CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA

SECTION V-VOLUME - III
TENDER DRAWINGS

CLIENT:

STATE BANK OF PAKISTAN

CONSULTANT.

ESS-I-AAR
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LIST OF DRAWINGS

LIST OF ARCHITECTURE DRAWINGS (MAIN & ALLIED BUILDINGS)

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A-00B - SUMMARY OF AREA
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A-04 - MEZZAININE FLOOR PLAN
A-05 - FIRST FLOOR PLAN
A-06 - ROOF PLAN
A-07 - ROOF PLAN & STIAR TOWER ROOF
A-08 - ELEVATIONS 01 & 02
A-09 - ELEVATIONS 03 & 04
A-10 - ELEVATION, SECTIONS & PART SECTIONS
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A-18 - DETAIL OF TOILET BLOCK
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A-19α - SCHEDULE OF DOOR, WINDOWS & VENTILATOR
A-19ᵇ - SCHEDULE OF DOOR, WINDOWS & VENTILATOR
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A-22B - SCHEDULE OF FINISHES (MEZZANINE FLOOR PLAN)
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A-23A - ELEVATION, SECTION & DETAIL
A-24 - PLANS
A-24A - ELEVATIONS 01 & 02
A-24B - SECTIONS & DETAILS
A-24C - SCEHDULE OF DOOR, WINDOWS & VENTILATOR

LIST OF DRAWINGS

LIST OF STRUCTURE DRAWINGS (MAIN & ALLIED BUILDINGS)

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S-34 - STEEL MAIN GATE NO.1 REINF. DETAIL'S
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LIST OF DRAWINGS

LIST OF ELECTRICAL DRAWINGS

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SBPG-G-EL-02A - ELECTRICAL STANDARD DETAILS
SBPG-G-EL-02B - ELECTRICAL STANDARD DETAILS
SBPG-G-EL-03 - MAIN SYSTEM SCHEMATIC DIAGRAM
SBPG-G-EL-04 - MAIN POWER RISER DIAGRAMS
SBPG-G-EL-04A - MAIN POWER SINGLE LINE DIAGRAMS-SLD

LIST OF ELECTRICAL DRAWINGS (MAIN BUILDINGS)

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SBPG-MB-EL-03 - POWER SINGLE LINE DIAGRAMS-SLD
SBPG-MB-EL-04 - MCC - POWER SINGLE LINE DIAGRAMS
SBPG-MB-EL-05 - B2 - LIGHTING LAYOUT PLAN
SBPG-MB-EL-06 - B2 - POWER LAYOUT PLAN
SBPG-MB-EL-07 - B2 - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-MB-EL-08 - B1 - LIGHTING LAYOUT PLAN
SBPG-MB-EL-09 - B1 - POWER LAYOUT PLAN
SBPG-MB-EL-10 - B1 - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-MB-EL-11 - GF - LIGHTING LAYOUT PLAN
SBPG-MB-EL-12 - GF - POWER LAYOUT PLAN
SBPG-MB-EL-13 - GF - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-MB-EL-14 - MF - LIGHTING LAYOUT PLAN
SBPG-MB-EL-15 - MF - POWER LAYOUT PLAN
SBPG-MB-EL-16 - MF - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-MB-EL-17 - FF - LIGHTING LAYOUT PLAN
SBPG-MB-EL-18 - FF - POWER LAYOUT PLAN
SBPG-MB-EL-19 - FF - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-MB-EL-20 - ROOF LIGHTING LAYOUT PLAN
SBPG-MB-EL-21 - ROOF POWER LAYOUT PLAN
SBPG-MB-EL-22 - ROOF FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-MB-EL-23 - GF - LIGHTING PROTECTION LAYOUT PLAN
SBPG-MB-EL-24 - ROOF STAIR TOWER LIGHTING PROTECTION LAYOUT PLAN

LIST OF ELECTRICAL DRAWINGS (SECURITY OFFICE BUILDINGS)

SBPG-SO-EL-03 - POWER & SYSTEMS SCHEMATIC DIAGRAMS
SBPG-SO-EL-03A - POWER SINGLE LINE DIAGRAMS-SLD
SBPG-SO-EL-04 - B1 - LIGHTING LAYOUT PLAN
SBPG-SO-EL-05 - B1 - POWER LAYOUT PLAN
SBPG-SO-EL-06 - B1 - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-SO-EL-07 - GF - LIGHTING LAYOUT PLAN
SBPG-SO-EL-08 - GF - POWER LAYOUT PLAN
SBPG-SO-EL-09 - GF - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-SO-EL-10 - MF - LIGHTING LAYOUT PLAN
SBPG-SO-EL-11 - MF - POWER LAYOUT PLAN
SBPG-SO-EL-12 - MF - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-SO-EL-13 - LIGHTNING PROTECTION LAYOUT PLAN
SBPG-SO-EL-14 - EARTHING LAYOUT PLAN

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SBPG-EX-EL-03 - POWER & SYSTEMS SCHEMATIC DIAGRAM
SBPG-EX-EL-04 - EARTHING SCHEMATIC DIAGRAM
SBPG-EX-EL-05 - GF - LIGHTING LAYOUT PLAN
SBPG-EX-EL-06 - GF - POWER LAYOUT PLAN
SBPG-EX-EL-07 - GF - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-EX-EL-08 - GF - EARTHING LAYOUT PLAN
SBPG-EX-EL-09 - MF - LIGHTING LAYOUT PLAN
SBPG-EX-EL-10 - MF - POWER LAYOUT PLAN
SBPG-BL-EL-11 - MF - FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN
SBPG-BL-EL-12 - MF - EARTHING LAYOUT PLAN
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LIST OF DRAWINGS

LIST OF PLUMBING DRAWINGS (MAIN & ALLIED BUILDINGS)

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P-W-02 - 1ST BASEMENT (WATER SUPPLY)
P-W-03 - GROUND FLOOR PLAN (WATER SUPPLY)
P-W-04 - MEZZANINE FLOOR PLAN (WATER SUPPLY)
P-W-05 - FIRST FLOOR PLAN (WATER SUPPLY)
P-W-06 - ROOF PLAN (WATER SUPPLY)
P-W-07 - RISING DIAGRAM (WATER SUPPLY)
P-W-08 - SECTIONS OF U.G.W TANK AND O.H.W TANK SHOWING WATER RISING FOR MAIN BUILDING

P-S-01 - 2ND BASEMENT (SEWERAGE LAYOUT)
P-S-02 - 1ST BASEMENT (SEWERAGE LAYOUT)
P-S-03 - GROUND FLOOR PLAN (SEWERAGE LAYOUT)
P-S-04 - MEZZANINE FLOOR PLAN (SEWERAGE LAYOUT)
P-S-05 - FIRST FLOOR PLAN (SEWERAGE LAYOUT)
P-S-06 - ROOF PLAN (SEWERAGE LAYOUT)
P-S-07 - ROOF PLAN & STAIR TOWER ROOF (SEWERAGE LAYOUT)
P-S-08 - RISING DIAGRAM (SEWERAGE LAYOUT)
P-S-09 - ARRANGEMENT OF SEPTIC TANK AND SOAKPIT
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P-D-02 - TYPICAL PLUMBING DETAILS
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LIST OF DRAWINGS

LIST OF GAS LAYOUT DRAWINGS (MAIN & ALLIED BUILDINGS)

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GS-03 - GROUND FLOOR PLAN (GAS LAYOUT)
GS-04 - MEZZANINE FLOOR PLAN (GAS LAYOUT)
GS-05 - FIRST FLOOR PLAN (GAS LAYOUT)
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LIST OF DRAWINGS

LIST OF HVAC DRAWINGS (MAIN & ALLIED BUILDINGS)

AC-01 - GENERAL NOTES
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AC-03 - HVAC SYSTEM, MISCELLENOUS DETAIL
AC-04 - HVAC SYSTEM, DUCTING LAYOUT FOR VAULT AREA & PLANT ROOM AT 2ND BASEMENT
AC-05 - HVAC SYSTEM, DUCTING & PIPING LAYOUT FOR 1ST BASEMENTT
AC-06 - HVAC SYSTEM, DUCTING LAYOUT FOR GROUND FLOOR
AC-07 - HVAC SYSTEM, DUCTING LAYOUT FOR MEZZANINE FLOOR
AC-08 - HVAC SYSTEM, DUCTING LAYOUT FOR 1ST FLOOR
AC-09 - HVAC SYSTEM, COOLINIG WATER SYSTEM LAYOUT FOR ROOF FLOOR
AC-10 - HVAC SYSTEM, CHILLED WATER PIPING LAYOUT FOR GROUND FLOOR
AC-11 - HVAC SYSTEM, CHILLED WATER PIPING LAYOUT FOR MEZANINE FLOOR
AC-12 - HVAC SYSTEM, CHILLED WATER PIPING LAYOUT FOR FIRST FLOOR
AC-13 - HVAC SYSTEM, MOTOR CONTROL SCHEMATIC
AC-14 - HVAC SYSTEM, PIPING LAYOUT FOR WALT AREA & PLANT ROOM AT 2ND BASEMENT
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LIST OF DRAWINGS

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FP-02 - FIRE PROTECTION SYSTEM, SYMBOL AND MISCELLENOUS DETAIL
FP-03 - FIRE PROTECTION SYSTEM, FOR 2nd BASEMENT
FP-04 - FIRE PROTECTION SYSTEM, FOR 1st BASEMENT
FP-05 - FIRE PROTECTION SYSTEM, FOR GROUND FLOOR
FP-06 - FIRE PROTECTION SYSTEM, FOR MEZZANINE FLOOR
FP-07 - FIRE PROTECTION SYSTEM, FOR 1ST FLOOR
FP-08 - FIRE PROTECTION SYSTEM, AUTOMATIC CONTROLS BMS SCHEMATIC

LIST OF DRAWINGS

LIST OF FALSE CEILING DRAWINGS (MAIN & ALLIED BUILDINGS)

F.C-01 - 2ND BASEMENT (FALSE CEILING)
F.C-02 - GROUND FLOOR PLAN (FALSE CEILING)
F.C-03 - MEZZANINE FLOOR PLAN (FALSE CEILING)
F.C-04 - FIRST FLOOR PLAN (FALSE CEILING)
F.C-05 - DESIGN OF FALL CEILING PLAN REFERENCE IMAGES & SECTION (FALSE CEILING)
F.C-06 - DESIGN OF FALL CEILING PLAN REFERENCE IMAGES & SECTION (FALSE CEILING)
F.C-07 - DESIGN OF FALL CEILING PLAN REFERENCE IMAGES & SECTION (FALSE CEILING)

LIST OF DRAWINGS

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ICT-02 - 2ND. BASEMENT (ICT & CCTV LOCATION)
ICT-03 - 1ST. BASEMEN (ICT & CCTV LOCATION)
ICT-04 - GROUND FLOOR PLAN (ICT & CCTV LOCATION)
ICT-05 - MEZZANINE FLOOR PLAN (ICT & CCTV LOCATION)
ICT-06 - FIRST FLOOR PLAN (ICT & CCTV LOCATION)
ICT-07 - ROOF PLAN (ICT & CCTV LOCATION)
ICT-08 - TOP ROOF PLAN (ICT & CCTV LOCATION)
ICT-09 - KEY PLAN (CONDUIT ROUTE DETAIL) ICT & CCTV
ICT-10 - 2ND. BASEMENT (CONDUIT ROUTE DETAIL) ICT & CCTV
ICT-11 - 1ST. BASEMEN (CONDUIT ROUTE DETAIL) ICT & CCTV
ICT-12 - GROUND FLOOR PLAN (CONDUIT ROUTE DETAIL) ICT & CCTV
ICT-13 - MEZZANINE FLOOR PLAN (CONDUIT ROUTE DETAIL) ICT & CCTV
ICT-14 - FIRST FLOOR PLAN (CONDUIT ROUTE DETAIL) ICT & CCTV
ICT-15 - ROOF PLAN (CONDUIT ROUTE DETAIL) ICT & CCTV
ICT-16 - TOP ROOF PLAN (CONDUIT ROUTE DETAIL) ICT & CCTV
ICT-17 - SCHEMATIC DRAWING

LIST OF DRAWINGS

LIST OF TRAFFIC SIGN DRAWINGS

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TF-02 - 1ST. BASEMENT PLAN TRAFFIC SIGN & MISCELLANEOUS EARTHING LAYOUT DETAILS
TF-03 - GROUND FLOOR PLAN TRAFFIC SIGN & MISCELLANEOUS
TF-04 - TRAFFIC SIGNS & MISCELLANEOUS

LIST OF DRAWINGS

LIST OF EXTERNAL SERVICES DRAWINGS

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UT-02 - TYPICAL DETAILS OF UTILITY SERVICES

LIST OF DRAWINGS

LIST OF FURNITURE LAYOUT DRAWINGS

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FUR-03 - GROUND FLOOR PLAN (FURNITURE LAYOUT)
FUR-04 - MEZZANINE FLOOR PLAN (FURNITURE LAYOUT)
FUR-05 - FIRST FLOOR PLAN (FURNITURE LAYOUT)

LIST OF DRAWINGS

LIST OF BMS DRAWINGS (MAIN BUILDINGS)

BMS-01 - HVAC SYSTEM, AUTOMATIC CONTROL SYSTEM
BMS-02 - FP SYSTEM, AUTOMATIC CONTROLS & BMS

LIST OF DRAWINGS

LIST OF ARCHITECTURE DRAWINGS (BUNGALOWS)

A-01 - GROUND & FIRST FLOOR PLAN
A-02 - ROOF PLAN & STAIR TOWER
A-03 - ELEVATIONS 01 & 02
A-04 - ELEVATIONS 03 & 04
A-05 - SECTION A-A & B-B
A-06 - DETIL OF PART SECTIONS
A-07 - DETAIL OF PART ELEVATIONS & SECTIONS
A-08 - SCHEDULE OF DOORS, WINDOWS & VENTILATOR
A-09 - TYPICAL DETAILS

LIST OF STRUCTURE DRAWINGS (BUNGALOW)

S-01 - GENERAL NOTES
S-02 - FOUNDATION PLAN AND DETAILS
S-03 - PLINTH BEAM FRAMING PLAN AND DETAILS
S-04 - FIRST FLOOR BEAM FRAMING REINFORCEMENT PLAN AND DETAILS
S-05 - ROOF BEAM FRAMING REINFORCEMENT PLAN AND DETAILS
S-06 - STAIR CASE TOWER AND OHWT DETAIL
S-07 - CROSS SECTION OF STAIR CASE AND SECTION DETAILS
S-08 - SECTION AND DETAILS

LIST OF ELECTRICAL DRAWINGS (BUNGALOW)

SBPG-SO-EL-03 - TITLE SHEET
SBPG-BL-EL-03 - POWER & SYSTEMS SCHEMATIC DIAGRAMS
SBPG-BL-EL-04 - POWER SINGLE LINE DIAGRAM
SBPG-BL-EL-05 - GF - LIGHTING LAYOUT PLAN
SBPG-BL-EL-06 - GF - POWER & SYSTEMS LAYOUT PLAN
SBPG-BL-EL-07 - LIGHTING LAYOUT PLAN
SBPG-BL-EL-08 - FF - POWER & SYSTEMS LAYOUT PLAN
SBPG-BL-EL-09 - ROOF LIGHTING & POWER LAYOUT PLAN
SBPG-BL-EL-10 - LIGHTNING PROTECTION LAYOUT PLAN
SBPG-BL-EL-11 - EARTHING LAYOUT PLAN

LIST OF PLUMBING DRAWINGS (BUNGALOW)

P-W-01 - GROUND AND FIRST FLOOR PLAN (WATER SUPPLY)
P-W-02 - ROOF PLAN (WATER SUPPLY)
P-W-03 - SECTIONS OF U.G.W TANK AND O.H.W TANK SHOWING WATER RISING
P-S-01 - GROUND AND FIRST FLOOR PLAN (SEWERAGE LAYOUT)
P-S-02 - ROOF PLAN (SEWERAGE LAYOUT)

LIST OF GAS LAYOUT DRAWINGS (BUNGALOW)

GS-01 - GROUND AND FIRST FLOOR PLAN (GAS LAYOUT)

ENGG. ARCHITECTURE PLANNING
ESS-I-AAR
Suite No. 314, 3rd Floor
Mashriq Center
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

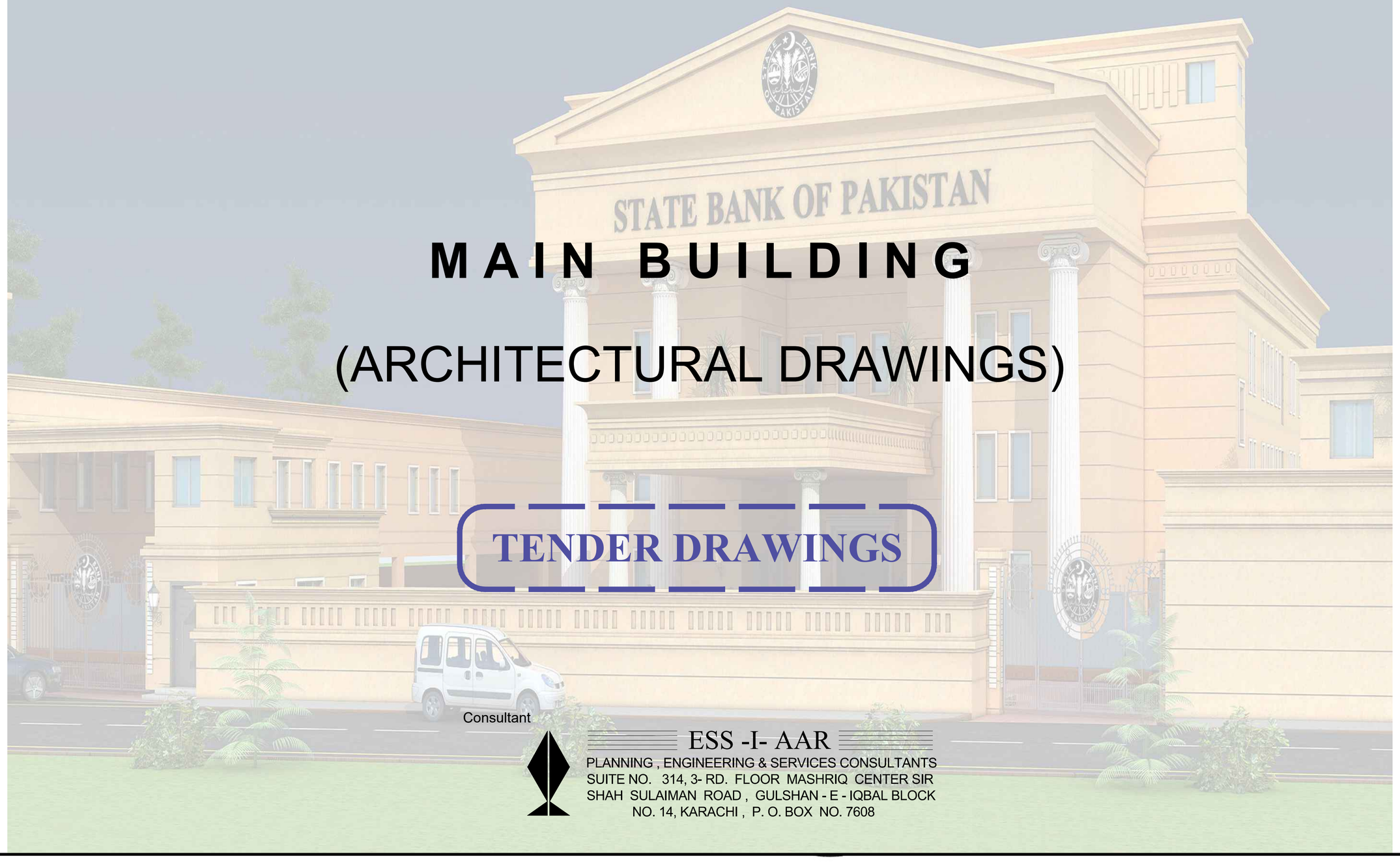
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
DEPARTMENT SBP BSC HOK

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: LIST OF DRAWING	DATE: 16-11-2020 (DAY / MONTH / YEAR)	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

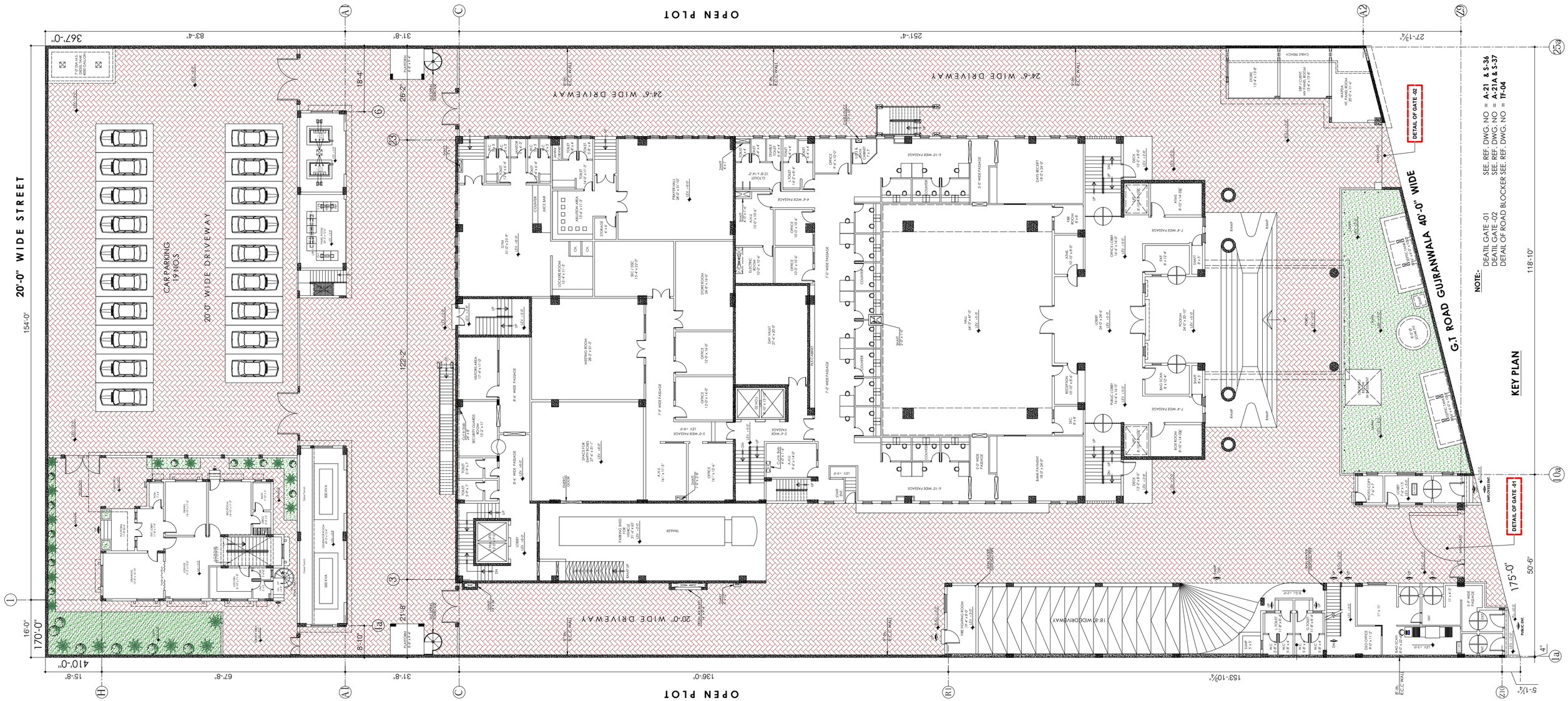
(ARCHITECTURAL DRAWINGS)

TENDER DRAWINGS

Consultant

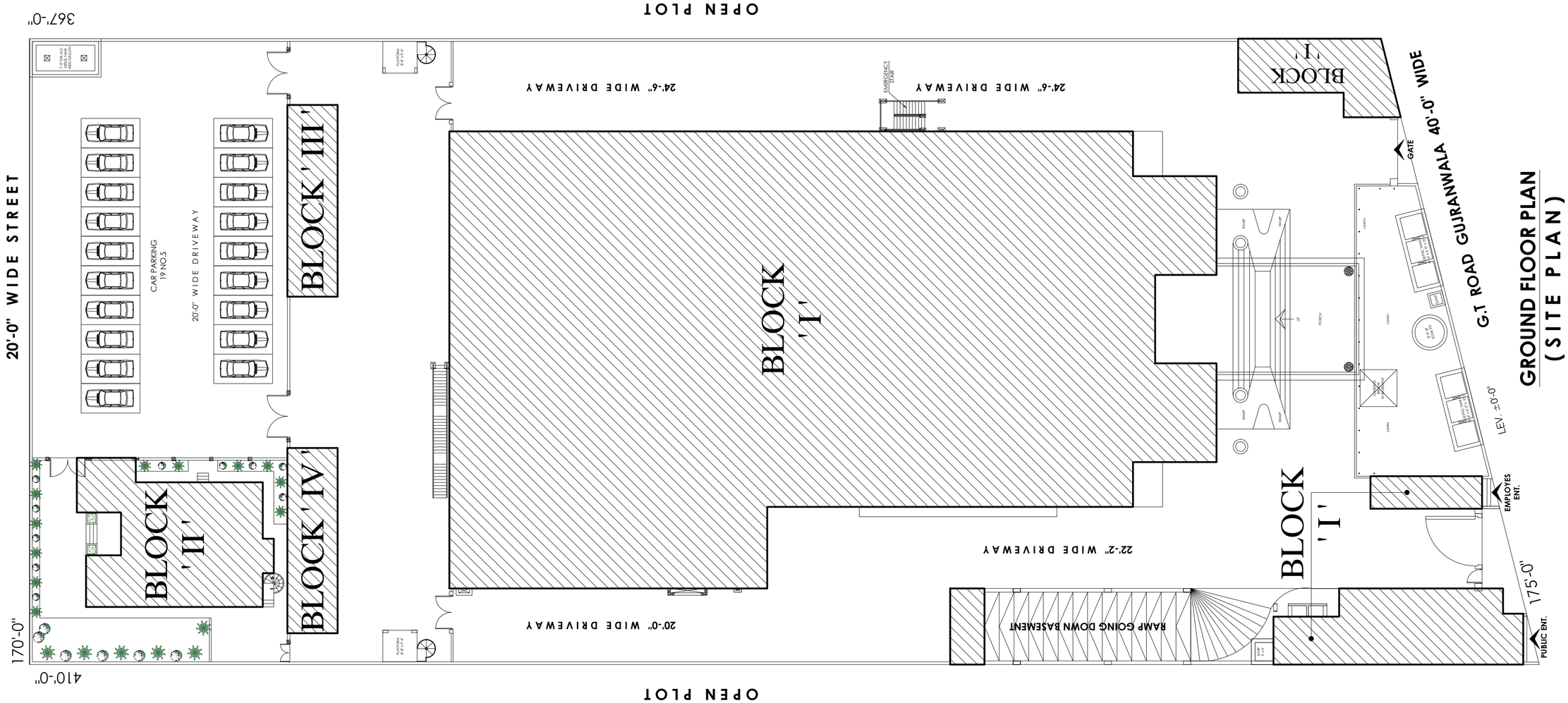
ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608



TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	KEY PLAN	16-11-2020		ARCH.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR	JOB NO.	A-00



GROUND FLOOR PLAN
(S I T E P L A N)

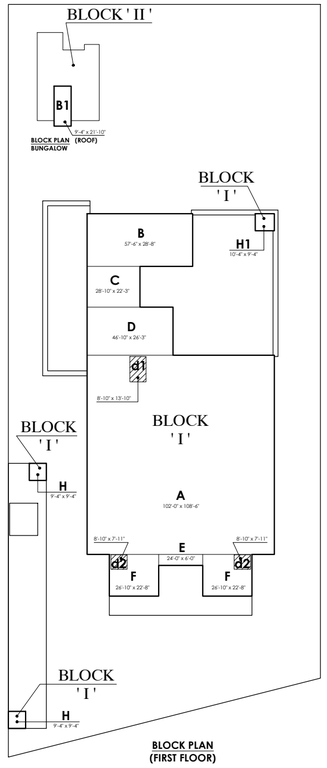
S
E W
N

TENDER DRAWING

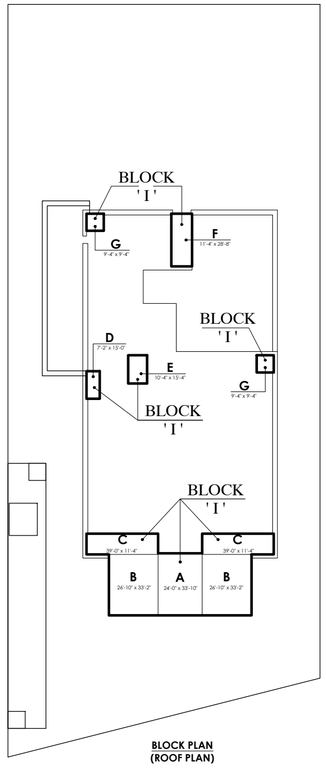
ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ★ ENGINEERING DEPARTMENT ★ PROJECT MANAGEMENT DIVISION ★ HOK

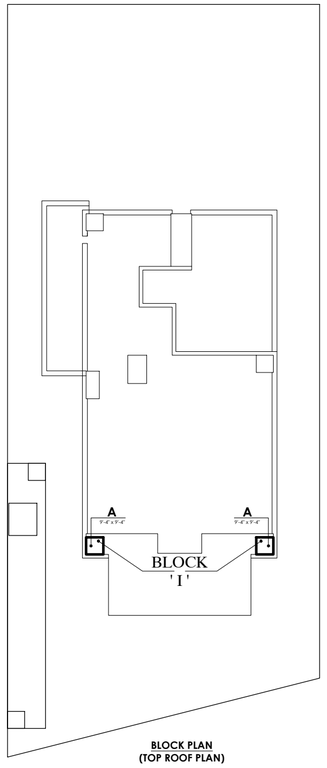
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: SITE PLAN	DATE: 16-11-2020	SHEET REF.: ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.	A-00A



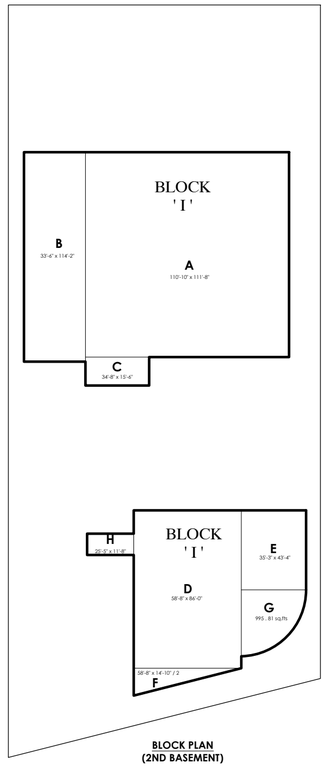
BLOCK PLAN (FIRST FLOOR)



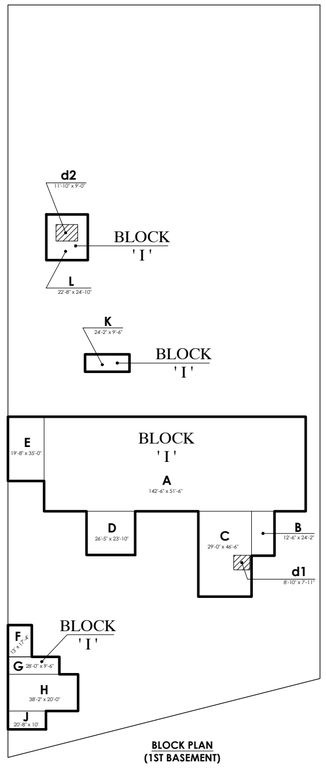
BLOCK PLAN (ROOF PLAN)



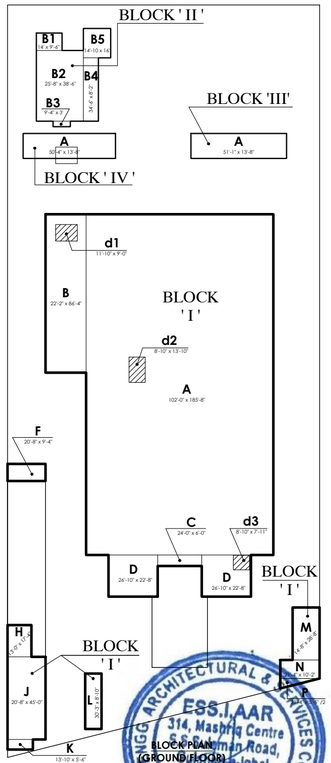
BLOCK PLAN (TOP ROOF PLAN)



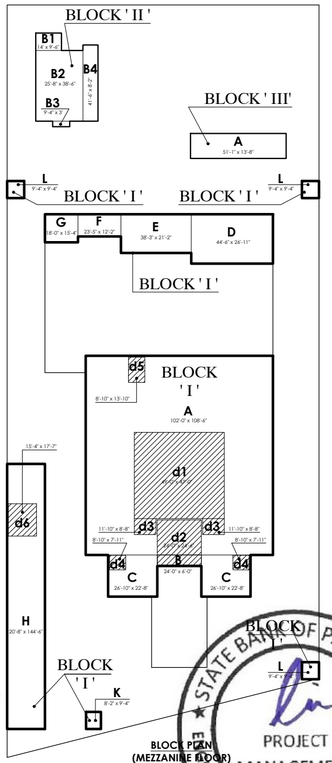
BLOCK PLAN (2ND BASEMENT)



BLOCK PLAN (1ST BASEMENT)



BLOCK PLAN (GROUND FLOOR)



BLOCK PLAN (MEZZANINE FLOOR)

SCHEDULE OF AREA

BLOCK - ' I '

Detail of Area First Floor

A =	102' - 0"	x 108' - 6"	=	11,067 . 00 Sq.fts
B =	57' - 6"	x 28' - 8"	=	1,648 . 52 Sq.fts
C =	28' - 10"	x 22' - 3"	=	641 . 46 Sq.fts
D =	46' - 10"	x 26' - 3"	=	1229 . 28 Sq.fts
E =	24' - 0"	x 6' - 0"	=	144 . 00 Sq.fts
F =	26' - 10"	x 22' - 8" x 2	=	1,216 . 46 Sq.fts
H =	9' - 4"	x 9' - 4" x 2	=	174 . 08 Sq.fts
H1 =	10' - 4"	x 9' - 4"	=	96 . 37 Sq.fts
		TOTAL AREA	=	16,217 . 17 Sq.fts
		LESS DEDUCTION AREA	=	261 . 97 Sq.fts
		TOTAL FIRST FLOOR AREA	=	15,955 . 20 Sq.fts

Detail of Less Deduction Area First Floor

d1 =	8' - 10"	x 13' - 10"	=	122 . 11 Sq.fts
d2 =	8' - 10"	x 7' - 11" x 2	=	139 . 86 Sq.fts
		TOTAL AREA	=	261 . 97 Sq.fts

Detail of Area Roof

A =	24' - 0"	x 33' - 10"	=	811 . 92 Sq.fts
B =	26' - 10"	x 33' - 2" x 2	=	1,779 . 36 Sq.fts
C =	39' - 0"	x 11' - 4" x 2	=	883 . 74 Sq.fts
D =	7' - 2"	x 15' - 0"	=	107 . 40 Sq.fts
E =	10' - 4"	x 15' - 4"	=	158 . 35 Sq.fts
F =	11' - 4"	x 28' - 8"	=	324 . 83 Sq.fts
G =	9' - 4"	x 9' - 4" x 2	=	174 . 08 Sq.fts
		TOTAL AREA	=	4,239 . 68 Sq.fts

Detail of Area Top Roof

A =	9' - 4"	x 9' - 4" x 2	=	174 . 08 Sq.fts
		TOTAL AREA	=	174 . 08 Sq.fts

BLOCK - ' II '

Detail of Area Ground Floor

B1 =	14' - 0"	x 9' - 6"	=	133 . 00 Sq.fts
B2 =	25' - 8"	x 38' - 6"	=	988 . 29 Sq.fts
B3 =	9' - 4"	x 3' - 0"	=	27 . 99 Sq.fts
B4 =	8' - 2"	x 34' - 6"	=	281 . 52 Sq.fts
B5 =	14' - 10"	x 16' - 0"	=	237 . 28 Sq.fts
		TOTAL GROUND FLOOR AREA	=	1,668 . 08 Sq.fts

Detail of Area First Floor

B1 =	14' - 0"	x 9' - 6"	=	133 . 00 Sq.fts
B2 =	25' - 8"	x 38' - 6"	=	988 . 29 Sq.fts
B3 =	9' - 4"	x 3' - 0"	=	27 . 99 Sq.fts
B4 =	8' - 2"	x 41' - 6"	=	338 . 64 Sq.fts
		TOTAL FIRST FLOOR AREA	=	1,487 . 92 Sq.fts

Detail of Area Stair Tower Roof

B1 =	9' - 4"	x 21' - 10"	=	203 . 67 Sq.fts

BLOCK - ' III '

Detail of Area Ground Floor

A =	51' - 1"	x 13' - 8"	=	698 . 26 Sq.fts
		TOTAL GROUND FLOOR AREA	=	698 . 26 Sq.fts

Detail of Area First Floor

A =	51' - 1"	x 13' - 8"	=	698 . 26 Sq.fts
		TOTAL FIRST FLOOR AREA	=	698 . 26 Sq.fts

BLOCK - ' IV '

Detail of Area Ground Floor

A =	50' - 4"	x 13' - 8"	=	688 . 01 Sq.fts
		TOTAL GROUND FLOOR AREA	=	688 . 01 Sq.fts

BLOCK - ' I '

Detail of Area Basement - 02

A =	110' - 10"	x 111' - 8"	=	12,376 . 38 Sq.fts
B =	33' - 6"	x 114' - 2"	=	3,824 . 36 Sq.fts
C =	34' - 8"	x 15' - 6"	=	537 . 38 Sq.fts
D =	58' - 8"	x 86' - 0"	=	5,045 . 62 Sq.fts
E =	35' - 3"	x 43' - 4"	=	1,527 . 38 Sq.fts
F =	58' - 8"	x 14' - 10" / 2	=	435 . 03 Sq.fts
G =	995 . 81		=	995 . 81 Sq.fts
H =	25' - 5"	x 11' - 8"	=	296 . 65 Sq.fts
		TOTAL BASEMENT AREA	=	25,038 . 61 Sq.fts

Detail of Area Basement - 01

A =	142' - 6"	x 51' - 6"	=	7,338 . 75 Sq.fts
B =	12' - 6"	x 24' - 2"	=	302 . 00 Sq.fts
C =	29' - 0"	x 46' - 6"	=	1,348 . 50 Sq.fts
D =	26' - 5"	x 23' - 10"	=	629 . 58 Sq.fts
E =	19' - 8"	x 35' - 0"	=	688 . 45 Sq.fts
F =	13' - 0"	x 17' - 4"	=	225 . 29 Sq.fts
G =	28' - 0"	x 9' - 6"	=	266 . 00 Sq.fts
H =	38' - 2"	x 20' - 0"	=	763 . 20 Sq.fts
J =	20' - 8"	x 10' - 0"	=	206 . 70 Sq.fts
K =	24' - 2"	x 9' - 6"	=	229 . 52 Sq.fts
L =	22' - 8"	x 24' - 10"	=	562 . 89 Sq.fts
		TOTAL AREA	=	12,560 . 88 Sq.fts
		LESS DEDUCTION AREA	=	176 . 40 Sq.fts
		TOTAL BASEMENT - 01 FLOOR AREA	=	12,384 . 48 Sq.fts

Detail of Less Deduction Area Basement - 01 Floor

d1 =	8' - 10"	x 7' - 11"	=	69 . 93 Sq.fts
d2 =	11' - 10"	x 9' - 0"	=	106 . 47 Sq.fts
		TOTAL AREA	=	176 . 40 Sq.fts

Detail of Area Ground Floor

A =	102' - 0"	x 185' - 8"	=	18,938 . 34 Sq.fts
B =	22' - 2"	x 86' - 4"	=	1,913 . 07 Sq.fts
C =	24' - 0"	x 6' - 0"	=	144 . 00 Sq.fts
D =	26' - 10"	x 22' - 8" x 2	=	1216 . 47 Sq.fts
F =	20' - 8"	x 9' - 4"	=	192 . 85 Sq.fts
H =	13' - 0"	x 17' - 4"	=	225 . 29 Sq.fts
J =	20' - 8"	x 45' - 0"	=	930 . 15 Sq.fts
K =	13' - 10"	x 5' - 6"	=	76 . 06 Sq.fts
L =	30' - 3"	x 8' - 10"	=	267 . 10 Sq.fts
M =	14' - 8"	x 28' - 8"	=	420 . 58 Sq.fts
N =	21' - 4"	x 10' - 2"	=	216 . 71 Sq.fts
P =	21' - 4"	x 5' - 5" / 2	=	57 . 80 Sq.fts
		TOTAL AREA	=	24,598 . 42 Sq.fts
		LESS DEDUCTION AREA	=	298 . 51 Sq.fts
		TOTAL GROUND FLOOR AREA	=	24,299 . 91 Sq.fts

Detail of Less Deduction Area Ground Floor

d1 =	11' - 10"	x 9' - 0"	=	106 . 47 Sq.fts
d2 =	8' - 10"	x 13' - 10"	=	122 . 11 Sq.fts
d3 =	8' - 10"	x 7' - 11"	=	69 . 93 Sq.fts
		TOTAL AREA	=	298 . 51 Sq.fts

Detail of Area Mezzanine Floor

A =	102' - 0"	x 108' - 6"	=	11,067 . 00 Sq.fts
B =	24' - 0"	x 6' - 0"	=	144 . 00 Sq.fts
C =	26' - 10"	x 22' - 8" x 2	=	1,216 . 47 Sq.fts
D =	44' - 6"	x 26' - 11"	=	1,197 . 94 Sq.fts
E =	38' - 3"	x 21' - 2"	=	809 . 37 Sq.fts
F =	23' - 5"	x 12' - 2"	=	284 . 78 Sq.fts
G =	18' - 0"	x 15' - 4"	=	275 . 94 Sq.fts
H =	20' - 8"	x 144' - 6"	=	2,986 . 81 Sq.fts
K =	8' - 2"	x 9' - 4"	=	76 . 13 Sq.fts
L =	9' - 4"	x 9' - 4" x 3	=	261 . 12 Sq.fts
		TOTAL AREA	=	18,319 . 56 Sq.fts
		LESS DEDUCTION AREA	=	3,627 . 59 Sq.fts
		TOTAL MEZZANINE FLOOR AREA	=	14,691 . 97 Sq.fts

Detail of Less Deduction Area Mezzanine Floor

d1 =	49' - 0"	x 47' - 0"	=	2,303 . 00 Sq.fts
d2 =	24' - 0"	x 24' - 6"	=	588 . 00 Sq.fts
d3 =	11' - 10"	x 8' - 8" x 2	=	205 . 12 Sq.fts
d4 =	8' - 10"	x 7' - 11" x 2	=	139 . 86 Sq.fts
d5 =	8' - 10"	x 13' - 10"	=	122 . 11 Sq.fts
d6 =	15' - 4"	x 17' - 7"	=	269 . 50 Sq.fts
		TOTAL AREA	=	3,627 . 59 Sq.fts

TOTAL AREA OF PLOT	=	65,996 . 00 Sq.fts
OR	=	7,444 . 00 Sq.yds
OR	=	12 K - 03 M
F.A.R :- RATIO	=	
FOOT PRINT	=	
ALLOWABLE AREA	=	
TOTAL COVERED AREA	=	1,02,228 . 13 Sq.fts

SUMMARY OF BLOCK AREA

TOTAL AREA	(BLOCK-I)	=	96,783 . 93 Sq.fts
TOTAL AREA	(BLOCK-II)	=	3,359 . 67 Sq.fts
TOTAL AREA	(BLOCK-III)	=	1,396 . 52 Sq.fts
TOTAL AREA	(BLOCK-IV)	=	688 . 01 Sq.fts
TOTAL		=	1,02,228 . 13 Sq.fts

DETAIL OF BLOCKS AREA

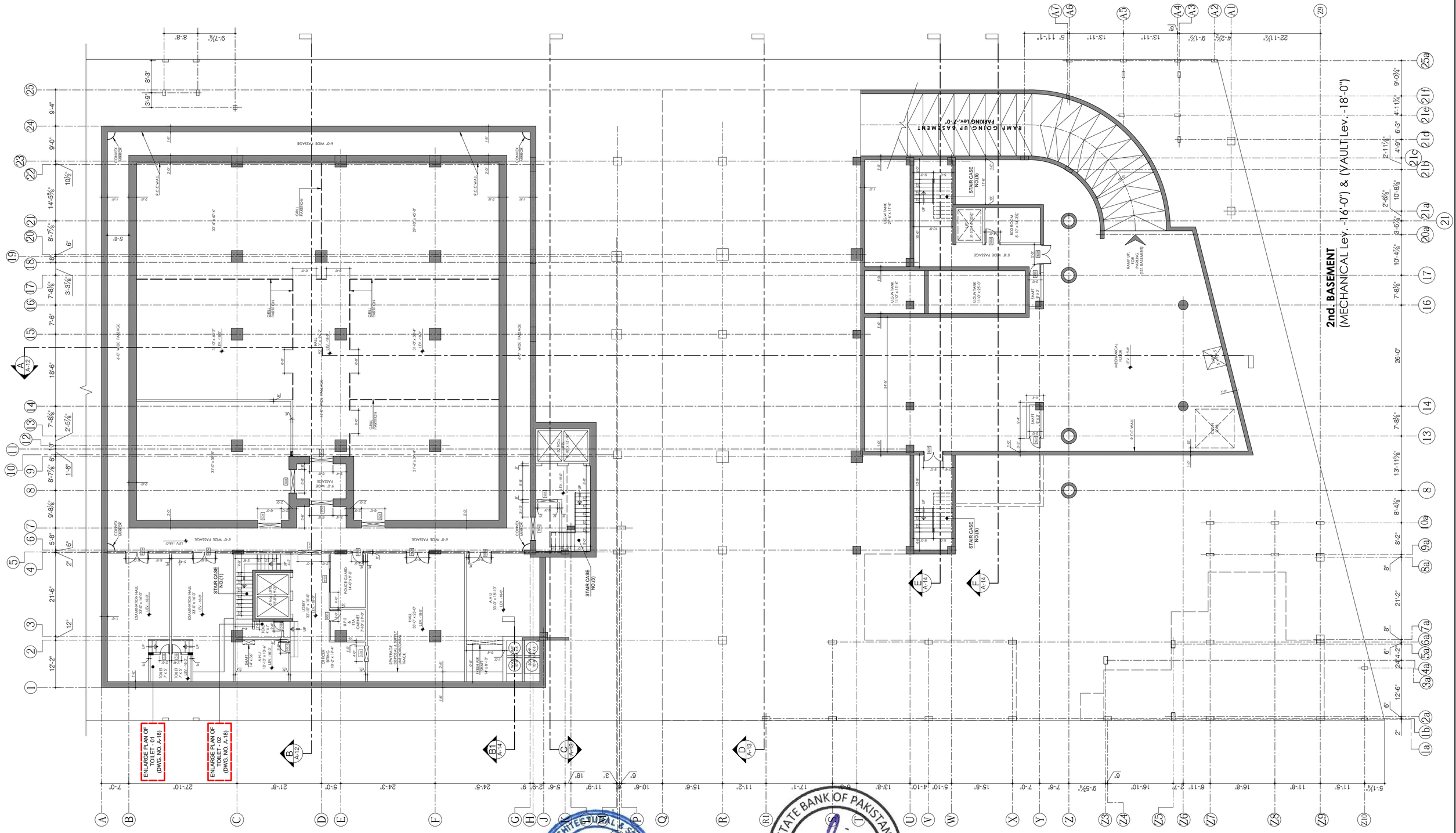
BASEMENT - 02 AREA	(BLOCK-I)	=	25,038 . 61 Sq.fts
BASEMENT - 01 AREA	(BLOCK-I)	=	12,384 . 48 Sq.fts
GROUND FLOOR AREA	(BLOCK-I)	=	24,299 . 91 Sq.fts
MEZZANINE Floor AREA	(BLOCK-I)	=	14,691 . 97 Sq.fts
1st FLOOR AREA	(BLOCK-I)	=	15,955 . 20 Sq.fts
Roof (Lifts & Stair) AREA	(BLOCK-I)	=	4,239 . 68 Sq.fts
Top Roof AREA	(BLOCK-I)	=	174 . 08 Sq.fts
TOTAL FLOORS AREA	(BLOCK-I)	=	96,783 . 93 Sq.fts
GROUND FLOOR AREA	(BLOCK-II)	=	1,668 . 08 Sq.fts
FIRSR FLOOR AREA	(BLOCK-II)	=	1,487 . 92 Sq.fts
ROOF (Stair Tower) AREA	(BLOCK-II)	=	203 . 67 Sq.fts
TOTAL FLOORS AREA	(BLOCK-II)	=	3,359 . 67 Sq.fts
GROUND FLOOR AREA	(BLOCK-III)	=	698 . 26 Sq.fts
1st FLOOR AREA	(BLOCK-III)	=	698 . 26 Sq.fts
TOTAL FLOORS AREA	(BLOCK-III)	=	1,396 . 52 Sq.fts
GROUND FLOOR AREA	(BLOCK-IV)	=	688 . 01 Sq.fts
TOTAL FLOORS AREA	(BLOCK-IV)	=	688 . 01 Sq.fts

TENDER DRAWING

ESS.I.AAR 314, Mashriq Centre C.S. Sir Shah Suleman Road, Gulshan-e-Iqbal Karachi
ENGINEERING ARCHITECTURAL & SERVICES CONSULTANTS
STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ★ ENGINEERING DEPARTMENT

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA	ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	SUMMARY OF AREA	16-11-2020	

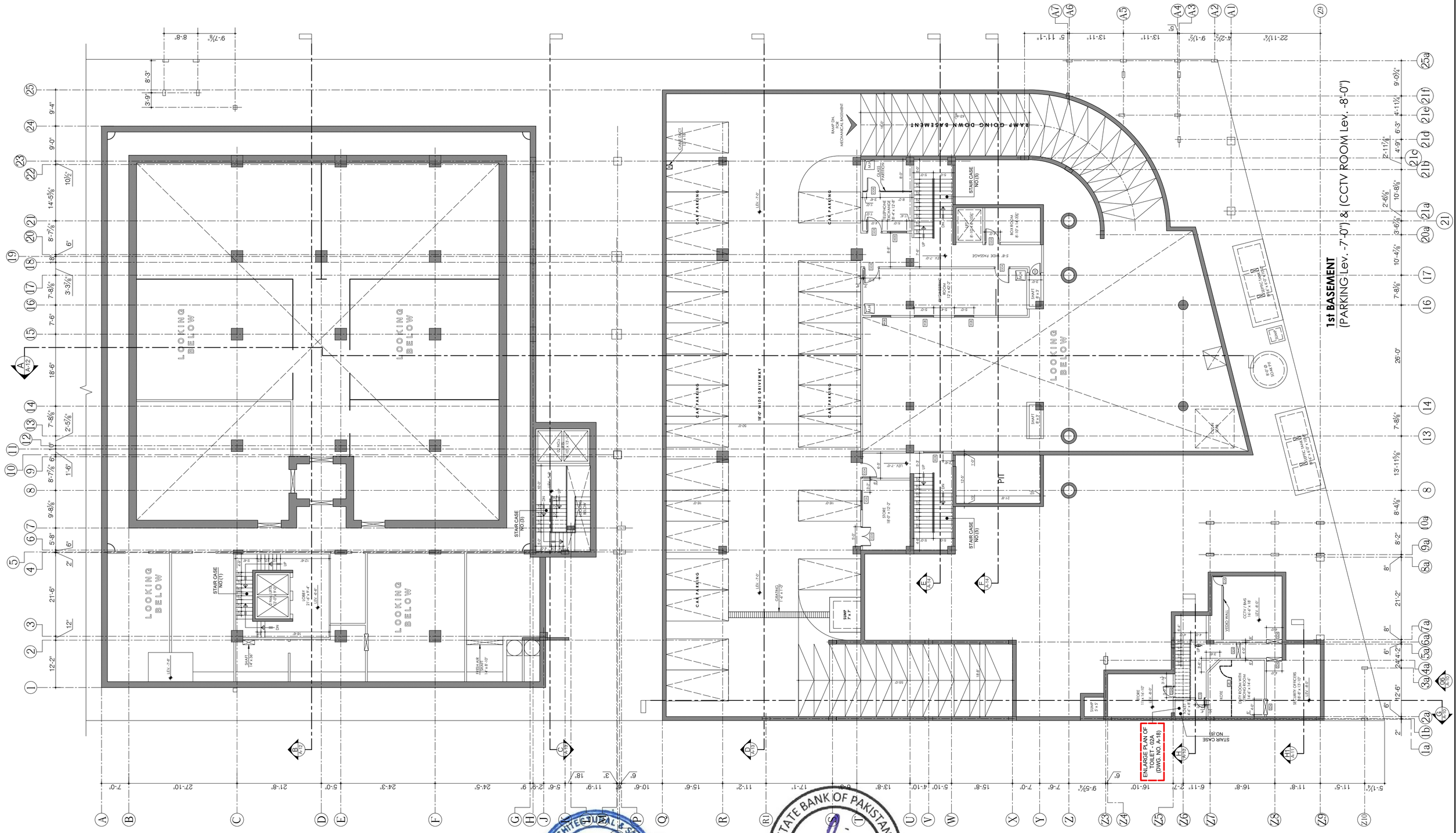
Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	SHEET REF.
	N.T.S	M. FAYSAL	S.GAZDAR		ARCH. A-00B



TENDER DRAWING

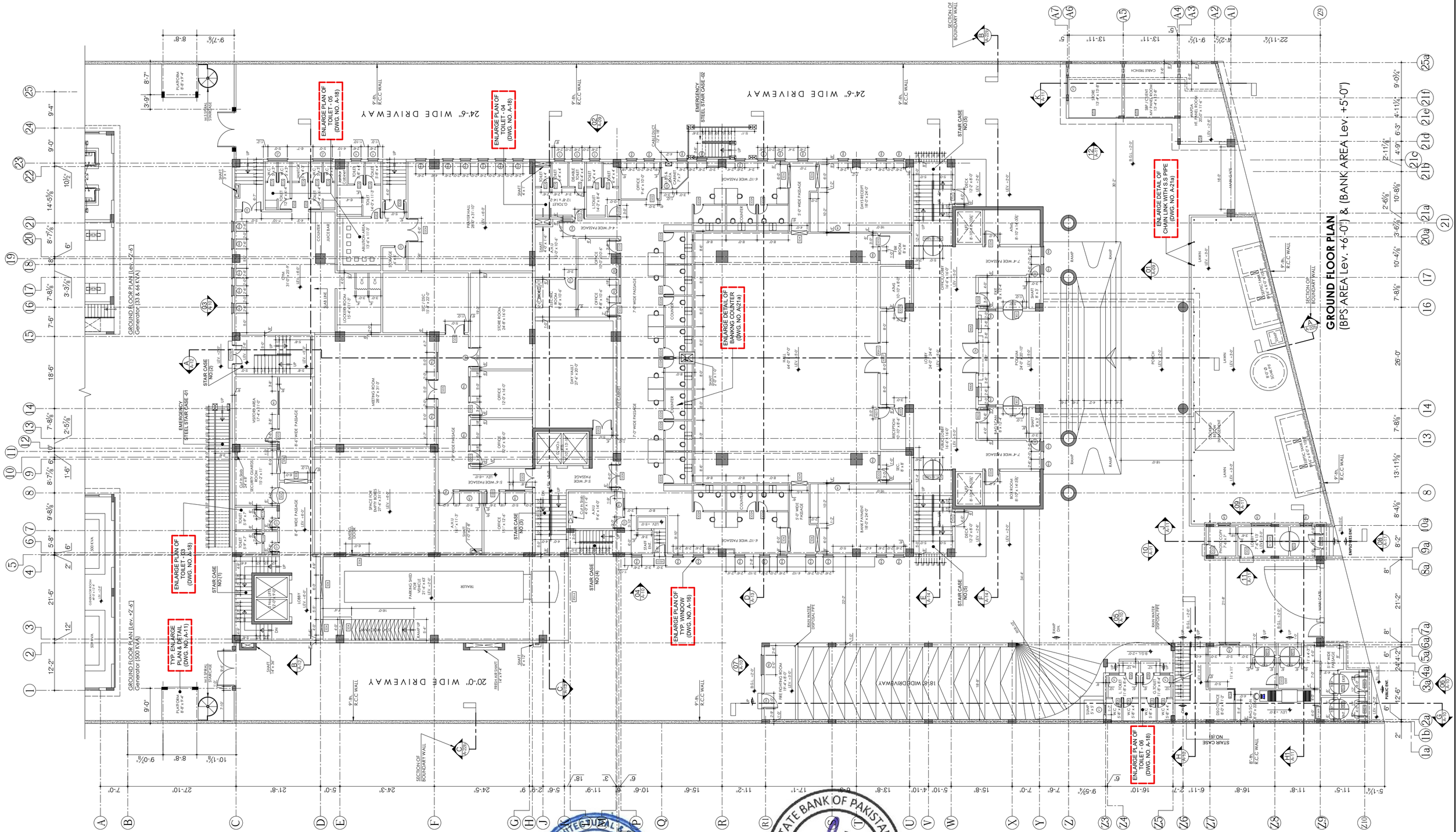
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: 2ND. BASEMENT	DATE: 16-11-2020	COM. LOCATION.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
				CHKD. BY: S.GAZDAR	JOB NO.
					SHEET REF. ARCH. **A-01**

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION

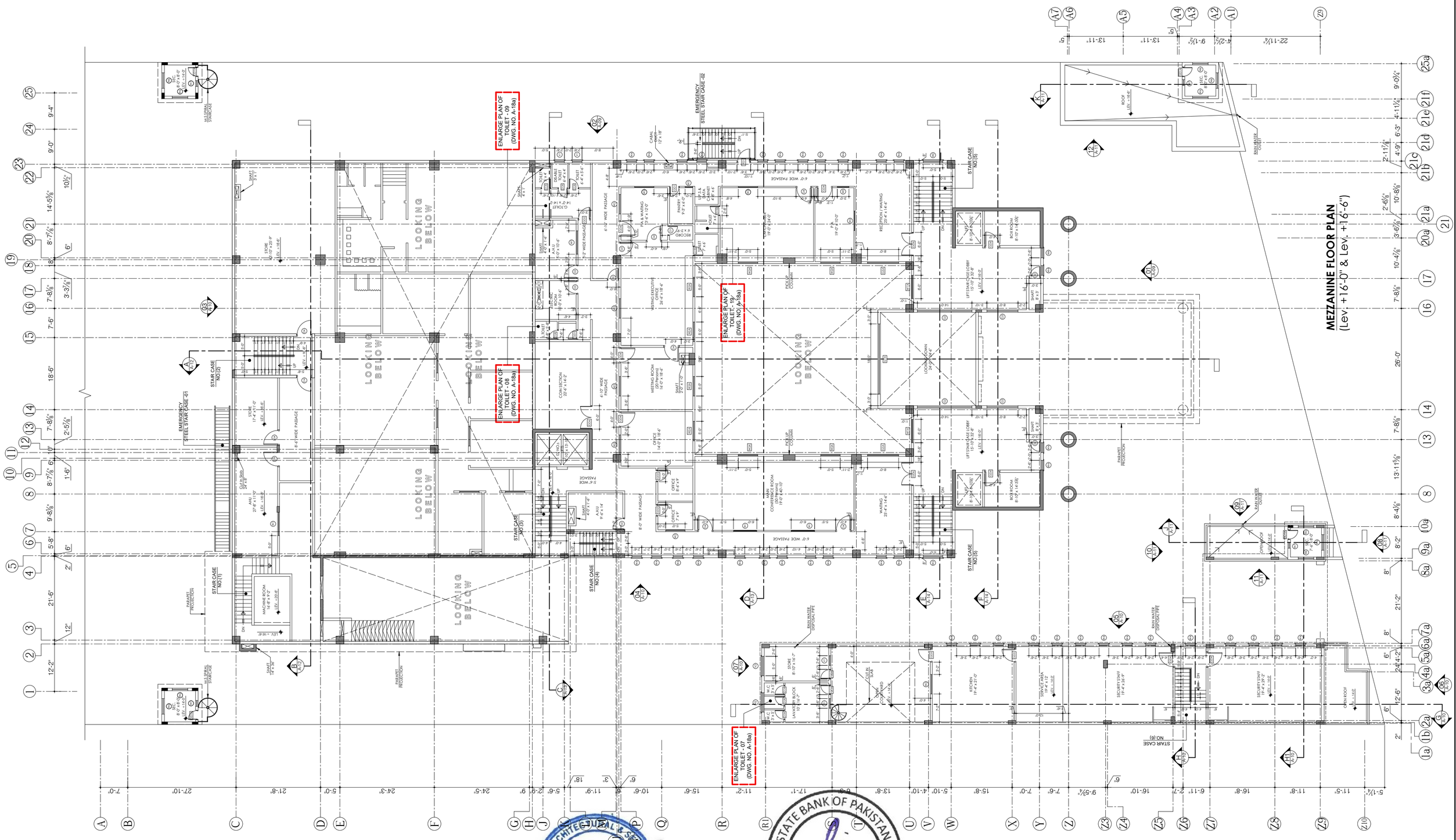


Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: 1ST. BASEMENT	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.	A-02

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION



Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND FLOOR PLAN	DATE: 16-11-2020 (REVISED)	COM. LOCATION. / SHEET REF. ARCH. A-03
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.



Client	Job	Consultant	TITLE	DATE	COM. LOCATION. / SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	MEZZANINE FLOOR PLAN	16-11-2020	ARCH. / A-04
			Ref. Rev.	SCALE: N.T.S / DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.	

FIRST FLOOR PLAN
(Lev. +27'-0")

ENLARGE PLAN OF TOILET - 12 (DWG NO. A-18a)

ENLARGE PLAN OF TOILET - 11 (DWG. NO. A-18a)

ENLARGE PLAN OF TOILET - 13 (DWG. NO. A-18a)

ENLARGE PLAN OF TOILET - 14 (DWG. NO. A-18a)

EMERGENCY STEEL STAIR CASE -01

STAIR CASE NO.(2)

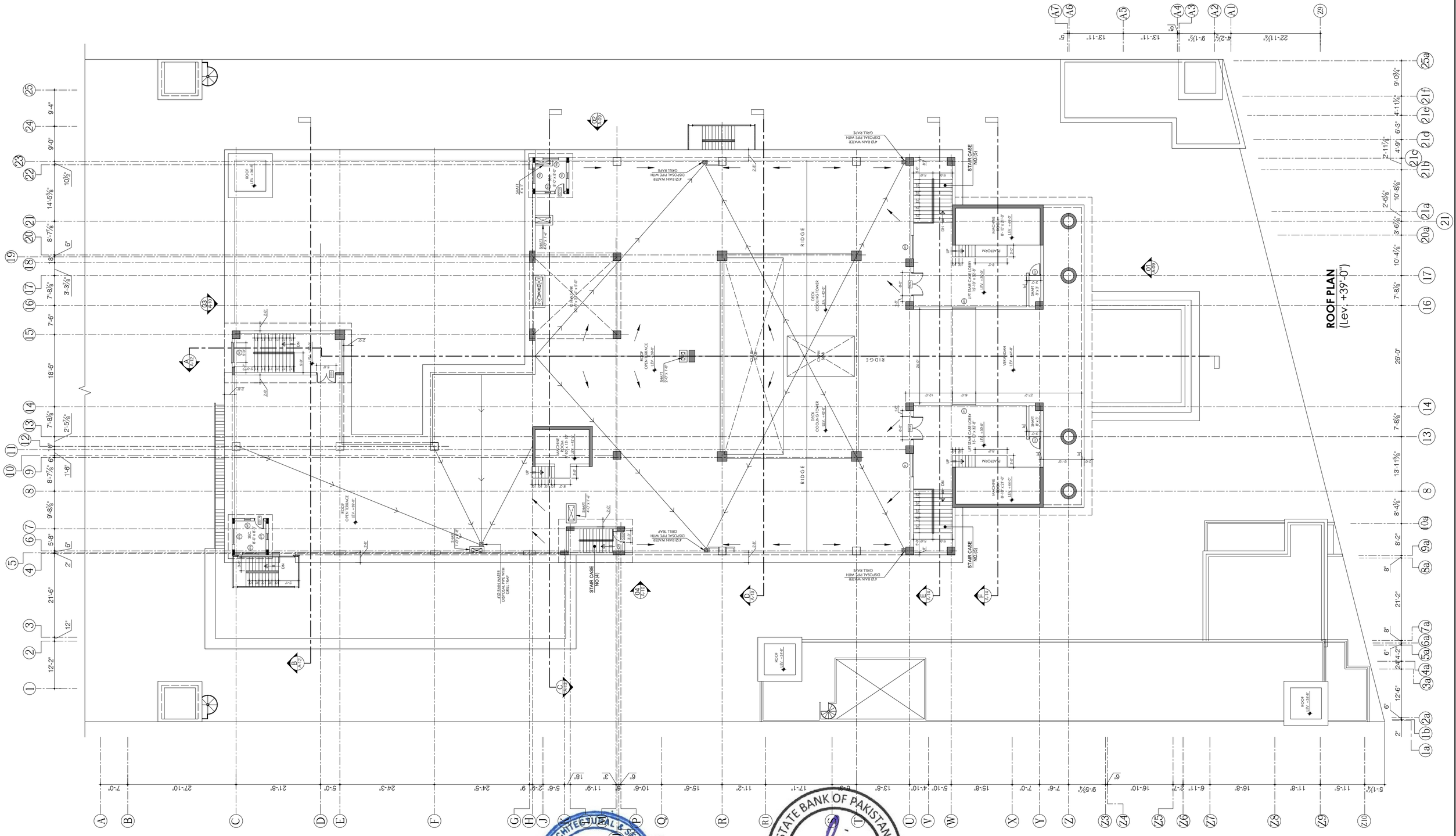
STAIR CASE NO.(4)

STAIR CASE NO.(5)

EMERGENCY STEEL STAIR CASE -02

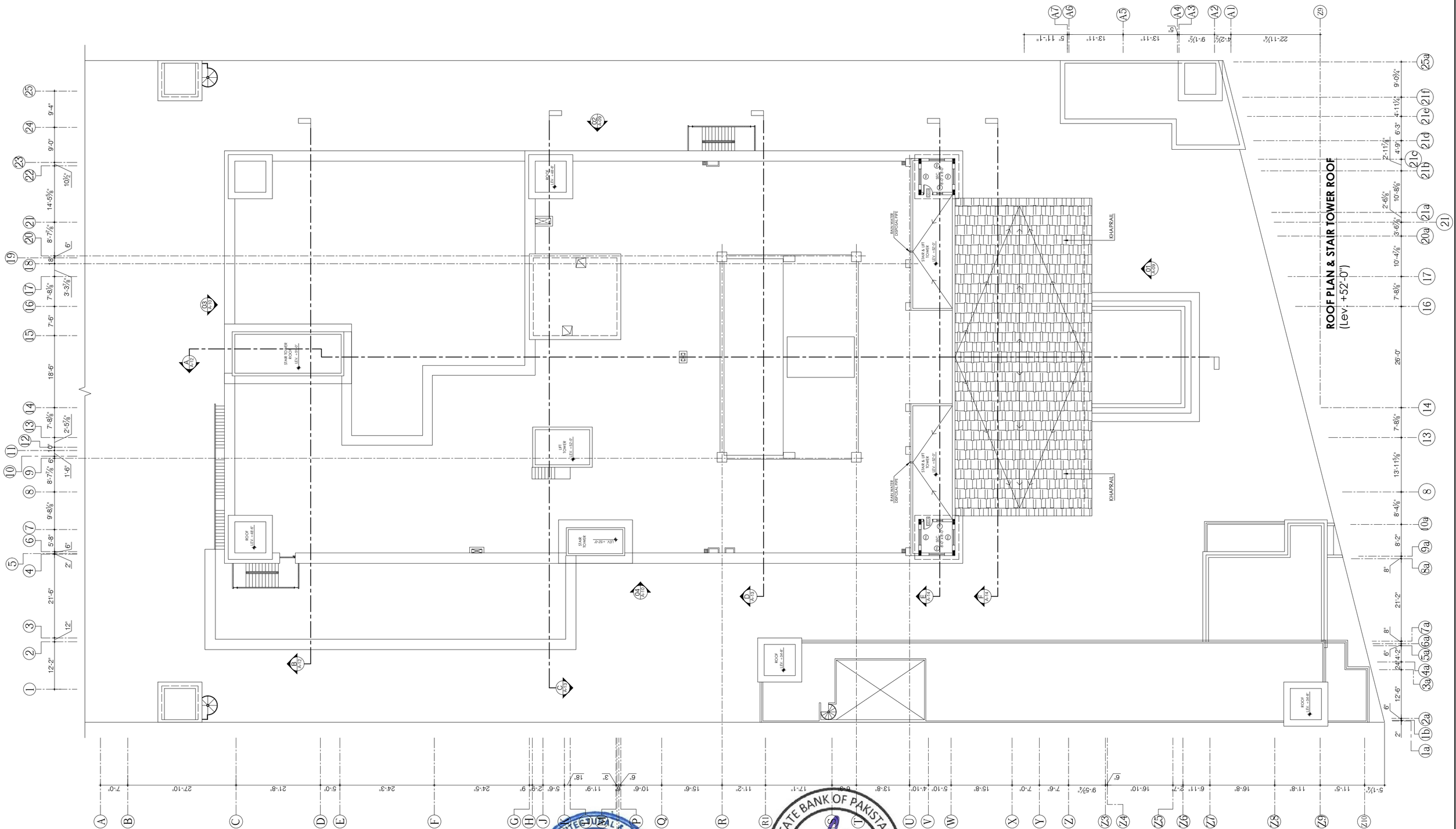
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: FIRST FLOOR PLAN	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH. A-05
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.



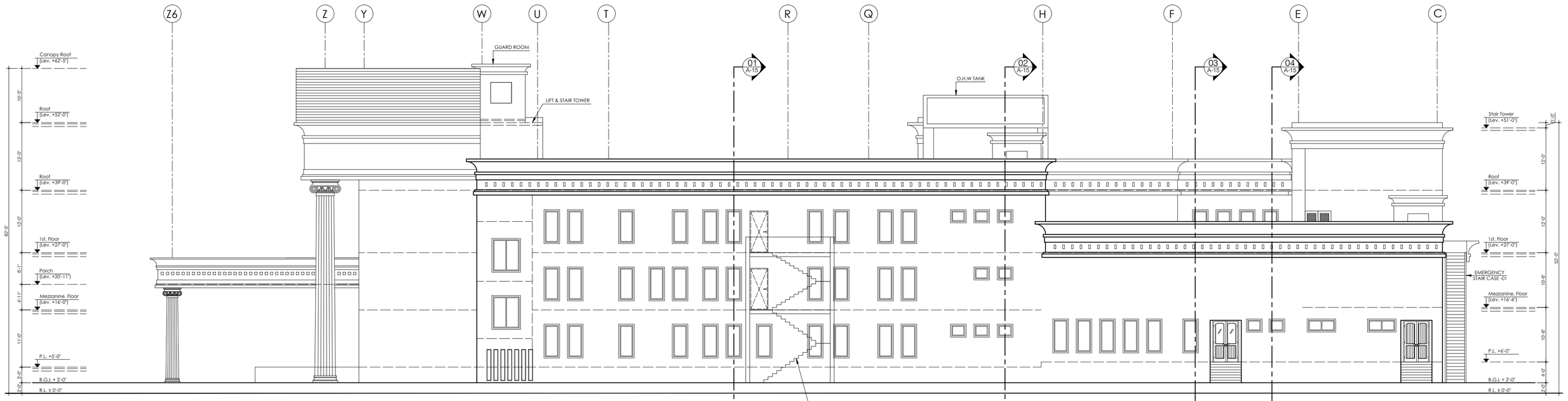
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: ROOF PLAN	DATE: 16-11-2020	COM. LOCATION.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
			CHKD. BY: S.GAZDAR	JOB NO.	SHEET REF. ARCH. **A-06**

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION

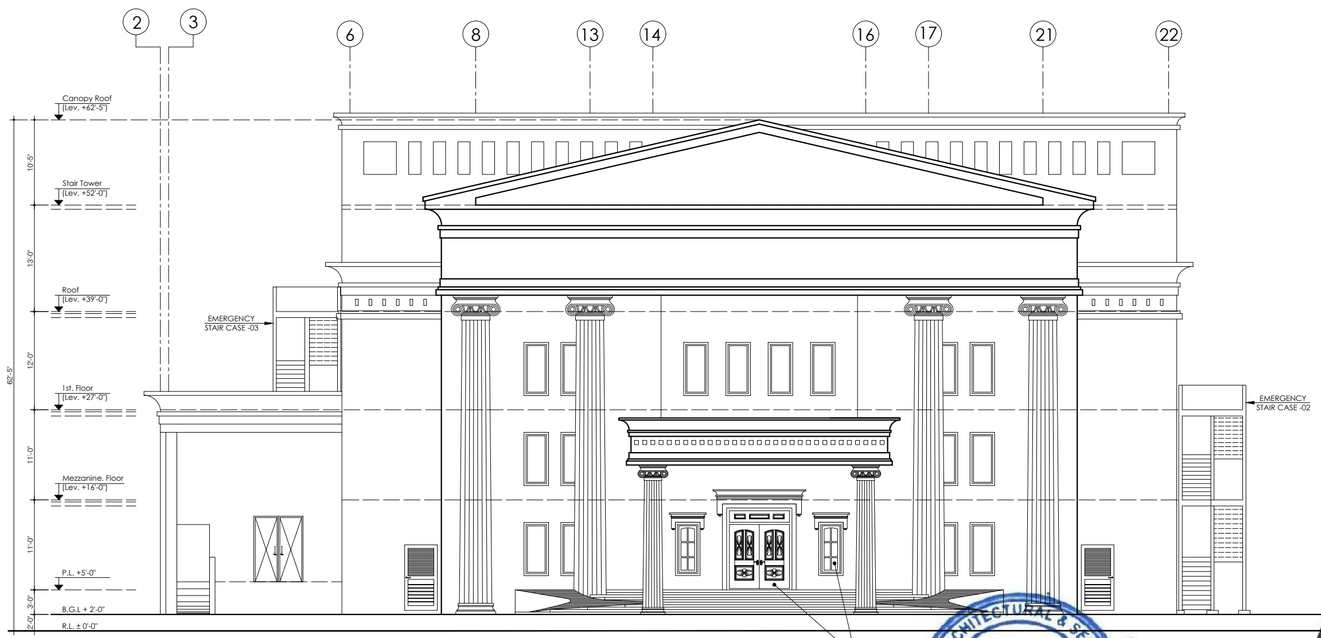


TENDER DRAWING

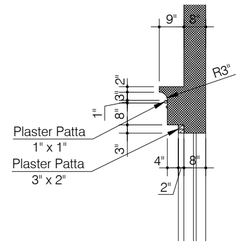
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: ROOF PLAN & STAIR TOWER ROOF	DATE: 16-11-2020	SHEET REF. ARCH. A-07
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.



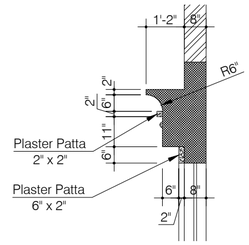
ELEVATION -02



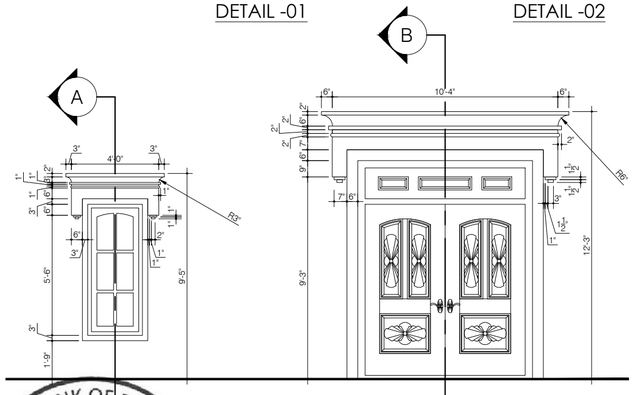
ELEVATION -01



DETAIL -01

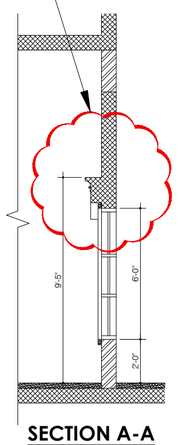


DETAIL -02



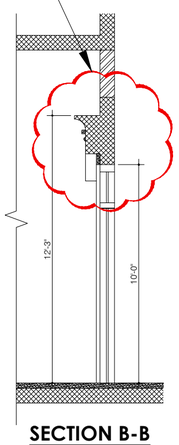
DETAIL OF MAIN ENTRANCE

DETAIL -01



SECTION A-A

DETAIL -02



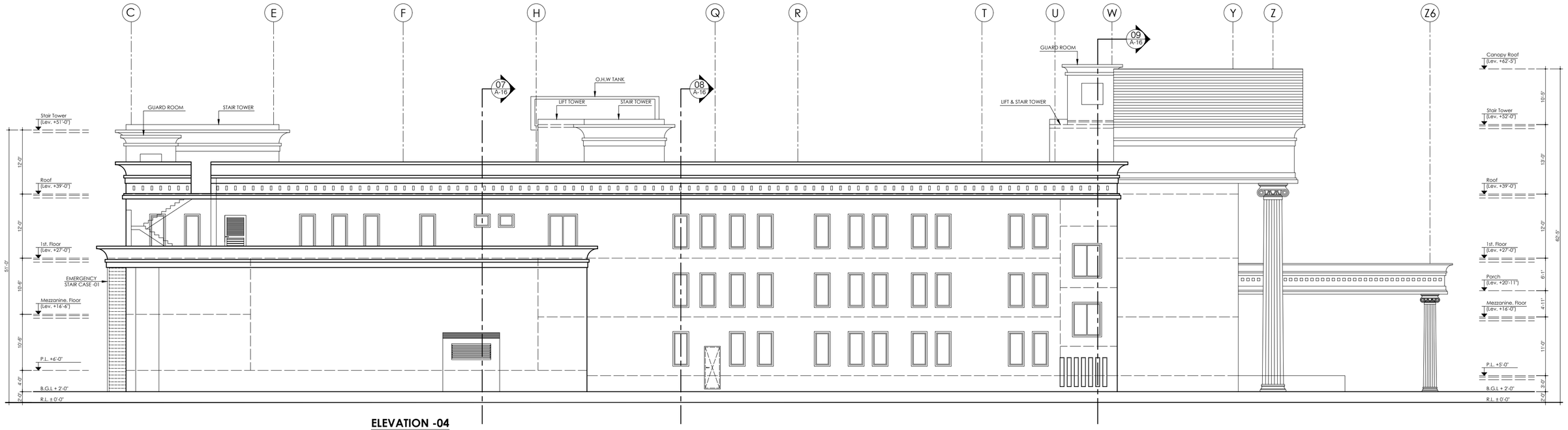
SECTION B-B

TENDER DRAWING

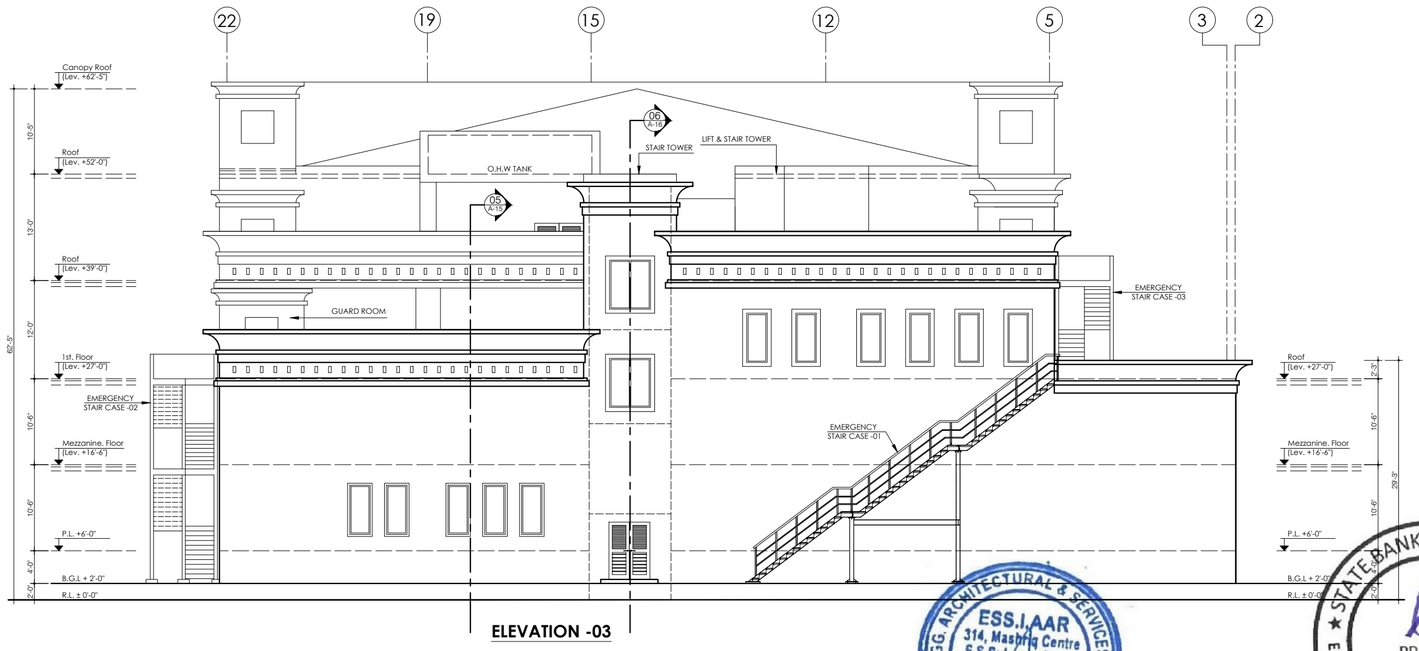
ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre 5.S Sulaiman Road, Gulshan-e-Iqbal

STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ENGINEERING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ELEVATIONS 01 & 02	DATE: 16-11-2020 (REVISED)	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR / JOB NO. / **A-08**



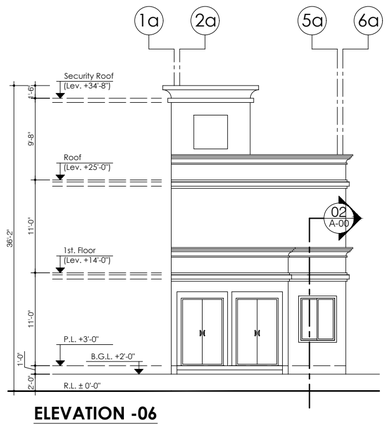
ELEVATION -04



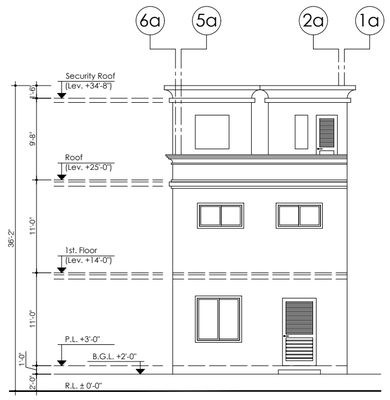
ELEVATION -03

TENDER DRAWING

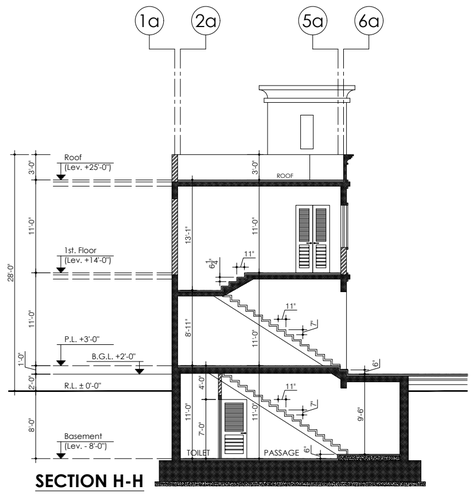
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ELEVATIONS 03 & 04	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	A-09



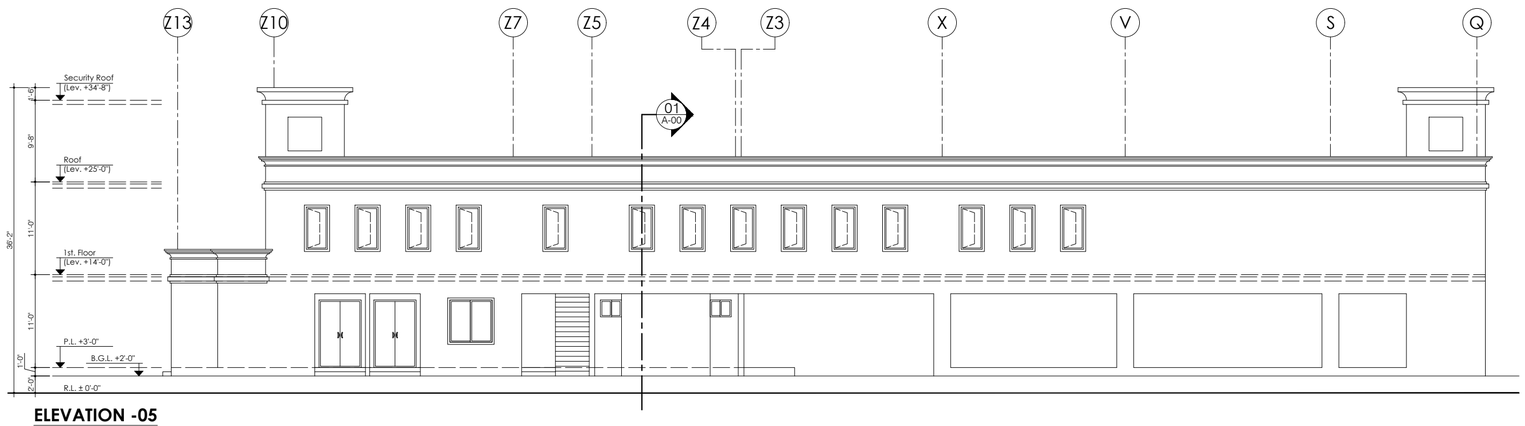
ELEVATION -06



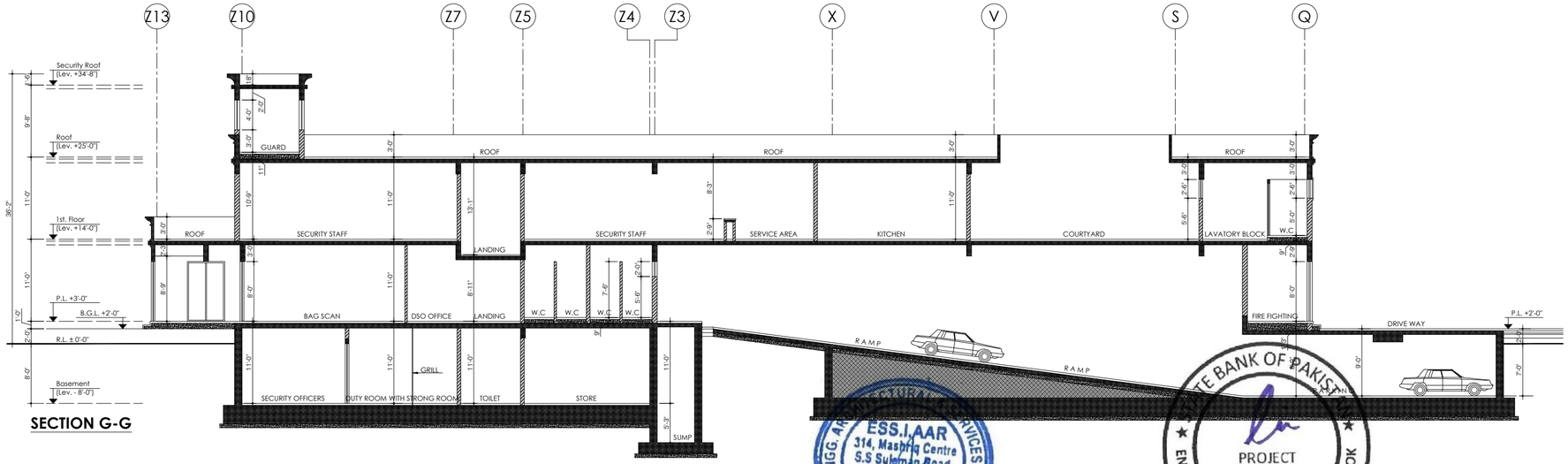
ELEVATION -07



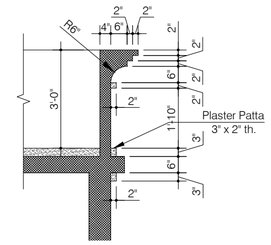
SECTION H-H



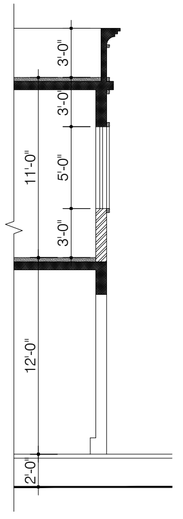
ELEVATION -05



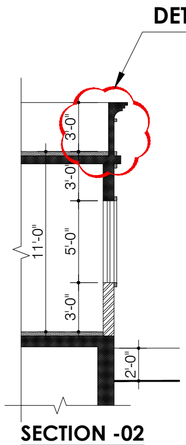
SECTION G-G



DETAIL -X



SECTION -01

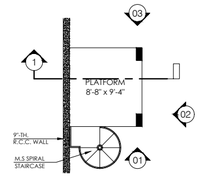


SECTION -02

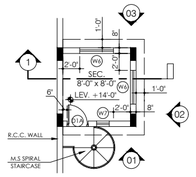
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ELEVATION, SECTIONS & PART SECTIONS	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**A-10**

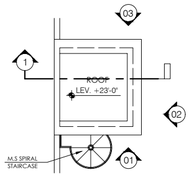
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Block 14 Karachi
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION



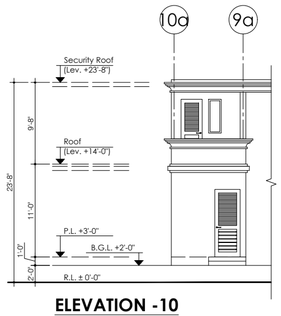
GROUND FLOOR PLAN



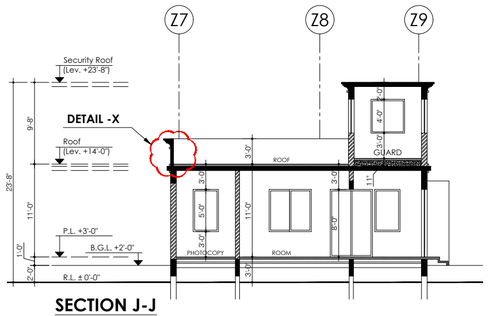
PLAN At Lev. +14'-0"



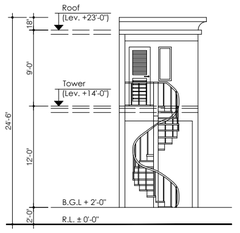
ROOF PLAN



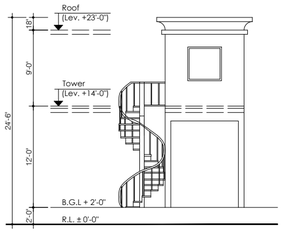
ELEVATION -10



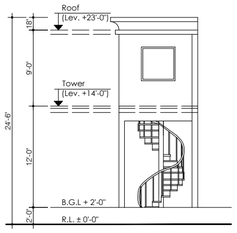
SECTION J-J



ELEVATION -01



ELEVATION -02



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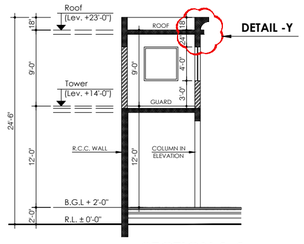
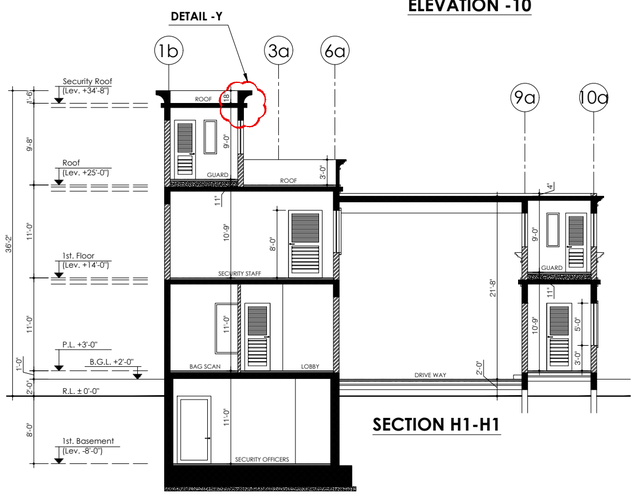
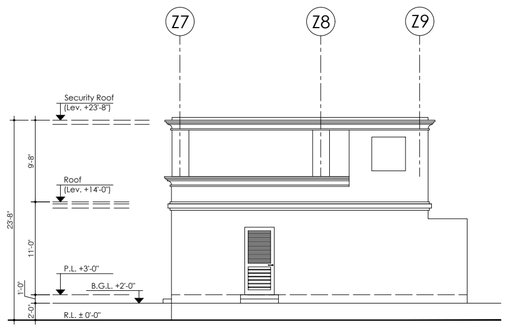


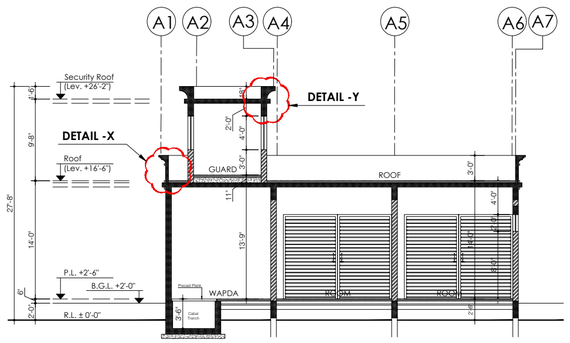
SECTION 1-1



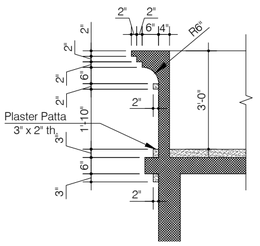
SECTION H1-H1



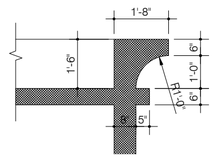
ELEVATION -11



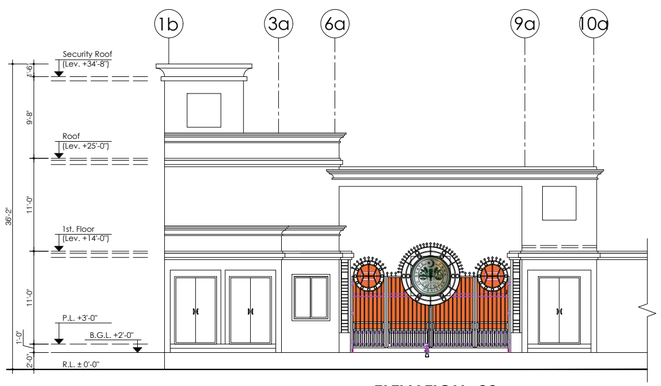
SECTION K-K



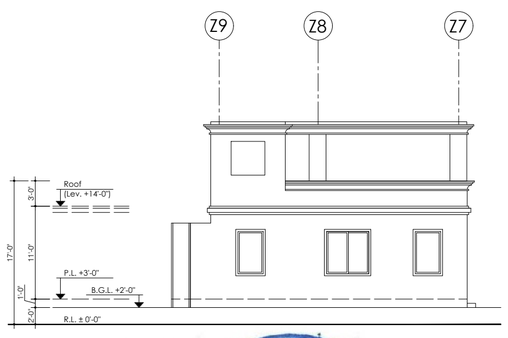
DETAIL -X



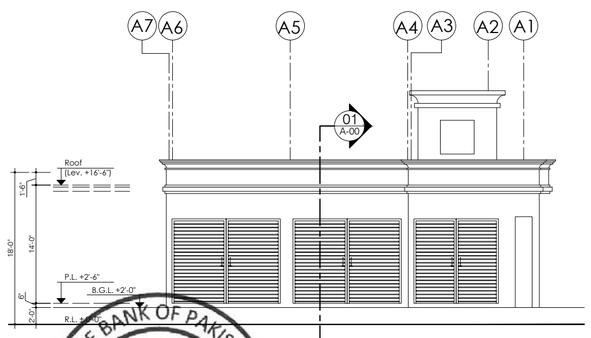
DETAIL -Y



ELEVATION -08

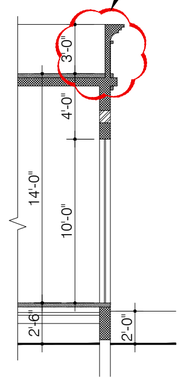


ELEVATION -09



ELEVATION -12

DETAIL -X

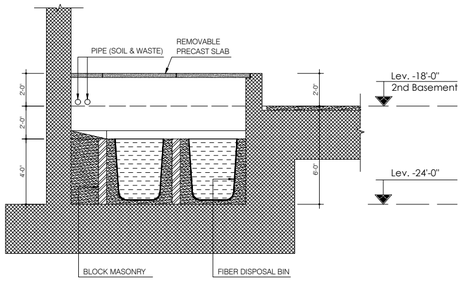


SECTION -01

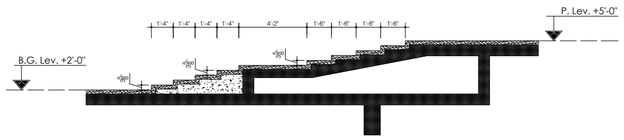
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ELEVATION, SECTIONS & PART SECTIONS	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	A-11

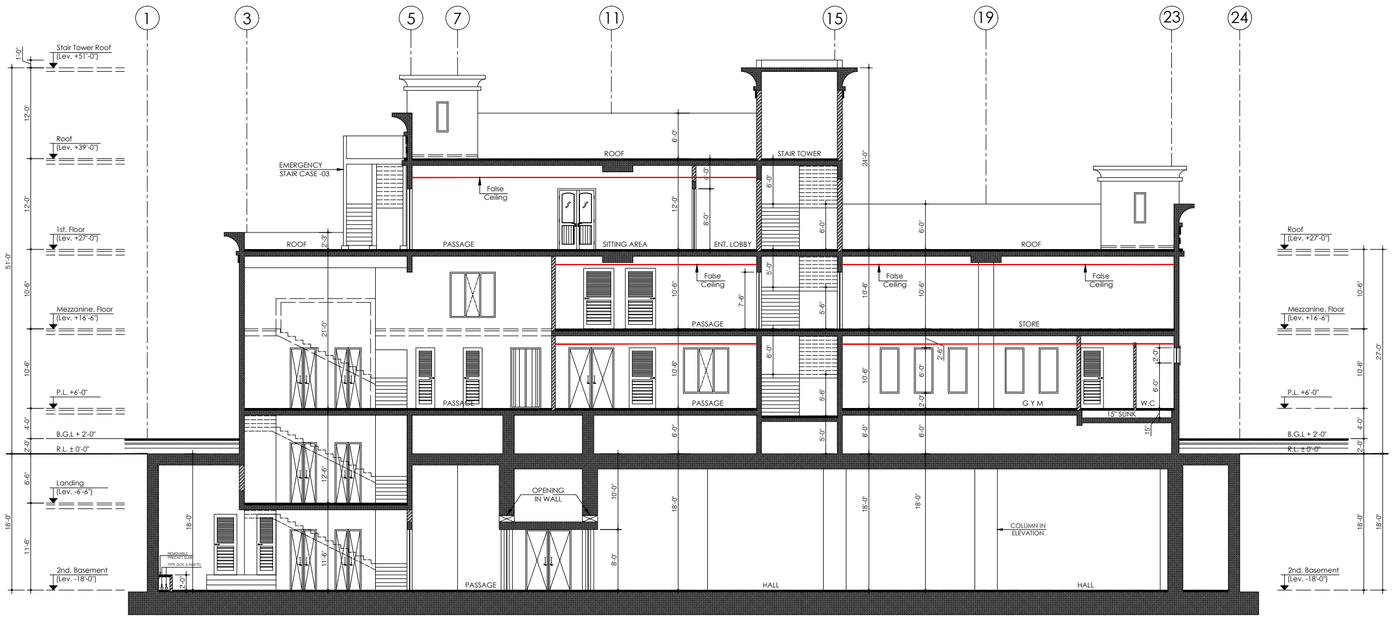
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION



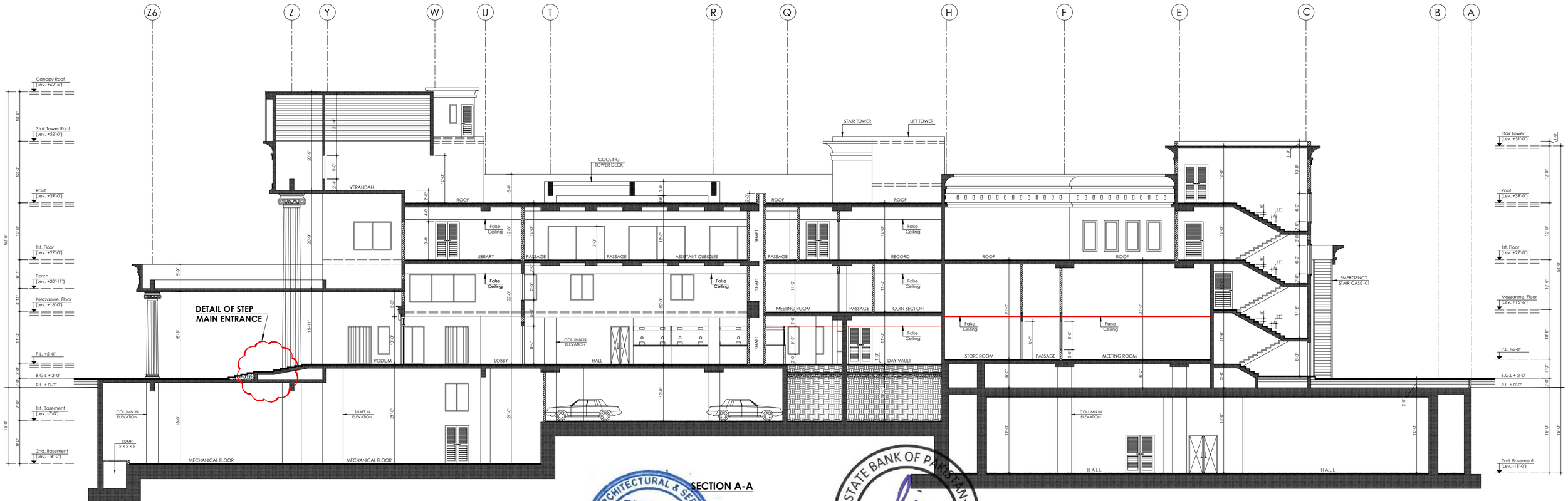
SECTION B1-B1



DETAIL OF STEPS MAIN ENTRANCE



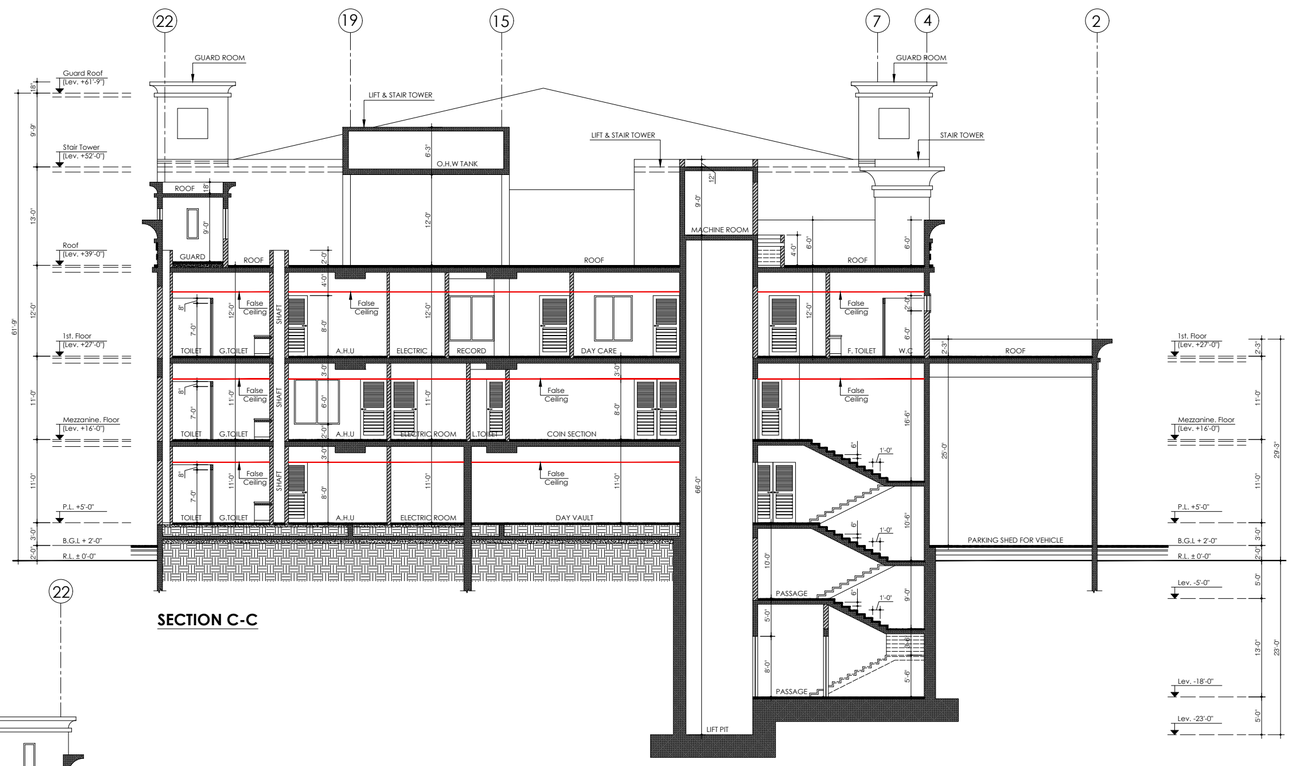
SECTION B-B



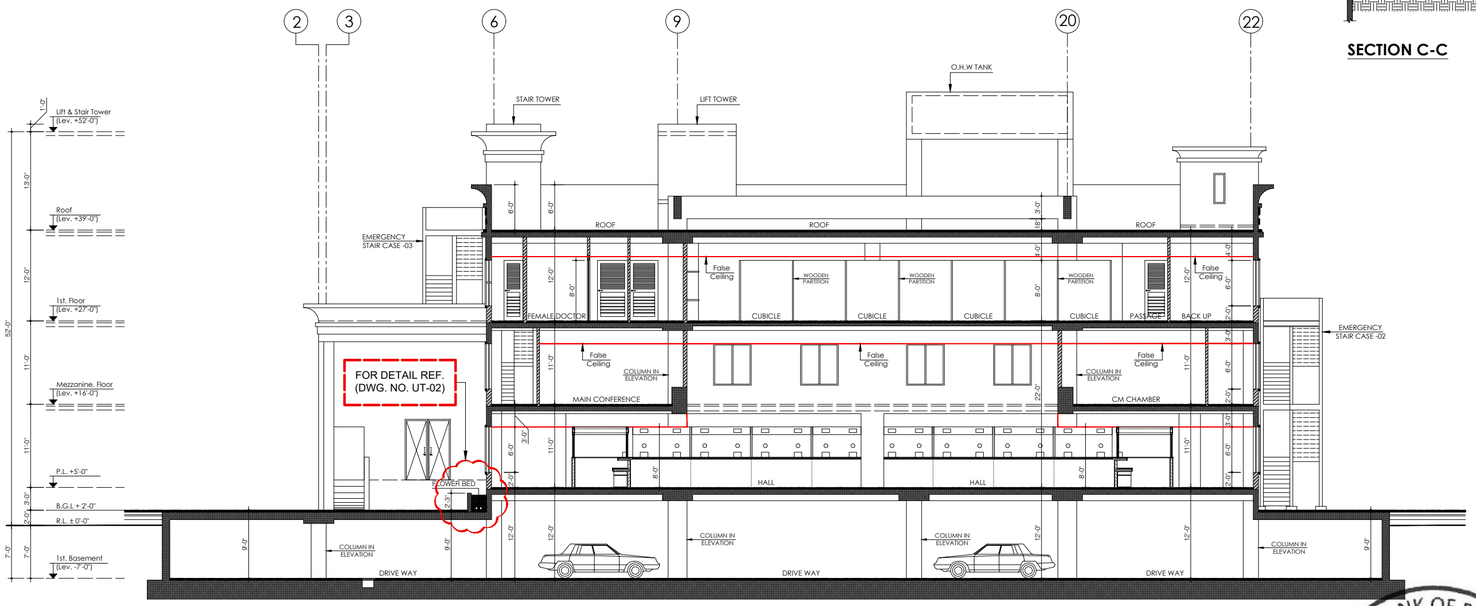
SECTION A-A

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: SECTION A-A & B-B	DATE: 16-11-2020	COM. LOCATION.
				REVISED	SHEET REF. ARCH.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	A-12



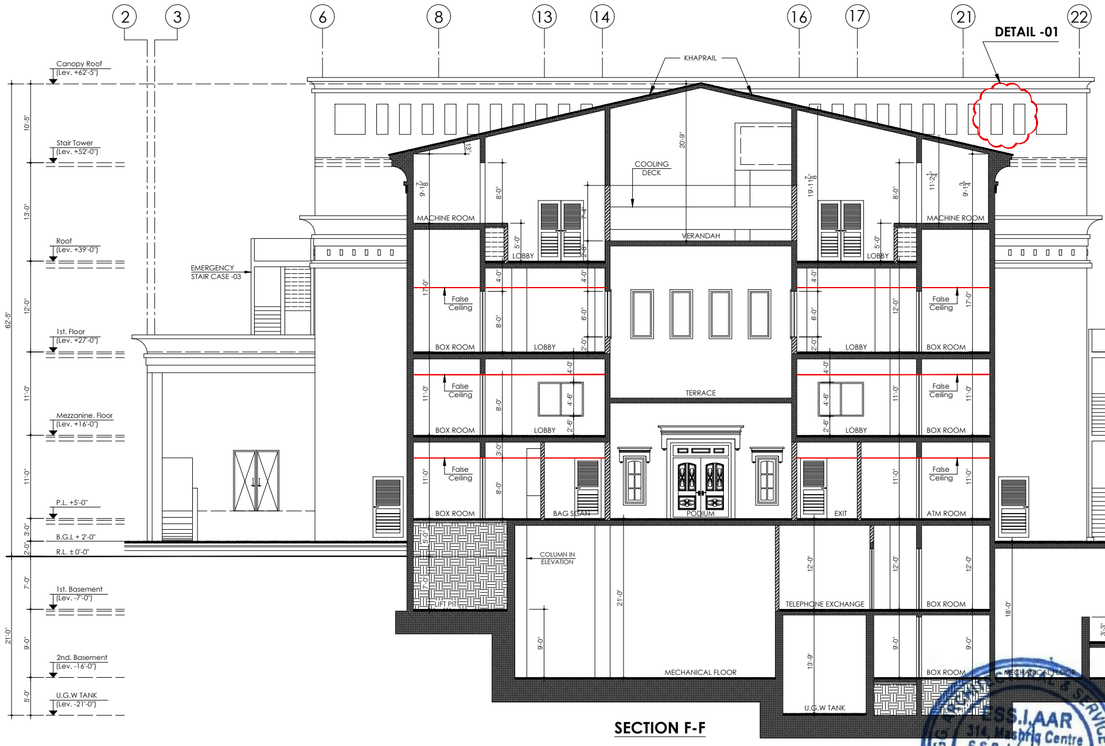
SECTION C-C



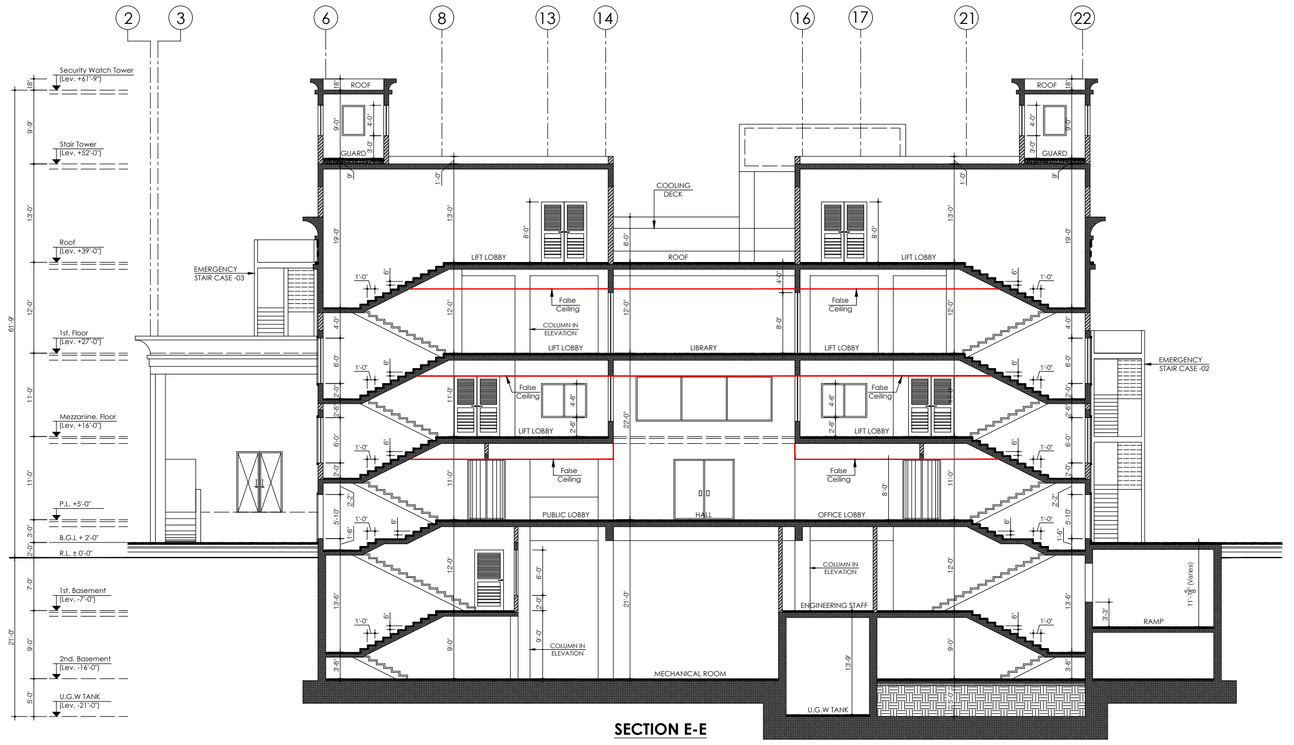
SECTION D-D

TENDER DRAWING

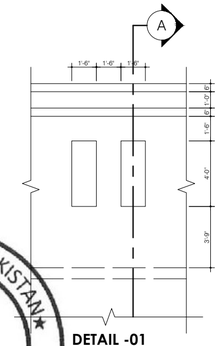
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: SECTION C-C & D-D	DATE: 16-11-2020 (REVISED)	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-13**



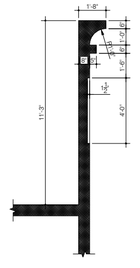
SECTION F-F



SECTION E-E



DETAIL -01

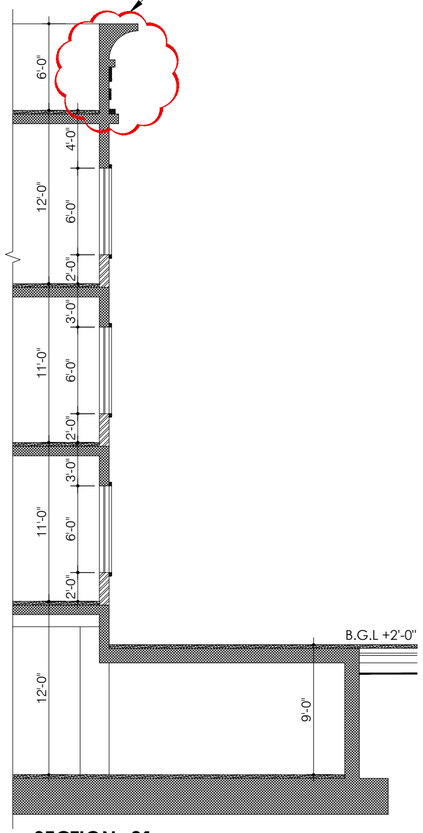


SECTION A-A

TENDER DRAWING

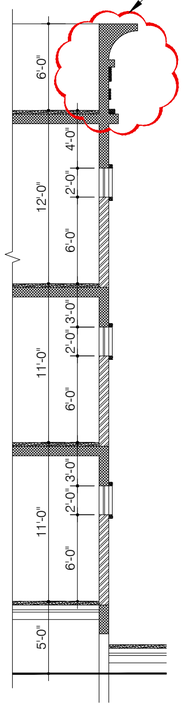
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: SECTION E-E & F-F	DATE: 16-11-2020	COM. LOCATION.
				REVISED	SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.	A-14

DETAIL -01



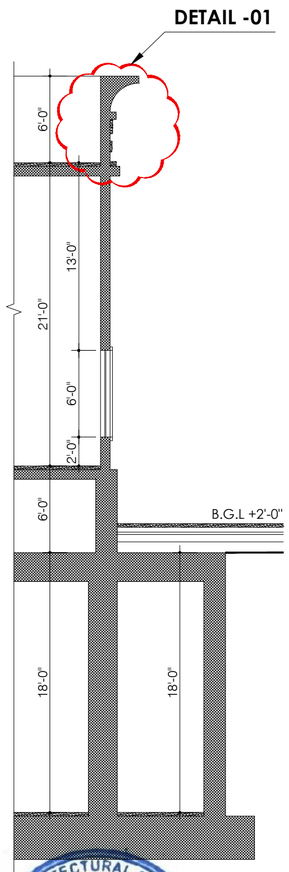
SECTION -01

DETAIL -01



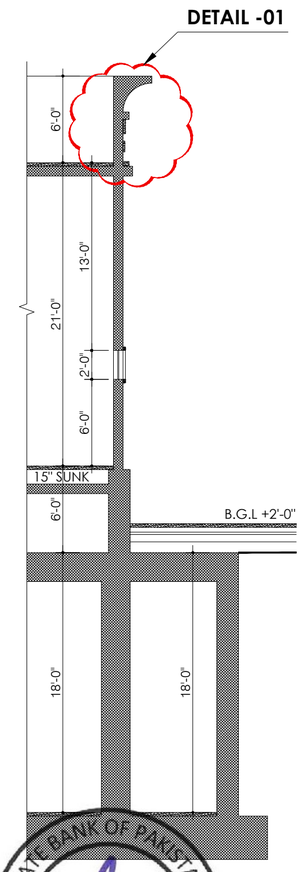
SECTION -02

DETAIL -01



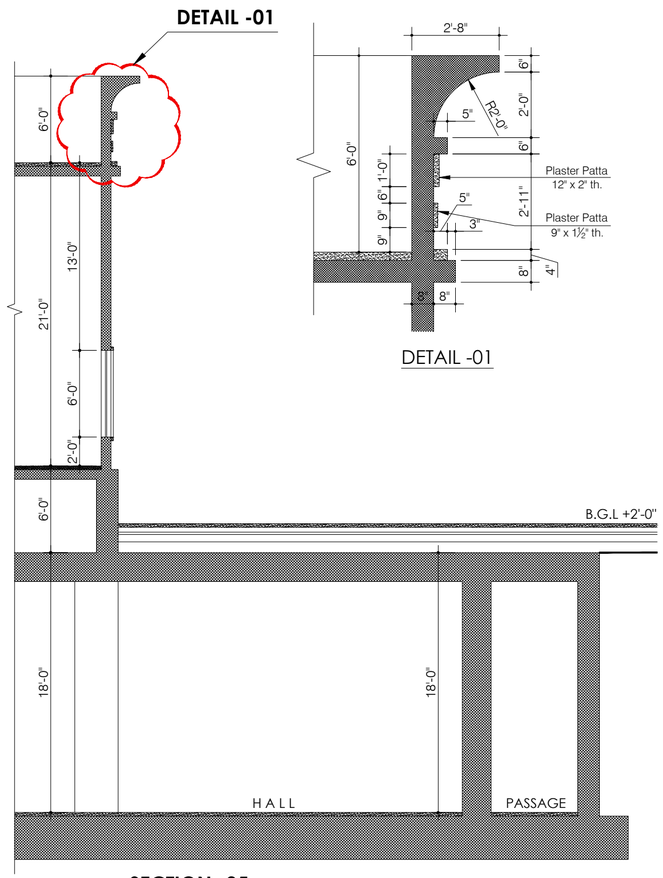
SECTION -03

DETAIL -01



SECTION -04

DETAIL -01



SECTION -05

DETAIL -01

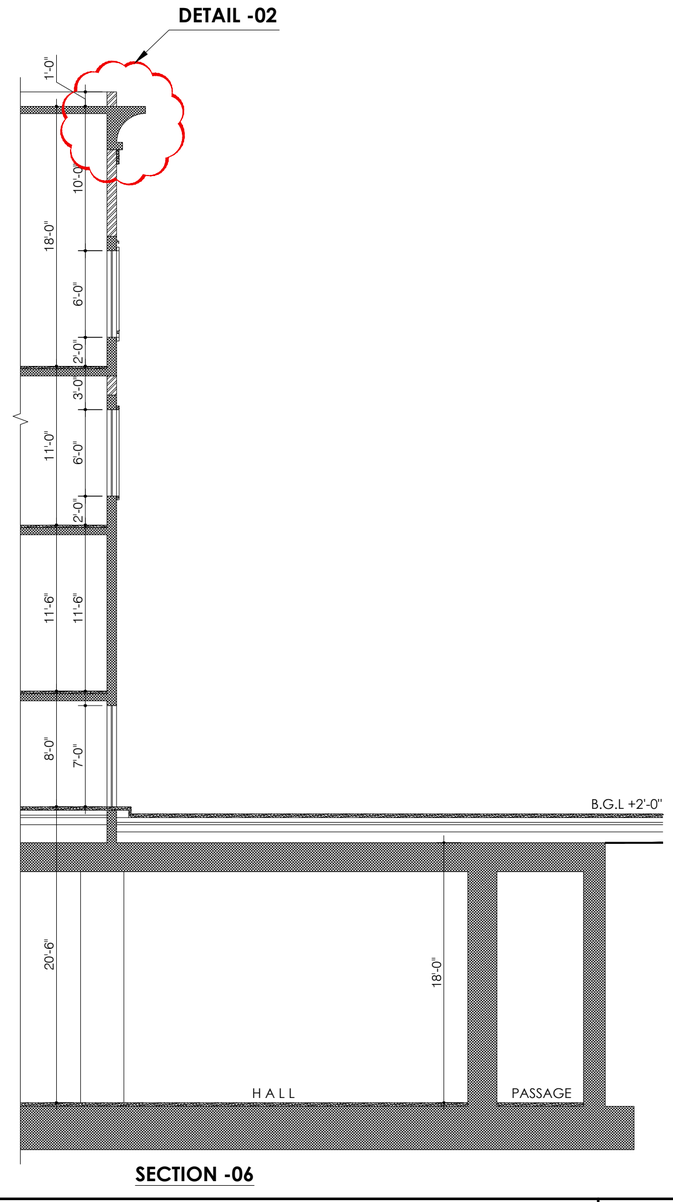
DETAIL -01

TENDER DRAWING

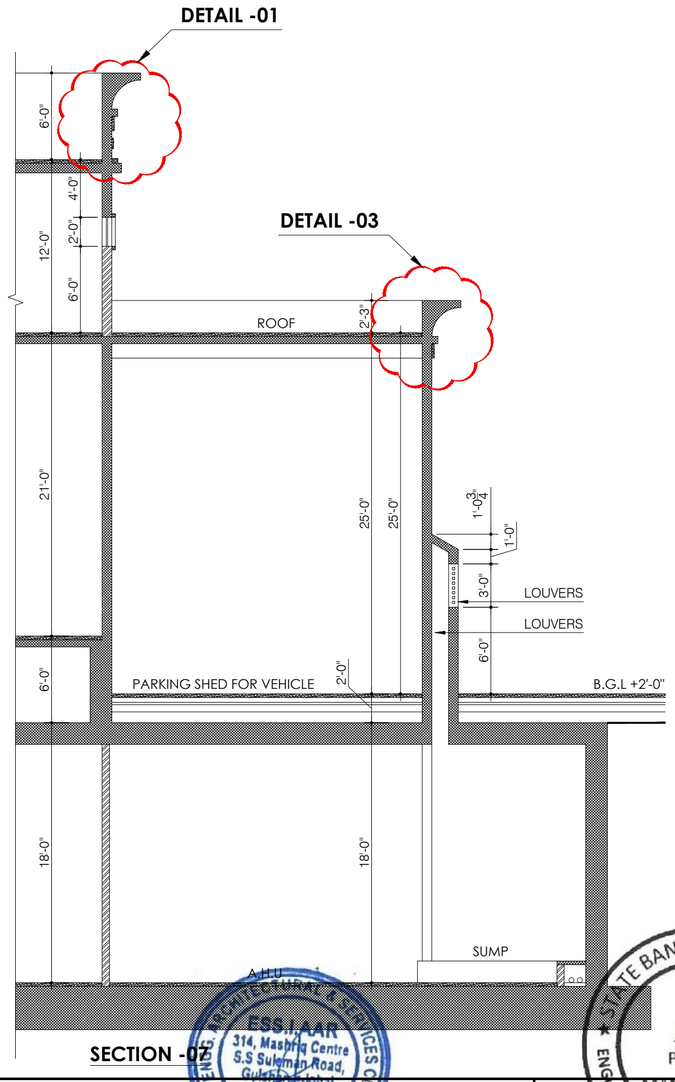
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: PART SECTION & DETAILS	DATE: 16-11-2020 (DAY / MONTH / YEAR)
			COM. LOCATION.	SHEET REF. ARCH.
			Ref. Rev.	SCALE N.T.S
			DRAWN M. FAYSAL	CHKD. BY S.GAZDAR
			JOB NO.	**A-15**

ENGG. ARCHITECTURAL & SERVICES CONSULTANTS ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

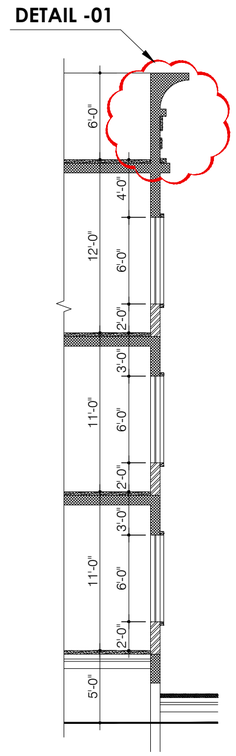
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION ENGINEERING DEPARTMENT BSP BSC HOK



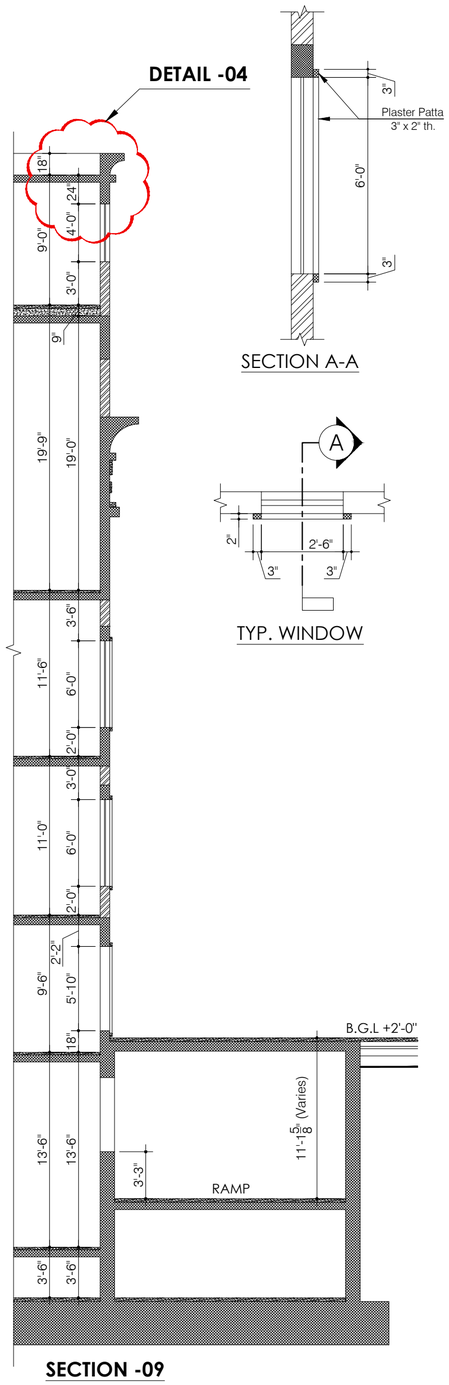
SECTION -06



SECTION -07



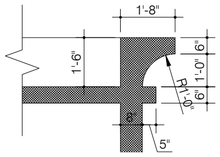
SECTION -08



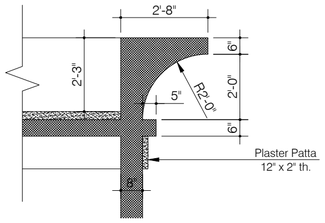
SECTION -09

SECTION A-A

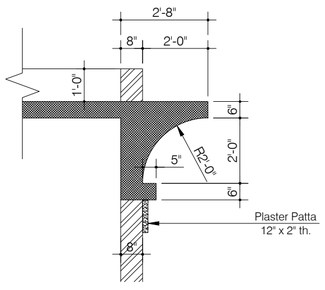
TYP. WINDOW



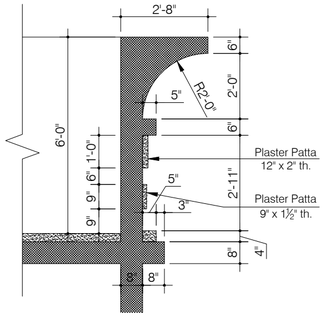
DETAIL -04



DETAIL -03



DETAIL -02



DETAIL -01

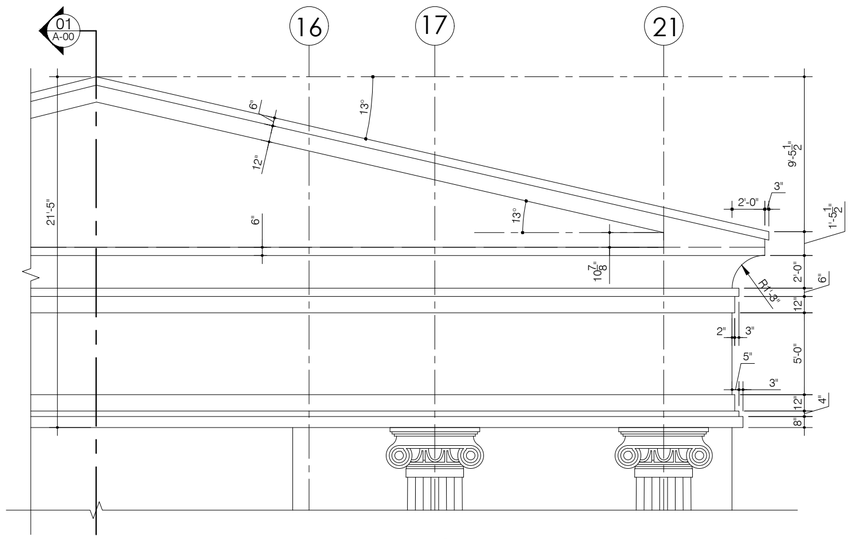
TENDER DRAWING

ESS-I-AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

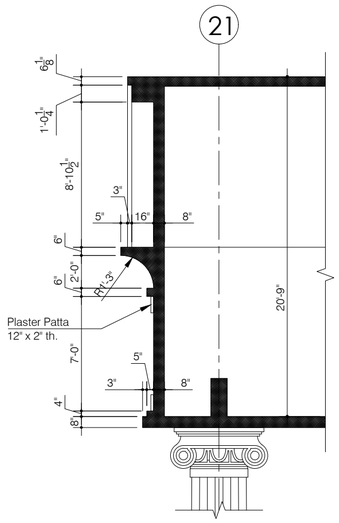
Client	Job	Consultant	TITLE
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	PART SECTION & DETAILS

DATE	COM. LOCATION.	SHEET REF.
16-11-2020		ARCH.

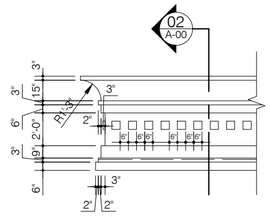
Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	
	N.T.S	M. FAYSAL	S.GAZDAR		A-16



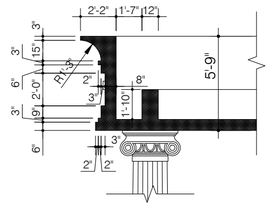
DETAIL -01



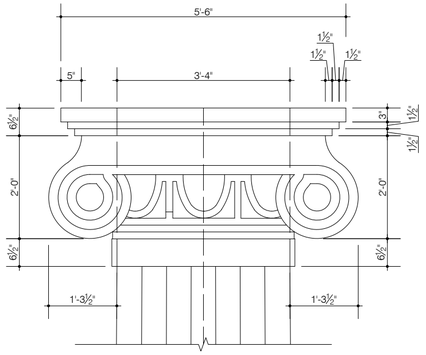
SECTION -01

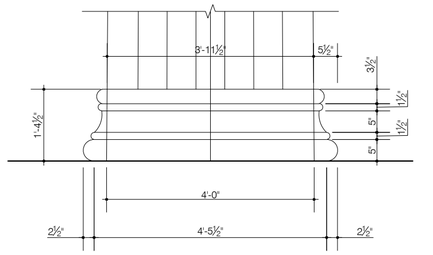


DETAIL -02

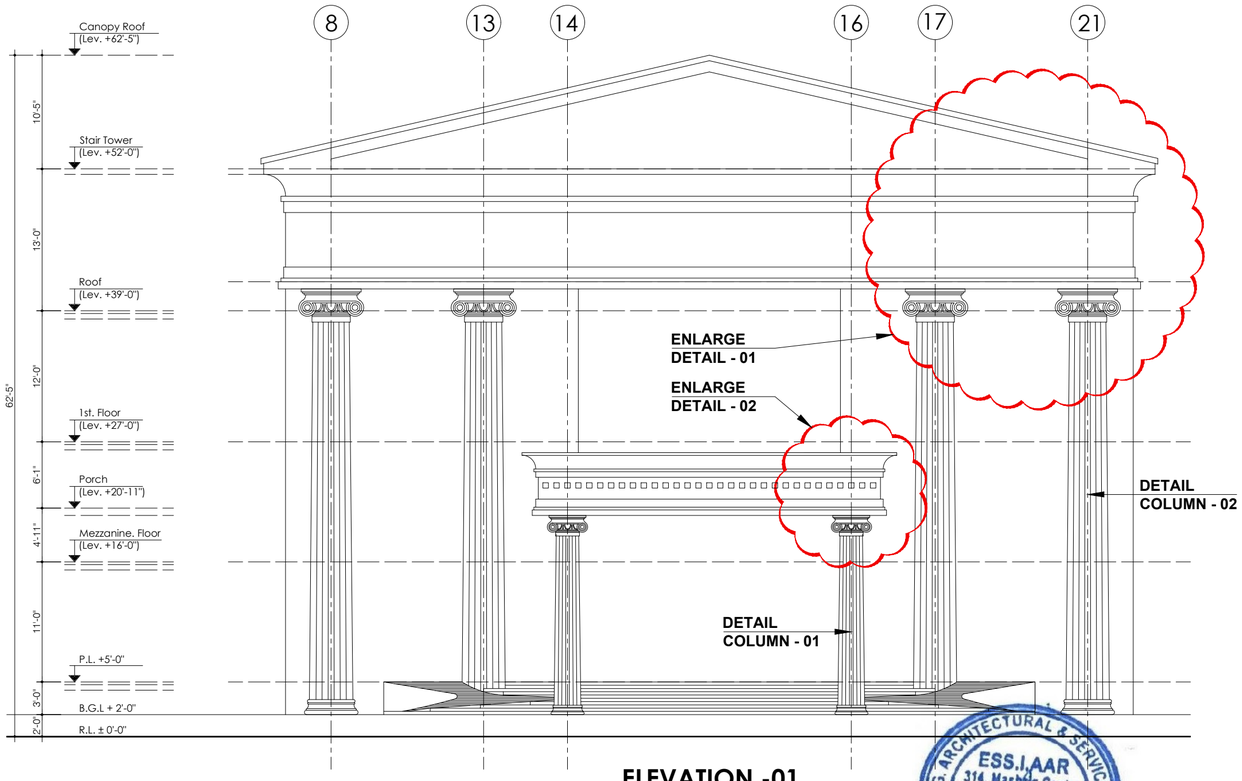


SECTION -02

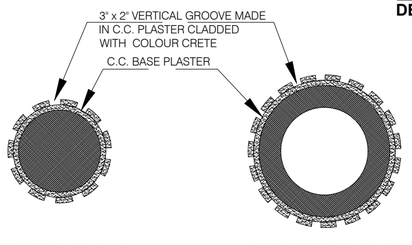




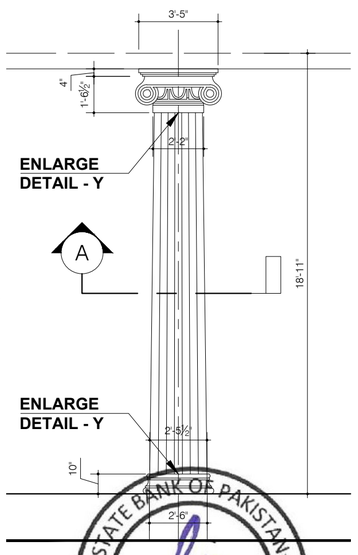
DETAIL - X



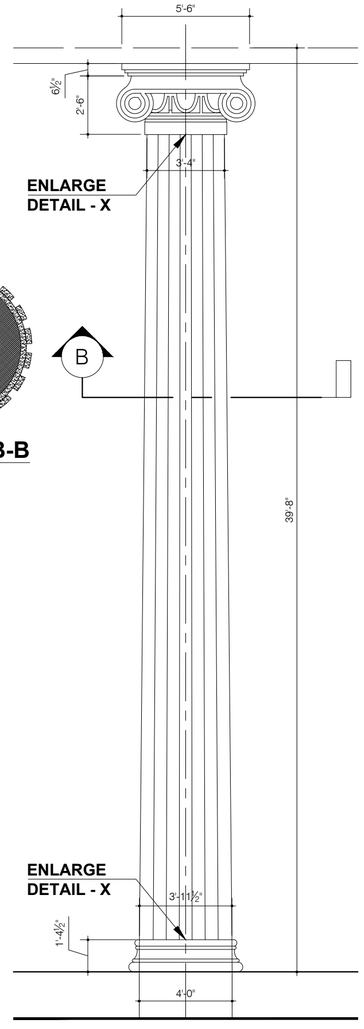
ELEVATION -01



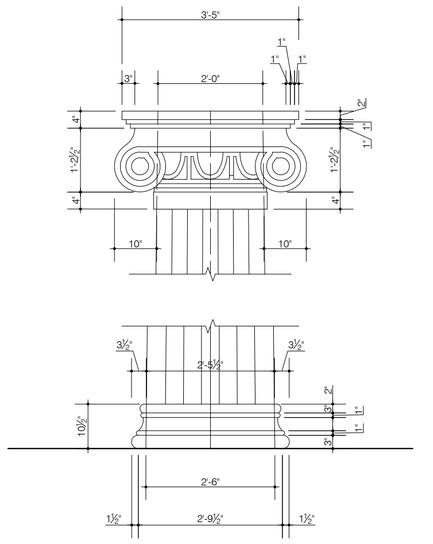
SECTION A-A **SECTION B-B**



COLUMN -01



COLUMN -02

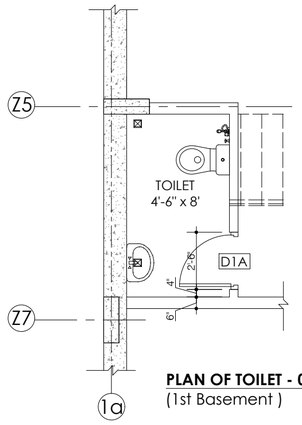


DETAIL - Y

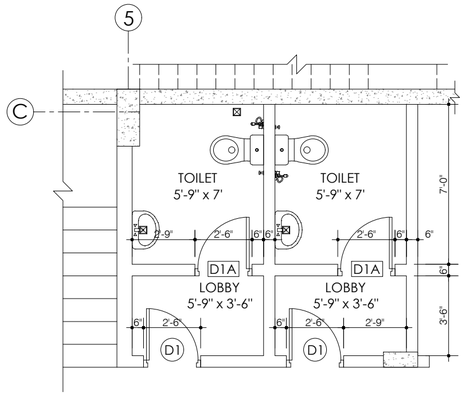
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: DETAIL OF CANOPY & SECTIONS	DATE: 16-11-2020 (REVISED)	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-17**

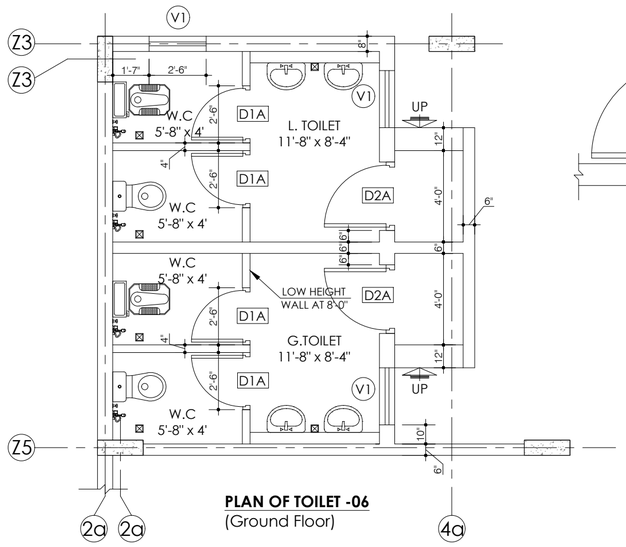
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Block 14 Karachi
STATE BANK OF PAKISTAN ★ ENGG. ARCHITECTURAL & SERVICES CONSULTANTS ★ PROJECT MANAGEMENT DIVISION



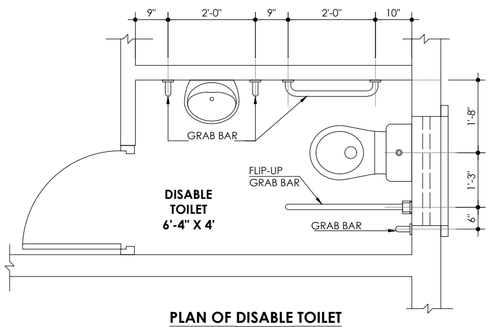
PLAN OF TOILET - 02A
(1st Basement)



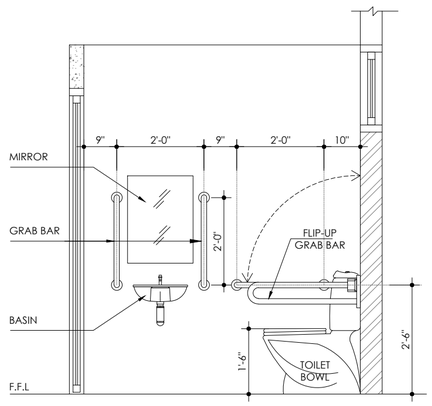
PLAN OF TOILET -03
(Ground Floor)



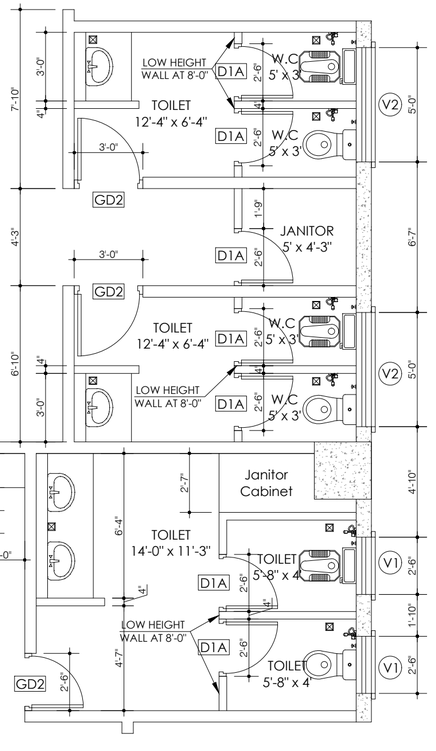
PLAN OF TOILET -06
(Ground Floor)



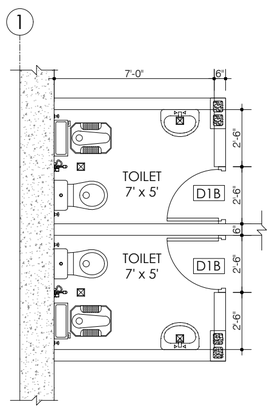
PLAN OF DISABLE TOILET



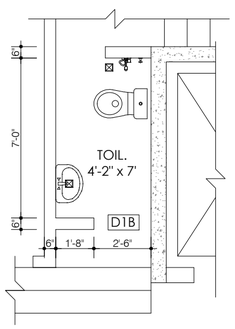
TYP. SECTION OF DISABLE TOILET



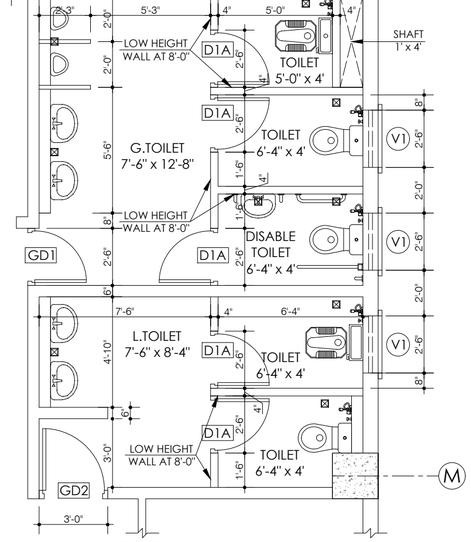
PLAN OF TOILET -05
(Ground Floor)



PLAN OF TOILET -01
(2nd Basement)



PLAN OF TOILET -02
(2nd Basement)

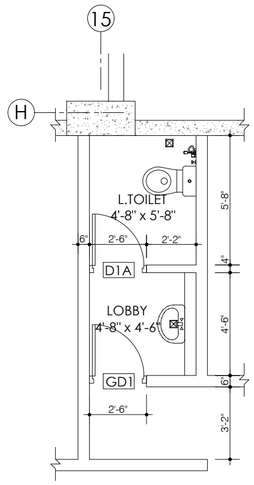


PLAN OF TOILET -04
(Ground Floor)

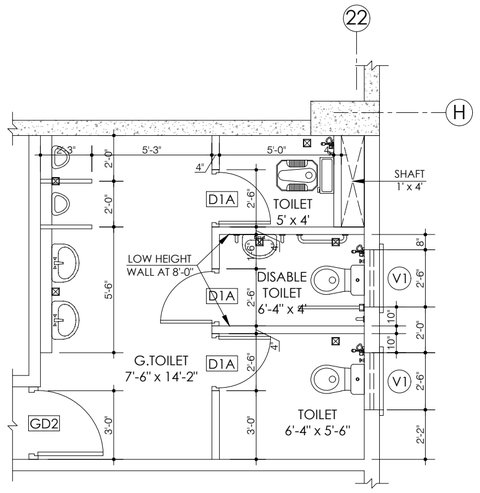
STATE BANK OF PAKISTAN
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ARTAIL

TENDER DRAWING

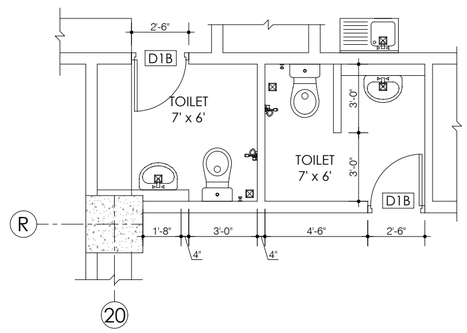
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: DETAIL OF TOILET BLOCK	DATE: 16-11-2020	COM. LOCATION.
				REVISED	SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.	A-18



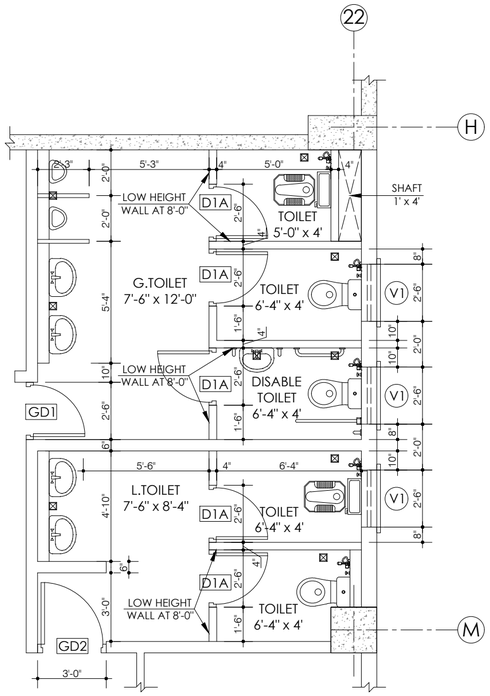
PLAN OF TOILET -08
(Mezzanine Floor)



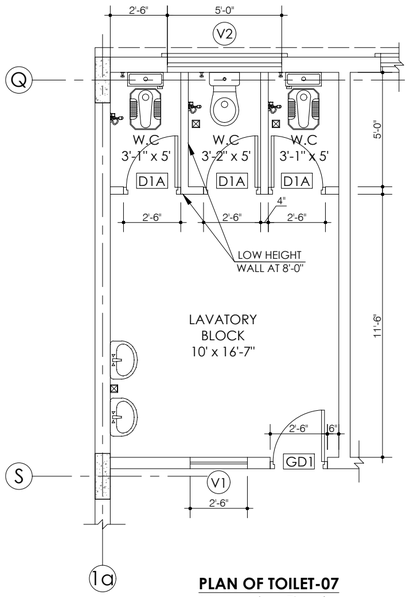
PLAN OF TOILET -09
(Mezzanine Floor)



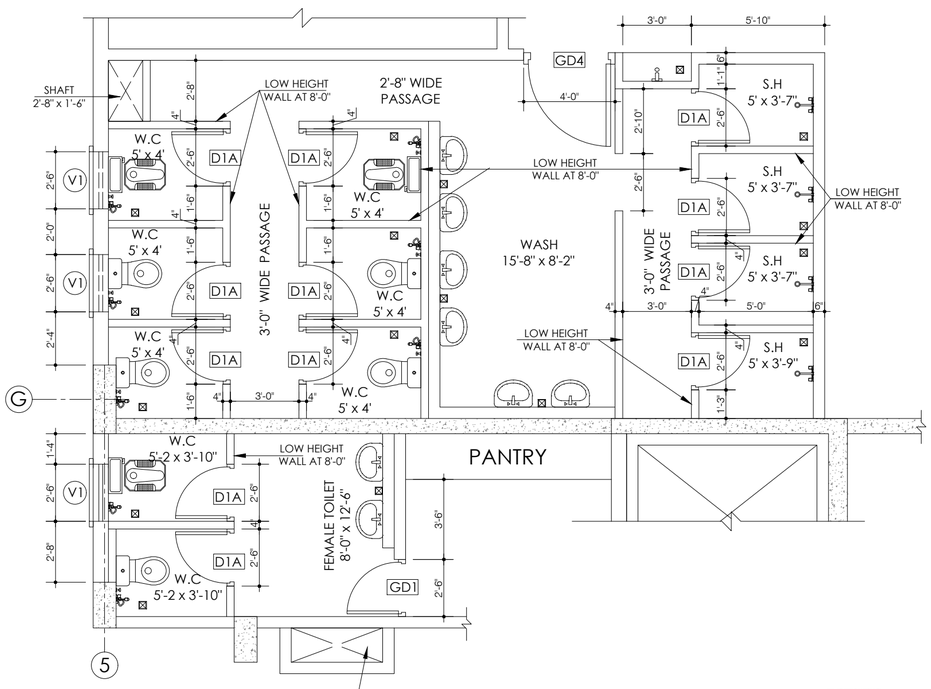
PLAN OF TOILET -10
(Mezzanine Floor)



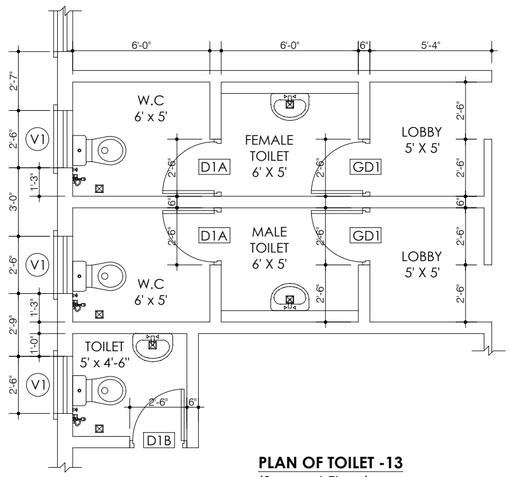
PLAN OF TOILET -12
(First Floor)



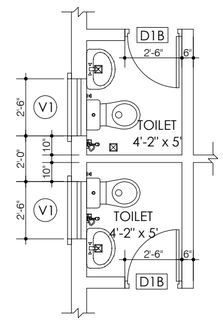
PLAN OF TOILET-07
Mezzanine Floor)



PLAN OF TOILET -11
(First Floor)



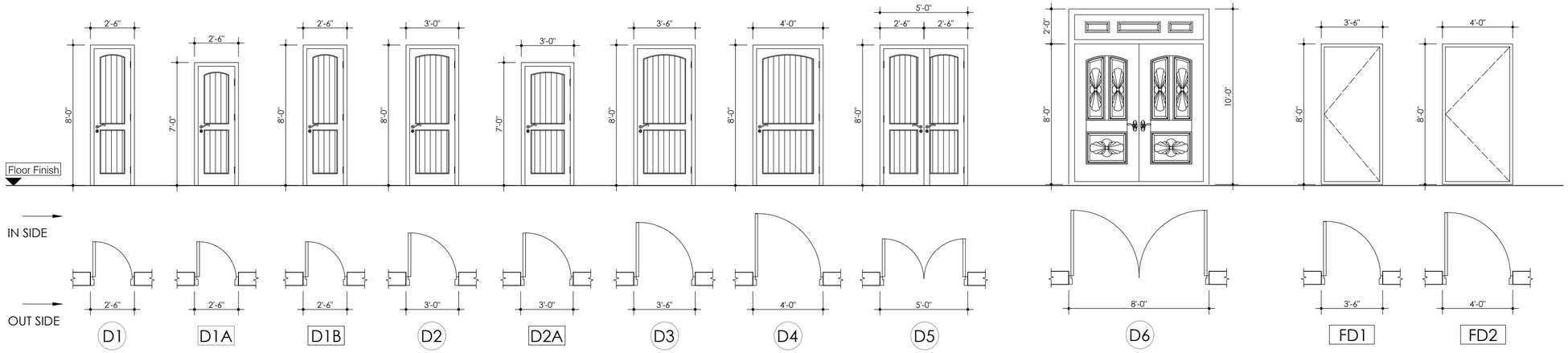
PLAN OF TOILET -13
(Second Floor)

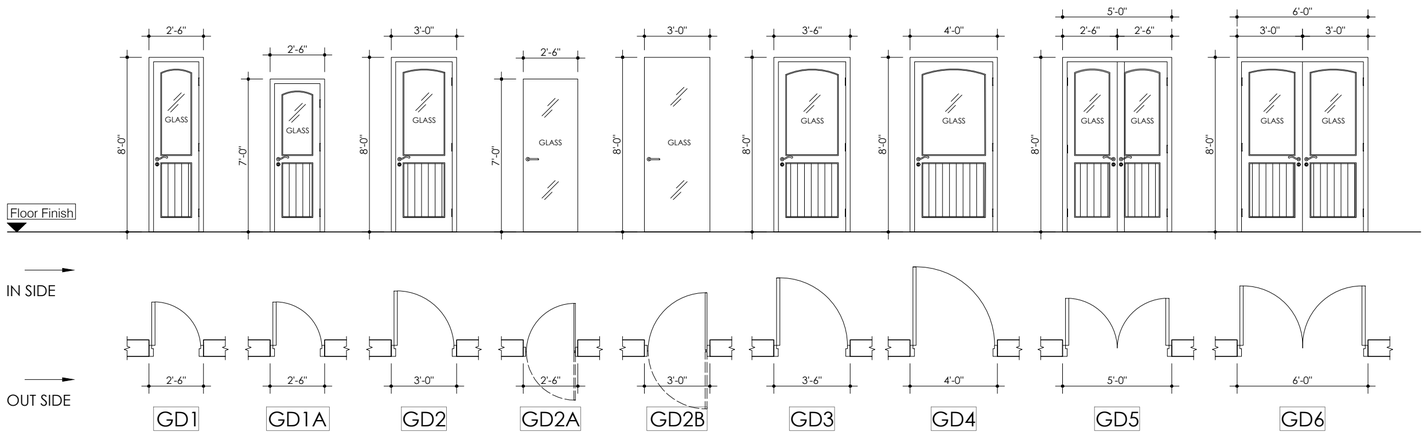


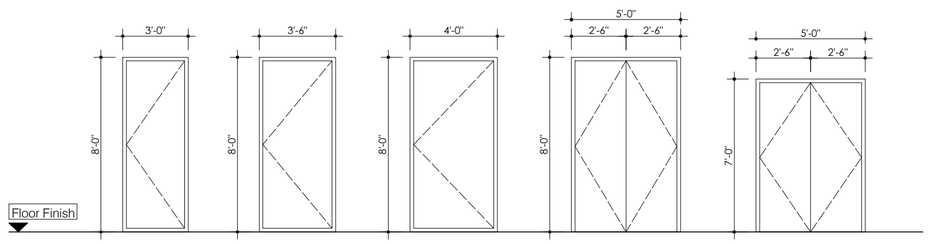
PLAN OF TOILET -14
(Second Floor)

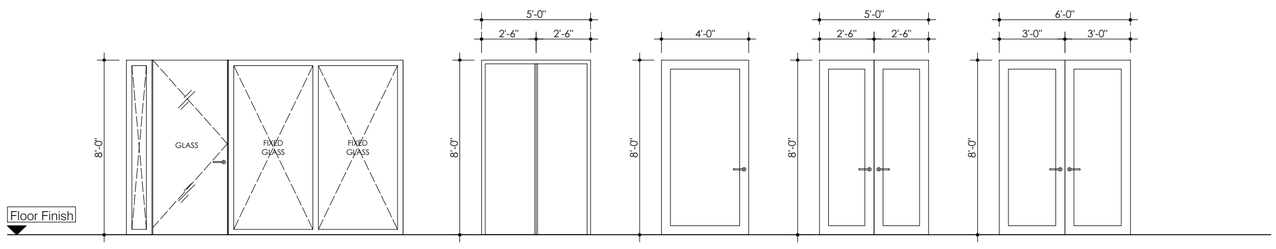
TENDER DRAWING

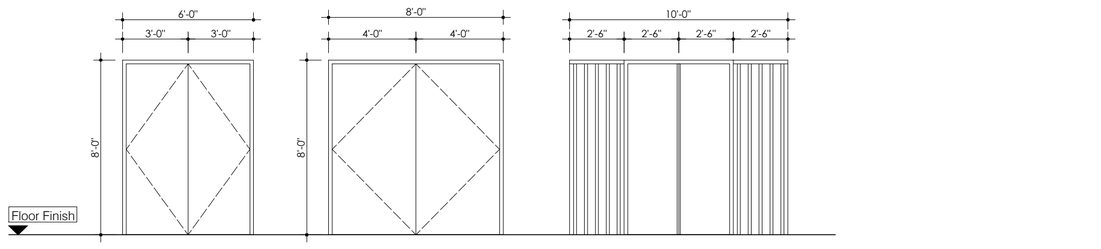
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: DETAIL OF TOILET BLOCK	DATE: 16-11-2020	COM. LOCATION.
					SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
				CHKD. BY: S.GAZDAR	JOB NO.
					A-18a





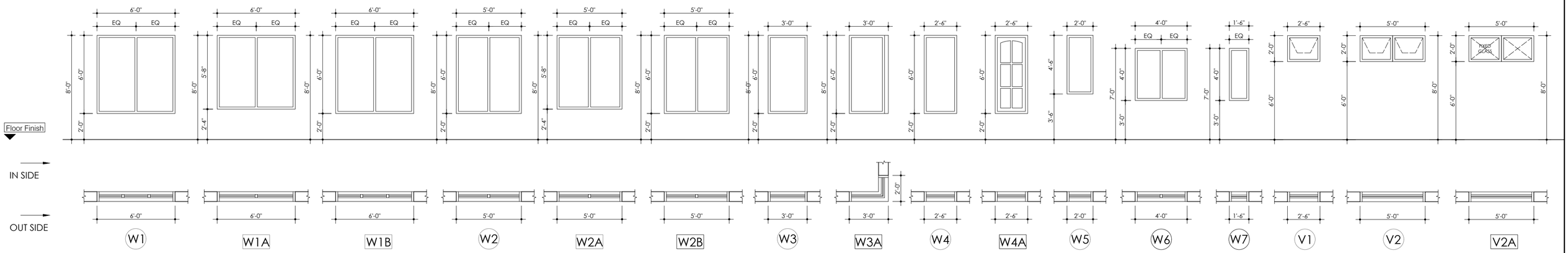


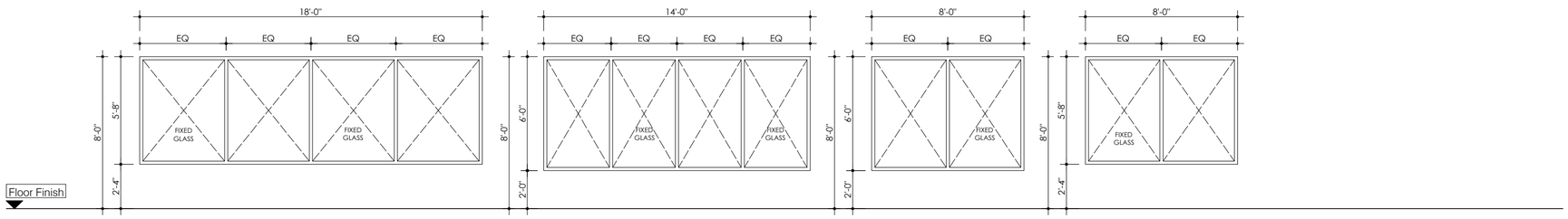


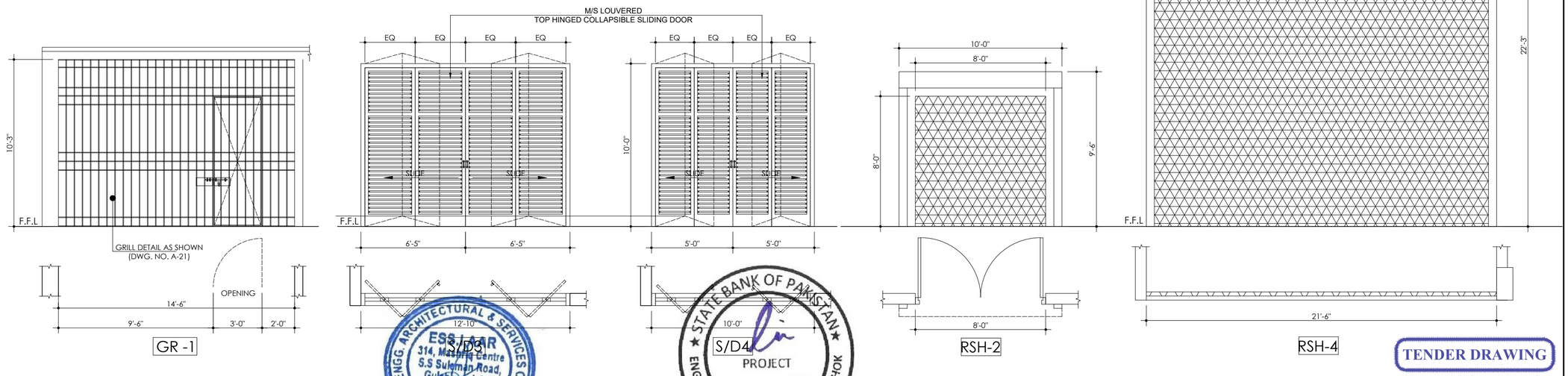


TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: SCHEDULE OF DOORS, WINDOWS & VENTILATOR	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-19**







TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: SCHEDULE OF DOORS, WINDOWS & VENTILATOR	DATE: 16-11-2020 (REVISED)
			COM. LOCATION.	SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**A-19a**

SCHEDULE OF DOORS, WINDOWS & VENTILATORS. (MAIN BUILDING)

MARK	SIZE	MATERIAL	NO.S OF 2nd BASEMENT	NO.S OF 1st BASEMENT	NO.S OF GROUND FLOOR	NO.S OF MEZZANINE FLOOR	NO.S OF FIRST FLOOR	NO.S OF ROOF	
D1	2'-6"x8'-0"	WOODEN PANEL DOOR			04	01			
D1A	2'-6"x7'-0"	UPVC DOOR			14	04	19		
D1B	2'-6"x8'-0"	UPVC DOOR	03			02	03		
D2	3'-0"x8'-0"	WOODEN PANEL DOOR		01	06	04	04	02	
D3	3'-6"x8'-0"	WOODEN PANEL DOOR				03			
D4	4'-0"x8'-0"	WOODEN PANEL DOOR			02	09	03		
D5	5'-0"x8'-0"	WOODEN PANEL DOOR			02		01		
D6	8'-0"x10'-0"	WOODEN PANEL CARVED DOOR (MAIN ENTRANCE)			01				
FD1	3'-6"x8'-0"	FIRE RATED DOOR				01	01		
FD2	4'-0"x8'-0"	FIRE RATED DOOR			02				
SD4	4'-0"x8'-0"	SECURITY DOOR	01		08				
SD5	5'-0"x8'-0"	SECURITY DOOR	02						
SD6	6'-0"x8'-0"	SECURITY DOOR	07		15				
RD1	5'-0"x8'-0"	REVOLVING / TURNSTILE DOOR			02				
GD1	2'-6"x8'-0"	WOODEN GLAZED & PANEL DOOR			01	02	04		
GD2	3'-0"x8'-0"	WOODEN GLAZED & PANEL DOOR			07	03	05	01	
GD2A	2'-6"x7'-0"	GLAZED DOOR			14				
GD2B	3'-0"x8'-0"	GLAZED DOOR			01				
GD3	3'-6"x8'-0"	WOODEN GLAZED & PANEL DOOR			10		09		
GD4	4'-0"x8'-0"	WOODEN GLAZED & PANEL DOOR		04	02	06	04		
GD5	5'-0"x8'-0"	WOODEN GLAZED & PANEL DOOR		01	05		07	01	
GD6	6'-0"x8'-0"	WOODEN GLAZED & PANEL DOOR			02	03		02	
GD8	12'-8"x8'-0"	GLAZED DOOR WITH FIXED PANEL		01					
HSD1	3'-0"x8'-0"	M/S DOOR	05		02				
HSD2	3'-6"x8'-0"	M/S DOOR			02				
HSD5	5'-0"x8'-0"	M/S DOOR	02						
HSD5a	5'-0"x7'-0"	M/S DOOR			01				
HSD6	6'-0"x8'-0"	M/S DOOR	04						
HSD7	8'-0"x8'-0"	M/S DOOR			01				
RD1-SS TUBES	5'-0"x8'-0"	REVOLVING DOOR			02				
RSH-2	8'-0"x9'-6"	M/S BAR MESH			01				
RSH-4	21'-6"x22'-3"	M/S BAR MESH			01				
W1	6'-0"x6'-0"	WOODEN FIXED GLAZED PANEL (INTERNAL)			04	04	03		
W1	6'-0"x6'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)						04	
W1A	6'-0"x5'-8"	WOODEN FIXED GLAZED PANEL (INTERNAL)				02			
W1B	6'-0"x6'-0"	ALUMINUM FIXED GLAZED PANEL (INTERNAL)	01						
W2	5'-0"x6'-0"	WOODEN FIXED GLAZED PANEL (INTERNAL)			11	08	02		
W2	5'-0"x6'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)				02	03	01	
W2A	5'-0"x5'-8"	WOODEN FIXED GLAZED PANEL (INTERNAL)				08			
W2B	5'-0"x6'-0"	ALUMINUM FIXED GLAZED PANEL (INTERNAL)		05					
W3	3'-0"x6'-0"	WOODEN FIXED GLAZED PANEL (INTERNAL)			03	01	15		
W4	2'-6"x6'-0"	WOODEN FIXED GLAZED PANEL (INTERNAL)			02		03		
W4	2'-6"x6'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)			38	26	41		
W4A	2'-6"x6'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)			02				
W5	2'-0"x4'-6"	WOODEN FIXED GLAZED PANEL (INTERNAL)				01			
G1A	18'-0"x5'-8"	WOODEN FIXED GLAZED PANEL (INTERNAL)				01			
G2	14'-0"x6'-0"	WOODEN FIXED GLAZED PANEL (INTERNAL)				02			
G3	8'-0"x6'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)				02	02		
G3A	8'-0"x5'-8"	WOODEN FIXED GLAZED PANEL (INTERNAL)				02			
V1	2'-6"x2'-0"	UPVC GLAZED OPENABLE VENTILATOR (EXTERNAL)			05	02	09		
V2	5'-0"x2'-0"	UPVC GLAZED OPENABLE VENTILATOR (EXTERNAL)			02				
V2A	5'-0"x2'-0"	ALUMINUM GLAZED FIXED VENTILATOR (INTERNAL)		01					

SCHEDULE OF DOORS, WINDOWS & VENTILATORS. (MAIN BUILDING SECURITY GUARD ROOMS)

MARK	SIZE	MATERIAL	NO.S OF 2nd BASEMENT	NO.S OF 1st BASEMENT	NO.S OF GROUND FLOOR	NO.S OF MEZZANINE FLOOR	NO.S OF FIRST FLOOR	NO.S OF ROOF	
GD1A	2'-6"x7'-0"	WOODEN GLAZED & PANEL DOOR				02	01	04	
W6	4'-0"x4'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)				04	02	10	
W7	1'-6"x4'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)				02	02	06	

SCHEDULE OF DOORS, WINDOWS & VENTILATORS. (SECURITY CONTROL & CANTEEN)

MARK	SIZE	MATERIAL	NO.S OF 2nd BASEMENT	NO.S OF 1st BASEMENT	NO.S OF GROUND FLOOR	NO.S OF MEZZANINE FLOOR	NO.S OF ROOF	
D1A	2'-6"x7'-0"	UPVC DOOR		02	04	03		
D2A	3'-0"x7'-0"	WOODEN PANEL DOOR		01	02			
D4	4'-0"x8'-0"	WOODEN PANEL DOOR			01			
SD4	4'-0"x8'-0"	SECURITY DOOR		04				
RD1	5'-0"x8'-0"	REVOLVING / TURNSTILE DOOR			05			
HSD4	4'-0"x8'-0"	M/S DOOR			03			
GD1	2'-6"x8'-0"	WOODEN GLAZED & PANEL DOOR				02		
GD2	3'-0"x8'-0"	WOODEN GLAZED & PANEL DOOR			02			
GD3	3'-6"x8'-0"	WOODEN GLAZED & PANEL DOOR			01	02		
GD4	4'-0"x8'-0"	WOODEN GLAZED & PANEL DOOR				02		
GR-1	14'-6"x10'-3"	M/S GRILL		01				
W2	5'-0"x6'-0"	WOODEN FIXED GLAZED PANEL (INTERNAL)				01		
W2	5'-0"x6'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)			03			
W3	3'-0"x6'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)			02			
W3A	3'x2'x6'	WOODEN FIXED GLAZED PANEL (INTERNAL)			01			
W4	2'-6"x6'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)				14		
V1	2'-6"x2'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)			03	02		
V2	5'-0"x2'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)				02		

SCHEDULE OF DOORS, WINDOWS & VENTILATORS. (GUARD ROOMS)

MARK	SIZE	MATERIAL	NO.S OF 2nd BASEMENT	NO.S OF 1st BASEMENT	NO.S OF GROUND FLOOR	NO.S OF MEZZANINE FLOOR	NO.S OF ROOF	
GD1A	2'-6"x7'-0"	WOODEN GLAZED & PANEL DOOR					02	
W6	4'-0"x4'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)					05	
W7	1'-6"x4'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)					02	

SCHEDULE OF DOORS, WINDOWS & VENTILATORS. (WAPDA H.T PANEL ROOM)

MARK	SIZE	MATERIAL	NO.S OF GROUND FLOOR	NO.S OF ROOF		
S/D3	12'-10"x10'-0"	M/S LOUVERED TOP HINGED COLLAPSIBLE SLIDING DOOR	02			
S/D4	10'-0"x10'-0"	M/S LOUVERED TOP HINGED COLLAPSIBLE SLIDING DOOR	01			
V2	5'-0"x2'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)	01			

SCHEDULE OF DOORS, WINDOWS & VENTILATORS.(WAPDA H.T PANEL ROOM) (GUARD ROOMS)

MARK	SIZE	MATERIAL	NO.S OF GROUND FLOOR	NO.S OF ROOF		
GD1A	2'-6"x7'-0"	WOODEN GLAZED & PANEL DOOR		01		
W6	4'-0"x4'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)		03		
W7	1'-6"x4'-0"	UPVC GLAZED OPENABLE WINDOW (EXTERNAL)		01		

NOTE :-

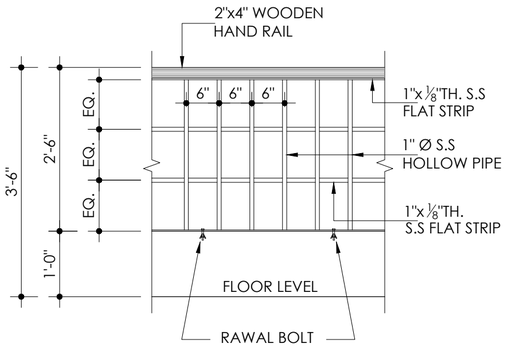
* Wood pannel doors with clear stain polish made to design, as per sample approval.
* All security gates / doors (SD) location & size shown in drawing shall be made as per SB. standard.
* M/S louvered sliding doors with M/S box frames made to standard design and approved

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Block-14 Karachi

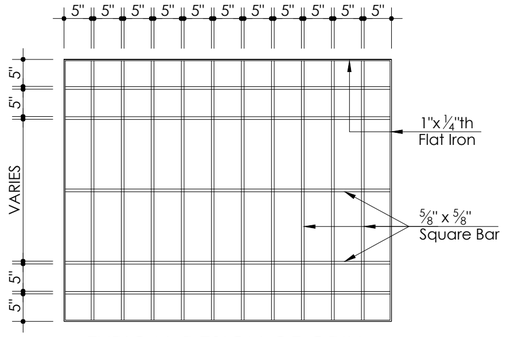
STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT PROJECT MANAGEMENT DIVISION KARACHI

TENDER DRAWING

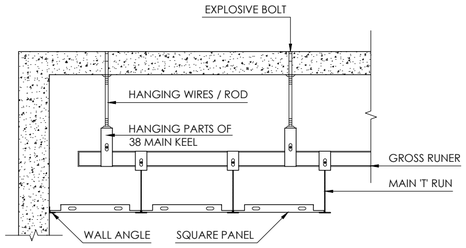
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: SCHEDULE OF DOORS, WINDOWS & VENTILATOR	DATE: 16-11-2020 (REVISED)	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**A-19b**



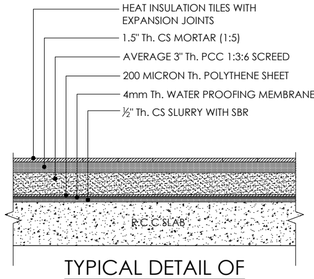
TYPICAL DETAIL OF RAILING



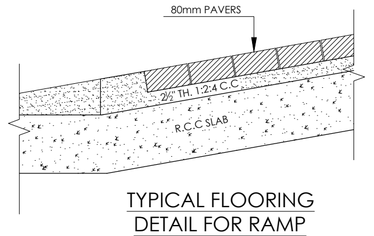
TYPICAL DESIGN OF GRILL
FOR MAIN BUILDING ONLY



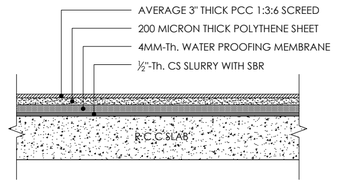
TYPICAL SECTION OF FALSE CEILING



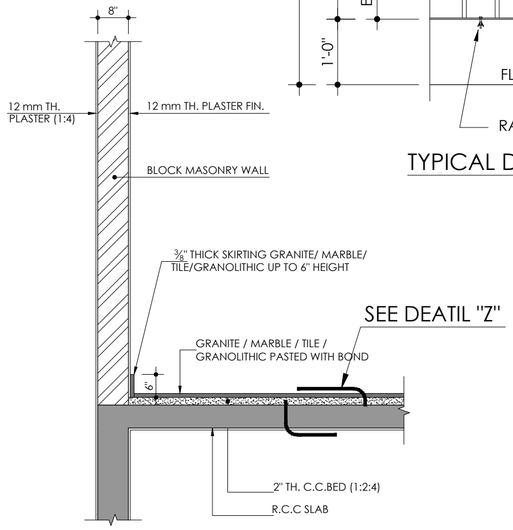
TYPICAL DETAIL OF
ROOF TREATMENT FINISHES



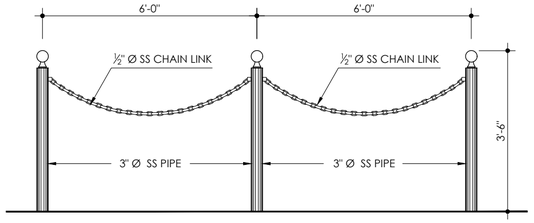
TYPICAL FLOORING
DETAIL FOR RAMP



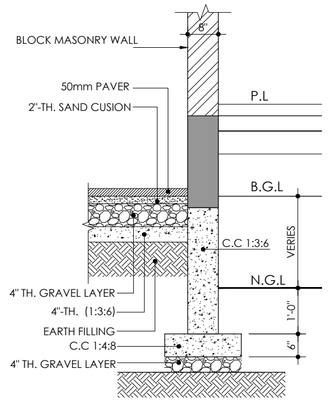
TYPICAL DETAIL OF WATER PROOFING
TOP SLAB OF VAULT



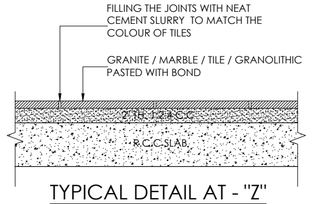
TYP. DETAIL OF FLOOR FINISHING
(UPPER FLOORS)



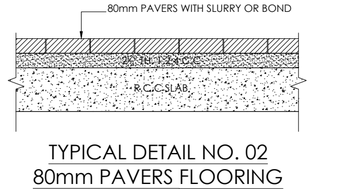
DETAIL OF CHAIN LINK



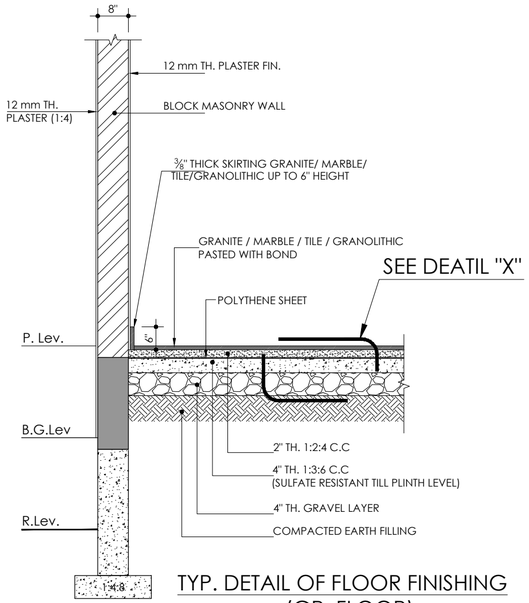
TYPICAL PLINTH PROTECTION



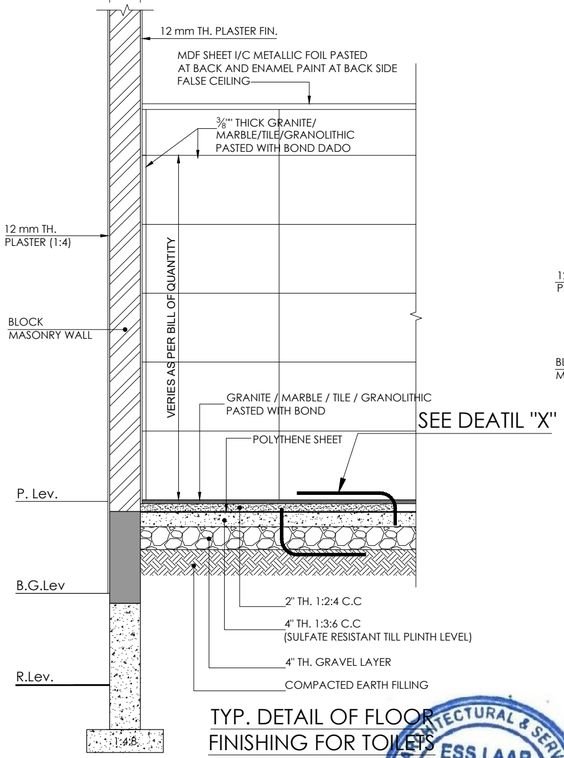
TYPICAL DETAIL AT - "Z"



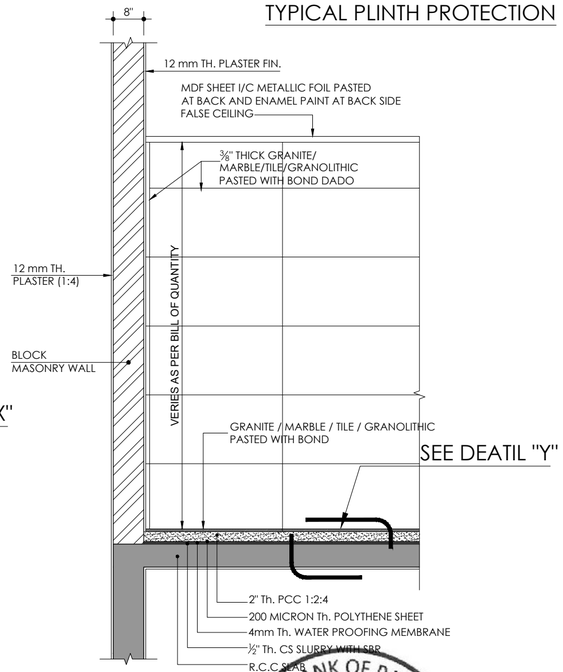
TYPICAL DETAIL NO. 02
80mm PAVERS FLOORING



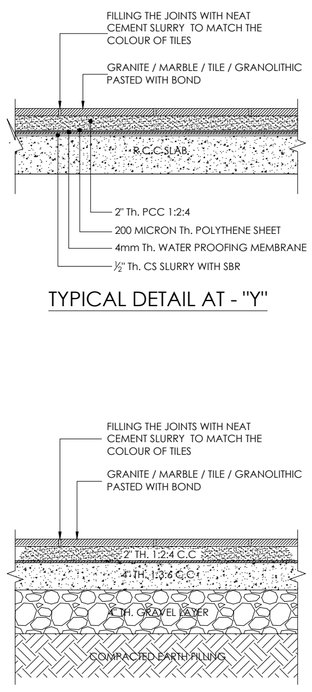
TYP. DETAIL OF FLOOR FINISHING
(GR. FLOOR)



TYP. DETAIL OF FLOOR
FINISHING FOR TOILETS
(GR. FLOOR)



TYP. DETAIL OF FLOOR
FINISHING FOR TOILETS
(UPPER FLOORS)



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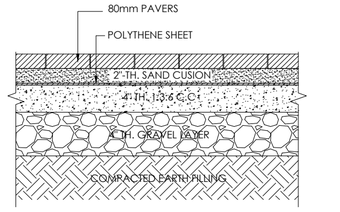
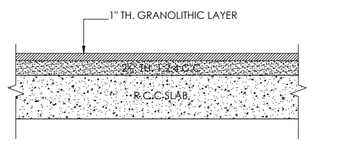
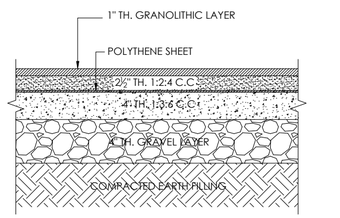


TYPICAL DETAIL NO. 01
80mm PAVERS FLOORING



TYPICAL DETAIL NO. 02
GRANOLITHIC FLOORING

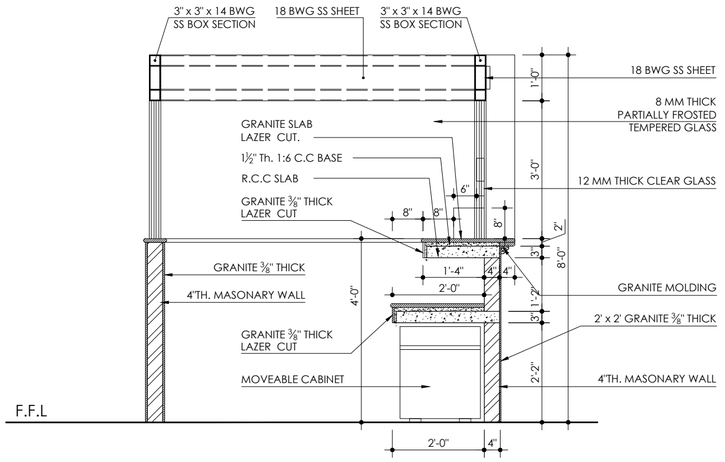
TYPICAL DETAIL AT - "X"



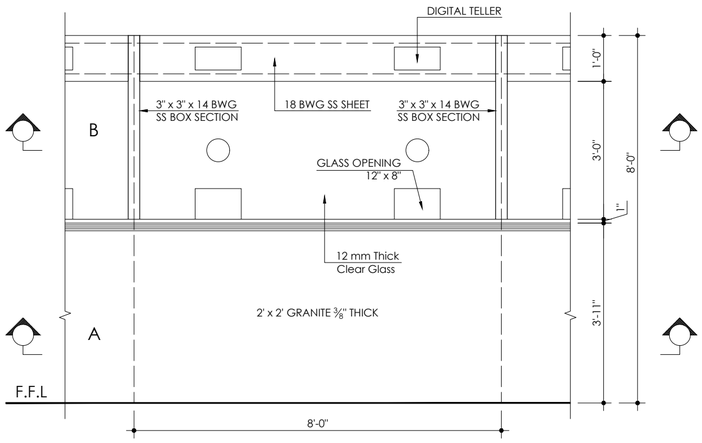
TYPICAL DETAIL NO. 01
GRANOLITHIC FLOORING

TENDER DRAWING

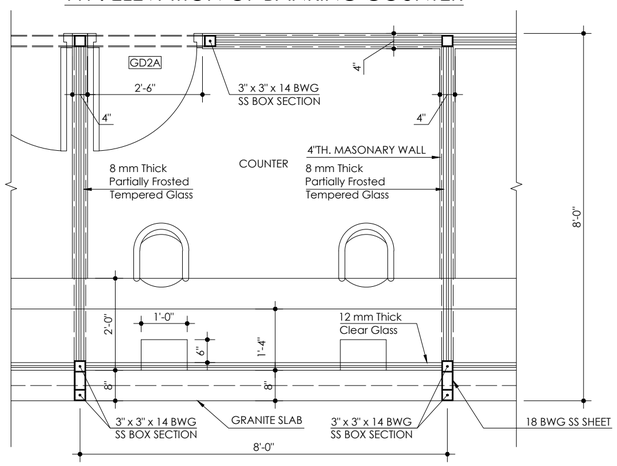
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: TYPICAL DETAILS	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**A-20**



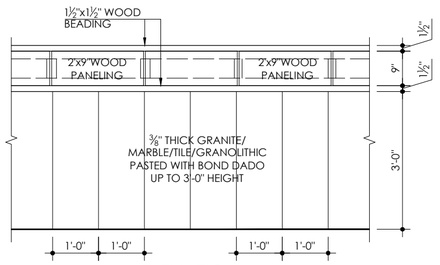
TYP. SECTION OF BANKING COUNTER



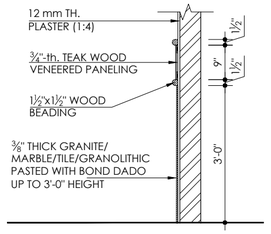
TYP. ELEVATION OF BANKING COUNTER



TYP. PLAN OF BANKING COUNTER (SECTION B-B)

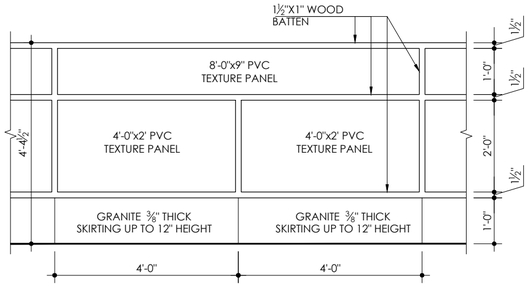


ELEVATION

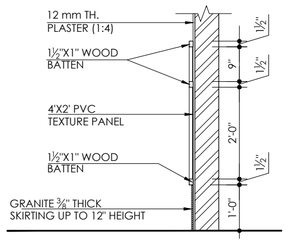


SECTION

TYP. GRANITE DADO DETAIL

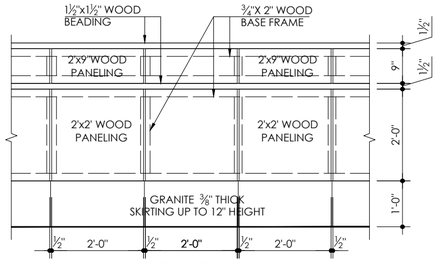


ELEVATION

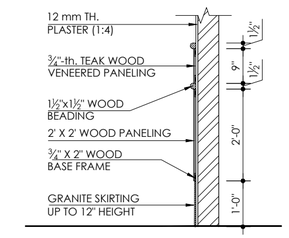


SECTION

TYP. PVC DADO DETAIL

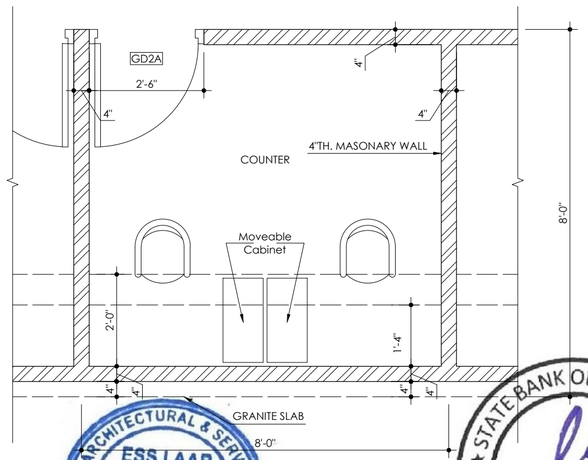


ELEVATION

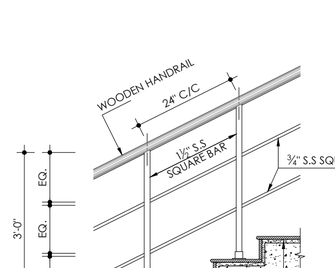


SECTION

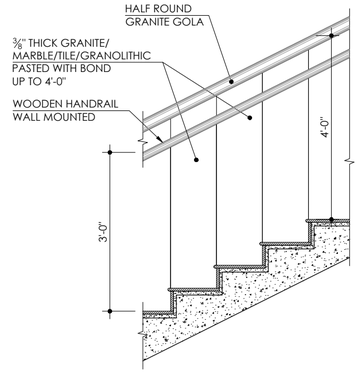
TYP. WOODEN DADO DETAIL



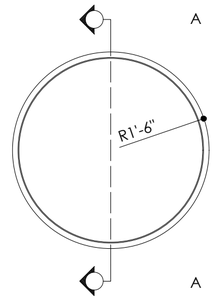
TYP. PLAN OF BANKING COUNTER (SECTION A-A)

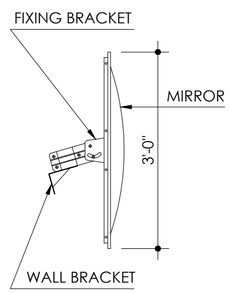


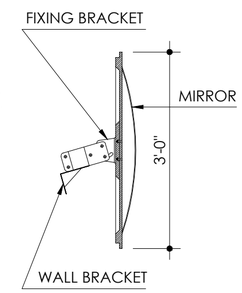
TYPICAL DETAIL OF STAIRCASE



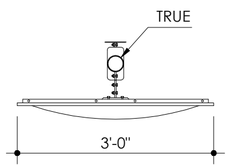
TYPICAL DETAIL OF STAIRCASE DADO



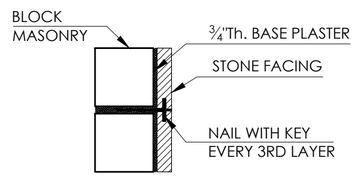




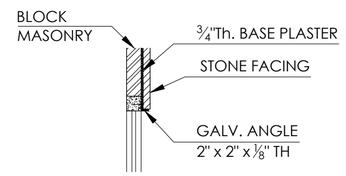
SECTION A-A



TYP. DETAIL OF CONVEX MIRROR



TYP. FIXING DETAIL OF THATTA STONE ON EXTERNAL WALL



TYP. FIXING DETAIL OF THATTA STONE ABOVE DOOR & WINDOWS

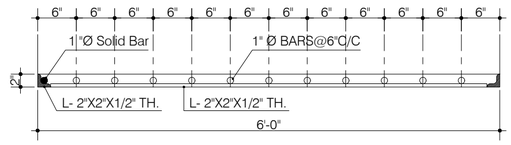
NOTE:

Consultant design can be replaced by teller design of counter forwarded by client which is the part of interior design stage and not the part of main tender. Whoever consultant design for the counter is in continuation of over all banking hall design environment.

