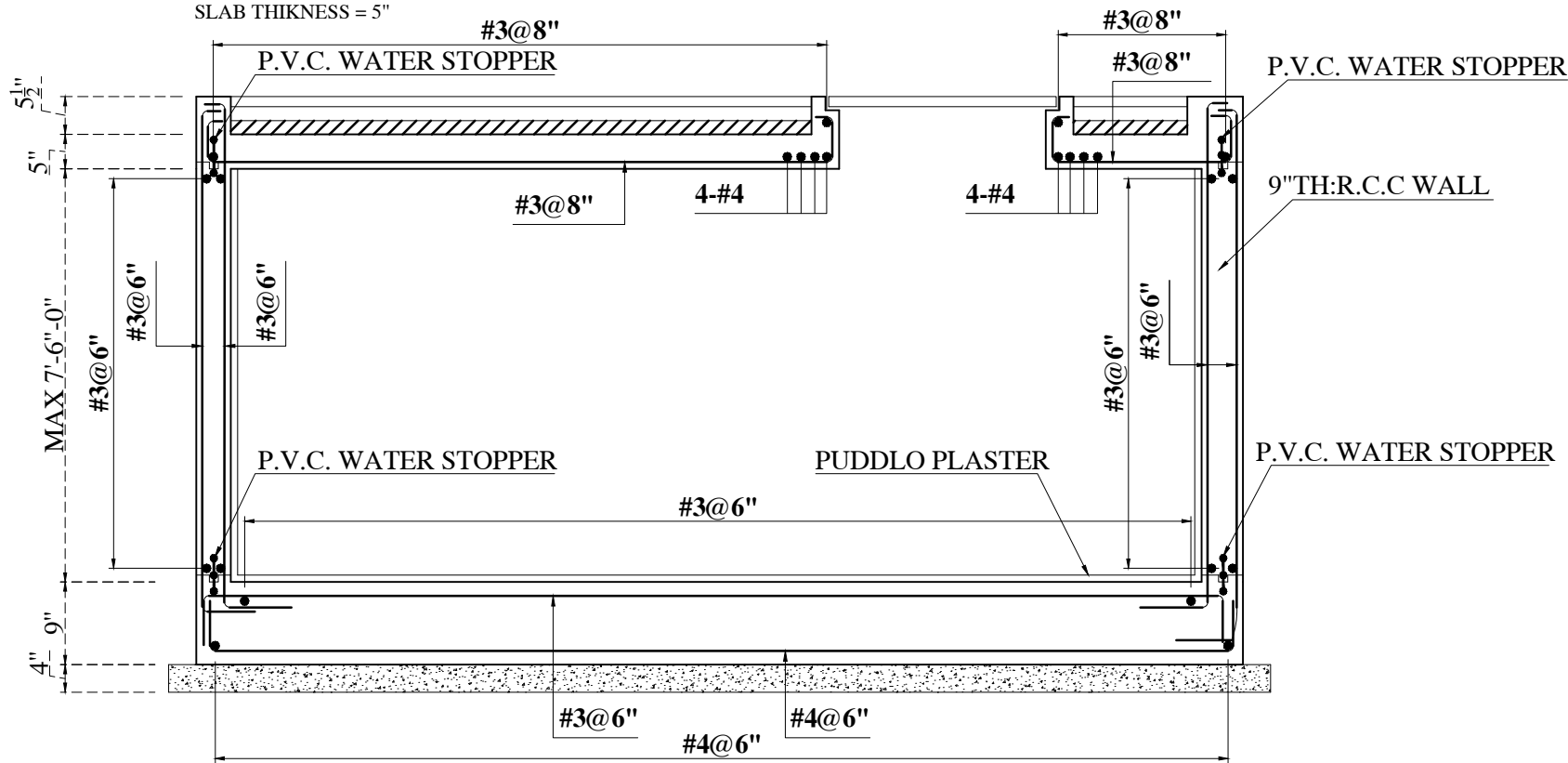
ENGINEERING CONSULTANT
 WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town,Lahore.
S-OHWT
SCALE
NTS
DRAWING STATUS
ISSUED FOR CONSTRUCTION



BOTTOM SLAB
SLAB THICKNESS = 8"



TOP SLAB
SLAB THICKNESS = 5"




SECTION A-A

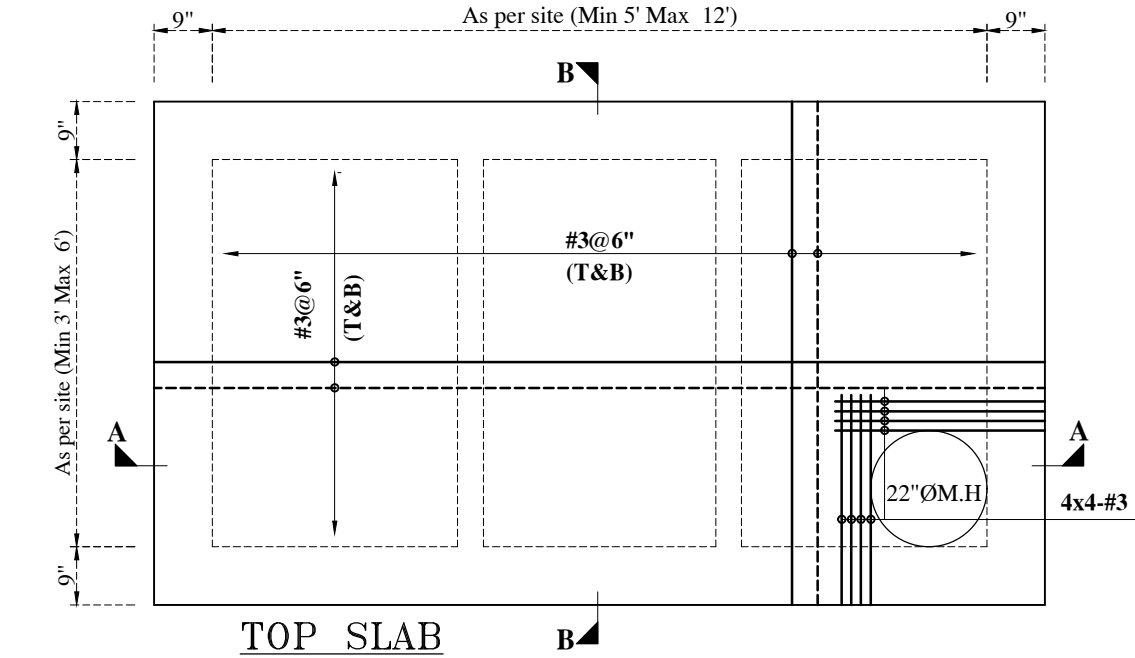
UNDER GROUND WATER TANK

- WATER CEMENT RATIO USED IN CONCRETE SHALL NOT BE MORE THAN 0.45.
- 3" CLEAR COVER ON ALL INNER SIDES AND 2" CLEAR COVER ON ALL OUTER SIDES OF WATER TANK WALLS.
- FOOD GRADE SEALANT SHALL BE USED ON ALL CONCRETE MEMBERS EXPOSED TO WATER i.e. INTERIOR SIDES OF WALLS AND COLUMNS.
- PROVIDE MANHOLES, INLET AND OUTLET PIPES AS PER PLUMBING DRAWINGS.

SHORT NOTES:

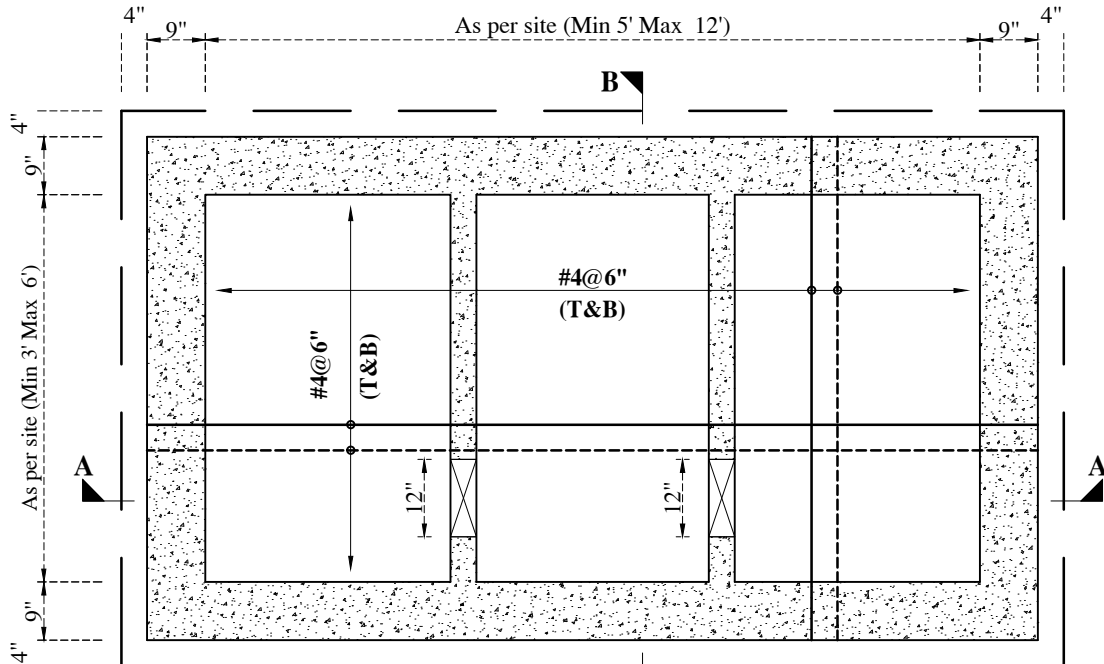
- STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- REFER TO S-00 FOR GENERAL NOTES.
- REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