TENDER DRAWING

ARCHITECTURAL & SERVICES CONSULTANTS ESS.I.AAR 314, 3rd Rd, Shahrah-e-Iqbal Block 14 Gulshan-e-Iqbal Karachi
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION ARCHITECTURE ENGINEERING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: TYPICAL DETAILS	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR / JOB NO. / **A-20a**



GATE PLAN

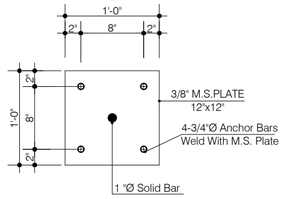


PLATE (P1)

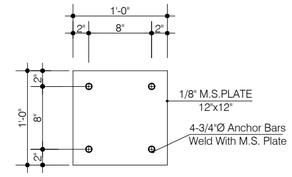
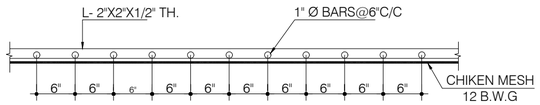
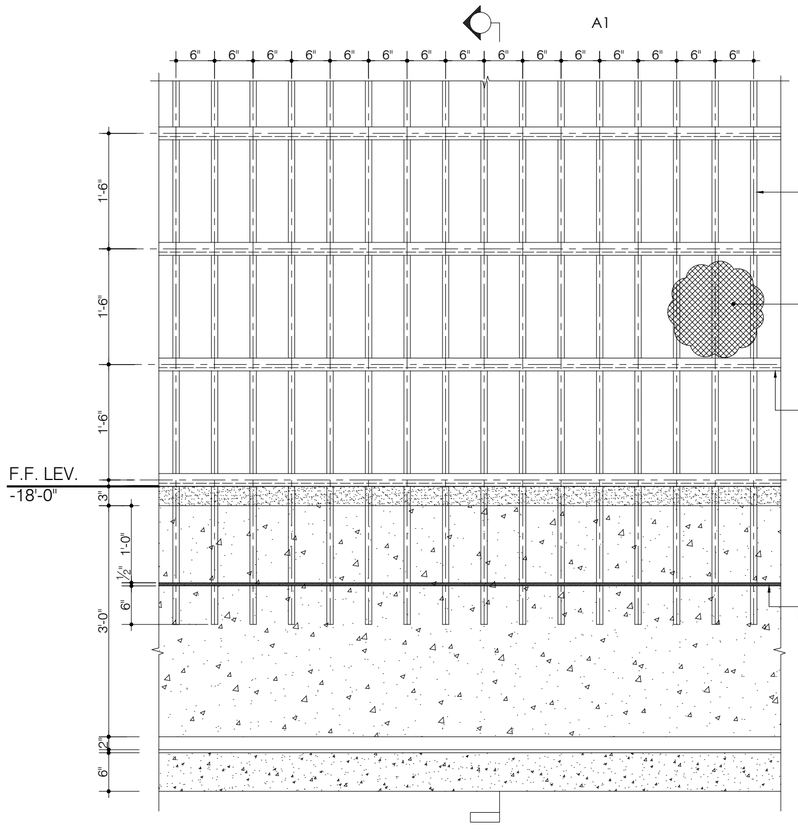


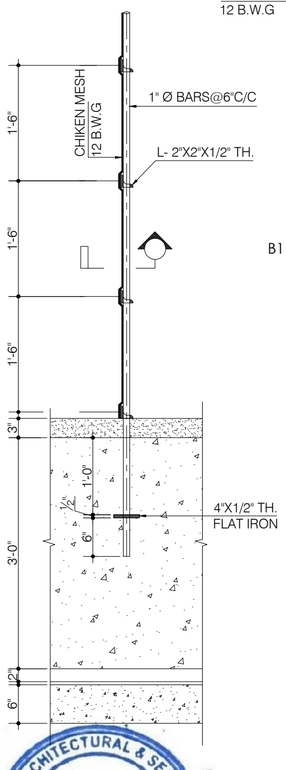
PLATE (P2)



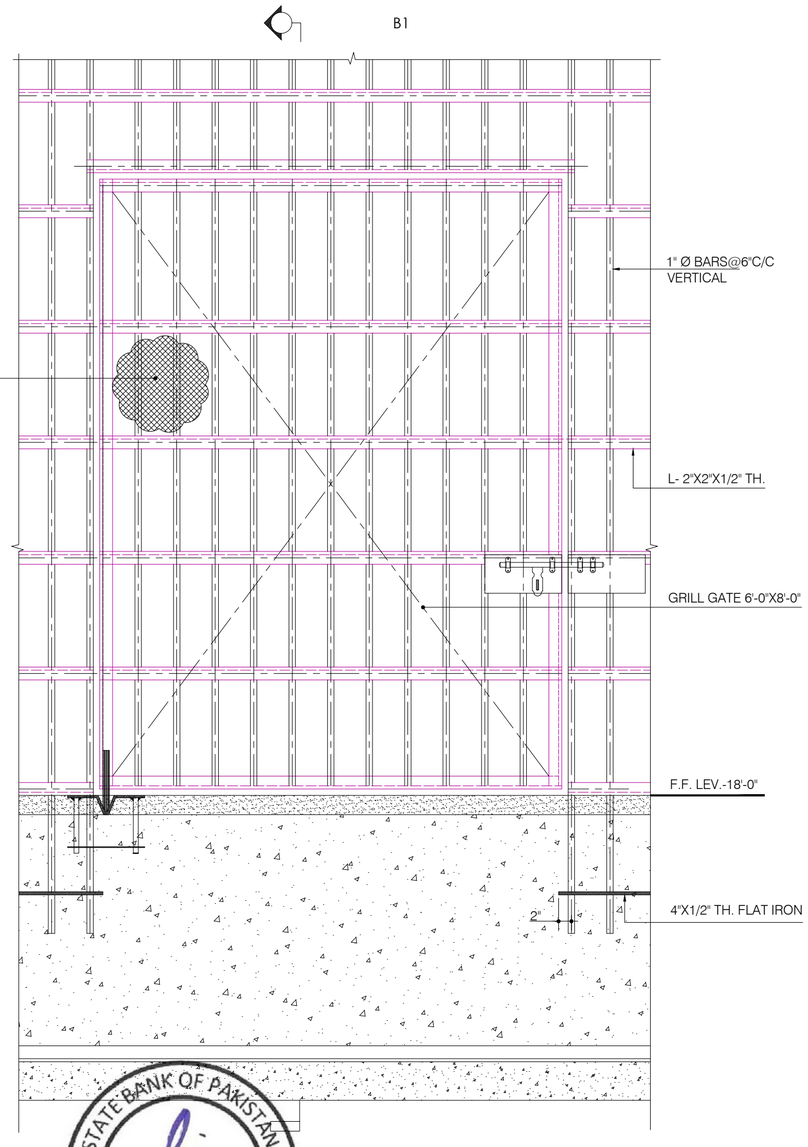
SECTION B1-B1



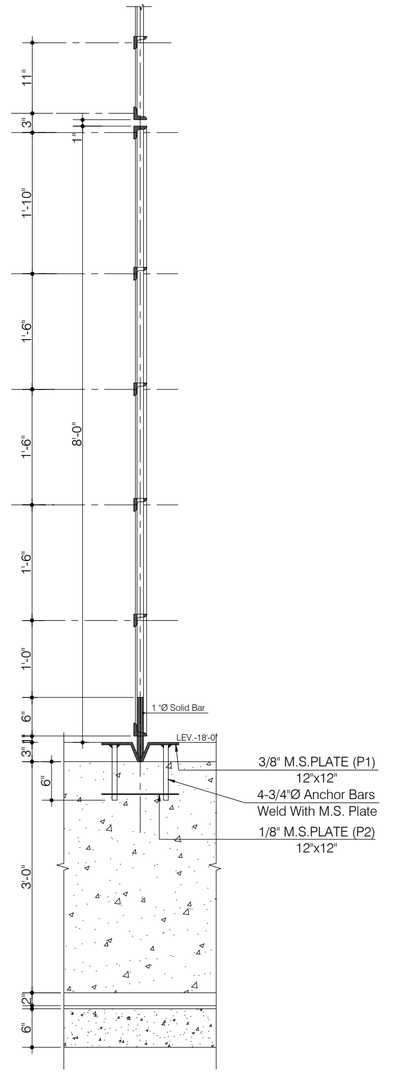
PART ELEVATION OF VAULT GRILL PARTITION



SECTION A1-A1



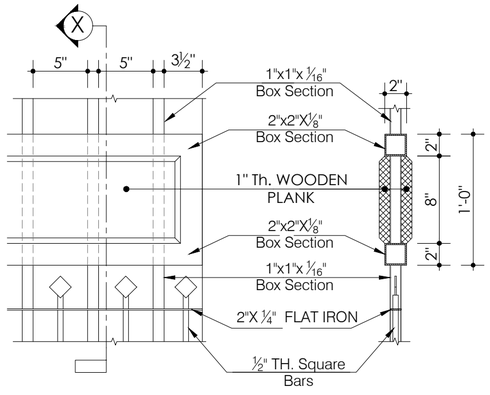
ELEVATION OF VAULT GRILL PARTITION (GATE)



SECTION B1-B1

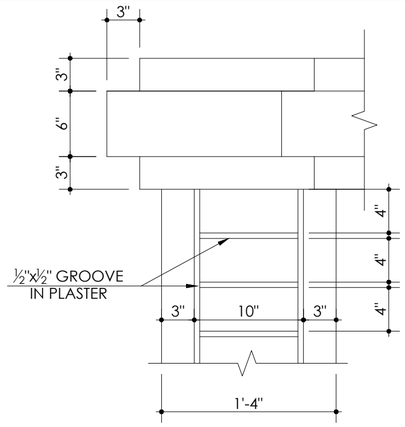
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: TYPICAL DETAILS OF GRILL & GATE (VAULT)	DATE: 16-11-2020 REVISION	COM. LOCATION.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
			CHKD. BY: S.GAZDAR	JOB NO.	SHEET REF. ARCH. **A-20b**

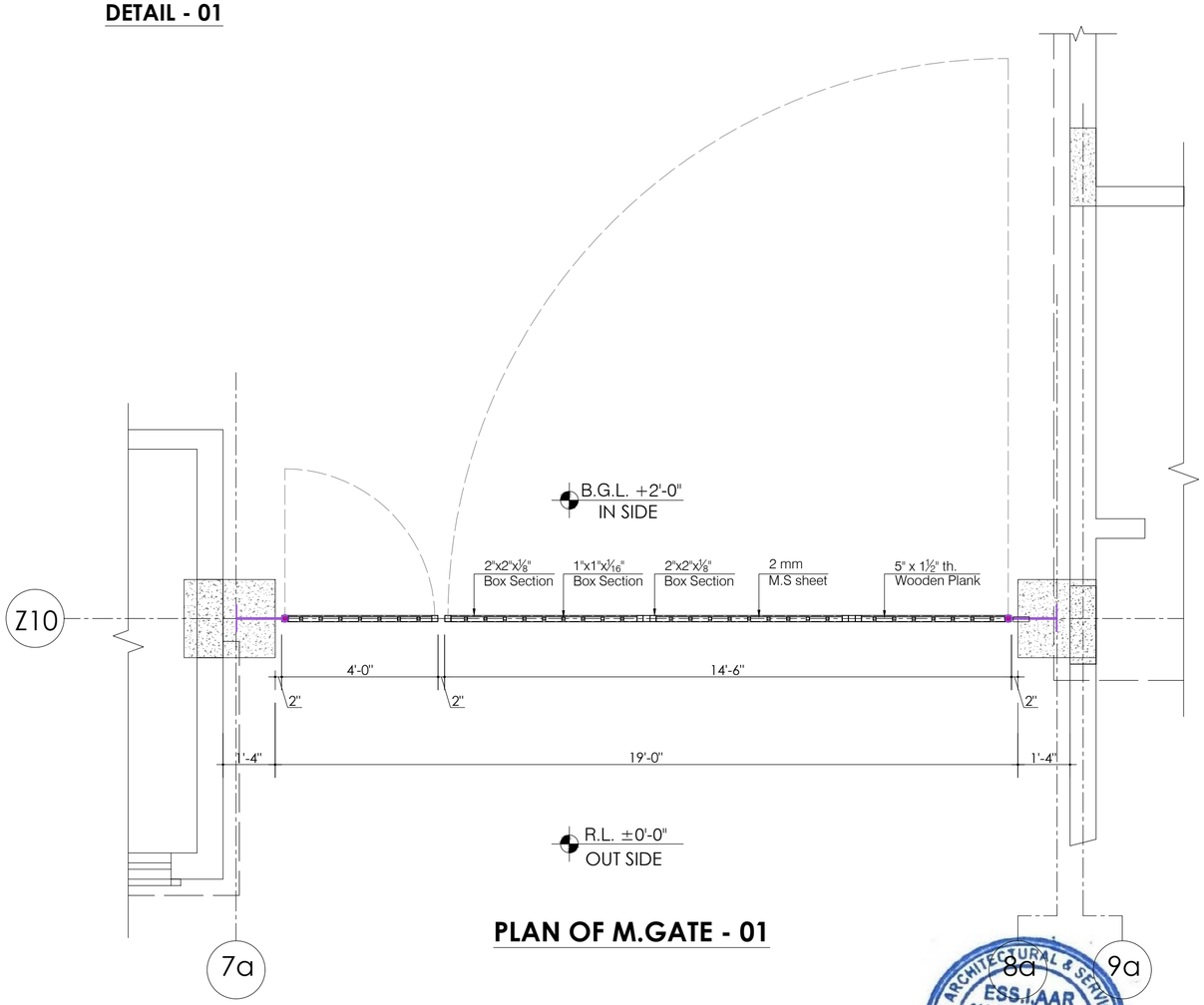


ENLARGE ELEVATION DETAIL - 01

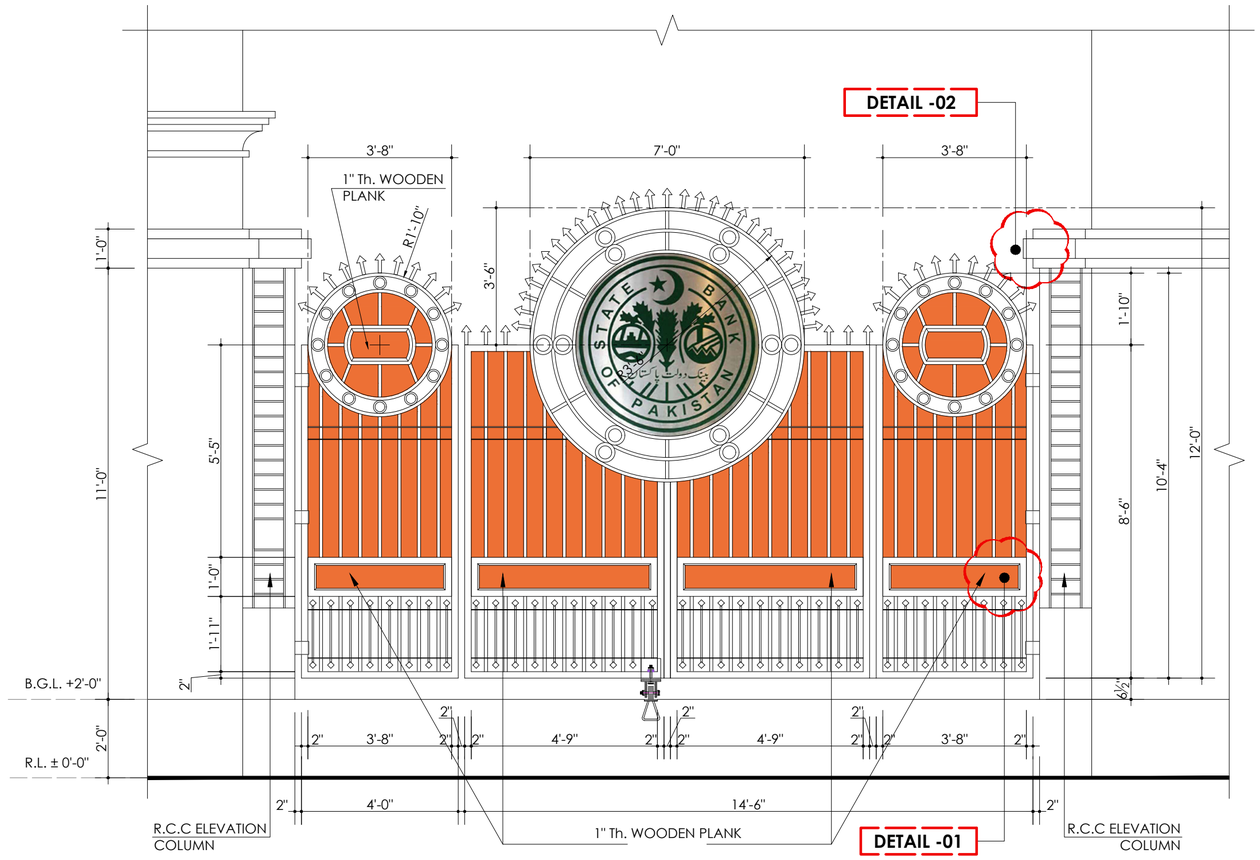
SECTION - X



ENLARGE DETAIL - 02



PLAN OF M.GATE - 01



ELEVATION OF M.GATE - 01

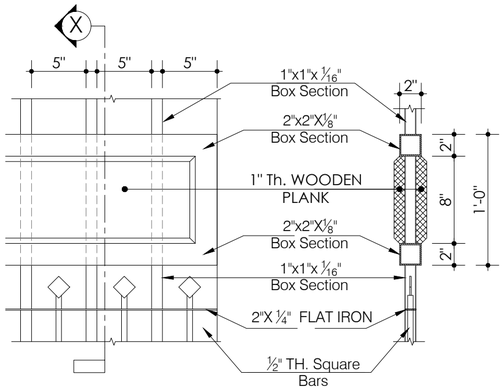
NOTE:-

ALL DETAIL AS PER STRUCTURE DRAWING SEE. REF. DWG. NO = **S-34**

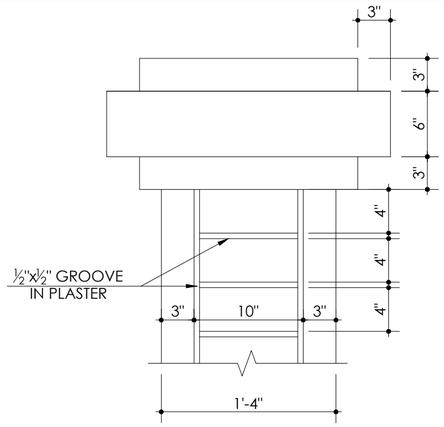
DETAIL OF ROAD BLOCKER SEE. REF. DWG. NO = **TF-04**

TENDER DRAWING

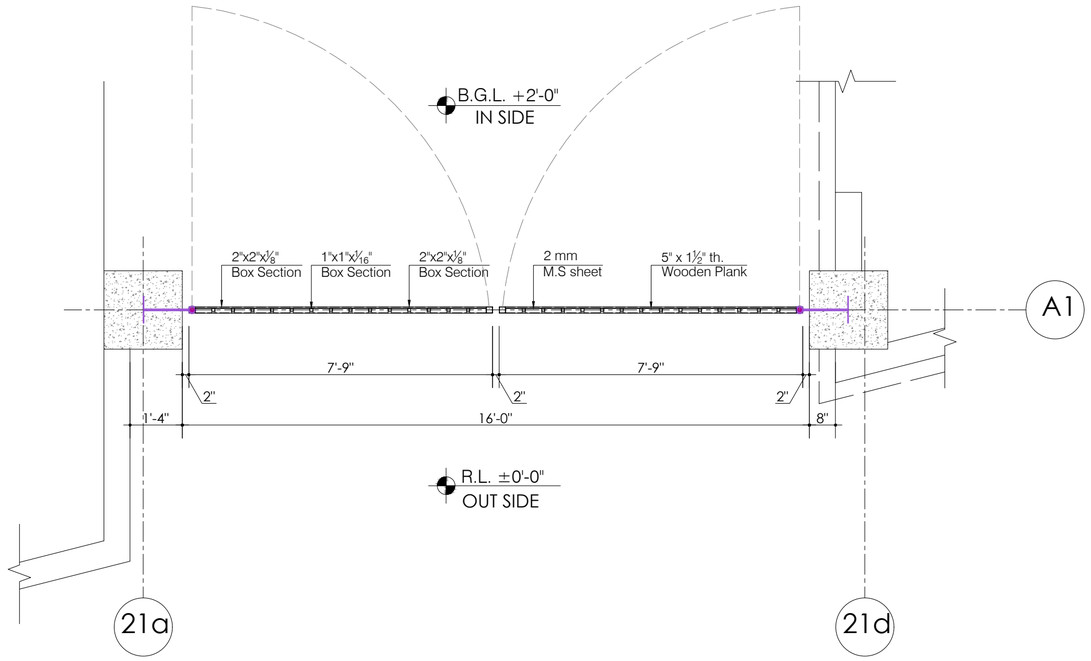
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: DETAIL OF MAIN GATE - 01	DATE: 16-11-2020	COM. LOCATION.	SHEET REF.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL	CHKD. BY: S.GAZDAR	JOB NO.	**A-21**



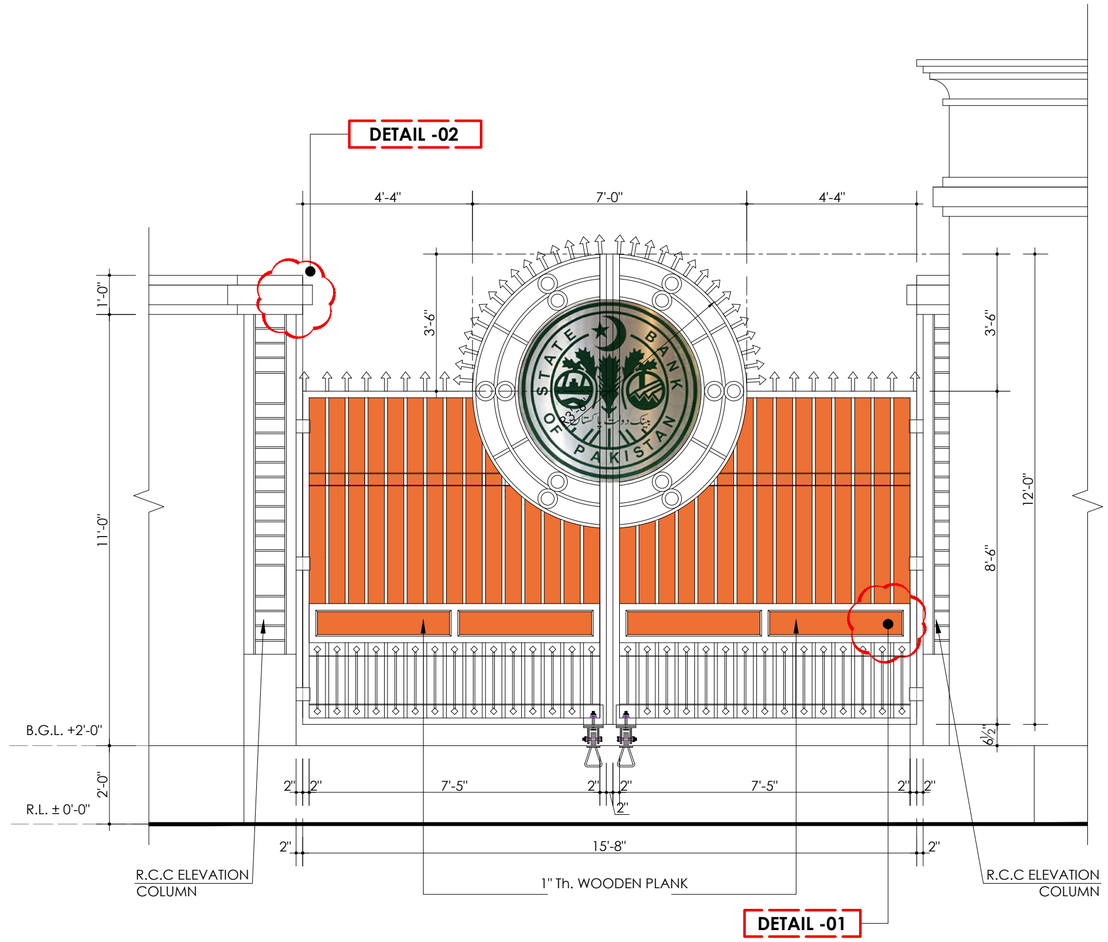
ENLARGE ELEVATION DETAIL - 01



ENLARGE DETAIL - 02



PLAN OF M.GATE - 02



ELEVATION OF M.GATE - 02

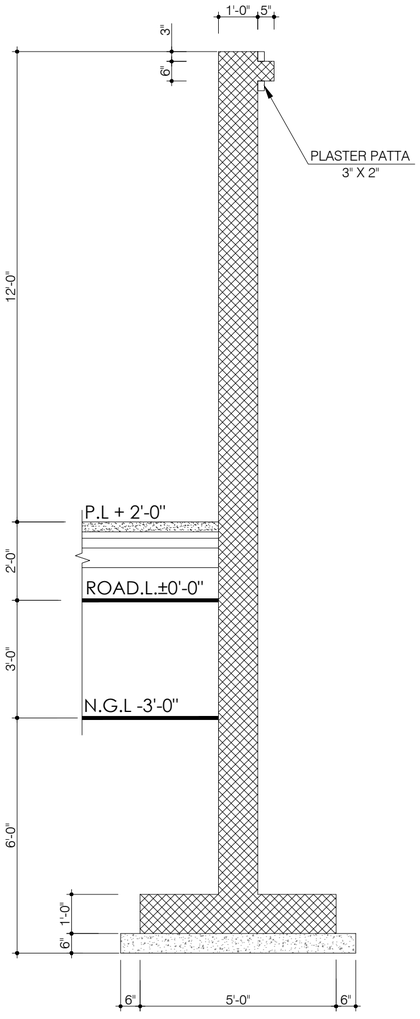
NOTE:-

ALL DETAIL AS PER STRUCTURE DRAWING SEE. REF. DWG. NO = **S-35**

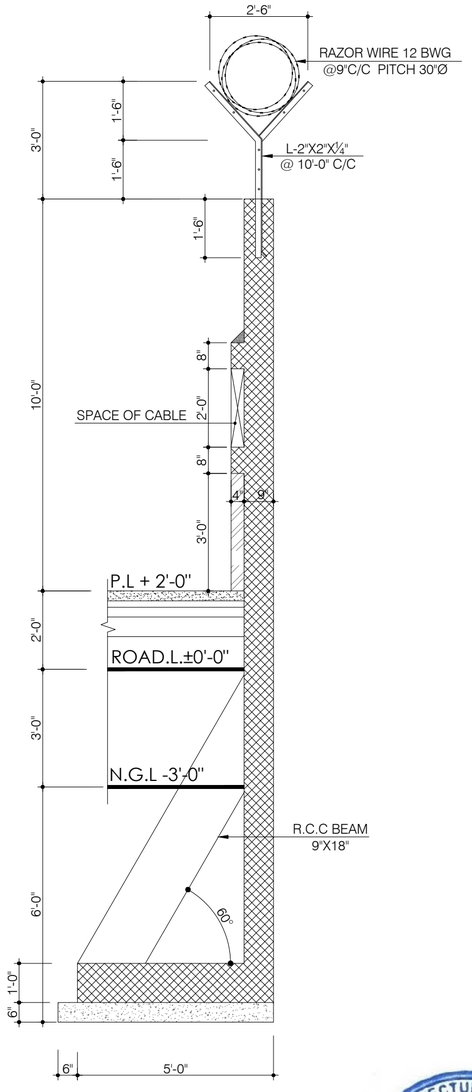
DETAIL OF ROAD BLOCKER SEE. REF. DWG. NO = **TF-04**

TENDER DRAWING

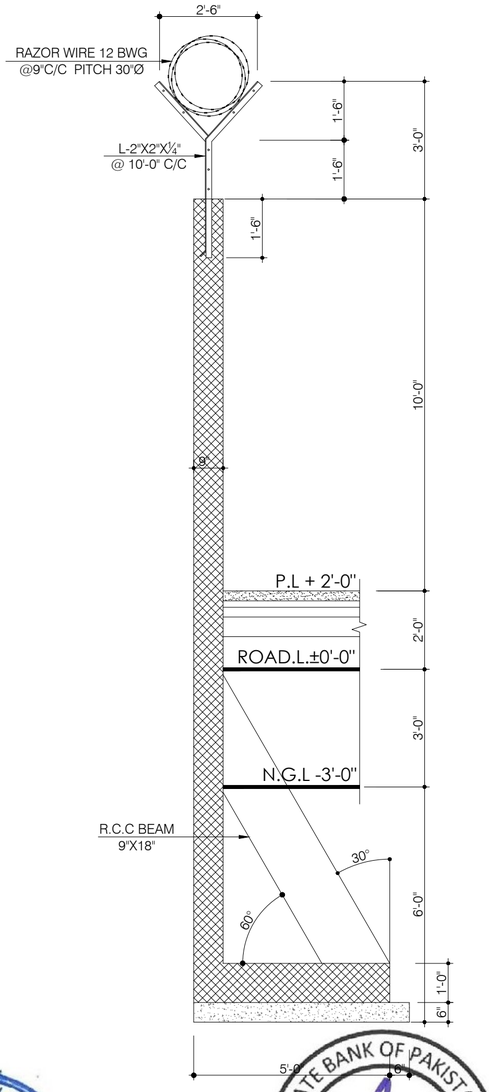
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: DETAIL OF MAIN GATE - 02	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**A-21a**



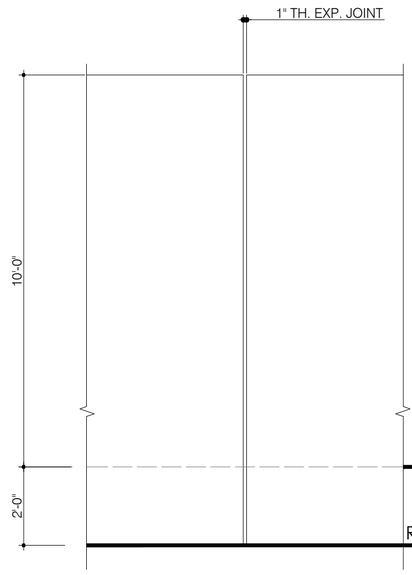
SECTION A-A



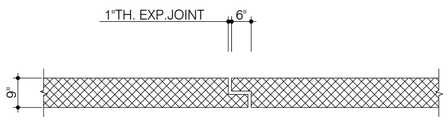
SECTION B-B



SECTION C-C



TYP. ELEVATION OF EXP. JIONT BOUNDARY WALL



TYP. PLAN OF EXP. JIONT BOUNDARY WALL

FINAL DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: DETAIL OF BOUNDARY WALL	DATE: 16-11-2020	COM. LOCATION.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
			CHKD. BY: S.GAZDAR	JOB NO.	SHEET REF.: ARCH. **A-21b**

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION ENGINEERING DEPARTMENT KARACHI

SCHEDULE OF FINISHES
MAIN BUILDING

PROPOSED BUILDING ON SBP PLOT AT RAHWALI GUJRANWALA

CONSULTANT
ESS-I-AAR
SUITE # 314, MASHRIQ CENTRE, GULSHAN-E-IQBAL KDA, KHI.

AREA	ROOM NOS.	ROOM / AREA NAMES	FLOOR	SKIRTING	DADO	WALLS	CEILING	FALSE CEILING
BASEMENT 02								
BASEMENT 01								

TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	SCHEDULE OF FINISHES (BASEMENT -01 & -02)	16-11-2020		ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.		A-22

SCHEDULE OF FINISHES
MAIN BUILDING

PROPOSED BUILDING ON SBP PLOT AT RAHWALI GUJRANWALA

CONSULTANT
ESS-I-AAR
SUITE # 314, MASHRIQ CENTRE GULSHAN-E-IQBAL BLK.

AREA	ROOM NOS.	ROOM / AREA NAMES	FLOOR	SKIRT.	DADO	WALLS	CEILING	FALSE CEILING
GROUND FLOOR								

TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	SCHEDULE OF FINISHES (GROUND FLOOR)	16-11-2020 REVISIONS		ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.		A-22a

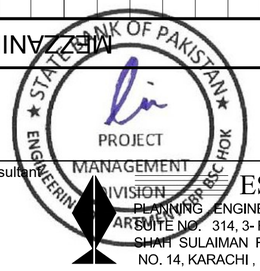
SCHEDULE OF FINISHES

MAIN BUILDING

PROPOSED BUILDING ON SBP PLOT AT RAHWALI GUJRANWALA

CONSULTANT
ESS-I-AAR
SUITE # 314, MASHRIQ CENTRE GULSHAN-E-IQBAL KHI.

ROOM NOS.	ROOM / AREA NAMES	FLOOR	SKIRT.	DADO	WALLS	CEILING	FALSE CEILING
AREA	MEZZANINE FLOOR						



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: SCHEDULE OF FINISHES (MEZZANINE FLOOR)	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**A-22b**

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA

MAIN BUILDING

SCHEDULE OF FINISHES
MAIN BUILDING

PROPOSED BUILDING ON SBP PLOT AT RAHWALI GUJRANWALA

CONSULTANT
ESS-I-AAR
SUITE # 314, MASHRIQUE CENTRE, GULSHAN-E-IQBAL KHI.

AREA	ROOM NOS.	ROOM / AREA NAMES	FLOOR	SKIRT.	DADO	WALLS	CEILING	FALSE CEILING
FIRST FLOOR								

Consultant

ESS -I- AAR

PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3-RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

TITLE: SCHEDULE OF FINISHES (FIRST FLOOR)

Ref. Rev.

SCALE: N.T.S

DATE: 16-11-2020

REV-0: 24-11-2018

DRAWN: M. FAYSAL

CHKD. BY: S.GAZDAR

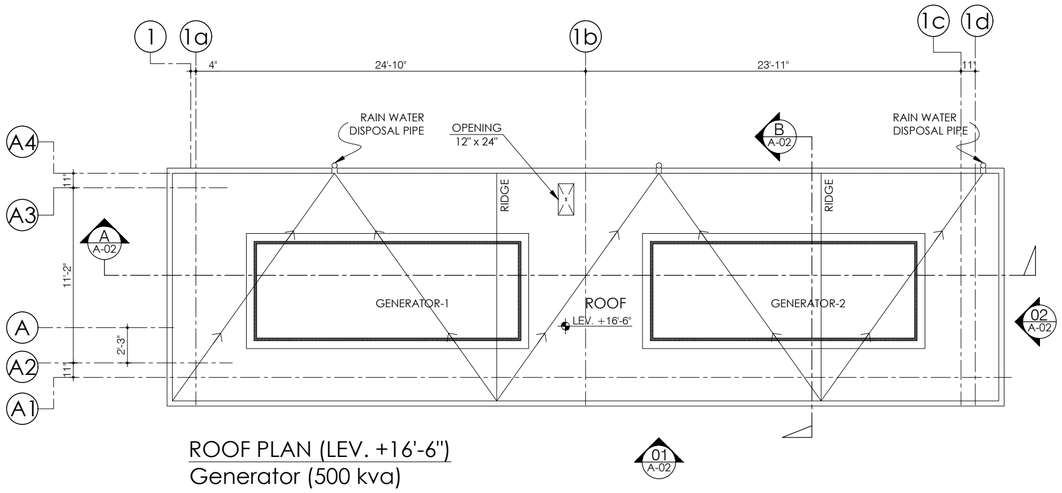
COM. LOCATION.

JOB NO.

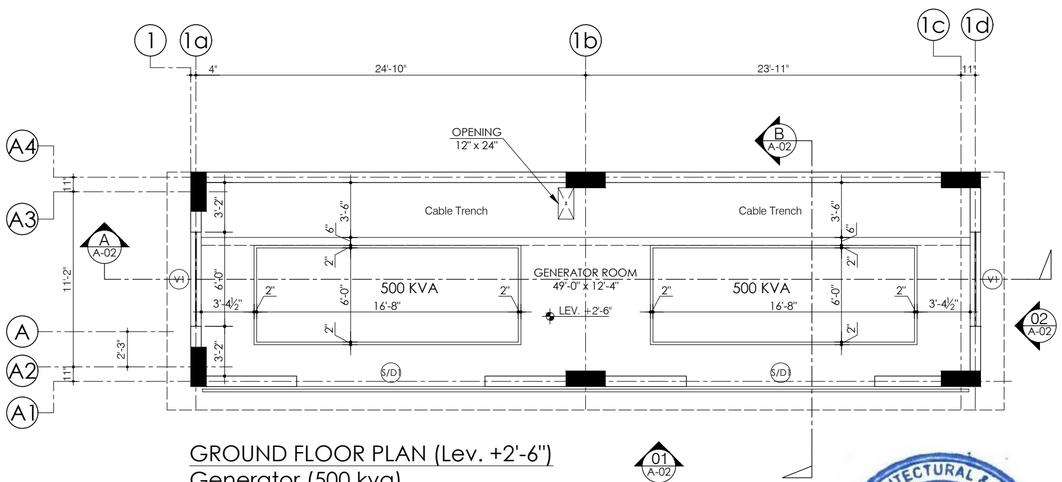
SHEET REF.: ARCH.

A-22c

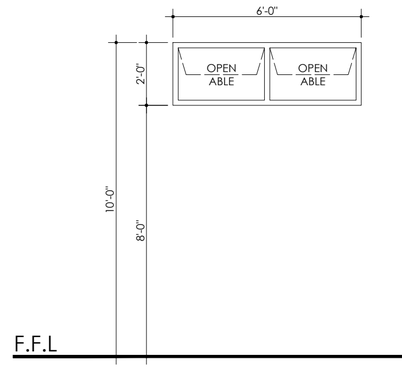
TENDER DRAWING



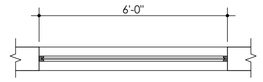
ROOF PLAN (LEV. +16'-6")
Generator (500 kva)



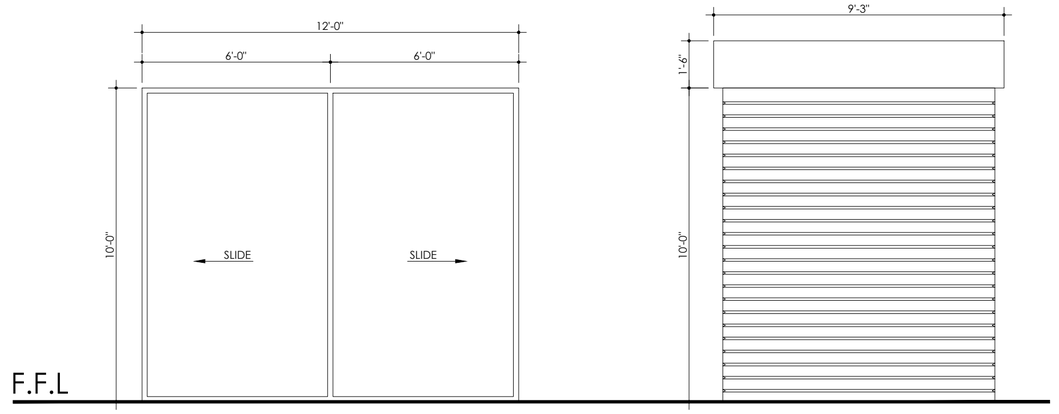
GROUND FLOOR PLAN (Lev. +2'-6")
Generator (500 kva)

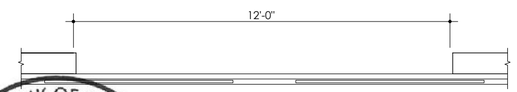


SCHEDULE OF DOORS, WINDOWS & VENTILATORS.				
MARK	SIZE	MATERIAL	NO.S OF GROUND FLOOR	REMARKS.
S/D1	12'-0"x10'-0"		02	
R/S1	8'-0"x10'-0"		01	
V1	6'-0"x2'-0"		02	

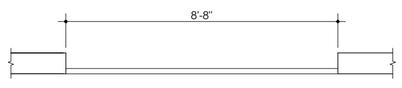


V1





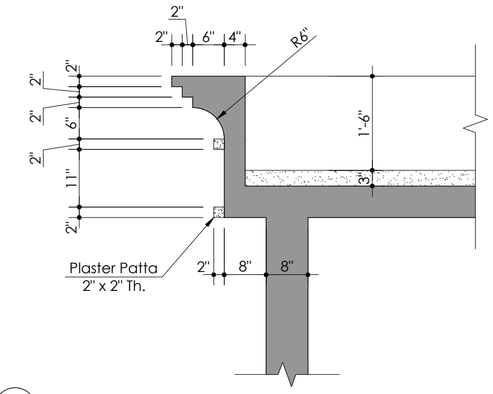
S/D1



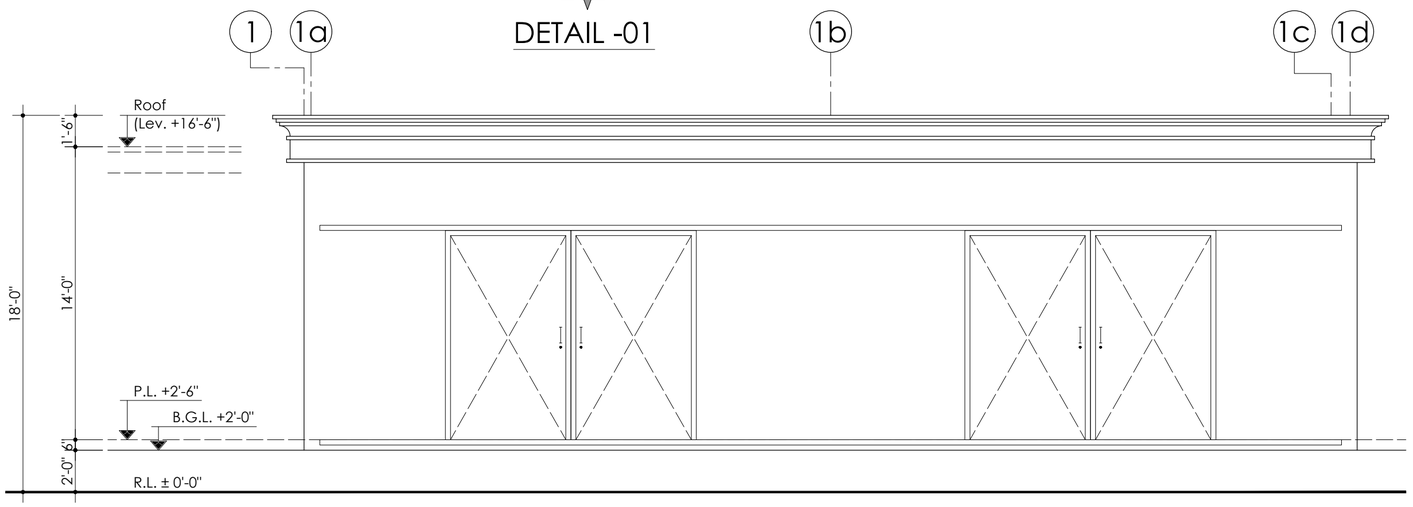
R/S1

TENDER DRAWING

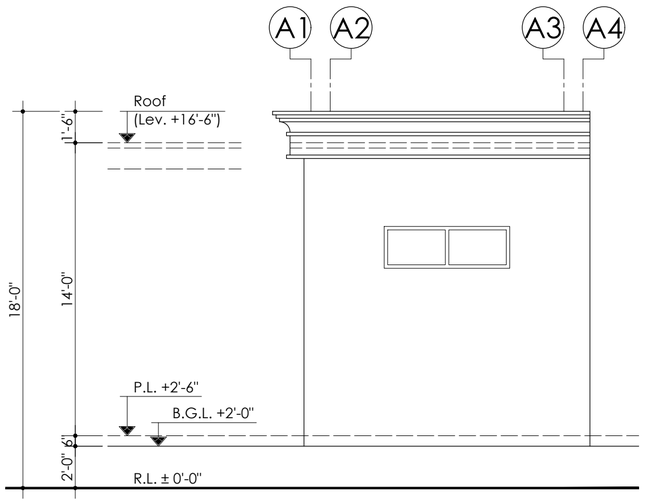
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **GENERATOR BUILDING (500 KVA)**	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: PLANS & SCEHDULE OF DOOR, WINDOWS & VENT.	DATE: 24-11-2018 Rev.0	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-23**



DETAIL -01



ELEVATION -01



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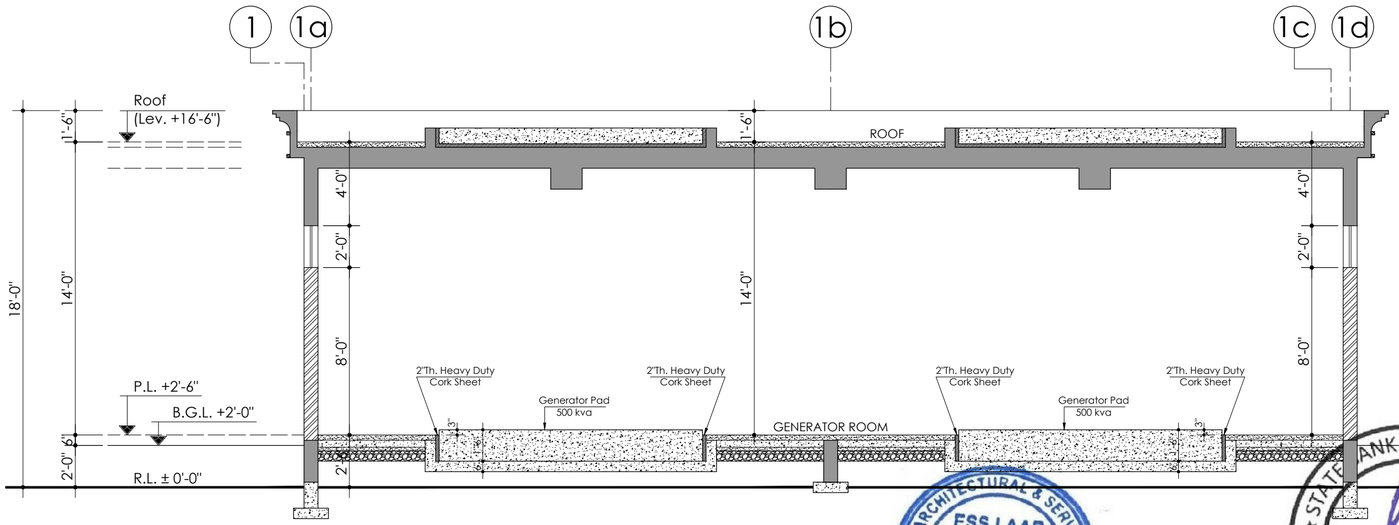
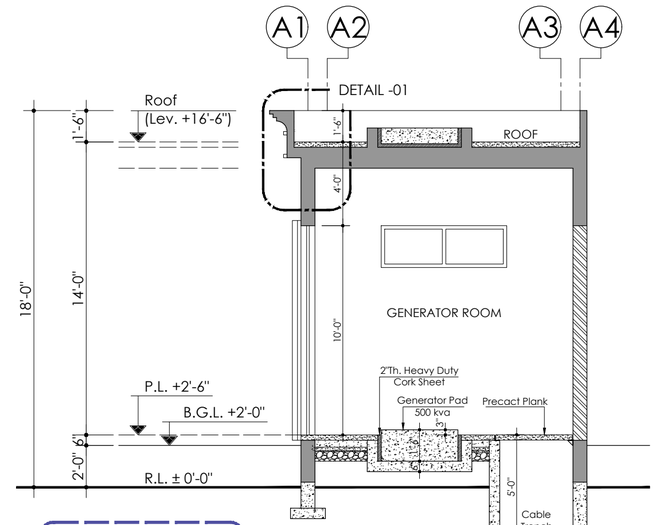


SECTION A-A



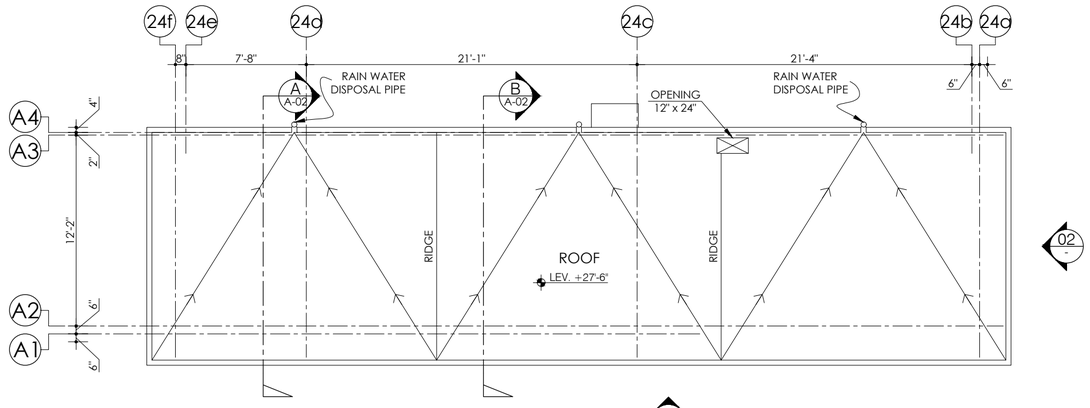
TENDER DRAWING

SECTION B-B

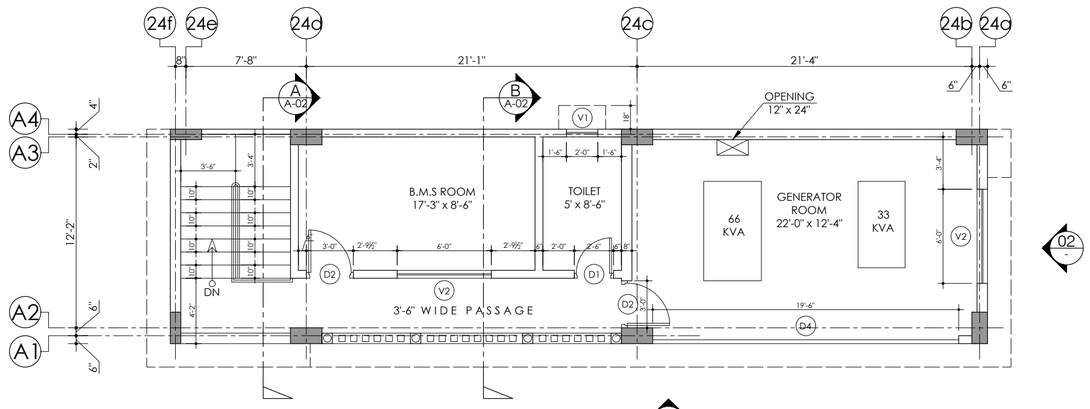
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
ENGG. DEPARTMENT
PROJECT MANAGEMENT DIVISION
ESC HOK

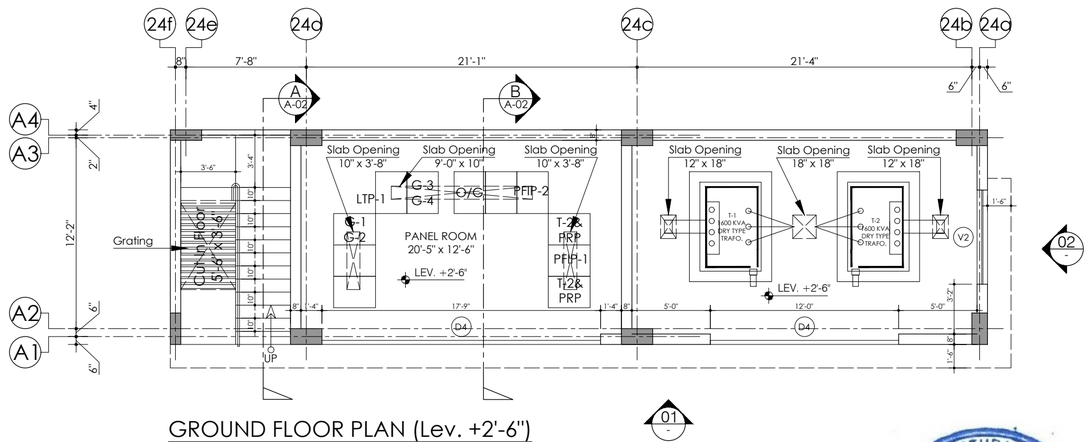
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **GENERATOR BUILDING (500 KVA)**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ELEVATION, SECTION & DETAIL	DATE: 24-11-2018 Rev.0	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-23A**



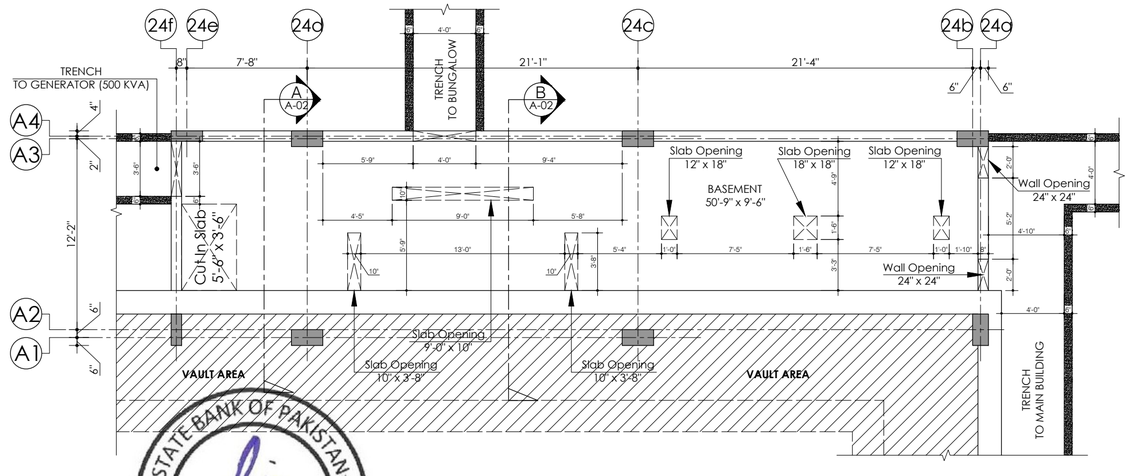
ROOF PLAN (Lev. +27'-6")
Generator (33 & 66 kva)



FIRST FLOOR PLAN (Lev. +15'-0")
Generator (33 & 66 kva) & B.M.S Room



GROUND FLOOR PLAN (Lev. +2'-6")
Transformer & Panel room



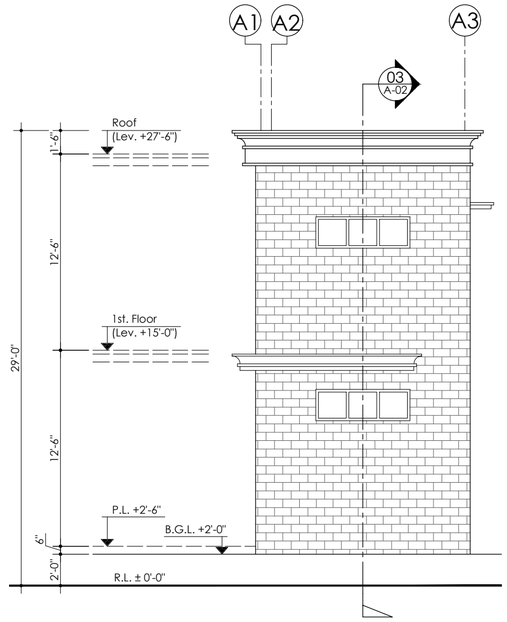
BASEMENT PLAN (Lev. -7'-0")

TENDER DRAWING

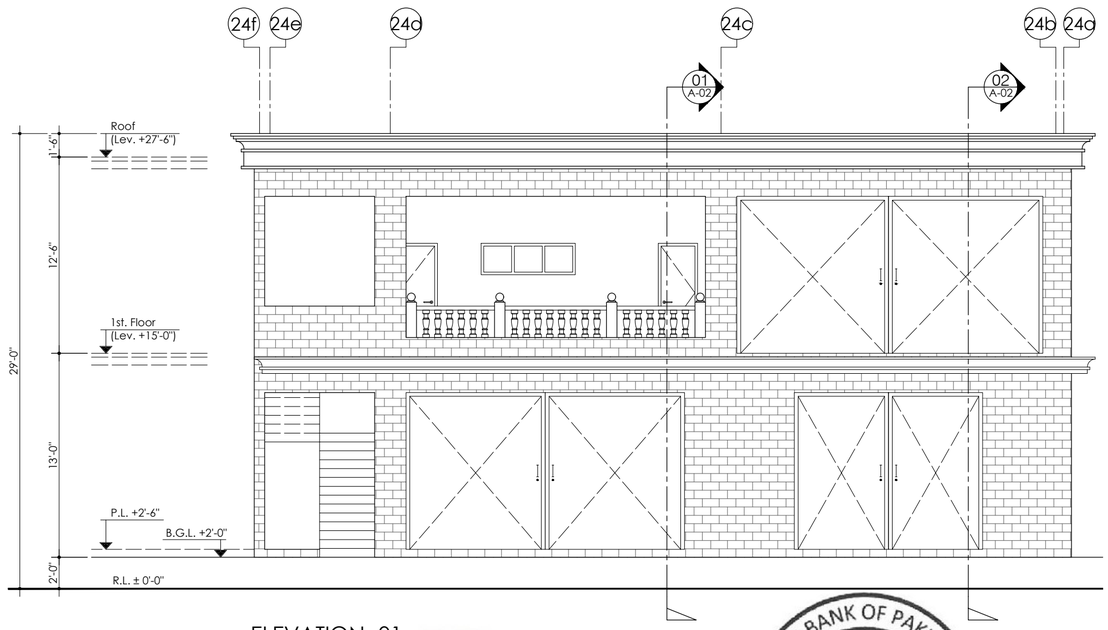
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **GENERATOR BUILDING (33 & 66 KVA)**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: PLANS	DATE: 24-11-2018	COM. LOCATION. / SHEET REF.: ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-24**

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal

STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT PROJECT MANAGEMENT DIVISION KARACHI



ELEVATION -02



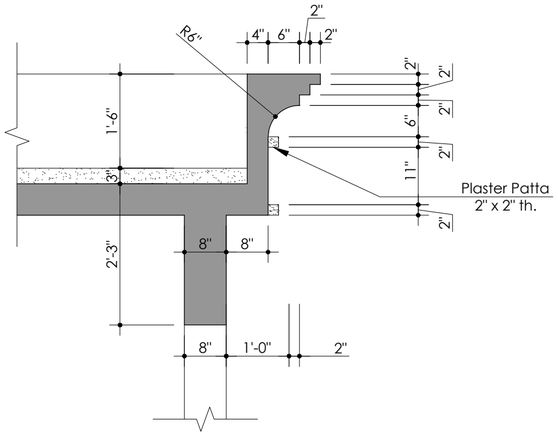
ELEVATION -01

TENDER DRAWING

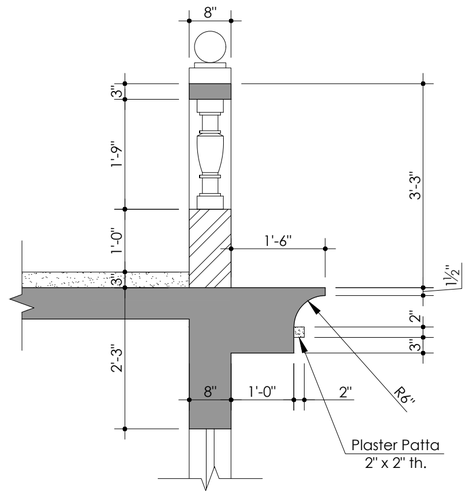
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **GENERATOR BUILDING (33 & 66 KVA)**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: ELEVATIONS 01 & 02	DATE: 24-11-2018 REV.	COM. LOCATION. / SHEET REF.: ARCH.
			Ref. Rev. / SCALE: AS SHOWN	DRAWN: M. FAYSAL	CHKD. BY: S.GAZDAR / JOB NO. / **A-24A**

ENGG. ARCHITECTURAL & SERVICES CONSULTANTS ESS.I.AAR 314, Mashriq Centre 5.S Sulaiman Road, Gulshan-e-Iqbal Karachi

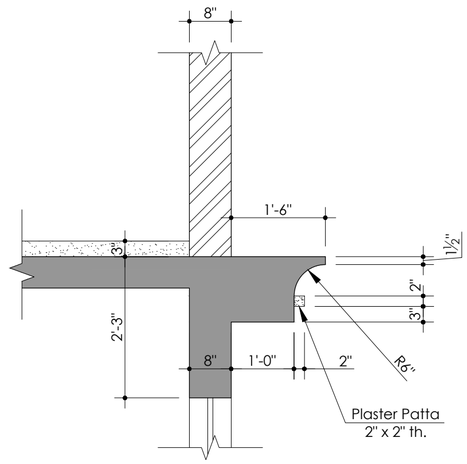
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION ENGINEERING DEPARTMENT



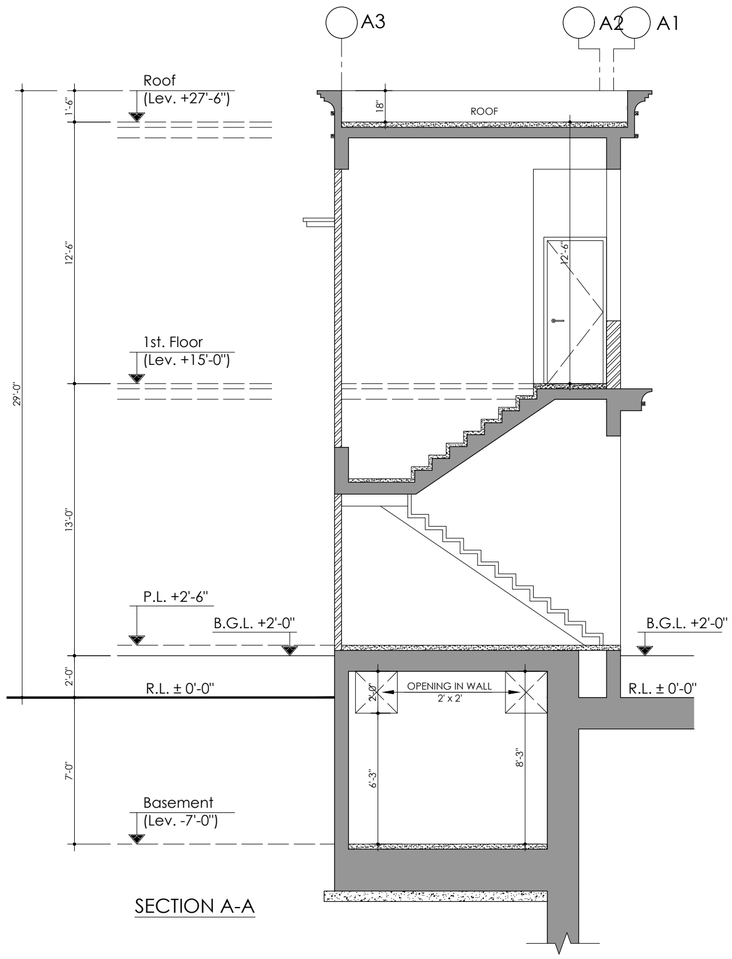
DETAIL -01



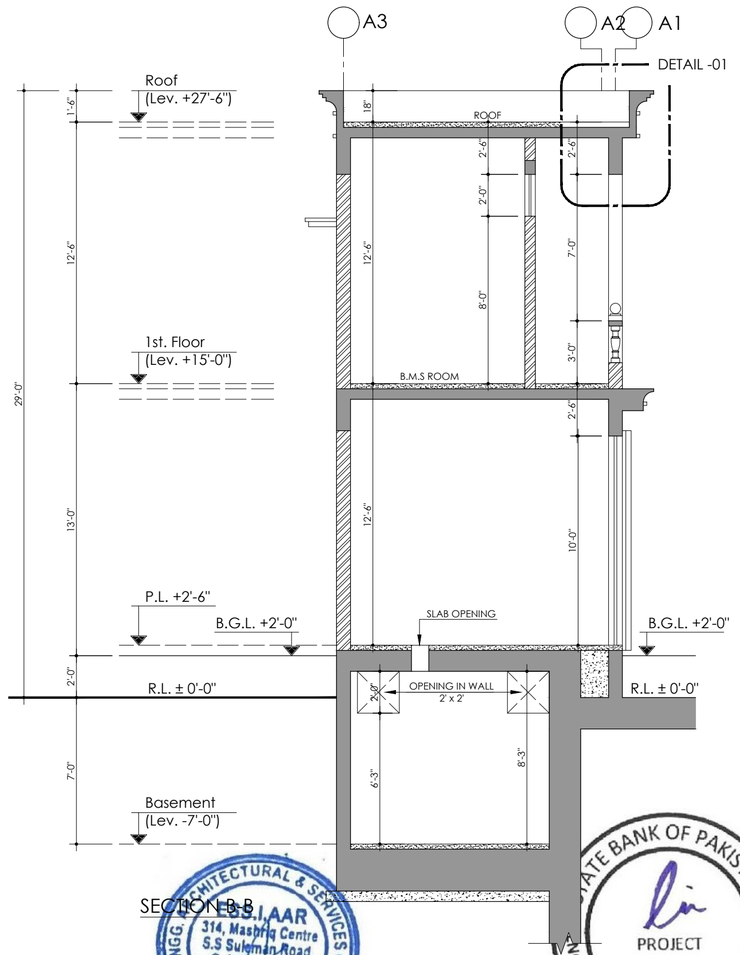
DETAIL -02



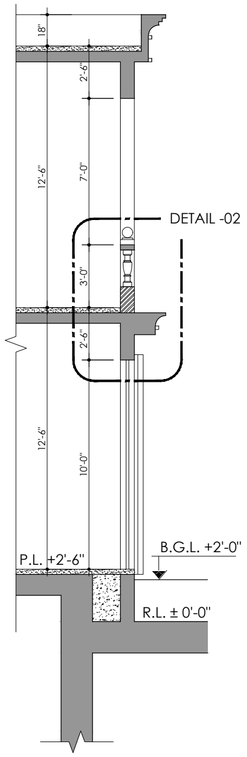
DETAIL -03



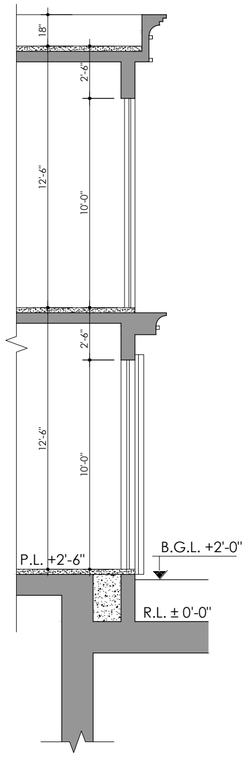
SECTION A-A



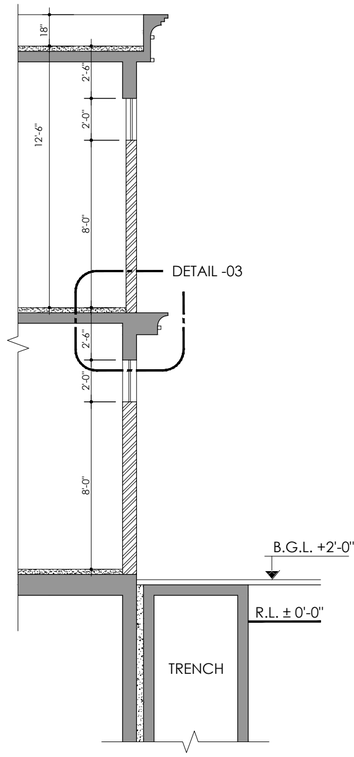
SECTION B-B



SECTION 1-1



SECTION 2-2

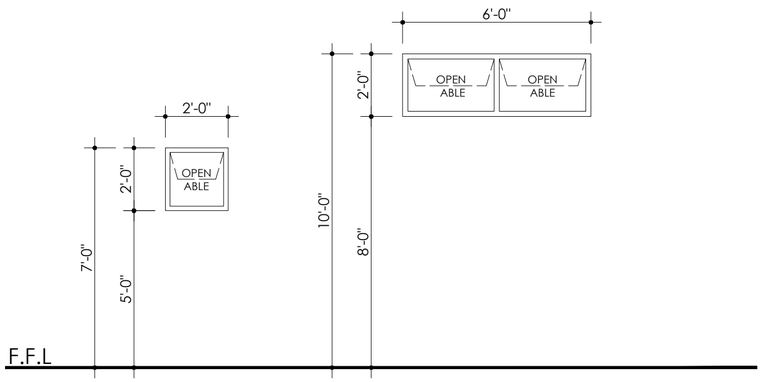


SECTION 3-3

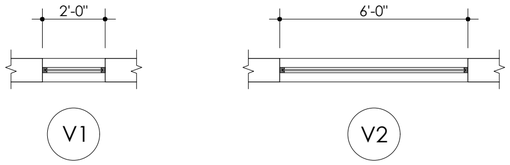
TENDER DRAWING

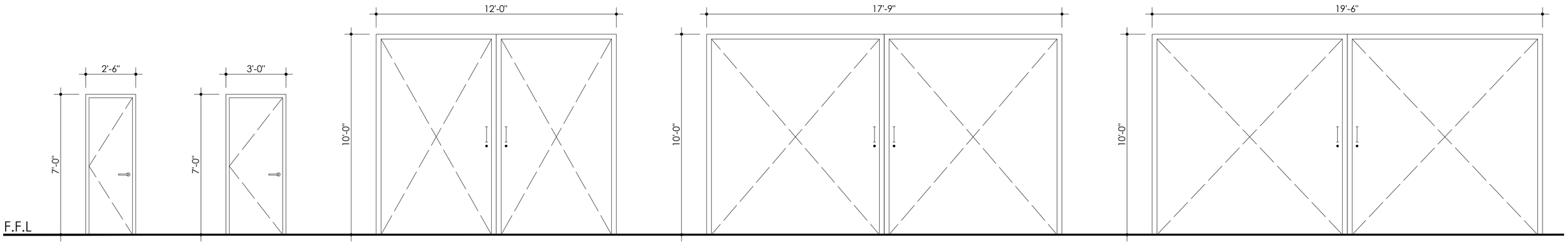
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **GENERATOR BUILDING (33 & 66 KVA)**	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: SECTIONS & DETAILS	DATE: 24-11-2018 (Rev.)	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-24B**

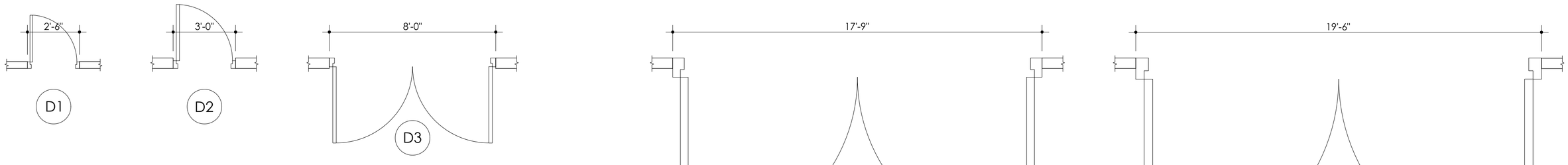
ESS-I-AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION



SCHEDULE OF DOORS, WINDOWS & VENTILATORS.					
MARK	SIZE	MATERIAL	NO.S OF GROUND FLOOR	NO.S OF FIRST FLOOR	REMARKS.
D1	2'-6"x7'-0"			01	
D2	3'-0"x7'-0"			02	
D3	12'-0"x10'-0"		01		
D4	17'-9"x10'-0"		01		
D5	19'-6"x10'-0"			01	
V1	2'-0"x2'-0"			01	
V2	6'-0"x2'-0"		01	02	





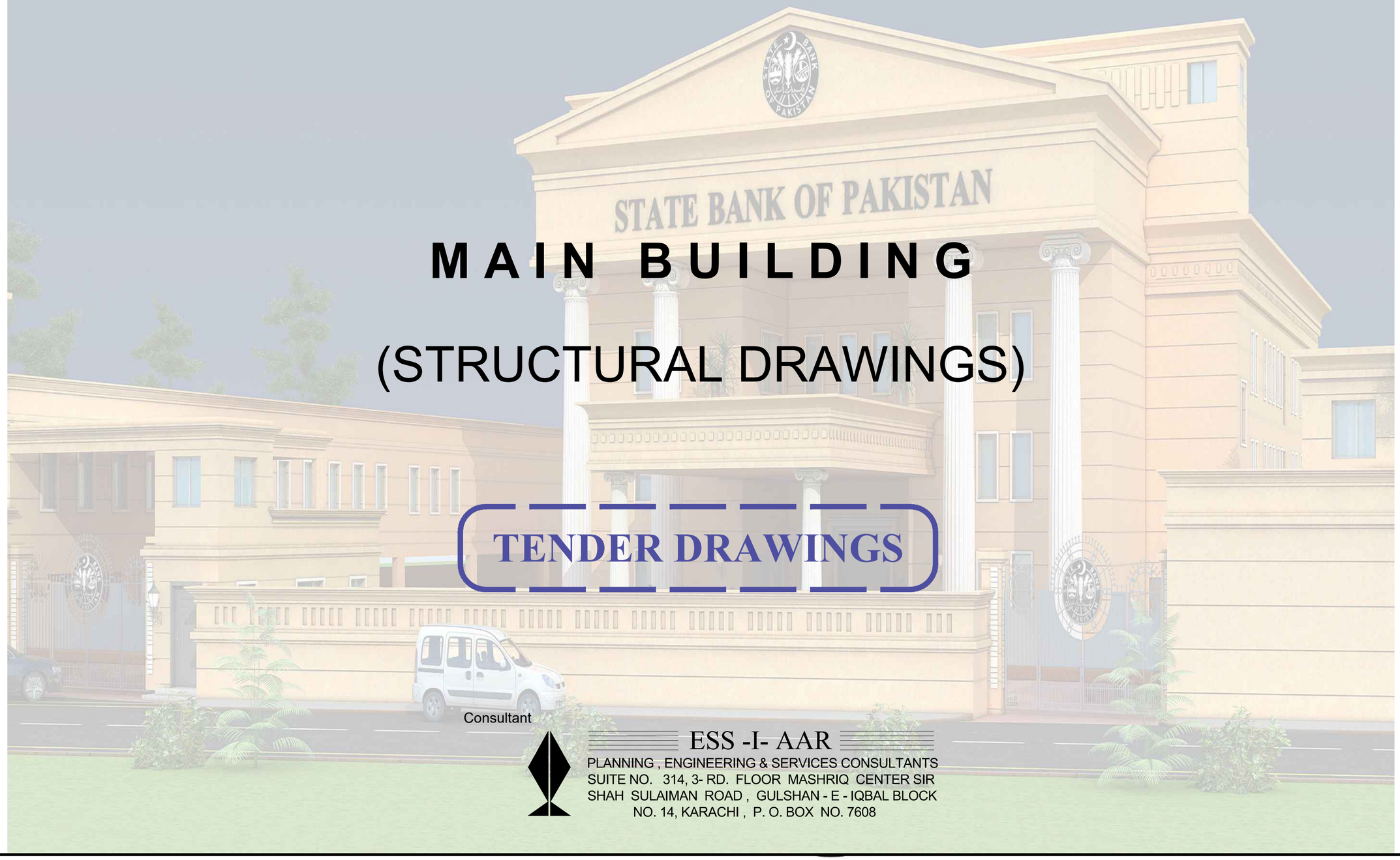


TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **GENERATOR BUILDING (33 & 66 KVA)**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: SCEHDULE OF DOOR, WINDOWS & VENT.	DATE: 24-11-2018	COM. LOCATION.
					SHEET REF. ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL
				CHKD. BY: S.GAZDAR	JOB NO.
					A-24C

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

(STRUCTURAL DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

GENERAL NOTES

1. DESIGN IS IN ACCORDANCE WITH ACI-318 CODE, 2008 SPECIFICATIONS.
2. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE JOB SPECIFICATIONS.

3A ALL REINFORCED CONCRETE IS 4000 PSI CYLINDER STRENGTH AT 28 DAYS, EXCEPT 6000 PSI FOR VAULT WALLS , VAULT SLAB AND RAFT

3. DESIGN OF SPECIFIED CONCRETE MIX SHALL BE SUBMITTED BY THE CONTRACTOR AND SHALL BE GOT APPROVED FROM THE ENGINEER WELL BEFORE CONCRETING OF RELEVANT STURCTURES ALONGWITH RESULT OF TEST CYLINDERS TESTED AS PER ASTM C 39. TEST SPECIMENS SHALL BE MADE AND CURED IN ACCORDANCE WITH ASTM C 31.
4. ALL REINFORCING STEEL IS DEFORMED 60,GRADE 60000 PSI MIN. YIELD STRENGTH AS PER ASTM A-615 SPECIFICATIONS.
5. ORDINARY PORTLAND CEMENT, CONFORMING TO BS-12 / PS-232 SHALL BE USED IN ALL R.C.C. WORK EXCEPT WHERE IT IS SPECIFICALLY MENTIONED IN THE GEOTECHNICAL REPORT.
6. CEMENT FROM DIFFERENT SOURCES SHALL NOT BE MIXED FOR THE STRUCTURE.
7. COARSE SAND FROM APPROVED QUERIES / SOURCES SHALL BE USED.
8. WELL GRADED CRUSHED STONE FROM APPROVED QUERIES / SOURCES SHALL BE USED AS COARSE AGGREGATE. MAXIMUM NOMINAL SIZE OF THE COARSE AGGREGATE SHALL BE 3/4" INCH FOR ALL R.C.C. WORK.
9. POTABLE WATER, FREE OF ORGANIC AND OTHER IMPURITIES. SHALL BE USED FOR CONCRETE .
10. 2" X 2" INCH PRECAST CONCRETE BLOCKS HAVING COMPRESSIVE STRENGTH OF 4000 PSI. AND SPACED NOT MORE THAN 4' FEET C/C SHALL BE USED FOR PROVISION OF REQUIRED COVER TO MAIN REINFORCEMENT. THICKNESS OF THESE BLOCKS SHALL BE EQUAL TO THE REQUIRED COVER.
11. ALL DIMENSIONS ARE IN FEET, EXCEPT NOTED OTHERWISE.
12. UNLESS OTHERWISE SHOWN ON THE PLANS, CONCRETE CLEAR COVER PROVIDED FOR REINFORCEMENT SHALL BE AS FOLLOWS;

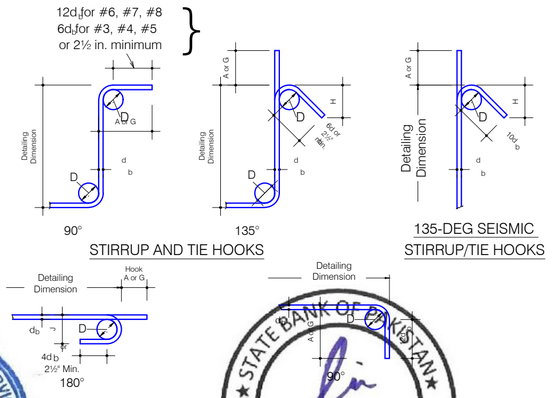
FOOTINGS ON 1:4:8		
BOOTOM	==========	3"
TOP , SIDES	==========	2"
SLABS	==========	¾"
BEAMS & COLUMNS	==========	1½"
WALLS	==========	1½"

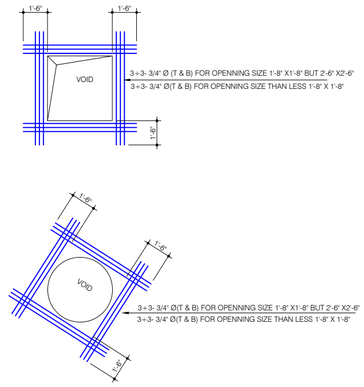
13. CONSTRUCTION DRAWINGS ALONG WITH BAR BENDING SCHEDULE SHALL BE SUBMITTED BY THE CONTRACTOR FOR ENGINEER'S APPROVAL WELL BEFORE PROCEEDING ANY WORK.
14. ALL LAYOUT, CONFIGURATION, DIMENSIONS AND LEVELS SHALL BE VERIFIED BEFORE PROCEEDING WITH THE WORK.
15. ALL REINFORCING BARS SHALL BE HELD FIRMLY IN PLACE BEFORE AND DURING THE POURING OF CONCRETE BY MEANS OF ADEQUATE NUMBER OF WIRES AND SUPPORTS TO PREVENT DISLOCATION DURING THE COURSE OF CONSTRUCTION.
16. CONSTRUCTION JOINT NOT SHOWN ON THE DRAWING SHALL BE PROPERLY PLANED AND SO MADE AND LOCATED AS TO LEAST IMPAIR THE STRENGTH OF STRUCTURE AND SHALL NEED PRIOR APPROVAL OF THE ENGINEER. IN GENERAL THEY SHALL BE LOCATED NEAR THE MIDDLE OF THE SPAN OF SLAB AND BEAMS. JOINTS SHALL BE PERPENDICULAR TO MAIN REINFORCEMENT. ALL REINFORCING STEEL SHALL BE CONTINUED PROPERLY ACROSS THE JOINTS.
17. DURING CONSTRUCTION, SAFETY AND STABILITY OF THE STRUCTURE AND ALL TEMPORARY WORKS SHALL BE GIVEN PRIME IMPORTANCE. UTMOST CARE AND PRECAUTION SHALL BE EXERCISED BY THE CONTRACTOR DURING THE WORK AGAINST ANY MISHAP OR ACCIDENT.
18. BARS IN BEAMS SHALL BE JOGGLED IN VERTICAL PLANE FOR LAPS AND SHALL BE STAGGERED.
19. ALL LAPS ARE 54 TIMES BAR DIAMETER.
20. BARS IN COLUMN SHALL BE JOGGLED FOR LAPS WITH STARTER BARS.
21. POSITION OF BARS IN BEAMS SHALL BE ADJUSTED KEEPING IN VIEW THE POSITION OF VERTICAL BARS OF THE COLUMNS.
22. STIRRUPS SHALL BE PLACED IN SUCH A WAY THAT THEIR HOOKS SHALL BE STAGGERED AND LOCATED AT COMPRESSION FACE.
23. CONCRETE TEST CYLINDER SHALL BE CURED WITH THE SAME METHOD AND UNDER SAME CONDITIONS AS THOSE FOR THE CONCRETE WORK THEY REPRESENT.
24. NO CONCRETE SHALL BE POURED UNTIL ITS FORM WORK AND REINFORCEMENT HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
25. SEQUENCE OF REMOVAL OF FORM WORK SHALL BE AS APPROVED BY THE ENGINEER.
26. ALL STRUCTURAL DRAWINGS SHALL BE READ & CHECKED IN CONJUNCTION WITH THE ARCHITECTURAL, HVAC,ELECTRICAL, AND PLUMBING DRAWINGS FOR LAYOUT AND LEVELS OF DIFFERENT MEMBERS.
27. EXISTING UNDERGROUND SERVICES IF ANY, REQUIRED TO BE LEFT IN POSITION, SHALL BE CAREFULLY PROTECTED DURING EXCAVATION.
28. EXCAVATION ADJACENT TO EXISTING STRUCTURES AND/OR UNDER-GROUND SERVICES SHALL BE MADE BY HAND.
29. ADEQUATE SHORING AND SUPPORT TO THE SIDES OF ALL EXCAVATION SHALL BE SUPPLIED AND ERECTED WHERE REQUIRED TO SAFE GUARD WORKMEN AND PROTECT ANY ADJACENT STRUCTURES.
30. LEAN CONCRETE 1:4:8 SHALL BE MADE WITH COARSE SAND AND CRUSHED STONE AGGREGATES PASSING SIEVE ONE INCH AND SHALL GIVE A MINIMUM OF 1000 PSI AT 28 DAYS.
31. IOSLATED FOUNDATION HAS BEEN DESIGNED FOR A BEARING CAPACITY OF 1.0 TSF. RAFT FOUNDATION HAS BEEN DESIGNED FOR A BEARING CAPACITY OF 3.6 TSF
32. THE FOUNDATION IS CAPABLE OF BASEMENT + G+4 FLOORS.
33. ALL BLOCKS USED SHALL BE 6" X 8" X 12" AND SHOULD AT LEAST GIVE 1200 PSI WHEN TESTED FLAT WITH PROPER CAPPING.
34. ONLY WRITTING DIMENSIONS ARE TO BE FOLLOWED DRAWINGS SHOULD NOT BE SCALE
35. TOP OF RAFT CONCRETE SHALL HAVE POWER FLOAT FINISH WITH ZERO UNDULATION IN LEVEL
36. BACK FILLING OF EXCAVATION BEHIND RETAINING WALL AND OTHER AREAS SHALL BE DONE IN EQUAL LAYER NOT EXCEEDING 6" THICKNEES. EACH LAYER IS TO ACHIEVE MINIMUM 95%% MAX.DRY DENSITY
37. WATERPROOFING: SUBSTRUCTURE WATERPROOFING SHALL BE DONE, AND PROTECTIVE MEMBRANE SHALL BE PROVIDED AS GIVEN IN DRAWING.
38. 6" THICK CRUSHED GRAVEL LAYER SHALL BE PROVIDED BELOW LEAN CONCRETE IN ALL FOUNDATION, AS A LEVELING AND FILTER LAYER
39. ALL COLUMNS WILL BE CAPPED AT 3'-0" ABOVE ROOF LEVEL , WITH 1:3:6 CONCRETE
40. REINFORCEMENT BARS AND CAPPED COLUMNS SHALL BE EPOXY COATED AS PER DIRECTION OF ENGINEER INCHARGE.
41. SULPHATE RESISTANT CEMENT SHALL BE USED FOR CONCRETE WORKS IN INSPECTION CHAMBER ,TRENCHES,SEPTIC TANK AND SOAK PIT

RECOMMENDED END HOOKS, ALL GRADES

Bar Size	Finished bend diameter D,in.	180-deg hooks A or G, in.	180-deg hooks J, in.	90-deg hooks A or G, in.
#3	2¼	5	3	6
#4	3	6	4	8
#5	3 ¾	7	5	10
#6	4½	8	6	12
#7	5¼	10	7	14
#8	6	11	8	16
#9	9½	15	11¼	19
#10	10 ¾	17	13¾	20
#11	12	19	14¾	24
#14	18¼	27	21¾	31
#18	24	36	28½	41

Bar Size	D (in.)	Stirrups and tie hook dimensions, in. 90-deg hooks A or G,	Stirrups and tie hook dimensions, in. 135-deg hooks A or G,	Stirrups and tie hook dimensions, in. 135-deg hooks H approx	135 deg Stirrup-tie hook dimensions, in. 135-deg hooks A or G, in.	135 deg Stirrup-tie hook dimensions, in. 135-deg hooks H approx
#3	1½	4	4	2½	5	3½
#4	2	4½	4½	3	6½	4½
#6	4½	12	7 3/4	4½	10 3/4	6½





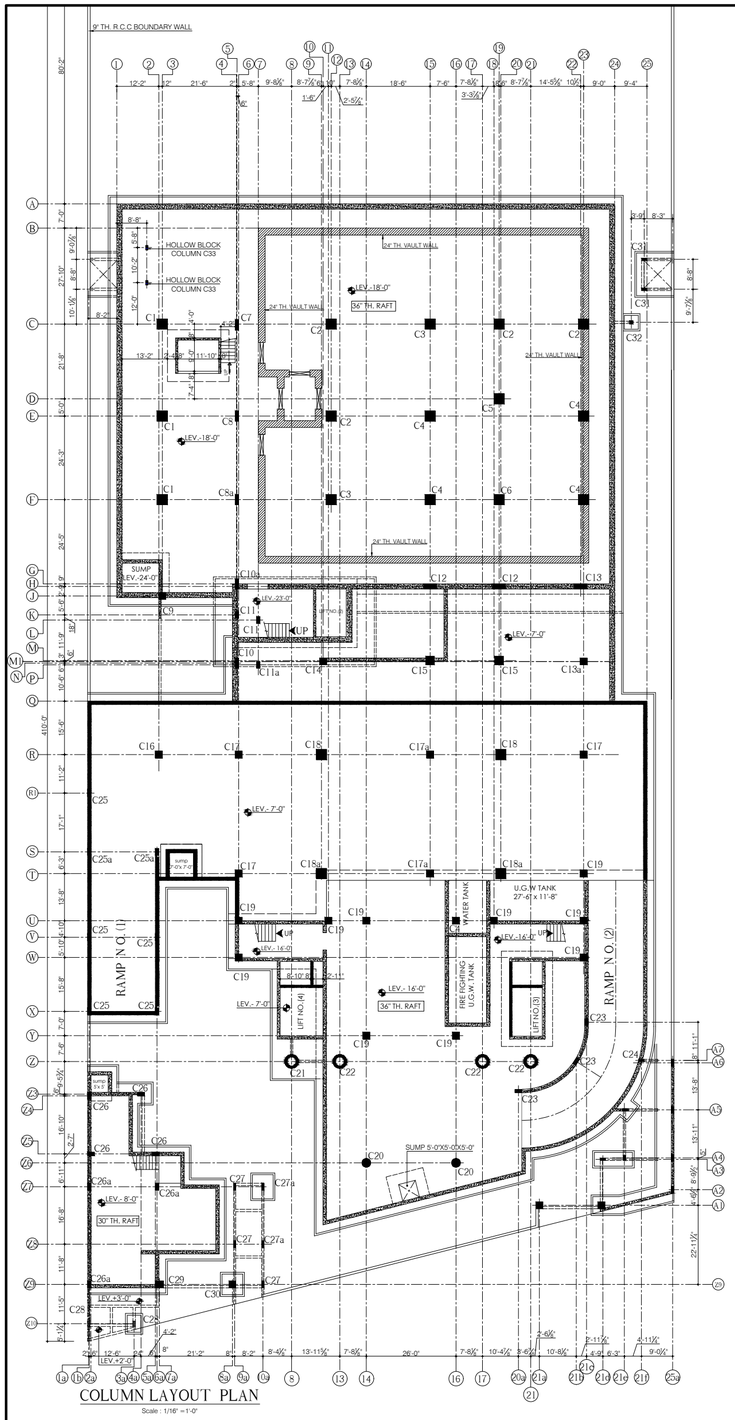
REINFORCEMENT DETAIL AT OPENING IN SLAB / WALLS AND SLEEVES

TENDER DRAWING

Client	Job	Consultant	TITLE:	DATE:	LOCATION :-	JOB REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 3/4, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI , P. O. BOX NO. 7608	GENERAL NOTES	24-11-18	E: \ STATE BANK P.C M.FARHAN	886

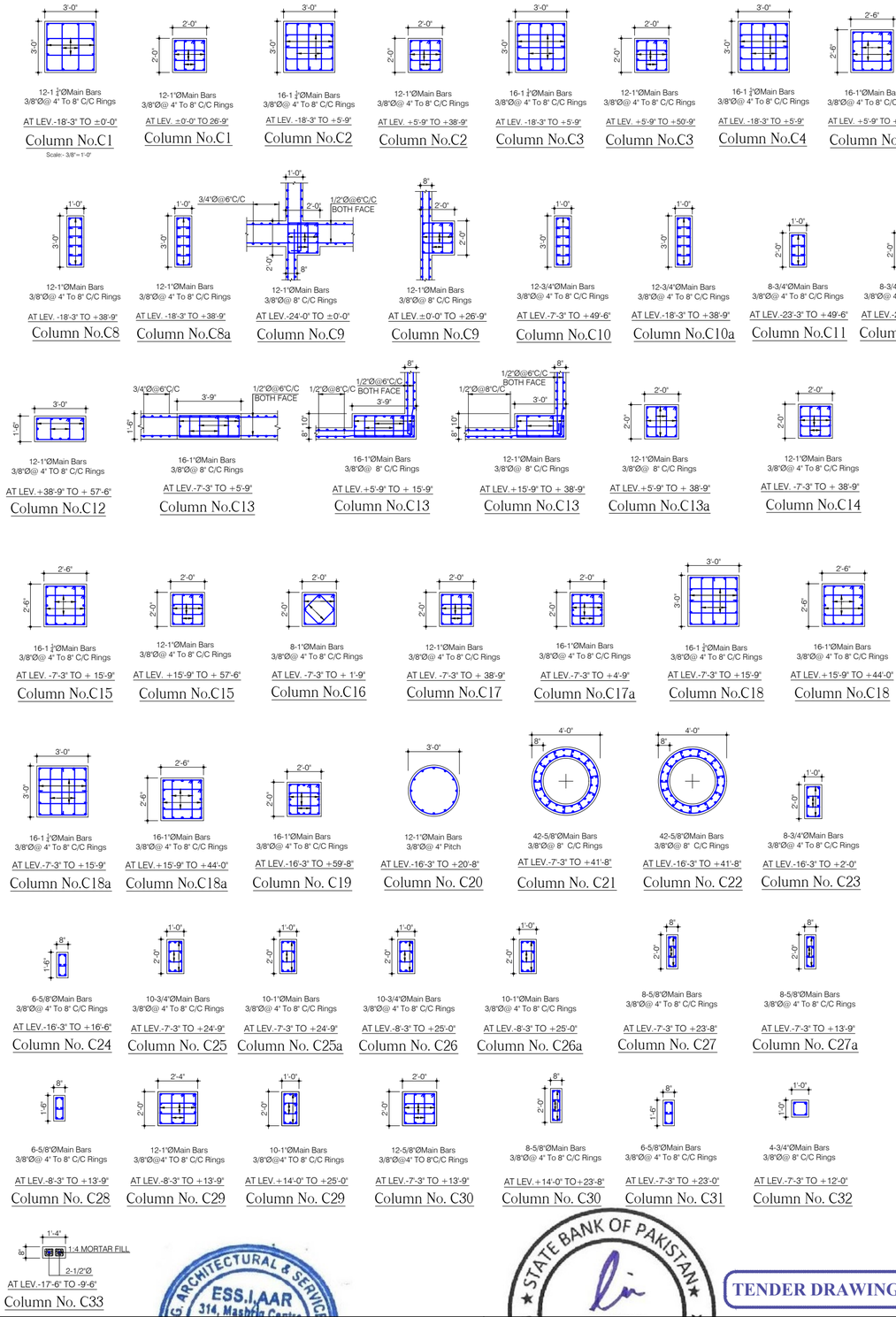
MARK	REVISION	SIGN	DATE

DRAWN: M.AKHTAR | SHEET REF. STR. | **GN=01**



COLUMN LAYOUT PLAN

Scale : 1/16" =1'-0"



12-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-18'-3" TO ±0'-0" — Column No.C1 (Scale:- 3/8"= 1'-0")
12-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. ±0'-0" TO 26'-9" — Column No.C1
16-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -18'-3" TO +5'-9" — Column No.C2
12-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. +5'-9" TO +38'-9" — Column No.C2
16-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -18'-3" TO +5'-9" — Column No.C3
12-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. +5'-9" TO +50'-9" — Column No.C3
16-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -18'-3" TO +5'-9" — Column No.C4
16-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. +5'-9" TO +50'-9" — Column No.C4
16-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -18'-3" TO +29'-9" — Column No.C5
12-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -18'-3" TO +5'-9" — Column No.C6
10-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -18'-3" TO +5'-9" — Column No.C7
8-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -5'-9" TO +38'-9" — Column No.C7

12-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -18'-3" TO +38'-9" — Column No.C8
12-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -18'-3" TO +38'-9" — Column No.C8a
12-1"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.-24'-0" TO ±0'-0" — Column No.C9
12-1"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.±0'-0" TO +26'-9" — Column No.C9
12-3/4"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +49'-6" — Column No.C10
12-3/4"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-18'-3" TO +38'-9" — Column No.C10a
8-3/4"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-23'-3" TO +49'-6" — Column No.C11
8-3/4"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-23'-3" TO +49'-6" — Column No.C11a
16-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +5'-9" — Column No.C12
16-1"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.+5'-9" TO + 15'-9" — Column No.C12
12-1"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.+15'-9" TO + 38'-9" — Column No.C12

12-1"ØMain Bars 3/8"Ø@ 4" TO 8" C/C Rings — AT LEV.+38'-9" TO + 57'-6" — Column No.C12
16-1"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.-7'-3" TO +5'-9" — Column No.C13
16-1"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.+5'-9" TO + 15'-9" — Column No.C13
12-1"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.+15'-9" TO + 38'-9" — Column No.C13
12-1"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.+5'-9" TO + 38'-9" — Column No.C13a
12-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -7'-3" TO + 38'-9" — Column No.C14

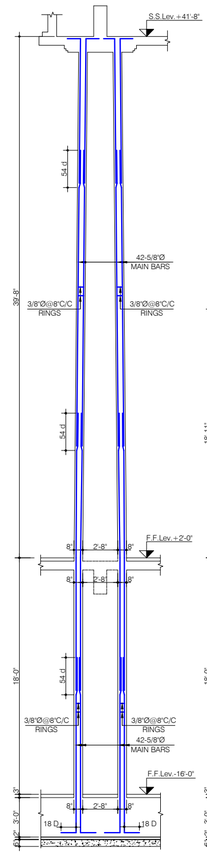
16-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -7'-3" TO + 15'-9" — Column No.C15
12-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. +15'-9" TO + 57'-6" — Column No.C15
8-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -7'-3" TO + 1'-9" — Column No.C16
12-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -7'-3" TO + 38'-9" — Column No.C17
16-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV. -7'-3" TO +4'-9" — Column No.C17a
16-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +15'-9" — Column No.C18
16-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.+15'-9" TO +44'-0" — Column No.C18

16-1 ¾"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +15'-9" — Column No.C18a
16-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.+15'-9" TO +44'-0" — Column No.C18a
16-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-16'-3" TO +59'-8" — Column No. C19
12-1"ØMain Bars 3/8"Ø@ 4" Pitch — AT LEV.-16'-3" TO +20'-8" — Column No. C20
42-5/8"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.-7'-3" TO +41'-8" — Column No. C21
42-5/8"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.-16'-3" TO +41'-8" — Column No. C22
8-3/4"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-16'-3" TO +2'-0" — Column No. C23

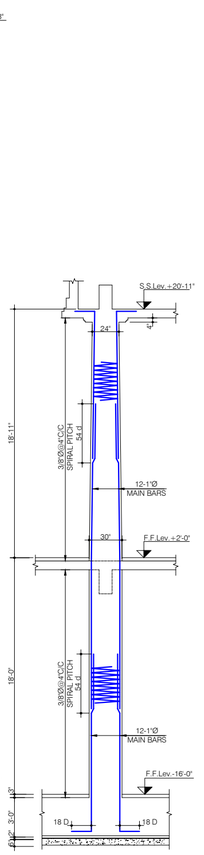
6-5/8"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-16'-3" TO +16'-6" — Column No. C24
10-3/4"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +24'-9" — Column No. C25
10-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +24'-9" — Column No. C25a
10-3/4"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-8'-3" TO +25'-0" — Column No. C26
10-1"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-8'-3" TO +25'-0" — Column No. C26a
8-5/8"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +23'-8" — Column No. C27
8-5/8"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +13'-9" — Column No. C27a

6-5/8"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-8'-3" TO +13'-9" — Column No. C28
12-1"ØMain Bars 3/8"Ø@4" To 8" C/C Rings — AT LEV.-8'-3" TO +13'-9" — Column No. C29
10-1"ØMain Bars 3/8"Ø@4" To 8" C/C Rings — AT LEV.+14'-0" TO +25'-0" — Column No. C29
12-5/8"ØMain Bars 3/8"Ø@4" To 8"C/C Rings — AT LEV.-7'-3" TO +13'-9" — Column No. C30
8-5/8"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.+14'-0" TO+23'-8" — Column No. C30
6-5/8"ØMain Bars 3/8"Ø@ 4" To 8" C/C Rings — AT LEV.-7'-3" TO +23'-0" — Column No. C31
4-3/4"ØMain Bars 3/8"Ø@ 8" C/C Rings — AT LEV.-7'-3" TO +12'-0" — Column No. C32

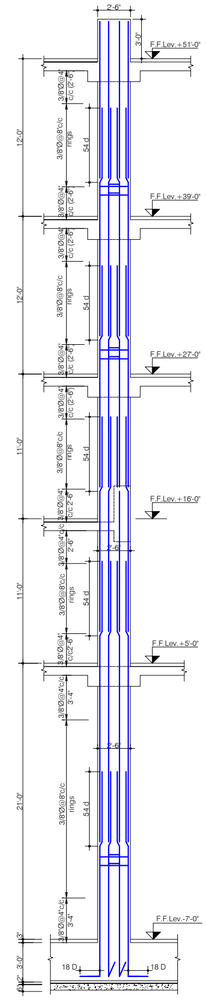
1:4 MORTAR FILL, 2-1/2"Ø — AT LEV.-17'-6" TO -9'-6" — Column No. C33



COLUMN PROFILE C22



COLUMN PROFILE C20



TYPICAL COLUMN PROFILE

TENDER DRAWING

Client: STATE BANK OF PAKISTAN

Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA — **MAIN BUILDING**

Consultant: PROJECT MANAGEMENT — ESS -I- AAR — PLANNING ENGINEERING & SERVICES CONSULTANTS — VISION : SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI , P. O. BOX NO. 7608

TITLE: COLUMN LAYOUT PLAN AND SECTIONS

DATE: 24-11-18

LOCATION :- E: \ STATE BANK P.C M.FARHAN

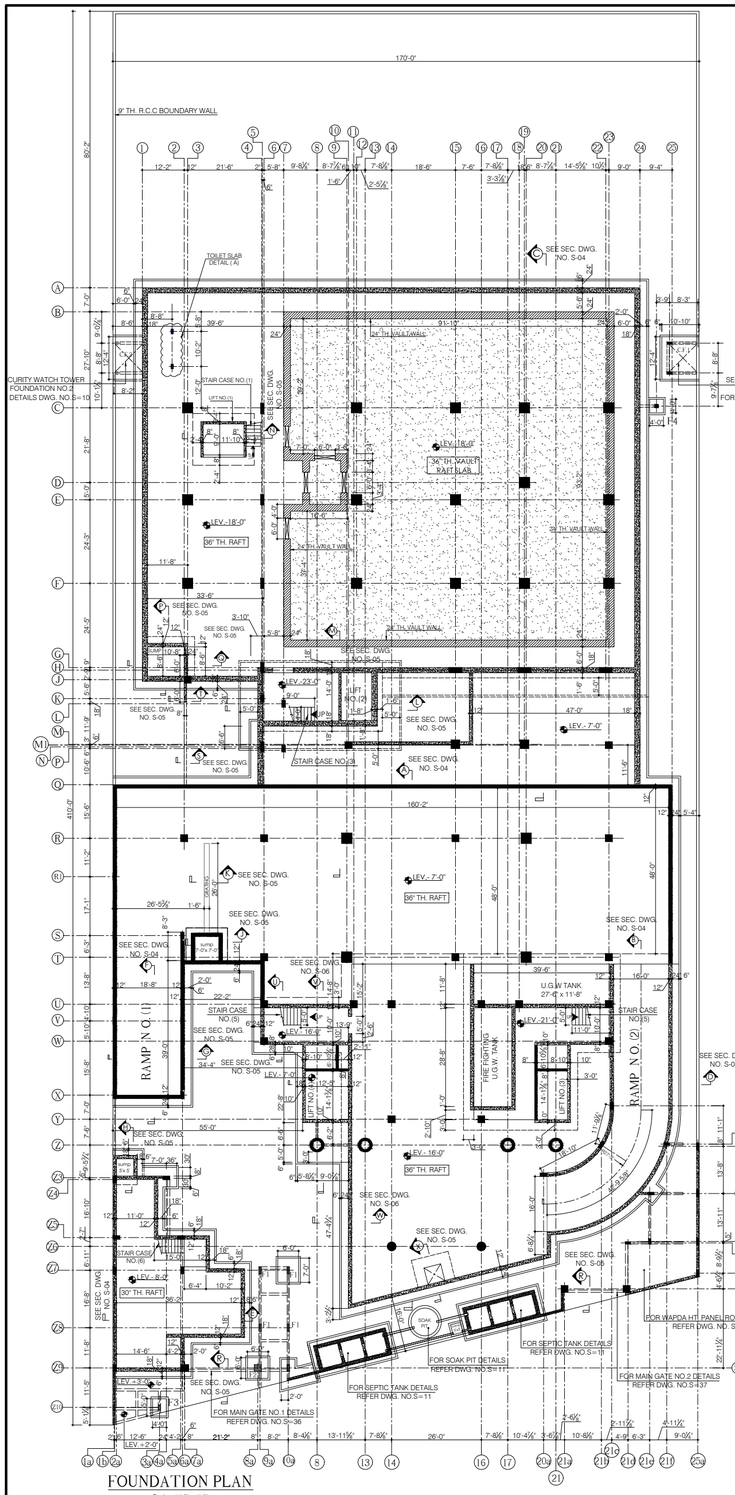
JOB REF. 886

MARK	REVISION	SIGN	DATE

DRAWN: M.AKHTAR

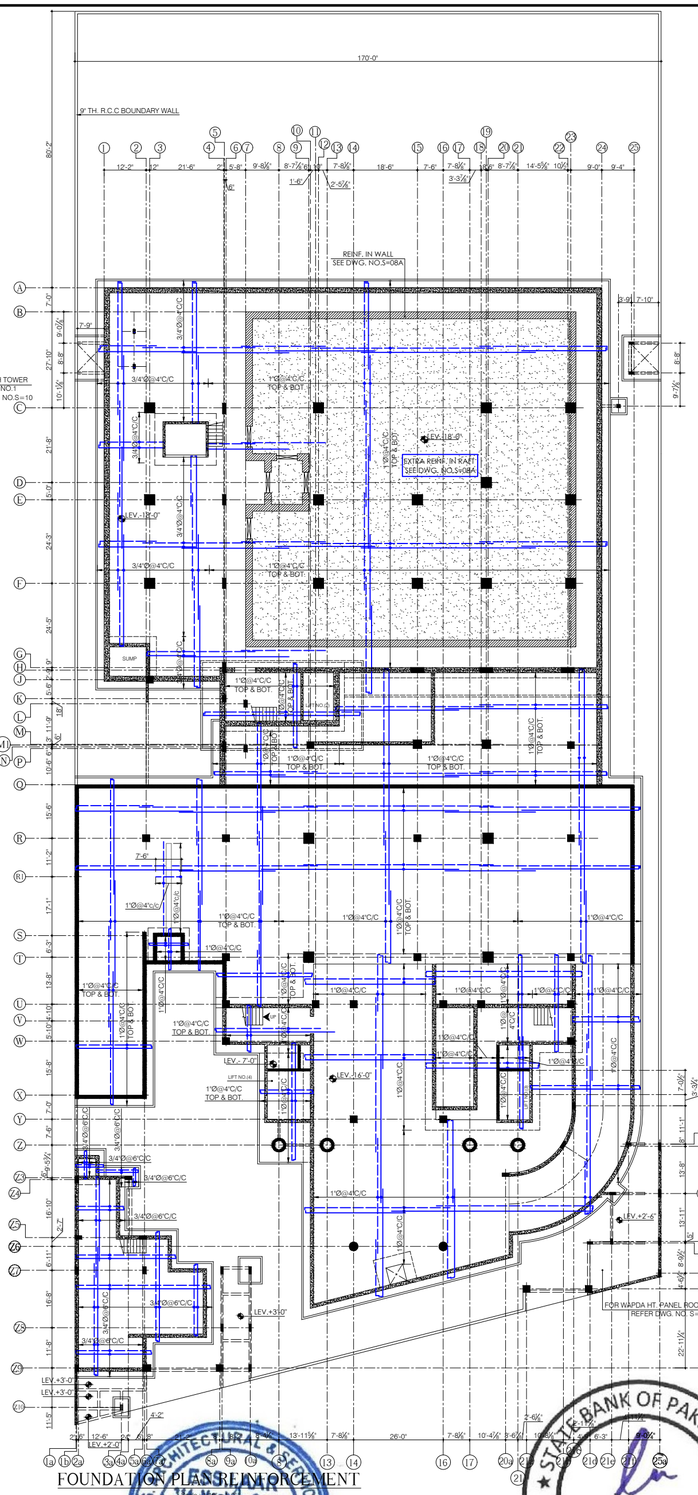
SHEET REF. STR.

S=01



FOUNDATION PLAN

Scale : 1/16" = 1'-0"



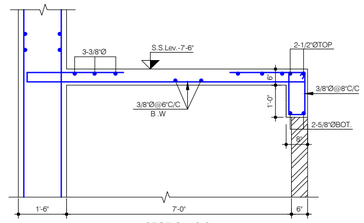
FOUNDATION PLAN REINFORCEMENT

NOTES:-

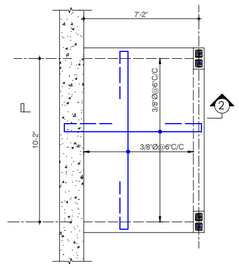
1. FOR GENERAL NOTES REFER DWG. NO. GN-01
2. FOR FOUNDATION SECTIONS AND LIFT DETAILS REFER DWG. NO. S= 04 TO S=06
3. FOR COLUMN LAYOUT AND REINFORCEMENT REFER DWG. NO. S= 01
4. FOR STAIR CASE DETAILS REFER DWG. NO. S= 22 TO S=24
5. RAFT FOUNDATION HAS BEEN DESIGNED FOR A BEARING CAPACITY OF 3.65 TSF. THIS SHOULD BE CONFIRMED PRIOR TO START OF CONSTRUCTION THROUGH CONFIRMATORY TESTING
6. 6" THICK CRUSHED STONE SOLLING SHALL BE PROVIDED BELOW LEAN CONCRETE IN ALL FOUNDATION, AS A LEVELING AND FILTER LAYER

SCHEDULE OF FOOTING'S

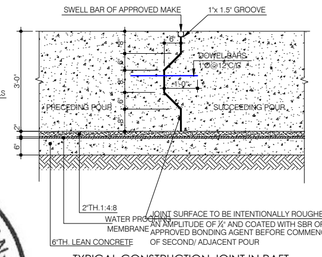
FOOTING'S NO.	COLUMN SIZES	FOOTING'S SIZES AND REINF. DETAILS A	B	C	D	E	F	G	X-AXIS	Y-AXIS
F1	□ 8"X24"	6'-0"	7'-0"	8"	10"	24"	26"	18"	1/2"Ø@6"C/C	1/2"Ø@6"C/C
F2	□ 24"X24"	6'-0"	6'-0"	24"	26"	24"	26"	18"	// //	// //
F3	□ 8"X18"	4'-0"	5'-0"	8"	10"	18"	20"	15"	// //	// //
F4	□ 12"X12"	4'-0"	4'-0"	12"	14"	12"	14"	12"	// //	// //
C.F.1	□ 8"X18"	10'-10"	12'-4"	8"	10"	18"	20"	18"	5/8"Ø@6"C/C TOP	5/8"Ø@6"C/C TOP
	□ 8"X12"	SEE PLAN		8"	8"	12"	12"		5/8"Ø@6"C/C BOT.	5/8"Ø@6"C/C BOT.
C.F.2	□ 8"X18"	8'-6"	12'-4"	8"	10"	18"	20"	18"	5/8"Ø@6"C/C TOP	5/8"Ø@6"C/C TOP
		SEE PLAN							5/8"Ø@6"C/C BOT.	5/8"Ø@6"C/C BOT.



SECTION 2-2

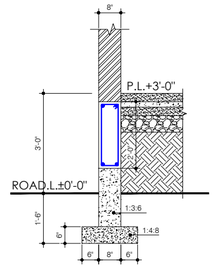


6"-TH. TOILET BLOCK SLAB REINF. (DETAIL A) AT LEV.-7'-6"

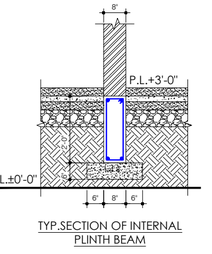


TYPICAL CONSTRUCTION JOINT IN RAFT

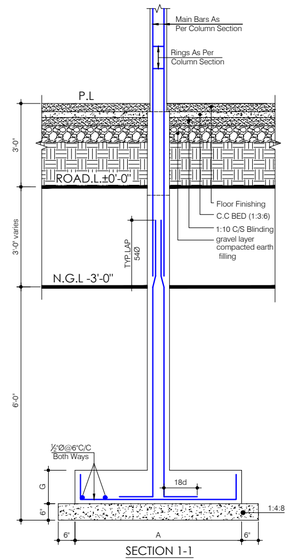
TENDER DRAWING



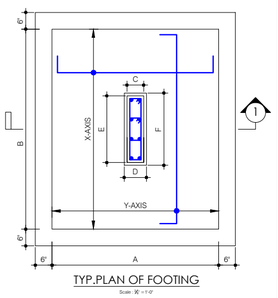
TYP.SECTION OF EXTERNAL PLINTH BEAM



TYP.SECTION OF INTERNAL PLINTH BEAM



SECTION 1-1



TYP.PLAN OF FOOTING

STATE BANK OF PAKISTAN ★ ENGINEERING DEPARTMENT ★ KARACHI

Client: STATE BANK OF PAKISTAN

Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**

Consultant: PROJECT MANAGEMENT DIVISION — ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI , P. O. BOX NO. 7608

TITLE: FOUNDATION PLAN AND RAFT REINF. DETAILS

DATE: 24-11-18

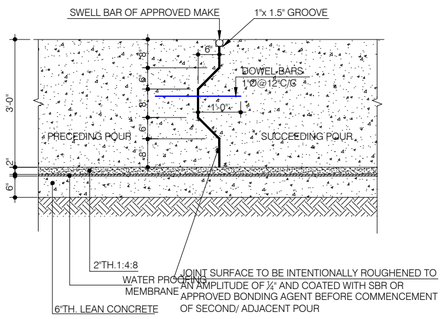
LOCATION :- E: \ STATE BANK P.C M.FARHAN

JOB REF. 886

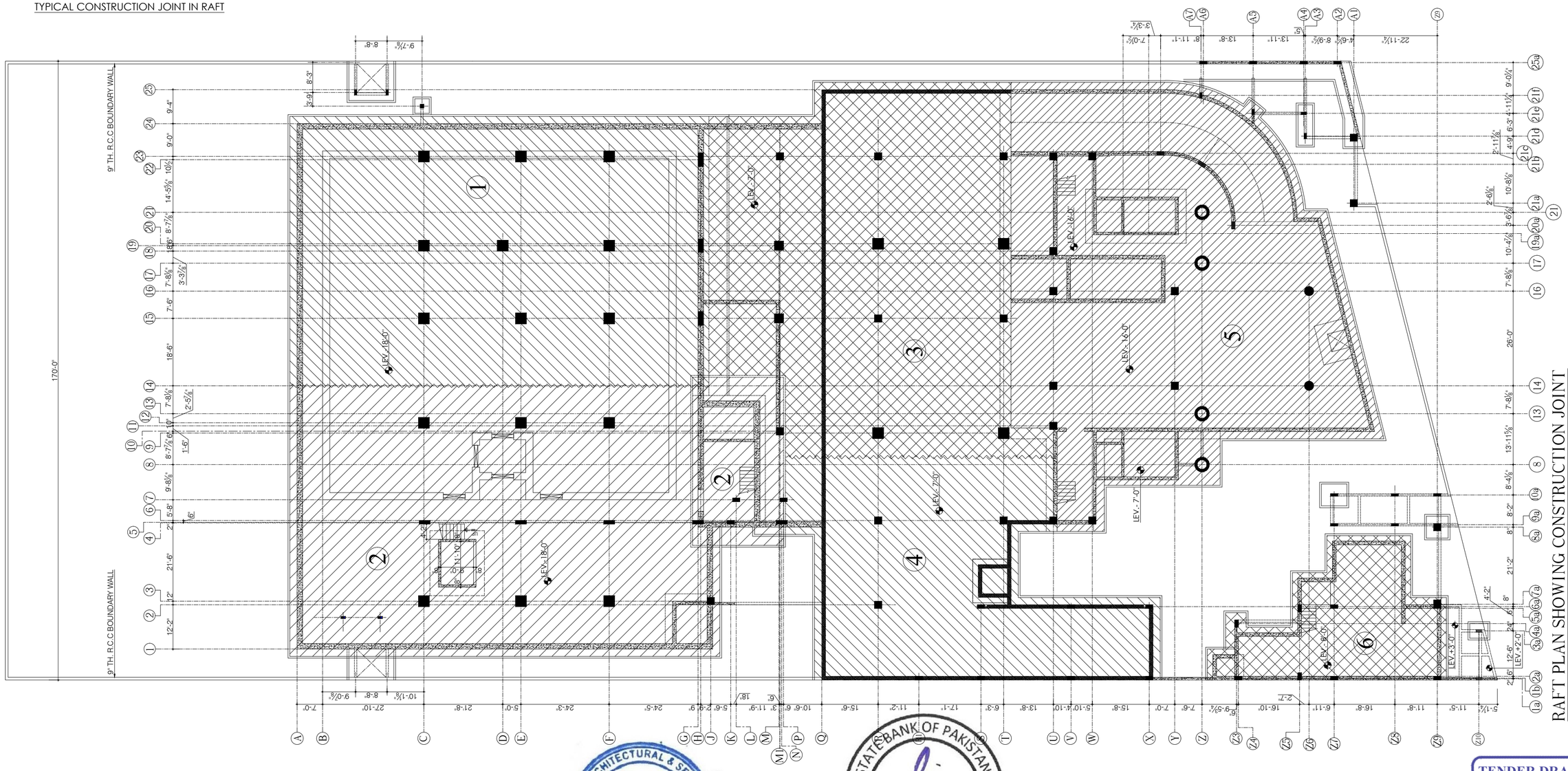
MARK	REVISION	SIGN	DATE

DRAWN: M.AKHTAR

SHEET REF. STR. **S=02**

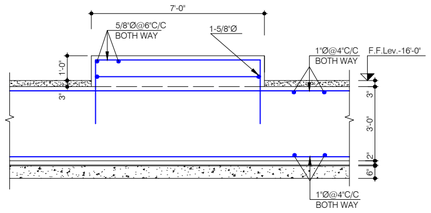


TYPICAL CONSTRUCTION JOINT IN RAFT



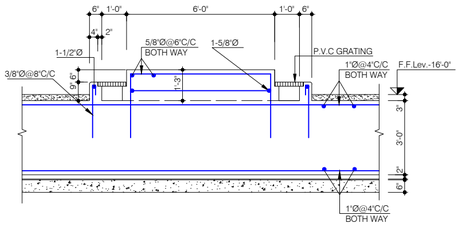
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT ESS -I- AAR VISION PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI, P. O. BOX NO. 7608	TITLE: RAFT PLAN SHOWING CONSTRUCTION JOINT	DATE: 24-11-18	LOCATION :- E: \ STATE BANK P.C M.FARHAN
			MARK / REVISION / SIGN / DATE	DRAWN: M.AKHTAR	JOB REF. 886
				SHEET REF. STR.	**S=02A**



TYPICAL SECTION OF PAD WITHOUT DRAIN

Scale:- 3/8"=1'-0"



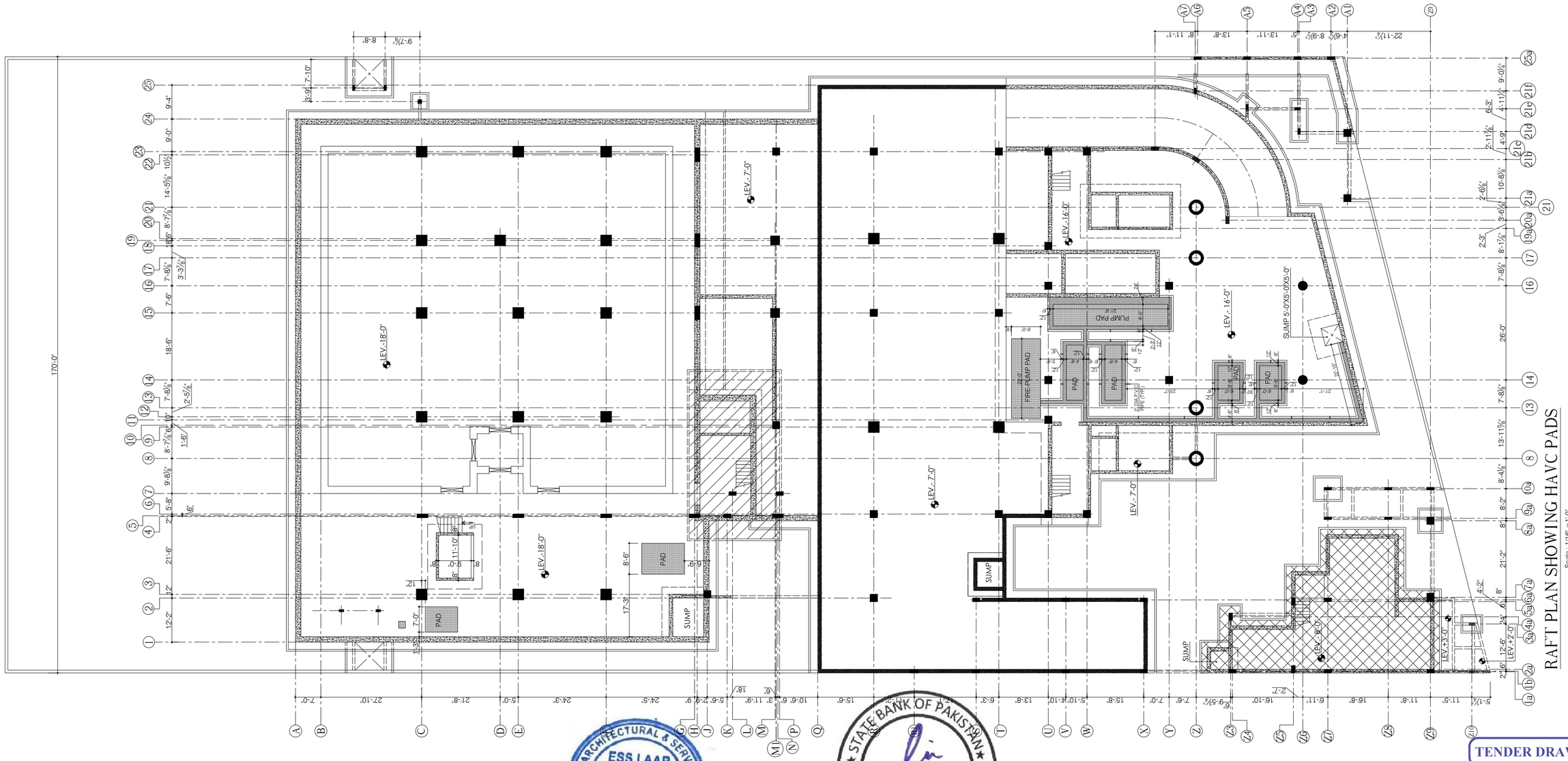
TYPICAL SECTION OF PAD WITH DRAIN

Scale:- 3/8"=1'-0"

NOTES:-

1---- FOR GENERAL NOTES REFER DWG. NO.S = 01

2---- THIS DRAWING SHOULD BE READ IN CONJECTION WITH REVELANT ARCHITECTURAL , ELECTRICAL , HVAC, PLUMBING AND]CT DRAWING

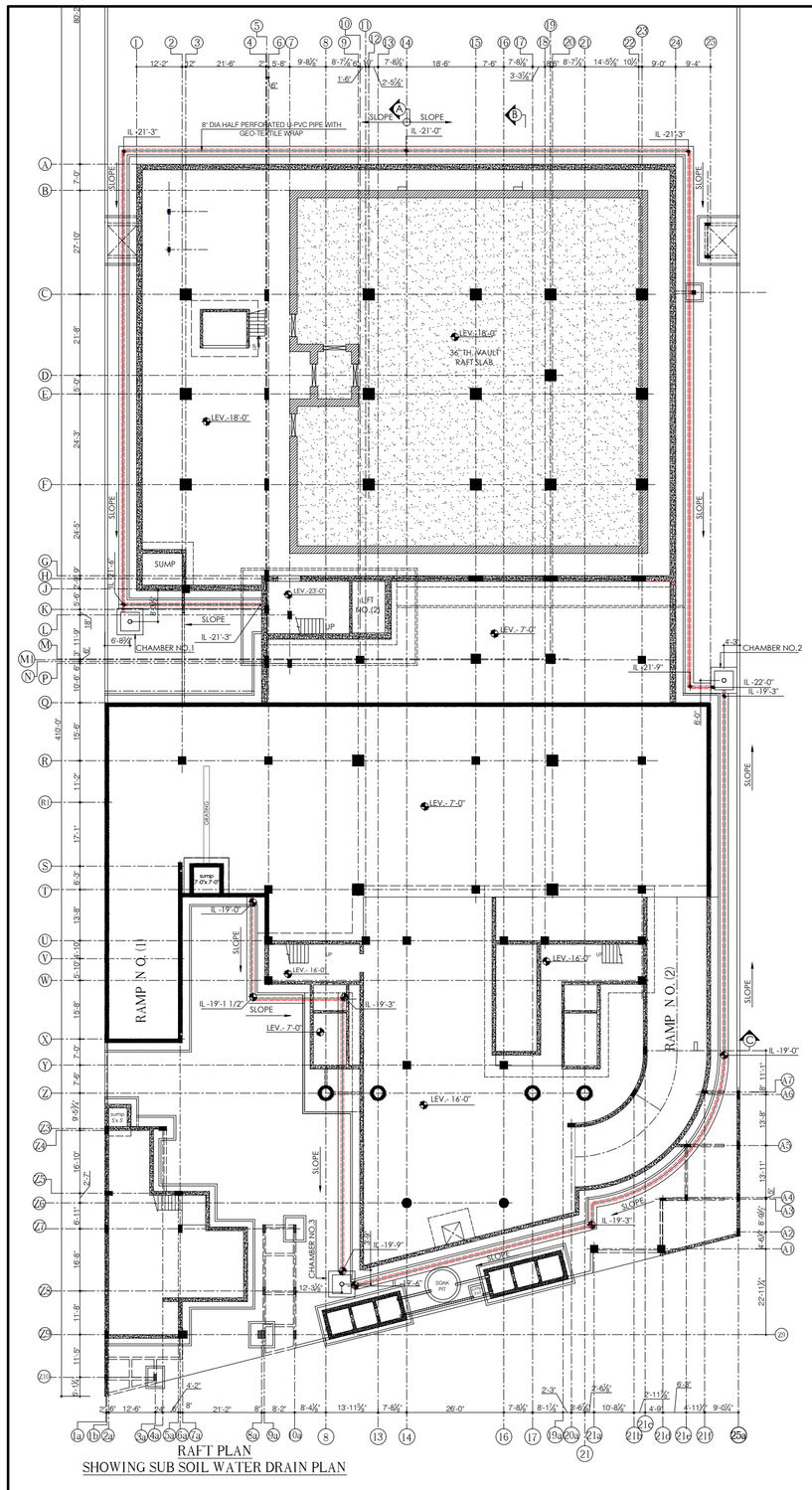


RAFT PLAN SHOWING HAVC PADS

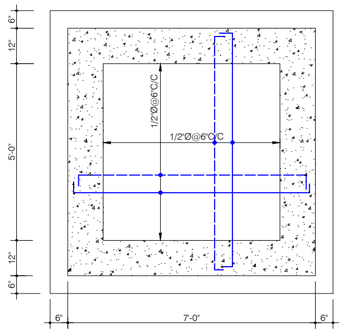
Scale: 1/16" =1-0"

TENDER DRAWING

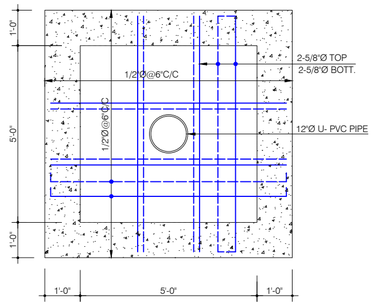
Client	Job	Consultant	TITLE: RAFT PLAN SHOWING HVAC PADS
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT UNIT ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	DATE: 24-11-18 LOCATION :- E: \ STATE BANK P.C M.FARHAN JOB REF. 886 REV.0 MARK / REVISION / SIGN / DATE DRAWN: M.AKHTAR SHEET REF. STR. **S=02B**



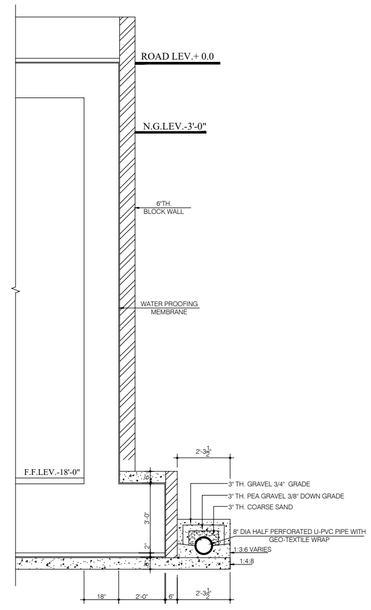
RAFT PLAN
SHOWING SUB SOIL WATER DRAIN PLAN



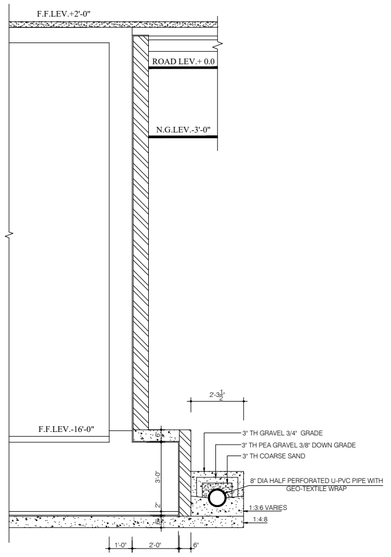
12' TH. BOTTOM SLAB
SUB SOIL WATER CHAMBER



8' TH. PRECAST TOP SLAB
SUB SOIL WATER CHAMBER



SECTION B-B



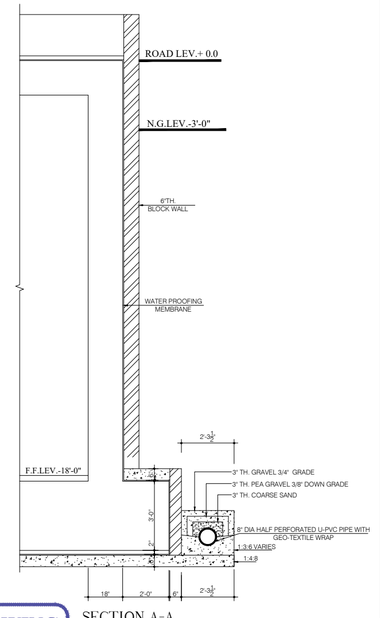
SECTION C-C

SECTION CHAMBER NO.3

SECTION CHAMBER NO.2

SECTION CHAMBER NO.1

TENDER DRAWING



SECTION A-A

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

PROJECT MANAGEMENT WISTAN — ESS -I- AAR

PLANNING ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

TITLE: PLAN SHOWING SUB SOIL WATER DRAIN

DATE: 24-11-18

LOCATION :- E:\ STATE BANK P.C M.FARHAN

JOB REF. 886

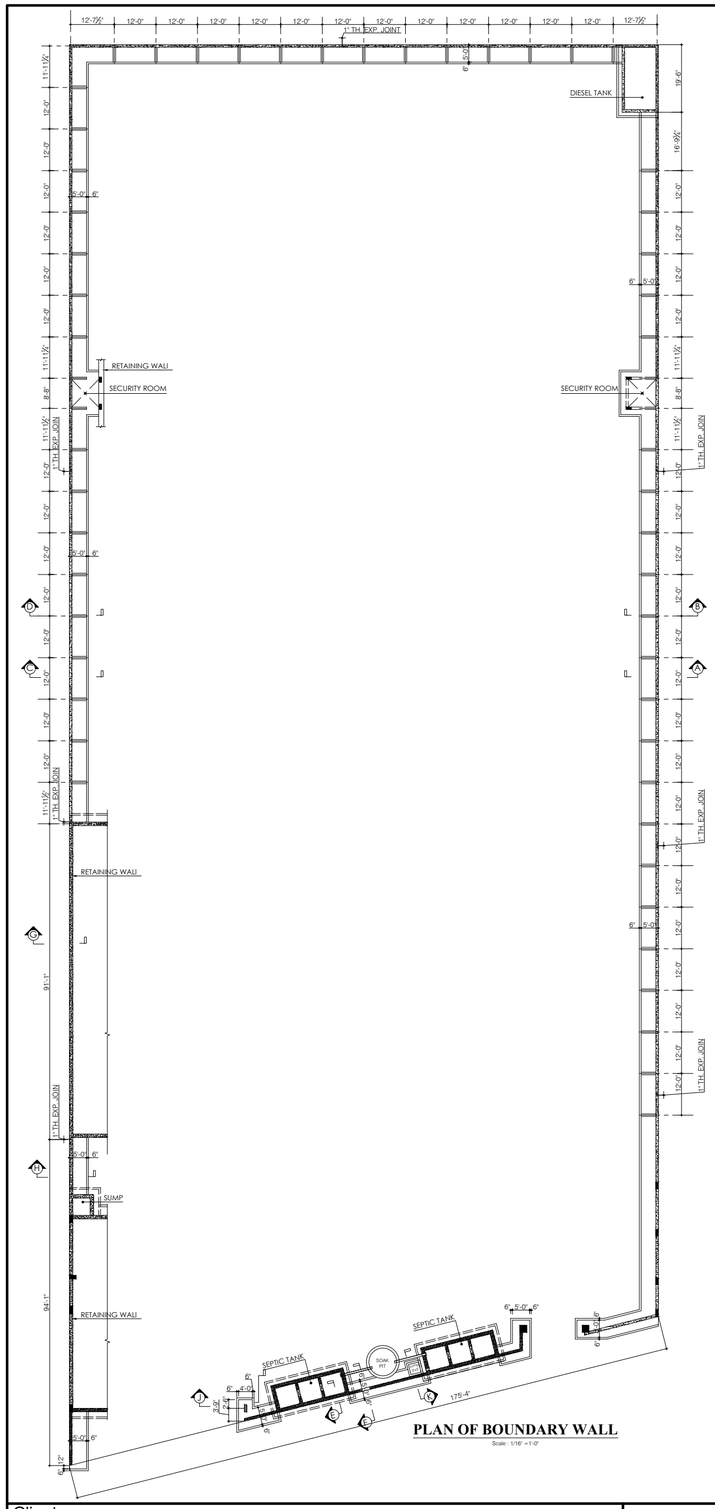
MARK	REVISION	SIGN	DATE

REV-0

DRAWN: M.AKHTAR

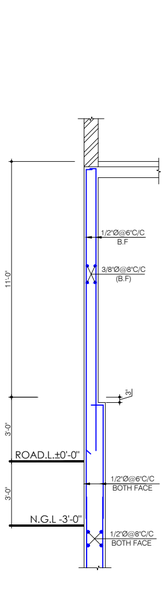
SHEET REF. STR.

S=02C

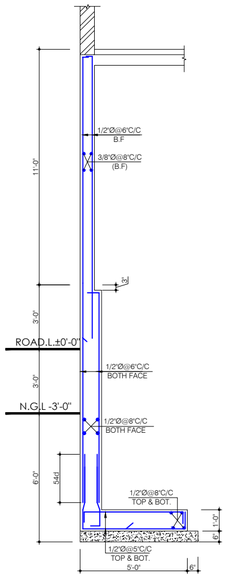


PLAN OF BOUNDARY WALL

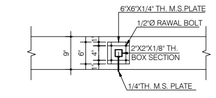
Scale : 1/16" =1'-0"



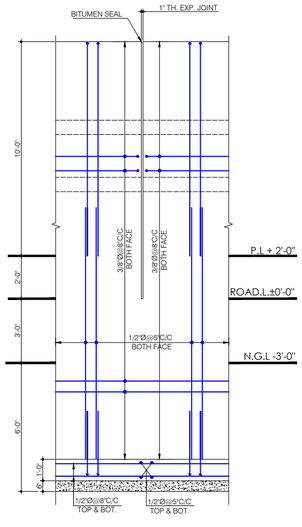
SECTION G-G



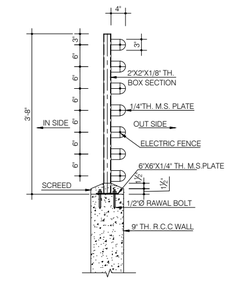
SECTION H-H



DETAIL NO.1 (PLAN)



ELEVATION OF EXP. JOINT



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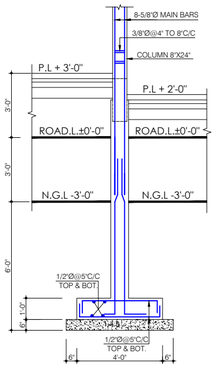
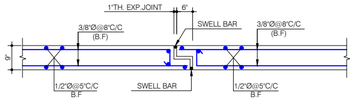
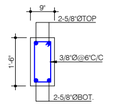


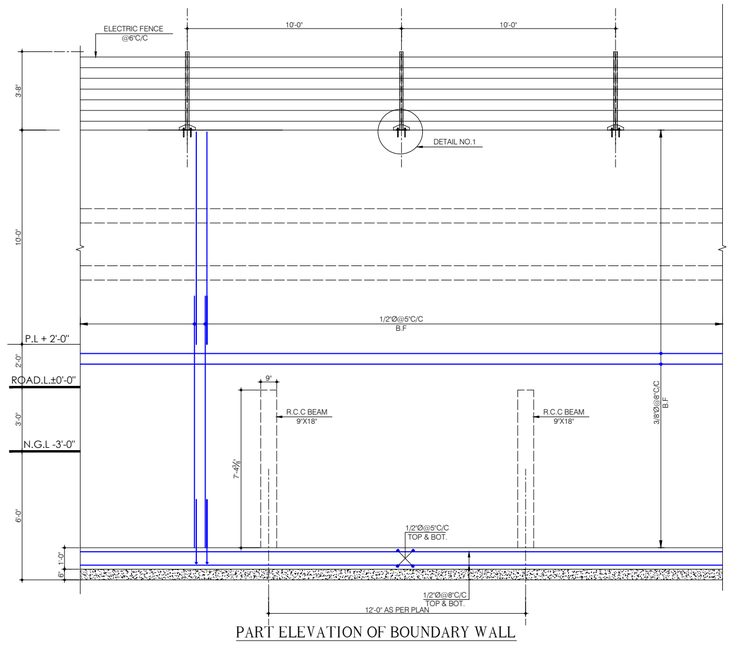
SECTION J-J



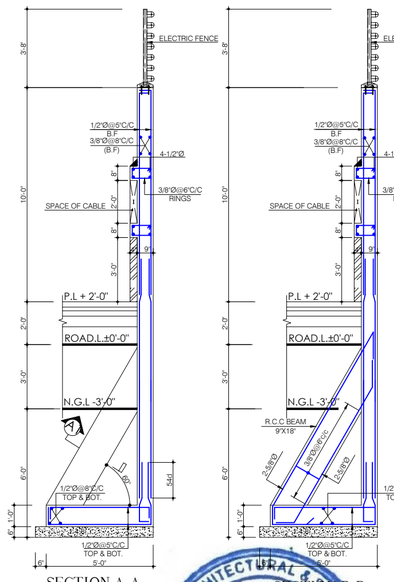
PLAN OF EXP. JOINT



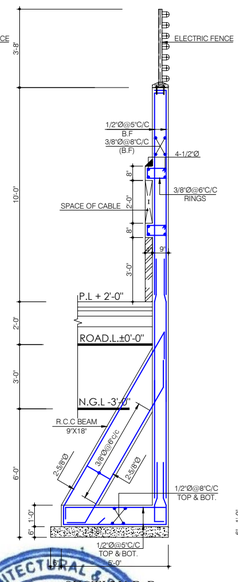
SECTION A1-A1



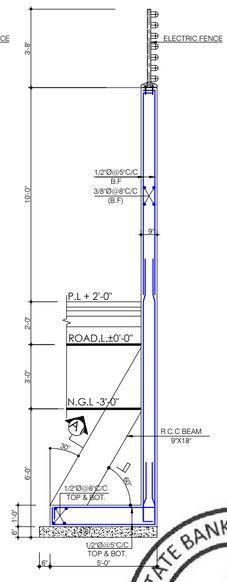
PART ELEVATION OF BOUNDARY WALL



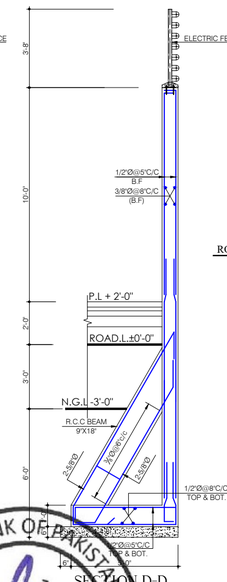
SECTION A-A



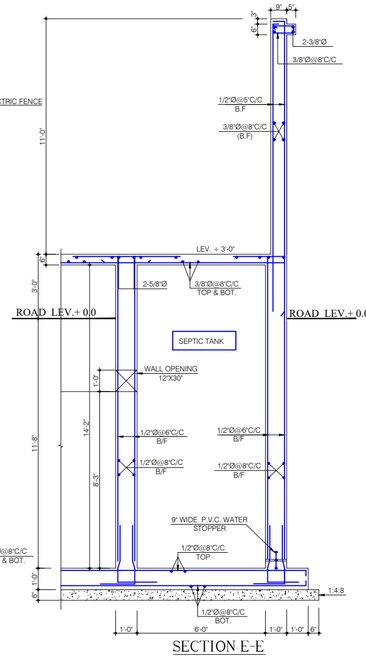
SECTION B-B



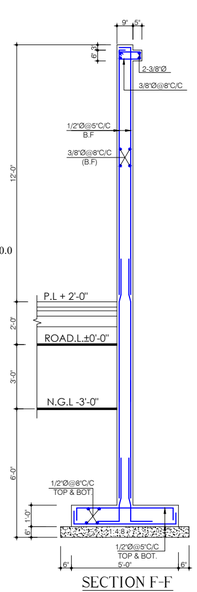
SECTION C-C



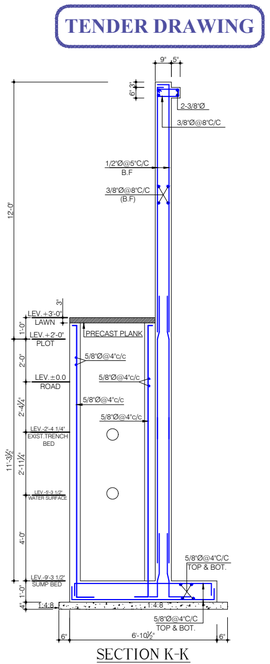
SECTION D-D



SECTION E-E
FRONT WALL



SECTION F-F
FRONT WALL

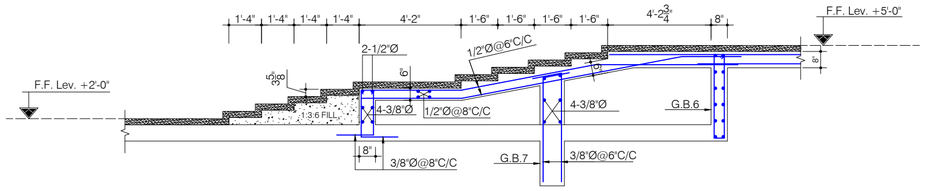


SECTION K-K

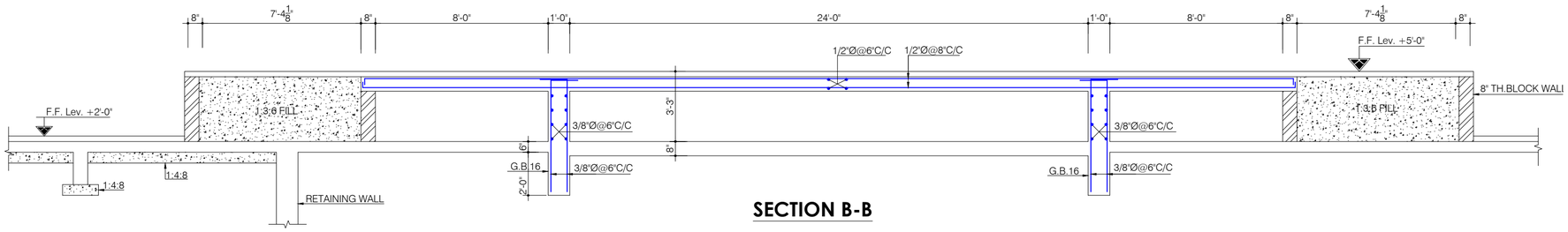
TENDER DRAWING

ENGG. ARCHITECTURAL & SERVICES CONSULTANT
ESS,I,AAR
314, Mashriq Centre
3.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION ENGINEERING DEPARTMENT

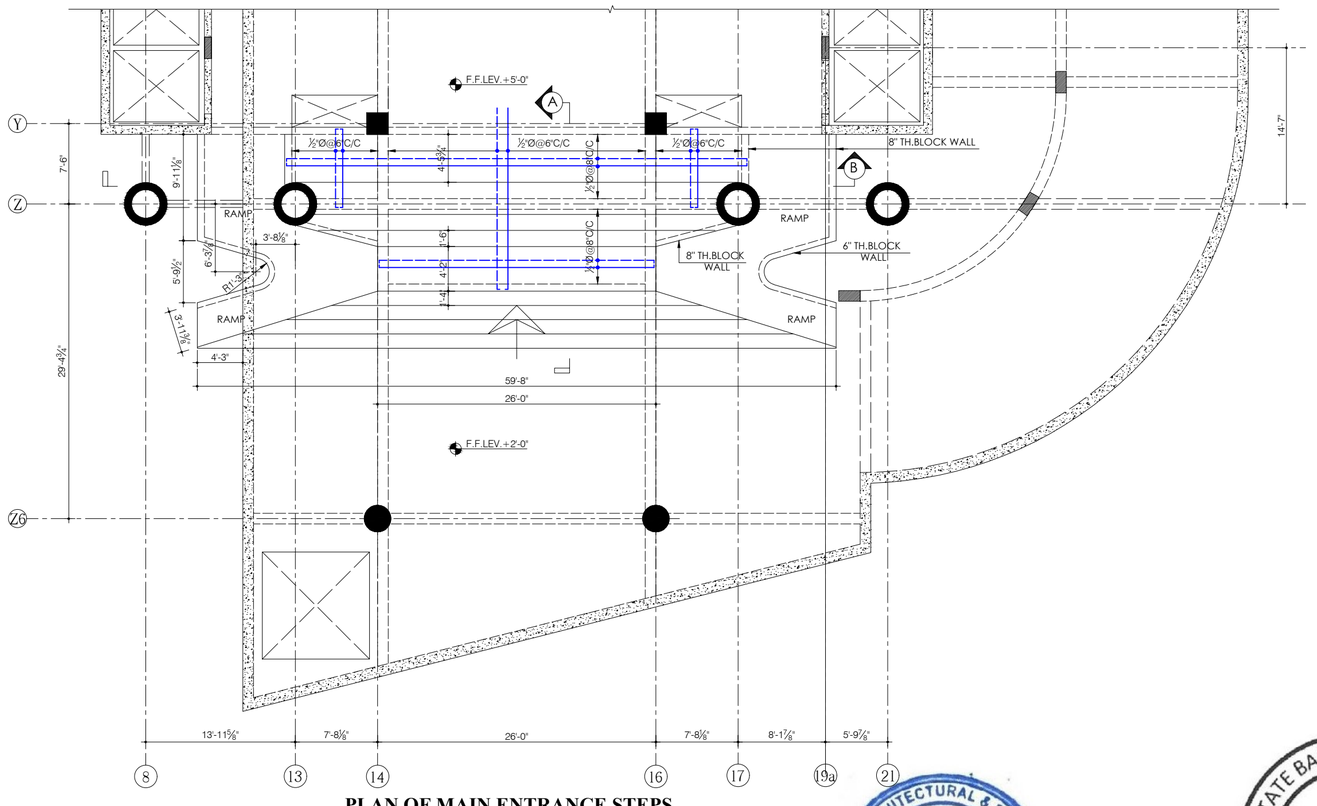
Client	Job	Consultant	TITLE: BOUNDARY WALL PLAN AND SECTIONS
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI, P. O. BOX NO. 7608	DATE: 24-11-18 LOCATION :- E:\ STATE BANK P.C M.FARHAN JOB REF. 886 REV-0 MARK / REVISION / SIGN / DATE DRAWN: M.AKHTAR SHEET REF. STR. **S=02D**



SECTION A-A



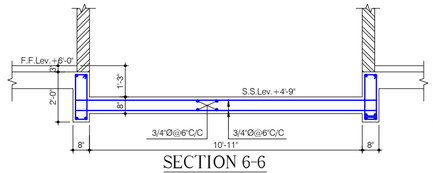
SECTION B-B



PLAN OF MAIN ENTRANCE STEPS

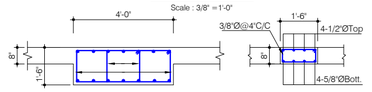
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: PLAN OF MAIN ENTRANCE STEPS	DATE: 24-11-18	LOCATION :- E: \ STATE BANK P.C M.FARHAN
			MARK / REVISION / SIGN / DATE	DRAWN: M.AKHTAR	SHEET REF. STR. S=02E



SECTION 6-6

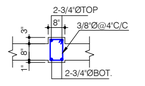
Scale : 3/8" =1'-0"



SECTION 2-2

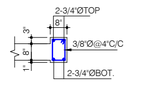
SECTION OF (C.B.1)

SECTION OF (C.B.2)



SECTION OF BEAM NO. (B1)

Scale : 3/8" =1'-0"



SECTION OF BEAM NO. (B2)

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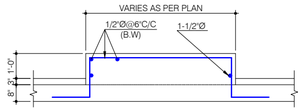
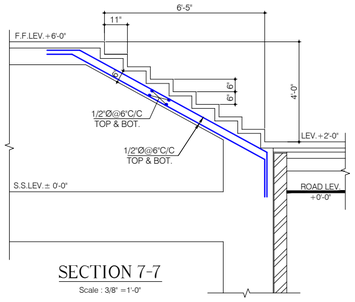
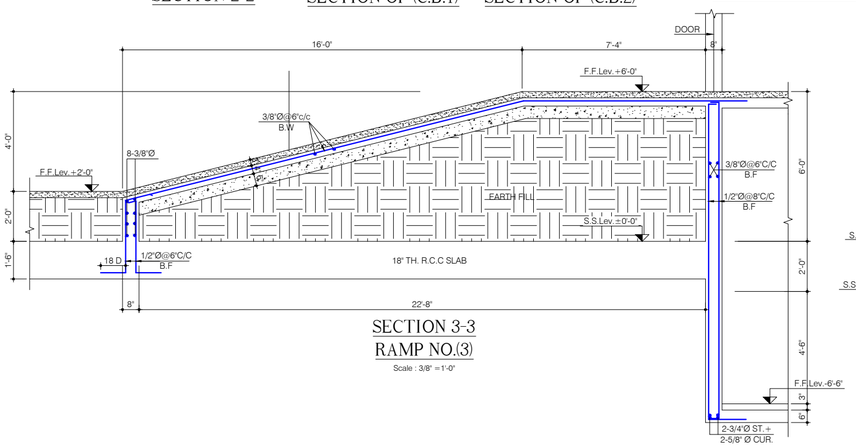


TYP. SECTION OF PAD



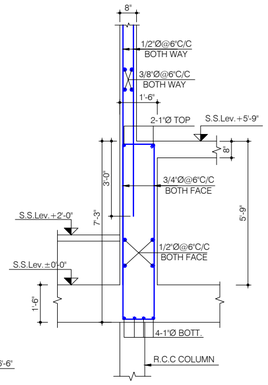
SECTION 7-7

Scale : 3/8" =1'-0"



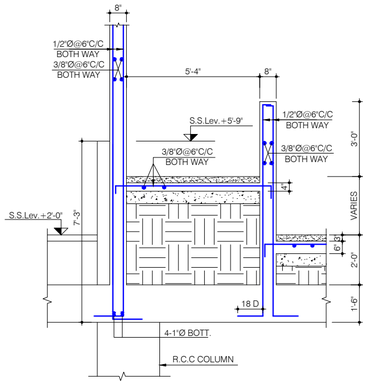
SECTION 3-3
RAMP NO.(3)

Scale : 3/8" =1'-0"



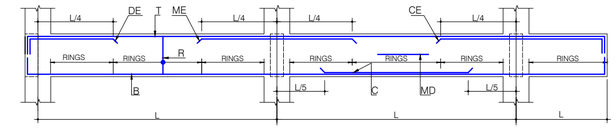
SECTION 1-1

Scale : 3/8" =1'-0"



SECTION 4-4

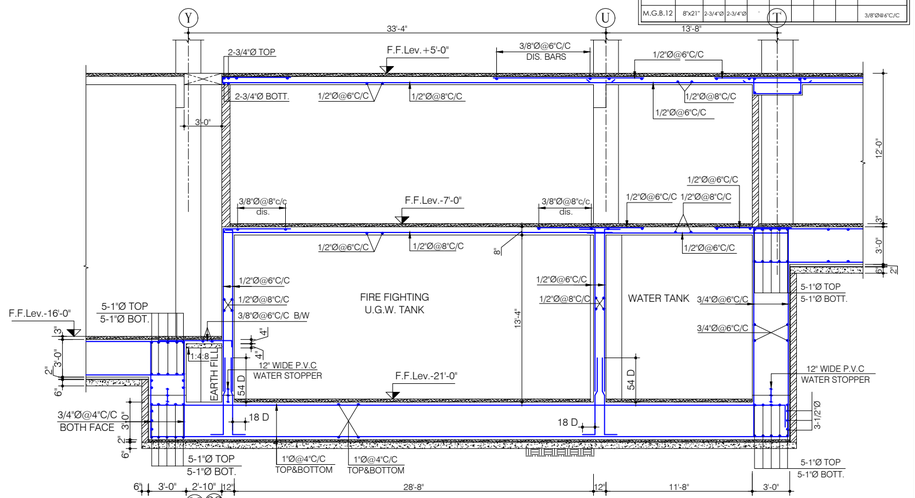
Scale : 3/8" =1'-0"



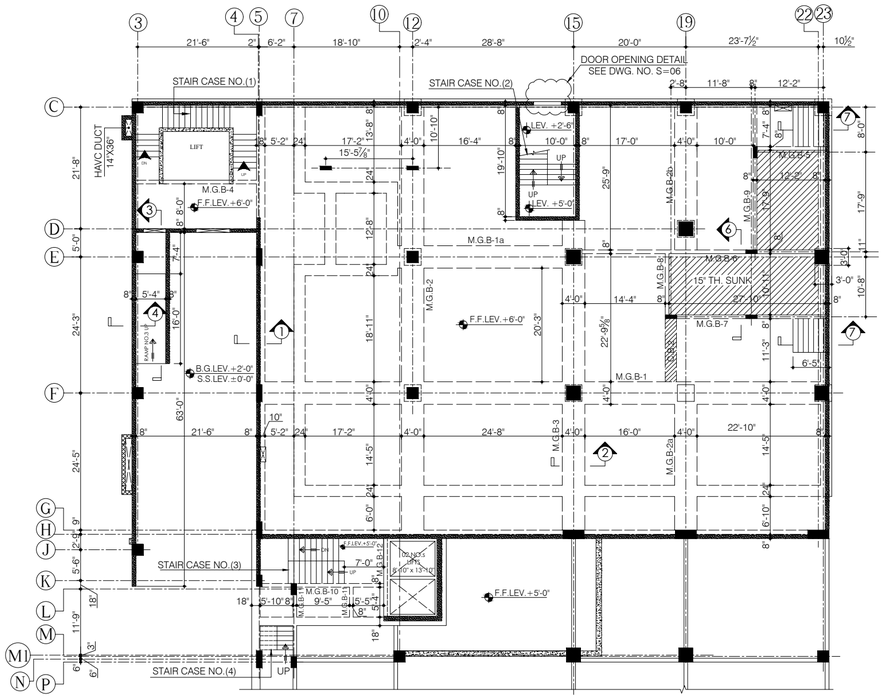
TYPICAL BASEMENT TOP SLAB BEAM ELEVATION

SCHEDULE OF BASEMENT TOP SLAB BEAM'S LEV.+6'-0"

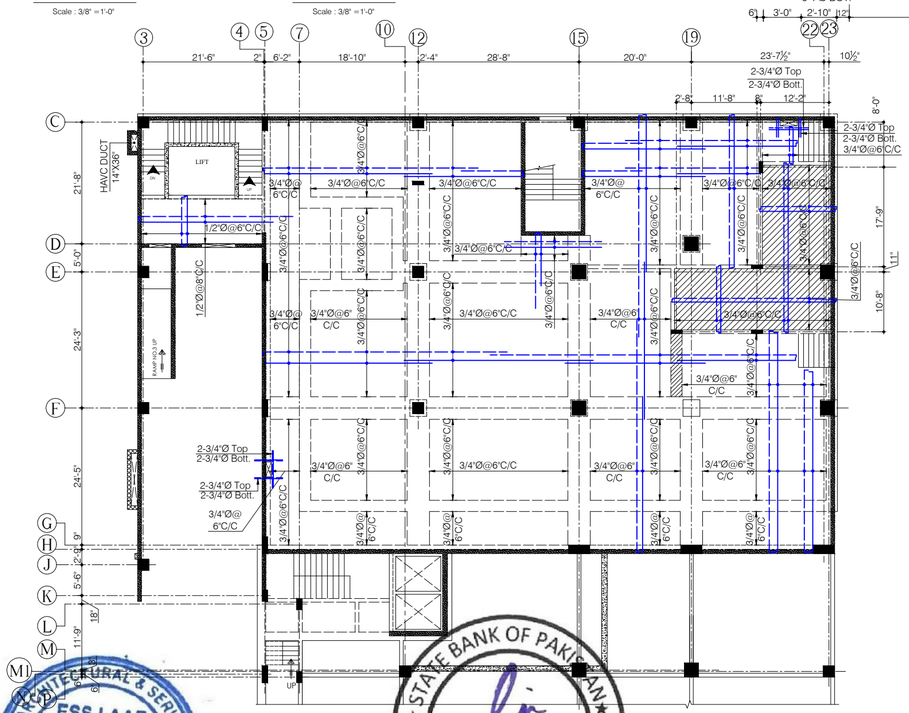
BEAM NO.	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
M.G.B.1	48"x18"	7-1/2"Ø	7-3/4"Ø	4-3/4"Ø (MID 11'0")	2-1"Ø		3-1"Ø (MID 6'-11" MIDDLE)	-	3/8"Ø@4"C/C,10"C/C
M.G.B.1a	48"x18"								
M.G.B.2	48"x18"	7-1/2"Ø	7-3/4"Ø	-	3-5/8"Ø	-	3-1"Ø (MID 6'-11" MIDDLE)	-	3/8"Ø@4"C/C,10"C/C
M.G.B.2a	48"x18"	7-5/8"Ø	7-3/4"Ø	3-1"Ø 2-1"Ø END	3-1"Ø		4-1"Ø (MID 6'-11" MIDDLE)	-	3/8"Ø@4"C/C,10"C/C
M.G.B.2b	48"x18"								
M.G.B.3	48"x18"	7-1/2"Ø	7-3/4"Ø	-	3-5/8"Ø		3-1"Ø (MID 6'-11" MIDDLE)		3/8"Ø@4"C/C,10"C/C
M.G.B.4	8'x24"	2-5/8"Ø	2-5/8"Ø	-	-		-		3/8"Ø@6"C/C,10"C/C
M.G.B.5	8'x24"								3/8"Ø@6"C/C,10"C/C
M.G.B.6	8'x24"								3/8"Ø@6"C/C,10"C/C
M.G.B.7	8'x24"								3/8"Ø@6"C/C,10"C/C
M.G.B.8	8'x24"								3/8"Ø@6"C/C,10"C/C
M.G.B.9	8'x24"								3/8"Ø@6"C/C,10"C/C
LEV.+5'-0"									
M.G.B.10	8'x24"	2-1/2"Ø	2-5/8"Ø	2-5/8"Ø	-		-		3/8"Ø@6"C/C,10"C/C
M.G.B.11	8'x24"	2-1/2"Ø	2-5/8"Ø	-	-		-		3/8"Ø@6"C/C
M.G.B.12	8'x21"	2-3/4"Ø	2-3/4"Ø	-	-		-		3/8"Ø@4"C/C



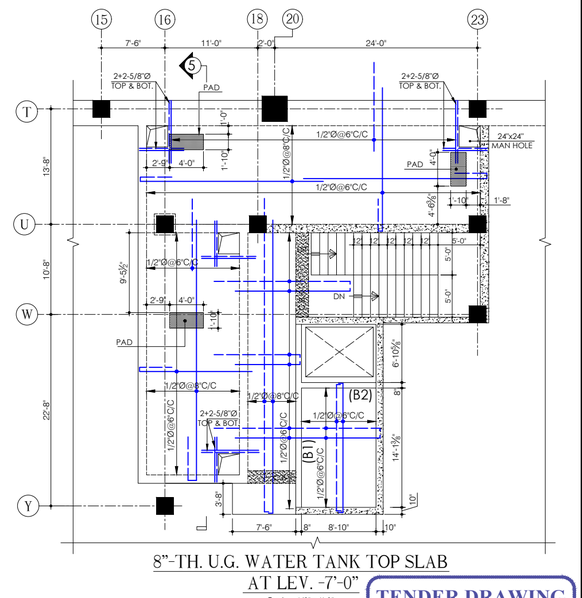
SECTION 5-5



BASEMENT TOP SLAB FRAMING PLAN AT F.F.LEV.+6'-0"



8"-th.BASEMENT TOP SLAB PLAN AT F.F.LEV.+6'-0"

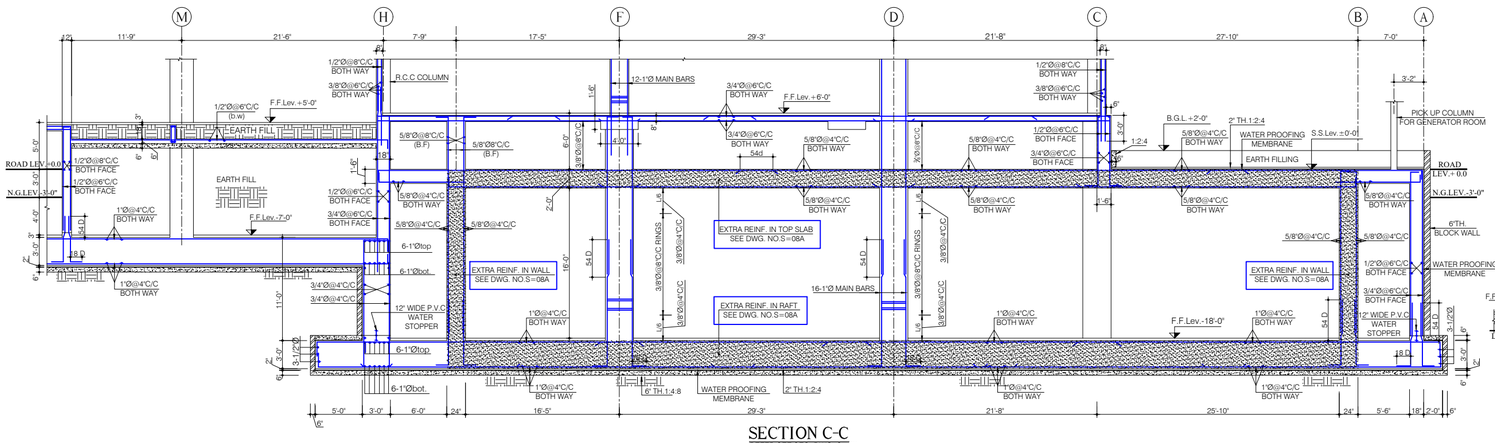


8"-TH. U.G. WATER TANK TOP SLAB
AT LEV. -7'-0"

Scale:- 1/8"=1'-0"

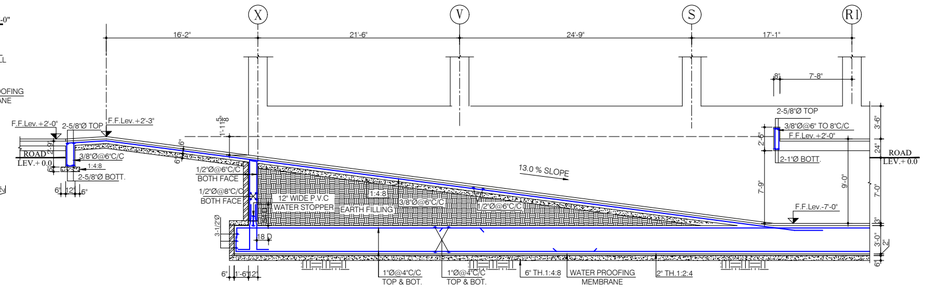
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT VISION ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: 8"-TH. BASEMENT TOP SLAB AND BEAM FRAMING PLAN AT LEV.+6'-0" & U.G.TANK DETAILS
			DATE: 24-11-18
			LOCATION :- E: \ STATE BANK P.C M.FARHAN
			JOB REF. 886
			MARK / REVISION / SIGN / DATE
			DRAWN: M.AKHTAR
			SHEET REF. STR.
			S=03



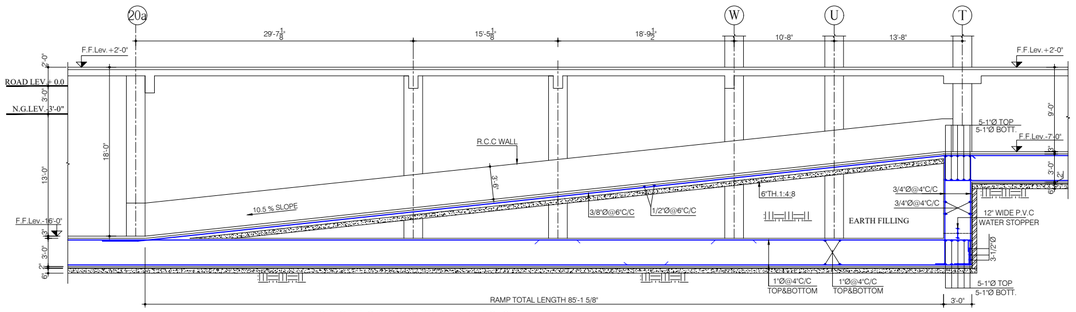
SECTION C-C

REFER SEE SEC. DWG. S=02



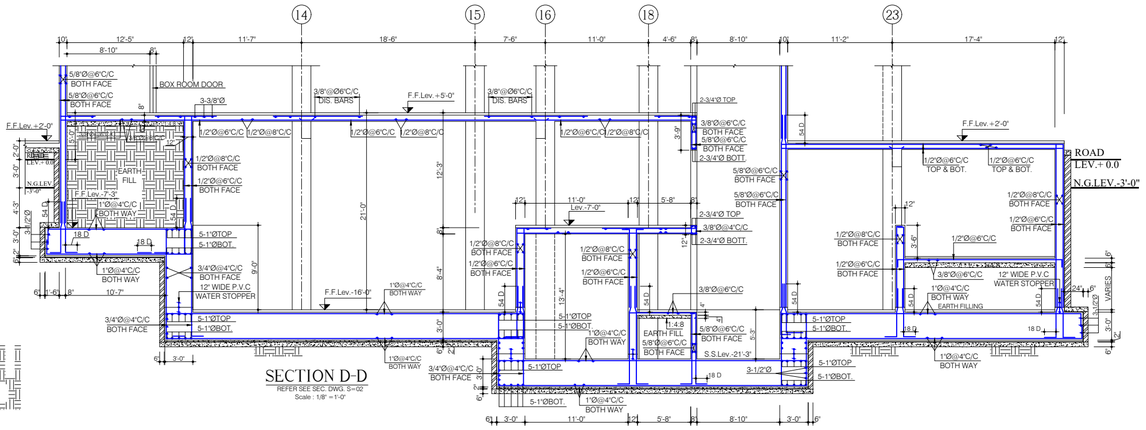
SECTION F-F (RAMP NO.1)

REFER SEE SEC. DWG. S=02



SECTION B-B (RAMP.NO.2)

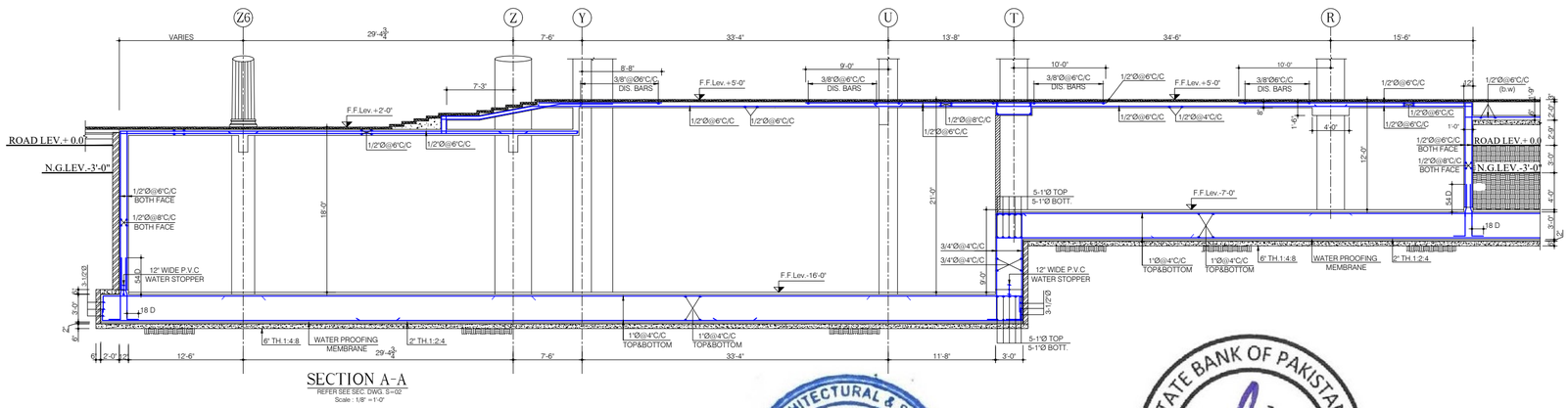
REFER SEE SEC. DWG. S=02



SECTION D-D

REFER SEE SEC. DWG. S=02

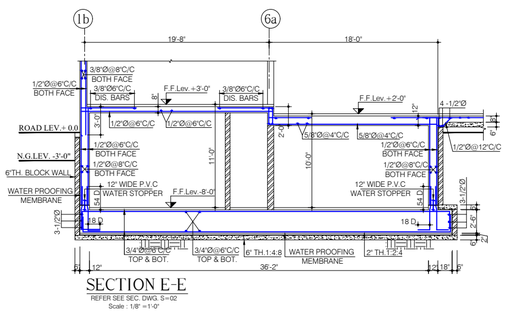
Scale : 1/8" =1'-0"



SECTION A-A

REFER SEE SEC. DWG. S=02

Scale : 1/8" =1'-0"



SECTION E-E

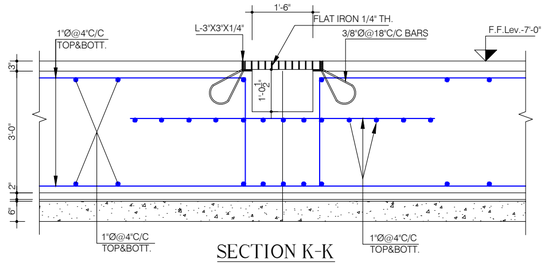
REFER SEE SEC. DWG. S=02

Scale : 1/8" =1'-0"

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI, P. O. BOX NO. 7608	TITLE: RAFT SECTIONS (SHEET NO.1)
			DATE: 24-11-18
			LOCATION :- E:\STATE BANK P.C M.FARHAN
			JOB REF. 886
			DRAWN: M.AKHTAR
			SHEET REF. STR. **S=04**

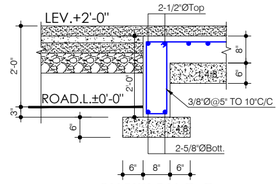
MARK | REVISION | SIGN | DATE



SECTION K-K

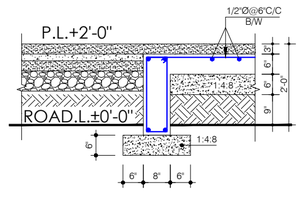
REFER SEE SEC. DWG. S=02

Scale : 1/2" =1'-0"



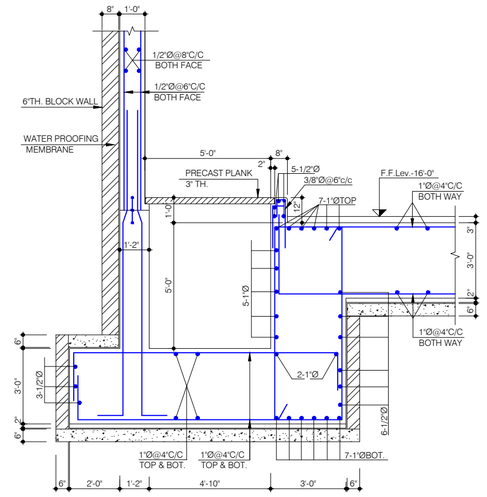
SECTION R-R

REFER SEE SEC. DWG. S=02



SECTION S-S

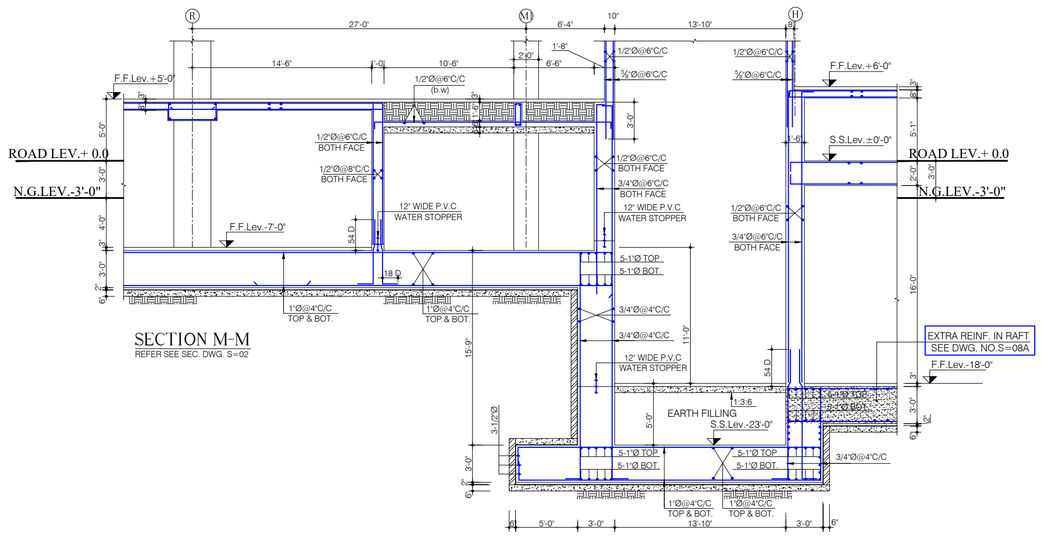
REFER SEE SEC. DWG. S=02



SECTION X-X

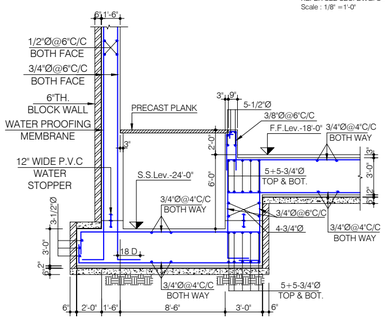
REFER SEE SEC. DWG. S=02

Scale : 1/8" =1'-0"



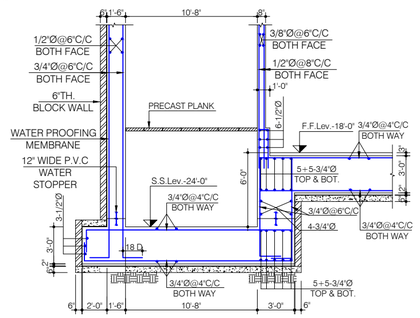
SECTION M-M

REFER SEE SEC. DWG. S=02



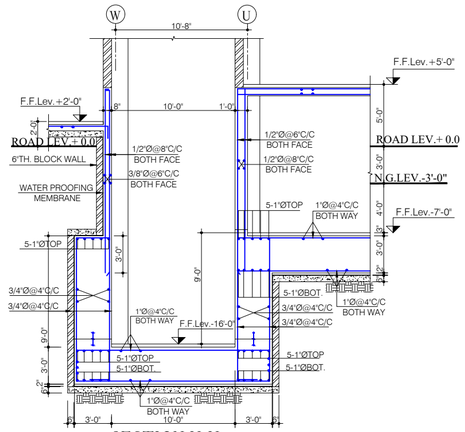
SECTION P-P

REFER SEE SEC. DWG. S=02



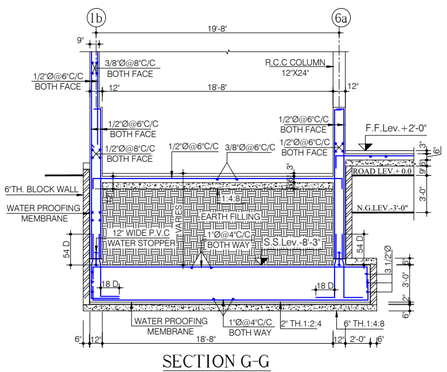
SECTION Q-Q

REFER SEE SEC. DWG. S=02



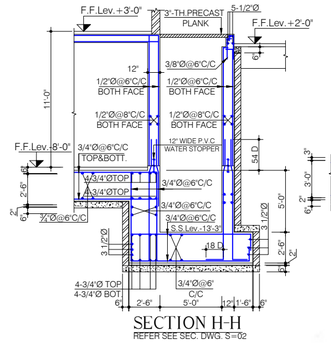
SECTION U-U

REFER SEE SEC. DWG. S=02



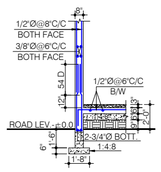
SECTION G-G

REFER SEE SEC. DWG. S=02

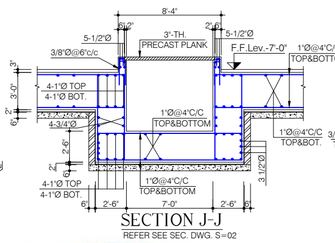


SECTION H-H

REFER SEE SEC. DWG. S=02

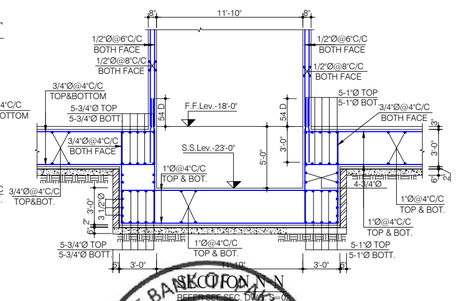


SECTION T-T



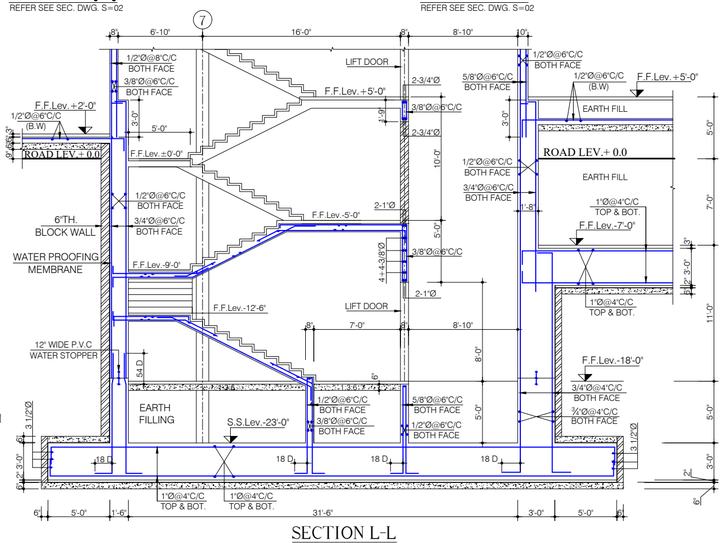
SECTION J-J

REFER SEE SEC. DWG. S=02



SECTION N-N

REFER SEE SEC. DWG. S=02



SECTION L-L

REFER SEE SEC. DWG. S=02

Scale : 1/8" =1'-0"

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

PROJECT MANAGEMENT DIVISION
ESS -I- AAR
PLANNING ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

TITLE: RAFT SECTIONS (SHEET NO.2)

DATE: 24-11-18

LOCATION :- E: \ STATE BANK P.C M.FARHAN

JOB REF. 886

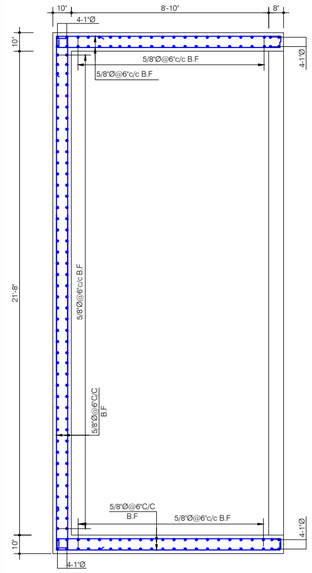
MARK	REVISION	SIGN	DATE

REV:0

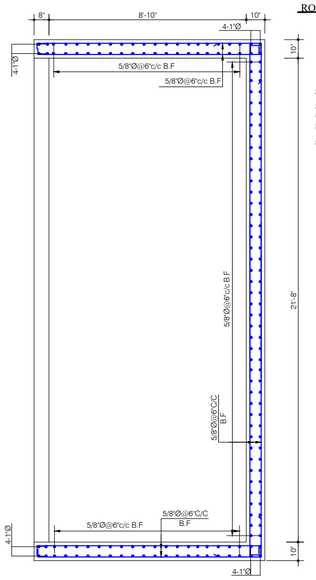
DRAWN: M.AKHTAR

SHEET REF. STR.