	PROJECT		CLIENT		ENGINEERING CONSULTANT	
	AT ABBOTTABAD		Mr. SADAQAT ALI			WAZIR & SONS 0308 4343492 Sector-C, Commercial, Bahria Town, Lahore.
	DRAWING		PROJECT NUMBER	3324-0712		
	Under Ground Water Tank Details		DATE	28-11-2024		
		DESIGNED BY		Engr. M. Usman CIVIL	SCALE	NTS
		CHECKED BY		Wazir & Sons	DRAWING STATUS	ISSUED FOR CONSTRUCTION

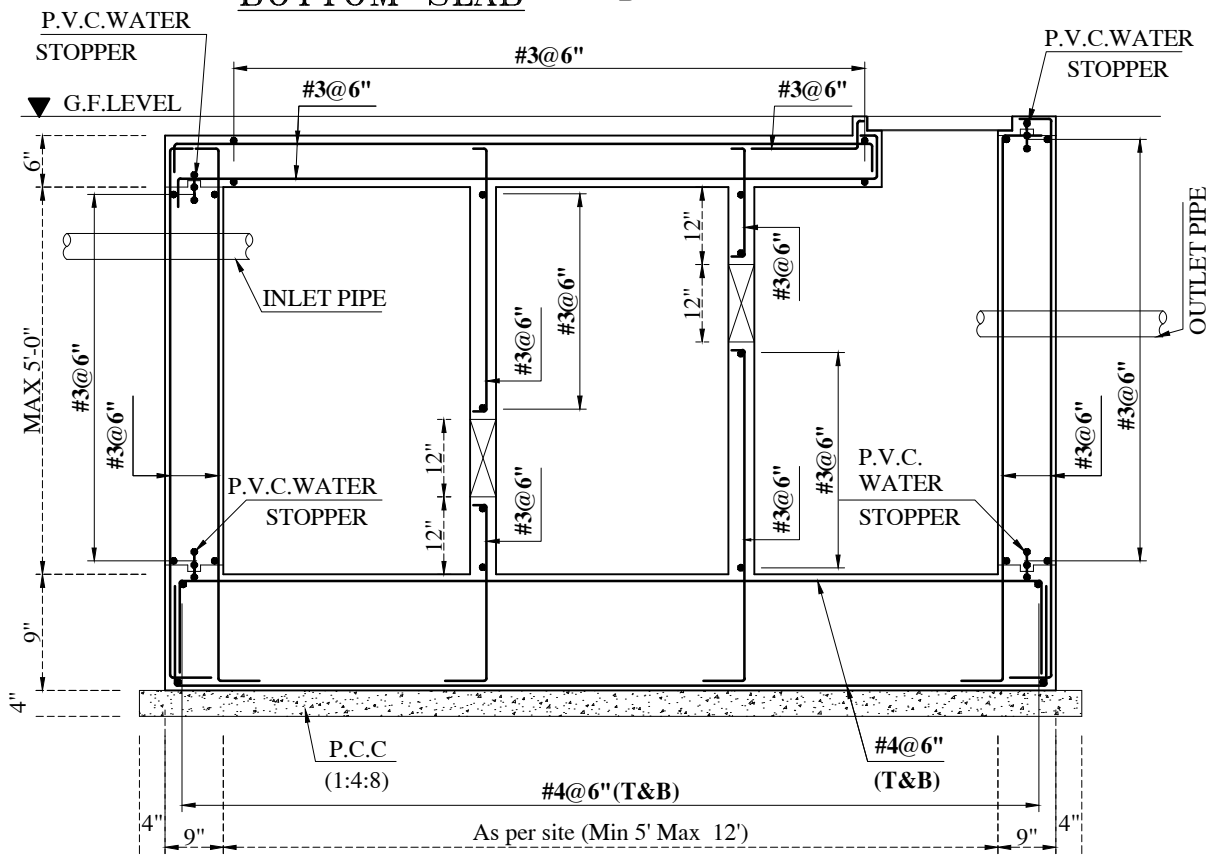


TOP SLAB

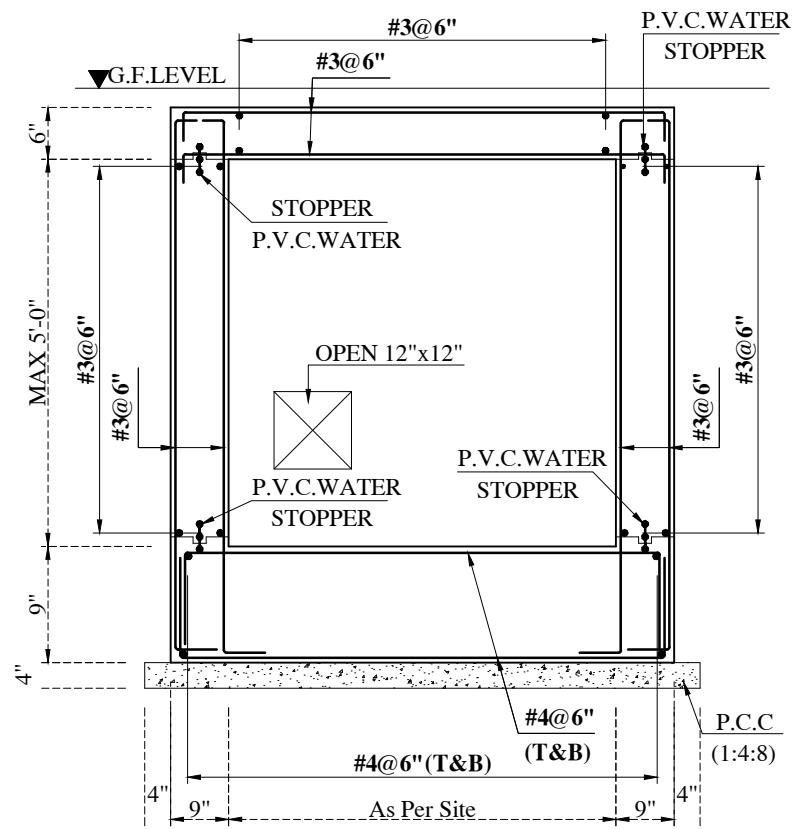
SLAB THICKNESS = 6"



BOTTOM SLAB



SECTION A-A



SECTION B-B

- WATER CEMENT RATIO USED IN CONCRETE SHALL NOT BE MORE THAN 0.45.
- 3" CLEAR COVER ON ALL INNER SIDES AND 2" CLEAR COVER ON ALL OUTER SIDES OF WATER TANK WALLS.
- FOOD GRADE SEALANT SHALL BE USED ON ALL CONCRETE MEMBERS EXPOSED TO WATER i.e. INTERIOR SIDES OF WALLS AND COLUMNS.
- PROVIDE MANHOLES, INLET AND OUTLET PIPES AS PER PLUMBING DRAWINGS.

SEPTIC TANK

SHORT NOTES:

- STEEL: GRADE 60 DEF. 60 KSI FOR ALL REINFORCEMENT.
- CONCRETE: (1:2:4) for 3,000 PSI FOR SLAB & BEAMS.
- REFER TO S-00 FOR GENERAL NOTES.
- REFER TO CLIENT URAL DRAWINGS FOR DIMENSIONS.
- IN CASE OF ANY DISCREPANCY, INTIMATE US IMMEDIATELY.

PROJECT

AT ABBOTTABAD

DRAWING

Septic Tank Details

CLIENT

Mr. SADAQAT ALI

PROJECT NUMBER

3324-0712

DATE

28-11-2024

DESIGNED BY

Engr.M.Usman CIVIL

CHECKED BY

Wazir & Sons

ENGINEERING CONSULTANT



WAZIR & SONS
0308 4343492
Sector-C, Commercial, Bahria
Town, Lahore.

S-SPT

SCALE

NTS

DRAWING STATUS

ISSUED FOR CONSTRUCTION