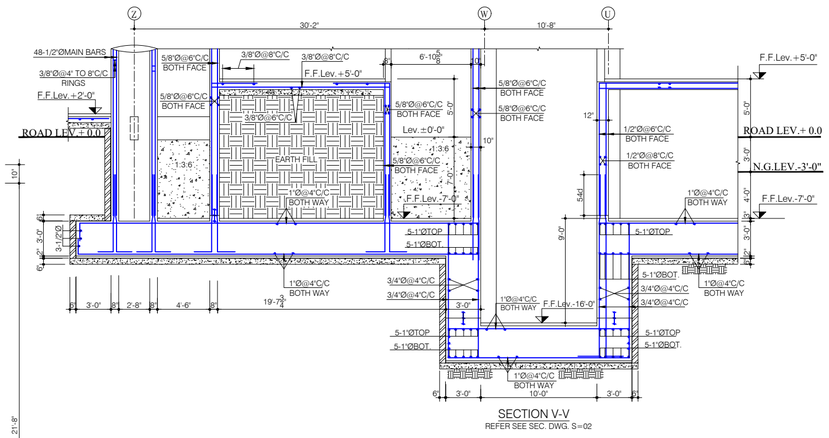
S=05



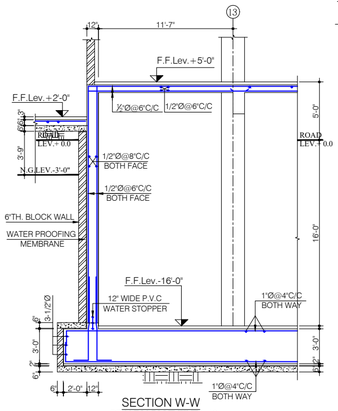
REINF. PLAN OF LIFT NO.(4)
LEV.+5'-0" TO +56'-0"



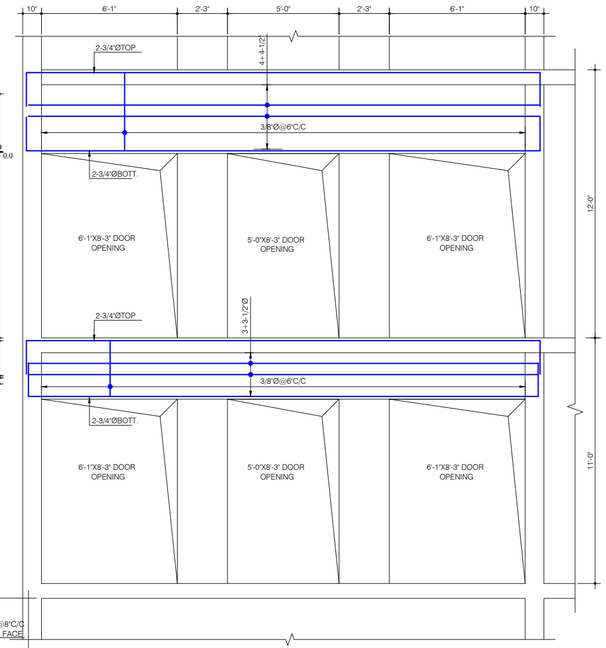
REINF. PLAN OF LIFT NO.(3)
LEV.-16'-0" TO +56'-0"



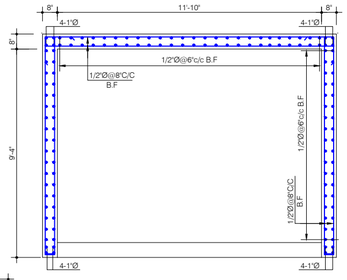
SECTION V-V
REFER SEE SEC. DWG. S=02



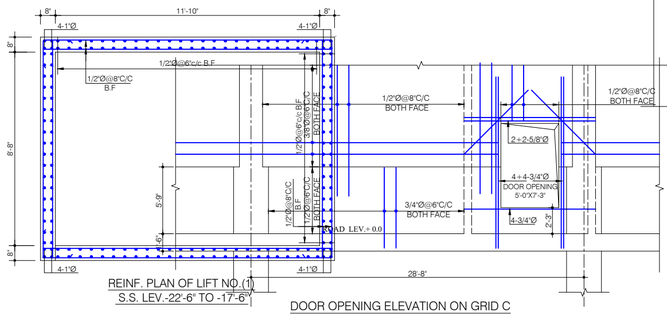
SECTION W-W
REFER SEE SEC. DWG. S=02
Scale : 1/8" =1'-0"



TYPICAL DOOR OPENING ELEVATION LIFT NO.3 & 4

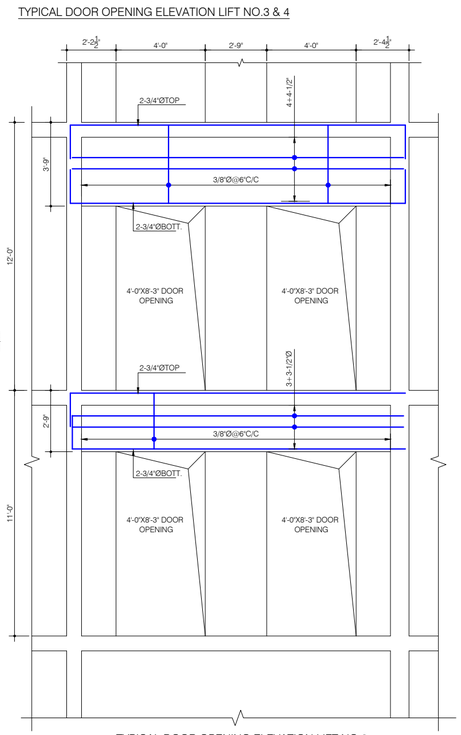


REINF. PLAN OF LIFT NO.(1)
S.S. LEV.-17'-6" TO +27'-0"

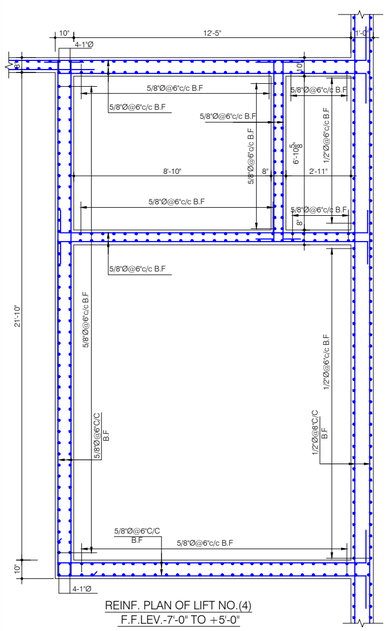


REINF. PLAN OF LIFT NO.(1)
S.S. LEV.-22'-6" TO -17'-6"

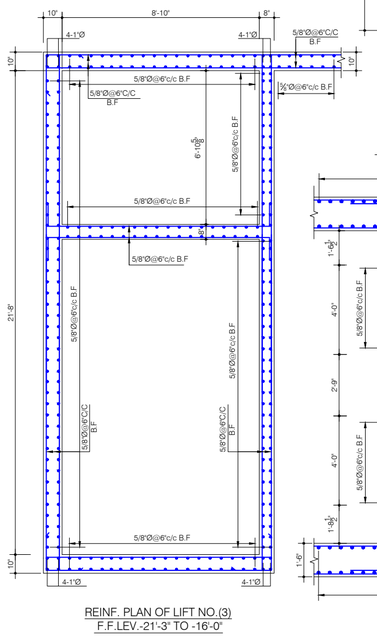
DOOR OPENING ELEVATION ON GRID C
REFER SEE ELE. DWG. S=03



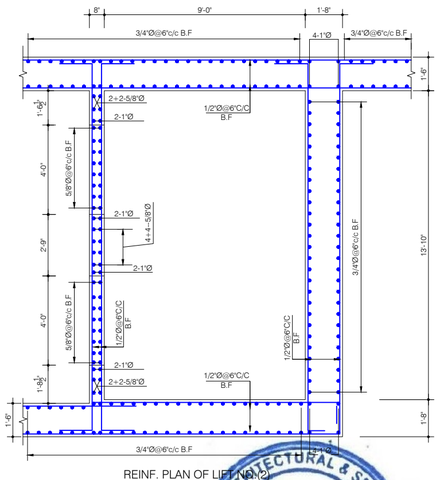
TYPICAL DOOR OPENING ELEVATION LIFT NO.2



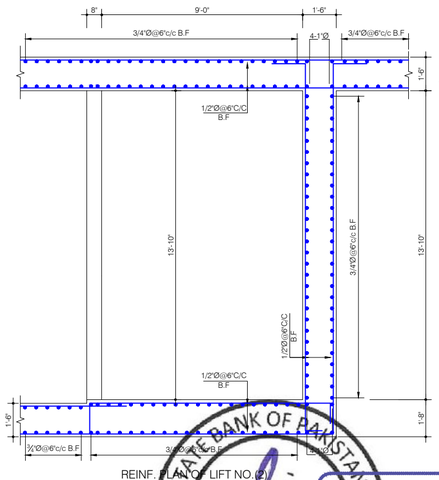
REINF. PLAN OF LIFT NO.(4)
F.F.LEV.-7'-0" TO +5'-0"



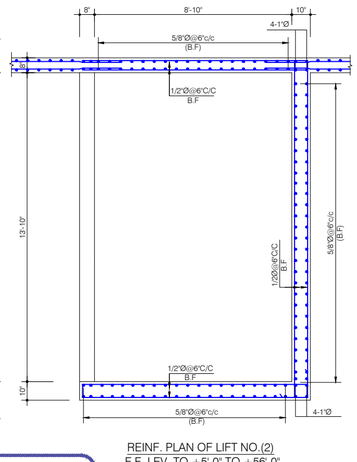
REINF. PLAN OF LIFT NO.(3)
F.F.LEV.-21'-3" TO -16'-0"



REINF. PLAN OF LIFT NO.(2)
S.S. LEV.-23'-0" TO -18'-0"



REINF. PLAN OF LIFT NO.(2)
S.S. LEV.-18'-0" TO +5'-0"



REINF. PLAN OF LIFT NO.(2)
F.F. LEV. TO +5'-0" TO +56'-0"

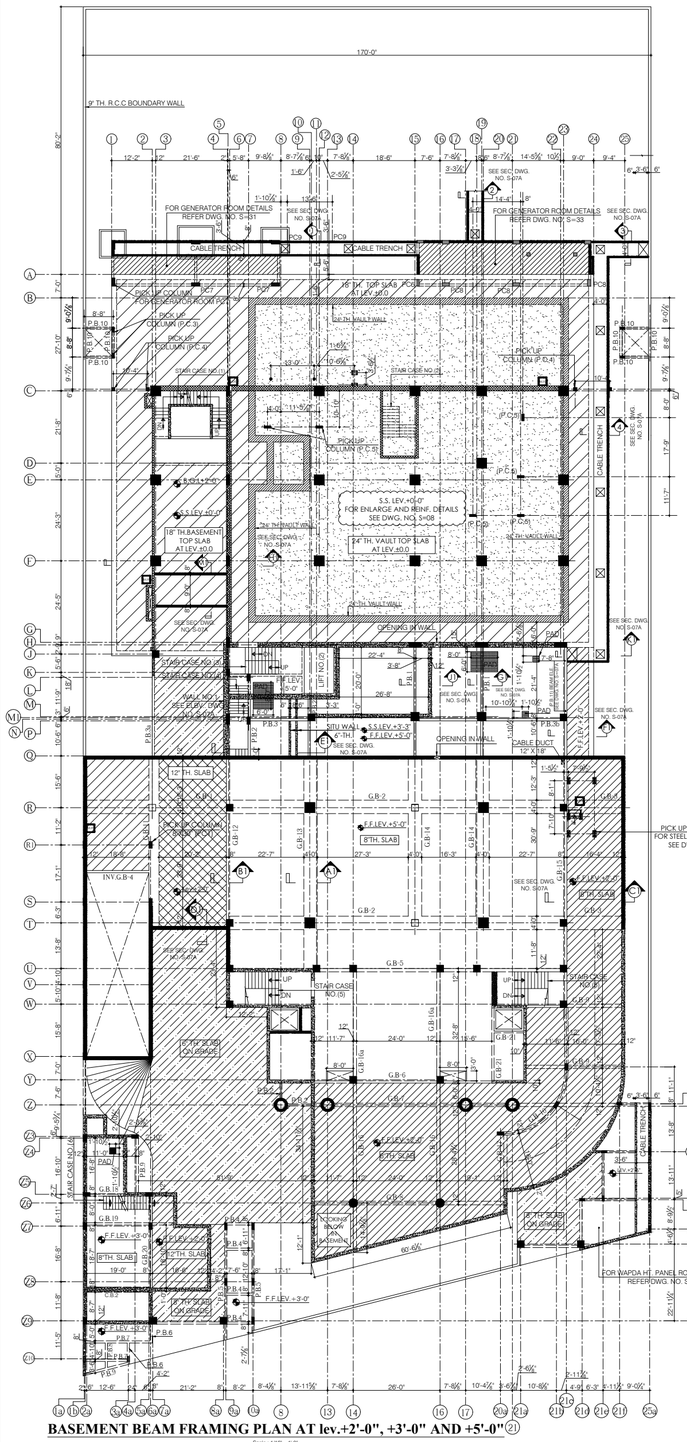
TYPICAL DOOR OPENING ELEVATION LIFT NO.2

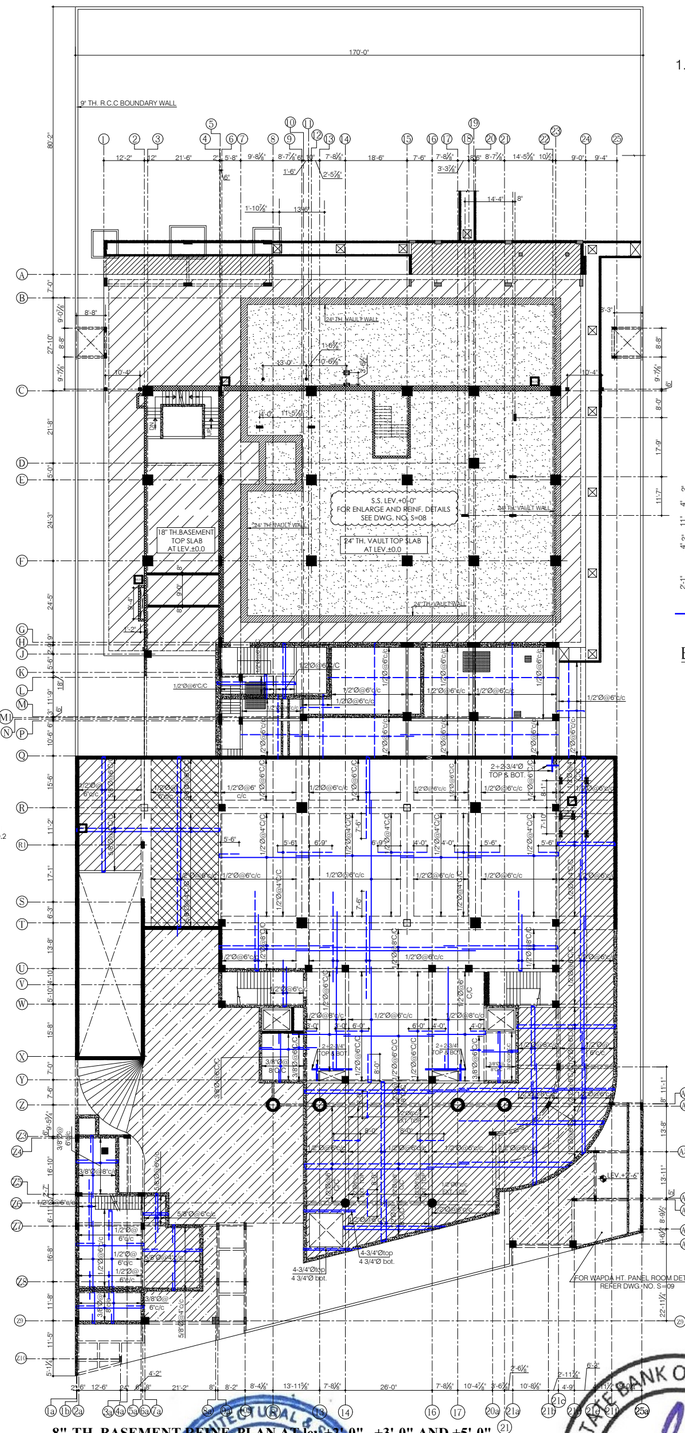
STATE BANK OF PAKISTAN ENGINEERING & ARCHITECTURAL SERVICES DEPARTMENT ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Block 14, Karachi

STATE BANK OF PAKISTAN HEAD OFFICE KARACHI PROJECT MANAGEMENT UNIT VISITED

TENDER DRAWING

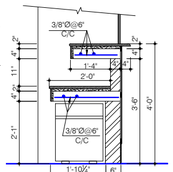
Client	STATE BANK OF PAKISTAN
Job	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**
Consultant	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608
TITLE:	RAFT SECTIONS AND LIFT REINF. PLAN
DATE:	24-11-18
LOCATION :-	E: \ STATE BANK P.C M.FARHAN
JOB REF.	886
MARK / REVISION / SIGN / DATE	
DRAWN:	M.AKHTAR
SHEET REF. STR.	**S=06**



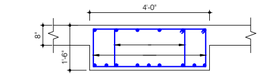


NOTE:-

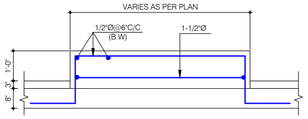
1. FOR MANHOLE, INSPECTION CHAMBERS AND GULLY TRAP DETAILS REFER DWG. NO. UT-02



TYP. SECTION OF BANKING COUNTER

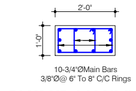


SECTION OF A1-A1

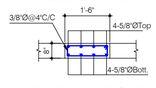


TYP. SECTION OF PAD

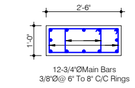
PICK UP COLUMN PC9



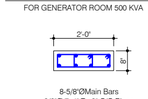
PICK UP COLUMN PC8
FOR GENERATOR ROOM 500 KVA



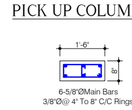
SECTION OF (C.B.1)



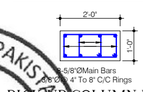
PICK UP COLUMN PC7
FOR GENERATOR ROOM 500 KVA



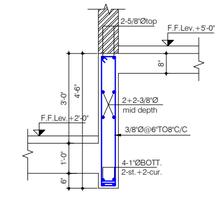
PICK UP COLUMN PC5



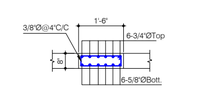
PICK UP COLUMN PC3



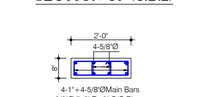
PICK UP COLUMN PC1



SECTION OF B1-B1

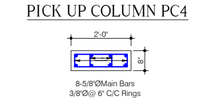


SECTION OF (C.B.2)

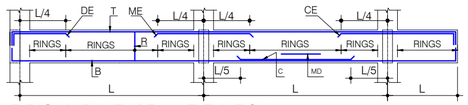


PICK UP COLUMN PC6
FOR GENERATOR ROOM 33 AND 66 KVA

PICK UP COLUMN PC4



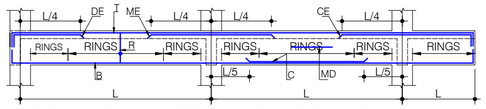
PICK UP COLUMN PC2



TYPICAL PLINTH BEAM ELEVATION

SCHEDULE OF PLINTH BEAM'S LEV.+5'-0"

BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
P.B.1	8"x24"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
P.B.2	8"x24"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
P.B.3	8"x24"	2-5/8"Ø	2-5/8"Ø	-	2 1/2"Ø	-	-	-	3/8"Ø@5"TO10"C/C
P.B.3a	8"x24" lev.+2'-0"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
P.B.3b	8"x24"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
LEV.+3'-0"									
P.B.4	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
P.B.5	8"x24"	2-1/2"Ø	2-5/8"Ø	-	2-5/8"Ø	-	2-5/8"Ø	-	3/8"Ø@5"TO10"C/C
P.B.6	8"x24"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
P.B.7	8"x24"	2-1/2"Ø	3-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
P.B.8	8"x24"	2-1/2"Ø	3-5/8"Ø	-	-	2-5/8"Ø	-	-	3/8"Ø@5"TO10"C/C
LEV.+2'-0"									
P.B.9	8"x24"	2-1/2"Ø	3-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
P.B.10	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C



TYPICAL BASEMENT TOP SLAB BEAM ELEVATION

SCHEDULE OF BASEMENT TOP SLAB BEAM'S

BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
G.B.1	48"x18" LEV.+2'-0"	7-1/2"Ø	7-3/4"Ø	-	3-3/4"Ø	-	3-1"	-	3/8"Ø@4" TO 8"C/C
G.B.2	48"x18" LEV.+5'-0"	7-1/2"Ø	7-3/4"Ø	2-1"Ø GRID 9 TO 15	3-1"	-	3-1"	-	3/8"Ø@4" TO 8"C/C
G.B.3	48"x18" LEV.+2'-0"	6-5/8"Ø	6-5/8"Ø	-	3-1/2"Ø	-	-	-	3/8"Ø@4" TO 8"C/C
G.B.4	8"x30" LEV.+2'-0" INVERTED	2-5/8"Ø	2-1"Ø	-	-	-	-	-	3/8"Ø@6" TO 8"C/C
G.B.5	12"x30" LEV.+5'-0"	2-5/8"Ø	2-3/4"Ø	2-3/4"Ø	2-1"Ø GRID 22	-	2-1"Ø	-	3/8"Ø@6" TO 8"C/C
G.B.6	8"x44" LEV.+5'-0"	2-5/8"Ø	2-3/4"Ø	-	-	-	2-3/4"Ø	2+2-1/2"Ø	3/8"Ø@6" TO 8"C/C
G.B.7	12"x30" LEV.+2'-0"	2-3/4"Ø	2-1"Ø	2-3/4"Ø GRID 13 TO 17	-	-	4-1"Ø GRID 13 TO 17	-	3/8"Ø@6" TO 8"C/C
G.B.8	12"x30" LEV.+2'-0"	2-3/4"Ø	2-1"Ø	2-3/4"Ø GRID 14 TO 16	-	-	2-1"Ø GRID 14 TO 16	-	3/8"Ø@6" TO 8"C/C
G.B.9	12"x30" LEV.+2'-0"	2-3/4"Ø	2-1"Ø		2-3/4"Ø	-	-	-	3/8"Ø@6" TO 8"C/C
G.B.10	12"x30" LEV.+2'-0"	2-3/4"Ø	2-3/4"Ø	-	-	-	2-5/8"Ø GRID 7	2-3/8"Ø	3/8"Ø@6" TO 8"C/C
G.B.11	36"x18" LEV.+2'-0"	7-5/8"Ø	7-3/4"Ø	3-3/4"Ø	4-1"Ø	-	4-1"Ø GRID 8	-	3/8"Ø@4" TO 8"C/C
G.B.12	8"x54" LEV.+5'-0"	2-5/8"Ø	2-1"Ø	2-1"Ø	4-1"Ø	-	4-1"Ø	3+3-1/2"Ø	3/8"Ø@6" TO 8"C/C
G.B.13	48"x18" LEV.+5'-0"	6-5/8"Ø	6-1"Ø	3-1"Ø	-	-	6-1"Ø	-	3/8"Ø@4" TO 8"C/C
G.B.14	48"x18" LEV.+5'-0"	6-5/8"Ø	6-1"Ø	3-1"Ø	6-1"Ø	-	6-1"Ø	-	3/8"Ø@4" TO 8"C/C
G.B.15	8"x54" LEV.+5'-0"	2-5/8"Ø	2-1"Ø	2-3/4"Ø	-	-	4-1"Ø	3+3-1/2"Ø	3/8"Ø@6" TO 8"C/C
G.B.16a	12"x30" LEV.+5'-0"	2-3/4"Ø	4-1"Ø	2-1"Ø	6-1"Ø	-	-	-	3/8"Ø@6" TO 8"C/C
G.B.16	12"x30" LEV.+2'-0"	2-3/4"Ø	4-1"Ø	2-1"Ø	4-1"Ø	-	4-1"Ø	-	3/8"Ø@6" TO 8"C/C
G.B.17	12"x30" LEV.+2'-0"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@6" TO 8"C/C
G.B.18	8"x24" LEV.+3'-0"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO 10"C/C
G.B.19	8"x24" LEV.+3'-0"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO 10"C/C
G.B.20	8"x24" LEV.+5'-0"	2-5/8"Ø	2-1"Ø	-	2-1"Ø	-	2-1"Ø	-	3/8"Ø@4" TO 6"C/C
G.B.21	6"x24" LEV.+5'-0"	2-3/4"Ø	2-3/4"Ø	-	-	-	-	-	3/8"Ø@6" TO 8"C/C

~~TENDER DRAWING~~

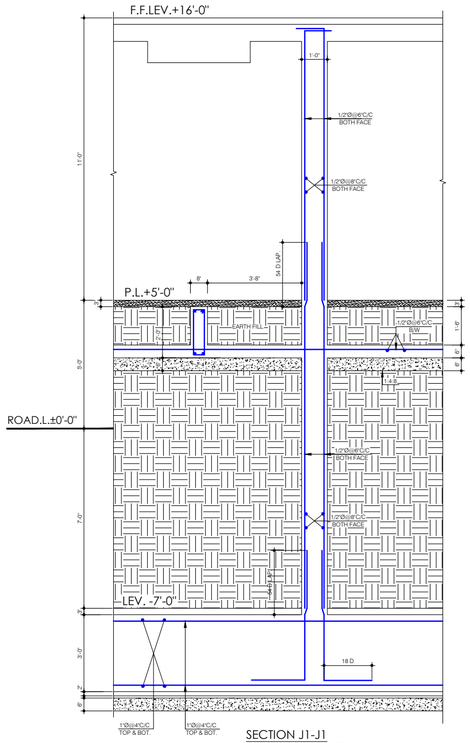
STRUCTURAL DESIGN & SERVICES DEPARTMENT
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal,
Karachi
STATE BANK OF PAKISTAN ★ ENGINEERING DEPARTMENT ★ KARACHI

Client	Job	Consultant	
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	

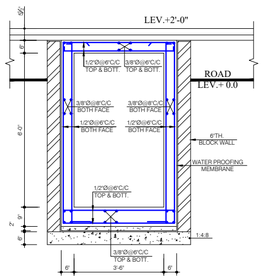
TITLE:	DATE:	LOCATION :-	JOB REF.
8"-TH. BASEMENT TOP SLAB AND BEAM FRAMING PLAN AT LEV.+2'-0" , +3'-0" AND +5'-0"	24-11-18	E: \ STATE BANK P.C M.FARHAN	886

MARK	REVISION	SIGN	DATE

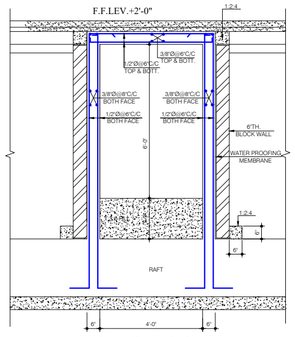
DRAWN:	SHEET REF.	
M.AKHTAR	STR.	S=07



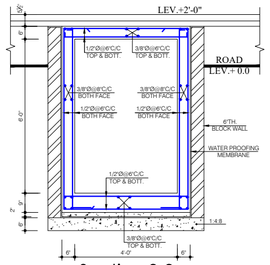
SECTION J1-J1
REFER SEE SECTION DWG. S=07



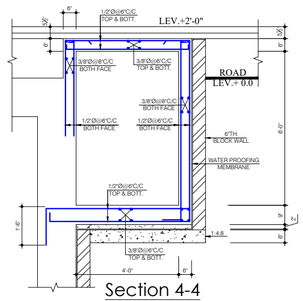
Section 1-1
REFER SEE ELEVATION. DWG. S=07



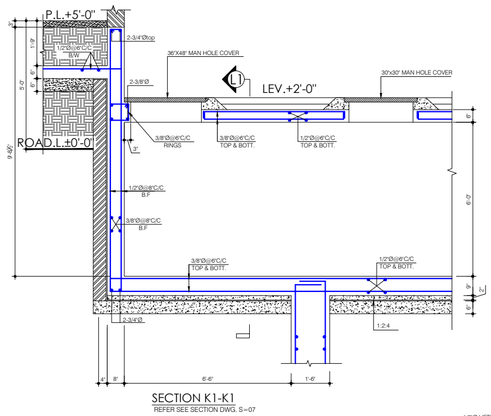
Section 2-2
REFER SEE ELEVATION. DWG. S=07



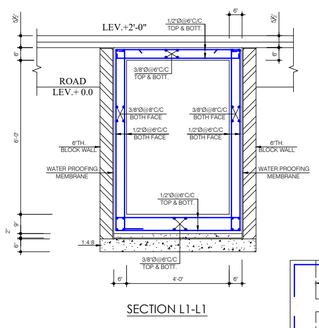
Section 3-3
REFER SEE ELEVATION. DWG. S=07



Section 4-4
REFER SEE ELEVATION. DWG. S=07



SECTION K1-K1
REFER SEE SECTION DWG. S=07

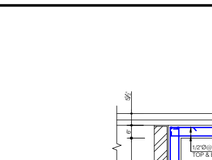


SECTION L1-L1

N WALL ELEVATION NO.(1)
REFER SEE ELEVATION. DWG. S=07

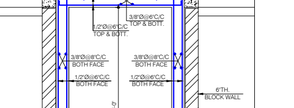
BEAM ELEVATION (P.B.11)
REFER SEE BEAM PLAN DWG. S=07

SECTION F1-F1
REFER SEE SECTION DWG. S=07

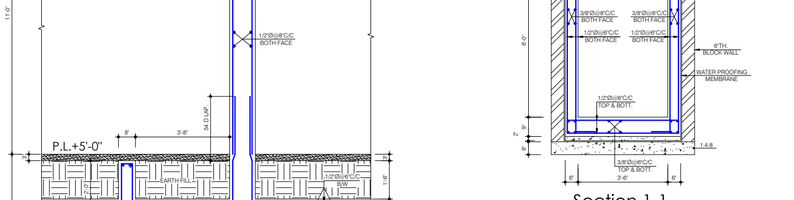


SECTION G1-G1
REFER SEE SECTION DWG. S=07

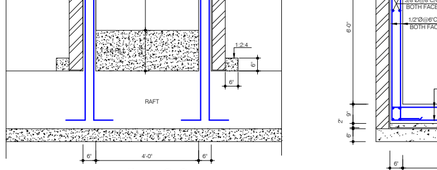
SECTION N1-N1



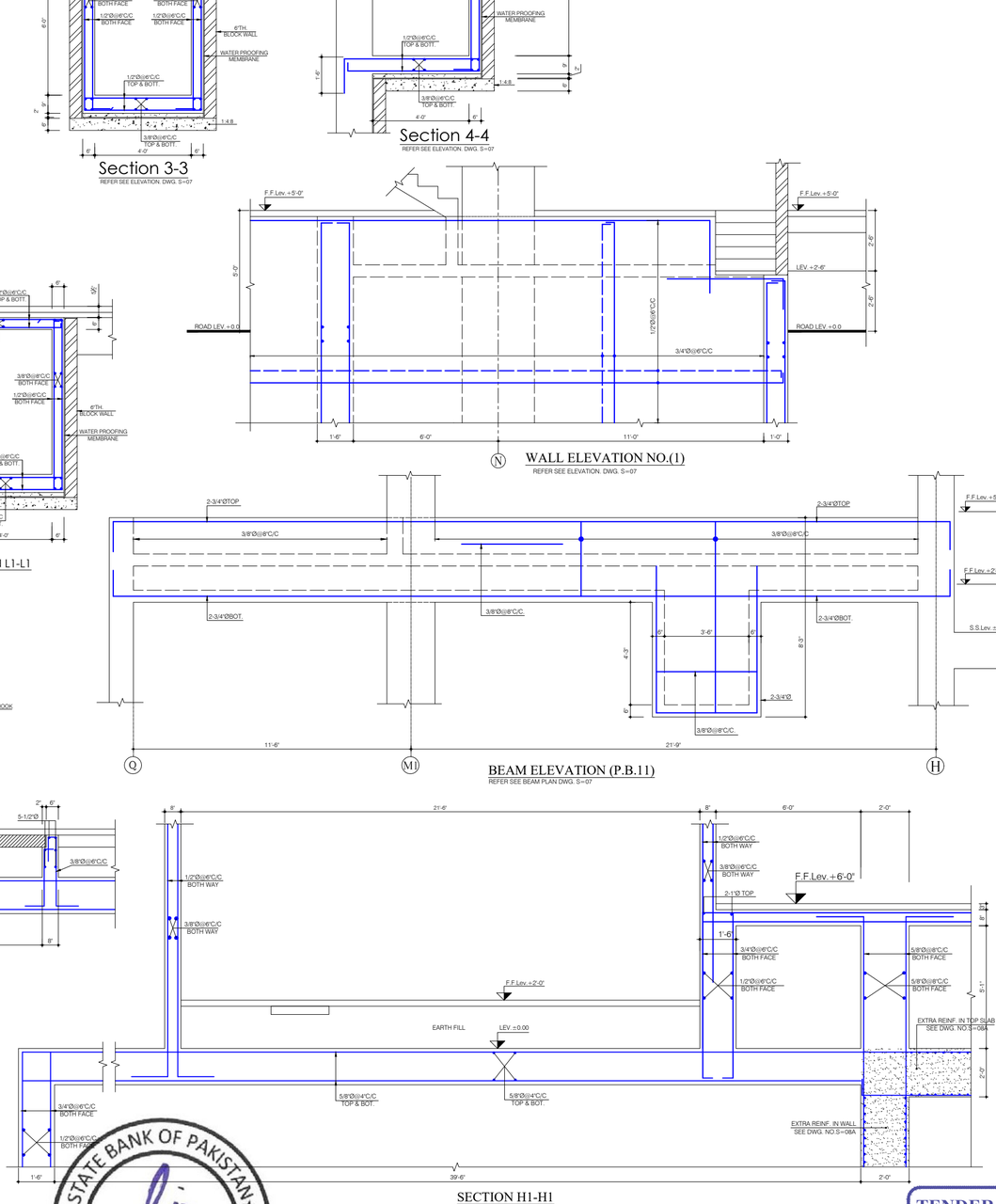
6" TH. PLAN OF PRECAST PLANK



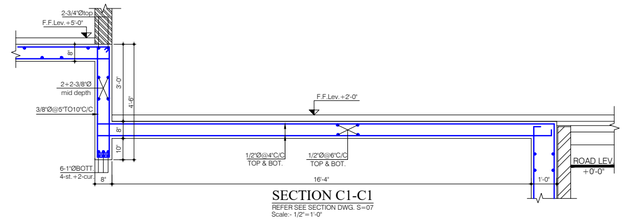
SECTION E1-E1
REFER SEE SECTION DWG. S=07



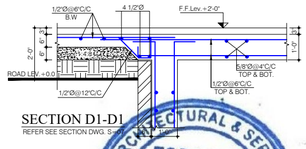
SECTION M1-M1
REFER SEE SECTION DWG. S=07



SECTION H1-H1
REFER SEE SECTION DWG. S=07



SECTION C1-C1
REFER SEE SECTION DWG. S=07
Scale:- 1/2"=1'-0"

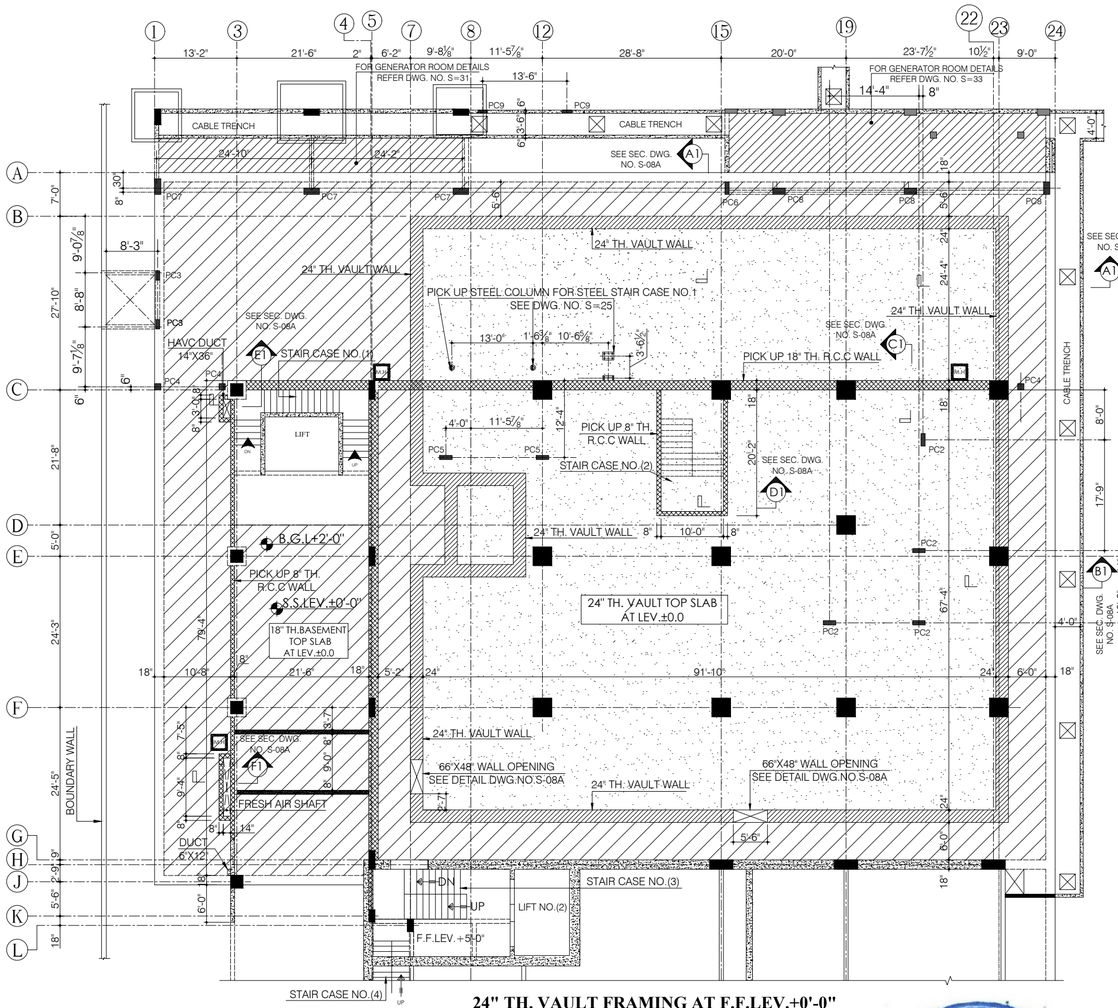


SECTION D1-D1
REFER SEE SECTION DWG. S=07

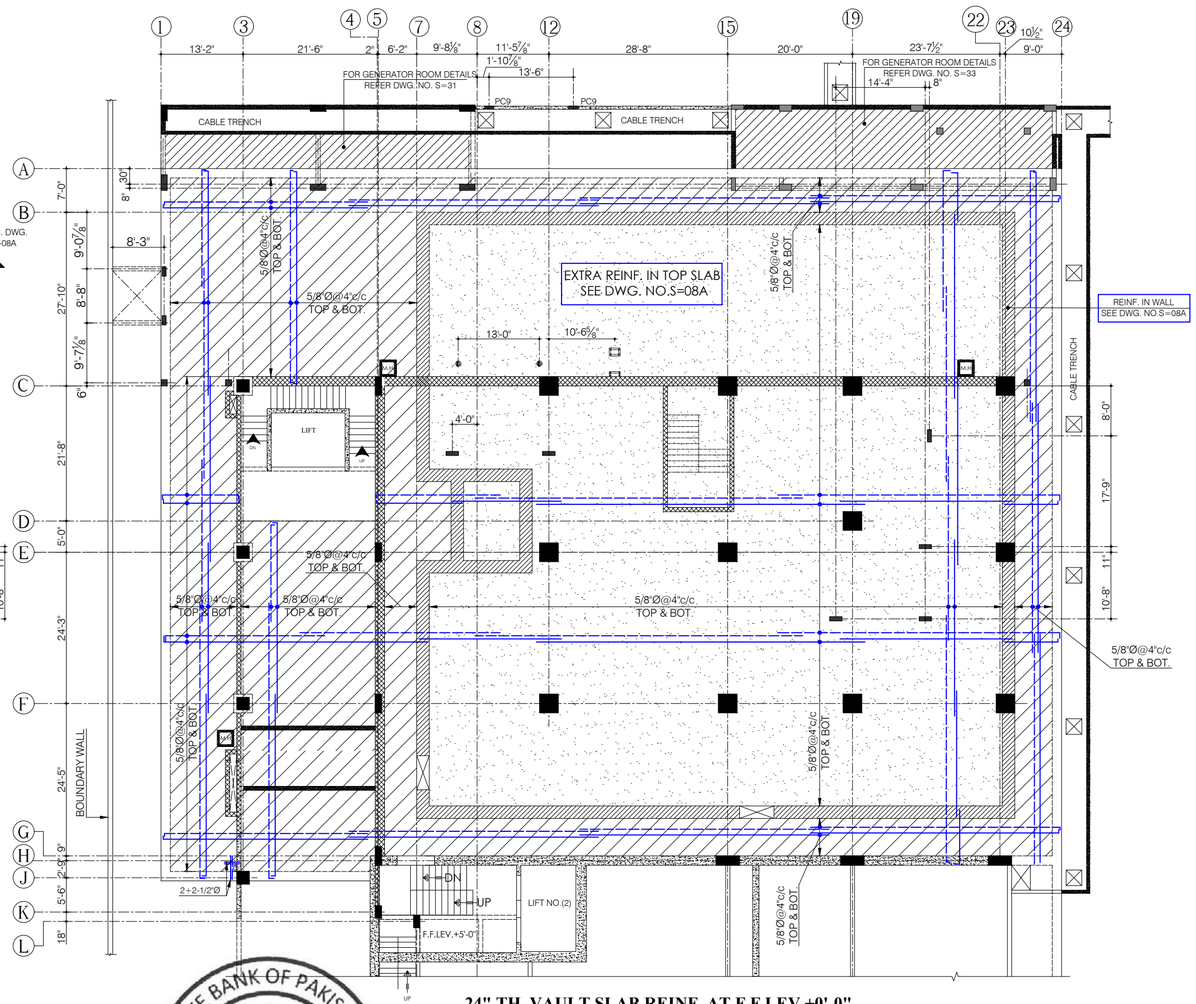
TENDER DRAWING

Client	Job	Consultant	TITLE: SECTIONS OF BASEMENT TOP SLAB AND PLINTH BEAM
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	DATE: 24-11-18 · LOCATION :- E: \ STATE BANK P.C M.FARHAN · JOB REF. 886 · DRAWN: M.AKHTAR · SHEET REF. STR. · **S=07A**

MARK	REVISION	SIGN	DATE



24" TH. VAULT FRAMING AT F.F.LEV.+0'-0"



24" TH. VAULT SLAB REINF. AT F.F.LEV.+0'-0"

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

PROJECT MANAGEMENT DIVISION
ESS -I- AAR
PLANNING ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI, P. O. BOX NO. 7608

TITLE:	DATE:	LOCATION :-	JOB REF.
24"-TH. VAULT TOP SLAB REINF. PLAN AT LEV.±0'-0"	24-11-18	E: \ STATE BANK P.C M.FARHAN	886

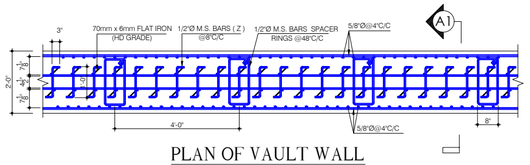
MARK	REVISION	SIGN	DATE

REV:0

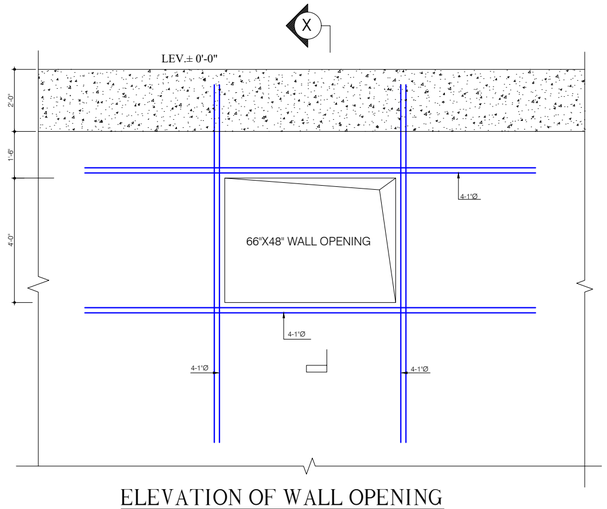
DRAWN: M.AKHTAR

SHEET REF. STR.

S=08

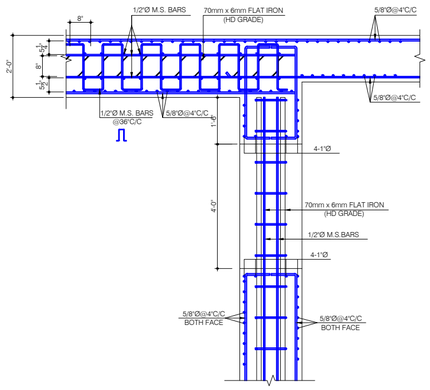


PLAN OF VAULT WALL

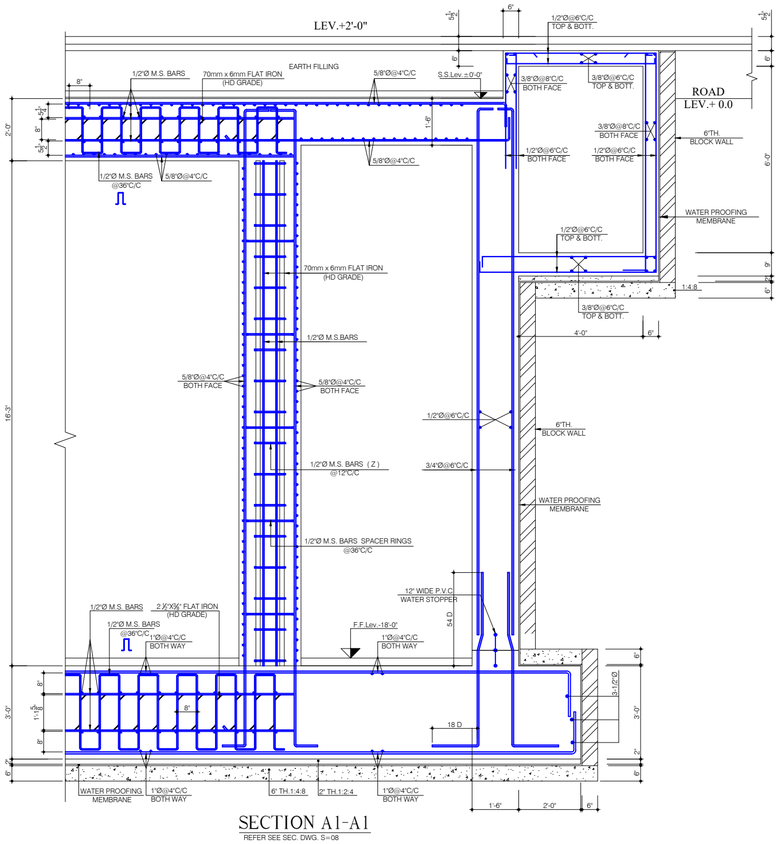


ELEVATION OF WALL OPENING

REFER SEE SEC. DWG. S=08

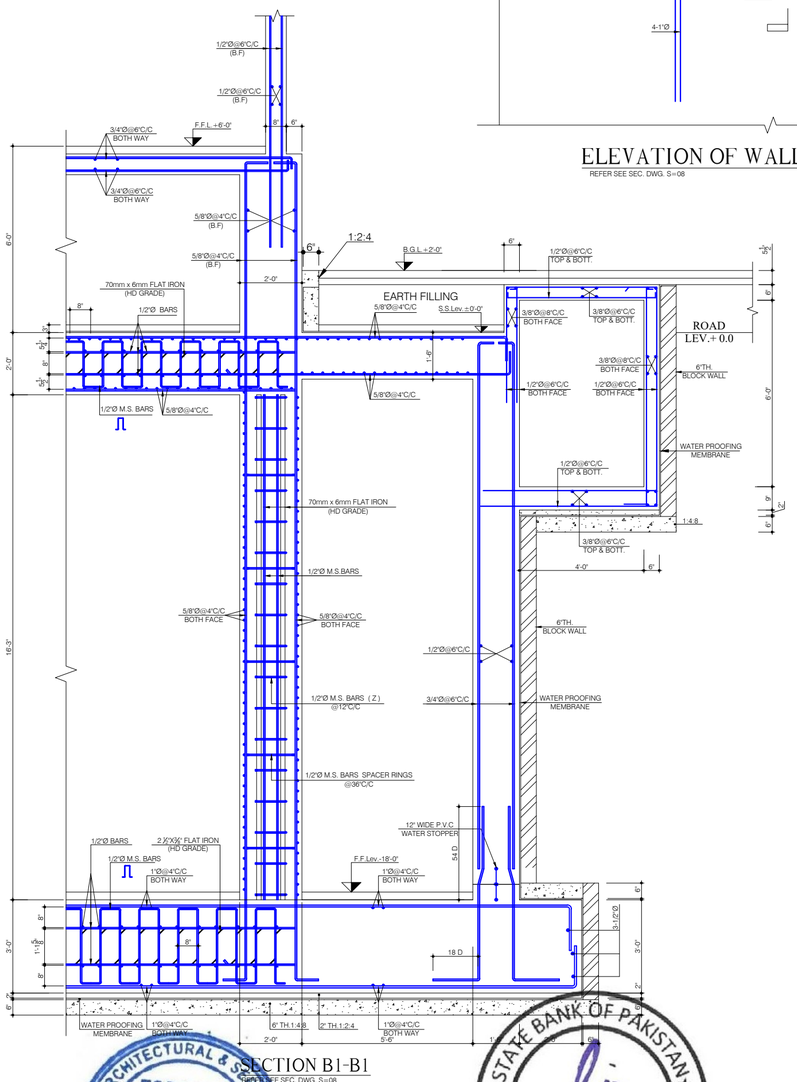


SECTION X-X



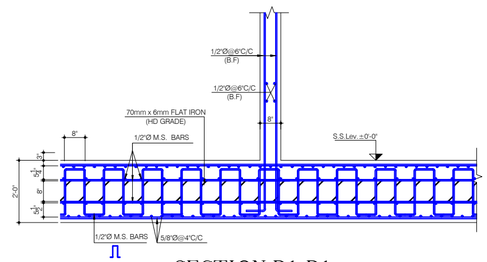
SECTION A1-A1

REFER SEE SEC. DWG. S=08



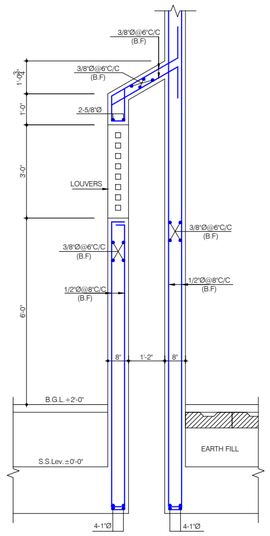
SECTION B1-B1

REFER SEE SEC. DWG. S=08



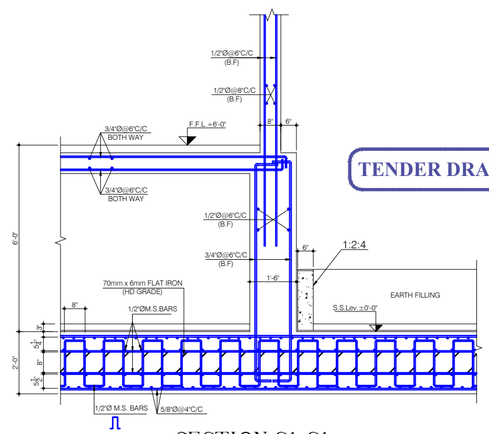
SECTION D1-D1

REFER SEE SEC. DWG. S=08



SECTION F1-F1

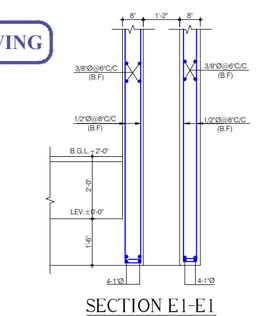
REFER SEE SEC. DWG. S=08



SECTION C1-C1

REFER SEE SEC. DWG. S=08

TENDER DRAWING



SECTION E1-E1

REFER SEE SEC. DWG. S=08

ENGG. ARCHITECTURAL & SERVICES DEPARTMENT
ESS.I.AAR
314, Mashriq Centre
3-S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
STATE BANK OF PAKISTAN
HOUSE BUILDING DEPARTMENT
PROJECT MANAGEMENT
VISION

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

ESS -I- AAR
PLANNING ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI , P. O. BOX NO. 7608

TITLE: SECTIONS OF VAULT SLAB

DATE: 24-11-18

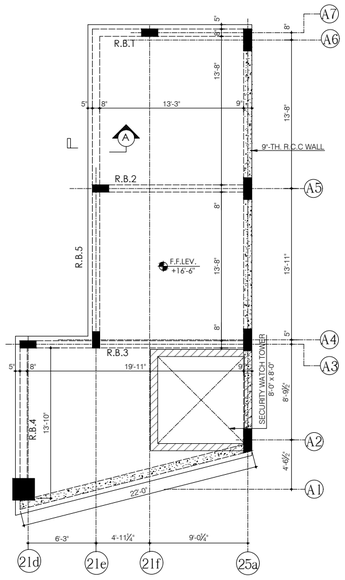
LOCATION :- E: \ STATE BANK P.C M.FARHAN

JOB REF. 886

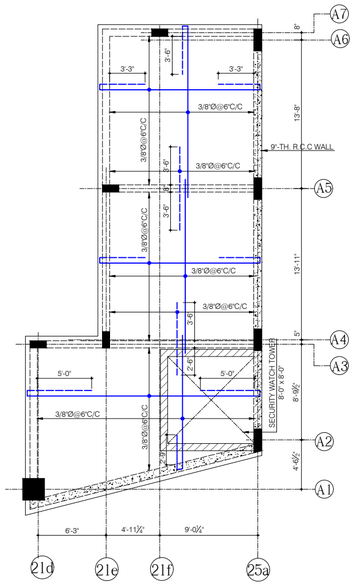
MARK	REVISION	SIGN	DATE

DRAWN: M.AKHTAR

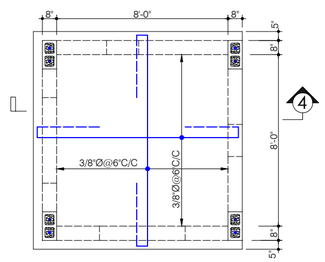
SHEET REF. STR. **S=08A**



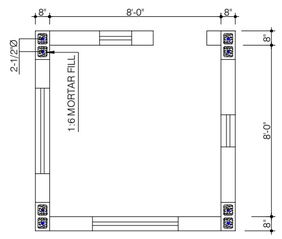
ROOF BEAM FRAMING PLAN
AT LEV.+16'-6"



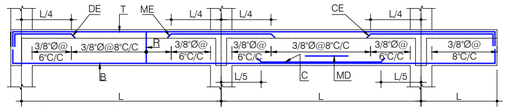
6" TH. ROOF SLAB REINF. PLAN
AT LEV.+16'-6"



6"-TH. ROOF SLAB OF SECURITY WATCH TOWER

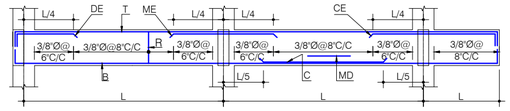


REINF.PLAN OF SECURITY WATCH TOWER



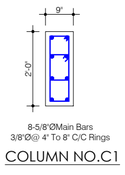
TYPICAL ROOF BEAM ELEVATION

SCHEDULE OF ROOF BEAM'S									
BEAM NO.	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
R.B.1	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	4-3/4"Ø	-	-	3/8"Ø@6" TO 8"C/C
R.B.2	8"x24"	2-5/8"Ø	2-3/4"Ø	-	2-5/8"Ø	-	-	-	3/8"Ø@6" TO 8"C/C
R.B.3	8"x24"	2-5/8"Ø	2-3/4"Ø	-	2-5/8"Ø	-	-	-	3/8"Ø@6" TO 8"C/C
R.B.4	8"x24"	2-5/8"Ø	2-3/4"Ø	-	-		-	-	3/8"Ø@6" TO 8"C/C
R.B.5	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	4-3/4"Ø	-	3/8"Ø@6" TO 8"C/C

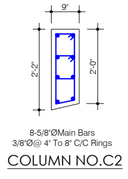


TYPICAL PLINTH BEAM ELEVATION

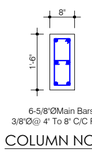
SCHEDULE OF PLINTH BEAM'S									
BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
P.B.1	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO 10"C/C
P.B.2	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO 10"C/C
P.B.3	8"x24"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO 10"C/C
P.B.4	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO 10"C/C



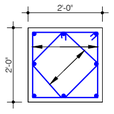
8-5/8"ØMain Bars
3/8"Ø@ 4" To 8" C/C Rings
COLUMN NO.C1



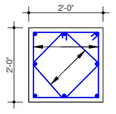
8-5/8"ØMain Bars
3/8"Ø@ 4" To 8" C/C Rings
COLUMN NO.C2



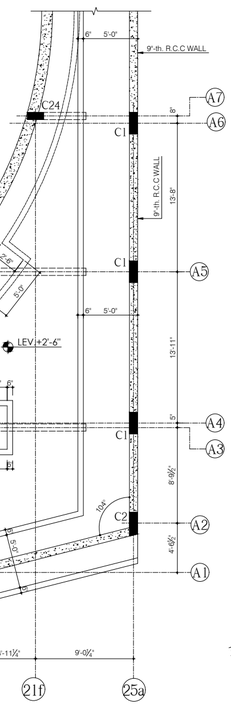
6-5/8"ØMain Bars
3/8"Ø@ 4" To 8" C/C Rings
COLUMN NO.C3



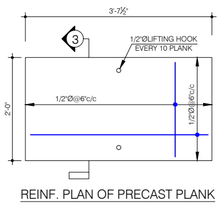
8-3/4"ØMain Bars
3/8"Ø@ 8" C/C Rings
COLUMN NO.C4



8-3/4"ØMain Bars
3/8"Ø@ 8" C/C Rings
COLUMN NO.C5

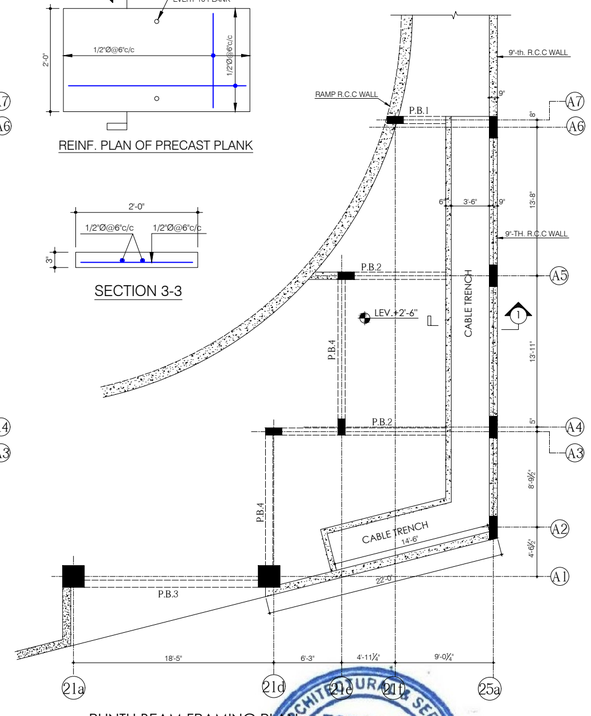


FOUNDATION PLAN

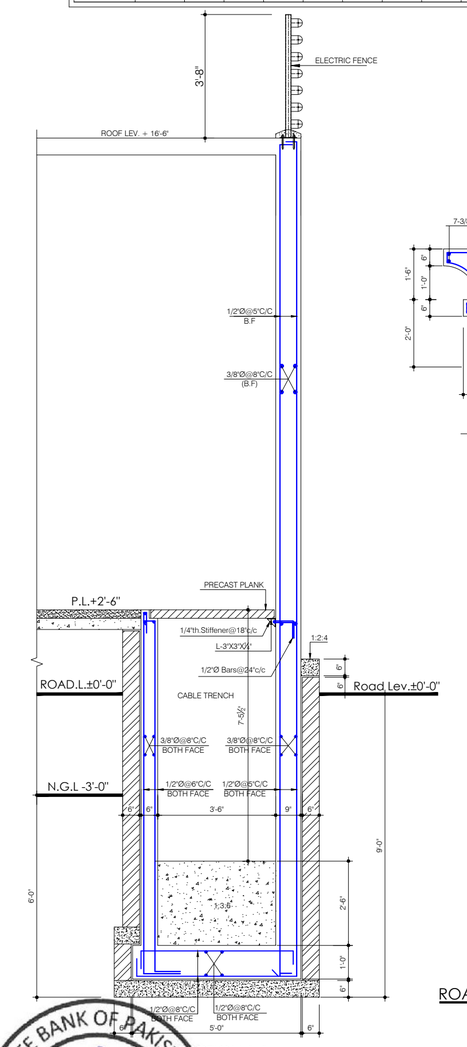


REINF. PLAN OF PRECAST PLANK

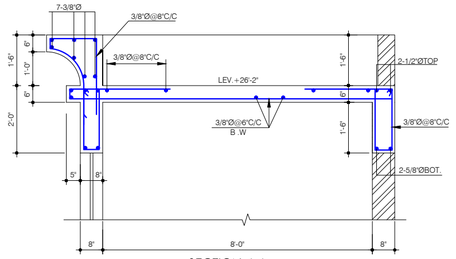
SECTION 3-3



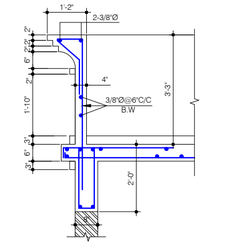
PLINTH BEAM FRAMING PLAN



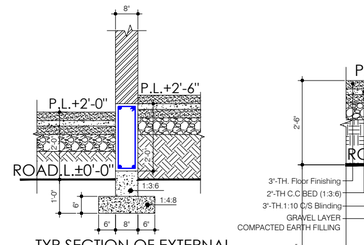
SECTION 1-1



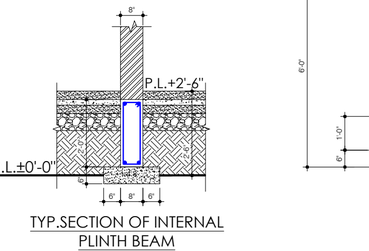
SECTION 4-4
Scale : 3/8" =1'-0"



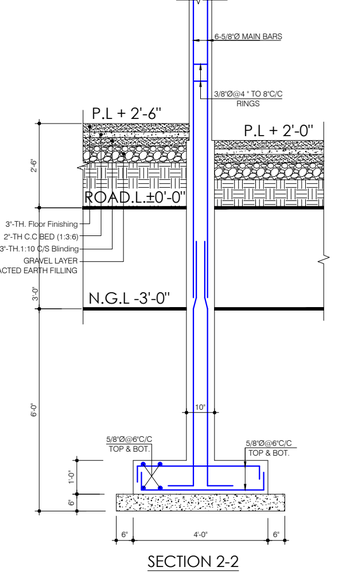
SECTION A-A



TYP.SECTION OF EXTERNAL
PLINTH BEAM
Scale : ½" =1'-0"



TYP.SECTION OF INTERNAL
PLINTH BEAM
Scale : ½" =1'-0"



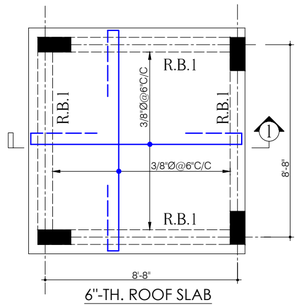
SECTION 2-2
SCALE : 3/8" =1'-0"

TENDER DRAWING

ESS.I.AAR
314, Mashriq Centre
3.5 Sulaiman Road,
Gulshan-e-Iqbal,
Karachi
PLANNING ENGINEERING & SERVICES CONSULTANT

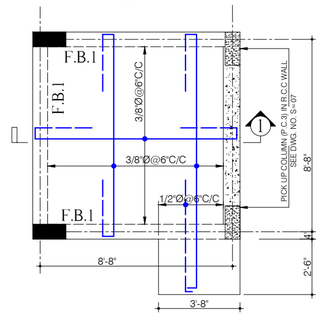
Client	Job	Consultant	TITLE: FOUNDATION PLAN AND SLAB BEAM FRAMING AND SLAB REINF. DETAILS
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA WAPDA HT. PANEL ROOM	PROJECT MANAGEMENT ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	DATE: 24-11-18 LOCATION :- E: \ STATE BANK P.C M.FARHAN JOB REF. 886 DRAWN: M.AKHTAR SHEET REF. STR. S=09

MARK	REVISION	SIGN	DATE



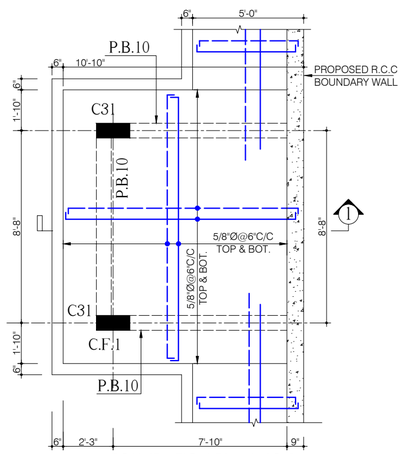
6"-TH. ROOF SLAB
SECURITY WATCH TOWEr

Scale :⅜"=1'-0"



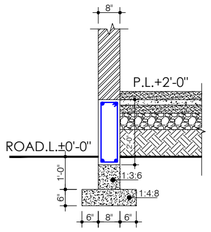
6"-TH. 1-ST. FLOOR SLAB
SECURITY WATCH TOWER

Scale :⅜"=1'-0"



FOUNDATION PLAN NO.1
SECURITY WATCH TOWER

Scale :⅜"=1'-0"



TYP. SEC. OF (P.B.10)

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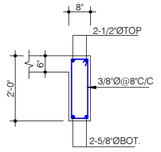

TYP. SEC. OF (F.B.1)

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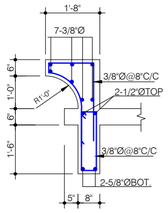

TYP. SEC. OF (R.B.1)

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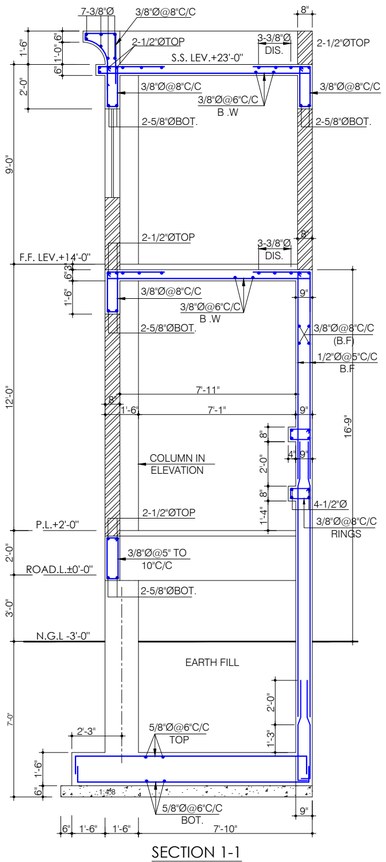
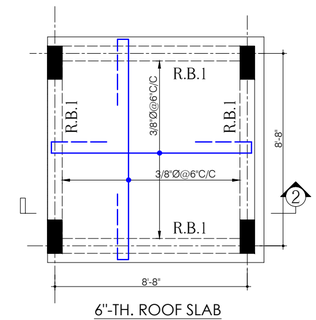
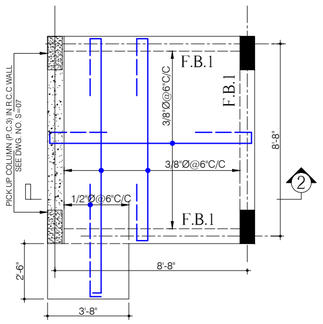


SECTION 1-1



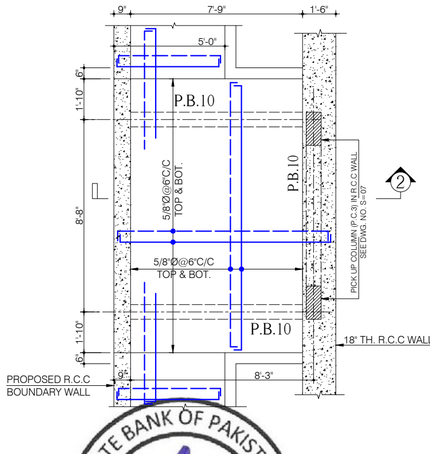
6"-TH. ROOF SLAB
SECURITY WATCH TOWER

Scale :⅜"=1'-0"



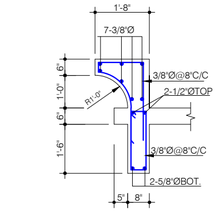
6"-TH. 1-ST. FLOOR SLAB
SECURITY WATCH TOWER

Scale :⅜"=1'-0"



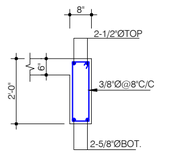
FOUNDATION PLAN NO.2
SECURITY WATCH TOWER

Scale :⅜"=1'-0"



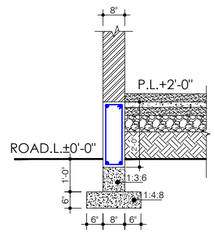
TYP. SEC. OF (R.B.1)

Scale :⅜"=1'-0"



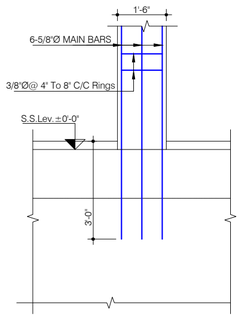
TYP. SEC. OF (F.B.1)

Scale :⅜"=1'-0"

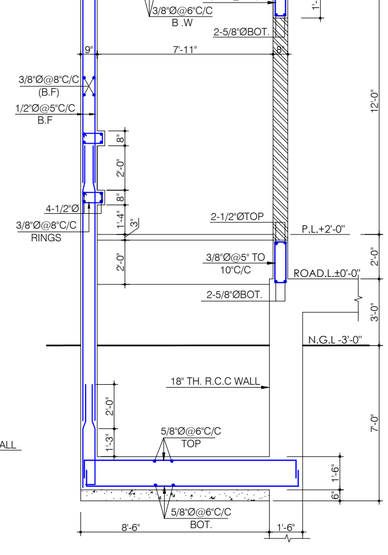


TYP. SEC. OF (P.B.10)

Scale :⅜"=1'-0"



ELEVATION OF PICK UP COLUMN



SECTION 2-2

NOTES:-

1 ----- REINF. CROSS SECTION OF COLUMN (C31) SEE DWG. NO. S=01

2 ----- REINF. DETAIL OF PLINTH BEAM (P.B.10) SEE DWG. NO. S=07

3 ----- REINF. CROSS SECTION OF PICK UP COLUMN (P.C.3) SEE DWG. NO. S=07

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

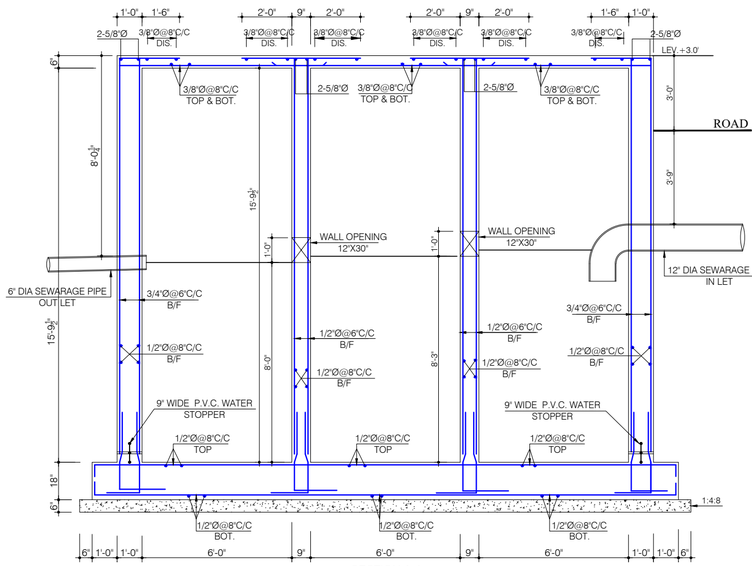
Consultant

PROJECT MANAGEMENT VISION ESS -I- AAR
PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

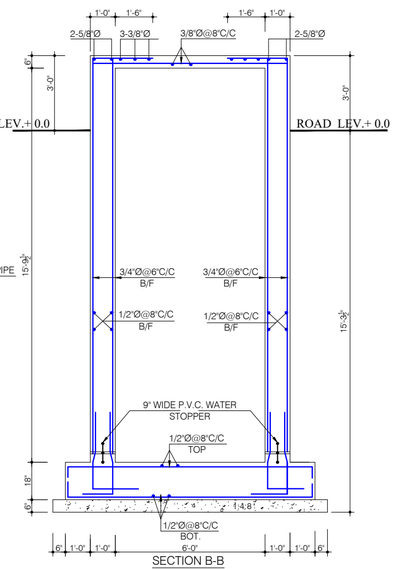
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ENGINEERING & ARCHITECTURAL SERVICES DEPARTMENT KARACHI

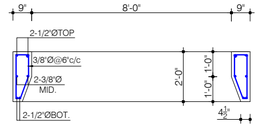
TITLE:	FOUNDATION PLAN AND SLAB REINF. DETAILS (SECURITY WATCH TOWER ROOM NO. 1 AND 2)	DATE:	24-11-18	LOCATION :-	E: \ STATE BANK P.C M.FARHAN	JOB REF.	886
REVISION							
MARK	REVISION	SIGN	DATE				
				DRAWN:	M. AKHTAR	SHEET REF. STR.	S=10



SECTION A-A



SECTION B-B



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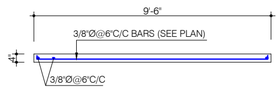
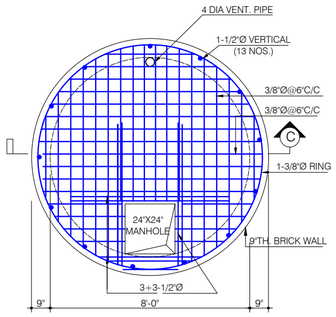
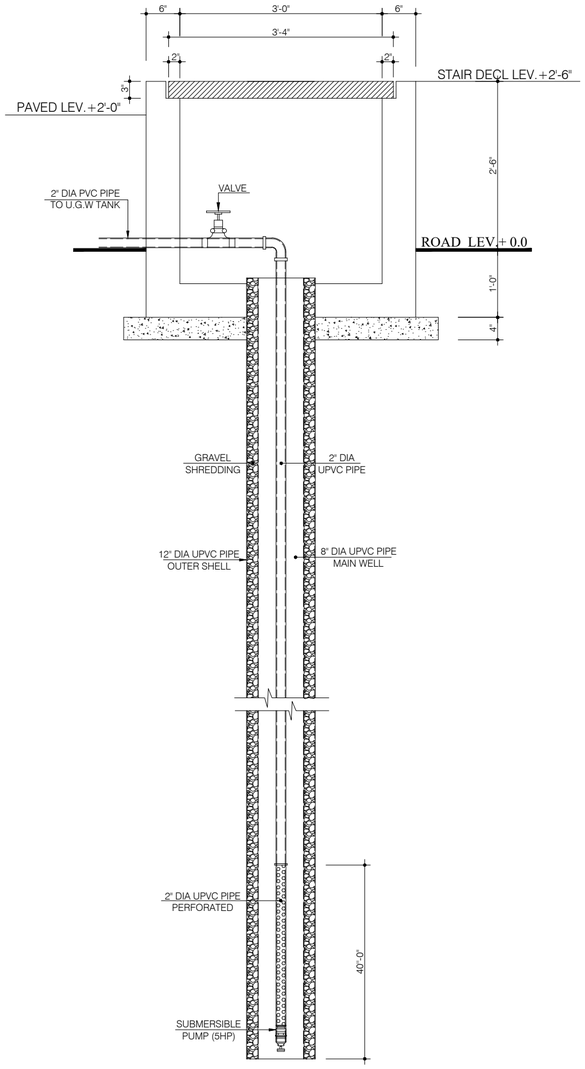


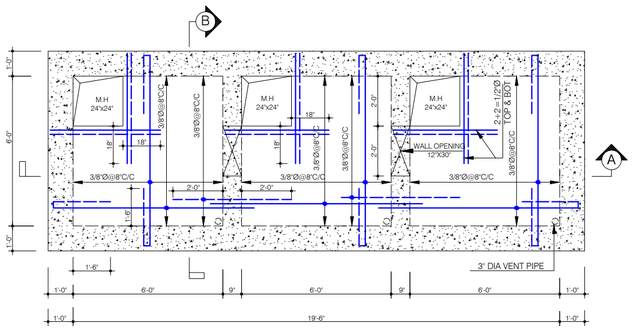
DETAIL - A (TOP SLAB)



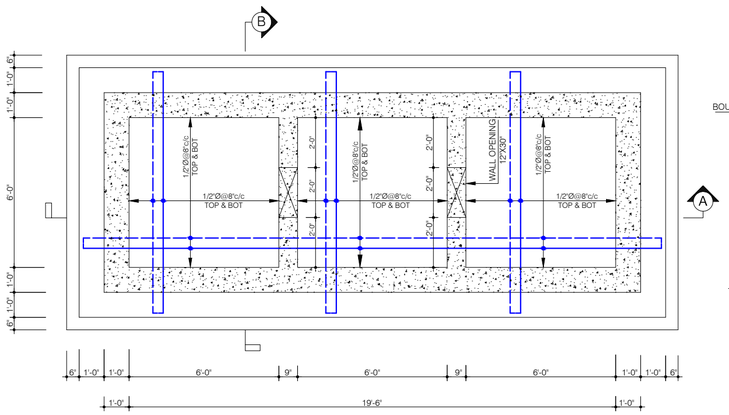
4"-TH. SLAB REINF. SOAK PIT



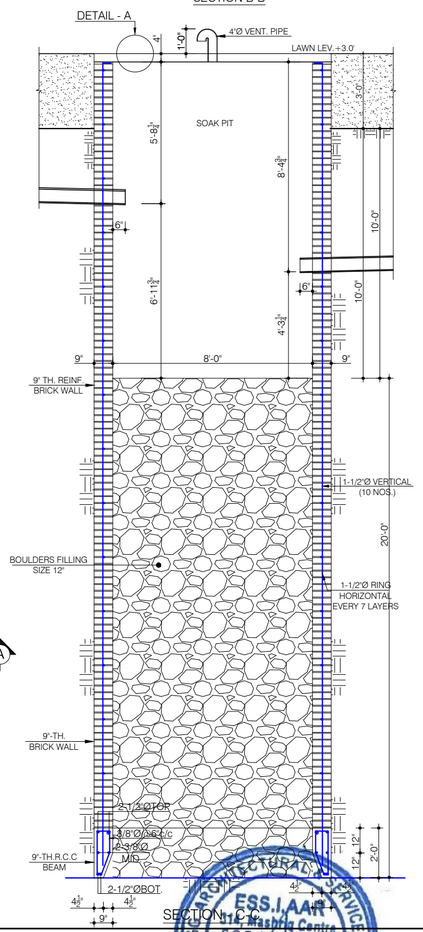
SECTION OF TUBE WELL BORE



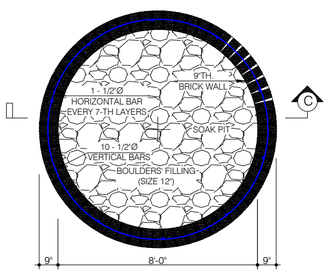
6"TH. TOP SLAB REINFORCEMENT



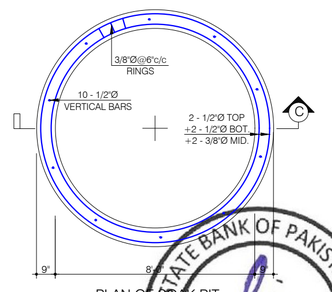
18"TH. BOTT.SLAB REINFORCEMENT



SECTION C-C



PLAN OF SOAK PIT AT MID. LEVEL

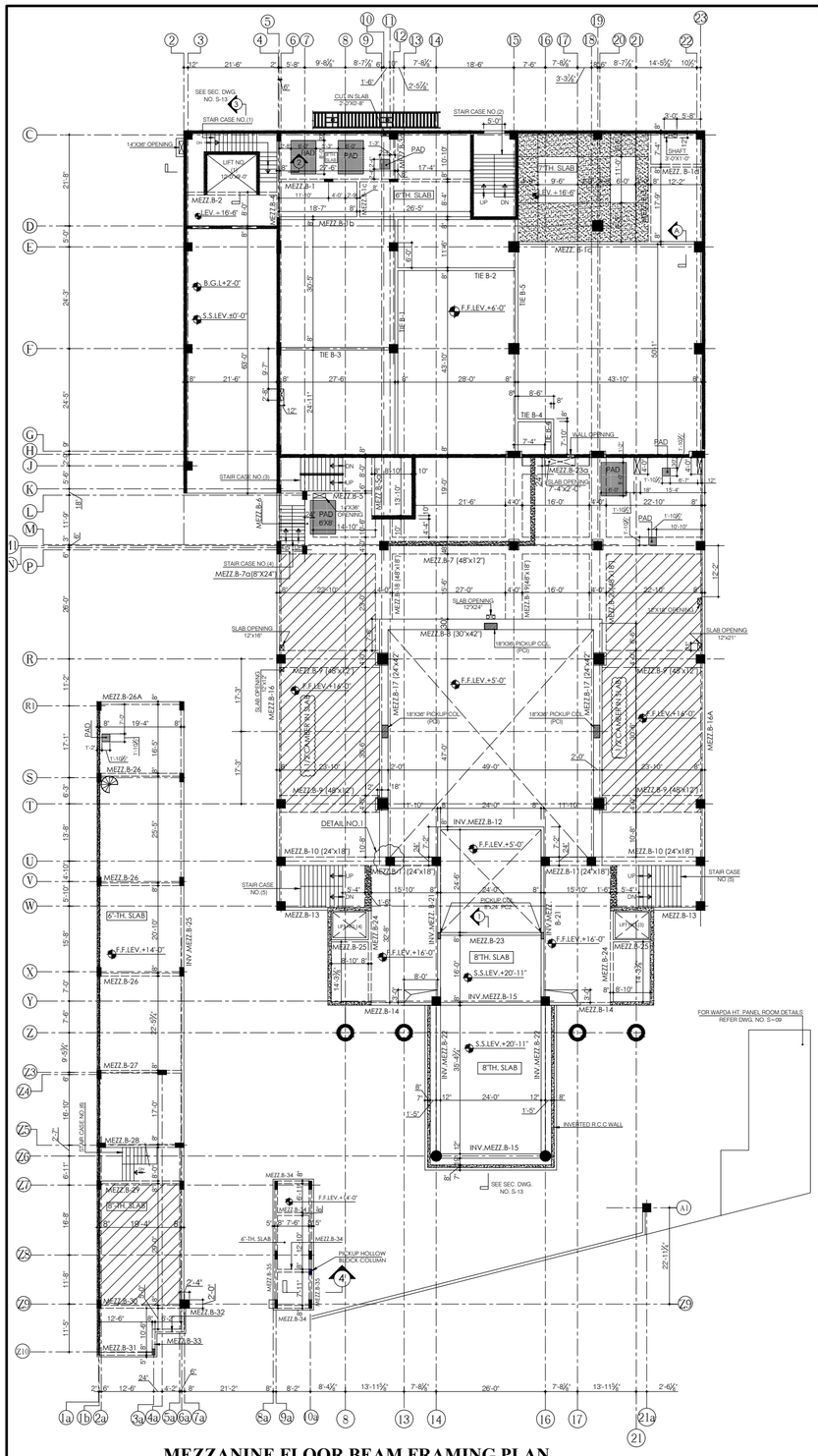


PLAN OF SOAK PIT AT BOT. LEVEL

TENDER DRAWING

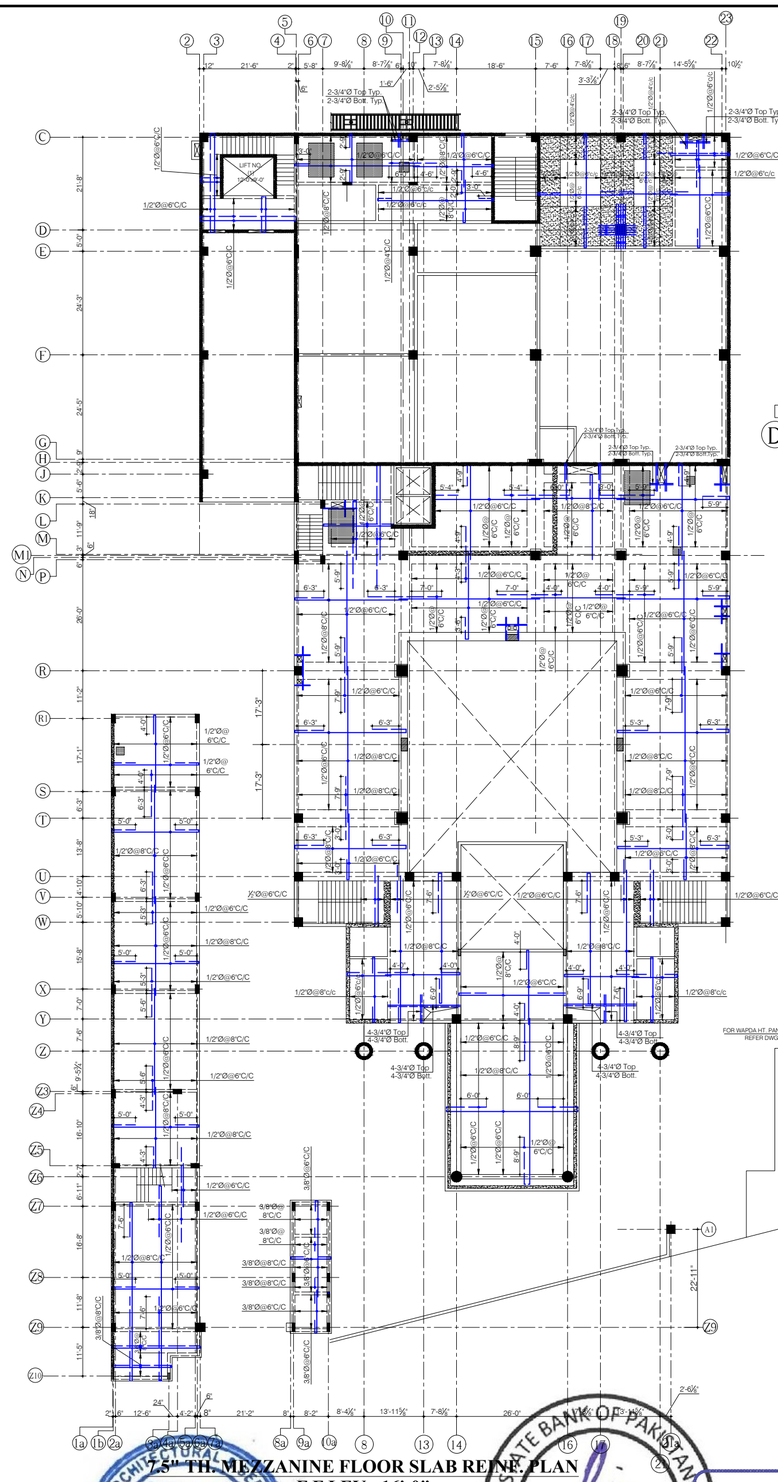
Client	Job	Consultant	TITLE: PLAN AND SECTIONS OF SEPTIC TANK AND SOAK PIT REINF. DETAILS
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **SEPTIC TANK**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	DATE: 24-11-18 · LOCATION :- E: \ STATE BANK P.C M.FARHAN · JOB REF. 886 · DRAWN: M . AKHTAR · SHEET REF. STR. · **S=11**

MARK	REVISION	SIGN	DATE



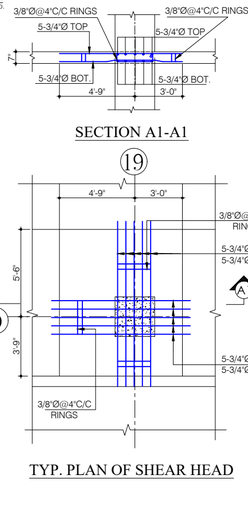
MEZZANINE FLOOR BEAM FRAMING PLAN
F.F.LEV.+16'-0"

Scale : 1/16" =1'-0"



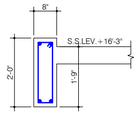
7.5" TH. MEZZANINE FLOOR SLAB REINF. PLAN
F.F.LEV.+16'-0"

Scale : 1/16" =1'-0"

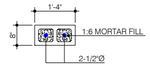


SECTION A1-A1

TYP. PLAN OF SHEAR HEAD



SECTION A-A



SECTION OF PICKUP HOLLOW BLOCK COLUMN

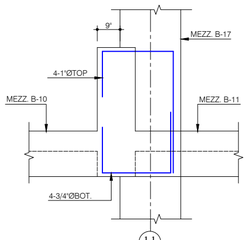
SECTION OF (C.B.1)

PICK UP COLUMN (PC1)

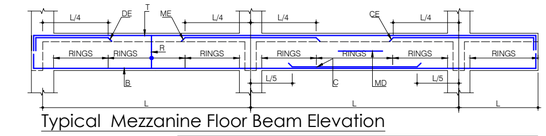
Scale : 3/8" =1'-0"

PICK UP COLUMN (PC2)

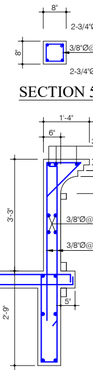
Scale : 3/8" =1'-0"



DETAIL NO.1



Typical Mezzanine Floor Beam Elevation



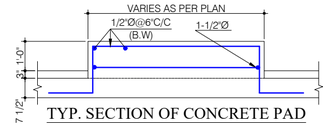
SECTION 5-5

SECTION 4-4

SCHEDULE OF MEZZANINE FLOOR BEAM'S LEV.+16'-0"									
BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
MEZ.B-1	8"X24"	2-5/8"Ø	2-1"Ø	-	2-3/4"Ø	-	2-1"Ø	-	3/8"Ø@5"TO10"C/C
MEZ.B-1a									
MEZ.B-1b	8"X24"	2-5/8"Ø	2-3/4"Ø	2-3/4"Ø	2-3/4"Ø	-	2-1"Ø	-	3/8"Ø@5"TO10"C/C
MEZ.B-1c	8"X21"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
MEZ.B-1d	8"X21"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
MEZ.B-2	8"X27"	2-3/4"Ø	4-3/4"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
MEZ.B-3	8"X21"	2-5/8"Ø	2-1"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
MEZ.B-3a	8"X21"	2-5/8"Ø	2-3/4"Ø	-	2-5/8Ø	-	-	-	3/8"Ø@5"TO10"C/C
MEZ.B-4	8"X21"	2-5/8"Ø	2-3/4"Ø	2-3/4"Ø	2-3/4"Ø	-	-	-	3/8"Ø@5"TO10"C/C
MEZ.B-5	8"X18"	4-5/8"Ø	4-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
MEZ.B-5a	8"X33"	2-3/4"Ø	2-3/4"Ø	-	-	-	-	3+3= 1/2"Ø	3/8"Ø@5"TO10"C/C
MEZ.B-6	24"X18"	4-1/2"Ø	4-5/8"Ø	-	-	-	-	-	3/8"Ø@4"TO8"C/C
MEZ.B-7	48"X12"	7-5/8"Ø	7-3/4"Ø	2-3/4"Ø	4-1"Ø GRD 22	-	4-1"Ø	-	3/8"Ø@4"TO8"C/C
MEZ.B-7a	8"X24"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@4"C/C
MEZ.B-8	SEE PROFILE								
MEZ.B-9	48"X12"	6-5/8"Ø	4-1"Ø	2-1"Ø	6-1"Ø	-	-	-	3/8"Ø@4"TO8"C/C
MEZ.B-10	24"X18"	6-1/2"Ø	6-3/4"Ø	-	2-1"Ø	-	3-1"Ø	-	3/8"Ø@4"TO8"C/C
MEZ.B-11	24"X18"	4-1/2"Ø	4-3/4"Ø	-	2-1/2"Ø	-	3-1"Ø	-	3/8"Ø@4"TO8"C/C
MEZ.B-12	8"X33" INVERTED	2-5/8"Ø	2-1"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-13	8"X33"	3-1"Ø	2-3/4"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-14	8"X33"	3-1"Ø	2-3/4"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-15	8"X30" INVERTED	2-5/8"Ø	2-1"Ø	-	2-5/8"Ø	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-16	8"X33"	2-5/8"Ø	2-1"Ø	2-1"Ø GRD 18 K	2-5/8"Ø	-	3-1"Ø	-	3/8"Ø@5" TO10"C/C
MEZ.B-16A	SEE PROFILE								
MEZ.B-17	SEE PROFILE								
MEZ.B-18	SEE PROFILE								
MEZ.B-19	48"X18"	8-3/4"Ø	8-3/4"Ø	-	-	-	8-1"Ø	-	3/8"Ø@4"TO8"C/C
MEZ.B-20	SEE PROFILE								
MEZ.B-21	SEE PROFILE								
MEZ.B-22	SEE PROFILE								
MEZ.B-23	SEE PROFILE								
MEZ.B-23a	24"X18"	4-5/8"Ø	4-5/8"Ø	-	-	-	-	-	3/8"Ø@4"TO8"C/C
MEZ.B-24	8"X33"	2-3/4"Ø	2-3/4"Ø	-	-	-	3+3= 1/2"Ø		3/8"Ø@5"C/C
MEZ.B-25	8"X24"	2-3/4"Ø	2-3/4"Ø	-	-	-	-		3/8"Ø@5"C/C

SCHEDULE OF TIE BEAM'S LEV.+16'-0"								
TIE B-1	8"X24"	2-1/2"Ø	2-3/4"Ø	-	2-3/4"Ø	4-1"Ø	2-1"Ø	-	3/8"Ø@5" TO10"C/C
TIE B-2	8"X24"	2-5/8"Ø	2-3/4"Ø	2-3/4"Ø	-	-	-	-	3/8"Ø@5" TO10"C/C
TIE B-3	8"X24"	2-5/8"Ø	2-5/8"Ø	-	2-1/2"Ø	-	-	-	3/8"Ø@5" TO10"C/C
TIE B-4	8"X24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C
TIE B-5	8"X24"	2-1/2"Ø	2-3/4"Ø	-	2-5/8"Ø	2-1"Ø	2-3/4"Ø	-	3/8"Ø@5" TO10"C/C

SCHEDULE OF FLOOR BEAM'S LEV.+14'-0"								
MEZ.B-25	6"X24"	2-5/8"Ø	2-3/4"Ø	2-3/4"Ø GRD 5 TO 9 2-5/8"Ø GRD 36 TO 22	2-1"Ø	-	2-1"Ø	-	3/8"Ø@5" TO10"C/C
MEZ.B-26	8"X24"	2-5/8"Ø	2-3/4"Ø	4-5/8"Ø	-	2-3/4"Ø	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-26A	8"X33"	2-3/4"Ø	2-3/4"Ø	-	2-3/4"Ø	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-27	8"X33"	2-3/4"Ø	2-3/4"Ø	-	-	2-3/4"Ø	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-28	8"X30"	2-5/8"Ø	4-5/8"Ø	2-1/2"Ø	2-1"Ø	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-29	8"X30"	2-5/8"Ø	2-3/4"Ø	2-3/4"Ø	2-1"Ø	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-30	8"X30"	2-5/8"Ø	4-5/8"Ø	-	2-3/4"Ø	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-31	8"X24"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-32	8"X33"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-33	8"X33"	2-3/4"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-34	8"X33"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C
MEZ.B-35	8"X30"	2-5/8"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5" TO10"C/C



TYP. SECTION OF CONCRETE PAD

ENGG. ARCHITECTURAL PLANNING CONSULTANTS ESS,I,AAR 314, Mashriq Centre S.S.Sulaiman Road, Gulshan-e-Iqbal, Karachi.

STATE BANK OF PAKISTAN ★ ENGINEERING ★ ARCHITECTURE ★ PROJECT MANAGEMENT ★ INTERIOR DESIGN ★ FIRE & SEC HOOK

TENDER DRAWING

Client: STATE BANK OF PAKISTAN

Job: CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant: ESS -I- AAR
PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

TITLE: 8"-TH. MEZZANINE REINF. AND BEAM FRAMING PLAN AT LEV.+16'-0"

DATE: 24-11-18

LOCATION :- E: \ STATE BANK\ P.C M.FARHAN

JOB REF. 886

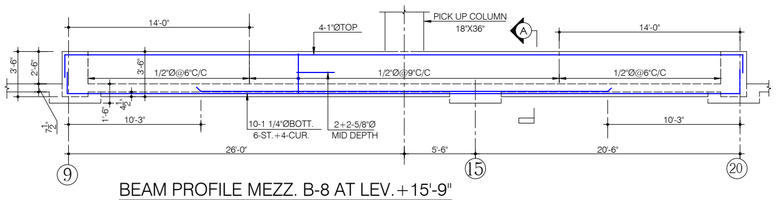
MARK	REVISION	SIGN	DATE

REV-0

DRAWN: M.AKHTAR

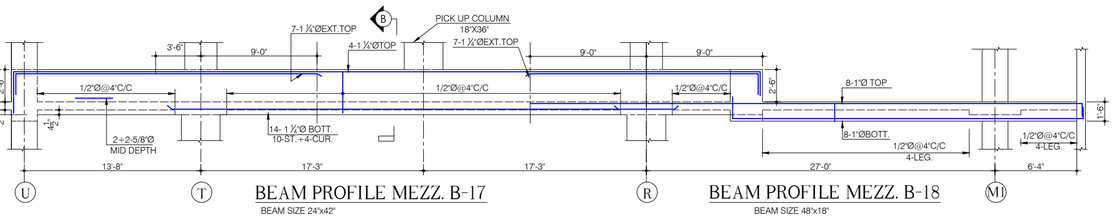
SHEET REF. STR.

S=12



BEAM PROFILE MEZZ. B-8 AT LEV.+15'-9"

BEAM SIZE 30"x42"

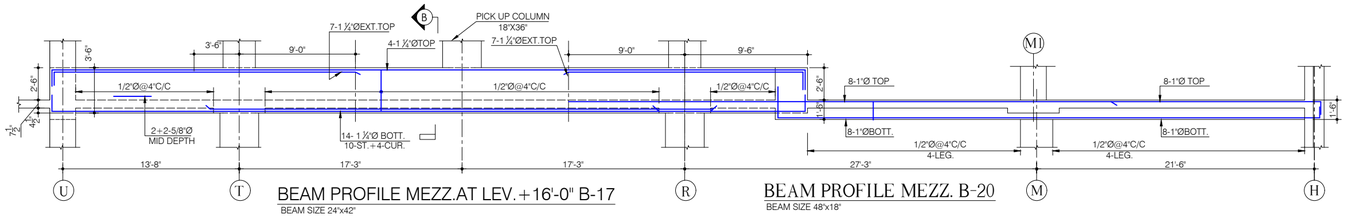


BEAM PROFILE MEZZ. B-17

BEAM SIZE 24"x42"

BEAM PROFILE MEZZ. B-18

BEAM SIZE 48"x18"

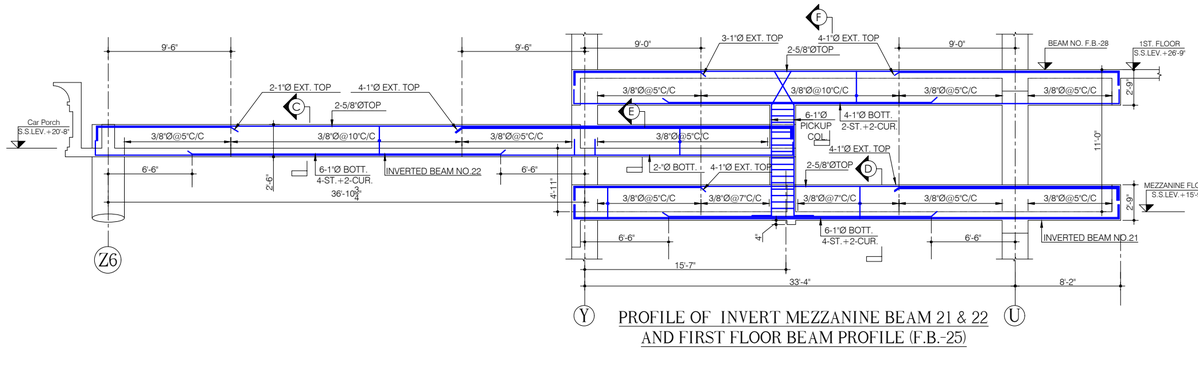


BEAM PROFILE MEZZ.AT LEV.+16'-0" B-17

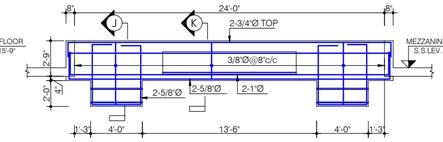
BEAM SIZE 24"x42"

BEAM PROFILE MEZZ. B-20

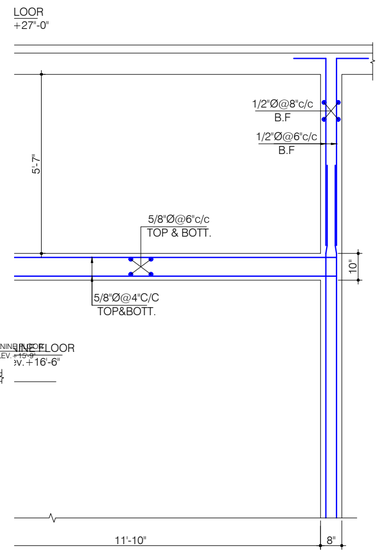
BEAM SIZE 48"x18"



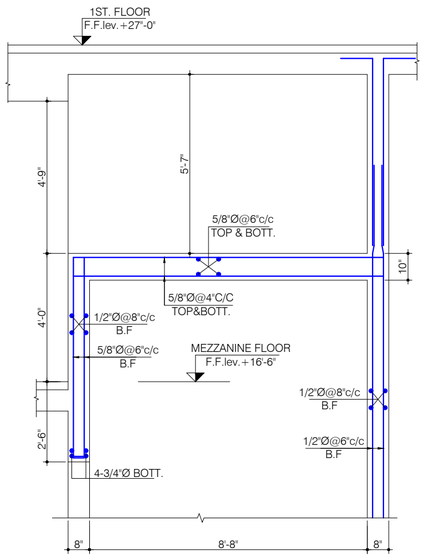
PROFILE OF INVERT MEZZANINE BEAM 21 & 22
AND FIRST FLOOR BEAM PROFILE (F.B.-25)



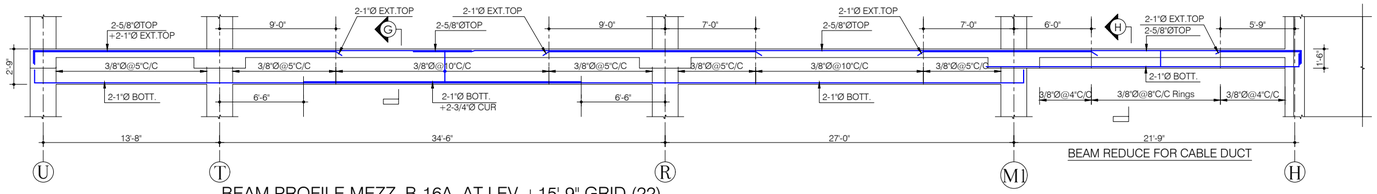
BEAM PROFILE MEZZ. B-23



N OF LIFT NO.(1)
ECTION 2-2
FER SEE SEC. DWG. S=12

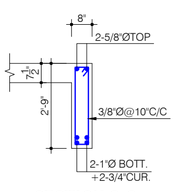


SECTION OF LIFT NO.(1)
SECTION 3-3
REFER SEE SEC. DWG. S=12

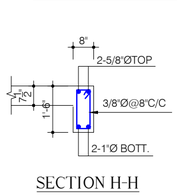


BEAM REDUCE FOR CABLE DUCT

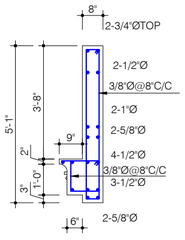
BEAM PROFILE MEZZ. B-16A AT LEV.+15'-9" GRID (22)



SECTION G-G



SECTION H-H



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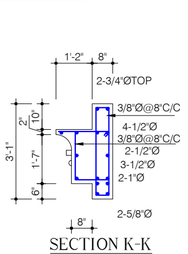

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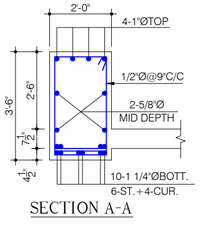
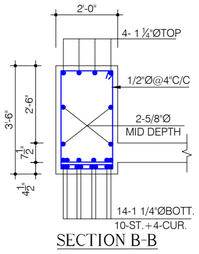
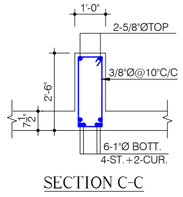


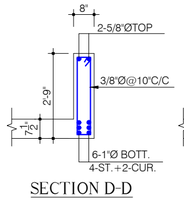
SECTION A-A



SECTION B-B



SECTION C-C



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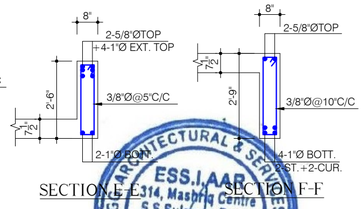
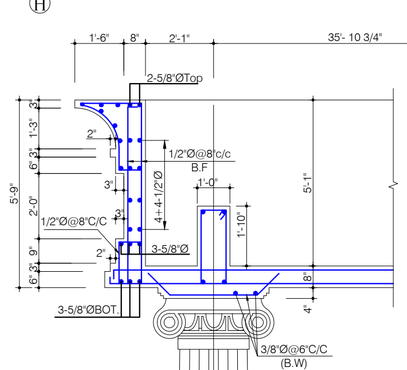


SECTION E-E & SECTION F-F



SECTION 1-1

REFER SEE SEC. DWG. S=12

TENDER DRAWING

STATE BANK OF PAKISTAN
ENGINEERING ARCHITECTURAL & SERVICES DEPARTMENT
ESS.I.AAR
PROJECT MANAGEMENT DIVISION
ESS.I.AAR
PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

Client: STATE BANK OF PAKISTAN

Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant: ESS -I- AAR

TITLE: BEAM PROFILE AND SECTIONS OF MEZZANINE FLOOR AT LEV.+16'-0"

DATE: 24-11-18

LOCATION :- E: \ STATE BANK P.C M.FARHAN

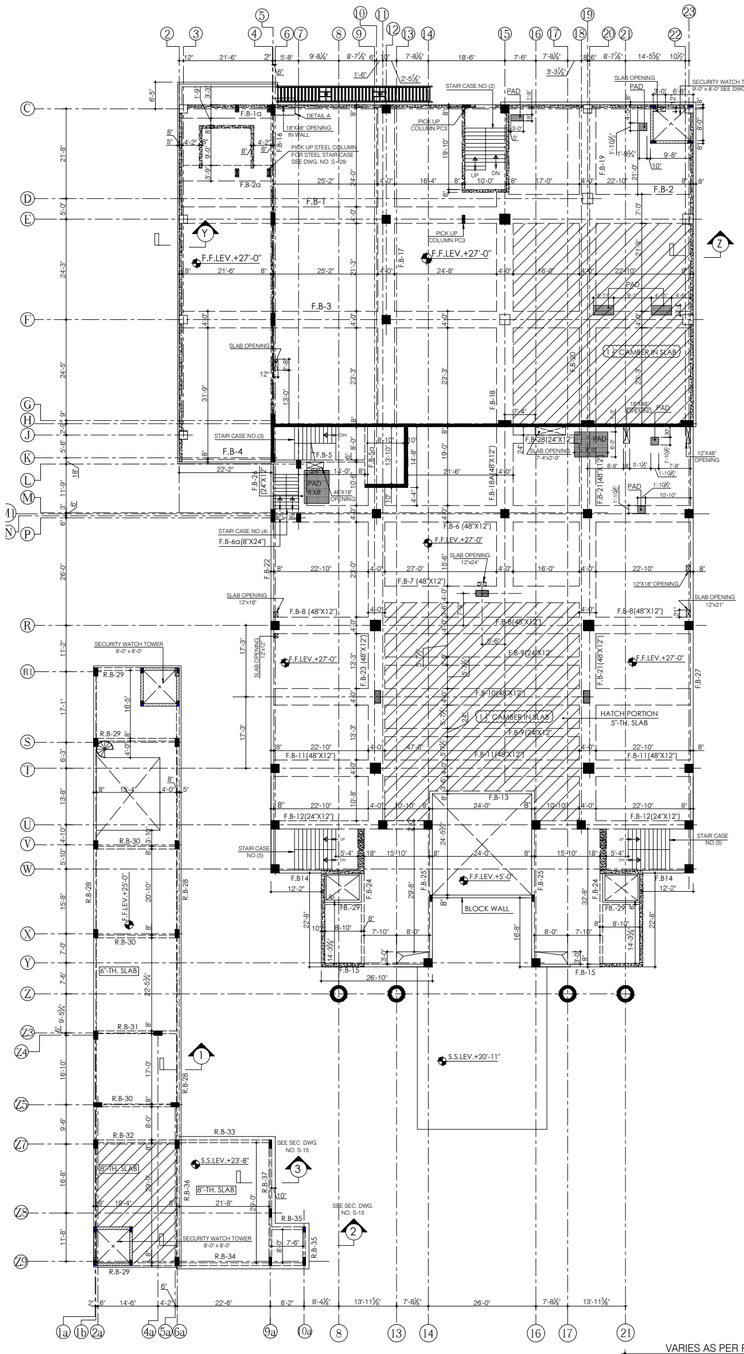
JOB REF. 886

MARK	REVISION	SIGN	DATE

REV-0

DRAWN: M.AKHTAR

SHEET REF. STR. **S=13**


F.B-1
F.B-2
F.B-2a
F.B-3
F.B-4
F.B-5
F.B-6a
F.B-7
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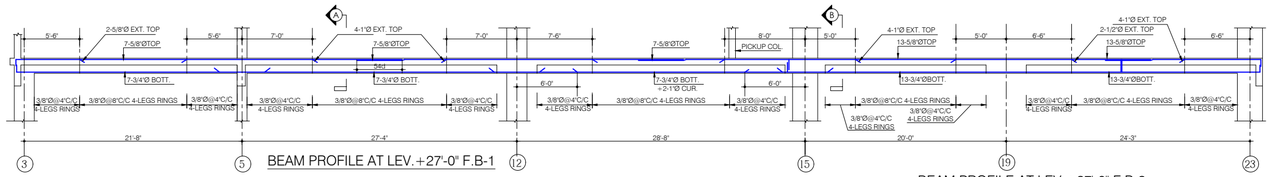
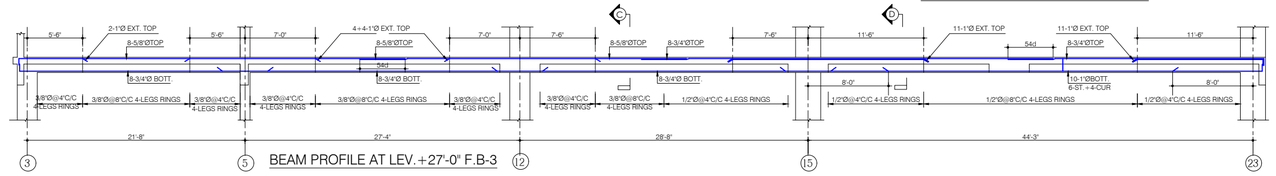
F.B-9
F.B-10
F.B-11
F.B-12
F.B-13
F.B-14
F.B-15
F.B-16
F.B-17
F.B-18
F.B-18A
F.B-19
F.B-20
F.B-21
F.B-22
F.B-23
F.B-24
F.B-25
F.B-26
F.B-27
F.B-28
F.B-29
R.B-29
R.B-30
R.B-31
R.B-32
R.B-33
R.B-34
R.B-35
R.B-36
R.B-37
F.F.LEV.+27'-0"
S.S.LEV.+20'-11"
S.S.LEV.+23'-8"
F.F.LEV.+5'-0"
BLOCK WALL
PICK UP COLUMN PC1
PICK UP STEEL COLUMN FOR STEEL STAIRCASE SEE DWG. NO. S-09
STAIR CASE NO.(2)
STAIR CASE NO.(3)
STAIR CASE NO.(4)
STAIR CASE NO.(5)
SECURITY WATCH TOWER S-1
SECURITY WATCH TOWER 8'-0" x 8'-0"
SLAB OPENING
HATCH PORTION 5"-TH. SLAB
6"-TH. SLAB
SEE SEC. DWG. NO. S-15
DETAIL A
18"X48" OPENING IN WALL
12"X48" OPENING
12"X18" OPENING
SLAB OPENING 12"x24"
SLAB OPENING 12"x16"
SLAB OPENING 12"x21"
SLAB OPENING 12"x16"
SLAB OPENING 12"x24"
SLAB OPENING 12"x16"
PAD 1'-10"
PAD 1'-11"
PAD 1'-9"
PAD 2'-0"
PAD 2'-3"
PAD 2'-6"
PAD 2'-9"
PAD 3'-0"
PAD 3'-3"
PAD 3'-6"
PAD 4'-0"
PAD 4'-3"
PAD 4'-6"
PAD 4'-9"
PAD 5'-0"
PAD 5'-3"
PAD 5'-6"
PAD 5'-9"
PAD 6'-0"
PAD 6'-3"
PAD 6'-6"
PAD 6'-9"
PAD 7'-0"
PAD 7'-3"
PAD 7'-6"
PAD 7'-9"
PAD 8'-0"
PAD 8'-3"
PAD 8'-6"
PAD 8'-9"
PAD

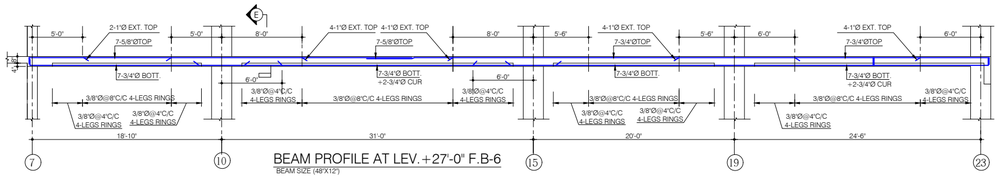


BEAM PROFILE AT LEV.+27'-0" F.B-1

BEAM PROFILE AT LEV.+27'-0" F.B-2

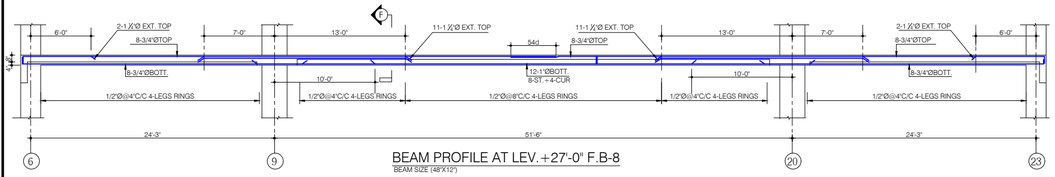


BEAM PROFILE AT LEV.+27'-0" F.B-3



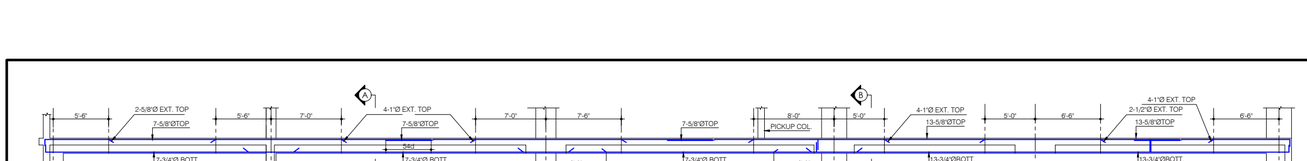
BEAM PROFILE AT LEV.+27'-0" F.B-6

BEAM SIZE (48"X12")



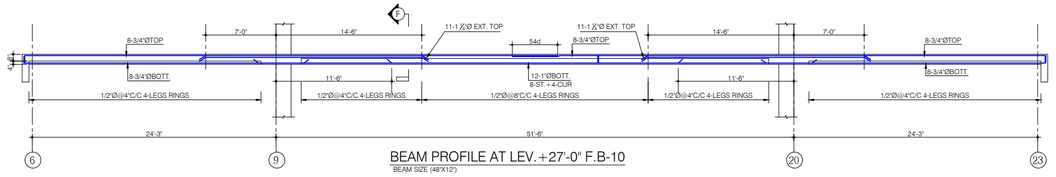
BEAM PROFILE AT LEV.+27'-0" F.B-8

BEAM SIZE (48"X12")



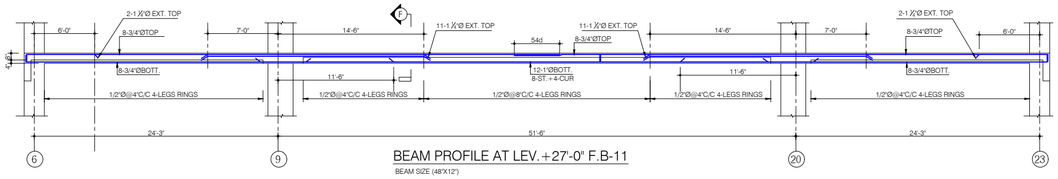
BEAM PROFILE AT LEV.+27'-0" F.B-9

BEAM SIZE (24"X12")



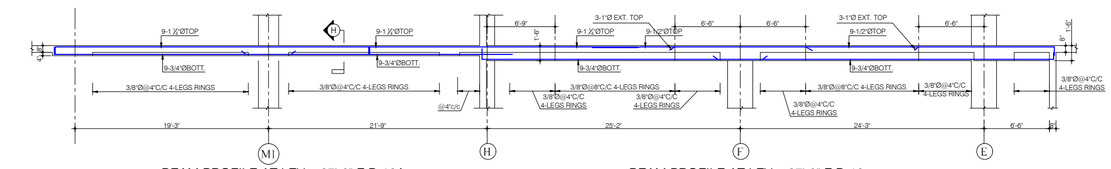
BEAM PROFILE AT LEV.+27'-0" F.B-10

BEAM SIZE (48"X12")



BEAM PROFILE AT LEV.+27'-0" F.B-11

BEAM SIZE (48"X12")

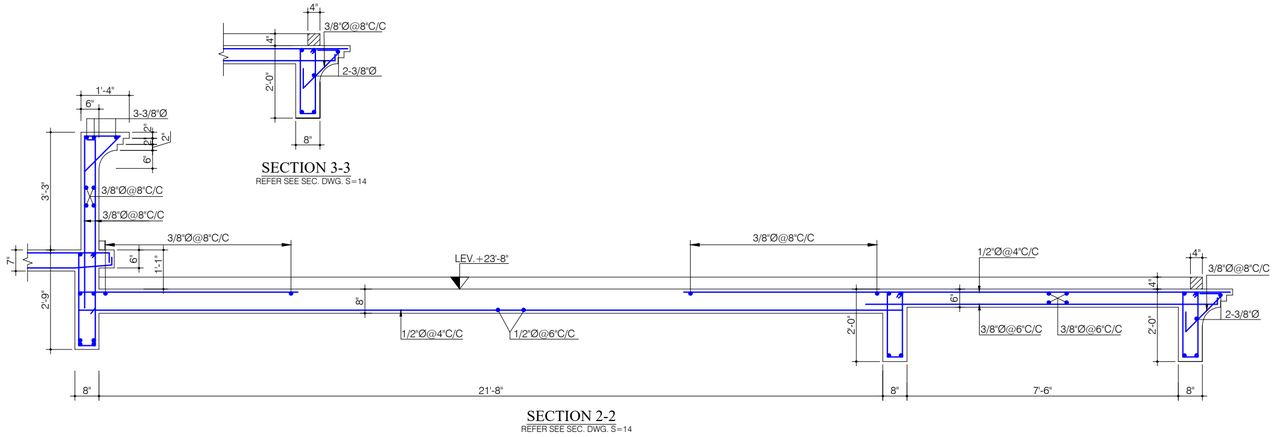


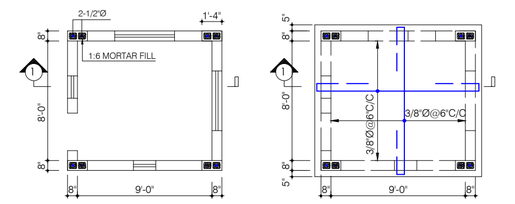
BEAM PROFILE AT LEV.+27'-0" F.B-18A

BEAM SIZE (48"X12")

BEAM PROFILE AT LEV.+27'-0" F.B-18

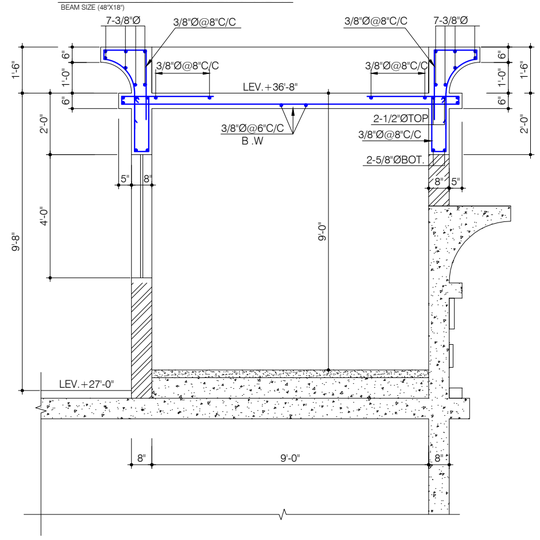
BEAM SIZE (48"X18")





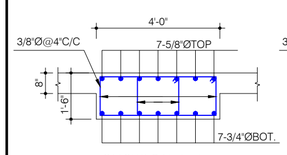
REINF.PLAN OF
SECURITY WATCH TOWER NO.1

6"-TH. ROOF SLAB OF
SECURITY WATCH TOWER NO.1

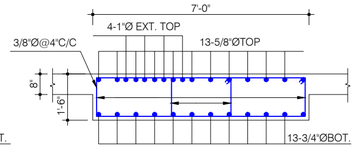


SECTION 1-1

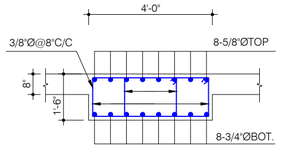
TENDER DRAWING



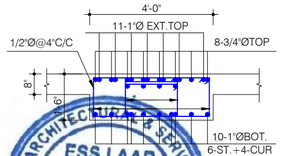
SECTION A-A



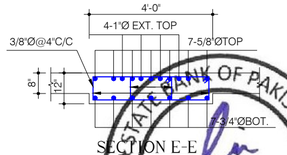
SECTION B-B



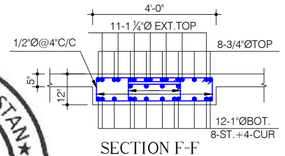
SECTION C-C



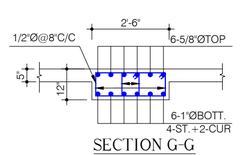
SECTION D-D



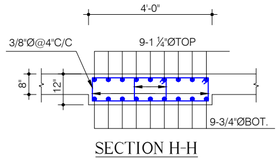
SECTION E-E



SECTION F-F



SECTION G-G



SECTION H-H

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

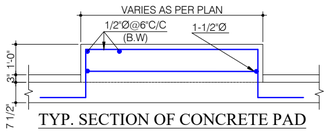
Consultant

ESS -I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO . 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

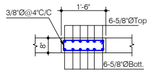
TITLE:	DATE:	LOCATION :-	JOB REF.
BEAM PROFILE AND SECTIONS OF 1ST.FLOOR BEAM AT LEV.+27'-0"	24-11-18	E: \ STATE BANK P.C M.FARHAN	886

MARK	REVISION	SIGN	DATE

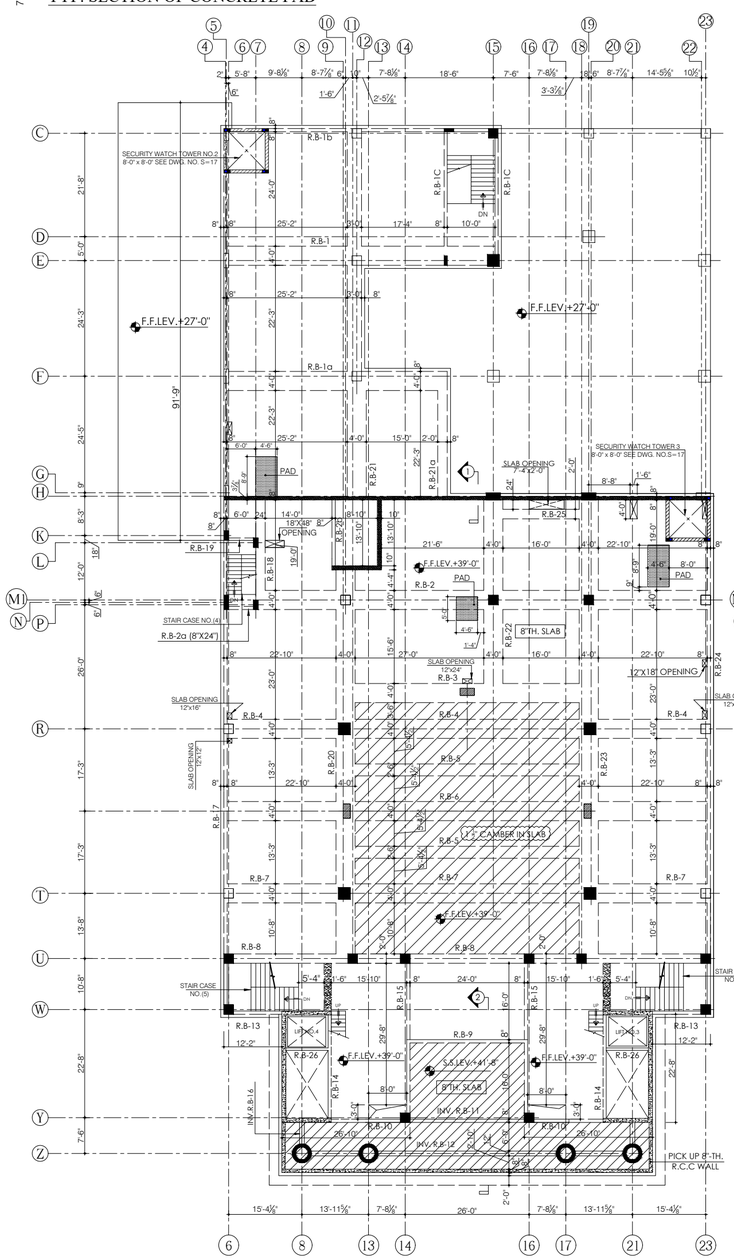
DRAWN:	SHEET REF.
M . AKHTAR	STR. **S=15**



TYP. SECTION OF CONCRETE PAD

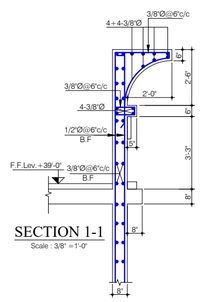


SECTION OF (C.B.1)
Scale : 3/8" = 1'-0"



ROOF BEAM FRAMING PLAN
F.F. LEV.+39'-0"
Scale : 1/16" =1'-0"

8" TH. ROOF SLAB REINF.PLAN
F.F. LEV.+ 39'-0"



SECTION 1-1
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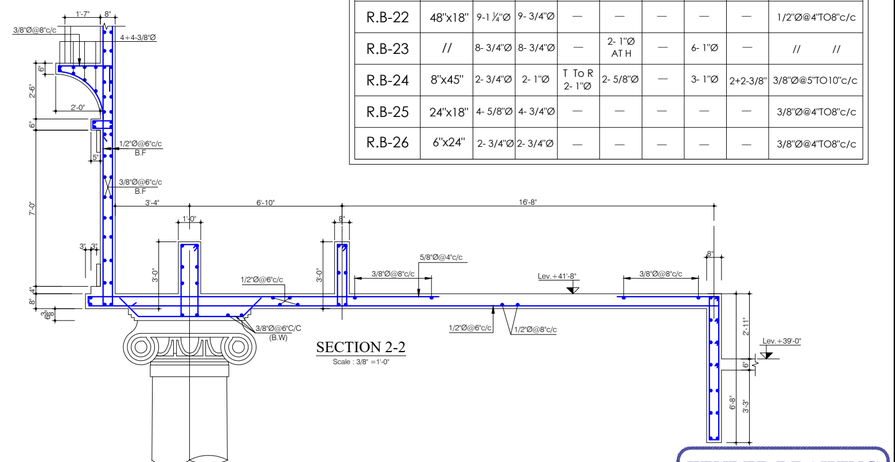

SECTION 2-2
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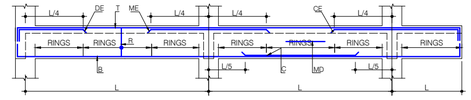


TYPICAL ROOF BEAM ELEVATION

SCHEDULE OF ROOF BEAM'S AT LEV. + 39'-0"

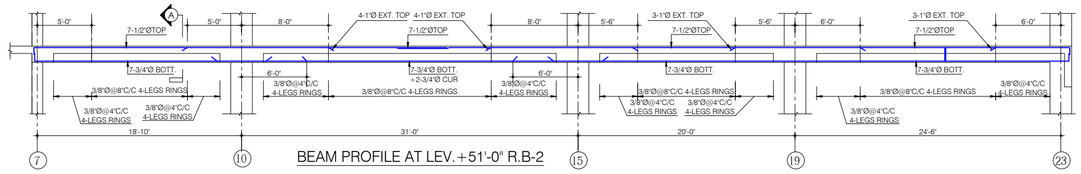
BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
R.B-1	48"x18"	8- 5/8"Ø	8-3/4"Ø	—	2- 1"Ø	—	4- 1"Ø	—	3/8"Ø@4"TO8"c/c
R.B-1a	48"x18"	8- 5/8"Ø	8-3/4"Ø	—	2- 1"Ø	—	4- 1"Ø	—	3/8"Ø@4"TO8"c/c
R.B-1b	8"x45"								
R.B-1C	8"x45"								
R.B-2	SEE PROFILE								
R.B-2a	8"x24"	2- 5/8"Ø	2- 5/8"Ø	—	—	—	—	—	3/8"Ø@6"c/c
R.B-2b	8"x45"	2- 3/4"Ø	2- 3/4"Ø	—	—	—	—	4+4- 1/2"Ø	3/8"Ø@6"c/c
R.B-3	48"x18"	7- 5/8"Ø	7- 3/4"Ø	15 To 19 3- 1"Ø	2- 3/4"Ø	—	4- 1"Ø	—	3/8"Ø@4"TO8"c/c
R.B-4	SEE PROFILE								
R.B-5	SEE PROFILE								
R.B-6	SEE PROFILE								
R.B-7	SEE PROFILE								
R.B-8	24"x18"	6- 5/8"Ø	6- 3/4"Ø	—	3- 1"Ø	—	4- 1"Ø	—	3/8"Ø@4"TO8"c/c
R.B-9	8"x80"	2- 3/4"Ø	2- 1"Ø	—	—	—	—	1/2"Ø @8"c/c	3/8"Ø@8"c/c
R.B-10 See Dwg S-21	8"x40"	2- 1"Ø	2- 1"Ø	—	—	—	—	2+2-3/8"	3/8"Ø@5"TO10"c/c
INV.R.B-11 See Dwg S-21	8"x36"	2- 5/8"Ø	2- 1"Ø	—	2- 1"Ø	—	—	—	3/8"Ø@5"TO10"c/c
INV.R.B-12	12"x36"	//	//	2- 1"Ø 13 to 17	2- 5/8"Ø	—	2- 1"Ø	—	3/8"Ø@5"TO10"c/c
R.B-13	8"x45"	3- 3/4"Ø	3- 3/4"Ø	—	—	—	—	2+2-3/8"	3/8"Ø@5"TO10"c/c
R.B-14	SEE . SECTION A-A, DWG S-21								
R.B-15	8"x45"	2- 3/4"Ø	2- 1"Ø	2- 1"Ø	4- 1"Ø	—	2+2-3/8"	2+2-3/8"	3/8"Ø@5"TO10"c/c
INV.R.B-16	12"x36"	4- 3/4"Ø	4- 3/4"Ø	—	—	—	—	—	3/8"Ø@5"TO10"c/c
R.B-17	8"x45"	2- 3/4"Ø	2- 1"Ø	T To R 2- 1"Ø	2- 1"Ø	—	3- 1"Ø	2+2-3/8"	3/8"Ø@5"TO10"c/c
R.B-18	24"x18"	4- 5/8"Ø	4- 5/8"Ø	—	—	—	—	—	3/8"Ø@4"TO8"c/c
R.B-19	8"x24"	2- 5/8"Ø	2- 5/8"Ø	—	—	—	—	—	3/8"Ø@5"TO10"c/c
R.B-20	48"x18"	8- 3/4"Ø	8- 3/4"Ø	—	—	—	6- 1"Ø	—	3/8"Ø@4"TO8"c/c
R.B-21	48"x18"	7- 5/8"Ø	7-3/4"Ø	—	4-1"Ø	—	—	—	3/8"Ø@4"TO8"c/c
R.B-21a									
R.B-22	48"x18"	9-1 ½"Ø	9- 3/4"Ø	—	—	—	—	—	1/2"Ø@4"TO8"c/c
R.B-23	//	8- 3/4"Ø	8- 3/4"Ø	—	2- 1"Ø AT H	—	6- 1"Ø	—	// //
R.B-24	8"x45"	2- 3/4"Ø	2- 1"Ø	T To R 2- 1"Ø	2- 5/8"Ø	—	3- 1"Ø	2+2-3/8"	3/8"Ø@5"TO10"c/c
R.B-25	24"x18"	4- 5/8"Ø	4- 3/4"Ø	—	—	—	—	—	3/8"Ø@4"TO8"c/c
R.B-26	6"x24"	2- 3/4"Ø	2- 3/4"Ø	—	—	—	—	—	3/8"Ø@4"TO8"c/c

TENDER DRAWING

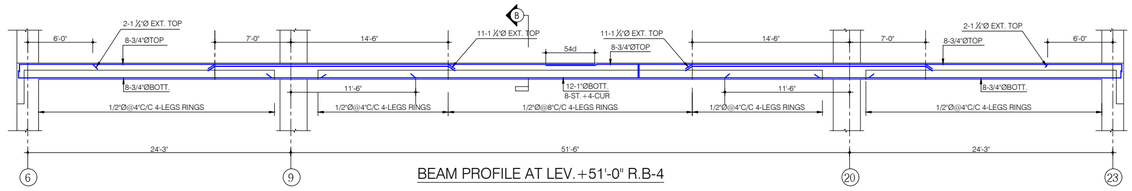
ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S. Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION

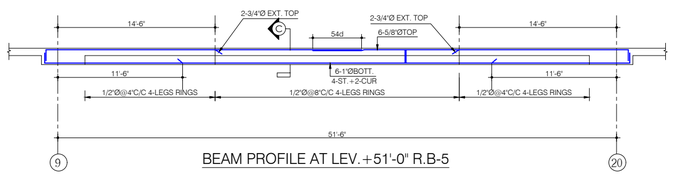
Client	STATE BANK OF PAKISTAN
Job	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**
Consultant	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608
TITLE:	8"-TH. ROOF REINF. AND BEAM FRAMING PLAN AT LEV.+39'-0"
DATE:	24-11-18
LOCATION :-	E:\ STATE BANK P.C M.FARHAN
JOB REF.	886
REVISION	MARK / REVISION / SIGN / DATE
DRAWN:	M.AKHTAR
SHEET REF.	STR.
	S=16



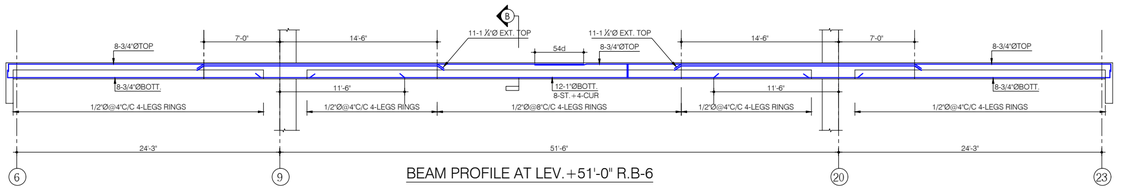
BEAM PROFILE AT LEV.+51'-0" R.B-2



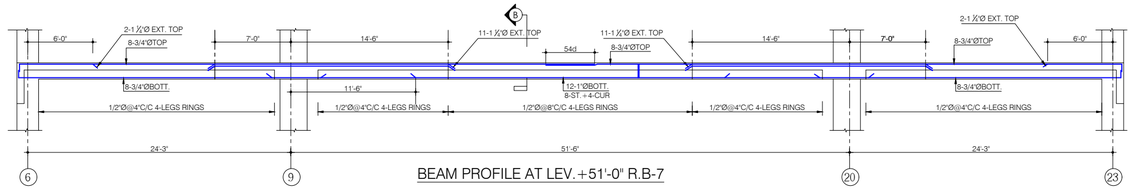
BEAM PROFILE AT LEV.+51'-0" R.B-4



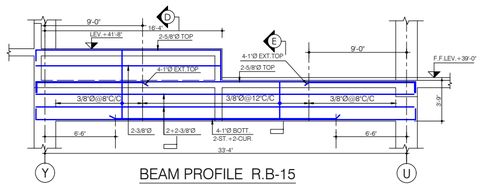
BEAM PROFILE AT LEV.+51'-0" R.B-5



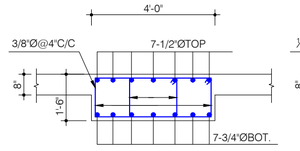
BEAM PROFILE AT LEV.+51'-0" R.B-6



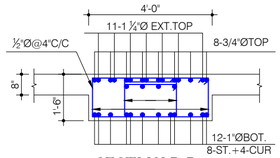
BEAM PROFILE AT LEV.+51'-0" R.B-7



BEAM PROFILE R.B-15



SECTION A-A



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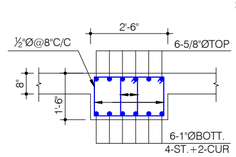

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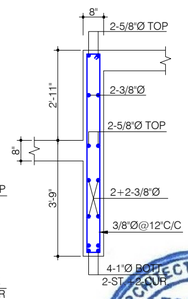

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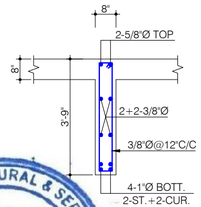
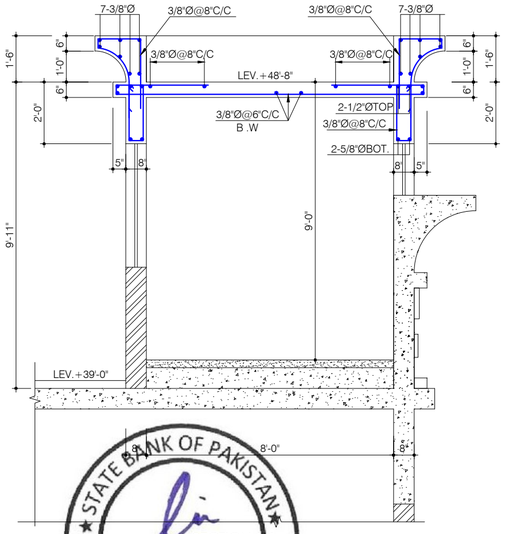
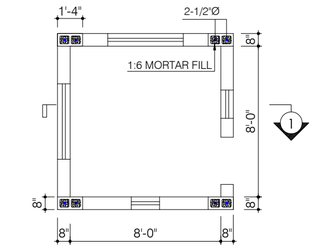
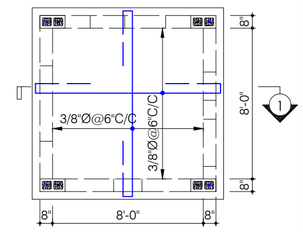


SECTION E-E

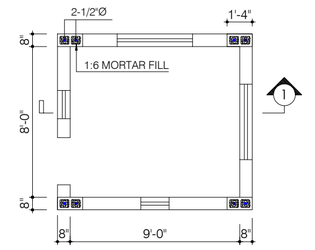




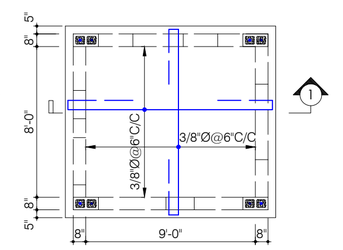
REINF.PLAN OF
SECURITY WATCH TOWER NO.2



6"-TH. ROOF SLAB OF
SECURITY WATCH TOWER NO.2



REINF.PLAN OF
SECURITY WATCH TOWER NO.3



6"-TH. ROOF SLAB OF
SECURITY WATCH TOWER NO.3

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

FSS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal,
Karachi.

PROJECT MANAGEMENT DIVISION

ESS -I- AAR
PLANNING ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

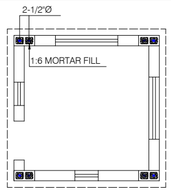
TITLE:	DATE:	LOCATION :-	JOB REF.
PROFILE AND SECTIONS OF ROOF BEAM AT LEV.+51'-0"	24-11-18	E: \ STATE BANK P.C M.FARHAN	886

MARK	REVISION	SIGN	DATE

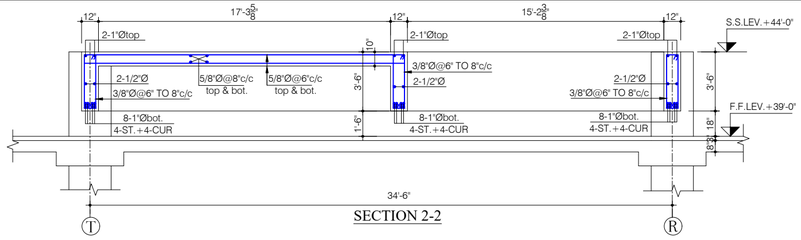
REV-0

DRAWN: M. AKHTAR

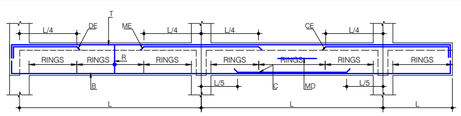
SHEET REF. STR. **S=17**



REINF.PLAN OF
SECURITY WATCH TOWER

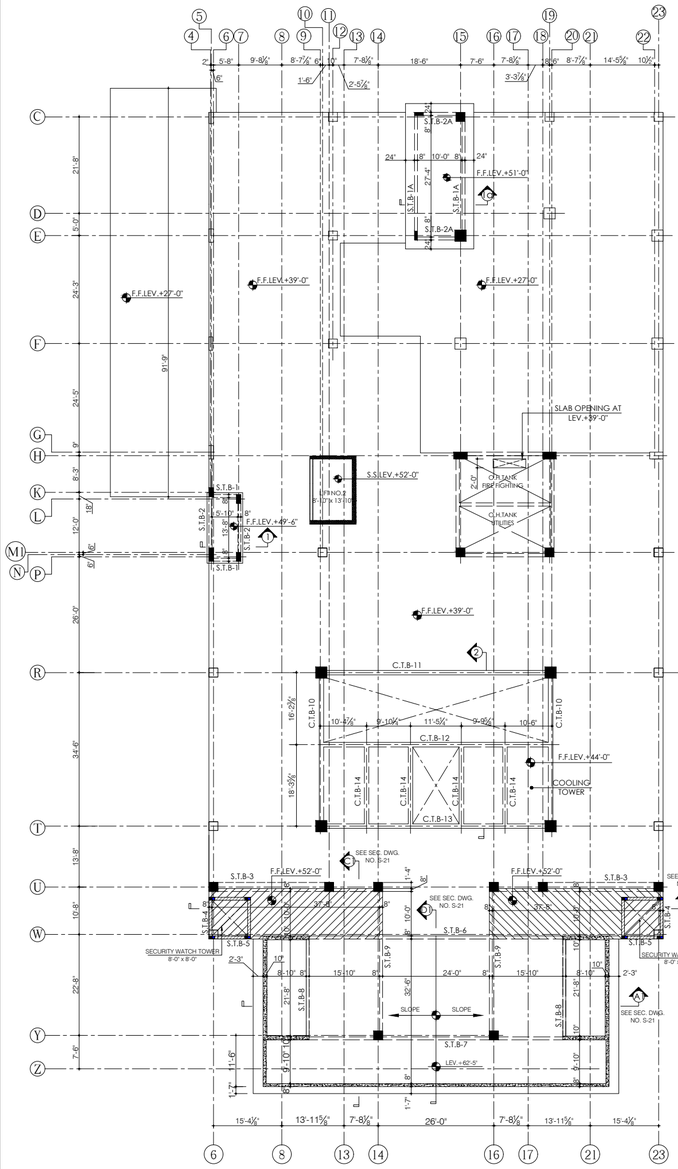


SECTION 2-2



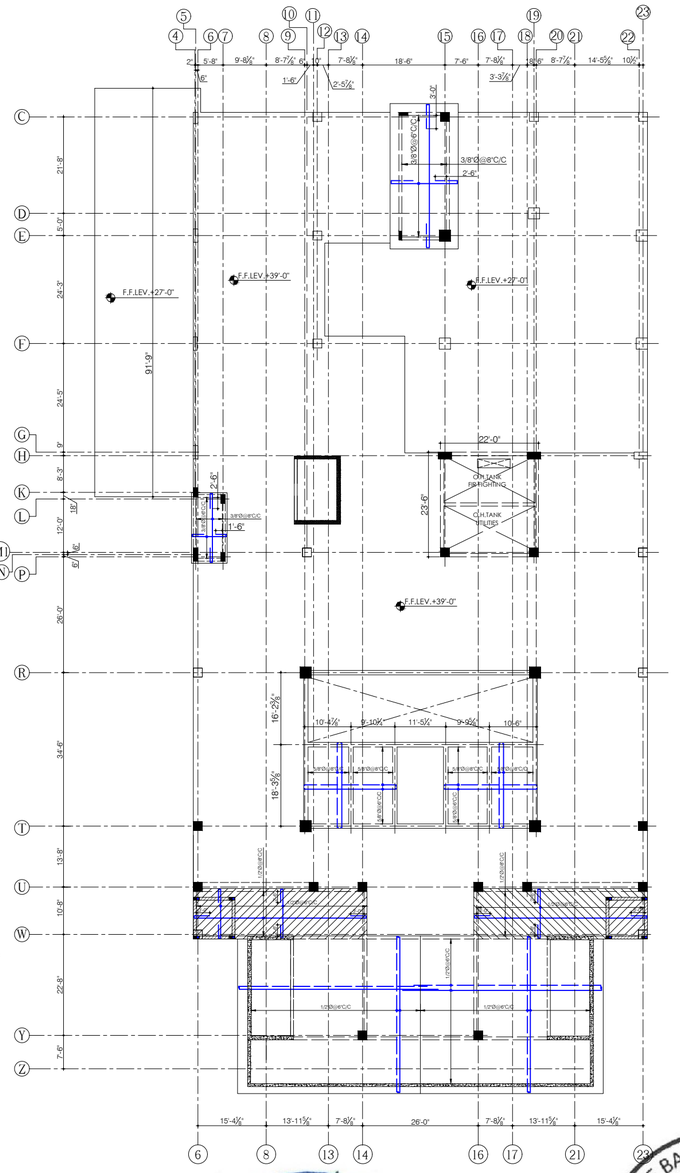
TYPICAL STAIR CASE TOWER BEAM ELEVATION

SCHEDULE OF STAIRCASE TOWER ROOF BEAM'S									
BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
S.T.B-1A	8"x36"	2-5/8"Ø	2-1"Ø	-	2-5/8"Ø	-	-	2-3/8"Ø	3/8"Ø@5"TO10"C/C
S.T.B-2A	//	2-3/4"Ø	**2-3/4"Ø**	-	-	-	-	2-3/8"Ø	// //
S.T.B-1	8"x54"	2-3/4"Ø	2-3/4"Ø	-	-	-	-	2-3/8"Ø	3/8"Ø@5"TO10"C/C
S.T.B-2	8"x54"	2-3/4"Ø	2-3/4"Ø	-	-	-	-	2-3/8"Ø	// //
S.T.B-3	8"x24"	2-5/8"Ø	2-3/4"Ø	-	2-5/8"Ø	-	2-5/8"Ø	-	// //
S.T.B-4	8"x36"	2-3/4"Ø	2-3/4"Ø	-	-	-	-	2-3/8"Ø	
S.T.B-5	//	2-3/4"Ø	2-3/4"Ø	-	-	-	-	-	// //
S.T.B-6	SEE PROFILE								
S.T.B-7	SEE PROFILE								
S.T.B-8	8"X46"	2-3/4"Ø	2-1"Ø	-	-	-	-	2-3/8"Ø	3/8"Ø@5"TO10"C/C
S.T.B-9	SEE PROFILE								
C.T.B-10	12"x42"	2-1"Ø	2-1"Ø	2-1"Ø	2-1"Ø	-	-	2-1/2"Ø	3/8"Ø@4"TO8"C/C
C.T.B-11	12"x42"	2-1"Ø	4-1"Ø	4-1"Ø	4-1"Ø	-	-	2-1/2"Ø	3/8"Ø@4"TO8"C/C
C.T.B-12	12"x42"	2-1"Ø	4-1"Ø	4-1"Ø	2-1"Ø	-	-	2-1/2"Ø	// //
C.T.B-13	12"x42"	2-1"Ø	4-1"Ø	4-1"Ø	4-1"Ø	-	-	2-1/2"Ø	// //
C.T.B-14	12"x36"	3-3/4"Ø	3-1"Ø	-	-	-	-	2-1/2"Ø	// //



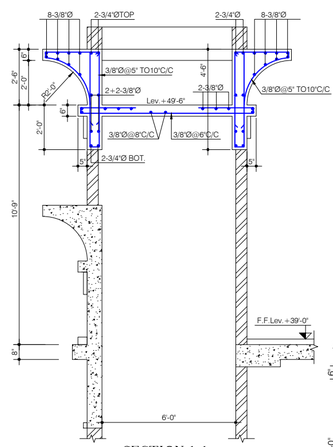
STAIR CASE TOWER ROOF FRAMING PLAN
AT LEV.+ F.F. LEV.+52'-0"

Scale : 1/16" =1'-0"

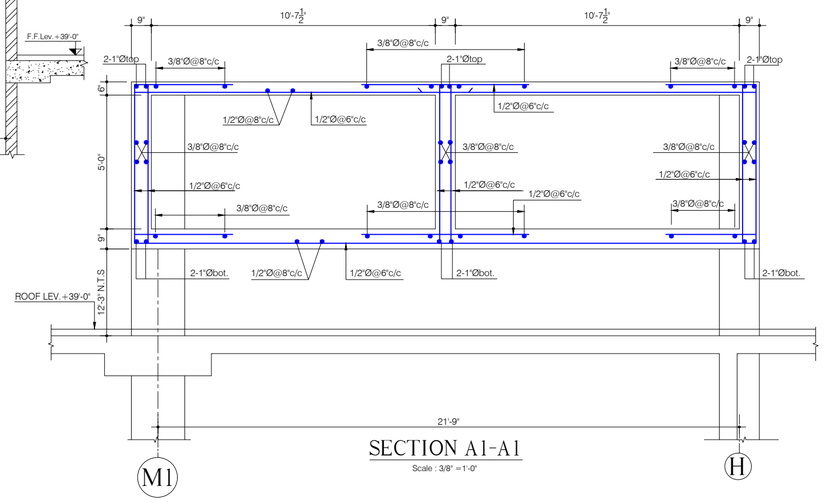


6"-TH STAIR CASE TOWER ROOF FRAMING PLAN
AT LEV.+ F.F. LEV.+52'-0"

Scale : 1/16" =1'-0"

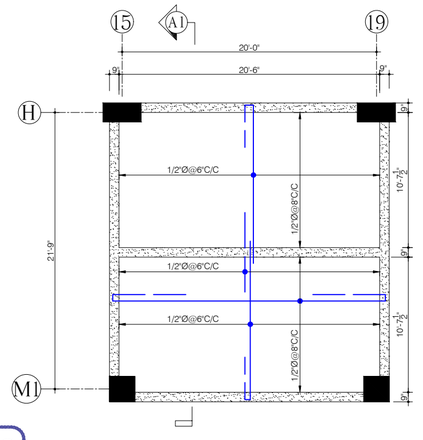


SECTION 1-1



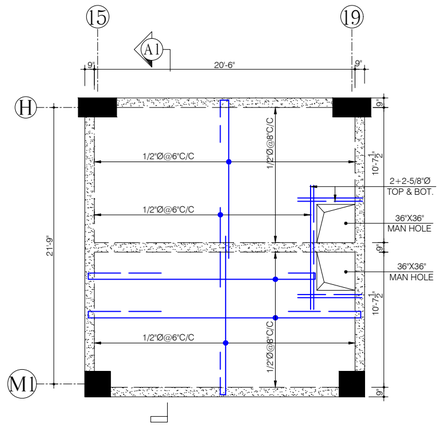
SECTION A1-A1

Scale : 3/8" =1'-0"



9" TH. BOTT. SLAB OF O.H.TANK REINF.

Scale : 3/16" =1'-0"



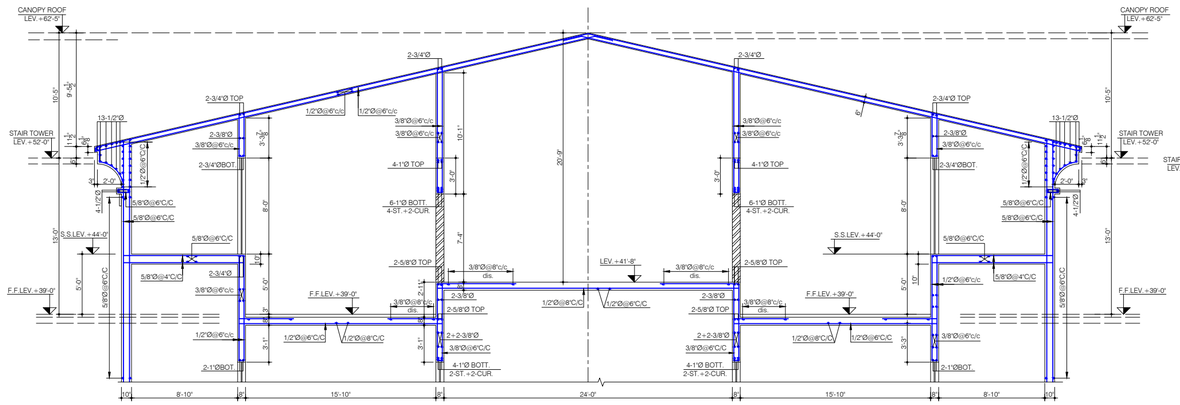
6" TH. TOP SLAB OF O.H.TANK REINF.

ESS.I.AAR
314, Mashriq Centre
S.S.Sulaiman Road,
Gulshan-e-Iqbal
Karachi
ENGG. ARCHITECTS & SERVICES CONSULTANTS

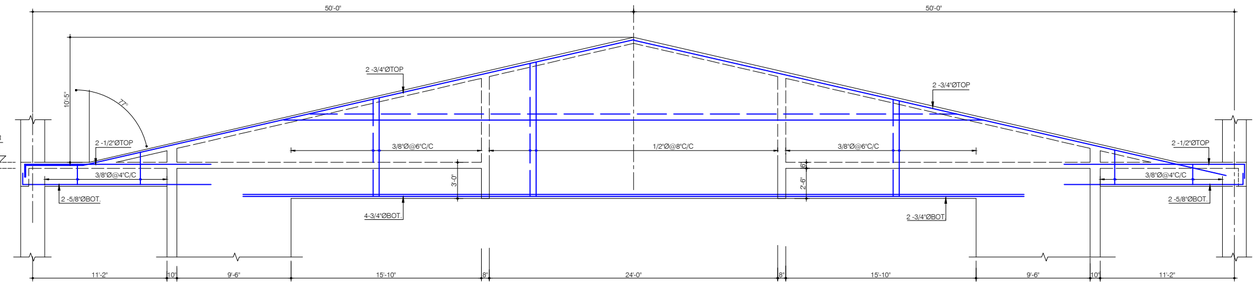
STATE BANK OF PAKISTAN
ENGINEERING DEPARTMENT
TENDER DRAWING
PROJECT MANAGEMENT DIVISION

Client	Job	Consultant	TITLE: 6"-TH. STAIR CASE TOWER ROOF FRAMING PLAN AT LEV.+52'-0" AND O.H. TANK & COOLING TOWER DETAILS
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	DATE: 24-11-18 LOCATION :- E:\STATE BANK P.C M.FARHAN JOB REF. 886 DRAWN: M.AKHTAR SHEET REF. STR. **S=18**

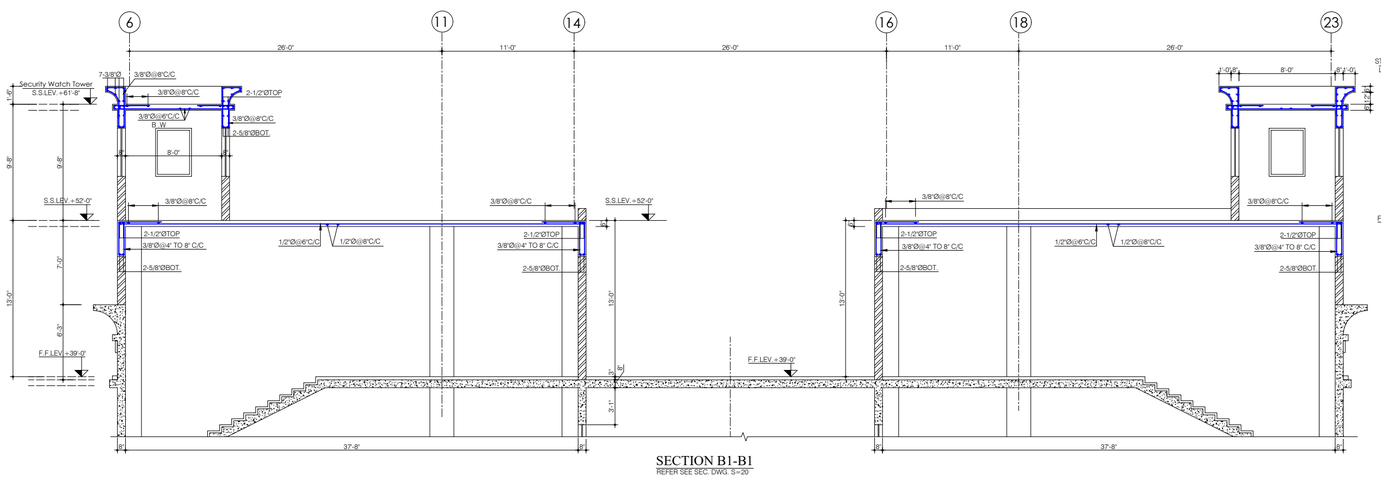
MARK	REVISION	SIGN	DATE



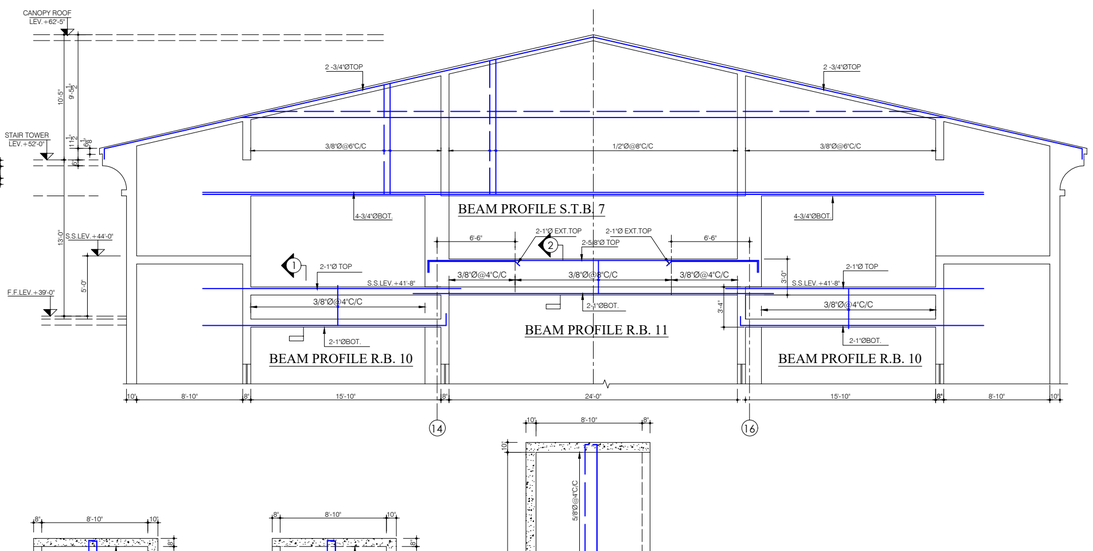
SECTION A1-A1
REFER SEE SEC. DWG. S-20



BEAM PROFILE S.T.B. 6



SECTION B1-B1
REFER SEE SEC. DWG. S-20

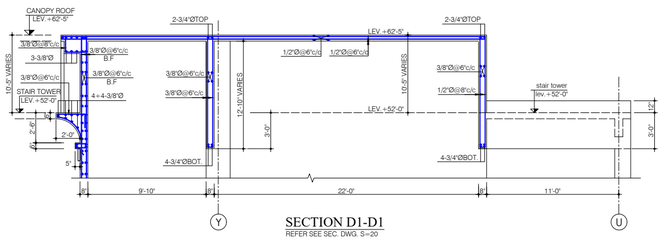


BEAM PROFILE S.T.B. 7

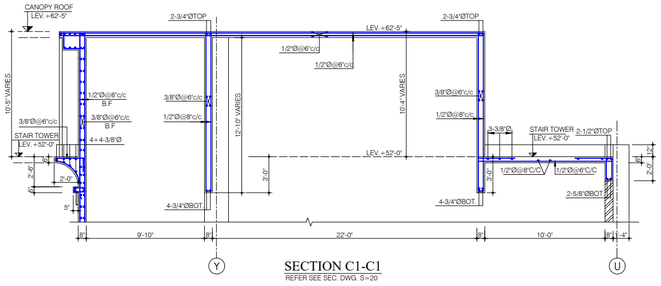
BEAM PROFILE R.B. 10

BEAM PROFILE R.B. 11

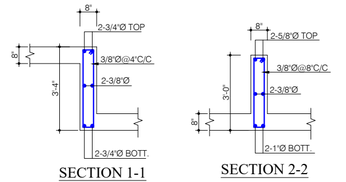
BEAM PROFILE R.B. 10



SECTION D1-D1
REFER SEE SEC. DWG. S-20

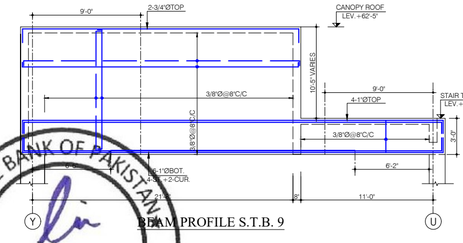


SECTION C1-C1
REFER SEE SEC. DWG. S-20

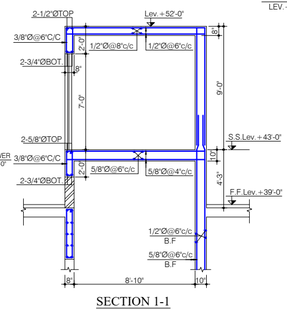


SECTION 1-1

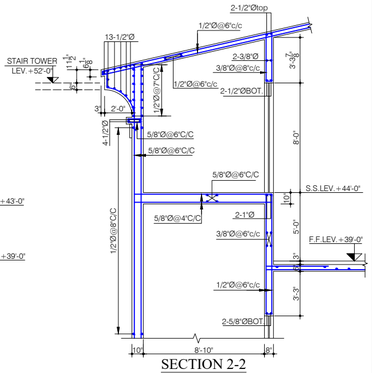
SECTION 2-2



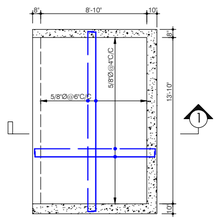
BEAM PROFILE S.T.B. 9



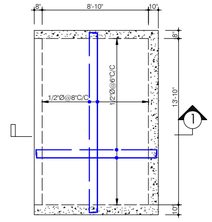
SECTION 1-1



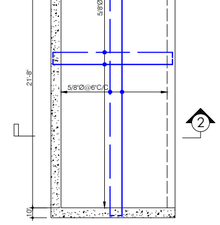
SECTION 2-2



10"-TH. LIFT NO. (2)
MACHINE ROOM BOTT. SLAB REINF.
AT LEV. +43'-0"



8"-TH. LIFT NO. (2)
MACHINE ROOM TOP SLAB REINF.
AT LEV. +52'-0"



10"-TH. LIFT NO. (3,4)
MACHINE ROOM BOTT. SLAB REINF.
AT LEV. +44'-0"

TENDER DRAWING

ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
PEC HOK

STATE BANK OF PAKISTAN
ENGINEERING DIVISION
PROJECT MANAGEMENT

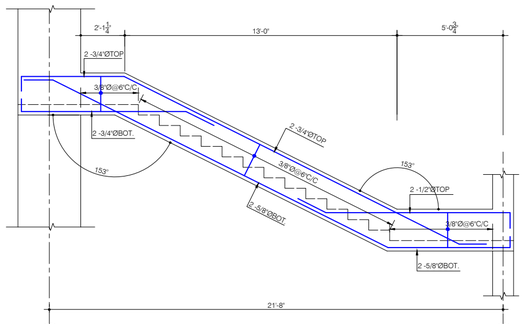
Client	Job	Consultant	TITLE: ROOF BEAM PROFILE ,SECTIONS AT LEV. +64'-0" AND LIFT MACHINE ROOM DETAILS
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO . 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	DATE: 24-11-18
			LOCATION :- E: \ STATE BANK P.C M.FARHAN
			JOB REF. 886

MARK	REVISION	SIGN	DATE

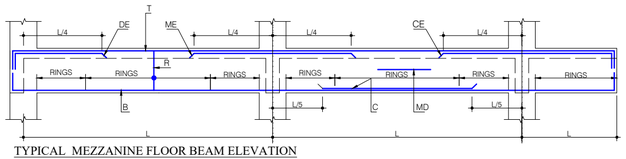
DRAWN: M . AKHTAR

SHEET REF. STR.

S=19

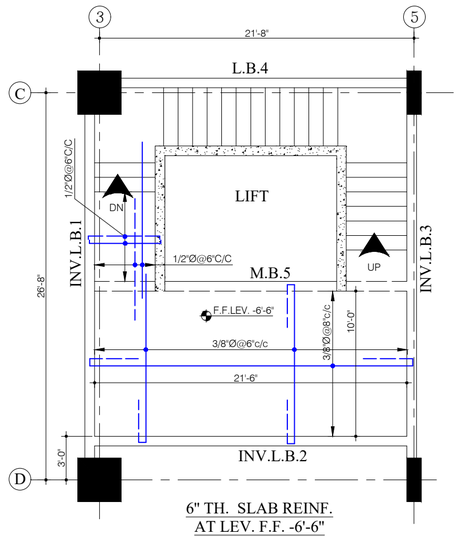


BEAM PROFILE (L.B.4) AND LANDING BEAM

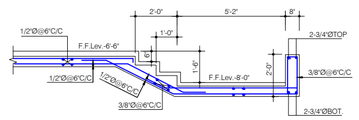


TYPICAL MEZZANINE FLOOR BEAM ELEVATION

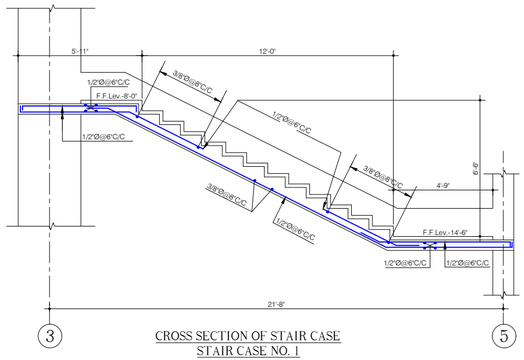
SCHEDULE OF MEZZANINE FLOOR BEAM'S AT F.F LEV.-6'-6"									
BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
INV.L.B.1	8"x30"	2-1/2"Ø	2-3/4"Ø	2-3/4"Ø	2-5/8"Ø	-	1	-	3/8"Ø@7"TO10"C/C
INV.L.B.2	8"x30"	//	//	//	-	-	2-3/8"Ø	-	// //
INV.L.B.3	8"x30"	//	//	//	2-5/8"Ø	-	-	-	// //
INV.L.B.4	SEE PROFILE								
INV.L.B.5	8"x24"	2-3/4"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"C/C



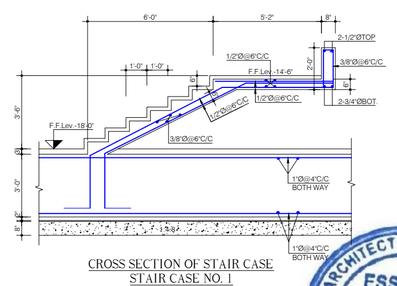
6" TH. SLAB REINF.
AT LEV. F.F. -6'-6"
STAIR CASE NO. 1



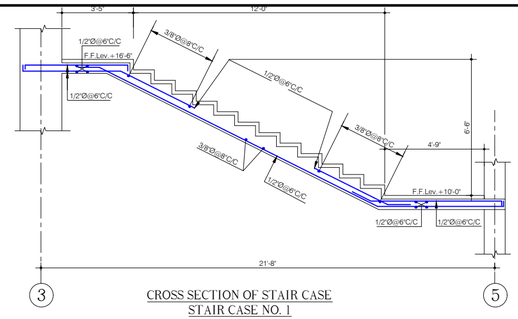
CROSS SECTION OF STAIR CASE
STAIR CASE NO. 1



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 1



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 1



CROSS SECTION OF STAIR CASE
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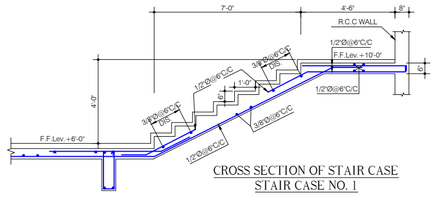

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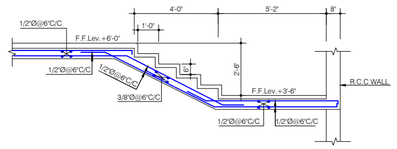

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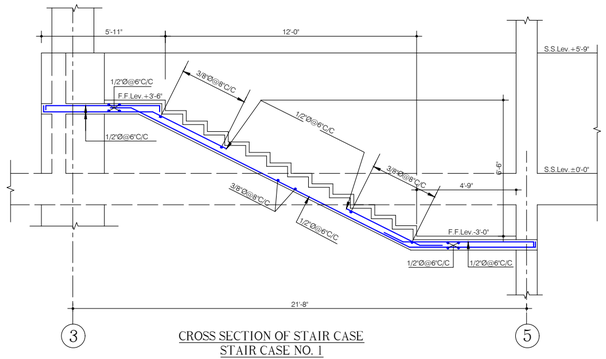
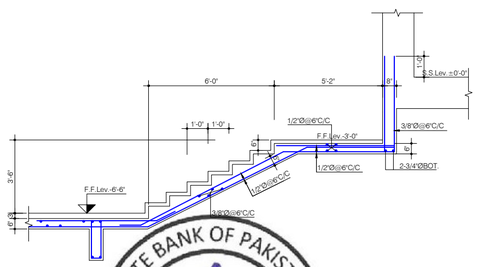
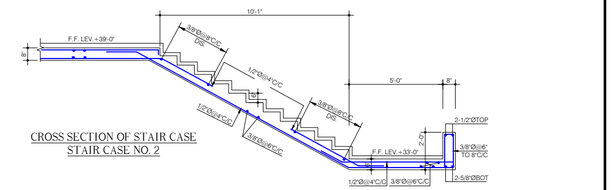


CROSS SECTION OF STAIR CASE
STAIR CASE NO. 1



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 1



CROSS SECTION OF STAIR CASE
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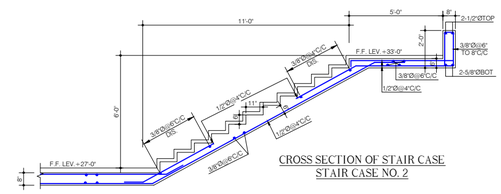

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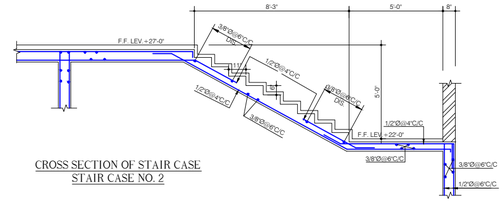
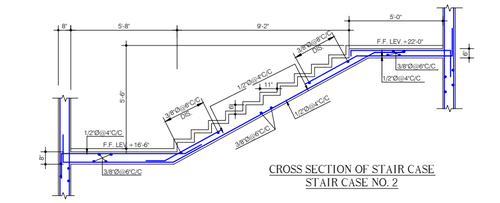
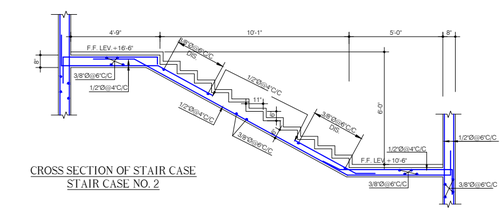


CROSS SECTION OF STAIR CASE
STAIR CASE NO. 2



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 2



CROSS SECTION OF STAIR CASE
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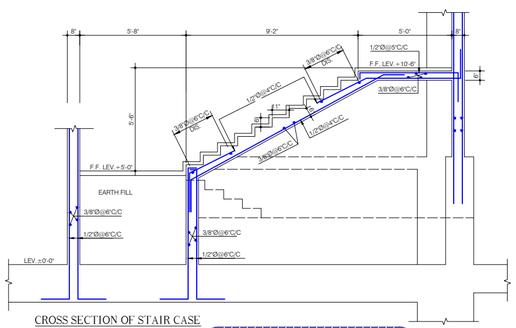


CROSS SECTION OF STAIR CASE
STAIR CASE NO. 2

TENDER DRAWING

ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
ARCHITECTURAL & SERVICES CONSULTANTS
ENGINEERING DEPARTMENT

STATE BANK OF PAKISTAN
BANKING INSPECTION DEPARTMENT

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

PROJECT MANAGEMENT VISUAL — ESS -I- AAR

PLANNING / ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

TITLE: CROSS SECTION OF STAIR CASE NO.(1 AND 2)

DATE: 24-11-18

LOCATION :- E: \ STATE BANK P.C M.FARHAN

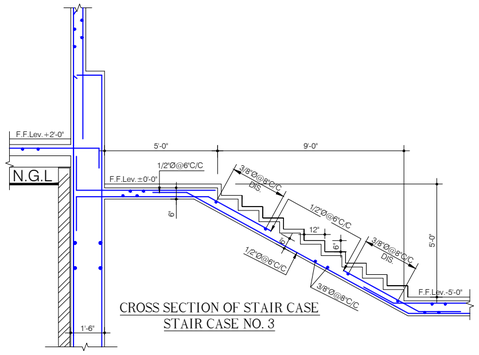
JOB REF. 886

MARK	REVISION	SIGN	DATE

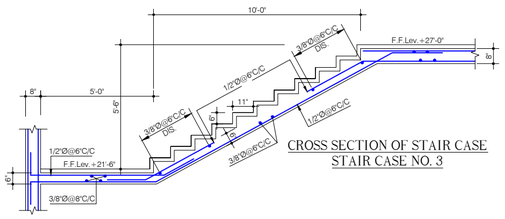
DRAWN: M.AKHTAR

SHEET REF. STR.

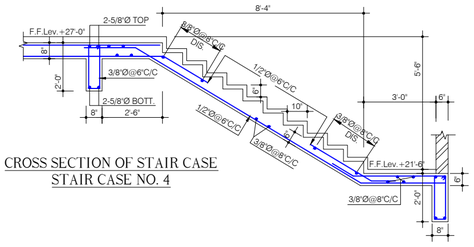
S=20



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 3



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 3



CROSS SECTION OF STAIR CASE
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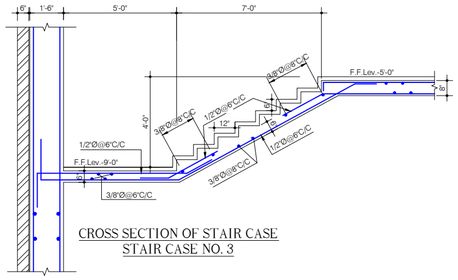

CROSS SECTION OF STAIR CASE
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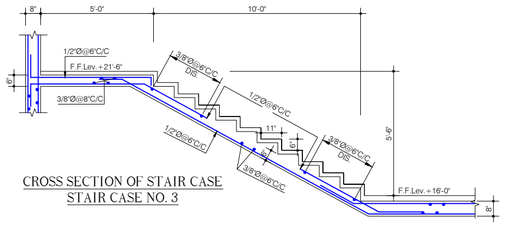
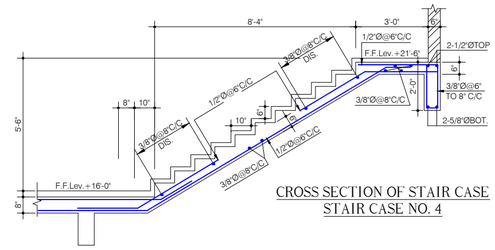


CROSS SECTION OF STAIR CASE
STAIR CASE NO. 3



CROSS SECTION OF STAIR CASE
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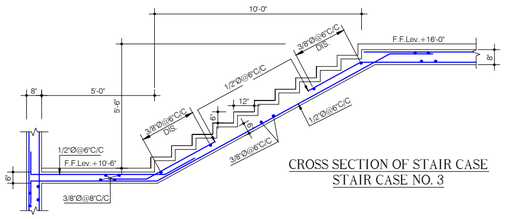

CROSS SECTION OF STAIR CASE
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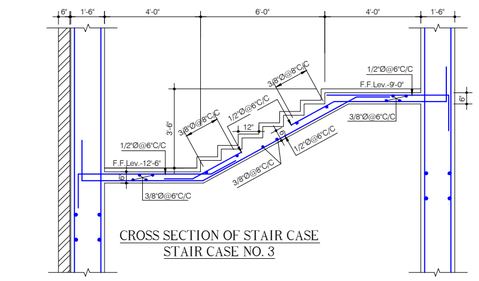

CROSS SECTION OF STAIR CASE
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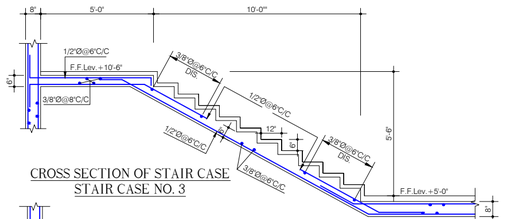
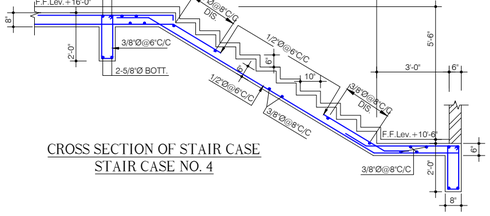
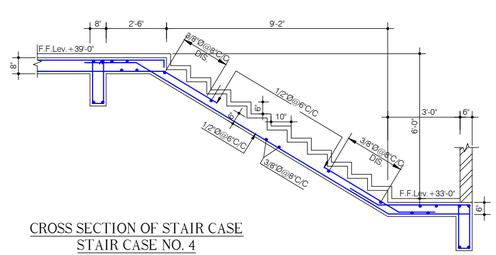


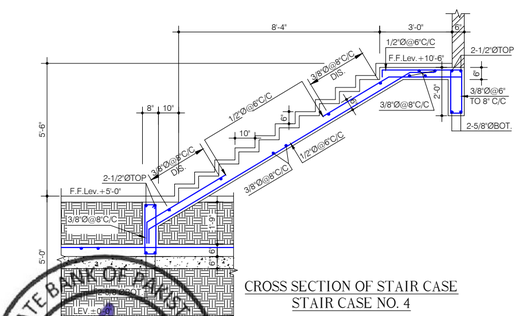
CROSS SECTION OF STAIR CASE
STAIR CASE NO. 3



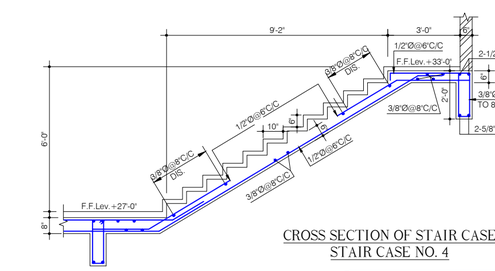
CROSS SECTION OF STAIR CASE
STAIR CASE NO. 4



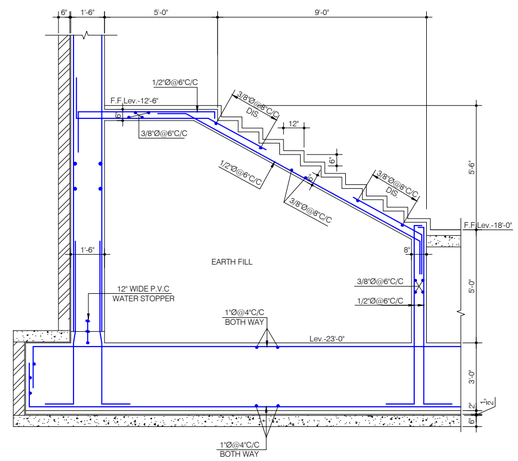
CROSS SECTION OF STAIR CASE
STAIR CASE NO. 4



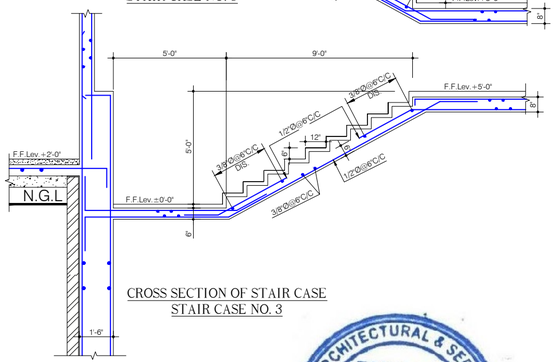
CROSS SECTION OF STAIR CASE
STAIR CASE NO. 4



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 4



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 3



CROSS SECTION OF STAIR CASE
STAIR CASE NO. 3

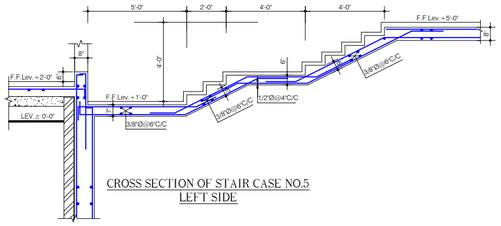
TENDER DRAWING

Client	Job	Consultant	TITLE:	DATE:	LOCATION :-	JOB REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	CROSS SECTION OF STAIR CASE NO.(3 AND 4)	24-11-18	E:\ STATE BANK P.C M.FARHAN	886

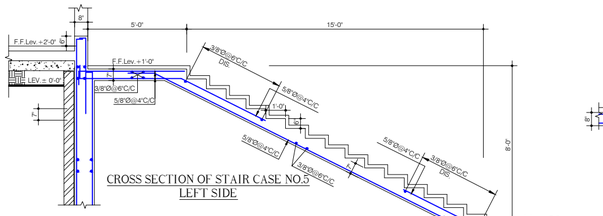
MARK	REVISION	SIGN	DATE

DRAWN: M.AKHTAR

SHEET REF. STR. **S=21**



CROSS SECTION OF STAIR CASE NO.5
LEFT SIDE



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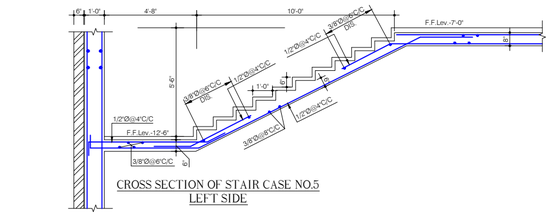

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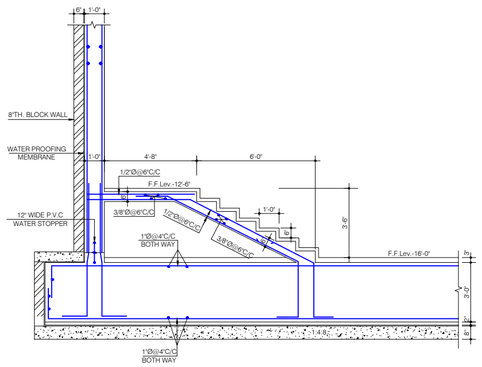
LEFT SIDE



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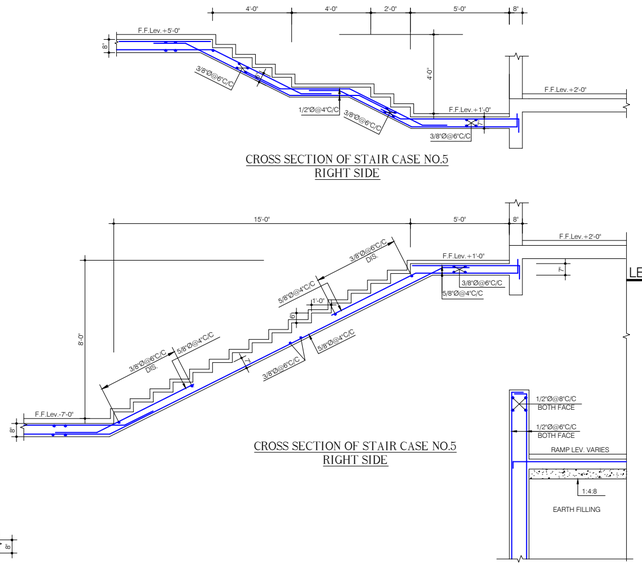
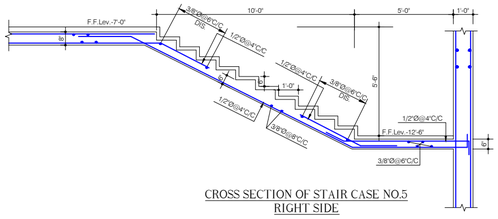
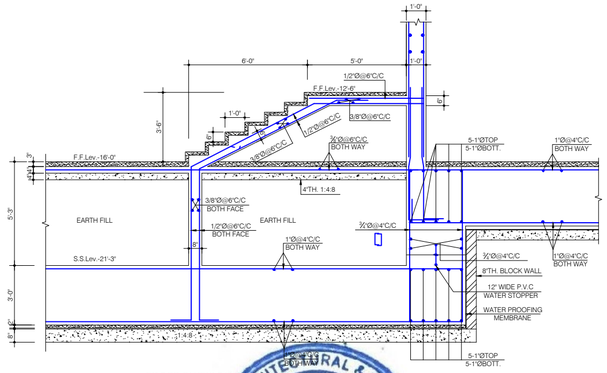
LEFT SIDE



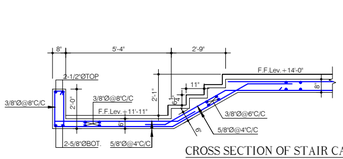
CROSS SECTION OF STAIR CASE NO.5
RIGHT SIDE



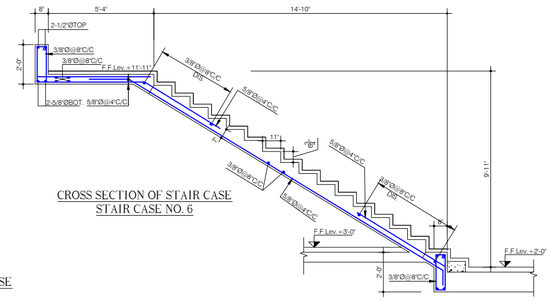
CROSS SECTION OF STAIR CASE NO.5
RIGHT SIDE



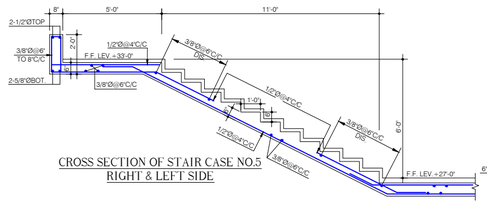
CROSS SECTION OF STAIR CASE NO.5
RIGHT SIDE



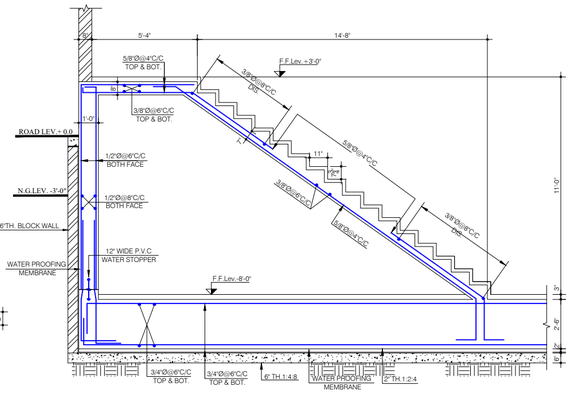
CROSS SECTION OF STAIR CASE
STAIR CASE NO. 6



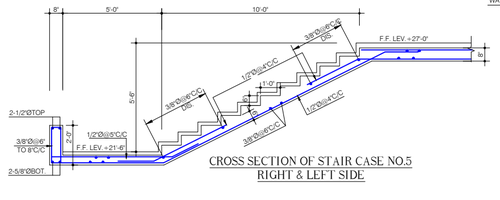
CROSS SECTION OF STAIR CASE
STAIR CASE NO. 6



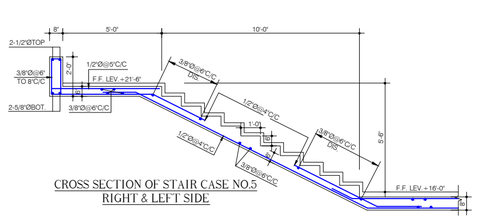
CROSS SECTION OF STAIR CASE NO.5
RIGHT & LEFT SIDE



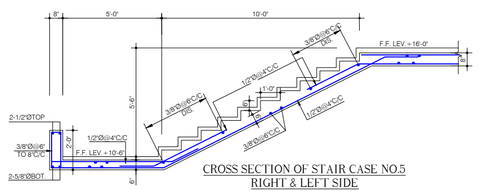
CROSS SECTION OF STAIR CASE
STAIR CASE NO. 6



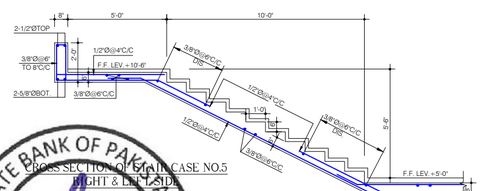
CROSS SECTION OF STAIR CASE NO.5
RIGHT & LEFT SIDE



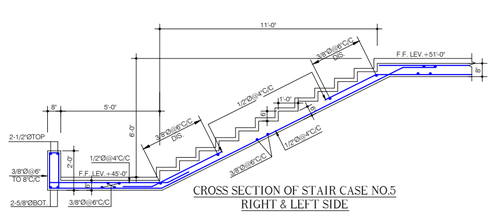
CROSS SECTION OF STAIR CASE NO.5
RIGHT & LEFT SIDE



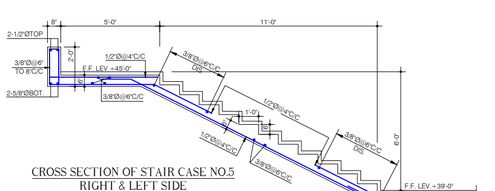
CROSS SECTION OF STAIR CASE NO.5
RIGHT & LEFT SIDE



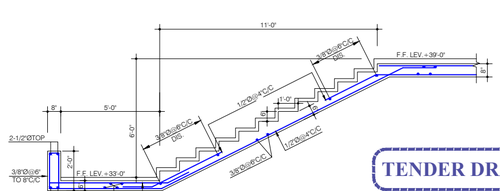
CROSS SECTION OF STAIR CASE NO.5
RIGHT & LEFT SIDE



CROSS SECTION OF STAIR CASE NO.5
RIGHT & LEFT SIDE



CROSS SECTION OF STAIR CASE NO.5
RIGHT & LEFT SIDE



CROSS SECTION OF STAIR CASE NO.5
RIGHT & LEFT SIDE

TENDER DRAWING

Client	Job	Consultant	TITLE: CROSS SECTION OF STAIR CASE NO.(5 AND 6)
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI, P. O. BOX NO. 7608	DATE: 24-11-18 LOCATION :- E: \ STATE BANK P.C M.FARHAN JOB REF. 886 DRAWN: M.AKHTAR SHEET REF. STR. **S=22**

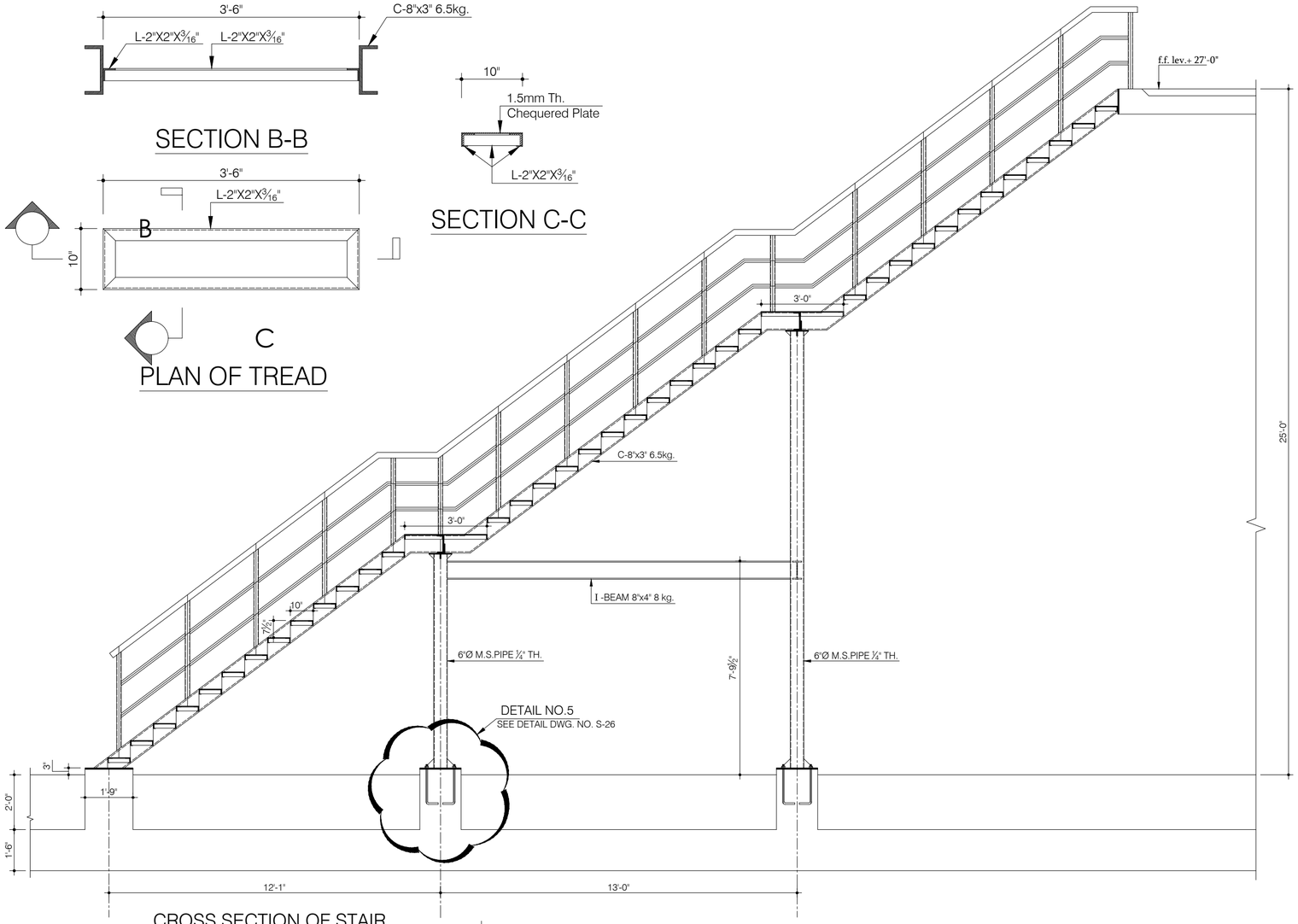
MARK	REVISION	SIGN	DATE

SECTION B-B

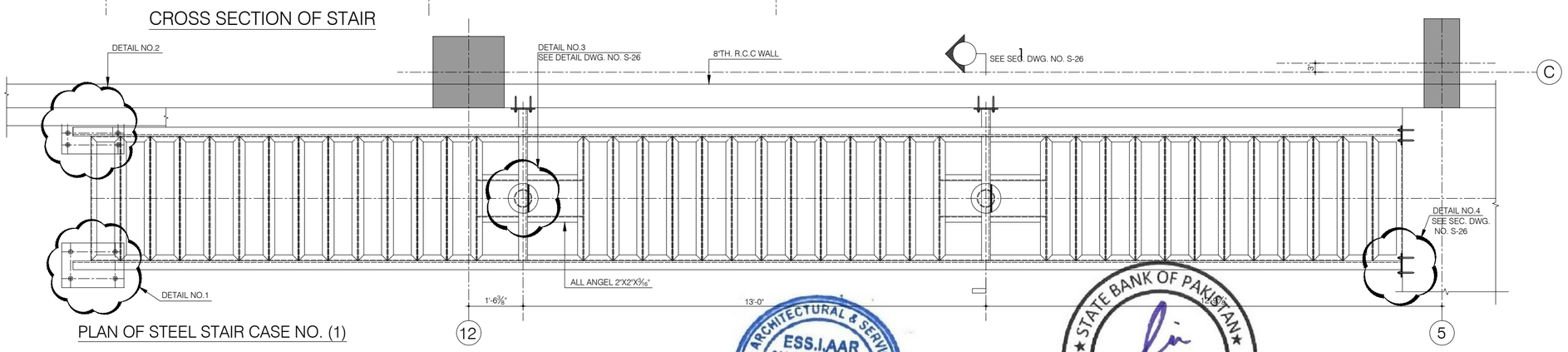
C

PLAN OF TREAD

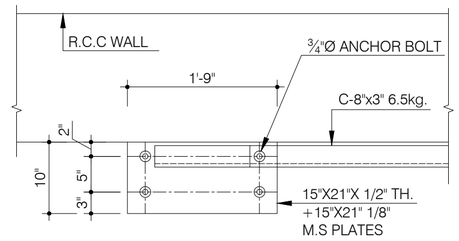
SECTION C-C



CROSS SECTION OF STAIR

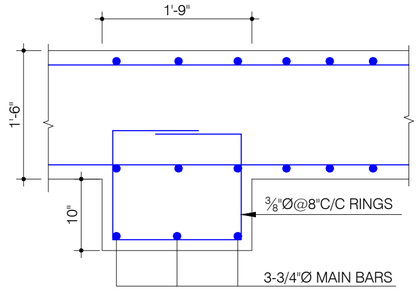


PLAN OF STEEL STAIR CASE NO. (1)



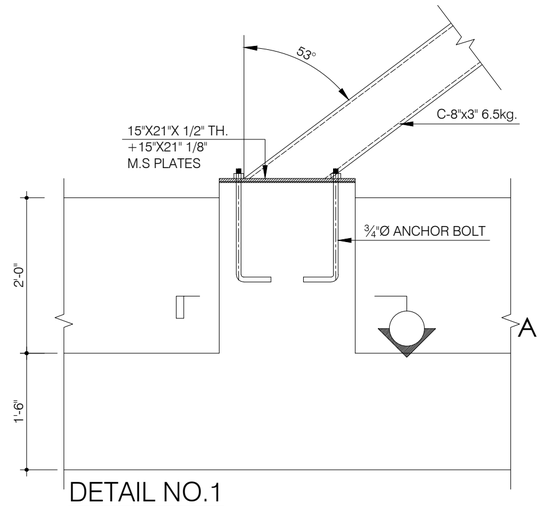
DETAIL NO.2

(PLAN)



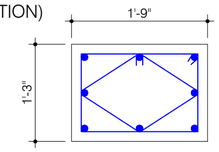
REINF.DETAIL NO.2

(PLAN)



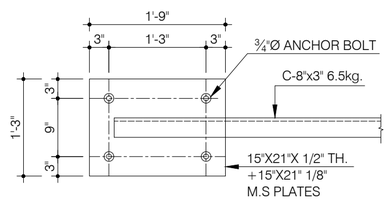
DETAIL NO.1

(ELEVATION)



8-3/4"Ø MAIN BARS
⅜"Ø@8"C/C/C RINGS

SECTION A-A



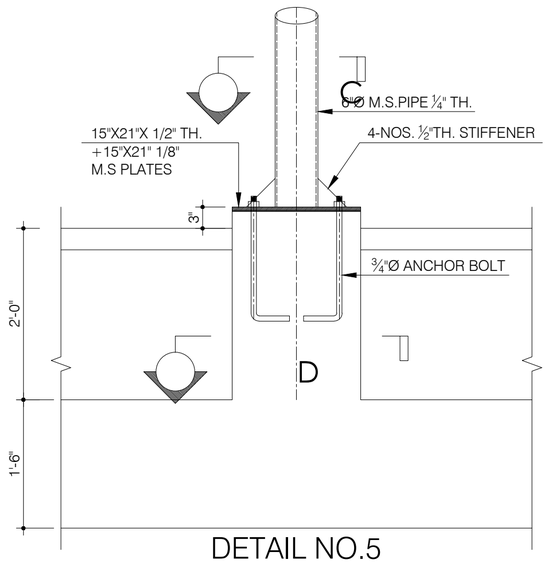
DETAIL NO.1

(PLAN)

TENDER DRAWING

Client	Job	Consultant				
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI , P. O. BOX NO. 7608	TITLE: PLAN SECTION AND DETAILS STEEL STAIR CASE NO.1	DATE: 24-11-18	LOCATION :- E: \ STATE BANK P.C M.FARHAN	JOB REF. 886
			MARK / REVISION / SIGN / DATE	DRAWN: M.AKHTAR	SHEET REF. STR.	**S=23**

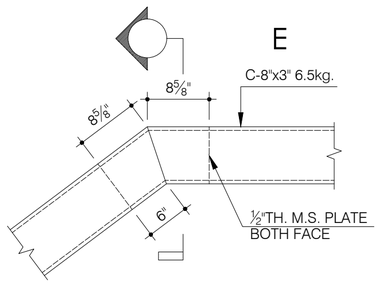
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
STATE BANK OF PAKISTAN
KHOJA SHAMS



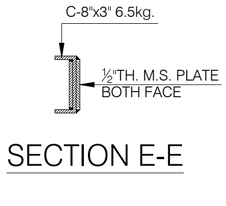
DETAIL NO.5

(ELEVATION)

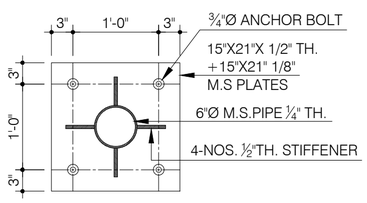
REFER SEE DETAIL DWG. S=25



ELEVATION OF CHANNEL JOINT

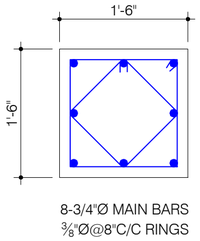


SECTION E-E



SECTION C-C

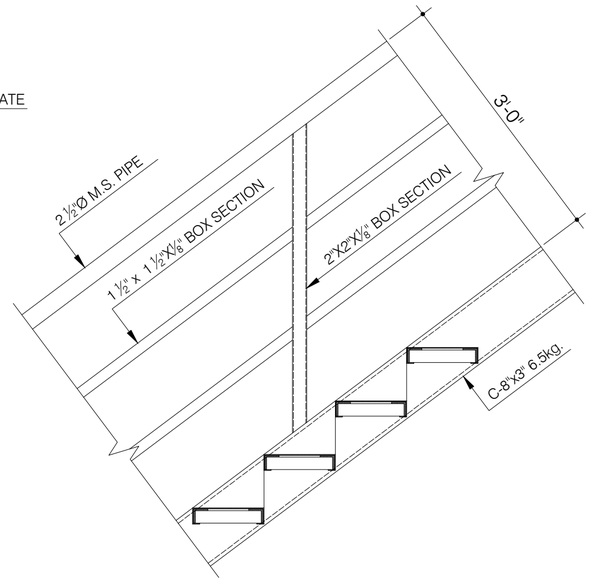
(PLAN)



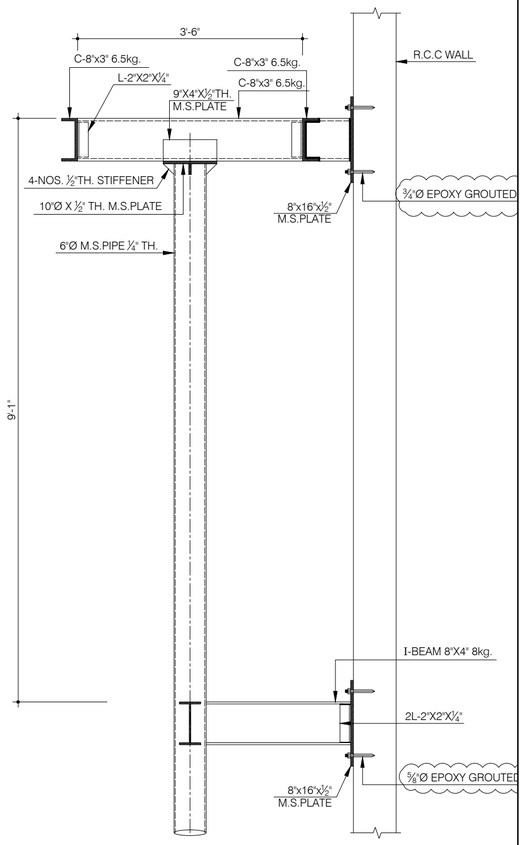
8-3/4"Ø MAIN BARS
⅜"Ø@8"C/C RINGS

SECTION D-D

(PLAN)

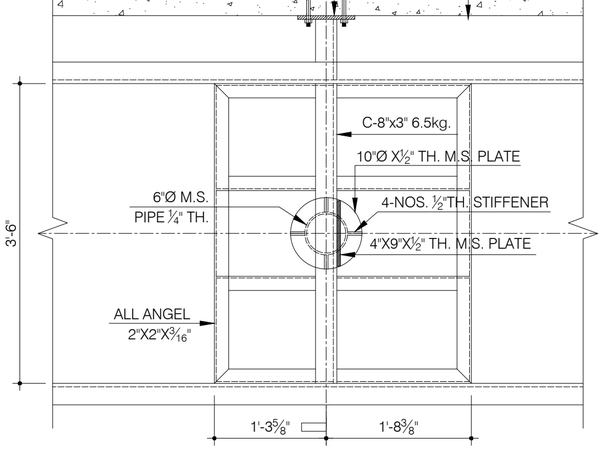


RAILING ELEVATION



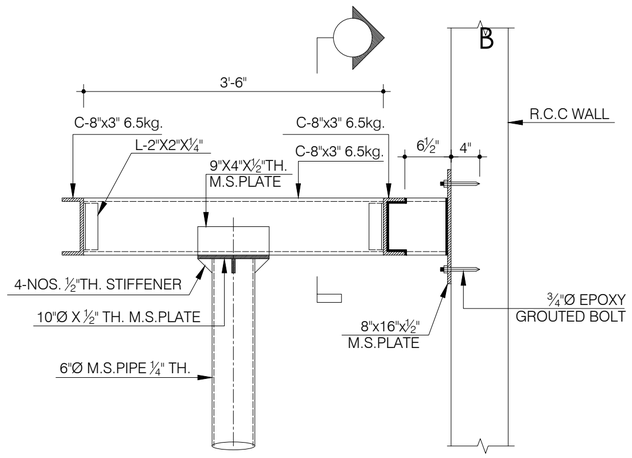
SECTION 1-1

REFER SEE SECTION DWG. S=25

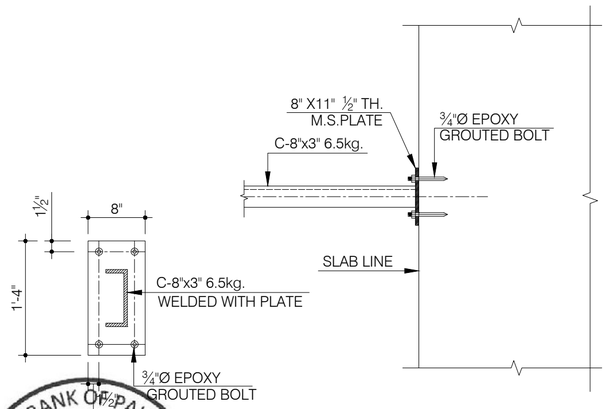


DETAIL NO.3 (PLAN)

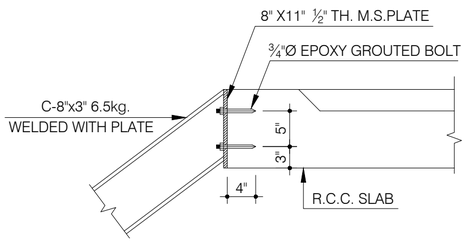
REFER SEE DETAIL DWG. S=25



SECTION A-A



SECTION B-B



DETAIL NO.4 (PLAN)

REFER SEE DETAIL DWG. S=25

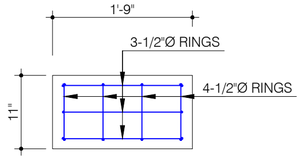
DETAIL NO.4

(ELEVATION)

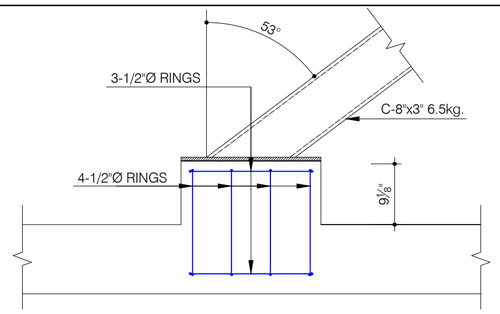
TENDER DRAWING

STATE BANK OF PAKISTAN
ENGINEERING & ARCHITECTURAL & SERVICES DEPARTMENT
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

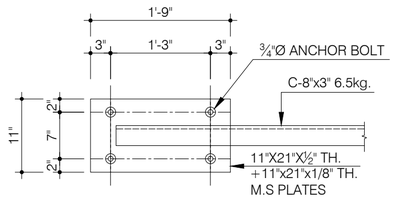
Client	Job	Consultant	TITLE: DETAILS OF STEEL STAIR CASE NO.(1)
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT VISION ESS -I- AAR PLANNING & ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	DATE: 24-11-18 · LOCATION :- E: \ STATE BANK P.C M.FARHAN · JOB REF. 886 · REV-0 · MARK / REVISION / SIGN / DATE · DRAWN: M.AKHTAR · SHEET REF. STR. · **S=24**



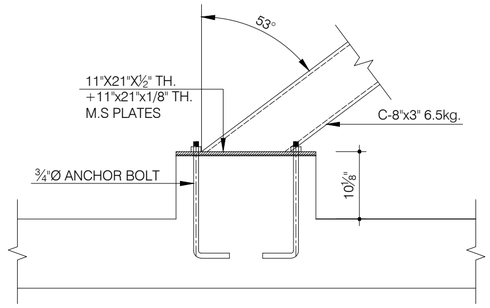
REINF. DETAIL NO.1
(PLAN)



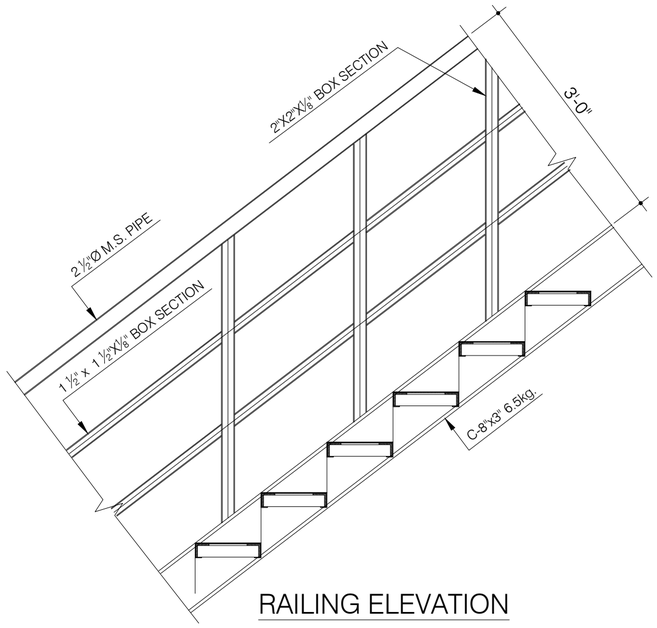
DETAIL NO.1
(ELEVATION)



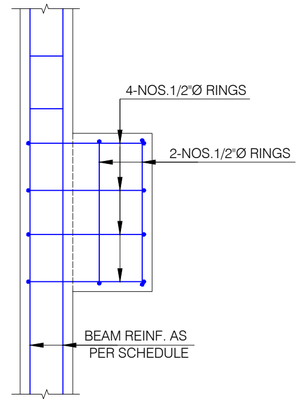
DETAIL NO.1
(PLAN)



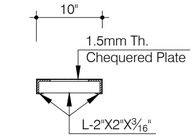
DETAIL NO.1
(ELEVATION)



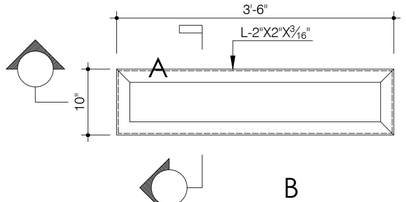
RAILING ELEVATION



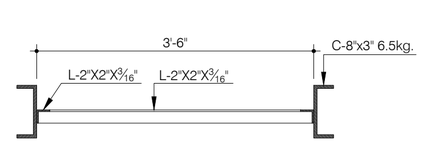
REINF.DETAIL NO.2
(PLAN)



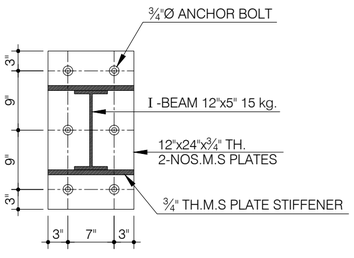
SECTION B-B



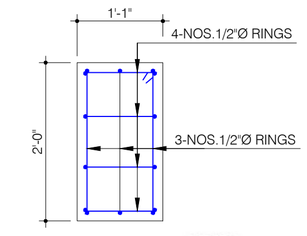
PLAN OF TREAD



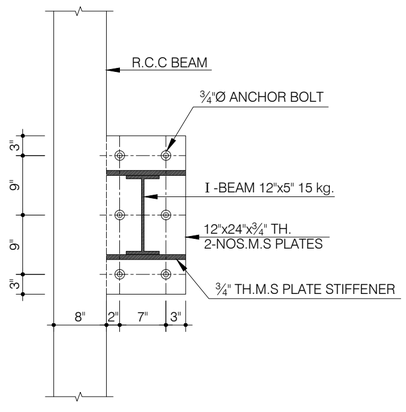
SECTION A-A



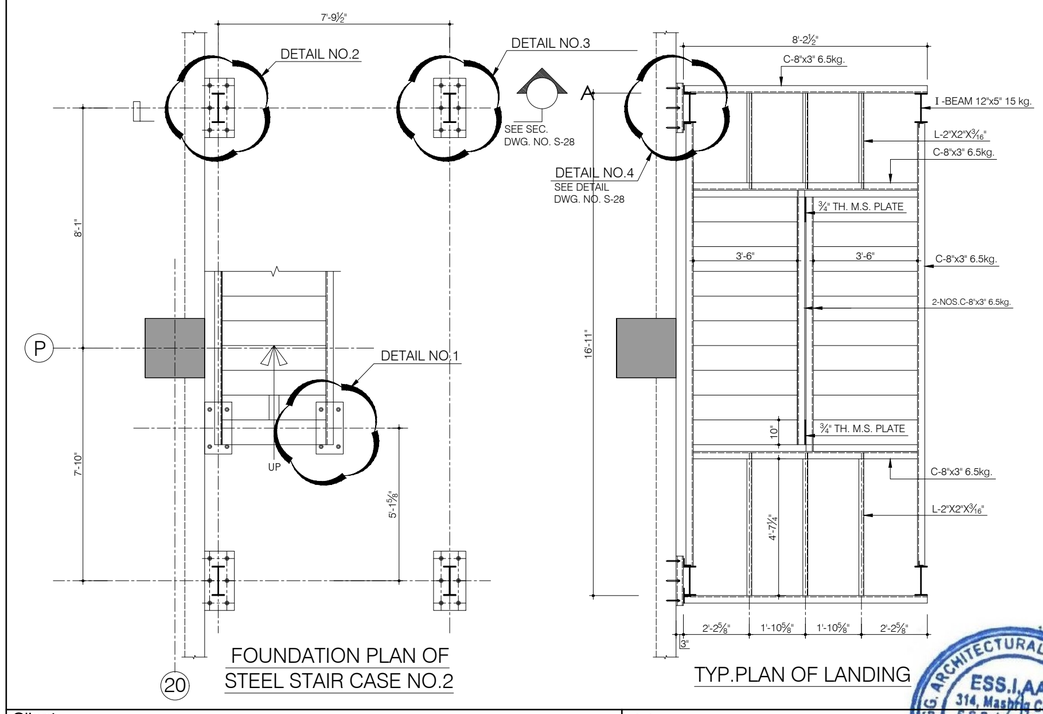
DETAIL NO.3
(PLAN)



REINF.DETAIL NO.3
(PLAN)



DETAIL NO.2
(PLAN)



FOUNDATION PLAN OF
STEEL STAIR CASE NO.2

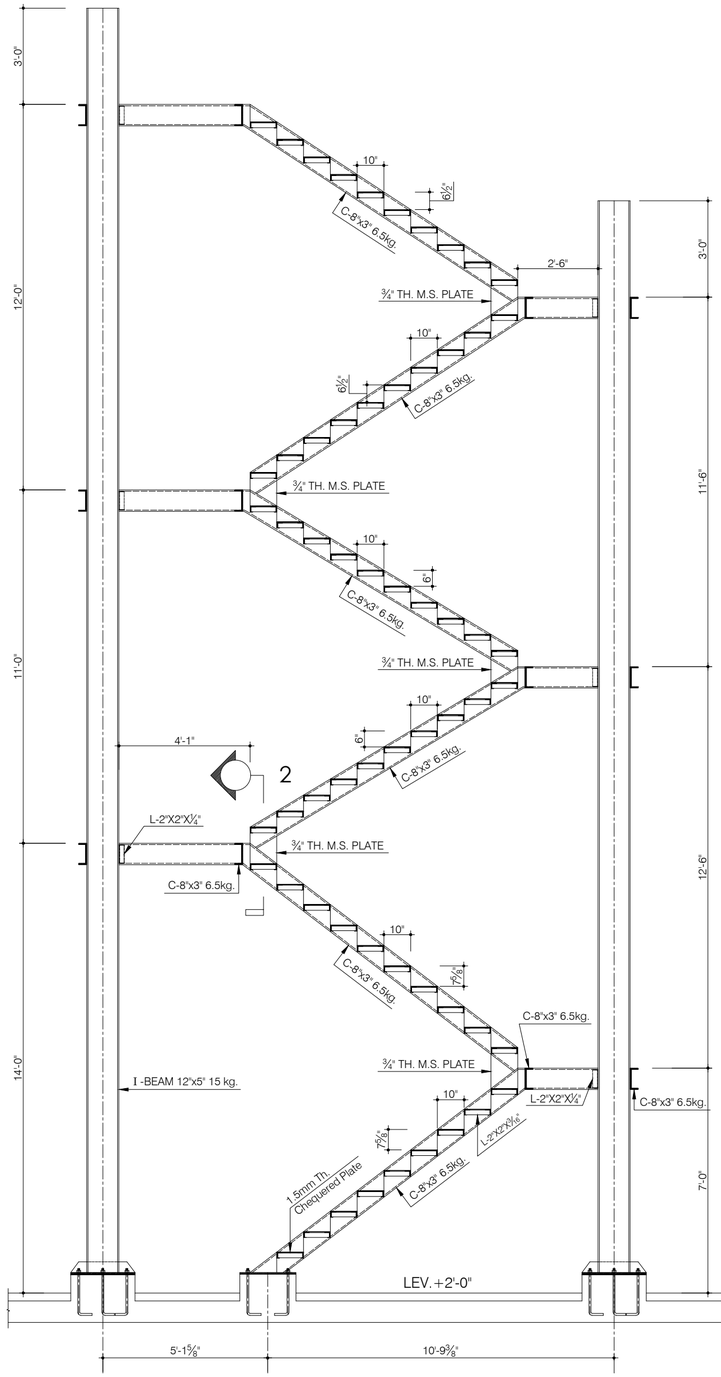
TYP.PLAN OF LANDING

TENDER DRAWING

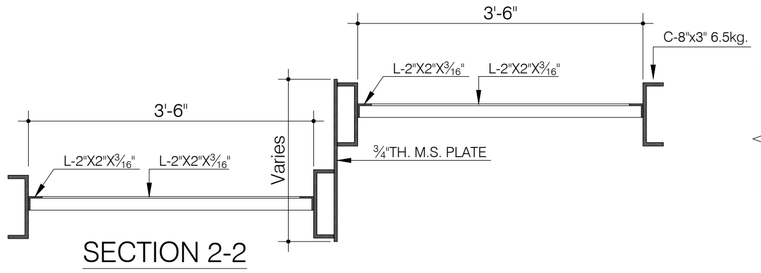
Client	Job	Consultant	TITLE:	DATE:	LOCATION :-	JOB REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	PROJECT MANAGEMENT ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	PLAN SECTION AND DETAILS STEEL STAIR CASE NO.2	24-11-18 REV-0	E: \ STATE BANK P.C M.FARHAN	886

MARK	REVISION	SIGN	DATE

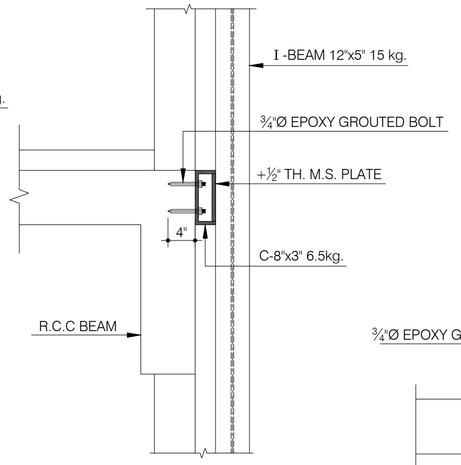
DRAWN: M.AKHTAR | SHEET REF. STR. | **S=25**



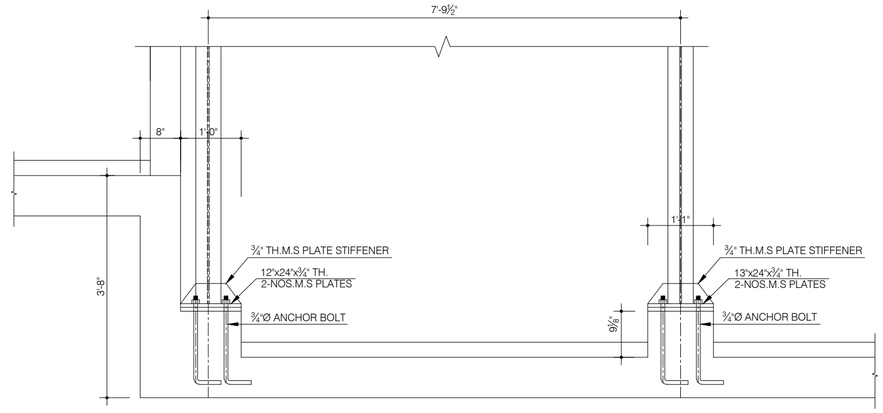
SECTION OF STAIR CASE



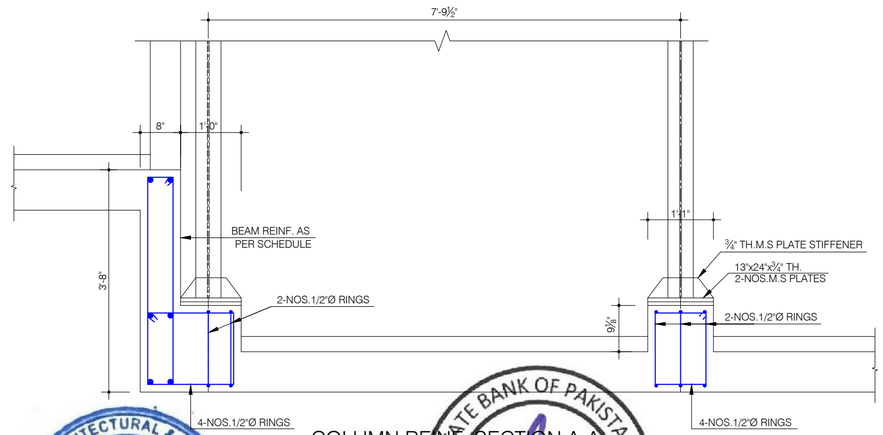
SECTION 2-2



SECTION 1-1

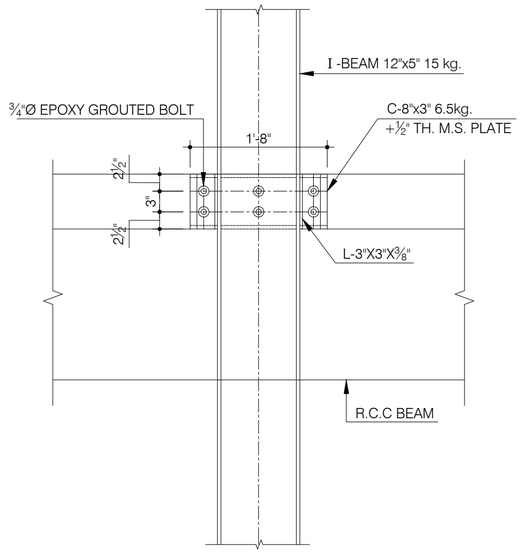


ANCHOR BORT ADJUSTMENT (SECTION A-A)



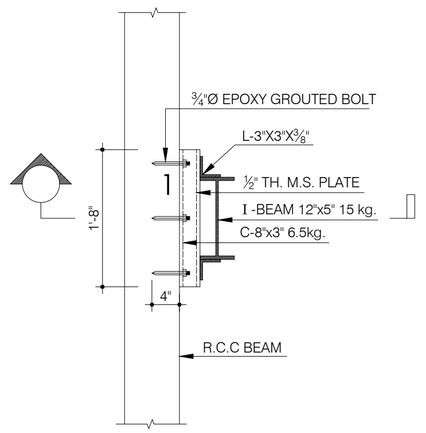
COLUMN REINF. SECTION A-A

REFER SEE SEC. DWG. S=27



DETAIL NO.4

ELEV.



DETAIL NO.4 (PLAN)

REFER SEE DETAIL DWG. S=27

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

PROJECT MANAGEMENT VISION

ESS -I- AAR

PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

ESS.I.AAR 314, Mashriq Centre 5.5 Sulaiman Road, Gulshan-e-Iqbal Karachi

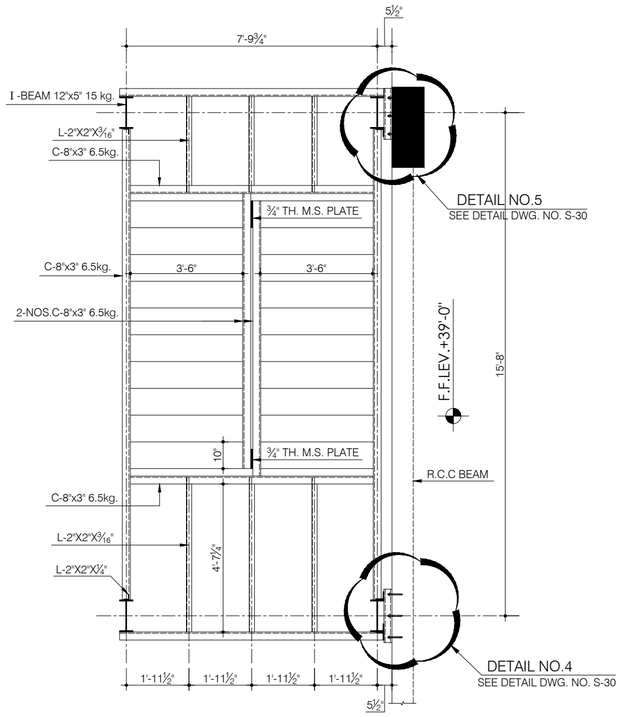
STATE BANK OF PAKISTAN ★ KHI ★ ENGINEERING DEPARTMENT

TITLE:	DATE:	LOCATION :-	JOB REF.
DETAILS OF STEEL STAIR CASE NO.(2)	24-11-18	E: \ STATE BANK P.C M.FARHAN	886

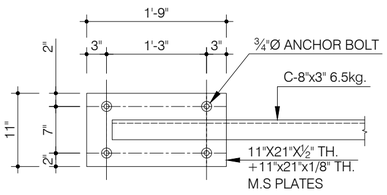
MARK	REVISION	SIGN	DATE
REV-01			

DRAWN: M.AKHTAR

SHEET REF. STR. **S=26**

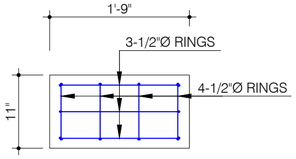


STAIR CASE PLAN OF LANDING



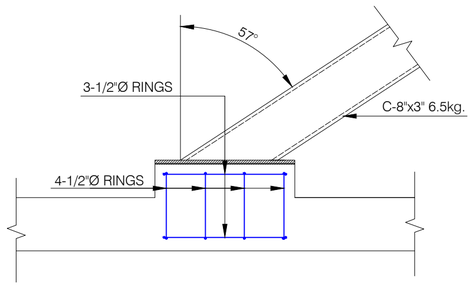
DETAIL NO.3

(PLAN)



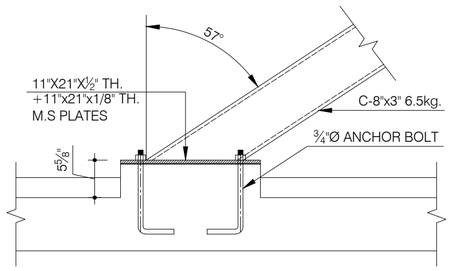
REINF. DETAIL NO.3

(PLAN)



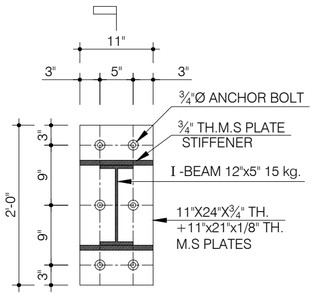
REINF. DETAIL NO.3

(ELEVATION)



DETAIL NO.3

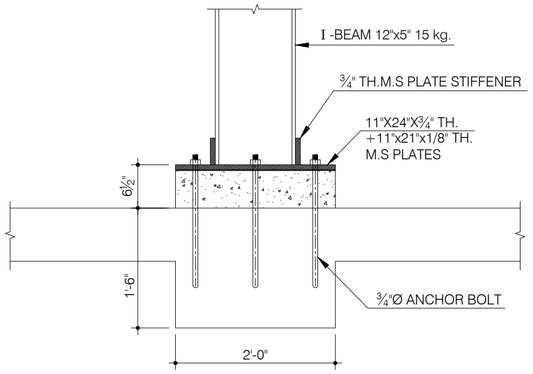
(ELEVATION)



C

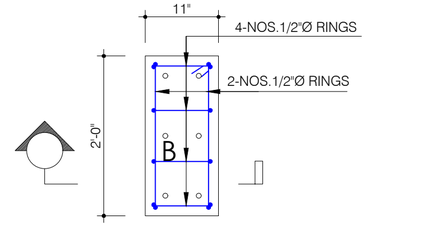
DETAIL NO.2

(PLAN)



DETAIL NO.2

(SECTION C-C)



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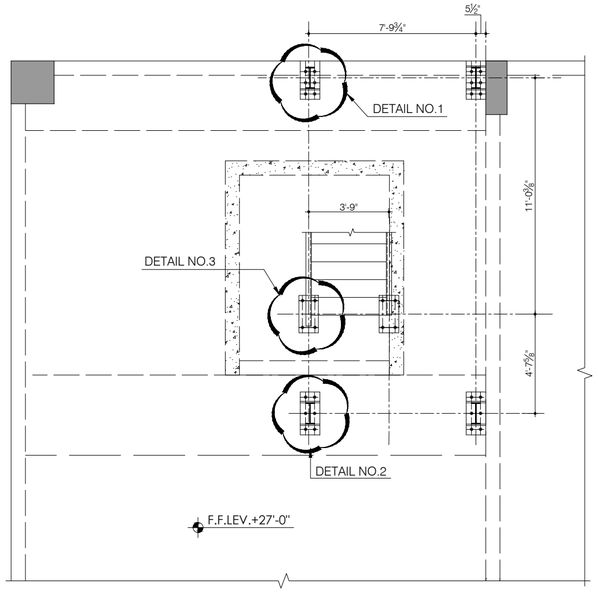
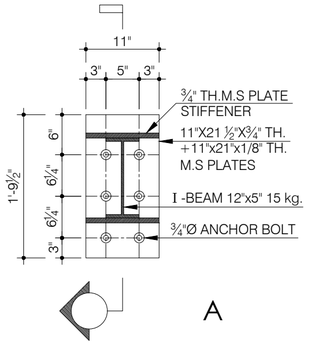
(PLAN)



STEEL STAIRCASE NO.(3) COLUMN ARRANGEMENT

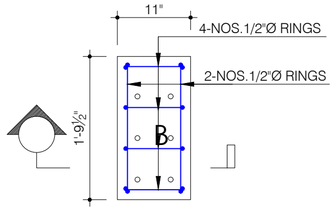
PLAN



A

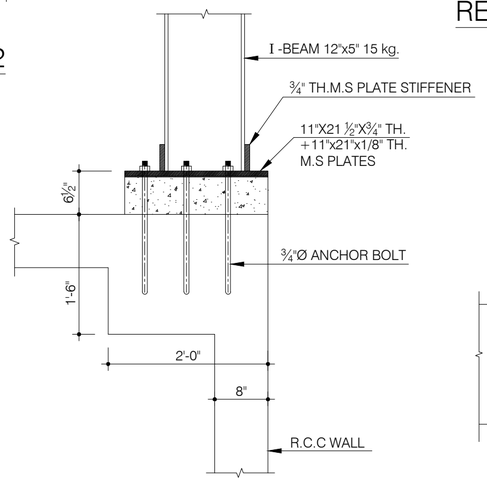
DETAIL NO.1

(PLAN)



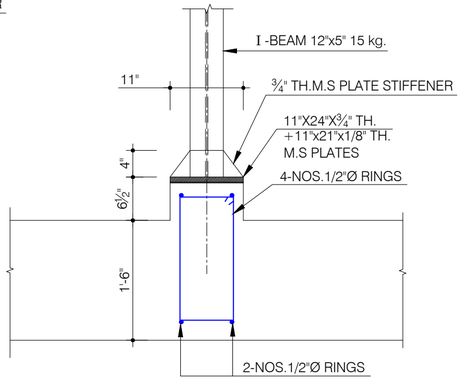
REINF.DETAIL NO.1

(PLAN)



DETAIL NO.1

(SECTION A-A)



DETAIL NO.1 & 2

(SECTION B-B)

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

PROJECT MANAGEMENT

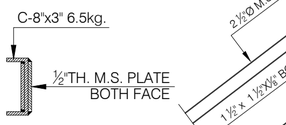
ESS -I- AAR

PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

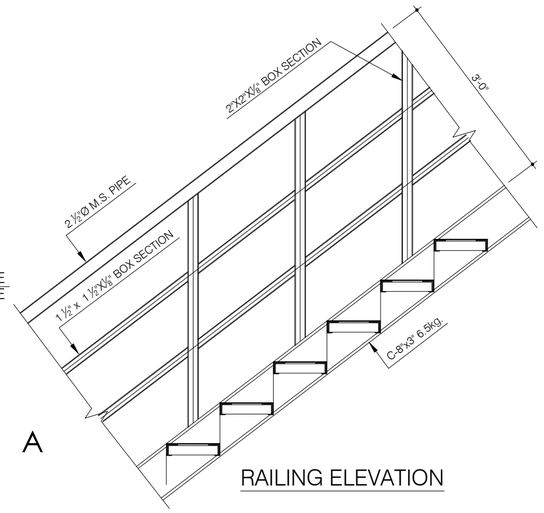
TITLE:	DATE:	LOCATION :-	JOB REF.
PLAN SECTION AND DETAILS STEEL STAIR CASE NO.3	24-11-18 REV-0	E: \ STATE BANK P.C M.FARHAN	886

MARK	REVISION	SIGN	DATE

DRAWN:	SHEET REF.	
M.AKHTAR	STR.	S=27

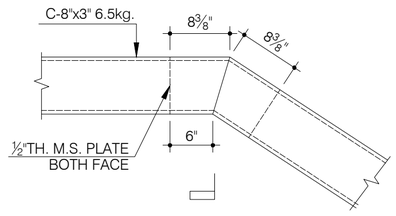


SECTION A-A

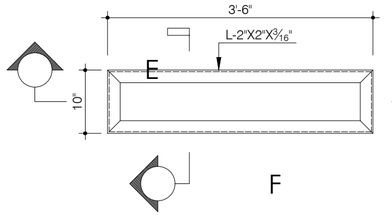


RAILING ELEVATION

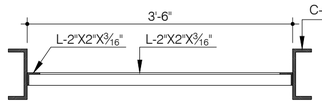
A



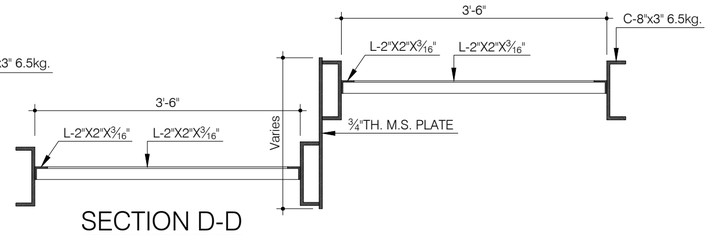
ELEVATION OF CHANNEL JOINT



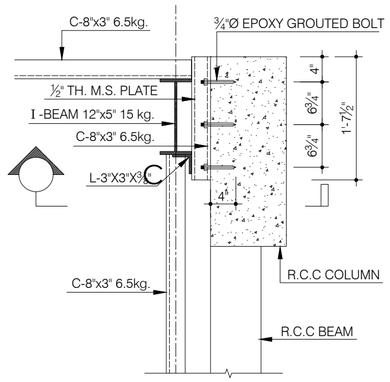
PLAN OF TREAD



SECTION E-E

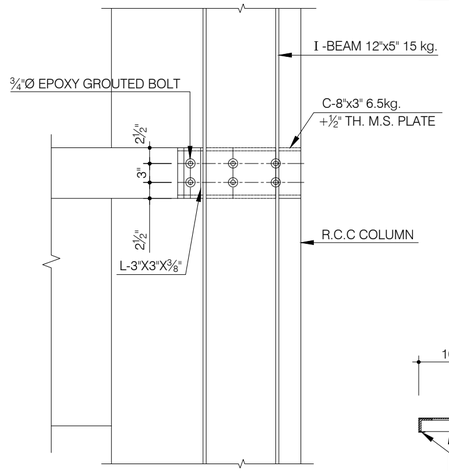


SECTION D-D



DETAIL NO.5 (PLAN)

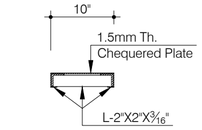
REFER SEE SEC. DWG. S=29



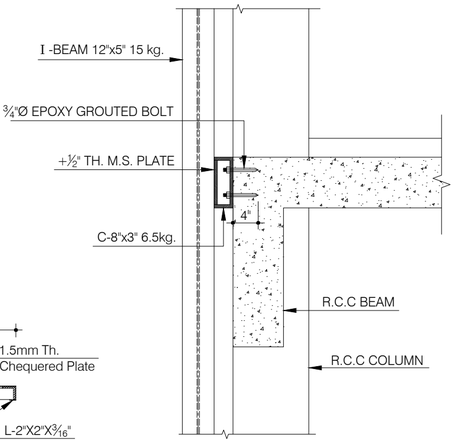
DETAIL NO.5

ELEVATION

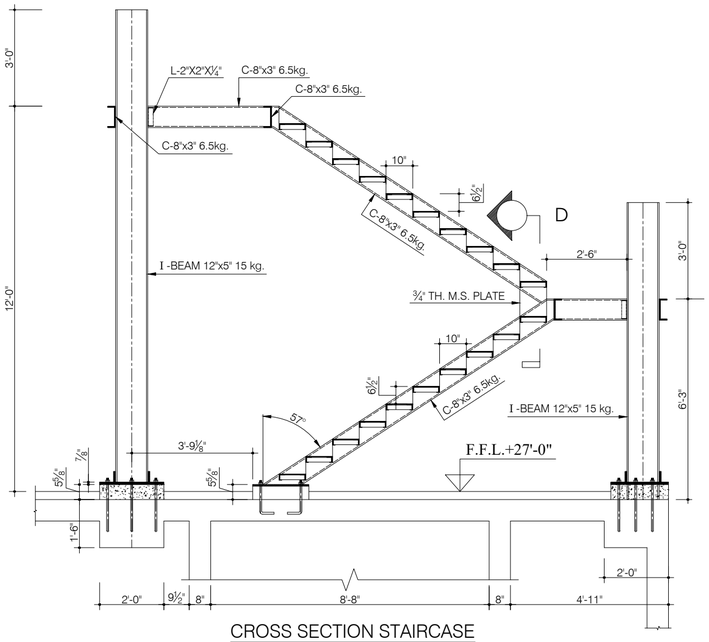
REFER SEE SEC. DWG. S=29



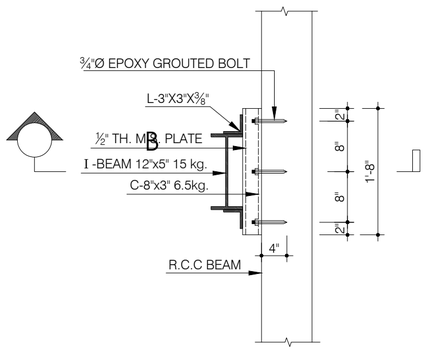
SECTION F-F



SECTION C-C

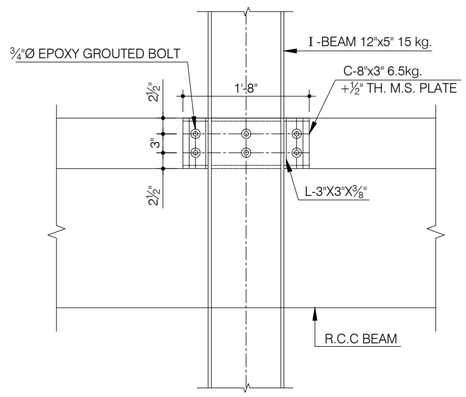


CROSS SECTION STAIRCASE



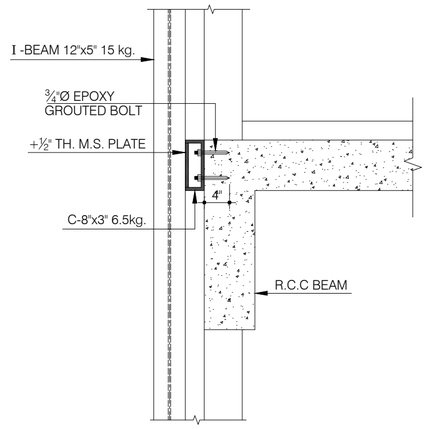
DETAIL NO.4 (PLAN)

REFER SEE SEC. DWG. S=29



DETAIL NO.4 (ELEVATION)

REFER SEE SEC. DWG. S=29



SECTION B-B

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant

PROJECT MANAGEMENT DIVISION

ESS -I- AAR

PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

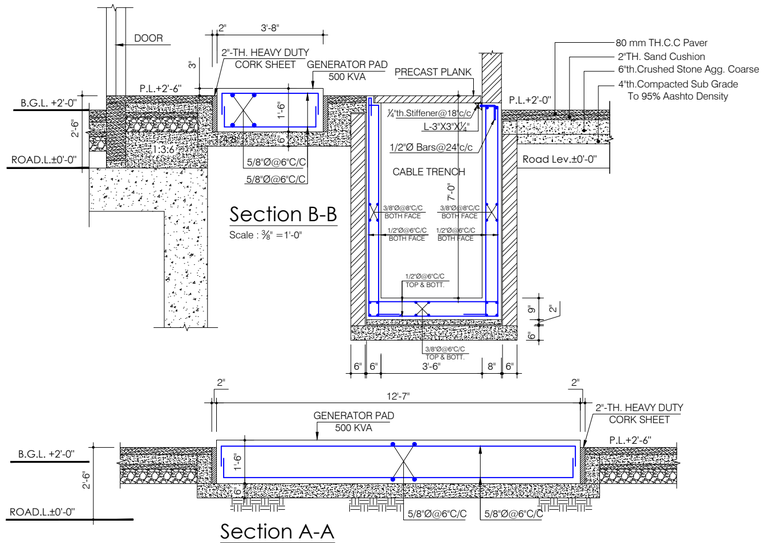
TITLE:	DATE:	LOCATION :-	JOB REF.
DETAILS OF STEEL STAIR CASE NO.(3)	24-11-18	E: \ STATE BANK P.C M.FARHAN	886

MARK	REVISION	SIGN	DATE

DRAWN: M.AKHTAR

SHEET REF. STR.

S=28

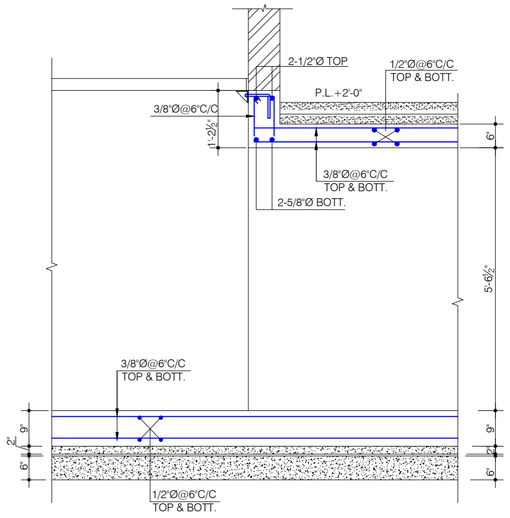


Section B-B

Scale : ⅜" =1'-0"

Section A-A

Scale : ⅜" =1'-0"

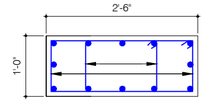


Section C-C

Scale : ⅜" =1'-0"

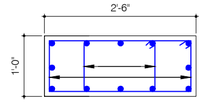
SCHEDULE OF FOOTING'S

FOOTINGS NO.	COLUMN SIZES	Footing's Sizes And Reinf. Detail's							X-AXIS	Y-AXIS
		A	B	C	D	E	F	G		
F1	12"X30"	7'-6"	8'-0"	12"	14"	30"	32"	18"	5/8"Ø@6"C/C	5/8"Ø@6"C/C
F2	12"X30"	10'-0"	11'-0"	12"	14"	30"	32"	18"	5/8"Ø@4"C/C	5/8"Ø@4"C/C



12-3/4"Ø Main Bars
3/8"Ø@6" TO 8"C/C(Rings)

Column No.C1

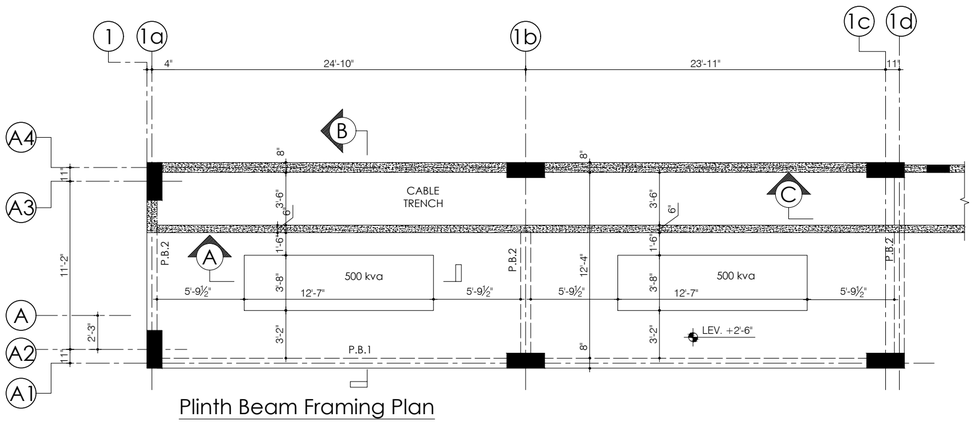


12-3/4"Ø Main Bars
3/8"Ø@6" TO 8"C/C(Rings)

PICK UP COLUMN P.C.7

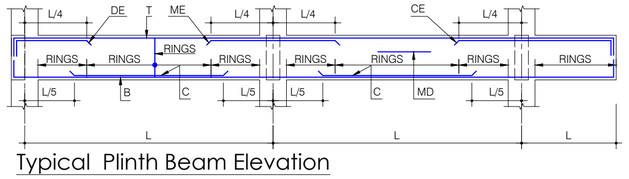
NOTES:-

1. FOR GENERAL NOTES REFER DWG. NO. GN-01
2. THESE DRAWING SHOULD BE READ IN CONJUCTION WITH RELEVANT ARCHITECTURAL ELECTRICAL, PLUMBING,HAVC,ICT,ETC. DRAWINGS
3. TRANSFORMER AND GENERATOR UNSTALLATION DETAILS SHALL BE AS SPECIFIED AND INDICATED ON REVELANT VENDOR SHOP DRAWINGS



Plinth Beam Framing Plan

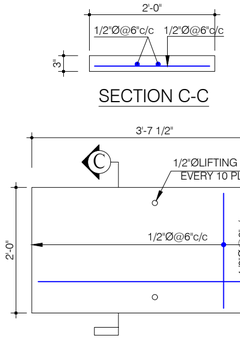
Scale : 3/16" =1'-0"



Typical Plinth Beam Elevation

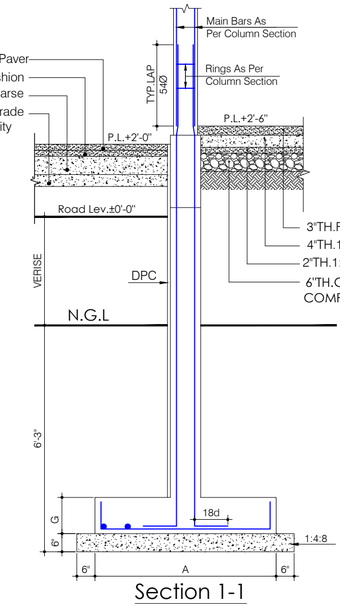
SCHEDULE OF PLINTH'S BEAMS

BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
P.B.1	8"X24"	2- 5/8"Ø	2- 3/4"Ø	2- 1/2"Ø	2- 1/2"Ø	-	3- 5/8"Ø	-	3/8"Ø@5"TO10"C/C
P.B.2	//	2- 5/8"Ø	2- 5/8"Ø	-	-	-	-	-	//



SECTION C-C

REINF. PLAN OF PRECAST PLANK

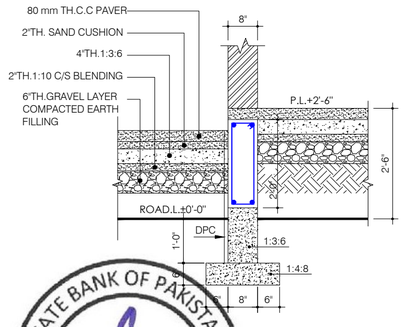


Section 1-1

Scale : ⅜" =1'-0"

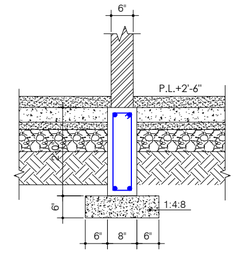
Foundation Plan

Scale : 3/16" =1'-0"



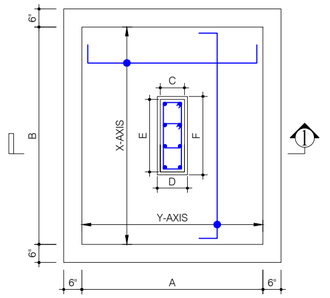
Typ.Section Of External Plinth Beam

SCALE :- 1/2"=1'-0"



Typ.Section Of Internal Plinth Beam

SCALE :- 1/2"=1'-0"



Typ.Plan Of Footing

Scale : ⅜" =1'-0"

TENDER DRAWING

ESS.I.AAR
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
PLANNING ENGINEERING MANAGEMENT
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
SBP BSC HQR

Client: STATE BANK OF PAKISTAN

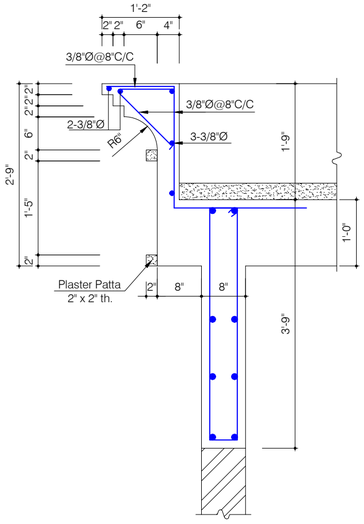
Job: CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
GENERATOR BUILDING (500 KVA)

Consultant: ESS -I- AAR
PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

TITLE: FOUNDATION PLAN & DETAILS GENERATOR BUILDING (500 KVA)

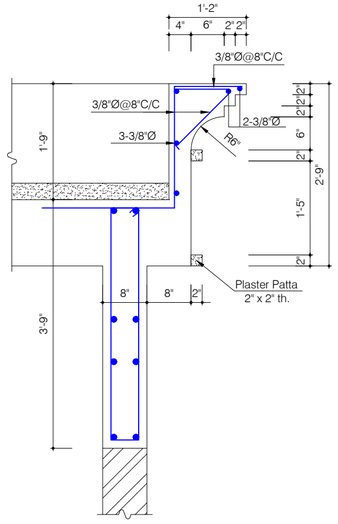
MARK	REVISION	SIGN	DATE

DATE: 24-11-18
DRAWN: M.AKHTAR
LOCATION :- E: \ STATE BANK P.C M.FARHAN
JOB REF. 886
SHEET REF. STR.
S=29



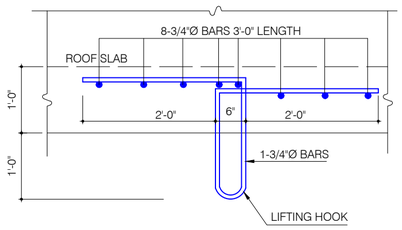
Section 1-1

Scale : 3/4"=1'-0"



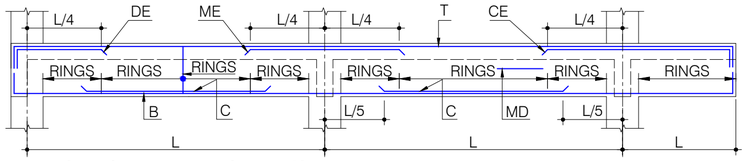
Section 2-2

Scale : 3/4"=1'-0"



DETAIL A

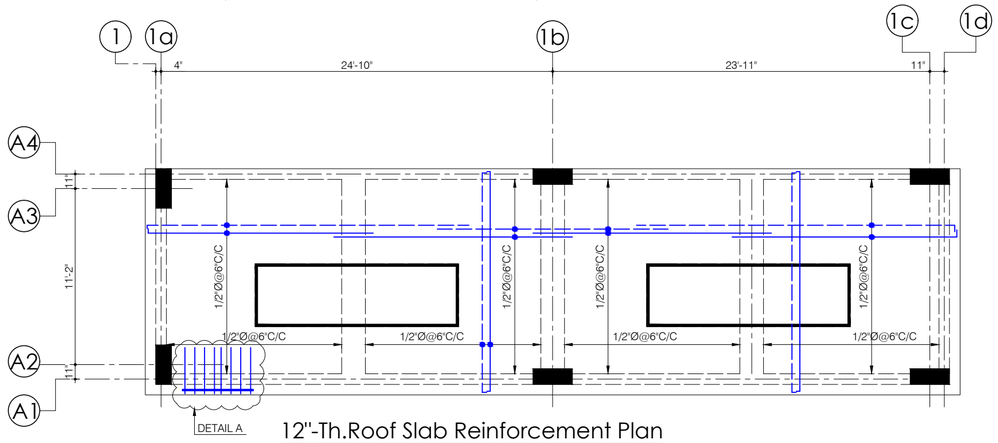
ELEVATION



Typical Beam Elevation

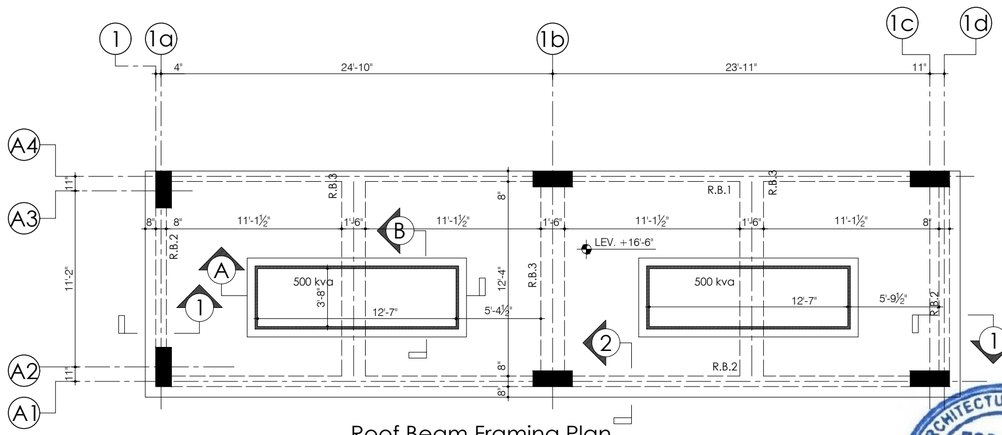
SCHEDULE OF ROOF FLOOR BEAMS

BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
R.B.1	8"x45"	2- 1/2"Ø	2- 3/4"Ø	2- 1"Ø	2-3/4"Ø	-	2- 1"Ø	2+2-3/8"Ø	3/8"Ø@5"TO10"C/C
R.B.2	8"x45"	2- 5/8"Ø	2- 5/8"Ø	2- 5/8"Ø	-	-	-	2+2-3/8"Ø	3/8"Ø@9"TO12"C/C
R.B.3	18"x24"	4- 1/2"Ø	4- 5/8"Ø	2-3/4"Ø	2- 5/8"Ø	-	-	-	3/8"Ø@5"TO10"C/C



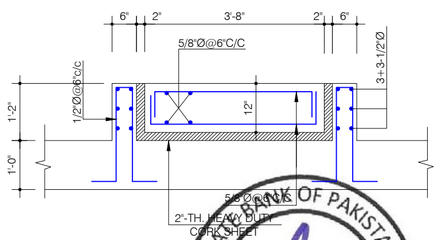
12"-Th.Roof Slab Reinforcement Plan

Scale : 3/16" =1'-0"

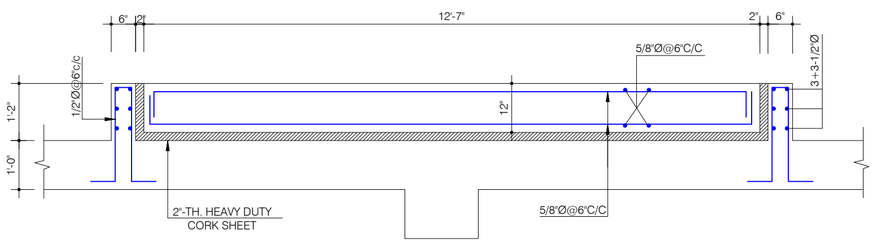


Roof Beam Framing Plan

Scale : 3/16" =1'-0"



SECTION B-B



SECTION A-A

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
GENERATOR BUILDING (500 KVA)

Consultant

PROJECT MANAGEMENT DIVISION
ESS -I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

TITLE: 12" TH. ROOF SLAB REINF. AND BEAM FRAMING PLAN GENERATOR BUILDING (500 KVA)

DATE: 24-11-18

LOCATION :- E: \ STATE BANK P.C M.FARHAN

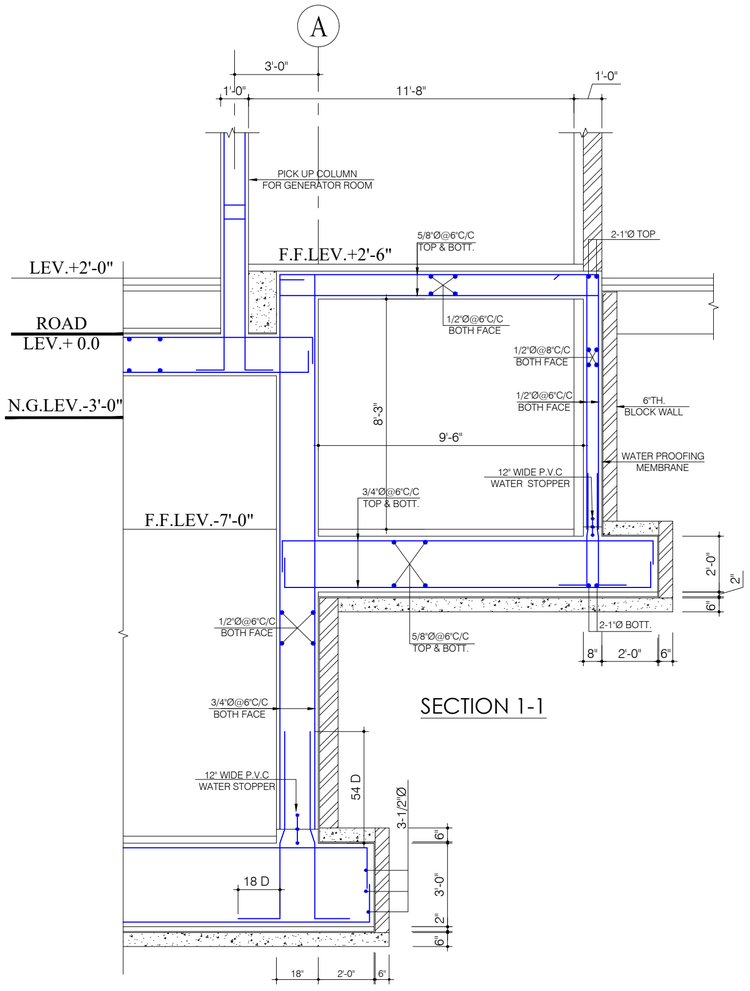
JOB REF. 886

MARK	REVISION	SIGN	DATE

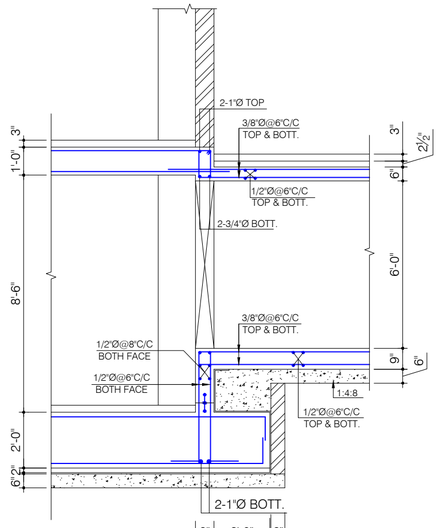
DRAWN: M.AKHTAR

SHEET REF. STR.

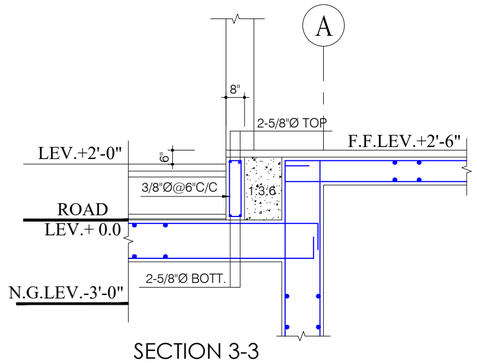
S=30



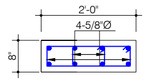
SECTION 1-1



SECTION 2-2

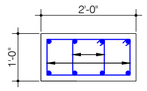


SECTION 3-3



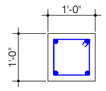
4-1"+4-5/8"Ø Main Bars
3/8"Ø@4" TO 8"C/C(Rings)

COLUMN NO.C1



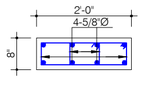
8-1"Ø Main Bars
3/8"Ø@4" TO 8"C/C(Rings)

COLUMN NO.C2



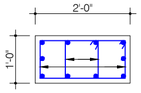
4-1"Ø Main Bars
3/8"Ø@4" TO 8"C/C(Rings)

COLUMN NO.C3



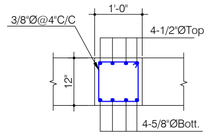
4-1"+4-5/8"ØMain Bars
3/8"Ø@ 6" To 8" C/C Rings

PICK UP COLUMN P.C.6

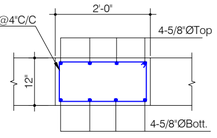


10-3/4"ØMain Bars
3/8"Ø@ 6" To 8" C/C Rings

PICK UP COLUMN P.C.8



SECTION OF (C.B.1)



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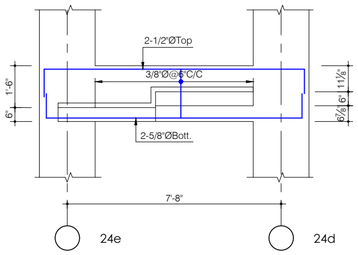
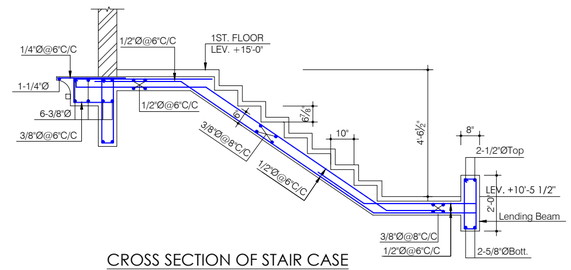
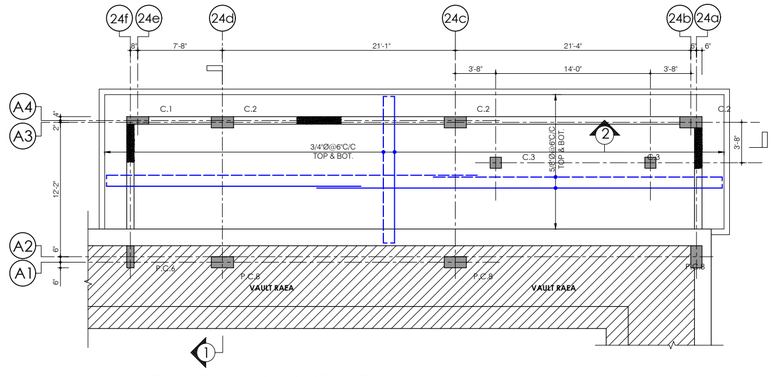


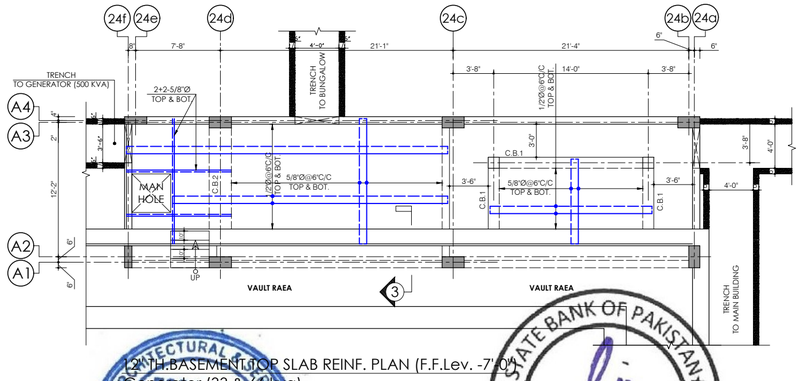
LENDING BEAM ELEVATION



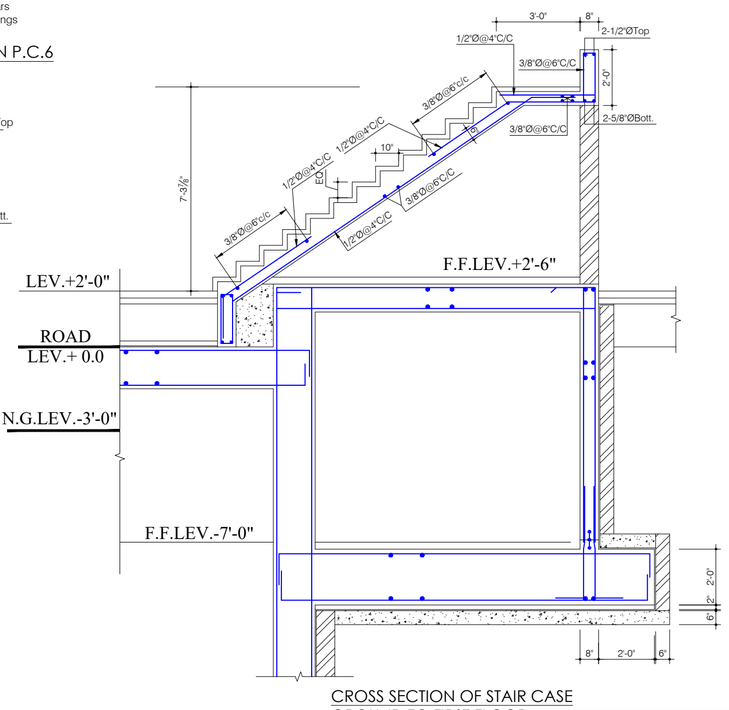
CROSS SECTION OF STAIR CASE
GROUND TO FIRST FLOOR



24" TH. RAFT SLAB FOR BASEMENT PLAN (S.S.Lev. -7'-3")
Generator (33 & 66 kva)



12" TH.BASEMENT TOP SLAB REINF. PLAN (F.F.Lev. -7'-0")
Generator (33 & 66 kva)



CROSS SECTION OF STAIR CASE
GROUND TO FIRST FLOOR

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
GENERATOR BUILDING (33 &66 KVA)

Consultant

PROJECT MANAGEMENT DIVISION

ESS -I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

ESS-I-AAR
ARCHITECTURAL ENGG. & SERVICES
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

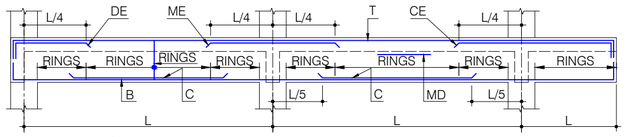
TITLE:	DATE:	LOCATION :-	JOB REF.
FOUNDATION PLAN & DETAILS GENERATOR BUILDING (33 & 66 KVA)	24-11-18	E: \ STATE BANK P.C M.FARHAN	886

MARK	REVISION	SIGN	DATE

REV-0

DRAWN: M.AKHTAR

SHEET REF. STR. **S=31**



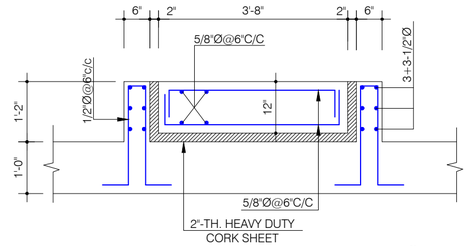
Typical Beam Elevation

SCHEDULE OF FIRST FLOOR BEAMS									
BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
F.B.1	8"x27"	2-5/8"Ø	2-3/4"Ø	2-1/2"Ø	2-3/4"Ø	-	2-1"Ø	-	3/8"Ø@5"TO10"C/C
F.B.2	//	//	//	2-5/8"Ø	2-1"Ø	-	-	-	3/8"Ø@5"TO10"C/C
F.B.3	12"x27"	//	//	2-5/8"Ø	2-1"Ø	-	-	-	3/8"Ø@5"TO10"C/C
F.B.4	8"x27"	//	//	2-1/2"Ø	2-3/4"Ø	-	-	-	3/8"Ø@5"TO10"C/C

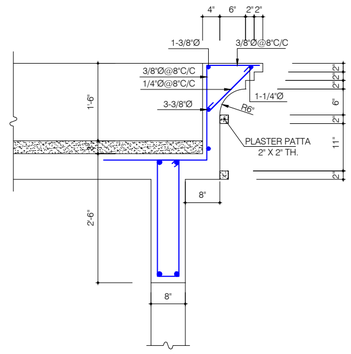
SCHEDULE OF ROOF FLOOR BEAMS									
BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
R.B.1	8"x45"	2-5/8"Ø	2-3/4"Ø	-	2-1/2"Ø	-	-	2-3/8"Ø	3/8"Ø@5"TO10"C/C
R.B.2	8"x27"	2-5/8"Ø	2-3/4"Ø	-	2-1/2"Ø	-	2-3/4"Ø	-	3/8"Ø@5"TO10"C/C
R.B.3	12"x27"	2-3/4"Ø	3-3/4"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C

NOTES:-

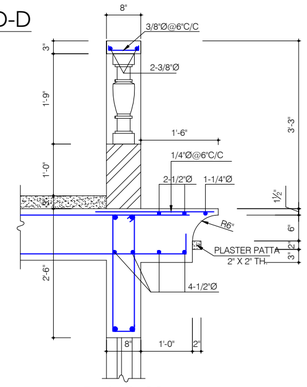
1. FOR GENERAL NOTES REFER DWG. NO. GN-01
2. THESE DRAWING SHOULD BE READ IN CONJUCTION WITH RELEVANT ARCHITECTURAL ELECTRICAL, PLUMBING,HAVC,ICT,ETC. DRAWINGS
3. TRANSFORMER AND GENERATOR UNSTALLATION DETAILS SHALL BE AS SPECIFIED AND INDICATED ON REVELANT VENDOR SHOP DRAWINGS



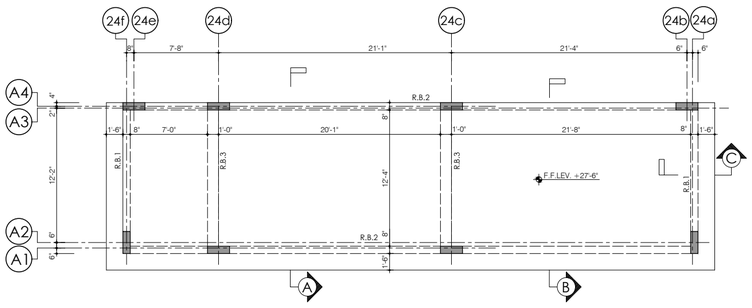
SECTION D-D



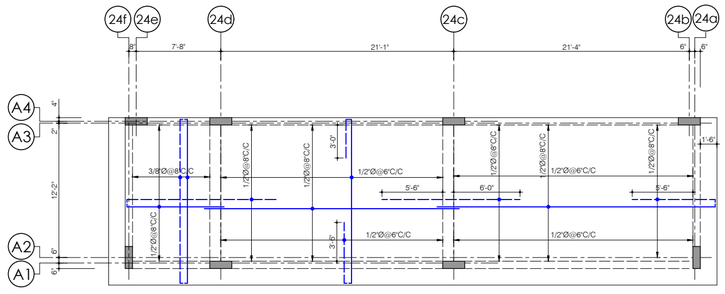
Detail -01



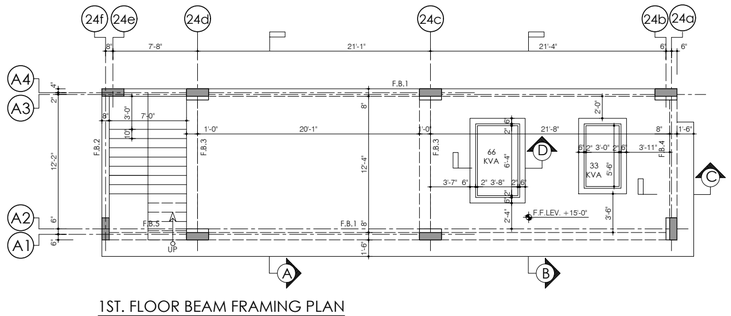
Detail -02



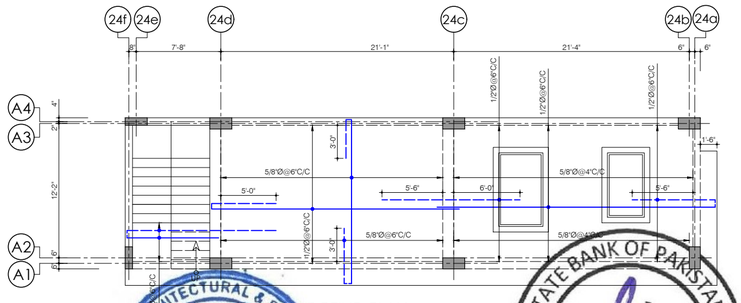
ROOF BEAM FRAMING PLAN
Generator (33 & 66 kva)



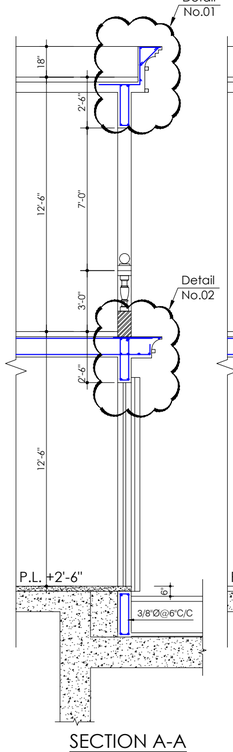
6" TH.ROOF REINF. PLAN
Generator (33 & 66 kva)



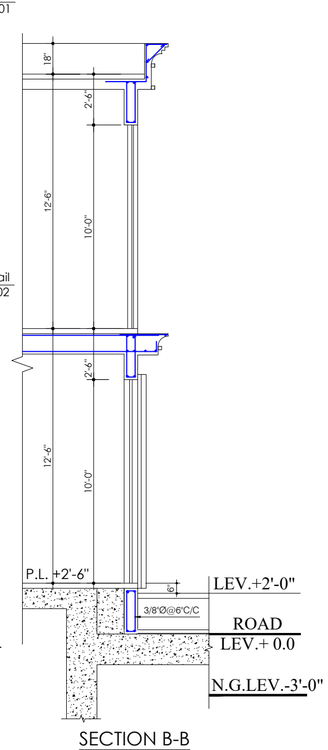
1ST. FLOOR BEAM FRAMING PLAN
Generator (33 & 66 kva)



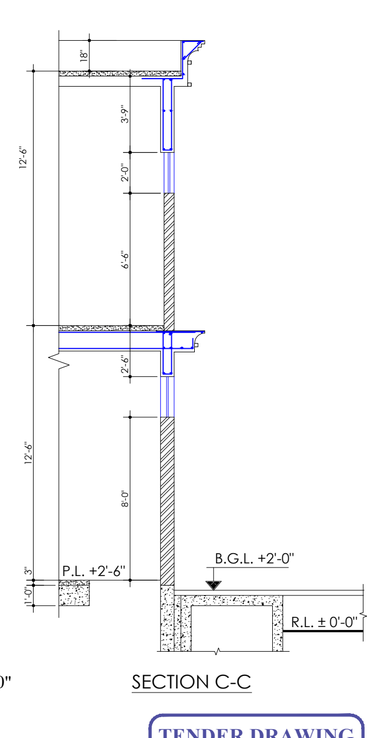
12" TH.1ST. FLOOR REINF. PLAN
Generator (33 & 66 kva)



SECTION A-A



SECTION B-B



SECTION C-C

TENDER DRAWING

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
GENERATOR BUILDING (33 &66 KVA)

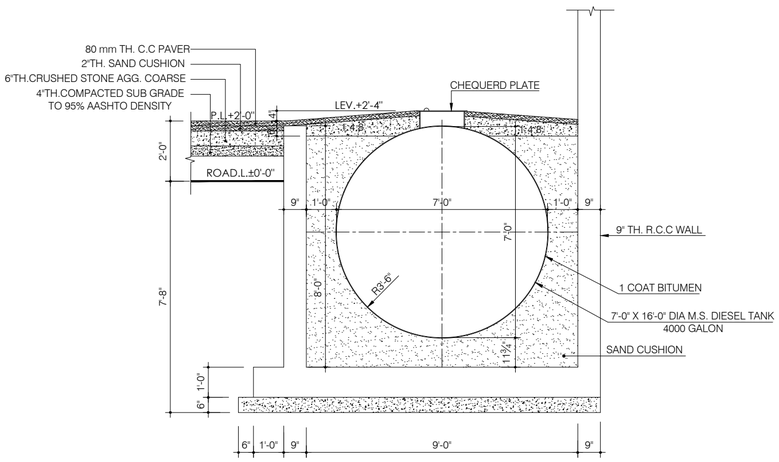
Consultant

ESS -I- AAR
PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

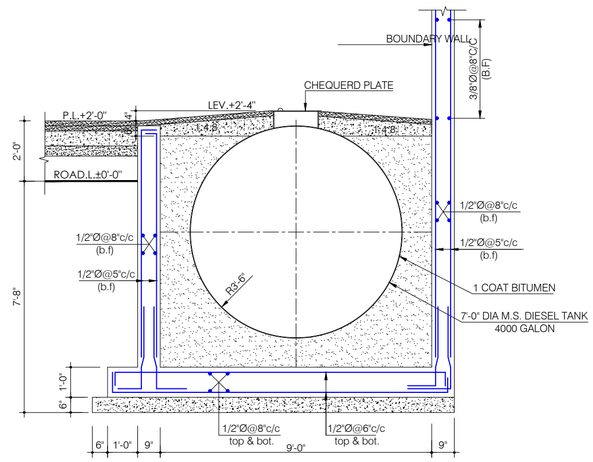
TITLE: 6" TH.1ST. FLOOR & ROOF BEAM FRAMING AND SLAB REINF. PLAN & DETAILS GENERATOR BUILDING (33 & 66 KVA)	DATE: 24-11-18	LOCATION :- E:\ STATE BANK P.C M.FARHAN	JOB REF. 886
MARK / REVISION / SIGN / DATE	REV-01	DRAWN: M.AKHTAR	SHEET REF. STR. **S=32**

NOTES:-

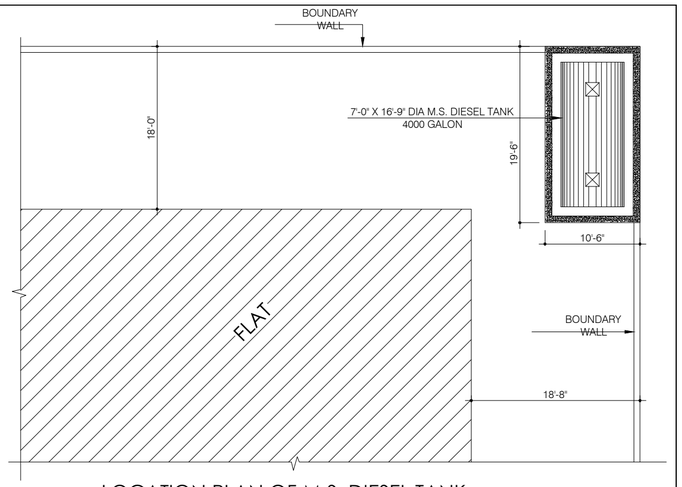
1. FOR GENERAL NOTES REFER DWG. NO. GN-01
2. CONCRETE SHALL HAVE A MINIMUM CYLENDER STRENGTH OF 3000 PSI
3. DIMENSION OF DIESEL TANK SHOWN HERE BASED ON REQUIRED CAPACITY AND ARE SUBJECT TO CHANGE AS PER VENDOR SPECIFICATIONTIONS



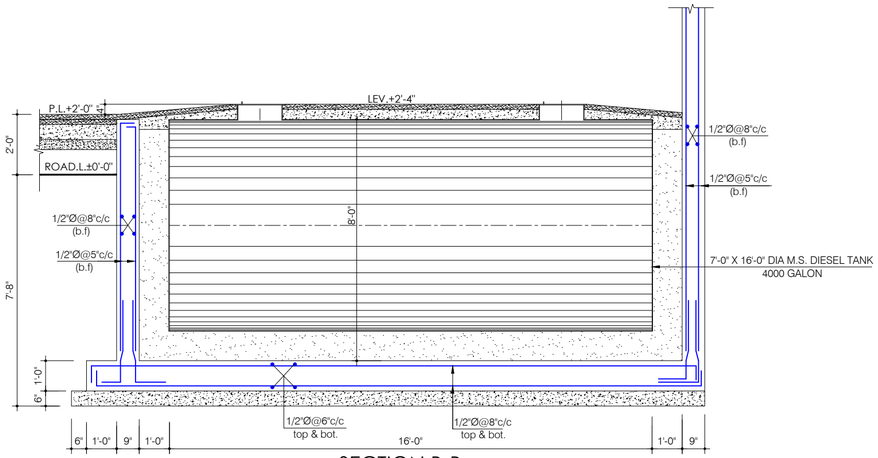
SECTION 1-1



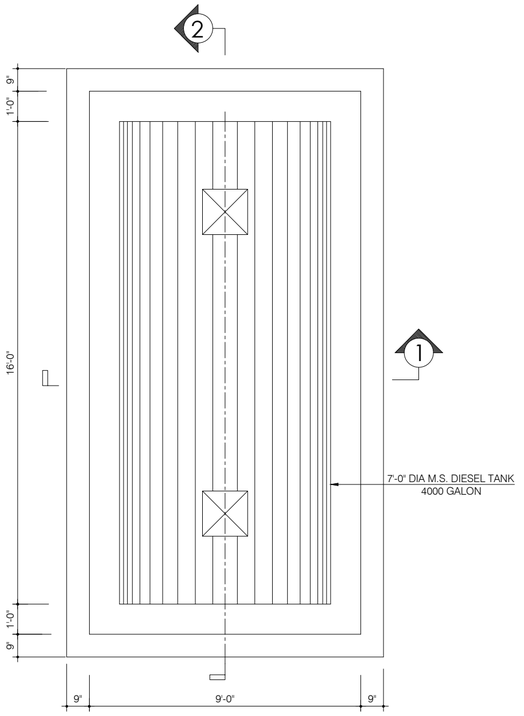
SECTION A-A



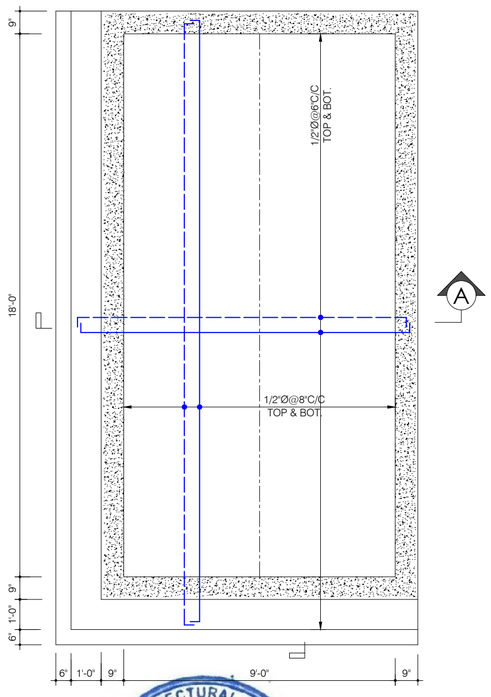
LOCATION PLAN OF M.S. DIESEL TANK



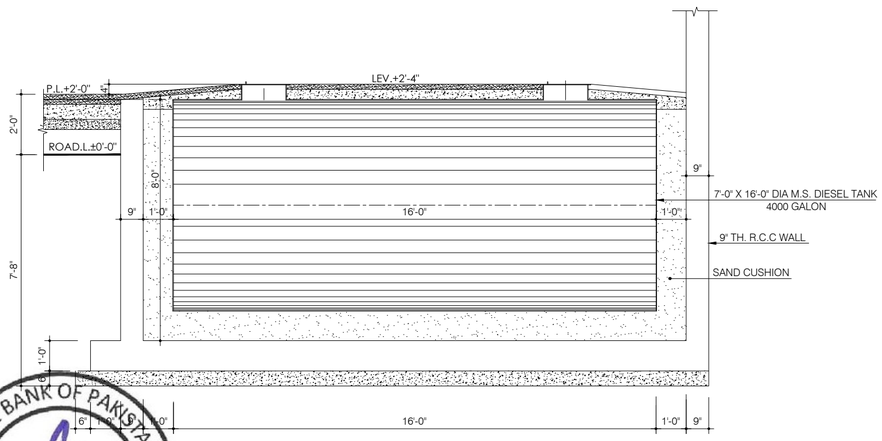
SECTION B-B



PLAN OF M.S DIESEL TANK



12"-TH.U.G TANK BOTT. SLAB REINF. PLAN

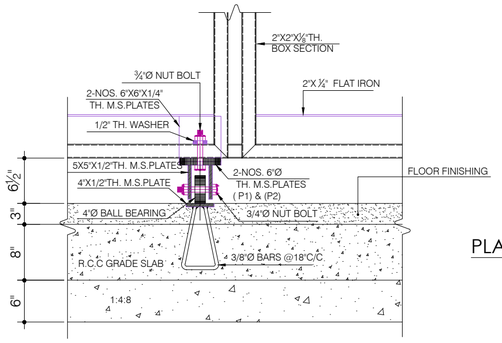


SECTION 2-2

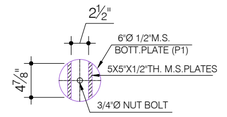
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **DIESEL TANK**	Consultant: PROJECT MANAGEMENT DIVISION — ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: PLAN AND SECTION OF M.S DIESEL TANK REINF. DETAILS
DATE: 24-11-18	LOCATION :- E: \ STATE BANK P.C M.FARHAN	JOB REF. 886	
MARK / REVISION / SIGN / DATE	DRAWN: M.AKHTAR	SHEET REF. STR.	**S=33**

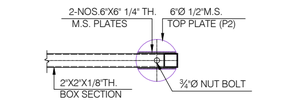
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi



Detail No.2 (ELEVATION)



PLAN OF BOTTOM PLATE (P1)



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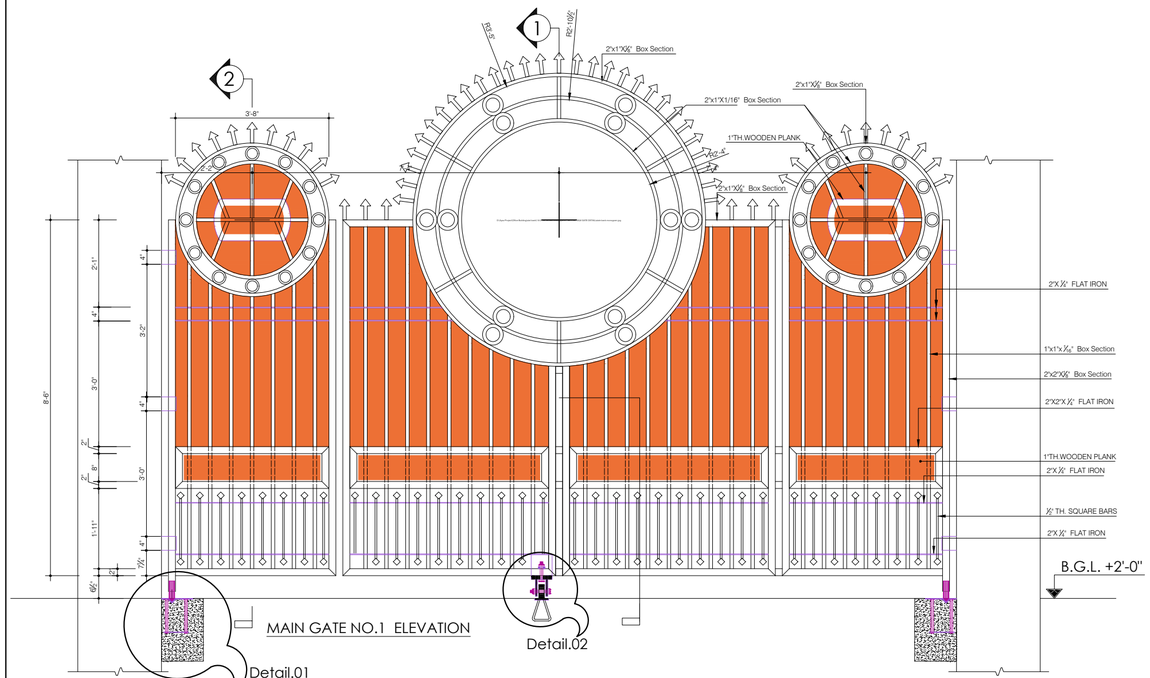
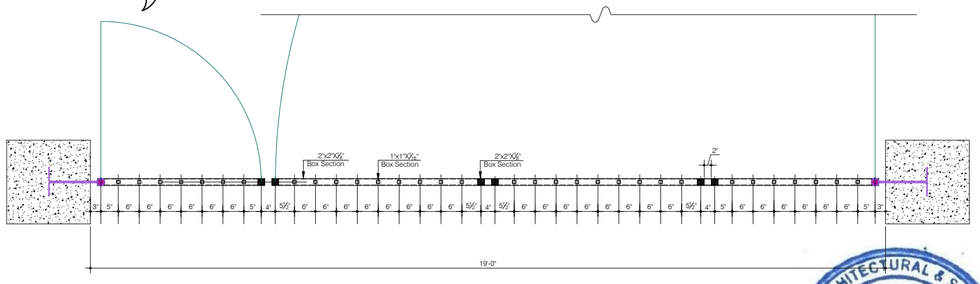
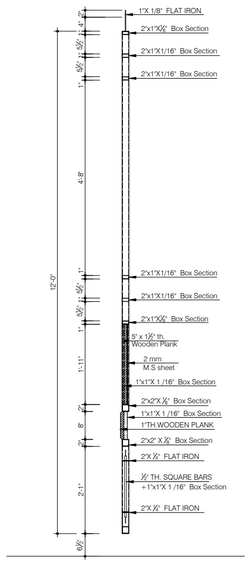
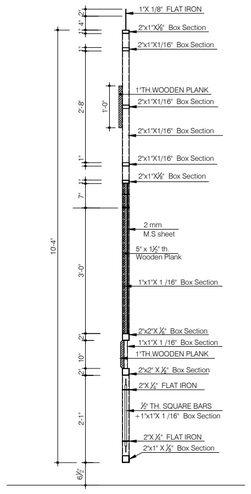




PLAN OF STEEL MAIN GATE NO.1



SECTION 1-1



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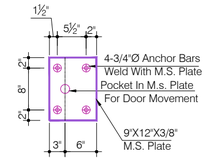
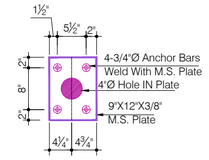


Plate P-1 (Plan)



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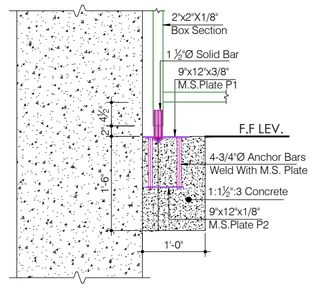

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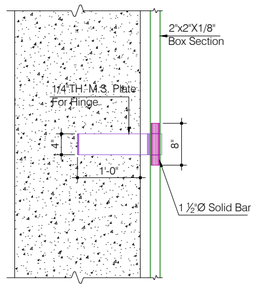

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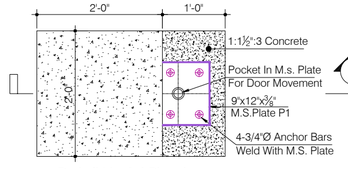

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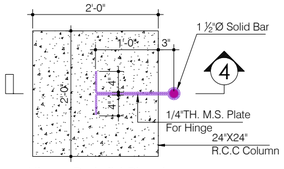


Hinge Detail (Plan)

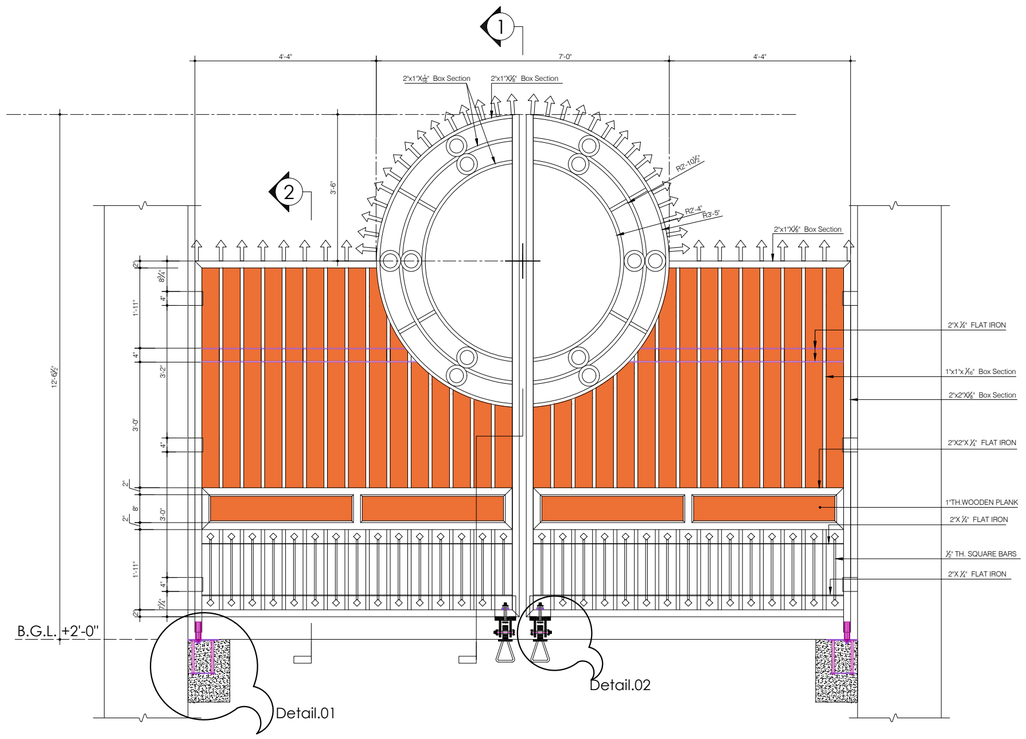
ENGG. ARCHITECTURAL & SERVICES
ESS.I.AAR
314, Mashriq Centre
S.E.S.
Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT
KARACHI

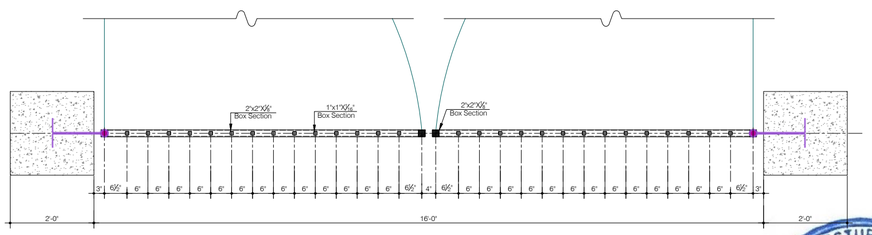
TENDER DRAWING

Client	Job	Consultant	TITLE: STEEL MAIN GATE NO.1 REINF. DETAIL'S
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 13 KARACHI , P. O. BOX NO. 7608	DATE: 24-11-18 · LOCATION :- E: \ STATE BANK P.C M.FARHAN · JOB REF. 886 · REV-0 · DRAWN: M.AKHTAR · SHEET REF. STR. **S=34**

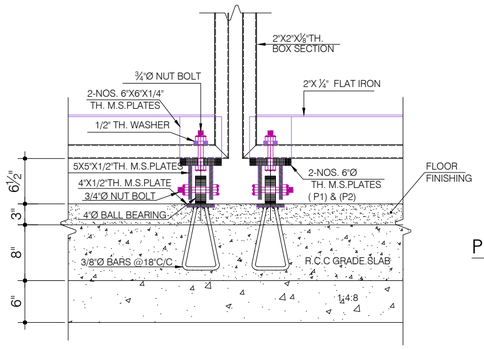
MARK	REVISION	SIGN	DATE



MAIN GATE NO.2 ELEVATION



Plan Of Steel Main Gate no.2



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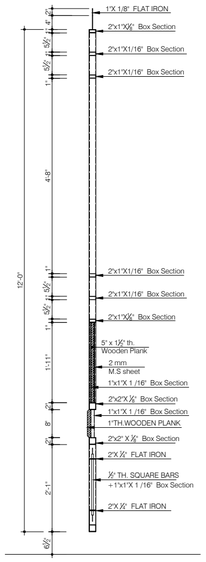

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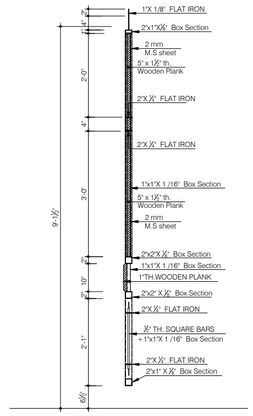

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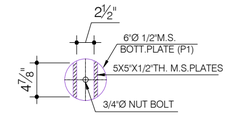
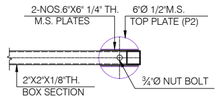


PLAN OF BOTTOM PLATE (P1)



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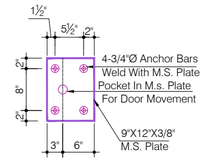
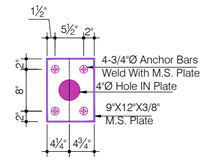


Plate P-1 (Plan)



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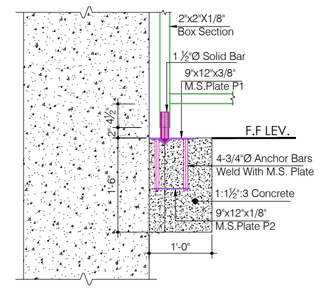

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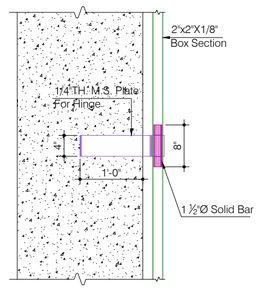

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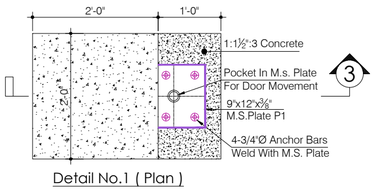

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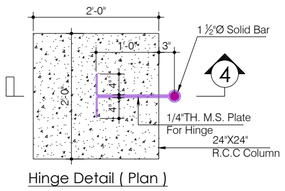


Hinge Detail (Plan)

ESS,IAAR
ARCHITECTURAL & SERVICES
314, Mashriq Centre
Shahrah-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT
KARACHI

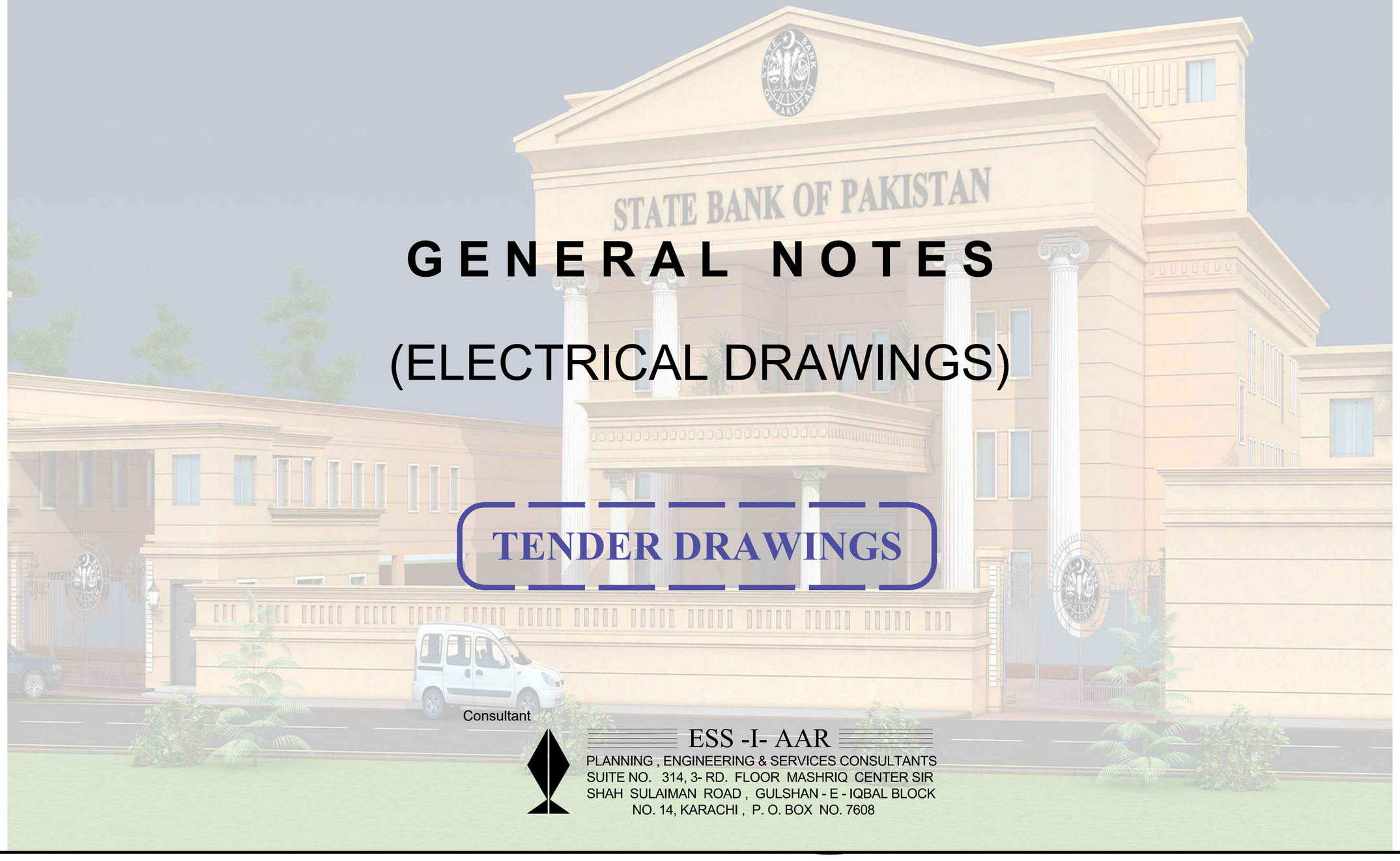
UNDER DRAWING

Client	Job	Consultant	TITLE: STEEL MAIN GATE NO.2 REINF. DETAIL'S
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14 KARACHI , P. O. BOX NO. 7608	DATE: 24-11-18 · LOCATION :- E: \ STATE BANK P.C M.FARHAN · JOB REF. 886 · DRAWN: M.AKHTAR · SHEET REF. STR. **S=35**

MARK	REVISION	SIGN	DATE

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



GENERAL NOTES

(ELECTRICAL DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

NOTES:-

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH INTERIOR, ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS ETC AND TO BE COORDINATED WITH OTHER SERVICES/WORKS. CHANGES IN THESE DRAWINGS TO BE MADE AS PER FINAL ARCHITECTURAL DRAWINGS.
2. ALL WIRING OF LIGHTING AND POWER SHALL BE WITH SINGLE CORE PVC INSULATED WIRES FOR SINGLE PHASE CIRCUIT. THE VOLTAGE GRADE OF WIRE SHALL BE 450/750V. OR THREE PHASE CIRCUIT IT WILL BE 600/1000 VOLTS.
3. INSPECTION/PULL/JUNCTION BOXES SHALL BE PROVIDED WHERE NECESSARY TO PULL THE WIRES/CABLES CONVENIENTLY THEIR REASONS, THEIR LOCATION SHALL BE HIDDEN BUT ACCESSIBLE, AS FAR AS POSSIBLE AS DIRECTED BY ENGINEER.
4. SHOP–DRAWINGS TO BE SUBMITTED FOR CONSULTANT'S APPROVAL BEFORE COMMENCEMENT OF WORK.
5. LOCATION OF OUTLET, FIXTURES, EQUIPMENT AND CONDUIT RUNS ARE SCHEMATIC, EXACT LOCATION TO BE INDICATED ON SHOP DRAWINGS DULY COORDINATED WITH OTHER WORKS/SERVICES ON SITE.
6. ALL UNDERGROUND PVC PIPE/CONDUIT SHALL BE SCHEDULE 'E' CLASS.
7. SWITCHES/SOCKETS ON SEPARATE PHASES SHALL BE INSTALLED IN SEPARATE GI BACK BOXES.
8. OUTLET BACK BOXES SHALL BE GI 16–SWG SHEET STEEL POWDER COATED AND COMPRISED OF A SUITABLE BRASS EARTH TERMINAL
9. FINAL CONNECTION TO LIGHT FIXTURE (IN FALSE CEILING) SHALL BE WITH 3–CORE PVC/PVC FLEXIBLE CABLE OF ADEQUATE SIZE.
10. FOLLOWING COLOR CODES SHALL BE FOLLOWED FOR GENERAL WIRING

	PHASE	NEUTRAL	EARTH
SINGLE PHASE WIRING	RED	BLACK	GREEN
THREE PHASE WIRING	RED, YELLOW, BLUE	BLACK	GREEN

11. ONLY ONE LIGHTING OR POWER CIRCUIT SHALL BE RUN IN ONE CONDUIT.
12. ALL EXTERNAL EQUIPMENT SHALL BE WEATHER PROOF TYPE. IP 56 OR IP 65 AS REQUIRED
13. CIRCUITS IN DB(s) ARE TO BE ARRANGED IN SUCH A WAY SO THAT LOAD BALANCING IS ACHIEVED. ALL CIRCUITS CABLES ARE TO BE LABELED AND LOAD DISTRIBUTION / CIRCUIT MAPP[ING SHEET PROVIDED IN DB, AS PER CONSULTANT INSTRUCTIONS
14. SAMPLES OF MATERIAL OR TECHNICAL SUBMITTALS ARE TO BE SUBMITTED FOR APPROVAL BEFORE MANUFACTURING/INSTALLATION.
15. AS–BUILT DRAWINGS (AS PER BoQ / SPECIFICATIONS) SHALL BE SUBMITTED WITHIN ONE MONTH OF PROJECT HANDOVER.
16. ALL MATERIALS SHALL BE NEW AND OF LATEST MODEL. NO DISCONTINUED MODELS SHALL BE USED.
17. ELECTRICAL INSTALLATIONS SHALL BE SUITABLE FOR 400/230V 50–HZ SUPPLY AS REQUIRED (EXCEPT OTHERWISE STATED)
18. ALL WORKS SHALL CONFORM TO REQUIREMENTS OF LATEST EDITION OF IEEE AND LOCAL ELECTRICAL AUTHORITIES, WHICH EVER IS STRINGENT. THE ELECTRICAL INSTALLATIONS SHALL BE COMPLETED IN ALL RESPECT. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF ELECTRICAL INSTALLATIONS FROM ELECTRIC INSPECTOR OF RELEVANT REGION.
19. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE PROPERLY EARTHED
20. ALL EQUIPMENT SHALL BE SELECTED FROM THE LIST OF APPROVED VENDORS PROVIDED WITH THE BOQ / SPECIFICATIONS. WHERE APPROVED "EQUIVALENT" BRANDS ARE STATED, EQUIVALENCY SHALL BE AT THE DISCRETION OF THE CLIENT OR ITS REPRESENTATIVE ENGINEER

ESS.I.AAR 314, Mashria Centre 5-5 Sunset Boulevard Phase II Extension Karachi

STATE BANK OF PAKISTAN ENGG. ARCHITECTURAL & SERVICES DEPARTMENT

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO: 14, KARACHI , P. O. BOX NO. 7608	TITLE: GENERAL NOTES	DATE: 07-06-2021	COM. LOCATION.	SHEET REF.: ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S	DRAWN: S.K	CHKD. BY: AA / JOB NO.	SBPG-G-EL-01

NOTES (CONTD..):-

21. HEIGHT OF ALL WALL OUTLETS SHALL BE AS PER ARCHITECT/CONSULTAN INSTRUCTIONS.

22. ALL FLUORESCENT FIXTURE SHALL BE WITH ELECTRONIC BALLASTS/STARTERS. LED LIGHTS SHALL HAVE A MINIMUM CRI > 90 FOR INDOOR LIGHTING FIXTURES AND >80 FOR OUTDOOR FIXTURES

23. CONDUIT UNDER FLOOR SHALL HAVE A MINIMUM DEPTH OF 50mm MEASURED FROM FINISH FLOOR LEVEL TO TOP OF CONDUIT.

24. MINIMUM SIZE OF CONDUIT SHALL BE 25mm ø, UNLESS OTHERWISE INDICATED.

25. THE ELECTRICAL RESISTANCE OF ECC TOGETHER WITH EARTH LEAD AND ELECTRODE SHALL NOT EXCEED ONE OHM. THE CONTRACTOR SHALL OBTAIN INSTRUCTIONS FROM CONSULTANT FOR ANY ADDITIONAL EARTHING ETC.

26. RUNNING LENGTHS SHOWN IN B.O.Q ARE NOT EXACT CONTRACTOR SHALL HAVE TO TAKE MEASUREMENTS FROM AS PER SITE BEFORE PURCHASING THE MATERIAL.

27. CONDUIT AND CABLES TO BE LAID UNDER FLOOR SHALL BE IN COORDINATION WITH OTHERS SERVICES.

28. POWER FOR HVAC AND OTHER MECHANICAL EQUIPMENT SHALL BE TERMINATED UP TO MCC/ISOLATOR/BREAKER ONLY. WIRING ONWARD FROM RELEVANT MCC, ISOLATOR/BREAKER WILL BE PART OF HVAC/MECHANICAL CONTRACTOR'S SCOPE OF WORKS.

29. EACH CIRCUIT TO HAVE ITS INDEPENDENT NEUTRAL AND EARTH FROM DB.

30. THE CONDUIT SHALL HAVE A MINIMUM COVERING OF 20 mm OF CONCRETE/TILES, ETC.

31. INSPECTION BOX, PULL BOX, JUNCTION BOX, ETC. SHALL BE PROVIDED WHERE NECESSARY TO PULL THE WIRES CONVENIENTLY.

32. FOR EXACT LOCATION OF LIGHTING FIXTURES REFER TO ARCHITECTURAL DRAWINGS.

33. ALL CONDUITS RUN ABOVE FALSE CEILING SHALL BE LABELED / IMPRINTED WITH THE NAMES OF RESPECTIVE SERVICES.

34. DIFFERENT SYSTEM WIRING TO RUN IN DIFFERENT CONDUITS.

35. CONTRACTOR MUST COORDINATE WITH OTHER TRADE DRAWINGS

36. THE ELECTRICAL RESISTANCE OF LIGHTING PROTECTION SYSTEM EARTHING TOGETHER WITH EARTH LEAD AND ELECTRODE SHOULD NOT EXCEED TEN OHM.

37. THE MAKES STATED IN THE TENDER DRAWINGS/DOCUMENTS ARE FOR REFERENCE TO A PARTICULAR CLASS OF QUALITY OR PERFORMANCE REQUIREMENT. EQUIVALENT OR BETTER MAKES COULD ALSO BE OFFERED. APPROVAL OF EQUIVALENCE OF MAKES SHALL BE THE DISCRETION OF

38. ALL EXTERNAL INSTALLATION SHALL BE WEATHER PROOF TYPE.

39. NOT MORE THAN TWO RIGHT ANGLE BENDS BETWEEN CONDUIT RUN AND DRAW IN BOXES SHALL BE PERMITTED.

40. THE SWITCH BOXES SHALL BE INSTALLED 100mm FROM THE OUTER FACE OF DOOR FRAME.

41. ALL MATERIAL USED SHALL BE SUITABLE FOR AN AMBIENT TEMPERATURE OF 45C°.

42. MAXIMUM CAPACITY OF WIRES IN PVC CONDUITS SHALL BE AS FOLLOWS:—

CONDUITS \ CABLES	1.5sqmm	2.5sqmm	4sqmm	6sqmm	10sqmm	16sqmm	25sqmm
20mm ø	8	5	4	3	2	--	--
25mm ø	12	9	6	5	3	3	2
32mm ø	16	13	9	9	5	4	3

MOUNTING HEIGHTS

1. LIGHT SWITCH	= 1000mm BOTTOM FROM F.F.L.
2. SOCKETS, DATA & VOICE OUTLETS.	
a. LOW LEVEL	= 200mm BOTTOM FROM F.F.L.
b. HIGH LEVEL	= 1000mm BOTTOM FROM F.F.L.
c. UNDER WORK STATION	= 450mm BOTTOM FROM F.F.L.
3. TV OUTLET	= 1200mm BOTTOM FROM F.F.L.
4. BREAK GLASS UNIT	= 1200mm BOTTOM FROM F.F.L.
5. BELL / SOUNDER	= 2100mm BOTTOM FROM F.F.L.
6. DB & OTHER PANELS	= 1800mm TOP FROM F.F.L.

(OR CONFIRMED BY ARCHITECT)

TENDER DRAWING

ESS.I.AAR 314, Mashriq Centre, S.S. Sulaiman Road, Gulshan-e-Iqbal, Karachi

STATE BANK OF PAKISTAN ★ ENGINEERING DEPARTMENT ★ PROJECT MANAGEMENT UNIT

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GENERAL NOTES & MOUNTING HEIGHTS	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-G-EL-01-A

SCHEDULE OF LIGHTS FIXTURES

S.NO	F.ID	SYMBOL	DESCRIPTION	LAMP TYPE	WATTAGE	MOUNTING	IP RATING	F.L	B.L	S.B	M.B	EXT
1	A1		DOWN LIGHT	LED	15 WATT	CEILING/RECESSED	IP-20	X				
2	A2		DOWN LIGHT	LED	12 WATT	CEILING/RECESSED	IP-20		X			
3	A3		DOWN LIGHT	LED	26 WATT	CEILING/RECESSED	IP-20				X	
4	A4		DOWN LIGHT	LED	15 WATT	CEILING/RECESSED	IP-20			X		
5	A5		HIGH BAY LIGHT	LED	50 WATT	CEILING/RECESSED	IP-20				X	
6	B1		LED BRACKET LIGHT	LED	6 WATT	WALL	IP-00		X			
7	B2		LED WALL LIGHT	LED	15 WATT	WALL	IP-65	X		X		
8	B3		LED BRACKET LIGHT	LED	23 WATT	WALL	IP-65				X	X
9	B4		LED BULK HEAD FITTING	LED	20 WATT	WALL	IP-65		X			
10	B5		LED GATE LIGHT	LED	12 WATT	WALL	IP-65		X			
11	B6		LED WALL LIGHT	LED	12WATT	WALL	IP-65		X			
12	B7		LED WALL SHELL	LED	9 WATT	WALL	IP-65		X			
13	B8		MIRROR LIGHTS	LED	06 WATT	WALL	IP-20	X		X	X	
14	B9		MIRROR LIGHTS IN WASH ROOMS	LED	12 WATT	WALL	IP-20		X			
15	B10	D.W	DRIVE WAY LIGHT	LED	20 WATT	WALL	IP-20		X			
16	C1		2x2 LED FLAT PANEL	LED	42 WATT	CEILING/RECESSED	IP-20		X		X	
17	C2		LED TUBE LIGHT / LED TUBE LIGHT WEATHER PROOF 4' FEET	LED	18 WATT	CEILING / WALL	IP-20	X	X			
18	C3		LED TUBE LIGHT	LED	20 WATT	CEILING / WALL	IP-20		X		X	X
19	C4		LED LAMP WITH COVER	LED	2x18WATT	CEILING / WALL	IP-20				X	
20	D1		CHANDELIER	LED	150 WATT	CEILING/RECESSED	IP-20	X	X	X		
21	E1		SECURITY LIGHT	LED	100 WATT	WALL	IP-65					X
22	F1	WP	POLE LIGHT	LED	60 WATT	WALL	IP-65					X
23	G1	DIR	DIRECTION LIGHT	LED	3 WATT	WALL	IP-65	X	X	X	X	
24	G2		EMERGENCY LIGHT 8 WATT & SUN BACK UP BATTERY SPORTED	LED	10 WATT	WALL	IP-65	X	X	X	X	
			SCHEDULE OF GENERAL LEGENDS									
25			CEILING FAN 56"	-------	100 WATT	WALL	-------	X	X			
26			BRACKET FAN 18"	-------	60 WATT	WALL	-------		X		X	X
27			EXHAUST FAN 10"	-------	40 WATT	WALL	-------	X				
28		HD	HAND DRYER	-------	200 WATT	WALL	-------	X				
29			DOOR BELL	-------	-------	WALL	-------		X			
30			BELL PUSH SWITCH	-------	-------	WALL	-------		X			
31		AC UNIT	1.5 TR A/C UNIT	-------	REFER LOAD SHEET	WALL	-------		X			
32		INSECTS KILLER	INSECTS KILLER	-------	2000 WATT	RECESSED	-------	X				

FLATS = F.L
BUNGALOW = B.L
SECURITY BUILDING = S.B
MAIN BUILDING = M.B
EXTERNAL = EXT

POWER LEGENDS

S.NO	SYMBOL	DESCRIPTION
1		GANG SWICH
2		TV SOCKET
3		2 PIN 5 -10 A POWER SOCKET
4		3 PIN 5/10/13 A POWER SOCKET
5		15 A POWER PLUG SOCKET & UNDER GROUND 15 A POWER PLUG
6		15A POWER PLUG
7		25 A AC PLUG SOCKET
8		TELE PHONE SOCKET OUTLET
9		DATA SOCKET OUTLET
10		FIRE EXTINGUISHER POWDER TYPE
11		PULL BOX
12		16/20 A INDUSTRIAL SOCKET
13	TV J B	TV JUNCTION BOX
14	T J B	TELEPHONE JUNCTION BOX
15		DISTRIBUTION BOARD
16		MAIN DISTRIBUTION BOARD
17		EARTH POINT
18		CABLE TRAY
19		CABEL TRENCH
20		TECHNOLOGY / FLOOR BOX 3 Nos. Flat Pin Power Outlets; One No. Telephone & One No. Ethernet Net Point
21		32A SP - Industrial Isolator

FIRE ALARM LEGENDS

S.NO	SYMBOL	DESCRIPTION
1	SD	SMOKE DETECTOR
2	HS	HEAT DETECTOR
3	MS	MULTI SENSOR
4	FAS	FA SOUNDER AND FLASHER
5		ELECTRONIC SOUNDER
6	MCP	MANUAL CALL POINT WITH GLASS BREAK
7	FIRE EXIT	FIRE EXIT LIGHT
8	FACP	FIRE ALARM CONTROL PANEL-FACP
9	MULTI-PULL.BOX	TRANSMITTER/RECEIVER MULTI PULL BOX
10		1" DIA PVC CONDUIT FOR F.A SYSTEM IN SLAB
	PUBLIC ADDRESS ALARM	
11	SP	6W/ CEILING MOUNTED SPEAKER
12	S.P 3W	3W/ CEILING MOUNTED SPEAKER
13	S.P 9W	9W/ CEILING MOUNTED SPEAKER
14	IP NETWORK AMPLIFIER	IP NETWORK AMPLIFIER
15		10"Ø PVC CONDUIT FOR SPEAKER CABLE PIPE IN SLAB
16	VC	VOLUME CONTROLLER
17		LAN OUTLET BY ICT
18	RACKMONT IP NETWORK TERMINAL	RACK MOUNT IP NETWORK TERMINAL
19	MULTI-PULL.BOX	MULTI PULL BOX

ICT POWER LEGENDS

S.NO.	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
1.		I.T R A C K	
2.	A.	INTERNATIONAL POWER SOCKET	(FFL + 18 INCHES)
3.	B.	INTERNATIONAL POWER SOCKET	(FFL + 18 INCHES)
4.	C.	INTERNATIONAL POWER SOCKET	12" below from ceiling
5.	D.	INTERNATIONAL POWER SOCKET	
6.	E.	INTERNATIONAL POWER SOCKET	6 "ABOVE FALSE CEILING
7.		INDUSTRIAL SOCKET	(FFL + 91 INCHES)
8.		INDUSTRIAL SOCKET	(FFL + 18 INCHES)
9.		ACCESS CONTROLLER	(FFL + 18 INCHES)
10.		INTERNATIONAL POWER SOCKET 16 AMP	(FFL + 18 INCHES)

MOUNTING HEIGHT OF LIGHTS / SWITCHES / SOCKETS SHALL BE AS PER ARCH. APPROVAL / SITE CONDITION.
LOCATION OF POWER OUTLETS /S COKETS ETC TO BE AS PER EQUIPMENT LAYOUT / ARCH. APPORVAL /S ITE CONDTIONS.
WATTAGE OF LAMPS TO BE FINAZIED AT LATER STAGE

ESS.I.AAR 314, Mashriq Centre 5-5 Sunset Blvd. Phase-II Extn. Karachi

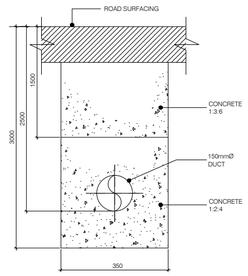
STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DEPARTMENT ★ ENGINEERING DIVISION

TENDER DRAWING

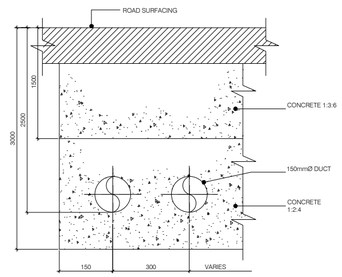
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS DISTRICT NO. 314, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO: 14, KARACHI , P. O. BOX NO. 7608	TITLE: MASTER-ELECTRICAL LEGENDS	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-G-EL-02

NOTE:

A MINIMUM OF TWO SPARE DUCTS SHALL BE PROVIDED IN THE INSTALLATION



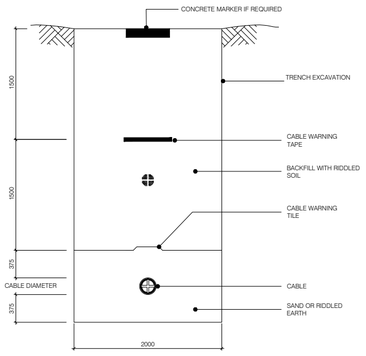
DETAILS FOR SINGLE CABLE



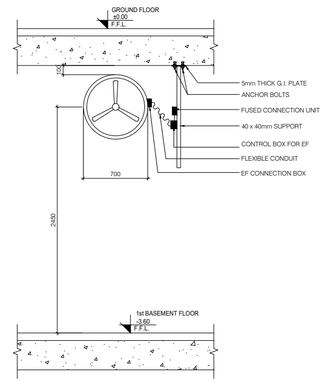
DETAILS FOR TWO OR MORE CABLE

NOTES:

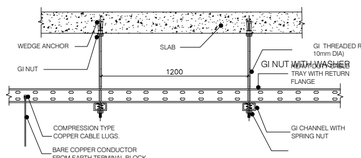
1. IF MORE THAN ONE CABLE LAID MAINTAIN THE DISTANCE BETWEEN CENTRE TO CENTRE OF CABLE 200mm. AND EACH CABLE OF ROW TO CARRY CABLE WARNING TILE.



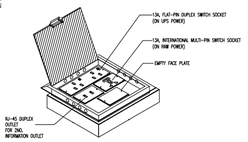
CABLE LAYING DETAIL DIRECT BURIED CABLE



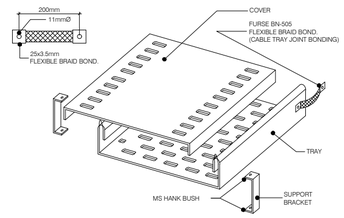
TYPICAL CONNECTION DETAIL OF EXHAUST FAN



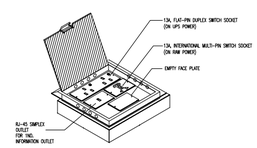
CABLE TRAY FIXING DETAILS



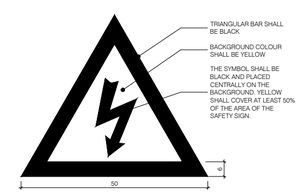
FLOOR OUTLET BOX (TYPE-B)



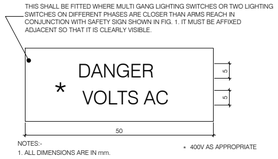
CABLE TRAY DETAIL



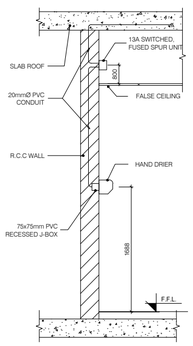
FLOOR OUTLET BOX (TYPE-A)



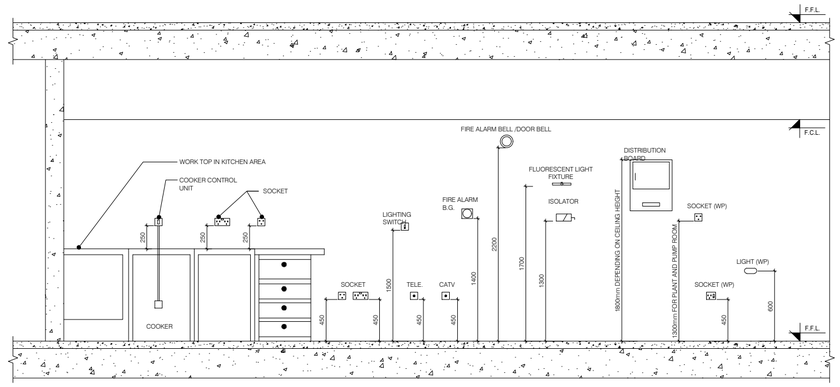
WARNING SIGNS (FIG-1)



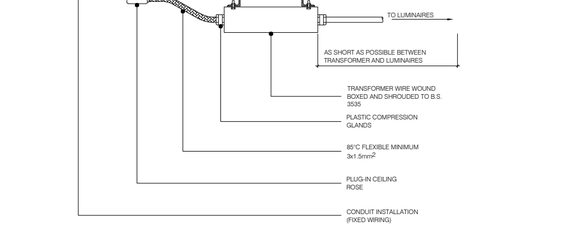
WARNING SIGNS (FIG-2)



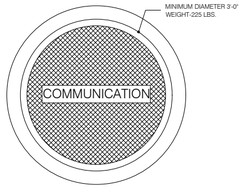
TYPICAL HAND DRYER INSTALLATION DETAIL



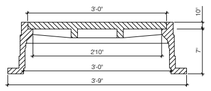
STANDARD MOUNTING HEIGHT OF ELECTRICAL ACCESSORIES



INSTALLATION DETAIL OF TRANSFORMER FOR LOW VOLTAGE LIGHTING

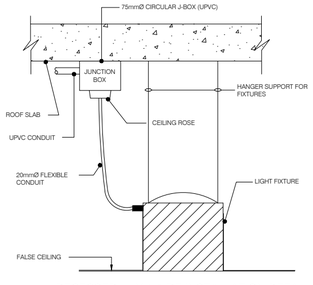


PLAN

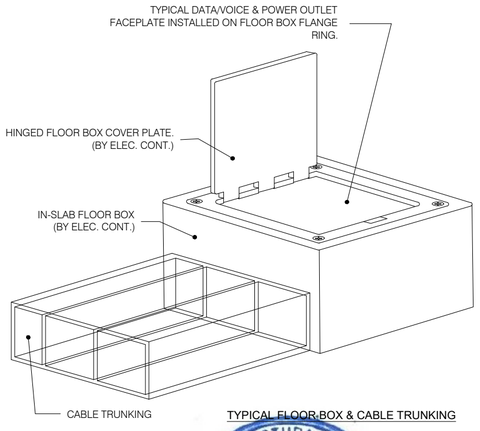


SECTION A-A

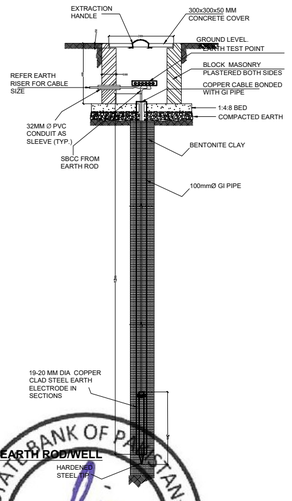
TELECOMMUNICATION MANHOLE COVER DETAIL



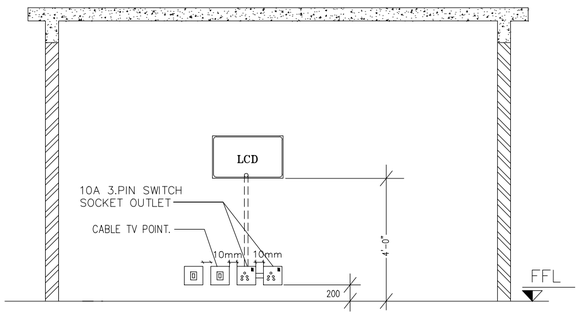
RECESSED LUMINAIRE INSTALLATION DETAIL



TYPICAL FLOOR BOX & CABLE TRUNKING



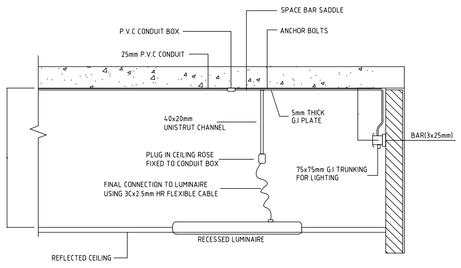
DETAIL OF EARTH ROD/WELL



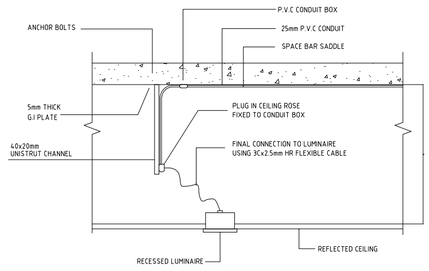
TYPICAL DETAIL 0F 10A SOCKET ,TELEPHONE ,INTERCOM, & TV SWITCHES

TENDER DRAWING

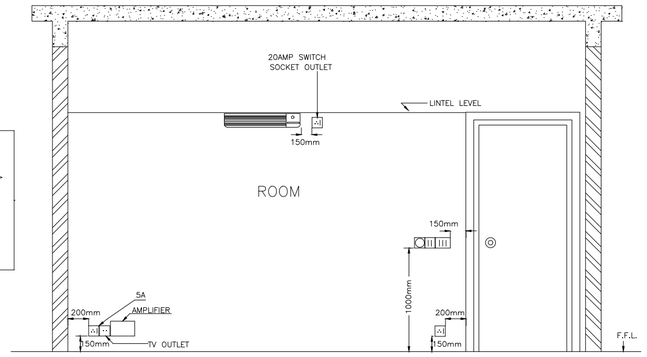
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO: 14, KARACHI , P. O. BOX NO. 7608	TITLE: ELECTRICAL STANDARD DETAILS	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-G-EL-02A

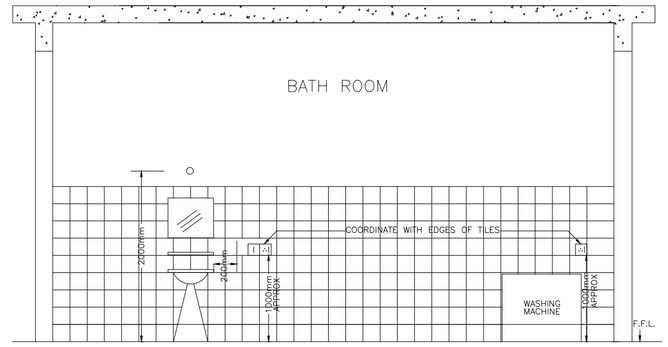


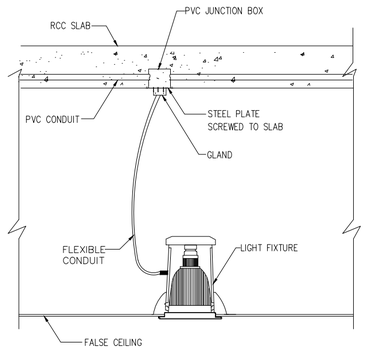
LIGHT FIXING DETAIL "B"
(FOR TYPE A & B)
SCALE-NTS



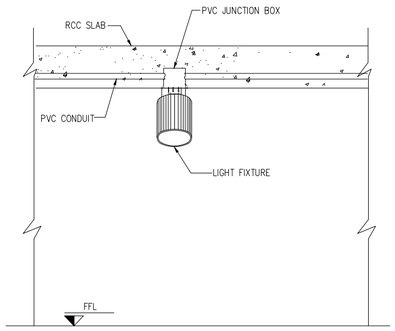
LIGHT FIXING DETAIL "A"
(FOR TYPE B,C,D,E,& F)
SCALE-NTS



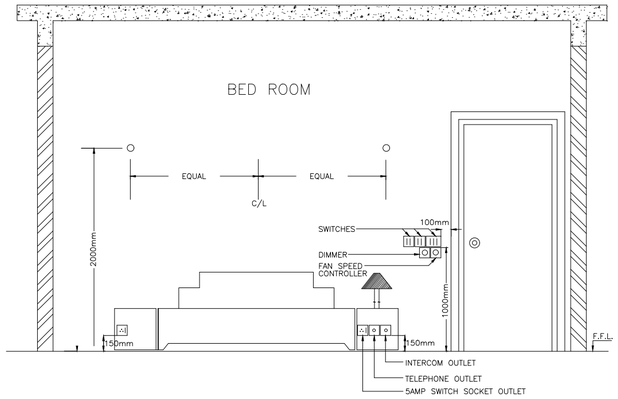




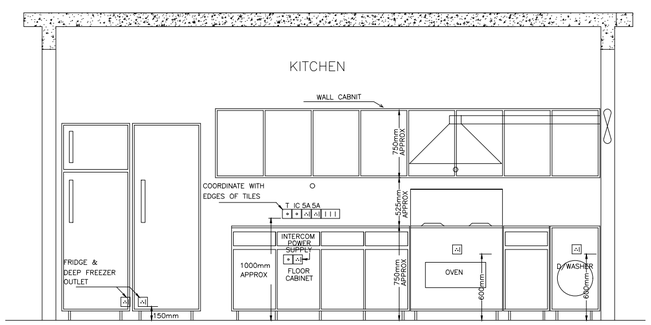
RECESSED LUMINAIRE INSTALLATION DETAIL

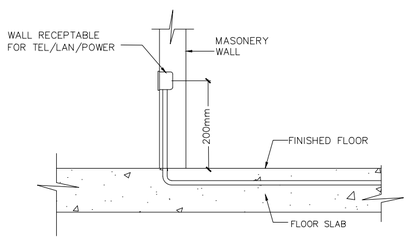


SURFACE LUMINAIRE INSTALLATION DETAIL

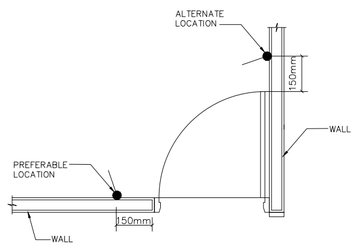


TYPICAL DETAIL-15A/5A SOCKET,
TELEPHONE,INTERCOM,TV & SWITCHES

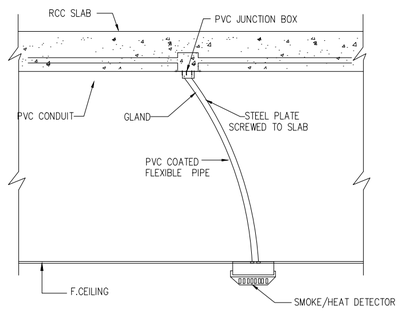




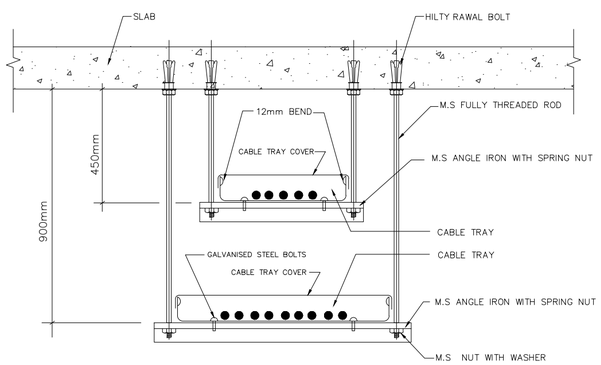
RECEPTACLE INSTALLATION DETAIL



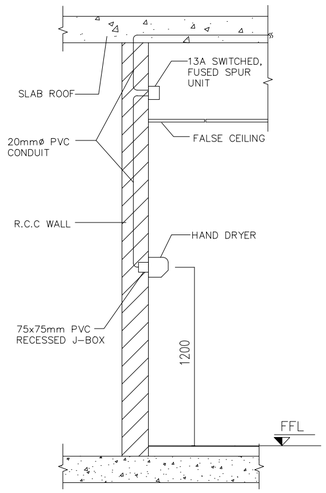
SWITCH LOCATION DETAIL



FIRE ALARM SYSTEM FLEXIBLE CONDUIT



SECTIONAL DETAIL-A
MOUNTING ARRANGEMENT OF CABLE TRAY



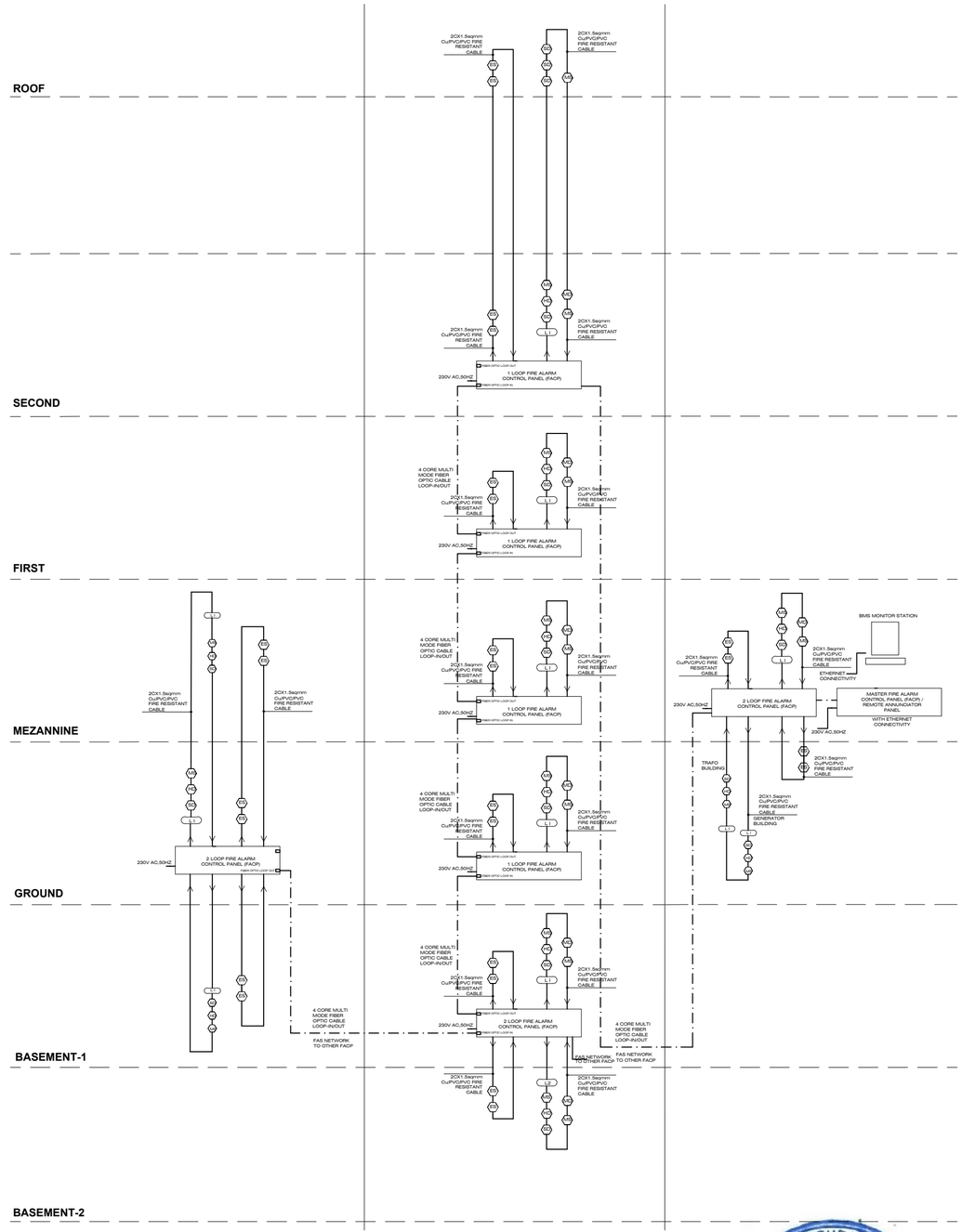
TYPICAL HAND DRYER
INSTALLATION DETAIL

TENDER DRAWING

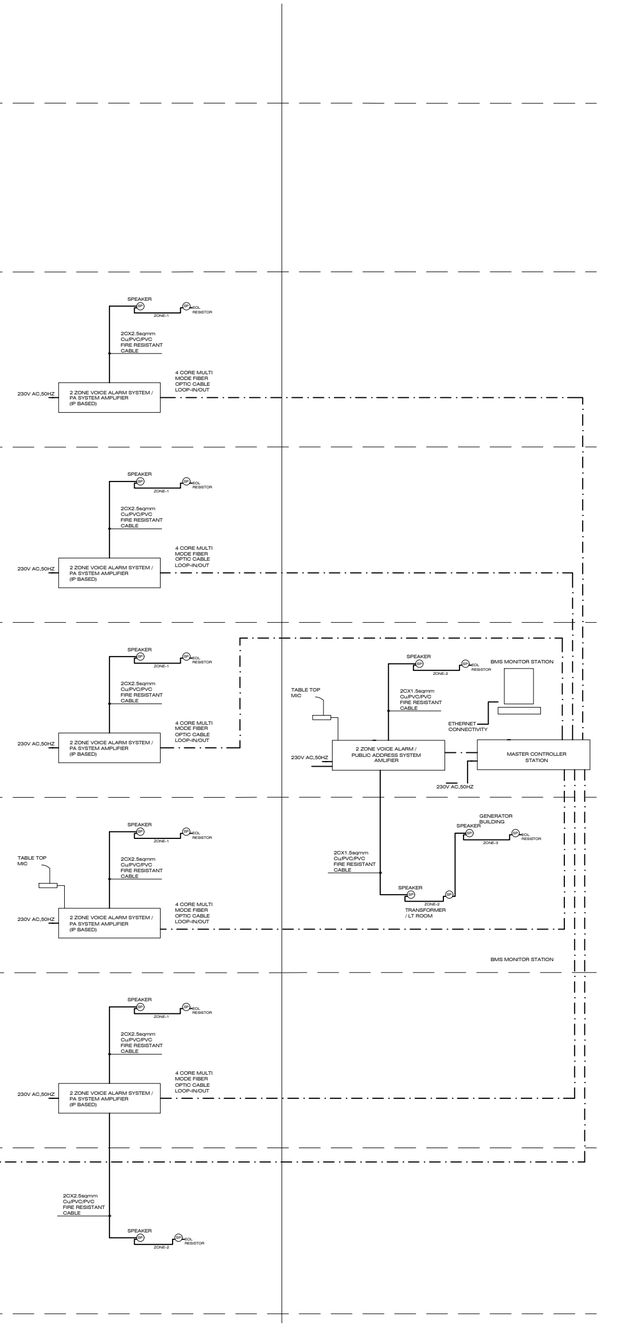
ESS.I.AAR 314, Mashriq Centre S.S Sultan Road Karachi

STATE BANK OF PAKISTAN PROJECT MANAGEMENT DEPARTMENT KHI

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: ELECTRICAL STANDARD DETAILS	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-G-EL-02B



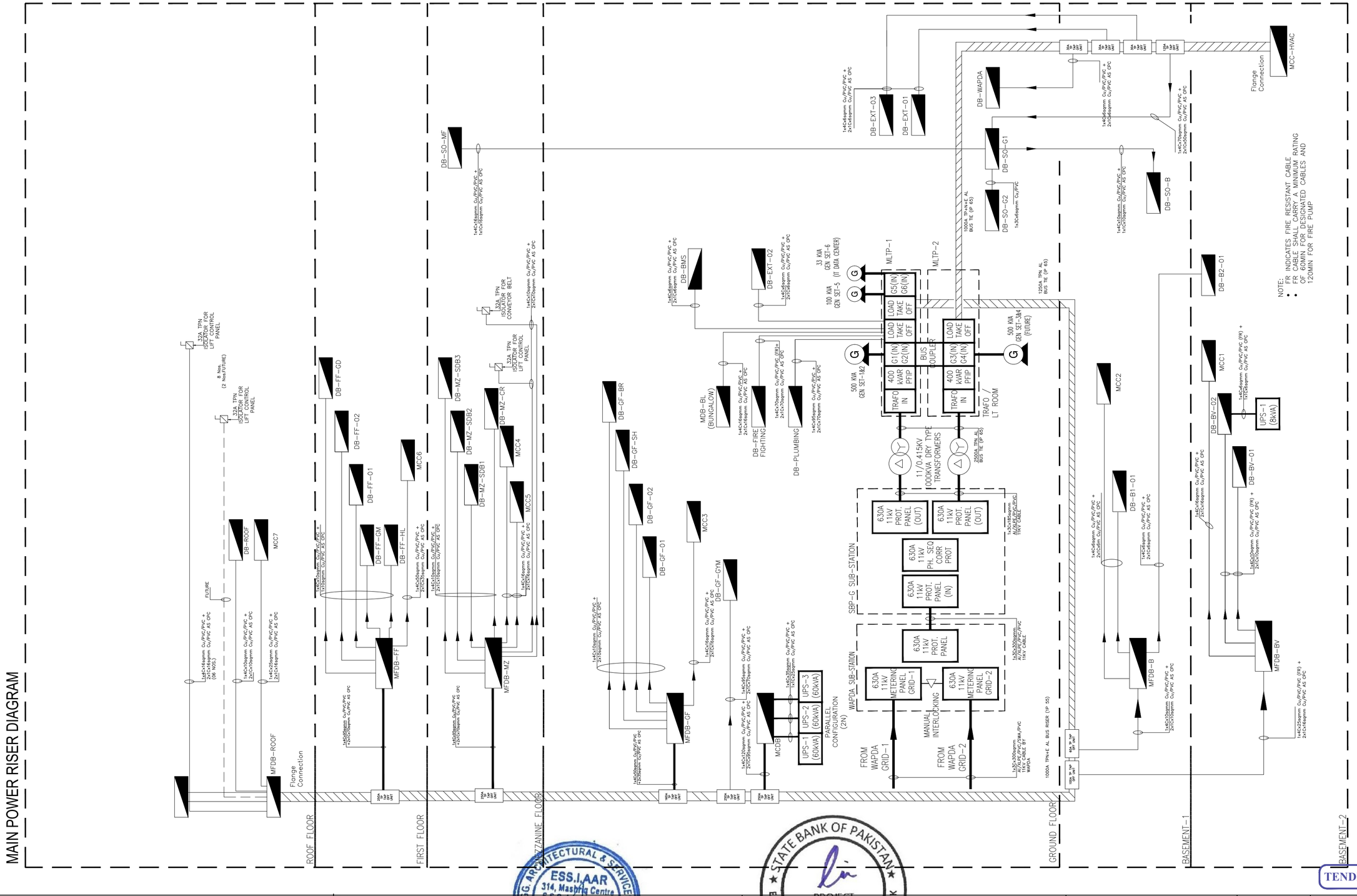
FIRE ALARM SCHEMATIC



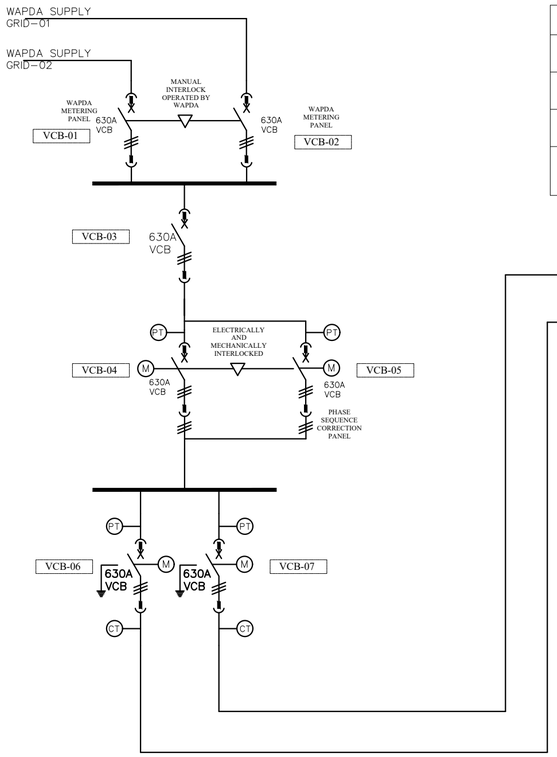
PUBLIC ADDRESS SYSTEM SCHEMATIC

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO: 14, KARACHI , P. O. BOX NO. 7608	TITLE: MAIN SYSTEMS SCHEMATIC DIAGRAM	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-G-EL-03



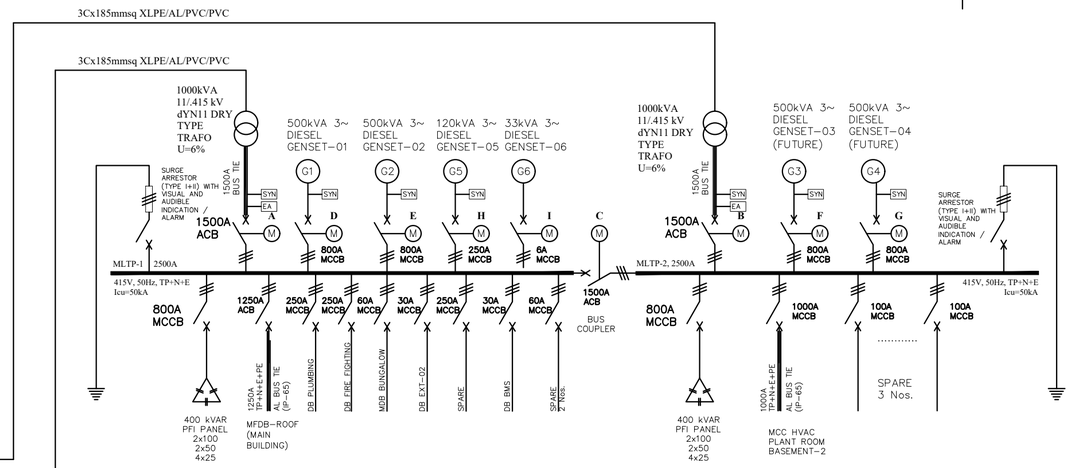
Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	PROJECT MANAGEMENT DIRECTORATE ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	MAIN POWER RISER DIAGRAM	07-06-2021		ELECT.
			Ref. Rev. AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE N.T.S	DRAWN S.K	CHKD. BY AA	JOB NO.	SBPG-G-EL-04



SINGLE LINE DIAGRAM

SYNCH LOGIC / SEQUENCE OF OPERATION

A	B	C	D	E	F	G	H	REMARKS
ON	ON	OFF	OFF	OFF	OFF	OFF	N/A	NORMAL SUPPLY IS AVAILABLE AND BOTH TRANSFORMERS OPERATIONAL
ON	OFF	ON	OFF	OFF	OFF	OFF	N/A	TRAFO-01 OPERATIONAL, TRAFO-02 NON OPERATIONAL BUS COUPLER ON
OFF	OFF	ON	–	–	–	–	N/A	MAINS NOT AVAILABLE OR BOTH TRAFO NON OPERATIONAL, RBUS COUPLER ON. ALL OR ANY GENERATOR ON
OFF	OFF	–	OFF	OFF	OFF	OFF	ON	SUPPLY ONLY TO IT DATA CENTER IF AFTER EVEN 5 MIN, G6 SHALL START

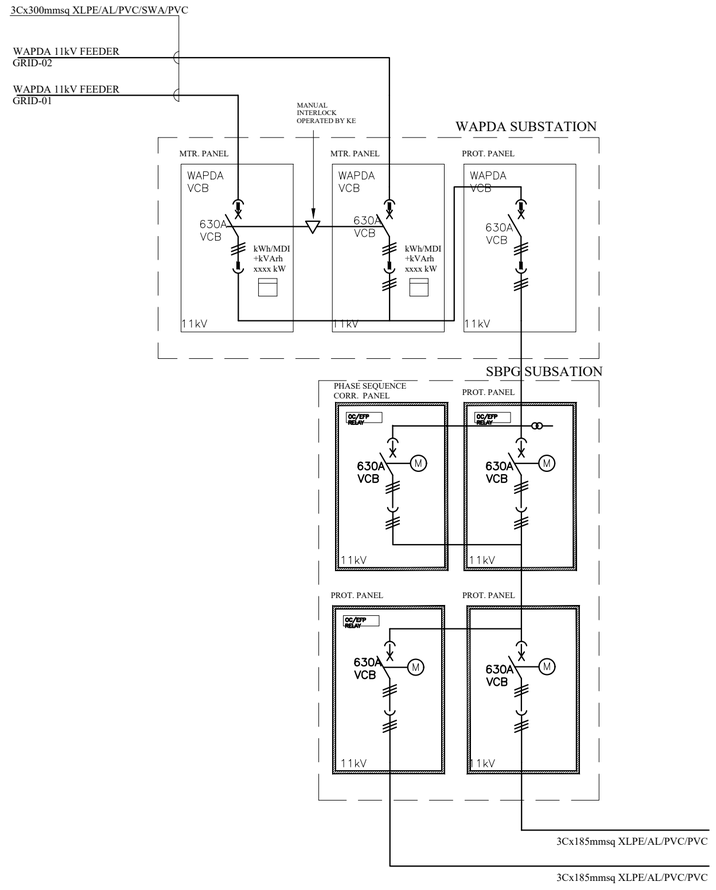


NOTE:

- PROVIDE PHASE FAILURE / PHASE REVERSAL INDICATION
- PROVIDE AUDIBLE ALARM FOR ANY FAULT CONDITION
- PROVIDE ALARM SILENCE PUSH BUTTON WITH TIMER
- PROVIDE PANEL LIGHT AND THERMOSTAT WITH ANTI CONDENSATE HEATER
- PROVIDE AUTO/MANUAL/OFF SWITCH FOR LOCAL OPERATION OF GENERATOR / TRANSFORMER
- PROVIDE PUSH BUTTONS FOR MANUAL START OF GENERATOR
- PROVIDE INDICATIONS FOR MAINS AVAILABLE, GENERATORS AVAILABLE AND IF LOAD IS ON MAINS OR GENSET
- SYNCH MODULE SHALL BE CAPABLE OF LOAD SHEDDING AND LOAD SHARING
- IN CASE OF MAIN RESTORE TRANSFER FROM GENSET TO MAINS SHALL BE BUMPLESS
- ALL ENERGY ANALYZERS (EA) SHALL BE NETWORK TYPE AND CONNECTED TOGETHER AS PER MANUFACTURER's RECOMMENDATION
- CONTRACTOR SHALL CARRY OUT CONTROL CABLING BETWEEN ENERGY ANALYZERS UP TO NETWORK SWITCH
- ACTIVE IT EQUIPMENT SHALL BE PROVIDED BY CLIENT
- PROVIDE ETHERNET GATEWAY FOR REMOTE VIEWING OF ENERGY CONDITION ON PC
- PROVIDE APPROPRIATE SOFTWARE FOR REMOTE VIEWING AND MANAGEMENT OF FACILITY ENERGY CONSUMPTION

LEGENDS

SYMBOL	DESCRIPTION
630A VCB	630A TP VCB WITH MOTOR OPERATOR CLIENT PROPERTY
630A VCB	630A TP VCB WAPDA PROPERTY



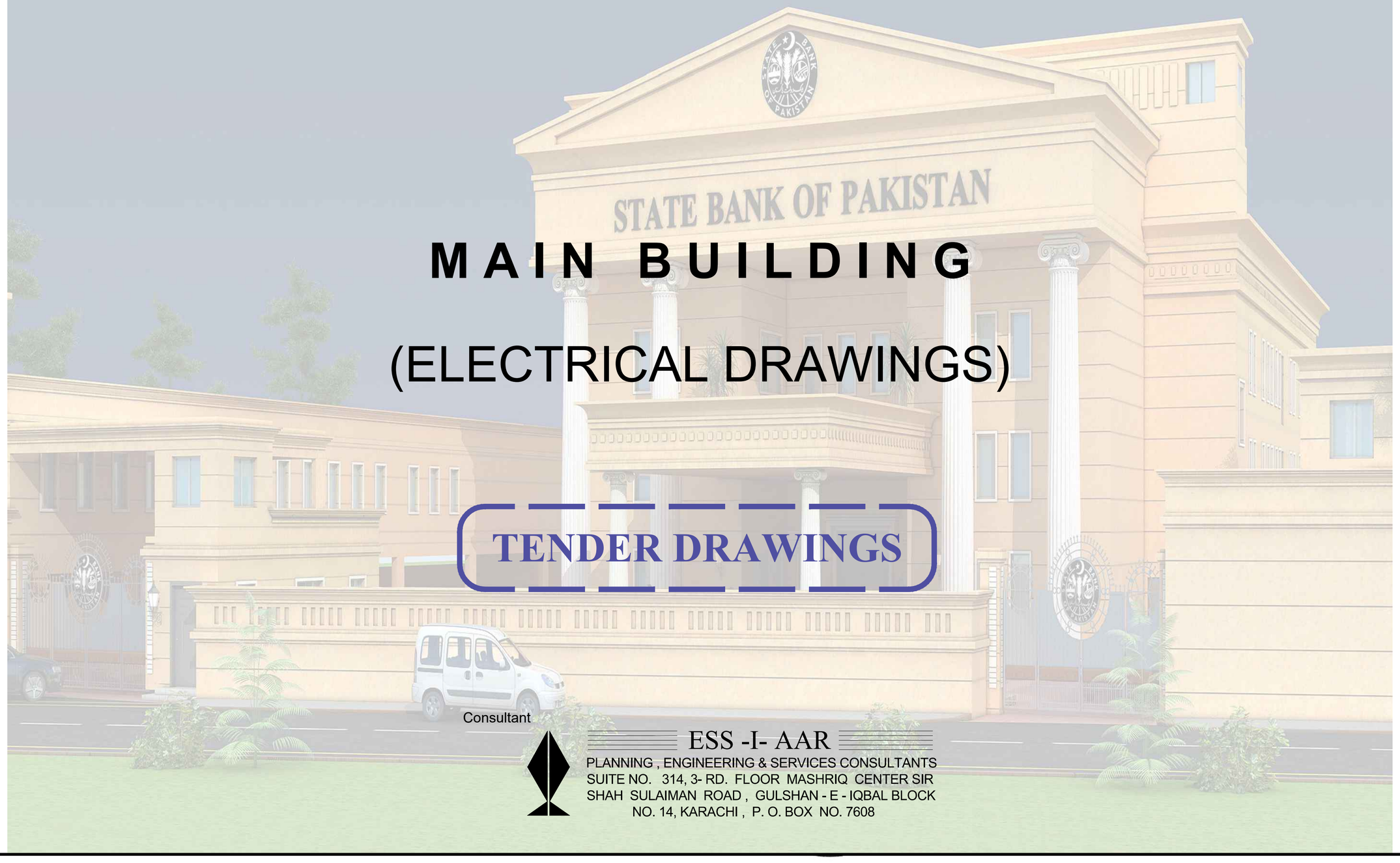
SCHEMATIC NOTATION

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: MAIN POWER SINGLE LINE DIAGRAM-SLD	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-G-EL-04A

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

(ELECTRICAL DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

NOTES:-

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH INTERIOR, ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS ETC AND TO BE COORDINATED WITH OTHER SERVICES/WORKS. CHANGES IN THESE DRAWINGS TO BE MADE AS PER FINAL ARCHITECTURAL DRAWINGS.
2. ALL WIRING OF LIGHTING AND POWER SHALL BE WITH SINGLE CORE PVC INSULATED WIRES FOR SINGLE PHASE CIRCUIT. THE VOLTAGE GRADE OF WIRE SHALL BE 450/750V. OR THREE PHASE CIRCUIT IT WILL BE 600/1000 VOLTS.
3. INSPECTION/PULL/JUNCTION BOXES SHALL BE PROVIDED WHERE NECESSARY TO PULL THE WIRES/CABLES CONVENIENTLY THEIR REASONS, THEIR LOCATION SHALL BE HIDDEN BUT ACCESSIBLE, AS FAR AS POSSIBLE AS DIRECTED BY ENGINEER.
4. SHOP–DRAWINGS TO BE SUBMITTED FOR CONSULTANT'S APPROVAL BEFORE COMMENCEMENT OF WORK.
5. LOCATION OF OUTLET, FIXTURES, EQUIPMENT AND CONDUIT RUNS ARE SCHEMATIC, EXACT LOCATION TO BE INDICATED ON SHOP DRAWINGS DULY COORDINATED WITH OTHER WORKS/SERVICES ON SITE.
6. ALL UNDERGROUND PVC PIPE/CONDUIT SHALL BE SCHEDULE 'E' CLASS.
7. SWITCHES/SOCKETS ON SEPARATE PHASES SHALL BE INSTALLED IN SEPARATE GI BACK BOXES.
8. OUTLET BACK BOXES SHALL BE GI 16–SWG SHEET STEEL POWDER COATED AND COMPRISED OF A SUITABLE BRASS EARTH TERMINAL
9. FINAL CONNECTION TO LIGHT FIXTURE (IN FALSE CEILING) SHALL BE WITH 3–CORE PVC/PVC FLEXIBLE CABLE OF ADEQUATE SIZE.
10. FOLLOWING COLOR CODES SHALL BE FOLLOWED FOR GENERAL WIRING

	PHASE	NEUTRAL	EARTH
SINGLE PHASE WIRING	RED	BLACK	GREEN
THREE PHASE WIRING	RED, YELLOW, BLUE	BLACK	GREEN

11. ONLY ONE LIGHTING OR POWER CIRCUIT SHALL BE RUN IN ONE CONDUIT.
12. ALL EXTERNAL EQUIPMENT SHALL BE WEATHER PROOF TYPE. IP 56 OR IP 65 AS REQUIRED
13. CIRCUITS IN DB(s) ARE TO BE ARRANGED IN SUCH A WAY SO THAT LOAD BALANCING IS ACHIEVED. ALL CIRCUITS CABLES ARE TO BE LABELED AND LOAD DISTRIBUTION / CIRCUIT MAPP[ING SHEET PROVIDED IN DB, AS PER CONSULTANT INSTRUCTIONS
14. SAMPLES OF MATERIAL OR TECHNICAL SUBMITTALS ARE TO BE SUBMITTED FOR APPROVAL BEFORE MANUFACTURING/INSTALLATION.
15. AS–BUILT DRAWINGS (AS PER BoQ / SPECIFICATIONS) SHALL BE SUBMITTED WITHIN ONE MONTH OF PROJECT HANDOVER.
16. ALL MATERIALS SHALL BE NEW AND OF LATEST MODEL. NO DISCONTINUED MODELS SHALL BE USED.
17. ELECTRICAL INSTALLATIONS SHALL BE SUITABLE FOR 400/230V 50–HZ SUPPLY AS REQUIRED (EXCEPT OTHERWISE STATED)
18. ALL WORKS SHALL CONFORM TO REQUIREMENTS OF LATEST EDITION OF IEEE AND LOCAL ELECTRICAL AUTHORITIES, WHICH EVER IS STRINGENT. THE ELECTRICAL INSTALLATIONS SHALL BE COMPLETED IN ALL RESPECT. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF ELECTRICAL INSTALLATIONS FROM ELECTRIC INSPECTOR OF RELEVANT REGION.
19. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE PROPERLY EARTHED
20. ALL EQUIPMENT SHALL BE SELECTED FROM THE LIST OF APPROVED VENDORS PROVIDED WITH THE BOQ / SPECIFICATIONS. WHERE APPROVED "EQUIVALENT" BRANDS ARE STATED, EQUIVALENCY SHALL BE AT THE DISCRETION OF THE CLIENT OR ITS REPRESENTATIVE ENGINEER

ESS.I.AAR 314, Mashria Centre 5-5 Sunset Road Phase II Extension Karachi

STATE BANK OF PAKISTAN ENGG. ARCHITECTURAL & SERVICES DEPARTMENT

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GENERAL NOTES	DATE: 07-06-2021	COM. LOCATION.	SHEET REF.: ELECT.
			Ref. Rev.: 01	SCALE: N.T.S	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-G-EL-01A

NOTES (CONTD..):-

21. HEIGHT OF ALL WALL OUTLETS SHALL BE AS PER ARCHITECT/CONSULTAN INSTRUCTIONS.

22. ALL FLUORESCENT FIXTURE SHALL BE WITH ELECTRONIC BALLASTS/STARTERS. LED LIGHTS SHALL HAVE A MINIMUM CRI > 90 FOR INDOOR LIGHTING FIXTURES AND >80 FOR OUTDOOR FIXTURES

23. CONDUIT UNDER FLOOR SHALL HAVE A MINIMUM DEPTH OF 50mm MEASURED FROM FINISH FLOOR LEVEL TO TOP OF CONDUIT.

24. MINIMUM SIZE OF CONDUIT SHALL BE 25mm ø, UNLESS OTHERWISE INDICATED.

25. THE ELECTRICAL RESISTANCE OF ECC TOGETHER WITH EARTH LEAD AND ELECTRODE SHALL NOT EXCEED ONE OHM. THE CONTRACTOR SHALL OBTAIN INSTRUCTIONS FROM CONSULTANT FOR ANY ADDITIONAL EARTHING ETC.

26. RUNNING LENGTHS SHOWN IN B.O.Q ARE NOT EXACT CONTRACTOR SHALL HAVE TO TAKE MEASUREMENTS FROM AS PER SITE BEFORE PURCHASING THE MATERIAL.

27. CONDUIT AND CABLES TO BE LAID UNDER FLOOR SHALL BE IN COORDINATION WITH OTHERS SERVICES.

28. POWER FOR HVAC AND OTHER MECHANICAL EQUIPMENT SHALL BE TERMINATED UP TO MCC/ISOLATOR/BREAKER ONLY. WIRING ONWARD FROM RELEVANT MCC, ISOLATOR/BREAKER WILL BE PART OF HVAC/MECHANICAL CONTRACTOR'S SCOPE OF WORKS.

29. EACH CIRCUIT TO HAVE ITS INDEPENDENT NEUTRAL AND EARTH FROM DB.

30. THE CONDUIT SHALL HAVE A MINIMUM COVERING OF 20 mm OF CONCRETE/TILES, ETC.

31. INSPECTION BOX, PULL BOX, JUNCTION BOX, ETC. SHALL BE PROVIDED WHERE NECESSARY TO PULL THE WIRES CONVENIENTLY.

32. FOR EXACT LOCATION OF LIGHTING FIXTURES REFER TO ARCHITECTURAL DRAWINGS.

33. ALL CONDUITS RUN ABOVE FALSE CEILING SHALL BE LABELED / IMPRINTED WITH THE NAMES OF RESPECTIVE SERVICES.

34. DIFFERENT SYSTEM WIRING TO RUN IN DIFFERENT CONDUITS.

35. CONTRACTOR MUST COORDINATE WITH OTHER TRADE DRAWINGS

36. THE ELECTRICAL RESISTANCE OF LIGHTING PROTECTION SYSTEM EARTHING TOGETHER WITH EARTH LEAD AND ELECTRODE SHOULD NOT EXCEED TEN OHM.

37. THE MAKES STATED IN THE TENDER DRAWINGS/DOCUMENTS ARE FOR REFERENCE TO A PARTICULAR CLASS OF QUALITY OR PERFORMANCE REQUIREMENT. EQUIVALENT OR BETTER MAKES COULD ALSO BE OFFERED. APPROVAL OF EQUIVALENCE OF MAKES SHALL BE THE DISCRETION OF

38. ALL EXTERNAL INSTALLATION SHALL BE WEATHER PROOF TYPE.

39. NOT MORE THAN TWO RIGHT ANGLE BENDS BETWEEN CONDUIT RUN AND DRAW IN BOXES SHALL BE PERMITTED.

40. THE SWITCH BOXES SHALL BE INSTALLED 100mm FROM THE OUTER FACE OF DOOR FRAME.

41. ALL MATERIAL USED SHALL BE SUITABLE FOR AN AMBIENT TEMPERATURE OF 45C°.

42. MAXIMUM CAPACITY OF WIRES IN PVC CONDUITS SHALL BE AS FOLLOWS:—

CONDUITS \ CABLES	1.5sqmm	2.5sqmm	4sqmm	6sqmm	10sqmm	16sqmm	25sqmm
20mm ø	8	5	4	3	2	--	--
25mm ø	12	9	6	5	3	3	2
32mm ø	16	13	9	9	5	4	3

MOUNTING HEIGHTS

1. LIGHT SWITCH	= 1000mm BOTTOM FROM F.F.L.
2. SOCKETS, DATA & VOICE OUTLETS.	
a. LOW LEVEL	= 200mm BOTTOM FROM F.F.L.
b. HIGH LEVEL	= 1000mm BOTTOM FROM F.F.L.
c. UNDER WORK STATION	= 450mm BOTTOM FROM F.F.L.
3. TV OUTLET	= 1200mm BOTTOM FROM F.F.L.
4. BREAK GLASS UNIT	= 1200mm BOTTOM FROM F.F.L.
5. BELL / SOUNDER	= 2100mm BOTTOM FROM F.F.L.
6. DB & OTHER PANELS	= 1800mm TOP FROM F.F.L.

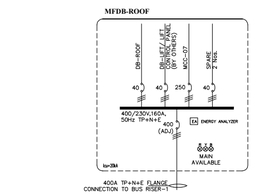
(OR CONFIRMED BY ARCHITECT)

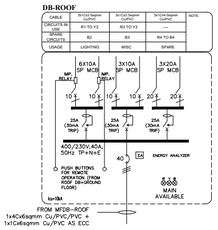
TENDER DRAWING

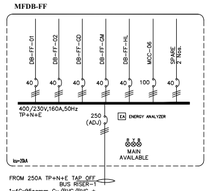
ESS.I.AAR 314, Mashriq Centre, S.S. Sulaiman Road, Gulshan-e-Iqbal, Karachi

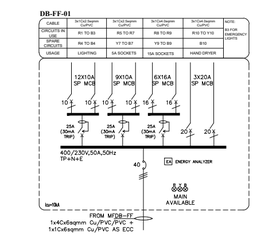
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DEPARTMENT

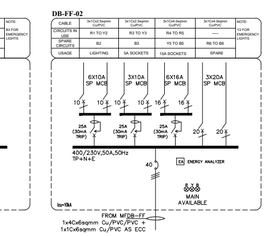
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA GENERAL	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GENERAL NOTES & MOUNTING HEIGHTS	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev. 01 / SCALE N.T.S	DRAWN S.K / CHKD. BY AA / JOB NO.	SBPG-G-EL-01B

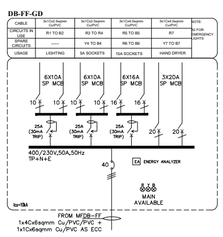


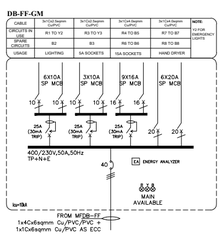


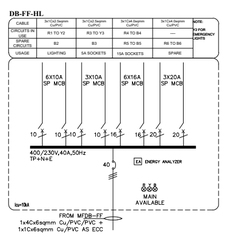


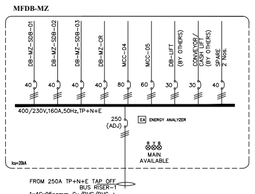


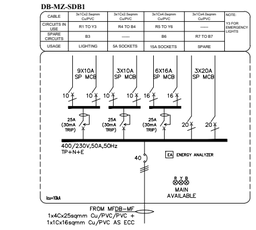


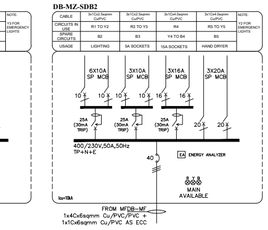


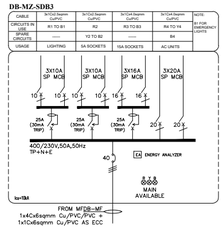


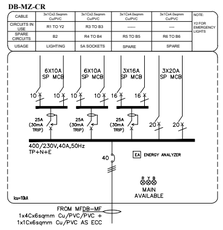


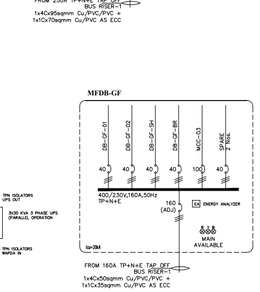


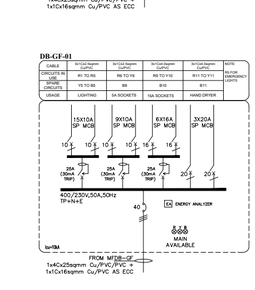


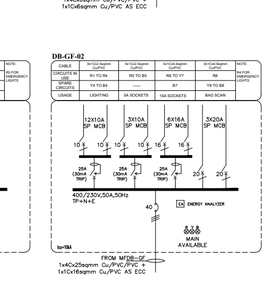


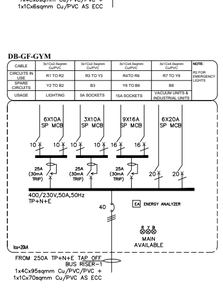


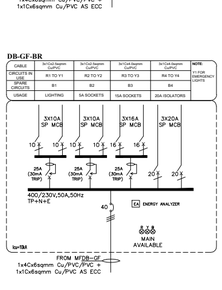


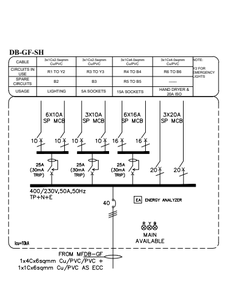




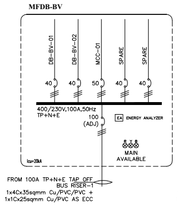


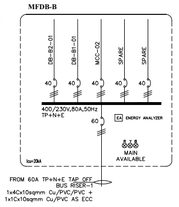






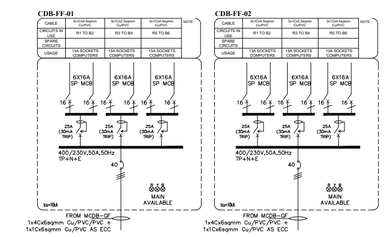
NOTE:
- ALL ENERGY ANALYZERS SHALL BE LOOPED WITH CATS CABLE (BY CONTRACTOR)

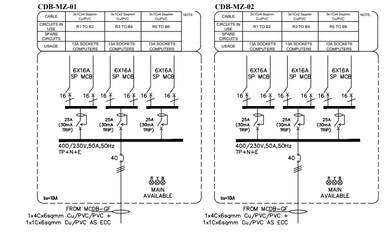


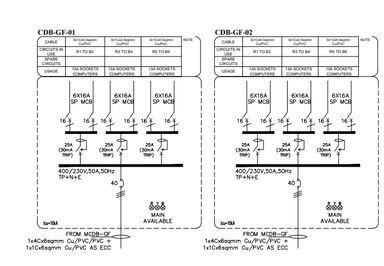


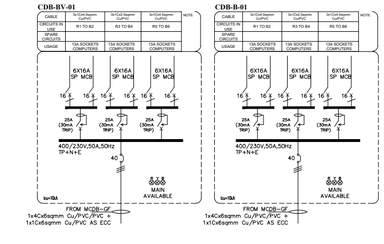
MAIN FLOOR DB's (MFDB's)

FLOOR DB's









CDB's (FUTURE OPTION)

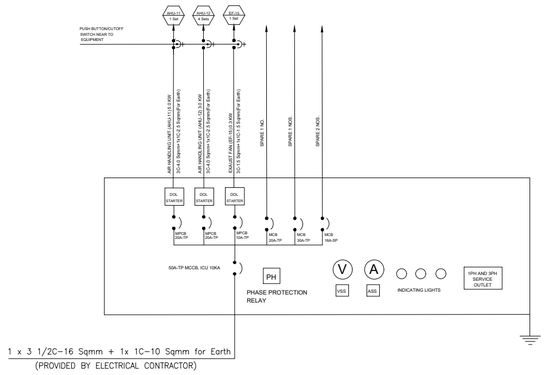
NOTE:
- ALL ENERGY ANALYZERS SHALL BE LOOPED WITH CATS CABLE (BY CONTRACTOR)

REV. 21-01-2022

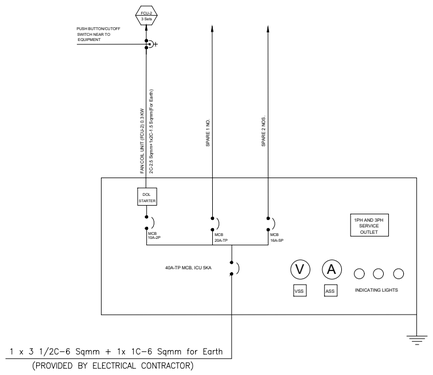
TENDER DRAWING

ENGG. ARCHITECTURAL & SERVICES ESS.I.AAR 314, Mashriq Centre 3-5 Sulaiman Road Gulshan-e-Iqbal Karachi
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION ENGINEERING DEPARTMENT

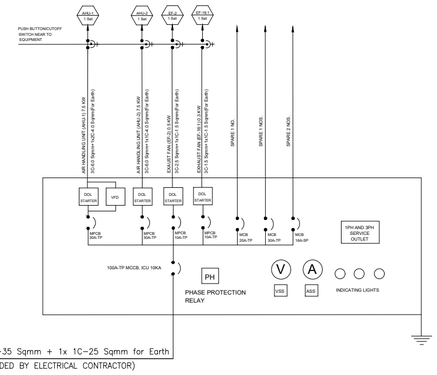
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA MAIN BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: MAIN POWER SINGLE LINE DIAGRAMS-SLD
DATE: 28-11-2018 (REVISED DATES)	COM. LOCATION.	SHEET REF. ELECT.	
Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 3/32"=1'-0"	DRAWN: S.K	CHKD. BY: AA
JOB NO.	SBPG-MB EL-03		



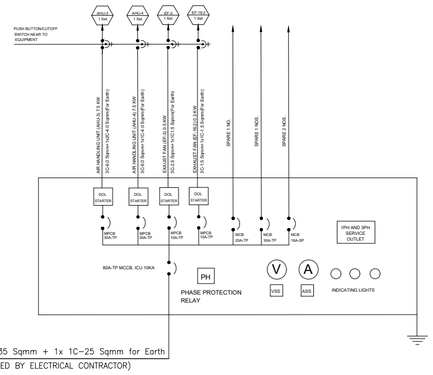
MOTOR CONTROL CENTRE MCC-1
FOR 2ND BASEMENT.
(INSTALLED AT AHU ROOM)



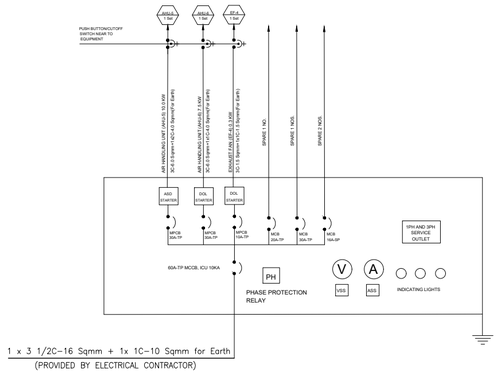
MOTOR CONTROL CENTRE MCC-2
FOR 1ST BASEMENT
(INSTALLED AT ENG-ROOM)



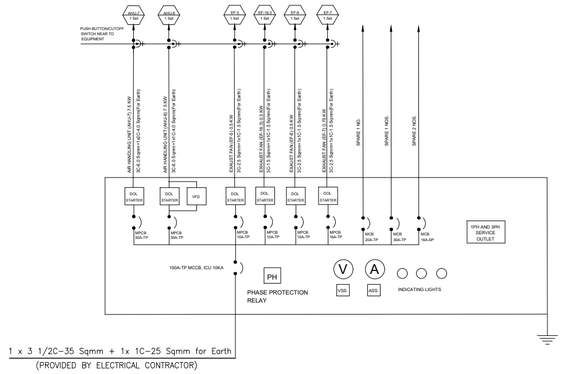
MOTOR CONTROL CENTRE MCC-3
FOR GROUND FLOOR
(INSTALLED AT ELECTRIC-ROOM)



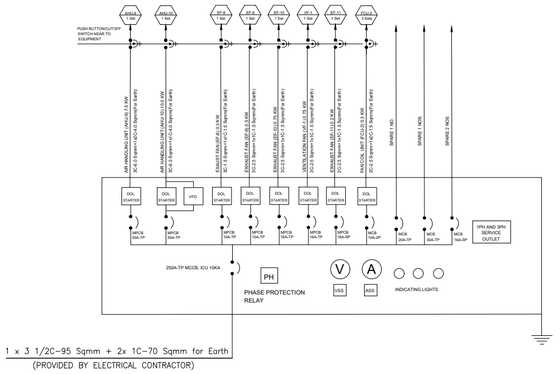
MOTOR CONTROL CENTRE MCC-4
FOR MEZZANINE FLOOR
(INSTALLED AT ELECTRIC-ROOM)



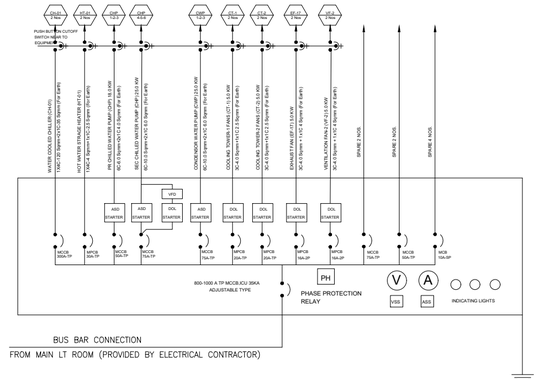
MOTOR CONTROL CENTRE MCC-5
FOR MEZZANINE FLOOR
(INSTALLED AT AHU-ROOM)



MOTOR CONTROL CENTRE MCC-6
FOR FIRST FLOOR
(INSTALLED AT ELECTRIC-ROOM)



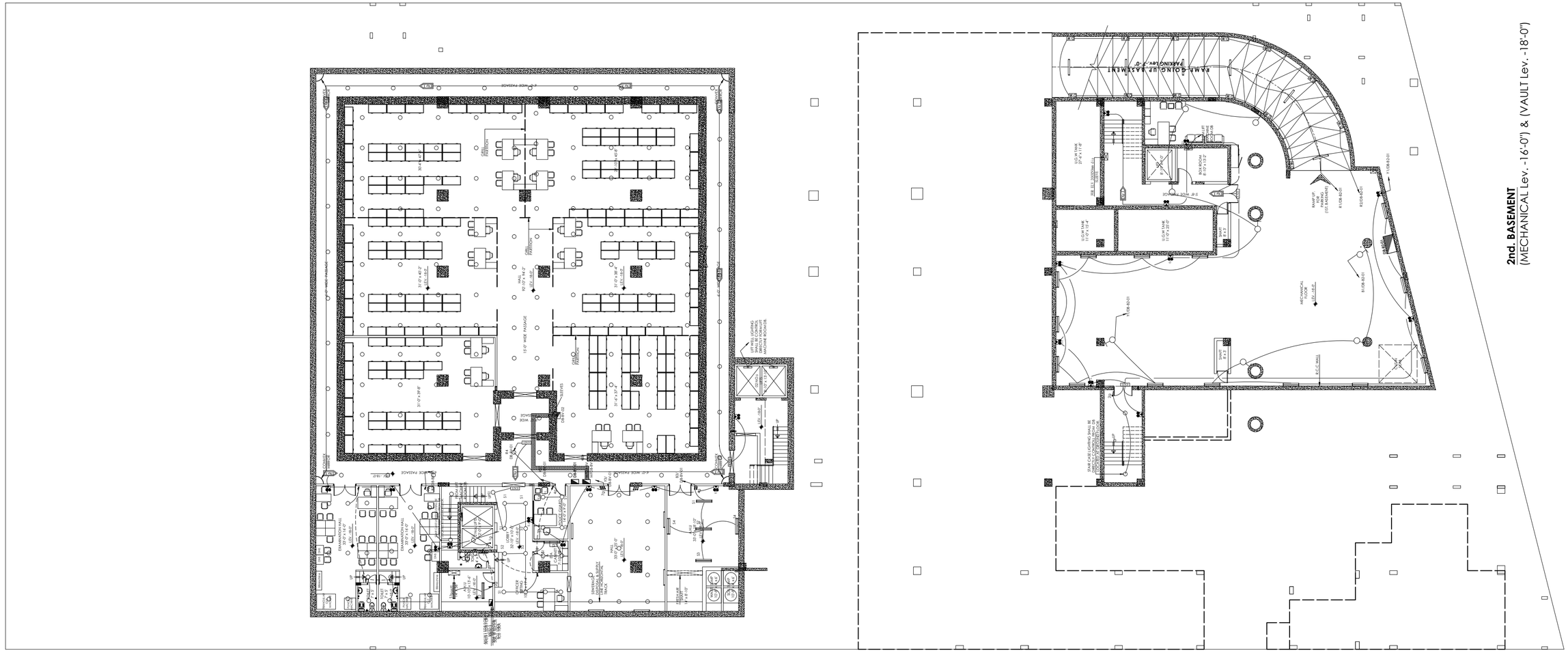
MOTOR CONTROL CENTRE MCC-7
FOR SECOND FLOOR
(INSTALLED AT ELECTRIC-ROOM)



MOTOR CONTROL CENTRE
FOR CENTRAL HVAC PLANT ROOM

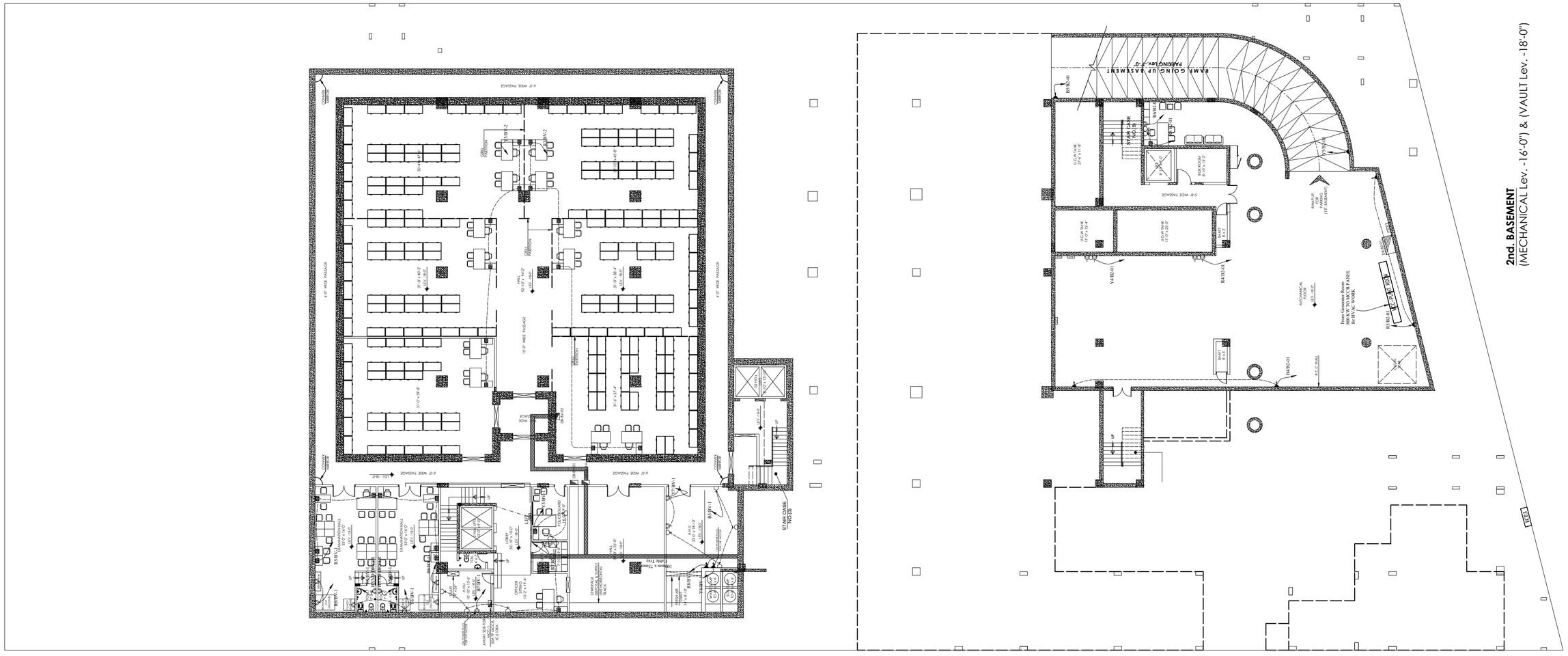
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA MAIN BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3-RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: MCC - SINGLE LINE DIAGRAMS-SLD	DATE: 28-11-2018 (DD-MM-YYYY); COM. LOCATION.; SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S.; DRAWN: S.K; CHKD. BY: AA; JOB NO.; SBPG-MB EL-04



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA MAIN BUILDING	Consultant: PROJECT MANAGEMENT DIVISION — ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: BASEMENT-2 LIGHTING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-MB EL-05



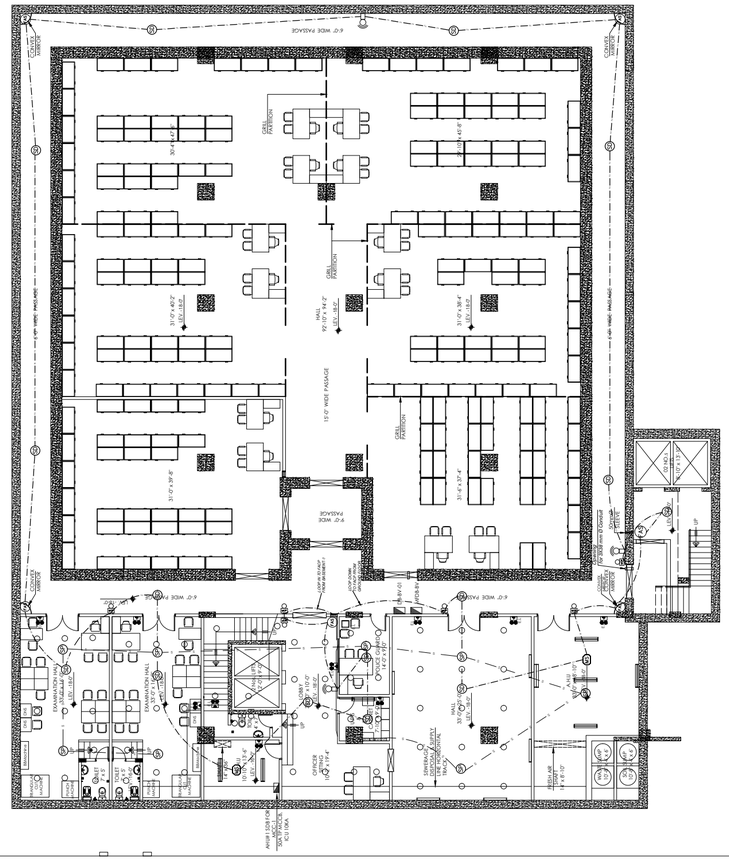
2nd. BASEMENT
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")

ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DEPARTMENT
DIVISION

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: BASEMENT-2 POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-MB EL-06


6'-0" WIDE PASSAGE
CONVEX MIRROR
CCTV CAMERA
CEILING MOUNTED FIRE DETECTION SYSTEM
CEILING MOUNTED SMOKE DETECTOR
CEILING MOUNTED HEAT DETECTOR
CEILING MOUNTED FIRE ALARM HOOTER
CEILING MOUNTED FIRE ALARM STROBE
CEILING MOUNTED FIRE ALARM HOOTER CUM STROBE
MANUAL CALL POINT
FIRE ALARM CONTROL PANEL
FIRE ALARM REPEATER PANEL
FIRE ALARM ZONE BOUNDARY
FIRE ALARM ZONE NUMBER
FIRE ALARM ZONE DESCRIPTION
FIRE ALARM CABLE
FIRE ALARM CABLE IN CONDUIT
FIRE ALARM CABLE IN CABLE TRAY
FIRE ALARM CABLE IN CABLE TRUNKING
FIRE ALARM CABLE IN CABLE DUCT
FIRE ALARM CABLE IN CABLE TRENCH
FIRE ALARM CABLE IN CABLE TUNNEL
FIRE ALARM CABLE IN CABLE SHAFT
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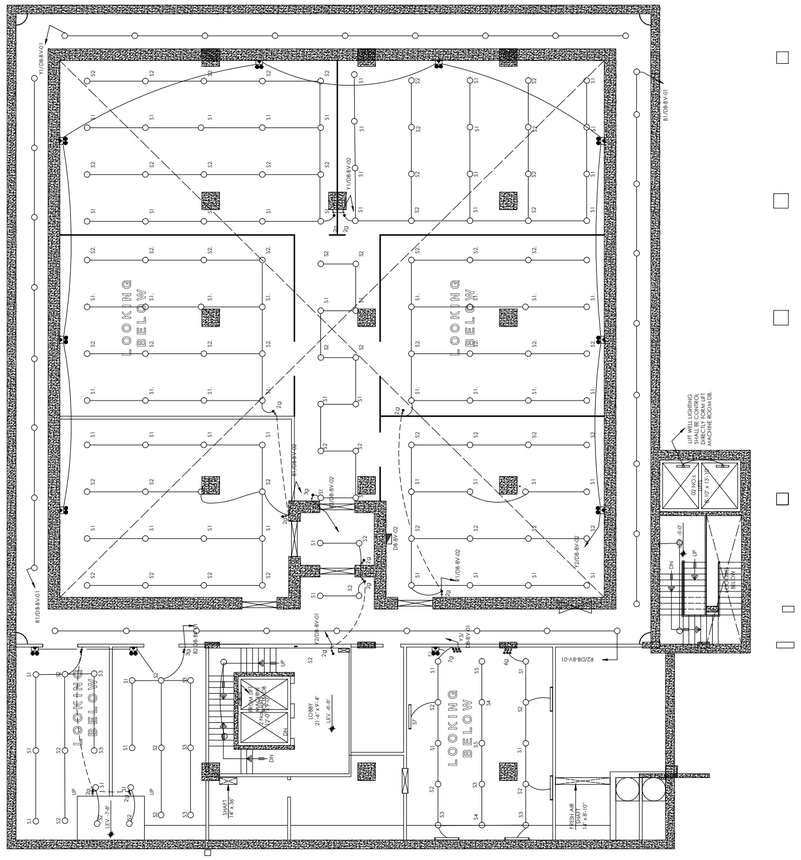
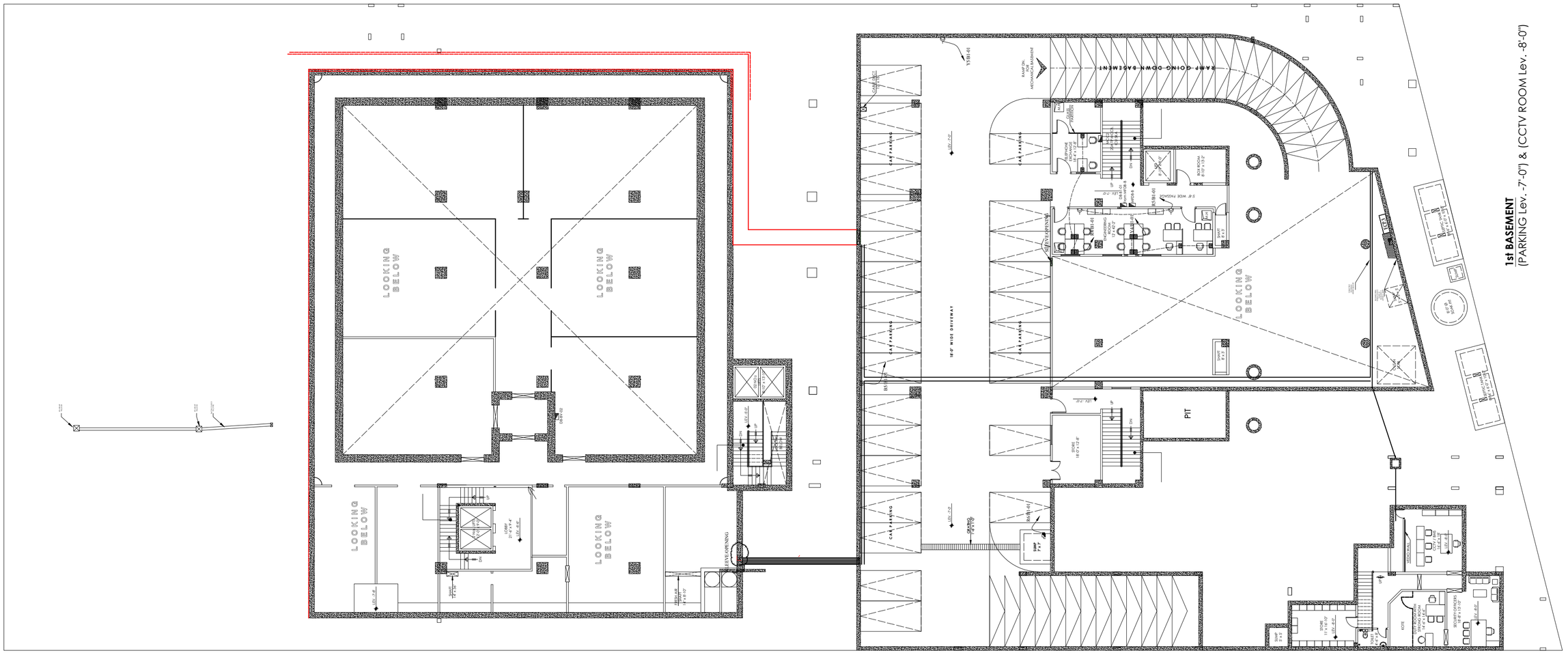
FIRE ALARM CABLE IN CABLE GALLERY

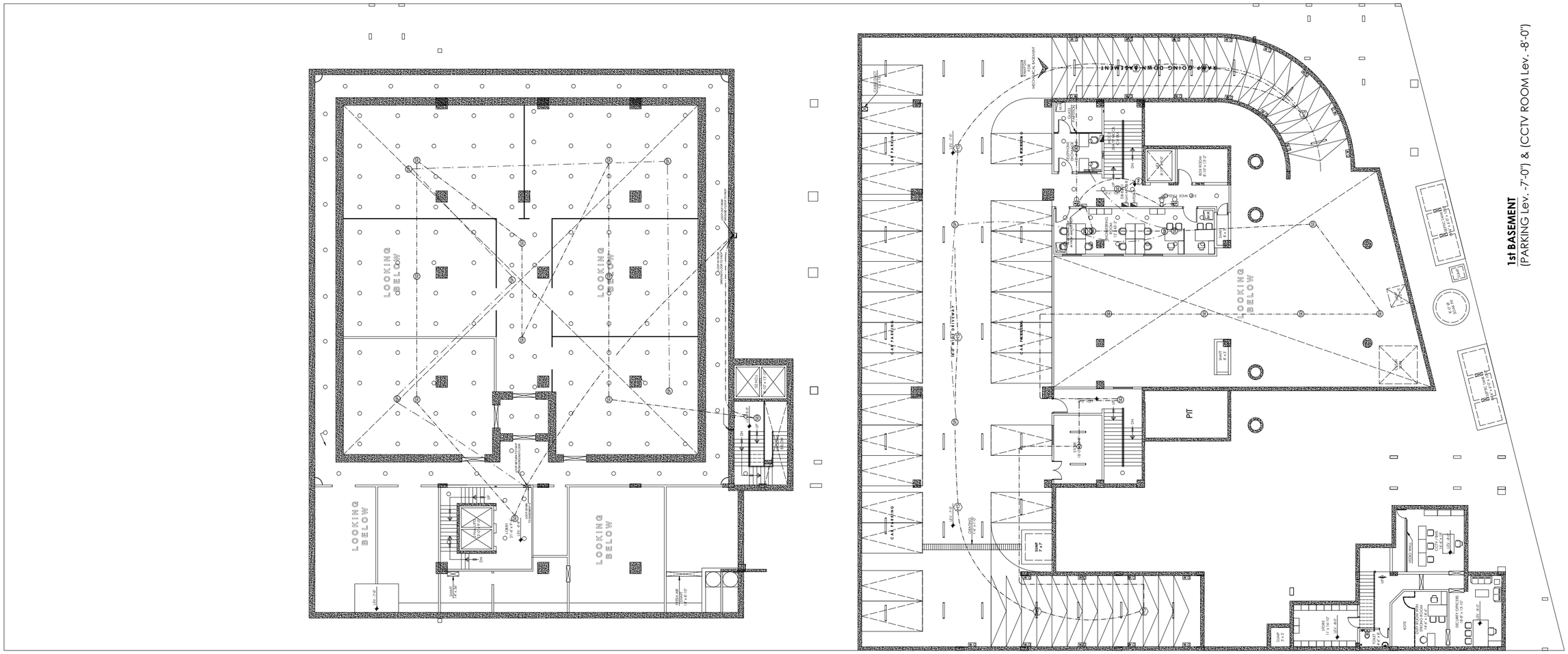

LOOKING BELOW
LOOKING BELOW
LOOKING BELOW



1st BASEMENT
(PARKING Lev. -7'-0") & (CCTV ROOM Lev. -8'-0")

TENDER DRAWING

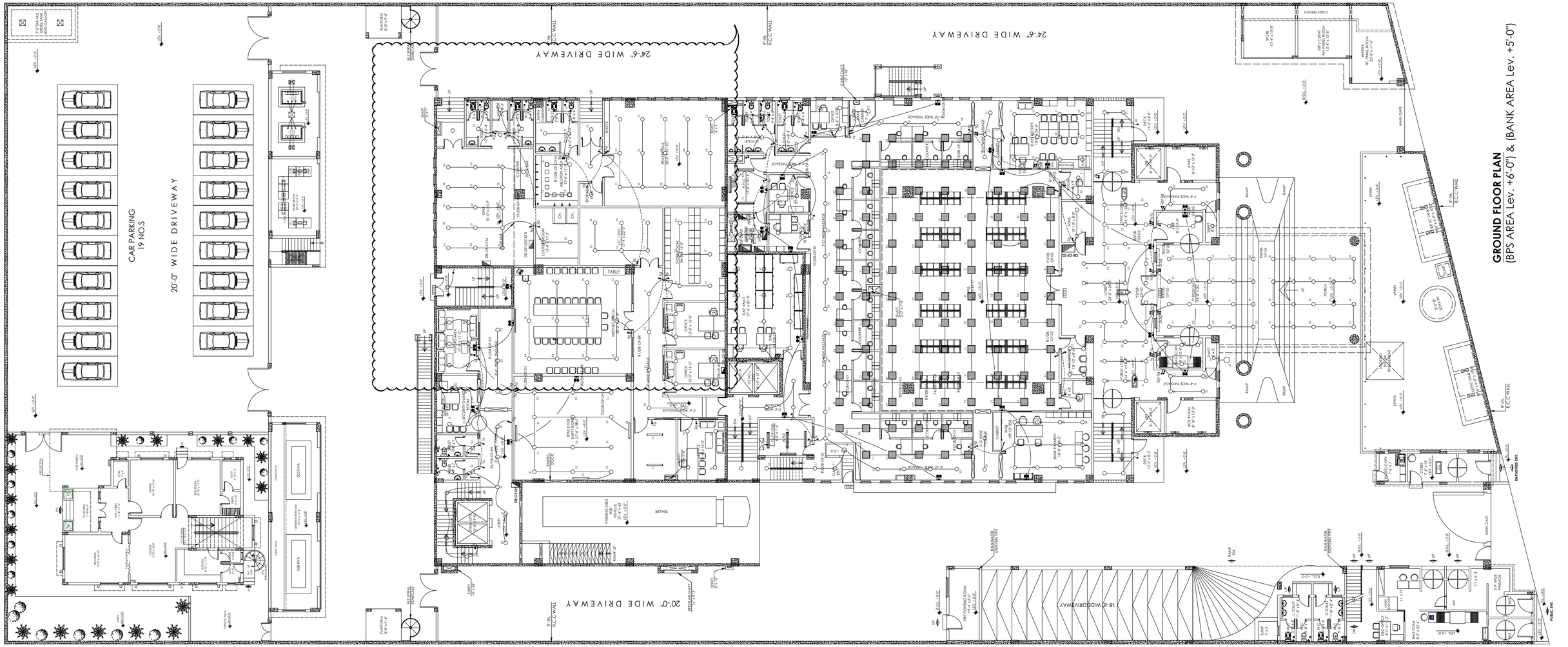
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: BASEMENT-1 POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-MB EL-09



1st BASEMENT
(PARKING Lev. -7'-0") & (CCTV ROOM Lev. -8'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3-RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: BASEMENT-1 FIRE ALARM AND PUBLICE ADDRESS LAYOUT PLAN	DATE: 02-08-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-MB EL-10



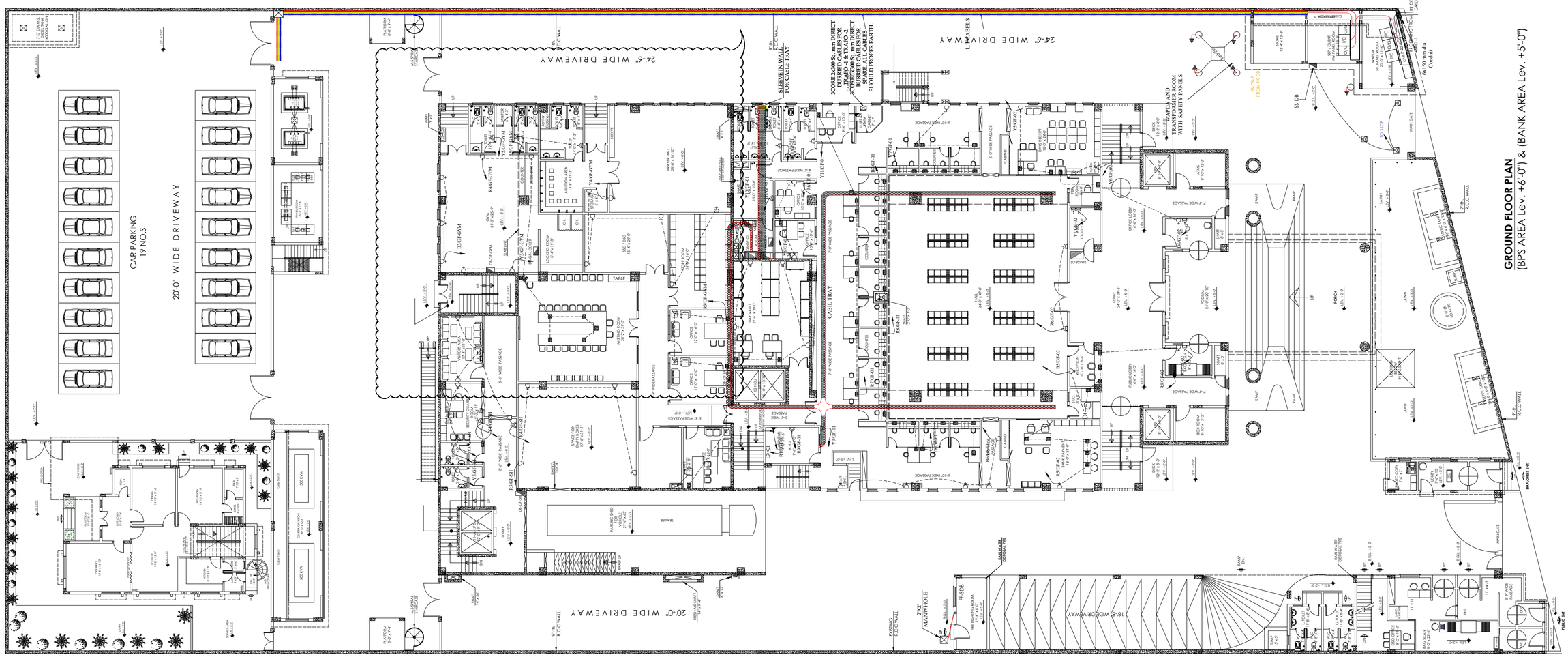
GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

TENDER DRAWING

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS (PVT.) LTD. 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

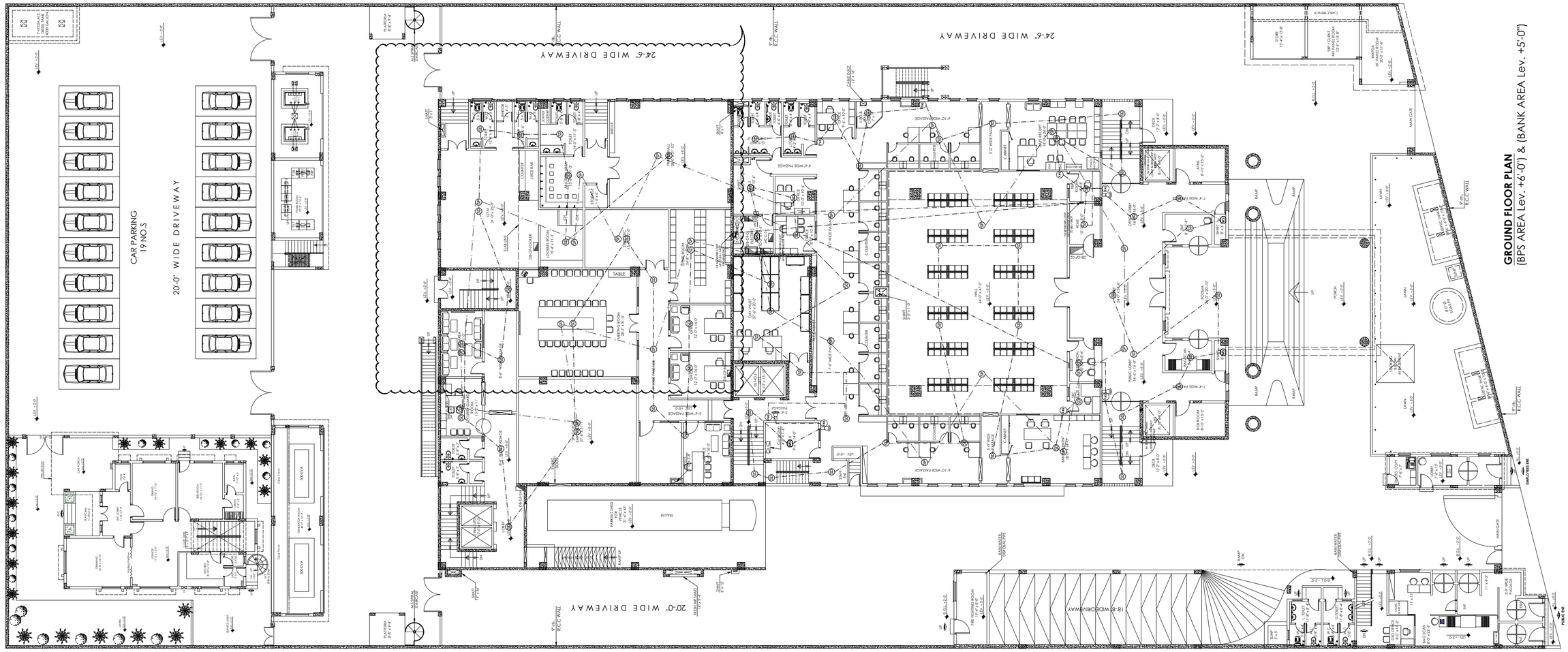
STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ★ ENGINEERING SBP-BSF HOK

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA MAIN BUILDING	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	GROUND FLOOR LIGHTING LAYOUT PLAN	07-06-2021		ELECT.
			Ref. Rev. AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE 1/16"=1'-0"	DRAWN S.K	CHKD. BY AA	JOB NO.	SBPG-MB EL-11



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GROUND FLOOR POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-MB EL-12



GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: PROJECT MANAGEMENT DISTT. ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GROUND FLOOR FIRE ALARM AND PUBLICE ADDRESS LAYOUT PLAN	DATE: 02-08-2021	COM. LOCATION. / SHEET REF. ELECT.
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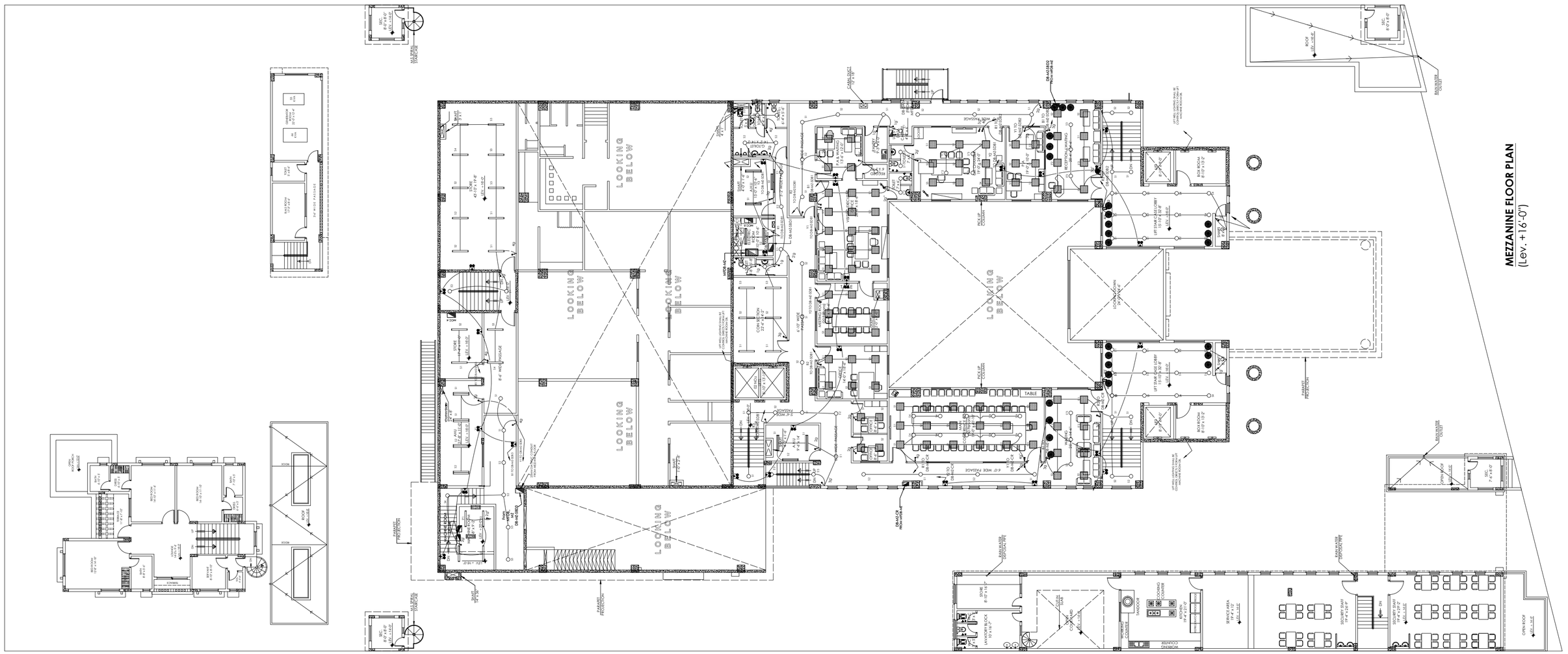
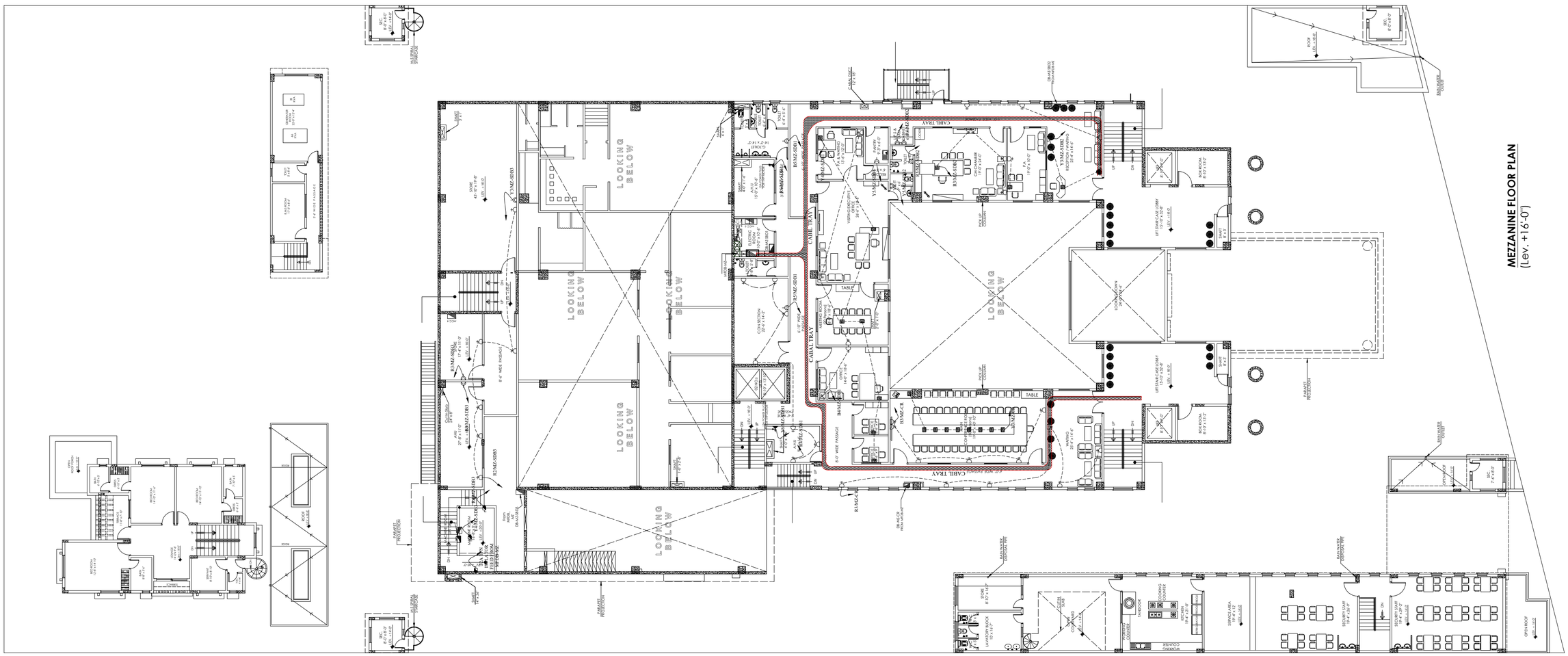
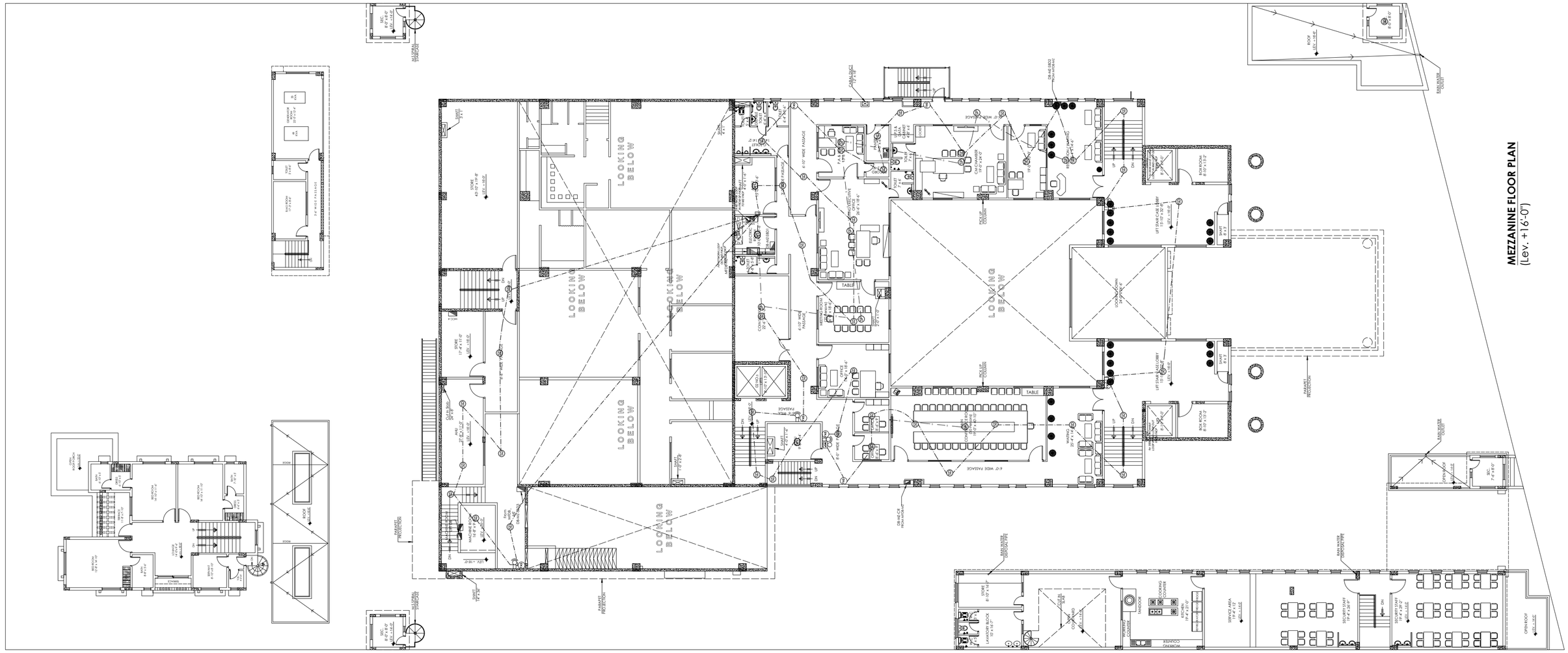

LOOKING BELOW
LOOKING BELOW
LOOKING BELOW



TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	MEZZANINE FLOOR POWER LAYOUT PLAN	07-06-2021		ELECT.

Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	
AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	1/16"=1'-0"	S.K	AA		SBPG-MB EL-15

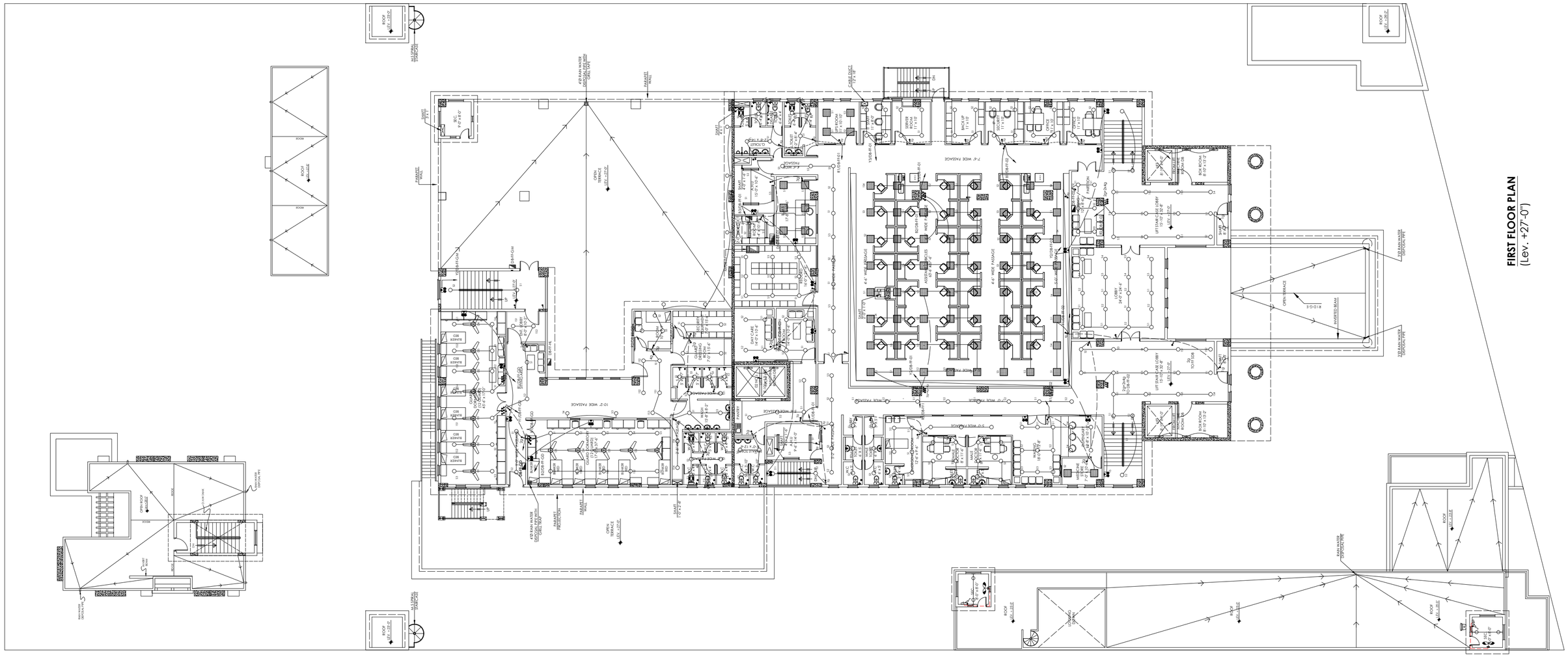


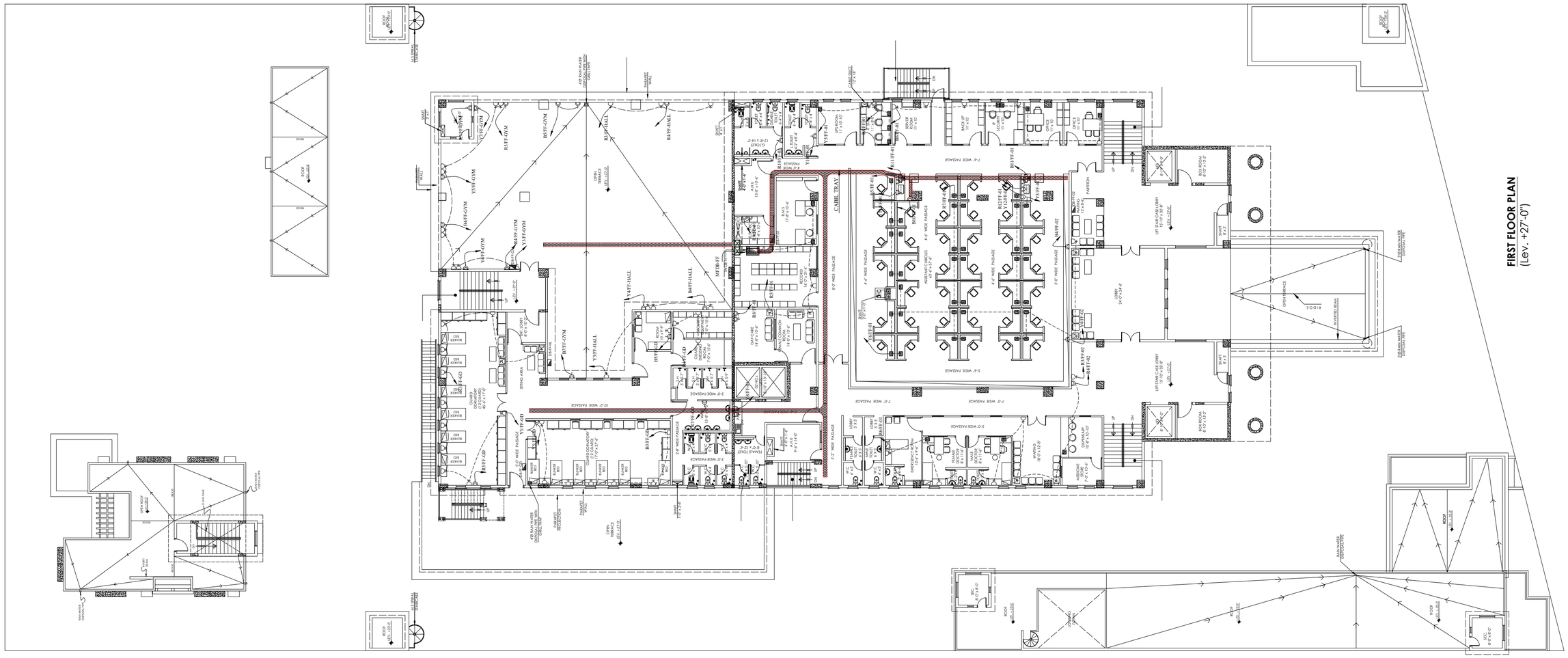
TENDER DRAWING

Client	Job	Consultant				
STATE BANK OF PAKISTAN	CONSTRUCTION OF S & P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608				

TITLE	DATE	COM. LOCATION.	SHEET REF.
MEZZANINE FLOOR FIRE ALARM AND PUBLICE ADDRESS LAYOUT PLAN	02-08-2021		ELECT.

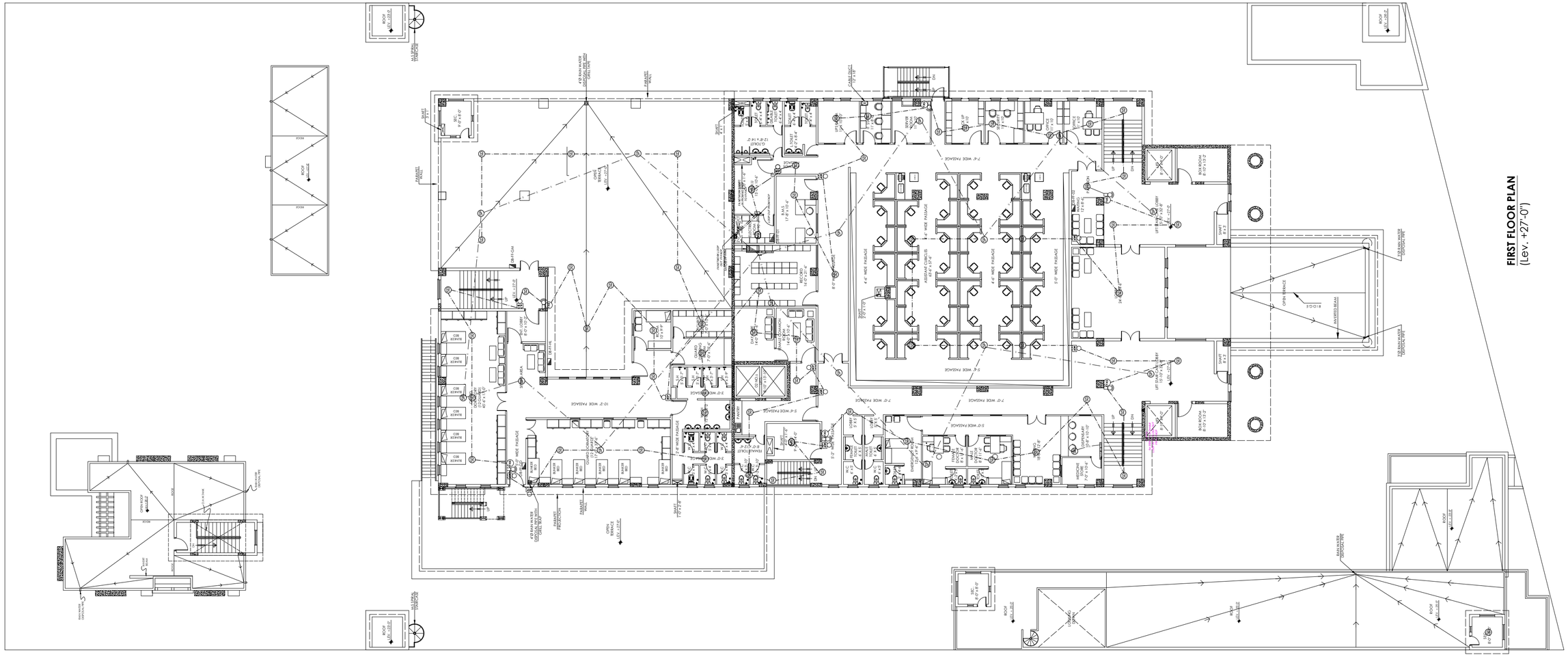
Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	
AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	1/16"=1'-0"	S.K	AA		SBPG-MB EL-16


FIRST FLOOR PLAN
(Lev. +27'-0")
ROOF
LEV. +282'-0"
ROOF
LEV. +282'-0"
ROOF
LEV. +282'-0"



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: FIRST FLOOR POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA / JOB NO. / SBPG-MB EL-18

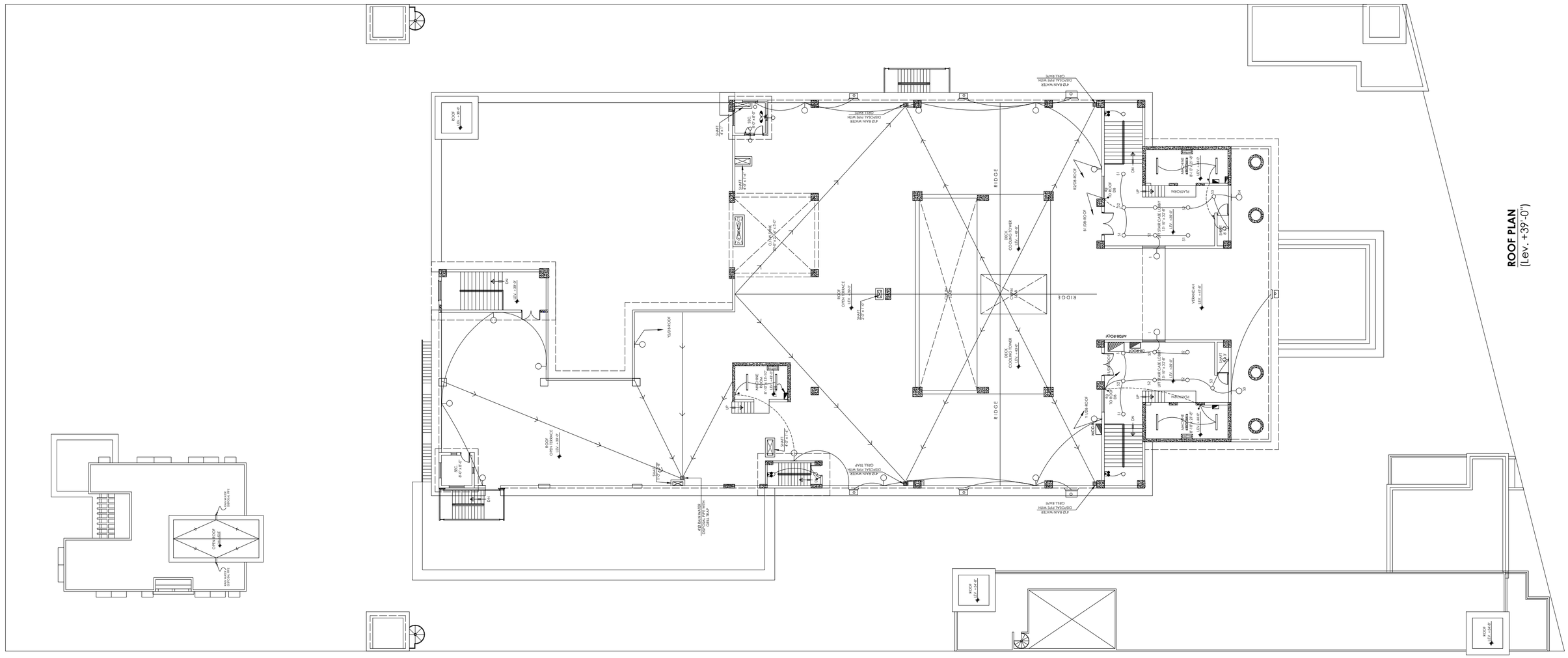


TENDER DRAWING

Client	Job	Consultant				
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	PROJECT MANAGEMENT DISTRICT ENGG. DEPARTMENT ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608				

TITLE	DATE	COM. LOCATION.	SHEET REF.
FIRST FLOOR FIRE ALARM AND PUBLICE ADDRESS LAYOUT PLAN	02-08-2021		ELECT.

Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	
AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	1/16"=1'-0"	S.K	AA		SBPG-MB EL-19

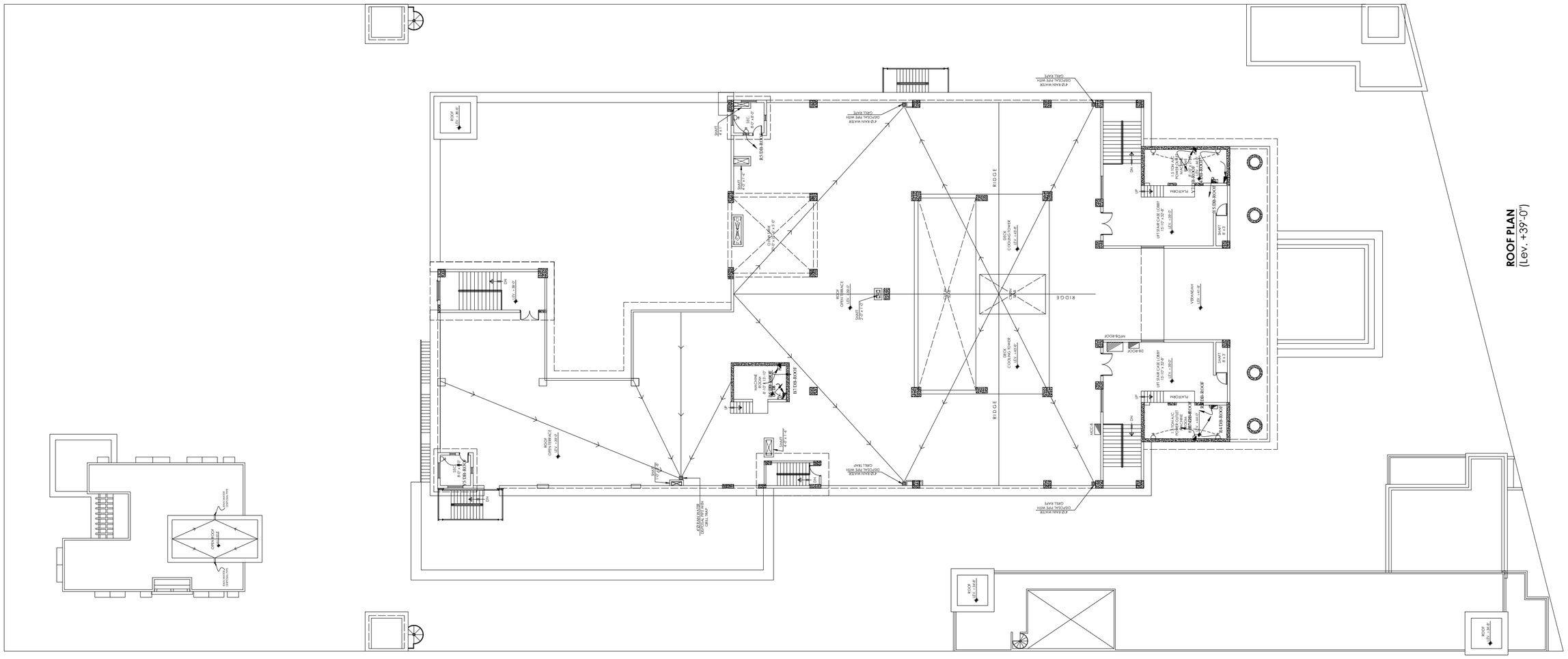


ROOF PLAN
(Lev. +39'-0")

TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA MAIN BUILDING	ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	ROOF LIGHTING LAYOUT PLAN	07-06-2021	

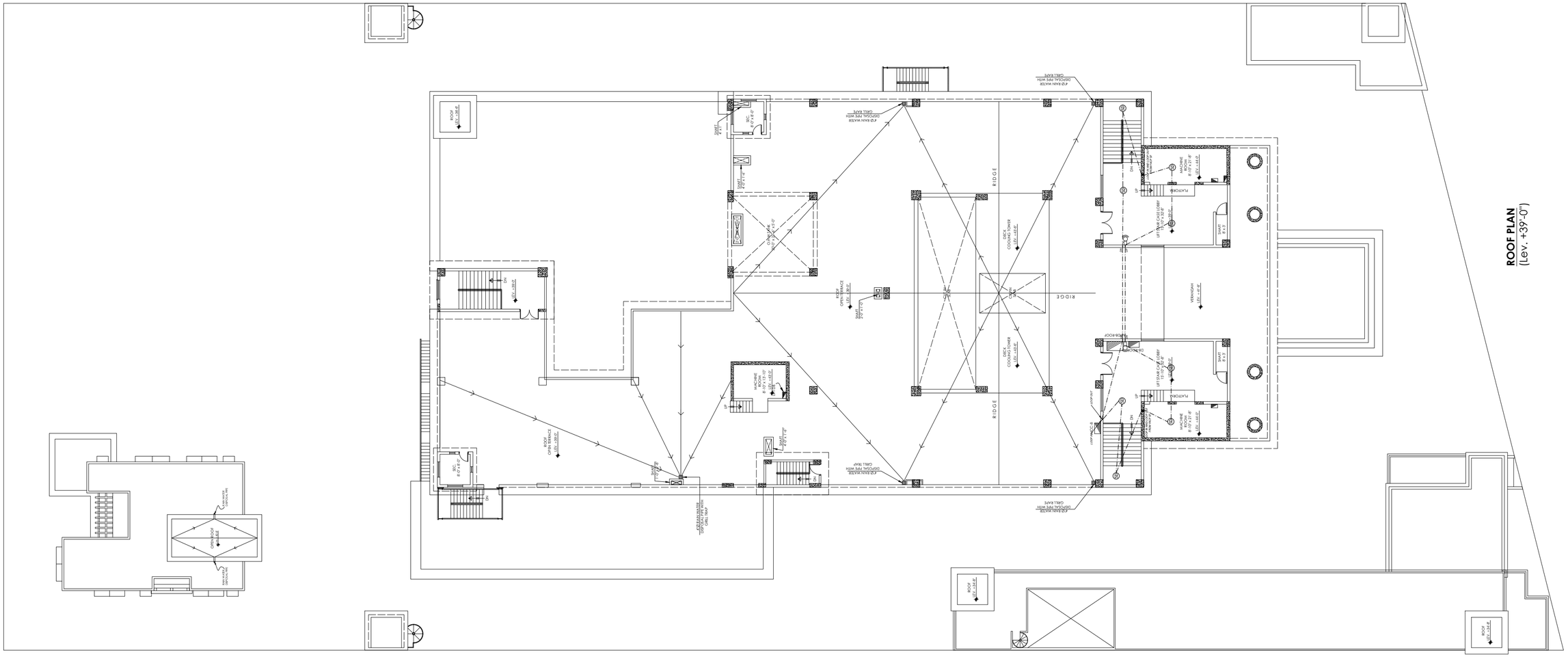
SHEET REF.	Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.
ELECT.	AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	1/16"=1'-0"	S.K	AA	SBPG-MB EL-20



ROOF PLAN
(Lev. +39'-0")

TENDER DRAWING

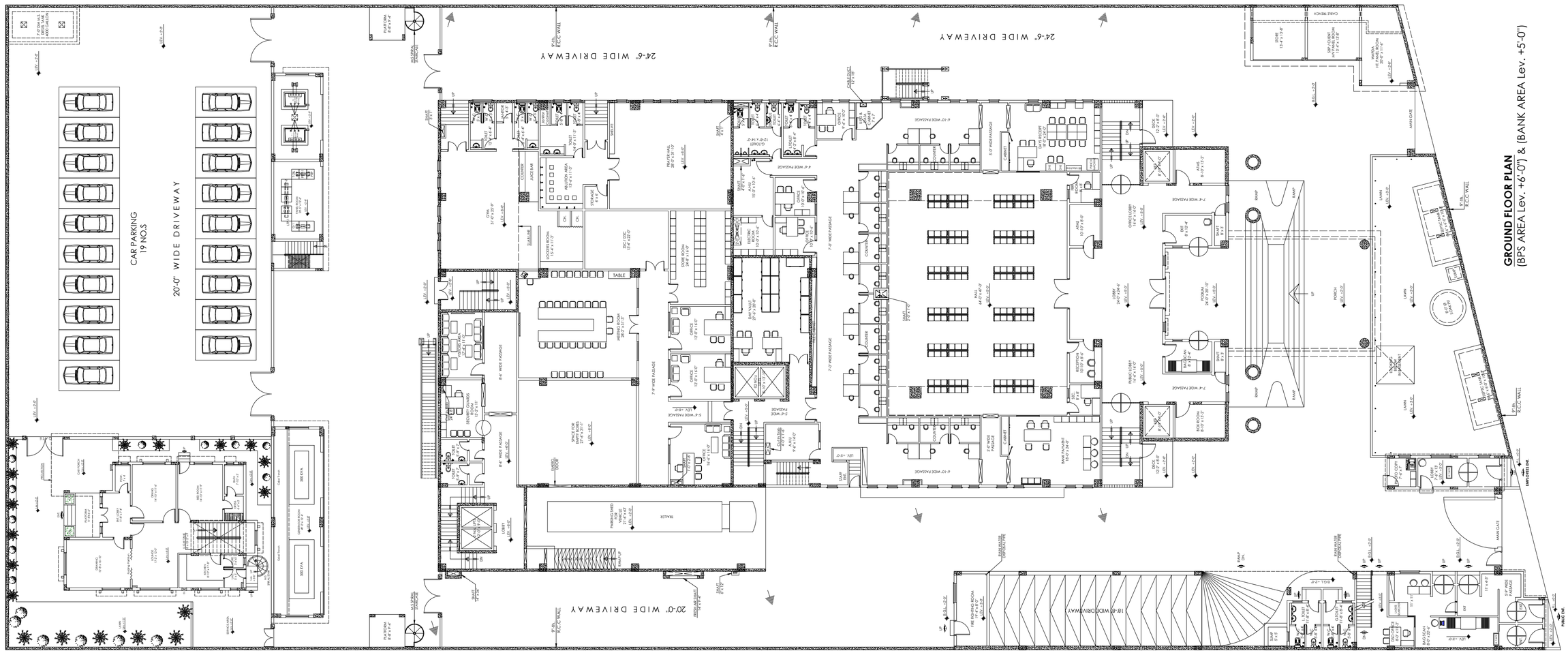
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS-I-AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN-E-IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ROOF FLOOR POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-MB EL-21

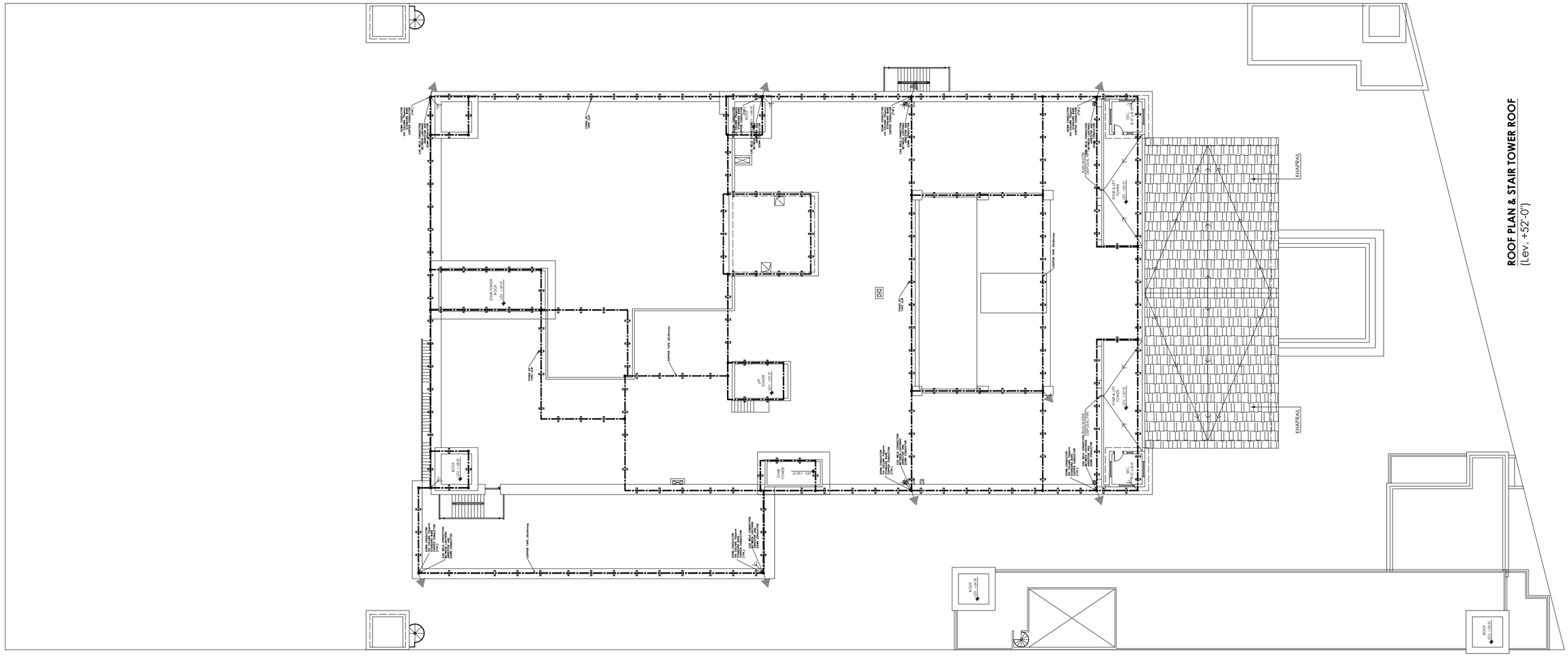


ROOF PLAN
(Lev. +39'-0")

TENDER DRAWING

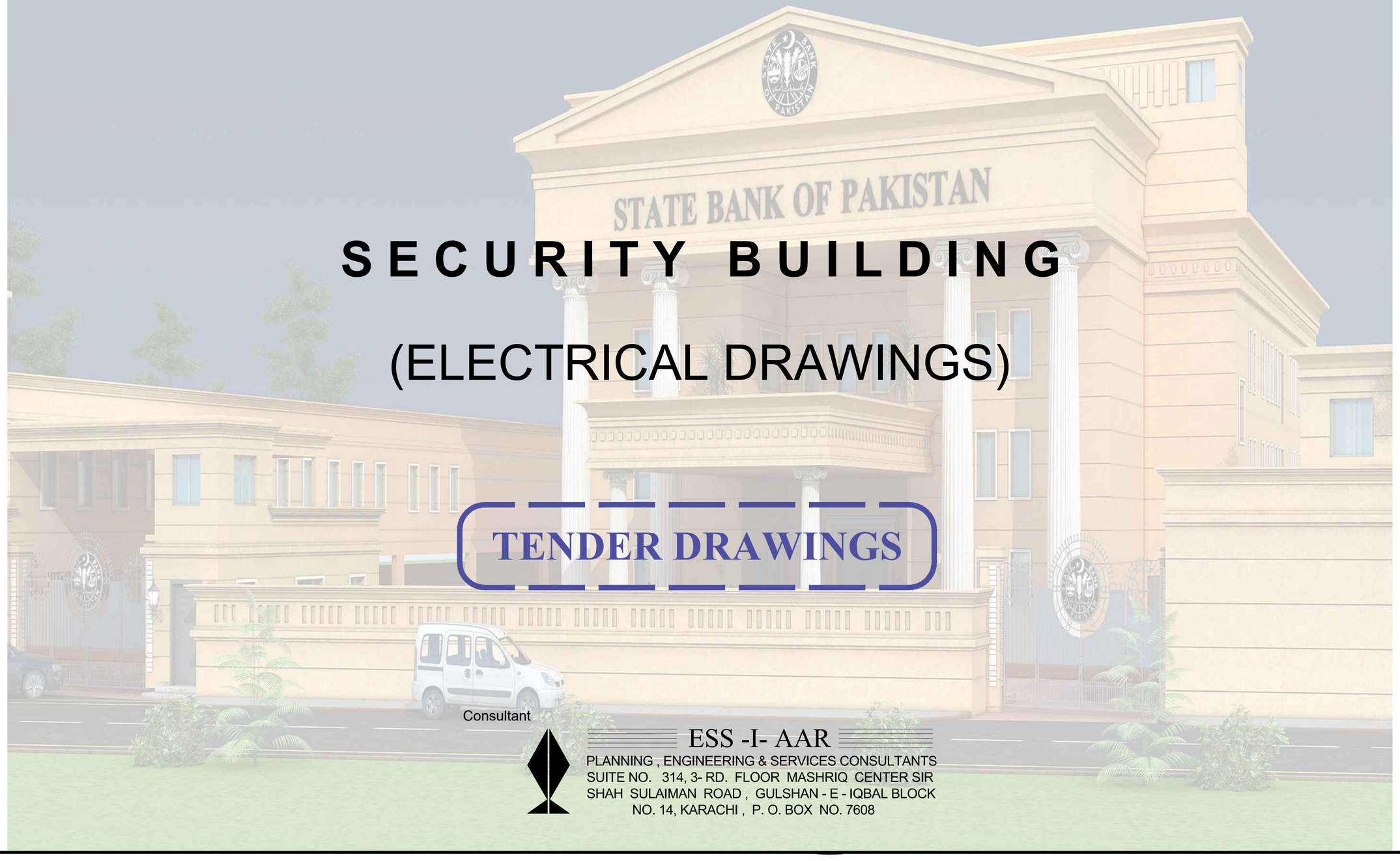
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: PROJECT MANAGEMENT DISTT. ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ROOF FLOOR FIRE ALARM AND PUBLICE ADDRESS LAYOUT PLAN	DATE: 02-08-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-MB EL-22


CAR PARKING
19 NOS
20'-0" WIDE DRIVEWAY
24'-6" WIDE DRIVEWAY
20'-0" WIDE DRIVEWAY
18'-6" WIDE DRIVEWAY
TABLE
SKYLIGHT
MAIN GATE
LAWN
PORCH
RAMP
STAIR
LIFT
LOCKERS ROOM
GYM
MEETING ROOM
STRONG ROOM
DUAL VAULT
OFFICE
PRAYER HALL
PANTRY
KITCHEN
SERVERY
COUNTER
PUBLIC LOBBY
RECEPTION
BANK PAYMENT COUNTER
BOARD ROOM
PODIUM
CONF.
SERVER ROOM
ELECTRIC SUB STATION
GENERATOR ROOM
SPACE FOR DUMPY BOOTHS
PARKING SHED FOR VISITORS
SECURITY GUARD ROOM
SUMP
MAIN WATER METER CHAMBER
RAIN WATER DISPOSAL
SEWERAGE DISPOSAL
SEWERAGE TREATMENT PLANT
SUBMERSIBLE PUMP
SUCTION TANK
DELIVERY TANK
SEWERAGE PUMP
SEWERAGE TANK
SEWERAGE VENT
SEWERAGE MANHOLE
SEWERAGE INSPECTION CHAMBER
SEWERAGE GULLY TRAP
SEWERAGE VENT PIPE
SEWERAGE PIPE
SEWERAGE PIPE
SEWERAGE


ROOF PLAN & STAIR TOWER ROOF
(Lev. +52'-0")
KHAPRAIL
KHAPRAIL
STAIR TOWER ROOF +52'-10"
LIFT TOWER +52'-10"
STAIR & LIFT TOWER +52'-10"
STAIR & LIFT TOWER +52'-10"
ROOF +52'-10"
STAIR TOWER ROOF +52'-10"
ROOF +52'-10"
ROOF +52'-10"
SEE ROOF DRAWING FOR DETAILS
SEE ROOF DRAWING FOR DETAILS
SEE ROOF DRAWING FOR DETAILS

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



SECURITY BUILDING

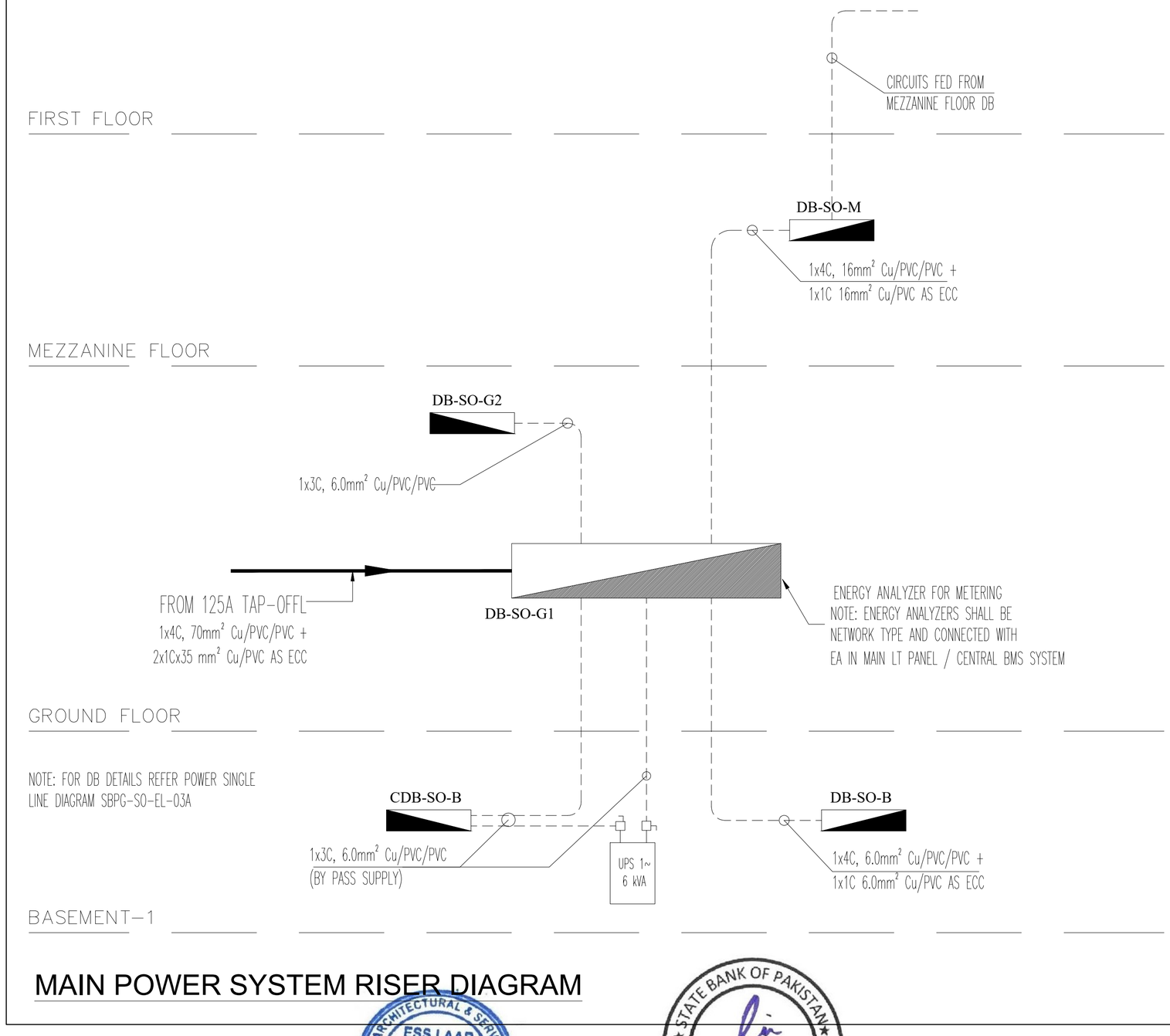
(ELECTRICAL DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608



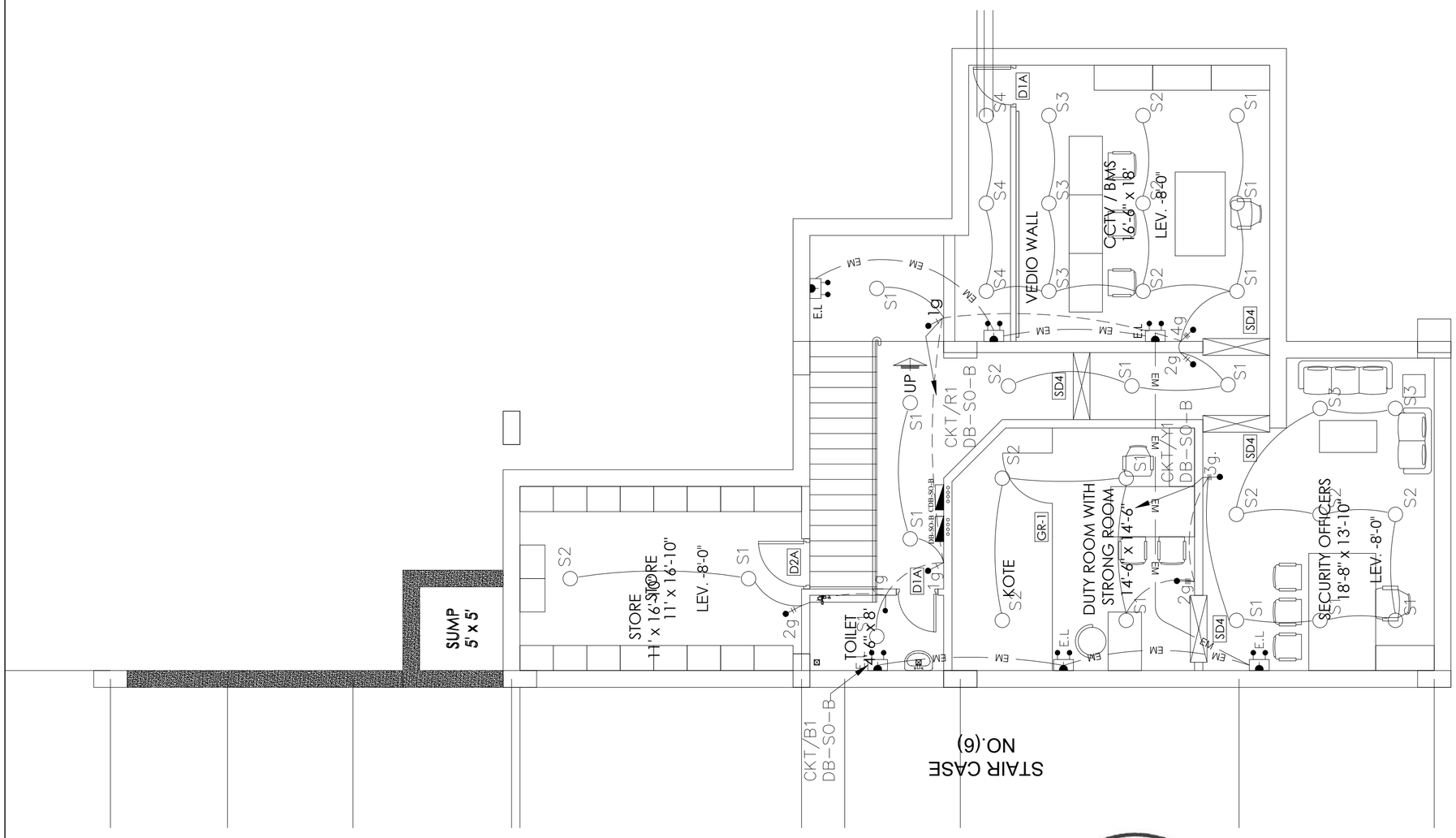
MAIN POWER SYSTEM RISER DIAGRAM

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: MAIN POWER SYSTEM RISER DIAGRAM	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: AA / JOB NO.	SBPG-SO EL-03

DB-SO-G2
CABLE
3xYJV25sqmm Cu/PVC
3xYJV4sqmm Cu/PVC
3xYJV4sqmm Cu/PVC
CIRCUITS IN USE
C1 TO C3
C5 TO C6
C9 TO C10
SPARE CIRCUITS
C4
C7 TO C8
C11
USAGE
LIGHTING & 5A SOCKETS
15A SOCKETS
AC UNITS
4 NOS.
16A DP RCCBO (100mA TRIP)
4 NOS.
16A DP RCCBO (100mA TRIP)
3 NOS.
25A DP RCCBO (30mA TRIP)
230V,40A,50Hz SP+N+E
40A
MAIN AVAILABLE
Icu=10kA
FROM DB-SO-G1
REFER RISER DIAGRAM FOR CABLE SIZE
NOTES:
FOR LEGENDS, GENERAL NOTES REFER DRG# SBPG-SO-EL-02, 1, 1A
FOR POWER AND SYSTEMS SCHEMATIC DRG# SBPG-SO-EL-03
ALL ENERGY ANALYZERS SHALL BE NETWORK TYPE AND LOOPED TOGETHER WITH VENDOR RECOMMENDED CABLE
CDB-SO-B
CABLE
3xXLPE4sqmm Cu/PVC
CIRCUITS IN USE
C1 TO C6
SPARE CIRCUITS
C7 TO C8
USAGE
UPS POWER SOCKETS
C1 ..... C6
8X16A SP MCB
C7 ..... C8
2X16A SP MCB
16
16
250V,40A,50Hz SP+N+E
25A DP MANUAL CHANGEOVER SWITCH
UPS (BY-PASS)
40
40
40A
MAIN AVAILABLE
Icu=6kA
FROM DB-SO-G1
REFER RISER DIAGRAM FOR CABLE SIZE
1~ 16A SP+N+E INDUSTRIAL SOCKET
UPS OUT
OWNER PROVIDED UPS
1~
MAIN IN
6-kVA UPS
DB-SO-M
CABLE
3xYJV25sqmm Cu/PVC
3xYJV4sqmm Cu/PVC
3xYJV4sqmm Cu/PVC
TO DB-SO-G2
TO CDB-SO-B
TO DB-SO-M
TO DB-SO-B
CIRCUITS IN USE
R1 TO R2
R3 TO R5
R6 TO R8
SPARE CIRCUITS
R3
R6
USAGE
LIGHTING
5A SOCKETS
AC UNITS, HAND DRYER
R1 ..... B2
6X10A SP MCB
10
10
R2 ..... B3
3X10A SP MCB
10
10
R3 ..... B4
6X16A SP MCB
16
16
R4 ..... B5
6X16A SP MCB
16
16
R5 ..... B6
3X20A SP MCB
20
20
R6 ..... B8
5X20A SP MCB
20
20
25A RCCB (100mA IMP)
25A RCCB (30mA IMP)
400/230V,60A,50Hz TP+N+E
50A
MAIN AVAILABLE
Icu=6kA
FROM DB-SO-G1
REFER RISER DIAGRAM FOR CABLE SIZE
DB-SO-G1
CABLE
3xYJV25sqmm Cu/PVC
3xYJV4sqmm Cu/PVC
3xYJV4sqmm Cu/PVC
TO DB-SO-B
TO DB-SO-G2
CIRCUITS IN USE
R1 TO B1
B2 TO Y2
B4 TO Y6
SPARE CIRCUITS

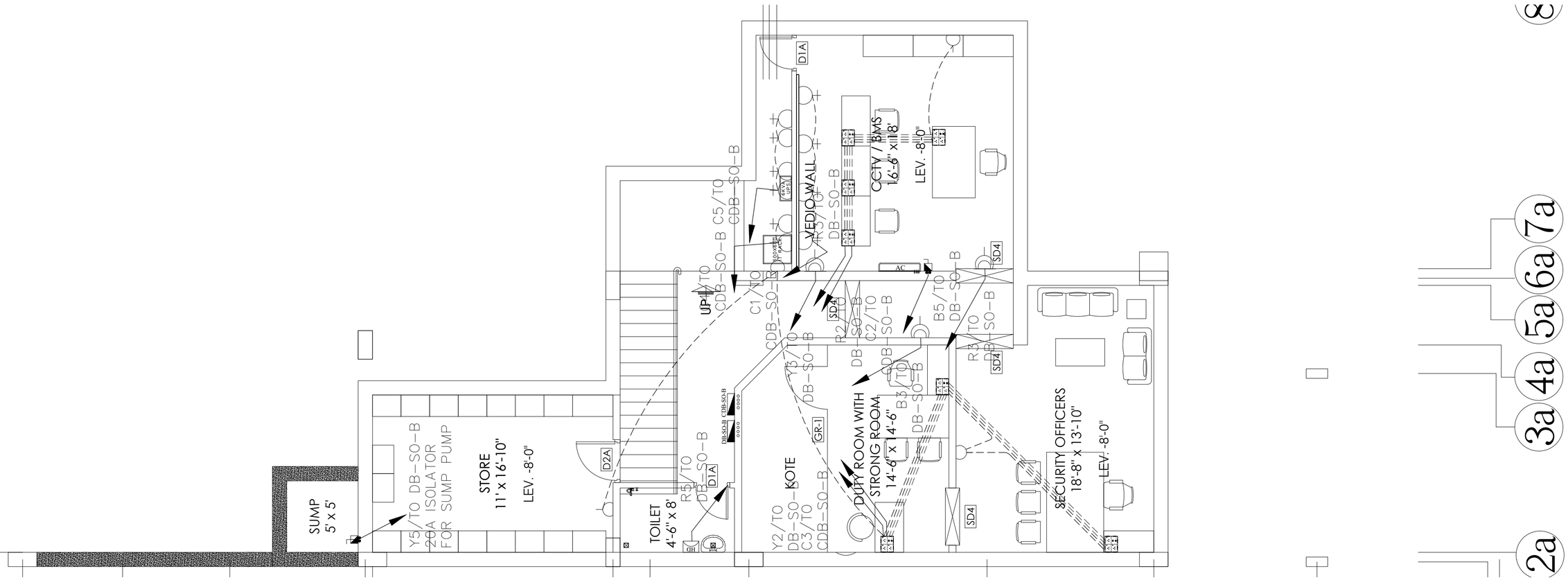
B2
B6
USAGE
LIGHTING
5A SOCKETS
AC UNITS, HAND DRYER & ENERGY ANALYZER
R1 ..... B1
3X10A SP MCB
10
10
R2 ..... B2
3X10A SP MCB
10
10
R3 ..... B3
3X16A SP MCB
16
16
R4 ..... B4
6X16A SP MCB
16
16
R5 ..... B5
3X20A SP MCB
20
20
R6 ..... B6
9X20A SP MCB
20
20
25A RCCB (100mA IMP)
25A RCCB (30mA IMP)
EA
ENERGY ANALYZER
400/230V,150A,50Hz TP+N+E
125A TP MCCB
FROM 125A TRIP-OFF
Icu=16kA
REFER RISER DIAGRAM FOR CABLE SIZE
DB-SO-B
CABLE
3xXLPE4sqmm Cu/PVC
3xYJV4sqmm Cu/PVC
3xYJV4sqmm Cu/PVC
NOTE: B1 IS FOR EM LIGHTS
TO DB-SO-G1
CIRCUITS IN USE
R1 TO B1
B2 TO Y2
B3 TO B5
B4 TO B6
SPARE CIRCUITS
B2
B4
USAGE
LIGHTING
5A SOCKETS
AC UNITS, HAND DRYER & SUMP
R1 ..... B1
3X10A SP MCB
10
10
R2 ..... B2
3X10A SP MCB
10
10
R3 ..... B3
6X16A SP MCB
16
16
R4 ..... B4
6X16A SP MCB
16
16
R5 ..... B5
3X20A SP MCB
20
20
25A RCCB (100mA IMP)
25A RCCB (30mA IMP)
400/230V,50A,50Hz TP+N+E
40A
MAIN AVAILABLE
Icu=10kA
FROM DB-SO-G1
REFER RISER DIAGRAM FOR CABLE SIZE
MEZZANINE FLOOR
GROUND FLOOR
BASEMENT FLOOR
TENDER DRAWING
Client
STATE BANK OF PAKISTAN
Job
CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
SECURITY OFFICE BUILDING
Consultant
ESS -I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 304, 3-RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO: 14, KARACHI , P. O. BOX NO. 7608
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT
ESS.I.AAR 314, Mashriq Centre S.S. Sulaiman Road, Gulshan-e-Iqbal Karachi
TITLE
POWER SINGLE LINE DIAGRAMS-SLD
DATE
07-06-2021
COM. LOCATION.
SHEET REF.
ELECT.
Ref. Rev.
AS PER REVISED ARCHITECTURE UPDATED REVISION (01)
SCALE
N.T.S
DRAWN
S.K
CHKD. BY
AA
JOB NO.
SBPG-SO-EL-03A



8a 6a 7a 5a 4a 3a 2a 1b 1a

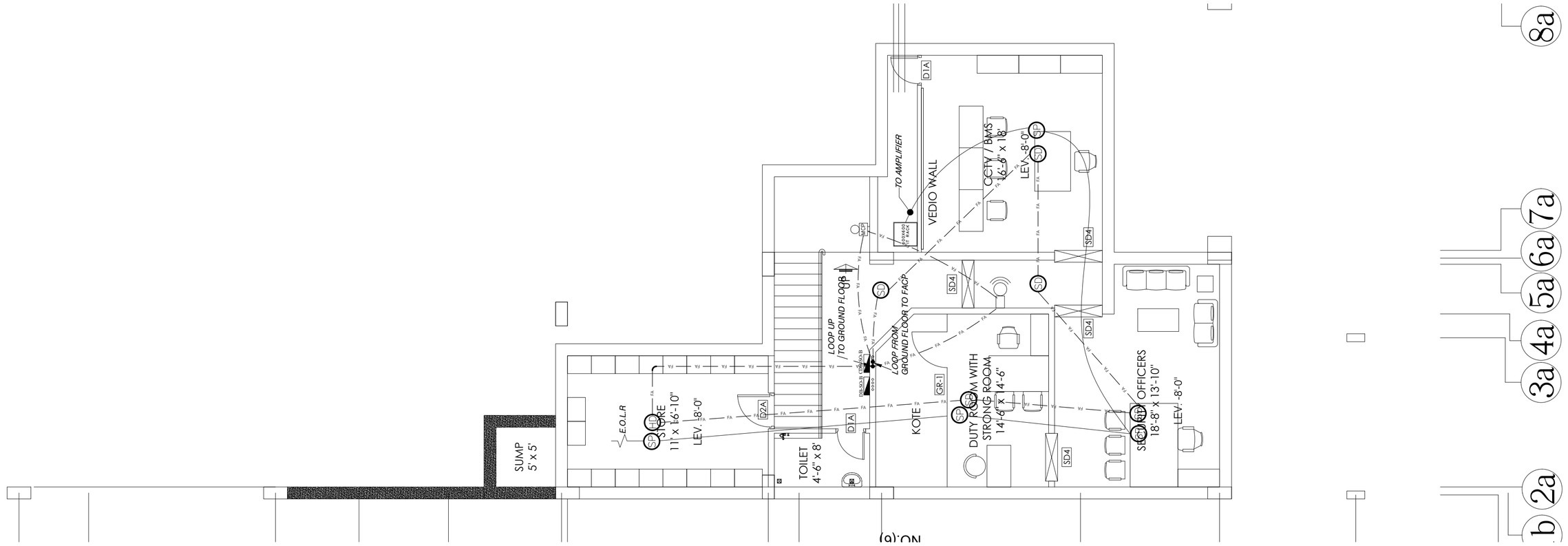
TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	BASEMENT-1 LIGHTING LAYOUT PLAN	07-06-2021		ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-SO-EL-04



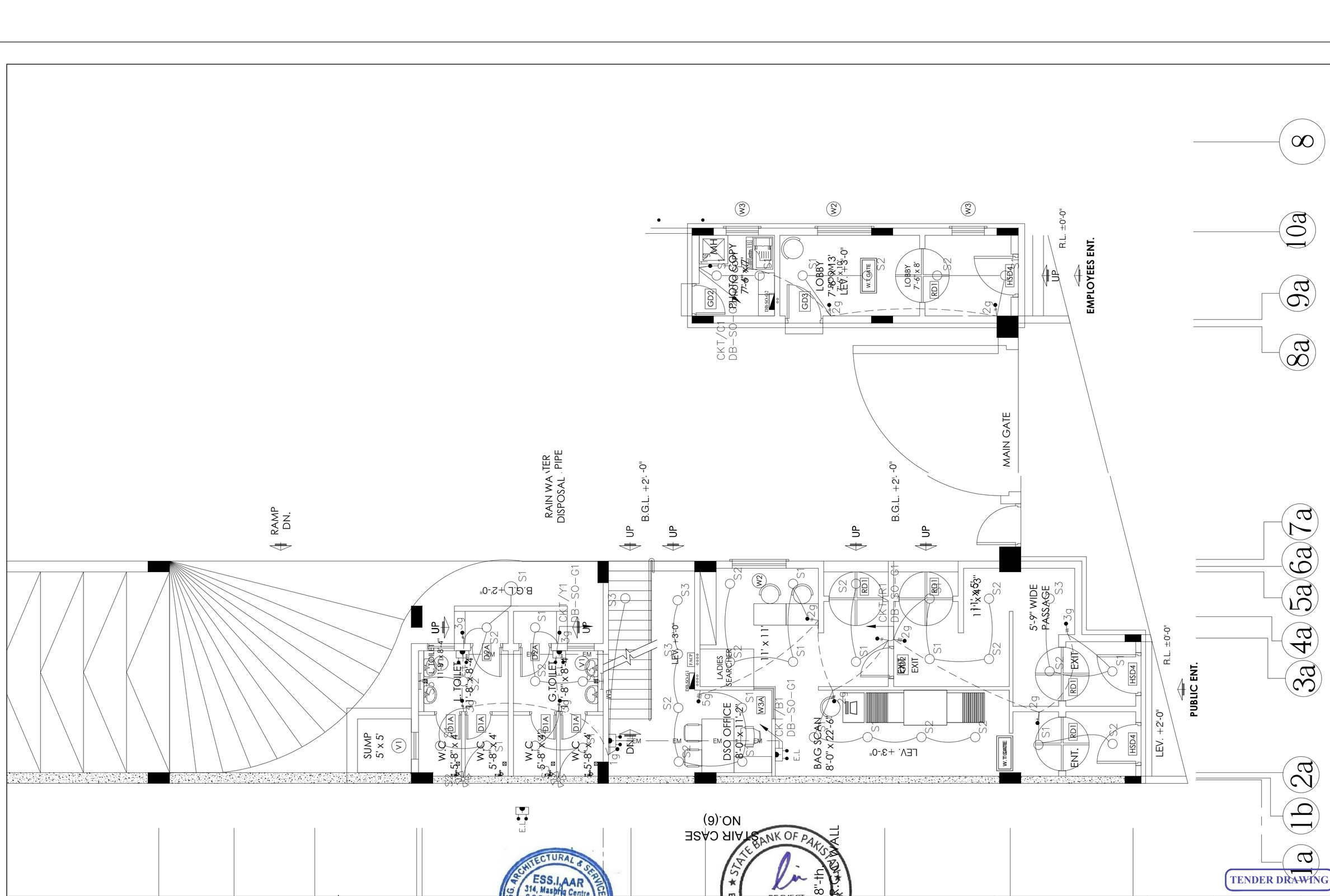
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: BASEMENT-1 POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-SO-EL-05



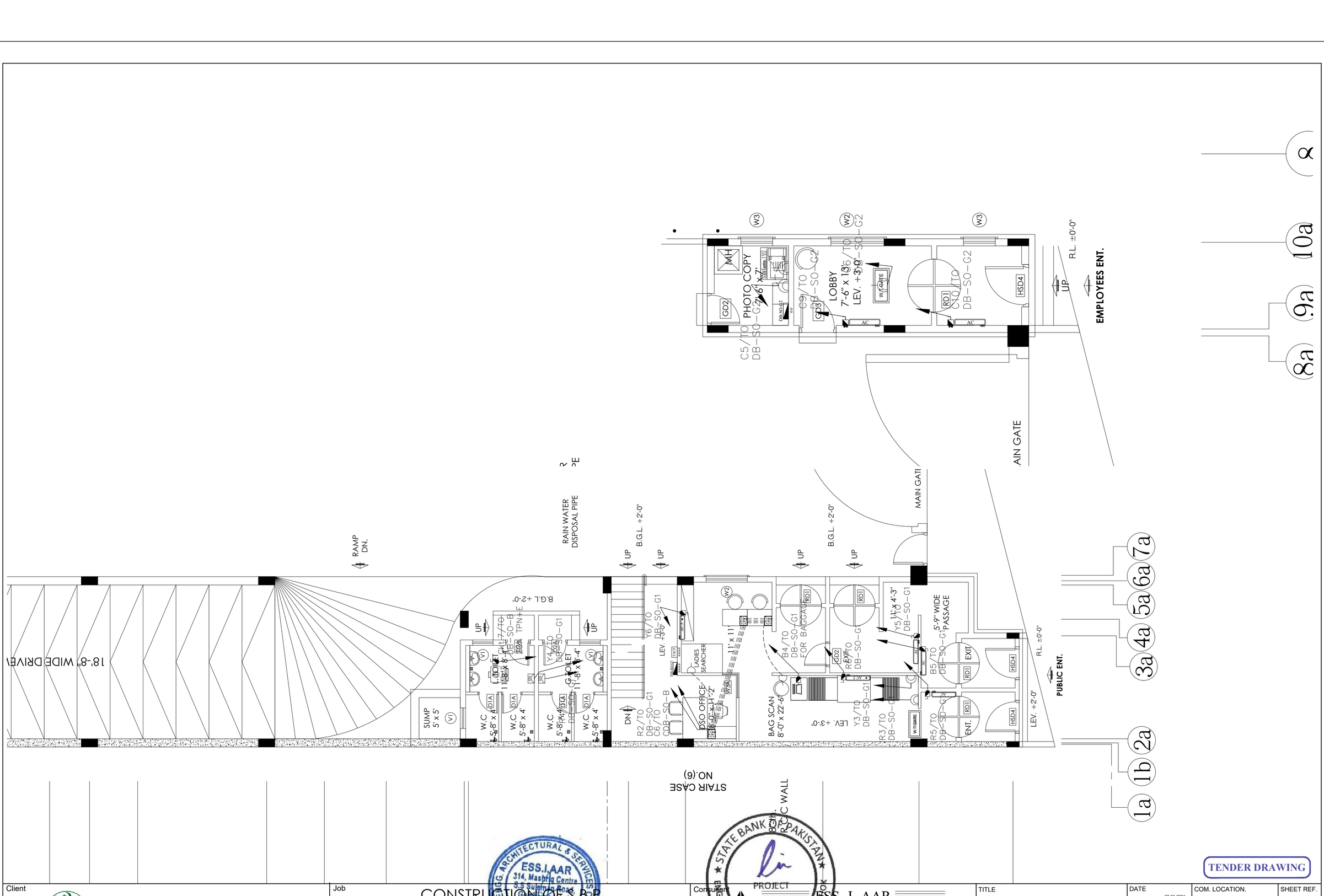
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: BASEMENT-1 FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-SO-EL-06



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GROUND FLOOR LIGHTING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-SO-EL-07



TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	GROUND FLOOR POWER LAYOUT PLAN	07-06-2021		SBPG-SO-EL-08
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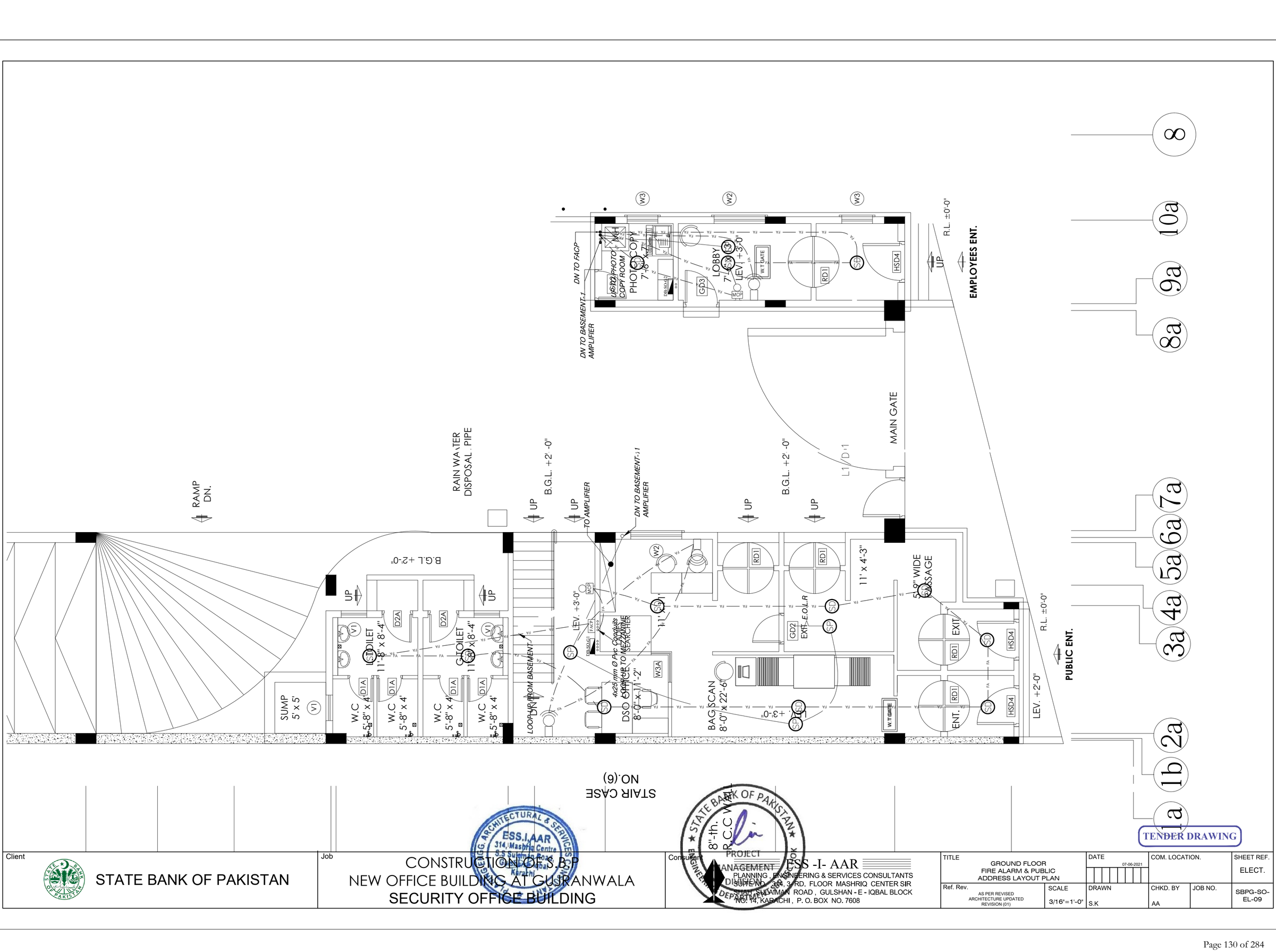
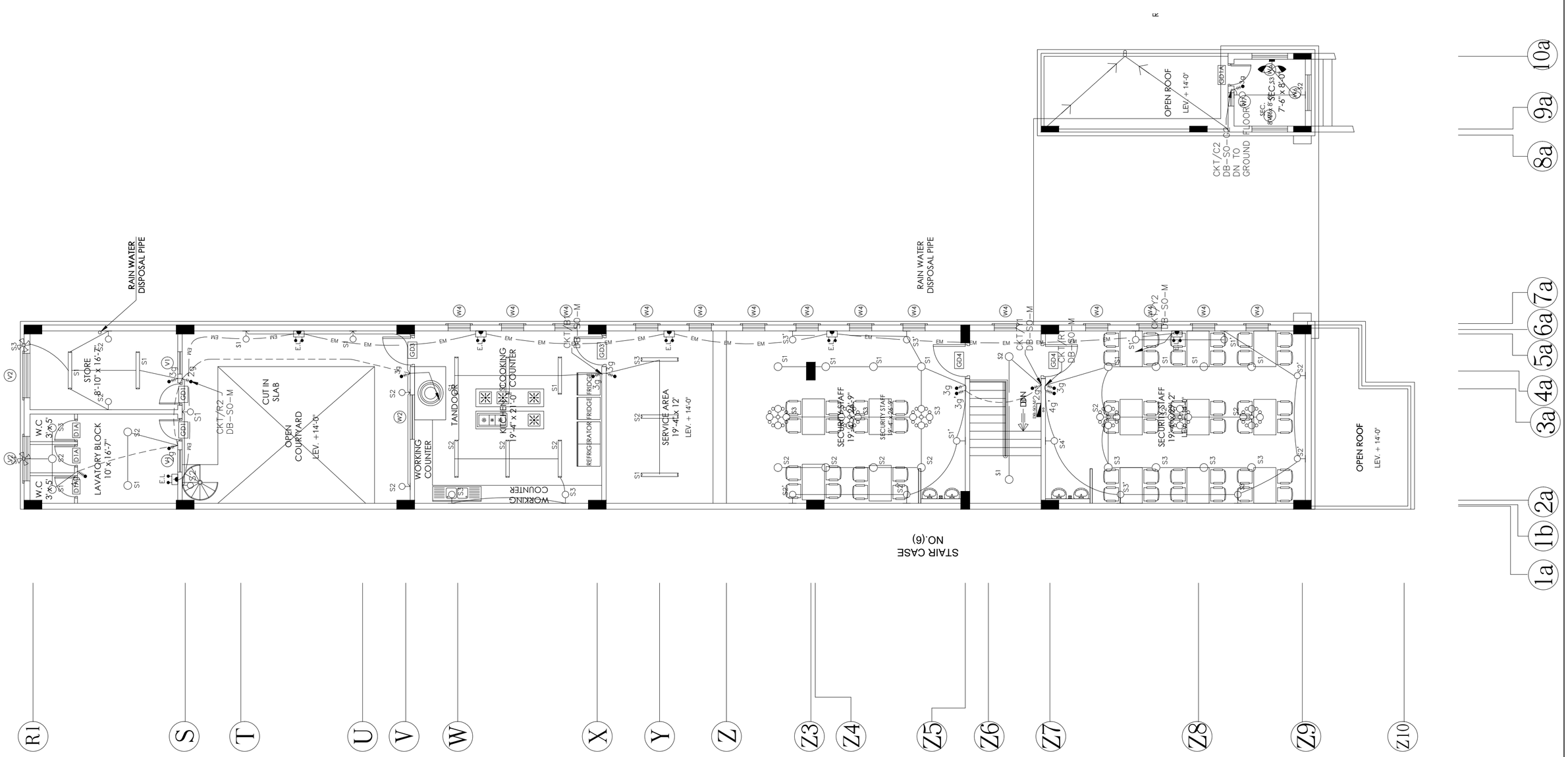


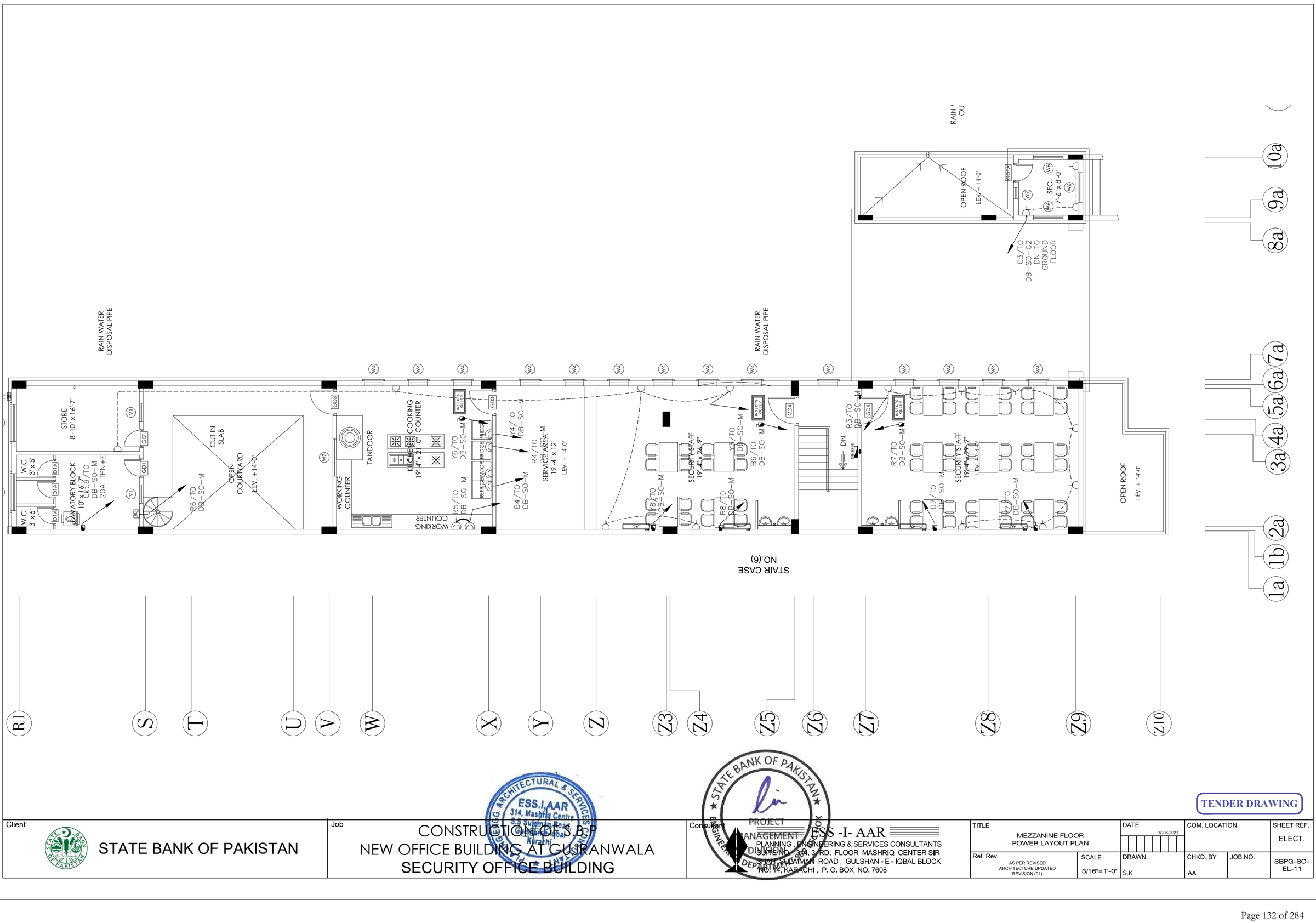
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GROUND FLOOR FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-SO-EL-09



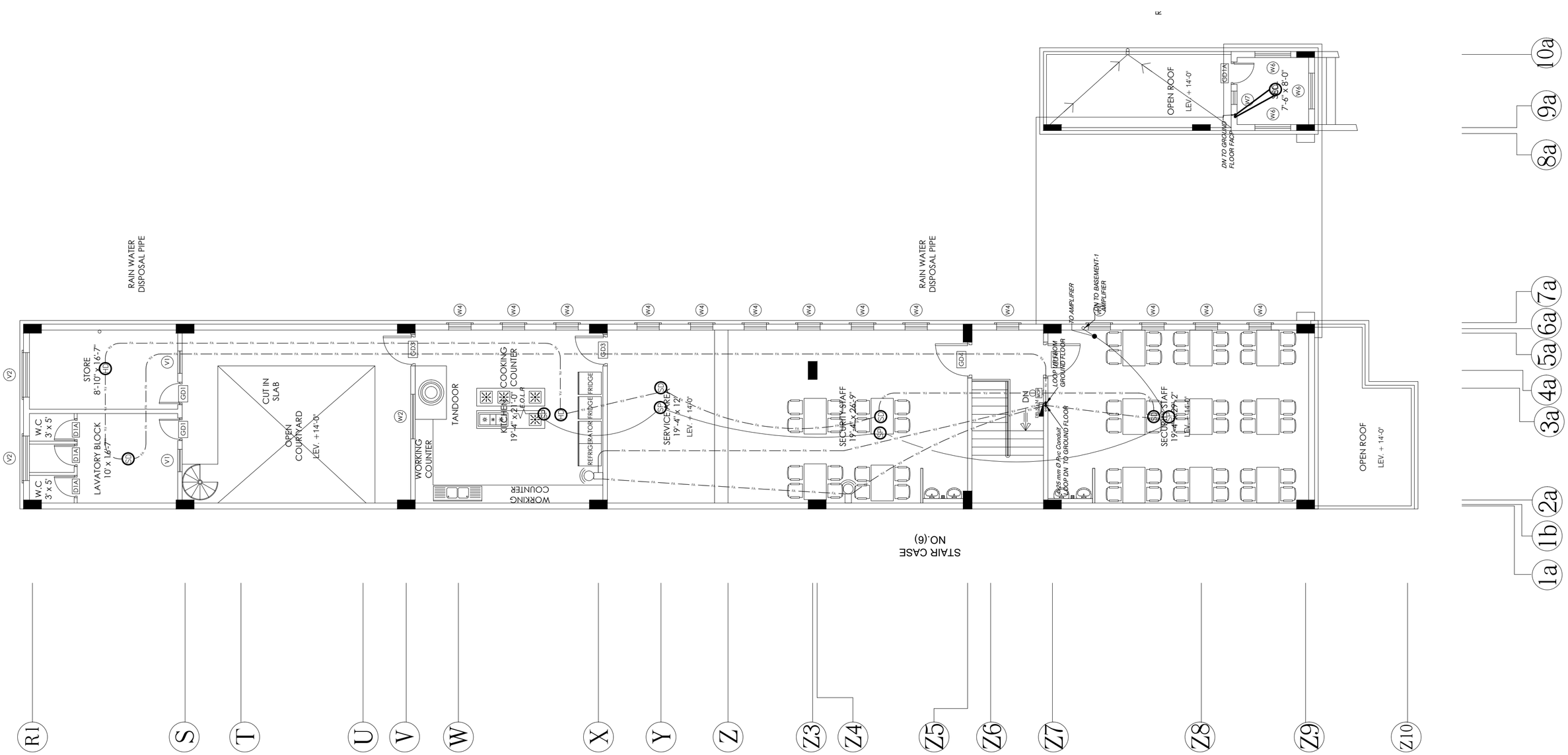
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: PROJECT MANAGEMENT DIVISION — ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: MEZZANINE FLOOR LIGHTING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-SO-EL-10



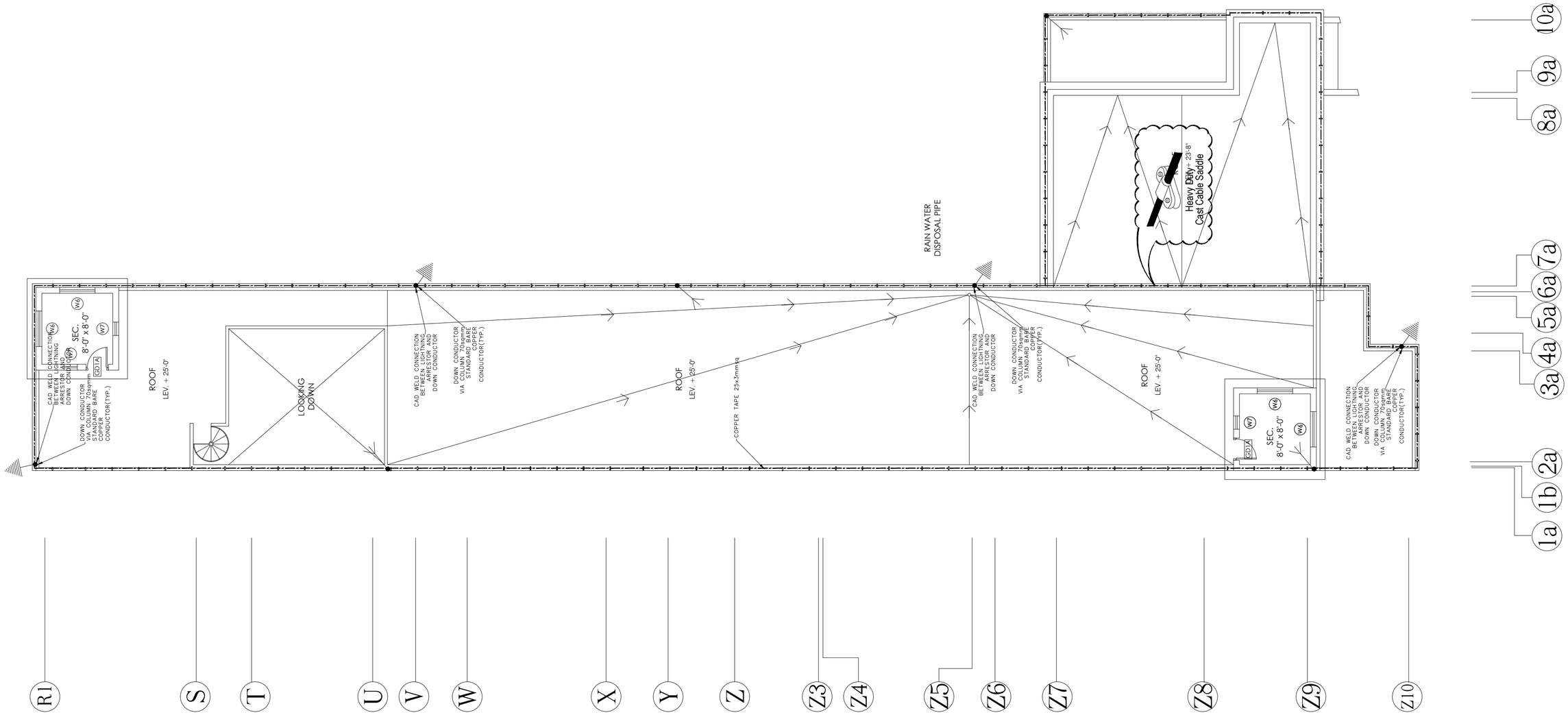
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: MEZZANINE FLOOR POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA
					JOB NO.	SBPG-SO-EL-11



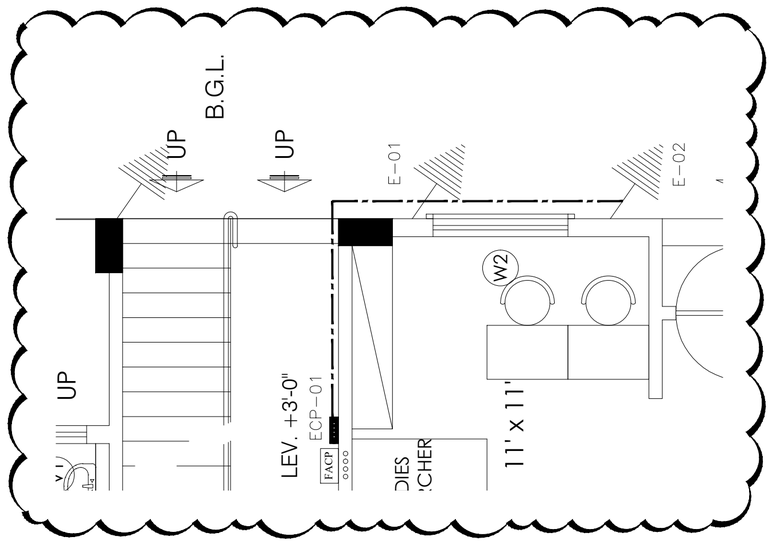
TENDER DRAWING

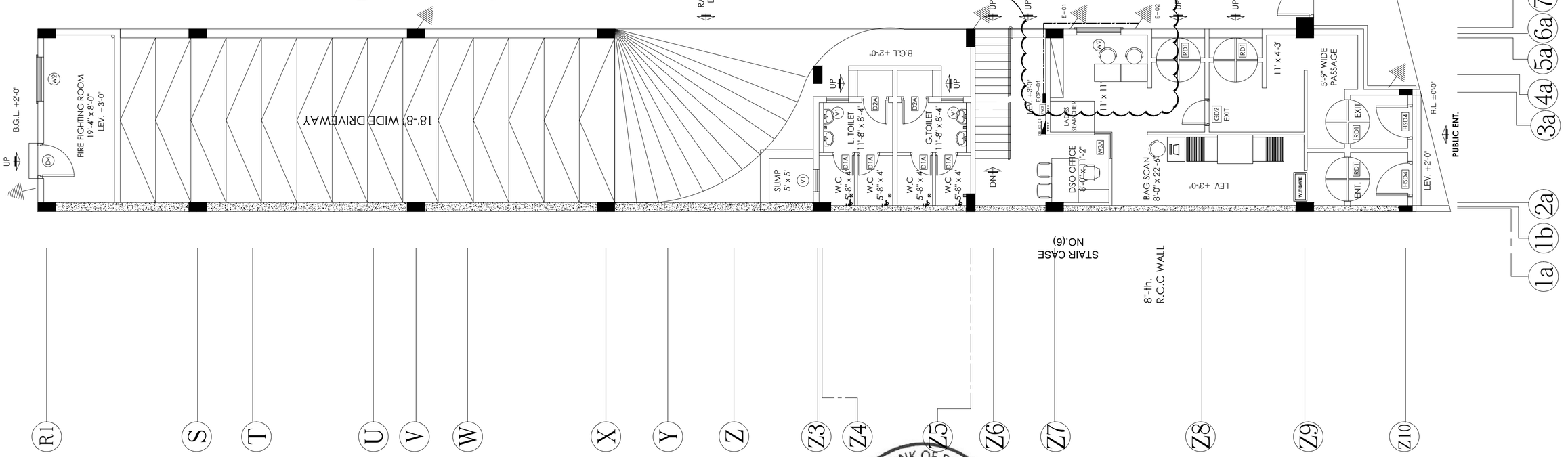
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: MEZZANINE FLOOR FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-SO-EL-12



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: LIGHTNING PROTECTION LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-SO-EL-13



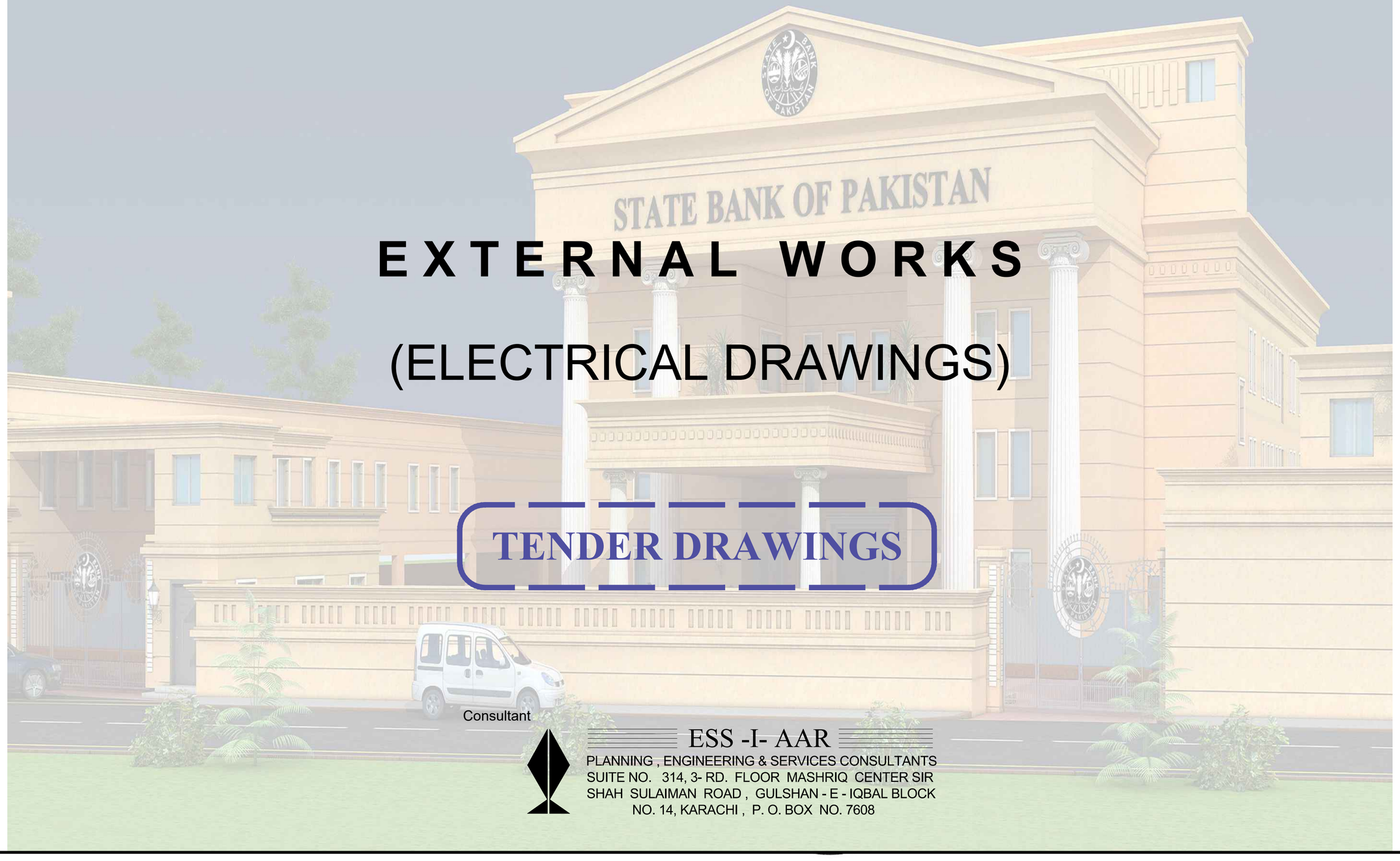


TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA SECURITY OFFICE BUILDING	Consultant: ESS -I- AAR PROJECT MANAGEMENT DIVISION. PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: EARTHING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE UPDATED REVISION (01)	SCALE: 3/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-SO-EL-14

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



EXTERNAL WORKS

(ELECTRICAL DRAWINGS)

TENDER DRAWINGS

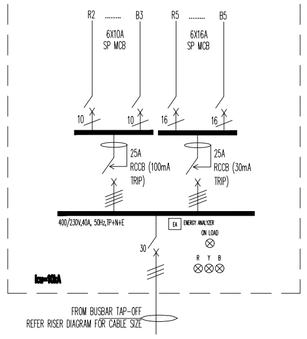
Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

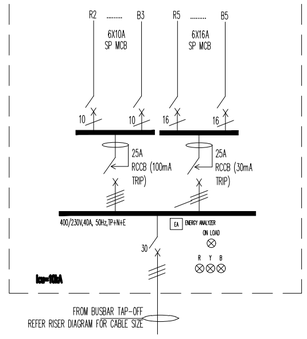
DB-BMS

CABLE	3x10x2.5sqmm Cu/PVC	3x10x4.0sqmm Cu/PVC	
CIRCUITS IN USE	R1 TO B1	R3 TO B4	
SPARE CIRCUITS	R2 TO B2	Y4 TO B4	
USAGE	LIGHTING	15A SOCKETS	



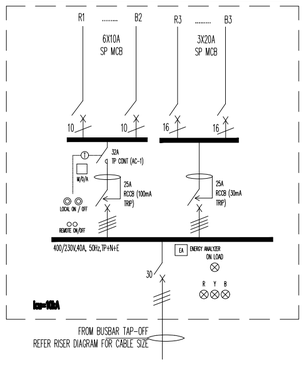
DB-WAPDA

CABLE	3x10x2.5sqmm Cu/PVC	3x10x4.0sqmm Cu/PVC	
CIRCUITS IN USE	R1 TO R2	R3 TO R4	
SPARE CIRCUITS	Y2 TO B2	Y4 TO B4	
USAGE	LIGHTING	15A SOCKETS	



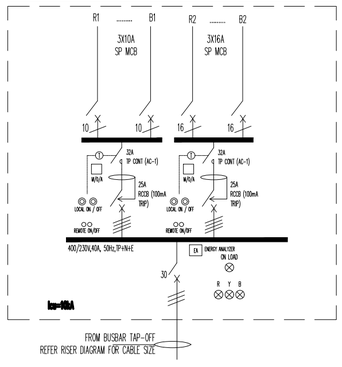
DB-EXT-1

CABLE	3x10x2.5sqmm Cu/PVC	3x10x4.0sqmm Cu/PVC	
CIRCUITS IN USE	R1 TO B1	R3 TO B3	
SPARE CIRCUITS	R2 TO B2	----	
USAGE	EXTERIOR LIGHTING	15A SOCKETS	



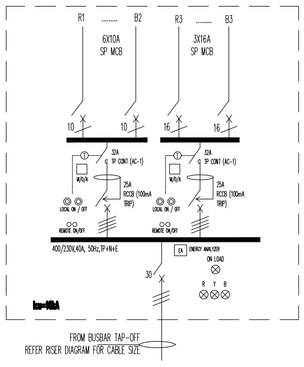
DB-EXT-2

CABLE	3x10x2.5sqmm Cu/PVC	3x10x2.5sqmm Cu/PVC	
CIRCUITS IN USE	R1 TO Y1	----	
SPARE CIRCUITS	B1	R2 TO B2	
USAGE	EXTERIOR LIGHTING	FACADE LIGHTING	

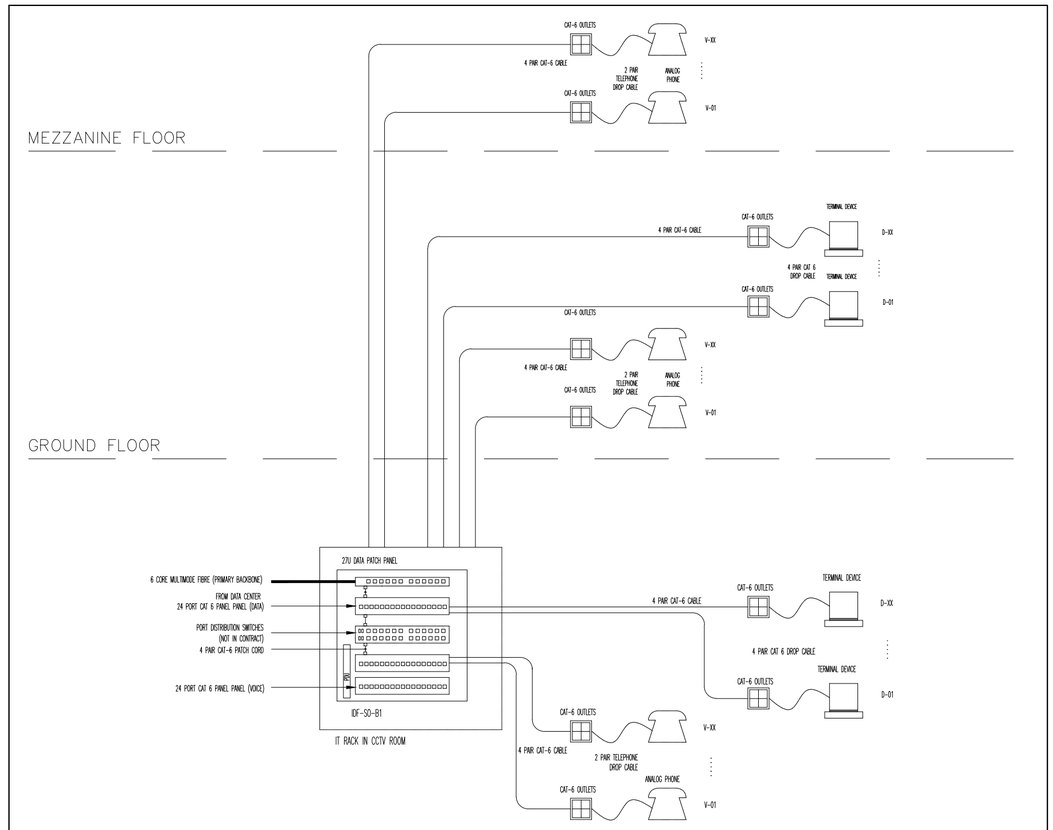


DB-EXT-3

CABLE	3x10x2.5sqmm Cu/PVC	3x10x4.0sqmm Cu/PVC	
CIRCUITS IN USE	R1 TO R2	----	
SPARE CIRCUITS	Y2 TO B2	R3 TO B3	
USAGE	EXTERIOR LIGHTING	EXTERIOR LIGHTING	



NOTES:
FOR LEGENDS, GENERAL NOTES REFER DRG# SBPG-G-EL-01, 02A AND 02B
FOR MAIN RAISER DIAGRAM DRG# SBPG-G-EL-04
FOR MAIN POWER SINGLE LINE DIAGRAM DRG# SBPG-G-EL-04A
ALL ENERGY ANALYZERS SHALL BE NETWORK TYPE AND LOOPED TOGETHER WITH VENDOR RECOMMENDED CABLE



MAIN COMMUNICATION SYSTEM RISER DIAGRAM (TO BE COORDINATED WITH OVERALL ICT SYSTEM RISER DIAGRAM)

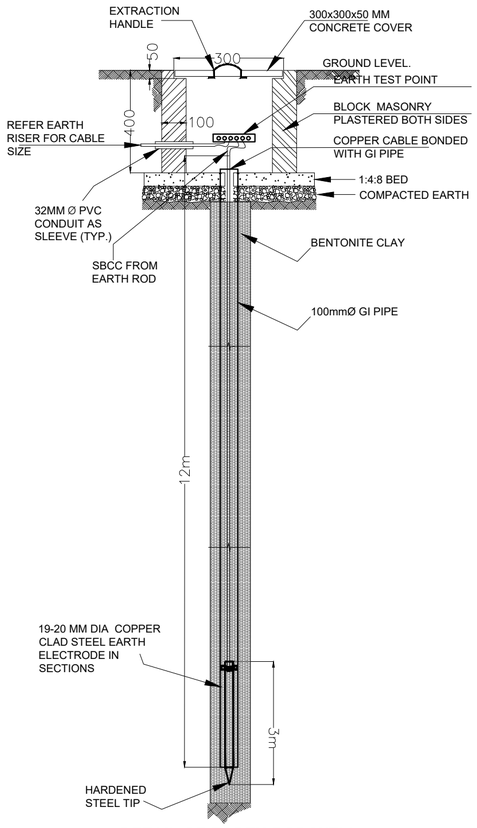
TENDER DRAWING

Client: STATE BANK OF PAKISTAN

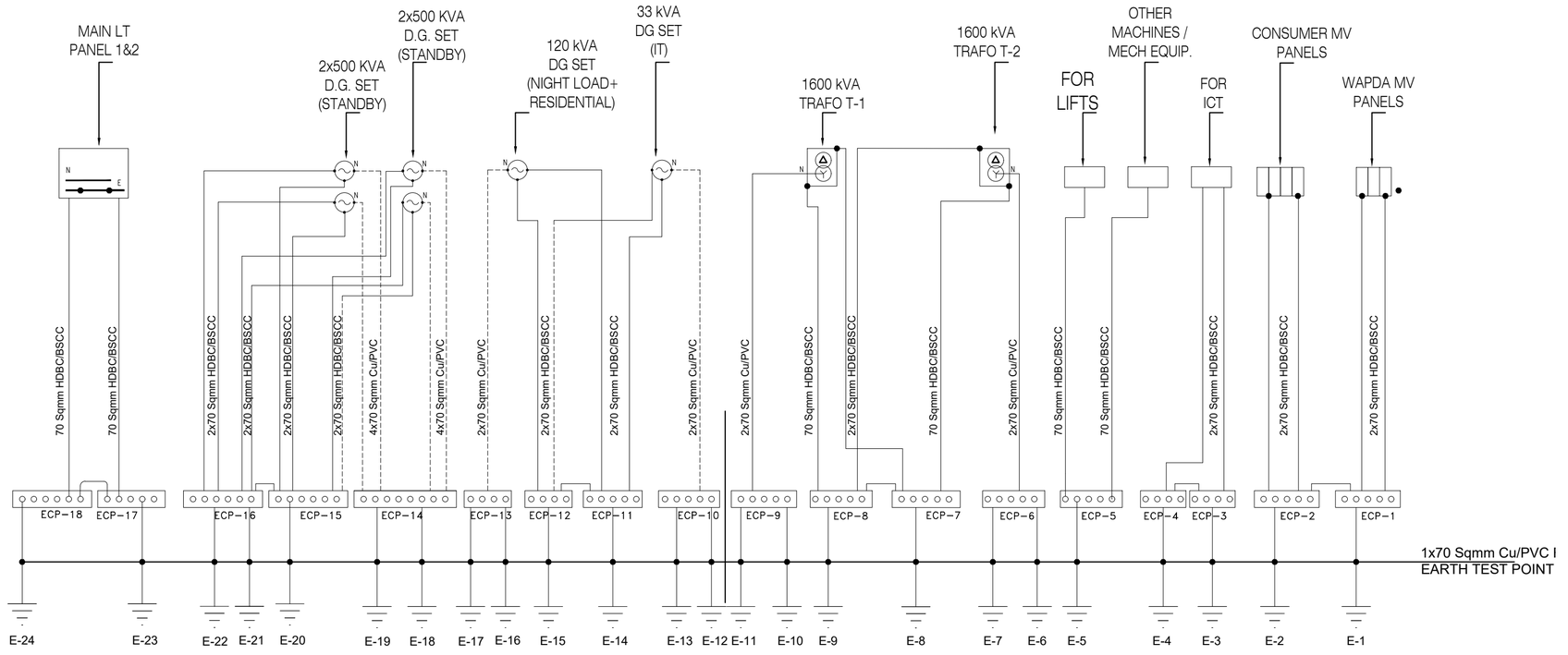
Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA

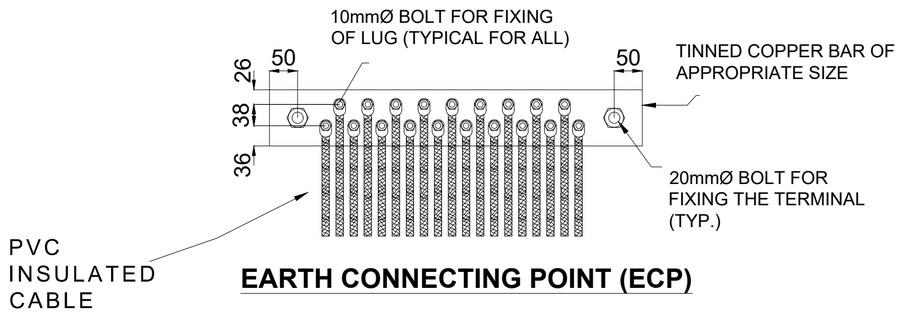
Consultant: ESS -I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS
DISTT. SUPTD. 3&4, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

TITLE	DATE	COM. LOCATION.	SHEET REF.
POWER AND SYSTEM SCHEMATIC DIAGRAM	07-06-2021		ELECT.
Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S	DRAWN: S.K	CHKD. BY: AA / JOB NO.	SBPG-EX-EL-03



DETAIL OF EARTH ROD/WELL





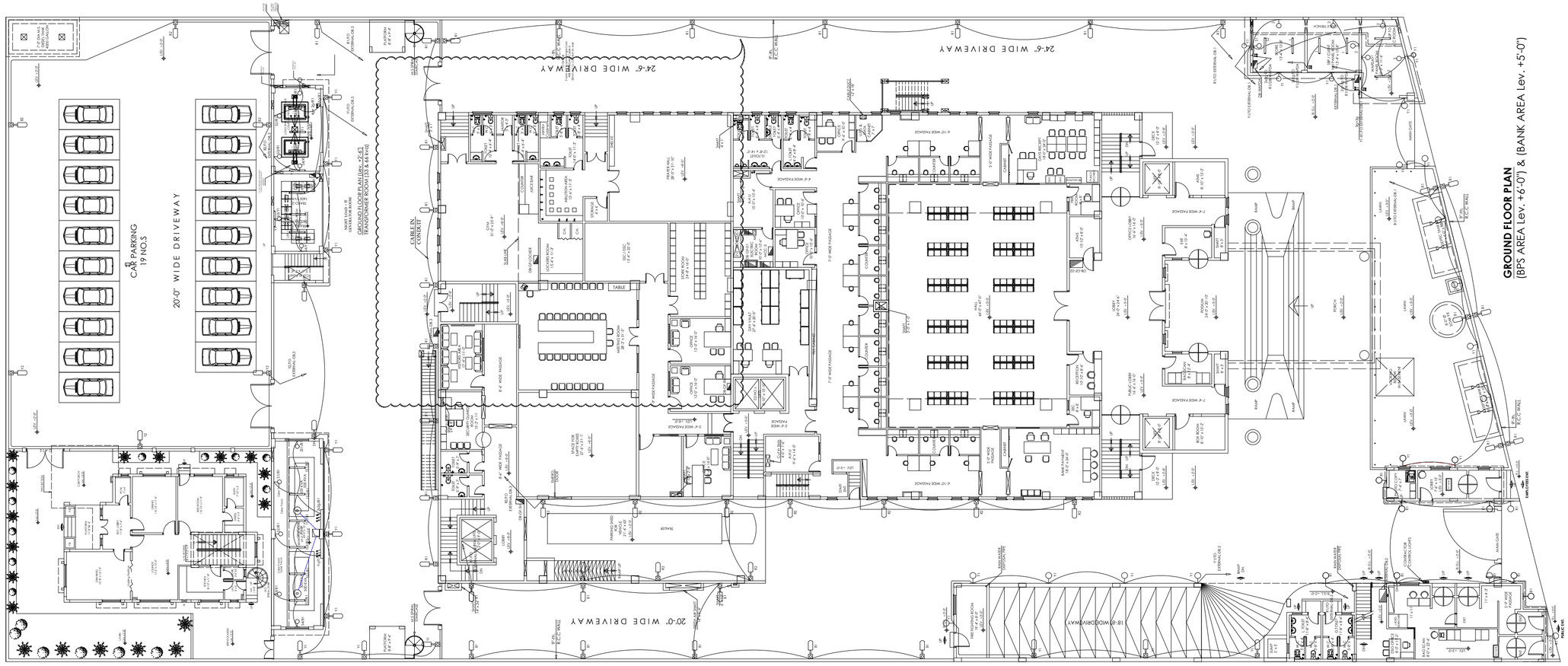
EARTH CONNECTING POINT (ECP)

NOTES :

1. LOCATION OF EARTH CONNECTING POINTS SHALL BE FINALIZED IN DETAIL WORKING DRAWINGS
2. SIZE OF EARTHING CONDUCTORS TO BE AS BELOW:
   - FOR EQUIPMENT BODY & PROTECTION EARTHING :70Sqmm STRANDED HDBC CONDUCTOR
   - FOR GEN. &TRAFO NEUTRALS : 150 Sqmm 1-C Cu/PVC CONDUCTOR
   - FOR LIGHTNING PROTECTION 70Sqmm Cu/PVC CONDUCTOR CONNECTED TO DOWN CONDUCTOR AT ECP
3. EARTH TERMINAL TO BE OF TINNED COPPER BUS BAR MIN. 96% PURE (OR HIGHER) COPPER
4. ALL NUTS & BOLTS TO BE OF STAINLESS STEEL
5. EARTH ELECTRODE SHALL BE OF A 20mm DIA. STEEL ROD WITH A TIGHT FIT COPPER TUBE CLAD
6. EARTH ELECTRODE SHALL BE IN SECTIONS OF 1000mm LENGTH HAVING THREADS AT ENDS FOR JOINING
7. TOTAL LENGTH OF ELECTRODE : AS SHOWN
8. ELECTRODE SHALL BE DRIVEN IN GROUND THROUGH HAMMERING (LIGHTNING PROTECTION) OR LOWERED IN BORE HOLE FILLED WITH BENTONITE CHEMICAL (ALL OTHER EARTHING)
9. ALL NUTS/ BOLTS TO BE OF STAINLESS STEEL.

TENDER DRAWING

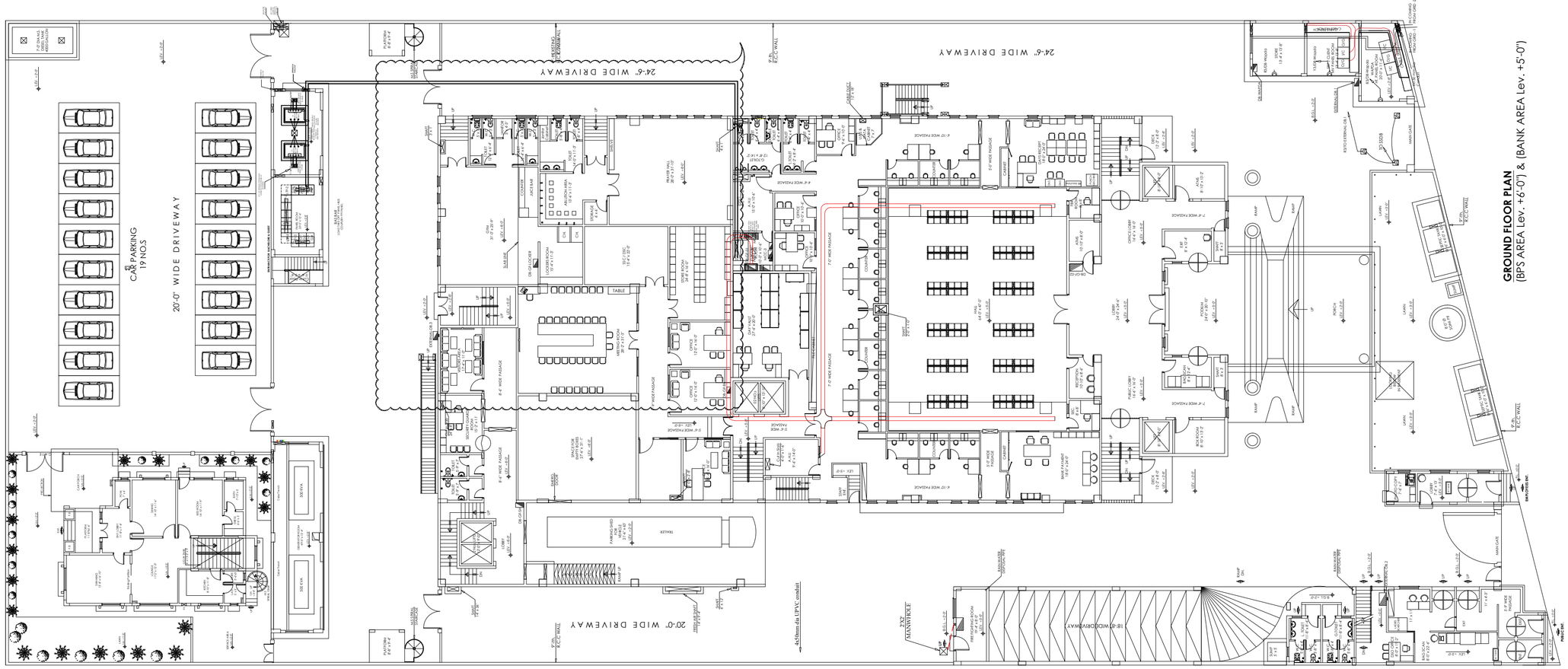
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: EXTERNAL EARTHING SCHEMATIC DIAGRAM	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev. / SCALE N.T.S.	DRAWN M.D - A.W / CHKD. BY AA / JOB NO.	SBPG-EX EL-04

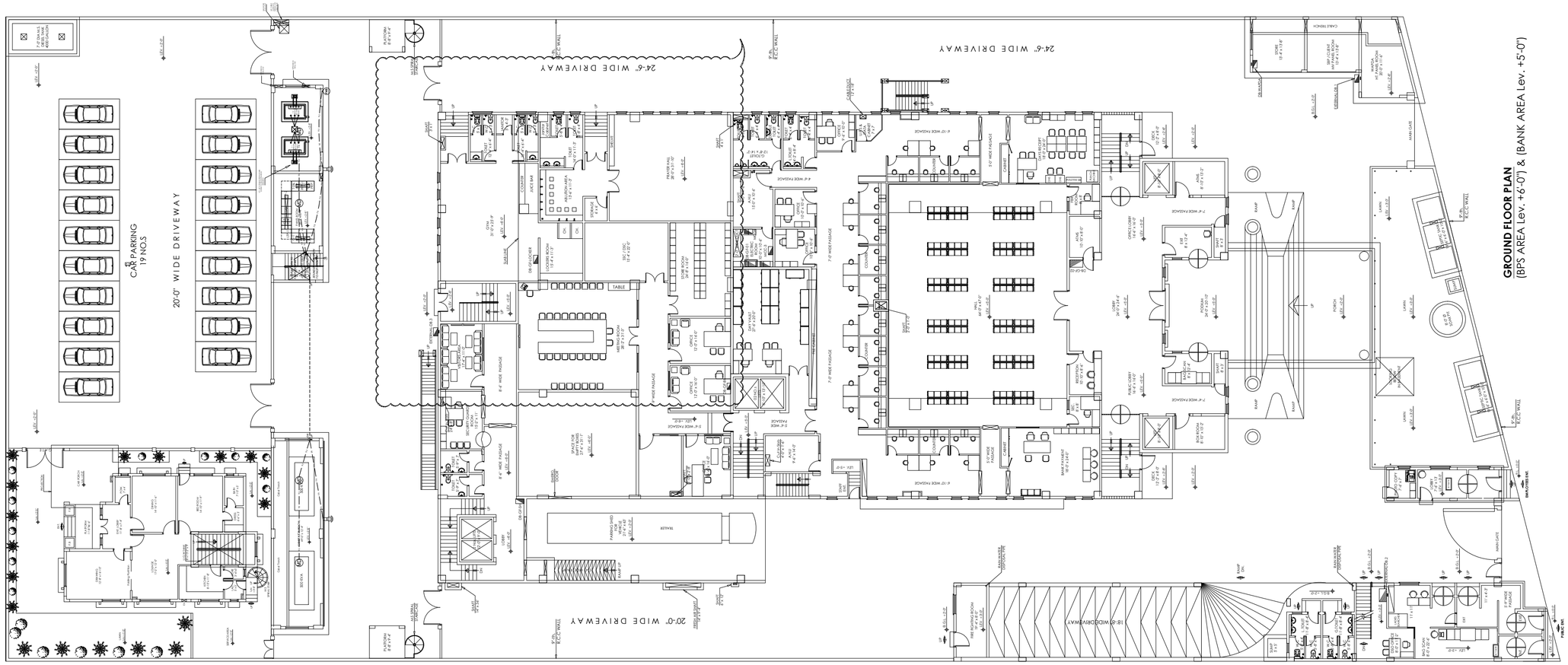


GROUND FLOOR PLAN
[BPS AREA Lev. +6'-0"] & [BANK AREA Lev. +5'-0"]

TENDER DRAWING

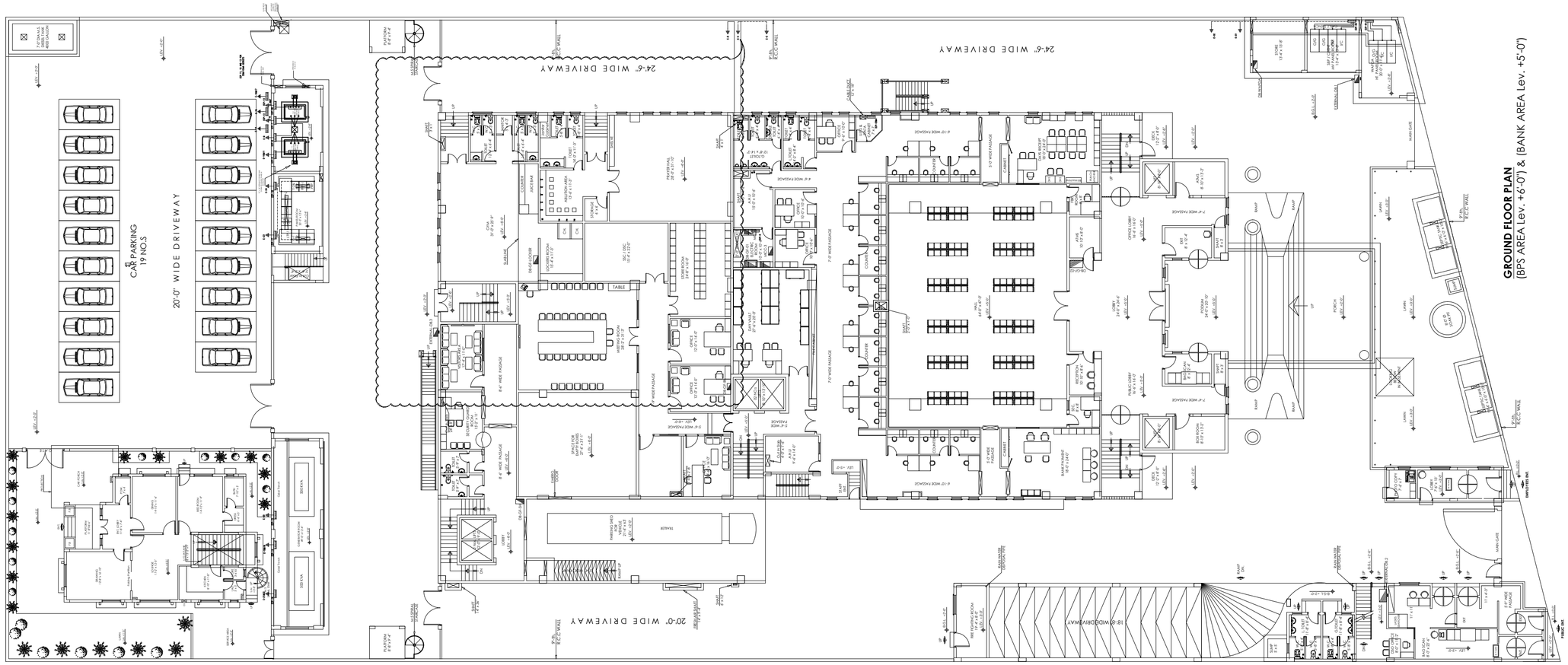
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GROUND FLOOR LIGHTING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-EX EL-05


24'-6" WIDE DRIVEWAY
20'-0" WIDE DRIVEWAY
CAR PARKING 19 NOS.
24'-6" WIDE DRIVEWAY
20'-0" WIDE DRIVEWAY
18'-0" WIDE DRIVEWAY
PARAMEDICAL STAFF FEMALE TOILET BLOCK
PARAMEDICAL STAFF MALE TOILET BLOCK
BANK AREA
MANAGER
MAIN LOBBY
MAIN ENTRANCE
MAIN EXIT
PORCH
RAMP
LAWN
PORTICO
SECURITY BOOTH
SECURITY ROOM
SECURITY OFFICE
SECURITY LOCKER ROOM
SECURITY GUARD ROOM



TENDER DRAWING

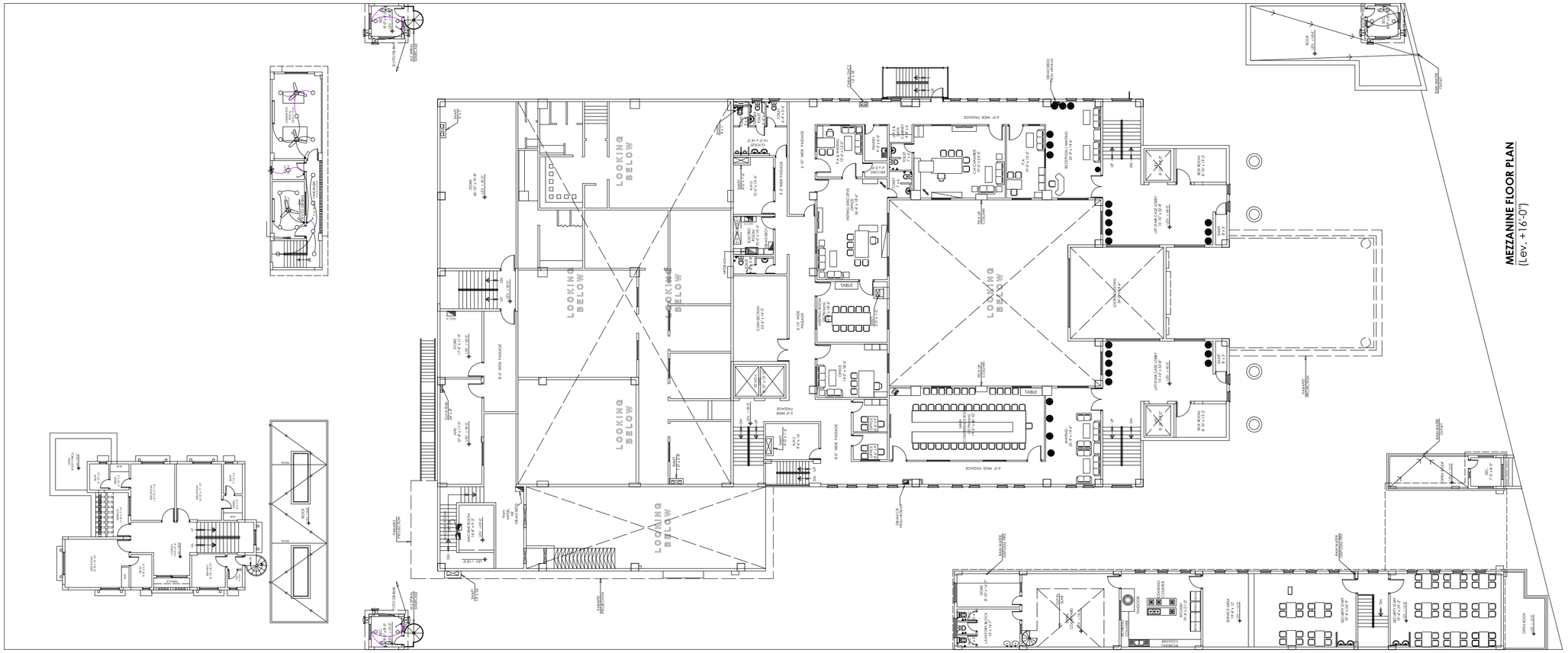
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3-RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND FLOOR FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN	DATE: 02-08-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA / JOB NO. / SBPG-EX EL-07



GROUND FLOOR PLAN
[BPS AREA Lev. +6'-0"] & [BANK AREA Lev. +5'-0"]

TENDER DRAWING

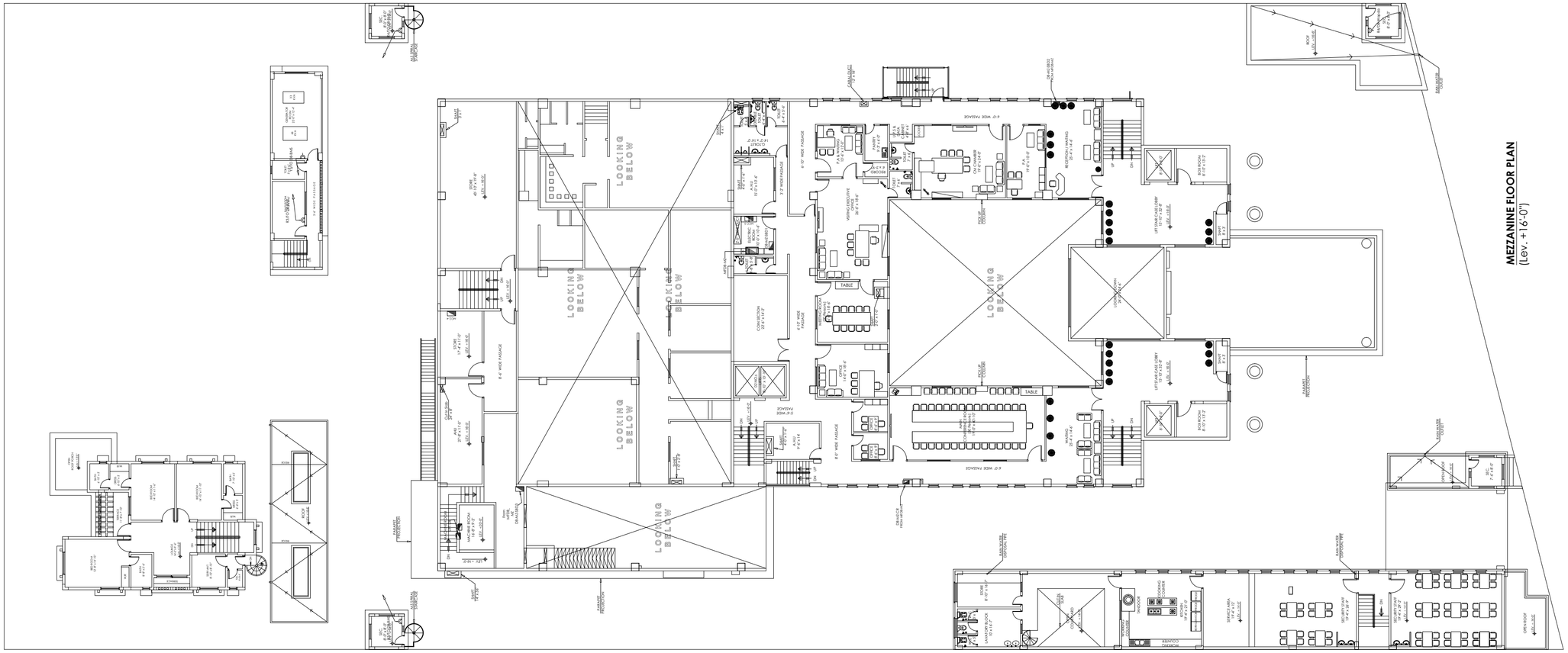
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	Consultant: ESS -I- AAR — PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND FLOOR EARTHING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-EX EL-08



MEZZANINE FLOOR PLAN
(Lev. +16'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	Consultant: PROJECT MANAGEMENT DISTT. ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: MEZZANINE FLOOR LIGHTING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K / CHKD. BY: AA / JOB NO. / SBPG-EX EL-09

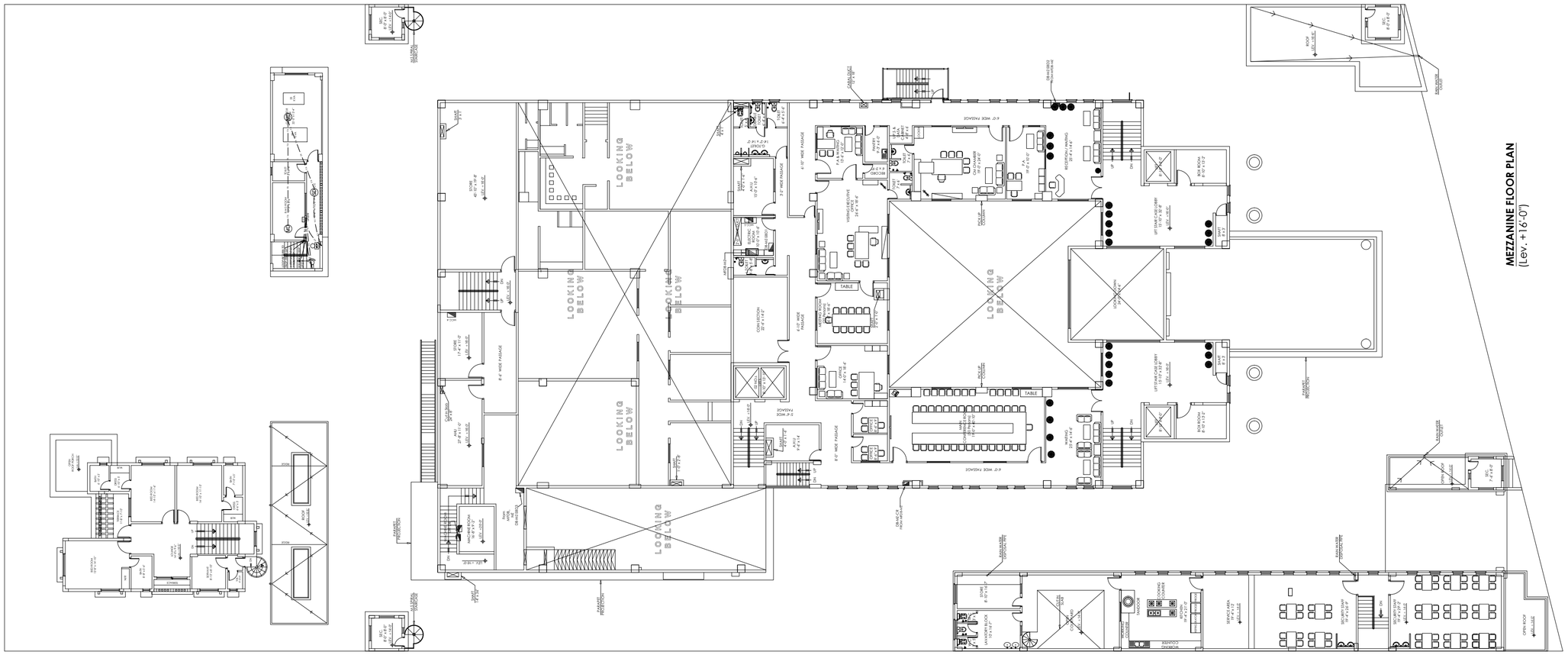


MEZZANINE FLOOR PLAN
(Lev. +16'-0")

TENDER DRAWING

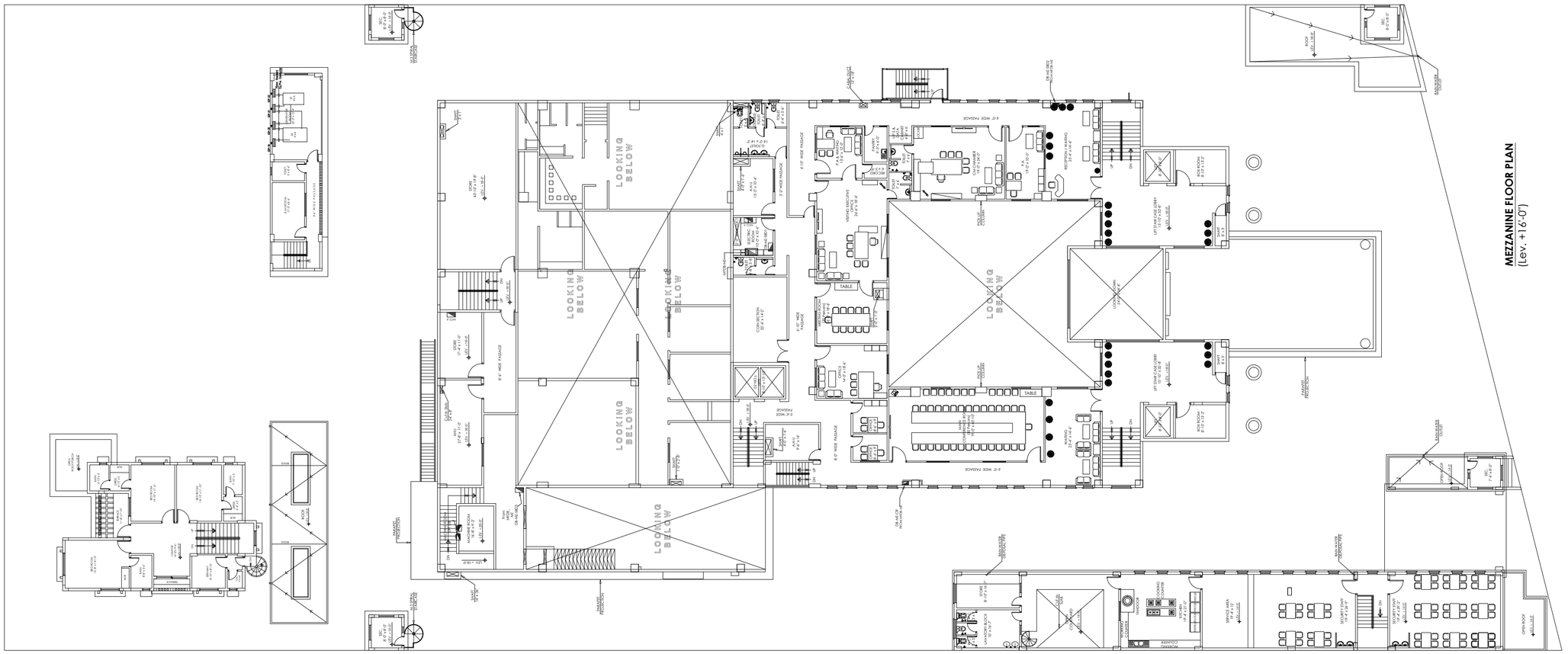
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	Consultant: PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: MEZZANINE FLOOR POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA / JOB NO. / SBPG-EX EL-10

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road Gulshan-e-Iqbal Karachi
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT KARACHI



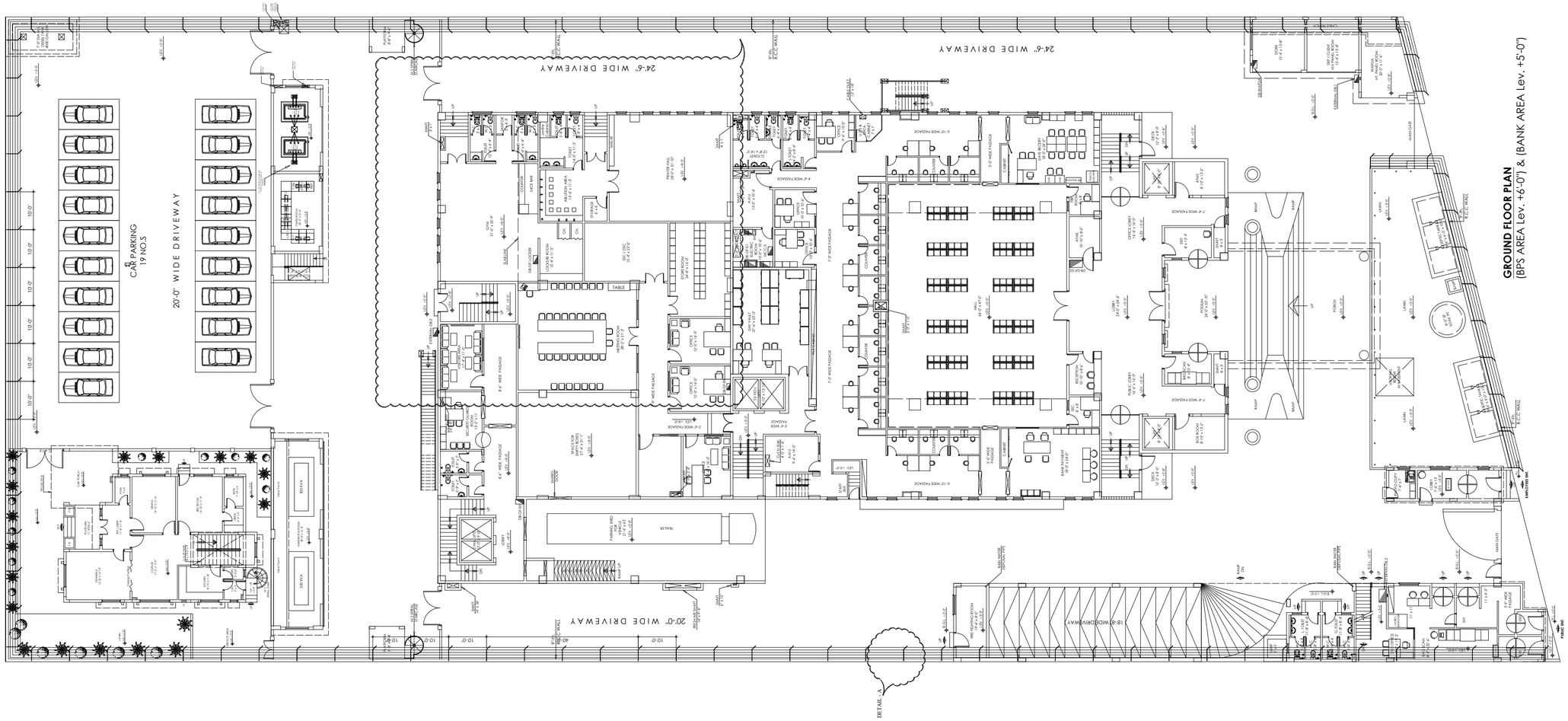
TENDER DRAWING

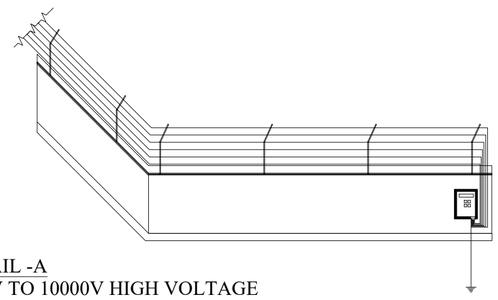
Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	PROJECT MANAGEMENT ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	MEZZANINE FLOOR FIRE ALARM & PUBLIC ADDRESS LAYOUT PLAN	02-08-2021		ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K	CHKD. BY: AA	JOB NO.	SBPG-EX EL-11



TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	MEZZANINE FLOOR EARTHING LAYOUT PLAN	07-06-2021		ELECT.
			Ref. Rev. AS PER REVISED ARCHITECTURE REVISION (01)	SCALE 1/16"=1'-0"	DRAWN S.K	CHKD. BY AA	JOB NO.	SBPG-EX EL-12





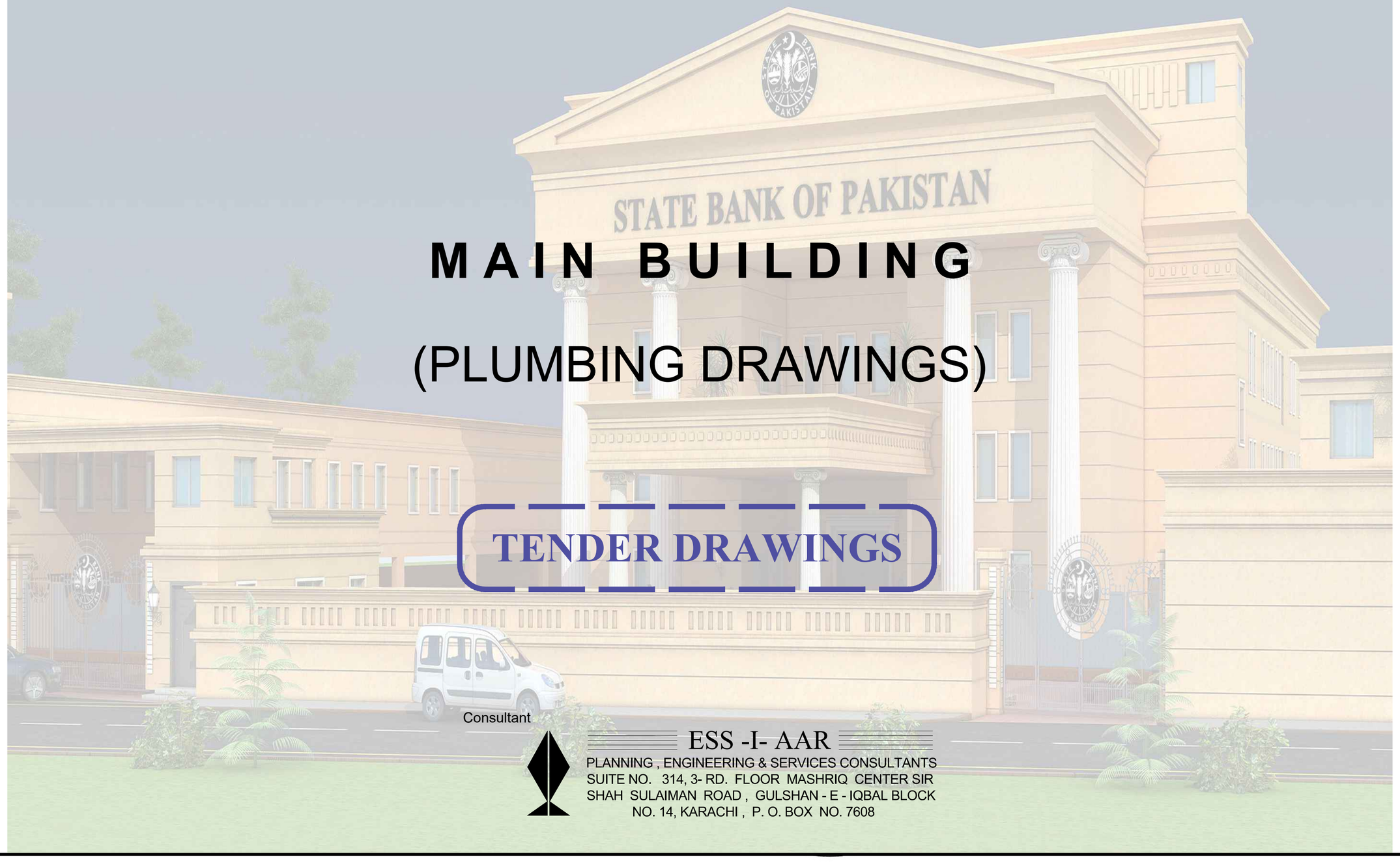
DETAIL -A
5000V TO 10000V HIGH VOLTAGE
OUTPUT ELECTRIC SHOCK FENCE
PERIMETER INTRUDER ALARM
SYSTEM.

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA EXTERNAL AREA	Consultant: ESS -I- AAR PROJECT MANAGEMENT DIVISION. PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO: 14, KARACHI , P. O. BOX NO. 7608	TITLE: ELECTRIC FENCE LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/16"=1'-0"	DRAWN: S.K
			CHKD. BY: AA	JOB NO.	SHEET REF.: SBPG-EX EL-13

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

(PLUMBING DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

GENERAL NOTES

1. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, HVAC, BMS, ELECTRICAL, FIRE, SECURITY AND OTHER DRAWINGS AND DESIGN BASIS REPORT.
2. MAINS WATER FLOW AND PRESSURE TEST TO BE CARRIED OUT TO CONFIRM ADEQUATE INCOMING SUPPLIES ARE AVAILABLE TO SITE.
3. THE DRAWINGS ARE ISSUED FOR PLUMBING WORKS ONLY AND SHALL NOT BE USED FOR ARCHITECTURAL, STRUCTURAL OR OTHER WORK.
4. PLUMBING WORKS REQUIRING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE ELECTRICAL TRADE. ALL SERVICES OPENING REQUIRED TO MAINTAIN FIRE COMPARTMENTS SHALL BE SEALED WITH AN APPROVED FIRE RESISTANT MATERIAL IN AN APPROVED MANNER.
5. ALL MATERIAL SHALL BE IN ACCORDANCE WITH THE TYPE AND MANUFACTURE DESCRIBED IN THE PROJECT WORKMANSHIP AND MATERIAL SPECIFICATION AND SHOWN ON RELEVANT DRAWINGS.
6. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS NOTED OTHERWISE.
7. DO NOT SCALE THIS DRAWING, USE FIGURED DIMENSIONS ONLY
8. WHERE THERE IS CONFLICT BETWEEN DRAWING NOTES AND THE SPECIFICATION, THE NOTES SHALL TAKE PRECEDENCE.
9. ALL DOCUMENTS ISSUED WITH THIS WORK PACKAGE SHALL BE READ IN CONJUNCTION WITH ALL SPECIFICATIONS AND REQUIREMENTS.
10. PIPE WORK CAST INTO CONCRETE SHALL BE SECURELY FIXED BY REINFORCEMENT OR METAL STRAPS ONTO THE MAIN REBAR CAGE, FIXED IN PLACE TO PREVENT MOVEMENT DURING CONCRETING AND TO RESIST UPLIFT PRESSURE FROM WET CONCRETE WITHOUT EXCESSIVE DEFLECTION OR DAMAGE TO THE PIPES. NO SUPPORTING METHOD SHALL ENCROACH ON THE STRUCTURAL WATERPROOFING. WELDING TO REBAR IS PROHIBITED
11. PIPE WORK PENETRATING THROUGH BURIED WALLS SHALL BE INSTALLED IN COMPLIANCE WITH THE STRUCTURAL ENGINEERS DETAILS
12. ALL WET SERVICES WITHIN ELECTRICAL ROOMS TO BE PROVIDED WITH DRIP TRAY UNDER PIPE WORK
13. FINAL POSITION, HEIGHT, SETTING OUT ETC OF PIPE SUPPORTS ARE TO BE CONFIRMED BEFORE WORK START.
14. WHERE SHOWN EQUIPMENT PLINTHS AND SUPPORTS ARE INDICATIVE TO BE CONFIRMED AND COORDINATED WITH FINAL EQUIPMENT SELECTIONS
15. ALL PIPE SIZING SHOWN ARE INTERNAL DIA
16. ALL WATER AND SEWERAGE LINES WILL BE TESTED AS PER GIVEN CHART FOR 3 HOURS
17. WATER WILL BE HELD IN SEWERAGE LINES FOR AT LEAST 24 HOURS TO CHECK FOR LEAKAGE
18. DISINFECT ALL WATER LINES
19. VENT PIPE ON GROUND FLOOR ARE UP TO THE SILL LEVEL
20. ALL INVERT LEVELS ARE MARKED ON DRAWING. IN CASE OF CONFLICT OR MISSING INFORMATION THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY.
21. RODDING EYES WILL BE INCORPORATED IN EXTERNAL SEWERAGE PIPES, WHERE EVER NECESSARY FOR MAINTENANCE WITH EASY ACCESS.
22. HEIGHT OF VERTICAL PIPE WILL VARY DEPENDANT ON PROPOSED INVERT LEVELS.
23. MANHOLE SUMP COVER AND FRAME TO BE RECESSED TO ALLOW FOR THE INCLUSION OF FLOOR FINISHES.
24. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISHES.
25. WATER QUALITY MONITORING POINTS SHALL BE PROVIDED AT REMOTE ENDS OF THE DISTRIBUTION NETWORKS AND WHERE PUBLIC WATER USE OCCURS.
26. MINIMUM CONCRETE CYLINDER STRENGTH FOR MANHOLES, GULLY TRAPS, INSPECTION CHAMBERS, EXTERNAL SUMPS ETC IS 3000 PSI
27. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI
28. CONTRACTOR TO SUPPLY, FOR COMMENT BY THE CONSULTANT, SHOP DRAWINGS, SETTING OUT DRAWINGS AND SAMPLES TO FULLY ILLUSTRATE METHODS OF CONSTRUCTION OF ALL SPECIALIST MILLWORK, DESIGN PORTION AND SUB-CONTRACTOR ELEMENTS OF CONSTRUCTION
29. CONTRACTORS ARE TO ENSURE THAT ALL WORKS UNDER THEIR RESPONSIBILITY OR THE RESPONSIBILITY OF THEIR SUB-CONTRACTORS ARE CONSTRUCTED IN ACCORDANCE WITH LOCAL STATUTORY AUTHORITY REQUIREMENTS, LOCAL BUILDING CONTROL REQUIREMENTS AND ALL RELEVANT CODES OF PRACTICE AND AS APPROVED BY THE ENGINEER
30. FOR THE STRUCTURAL ELEMENTS REFER TO STRUCTURAL DRAWINGS
31. FOR LIGHTING FIXTURES & ELECTRICAL EQUIPMENTS REFER TO ELECTRICAL DRAWINGS & SPECIFICATIONS
32. FOR SANITARY WARE TYPES REFER TO PLUMPING BOQ & SPECIFICATIONS
33. ALL BRANDS, SUPPLIERS, MANUFACTURES SHALL BE APPROVED BY THE EMPLOYER FIRST.

SCHEDULE OF PIPES

SYSTEM	POSITION	LOCATION	SIZE	TYPE	FITTINGS	SCHEDULE OR CLASS	JOINT	MIN. FIELD PRESS. TEST AFTER ASSEMBLY
KITCHEN WASTE	HORIZONTAL	FROM FLOOR TRAP	AS SHOWN IN PLANS	UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	7 METER OF WATER HEAD
	HORIZONTAL	FROM M. FLOOR TRAP/ BOSS CONNECTOR		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	7 METER OF WATER HEAD
	VERTICAL	BALCONY / TERRACE / OPEN / EXTERNAL		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	7 METER OF WATER HEAD
BATH WASTE	HORIZONTAL	FROM FLOOR TRAP		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	7 METER OF WATER HEAD
	HORIZONTAL	FROM M. FLOOR TRAP/ BOSS CONNECTOR		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	7 METER OF WATER HEAD
	VERTICAL	BALCONY / TERRACE / OPEN / EXTERNAL		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	7 METER OF WATER HEAD
SANITARY SOIL	HORIZONTAL	FROM W. CLOSET		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	7 METER OF WATER HEAD
	VERTICAL	BALCONY / TERRACE / OPEN / EXTERNAL		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	7 METER OF WATER HEAD
VENTILATION	VERTICAL	KITCHEN WASTE		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	4 METER OF WATER HEAD
	VERTICAL	BATH WASTE		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	4 METER OF WATER HEAD
	VERTICAL	WC SOIL		UPVC	UPVC	CLASS 'D'	SOLVENT/ SOLUTION	4 METER OF WATER HEAD
WATER SUPPLY	ALL	EXTERNAL / BALCONY / TERRACE		G.I	G.I	SCH 80	FUSSION JOINTING	125 P.S.I
COLD WATER	ALL	IN FLOOR & WALL		G.I	G.I	SCH 80	FUSSION JOINTING	100 P.S.I
HOT WATER	ALL	IN FLOOR & WALL		G.I	G.I	SCH 80	FUSSION JOINTING	100 P.S.I
RISER TO FILL O.H.W.TANK	ALL	OPEN / EXTERNAL		G.I	G.I	SCH 40	SOLVENT/ SOLUTION	125PSI
OVER FLOW PIPE FROM O.H.W.TANK	ALL	OPEN / EXTERNAL		G.I	G.I	SCH 40	SOLVENT/ SOLUTION	4 METER OF WATER HEAD

CONVERSION CHART

BRITISH STANDARD SIZE IN INCHES	EQUIVALENT SIZE IN MILLIMETER
½ INCH	12 mmØ
3/4 INCH	20 mmØ
1 INCH	25 mmØ
1¼ INCH	32 mmØ
1½ INCH	40 mmØ
2 INCH	50 mmØ
2½ INCH	63 mmØ
3 INCH	75 mmØ
4 INCH	90 mmØ
5 INCH	100 mmØ
6 INCH	130 mmØ
8 INCH	150mmØ
10 INCH	200 mmØ
12 INCH	250 mmØ
15 INCH	300 mmØ

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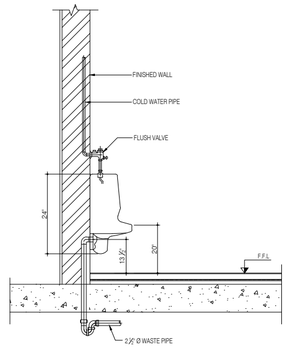
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

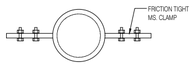
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT BSC HOK

TENDER DRAWING

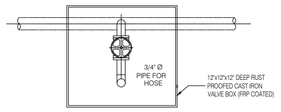
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GENERAL NOTES	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**P-00**



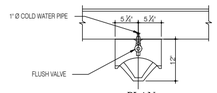
DETAIL OF WALL HUNG URINAL



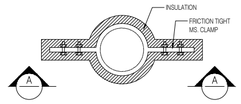
UNINSULATED PIPING PLAN



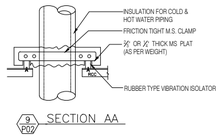
5A/P02 PLAN P02.01



PLAN

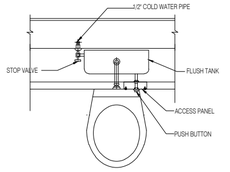


INSULATED PIPING

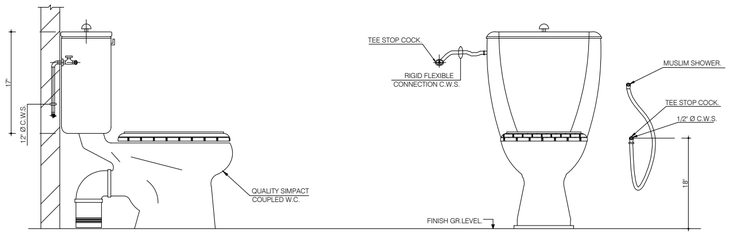


9/P02 SECTION AA

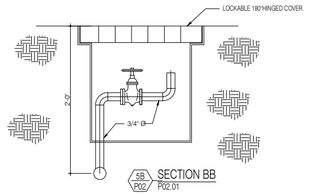
DETAIL OF PIPE SUPPORT IN SHAFT



PLAN

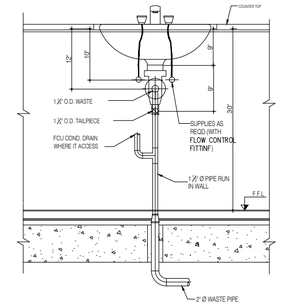


WESTERN WATER CLOSET DETAIL

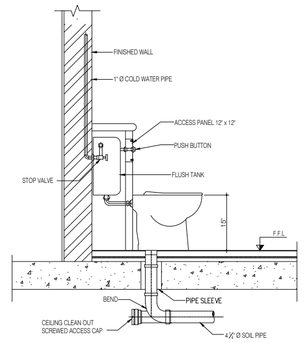


5B/P02 SECTION BB P02.01

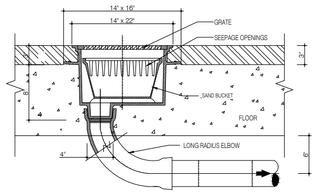
DETAIL OF VALVE BOX



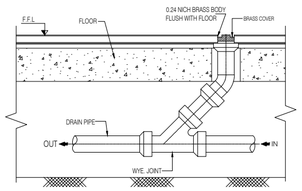
DETAIL OF LAVATORY CONNECTION



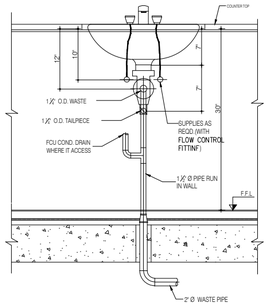
DETAIL OF WATER CLOSET CONNECTION



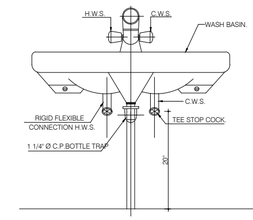
DETAIL OF STANDARD GULLY TRAP



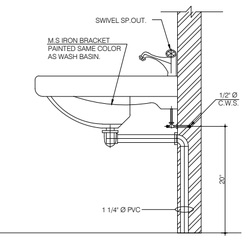
DETAIL OF FLOOR CLEAN OUT PLUG (FCO)

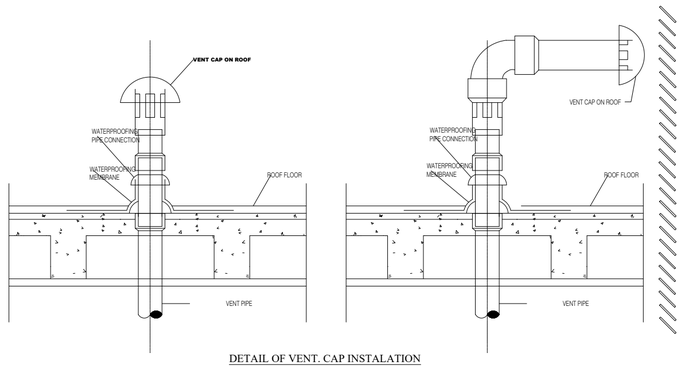


DETAIL OF LAVATORY CONNECTION

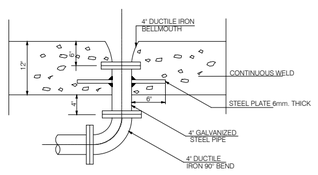


WASH BASIN DETAIL

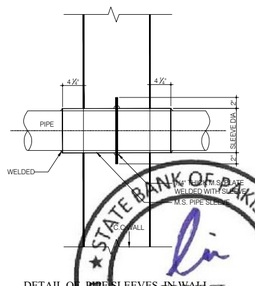




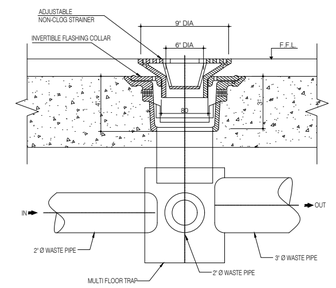
DETAIL OF VENT. CAP INSTALATION



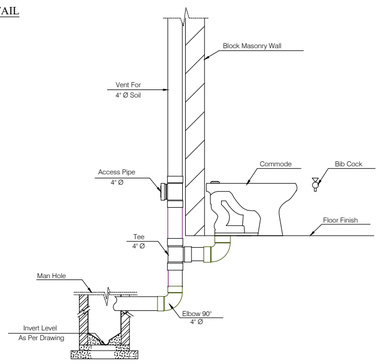
CONCRETE WATER TANK DRAIN DETAIL



DETAIL OF PIPE SLEEVES IN WALL



STRAINER & BUCKET TOILES FLOOR DRAIN



GENERAL DETAIL OF COMMODE AND WASHBASIN

TENDER DRAWING

ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
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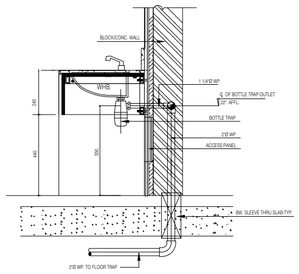
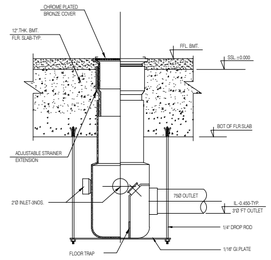
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ARCHITECTS ENGINEERS

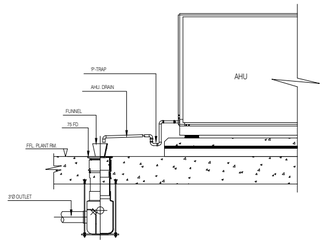
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: TYPICAL PLUMBING DETAILS	DATE: 16-11-2020 (REV / DATE)	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**P-D-01**



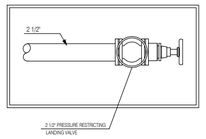
SINK INSTALLATION DETAIL (BOTTLE TRAP)
NTS
DETAIL - 3



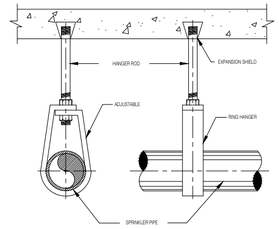
DETAIL OF FLOOR DRAIN (TYPE 75 FD)
NTS
DETAIL - 4



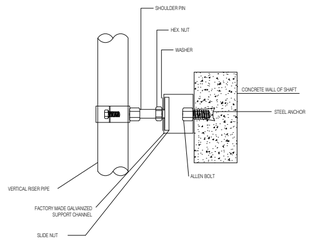
DETAIL OF A.H.U DRAIN
NTS
DETAIL - 5

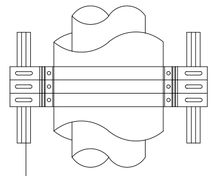


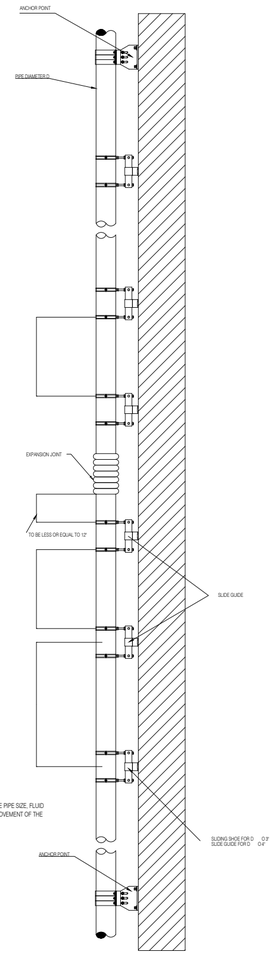
RECESSED LANDING VALVE CABINET DETAIL
NTS
DETAIL - 2



PIPE HANGERS
NTS
DETAIL - 3



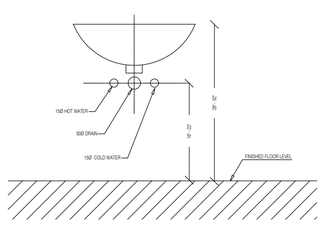




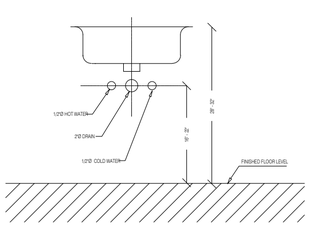
NOTE:

NUMBER OF EXPANSION JOINTS TO BE ACCORDING TO THE PIPE SIZE, FLUID TEMPERATURE VARIATION, AND THE ACCEPTABLE AXIAL MOVEMENT OF THE EXPANSION JOINT.

TYPICAL INSTALLATION FOR HANGER & SUPPORTS OF VERTICAL PIPES IN SHAFTS
NTS
DETAIL - 7

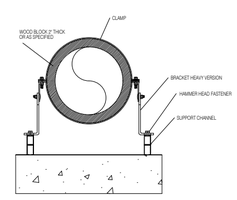


TYPICAL PLUMBING CONNECTION OF LAVATORY
NTS
DETAIL - 8

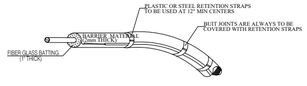


TYPICAL PLUMBING CONNECTION OF SINK
NTS
DETAIL - 9

DETAIL FOR PIPE CLAMP WITH ANTI-VIBRATION RUBBER
NTS
DETAIL - 5



TYPICAL DETAIL FOR ANCHOR BASE OF VERTICAL PIPE LARGER THAN 2"
NTS
DETAIL - 6



ACOUSTIC LAGGING OF DRAINAGE PIPING:

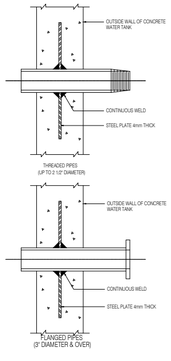
ALL HORIZONTAL UPVC SOIL, WASTE, AND RAIN WATER PIPES EXCEPT THOSE AT HIGH LEVEL OF PLANT ROOMS/CAR PARKING AREAS SHALL BE PROVIDED WITH ACOUSTIC LAGGING AS DETAILED BELOW:
THE BARRIER SHALL BE CONSTRUCTED OF A 2mm THICK BARIUM SULPHATE LOADED LIMP VINYL SHEET BONDED TO A THIN LAYER OF REINFORCED AGAINST ALONG ONE SIDE.
THE BARRIER SHALL HAVE A NORMAL DENSITY OF 4.8Kg/m² AND SHALL HAVE A MINIMUM STC RATING OF 28.
THE BARRIER SHALL EXHIBIT MINIMUM FLAMMABILITY RATING OF 0.0 SECONDS FOR FLAME OUT AND AFTERGLOW AND 0.2 INCHES FOR CHAR LENGTH WHEN TESTED IN ACCORDANCE WITH FEDERAL TEST STD.NO.191-5903.
THE BARRIER SHALL HAVE A MINIMU THERMAL CONDUCTIVITY "K" VALUE OF 0.29 AND A RATED SERVICE TEMPERATURE RANGE OF 40°F (-40°C) TO 220°F (105°C). WHEN TESTED FOR SURFACE BUNING CHARACTERISTICS PER ASTM E84, THE BARRIER WILL HAVE A FLAME SPREAD INDEX OF NO MARE THAN 10 AND A SMOKE DEVELOPMENT INDEX OF NO MORE THAN 40.

SOUND TRANSMISSION LOSS CHARACHTERISTIES FOR BARRIER SHALL BE AS FOLLOWS:
TESTED AS A FREE HANGING BARRIER (ASTM E-90-90)

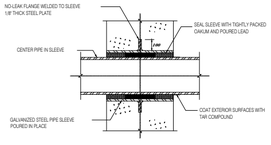
	FREQENCY Jhz						
PRODUCT	125	250	500	1000	2000	4000	STC
KNM 100 ALQ-1	13	16	24	33	43	49	28

BARRIER SHALL BE TYPE KNM100 ALQ-1 BY "KINETICS NOISE CONTROL INC" OR EQUAL APPROVED.
THE DECOUPLING LAYER SHALL BE 1" THICK FIBER GLASS BATTING, NON WOVEN POROUS SCRIM-COATED GLASS CLOTH, QUILTED TOGETHER IN A MATRIX OF 4" DIMOND STITCH PATTERN WHICH ENCASULATES THE GLASS FIBERS.
THE COMPOSITE MATERIAL SHALL BE FABRICATED TO INCLUDE A NORMAL 4" WIDE BARRIER OVERLAP TAB EXTENDING BEYOND THE QUILTED FIBER GLASS TO FACILITATE A LEAK-TIGHT SEAL FILED JOINTS.
THE DECOUPLING LAYER SHALL BE TYPE BY "KINETICS NOISE CONTROL INC," OR EQUAL APPROVED.

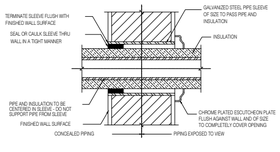
ACOUSTIC LAGGING OF DRAINAGE PIPE
NTS
DETAIL - 11



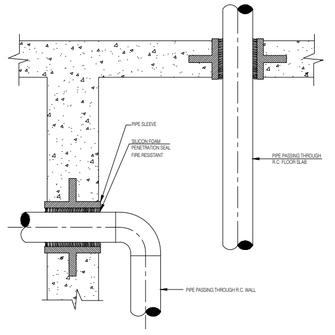
PIPE THROUGH CONCRETE WATER TANK DETAIL
NTS
DETAIL - 7



PIPE SLEEVE THROUGH EXTERIOR WALL
NTS
DETAIL - 6



PIPE SLEEVE THROUGH INTERIOR WALL
NTS
DETAIL - 6



NOTE:

1- PIPES PASSING THRU BEAMS ARE NOT REQUIRED TO HAVE SILICON FOAM PENETRATION SEAL.

2- R.C. : REINFORCED CONCRETE.

3- MINIMUM CLEARANCE ON ALL SIDES SHALL BE NOT LESS THAN 1in. (25.4mm) FOR 1in. (25.4mm) TO 3in. (76mm) PIPES, AND 2in. (51mm) FOR 4in. (100mm) PIPES AND LARGER.

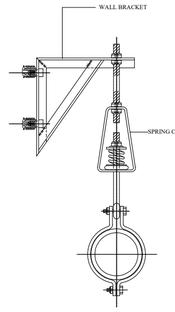
PIPE SLEEVE
NTS
DETAIL - 11

TENDER DRAWING

ESS,I,AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION

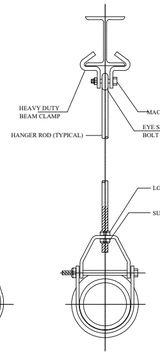
Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING - ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TYPICAL PLUMBING DETAILS	16-11-2020		PLUM.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR	JOB NO.	P-D-02



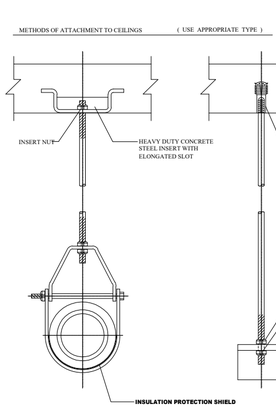
PIPE CLAMP HANGER

BAND HANGER

BOLTED BAND HANGER

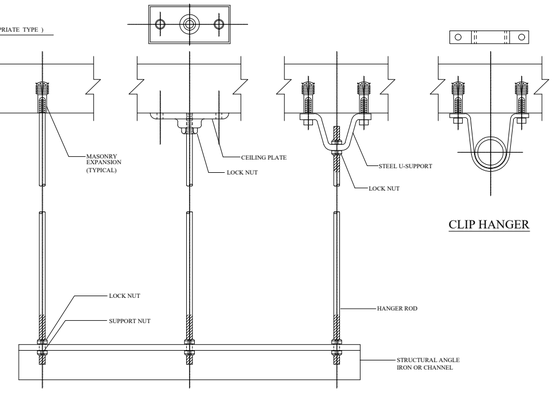


CLEVIS HANGER



CLEVIS HANGER

PIPE HANGERS
NTS
DETAIL - 1



TRAPEZE HANGER
(FOR MULTIPE HORIZONTAL RUNS)

CLIP HANGER

1. PIPE HANGERS AND SUPPORTS SHOWN ON THIS DRAWING ARE GENERALLY ACCEPTABLE TYPES AND GIVE SIZES OF COMPONENTS AND GENERAL CONSTRUCTION DETAILS.
2. THE GENERAL DETAILS OF HANGERS AND SUPPORTS SHOWN DO NOT NECESSARILY MEAN THAT ALL THE COMPONENTS SHOWN IN CONNECTION WITH THE DIFFERENT TYPES ARE LIMITED ONLY FOR USE WITH THAT PARTICULAR TYPE, ANY COMBINATION OF COMPONENTS SHOWN SHALL BE SELECTED TO SUIT THE APPLICATION AND SITE CONDITIONS.
3. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PROPOSED PIPE HANGERS AND SUPPORTS TO THE ENGINEER FOR HIS APPROVAL IN AMPLE ADVANCE TIME AS PER THE PROVISIONS OF THE SPECIFICATION.
4. HANGERS AND SUPPORTS SHALL BE FABRICATED FROM STANDARD STRUCTURAL STEEL MEMBERS AND SHALL BE OF ADQUATE DIMENSIONS TO SUIT THE PIPE SIZE AND FOR INSULATED PIPES TO PASS THE PIPE AND ITS INSULATION AND COVERING THROUGH.
5. HANGERS RODS AND EYE BOLTS SHALL BE OF HOT-ROLLED STEEL WITH CUT THREADS CONFORMING TO AMERICAN COARSE THREAD, CLASS 2 A FIT, OR TO ANY OTHER APPROVED STANDARD. RODS AND EYE BOLTS SHALL BE THREADED FOR A MINIMUM LENGTH OF 150mm TO ALLOW VERTICAL ADJUSTMENT OF ± 7mm.
6. TWO THREADED NUTS SHALL BE PROVIDED ON HANGER RODS, EYE BOLTS AND U-BOLTS: ONE FOR SUPPORT AND ONE FOR LOCKING.
7. HANGER RODS AND EYE BOLTS FOR INDIVIDUALLY SUPPORTED HORIZONTAL PIPES SHALL BE OF MINIMUM SIZE AS GIVEN IN THE FOLLOWING TABLE :

PIPE SIZE	MINIMUM ROD DIAMETER
1/2" TO 2"	3/8"
2 1/2" & 3"	1/2"
4" & 5"	5/8"
6"	3/4"
8" TO 12"	7/8"

FOR TRAPEZE HANGERS, THE MINIMUM SIZE OF EACH ROD SHALL BE THE MINIMUM ROD SIZE FOR THE LARGEST PIPE ON THE TRAPEZE AS GIVEN IN THE TABLE ABOVE.

8. HANGER RODS SKALL BE OF TOTAL LENGTH TO LIMIT MOVEMENT DUE TO PIPE EXPANSION AND CONTRACTION TO AN ANGLE OF 4 DEGREES FROM THE VERTICAL.
9. PIPE HANGERS, BANDS, STRAPS, CLIPS, CLAMP (EXCEPT RISER CLAMPS AND PIPE SADDLES) ETC. SHALL BE FABRICATED FROM STEEL FLAT BARS OF MINIMUM DIMENSIONS AS GIVEN IN THE FOLLOWING TABLE :

PIPE SIZE	MINIMUM SIZE OF FLAT BAR
1/2" TO 2"	30 x 1/8"
2 1/2" & 4"	40 x 3/16"
5" & 6"	50 x 1/4"
8" TO 10"	50 x 3/8"
12"	50 x 1/2"

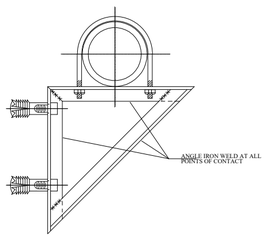
10. RISER CLAMPS AND PIPE SADDLES SHALL BE OF FLAT BAR OF MINIMUM DIMENSIONS AS GIVEN IN THE FOLLOWING TABLE :

PIPE SIZE	MINIMUM SIZE OF FLAT BAR
1/2" TO 2"	30 x 3/16"
2 1/2" & 4"	40 x 1/4"
5"	50 x 1/4"
6" TO 10"	50 x 3/8"
12"	50 x 1/2"

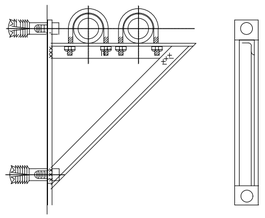
11. ALL MACHINE BOLTS USED SHALL BE OF MILD STEEL WITH HEAVY HEXAGONAL HEAD AND WITH CUT THREADS CONFORMING TO AMERICAN COARSE THREAD, CLASS 2 A FIT, OR TO ANY OTHER APPROVED STANDARD. MACHINE BOLTS SHALL BE OF ADEQUATE OVERALL LENGTH TO SUIT THE APPLICATION AND OF THREADED LENGTH TO PERMIT THE NUT TO UTILIZE THE FULL LENGTH OF THE THREAD.
12. THE MINIMUM DIAMETER OF MACHINE BOLTS SHALL BE AS GIVEN IN THE FOLLOWING TABLE :

PIPE SIZE	MINIMUM SIZE OF FLAT BAR
1/2" TO 1"	1/4"
1 1/4" TO 2"	3/8"
2 1/2" TO 8"	1/2"
10" & 12"	5/8"

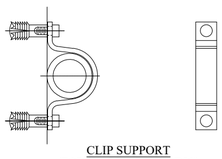
13. ALL NUTS SHALL BE COLD PUNCHED, SEMI-FINISHED, HEAVY, HEXAGONAL, MILD STEEL WITH COARSE THREAD, CLASS 2 B FIT, TO MATCH THE THREAD ON THE ROD OR BOLT.
14. THE MAXIMUM SPACING OF PIPE HANGERS AND SUPPORTS SHALL BE AS SET OUT IN THE SPECIFICATION FOR THE PIPE MATERIAL, CONCENTRATED LOADS, CHANGES IN DIRECTION AND



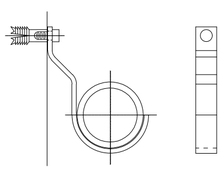
WALL BRACKET



WALL BRACKET

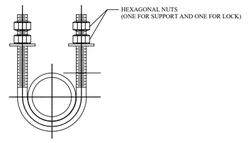


CLIP SUPPORT
(FOR WALL OR CEILING)



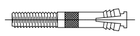
WALL SUPPORTS

WALL SUPPORTS
NTS
DETAIL - 2



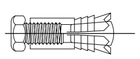
NOMINAL PIPE SIZE	ROD SIZE INCHES	ROD SIZE MM	A mm	B mm	C mm	D mm	E mm
1"	3/8"	10	20	57	45	70	52
1 1/4"	3/8"	10	22	64	53	73	52
1 1/2"	3/8"	10	25	64	61	77	52
2"	3/8"	10	32	70	72	83	52
2 1/2"	1/2"	12	40	76	88	96	58
3"	1/2"	12	45	76	104	102	58
4"	1/2"	12	60	76	129	115	58
5"	1/2"	12	70	76	165	127	58
6"	5/8"	15	90	95	188	156	71
8"	3/4"	20	120	95	238	181	71

U-BOLT
NTS
DETAIL - 3



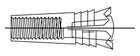
STUD BOLT TYPE

BOLT SIZE	THREAD DEPTH	DEPTH IN CONCRETE
6 mm	9 mm	28 mm
8 mm	12 mm	33 mm
10 mm	14 mm	39 mm
12 mm	20 mm	52 mm
16 mm	24 mm	63 mm
20 mm	31 mm	83 mm



SELF DRILLING
MACHINE BOLT TYPE

THREADED ROD SIZE	THREAD DEPTH
1/4"	27/32"
3/8"	15/16"
1/2"	1 1/4"
5/8"	1 17/32"
3/4"	1 15/16"

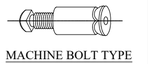


SELF DRILLING
ROD HANGER TYPE

MANSONARY EXPANSION BOLT
SIMILAR TO PHILIPS DRILL CO. NTS
DETAIL - 4

LAG SCREW TYPE
SIMILAR TO STAR EXPANSION BOLT CO. (USA)

SCREW DIAMETER	LENGTH OF ANCHOR
1/4"	1"
3/8"	1 3/4"
1/2"	3"
3/4"	3 1/2"

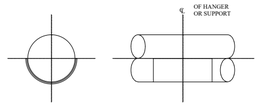


MACHINE BOLT TYPE
SIMILAR TO STAR EXPANSION BOLT CO. (USA)

MACHINE BOLT SIZE	HOLE DIAMETER
1/4"	1/2"
3/8"	3/4"
1/2"	7/8"
5/8"	1"
3/4"	1 1/4"

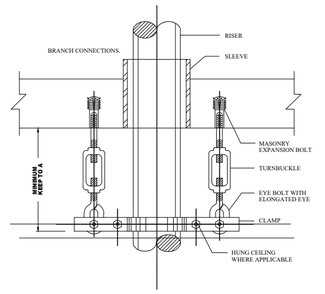
MANSONARY EXPANSION BOLT (CONT.)
SIMILAR TO PHILIPS DRILL CO. NTS
DETAIL - 5

EYE BOLT
NTS
DETAIL - 6

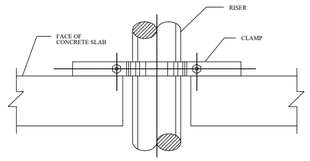


NOMINAL PIPE ZISE	LENGTH 'L' OF SHIELD	SHIELD THICKNESS	
		GAUGE	mm
1/2" - 3"	300 mm	18	1.3
4"	300 mm	16	1.6
5"	400 mm	16	1.6
6"	450 mm	16	1.6
8"	600 mm	14	2.0

INSTALLATION PROTECTION SHIELD
NTS
DETAIL - 7

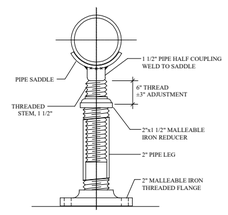


HUNG ARRANGEMENT

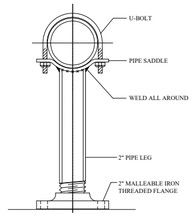


FLOOR SUPPORT ARRANGEMENT

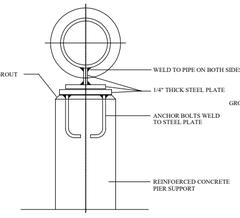
RISER CLAMP FOR VERTICAL PIPES



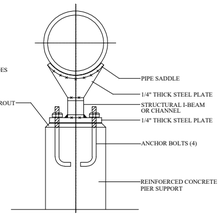
ADJUSTABLE PIPE
SADDLE SUPPORT



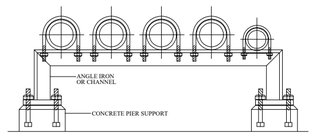
PIPE STANCHION
SADDLE SUPPORT



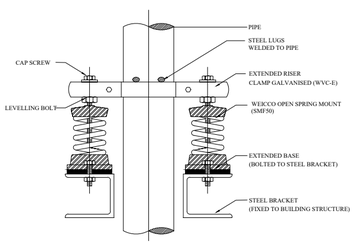
PIPE SLIDING SUPPORT



PIPE SADDLE SUPPORT



MULTIPLE PIPE SUPPORT



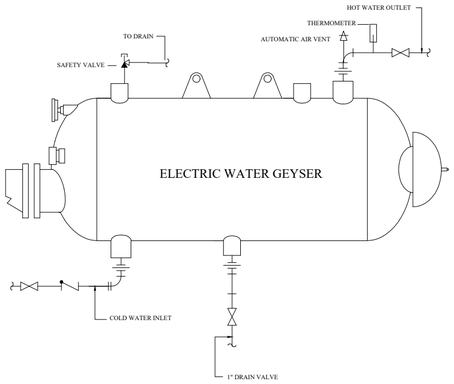
INSTALLATION OF RISER PIPE ON RISER CLAMP & SPRING MOUNT
NTS
DETAIL - 9

TYPICAL PLUMBING CONNECTION OF LAVATORY
NTS
DETAIL - 8

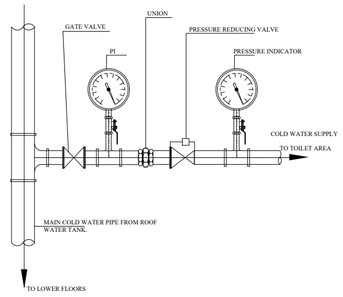
TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING - ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TYPICAL PLUMBING DETAILS	16-11-2020		PLUM.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR / JOB NO.	P-D-03

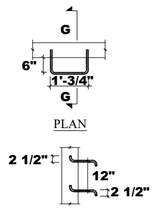
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
ESS,I,AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Block-14
Karachi
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING



ELECTRIC WATER GEYSER PIPING

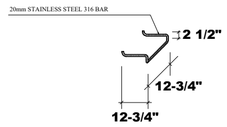


TYPICAL COLD WATER TANK BRANCHING WITH PRV DETAIL



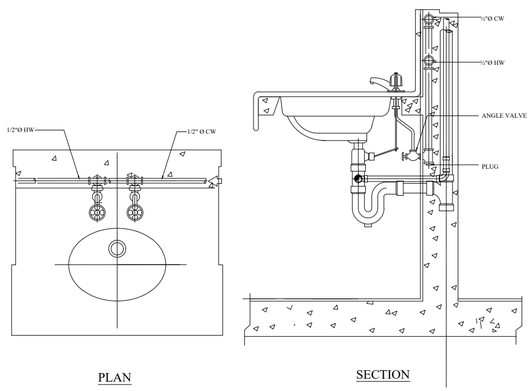
PLAN

SECTION G-G



ELEVATION

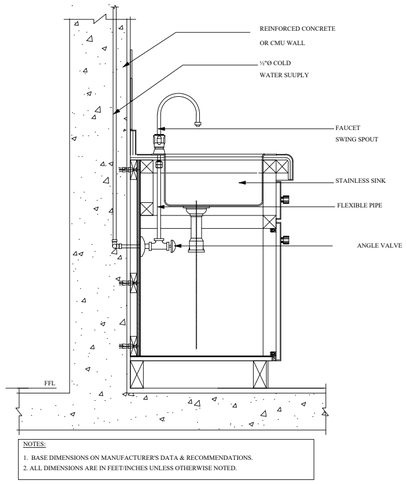
MONKEY LADDER STEPS DETAIL FOR WATER TANK



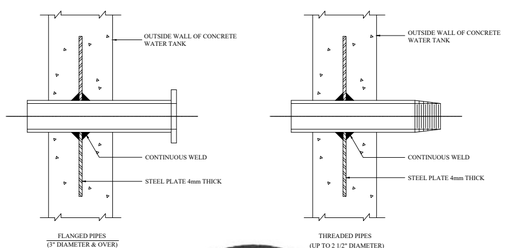
PLAN

SECTION

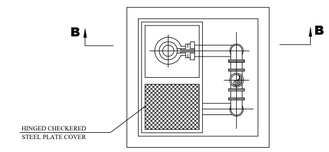
GENERAL PIPING ARRANGEMENT FOR WASH BASIN (UNDER COUNTER)



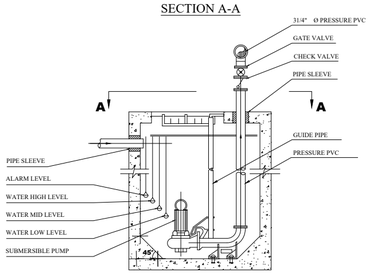
GENERAL PIPING ARRANGEMENT FOR KITCHEN SINK



PIPE THROUGH CONCRETE WATER TANK DETAIL



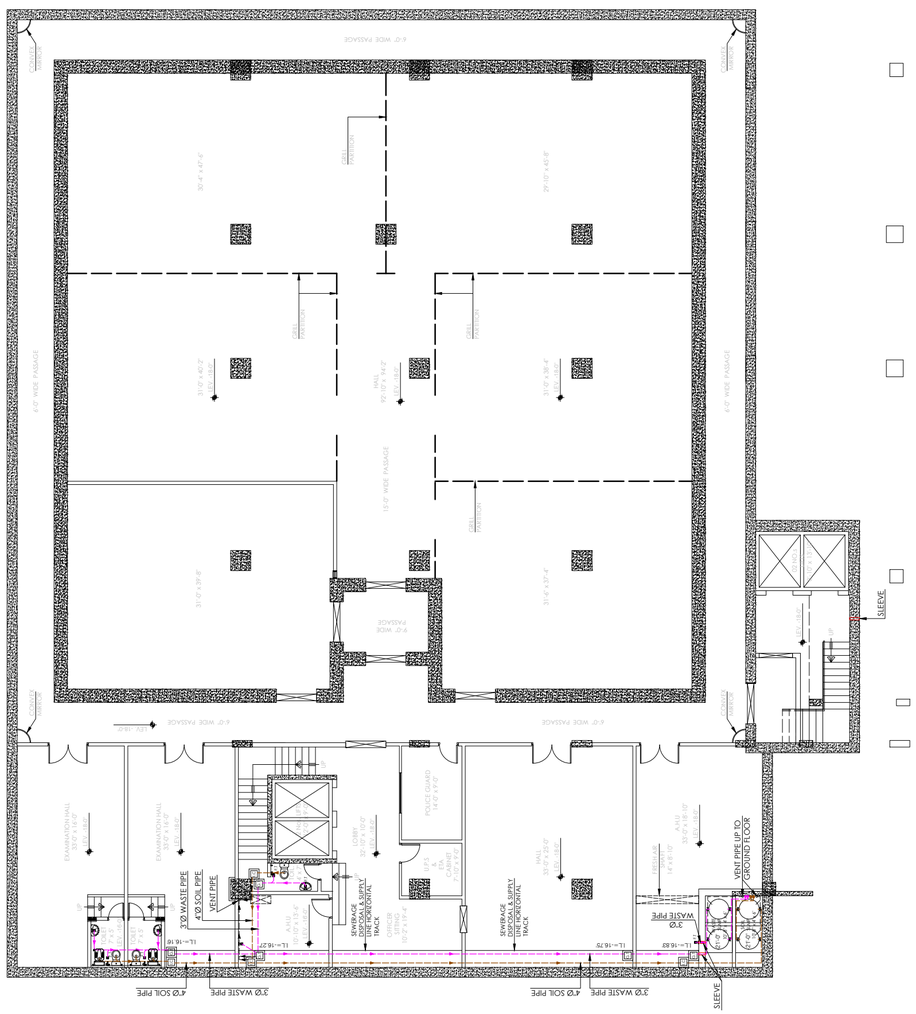
SECTION A-A

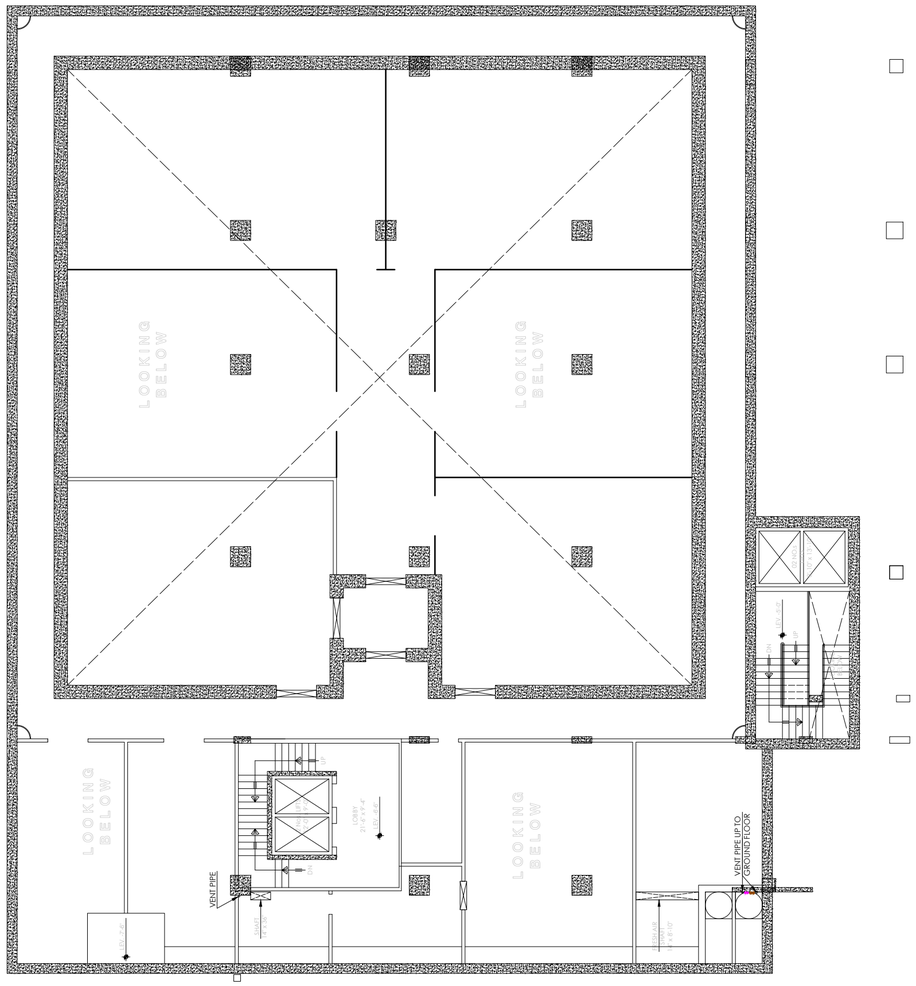


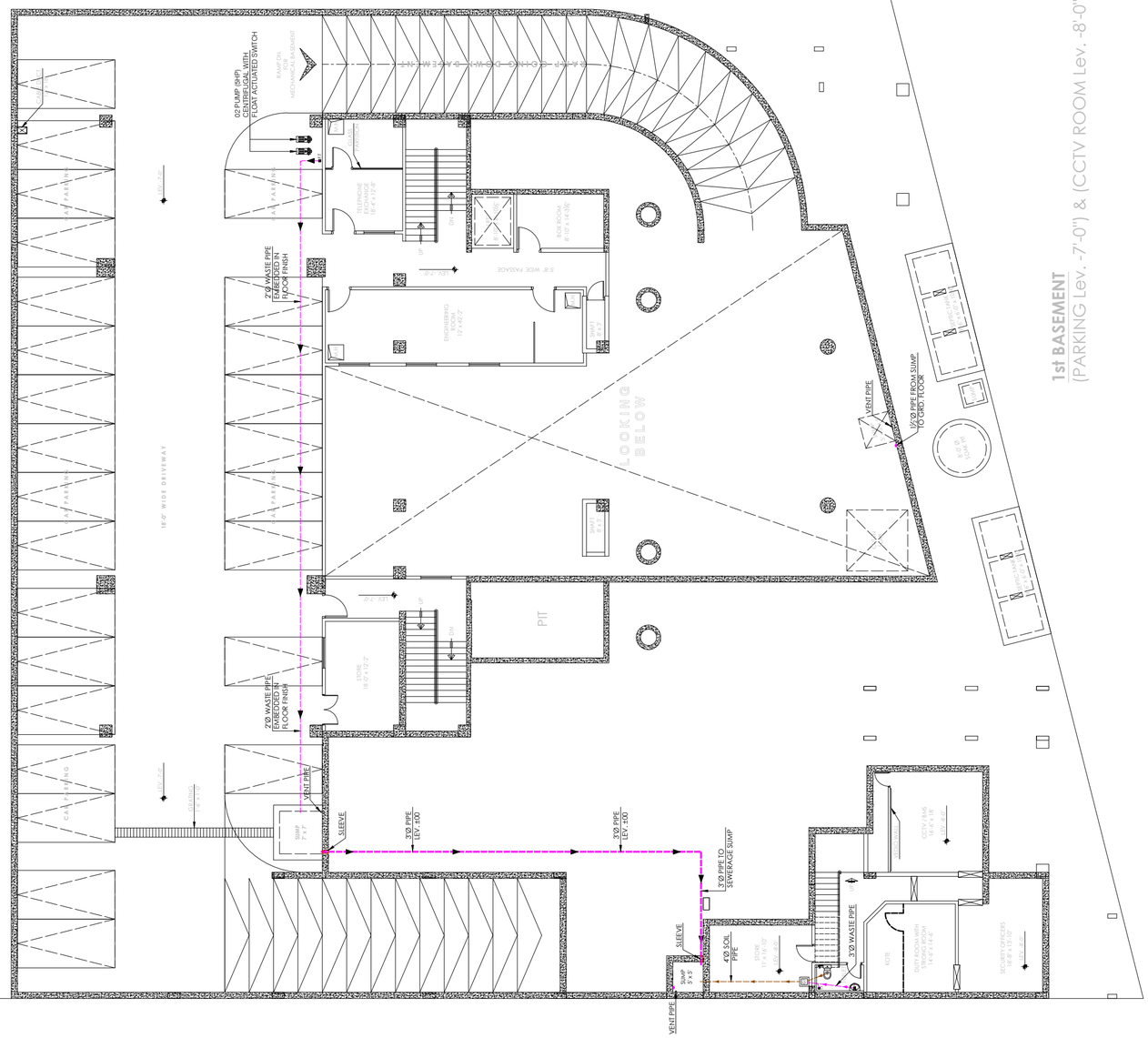
SUBMERSIBLE PUMP & SUMP DETAILS

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: TYPICAL PLUMBING DETAILS	DATE: 16-11-2020 (DD/MM/YY)	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **P-D-04**


6'-0" WIDE PASSAGE
OPEN PARKING
30'-4" x 47'-6"
29'-10" x 45'-8"
31'-0" x 40'-2"
HALL
92'-3" x 94'-2"
31'-0" x 38'-4"
15'-0" WIDE PASSAGE
31'-0" x 39'-8"
31'-6" x 39'-4"
9'-0" WIDE PASSAGE
CONDUCT PARKING
LIFT
STAIRS
EXAMINATION HALL
33'-0" x 12'-0"
EXAMINATION HALL
33'-0" x 12'-0"
LOBBY
POLICE GUARD
14'-0" x 9'-0"
HALL
33'-0" x 9'-0"
A.H.U
20'-0" x 9'-0"
VESTIBULE
4'-6" x 9'-0"
A.H.U
20'-0" x 9'-0"
AIR SPRING
20'-0" x 9'-0"
EP's
EL. CABINET
4'-0" x 2'-0"
SEWERAGE DISPOSAL & SUPPLY LINE HORIZONTAL RACK
SEWERAGE DISPOSAL & SUPPLY LINE HORIZONTAL RACK
4"Ø WASTE PIPE
3"Ø SOIL PIPE
VENT PIPE
4"Ø SOIL PIPE
3"Ø WASTE PIPE
VENT PIPE UP TO GROUND FLOOR
3"Ø WASTE PIPE
4"Ø SOIL PIPE
3"Ø WASTE PIPE
SLEEVE
LIFT SHAFT
LIFT SHAFT
LIFT SHAFT





1st BASEMENT
(PARKING Lev. -7'-0") & (CCTV ROOM Lev. -8'-0")

LEGENDS (SEWERAGE)

No.	SYMBOL	DESCRIPTION
01		MAIN SEWERAGE LINE
02		3" DIA WASTE PIPE
03		4" DIA SOIL PIPE
04		3"DIA WASTE PIPE(DOWN)
05		4" DIA SOIL PIPE (DOWN)
06	WB	WASH BASIN
07	VB	VANITY WASH BASIN
08	WC	W.C (ASIAN)
09	C	COMMODE
10	SK	SINK (SINGLE)
11		BIB COCK
12		MUSLIM SHOWER
13		SHOWER
14		TEE STOP COCK
15		FLOOR TRAP
16	GT	GULLY TRAP
17	IC	INSPECTION CHAMBER
18	MH	MAN HOLE (TYPE-1)
19		URINAL
20		SERVICE CLEAN OUT
21		SLEEVE
22		CLEAN OUT (C.O)

NOTES:

1.. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS
2.. INSTALLATION OF W.C WILL BE AVOIDED IN DIRECTION OF QIBLA
3.. VENT PIPE WILL BE PROVIDED ON HIGHER REQUIRED
4.. FOR GENERAL NOTES REFER DRAWING NO. P-00

ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
KARACHI

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: 1st. BASEMENT SEWERAGE LAYOUT	DATE: 16-11-2020	COM. LOCATION.
				REVISION	SHEET REF. PLUM.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO. / P-S-02

GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

LEGENDS (SEWERAGE)

No.	SYMBOL	DESCRIPTION
01		MAIN SEWERAGE LINE
02		3" DIA WASTE PIPE
03		4" DIA SOIL PIPE
04		3"DIA WASTE PIPE(DOWN)
05		4" DIA SOIL PIPE (DOWN)
06		WASH BASIN
07		VANITY WASH BASIN
08		W.C (ASIAN)
09		COMMODE
10		SINK (SINGLE)
11		BIB COCK
12		MUSLIM SHOWER
13		SHOWER
14		TEE STOP COCK
15		FLOOR TRAP
16		GULLY TRAP
17		INSPECTION CHAMBER
18		MAN HOLE (TYPE-1)
19		URINAL
20		SERVICE CLEAN OUT
21		SLEEVE
22		CLEAN OUT (C.O)

NOTES:

1.. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS
2.. INSTALLATION OF W.C WILL BE AVOIDED IN DIRECTION OF QIBLA
3.. VENT. PIPE WILL BE PROVIDE
4.. FOR GENERAL NOTES REFER DRAWING NO. P-00

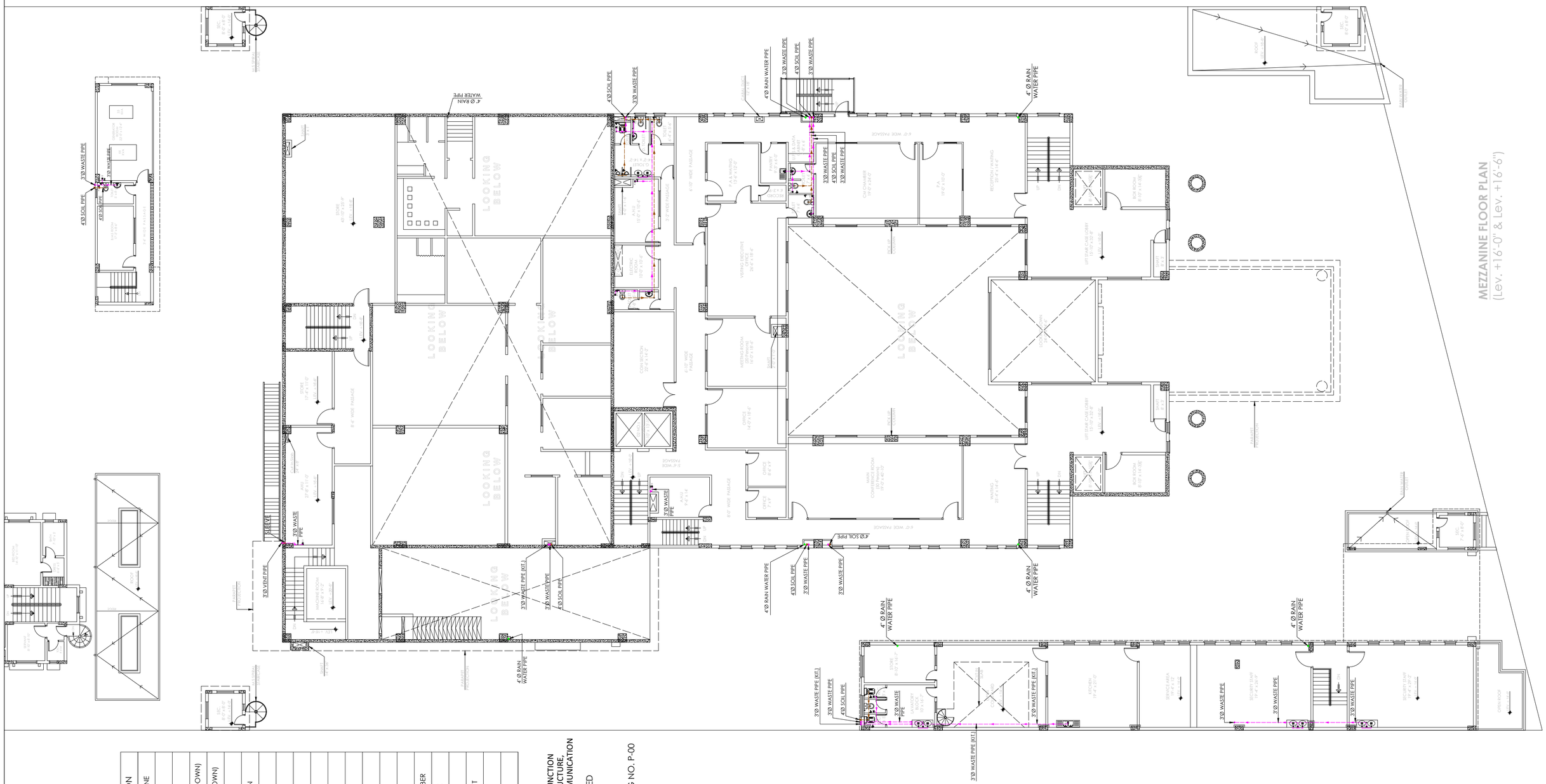
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

NOTES :-

FOR UPPER FLOOR ALL DISPOSAL PIPE RUNNING UNDER CEILING ARE LAID TO SLOPE

TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION. / SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	GROUND FLOOR PLAN SEWERAGE LAYOUT	16-11-2020	PLUM. P-S-03
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.



LEGENDS (SEWERAGE)

No.	SYMBOL	DESCRIPTION
01		MAIN SEWERAGE LINE
02		3" DIA WASTE PIPE
03		4" DIA SOIL PIPE
04		3"DIA WASTE PIPE(DOWN)
05		4" DIA SOIL PIPE (DOWN)
06	WB	WASH BASIN
07	VWB	VANITY WASH BASIN
08	WC	W.C (ASIAN)
09	CM	COMMODE
10	SK	SINK (SINGLE)
11	BC	BIB COCK
12	MS	MUSLIM SHOWER
13	SH	SHOWER
14	TSC	TEE STOP COCK
15	FT	FLOOR TRAP
16	GT	GULLY TRAP
17	IC	INSPECTION CHAMBER
18	MAN	MAN HOLE (TYPE-1)
19	U	URINAL
20	SCO	SERVICE CLEAN OUT
21		SLEEVE
22	CO	CLEAN OUT (C.O)

NOTES:
1.. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS
2.. INSTALLATION OF W.C WILL BE AVOIDED IN DIRECTION OF QIBLA
3.. VENT. PIPE WILL BE PROVIDE HIGH-LEVER REQUIRED
4.. FOR GENERAL NOTES REFER DRAWING NO. P-00

ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
ARCHITECTURAL & SERVICES CONSULTANTS

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION

NOTES :-
FOR UPPER FLOOR ALL DISPOSAL PIPE RUNNING UNDER CEILING ARE LAID TO SLOPE

TENDER DRAWING

Client: STATE BANK OF PAKISTAN

Job: CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant: ESS -I- AAR
PLANNING ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

TITLE	DATE	COM. LOCATION.	SHEET REF.
MEZZANINE FLOOR PLAN SEWERAGE LAYOUT	16-11-2020 REVISION		PLUM.
Ref. Rev. / SCALE N.T.S / DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.			P-S-04

FIRST FLOOR PLAN
(Lev. +27'-0")

LEGENDS (SEWERAGE)

No.	SYMBOL	DESCRIPTION
01		MAIN SEWERAGE LINE
02		3" DIA WASTE PIPE
03		4" DIA SOIL PIPE
04		3"DIA WASTE PIPE(DOWN)
05		4" DIA SOIL PIPE (DOWN)
06	WB	WASH BASIN
07	VB	VANITY WASH BASIN
08	WC	W.C (ASIAN)
09	CM	COMMODE
10	SK	SINK (SINGLE)
11	BC	BIB COCK
12	MS	MUSLIM SHOWER
13	SH	SHOWER
14	TS	TEE STOP COCK
15	FT	FLOOR TRAP
16	GT	GULLY TRAP
17	IC	INSPECTION CHAMBER
18	MH	MAN HOLE (TYPE-1)
19	U	URINAL
20	SCO	SERVICE CLEAN OUT
21	S	SLEEVE
22	CO	CLEAN OUT (C.O)

NOTES:

1.. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS
2.. INSTALLATION OF W.C WILL BE AVOIDED IN DIRECTION OF QIBLA
3.. VENT. PIPE WILL BE PROVIDE
4.. TRAP WHERE REQUIRED
5.. FOR GENERAL NOTES REFER DRAWING NO. P-00

ESS.I.AAR
ARCHITECTURAL & SERVICES CONSULTANTS
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

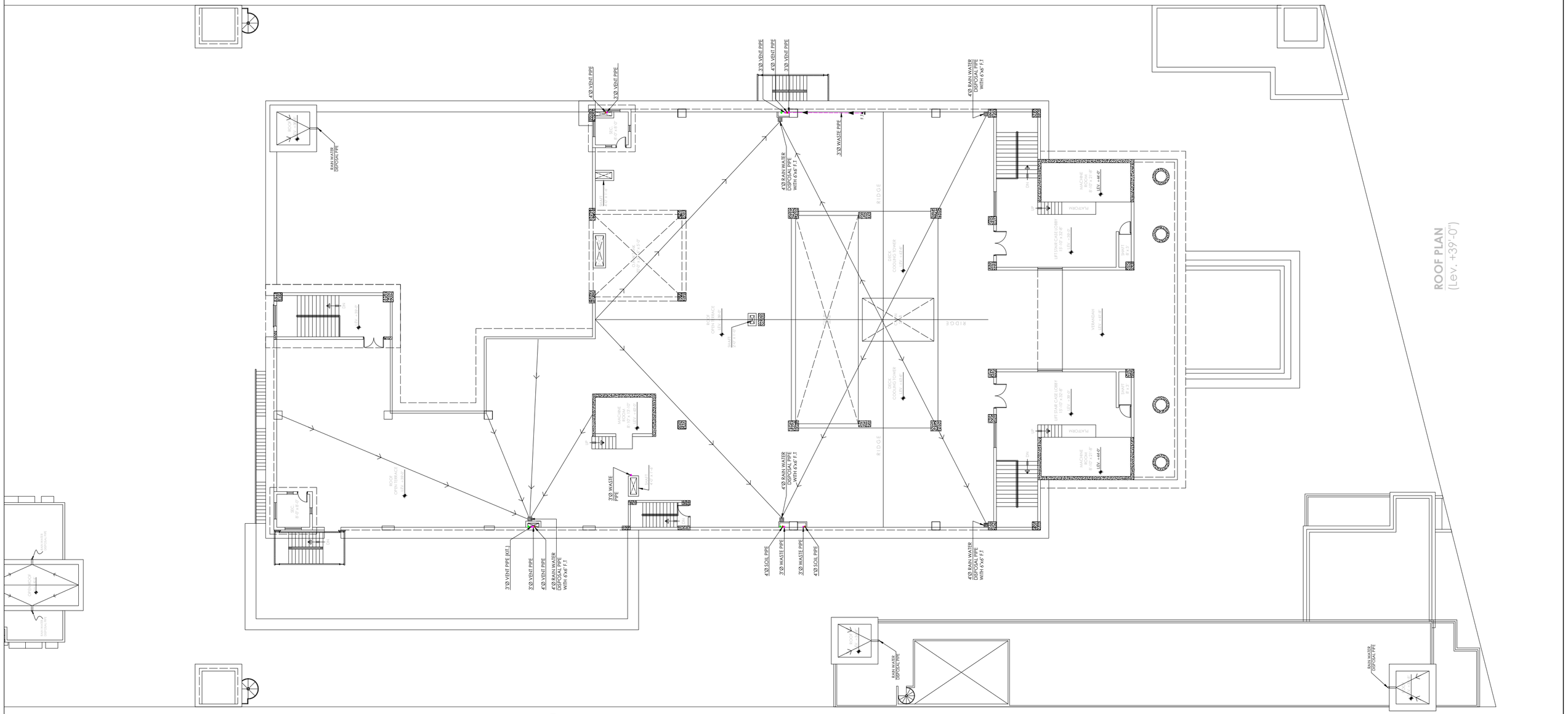
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING

NOTES :-

FOR UPPER FLOOR ALL DISPOSAL PIPE RUNNING UNDER CEILING ARE LAID TO SLOPE

TENDER DRAWING

Client	Job		Consultant	TITLE	DATE / COM. LOCATION. / SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**		ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	FIRST FLOOR PLAN SEWERAGE LAYOUT	16-11-2020 REVISION COM. LOCATION.	PLUM.
				Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**P-S-05**



LEGENDS (SEWERAGE)

No.	SYMBOL	DESCRIPTION
01		MAIN SEWERAGE LINE
02		3" DIA WASTE PIPE
03		4" DIA SOIL PIPE
04		3"DIA WASTE PIPE(DOWN)
05		4" DIA SOIL PIPE (DOWN)
06	WB	WASH BASIN
07	VB	VANITY WASH BASIN
08	WC	W.C (ASIAN)
09	CM	COMMODE
10	SK	SINK (SINGLE)
11	BC	BIB COCK
12	SH	MUSLIM SHOWER
13	SH	SHOWER
14	TSC	TEE STOP COCK
15	FT	FLOOR TRAP
16	GT	GULLY TRAP
17	IC	INSPECTION CHAMBER
18	MH	MAN HOLE (TYPE-1)
19	U	URINAL
20		SERVICE CLEAN OUT
21		SLEEVE
22		CLEAN OUT (C.O)

NOTES:

1.. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS
2.. INSTALLATION OF W.C WILL BE AVOIDED IN DIRECTION OF QIBLA
3.. VENT PIPE WILL BE PROVIDE WHEREVER REQUIRED
4.. TO SEE GENERAL NOTES REFER DRAWING NO. P-00

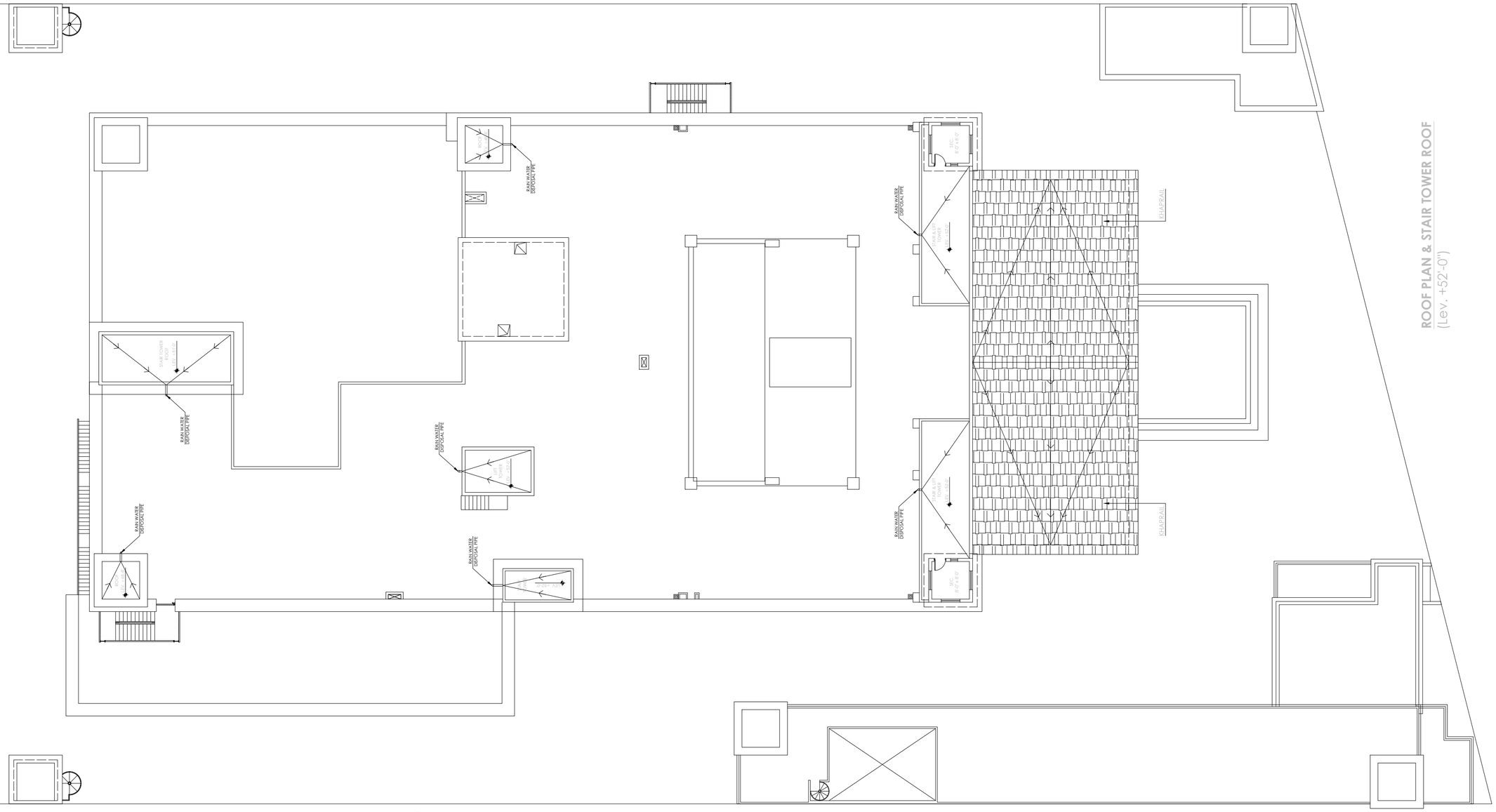
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
ARCHITECTURAL & SERVICES CONSULTANTS

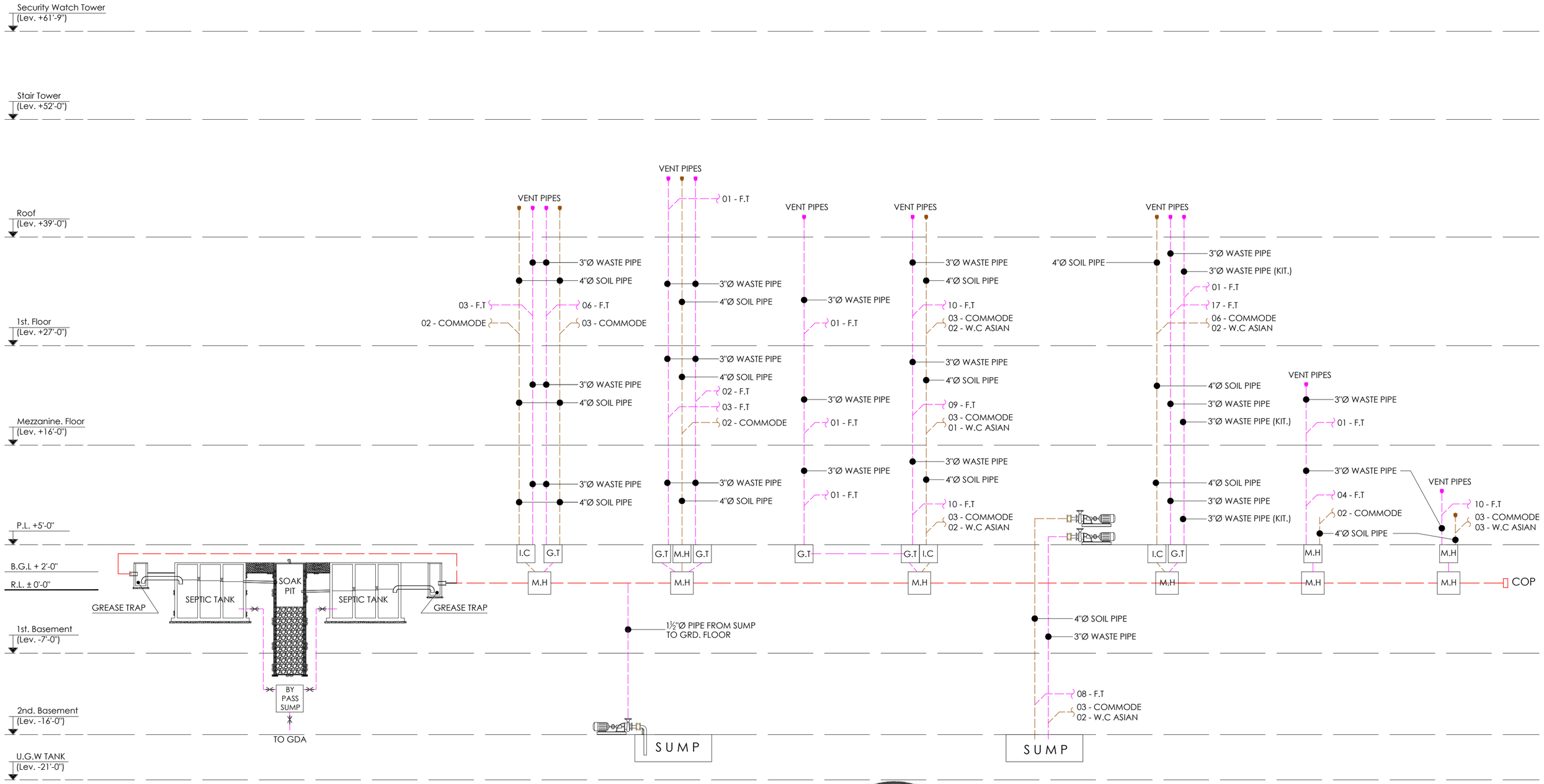
NOTES :-

FOR UPPER FLOOR ALL DISPOSAL PIPE RUNNING UNDER CEILING ARE LAID TO SLOPE

TENDER DRAWING

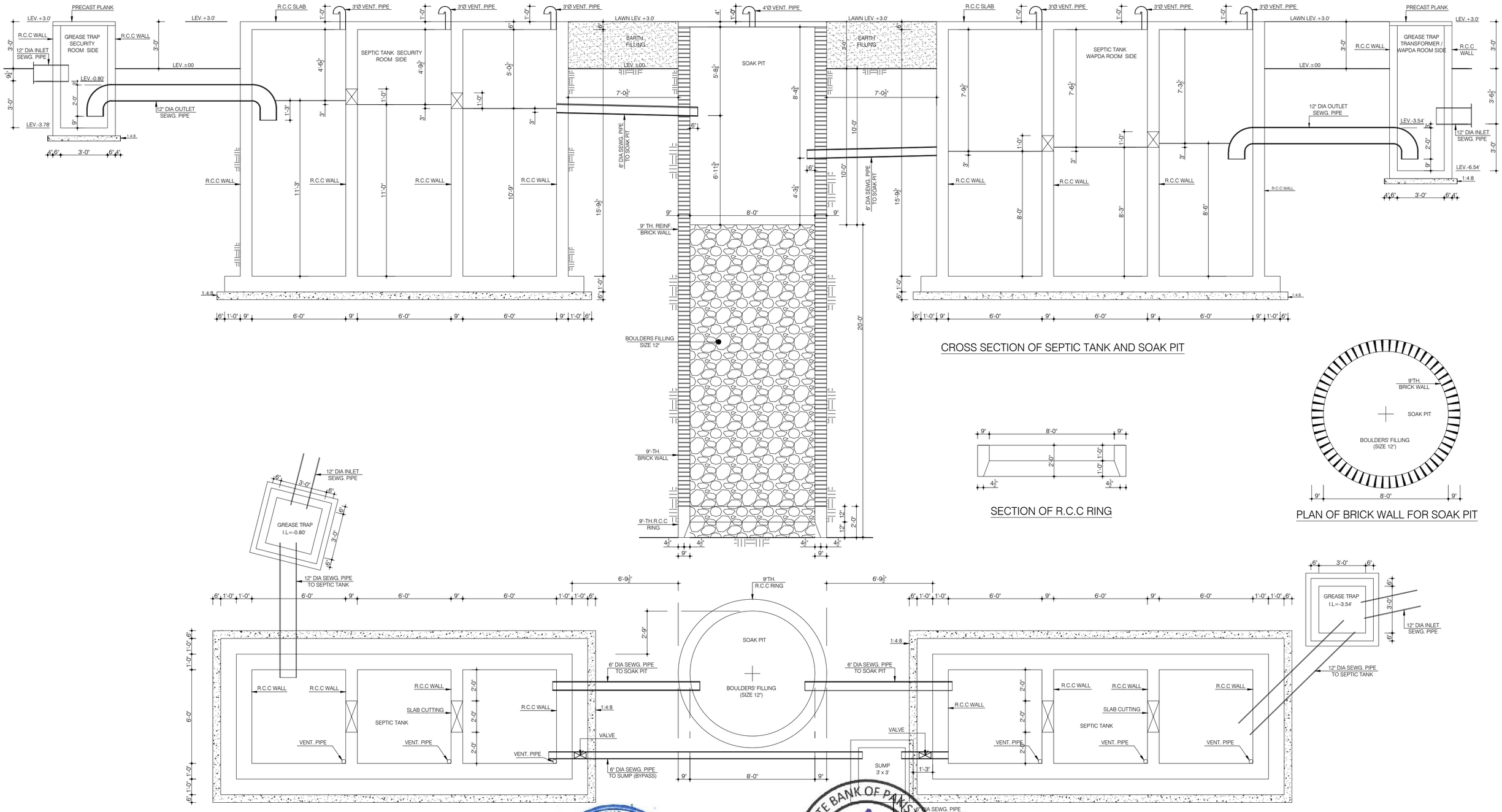
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ROOF PLAN SEWERAGE LAYOUT	DATE: 16-11-2020	COM. LOCATION.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
			CHKD. BY: S.GAZDAR	JOB NO.	SHEET REF. PLUM. **P-S-06**


ROOF PLAN & STAIR TOWER ROOF
(Lev. +52'-0")
RAIN WATER DISPOSAL PIPE
STAIR TOWER ROOF
EXHAUST FAN
EXHAUST FAN
EXHAUST FAN



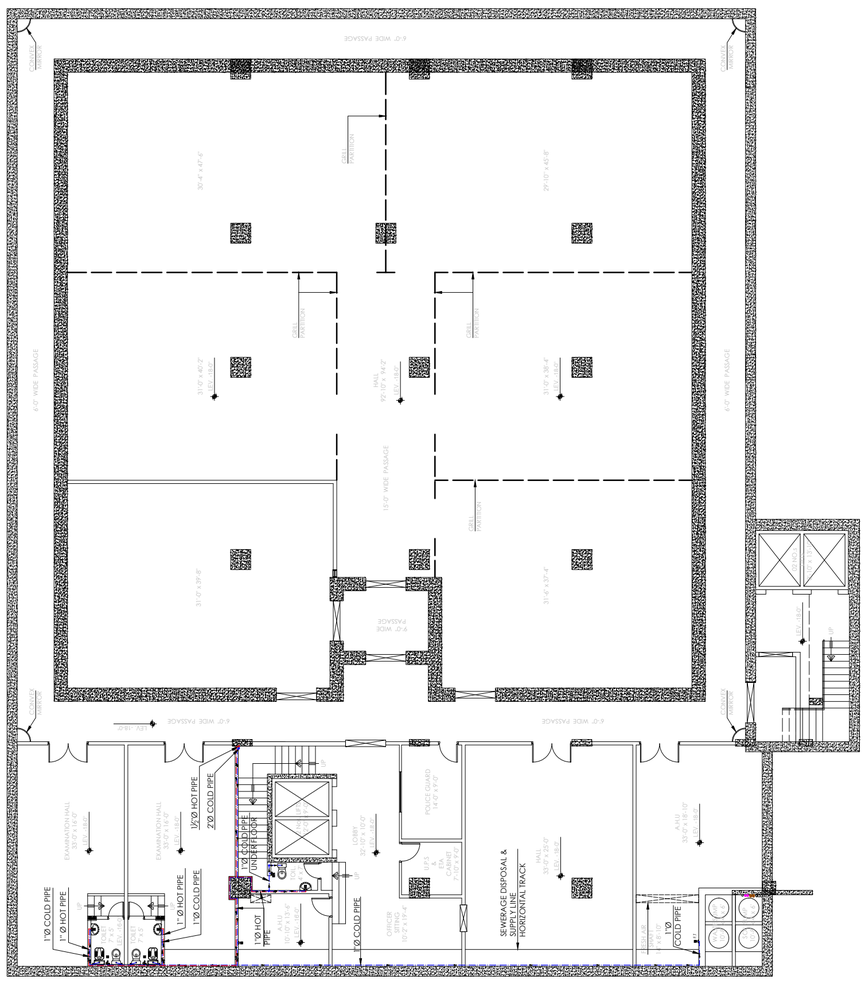
TENDER DRAWING

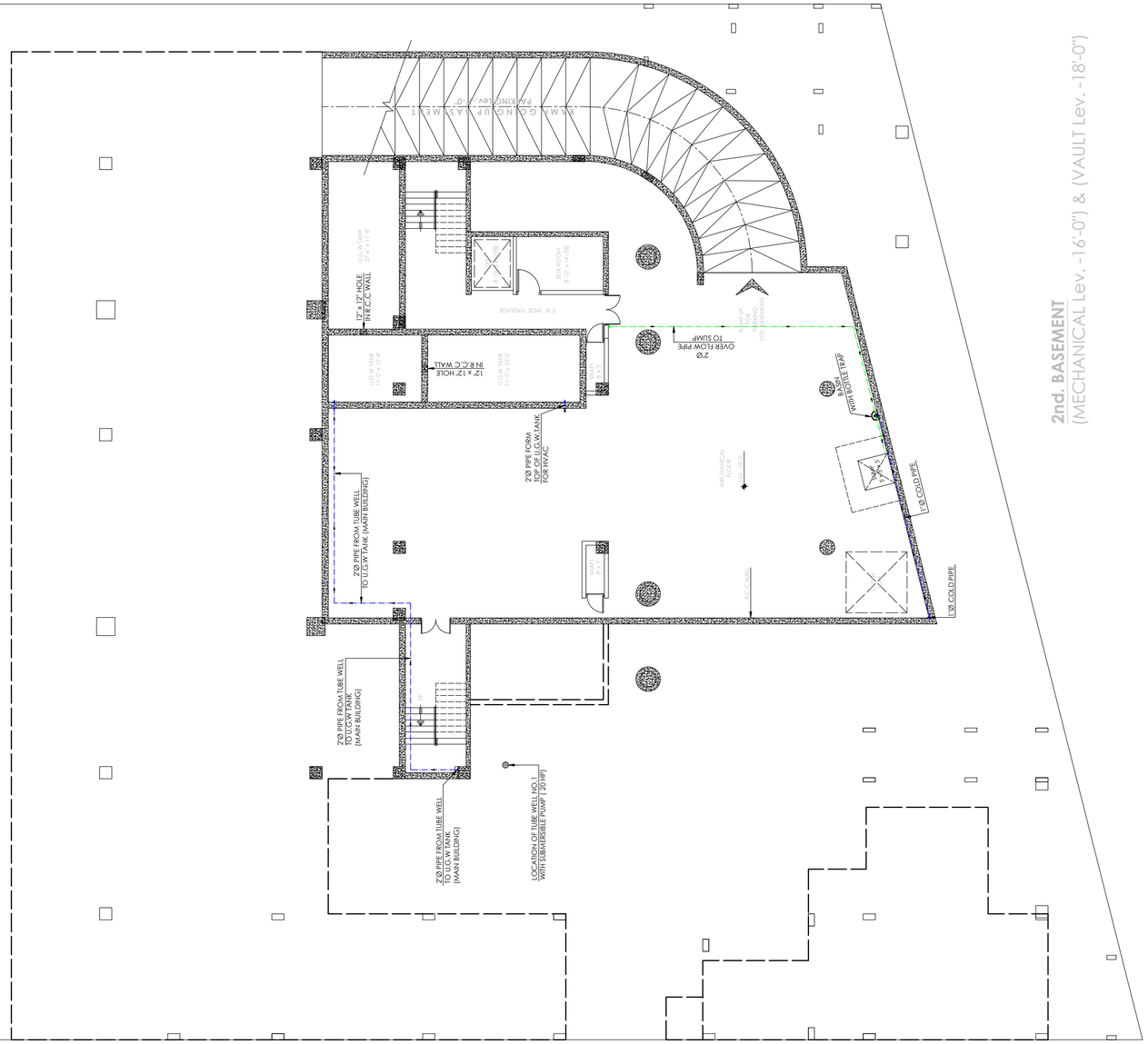
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: RISING DIAGRAM (SEWERAGE)	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	P-S-08



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ARRANGEMENT OF SEPTIC TANK AND SOAK PIT	DATE: 16-11-2020 (REVISED)	SHEET REF. PLUM.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.	P-S-09





2nd. BASEMENT
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")

LEGENDS (WATER SUPPLY)

No.	SYMBOL	DESCRIPTION
01		COLD PIPE
02		HOT PIPE
03		2" DIA OVER FLOW PIPE
04		2" DIA COLD PIPE (DOWN)
05		1½" DIA HOT PIPE (DOWN)
06		WASH BASIN
07		VANITY WASH BASIN
08		W.C (ASIAN)
09		COMMODE
10		SINK (SINGLE)
11		BIB COCK
12		MUSLIM SHOWER
13		SHOWER
14		TEE STOP COCK
15		WATER PUMP (MOTOR) FLOAT ACTUATED SWITCH
16		VALVE
17		GEYSER (GAS)
18		URINAL

NOTES :

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS
2. A FLOAT ACTUATED CENTRIFUGAL PUMP (1/2 HP) ATTACHED TO THE HOSE BIB IS TO BE INSTALLED IN EACH AHU ROOM FOR MAINTENANCE AND CLEANING.
4. FOR GENERAL NOTES REFER DRAWING NO. P-00

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT PROJECT MANAGEMENT DIVISION

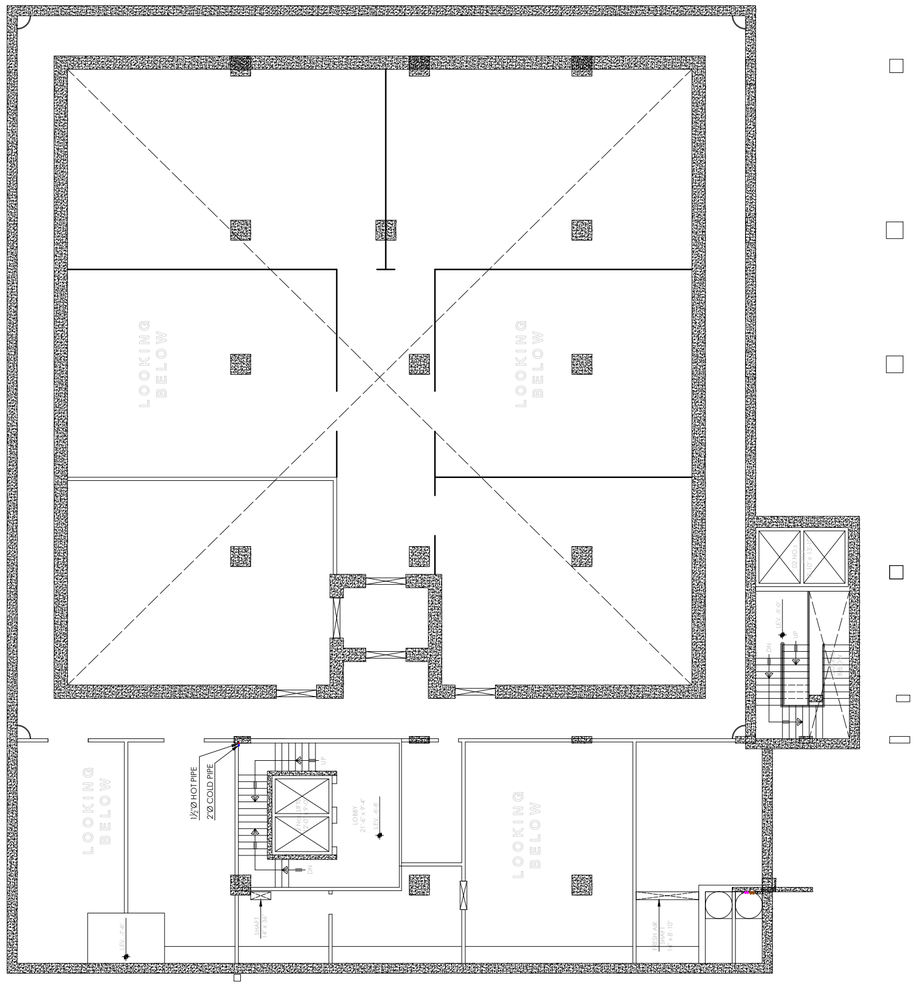
TENDER DRAWING

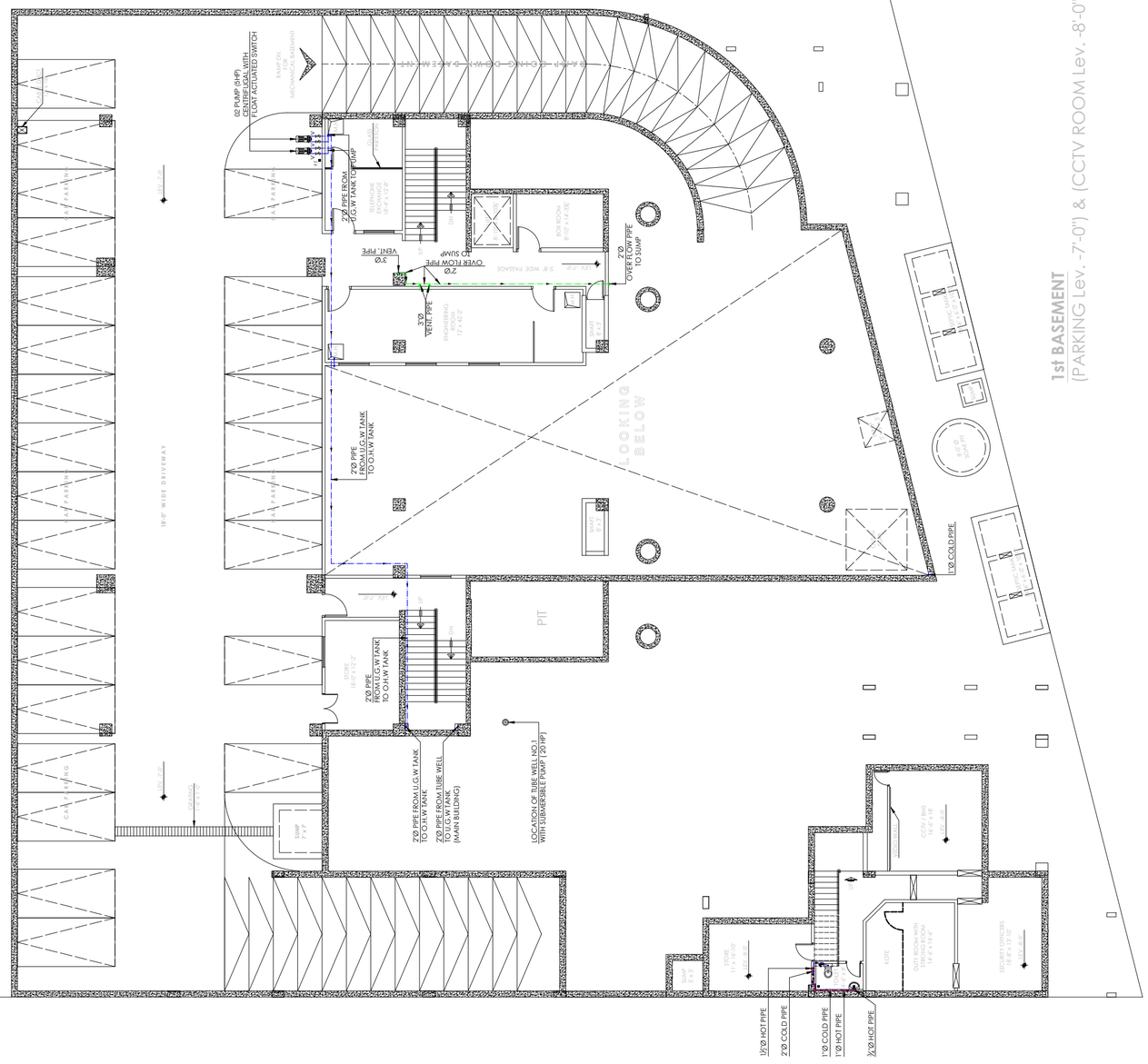
Client: STATE BANK OF PAKISTAN

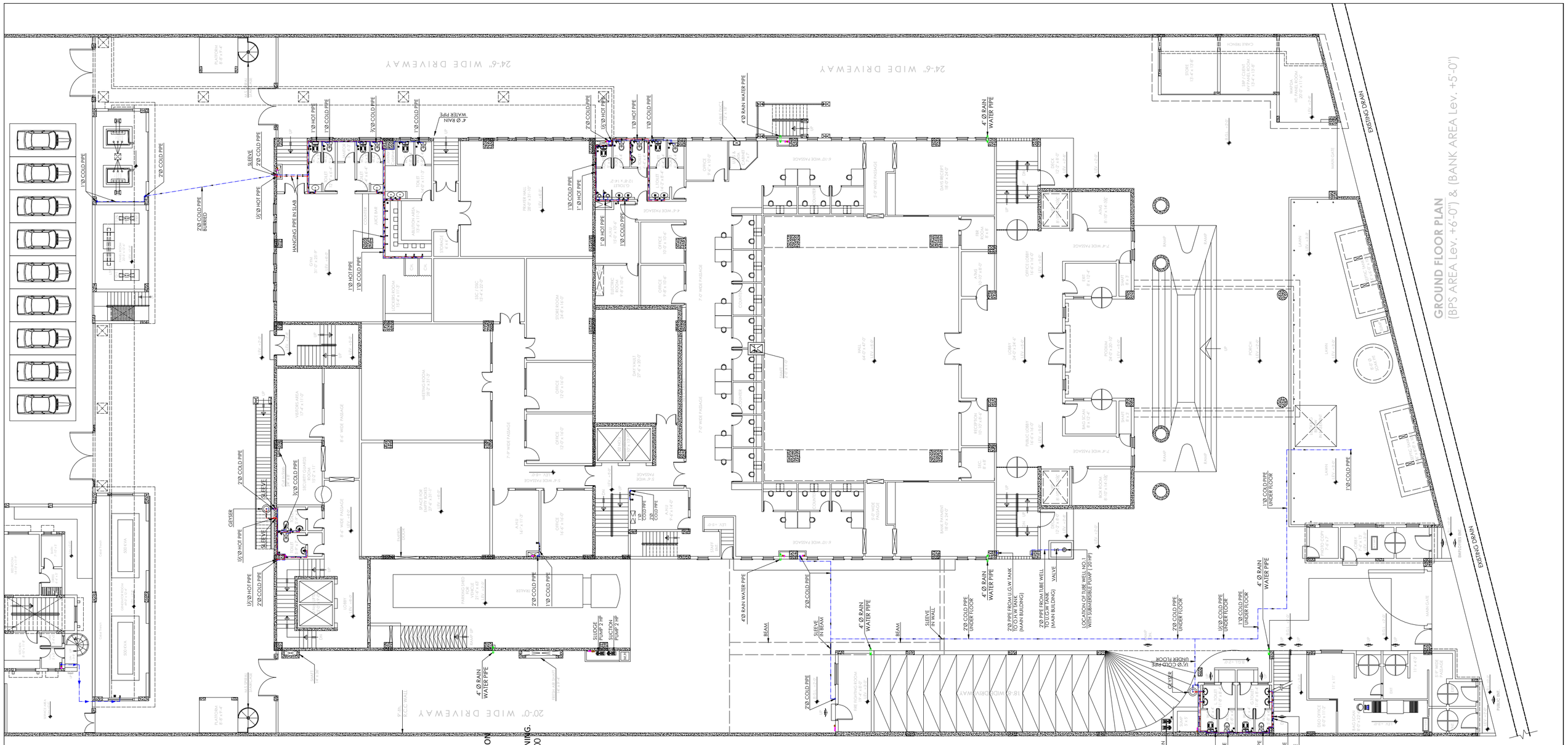
Job: CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

Consultant: ESS -I- AAR
PLANNING ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

TITLE	DATE	COM. LOCATION.	SHEET REF.
2ND. BASEMENT WATER SUPPLY	16-11-2020		PLUM.
Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR	JOB NO.
			P-W-01




02 PUMP (5HP) FOR EACH WITH FLOAT ACTUATED SWITCH
RAMP ON MECHANICAL BASEMENT
2Ø PIPE FROM U.G.W.TANK TO PUMP
GRAVEL PARKING
TELEPHONE EXCHANGE 18'-4" x 12'-6"
RISER
UP
DN
RISER
UP
DN
RISER
UP
DN



LEGENDS (WATER SUPPLY)

No.	SYMBOL	DESCRIPTION
01		COLD PIPE
02		HOT PIPE
03		2" DIA OVER FLOW PIPE
04		2" DIA COLD PIPE (DOWN)
05		1½" DIA HOT PIPE (DOWN)
06		WASH BASIN
07		VANITY WASH BASIN
08		W.C (ASIAN)
09		COMMODE
10		SINK (SINGLE)
11		BIB COCK
12		MUSLIM SHOWER
13		SHOWER
14		TEE STOP COCK
15		WATER PUMP (MOTOR) FLOAT ACTUATED SWITCH
16		VALVE
17		GEYSER (GAS)
18		URINAL

NOTES :

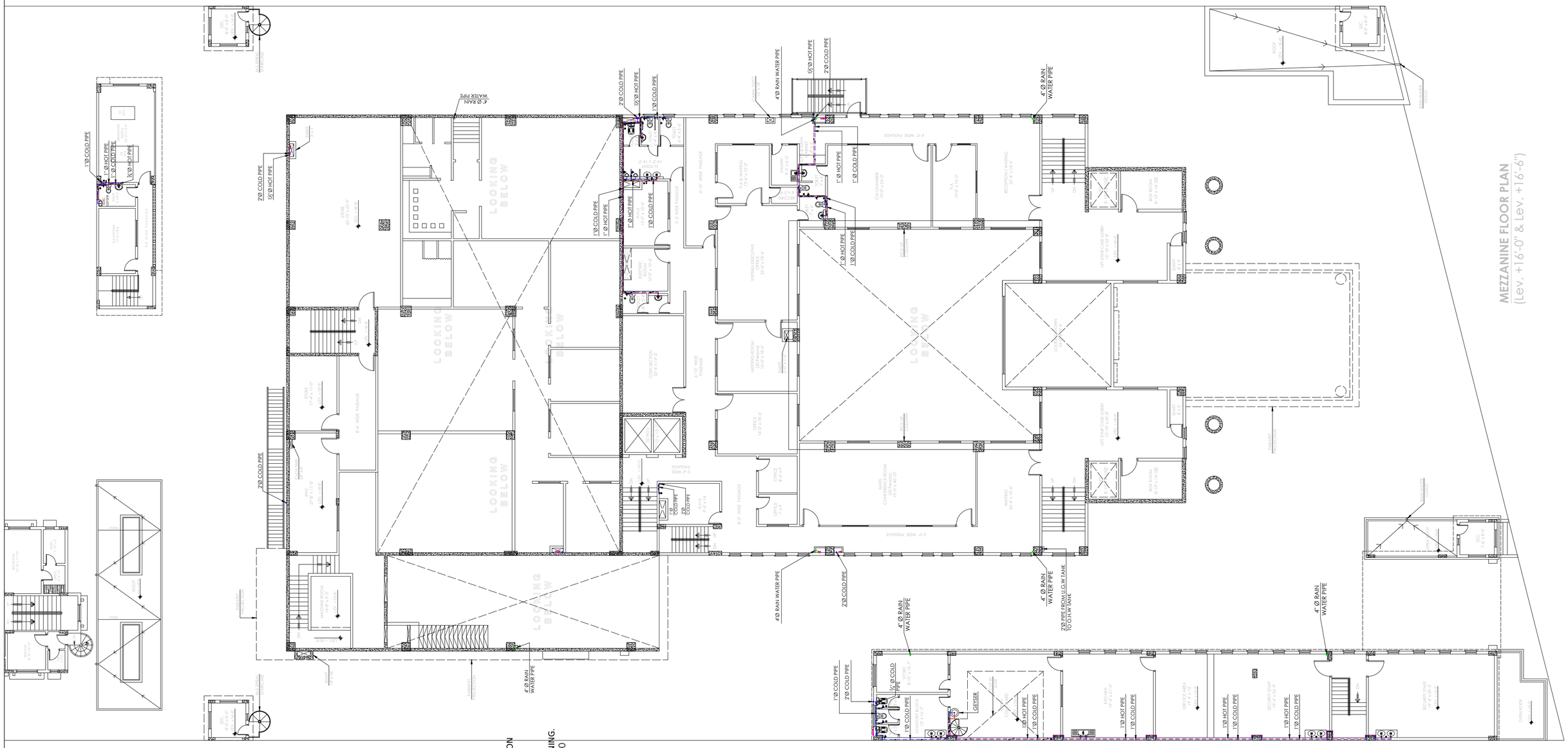
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS
2. A FLOAT ACTUATED CENTRIFUGAL PUMP (1/2 HP) ATTACHED TO THE HOSE BIB IS TO BE INSTALLED IN EACH AHU ROOM FOR MAINTENANCE AND CLEANING.
4. FOR GENERAL NOTES REFER DRAWING NO. P-00

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ★ ENGINEERING ★ PROJECT MANAGEMENT DIVISION

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND FLOOR PLAN WATER SUPPLY	DATE: 16-11-2020 (REVISION)	COM. LOCATION.
					SHEET REF. PLUM.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL
				CHKD. BY S.GAZDAR	JOB NO.
					P-W-03



LEGENDS (WATER SUPPLY)

No.	SYMBOL	DESCRIPTION
01		COLD PIPE
02		HOT PIPE
03		2" DIA OVER FLOW PIPE
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16		VALVE
17		GEYSER (GAS)
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NOTES :

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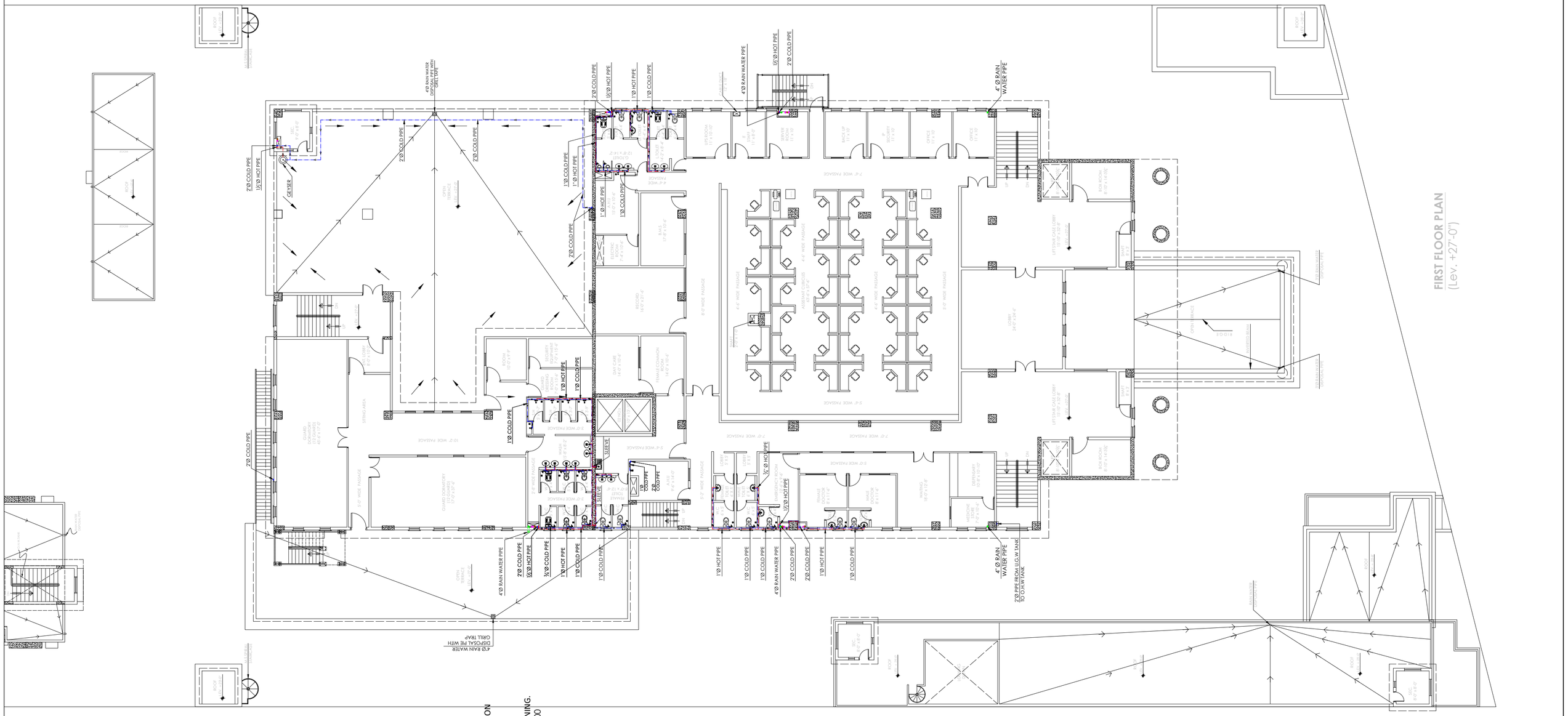
4.. FOR GENERAL NOTES REFER DRAWING NO. P-00

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre 5.5 Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ENGINEERING ARCHITECTURE

TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	MEZZANINE FLOOR PLAN WATER SUPPLY	16-11-2020	PLUM.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.
			COM. LOCATION.		P-W-04



LEGENDS (WATER SUPPLY)

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15		WATER PUMP (MOTOR) FLOAT ACTUATED SWITCH
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NOTES :

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS
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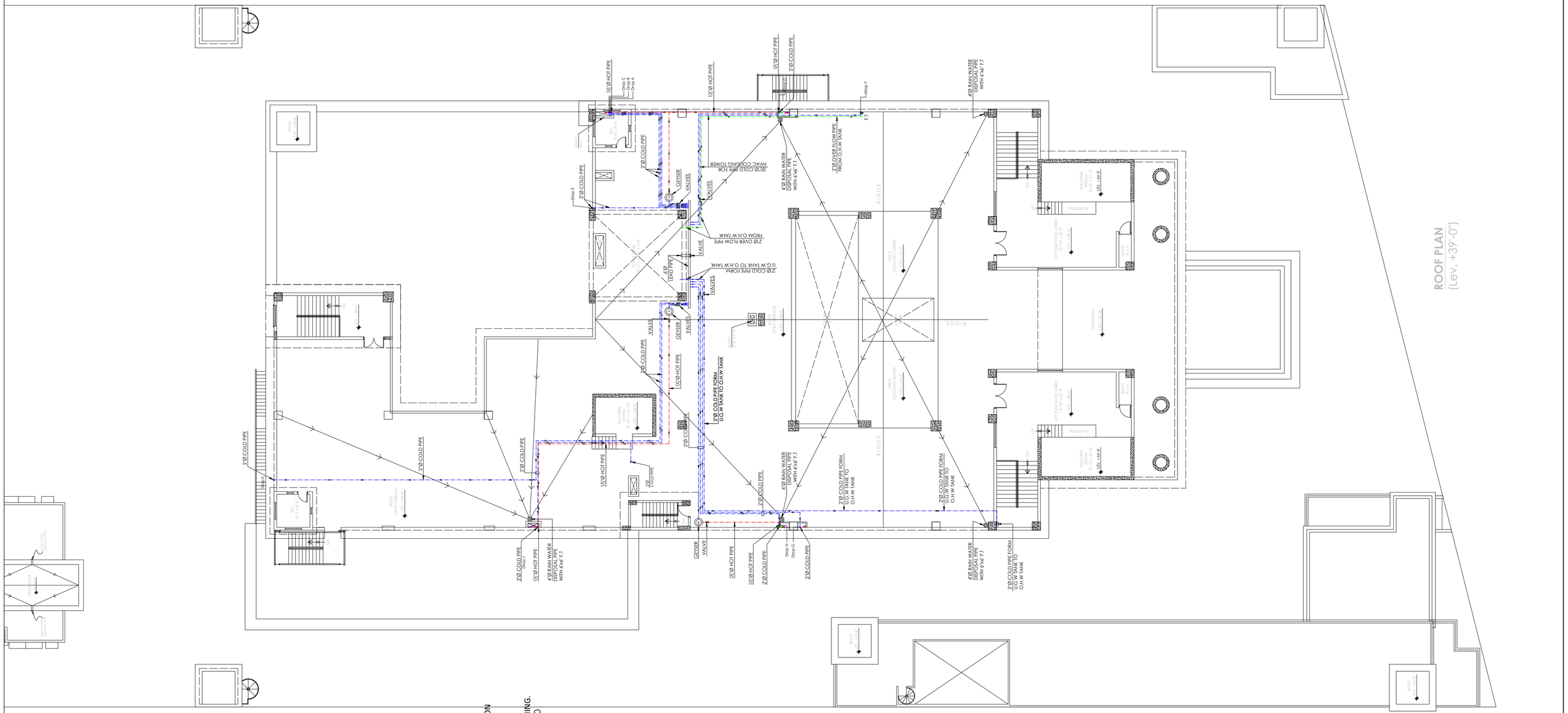
4. FOR GENERAL NOTES REFER DRAWING NO. P-00

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal

STATE BANK OF PAKISTAN ★ ENGINEERING ★ PROJECT MANAGEMENT DIVISION

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: FIRST FLOOR PLAN WATER SUPPLY	DATE: 16-11-2020	COM. LOCATION.
				REVISIONS	SHEET REF. PLUM.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL
				CHKD. BY S.GAZDAR	JOB NO.
					P-W-05



LEGENDS (WATER SUPPLY)

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NOTES :

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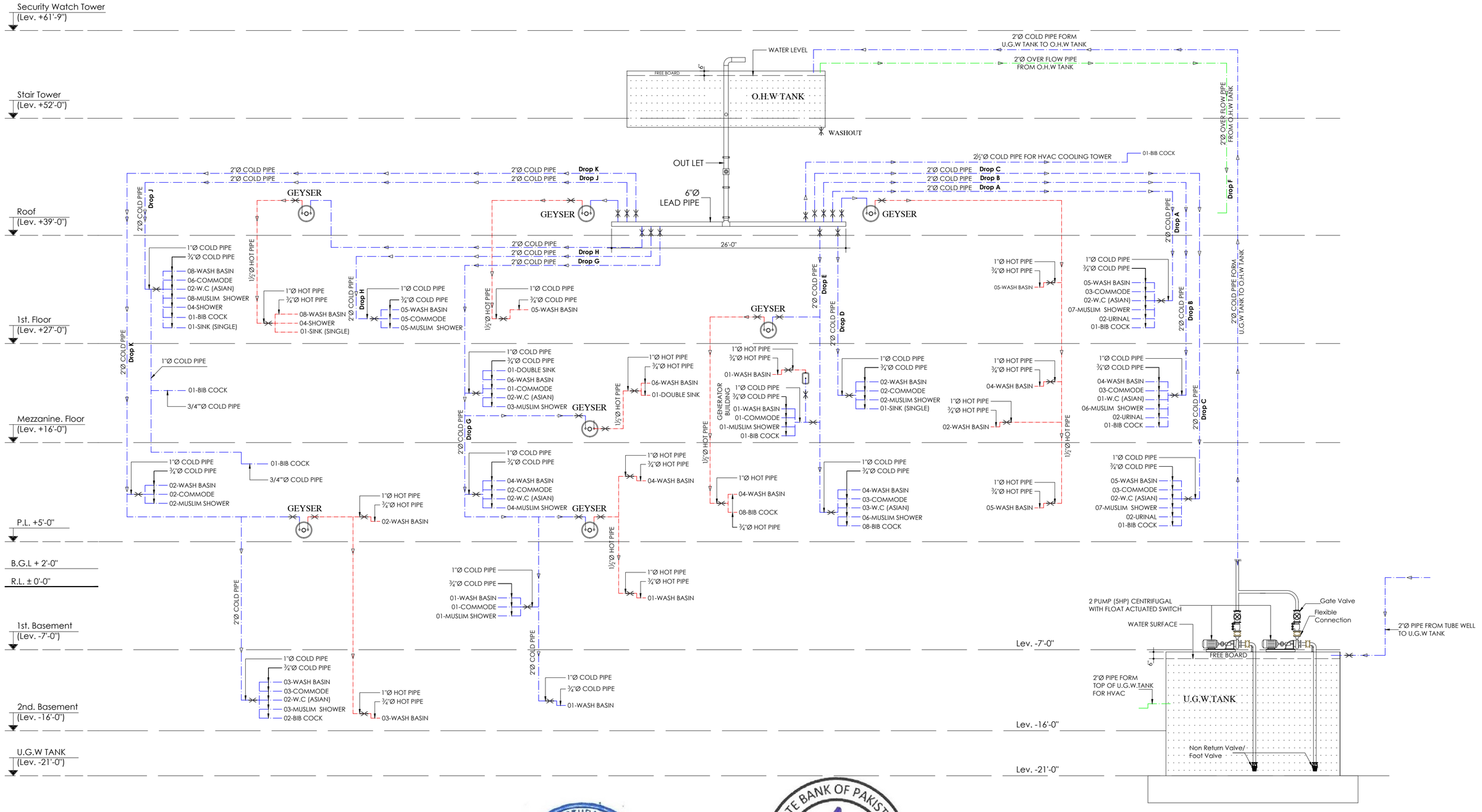
4. FOR GENERAL NOTES REFER DRAWING NO. P-00

ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT

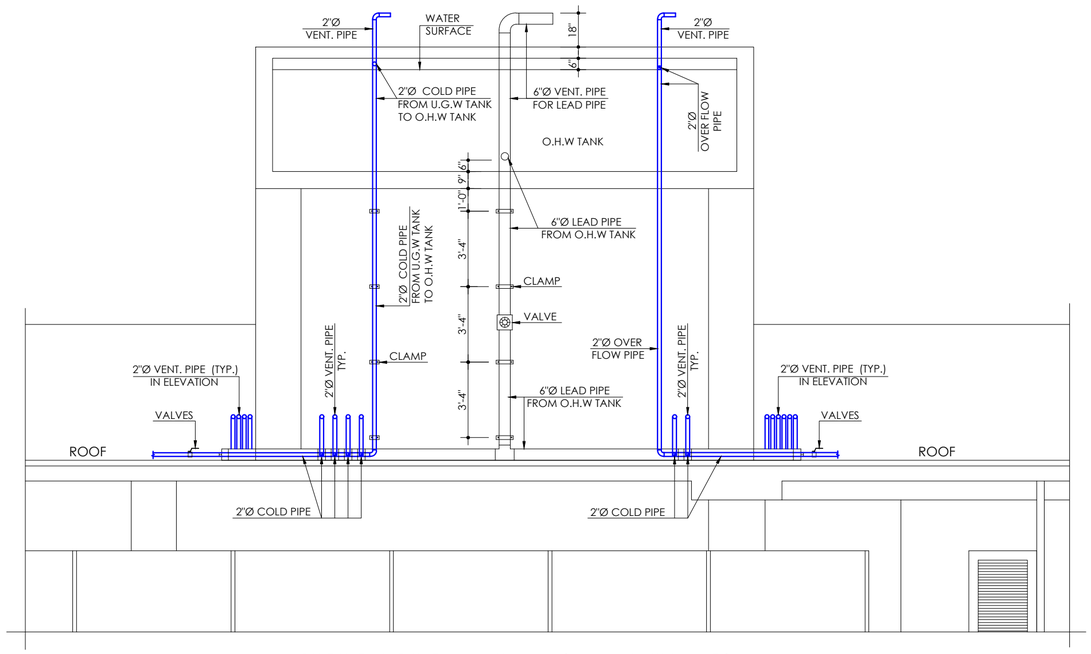
TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION. / SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	ROOF PLAN WATER SUPPLY	16-11-2020	PLUM.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	P-W-06

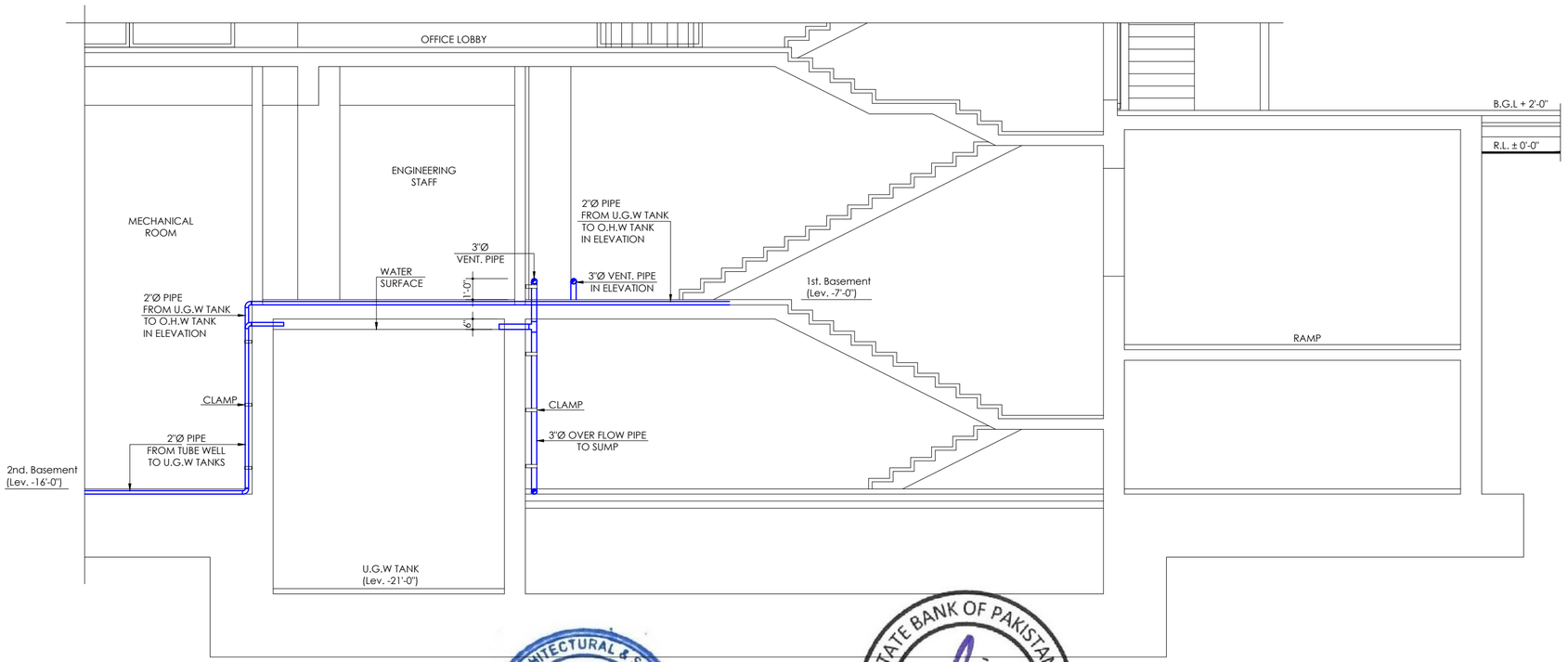


TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: RISING DIAGRAM (WATER SUPPLY)	DATE: 16-11-2020 REVISION	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	P-W-07



SECTION OF O.H.W TANK (MAIN BUILDING)



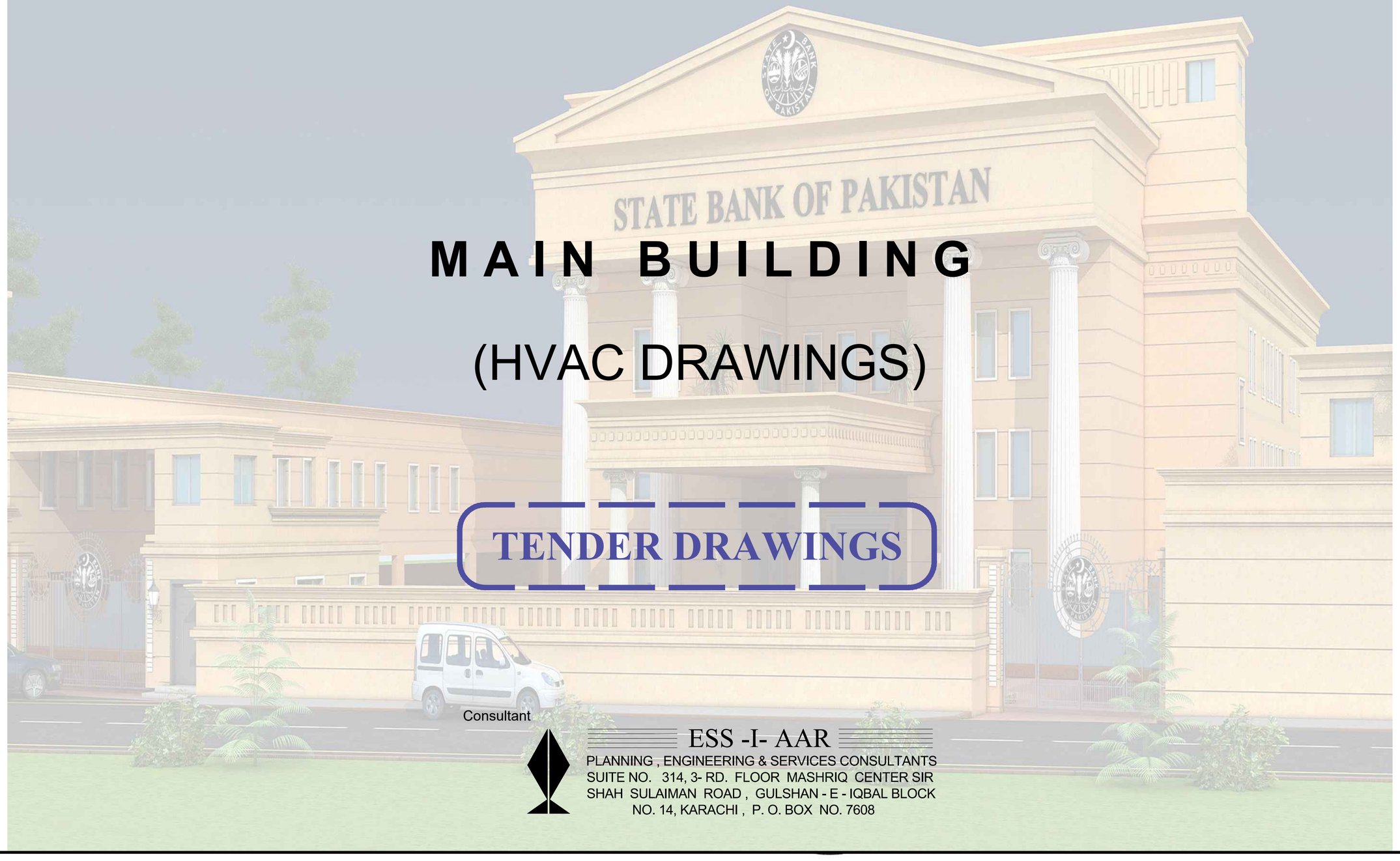
SECTION OF U.G.W TANK
MAIN BUILDING

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314 3rd RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: SECTIONS OF U.G.W TANK AND O.H.W TANK SHOWING WATER RISING FOR MAIN BUILDING	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	**P-W-08**

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

(HVAC DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

GENERAL NOTES:

- This Package contains Basic Drawings for Tendering and Construction with all materials,Installation and respective details. Contractor must produce shop drawings and furnish samples and get them approved from project manager/ HVAC and Mechanical Consultant prior to execution at site.
- Do not scale the drawings, follow written instructions.
  The drawings shall not be used for construction purpose until stamped "FOR CONSTRUCTION" and signed by the HVAC and Mechanical Consultant.
- If any discrepancy is found on drawing the Consultant shall be informed prior to starting the work on site.
- All materials used shall be in strict accordance with the specifications.
- Submit samples of materials to the Consultant for approval prior to use on site.
- Masonry around ducts to be executed after plumbing / mechanical installations.
- All drawings must be read in conjunction with relevant engineering drawings and coordination b/w architecture, electrical security system, public health/ address System and other services should be done before the construction of the work.
- Where a discrepancy is noted between basic and detailed drawings, detailed drawing shall govern.
- All dimensions are shown in inch feet.
- All dimensions to be confirmed at site prior to construction.

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal

STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT SBP BSC HDK PROJECT MANAGEMENT DIVISION

TENDER DRAWING

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: HVAC System General Notes		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	AC-1

G.I DUCT WORK SCHEDULE

LARGER DIMENSION	SHEET METAL GAUGE	REINFORCEMENT SPACING	TRANSVERSE JOINT REINFORCEMENT	INTERMEDIATE BRACING	DIST. OF BRACING TRANSVERSE JOINT
UPTO 12″	26 SWG	4′-0″	DRIVE SLIP 24 SWG	NIL	NIL
13″-24″	26 SWG	4′-0″	STANDIND SEAM 1″x24 SWG	NIL	NIL
25″-40″	24 SWG	4′-0″	COMPANIAN ANGLES L 1″x1″x1/8″	NIL	NIL
41″-48″	22 SWG	4′-0″	COMPANIAN ANGLES L 1″x1″x1/8″	NIL	NIL
49″-78″	20 SWG	4′-0″	COMPANIAN ANGLES L 1.25″x1.25″x1/8″	L 1.25″x11.25″x1/8″	2′-0″

DUCT HANGER SCHEDULE

LARGER DIMENSION	STEEL ROD SIZE	TRAPEZE ANGLE SIZE	HANGERS SPACING
UPTO 18″	1/4″ ø	L 1″x1″x1/8″	8′-0″ C/C
18″-36″	3/8″ ø	L 1.5″x1.5″x1/8″	8′-0″ C/C
37″-72″	1/2″ ø	L 2″x2″x1/4″	8′-0″ C/C
73″-100″	5/8″ ø	L 2″x2″x3/8″	8′-0″ C/C

SCHEDULE OF PIPE SUPPORTS M.S/G.I PIPES

PIPE SIZE	HORIZONTAL DIST.	VERTICAL DIST.
1/2″ ø TO 3/4″ø	5 FT. C/C	6 FT. C/C
1″ø TO 1 1/4″ø	6 FT. C/C	10 FT. C/C
1 1/2″ø TO 2 1/2″ø	10 FT. C/C	10 FT. C/C
3″ø TO 4″ø	12 FT. C/C	12 FT. C/C
6″ø AND LARGER	15 FT. C/C	12 FT. C/C

SYMBOLS FOR HEATING VENTILATION & AIR CONDITIONING WORKS

SYMBOL MEANING	SYMBOL
POINT OF CHANGE IN DUCT CONSTRUCTION(BY STATIC PRESSURE CLASS)	
DUCT (1st. FIGURE SIDE SHOWN 2ND FIGURE. SIDE NOT SHOWN)	20x12
ACOUSTICAL LINING DUCT DIMENSIONS FOR NET FREE AREA	
DIRECTION OF FLOW	
DUCT SECTION (SUPPLY)	S30x12
DUCT SECTION (EXHAUST) OR RETURN)	E OR R 20x12
INCLINED RIZE (R) OR DROP (D) ARROW IN DIRECTION OF AIR FLOW	R
TRANSITIONS GIVE SIZE NOTE F.O.T. FLAT ON TOP OR F.O.B FLAT ON BOTTOM IF APPLICABLE	
STANDARD BRANCH FOR SUPPLY & RETURN (NO SPLITTER)	S R
VOLUME DAMPER MANUAL OERATION	VD
AUTOMATIC DAMPERS MANUAL OPERATION	SEC MOD
ACCESS DOOR (AD) ACCESS PANEL (AP)	OR AD
FIRE DAMPER SHOW VERTICAL POS. SHOW HORIZ. POS.	FD AD
SMOKE DAMPER	SD
CEILING DAMPER OR ALTERNATE PROTECTION FOR FIRE RATED CLG	
TURNING VANES	
FLEXIBLE DUCT FLEXIBLE CONNECTION	
GOOSE NECK HOOD (COWL)	
BACK DRAFT DAMPER	

SYMBOL MEANING	SYMBOL
SUPPLY AIR GRILLE (SAG)	20″x12″ 700 CFM
RETURN (RG) OR EXHAUST (EG)	20″x12″RAG 700 CFM
SUPPLY AIR REGISTER (SAR) (A GRILLE INTEGRAL VOL CONTROL)	20″x12″SAR 700 CFM
EXHAUST OR RETURN AIR INLET CEILING (INDICATE TYPE)	20″x12″GR 700 CFM
SUPPLY OUTLET CEILING ROUND (TYPE AS SPECIFIED) INDICATE FLOW DIRECTION	20″ 700 CFM
SUPPLY OUTLET CEILING SQUARE(TYPE AS SPECIFIED INDICATE FLOW DIRECTION	12x12 700 CFM
SUPPLY OUTLET CEILING SQUARE(TYPE AS SPECIFIED	TU
COMBINATION DIFFUSER AND LIGHT FIXTURE	
DOOR LOUVERS	D/L 12x6
SOUND ATTENVATOR	ST
FAN & MOTOR WITH BELT GUARD & FLEXIBLE CONNECTIONS	
VENTILATING UNIT (TYPE AS SPECIFIED)	
UNIT HEATER (DOWNBLAST)	
UNIT HEATER (HORIZONTAL)	
UNIT HEATER (CENTRIFUGAL FAN) PLAN	
THERMOSTAT	T
POWER OR GRAVITY ROOF VENTILATOR-EXHAUST (ERV)	
POWER OR GRAVITY ROOF VENTILATOR-INTAKE (SRV)	
POWER OR GRAVITY ROOF VENTILATOR-INTAKE (SRV)	
LOUVERS & SCREEN	36 24L

TENDER DRAWING

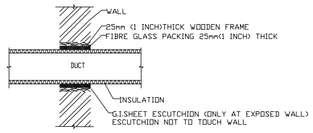
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal

STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT SBP BSC HDK PROJECT MANAGEMENT DIVISION

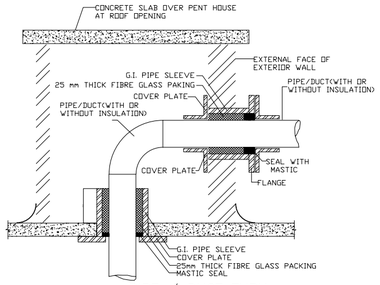
Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I.AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

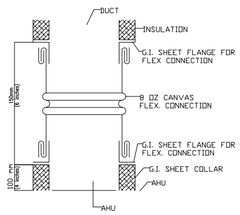
TITLE: HVAC System Ducting System Layout for Symbols & Detail	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN / JOB NO. AC-2



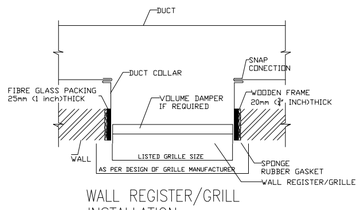
EXTERNAL INSULATION DUCT THRU WALL



PIPE / DUCT THRU EXTERIOR WALL & ROOF



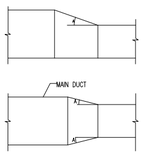
FLEXIBLE DUCT CONNECTION



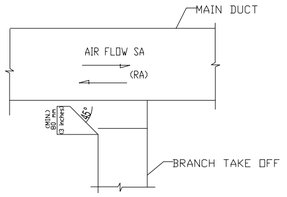
WALL REGISTER/GRILL INSTALLATION

NOTE:

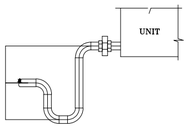
1. ALL HARDWARE SHALL BE PAINTED/GALVANISED. PER TANE-1
2. DUCT HANGERS SHALL BE INSTALLED AS
3. THE TABLE SHOWS THE MAXIMUM SPACIING OF HANGERS HANGERS SHALL HOWEVER BE INSTALLED AT EVERY CHANGE OF DIRECTIONS AT VOLUME CONTROL DAMPER, AT OTHER DUCT MOUNTED ACCESSORIES LOCATION, AND WHERE NECESSARY TO SUPPORT LOCATION, AND
4. HANGERS SHALL BE ATTACHED TO THE ROOF SLAB WITH 6mm DIAMETER RAWL BOLTS.
5. HANGERS SHALL BE MANUJFACTURED USING HOT-DIP GALVANISED ANGLE IRON & RODS. AFTER FABRICATION PAINT WITH TWO COATS OF KROMIC ORANGE PRIMER 470/1 MANUFACTURED BY BERGER PAINTS (PVT) LTD.



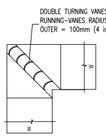
DUCT TRANSITION FABRICATION



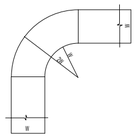
BRANCH DUCT TAKE-OFF



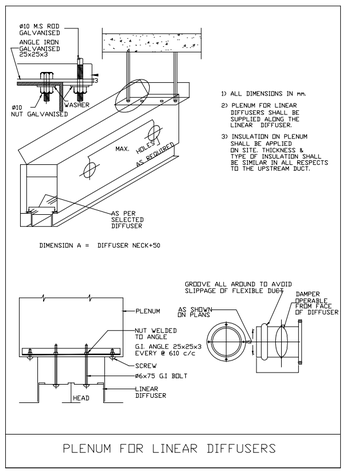
AHU / FCU CONDENSATE DRAIN TRAP



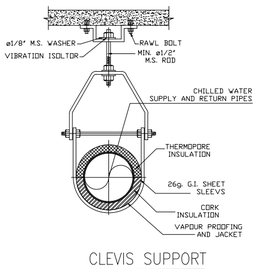
MITRE ELBOW



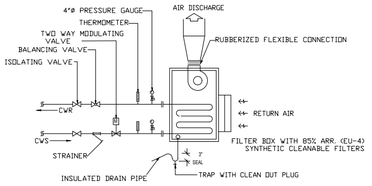
RADIUS ELBOW



PLENUM FOR LINEAR DIFFUSERS

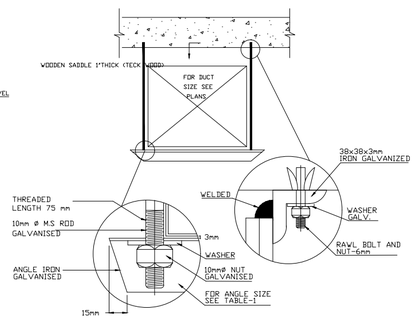


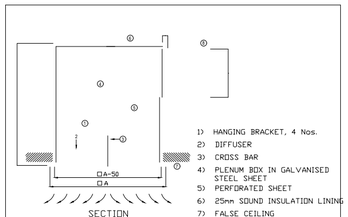
CLEVIS SUPPORT



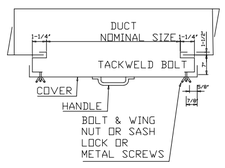
AHU COOLING COIL CONNECTION DETAIL

AHU FOUNDATION DETAIL

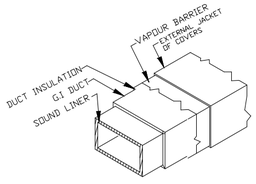




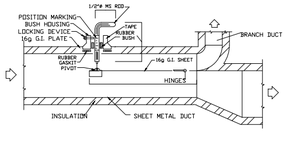
PLENUM FOR ROUND/ RECTANGULAR DIFFUSER



ACCESS DOOR IN DUCT



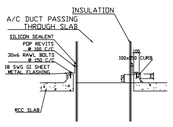
DETAIL OF THERMAL INSULATION ON AIR DUCT



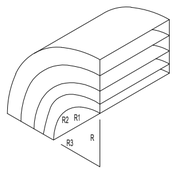
SPLITTER DAMPER DETAIL

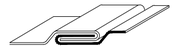
PITTSBURGH LOCK

BUTTON PUNCH SNAP LOCK



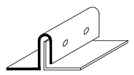
TYPICAL DETAIL OF CURB FOR GI DUCTS PASSING THROUGH RCC SLAB



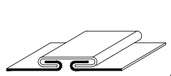


GROOVED SEAM
ALSO CALLED FLAT LOCK AND PIPE LOCK

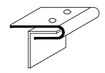
DOUBLE CORNER SEAM STANDING SEAM



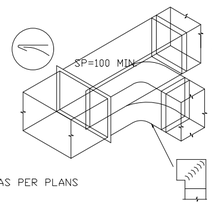
SINGLE CORNER SEAM



DRIVE SLIP



SINGLE CORNER SEAM

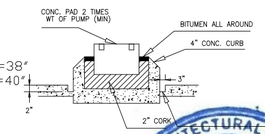


PARALLEL FLOW ELBOW

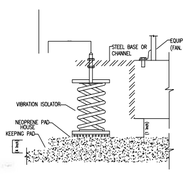
VANES ELBOW

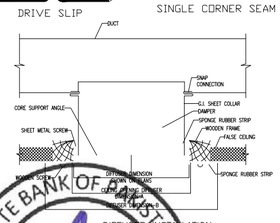
0-12"	R=6"
13"-24"	R=8", R1=20"
25"-36"	R=8", R1=14", R2=22"
37"-48"	R=8", R1=12", R2=20", R3=38"
49"-72"	R=12",R1=13", R2=23", R3=40"

VANES ELBOW

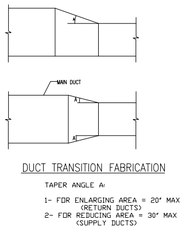


PUMP FOUNDATION DETAIL





DIFFUSER INSTALLATION



PLANNING ENGINEERING & ARCHITECTURAL & SERVICES CONSULTANTS ESS-I-AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Block 14

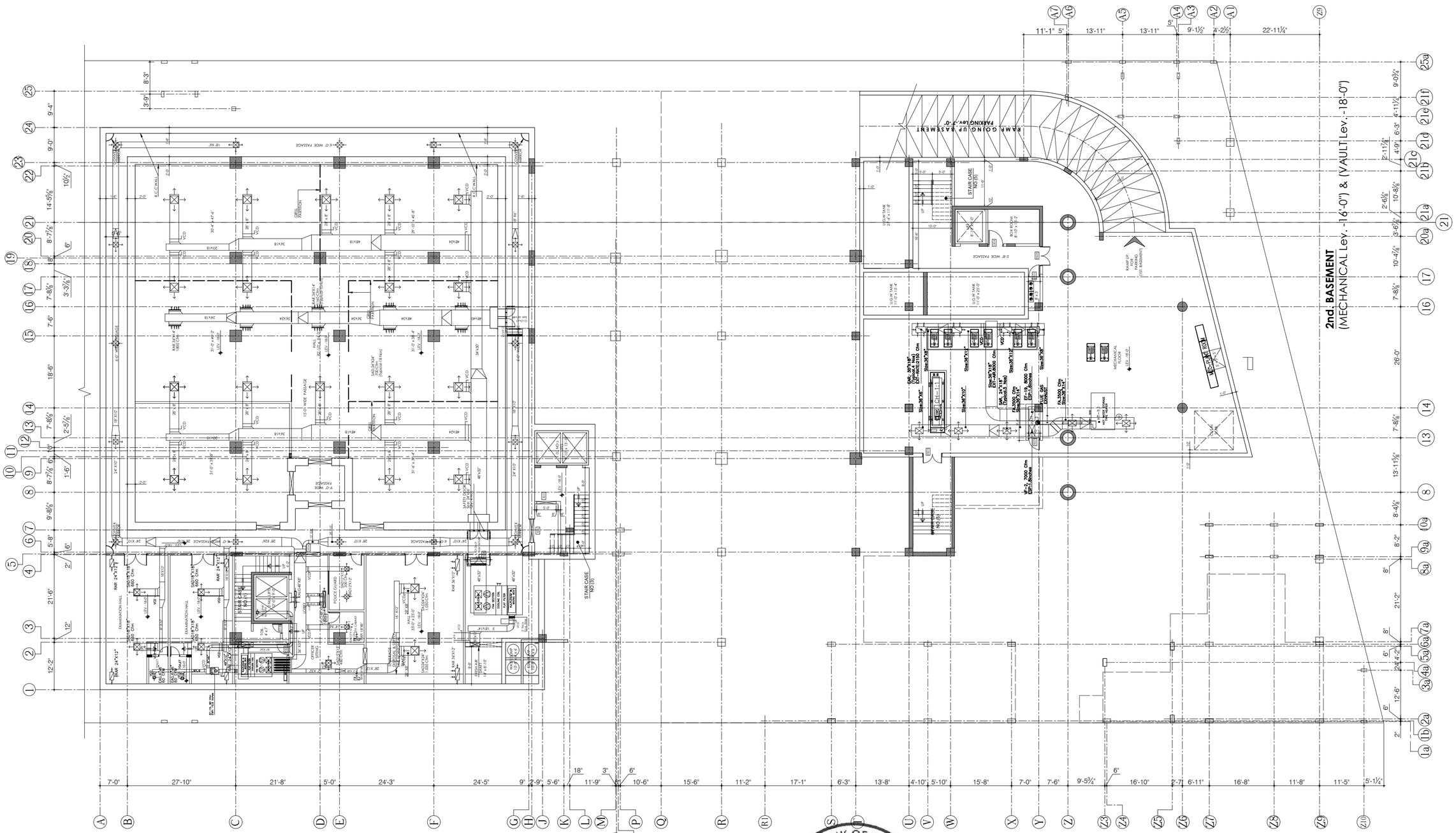
STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT SBP BEC HOK PROJECT MANAGEMENT DIVISION

TENDER DRAWING

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS-I-AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE:HVAC System Miscellaneous Detail		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	AC-3



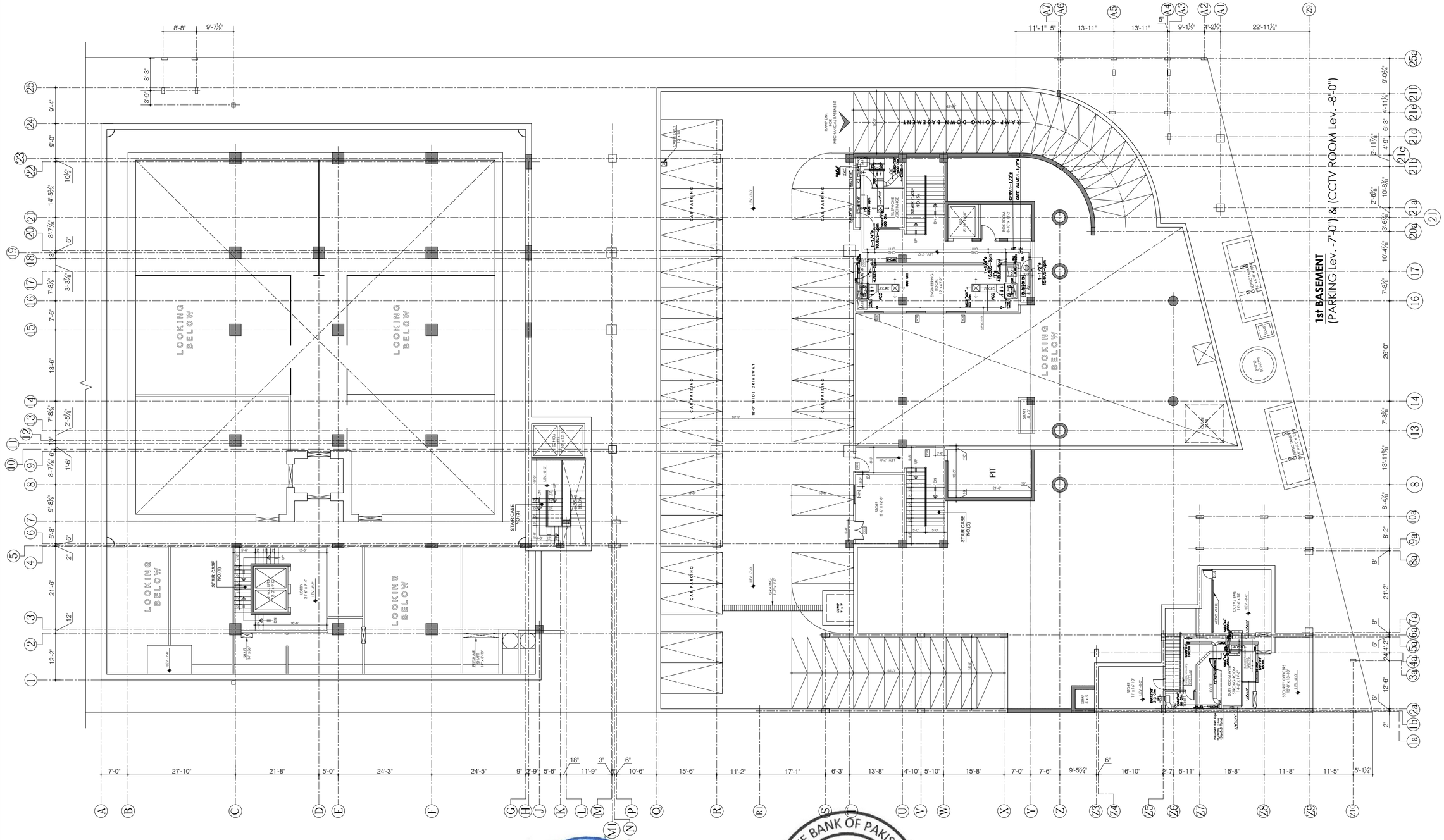
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT SBP BSC HQK

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS-I-AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314,
3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD ,
GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: HVAC System Ducting System Layout for 2nd Basement.	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN / JOB NO.

AC-4



Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

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PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
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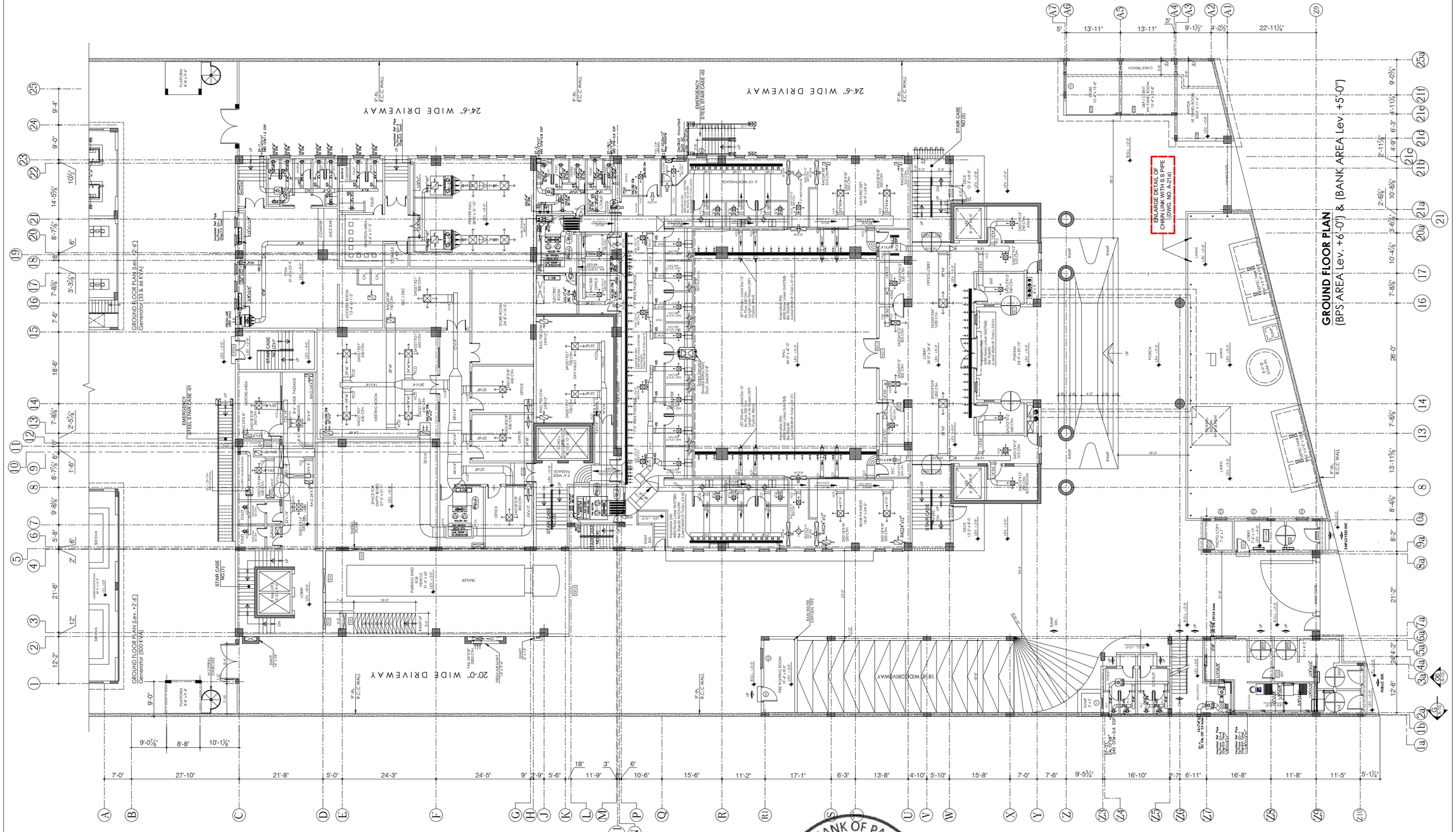
STATE BANK OF PAKISTAN — PROJECT MANAGEMENT DIVISION — ENGINEERING DEPARTMENT SBP BSC HOK

TITLE: HVAC System Ducting & Piping System For 1St Basement.		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	AC-5



Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

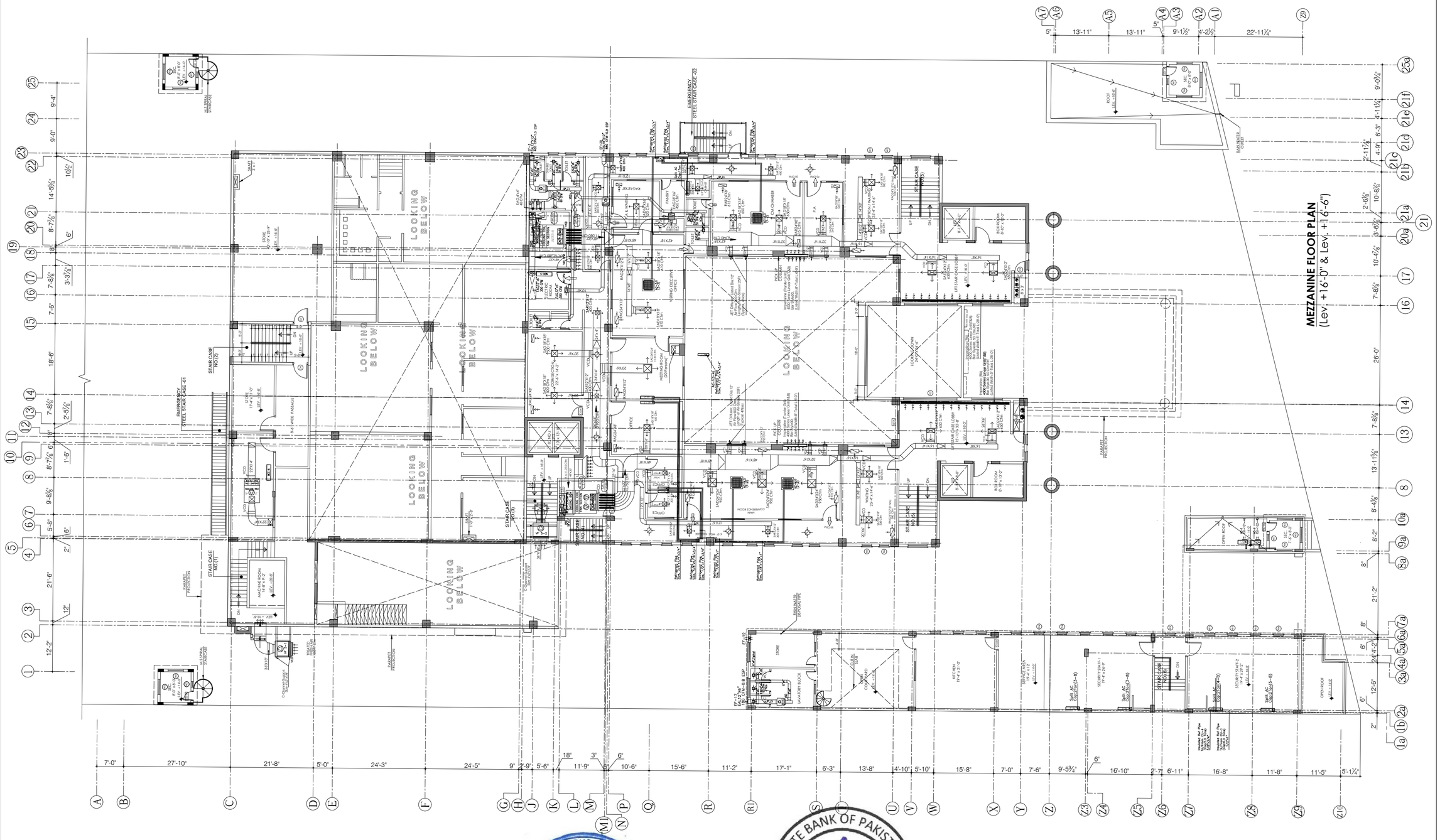
ESS- I'AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal — ENGG. ARCHITECTURAL & SERVICES CONSULTANT

STATE BANK OF PAKISTAN — PROJECT MANAGEMENT DIVISION — ENGINEERING DEPARTMENT SBP BSC HDK

TITLE: HVAC System Ducting System Layout for Ground Floor.	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN / JOB NO.
			AC-6



TENDER DRAWING

PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT SBP BSC HOK
STATE BANK OF PAKISTAN

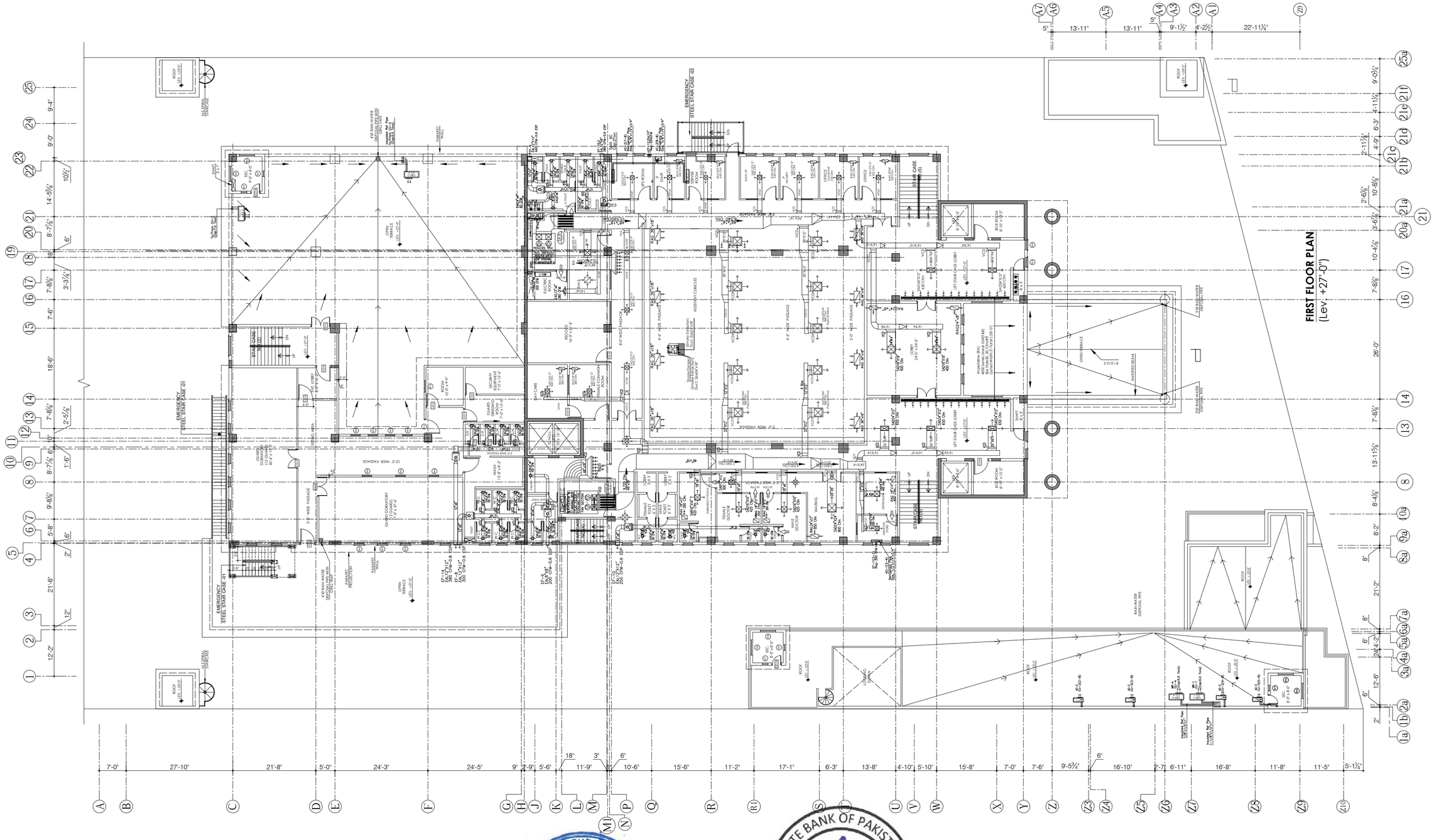
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314,
3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD ,
GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: HVAC System Ducting System Layout for Mezzanine Floor.		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	AC-7



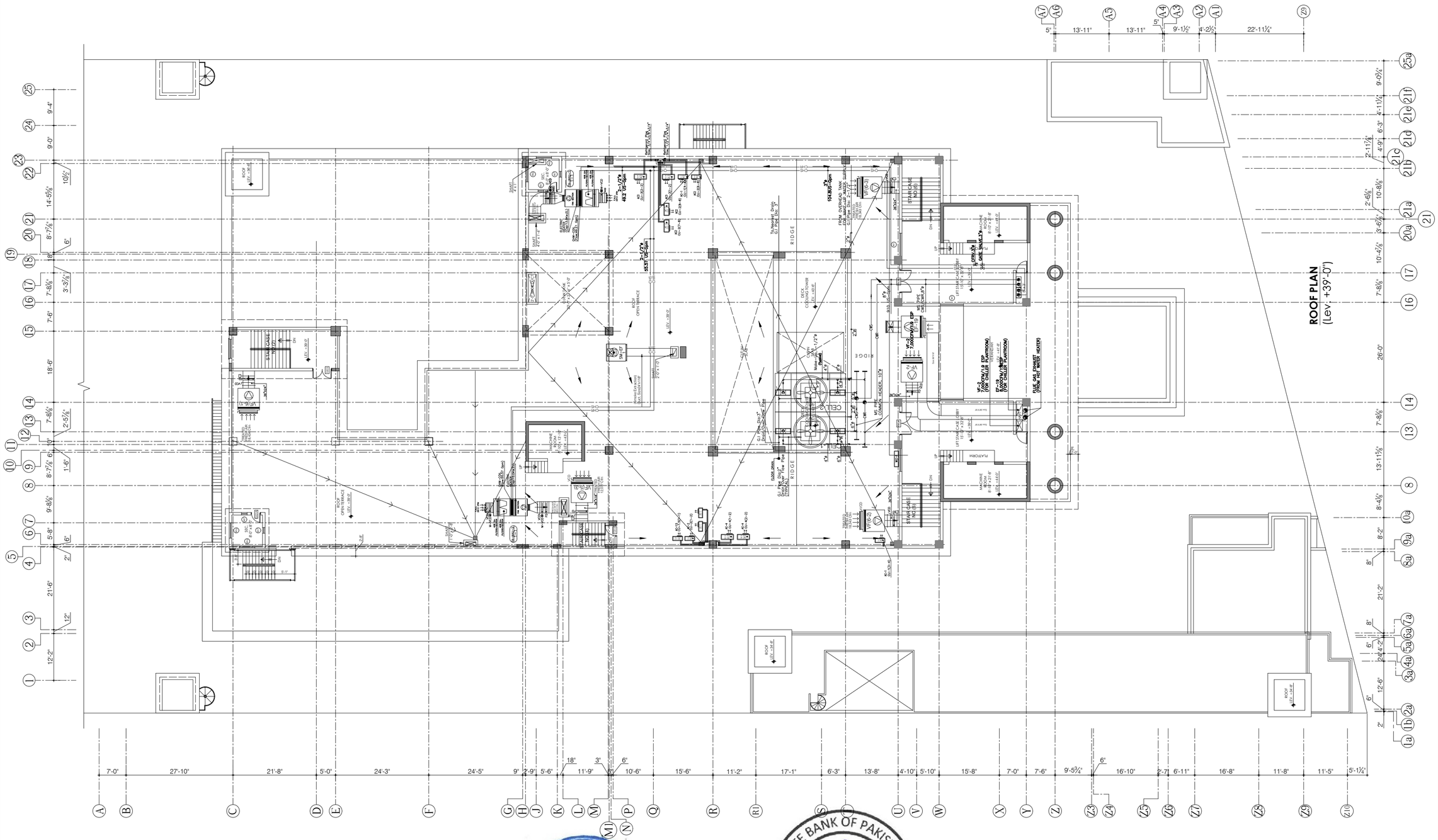
Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS-I-AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal

STATE BANK OF PAKISTAN — PROJECT MANAGEMENT DIVISION — ENGINEERING DEPARTMENT SBP BSC HOK

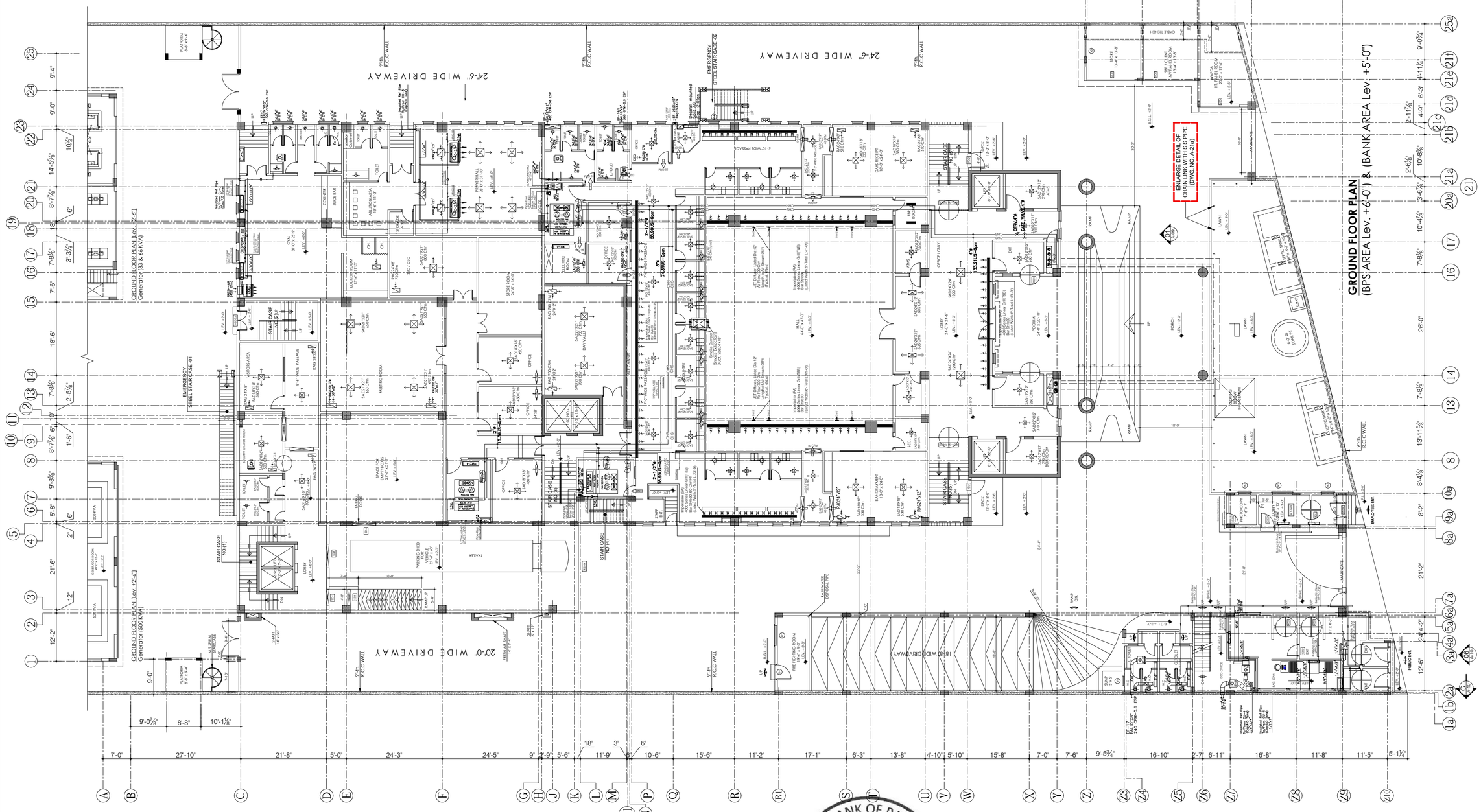
TITLE: HVAC System Ducting System Layout for First Floor.		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	**AC-8**



ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT SBP BLC HQK

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**	**ESS-I-AAR** PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608 PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com	TITLE: HVAC System Ducting & Cooling Water System For Roof Floor.	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
		Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED / CHKD. BY ZEESHAN / JOB NO.	**AC-09**



TENDER DRAWING

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CO. — ESS.I.AAR, 314, Mashriq Centre, S.S Sulaiman Road, Gulshan-e-Iqbal, Karachi

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Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

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PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: HVAC System Chilled Water Piping System Layout for Ground Floor.	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN / JOB NO.

AC-10

MEZZANINE FLOOR PLAN
(Lev. +16'-0" & Lev. +16'-6")

TENDER DRAWING

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

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STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT SBP BSC HOK PROJECT MANAGEMENT DIVISION

TITLE: HVAC System Chilled Water Piping System Layout for Mezzanine Floor.		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	AC-11

FIRST FLOOR PLAN
(Lev. +27'-0")

TENDER DRAWING

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

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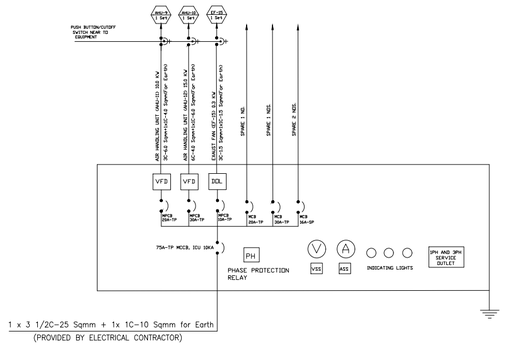
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal KARACHI

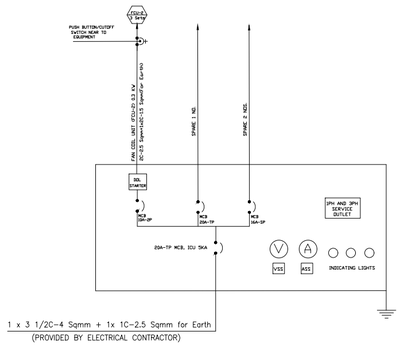
STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ENGINEERING DEPARTMENT SBP BSC HOK

TITLE: HVAC System Chilled Water Piping System Layout For First Floor.		DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO. AC-12



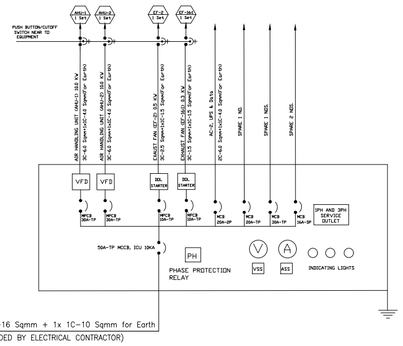
1 x 3 1/2C-25 Sqmm + 1x 1C-10 Sqmm for Earth
(PROVIDED BY ELECTRICAL CONTRACTOR)

MOTOR CONTROL CENTRE MCC-1
FOR 2ND BASEMENT.
(INSTALLED AT AHU ROOM)



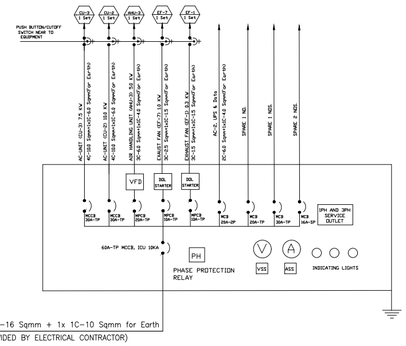
1 x 3 1/2C-4 Sqmm + 1x 1C-2.5 Sqmm for Earth
(PROVIDED BY ELECTRICAL CONTRACTOR)

MOTOR CONTROL CENTRE MCC-2
FOR 1ST BASEMENT
(INSTALLED AT ENG-ROOM)



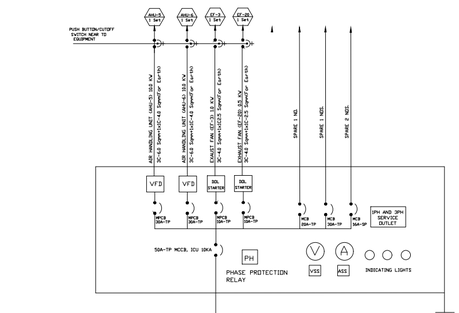
1 x 3 1/2C-16 Sqmm + 1x 1C-10 Sqmm for Earth
(PROVIDED BY ELECTRICAL CONTRACTOR)

MOTOR CONTROL CENTRE MCC-3
FOR GROUND FLOOR
(INSTALLED AT ELECTRIC-ROOM)



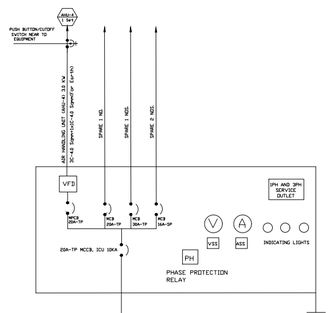
1 x 3 1/2C-16 Sqmm + 1x 1C-10 Sqmm for Earth
(PROVIDED BY ELECTRICAL CONTRACTOR)

MOTOR CONTROL CENTRE MCC-4
FOR GROUND FLOOR
(INSTALLED AT ELECTRIC-ROOM)



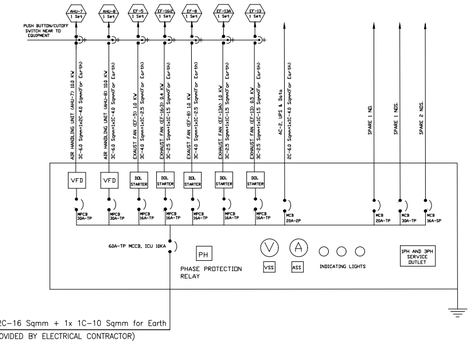
1 x 3 1/2C-16 Sqmm + 1x 1C-10 Sqmm for Earth
(PROVIDED BY ELECTRICAL CONTRACTOR)

MOTOR CONTROL CENTRE MCC-5
FOR MEZZANINE FLOOR
(INSTALLED AT ELECTRIC-ROOM)



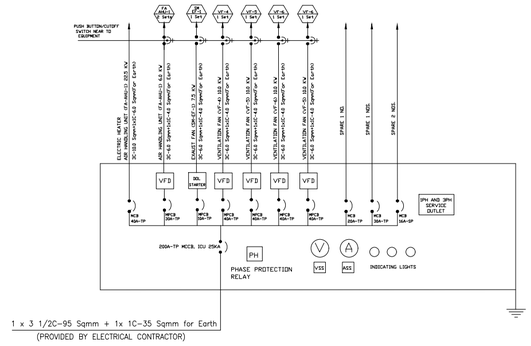
1 x 3 1/2C-6 Sqmm + 1x 1C-4 Sqmm for Earth
(PROVIDED BY ELECTRICAL CONTRACTOR)

MOTOR CONTROL CENTRE MCC-6
FOR MEZZANINE FLOOR
(INSTALLED AT ELECTRIC-ROOM)



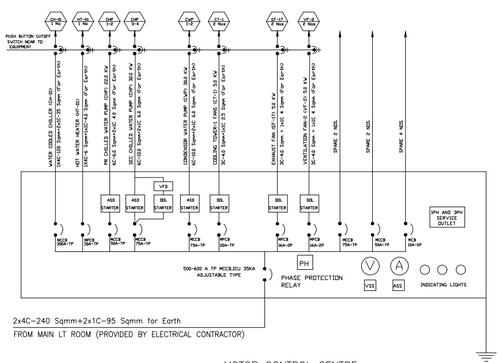
1 x 3 1/2C-16 Sqmm + 1x 1C-10 Sqmm for Earth
(PROVIDED BY ELECTRICAL CONTRACTOR)

MOTOR CONTROL CENTRE MCC-7
FOR FIRST FLOOR
(INSTALLED AT ELECTRIC-ROOM)



1 x 3 1/2C-95 Sqmm + 1x 1C-35 Sqmm for Earth
(PROVIDED BY ELECTRICAL CONTRACTOR)

MOTOR CONTROL CENTRE MCC-8
FOR ROOF.
(INSTALLED AT ROOF)



MOTOR CONTROL CENTRE
FOR CENTRAL HVAC PLANT ROOM

TENDER DRAWING

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**	ESS-I-AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608 PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com	TITLE: HVAC System Motor Control Center Schematic	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
		Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED / CHKD. BY ZEESHAN / JOB NO.	**AC-13**

2nd. BASEMENT
(MECHANICAL Lev. -14'-0") & (VAULT Lev. -18'-0")

RAMP GOING UP BASEMENT PARKING Lev.-7'-0"

STAIR CASE NO.(5)

STAIR CASE NO.(6)

STAIR CASE NO.(8)

STAIR CASE NO.(9)

LIFT NO.(1) PASSENGER CAP. 1500 LBS

LIFT NO.(2) PASSENGER CAP. 1500 LBS

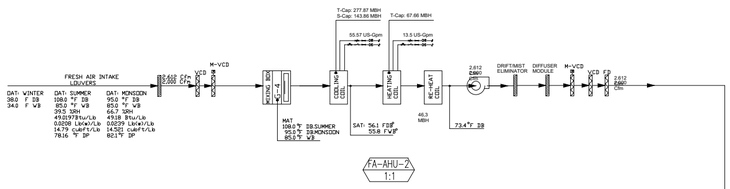
LIFT NO.(3) PASSENGER CAP. 1500 LBS

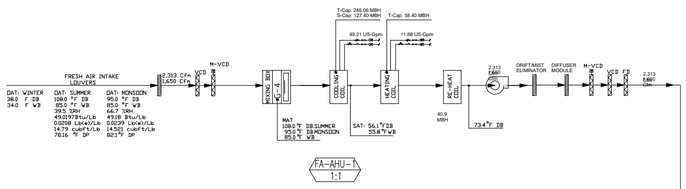
LIFT NO.(4) PASSENGER CAP. 1500 LBS

LIFT NO.(5) PASSENGER CAP. 1500 LBS

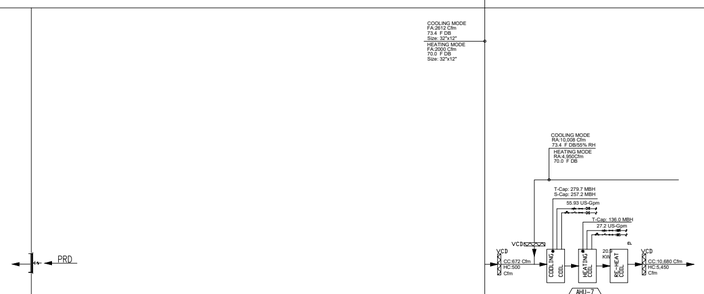
LIFT NO.(6) PASSENGER CAP. 1500 LBS

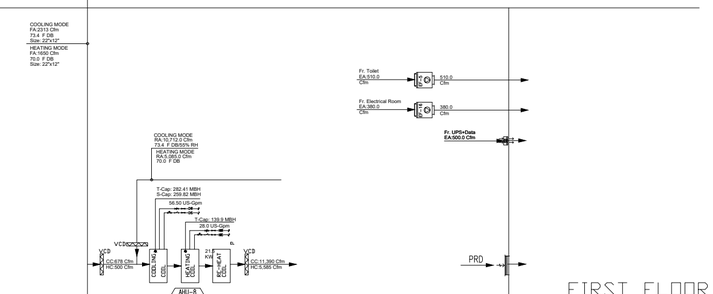
LIFT



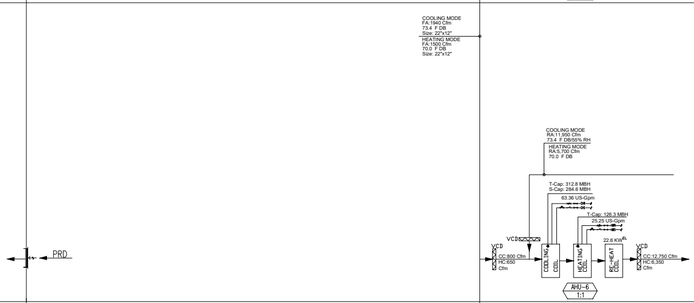


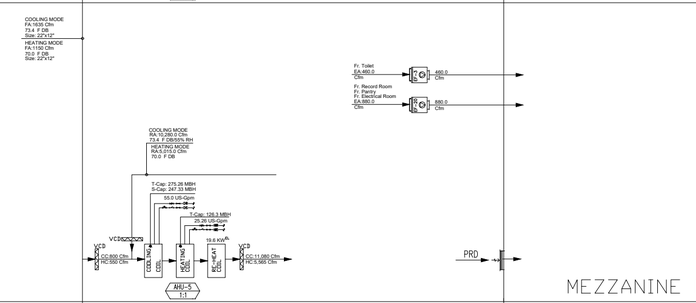
ROOF



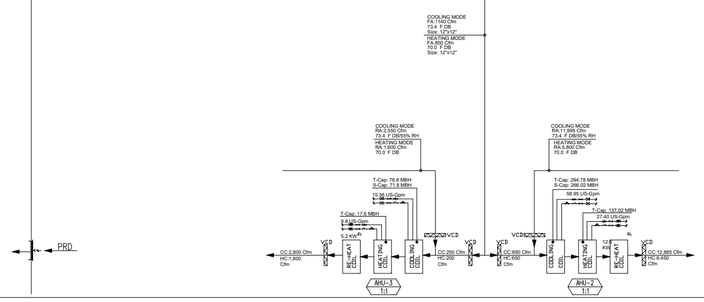


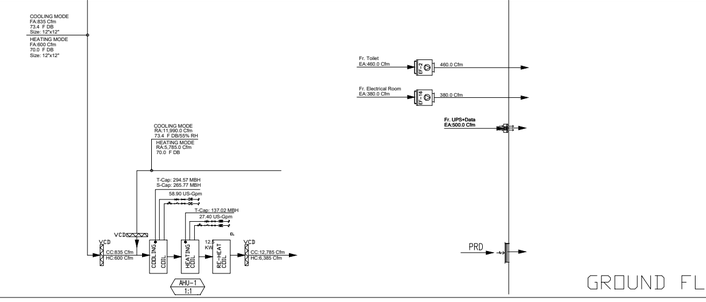
FIRST FLOOR





MEZZANINE FLOOR





GROUND FLOOR

TENDER DRAWING

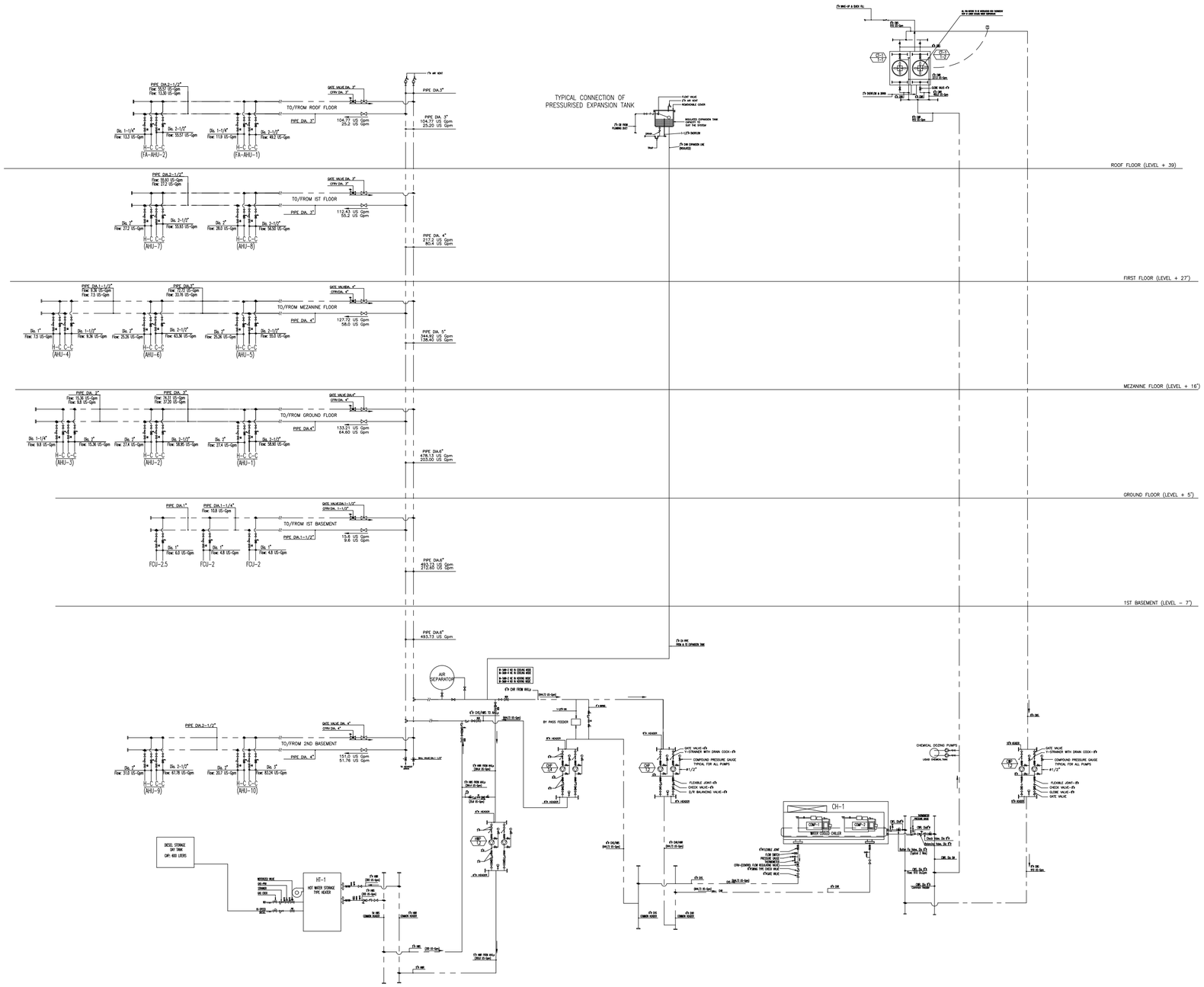
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
PLANNING & MANAGEMENT

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT SBP BSC HDK

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: HVAC System Fresh Air Riser Diagram		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	AC-15

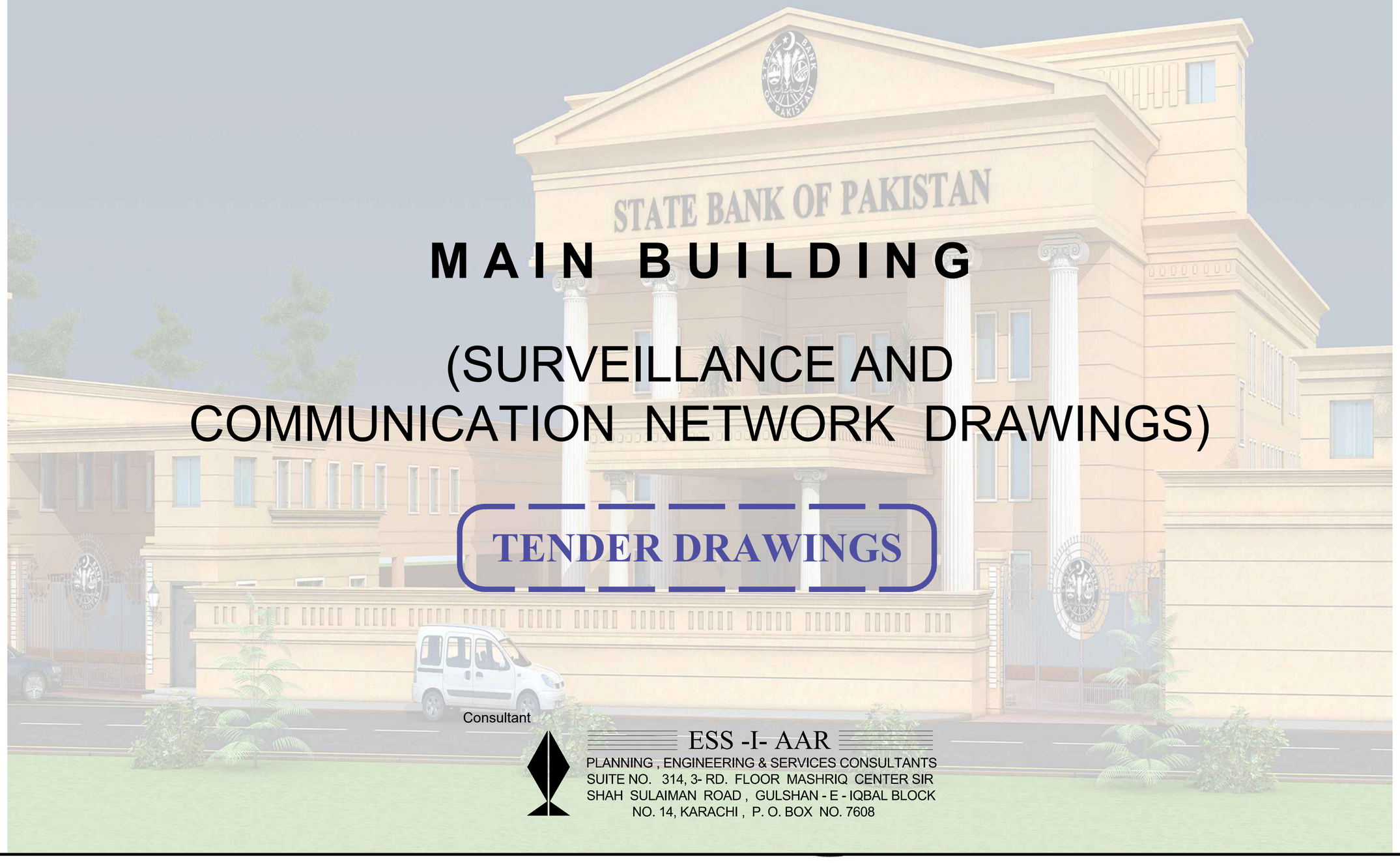


TENDER DRAWING

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**	ESS-I-AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608 PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com	TITLE: HVAC System Chilled Water & Cooling Water Flow Schematic	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC	
		Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO. **AC-16**

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

(SURVEILLANCE AND COMMUNICATION NETWORK DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

Client

STATE BANK OF PAKISTAN

Job

CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA

MAIN BUILDING

LEGEND:

STRUCTURED CABLING NETWORK

T01	ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR TELEPHONE, FLUSHED IN WALL
T02	TWO PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR TELEPHONE/INTERNET, FLUSHED IN WALL
P T02	SHEET STEEL BACK BOX FOR TWO PORT RJ45 CAT6 A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE/INTERNET, FLUSHED IN WALL
T01 F	ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR TELEPHONE/INTERNET FLOOR MOUNTED
T02 F	TWO PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR TELEPHONE/INTERNET, FLOOR MOUNTED
T01 WAP	**ONE PORT RJ45 CAT6A TELECOMMUNICATION OUTLET FOR WIRELESS ACCESS POINT, FLUSHED IN WALL**
P WAP T01	**SHEET STEEL BACK BOX FOR ONE PORT CAT6 A UTP RJ45 TELECOMMUNICATION OUTLET FOR WIRELESS ACCESS POINT,** FLUSHED IN WALL
T01 P/F	**ONE PORT RJ45 CAT6A TELECOMMUNICATION OUTLET FOR PRINTER/FAX, FLUSHED IN WALL**
AC T01	**SHEET STEEL BACK BOX WITH ONE PORT CAT6 A UTP RJ45 TELECOMMUNICATION OUTLET FOR FOR ACCESS CONTROL & TURNSTILE/SECUTIRY GATES WITH POWER OUTLET**
VM T01	**SHEET STEEL BACK BOX FOR ONE PORT CAT6 A UTP RJ45 FLOOR MOUNTED FOR VENDING MACHINE, FLUSHED IN WALL**
PIDS T01 SUS	**SHEET STEEL BACK BOX FOR ONE PORT CAT6 A UTP RJ45 TELECOMMUNICATION OUTLET FOR PUBLIC INFORMATION** DISPLAY SYSTEM, SUSPENDED TYPE.
P	**BULLET CAMERA WITH SHEET STEEL BACK BOX AND PLASTIC COVER PLATE ALONG WITH POWER OUTLET**
IP65 RATED P	IP PTZ DOME CAMERA WITH SHEET STEEL BACK BOX AND WASHER, WIPER, HEATER & SUNSHIELD (WEATHER PROOF TYPE)
P	DOME CAMERA WITH SHEET STEEL BACK BOX AND **ALONG WITH POWER OUTLET**
P	FISH EYE DOME CAMERA WITH SHEET STEEL BACK BOX FOR
P	IP ANPR CAMERA WITH SHEET STEEL BACK BOX AND **ALONG WITH POWER OUTLET**
DR	DATA RACK WITH POWER OUTLET
P	SHEET STEEL BACK BOX FOR CABINET/COLUMN SPEAKER
P	PROVISION FOR INSTALLING MIXER/POWER AMPLIFIER
GPON	**SHEET STEEL BACK BOX WITH PLASTIC COVER PLATE FOR INSTALLATION OF FIBER OPTIC WALL OUTLET**
TJB–XX	**TELEPHONE JUNCTION BOX, "XX" REPRESENT BUILDING No.**
BD–AB	BUILDING DISTRIBUTOR (BD)–"XX" INDICATES ADMINISTRATION BUILDING
HH–C	RCC HAND HOLE OF SIZE 600mm (L) X 600mm (W) X 600mm (D) WITH MEDIUM DUTY C.I COVER SIZE 450mm X 450mm INCLUDING ALL CIVIL WORKS
PB	**APPROPRIATE SIZE PULL BOX FOR ACCOMMODATING NO. OF PVC** CLASS "D" PIPE AS SHOWN ON DRAWING
	25mm DIA CLASS 'D' UPVC PIPE CONCEALED IN WALL/COLUMN/BEAM VERTICAL
	25mm DIA CLASS 'D' PVC PIPE HANGING IN ROOF SLAB UNDER FALSE–CEILING
	25mm DIA CLASS 'D' PVC PIPE CONCEALED IN ROOF SLAB

CATV SYSTEM

	TV OUTLET, FLUSHED IN WALL
	TV OUTLET, MOUNT FROM CEILING
	8–WAY SPLITTER

CABLE SCHEDULE

(A)	4 PAIR CAT6A UTP LSZH CABLE.
(B)	0.6mm DIA 20 PAIR TELEPHONE BACKBONE CABLE.
(C)	6 CORE SINGLE MODE OPTICAL FIBRE, ARMORED
(D)	24 CORE SINGLE MODE OPTICAL FIBRE, ARMORED
(E)	RG–6 CO–AXIAL CABLE

PIPE SCHEDULE

(F)	50mm DIA CLASS 'D' UPVC PIPE

IDENTIFICATION SCHEDULE

BD–AB
- ADMIN BUILDING
- BUILDING DISTRIBUTOR

TJB–GR
- GUARD ROOM
- TELEPHONE JUNCTION BOX

TJB–B1,B1
- BUILDING–1 BASEMENT–1
- TELEPHONE JUNCTION BOX

TJB–AB
- ADMINISTRATION BUILDING
- TELEPHONE JUNCTION BOX

GENERAL NOTES:

1– CO–ORDINATE AT SITE WITH OTHER SERVICES FOR EXACT LOCATION, POSITION OF CONDUITS AND COMMUNICATION / FIELD DEVICES.

2– ALL COMMUNICATION DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS, BOQ, ARCHITECTURE, STRUCTURE, HVAC, PLUMBING, ELECTRICAL DRAWINGS AND ALL OTHER RELEVANT DETAILS.

3– DIMENSIONS/MEASUREMENTS GIVEN IN LAYOUTS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATE ACTUAL DIMENSIONS/MEASUREMENTS ACCORDING TO STRUCTURE AND ARCHITECTURE DRAWINGS.

4– WHERE CABLES ENTER BUILDINGS, THESE SHALL BE LAID IN PROTECTIVE PIPES. HAND HOLE SHALL BE PROVIDED OUTSIDE THE BUILDING.

5– ALL UNDERGROUND PIPES SHALL BE LAID MINIMUM 16 INCH BELOW THE TOP OF PAVEMENT THE DEPTH MAY BE INCREASED / DECREASED DUE TO THE SITE CONDITIONS AFTER OBTAINING ENGINEERS APPROVAL

6– ALL UNDERGROUND PIPES & HANDHOLDS SHALL BE PROPERLY SEALED WATER TIGHT AT ENDS/JOINTS AFTER INSTALLATION.

7– SPARE PIPES SHALL HAVE THEIR ENDS PROPERLY PLUGGED WITH CAP AND MADE WATER TIGHT. BOTH ENDS OF PIPES SHALL BE MARKED BY PIPE END MARKERS FOR IDENTIFICATION.

8– MANUFACTURER'S RECOMMENDATION SHALL BE FOLLOWED FOR INSTALLATION OF ALL COMMUNICATION SYSTEMS.

9– THE CONTRACTOR SHALL TAKE THE RESPONSIBILITIES OF GENERAL INTEGRATOR FOR ALL THE SUB–SYSTEMS AND EQUIPMENT WITHIN THE SCOPE OF WORK INCLUDING INTERFACES WITH OTHER SYSTEMS.

10– MOUNTING HEIGHT OF FOLLOWING DEVICES SHALL BE INSTALLED AT THE INDICATED HEIGHT FROM FINISHED FLOOR LEVEL (F.F.L) TO THE BOTTOM OF DEVICE UNLESS OTHERWISE MENTIONED OR INSTRUCTED:

- TELECOMMUNICATION OUTLET FOR TELEPHONE/INTERNET/PRINTER/FAX---- 250mm
- SHEET STEEL BACK BOX FOR GPON---------- 2200mm
- TELEPHONE JUNCTION BOX (TJB)---------- 1400mm
- ADDRESSABLE FIRE ALARM CONTROL PANEL---------- 1400mm
- ADDRESSABLE MANUAL CALL POINT---------- 1400mm
- ADDRESSABLE SOUNDER---------- 2200mm
- OUTLET FOR IP CAMERA---------- 2200mm
- TV OUTLET---------- 2200mm
- TAPP–OFF---------- 300mm BELOW CEILING/FALSE CEILING
- MICROPHONE OUTLET---------- 250mm
- CABINET SPEAKER.----------2200mm

11– COLOUR OF FACE PLATE OF TELECOM SOCKET OUTLETS SHALL MATCH WITH ELECTRICAL SOCKET OUTLET

12– ANY SINGLE CONDUIT RUN EXTENDING FROM A TELECOMMUNICATION CLOSET SHALL NOT SERVE MORE THAN THREE OUTLET BOXES

13– DETECTORS SHALL BE INSTALLED 300mm AWAY FROM ANY PART OF ANY LIGHT FIXTURE

14– WHERE MANUAL CALL POINT AND SOUNDER ARE SHOWN SIDE BY SIDE THEY SHALL BE INSTALLED IN SAME VERTICAL LINE.

15– SCOPE OF WORK FOR STATIONS INCLUDES INSTALLATION OF CONDUITS / PIPE WITH PULL WIRE AND OUTLET BOXES FOR IT AND CCTV SYSTEM. ALL ACTIVE EQUIPMENT RELATED TO IT AND CCTV SHALL BE INSTALLED BY OTHERS.

16– LOCATION, POSITION OF IT DEVICE ARE TENTATIVE, CONTRACTOR TO CO–ORDINATE WITH IT SUPPLIER FOR EXACT LOCATION/ POSITION OF ITS DEVICES

17– EN 50174–2 RECOMMENDATIONS SHALL BE FOLLOWED FOR SEPARATION DISTANCE BETWEEN POWER AND VOICE/DATA CABLES IN GIVEN BELOW TABLE.

TYPE OF INSTALLATION	MINIMUM SEPARATION DISTANCE (mm.)		
	WITHOUT METALLIC DIVIDER	WITH METALLIC DIVIDER	WITH STEEL DIVIDER
UNSCREENED POWER CABLE AND UNSCREENED COMMUNICATION CABLE	200	100	50
UNSCREENED POWER CABLE AND SCREENED COMMUNICATION CABLE	50	20	5

18– CONDUIT SHALL BE SIZED ACCORDING TO CLAUSE 4.4.2.4 OF EIA/TIA 569 STANDARD AS GIVEN BELOW.

CONDUIT TRADE SIZE		CONDUIT SIZING MAX.NUMBER OF CABLES BASED UPON ALLOWABLE FILL									
		CABLE OUTSIDE DIAMETER,mm (in)									
		3.3	4.6	5.6	6.1	7.4	7.9	9.4	13.5	15.8	17.8
mm.	inch	(.13)	(.18)	(.22)	(.24)	(.29)	(.31)	(.37)	(.53)	(.62)	(.70)
16	(1/2)	1		0	0	0	0	0	0	0	0
21	(3/4)	6	1	4	3	2	2	1	0	0	0
27	(1)	8	5	7	6	3	3	2	1	0	0
35	1 (1/4)	16	14	12	10	6	4	3	1	1	1
41	1 (1/2)	20	18	16	15	7	6	4	2	1	1
53	(2)	30	26	22	20	14	12	7	4	3	2
63	1 (2/2)	45	40	36	30	17	14	12	6	3	3
78	(3)	70	60	50	40	20	20	17	7	6	6
91	1 (3/2)	—	—	—	—	—	—	22	12	7	6
103	(4)	—	—	—	—	—	—	30	14	12	7

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre 5-S Sulaiman Road, Gulshan-e-Iqbal, Karachi

STATE BANK OF PAKISTAN ENGINEERING MANAGEMENT PROJECT SBP BSC (FOC) HOK

TENDER DRAWING

Consultant

ESS -I- AAR

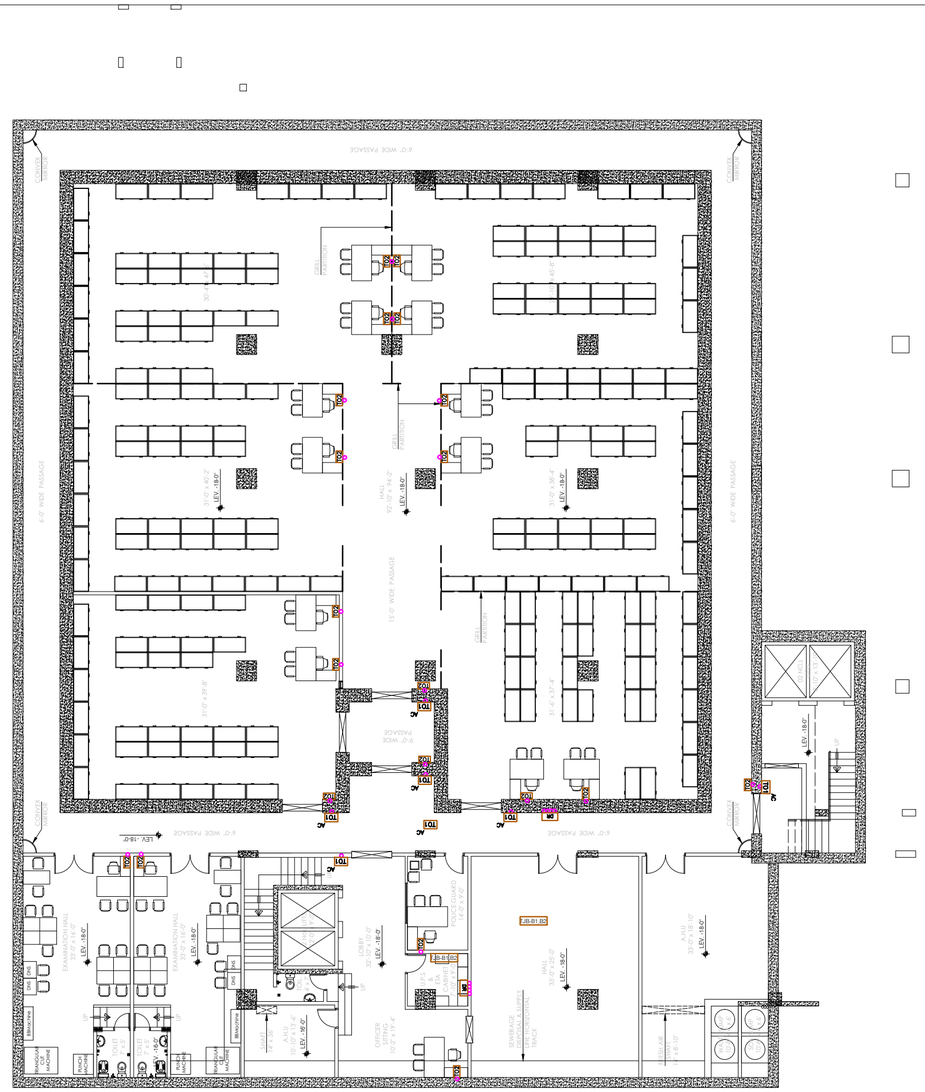
ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3rd FLOOR, MASHRIQ CENTER, SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

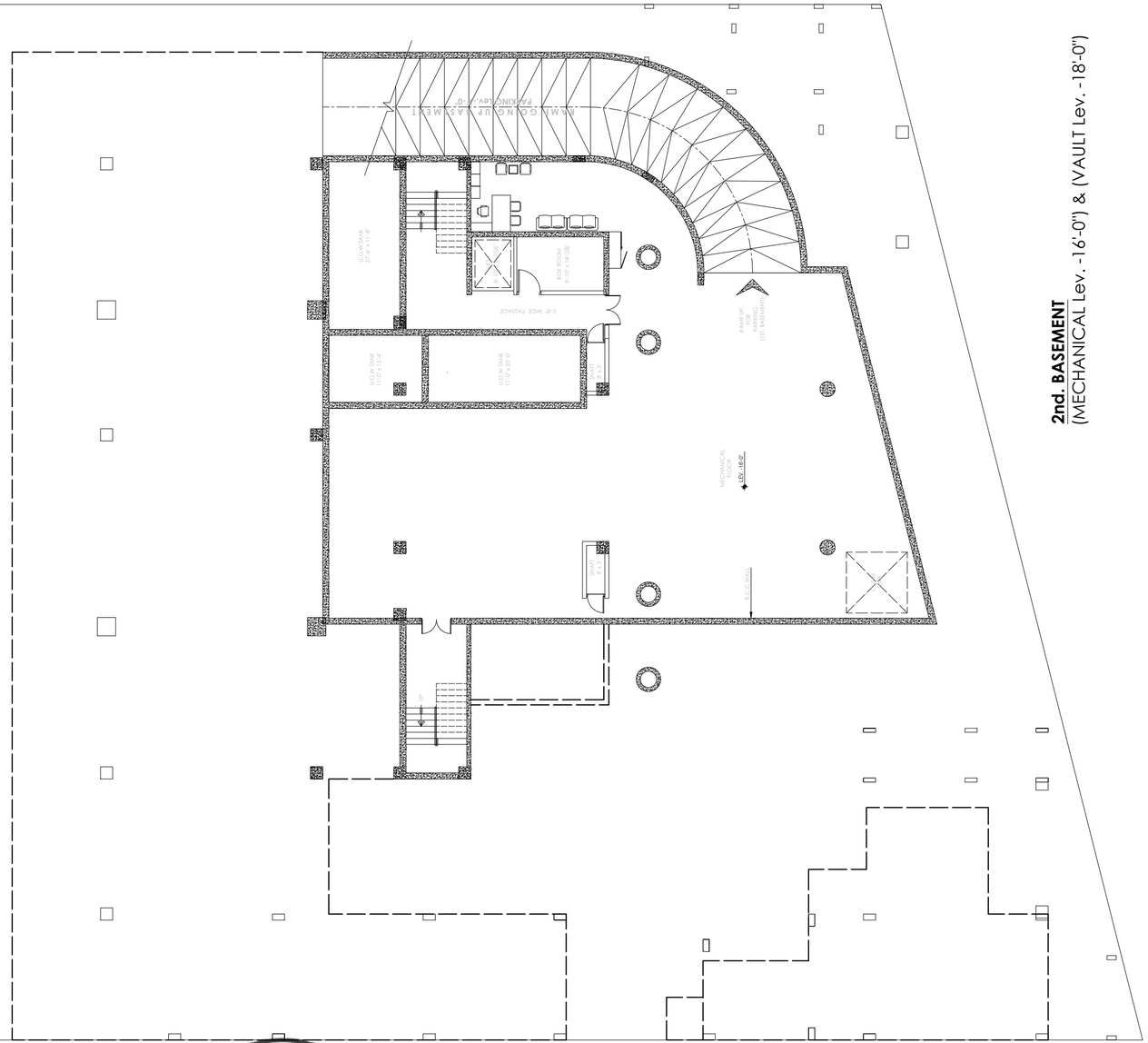
TITLE	(GENERAL NOTES & LEGEND) ICT & CCTV
Ref. Rev.	
SCALE	N.T.S
DATE	28-11-2020
REVS	
DRAWN	GHUFRAN KHIZAR
CHKD. BY	S.GAZDAR
COM. LOCATION.	
JOB NO.	
SHEET REF.	ICT.
	ICT-00

GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: KEY PLAN ICT & CCTV LOCATION	DATE: 28-11-2020	COM. LOCATION. / SHEET REF. ICT.
			Ref. Rev.	SCALE: N.T.S	DRAWN: GHUFRAN KHIZAR / CHKD. BY: S.GAZDAR / JOB NO. / **ICT-01**

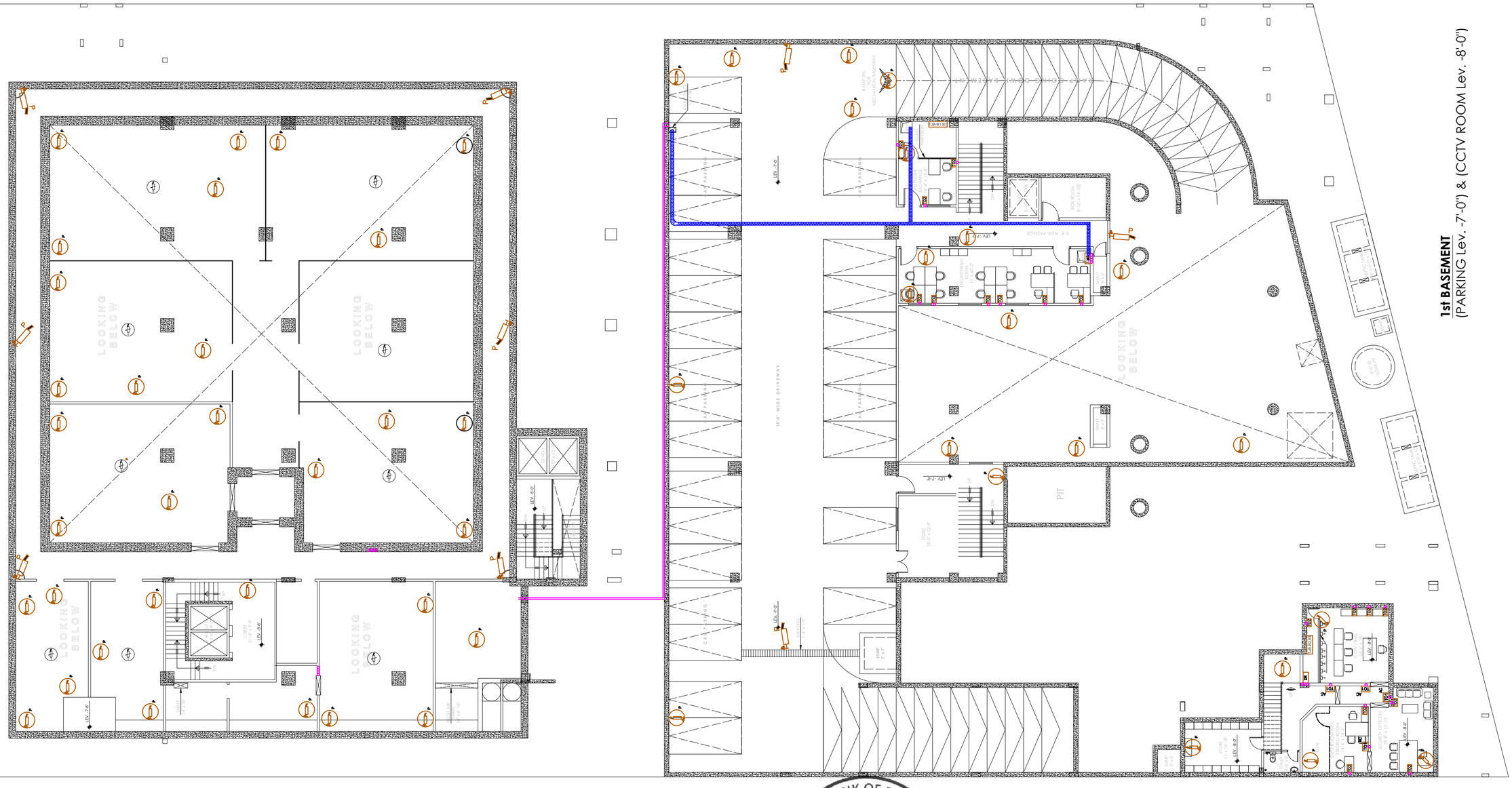




2nd. BASEMENT
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: 2ND. BASEMENT ICT & CCTV LOCATION	DATE: 28-11-2020	COM. LOCATION. / SHEET REF. ICT.
			Ref. Rev.	SCALE: N.T.S	DRAWN: GHUFRAN KHIZAR / CHKD. BY: S.GAZDAR / JOB NO. / **ICT-02**


LOOKING BELOW
LOOKING BELOW
LOOKING BELOW
LOOKING BELOW
PIT
18'-0" WIDE DRIVEWAY
CAR PARKING
CAR PARKING
CAR PARKING
CAR PARKING
CEILING
LIFT
LIFT
LIFT
LIFT
SHAFT
SHAFT
SHAFT
SHAFT
STAIR
STAIR
STAIR
STAIR
LIFT LOBBY
LIFT LOBBY
LIFT LOBBY

GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

TENDER DRAWING

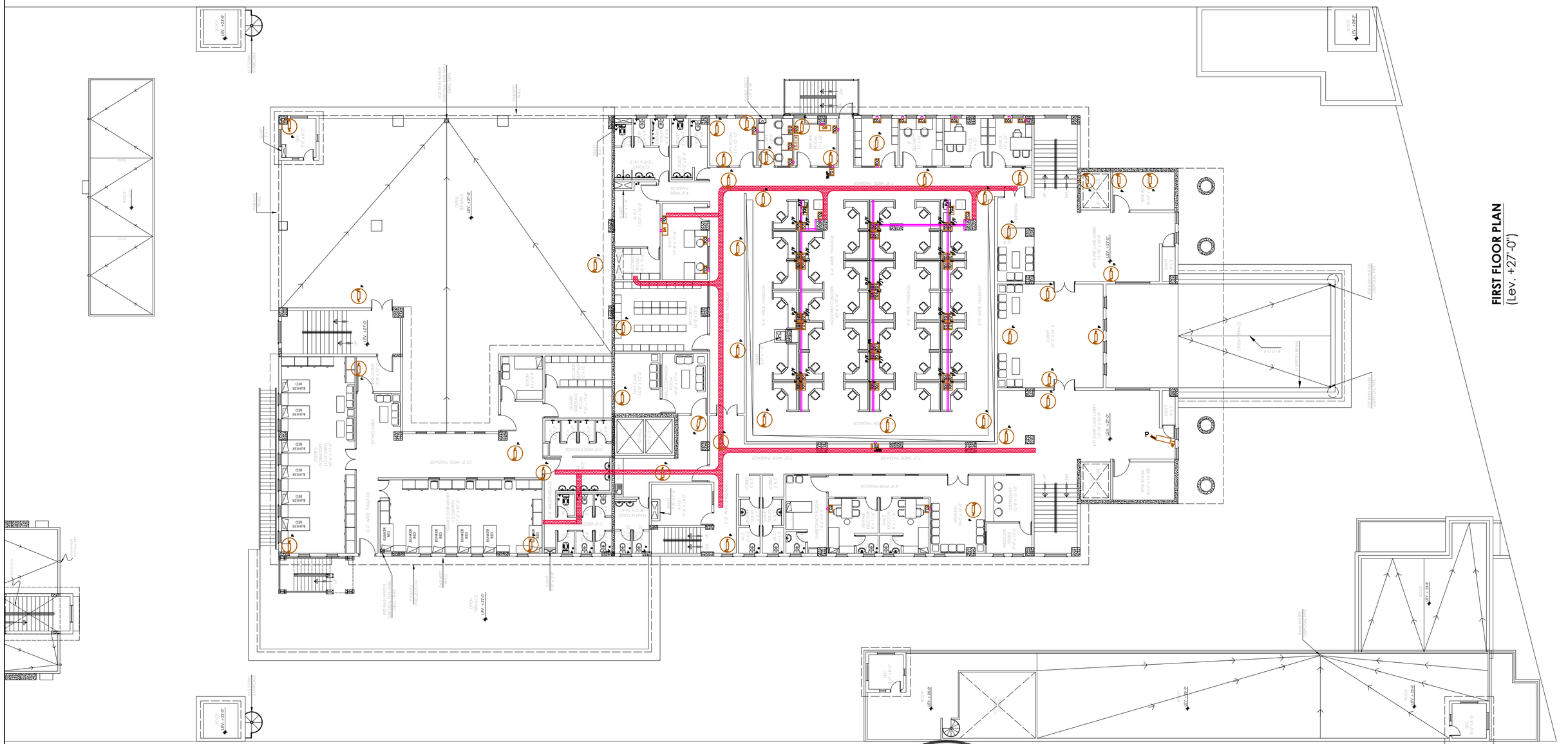
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND FLOOR ICT & CCTV LOCATION	DATE: 28-11-2020 REVS	COM. LOCATION.	SHEET REF. ICT.
			Ref. Rev.	SCALE N.T.S	DRAWN GHUFRAN KHIZAR	CHKD. BY S.GAZDAR	JOB NO.	ICT-04

MEZZANINE FLOOR PLAN
(Lev. +16'-0")

IP65 RATED

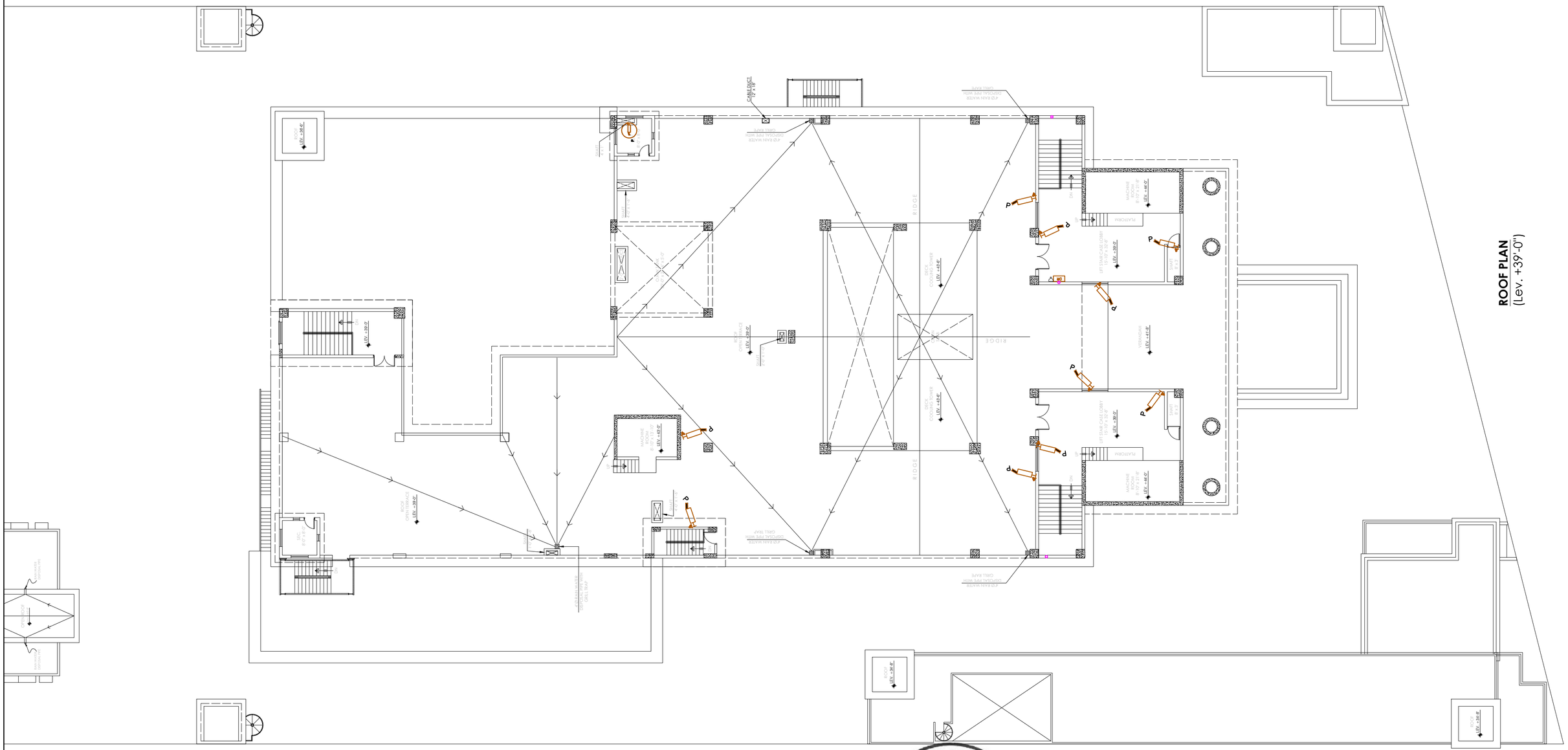
TENDER DRAWING

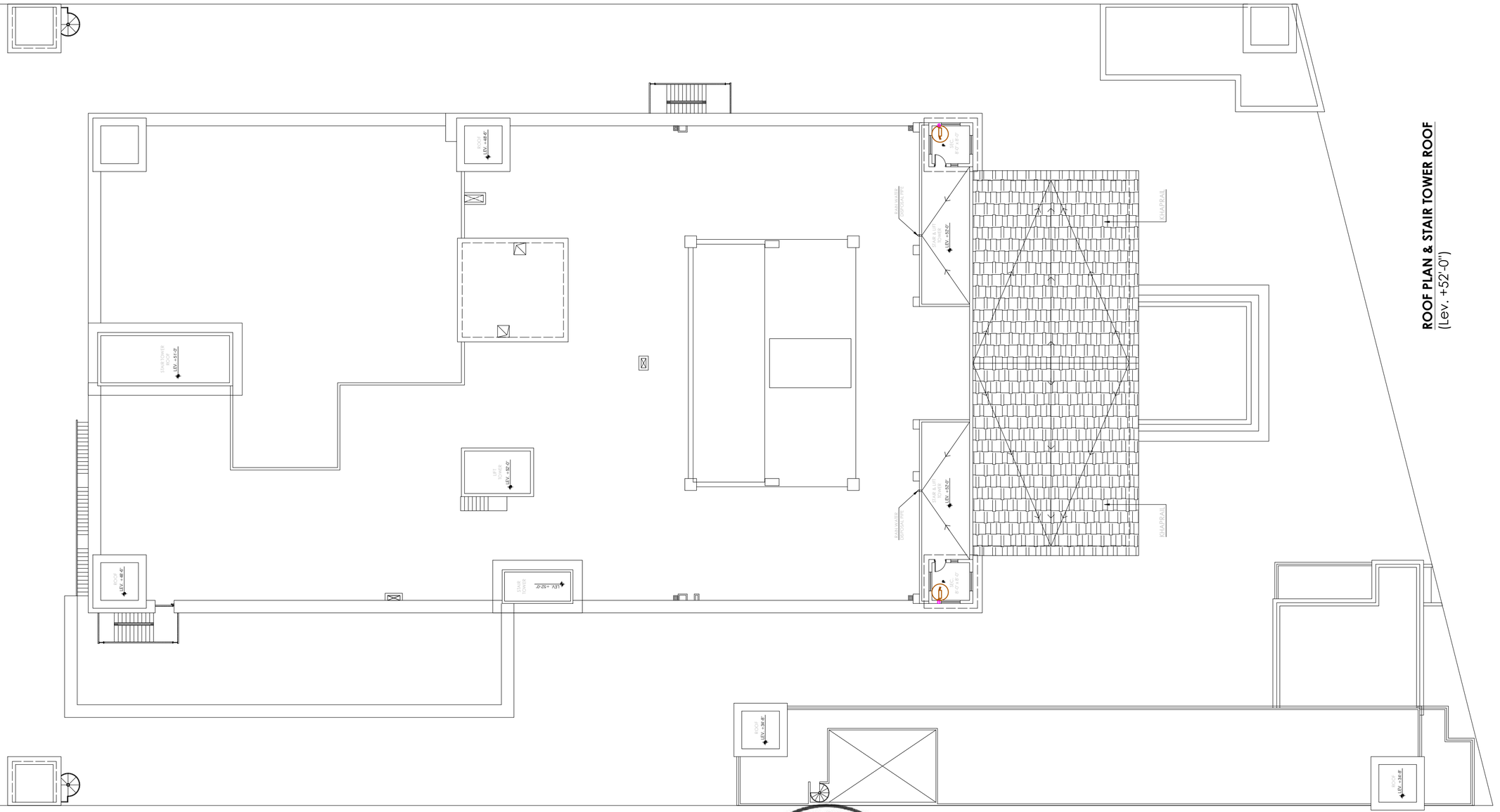
Client	Job	Consultant	TITLE	DATE	COM. LOCATION.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	MEZZANINE FLOOR ICT & CCTV LOCATION	28-11-2020	SHEET REF. ICT.
			Ref. Rev. / SCALE N.T.S	DRAWN GHUFRAN KHIZAR / CHKD. BY S.GAZDAR / JOB NO.	**ICT-05**



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT DIVISION — ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: FIRST FLOOR ICT & CCTV LOCATION	DATE: 28-11-2020	COM. LOCATION. / SHEET REF. ICT.
			Ref. Rev.	SCALE: N.T.S	DRAWN: GHUFRAN KHIZAR / CHKD. BY: S.GAZDAR / JOB NO. / **ICT-06**


ROOF
LEV. +56.4'
CABLE DUCT
12" x 18"
DEPOSAL PIPE WITH
CHECK VALVE
4"Ø RAIN WATER
DEPOSAL PIPE WITH
CHECK VALVE
4"Ø RAIN WATER
DEPOSAL PIPE WITH
CHECK TRAP
4"Ø RAIN WATER
DEPOSAL PIPE WITH
CHECK TRAP
4"Ø RAIN WATER
DEPOSAL PIPE WITH
CHECK VALVE



ROOF PLAN & STAIR TOWER ROOF
(Lev. +52'-0")

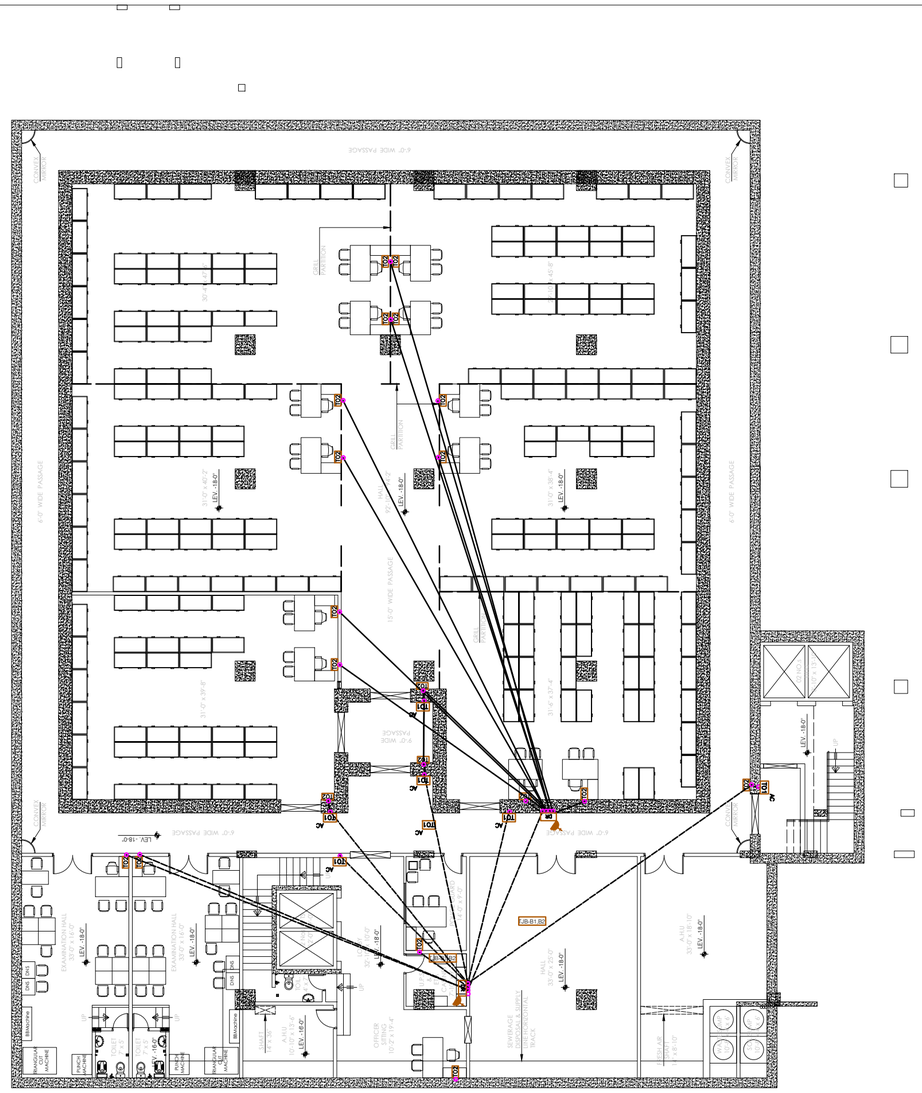
TENDER DRAWING

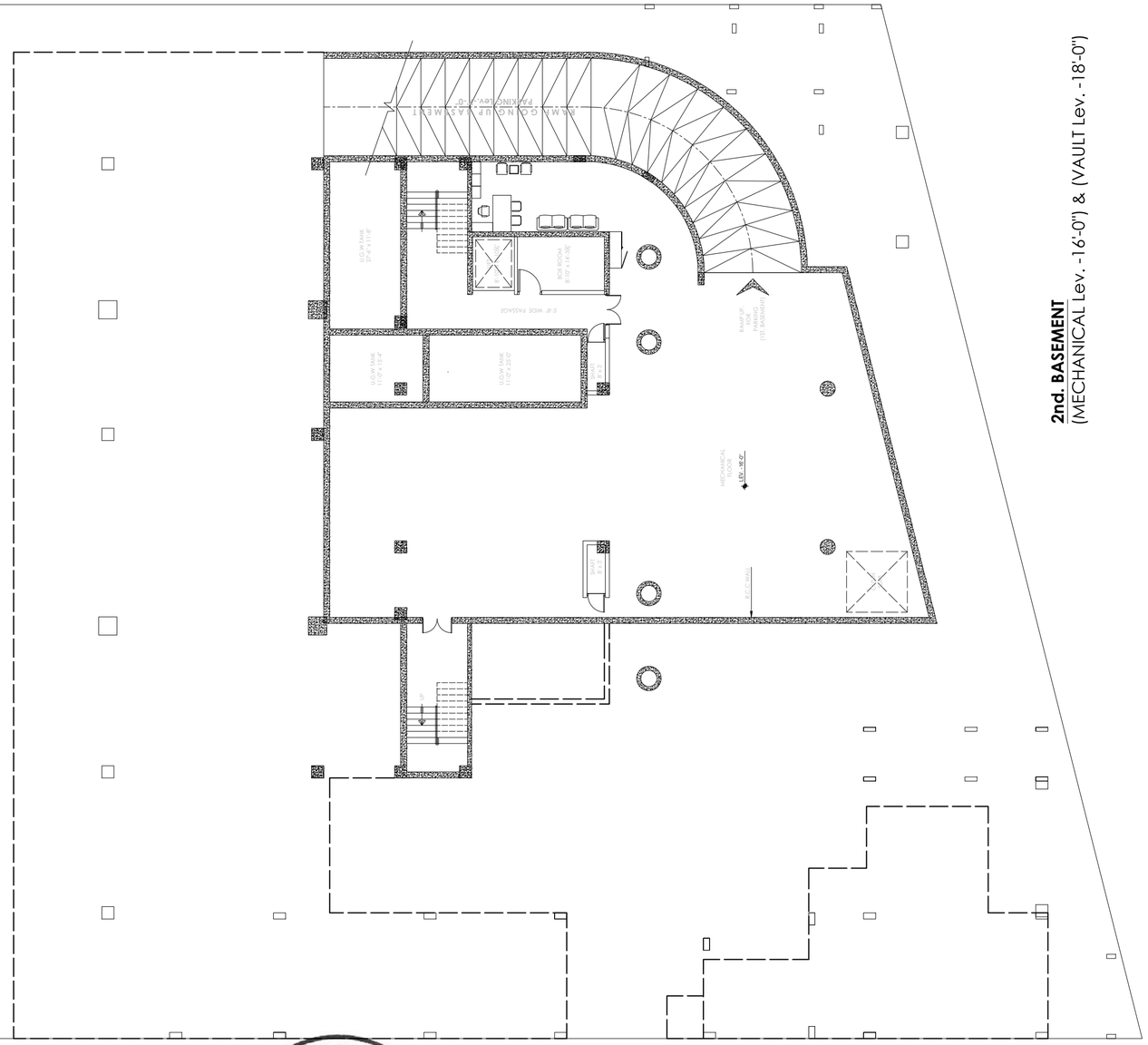
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: STAIR TOWER ROOF ICT & CCTV LOCATION	DATE: 28-11-2020 REVS	COM. LOCATION.	SHEET REF. ICT.
			Ref. Rev.	SCALE: N.T.S	DRAWN: GHUFRAN KHIZAR	CHKD. BY: S.GAZDAR	JOB NO.	**ICT-08**

GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: KEY PLAN (CONDUIT ROUTE DETAIL) ICT & CCTV	DATE: 28-11-2020	COM. LOCATION.	SHEET REF. ICT.
			Ref. Rev.	SCALE: N.T.S	DRAWN: GHUFRAN KHIZAR	CHKD. BY: S.GAZDAR	JOB NO.	**ICT-09**

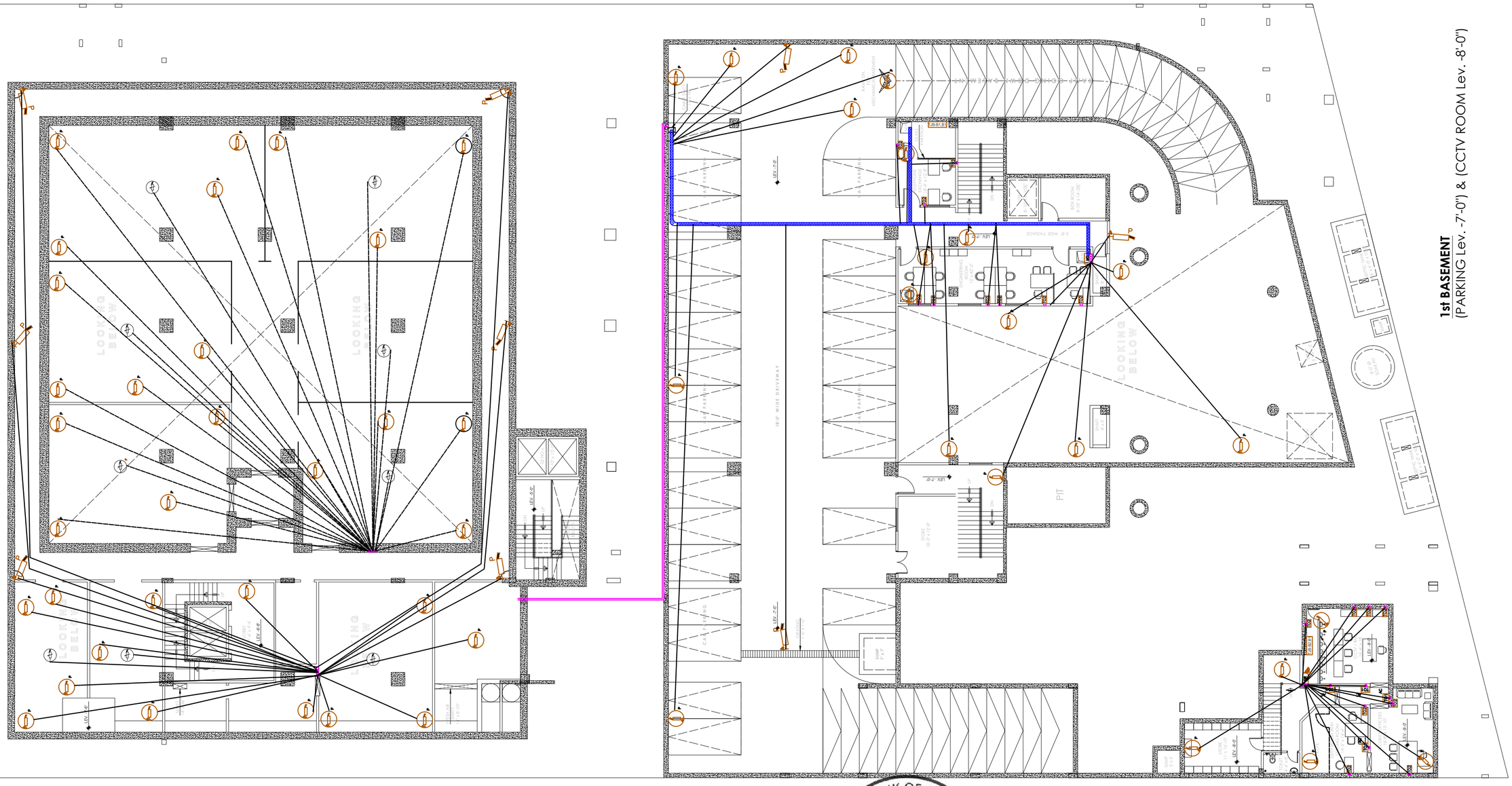




2nd. BASEMENT
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")

TENDER DRAWING

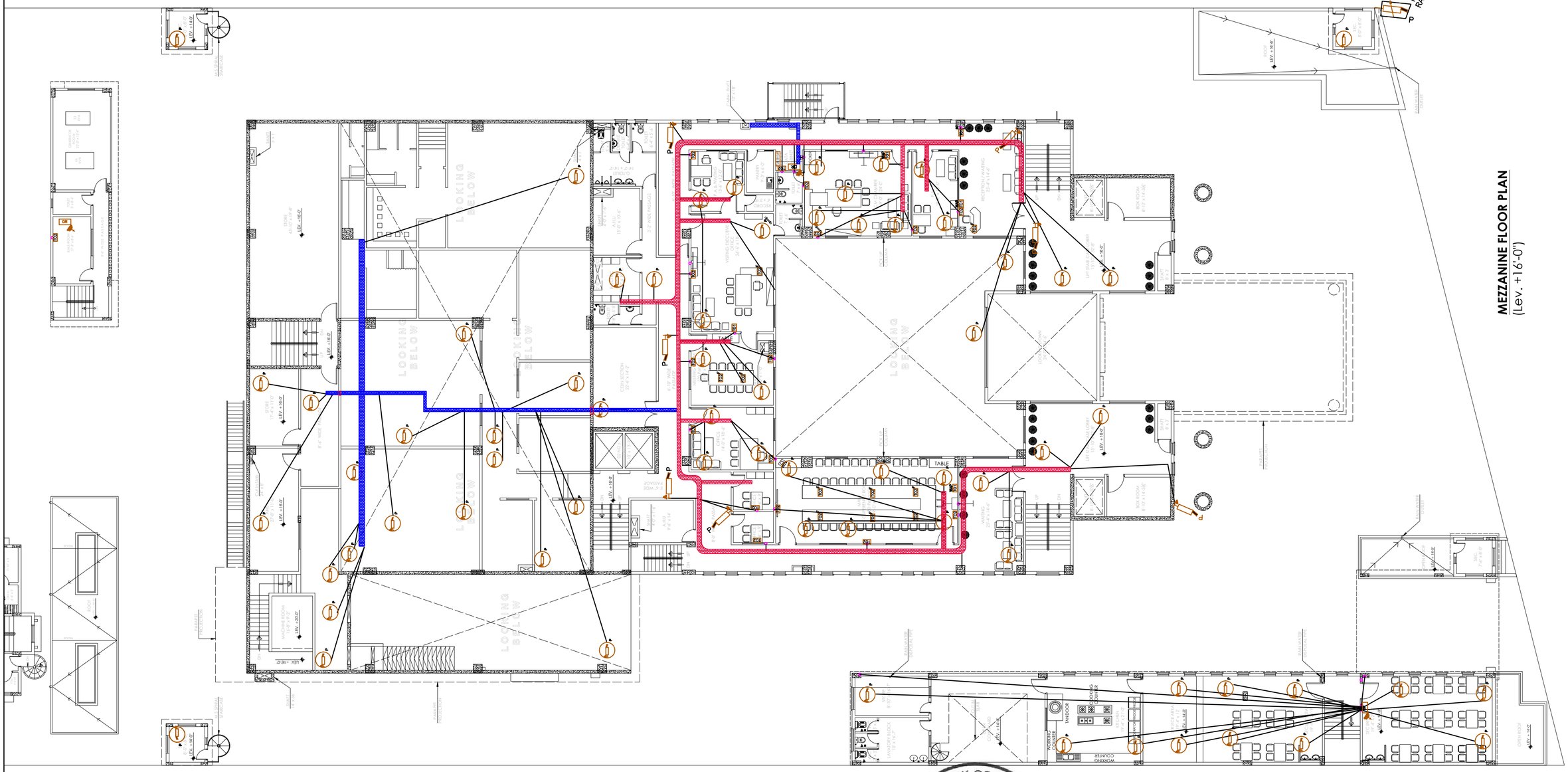
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: 2ND. BASEMENT (CONDUIT ROUTE DETAIL) ICT & CCTV	DATE: 28-11-2020	COM. LOCATION.	SHEET REF. ICT.
			Ref. Rev.	SCALE: N.T.S	DRAWN: GHUFRAN KHIZAR	CHKD. BY: S.GAZDAR	JOB NO.	ICT-10


LOOKING BELOW
LOOKING BELOW
LOOKING BELOW

GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GROUND FLOOR (CONDUIT ROUTE DETAIL) ICT & CCTV	DATE: 28-11-2020	COM. LOCATION. / SHEET REF. ICT.
			Ref. Rev. / SCALE N.T.S	DRAWN GHUFRAN KHIZAR / CHKD. BY S.GAZDAR / JOB NO.	ICT-12



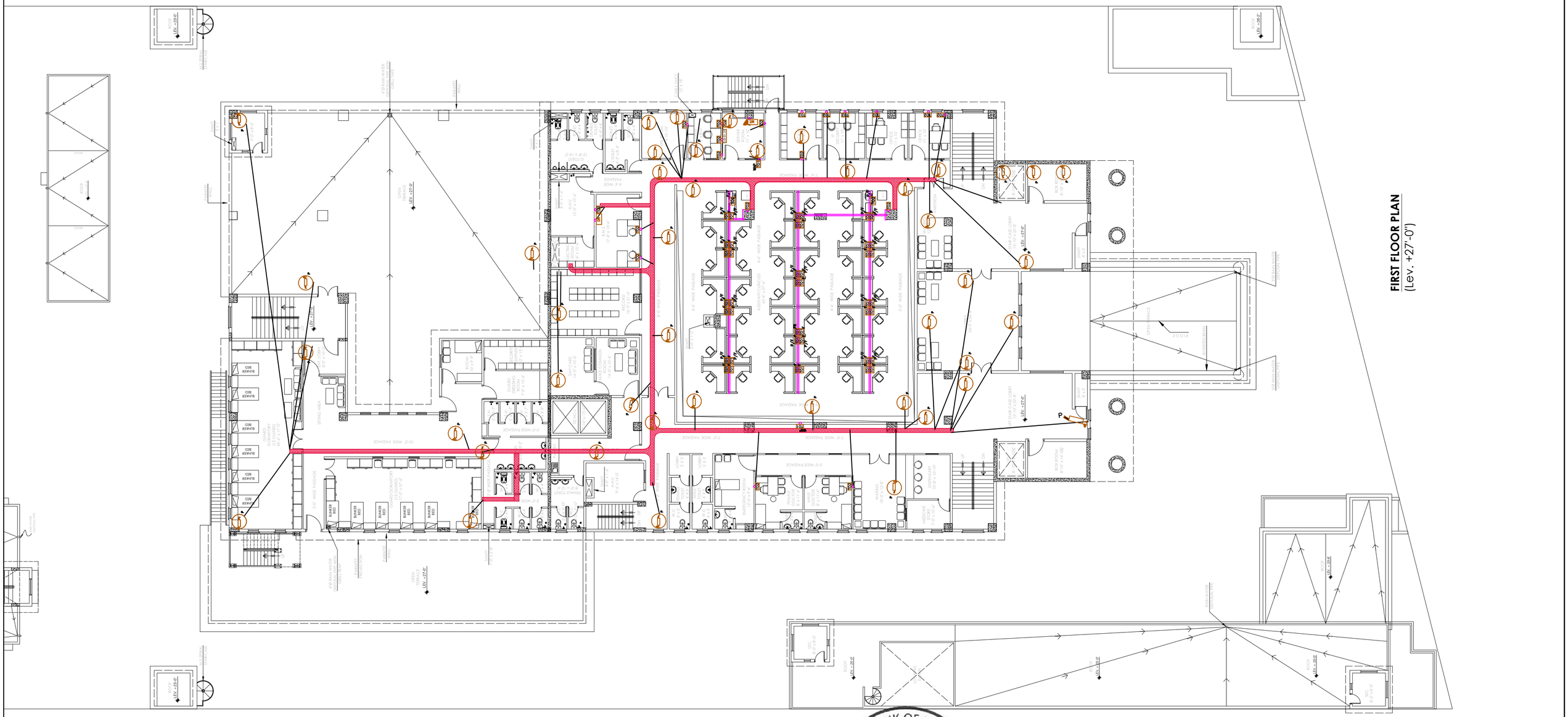
MEZZANINE FLOOR PLAN
(Lev. +16'-0")

Client
STATE BANK OF PAKISTAN

Job
CONSTRUCTION OF S.B.P
NEW OFFICE BUILDING AT GUJRANWALA
MAIN BUILDING

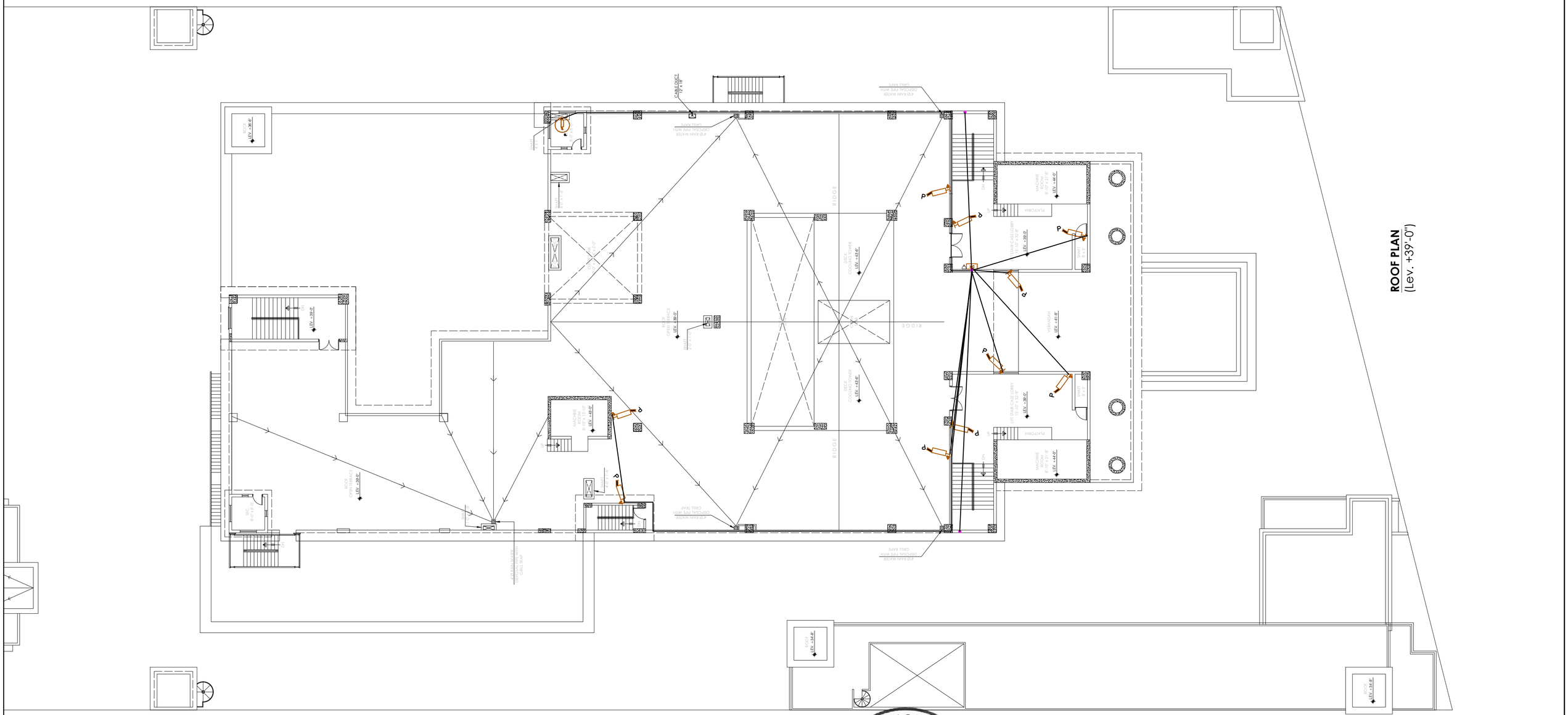
Consultant
ESS -I- AAR
PLANNING, ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608

TITLE: MEZZANINE FLOOR (CONDUIT ROUTE DETAIL) ICT & CCTV		DATE: 28-11-2020	COM. LOCATION.		SHEET REF. ICT.
Ref. Rev.	SCALE: N.T.S	DRAWN: GHUFRAN KHIZAR	CHKD. BY: S.GAZDAR	JOB NO.	ICT-13



TENDER DRAWING

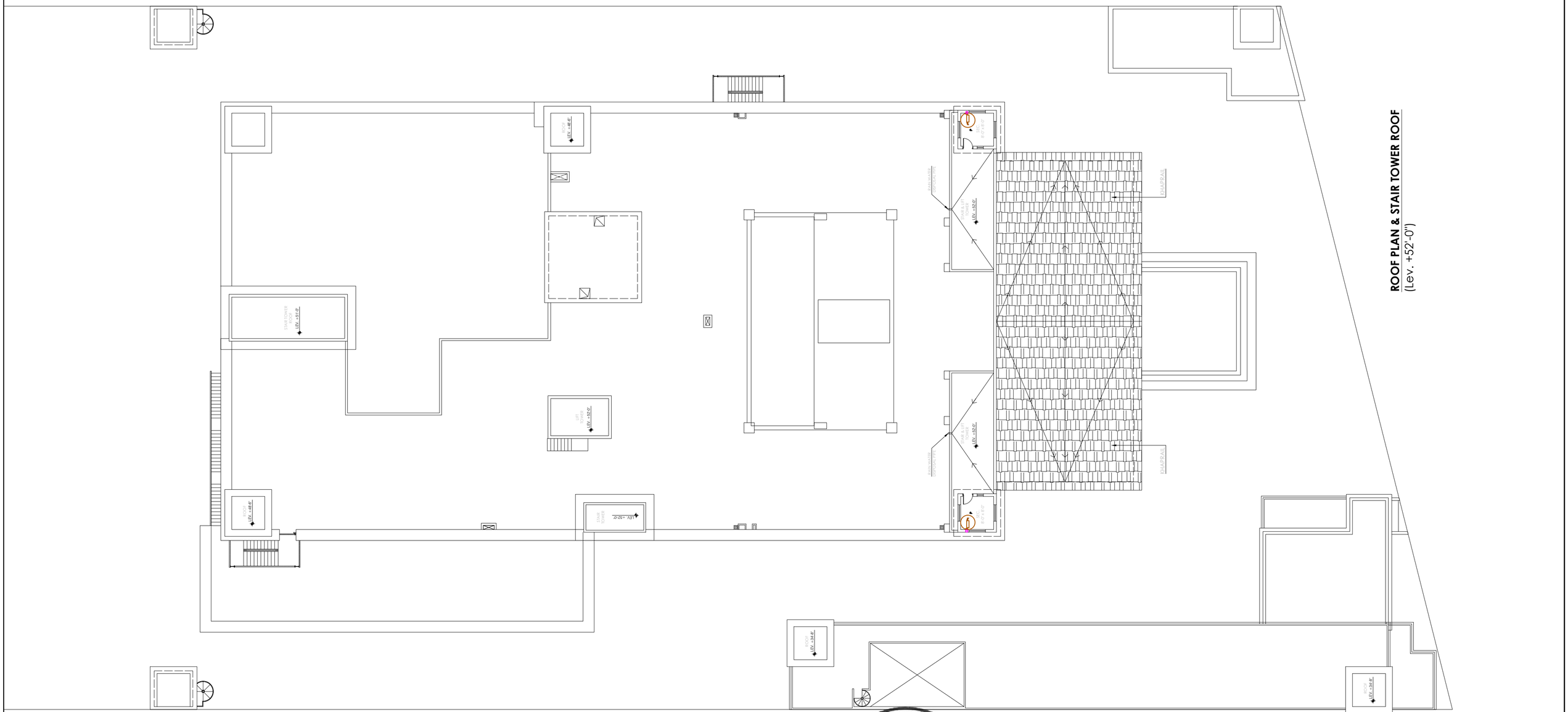
Client	Job	Consultant	TITLE	DATE	COM. LOCATION.		SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	FIRST FLOOR (CONDUIT ROUTE DETAIL) ICT & CCTV	28-11-2020			ICT.
			Ref. Rev.	SCALE N.T.S	DRAWN GHUFRAN KHIZAR	CHKD. BY S.GAZDAR	JOB NO.	ICT-14



ROOF PLAN
(Lev. +39'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: ROOF PLAN (CONDUIT ROUTE DETAIL) ICT & CCTV	DATE: 28-11-2020 REVD	COM. LOCATION.	SHEET REF. ICT.
			Ref. Rev.	SCALE N.T.S	DRAWN GHUFRAN KHIZAR	CHKD. BY S.GAZDAR	JOB NO.	ICT-15



ROOF PLAN & STAIR TOWER ROOF
(Lev. +52'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: STAIR TOWER ROOF (CONDUIT ROUTE DETAIL) ICT & CCTV	DATE: 28-11-2020 REVS	COM. LOCATION. / SHEET REF. ICT.
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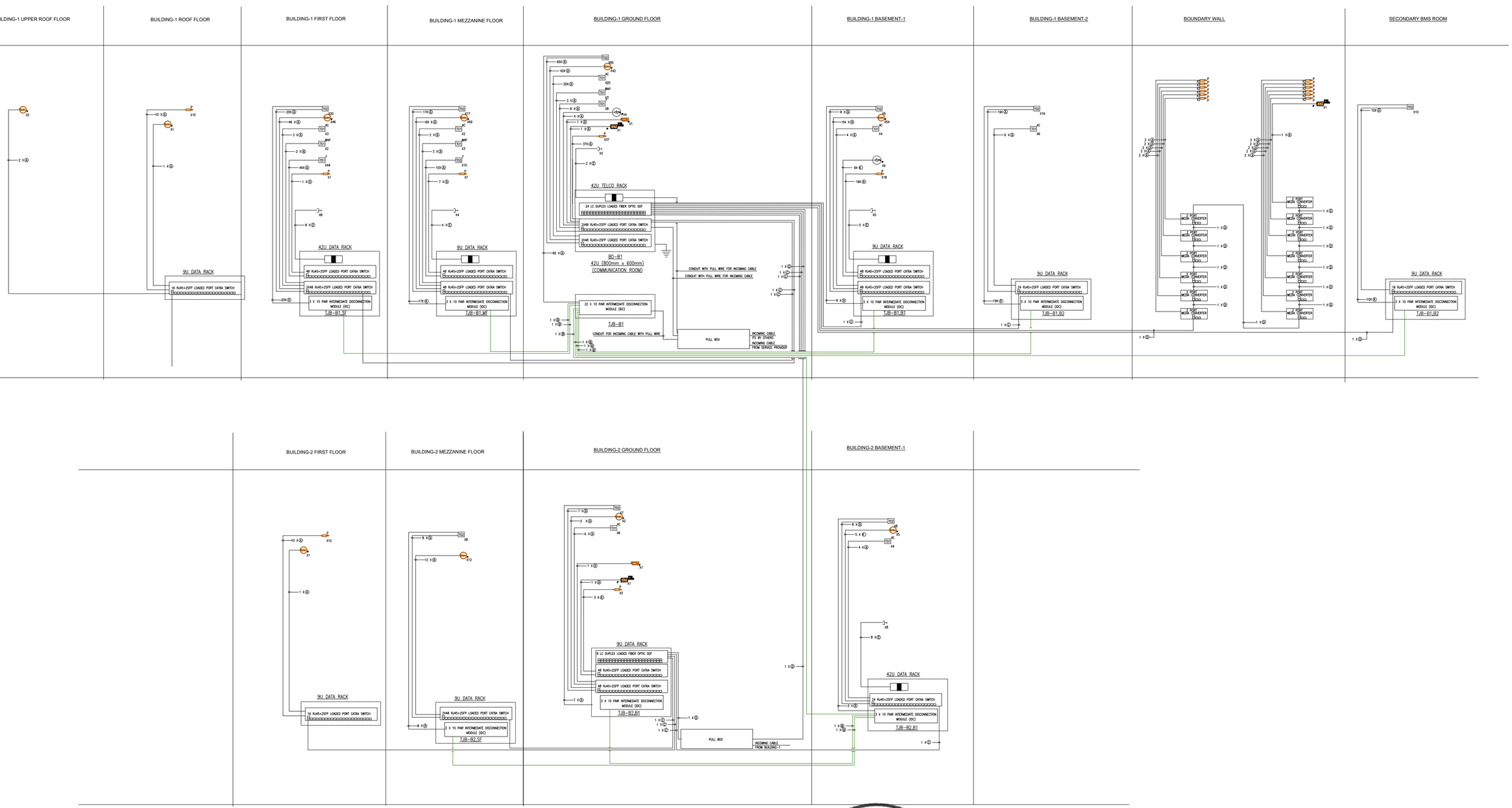
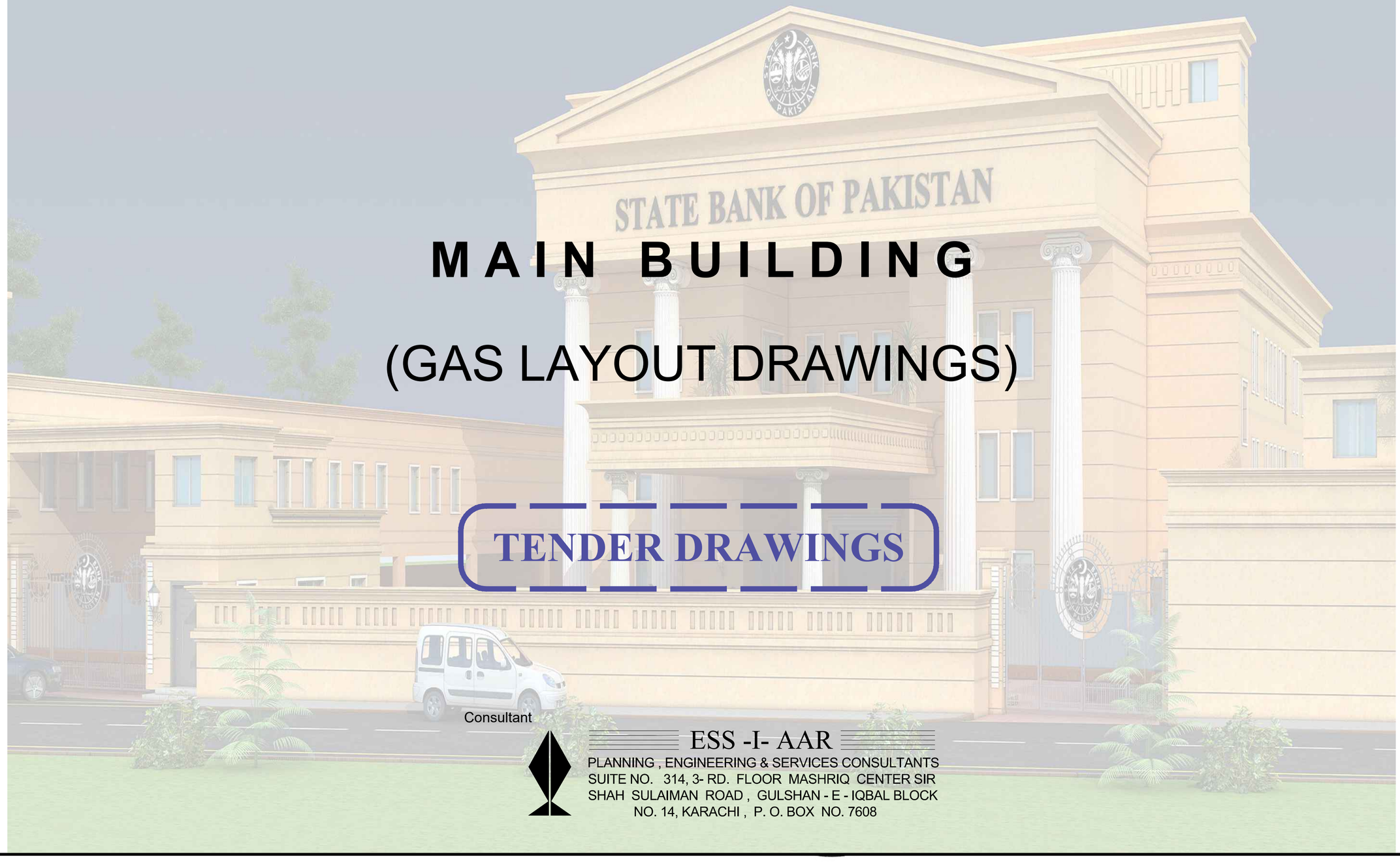


TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: SCHEMATIC DRAWING	DATE: 28-11-2020 REVS	COM. LOCATION.
					SHEET REF. ICT.
			Ref. Rev.	SCALE N.T.S	DRAWN GHUFRAN KHIZAR
			CHKD. BY S.GAZDAR	JOB NO.	**ICT-17**

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

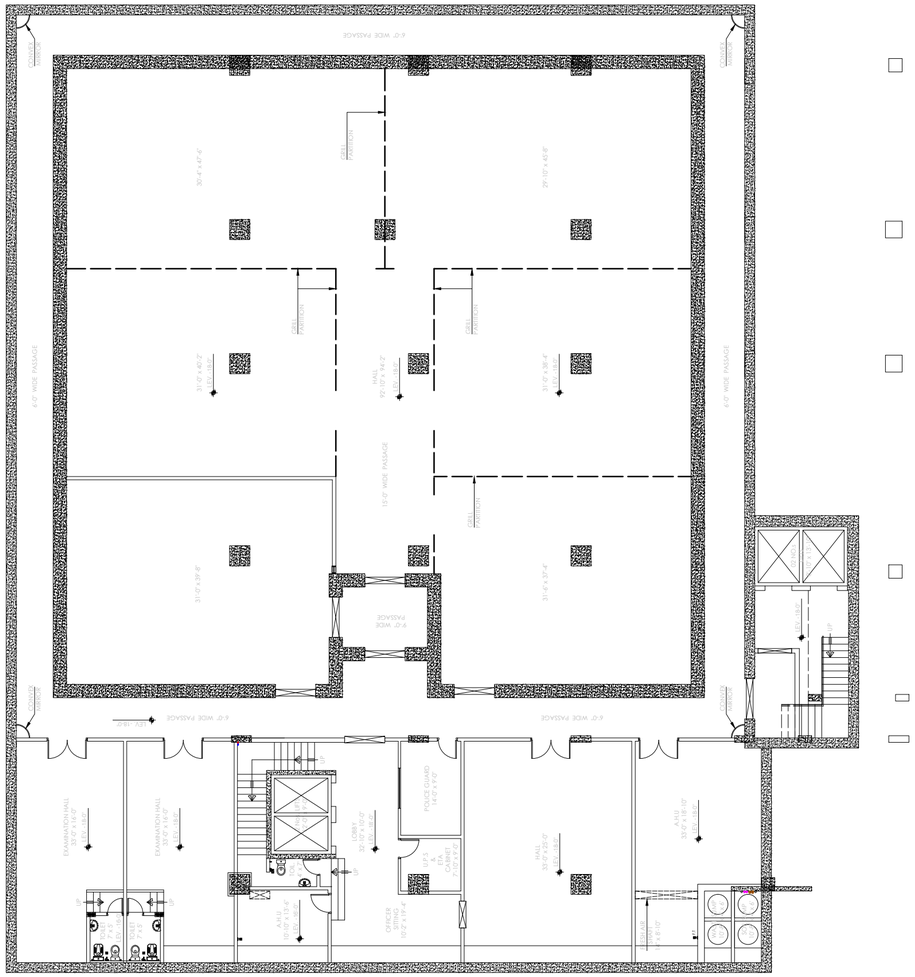
(GAS LAYOUT DRAWINGS)

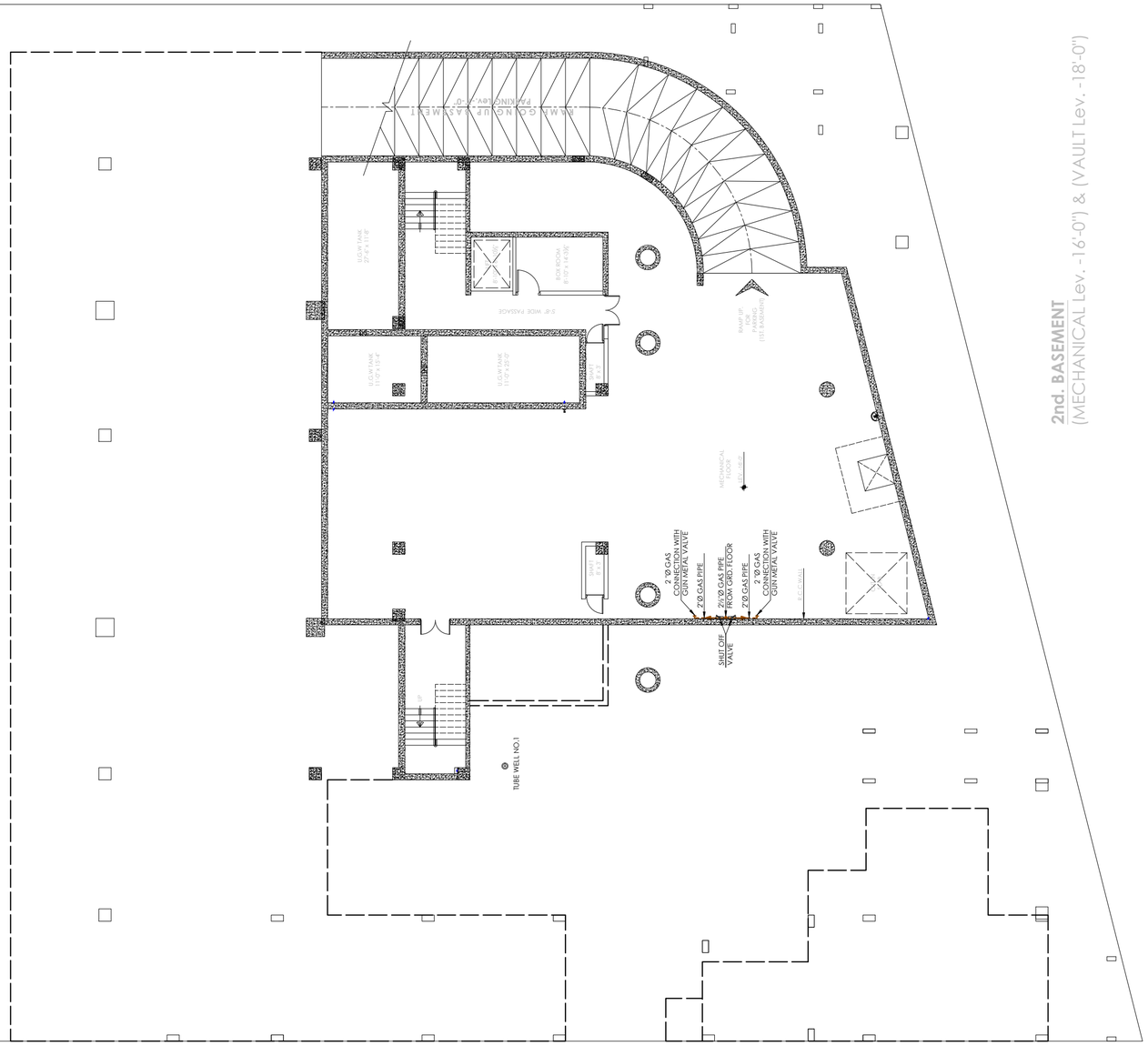
TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

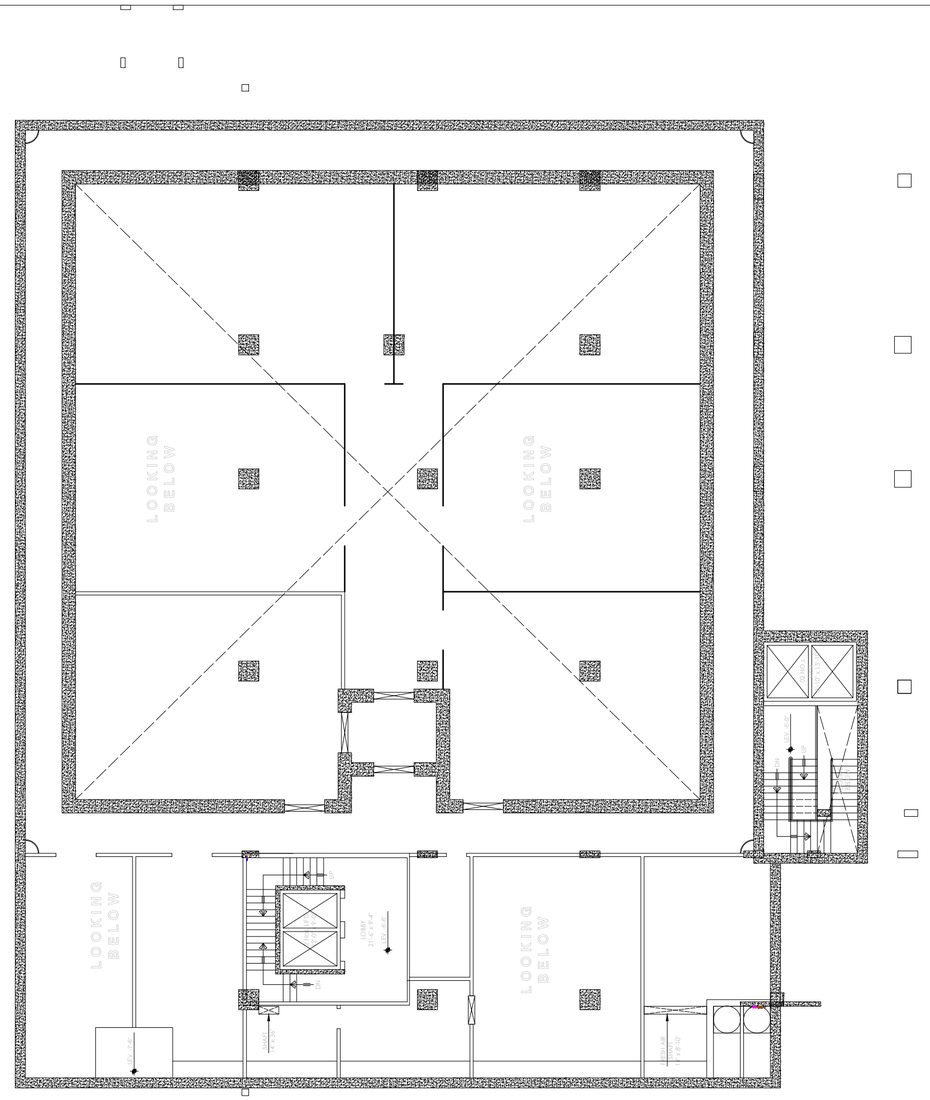




2nd. BASEMENT
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: 2ND. BASEMENT GAS LAYOUT	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	GS-01


LOOKING BELOW
LOOKING BELOW
LOOKING BELOW
LOOKING BELOW
LIFT
STAIR
LIFT
STAIR
LIFT
STAIR

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND FLOOR PLAN GAS LAYOUT	DATE: 16-11-2020	COM. LOCATION.
				REVS	SHEET REF. PLUM.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.
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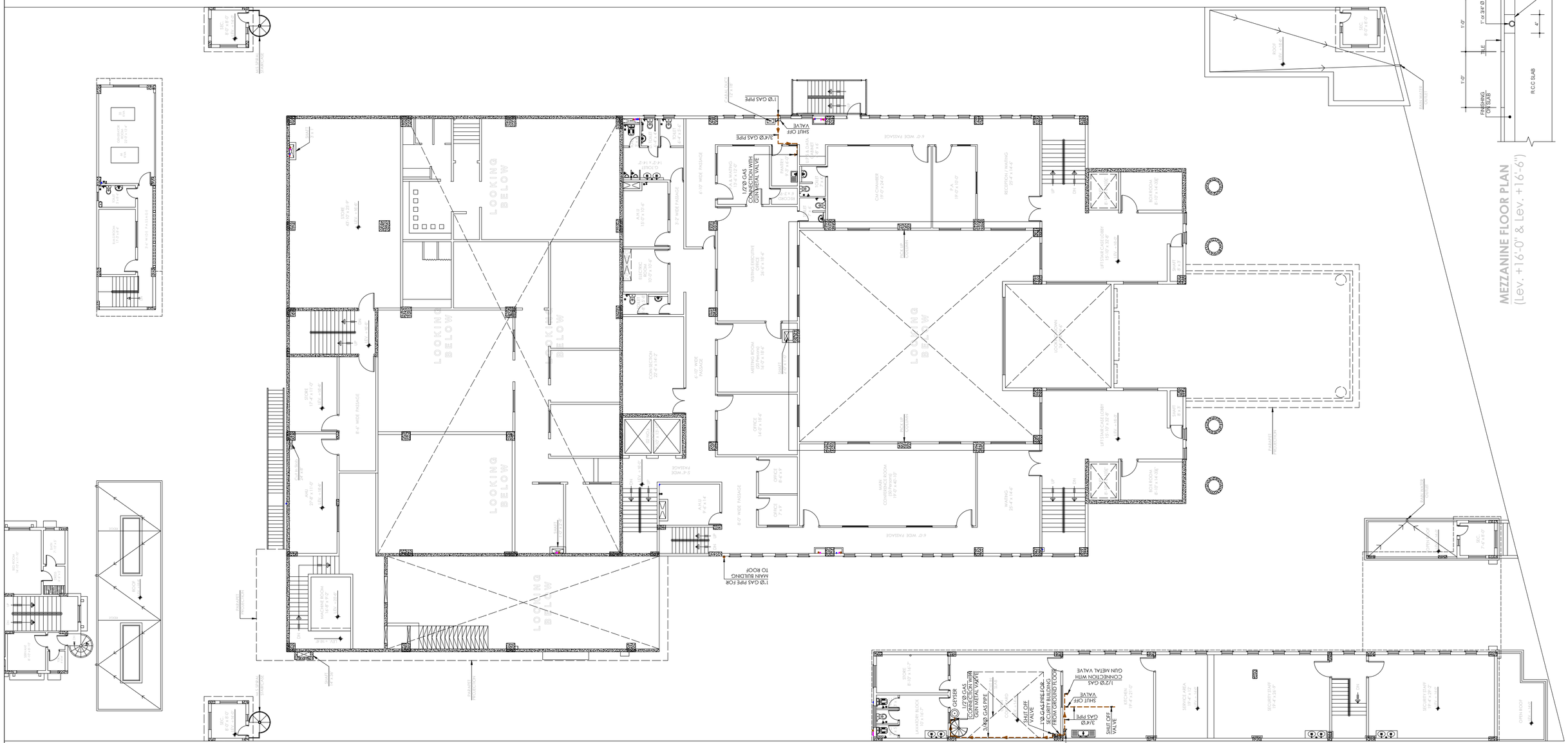
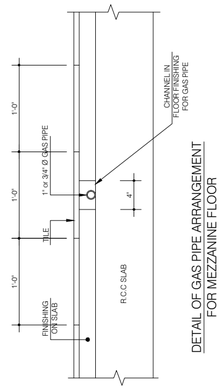




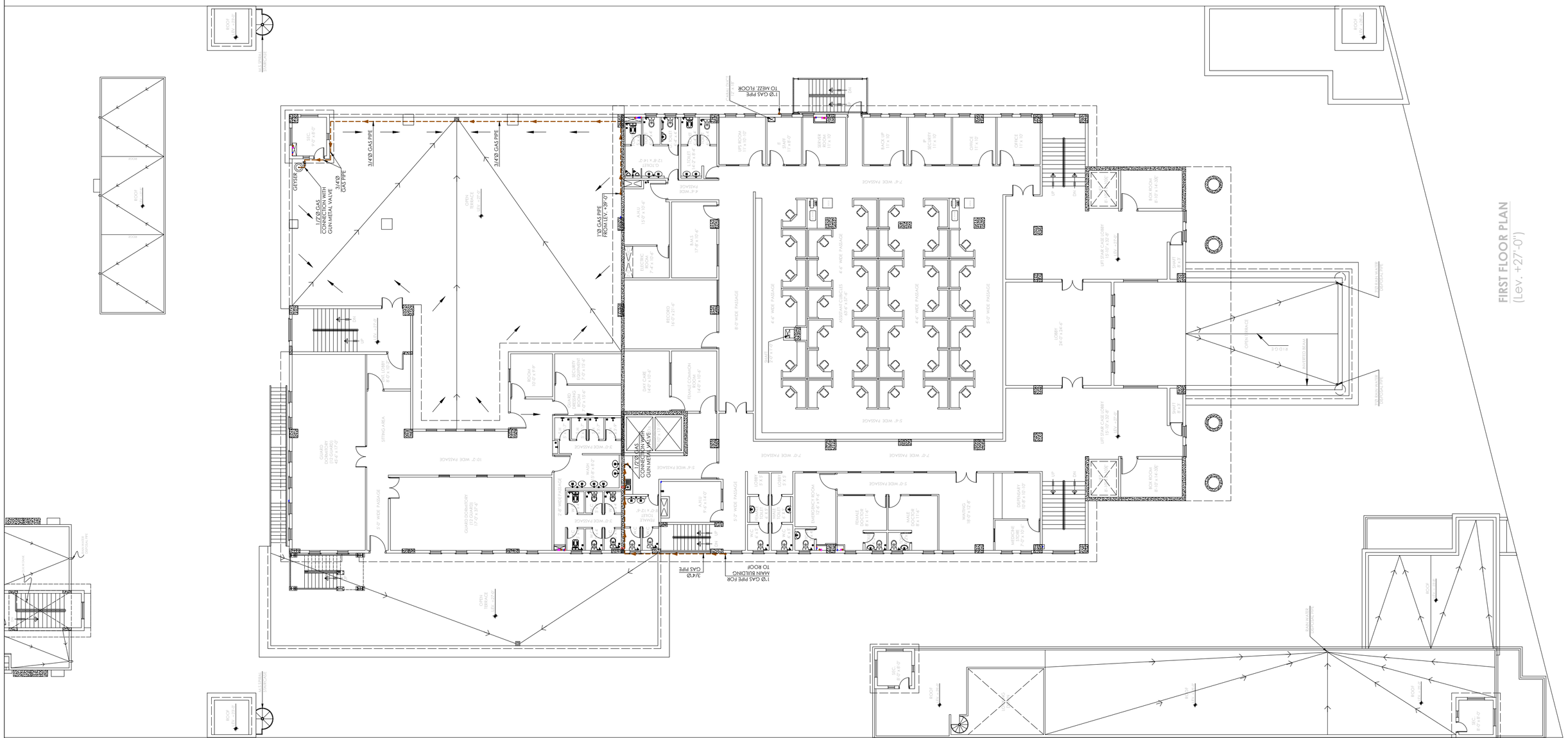
DETAIL OF GAS PIPE ARRANGEMENT FOR MEZZANINE FLOOR

MEZZANINE FLOOR PLAN
(Lev. +16'-0" & Lev. +16'-6")

TENDER DRAWING

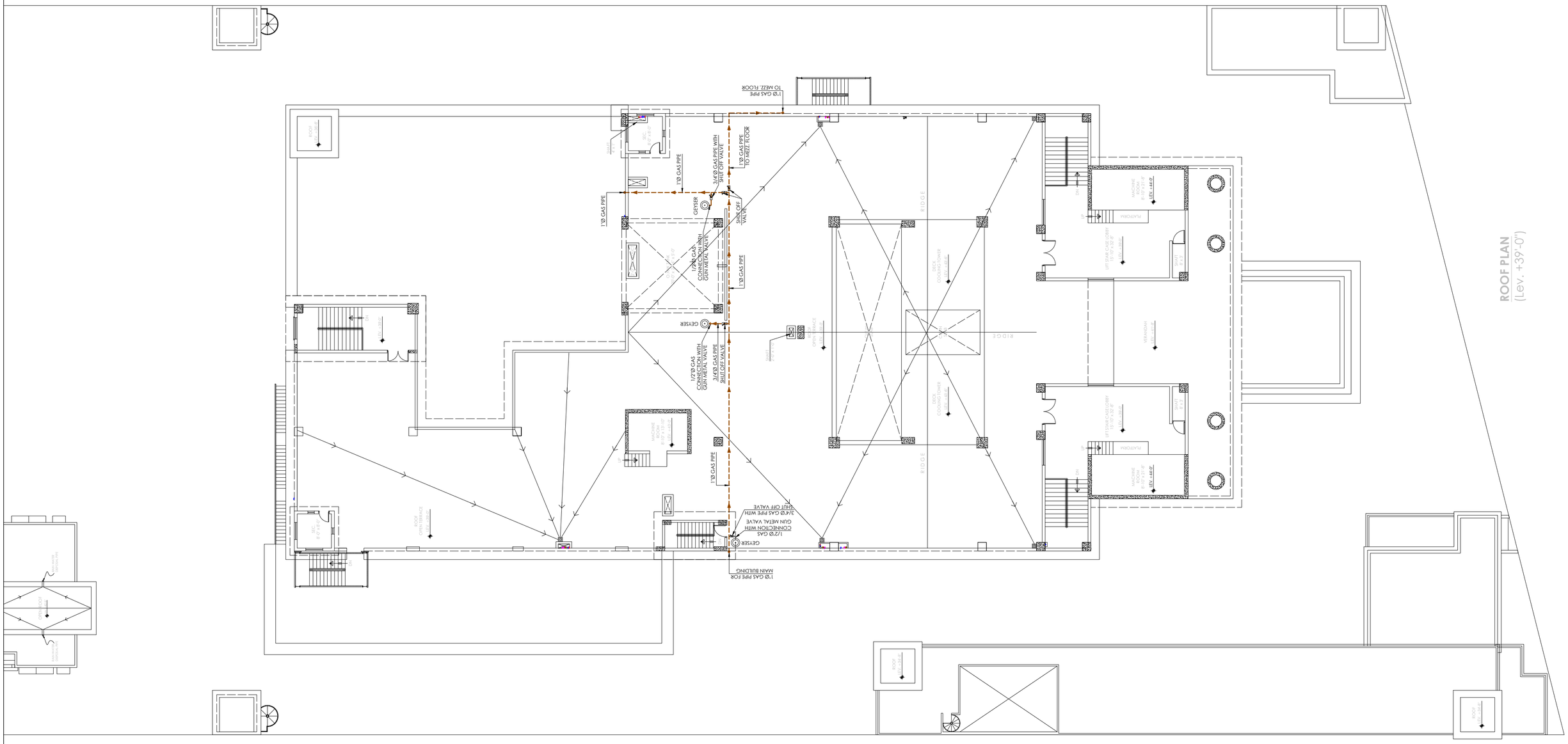
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: MEZZANINE FLOOR PLAN GAS LAYOUT	DATE: 16-11-2020 (DAY/MO/YR)	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **GS-04**

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal KARACHI
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION



TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: FIRST FLOOR PLAN GAS LAYOUT	DATE: 16-11-2020 (DAY/MO/YR)	COM. LOCATION.	SHEET REF. PLUM.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL	CHKD. BY: S.GAZDAR	JOB NO.	GS-05



ROOF PLAN
(Lev. +39'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: ROOF PLAN GAS LAYOUT	DATE: 16-11-2020	COM. LOCATION.
				REVS: 24-11-2020	SHEET REF. PLUM.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
				CHKD. BY: S.GAZDAR	JOB NO.
					GS-06

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA

MAIN BUILDING

(FIRE PROTECTION SYSTEM)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

GENERAL NOTES:

- This Package contains Basic Drawings for Tendering and Construction with all materials,Installation and respective details. Contractor must produce shop drawings and furnish samples and get them approved from project manager/ HVAC and Mechanical Consultant prior to execution at site.
- Do not scale the drawings, follow written instructions.
  The drawings shall not be used for construction purpose until stamped "FOR CONSTRUCTION" and signed by the HVAC and Mechanical Consultant.
- If any discrepancy is found on drawing the Consultant shall be informed prior to starting the work on site.
- All materials used shall be in strict accordance with the specifications.
- Submit samples of materials to the Consultant for approval prior to use on site.
- All drawings must be read in conjunction with relevant engineering drawings and coordination b/w architecture, electrical security system, public health/ address System and other services should be done before the construction of the work.
- Where a discrepancy is noted between basic and detailed drawings, detailed drawing shall govern.
- All dimensions are shown in inch feet.
- All dimensions to be confirmed at site prior to construction
- Contractor shall submit the hydrolic calculation for pipe sizes and pump capacities from aspecilist supplier.

  Flow switches located in the main distribution pipe shall be linled to the fire supervisory panel.
- The Fire Pump set shall be factory assembled and tested.
- Clean Agent hand held fire extinguishers shall be provided in the electrical and control room as specified.
- Fire Hose Reel shall be housed in recessed or surface mounted enclosure as specified with door and subject to architect approval.
- All holes,openings for pass through shall be sealed with smoke/flame proof fire barrier.

PLANNING ENGG. ARCHITECTURAL & SERVICES CONSULTANTS ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT SBP BSC HOK PROJECT MANAGEMENT DIVISION

TENDER DRAWING

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: HVAC System Fire Protection System General Notes		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	FP-1

PIPE HANGER & ROD DETAILS							
PIPE SIZE	ROD SIZE(A)	B	C	ADJ. D	E	CROSS BOLT	DISTANCE BETWEEN HANGERS
25	10	78	95	41	67	6.35	3000
32	10	86	106	41	75	6.35	3000
40	10	89	112	38	78	6.35	4000
50	10	95	127	41	84	6.35	4000
65	12	98	136	28	82.5	10.0	4000
80	12	108	152	28	92	10.0	4000
100	16	140	165	45	120	10.0	4000
150	20.0	175	257	41	152	12.0	3000
200	22.0	222	327	54	200	15.0	3000

NOTES :-
1. ALL UNITS ARE IN 'MM' UNLESS SPECIFIED
2. FOR SPRINKLER / SPRAY SYSTEM, MINIMUM ONE SUPPORT SHALL BE PROVIDED BETWEEN TWO SPRINKLERS

SCHEDULE OF PIPE SUPPORTS MS PIPES		
PIPE SIZE	HORIZONTAL DIST.	VERTICAL DIST.
1/2" ø TO 3/4"ø	5 FT. C/C	6 FT. C/C
1"ø TO 1 1/4"ø	6 FT. C/C	10 FT. C/C
1 1/2"ø TO 2 1/2"ø	10 FT. C/C	10 FT. C/C
3"ø TO 4"ø	12 FT. C/C	12 FT. C/C
6"ø AND LARGER	15 FT. C/C	12 FT. C/C

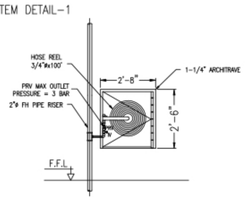
SCHEDULE OF CLEVIS PIPE SUPPORTS M.S/G.I PIPES							
PIPE SIZE	SIZE OF STEEL		A	B	C	D	BOLT SIZE
	UPPER	LOWER					
1"ø	1/8"x1"	1/8"x1"	3/8"	2-1/8"	2-13/16"	1-1/4"	1/4"x2-3/4"
1-1/4"ø	1/8"x1"	1/8"x1"	3/8"	2-9/16"	3-7/16"	1-3/4"	1/4x3"
1-1/2"ø	1/8"x1"	1/8"x1"	3/8"	3"	4"	2-1/8	1/4"x3-1/2"
2"ø	1/8"x1"	1/8"x1"	3/8"	3-11/16"	4-7/8"	2-15/16"	1/4"x4"
2-1/2"ø	3/16"x1-1/4"	3/16"x1-1/4"	1/2"	4-11/16"	6-1/8"	3-13/16"	3/8"x4-1/2"
3"ø	3/16"x1-1/4"	3/16"x1-1/4"	1/2"	4-3/4"	6-9/16"	3-7/8"	3/8"x5"
4"ø	1/4"x1-1/4"	3/16"x1-1/4"	5/8"	5-9/16"	7-13/16"	4-1/2"	3/8"x6"
6"ø	1/4"x1-1/2"	3/16"x1-1/2"	3/4"	6-15/16"	10-1/8"	5-5/8"	1/2"x8"

NOTE:
ALL SUPPORTS AND HANGERS SHALL BE IN ACCORDANCE WITH NFPA-13 & 14.
ALL SUPPORTS AND HANGER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. APPLY PRIMER AND 2-COATS OF CORROSION RESISTANT EPOXY PAINT AFTER INSTALLATION.

LEGEND FOR FIRE FIGHTING SERVICES

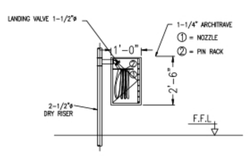
SYMBOL	DESCRIPTION	REMARKS
H/L L/L	HIGH LEVEL / LOW LEVEL	
T/A T/B	TO ABOVE / TO BELOW	
F/A F/B	FROM ABOVE / FROM BELOW	
FH	FIRE HYDRANT PIPE	
TD	TEST DRAIN PIPE	
GV	GLOBE VALVE	
CV	CHECK VALVE/NON RETURN VALVE	
GV	GATE VALVE/ISOLATING VALVE	
AAV	AUTOMATIC AIR RELEASE VALVE	
	OS & Y VALVE	
	LV LANDING VALVE 1-1/2"ø	
ACV	ALARM CHECK VALVE ASSEMBLY	
PS	PRESSURE SWITCH	
FM	FLOW METER	
FS	FLOW SWITCH	
PG	PRESSURE GAUGE	
HR	HOSE REEL SUPPLY PIPE	
FX-1	PRESSURIZED WATER FIRE EXTINGUISHER FOR CLASS A FIRE	
FX-2	CO_2 FIRE EXTINGUISHER FOR CLASS B & C FIRE	
FX-3	DRY CHEMICAL POWDER FIRE EXTINGUISHER FOR CLASS A, B & C FIRE	
FX-4	FIRE EXTINGUISHER FOR CLASS K FIRE	
FX-5	FIRE FOAM EXTINGUISHER	
FHC	FIRE HOSE CABINET WITH FIRE EXTINGUISHER & HOSE REEL	
FT	FIRE FIGHTING SYSTEM WATER PIPING	
FS	FIRE SUPPRESSION SYSTEM WATER PIPING	
	STANDARD COVERAGE UPRIGHT SPRINKLER	
	STANDARD COVERAGE PENDANT SPRINKLER	
	STANDARD COVERAGE SIDEWALL SPRINKLER	
	QUICK RESPONSE SPRINKLER	
	EXTENDED COVERAGE SPRINKLER	
	ZONE CONTROL VALVE	

FP-SYSTEM DETAIL-1



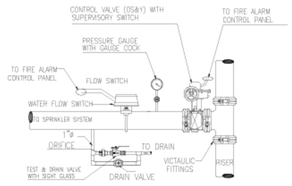
FIRE HOSE CABINET TYPE FHC
FRONT FACIA–POLISHED ST.STEEL
BACK BOX–POWDER COATED M.S

FP-SYSTEM DETAIL-5



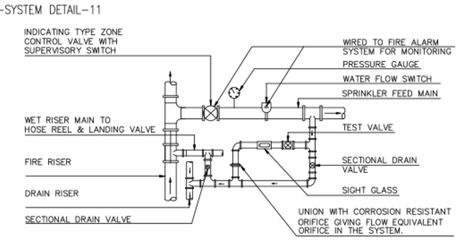
LANDING VALVE CABINET TYPE LV-C
FRONT FACIA–POLISHED ST.STEEL
BACK BOX–POWDER COATED M.S

FP-SYSTEM DETAIL-9



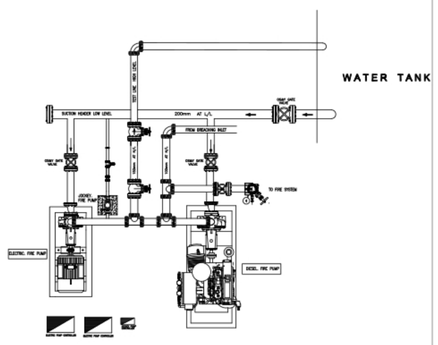
ZONE CONTROL VALVE DETAIL

FP-SYSTEM DETAIL-11

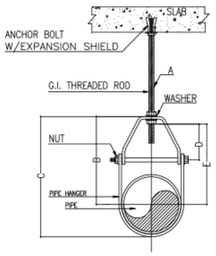


ZONE CONTROL VALVE

FIRE PUMP-SYSTEM DETAIL-20

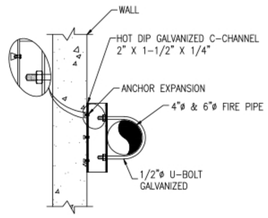


FP-SYSTEM DETAIL-2



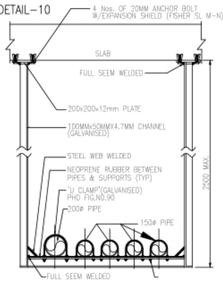
CLEAVES HANGER
ALL HANGER SHALL BE
HOT DIP GALVANIZE AFTER FABRICATION

FP-SYSTEM DETAIL-6



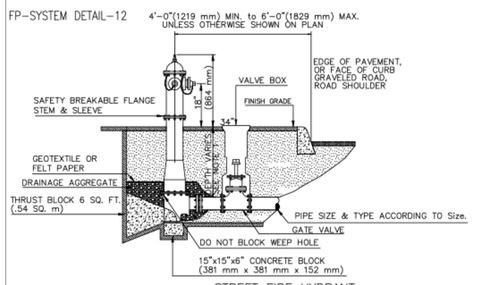
RISER SUPPORT DTAIL
ALL SUPPORT HANGER SHALL BE
HOT DIP GALVANIZE AFTER FABRICATION

FP-SYSTEM DETAIL-10



CHANNEL SUPPORT DTAIL
ALL SUPPORT HANGER SHALL BE
HOT DIP GALVANIZE AFTER FABRICATION

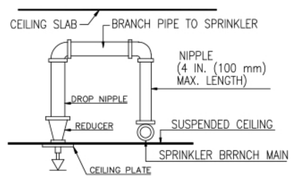
FP-SYSTEM DETAIL-12



NOTES:
1. BURY TO SPECIFIED PIPELINE DEPTH AS SHOWN ON THE PIPELINE PLAN & PROFILE SHEETS.

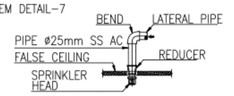
STREET FIRE HYDRANT

FP-SYSTEM DETAIL-3

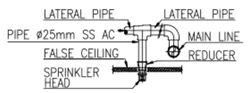


SPRINKLERS BELOW CIELING

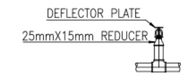
FP-SYSTEM DETAIL-7



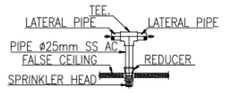
THE BRANCH CONNECTION



THE BRANCH CONNECTION



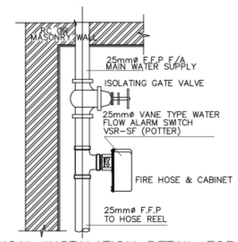
UPRIGHT SPRINKLER DETAIL.



THE BRANCH CONNECTION

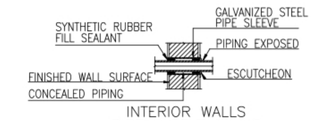
PENDENT AND UPRIGHT SPRINKLERS BRANCH

FP-SYSTEM DETAIL-13

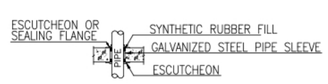


TYPICAL INSTALATION DETAIL FOR
FLOW ALARM SWITCH INSIDE FIRE HOSE CABINET

FP-SYSTEM DETAIL-4

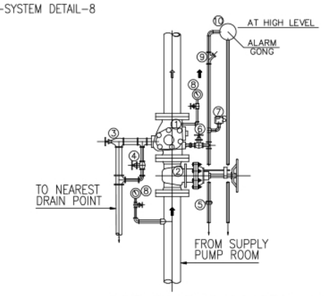


INTERIOR WALLS
PIPE SLEEVE WALLS



VERTICAL PIPE SLEEVE
PIPE SLEEVE

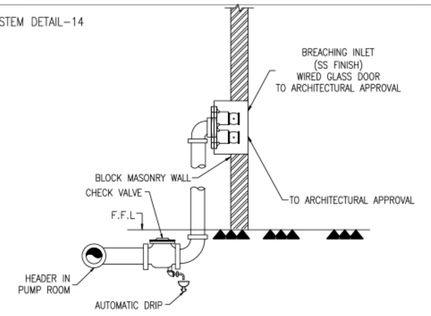
FP-SYSTEM DETAIL-8



DESCRIPTION
① — ALARM VALVE
② — STOP VALVE(NORMALLY OPEN)
③ — MAIN DRAIN VALVE 50ø (NORMALLY CLOSED)
④ — ALARM TEST VALVE 15ø (NORMALLY CLOSED)
⑤ — RESTRICTED UNION
⑥ — ALARM STOP VALVE 15ø (NORMALLY OPEN)
⑦ — PRESSURE SWITCH
⑧ — PRESSURE GAUGES WITH VALVES
⑨ — Y-STRAINER
⑩ — MECHANICAL SPRINKLER ALARM

FIRE FIGHTING CONTROL ALARM VALVE SET DETAIL

FP-SYSTEM DETAIL-14

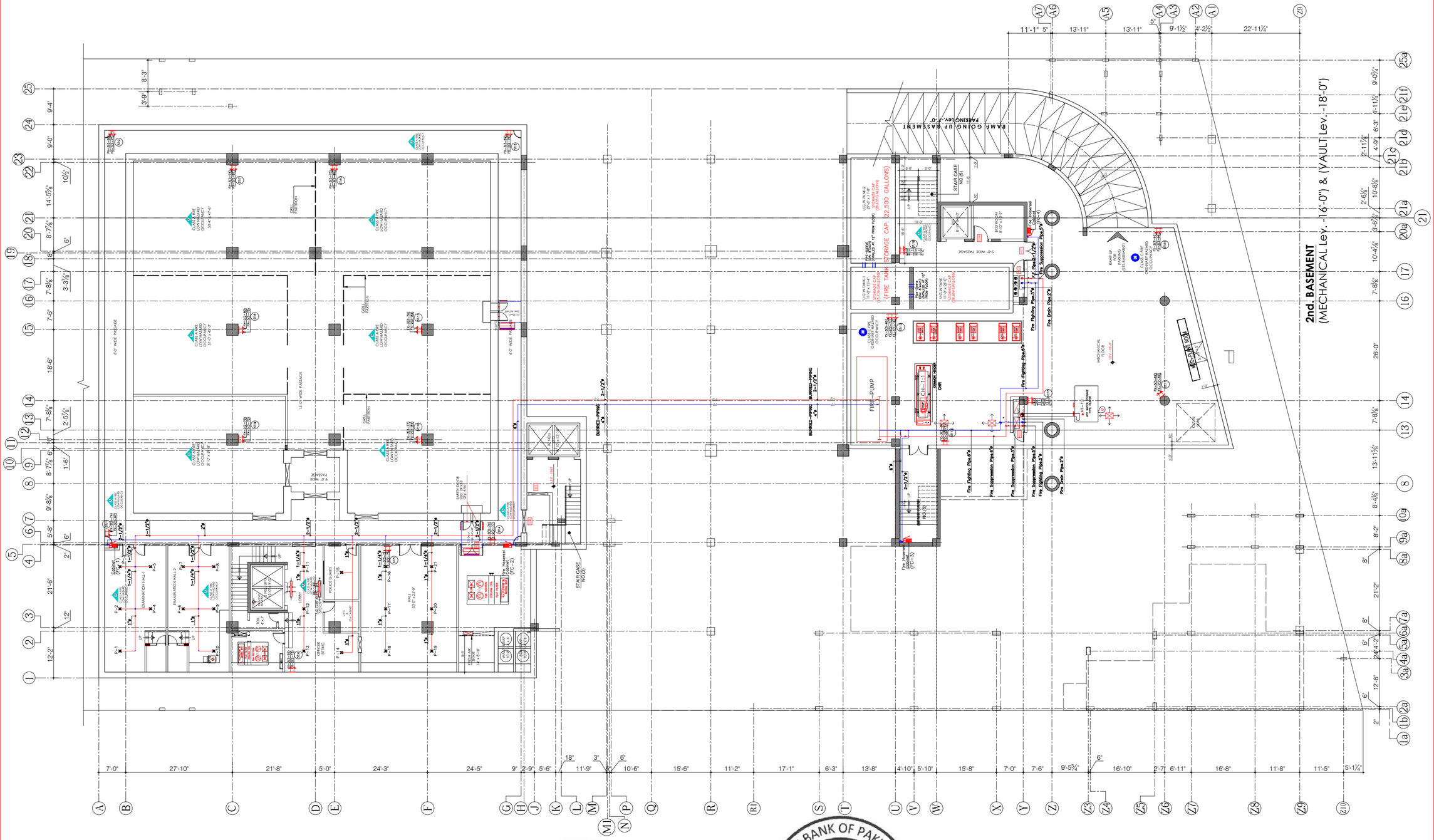


BREACHING INLET CONNECTION DETAILS

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I -AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314,
3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD ,
GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: Fire Protection System Miscellenious Detail		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. F.P
Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	FP-2A


2nd. BASEMENT
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")
RAMP GOING UP BASEMENT PARKING Lev.-7.0"
FIRE PUMP
MECHANICAL ROOM
ELEC. ROOM
STAIR CASE NO.(3)
STAIR CASE NO.(4)
EXTRA BASE WALL FOOT
5'-0" WIDE PASSAGE
6'-0" WIDE PASSAGE
13'-0" WIDE PASSAGE
GRILL PARTITION
SAFETY DOOR GF.-ROOF
RAMP UP FOR PARKING (1ST BASEMENT)
BOX ROOM 8'-0" x 8'-2"
U.G.W TANK-1 11'-0"x 15'-4" (FIRE TANK STORAGE CAP: 22,500 GALLONS)
U.G.W TANK-2 27'-6" x 11'-6" (STORAGE CAP: 68,830 GALLONS)
U.G.W TANK-3 11'-0" x 15'-4" (STORAGE CAP: 68,830 GALLONS)
BURIED-PIPING 2-1/2"ø
BURIED-PIPING 4"ø
Fire Hosereel (FC-1)
Fire Hosereel (FC-2)
Fire Hosereel (FC-3)
Fire Hosereel (FC-4)
Fire Sprinkler Pipe-4"ø
Fire Sprinkler Pipe-3"ø
Fire Sprinkler Pipe-2"ø
Fire Fighting Pipe-6"ø
Fire Fighting Pipe-4"ø
Fire Fighting Pipe-3"ø
Fire Fighting Pipe-2"ø
Fire Drain Pipe-4"ø
Fire Drain Pipe-3"ø
Fire Drain Pipe-2"ø
CH-1.1
CH-1.2
CH-1.3
CH-1.4
CH-1.5
CH-1.6
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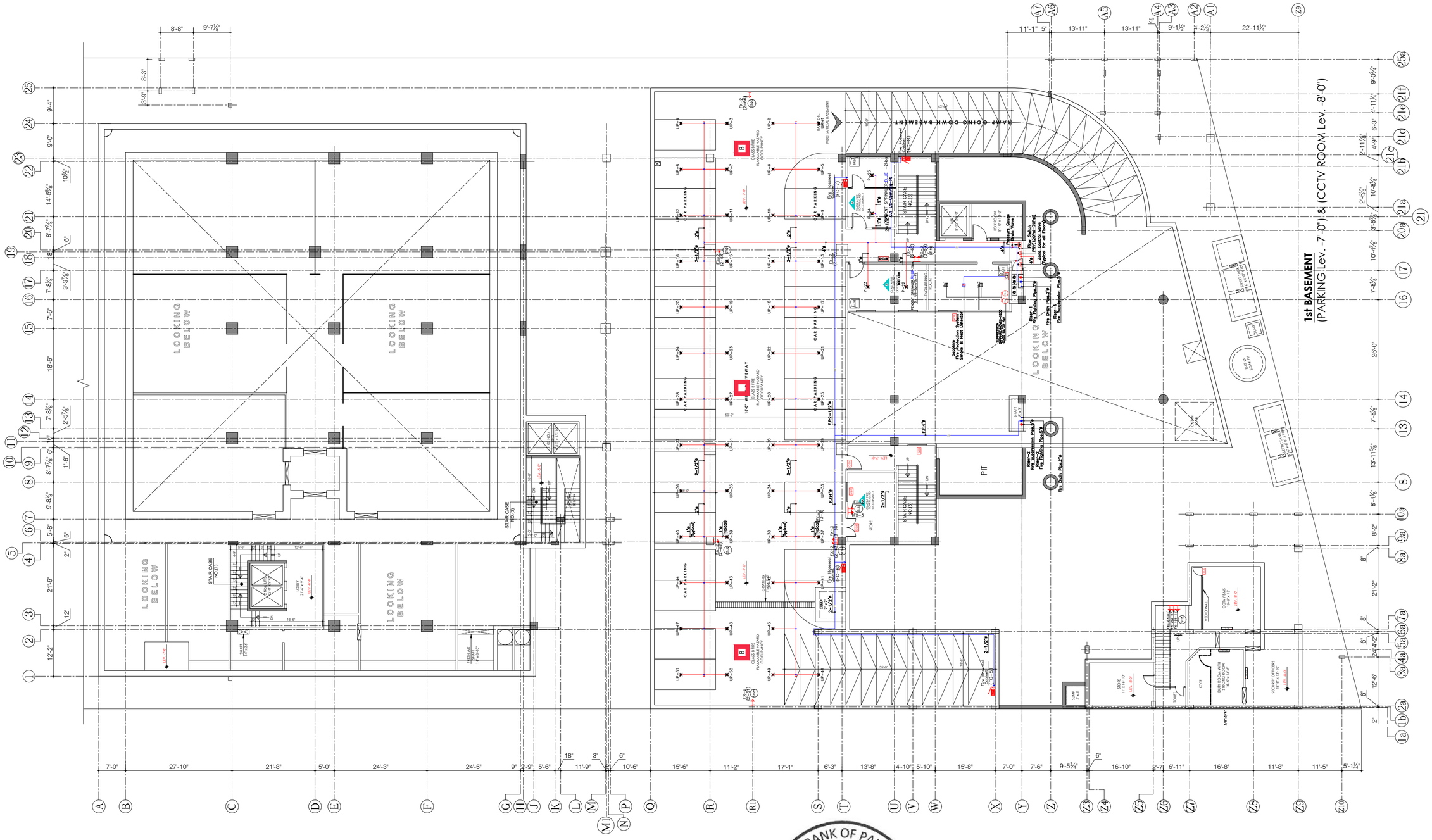


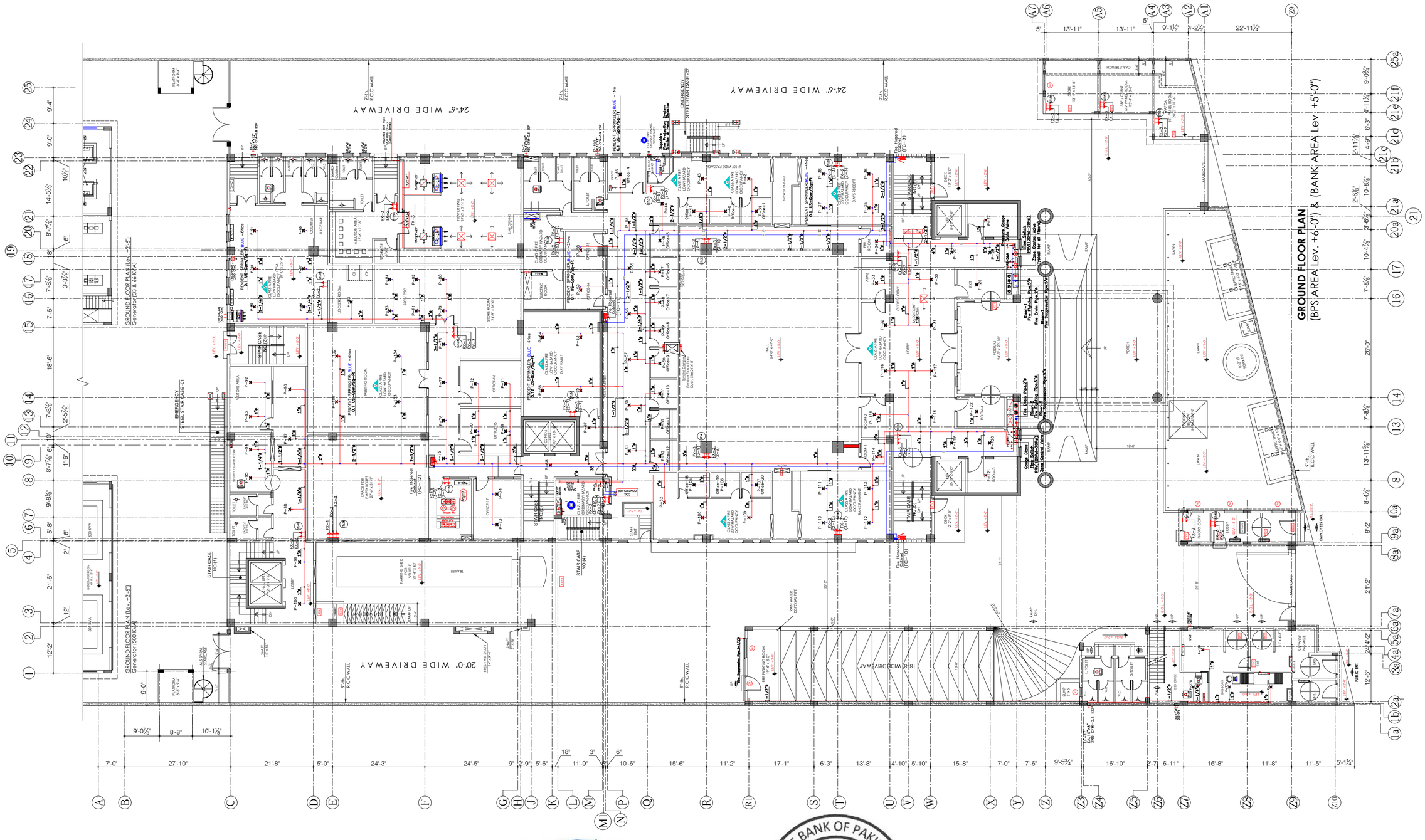
Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314,
3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD ,
GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

ESS.I.AAR ARCHITECTURAL & SERVICES ENGG. CONSULTANTS PLANNING 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ★ ENGINEERING DEPARTMENT SBP BSC HOK

TITLE: F.F System Fire Fighting & Fire Suppression System For 1St Basement.		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	**FP-04**


GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")
24'-6" WIDE DRIVEWAY
20'-0" WIDE DRIVEWAY
18'-0" WIDE DRIVEWAY
GROUND FLOOR PLAN (Lev. +2'-6")
Generator (33 & 66 KVA)
GROUND FLOOR PLAN (Lev. +2'-6")
Generator (500 KVA)
EMERGENCY STEEL STAIR CASE -01
EMERGENCY STEEL STAIR CASE -02
STAIR CASE NO.(1)
STAIR CASE NO.(2)
STAIR CASE NO.(3)
STAIR CASE NO.(4)
PENDENT SPRINKLER BLUE
PLATFORM 8'-6" X 4'-4"
SECURITY ROOM 9'-6" X 6'-6"
STORE ROOM 24'-6" X 14'-0"
MEETING ROOM
PRAYER HALL 28'-0" X 31'-10"
MAIN BANKING HALL 44'-0" X 27'-0"
MANAGER
CASHIER
LOCKER ROOM
SERVER ROOM
ELECTRIC ROOM
PANTRY
LOBBY
PORCH
KIOSK 24'-0" X 20'-0"
LAWN
KAMP
TRACTOR
PARKING SHED VEHICLE 20'-0" X 8'-0"
MAIN WATER DISPOSAL PIT
FIRE FIGHTING ROOM 11'-4" X 8'-0"
SUB STATION 9'-0" X 9'-4"
SUMP 14'-3" X 3'-6"
SUMP 6'-1" X 4'-0"
SUMP 5'-0" X 5'-0"
SUMP 5'-0" X 4'-0"
SUMP 6'-0" X 4'-0"
SUMP 6'-0" X 3'-0"
SUMP 6'-0" X 3'-0"
SUMP 6'-0" X 3

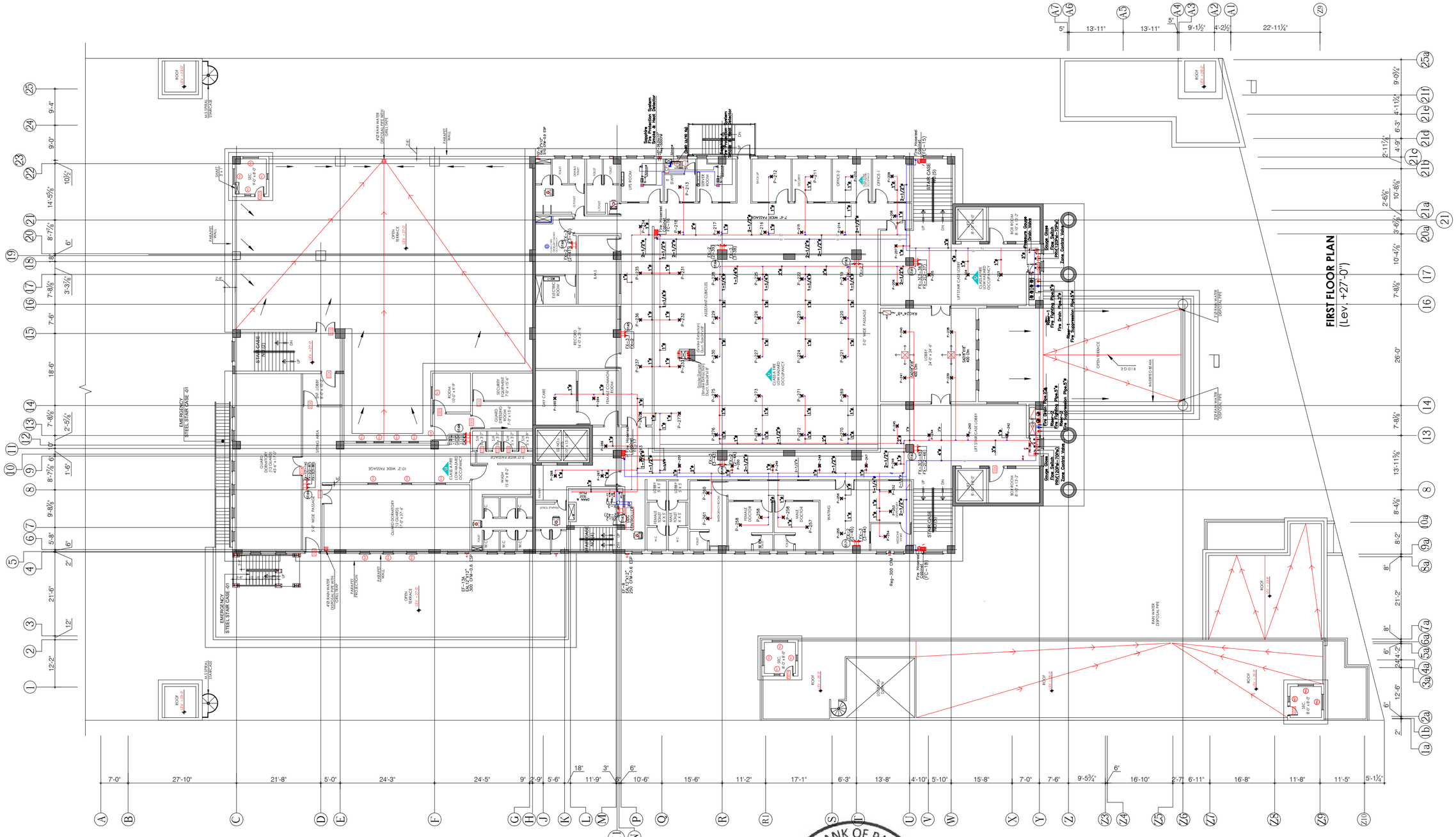
TENDER DRAWING

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ★ ENGINEERING DEPARTMENT SBP BSC HOK

Client	**CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**	TITLE: FP System Fire Fighting & Fire Suppression System for Mezzanine Floor.	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
		Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN / JOB NO.
					FP-06

ESS- I AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com



Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

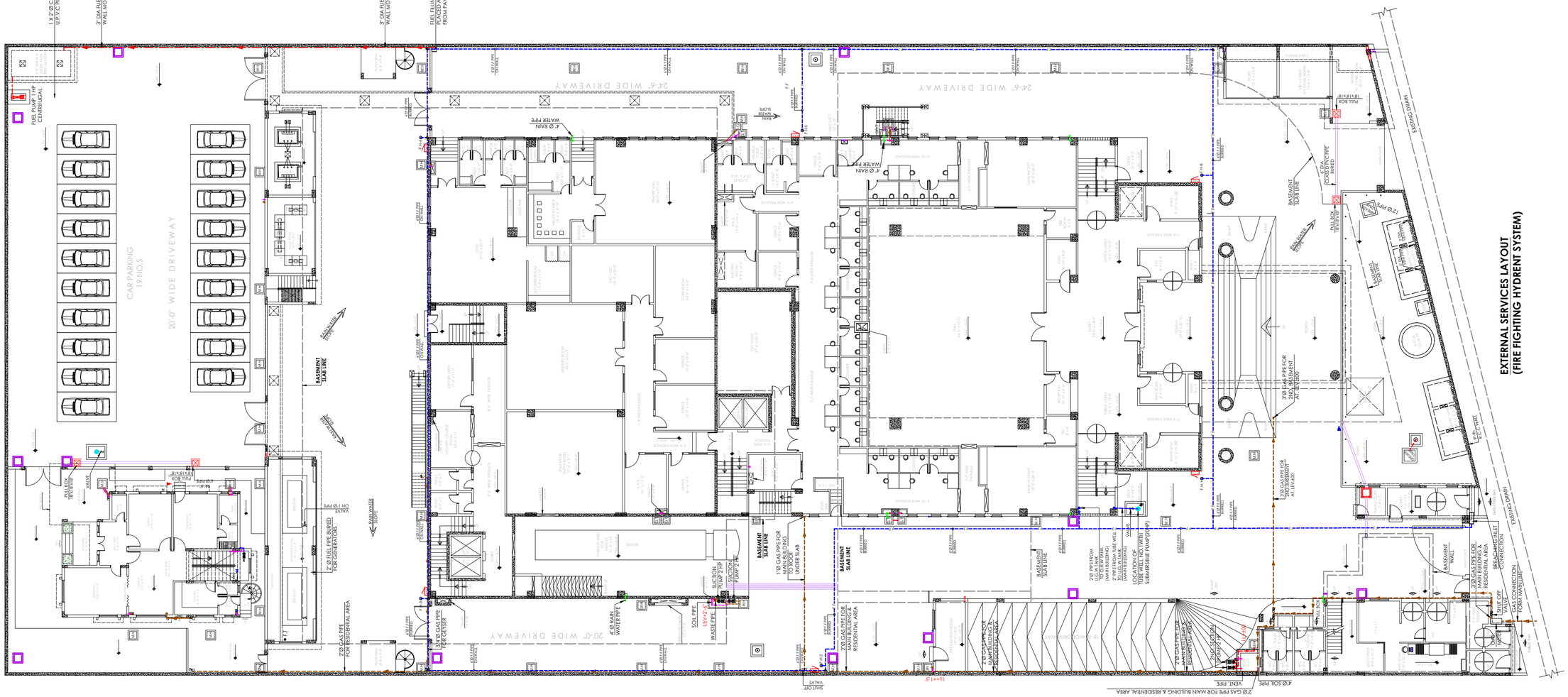
ESS- I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314,
3-RD,FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD ,
GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: FP System Fire Fighting & Fire Suppression System For First Floor.	DATE: 10-12-2020	COM. LOCATION.	SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN / JOB NO.

FP-07

NOTES :

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURE, ELECTRICAL, HVAC, FPS, PLUMBING, COMMUNICATION AND ANY OTHER SERVICE DRAWINGS.
2. FOR SECTIONS AND DETAILS REFER TO DRAWING NO UT-02
3. IN CASE OF ANY NOTED CONFLICT DURING PREPARATION OF SHOP DRAWINGS AND/OR FINAL LAYOUT OF SERVICES BEFORE AND OR DURING CONSTRUCTION; THE CONTRACTOR SHOULD IMMEDIATELY INFORM THE ENGINEER INCHARGE FOR THE RESOLUTION OF CONFLICT.
4. FOR GENERAL NOTES REFER TO RELEVANT SERVICE GENERAL NOTES DRAWINGS.



EXTERNAL SERVICES LAYOUT
(FIRE FIGHTING HYDRENT SYSTEM)

TENDER DRAWING

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT SBP BSC HOK

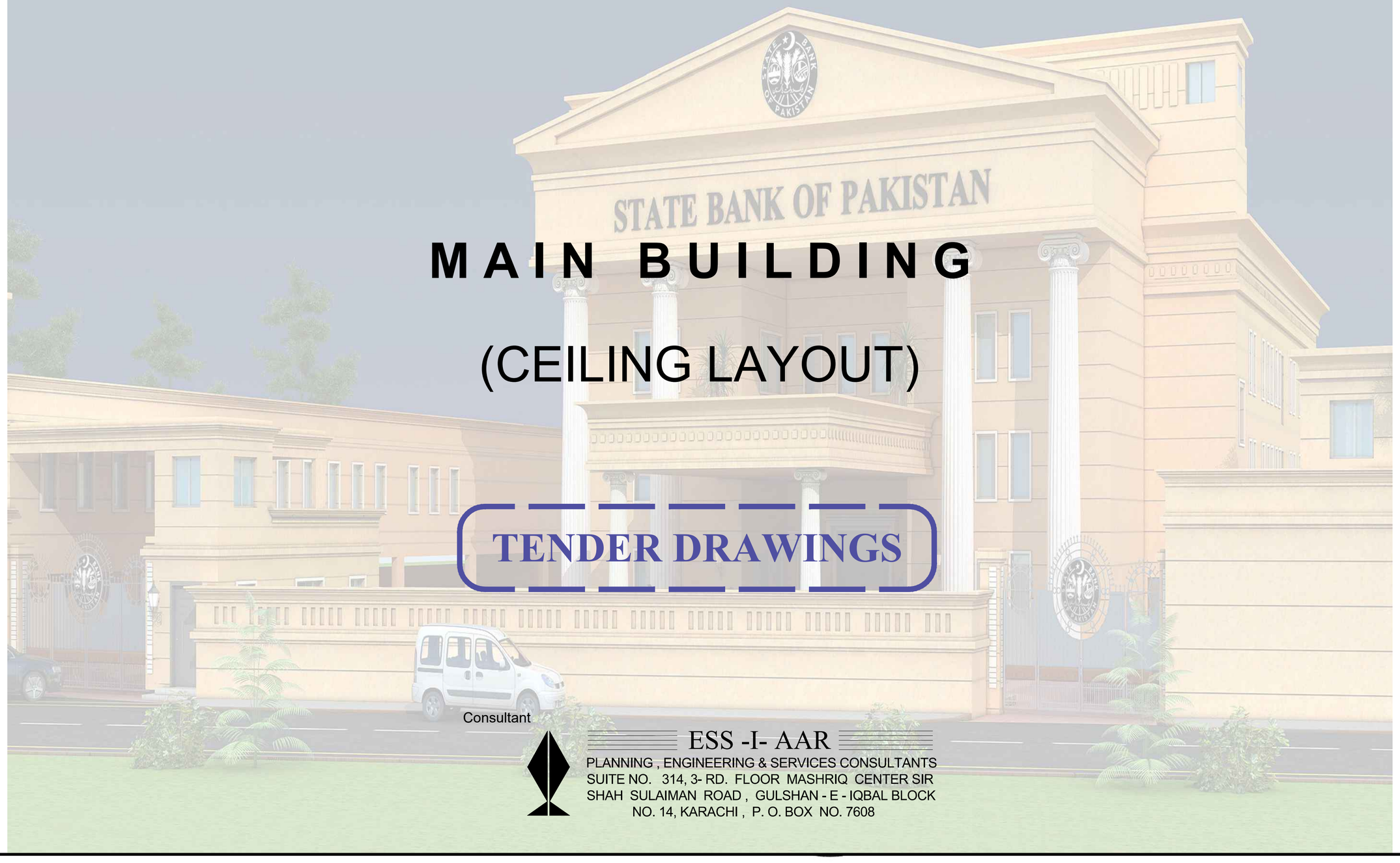
Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314, 3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD , GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: F.F System Fire Fighting & Fire Suppression System Layout for Exrernal Area		DATE: 10-12-2020	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: 1' : 3/32"	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	**FP-08**

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

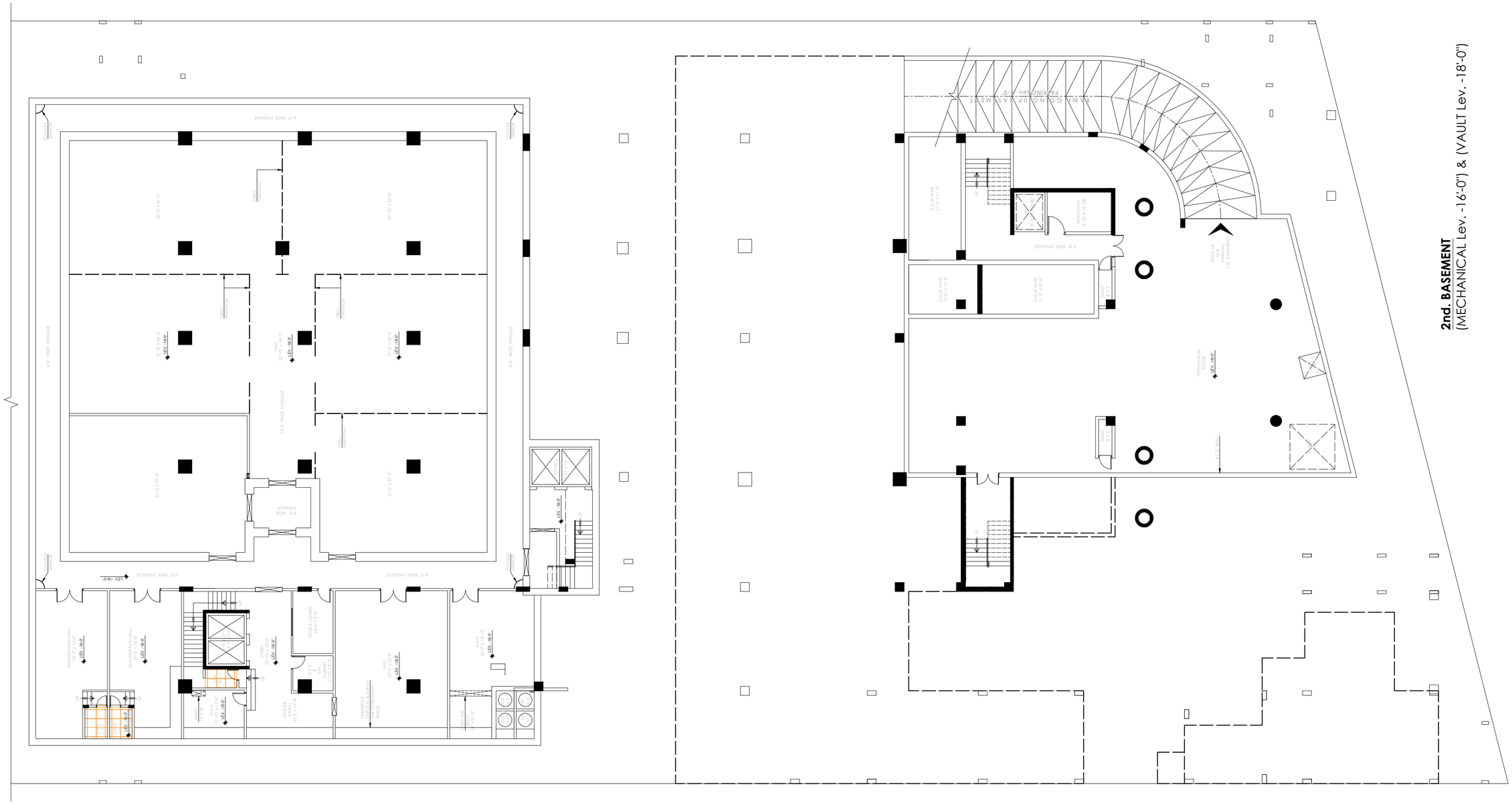
(CEILING LAYOUT)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608



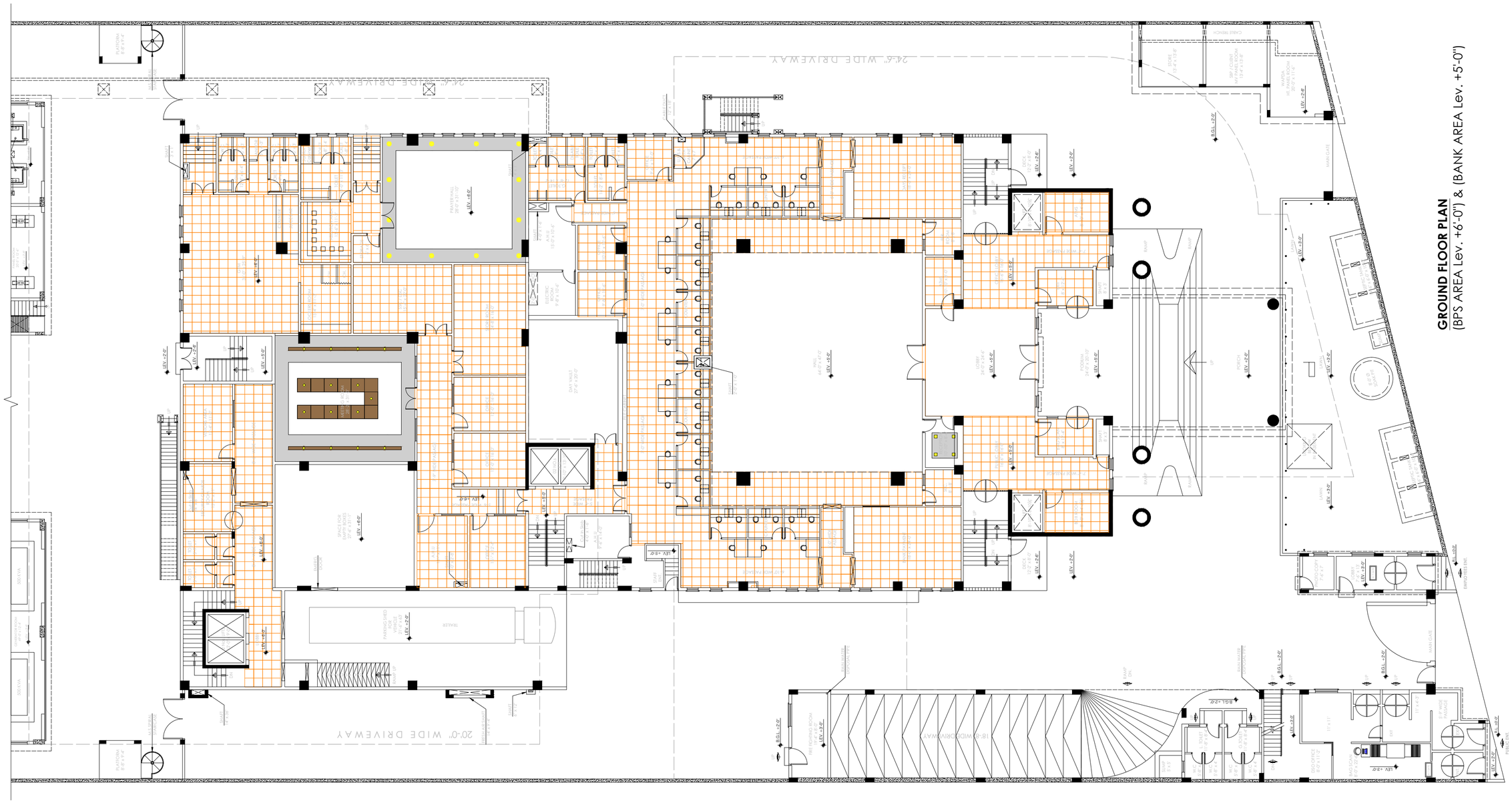
2nd. BASEMENT
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")

ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION

TENDER DRAWING

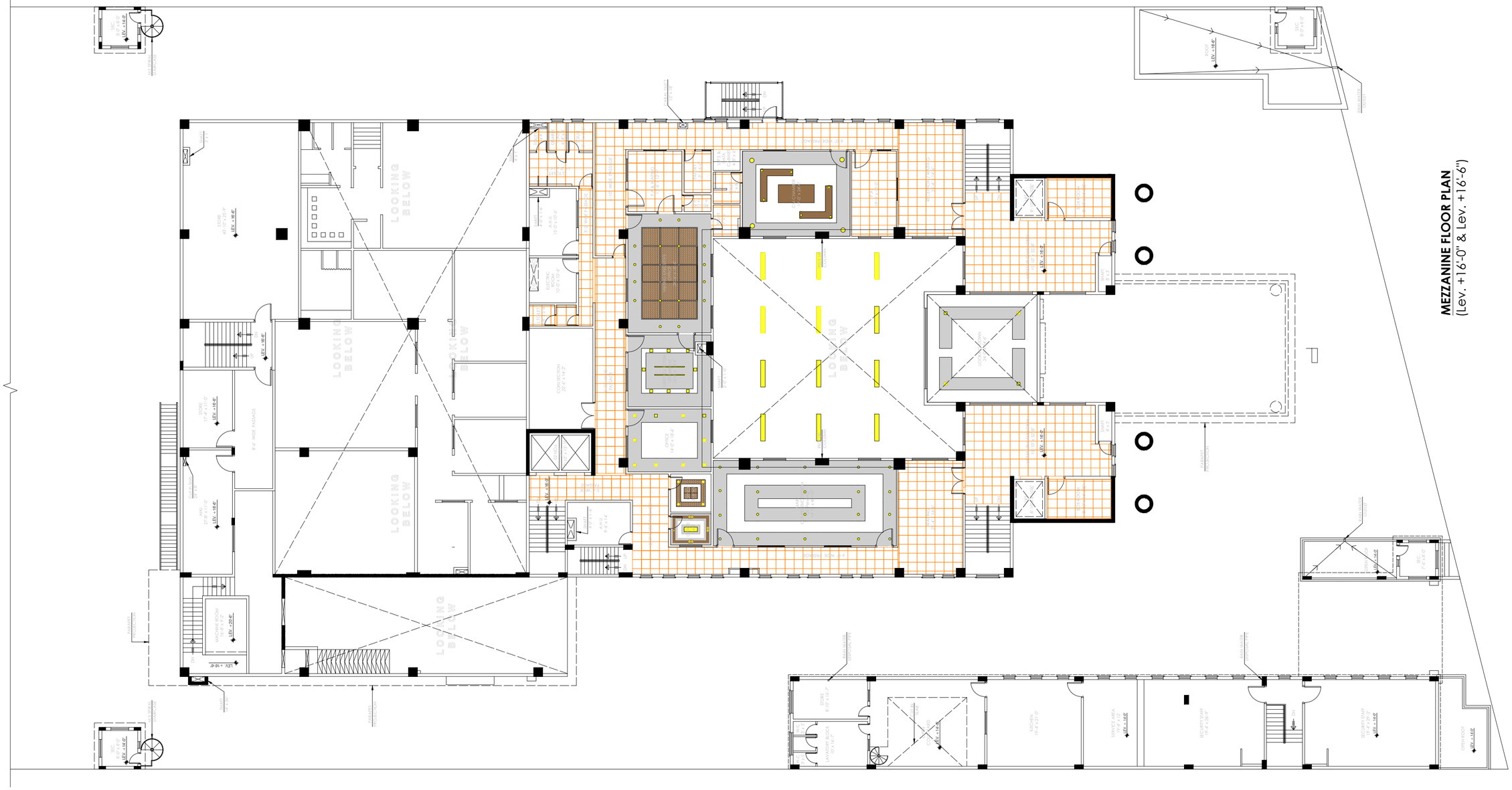
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: 2nd. Basement False Ceiling Plan	DATE: 16-11-2020 Revs	COM. LOCATION.	SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL	CHKD. BY: S.GAZDAR	JOB NO.	**F.C-01**

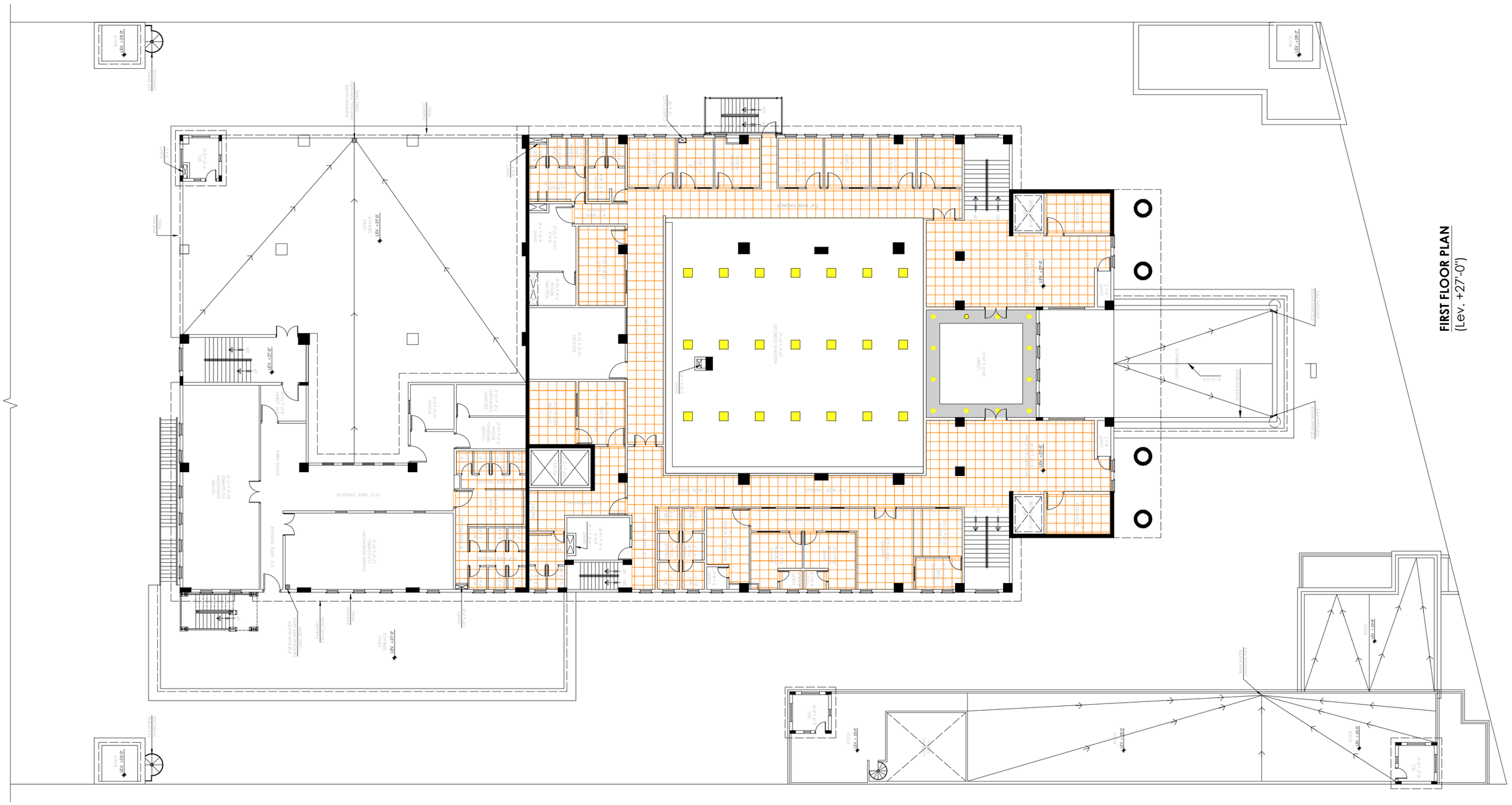


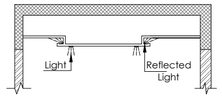
GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

TENDER DRAWING

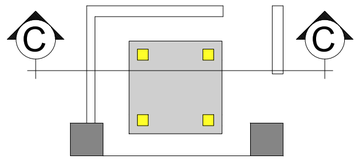
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: Ground Floor False Ceiling Plan	DATE: 16-11-2020 REV.0	COM. LOCATION.	SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL	CHKD. BY: S.GAZDAR	JOB NO.	**F.C-02**


LOOKING BELOW
LOOKING BELOW
LOOKING BELOW
LOOKING BELOW
LOOKING BELOW
STORE
43'-10" X 25'-9"
LEV. +16'-6"
STORE
17'-4" X 11'-0"
LEV. +16'-6"
8'-6" WIDE PASSAGE
PUMP
17'-8" X 11'-0"
LEV. +16'-6"
MACHINE ROOM
15'-6" X 9'-2"
LEV. +20'-6"
LEV. +16'-6"
OFFICE
14'-0" X 18'-6"
LEV. +16'-6"
CONNECTION
20'-0" X 6'-7"
LEV. +16'-6"
AHU
15'-0" X 10'-6"
LEV. +16'-6"
ELEC. ROOM
10'-0" X 10'-6"
LEV. +16'-6"
AHU
4'-6" X 11'-6"
LEV. +16'-6"
OPEN TO BELOW
LEV. +16'-6"
OPEN TO BELOW
LEV. +16'-6"
OPEN TO BELOW


FIRST FLOOR PLAN
(Lev. +27'-0")
OPEN
LEV. +27'-0"
OPEN TERRACE
LEV. +27'-0"
ROOF
LEV. +39'-0"
ROOF
LEV. +42'-0"
ROOF
LEV. +42'-0"
ROOF
LEV. +42'-0"
ROOF
LEV. +42'-0"
ROOF
LEV. +39'-0"
ROOF
LEV. +39'-0"
ROOF
LEV. +39



SECTION C-C



REFERENCE FALL CEILING

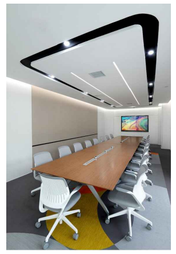
FALL CEILING PLAN RECEPTION ON GROUND FLOOR

(AT Lev. +5'-0" & 6'-0")

REFERENCE FALL CEILING

REFERENCE FALL CEILING

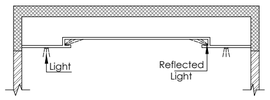
REFERENCE FALL CEILING



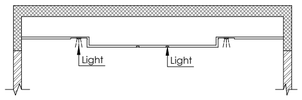
REFERENCE FALL CEILING

SECTION A-A

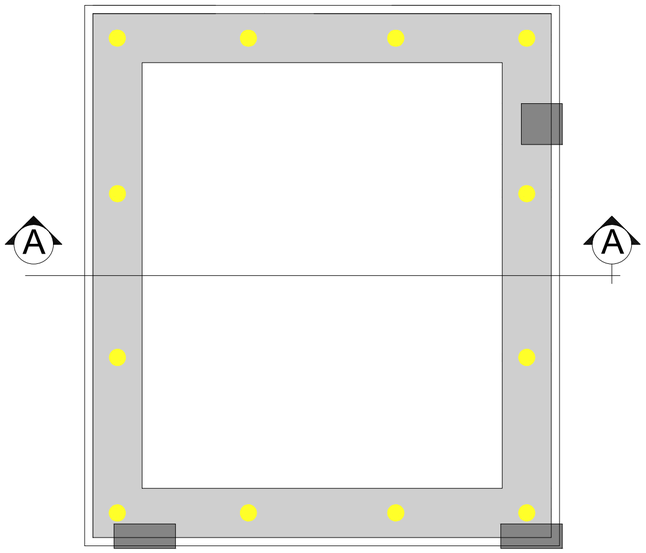
SECTION B-B



SECTION D-D

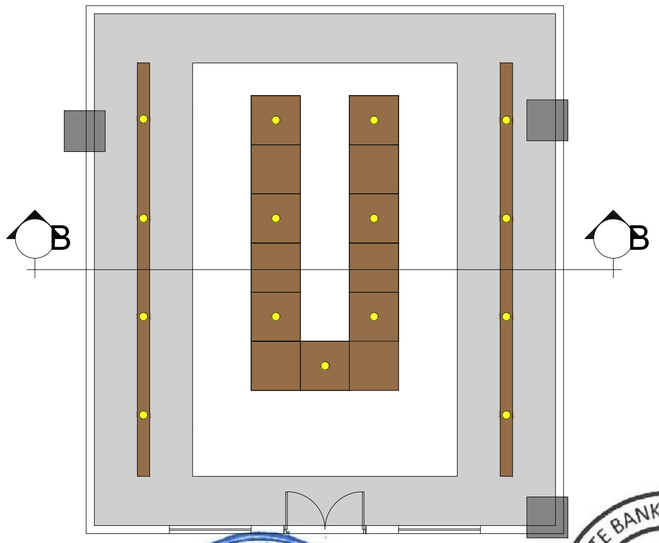


SECTION E-E



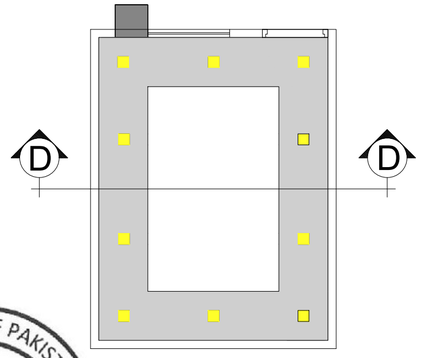
FALL CEILING PLAN PRAYER HALL ON GROUND FLOOR

(AT Lev. +5'-0" & 6'-0")



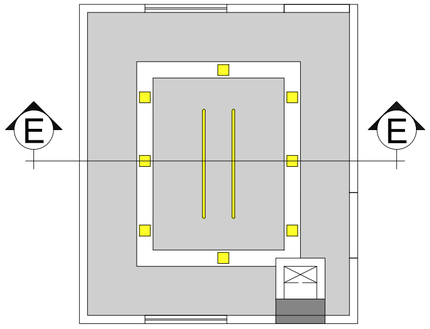
FALL CEILING PLAN MEETING ROOM ON GROUND FLOOR

(AT Lev. +5'-0" & 6'-0")



FALL CEILING PLAN OFFICE ON MEZZANINE FLOOR

(AT Lev. +16'-0")



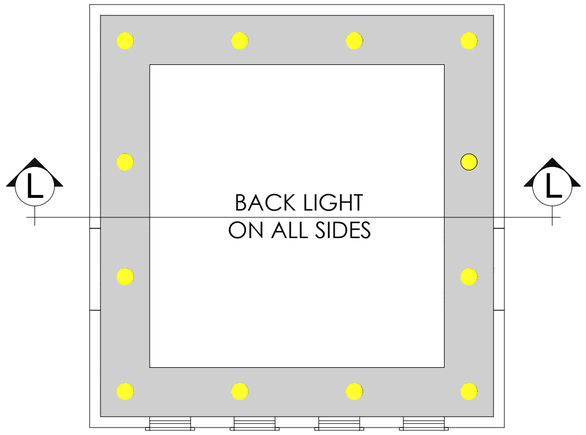
FALL CEILING PLAN MEETING ROOM ON MEZZANINE FLOOR

(AT Lev. +16'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: Design Of False Ceiling Plan Reference Images & Section	DATE: 16-11-2020 REVS	COM. LOCATION.	SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S / DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.		F.C-05

SECTION L-L



FALL CEILING PLAN LOBBY
ON FIRST FLOOR
(AT Lev. +27'-0")

REFERENCE FALL CEILING

REFERENCE FALL CEILING

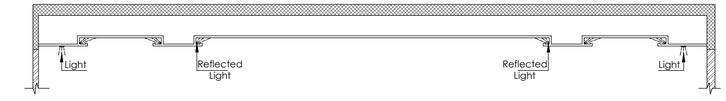
REFERENCE FALL CEILING

REFERENCE FALL CEILING

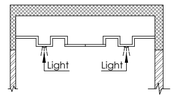
SECTION H-H

REFERENCE FALL CEILING

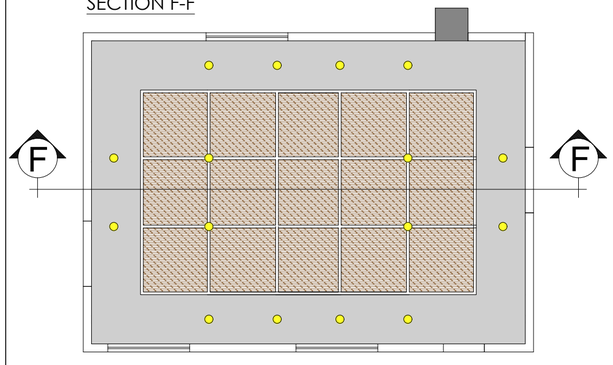
SECTION F-F



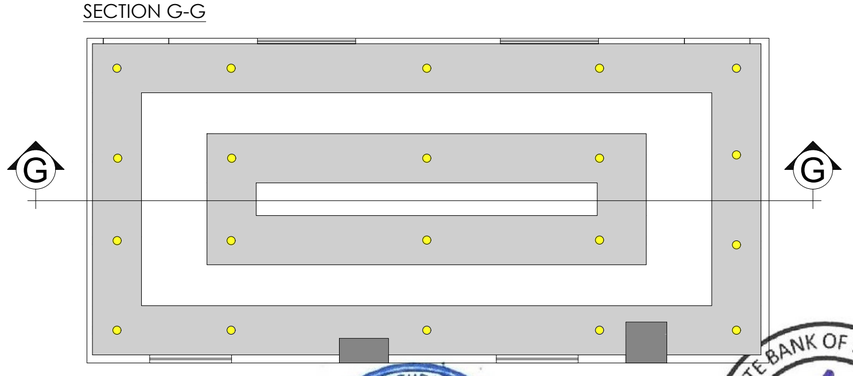
SECTION G-G



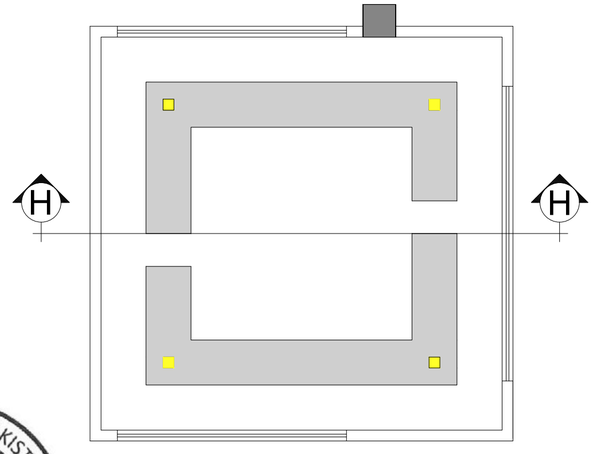
SECTION I-I



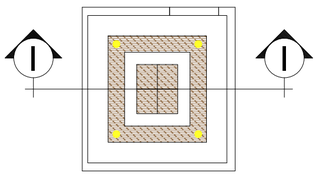
FALL CEILING PLAN VISITING EXECUTIVE OFFICE
ON MEZZANINE FLOOR
(AT Lev. +16'-0")



FALL CEILING PLAN MAIN CONFERENCE ROOM
ON MEZZANINE FLOOR
(AT Lev. +16'-0")



FALL CEILING PLAN LOOKING DOWN
ON MEZZANINE FLOOR
(AT Lev. +16'-0")

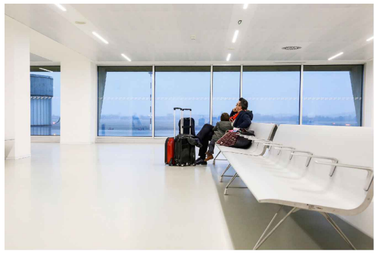


FALL CEILING PLAN OFFICE
ON MEZZANINE FLOOR
(AT Lev. +16'-0")

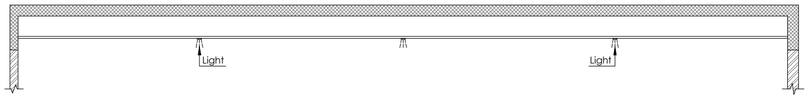
ESS.I.AAR
314, Mashriq Centre
5-S Sulaiman Road,
Gulshan-e-Iqbal
Block-13
Karachi

STATE BANK OF PAKISTAN
TENDER DRAWING
PROJECT MANAGEMENT DIVISION

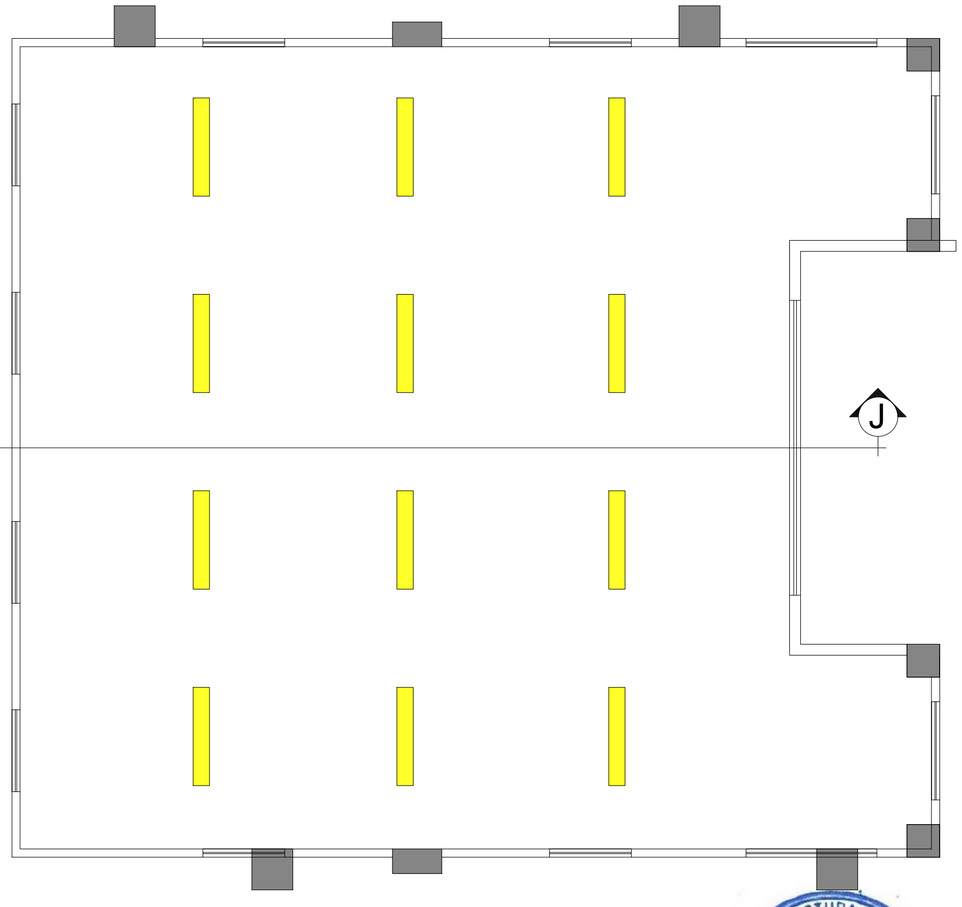
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: Design Of False Ceiling Plan Reference Images & Section	DATE: 16-11-2020 REV.0	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **F.C-06**



REFERENCE FALL CEILING

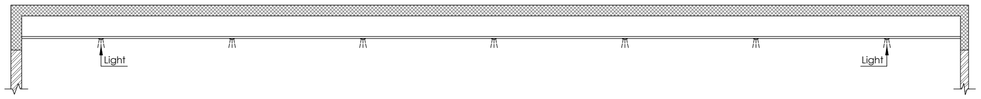


SECTION J-J

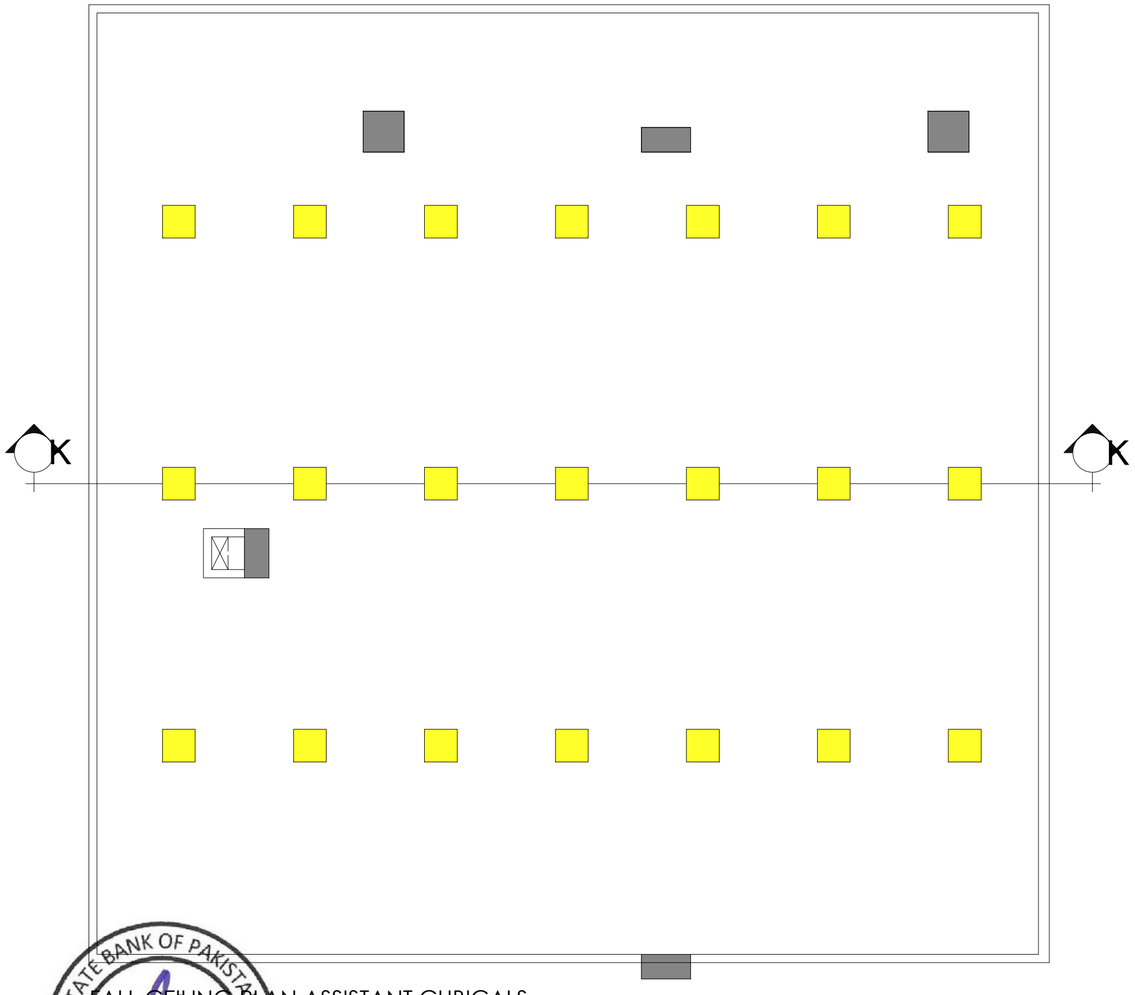


FALL CEILING PLAN LOOKING BELOW
ON MEZZANINE FLOOR
(AT Lev. +16'-0")

REFERENCE FALL CEILING



SECTION K-K



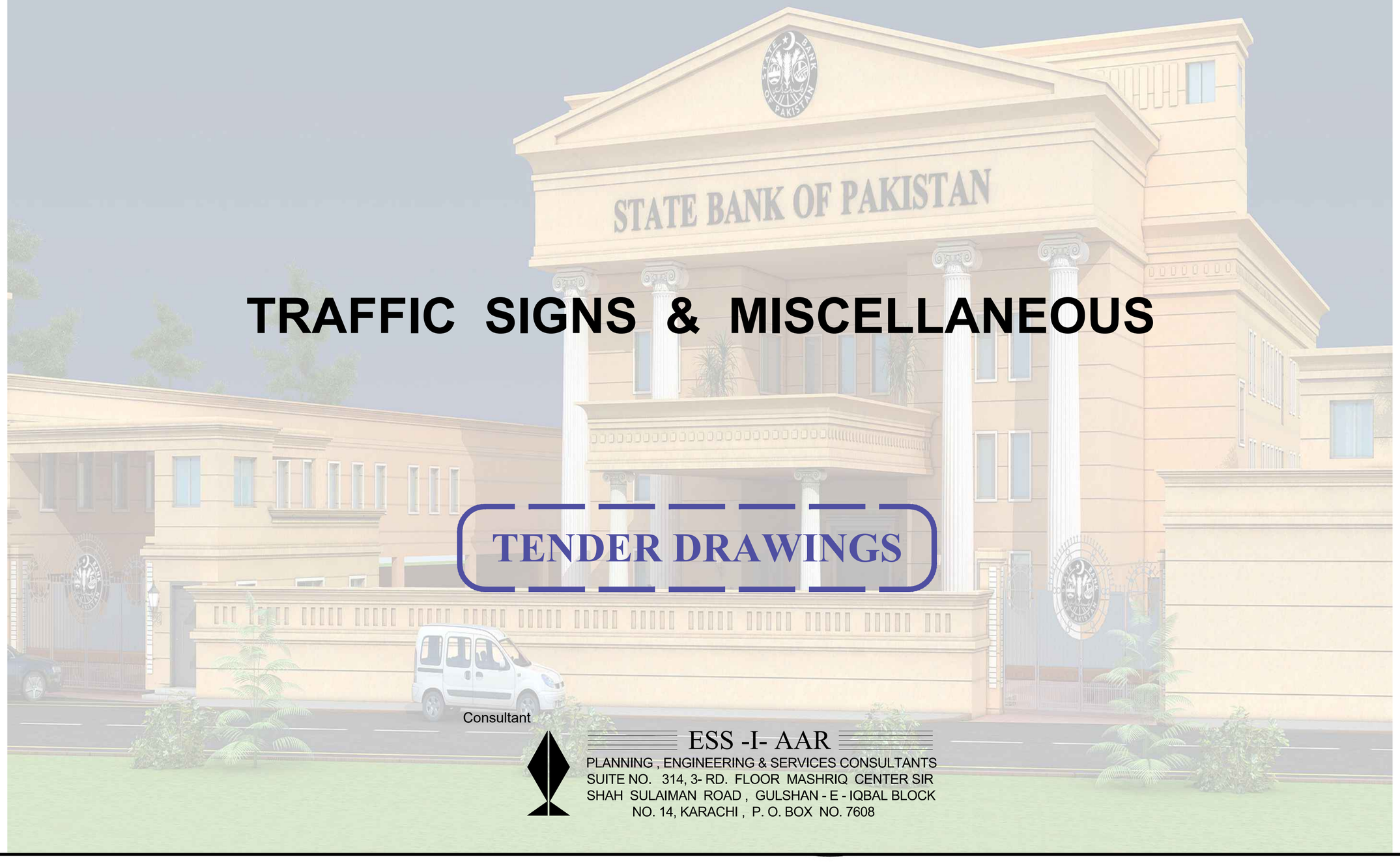
FALL CEILING PLAN ASSISTANT CUBICALS
ON FIRST FLOOR
(AT Lev. +27'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: Design Of False Ceiling Plan Reference Images & Section	DATE: 16-11-2020	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	F.C-07

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



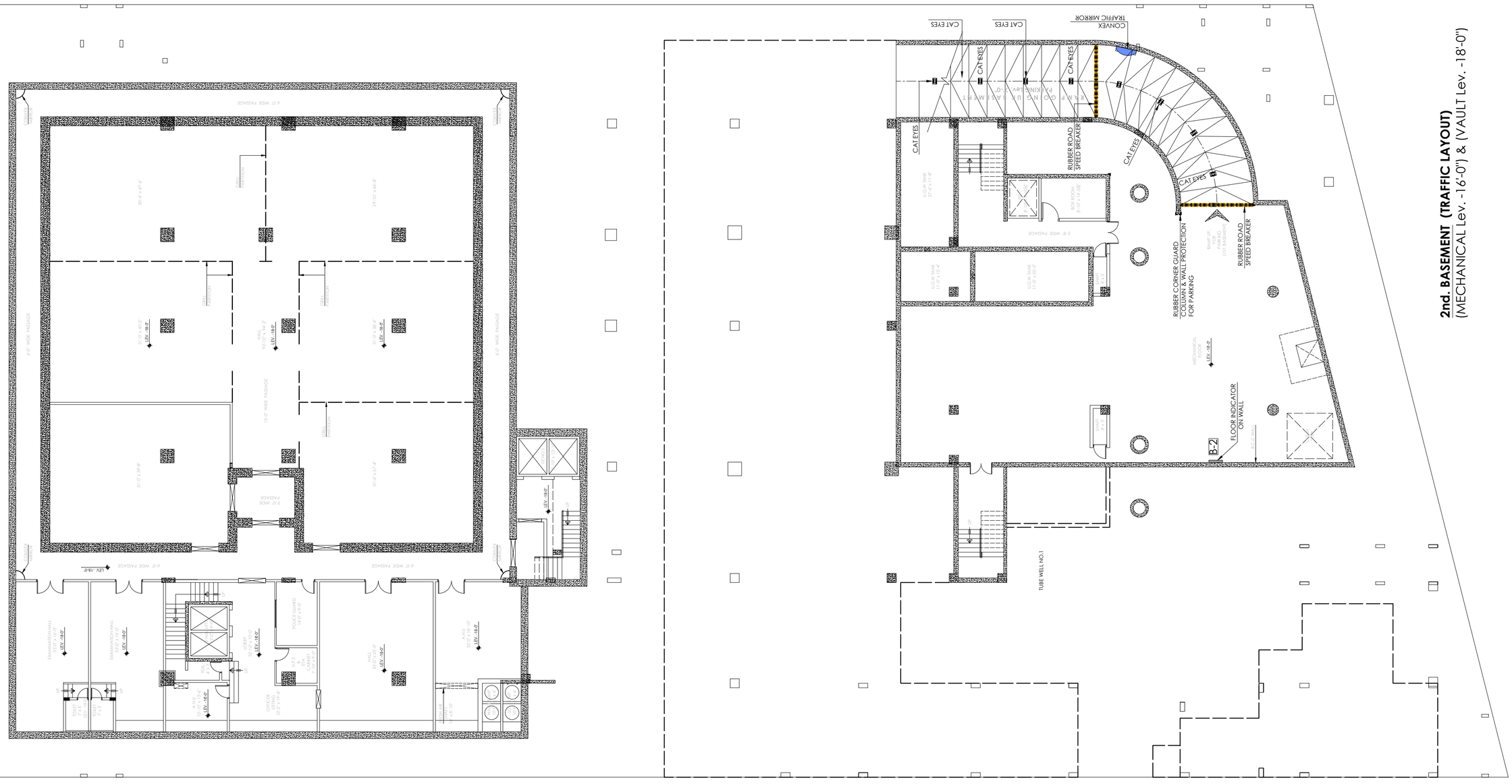
TRAFFIC SIGNS & MISCELLANEOUS

TENDER DRAWINGS

Consultant

ESS -I- AAR

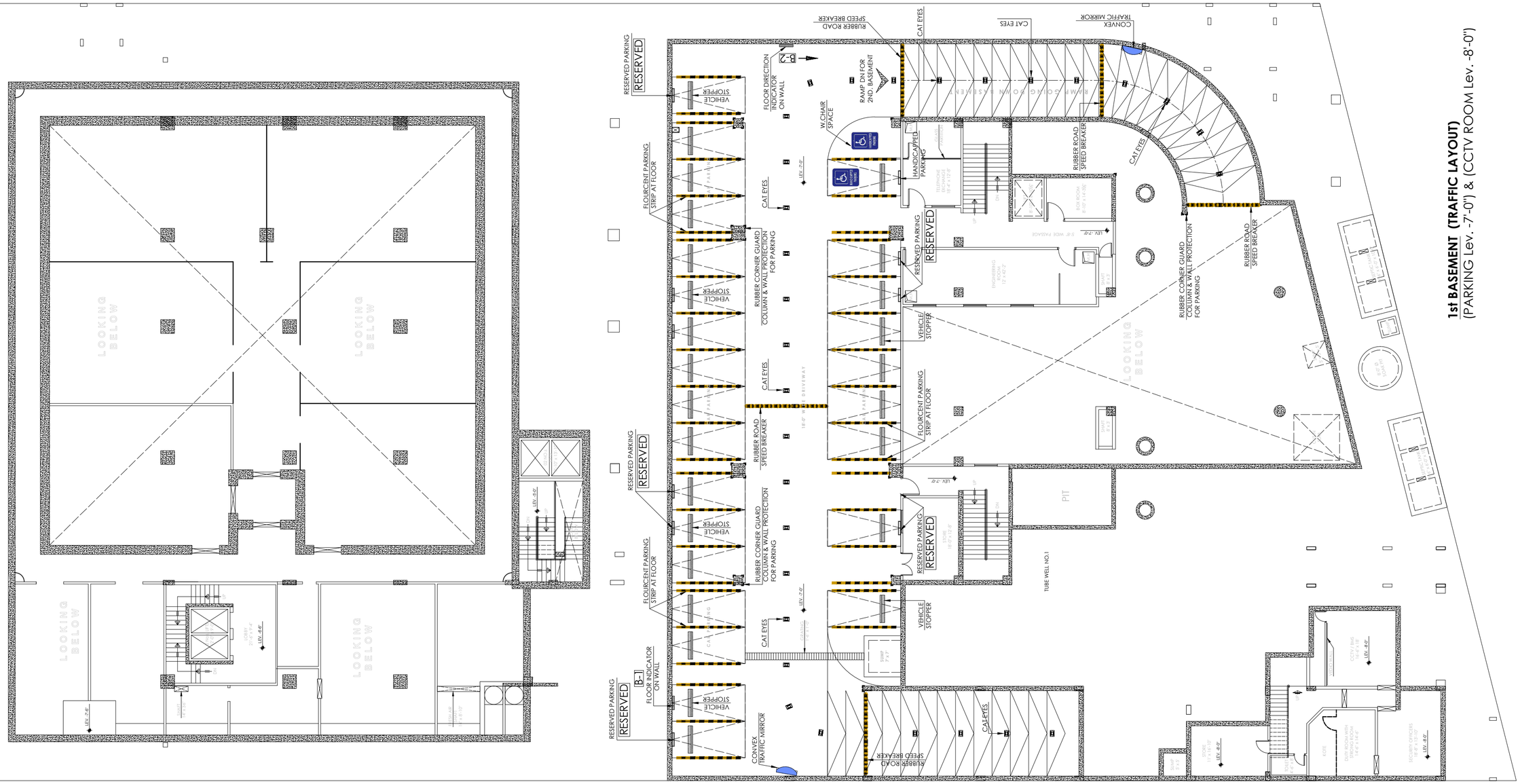
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608



2nd. BASEMENT (TRAFFIC LAYOUT)
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")

TENDER DRAWING

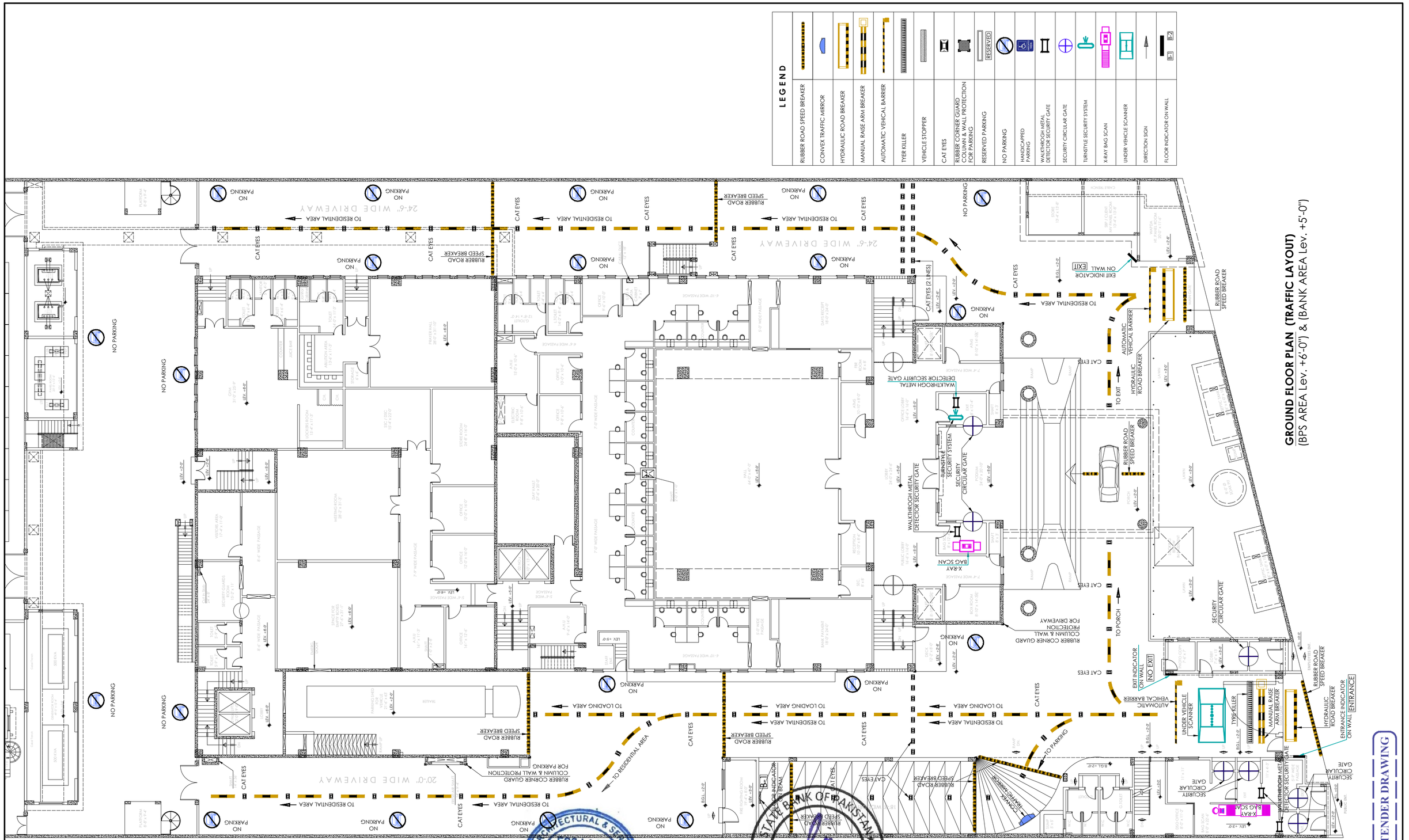
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT DIVISION — ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO. 2314 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: 2nd. BASEMENT PLAN TRAFFIC SIGN & MISCELLANEOUS	DATE: 16-11-2020	SHEET REF.: TRAFFIC
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
				CHKD. BY: S.GAZDAR	JOB NO.
					TF-01



1st BASEMENT (TRAFFIC LAYOUT)
(PARKING Lev. -7'-0") & (CCTV ROOM Lev. -8'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT DIVISION — ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314-3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: 1ST. BASEMENT PLAN TRAFFIC SIGN & MISCELLANEOUS	DATE: 16-11-2020	COM. LOCATION.	SHEET REF.: TRAFFIC
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL	CHKD. BY: S.GAZDAR	JOB NO.	TF-02



Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT DIVISION ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GROUND FLOOR PLAN TRAFFIC SIGN & MISCELLANEOUS	DATE: 16-11-2020	COM. LOCATION.	SHEET REF. TRAFFIC
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR	JOB NO.	TF-03

HYDRAULIC ROAD BLOCKER

Our High Security Road Blockers are designed for use in high security high traffic applications. The Road Blocker is easy to install and provides highly secure vehicle access control system.

The Road Blocker retracts below ground providing safe access for authorized vehicles. When the vehicle passes, the Road Blocker returns to the active position ensuring total protection from unauthorized vehicle.

SPECIFICATIONS:

Mechanism:
- 6kw motor.
- Immersed pump.
- Extra Heavy Duty Solenoid Valves for reliability and safety in operation.
- Approximate running pressure 80 bar.

Interface:
- Can interface with most access systems.

Normal Operating Speed:
- 6-8 seconds.

Power Supply:
- 380V 50Hz.

Power Rating:
- 3ph rated at 10 amp.

Axle Weight:
- Any road going vehicle (in house test certificate).

Crash Ratig:
- 7.5 tons @ 80kph/50mph with nil penetration - PAS 68:2007
- In energy terms exceeds DOS K12 certification @ 6.8 tons.

WHRB-M01	WHRB-M02	WHRB-M03	WHRB-M04	WHRB-M05	WHRB-M*
2000mm	3000mm	3600mm	4800mm	5500mm	As per order

* Add height of raised obstacle: 665mm

AUTOMATIC VECHICLE BARRIER

WIB automatic vehicle barrier is a light, compact and fast speed barrier gate with features of being waterproof and antirust. This product is safe, reliable and easy to operate whereby customers can also benefit from a extreme position locking function or manual rail-lifting alarm function (optional).

- Box material 2.0mm cold rolled steel plate.
- Arm material is aluminum alloy.
- Opening/closing time is 4 to 6 seconds with manual and remote control.
- Protection degree is IP65.
- Motor power AC220,50HZ.

WAB-DHD6	WAB-DPX2(LED DISPLAY)	WAB-M03
3000mm	4000mm	6000mm

MANUAL RAISE ARM BARRIER

WIB manual barriers are rising arm barriers that are manually operated to control vehicle access.

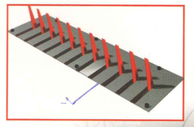
Manual barriers are ideal for parking control, road access and traffic management requirements.

- Manual Barriers construction: 125/100/50 mm mild steel round/rectangle hollow section double egged pedestal.
- Manual barrier arm height 1050 mm.
- Base coat primer, main coat with Black/Red/Yellow or White markings are also available.

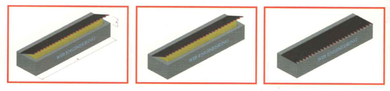
WMB-M01	WMB-M02	WMB-M03	WMB-M*
4500	6000	9000	As per requirement

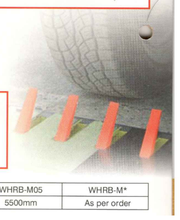
TYRE KILLER

WIB Tyre Killer offers protection by disabling any intruding vehicle by destroying wheel rims and tyres. With low maintenance required and availability of wide range of choices of different standard widths. WIB Tyre Killers are extremely heavy duty, built entirely of steel with components from steel plate. The product provides high security for sensitive areas against forced and unauthorized entry or exit of motor vehicles whereby tyres are destroyed when forced entry or escape is attempted.



Features:
* Solid killer spikes in 60° killing position.
* Killer height 90 mm.
* Robust below ground casing with concrete anchors.
* Shadow installation depth (200 mm).
* Carry load up to 50 Ton.
* Max. Passing velocity 30km/hr
*Anti corrosive.





WHRB-M01	WHRB-M02	WHRB-M03	WHRB-M04	WHRB-M05	WHRB-M*
2000mm	3000mm	3600mm	4800mm	5500mm	As per order

UNDER VECHICLE SCANNER

Another one of our high-tech products is an under vehicle scanner system with 04 Ultra High Resolution Camera Modules (One Camera Module for Number Plate, One for Driver Image and 02 Camera Module used for Under vehicle Searching)

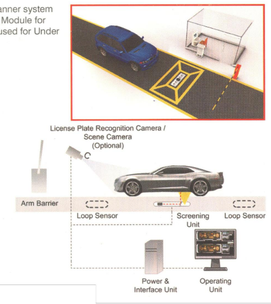
Specification of the Camera
- 1/3" Color Day & Night High Resolution, High Sensitivity CCD Camera with HLC Feature and Auto Iris Lens

Specifications of the IR Lights
- 04 Modules of IR Lights
- Built-in Cut-off Sensor
- Supreme Quality

Specifications of the Digital Video Recorder
- 04 Channel Digital Video Recorder Pentaplex with 250GB Hard Disk Drive

Specifications of the LCD Monitor
- 17" Color LCD Monitor

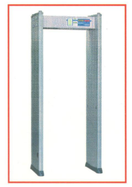
Specifications of the Ramp
- Galvanized Steel Material
- Rust Proof
- Compensate Vehicles like Cars, Jeeps, Trucks
- Thoroughly Scan even the Large Size Vehicles



WALKTHROGH METAL DETECTOR SECURITY GATE

WIB walk through gate is a product that is used in almost all public premises. This product enables instant checking of any individual and has a high detecting system.

Features:
- Detection region and the body contour of a combination of LED alarm indicator, accurate to determine the location of metal objects.
- Each region has 100 adjustable sensitivity, in accordance with the requirements in the 0-99 arbitrary regulation, such as exclusion of the first belt, zippers and other objects interfere.
- Assembled structure, and ease of installation.



WIB-100A	WIB-600A	WPD6500I
Multi Zone	12/18 Zones	33 Zones

TURNSTYLE SECURITY SYSTEM

This product is a form of gate which allows one person to pass at a time. It can also be made so as to enforce one-way traffic of people, and in addition, it can restrict passage only to people who insert a coin, a ticket, a pass, or similar.

Tripod Turnstile Series
1. Vertical type
2. Stainless steel 304#
3. Two-side card reading, paper ticket, fingerprint, coins.
4. Working mode and opening time is adjustable
5. LED light direction guide
6. Pole automatically falls down if electricity is cut down

Intelligent Wing Turnstile Series
1. Bridge type for 1 channel
2. Stainless steel 304#
3. Two-side card reading, paper ticket, fingerprint, coins.
4. Infrared light detecting, Alarming when illegal infiltration or tailing
5. Clamping avoid
6. Working mode and opening time is adjustable
7. LED direction guide
8. Counting function

WTS-M01	WTS-M02
Tripod series	Intelligent wing series

X-RAY BAGGAGE SCANNER

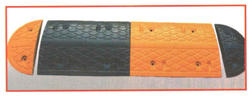
WIB offers a range of Multi-energy X-ray baggage scanners with various tunnel sizes as per different premises requirement. This scanner is ideal for checkpoints, small baggage and large baggage scanning in high security areas such as Airports, Government offices, Railways, Banks, Malls, Hotels, etc.

Features:
- Highly assessable
- All models offer the conveyer speed of 0.22m/s
- Easy accommodation and inspection of hand baggage and parcels.
- High resolution monitoring
- Threat image projection

Model	WXS-M(AT5030A)	WXS-M(AT6040)	WXS-M(AT6550)	WXS-M(AT8065)
Tunnel size	503(W)*303(H)mm *(Mail and small parcel inspection)*	615(W)*418(H)mm	658(W)*500(H)mm	810(W)*656(H)mm

RUBBER ROAD SPEED BREAKER

Speed Humps are good for locations where very low speeds are desired and reasonable, and noise and fumes are not a major concern.Special cat eye, the reflective effect is the same the diamond grade reflective sheeting film.

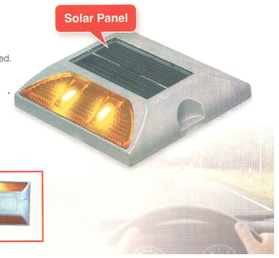


Features:
1. Speed Bumps are grooved for drainage of the rain water.
2. Skid Resistant base helps it making better grip on the road.
3. Instant installation with application of epoxy & spikes for anchoring.
4. No need for painting again & again due to Pre-coloured material.
5. Available in Black and Yellow combination for greater visibility.
6. Speed Bumps & Ramp are ideal for installation in the city area, private colonies, hospitals, schools. other campusses, security check posts, parking areas, loading areas etc.

REFLECTIVE TRAFFIC CAT EYE

Road studs or cats eyes have a wide range of applications and come in a variety of types and design depending on the application. We provide two primary models.

Features:
1) Suitable for edge line of road and pavement
2) Can use over 180hrs in the foggy or rainy day after fully charged.
3) Can work more than 3 years normally
4) Energy saving and environmental protection
5) Fix firmly the product by epoxy resin glue or screws
6) It can load-bearing 20 tons
7) Waterproof and unbreakable
8) Solar panel, electronics and optics are fitted inside



CONVEX TRAFFIC MIRRORS

WIB stainless steel traffic mirrors have a galvanized steel back, hood and feature a powder coated traffic orange color for enhanced visibility.

The stainless steel face is virtually indestructible which makes it ideal in traffic situations where vandalism or projectile objects are a problem.

WTM-M01	WTM-M02	WTM-M03
24" diameter	32" diameter	40" diameter

TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314-3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TRAFFIC SIGNS & MISCELLANEOUS	16-11-2020		TRAFFIC
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR / JOB NO.	TF-04

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA

EXTERNAL SERVICES

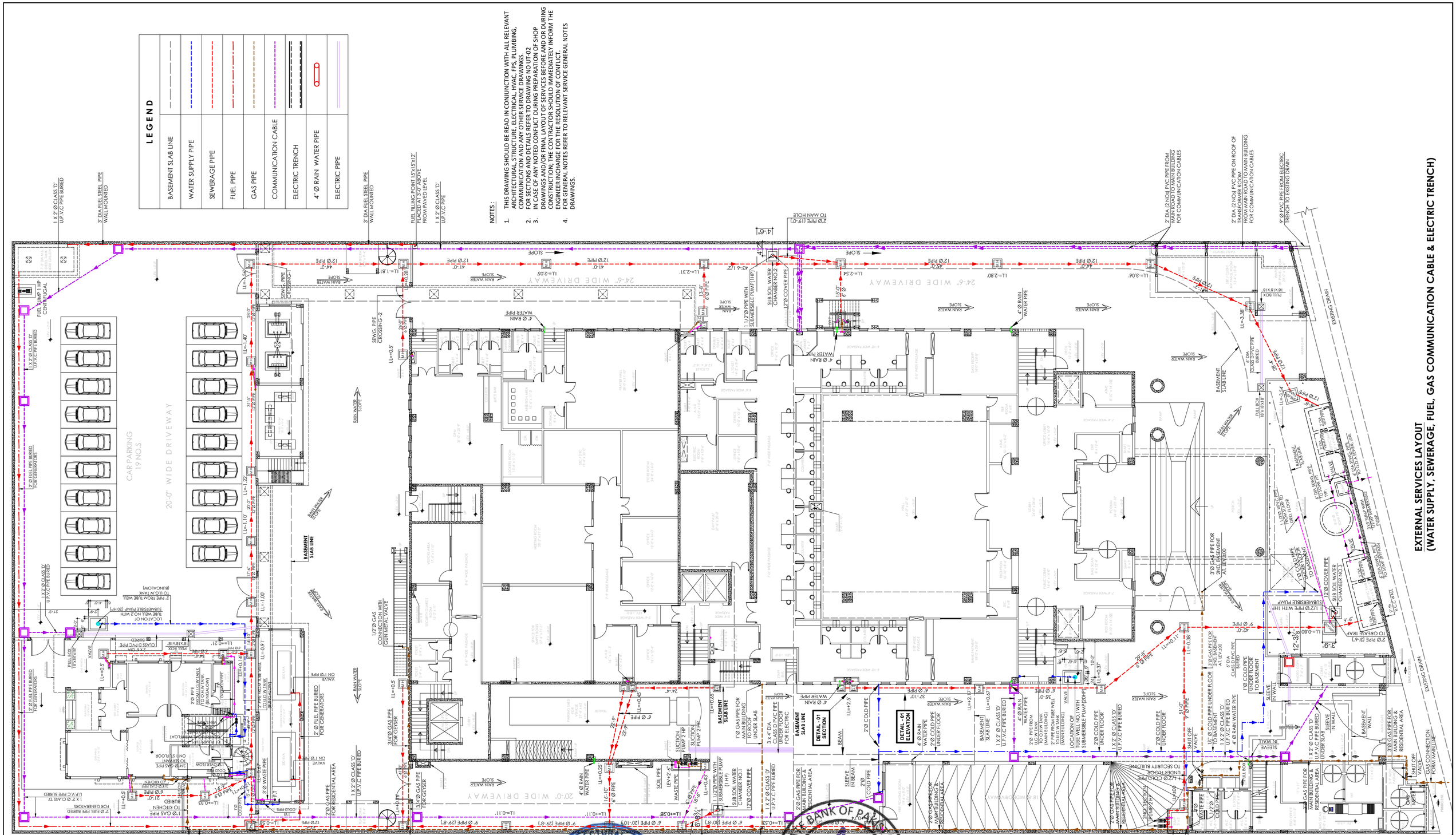
TENDER DRAWINGS

Consultant

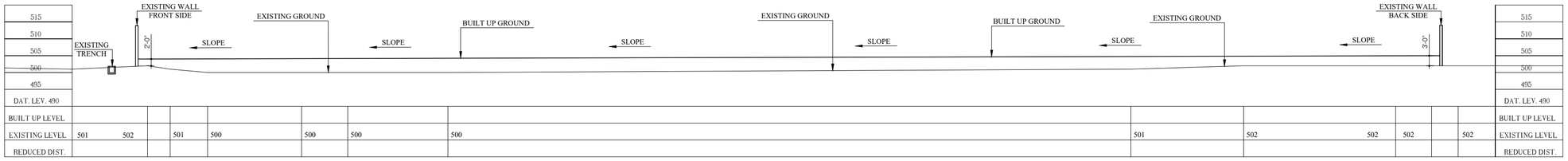
ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

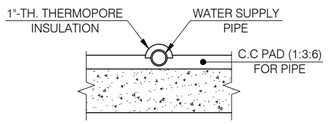
EXTERNAL SERVICES LAYOUT
(WATER SUPPLY, SEWERAGE, FUEL, GAS COMMUNICATION CABLE & ELECTRIC TRENCH)



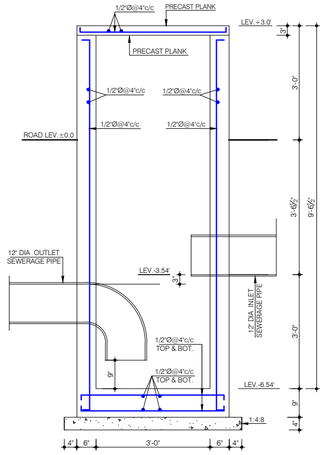
Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	MASTER PLAN EXTERNAL SERVICES LAYOUT	24-11-2018		UTIL.
			Ref. Rev.	SCALE N.T.S	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR	JOB NO.	UT-01



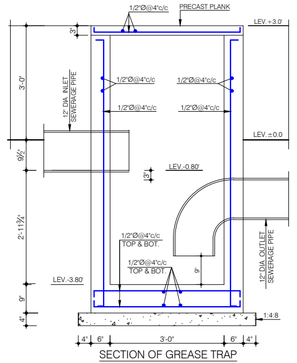
LONGITUDINAL PROFILE SHOWING RAIN WATER SLOPE



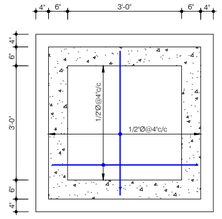
REINF. PLAN OF PRECAST PLANK

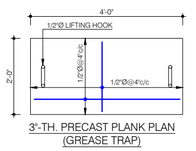


SECTION OF GREASE TRAP
TRANS. / WAPDA ROOM SIDE

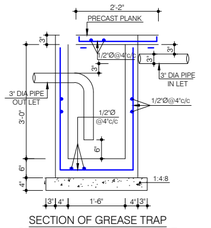


SECTION OF GREASE TRAP
SECURITY OFFICE SIDE

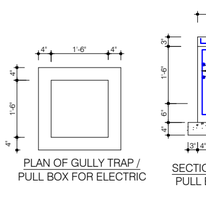




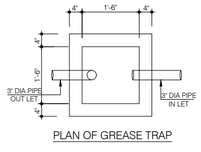
3'-TH. PRECAST PLANK PLAN
(GREASE TRAP)



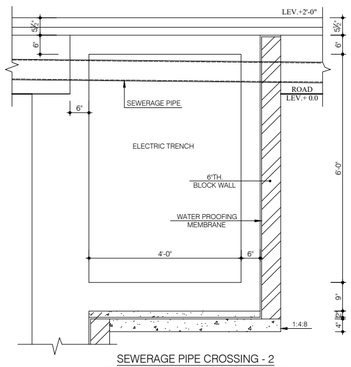
SECTION OF GREASE TRAP
SHOWING PIPE ARRANGEMENT



3'-TH. PRECAST PLANK PLAN
(GREASE TRAP)

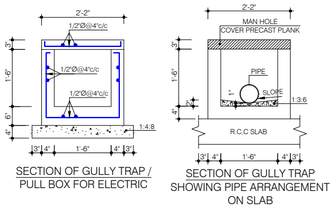


PLAN OF GREASE TRAP

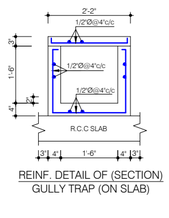


SEWERAGE PIPE CROSSING - 2
ELECTRIC TRENCH (MAIN BUILDING)

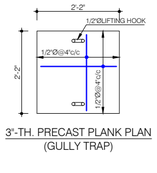
SECTION OF GULLY TRAP /
PULL BOX FOR ELECTRIC



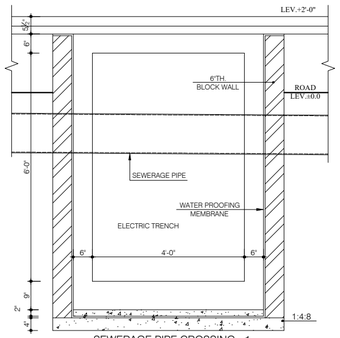
SECTION OF GULLY TRAP
SHOWING PIPE ARRANGEMENT
ON SLAB



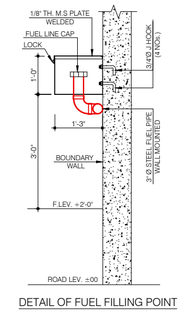
REINF. DETAIL OF (SECTION)
GULLY TRAP (ON SLAB)



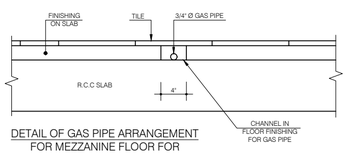
3"-TH. PRECAST PLANK PLAN
(GULLY TRAP)



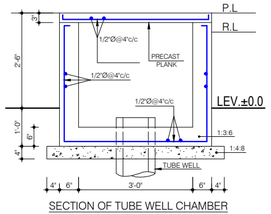
SEWERAGE PIPE CROSSING - 1
ELECTRIC TRENCH (PANEL ROOM)



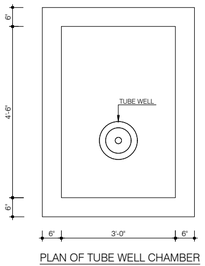
DETAIL OF FUEL FILLING POINT



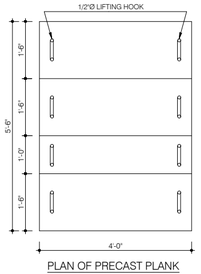
DETAIL OF GAS PIPE ARRANGEMENT
FOR MEZZANINE FLOOR FOR



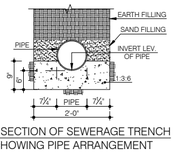
SECTION OF TUBE WELL CHAMBER



PLAN OF TUBE WELL CHAMBER

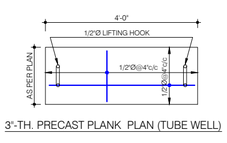


PLAN OF PRECAST PLANK
TUBE WELL CHAMBER

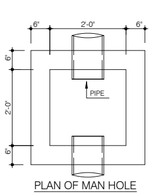


TYP. SECTION OF SEWERAGE TRENCH
SHOWING PIPE ARRANGEMENT

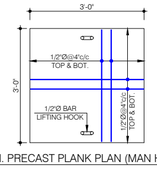
TYP. SECTION FOR SEWERAGE
PIPE SUPPORT OVER PAVEMENT LEV.



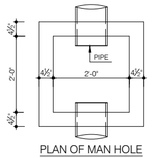
3'-TH. PRECAST PLANK PLAN (TUBE WELL)



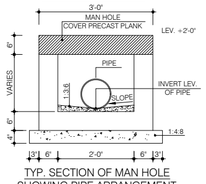
PLAN OF MAN HOLE



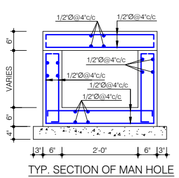
6"-TH. PRECAST PLANK PLAN (MAN HOLE)



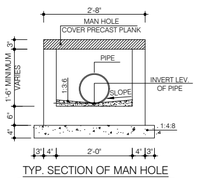
PLAN OF MAN HOLE



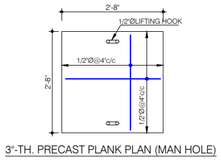
TYP. SECTION OF MAN HOLE
SHOWING PIPE ARRANGEMENT
(DRIVEWAY)



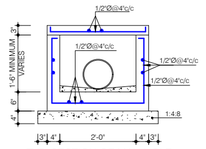
TYP. SECTION OF MAN HOLE
SHOWING REINFORCEMENT
(DRIVEWAY)



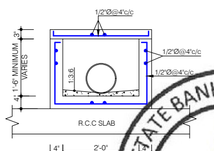
TYP. SECTION OF MAN HOLE
SHOWING PIPE ARRANGEMENT



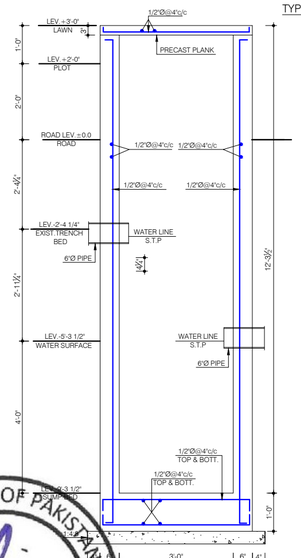
3'-TH. PRECAST PLANK PLAN (MAN HOLE)



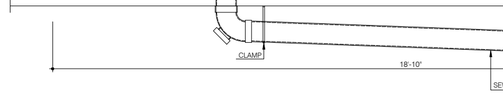
TYP. SECTION OF MAN HOLE
SHOWING REINFORCEMENT (ON EARTH)



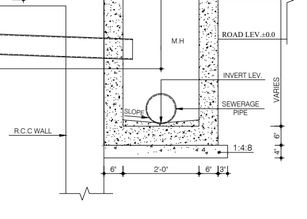
TYP. SECTION OF MAN HOLE
SHOWING REINFORCEMENT
ON SLAB

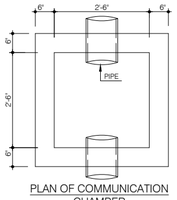


SECTION OF SUMP FOR G.D.A SEWER. LINE

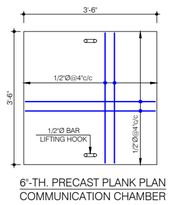


TYP. ARRANGEMENT OF SEWERAGE PIPE
(UNDER DRIVEWAY)

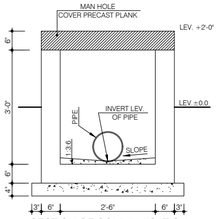




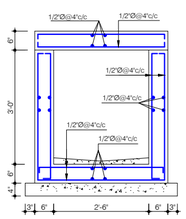
PLAN OF COMMUNICATION
CHAMBER



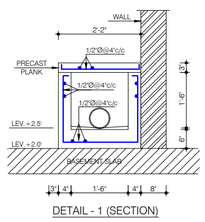
6"-TH. PRECAST PLANK PLAN
COMMUNICATION CHAMBER



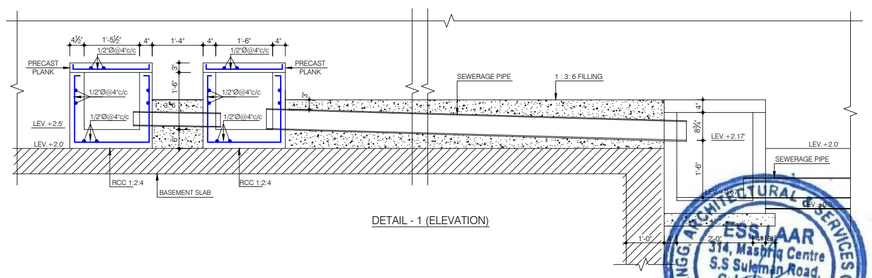
SECTION OF COMMUNICATION
CHAMBER (PIPE ARRANGEMENT)



REINF. DETAIL OF (SECTION)
COMMUNICATION CHAMBER



DETAIL - 1 (SECTION)



DETAIL - 1 (ELEVATION)

ENGINEERING ARCHITECTURAL & SERVICES CONSULTANTS
ESS-I-AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TYPICAL DETAILS OF UTILITY SERVICES	24-11-2018		UTIL.

Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	
	N.T.S	M. FAYSAL	S.GAZDAR		UT-02

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA

MAIN BUILDING

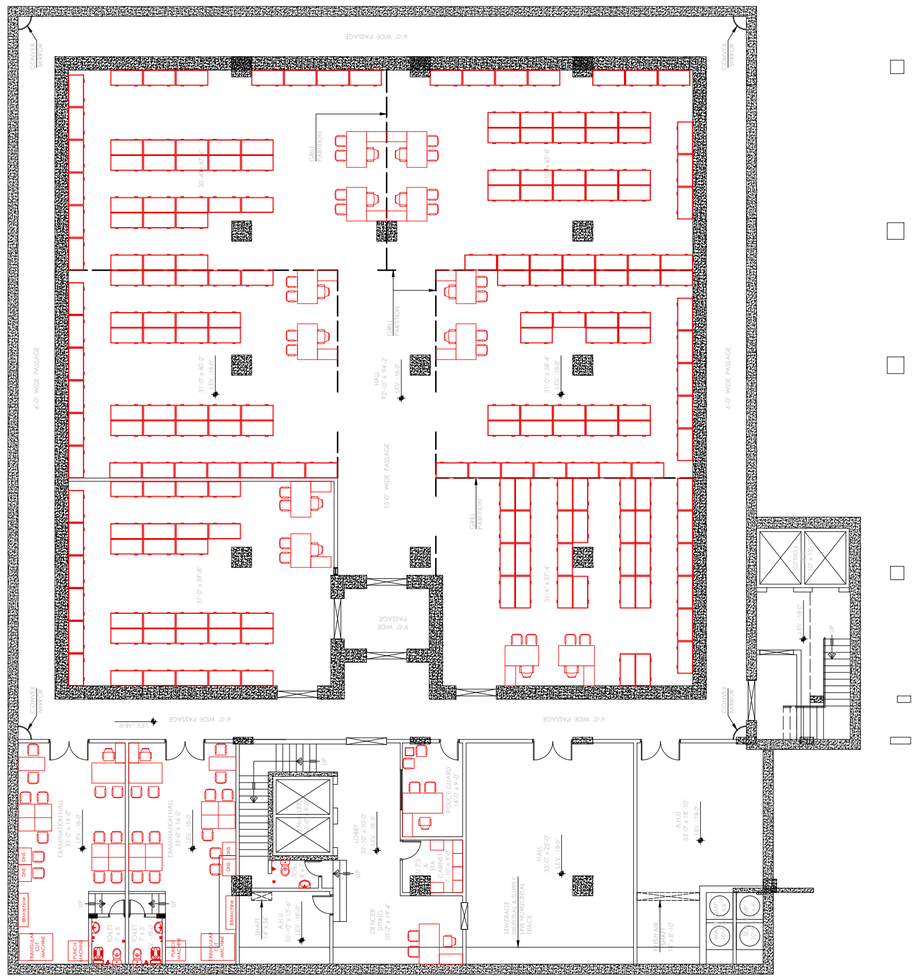
(FURNITURE LAYOUT)

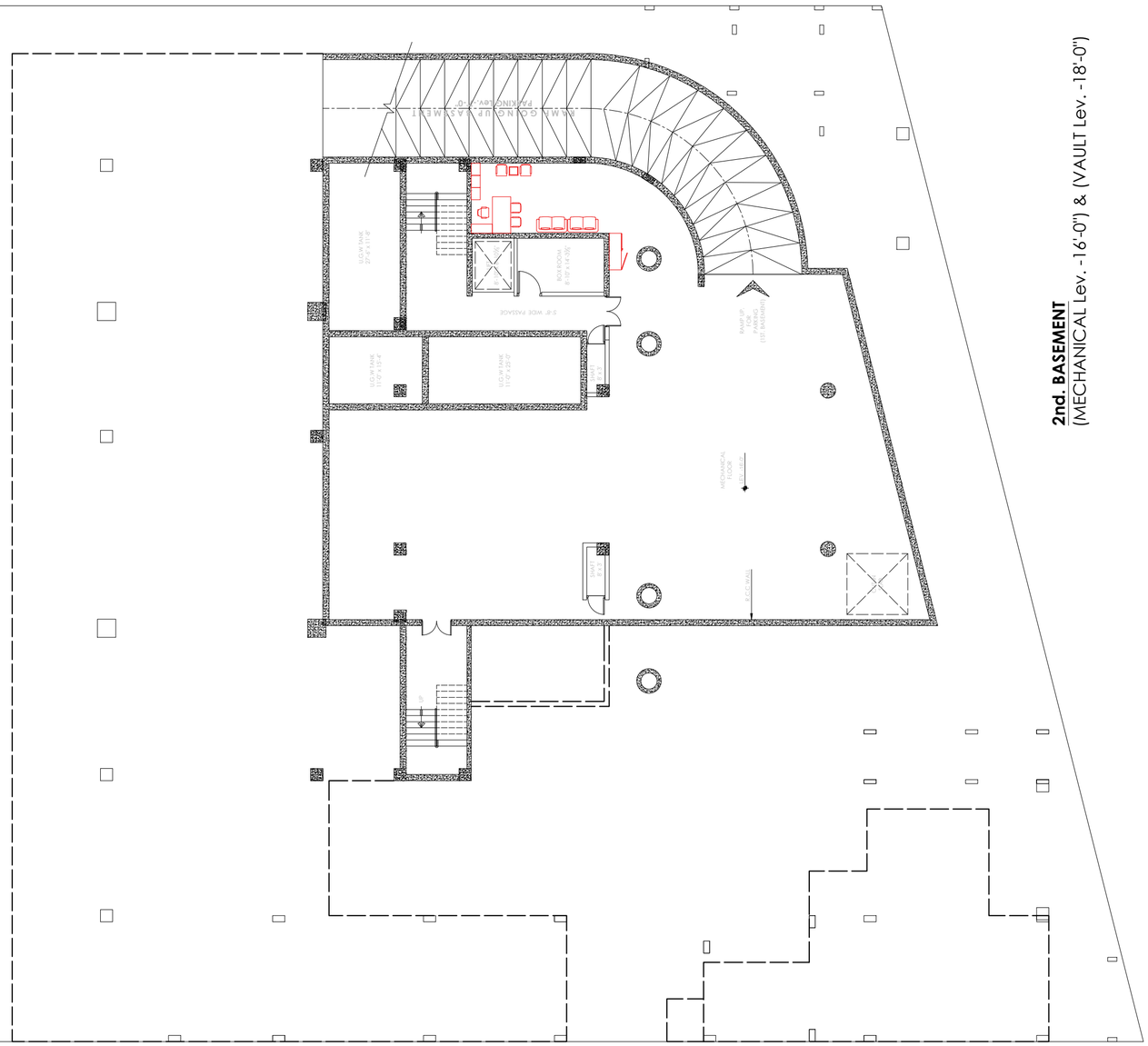
TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

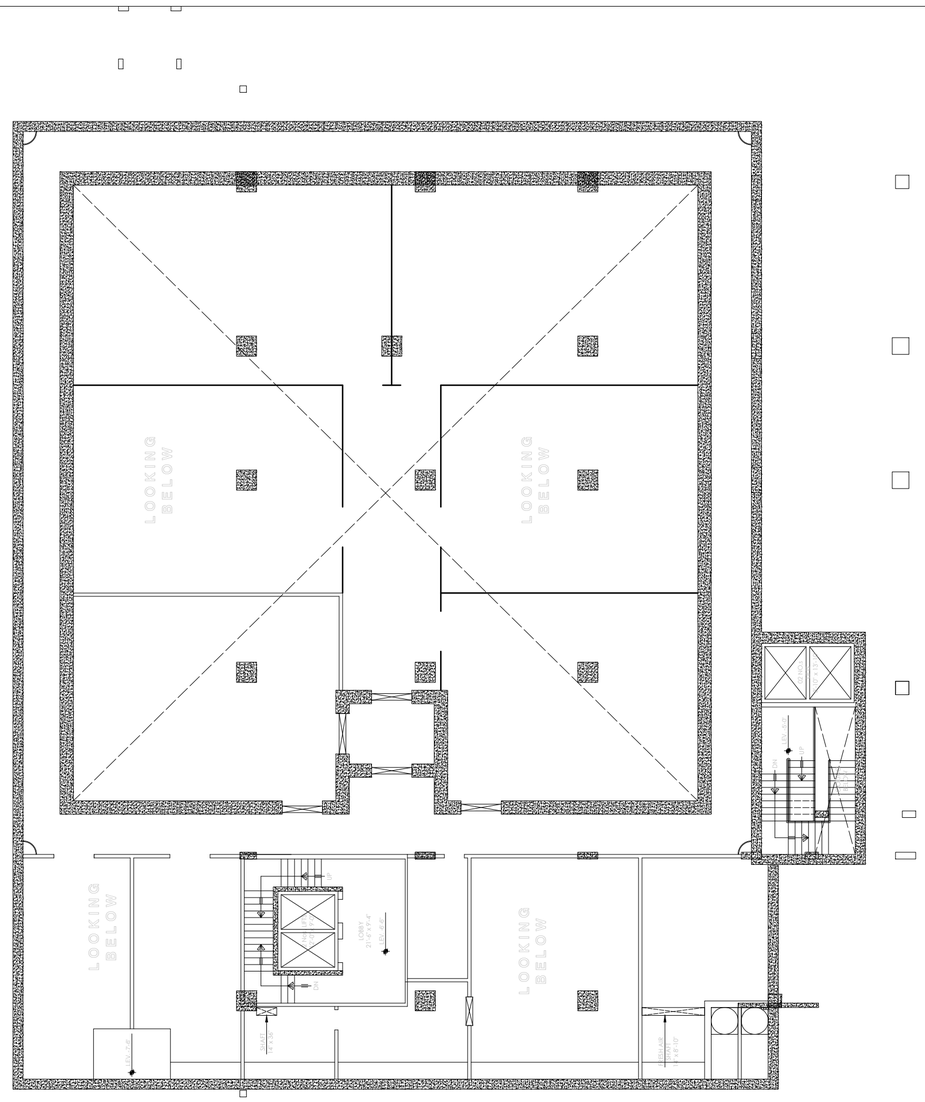


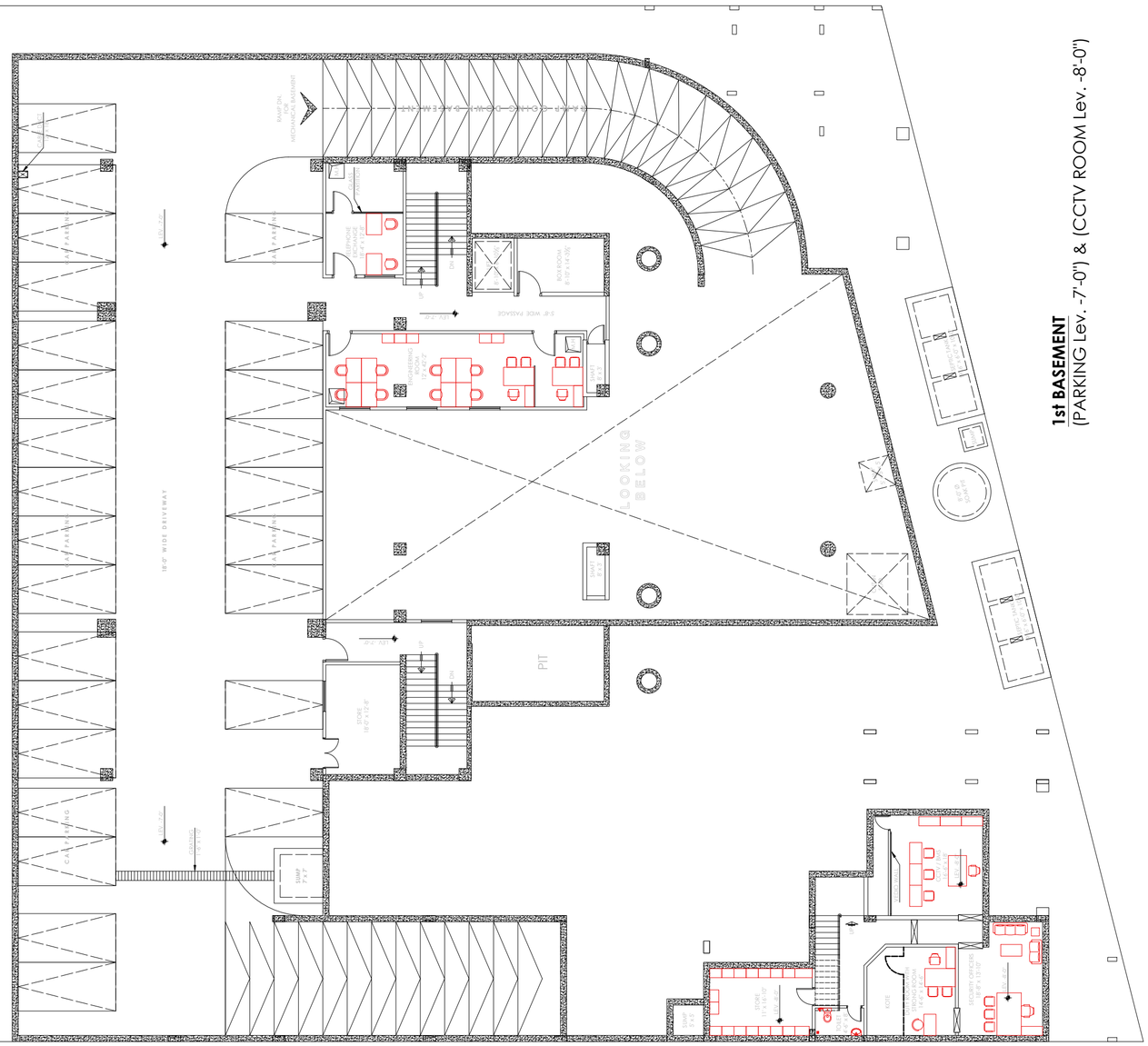


2nd. BASEMENT
(MECHANICAL Lev. -16'-0") & (VAULT Lev. -18'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: 2ND. BASEMENT (FURNITURE LAYOUT)	DATE: 16-11-2020	COM. LOCATION.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL
			CHKD. BY: S.GAZDAR	JOB NO.	SHEET REF.: ARCH. **FUR-01**




LOOKING BELOW
PIT
18'-0" WIDE DRIVEWAY
CAR PARKING
RAMP DN FOR MECHANICAL EQUIPMENT
5'-6" WIDE PASSAGE
SECURITY CONTROL ROOM
SECURITY CONTROL ROOM
STORE
SHAFT
SHAFT
SHAFT

GROUND FLOOR PLAN
(BPS AREA Lev. +6'-0") & (BANK AREA Lev. +5'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: PROJECT MANAGEMENT DIVISION — ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND FLOOR PLAN (FURNITURE LAYOUT)	DATE: 16-11-2020	COM. LOCATION.	SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL	CHKD. BY: S.GAZDAR	JOB NO.	FUR-03

MEZZANINE FLOOR PLAN
(Lev. +16'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: MEZZANINE FLOOR PLAN (FURNITURE LAYOUT)	DATE: 16-11-2020 REVISED	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE N.T.S	DRAWN M. FAYSAL / CHKD. BY S.GAZDAR / JOB NO.	FUR-04

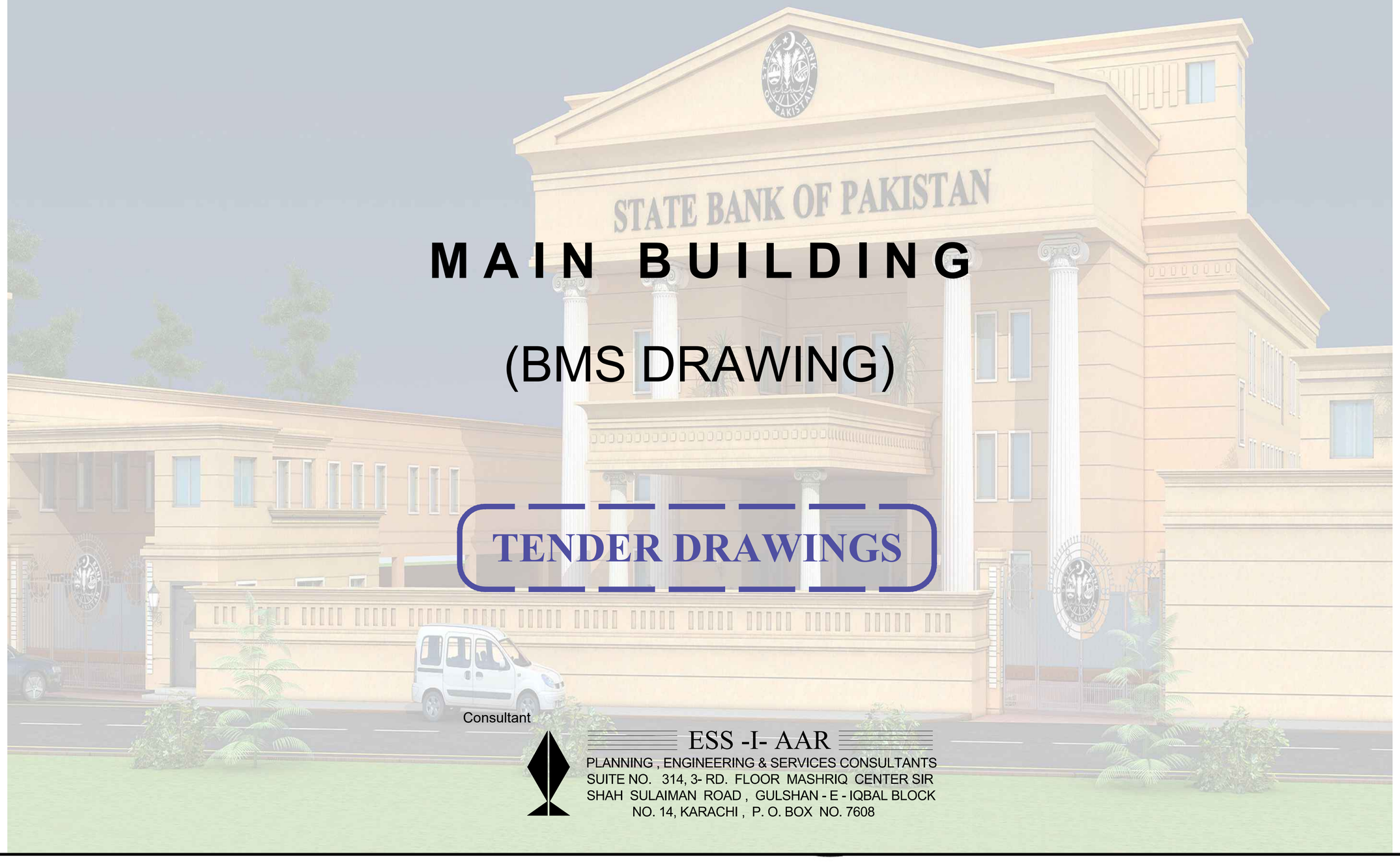
FIRST FLOOR PLAN
(Lev. +27'-0")

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **MAIN BUILDING**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: FIRST FLOOR PLAN (FURNITURE LAYOUT)	DATE: 16-11-2020	SHEET REF. ARCH.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO.	FUR-05

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



MAIN BUILDING

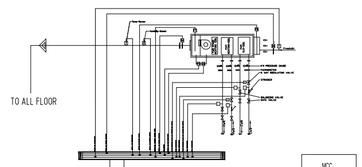
(BMS DRAWING)

TENDER DRAWINGS

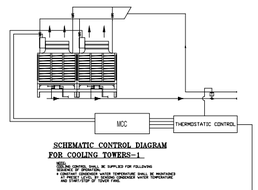
Consultant

ESS -I- AAR

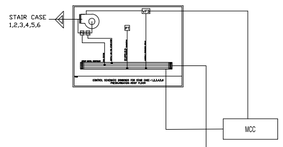
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

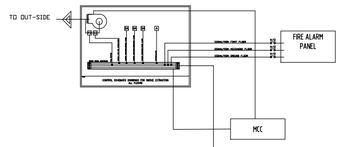


AUTOMATIC CONTROL SCHEMATIC FOR FA AHU-1, FA AHU-2



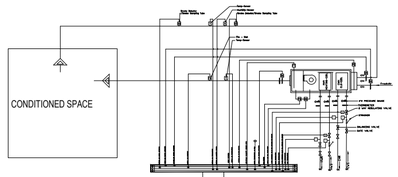
SCHEMATIC CONTROL DIAGRAM FOR COOLING TOWERS-1



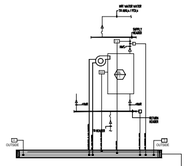


SYMBOLS

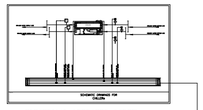
- M — TWO WAY MODULATING VALVE
- T — TEMPERATURE SENSOR
- FS — FIRE STAT
- H — HUMIDITY SENSOR
- FA — FIRE ALARM
- C.S. — CFM TRANSMITTER
- M/D — MOTORISED DAMPER
- SMOKE & HEAT DETECTOR
- PT — PRESSURE TRANSMITOR
- ΔP — DIFFRENTIAL PRESSURE SWITCH
- ΔPT — DIFFRENTIAL PRESSURE TRANSMITTER
- GEAR OPERATED BUTTERFLY VALVE
- STRAINER WITH DRAIN COCK
- FLEXIBLE RUBBER BELLOW
- CHECK VALVE
- CONTROL FLOW REGULATING VALVE



AUTOMATIC CONTROL SCHEMATIC FOR
AHU-1, AHU-2,AHU-3,AHU-4,AHU-5,AHU-6,AHU-7,AHU-8,AHU-9,AHU-10

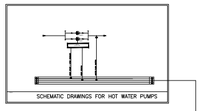


SCHEMATIC CONTROL DIAGRAM FOR HOT WATER HEATER

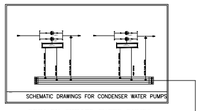


ELECTRICAL OPERATED SCREW CHILLER

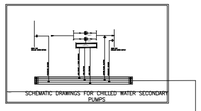
COMUNICATION LINK CABLE



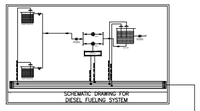
HOT WATER PUMPS



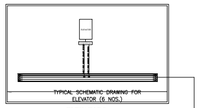
PRIMARY CHILLED WATER PUMPS
CONDENSER WATER PUMPS



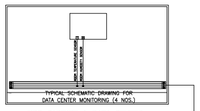
SECONDARY CHILLED WATER PUMPS



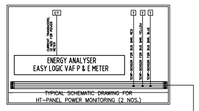
DIESEL FUELING SYSTEM



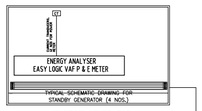
ELEVATORS



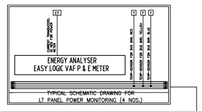
UPS-CABINET & DATA CENTER MONITORING



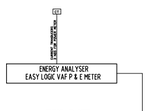
HT PANEL POWER MONITORING



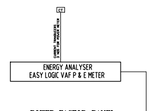
STANDBY GENERATOR POWER MONITORING



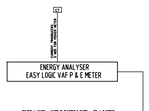
LT PANEL POWER MONITORING



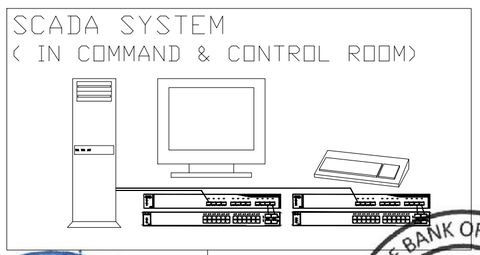
SYNC-PANEL POWER MONITORING



POWER FACTOR-PANEL POWER MONITORING



PHASE SEQUENCE-PANEL POWER MONITORING



TENDER DRAWING

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT SBP BSC HOK

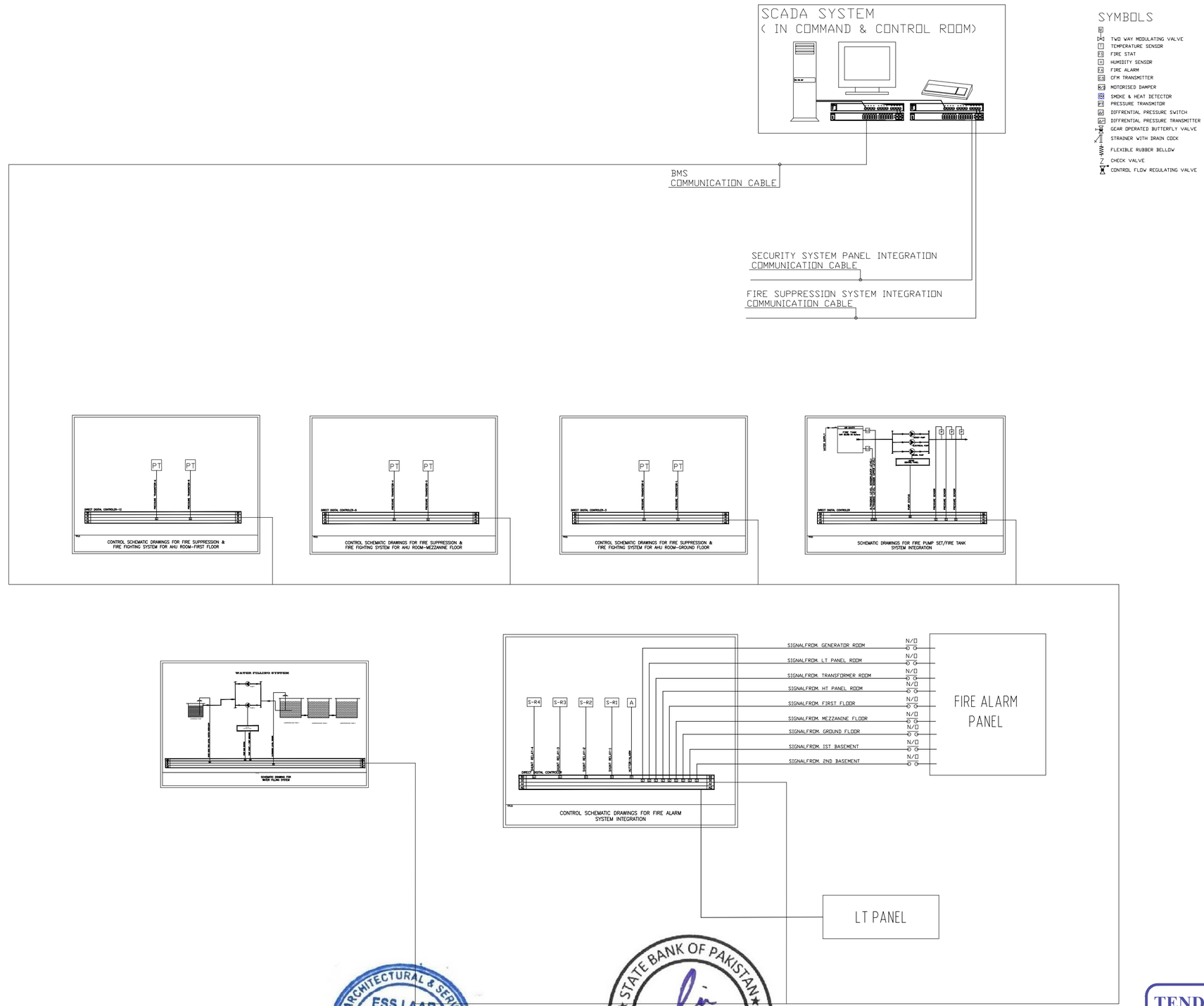
ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I-AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314,
3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD ,
GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: Automatic Controls & BMS Schematic For HVAC system & Engineering System		DATE 12-3-2021	COM. LOCATION.		SHEET REF. HVAC
Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	BMS-1



TENDER DRAWING

PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT SBP BSC HOK
STATE BANK OF PAKISTAN

ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS

Client **CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA**

ESS- I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITENO. 314,
3-RD.FLOOR MASHRIQ CENTRE SIR SHAH SULAIMAN ROAD ,
GULSHAN- E-IQBAL BLOCK NO.14,KARACHI,P.O.BOX NO.7608
PHONE NO.34890770 FAX NO.(92-21)4941059 E-mail: e_i_a@hotmail.com

TITLE: Fire Protection System Layout for Controls & BMS		DATE 12-3-2021	COM. LOCATION.		SHEET REF. F.P
Ref. Rev.	SCALE: N.T.S	DRAWN: AHMED	CHKD. BY ZEESHAN	JOB NO.	**BMS-2**

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA

BUNGALOW

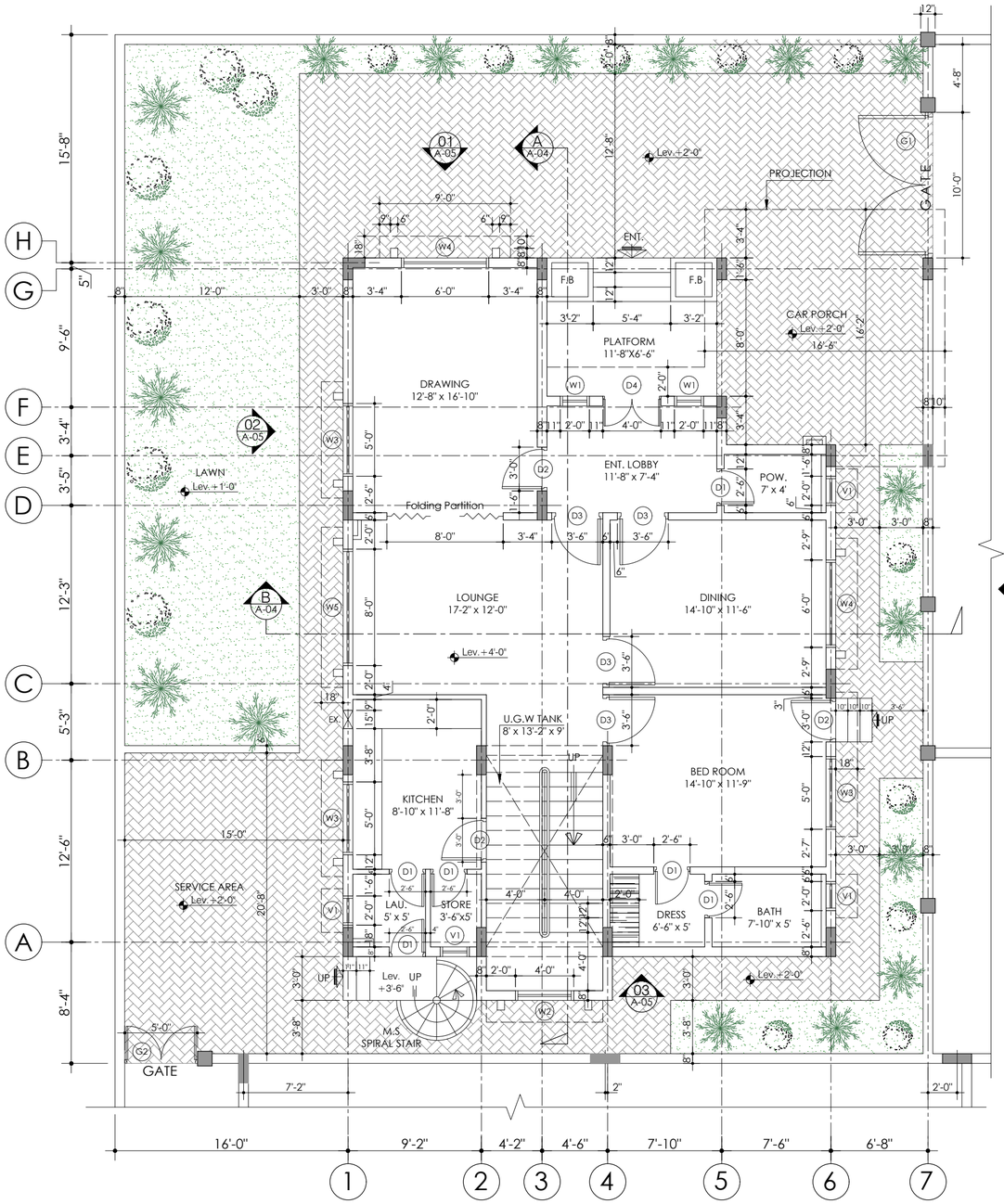
(ARCHITECTURAL DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR

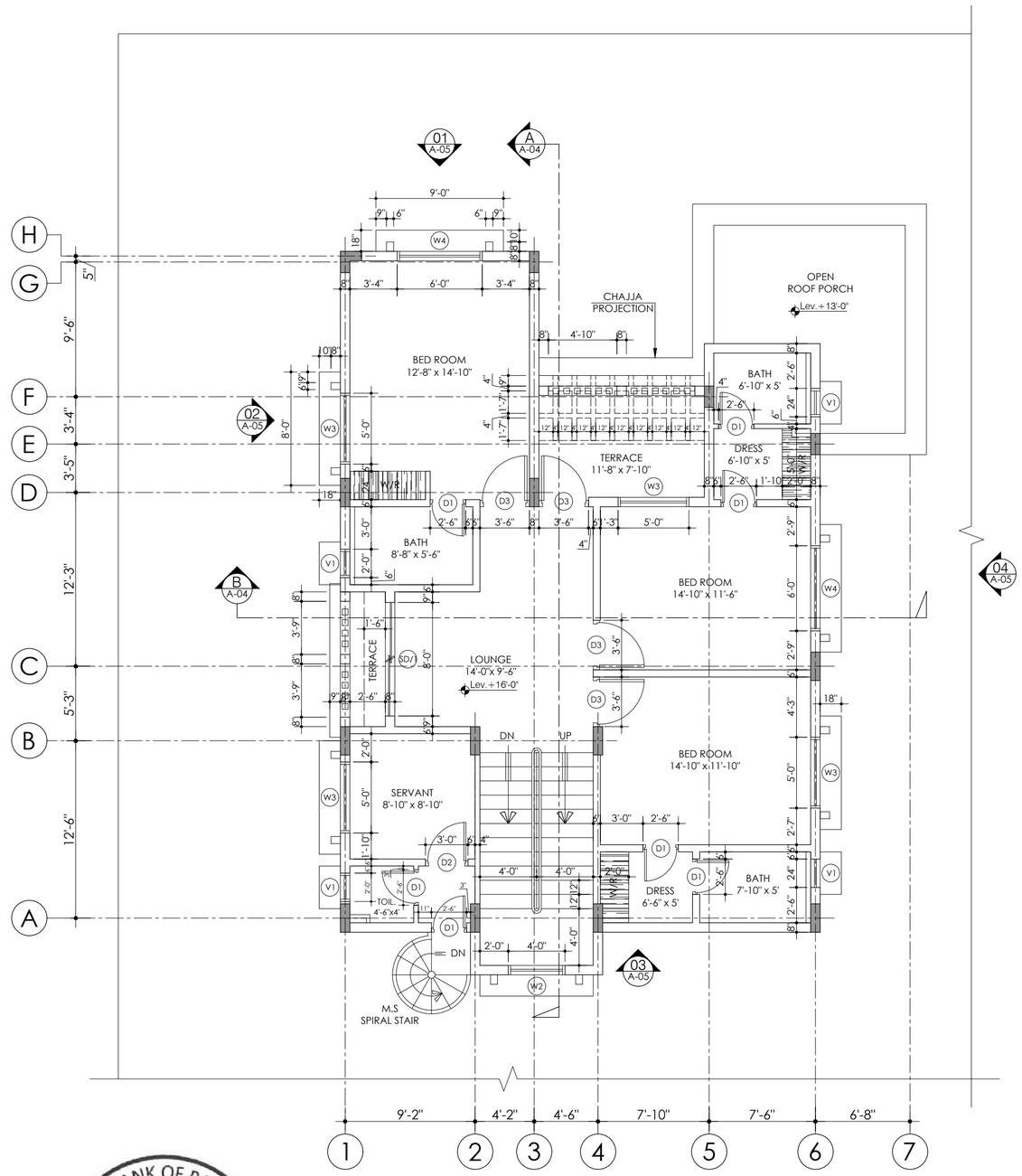
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608



GR. FLOOR PLAN (Lev. +4'-0")
Bungalow

NOTE :-

- BUILDING EXTERNAL WALL 8"-TH. HOLLOW BLOCK MASONRY



1st FLOOR PLAN (Lev. +16'-0")
Bungalow

NOTE :-

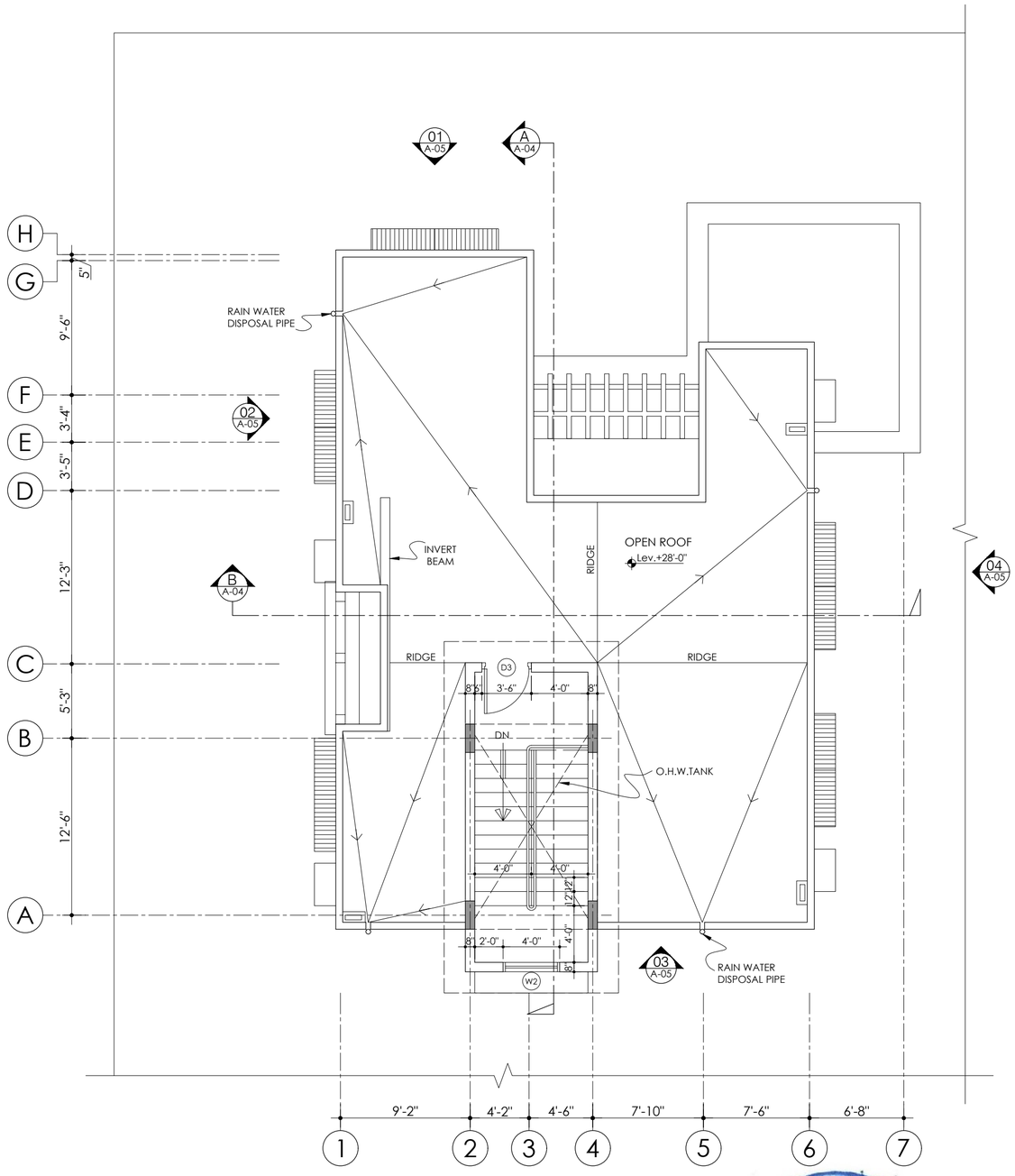
- BUILDING EXTERNAL WALL 8"-TH. HOLLOW BLOCK MASONRY

TENDER DRAWING

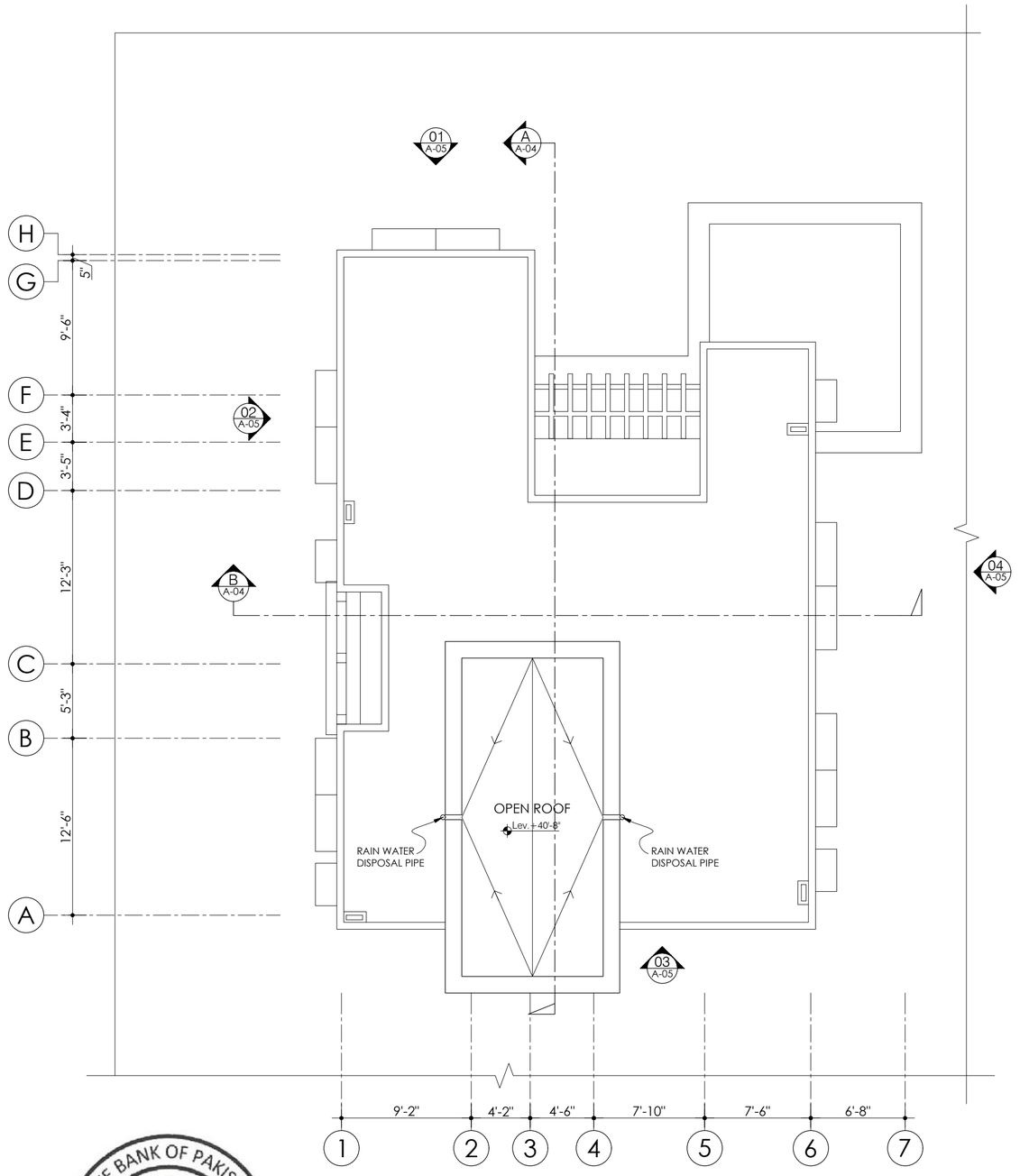
STATE BANK OF PAKISTAN ENGG. ARCHITECTURAL & SERVICES DIVISION 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ★ ENGINEERING DEPARTMENT ★ PROJECT MANAGEMENT DIVISION KARACHI

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND & FIRST FLOOR PLAN	DATE: 24-11-2018 REV.0	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev. / SCALE: AS SHOWN	DRAWN: M. FAYSAL	CHKD. BY: S.GAZDAR / JOB NO. / **A-01**



ROOF PLAN (Lev. +28'-0")
Bungalow



STAIR TOWER (Lev. +40'-8")
Bungalow

TENDER DRAWING

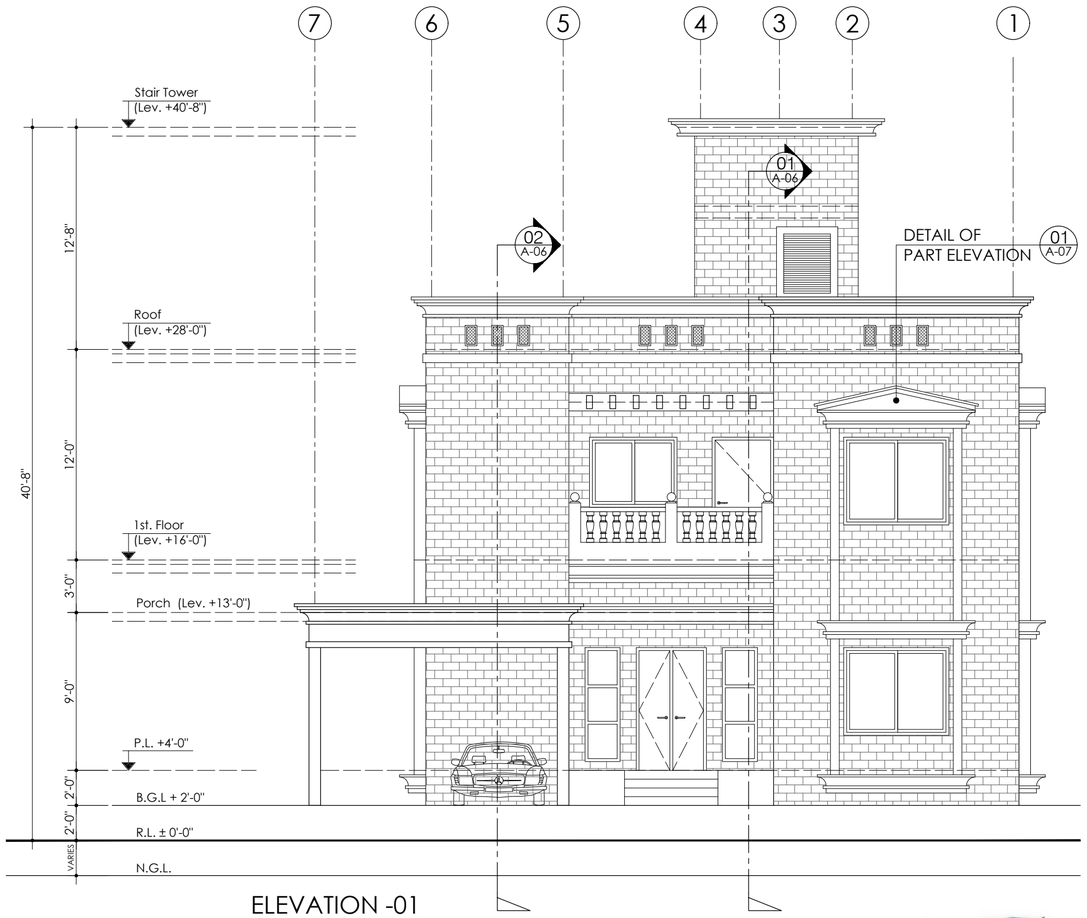
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal

STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION

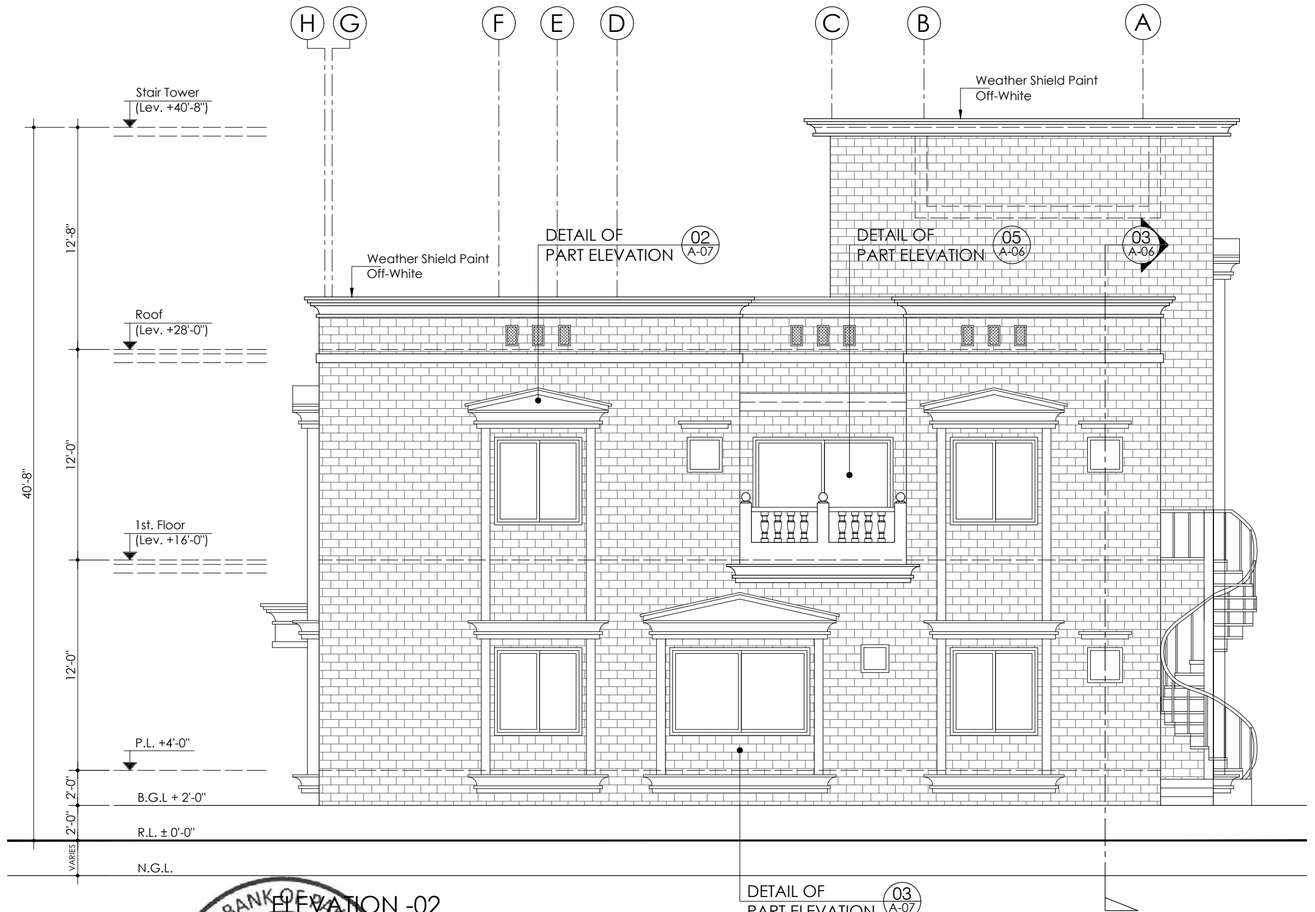
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: ROOF PLAN & STAIR TOWER	DATE: 24-11-2018 REV.2	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-02**

NOTE :-

- ALL MAIN WALL FASCIA ARE CLADED WITH MACHINE CUT THATTA STONE, SIZE 16"x8" LAID IN HORIZONTAL COURSES
- ALL CARVINGS EDGES AND C.C MOULDINGS SHELL BE PAINTED WITH OFF-WHITE WEATHER SHIELD PAINT



ELEVATION -01



ELEVATION -02

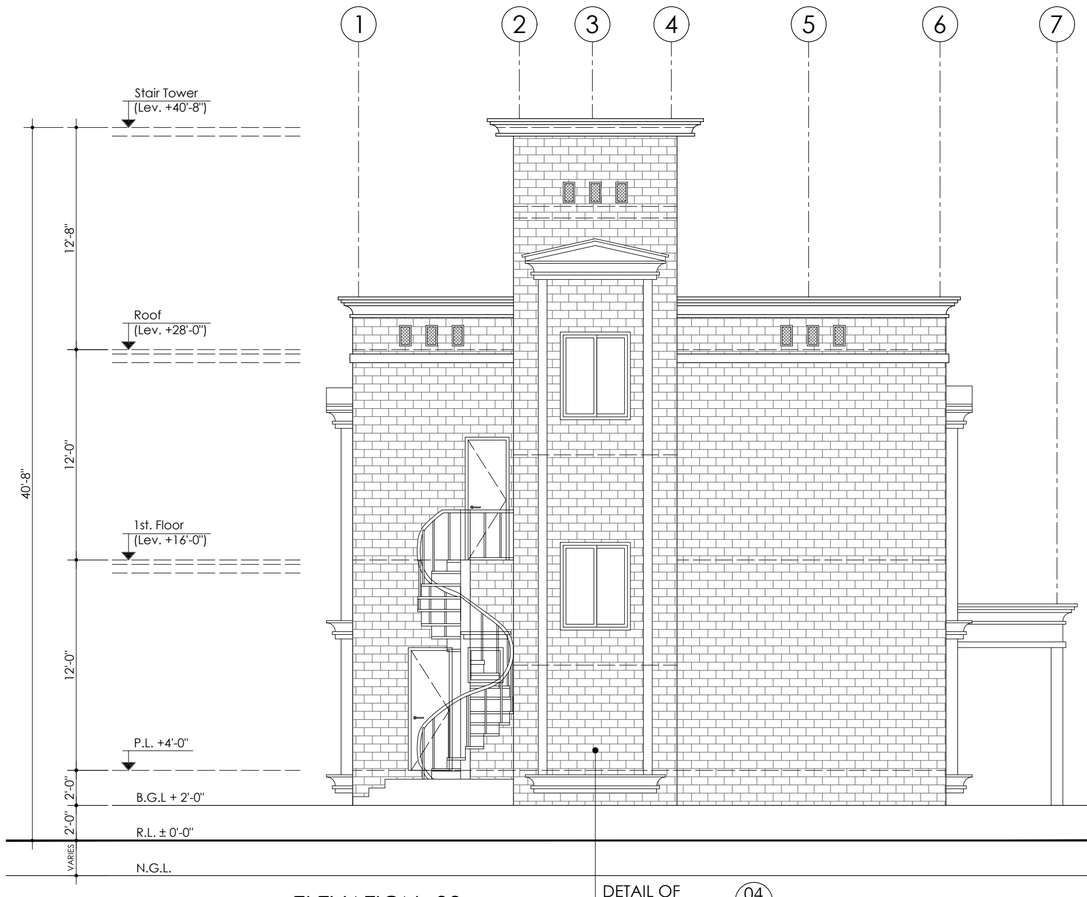
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ELEVATIONS 01 & 02	DATE: 24-11-2018 REV.#	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-03**

NOTE :-

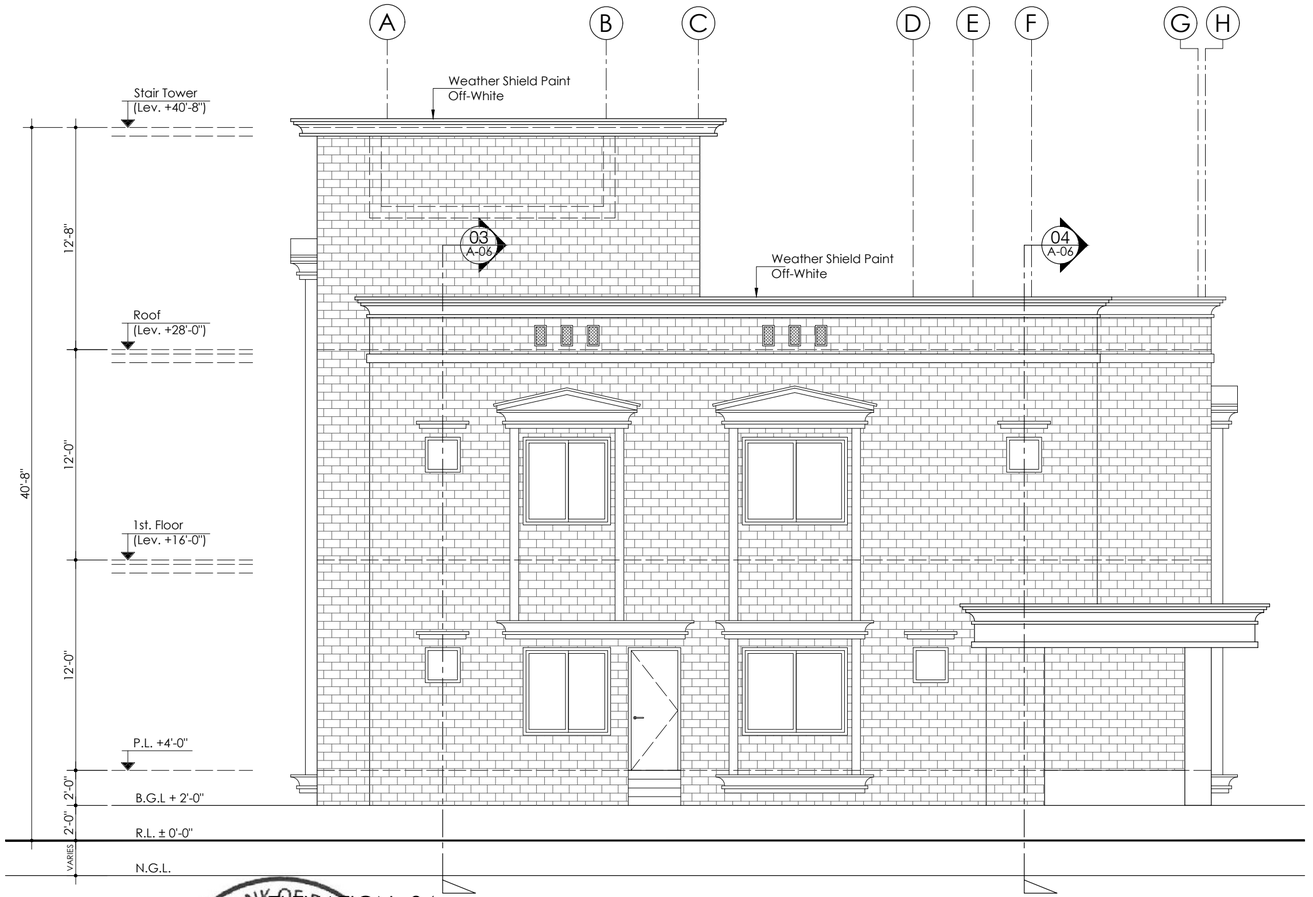
- ALL MAIN WALL FASCIA ARE CLADED WITH
  MACHINE CUT THATTA STONE, SIZE 16"x8" LAID IN HORIZONTAL COURSES

- ALL CARVINGS EDGES AND C.C MOULDINGS SHELL BE
  PAINTED WITH OFF-WHITE WEATHER SHIELD PAINT



ELEVATION -03

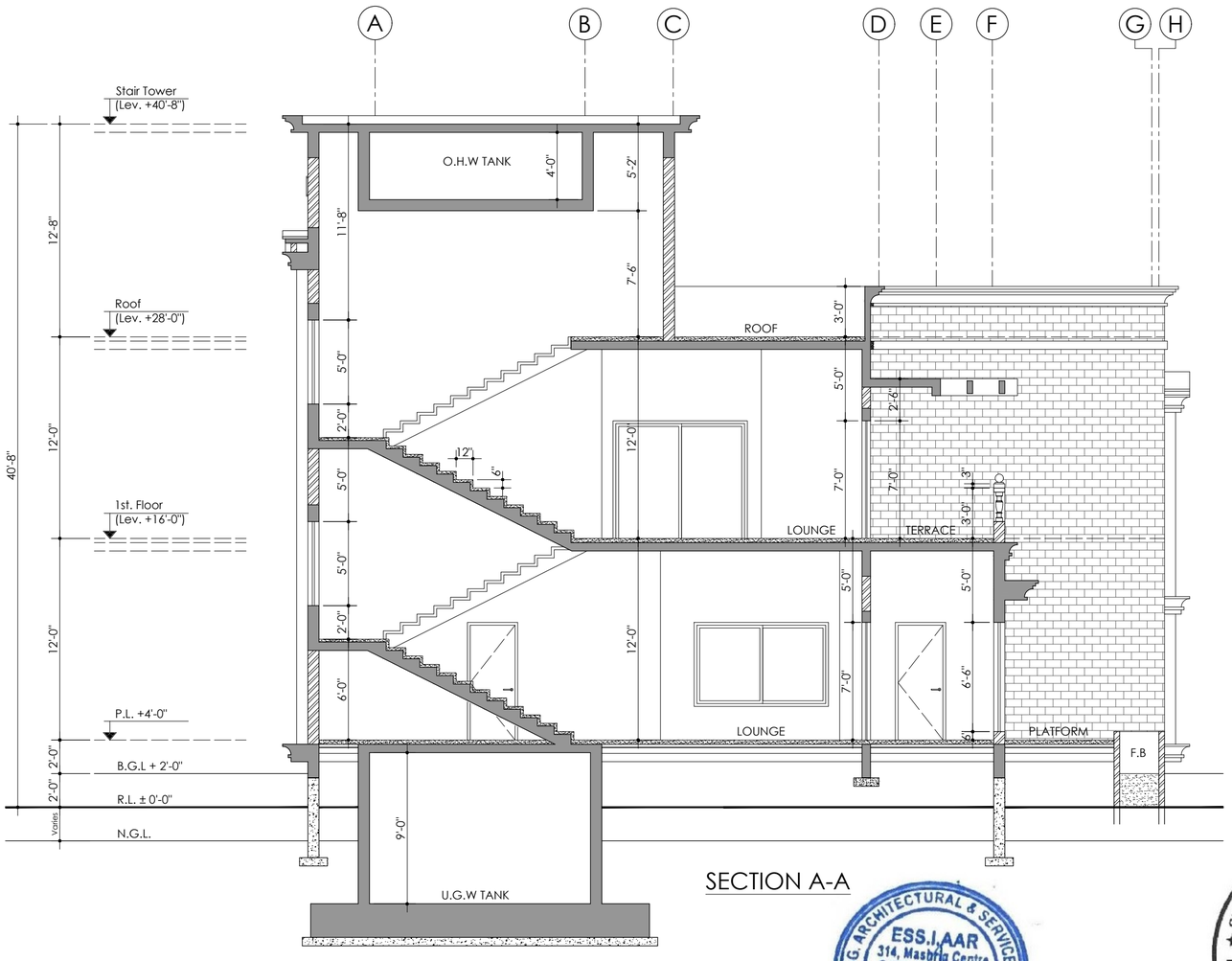
DETAIL OF PART ELEVATION 04 A-07



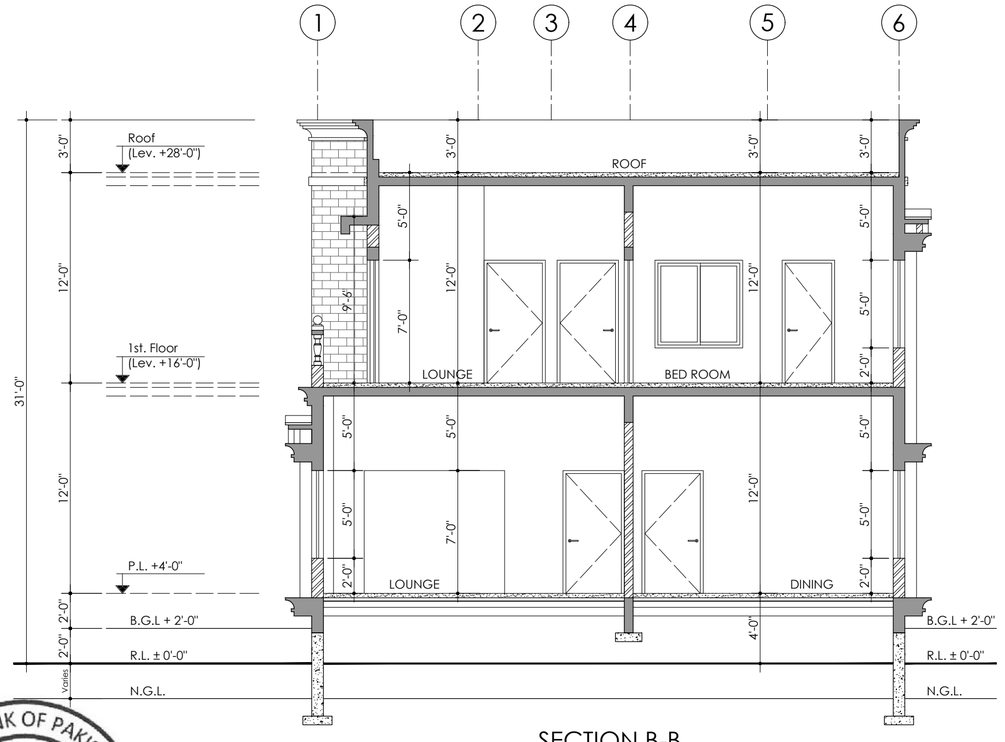
ELEVATION -04

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ELEVATIONS 03 & 04	DATE: 24-11-2018 REV.#	COM. LOCATION. / SHEET REF.: ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-04**



SECTION A-A

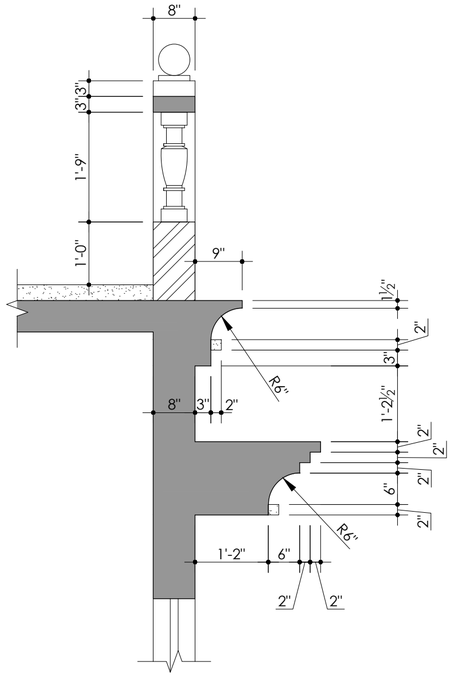


SECTION B-B

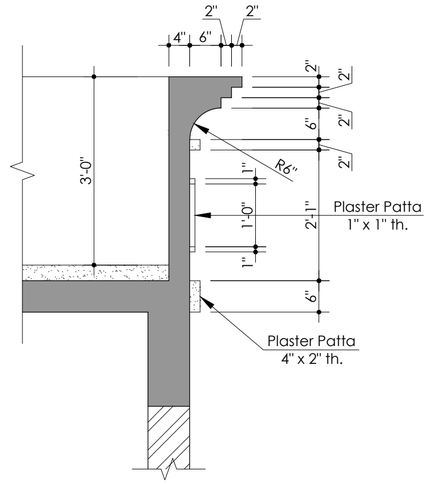
TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	ESS -I- AAR PLANNING \ ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	SECTION A-A & B-B	24-11-2018		ARCH.

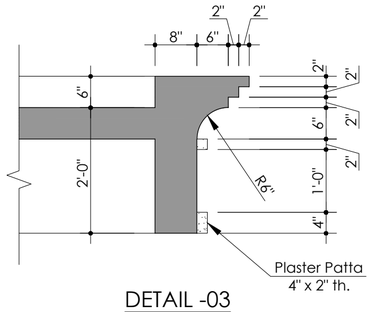
Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	
	AS SHOWN	M. FAYSAL	S.GAZDAR		A-05



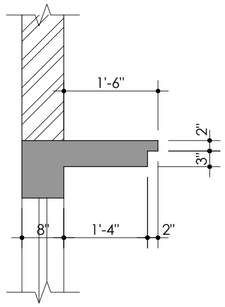
DETAIL -01



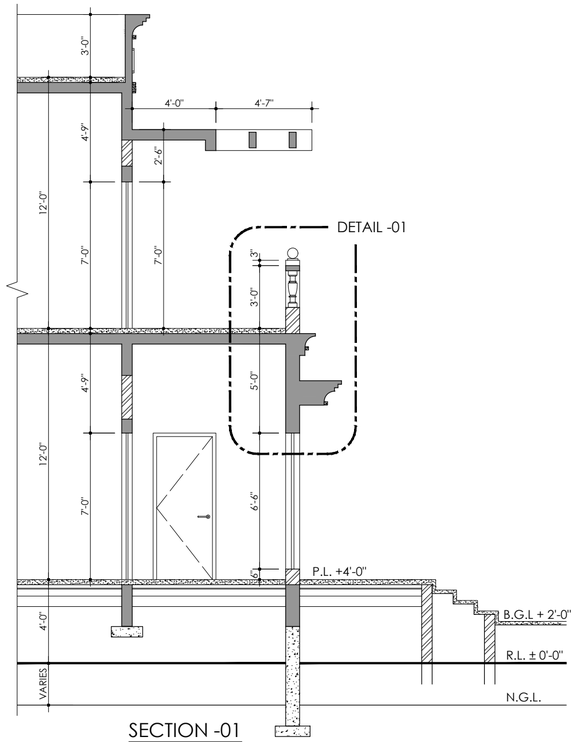
DETAIL -02



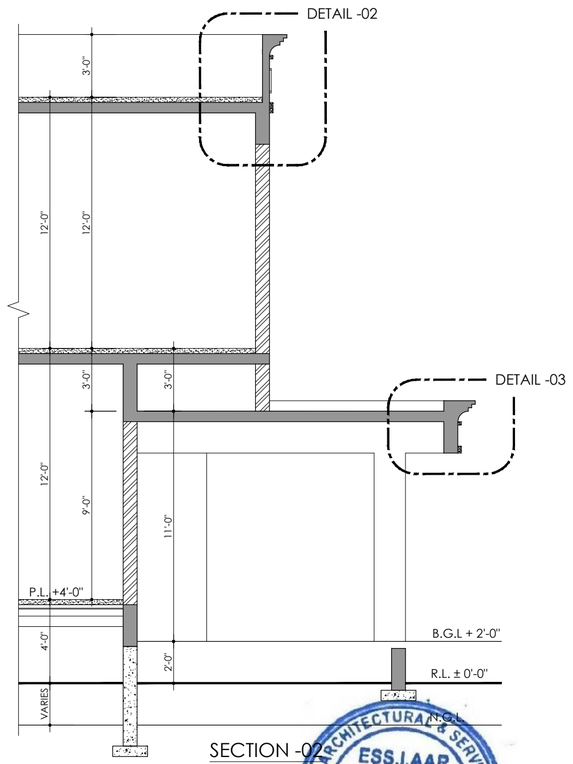
DETAIL -03



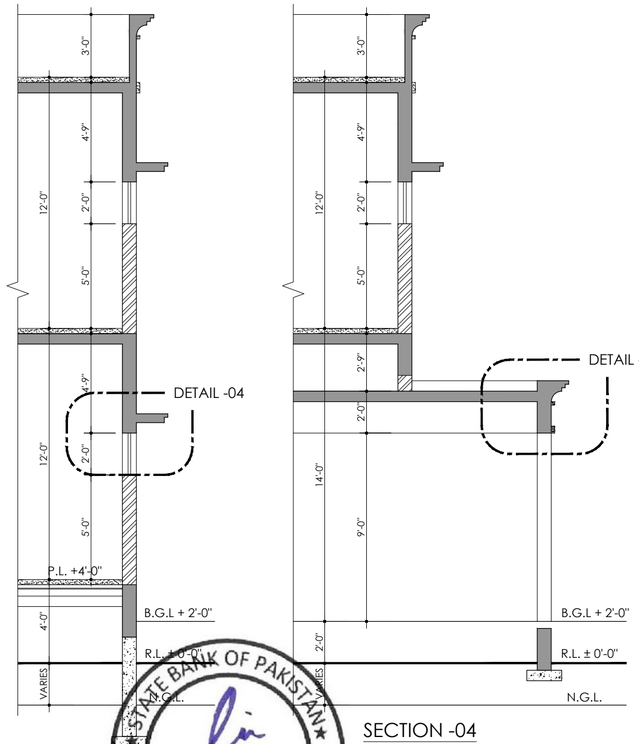
DETAIL -04



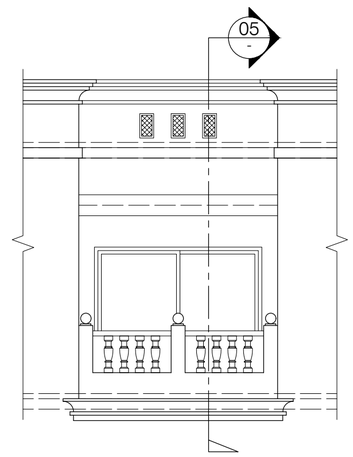
SECTION -01



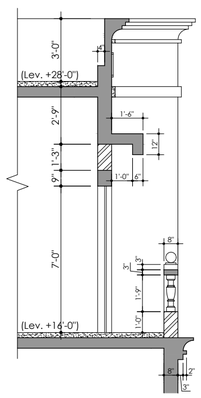
SECTION -02



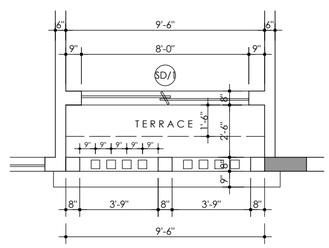
SECTION -03 SECTION -04



PART ELEVATION -05



SECTION -05

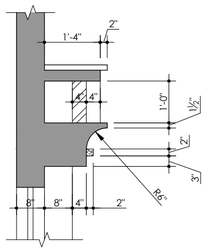


PART PLAN -05

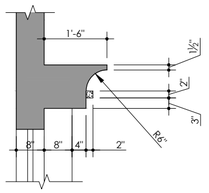
TENDER DRAWING

ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION

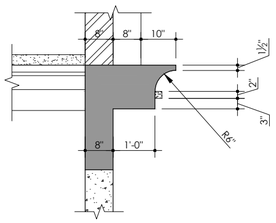
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: DETAIL OF PART SECTIONS	DATE: 24-11-2018	COM. LOCATION. / SHEET REF. ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL / CHKD. BY: S.GAZDAR / JOB NO. / **A-06**



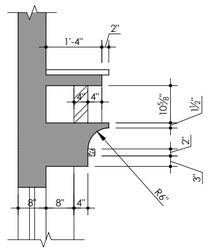
DETAIL -05



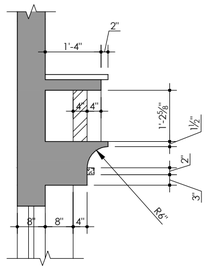
DETAIL -06



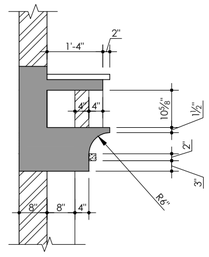
DETAIL -07



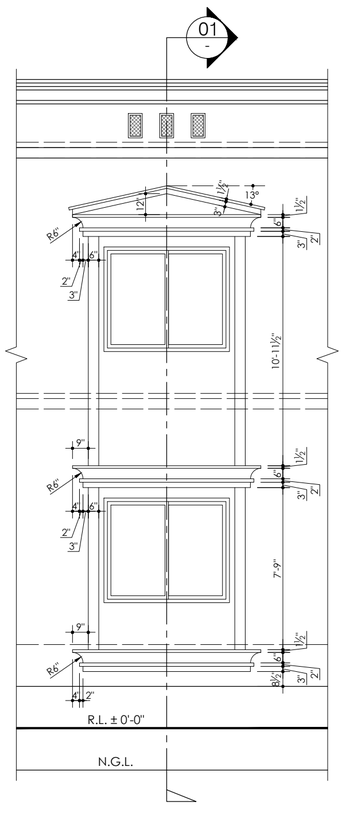
DETAIL -08



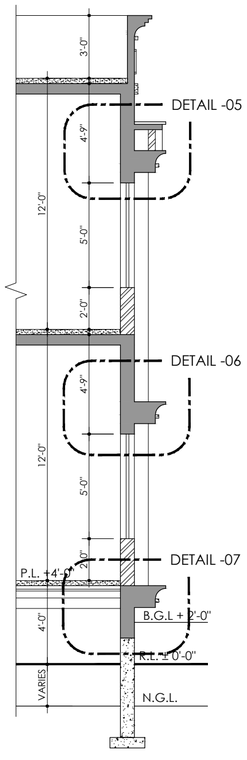
DETAIL -09



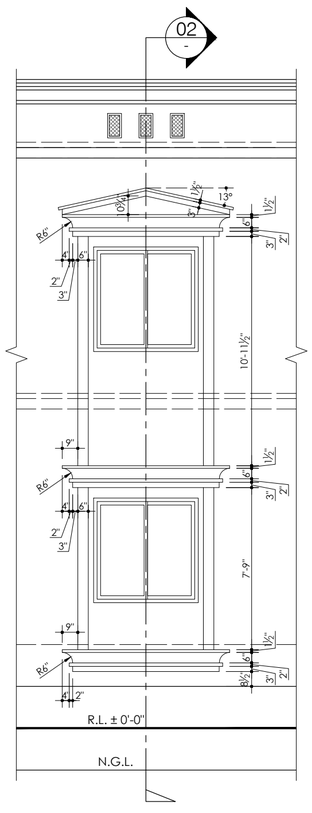
DETAIL -10



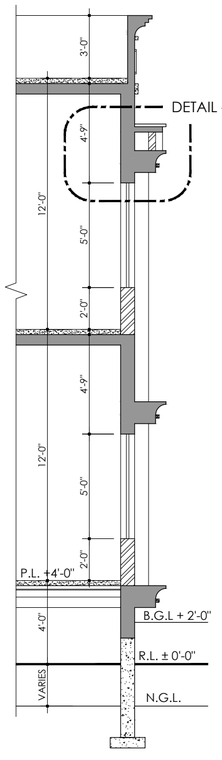
PART ELEVATION -01



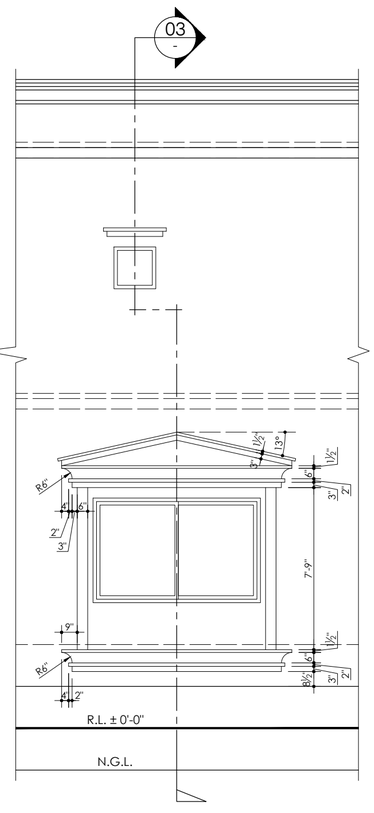
SECTION -01



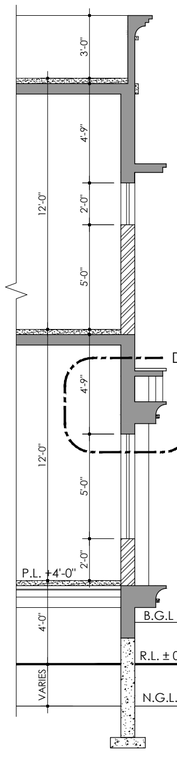
PART ELEVATION -02



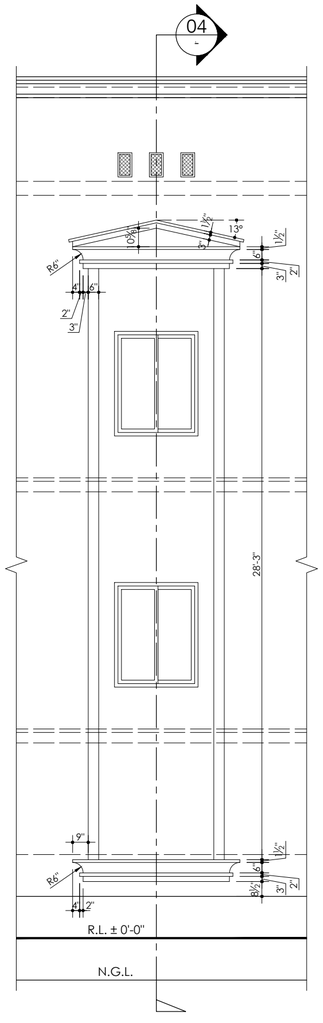
SECTION -02



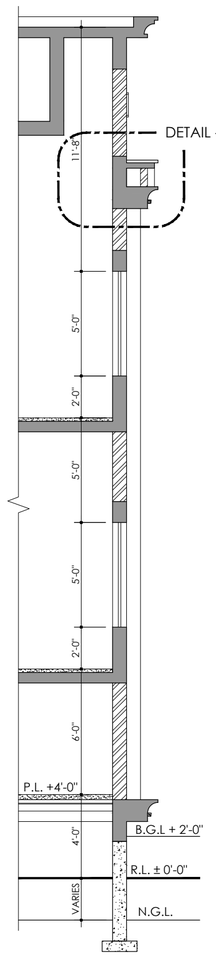
PART ELEVATION -03



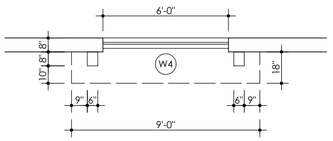
SECTION -03



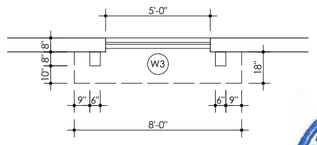
PART ELEVATION -04



SECTION -04

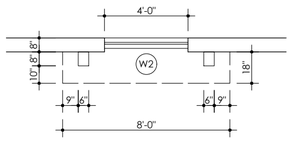


PART PLAN -01



PART PLAN -02

PART PLAN -03



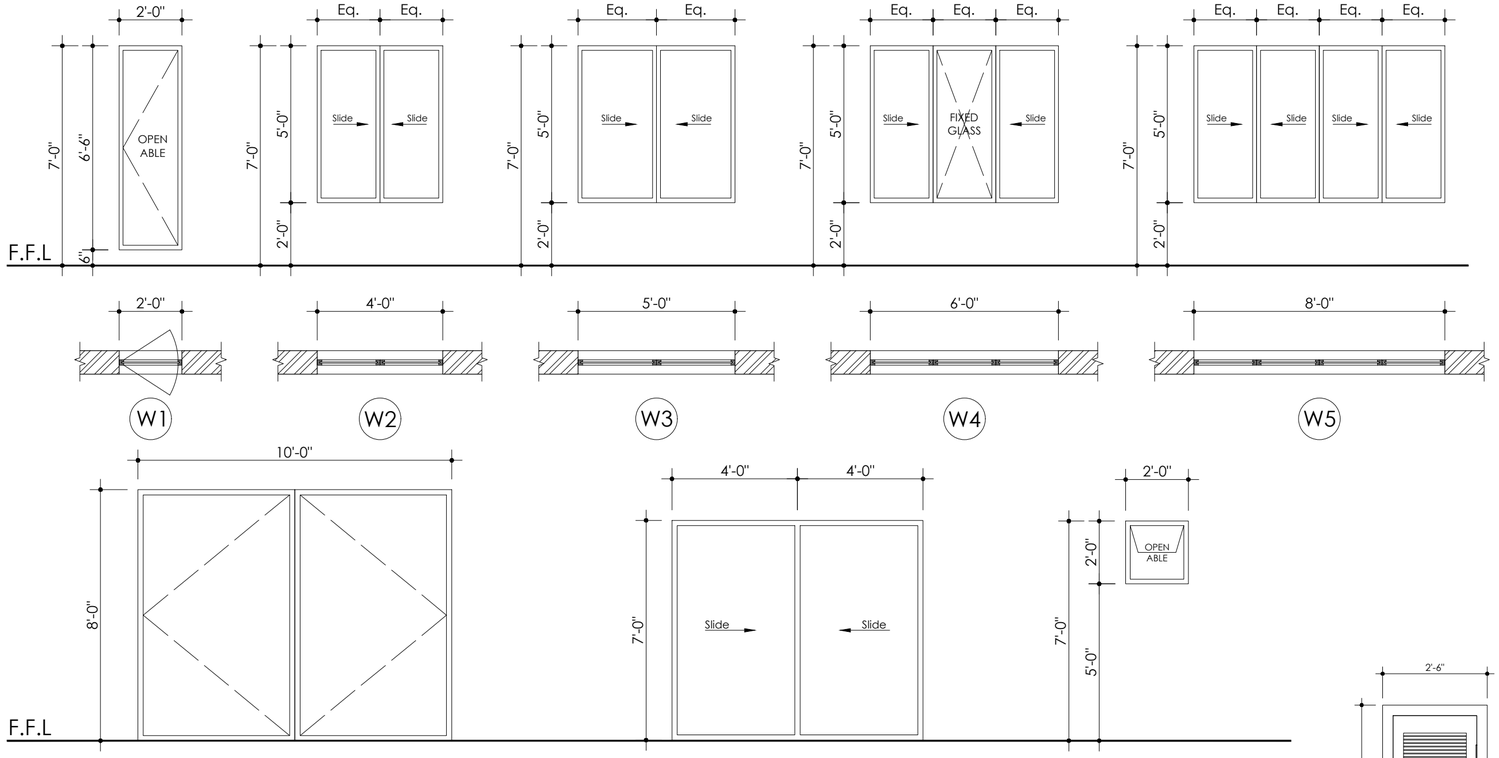
PART PLAN -04

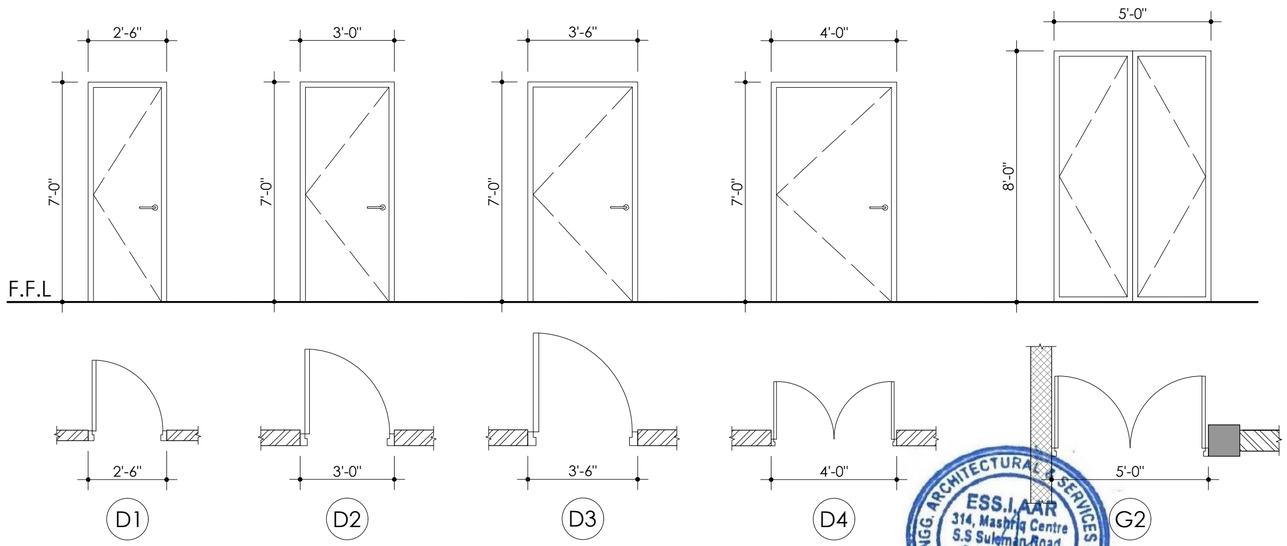
TENDER DRAWING

STATE BANK OF PAKISTAN ★ ENGINEERING DEPARTMENT ★ PROJECT MANAGEMENT DIVISION

ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

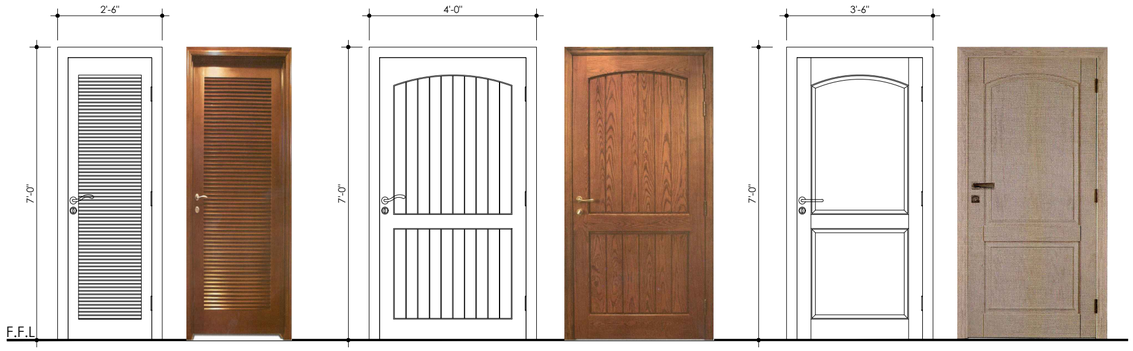
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: DETAIL OF PART ELEVATIONS & SECTIONS	DATE: 24-11-2018	COM. LOCATION.
					SHEET REF. ARCH.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: M. FAYSAL
				CHKD. BY: S.GAZDAR	JOB NO.
					A-07





SCHEDULE OF DOORS, WINDOWS & VENTILATORS.

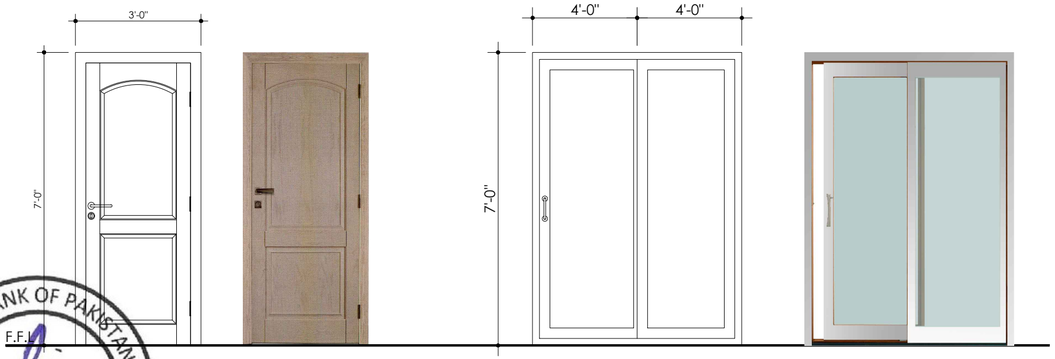
MARK	SIZE	MATERIAL	NO.S OF GROUND FLOOR	NO.S OF FIRST FLOOR	NO.S OF ROOF	REMARKS.
D1	2'-6"x7'-0"	WOODEN	06	07		OPEN ABLE
D2	3'-0"x7'-0"	//	03	01		// //
D3	3'-6"x7'-0"	//	04	04	01	// //
D4	4'-0"x7'-0"	//	01			// //
SD/1	8'-0"x7'-0"	//		01		SLIDING
G1	10'-0"x8'-0"	WOOD+STEEL				OPEN ABLE
G2	5'-0"x8'-0"	//				// //
W1	2'-0"x6'-6"	//	02			OPEN ABLE
W2	4'-0"x5'-0"	//	01	01	01	// //
W3	5'-0"x5'-0"	//	03	04		// //
W4	6'-0"x5'-0"	//	02	02		OPEN ABLE / SLIDING
W5	8'-0"x5'-0"	//	01			// //
V1	2'-0"x2'-0"	//	04	04		TOP HANGED



DESIGN OF DOOR
(BATH, STORE & LAUNDRY)

DESIGN OF DOOR
(MAIN ENTRANCE)

DESIGN OF DOOR
(BED ROOM)



DESIGN OF DOOR
(DRAWING ROOM & KITCHEN)

DESIGN OF SLIDING DOOR
(LOUNGE)

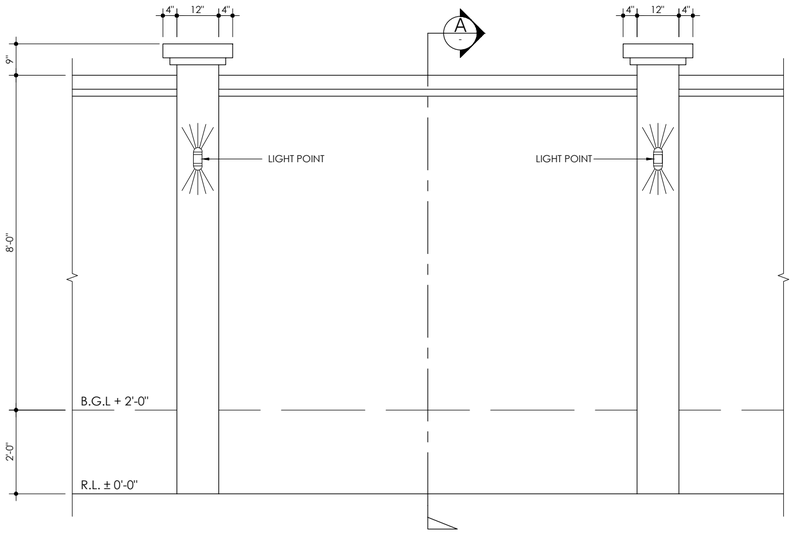
TENDER DRAWING

STATE BANK OF PAKISTAN ★ ENGG. ARCHITECTURAL & SERVICES CONSULTANTS ★ PROJECT MANAGEMENT DIVISION

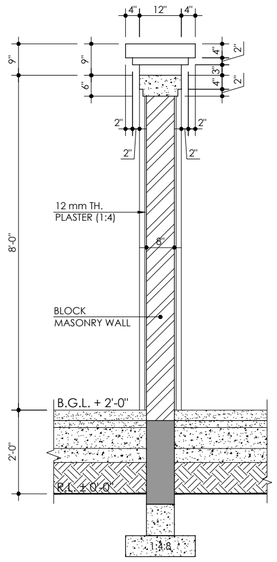
ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	SCHEDULE OF DOORS, WINDOWS & VENTILATOR	24-11-2018	SHEET REF. ARCH.

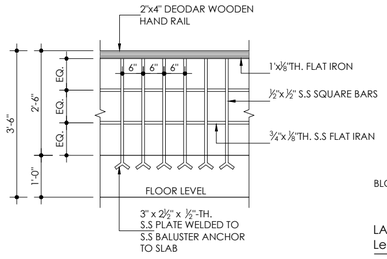
Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	
	AS SHOWN	M. FAYSAL	S.GAZDAR		A-08



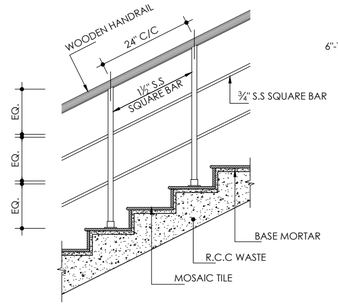
PART ELEVATION OF COMPOUND WALL



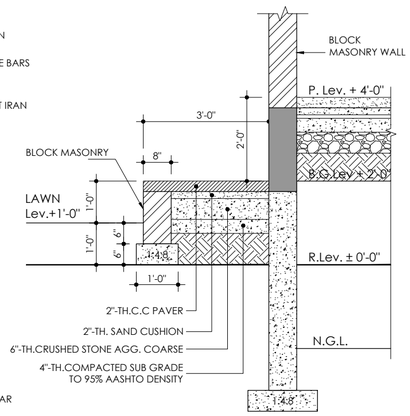
SECTION A-A



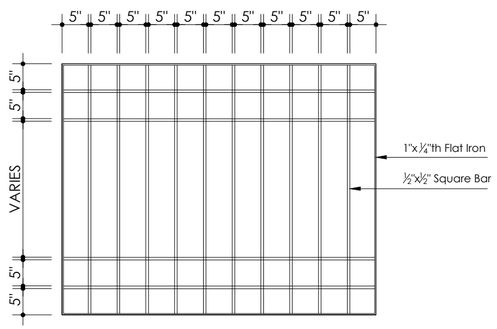
TYPICAL DETAIL OF RAILING



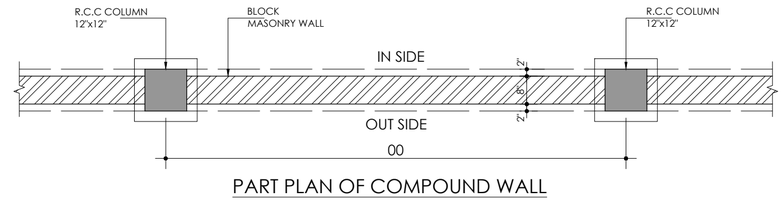
TYPICAL DETAIL OF STAIRCASE



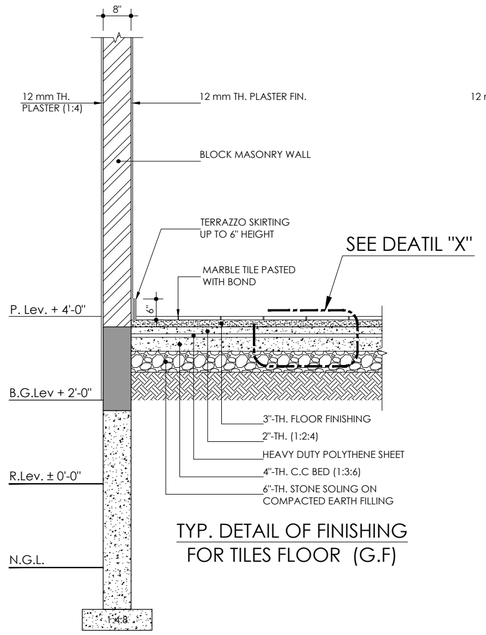
TYPICAL OF PLINTH PROTECTION
(FOR ALL BUILDING)



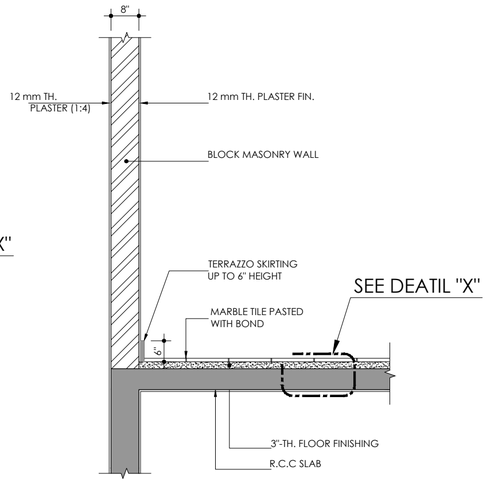
TYPICAL DESIGN OF GRILL



PART PLAN OF COMPOUND WALL



TYP. DETAIL OF FINISHING
FOR TILES FLOOR (G.F)



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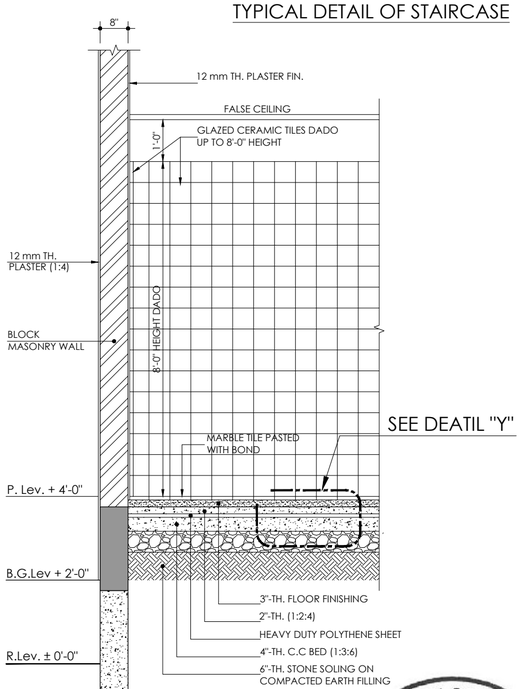
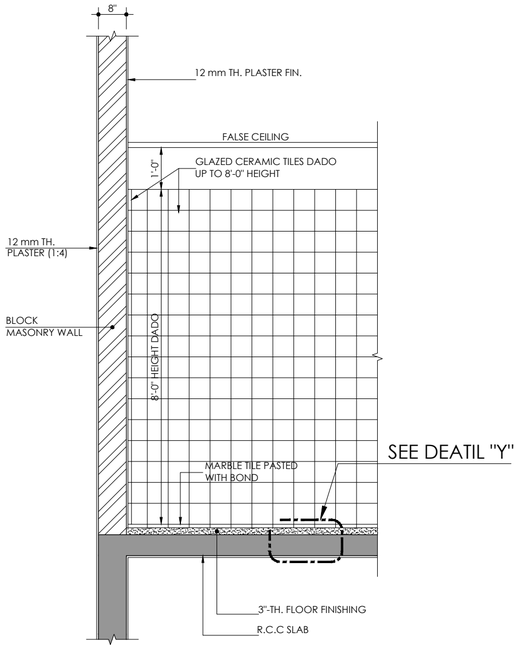
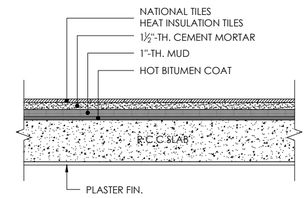
FOR TILES FLOOR (F.F)



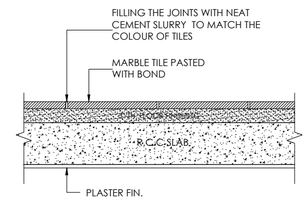
TYP. DETAIL OF FINISHING
TILES FLOOR & DADO (G.F)



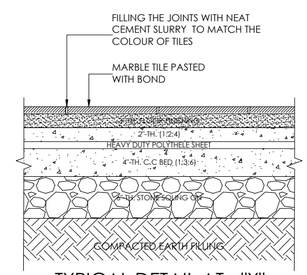
TYP. DETAIL OF FINISHING
TILES FLOOR & DADO (F.F)



TYPICAL DETAIL OF
ROOF TREATMENT FINISHES



TYPICAL DETAIL AT - "Y"



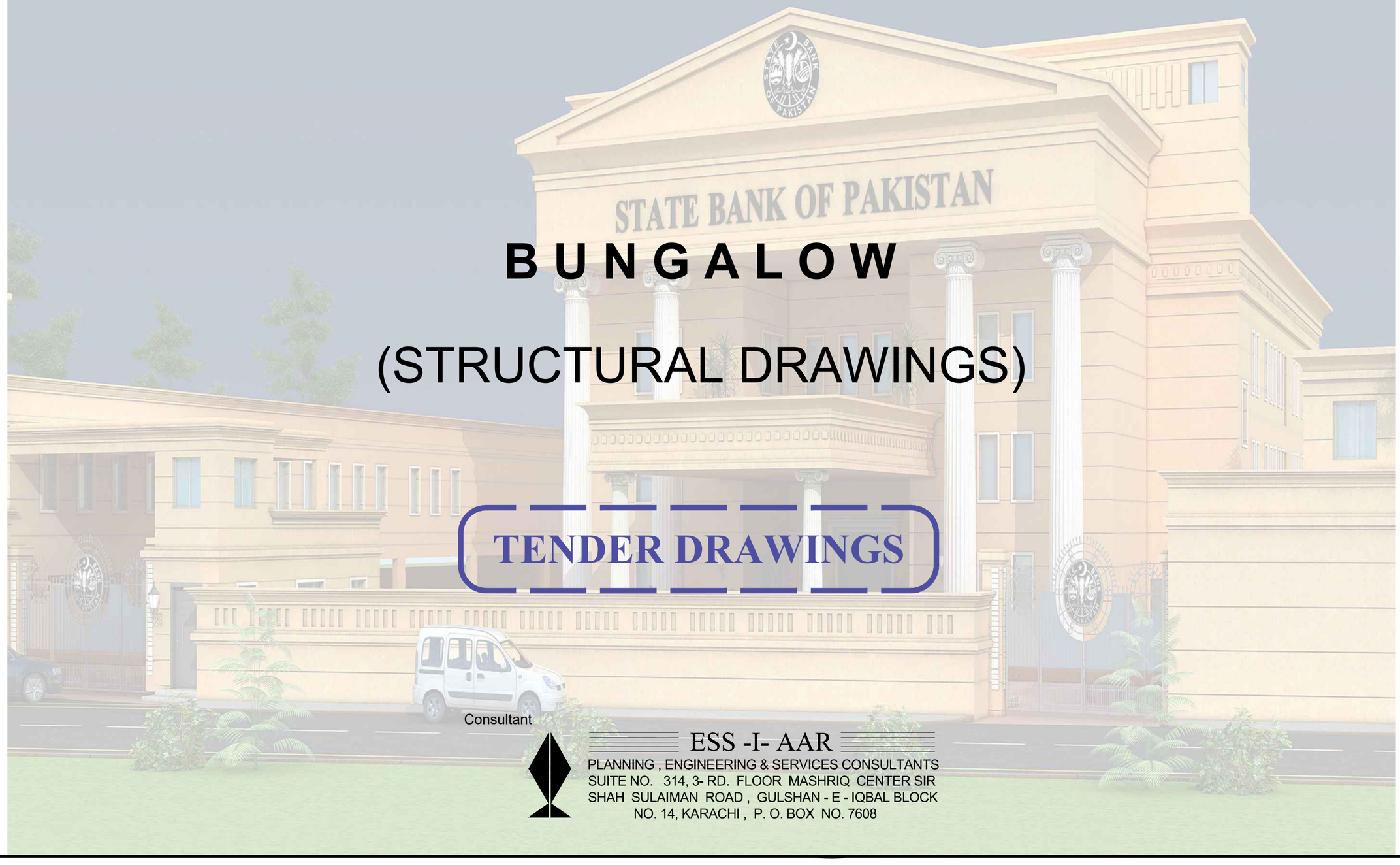
TYPICAL DETAIL AT - "X"

TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TYPICAL DETAILS	24-11-2018 REV.0		ARCH.
			Ref. Rev.	SCALE AS SHOWN	DRAWN M. FAYSAL	CHKD. BY S.GAZDAR / JOB NO.	**A-09**

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



BUNGALOW

(STRUCTURAL DRAWINGS)

TENDER DRAWINGS

Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

GENERAL NOTES

1. DESIGN IS IN ACCORDANCE WITH ACI-318 CODE, 2002 & UBC 97 SPECIFICATIONS.
2. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE JOB SPECIFICATIONS.

3A ALL REINFORCED CONCRETE IS 3000 PSI CYLINDER STRENGTH.

3. DESIGN OF SPECIFIED CONCRETE MIX SHALL BE SUBMITTED BY THE CONTRACTOR AND SHALL
4. BE GOT APPROVED FROM THE ENGINEER WELL BEFORE CONCRETING OF RELEVANT
5. STURCTURES ALONGWITH RESULT OF TEST CYLINDERS TESTED AS PER ASTM C 39.
   TEST SPECIMENS SHALL BE MADE AND CURED IN ACCORDANCE WITH ASTM C 31.
4. ALL REINFORCING STEEL IS DEFORMED GRADE 60, HAVING A MIN. YIELD STRENGTH OF 60,000 AS PER ASTM A-615 SPECIFICATIONS.
5. ORDINARY PORTLAND CEMENT, CONFORMING TO BS-12 / PS-232 SHALL BE USED IN ALL R.C.C. WORK EXCEPT WHERE IT IS SPECIFICALLY MENTIONED IN THE GEOTECHNICAL REPORT.
6. CEMENT FROM DIFFERENT SOURCES SHALL NOT BE MIXED FOR THE STRUCTURE.
7. COARSE SAND FROM APPROVED QUERIES / SOURCES SHALL BE USED.
8. WELL GRADED CRUSHED STONE FROM APPROVED QUERIES / SOURCES SHALL BE USED AS COARSE AGGREGATE. MAXIMUM NOMINAL SIZE OF THE COARSE AGGREGATE SHALL BE 3/4" INCH FOR ALL R.C.C. WORK.
9. POTABLE WATER SHALL BE USED FOR CONCRETE AND SHALL BE FREE OF ORGANIC AND OTHER IMPURITIES.
10. 2" X 2" INCH PRECAST CONCRETE BLOCKS HAVING COMPRESSIVE STRENGTH OF 4000 PSI. AND SPACED NOT MORE THAN 4' FEET C/C SHALL BE USED FOR PROVISION OF REQUIRED COVER TO MAIN REINFORCEMENT. THICKNESS OF THESE BLOCKS SHALL BE EQUAL TO THE REQUIRED COVER.
11. ALL DIMENSIONS ARE GIVEN IN FEET WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
12. UNLESS OTHERWISE SHOWN ON THE PLANS, CONCRETE CLEAR COVER PROVIDED FOR REINFORCEMENT SHALL BE AS FOLLOWS;

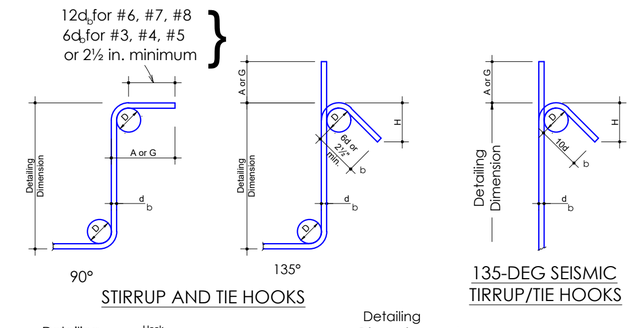
FOOTINGS ON 1:4:8		
BOTTOM	==========	3"
SIDES	==========	2"
SLABS	==========	3/4"
BEAMS & COLUMNS	==========	1½"

13. CONSTRUCTION DRAWINGS ALONG WITH BAR BENDING SCHEDULE SHALL BE SUBMITTED BY THE CONTRACTOR FOR NGINEER'S APPROVAL WELL BEFORE PROCEEDING ANY WORK.
14. ALL LAYOUT, CONFIGURATION, DIMENSIONS AND LEVELS SHALL BE VERIFIED BEFORE PROCEEDING WITH THE WORK.
15. ALL REINFORCING BARS SHALL BE HELD FIRMLY IN PLACE BEFORE AND DURING TH POURING OF CONCRETE BY MEANS OF ADEQUATE NUMBER OF WIRES AND SUPPORTS TO PREVENT DISLOCATION DURING THE COURSE OF CONSTRUCTION.
16. CONSTRUCTION JOINT NOT SHOWN ON THE DRAWING SHALL BE PROPERLY PLANED AND SO MADE AND LOCATED AS TO LEAST IMPAIR THE STRENGTH OF STRUCTURE AND SHALL NEED PRIOR APPROVAL OF THE ENGINEER. IN GENERAL THEY SHALL BE LOCATED NEAR THE MIDDLE OF THE SPAN OF SLAB AND BEAMS. JOINTS SHALL BE PERPENDICULAR TO MAIN REINFORCEMENT. ALL REINFORCING STEEL SHALL BE CONTINUED PROPERLY ACROSS THE JOINTS.
17. DURING CONSTRUCTION, SAFETY AND STABILITY OF THE STRUCTURE AND ALL TEMPORARY
18. WORKS SHALL BE GIVEN PRIME IMPORTANCE. UTMOST CARE AND PRECAUTION SHALL BE
19. XERCISED BY THE CONTRACTOR DURING THE WORK AGAINST ANY MISHAP OR ACCIDENT.
18. BARS IN BEAMS SHALL BE JOGGLED IN VERTICAL PLANE FOR LAPS AND SHALL BE STAGGERED.
19. ALL LAPS ARE 54 TIMES BAR DIAMETER.
20. BARS IN COLUMN SHALL BE JOGGLED FOR LAPS WITH STARTER BARS.
21. POSITION OF BARS IN BEAMS SHALL BE ADJUSTED KEEPING IN VIEW THE POSITION OF
22. VERTICAL BARS OF THE COLUMNS.
22. STIRRUPS SHALL BE PLACED IN SUCH A WAY THAT THEIR HOOKS SHALL BE STAGGERED
23. AND LOCATED IN COMPRESSION FACE.
23. CONCRETE TEST CYLINDER SHALL BE CURED WITH THE SAME METHOD AND UNDER SAME
24. CONDITIONS AS THOSE FOR THE CONCRETE WORK THEY REPRESENT.
24. NO CONCRETE SHALL BE POURED UNTIL ITS FORM WORK AND REINFORCEMENT HAS
25. BEEN INSPECTED AND APPROVED BY THE ENGINEER.
25. SEQUENCE OF REMOVAL OF FORM WORK SHALL BE AS APPROVED BY THE ENGINEER.
26. ALL STRUCTURAL DRAWINGS SHALL BE READ & CHECKED IN CONJUNCTION WITH
27. THE ARCHITECTURAL DRAWINGS FOR PLUMBING AND ELECTRICAL LAYOUT AND LEVELS OF DIFFERENT MEMBERS.
27. EXISTING UNDERGROUND SERVICES IF ANY, REQUIRED TO BE LEFT IN POSITION,
28. SHALL BE CAREFULLY PROTECTED DURING EXCAVATION.
28. EXCAVATION ADJACENT TO EXISTING STRUCTURES AND/OR UNDER-GROUND SERVICES
29. SHALL BE MADE BY HAND.
29. ADEQUATE SHORING AND SUPPORT TO THE SIDES OF ALL EXCAVATION SHALL BE
30. SUPPLIED AND ERECTED WHERE REQUIRED TO SAFE GUARD WORKMEN AND PROTECT
31. ANY ADJACENT STRUCTURES.
30. LEAN CONCRETE 1:4:8 SHALL BE MADE WITH COARSE SAND AND CRUSHED STONE AGGREGATES PASSING SIEVE ONE INCH AND SHALL GIVE A MINIMUM OF 1000 PSI AT 28 DAYS.
31. FOUNDATION HAS BEEN DESIGNED FOR 1.0 TSF
32. THE FOUNDATION IS DESIGNED FOR GROUND + ONE FLOOR
33. ALL BLOCKS USED SHALL BE 8" X 8" X 16" AND SHOULD AT LEAST GIVE 1200 PSI WHEN TESTED FLAT WITH PROPER CAPPING.

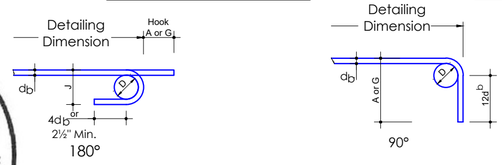
RECOMMENDED END HOOKS, ALL GRADES

Bar Size	Finished bend diameter D,in.	180-deg hooks		90-deg hooks
		A or G, in.	J,	A or G, in.
#3	2¼	5	3	6
#4	3	6	4	8
#5	3¾	7	5	10
#6	4½	8	6	12
#7	5¼	10	7	14
#8	6	11	8	16
#9	9½	15	11¼	19
#10	10	17	13¾	20
#11	12	19	14¾	24
#14	18¼	27	21¾	31
#18	24	36	28½	41

Bar Size	D (in.)	Stirrups and tie hook dimensions, in.			135 deg Stirrup-tie hook dimensions, in.	
		90-deg hooks	135-deg hooks		135-deg hooks	
		A or G,	A or G,	H approx	A or G, in.	H approx
#3	1½	4	4	2½	5	3½
#4	2	4½	4½	3	6½	4½
#6	4½	12	7 3/4	4½	10 3/4	6½



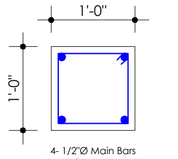
STIRRUP AND TIE HOOKS



TENDER DRAWING

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	GENERAL NOTES	24-11-18 REVD		STRU.
			Ref. Rev. / SCALE N.T.S	DRAWN M. AKHTER	CHKD. BY GAZALA / JOB NO.	S-01

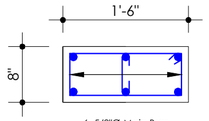
ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION ENGINEERING DEPARTMENT



4- 1/2"Ø Main Bars
3/8"Ø@8"C/C(Rings)

COLUMN NO.C1

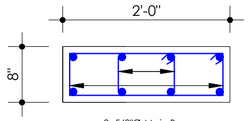
SCALE :- 1"=1'-0"



6- 5/8"Ø Main Bars
3/8"Ø@6"C/C(Rings)

COLUMN NO.C2

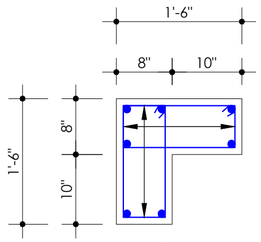
SCALE :- 1"=1'-0"



8- 5/8"Ø Main Bars
3/8"Ø@6"C/C(Rings)

COLUMN NO.C3

SCALE :- 1"=1'-0"



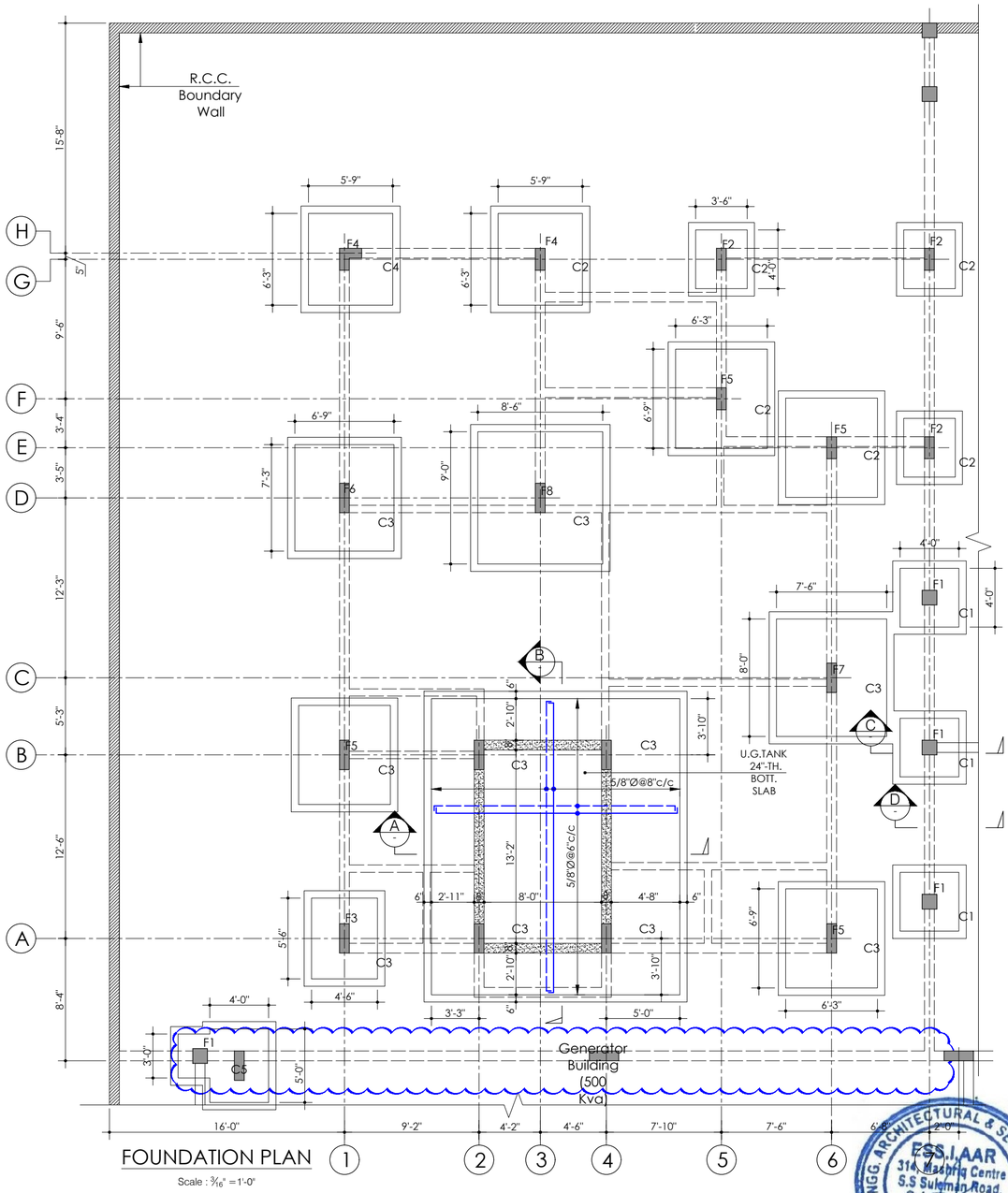
7- ⅝"Ø Main Bars
⅜"Ø@6"C/C(Rings)

COLUMN NO.C4

SCALE :- 1"=1'-0"

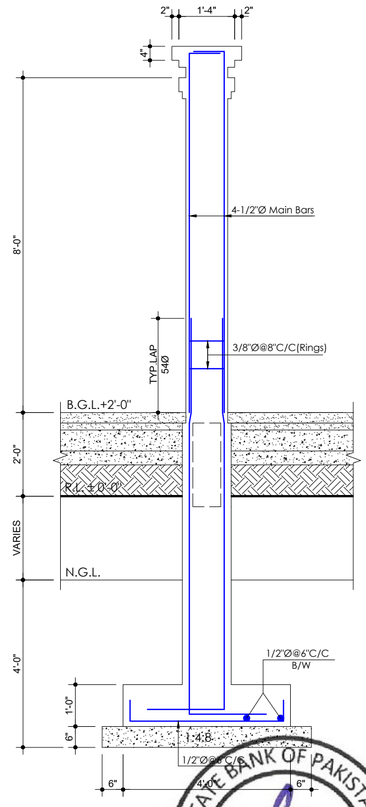
SCHEDULE OF FOOTING'S

FOOTING'S NO.	COLUMN SIZES	Footing's Sizes And Reinf. Detail's							X-AXIS	Y-AXIS
		A	B	C	D	E	F	G		
F1	12"X12"	4'-0"	4'-0"	12"	14"	12"	14"	9"	1/2"Ø@6"C/C	1/2"Ø@6"C/C
F2	8"X18"	3'-6"	4'-0"	8"	10"	18"	20"	12"	//	//
F3	8"X24"	4'-6"	5'-6"	8"	10"	24"	26"	//		
F4	8"X18"	5'-9"	6'-3"	8"	10"	18"	20"	15"	//	//
F5	8"X18"	6'-3"	6'-9"	8"	10"	18"	20"	15"	//	//
F6	8"X24"	6'-9"	7'-3"	8"	10"	24"	26"	18"	//	//
F7	//	7'-6"	8'-0"	//	//	//	//	//	//	//
F8	//	8'-6"	9'-0"	//	//	//	//	21"	⅝"Ø@5"C/C	⅝"Ø@5"C/C



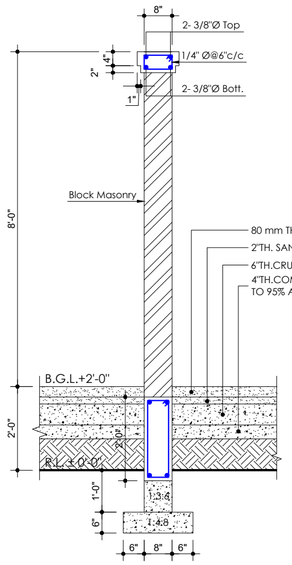
FOUNDATION PLAN

Scale : 3/16" =1'-0"



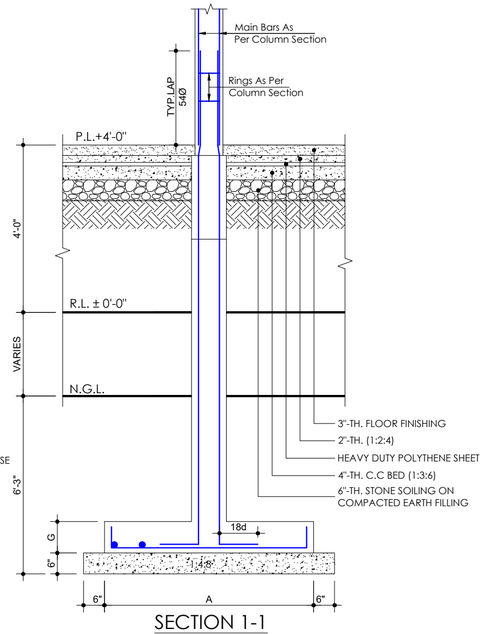
SECTION C-C

Scale : ½" =1'-0"



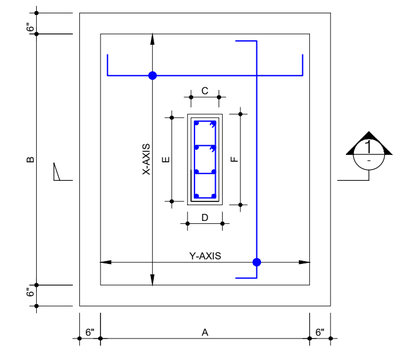
SECTION D-D

Scale : ½" =1'-0"



SECTION 1-1

Scale : ½" =1'-0"



TYP.PLAN OF FOOTING

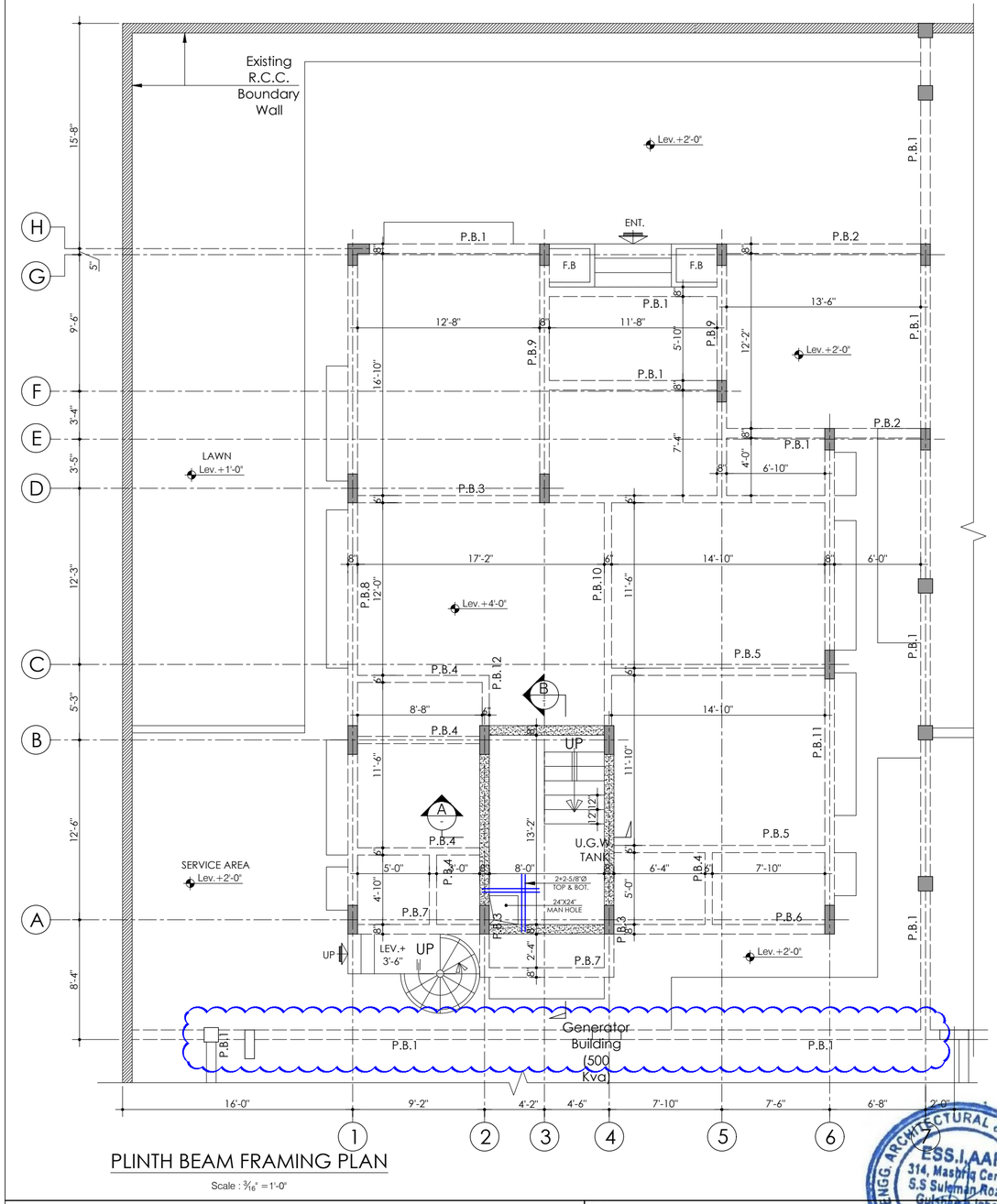
Scale : ½" =1'-0"

TENDER DRAWING

ESS.I.AAR
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

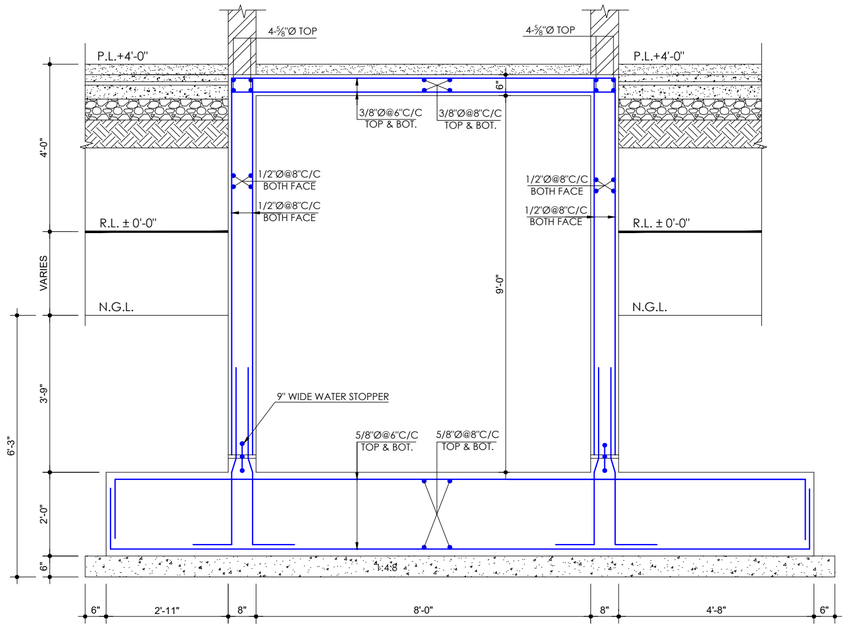
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
KARACHI

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: FOUNDATION PLAN AND DETAILS	DATE: 24-11-18 / REVD:	COM. LOCATION.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. AKHTER
				CHKD. BY: GAZALA	JOB NO.
					SHEET REF. STRU. **S-02**



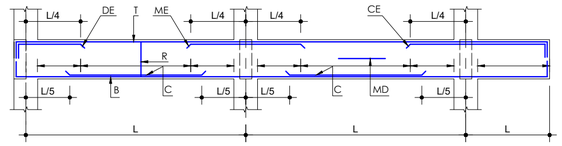
PLINTH BEAM FRAMING PLAN

Scale : 3/16" =1'-0"



SECTION A-A

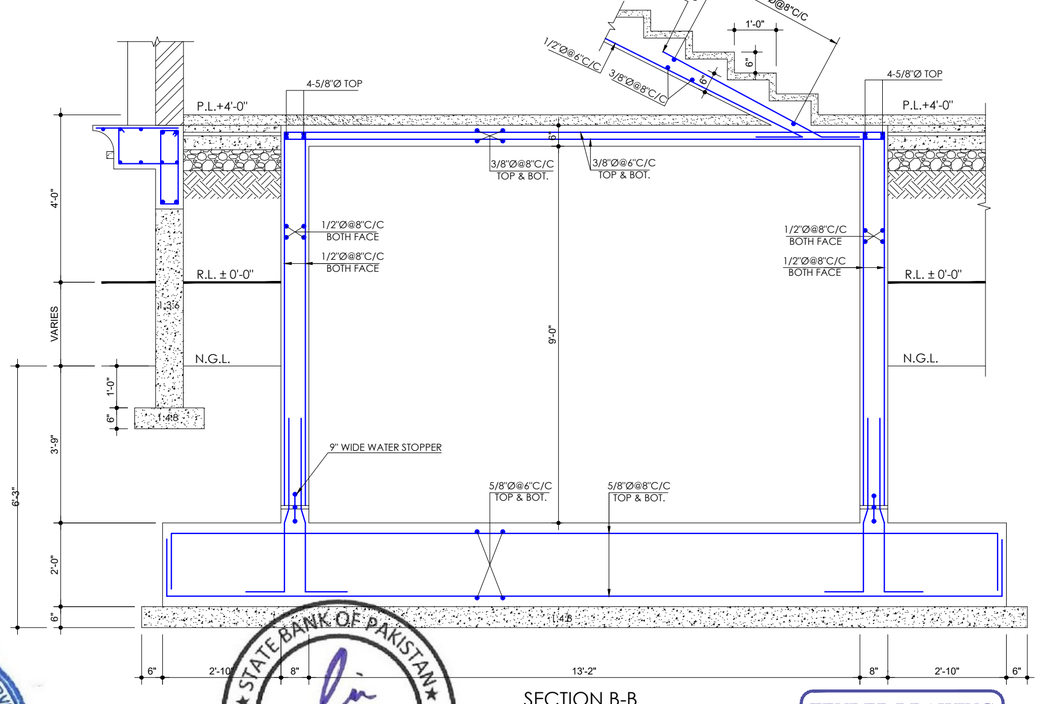
Scale : ½" =1'-0"



TYPICAL PLINTH BEAM ELEVATION

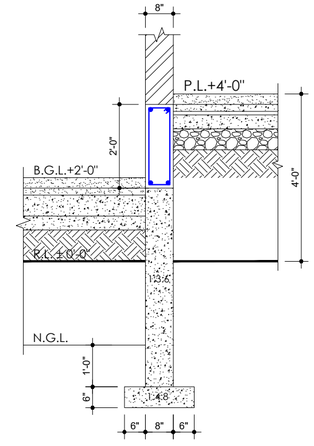
SCHEDULE OF PLINTH'S BEAMS

BEAM NO	BEAM SIZE	T	B	C	DE	CE	ME	MID	RINGS
P.B.1	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	2-3/8"Ø	3/8"Ø@5"TO10"C/C
P.B.2	//	//	//	-	-	-	-	-	// // //
P.B.3	6"x24"	//	//	-	-	-	2-1/2"Ø	-	// // //
P.B.4	//	//	//	-	-	-	-	-	// // //
P.B.5	//	//	//	-	-	-	-	-	// // //
P.B.6	8"x24"	//	//	-	-	-	-	2-3/8"Ø	// // //
P.B.7	//"	//	//	-	-	-	-	-	// // //
P.B.8	//	//	//	-	2-1/2"Ø	-	2-1/2"Ø	2-3/8"Ø	// // //
P.B.9	//	//	//	-	//	-	-	-	// // //
P.B.10	6"x24"	//	//	-	2-5/8"Ø Grid -B	-	-	-	// // //
P.B.11	8"x24"	//	//	-	2-1/2"Ø	-	2-1/2"Ø	2-3/8"Ø	// // //
P.B.12	6"x24"	2-5/8"Ø	2-1/2"Ø	-	-	-	-	-	// // //



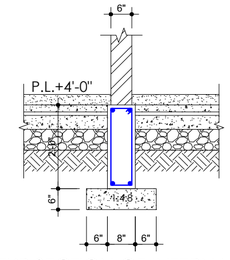
SECTION B-B

Scale : ½" =1'-0"



TYP.SECTION OF EXTERNAL PLINTH BEAM

Scale : ½" =1'-0"



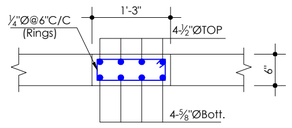
TYP.SECTION OF INTERNAL PLINTH BEAM

Scale : ½" =1'-0"

TENDER DRAWING

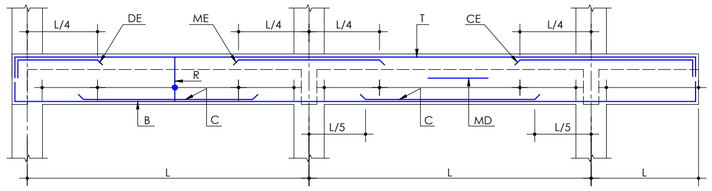
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi
STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION
ENGINEERING ARCHITECTURAL & SERVICES CONSULTANTS

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: PLINTH BEAM FRAMING PLAN AND DETAILS	DATE: 24-11-18 REVD	COM. LOCATION.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. AKHTER
			CHKD. BY: GAZALA	JOB NO.	SHEET REF. STRU. **S-03**



SECTION OF C.B.1

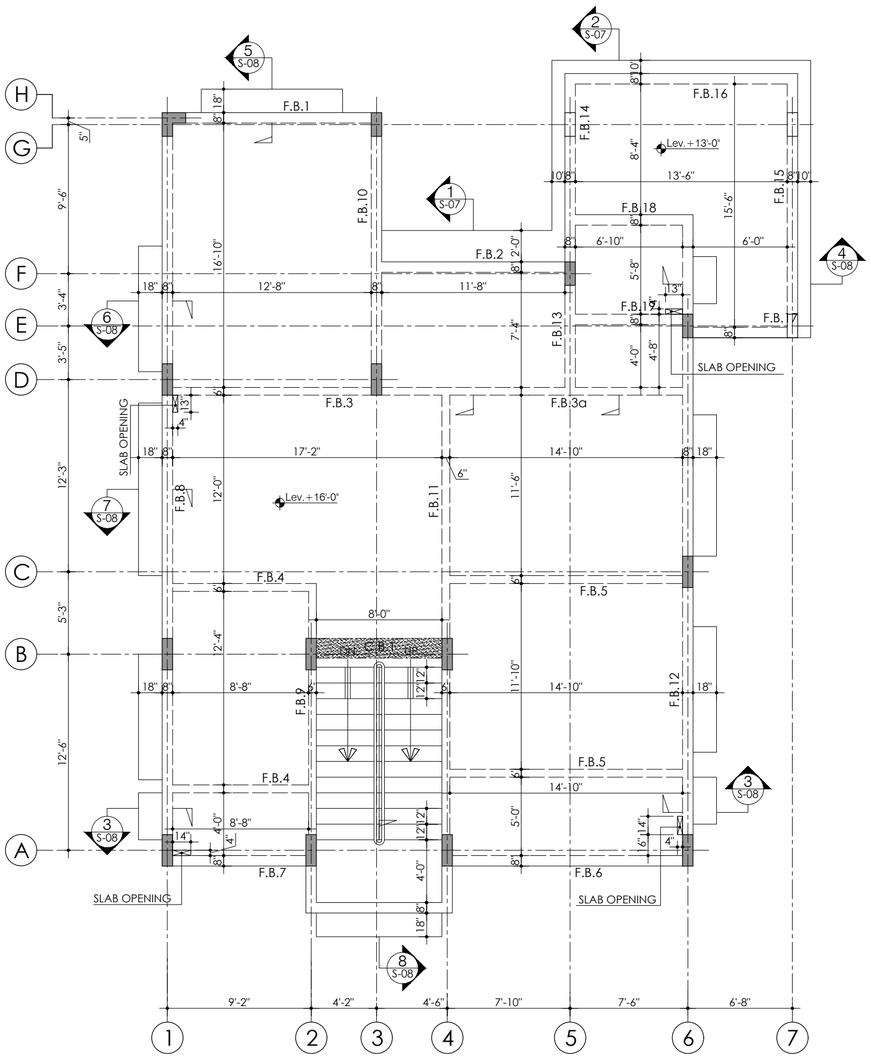
Scale : ¾" =1'-0"



TYPICAL BEAM ELEVATION

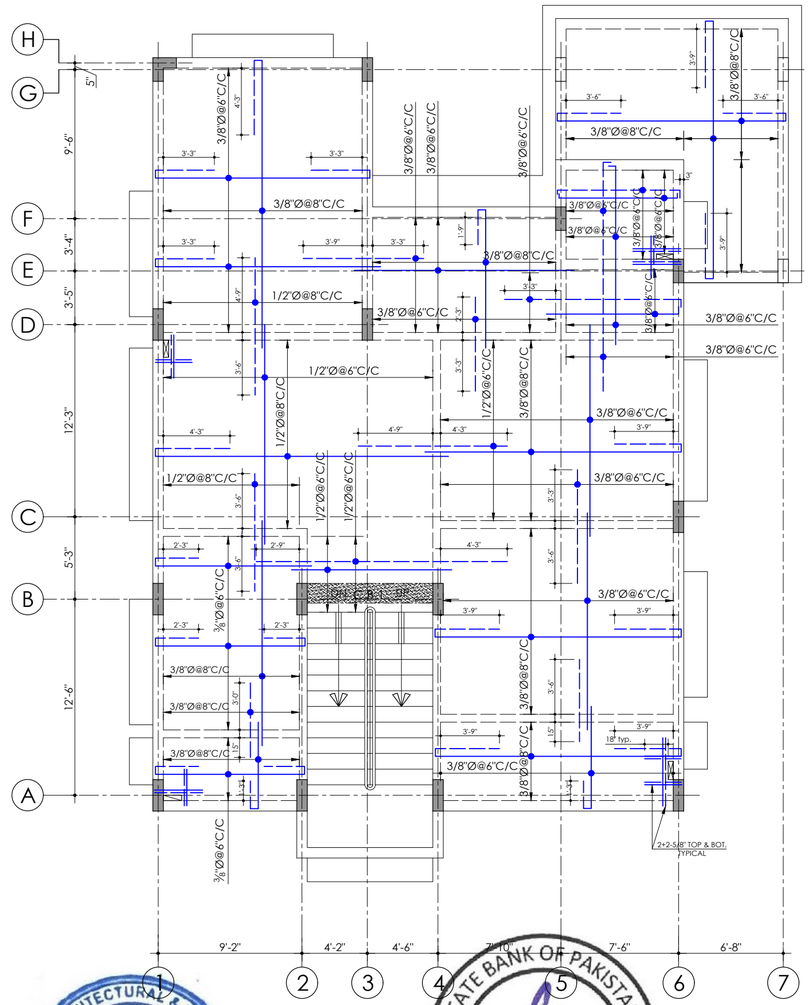
SCHEDULE OF FIRST FLOOR BEAMS

BEAM NO.	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
F.B.1	8"x57"	2-1/2"Ø	4-3/4"Ø	-	-	-	-	See Sec.	3/8"Ø@10"C/C
F.B.2	8"x57"	2-1/2"Ø	4-3/4"Ø	-	-	-	-	//	3/8"Ø@ 5" to 10"C/C
F.B.3	6"x18"	2-1/2"Ø	2-3/4"Ø	-	-	-	2-1"Ø	-	3/8"Ø@ 4" to 8"C/C
F.B.3a	6"x30"	2-1/2"Ø	2-3/4"Ø	2-3/4"Ø Grid 3 To6	-	-	2-1"Ø	-	3/8"Ø@ 7" to10"C/C
F.B.4	6"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@ 5" to 10"C/C
F.B.5	//	2-1/2"Ø	2-3/4"Ø	-	-	-	-	-	// // //
F.B.6	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	// // //
F.B.7	//	//	//	-	-	-	-	-	// // //
F.B.8	8"x57"	//	4-3/4"Ø	-	2-5/8"Ø	-	2-3/4"Ø	See Sec.	3/8"Ø@10"C/C
F.B.9	6"x24"	//	2-5/8"Ø	-	-	2-3/4"Ø	-	-	3/8"Ø@ 5" to 10"C/C
F.B.10	8"x57"	2-1/2"Ø	4-3/4"Ø	-	//	-	-	6-3/8"Ø	3/8"Ø@10"C/C
F.B.11	6"x24"	//	2-3/4"Ø	2-5/8"Ø Grid B TO D	-	2-3/4"Ø	2-3/4"Ø	-	3/8"Ø@ 5" to 10"C/C
F.B.12	8"x57"	2-1/2"Ø	4-3/4"Ø	-	2-3/4"Ø	4-3/4"Ø	2-3/4"Ø	See Sec.	3/8"Ø@10"C/C
F.B.13	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	2-5/8"Ø	-	-	3/8"Ø@ 5" to 10"C/C
F.B.14	//	//	//	-	-	2-5/8"Ø	-	-	// // //
F.B.15	//	//	//	-	//	//	-	-	// // //
F.B.16	//	//	//	-	-	-	-	-	// // //
F.B.17	//	//	//	-	-	-	-	-	// // //
F.B.18	//	//	//	-	-	-	-	-	// // //
F.B.19	8"x39"	//	4-5/8"Ø	-	-	-	-	See Sec.	3/8"Ø@9"C/C



FIRST FLOOR BEAM FRAMING PLAN

Scale : 3/16" =1'-0"



6"TH FIRST FLOOR SLAB REINF. PLAN

Scale : 3/16" =1'-0"

Notes-

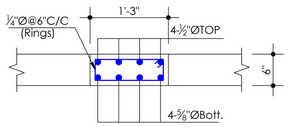
¾"Ø@8"C/C Distribution Bars Wherever Required In Slab

TENDER DRAWING

ESS,I,AAR
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

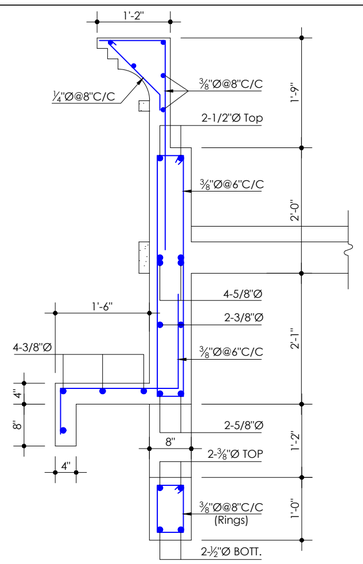
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION
ENGINEERING DEPARTMENT

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: FIRST FLOOR BEAM FRAMING, REINFOR. PLAN AND DETAILS	DATE: 24-11-18 REV.0	COM. LOCATION. / SHEET REF. STRU.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. AKHTER / CHKD. BY: GAZALA / JOB NO. / **S-04**

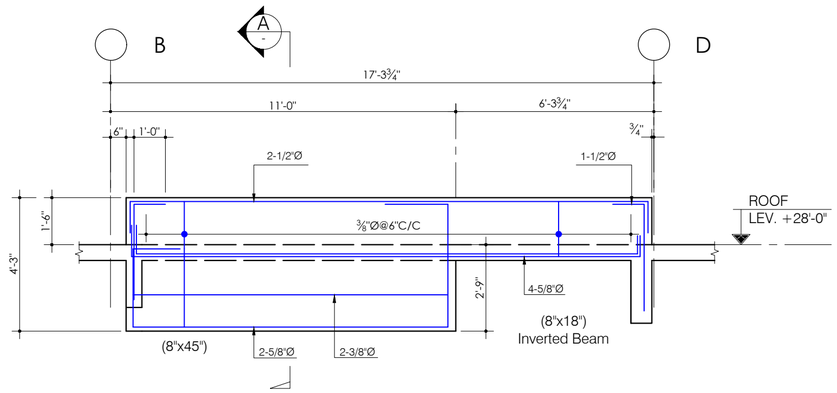


SECTION OF C.B.1

Scale : ¾" =1'-0"

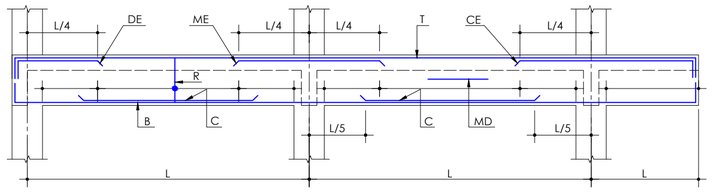


SECTION A-A



BEAM ELEVATION RB-9

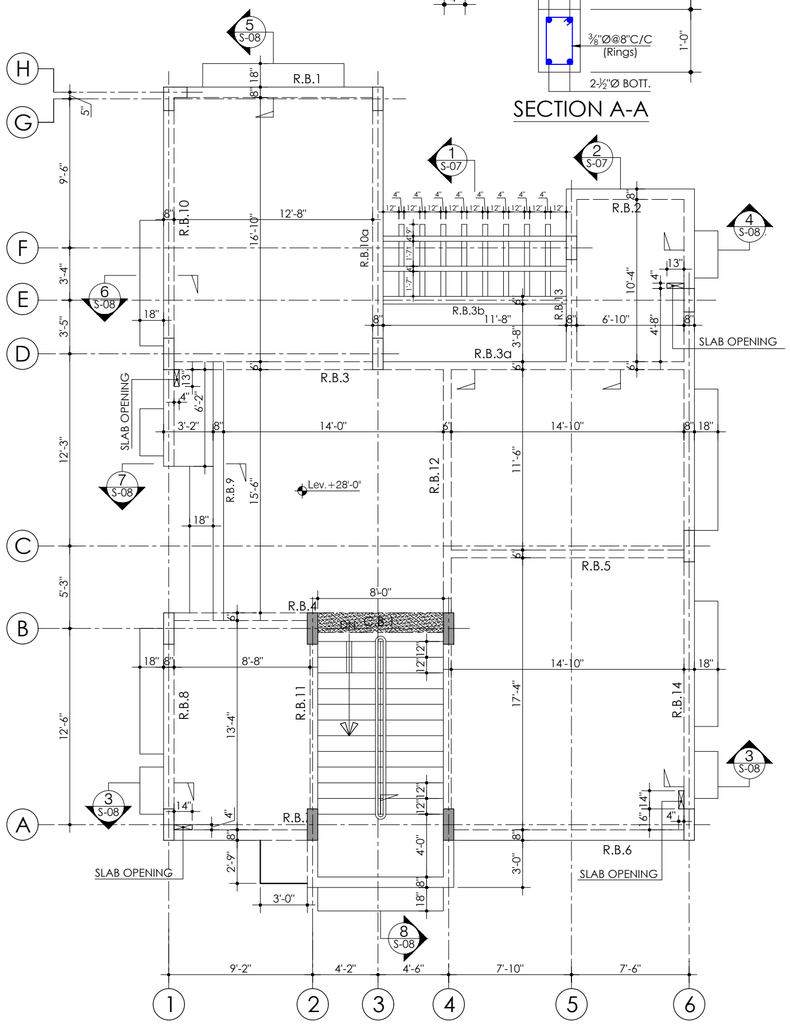
Scale : ⅜" =1'-0"



TYPICAL BEAM ELEVATION

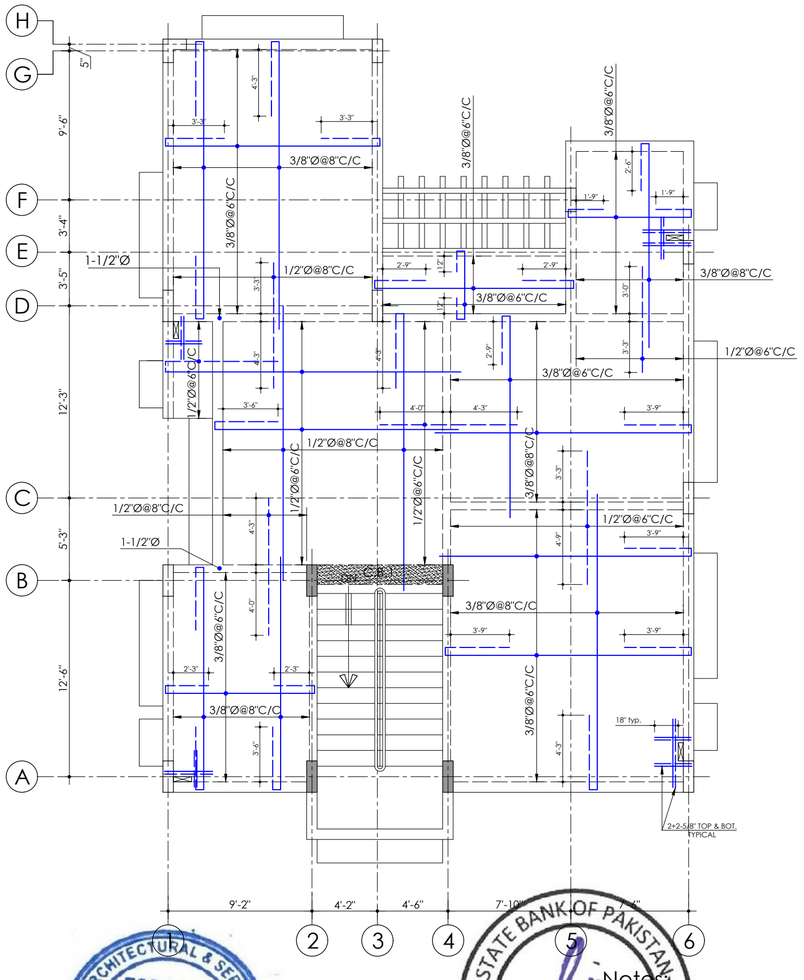
SCHEDULE OF ROOF FLOOR BEAMS

BEAM NO.	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
R.B.1	8"x57"	2-1/2"Ø	4-3/4"Ø	-	-	-	-	See Sec.	3/8"Ø@10"C/C
R.B.2	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
R.B.3	6"x30"	//	2-3/4"Ø	-	2-5/8"Ø Grid 1	-	2-1"Ø	-	// // //
R.B.3a	6"x39"	//	2-3/4"Ø	2-3/4"Ø Grid 3 To6	-	-	2-1"Ø	2+2 - ⅜"Ø	3/8"Ø@10"C/C
R.B.3b	6"x12"	//	2-3/4"Ø	-	-	-	-	-	3/8"Ø@6"C/C
R.B.4	6"x24"	//	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
R.B.5	//	//	//	-	-	-	-	-	// // //
R.B.6	8"x24"	//	//	-	-	-	-	-	// // //
R.B.7	//	//	//	-	-	-	-	-	
R.B.8	8"x57"	2-1/2"Ø	4-3/4"Ø	-	-	-	-	See Sec.	3/8"Ø@10"C/C
R.B.9	SEE BEAM PROFILE								
R.B.10	8"x57"	2-1/2"Ø	4-3/4"Ø	-	2-5/8"Ø	4-3/4"Ø	-	See Sec.	3/8"Ø@10"C/C
R.B.10a	8"x39"	2-1/2"Ø	4-5/8"Ø	-	2-1/2"Ø	-	-	-	3/8"Ø@5"TO10"C/C
R.B.11	6"x24"	//	2-5/8"Ø		//	2-3/4"Ø	-	-	// // //
R.B.12	6"x24"	//	//	2-5/8"Ø Grid B TO D	-	//	2-3/4"Ø	-	// // //
R.B.13	8"x39"	//	4-5/8"Ø	-	-	2-5/8"Ø	-	-	3/8"Ø@10"C/C
R.B.14	8"x57"	2-1/2"Ø	4-3/4"Ø	-	2-3/4"Ø	4-3/4"Ø	2-3/4"Ø	See Sec.	// // //



ROOF BEAM FRAMING PLAN

Scale : 3/16" =1'-0"



6"THK.ROOF SLAB REINF. PLAN

Scale : 3/16" =1'-0"

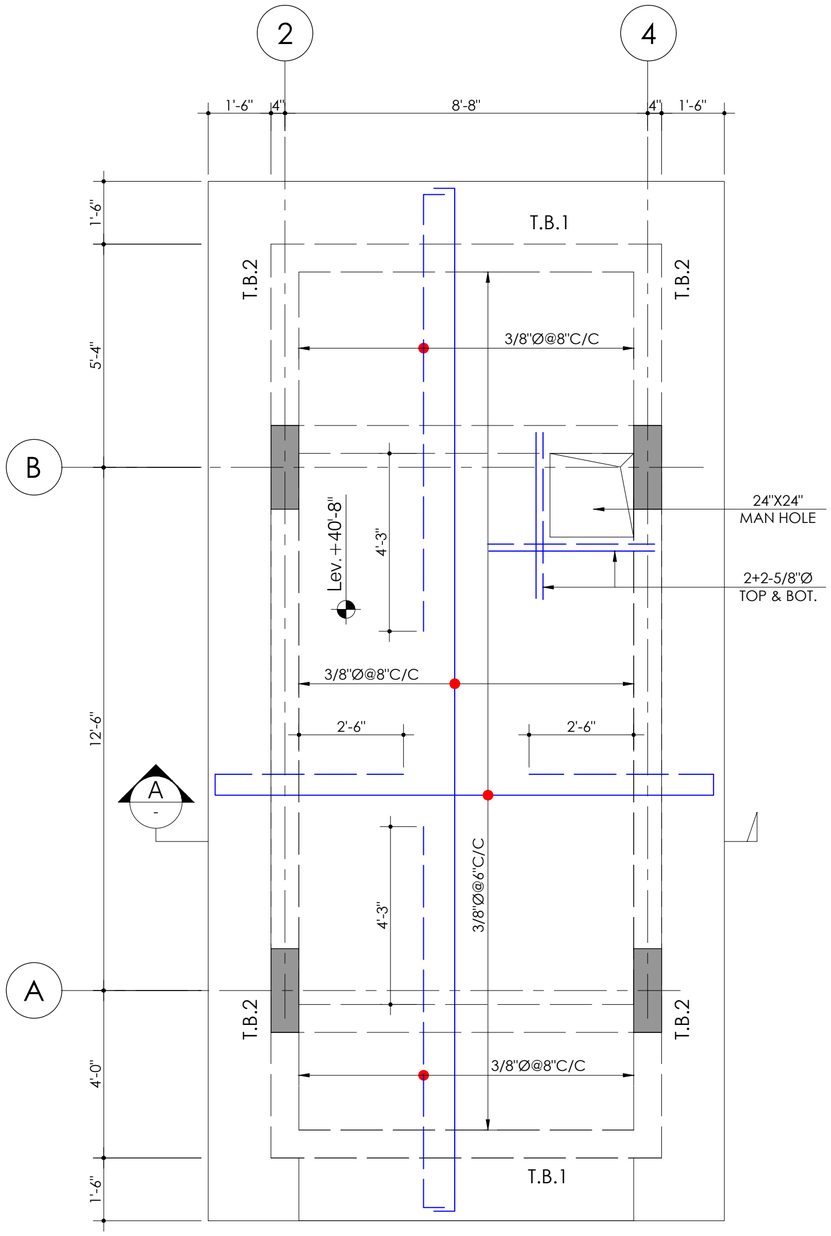
Notes:

3/8"Ø@8"C/C Distribution Bars Wherever Required In Slab

TENDER DRAWING

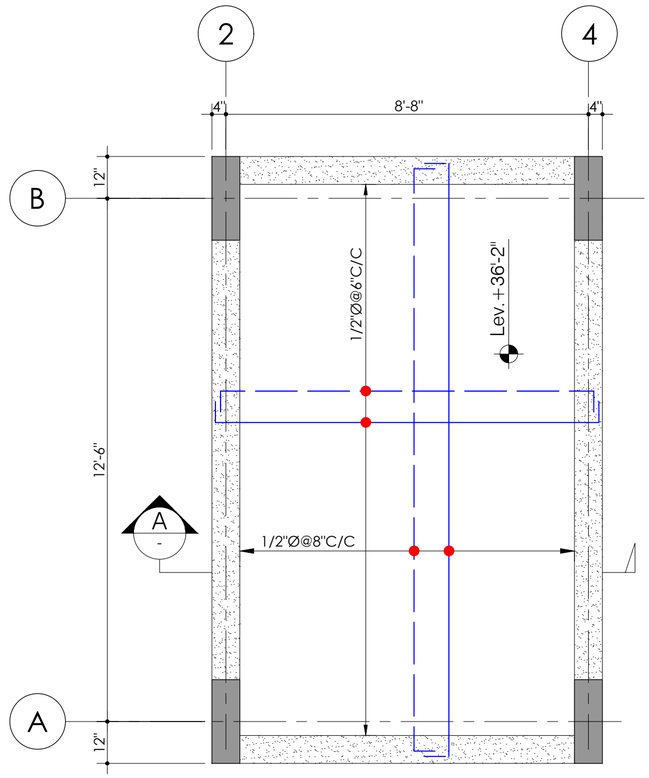
ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
ESS
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi
STATE BANK OF PAKISTAN
PROJECT MANAGEMENT DIVISION

Client	Job	Consultant	TITLE	DATE	COM. LOCATION.	SHEET REF.
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	ROOF BEAM FRAMING, REINFOR. PLAN AND DETAILS	24-11-18 REV-0		STRU.
			Ref. Rev.	SCALE N.T.S	DRAWN M. AKHTER	CHKD. BY GAZALA	JOB NO.	**S-05**



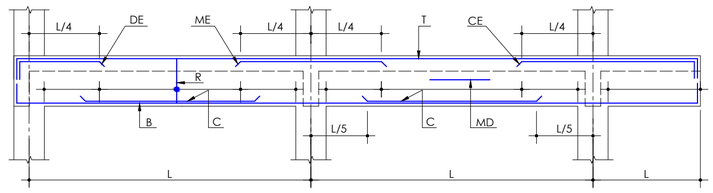
5"TH. STAIR CASE TOWER SLAB REINF.

Scale : ½" =1'-0"



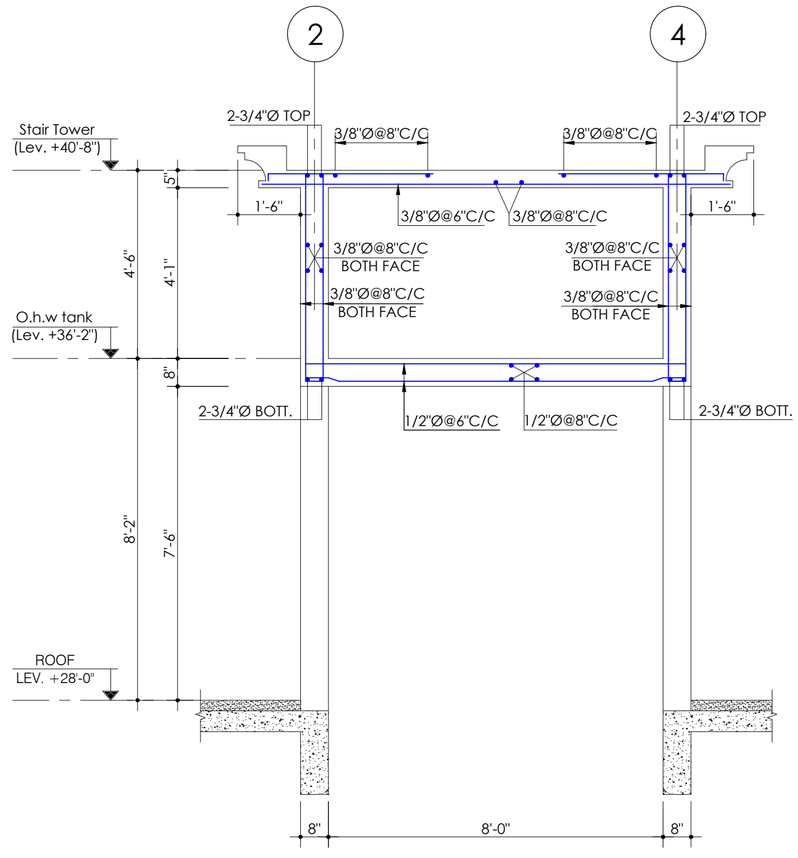
8"TH. O.H. WATER TANK BOTTOM SLAB REINF.

Scale : ½" =1'-0"



TYPICAL BEAM ELEVATION

SCHEDULE OF STAIRCASE TOWER BEAMS									
BEAM NO.	BEAM SIZE	T	B	C	DE	CE	ME	MD	RINGS
T.B.1	8"x24"	2-1/2"Ø	2-5/8"Ø	-	-	-	-	-	3/8"Ø@5"TO10"C/C
T.B.2	//	2-3/4"Ø	//	-	-	-	-	-	// // //

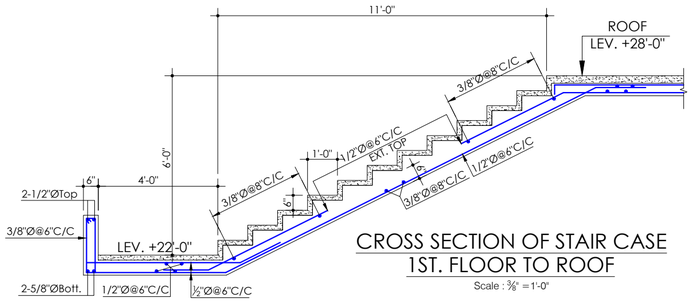


SECTION A-A

Scale : ½" =1'-0"

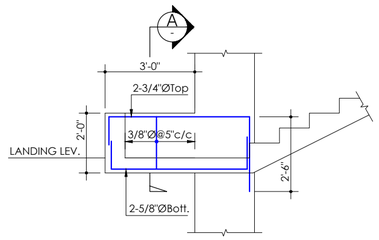
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: STAIR CASE TOWER & O.H.W. TANK DETAIL	DATE: 24-11-18 (REV-0)	COM. LOCATION. / SHEET REF.: STRU.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. AKHTER / CHKD. BY: GAZALA / JOB NO. / **S-06**



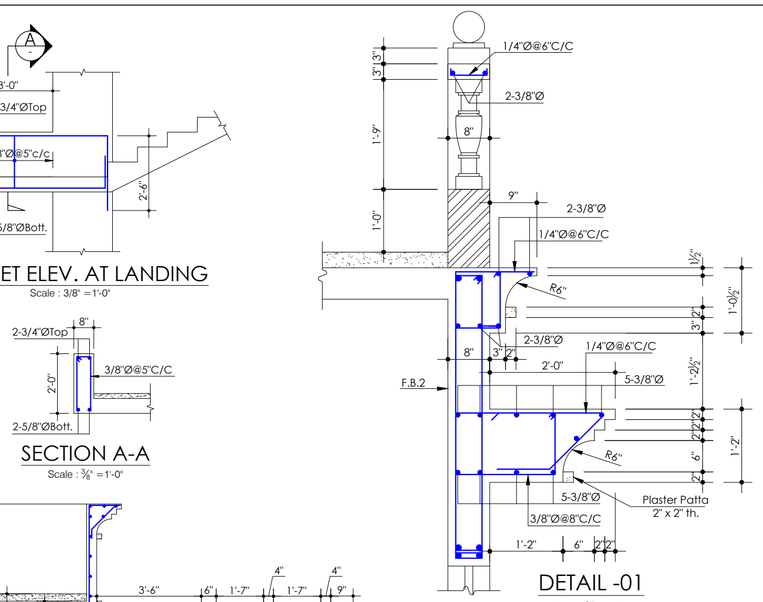
CROSS SECTION OF STAIR CASE 1ST. FLOOR TO ROOF

Scale : ⅜" =1'-0"



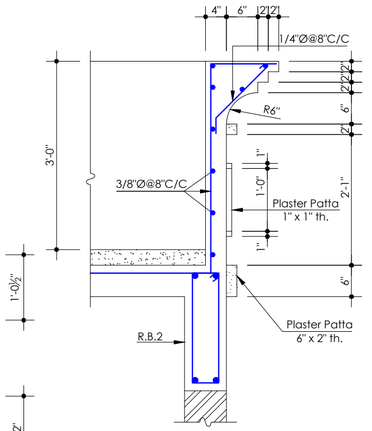
BRACKET ELEV. AT LANDING

Scale : 3/8" =1'-0"



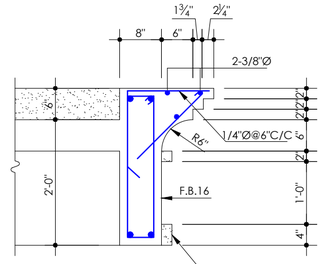
DETAIL -01

Scale : ¾" =1'-0"



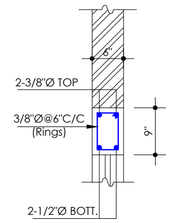
DETAIL -02

Scale : ¾" =1'-0"



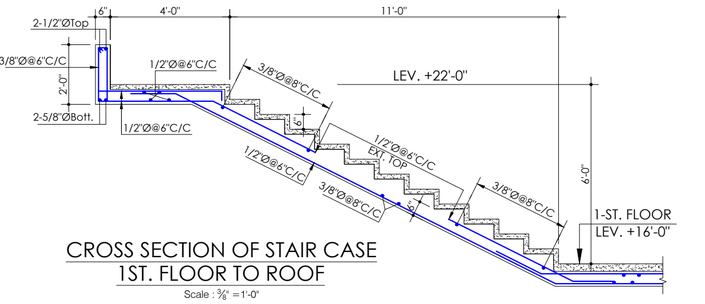
DETAIL -03

Scale : ¾" =1'-0"



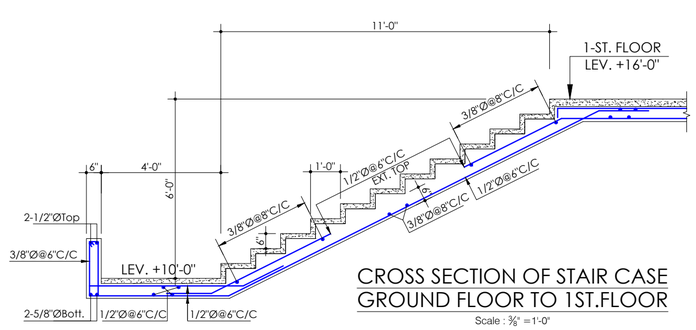
DETAIL -01A

Scale : ¾" =1'-0"



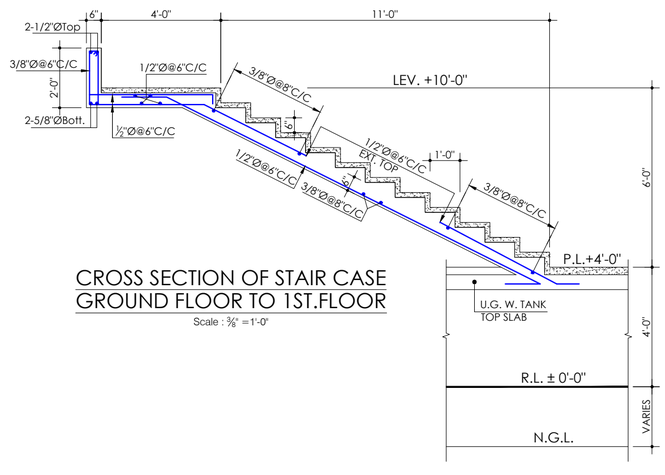
CROSS SECTION OF STAIR CASE 1ST. FLOOR TO ROOF

Scale : ⅜" =1'-0"



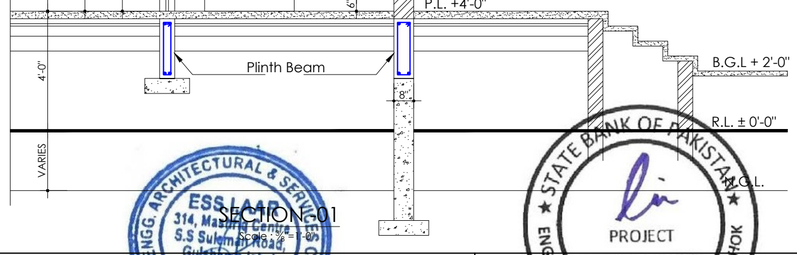
CROSS SECTION OF STAIR CASE GROUND FLOOR TO 1ST.FLOOR

Scale : ⅜" =1'-0"



CROSS SECTION OF STAIR CASE GROUND FLOOR TO 1ST.FLOOR

Scale : ⅜" =1'-0"

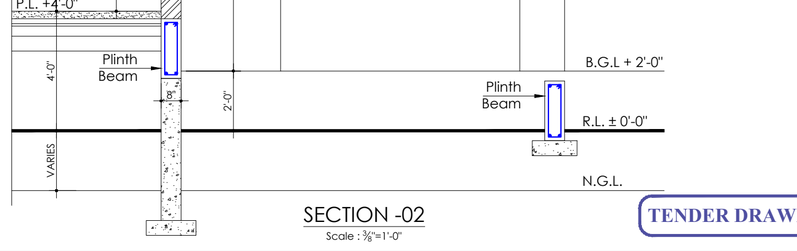


SECTION A-A

Scale : ⅜" =1'-0"

SECTION -01

Scale : ⅜"=1'-0"



SECTION -02

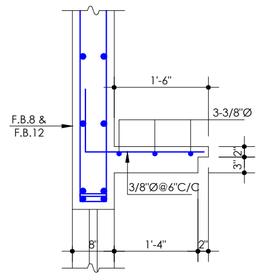
Scale : ⅜"=1'-0"

TENDER DRAWING

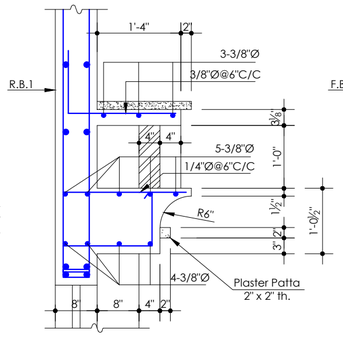
ESS ENGG. ARCHITECTURAL & SERVICES (PVT.) LTD. ESS-I-AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-E-Iqbal Karachi

STATE BANK OF PAKISTAN ★ ENGINEERING DEPARTMENT ★ PROJECT MANAGEMENT DIVISION

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: CROSS SECTION OF STAIR CASE AND SECTION DETAILS	DATE: 24-11-18 REV-0	COM. LOCATION.	SHEET REF. STRU.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. AKHTER	CHKD. BY: GAZALA	JOB NO.	**S-07**



DETAIL -04
Scale : ¾" =1'-0"



DETAIL -05
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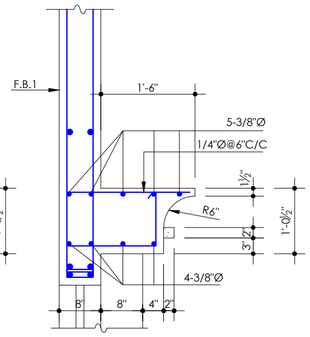

DETAIL -06
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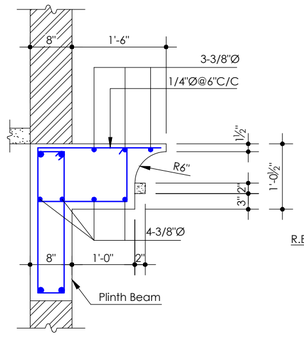

DETAIL -07
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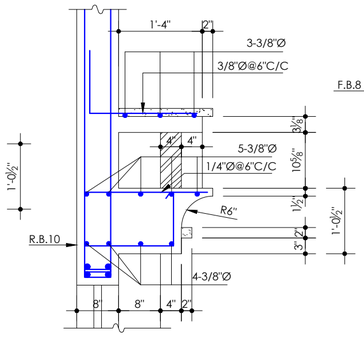

DETAIL -08
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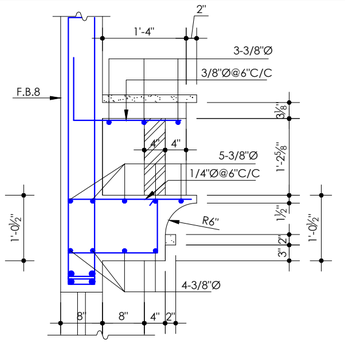

DETAIL -09
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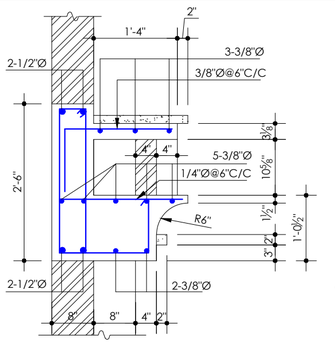
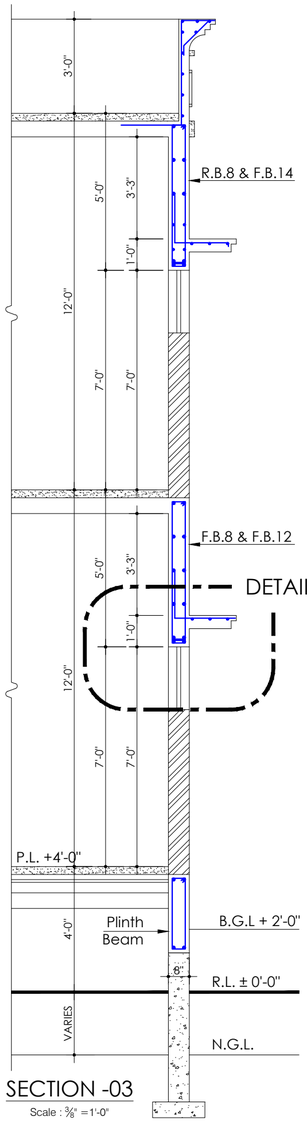
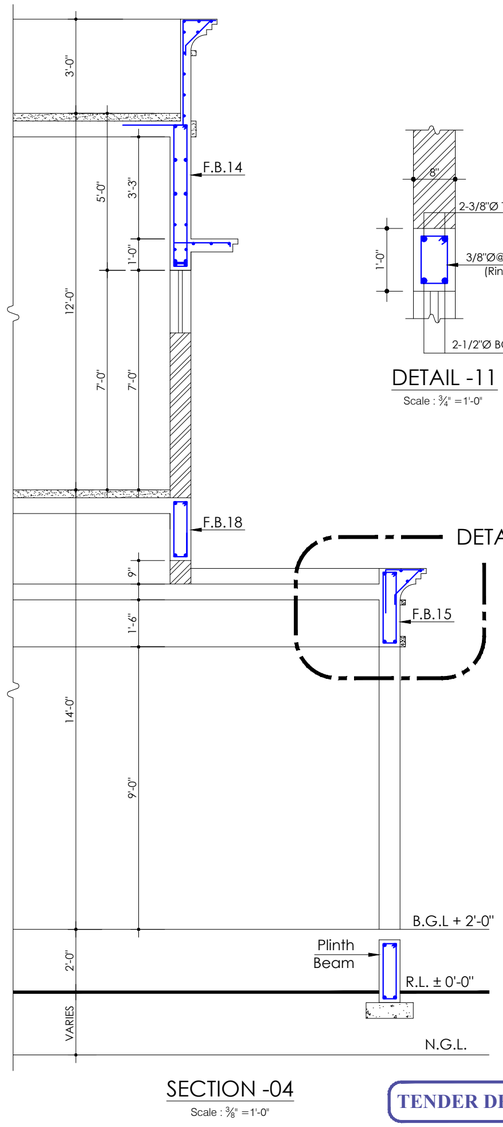


DETAIL -10
Scale : ¾" =1'-0"



SECTION -03
Scale : ⅜" =1'-0"



SECTION -04
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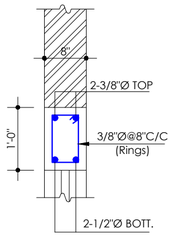
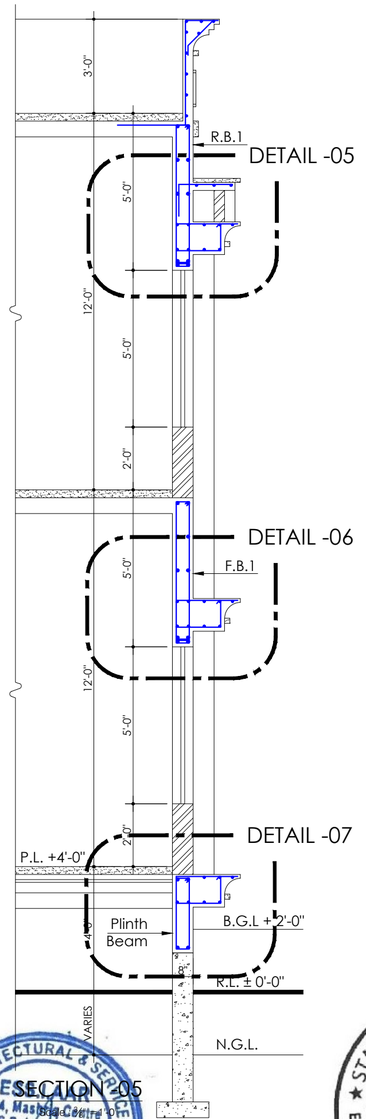


DETAIL -11
Scale : ¾" =1'-0"



SECTION -05
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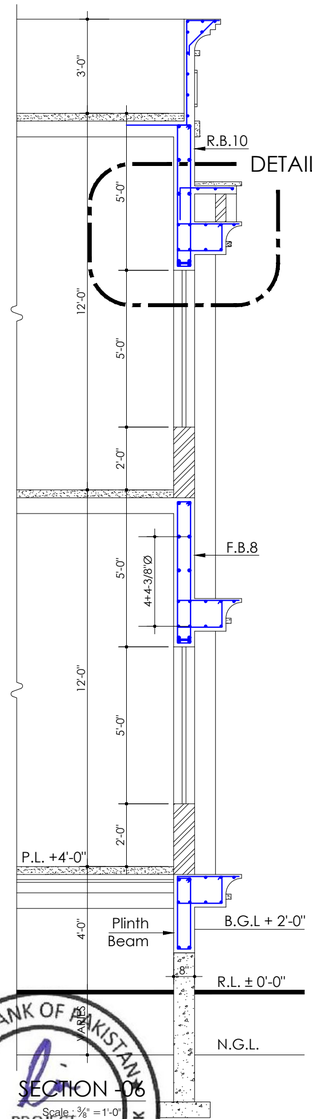

SECTION -06
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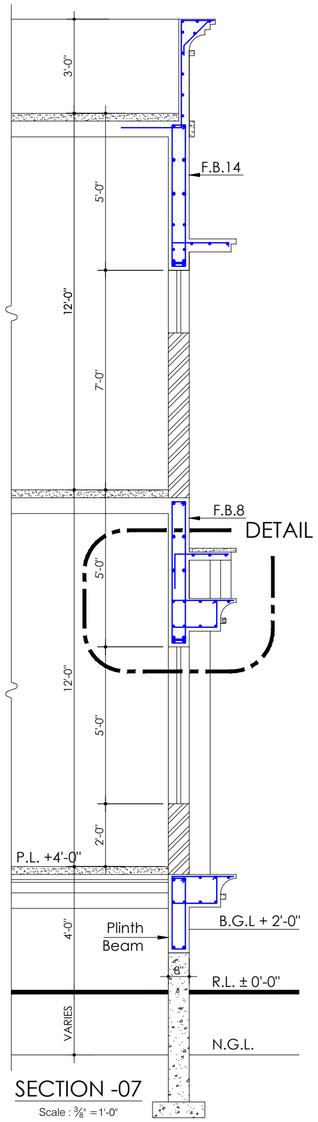

SECTION -07
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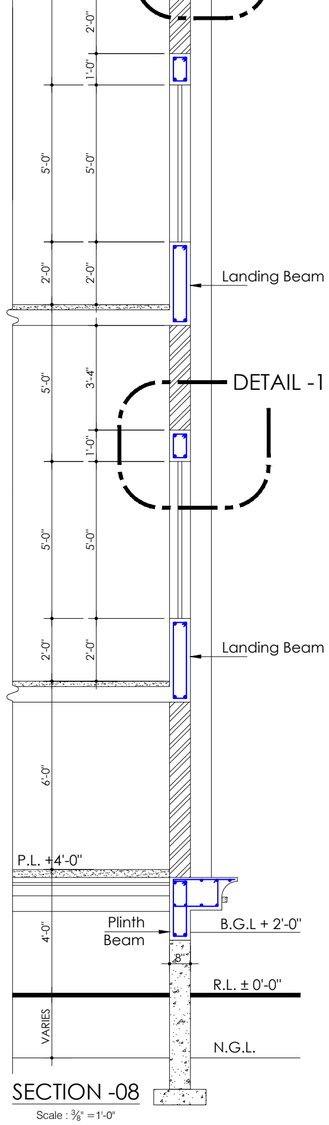


SECTION -08
Scale : ⅜" =1'-0"

TENDER DRAWING

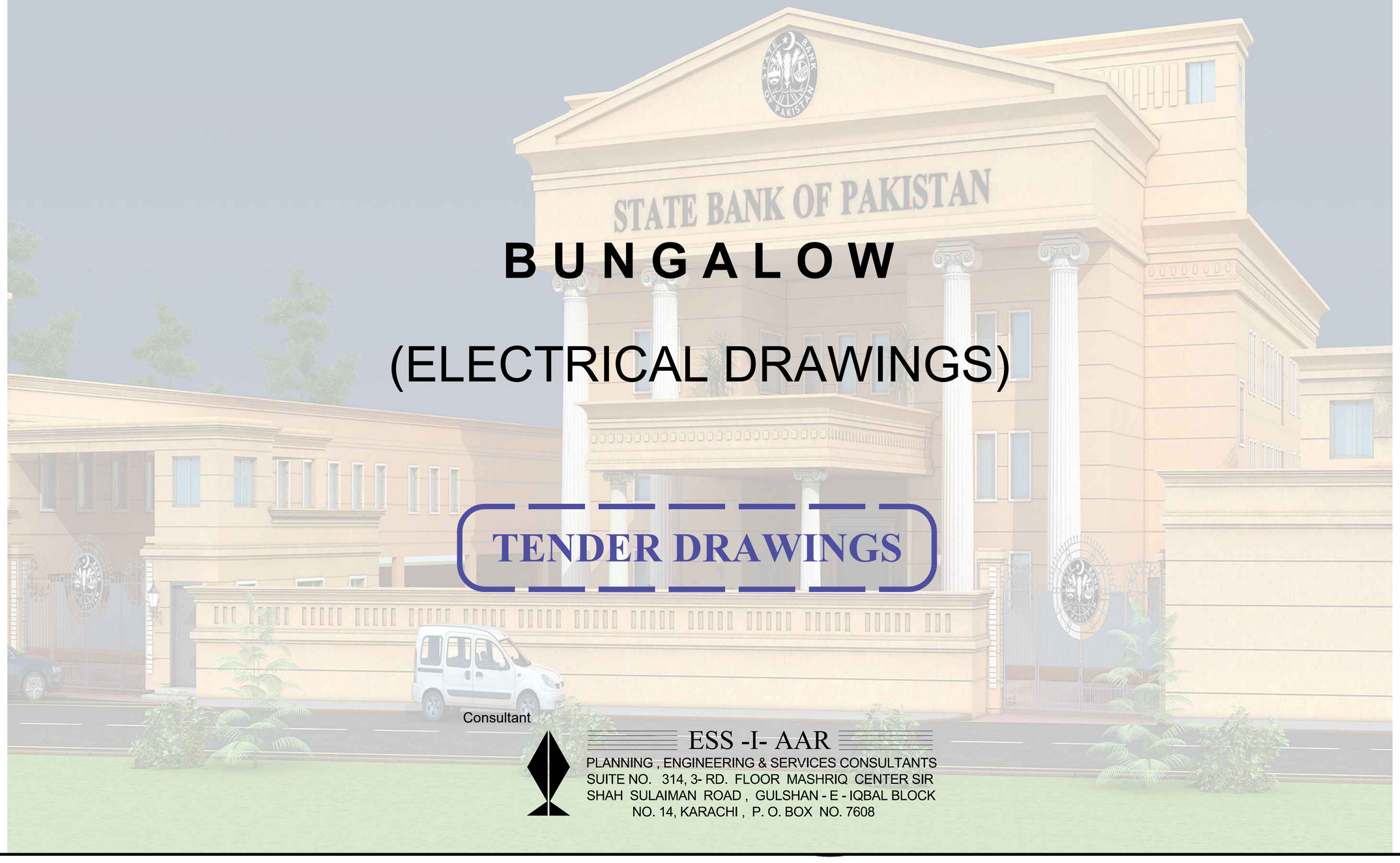
ESS-I-AAR ENGINEERING ARCHITECTURAL & SERVICES CONSULTANTS 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN ENGINEERING DEPARTMENT PROJECT MANAGEMENT DIVISION KARACHI

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA **BUNGALOW**	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: SECTION AND DETAILS	DATE: 24-11-18 REV-0	COM. LOCATION. / SHEET REF. STRU.
			Ref. Rev.	SCALE: N.T.S	DRAWN: M. AKHTER / CHKD. BY: GAZALA / JOB NO. / **S-08**

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



BUNGALOW

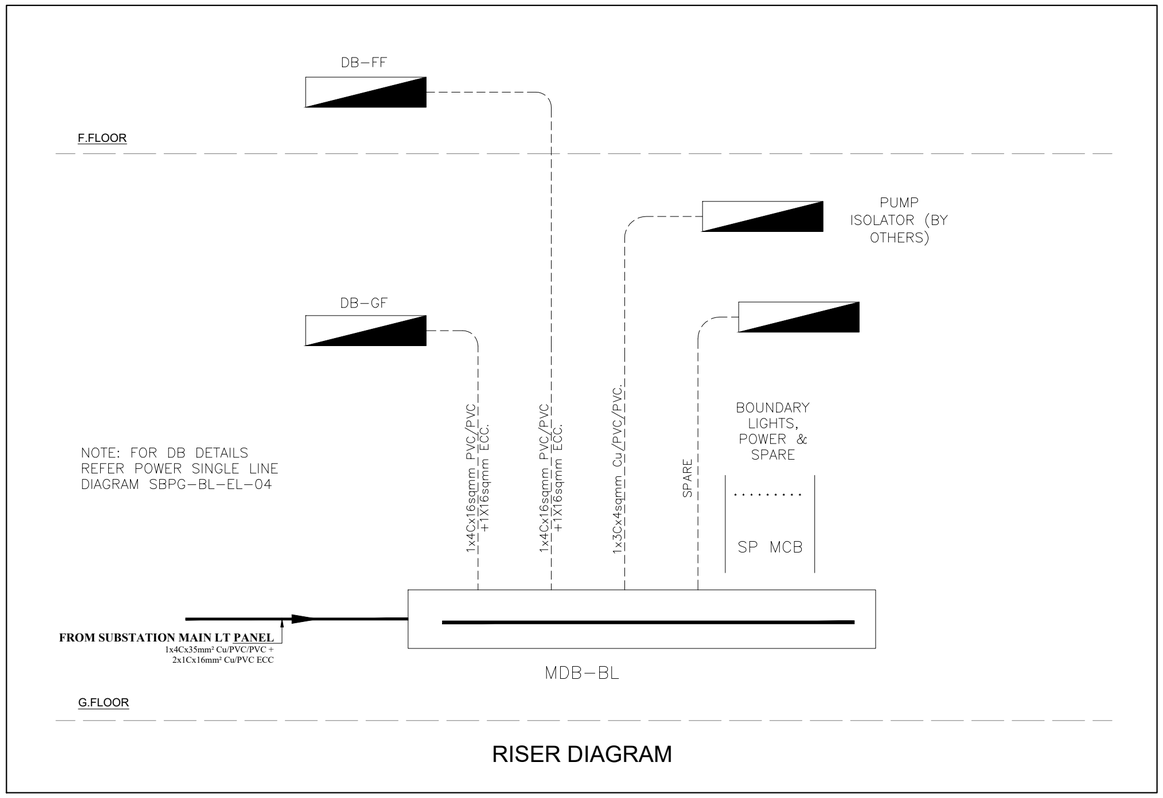
(ELECTRICAL DRAWINGS)

TENDER DRAWINGS

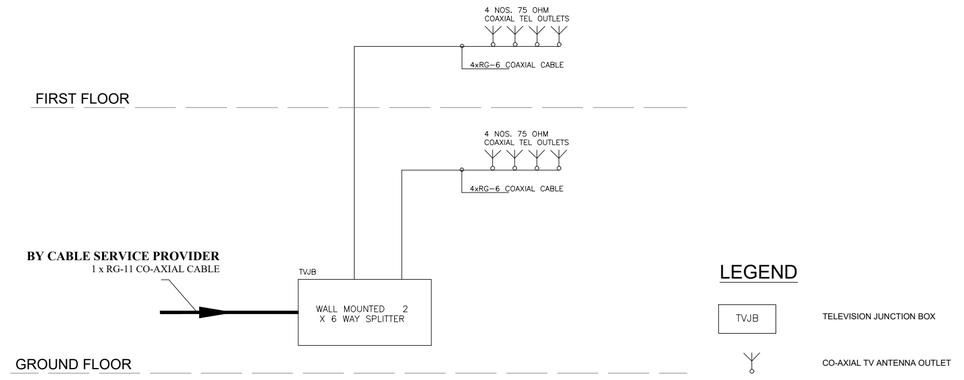
Consultant

ESS -I- AAR

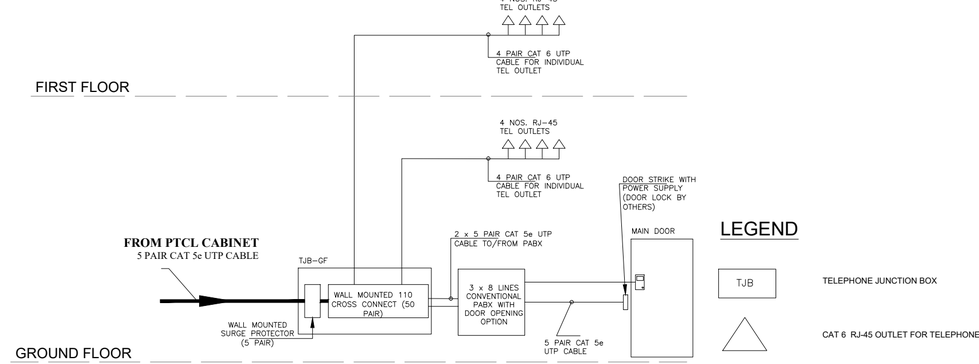
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608



RISER DIAGRAM



TELEVISION SYSTEM RISER DIAGRAM



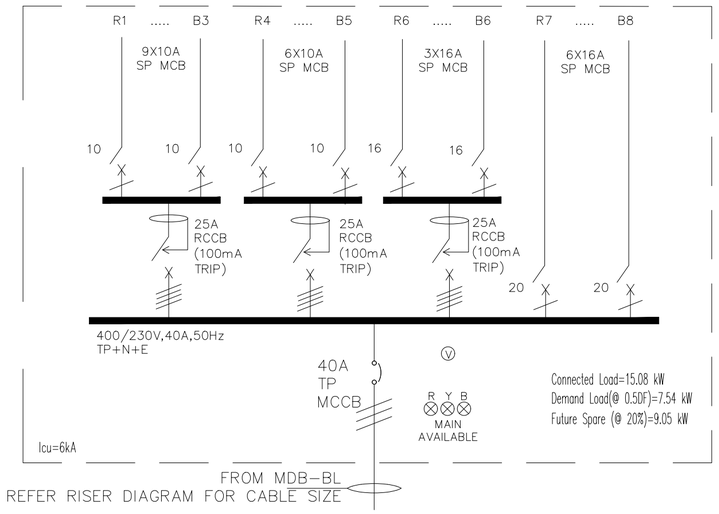
TELEPHONE SYSTEM RISER DIAGRAM

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS DISTRIBUTED 3&4, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: POWER & SYSTEMS SCHEMATIC DIAGRAMS	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: A.A / JOB NO. / SBPG–BL–EL–03

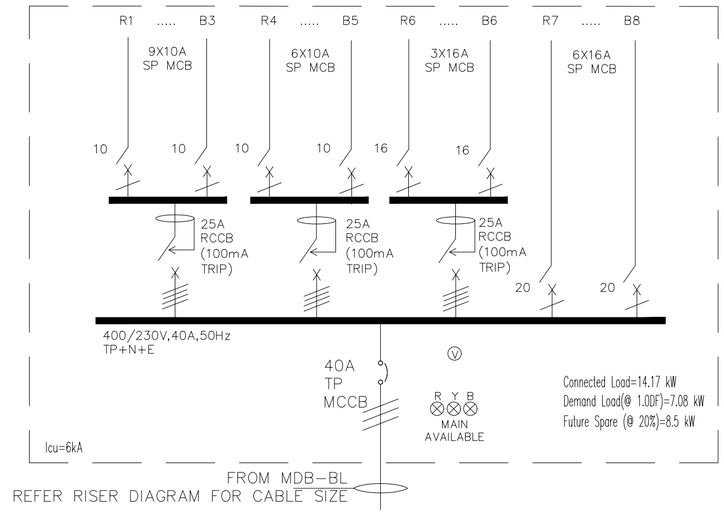
DB-GF

CABLE	3x1Cx2.5sqmm Cu/PVC	3x1Cx2.5sqmm Cu/PVC	3x1Cx2.5sqmm Cu/PVC	3x1Cx2.5sqmm Cu/PVC
CIRCUITS IN USE	R1 TO B2	R4 TO Y5	R6 TO B6	R7 TO R8
SPARE CIRCUITS	R3 to B3	B5	----	Y8 TO B8
USAGE	LIGHTING	5A SOCKETS	15A SOCKETS	AC UNITS



DB-FF

CABLE	3x1Cx2.5sqmm Cu/PVC	3x1Cx2.5sqmm Cu/PVC	3x1Cx2.5sqmm Cu/PVC	3x1Cx2.5sqmm Cu/PVC
CIRCUITS IN USE	R1 TO B2	R4 TO Y5	R6 TO B6	R7 TO R8
SPARE CIRCUITS	R3 to B3	B5	----	Y8 TO B8
USAGE	LIGHTING	5A SOCKETS	15A SOCKETS	AC UNITS

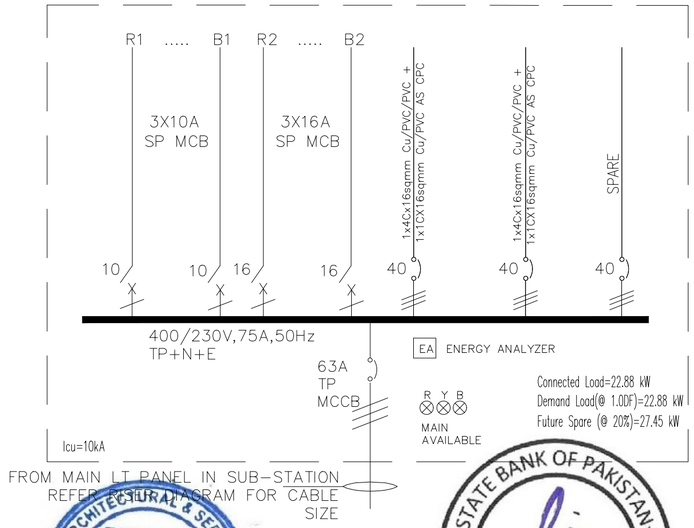


MDB-BL

CABLE	3x1Cx2.5sqmm Cu/PVC	1x3Cx4sqmm Cu/PVC/PVC	1x4Cx16sqmm Cu/PVC/PVC	1x4Cx16sqmm Cu/PVC/PVC
CIRCUITS IN USE	R1 TO B1	R2	RYB	RYB
SPARE CIRCUITS	----	Y2 TO B2	----	----
USAGE	LIGHTING	POWER	TO DB-GF	TO DB-FF

NOTES:

R2 IS FOR 1 HP PUMP

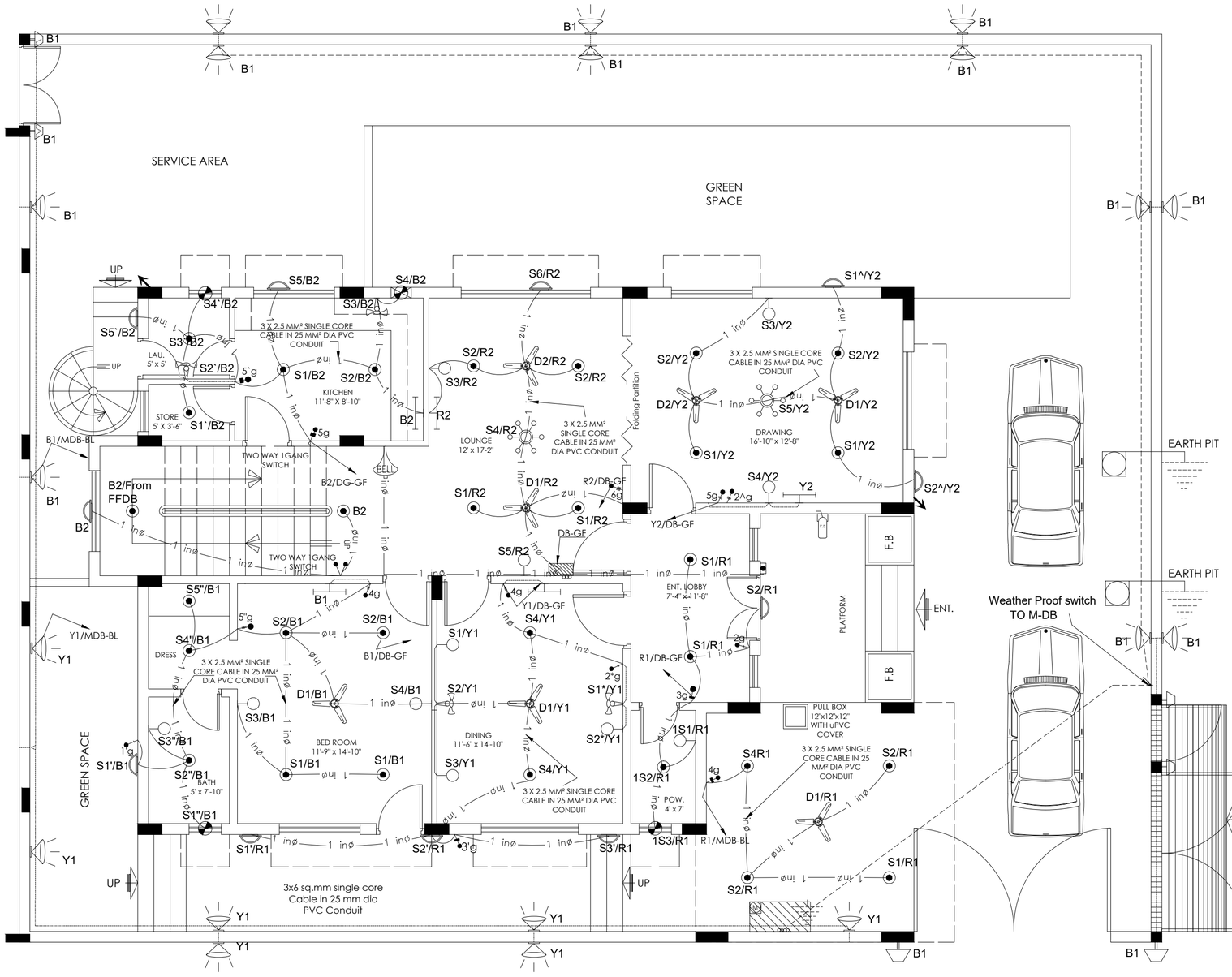


NOTES:

ALL ENERGY ANALYZERS SHALL BE NETWORK TYPE AND LOOPED TOGETHER WITH VENDOR RECOMMENDED CABLE

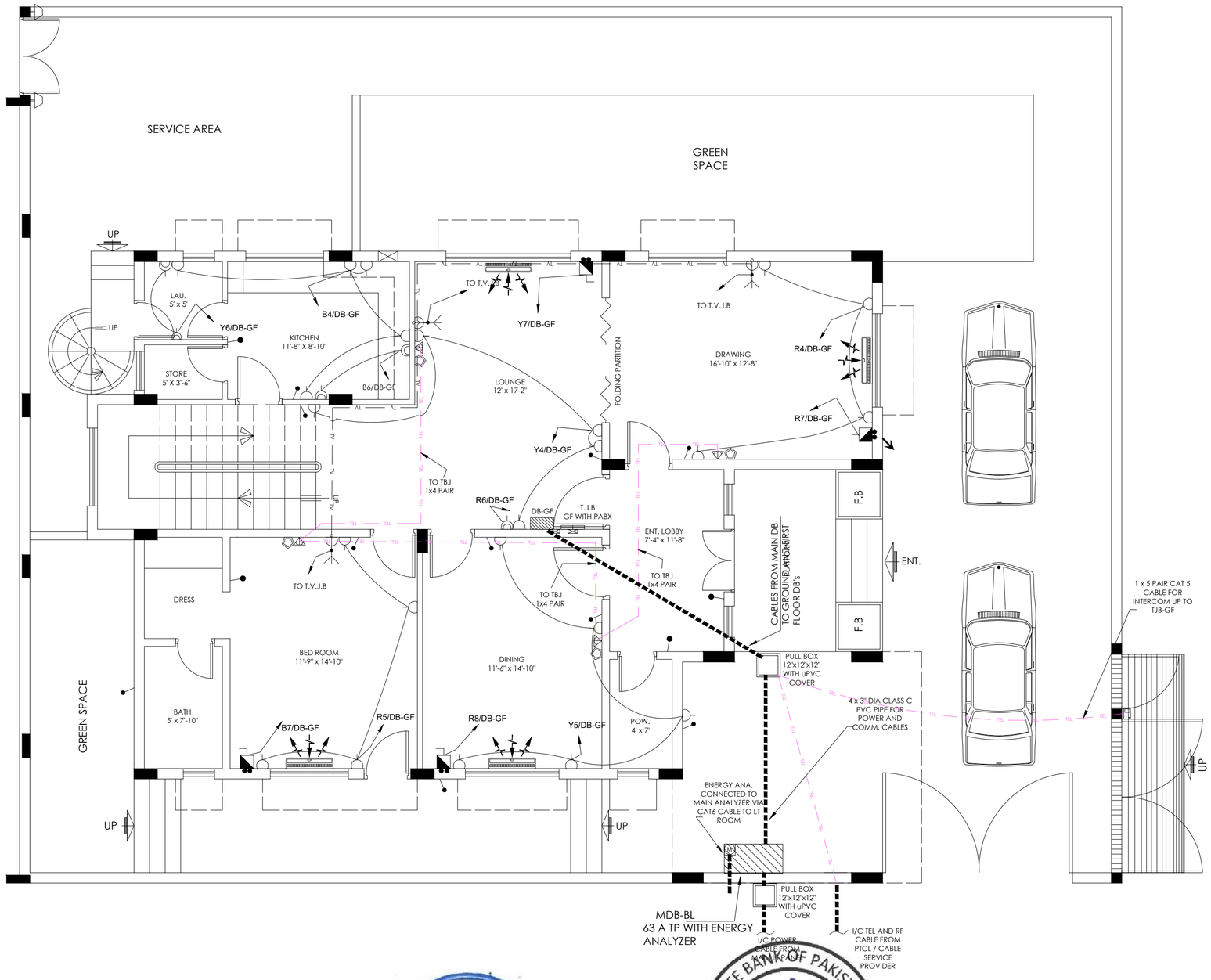
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3-RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: POWER SINGLE LINE DIAGRAM	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: N.T.S	DRAWN: S.K / CHKD. BY: A.A / JOB NO. / SBPC-BL-EL-04



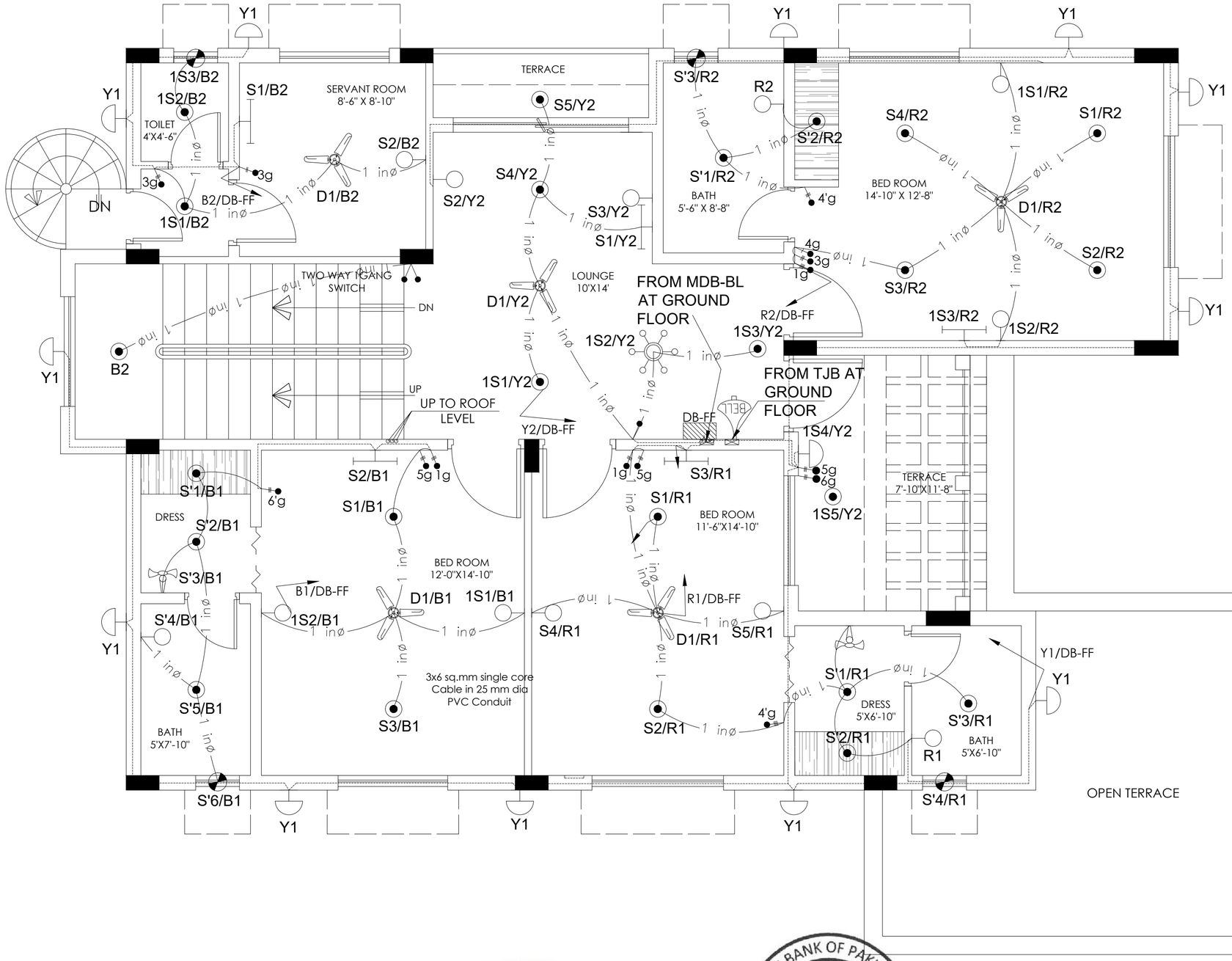
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: GROUND FLOOR LIGHTING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/4"=1'-0"	DRAWN: S.K / CHKD. BY: A.A / JOB NO.	SBPG-BL-EL-05



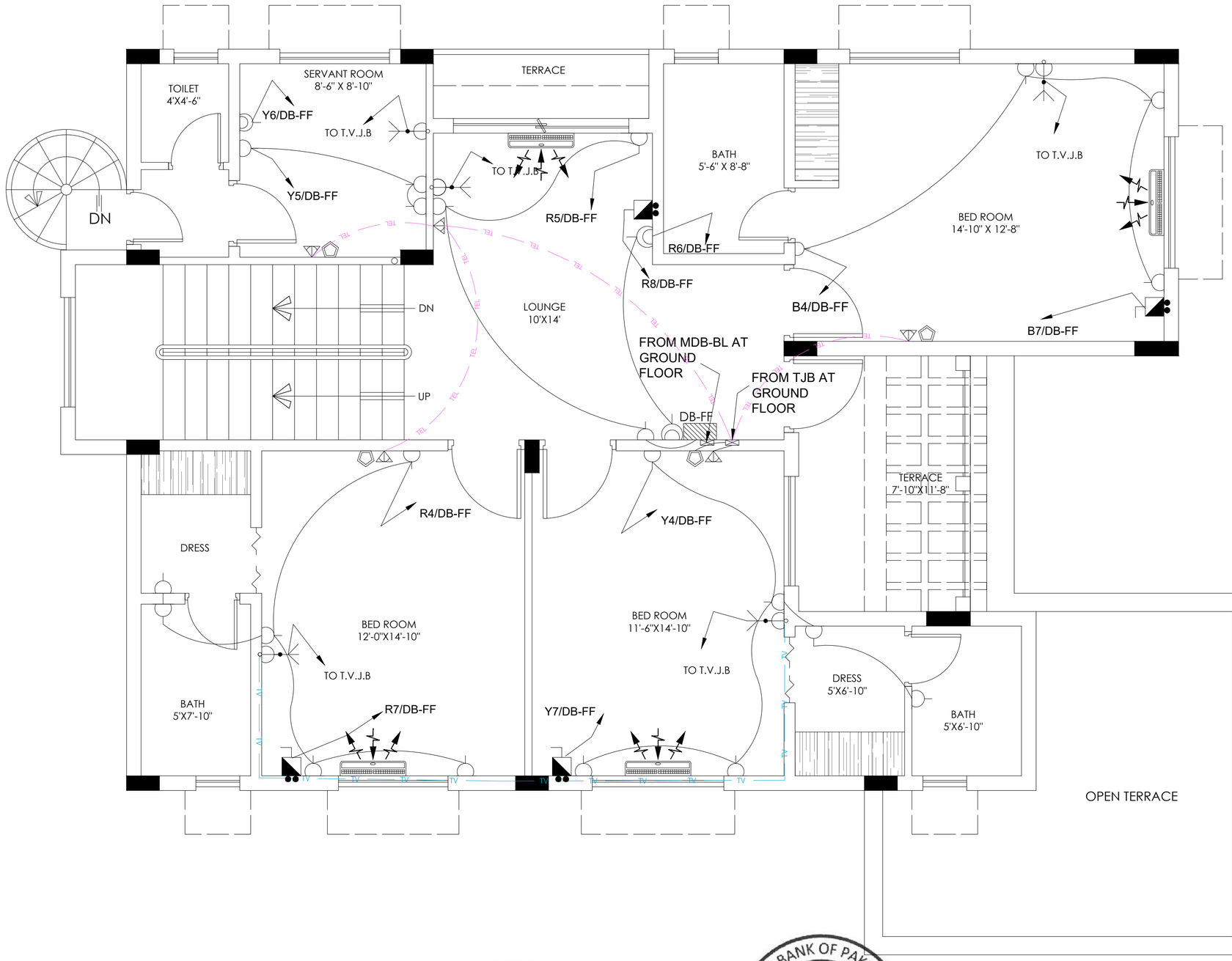
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: GROUND FLOOR POWER & SYSTEM LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 1/4"=1'-0"	DRAWN: S.K / CHKD. BY: A.A / JOB NO.	SBPG-BL-EL-06



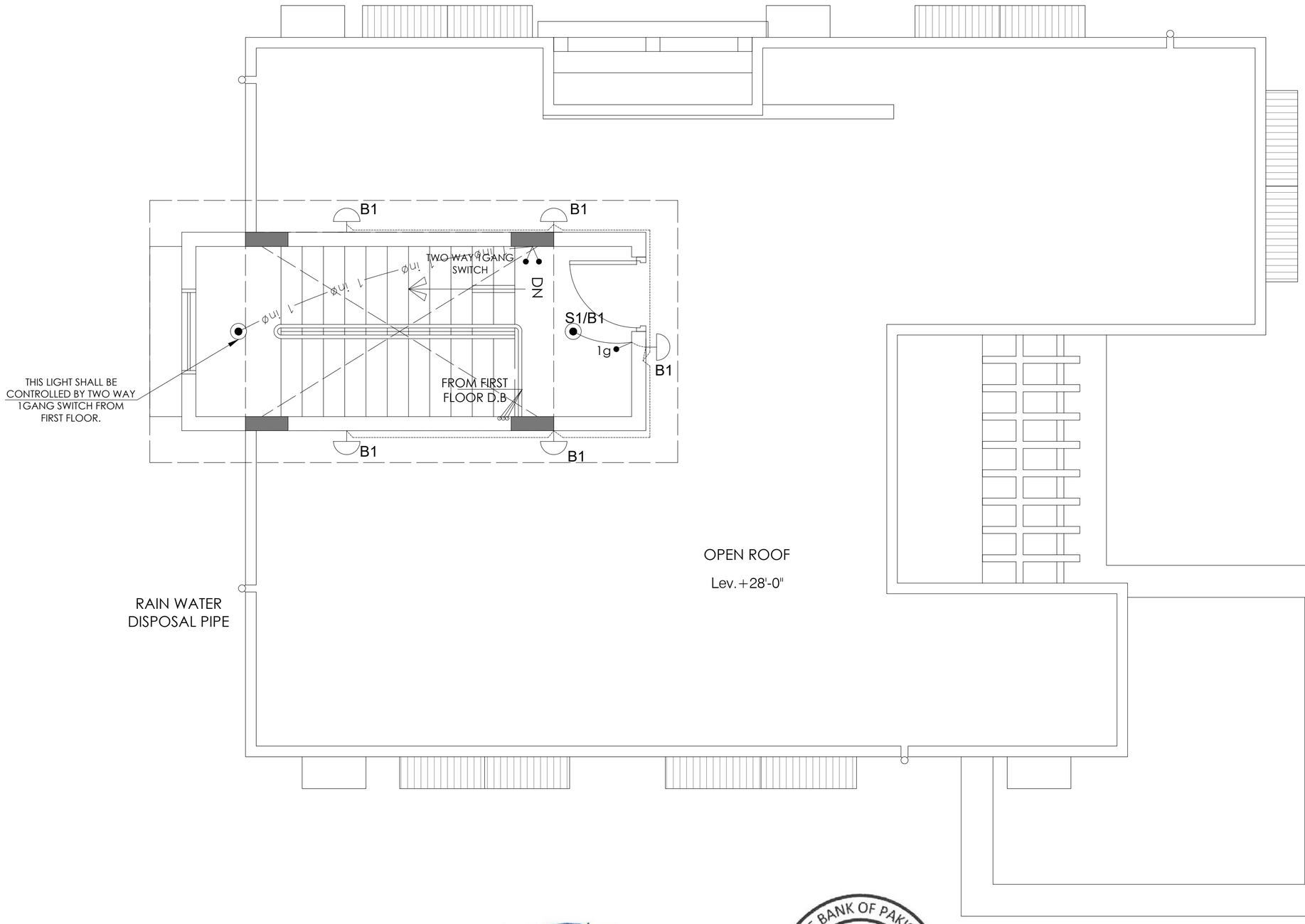
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: FIRST FLOOR LIGHTING LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 3/8"=1'-0"	DRAWN: S.K / CHKD. BY: A.A / JOB NO.	SBPG-BL-EL-07



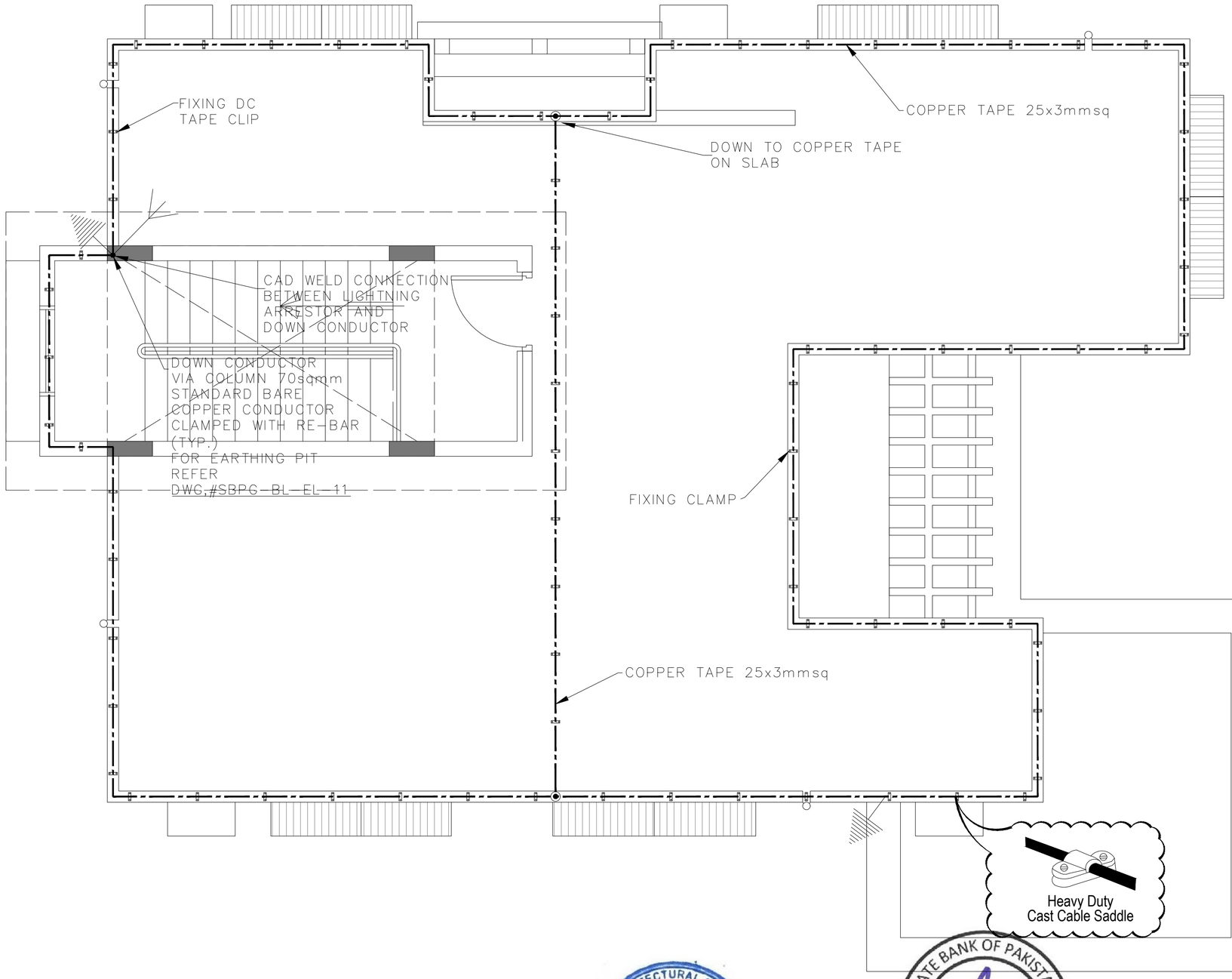
TENDER DRAWING

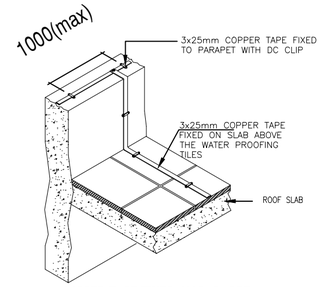
Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR PLANNING , ENGINEERING & SERVICES CONSULTANTS SUITE NO. 314, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608	TITLE: FIRST FLOOR POWER & SYSTEMS LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 3/8"=1'-0"	DRAWN: S.K / CHKD. BY: A.A / JOB NO. / SBPG-BL-EL-08



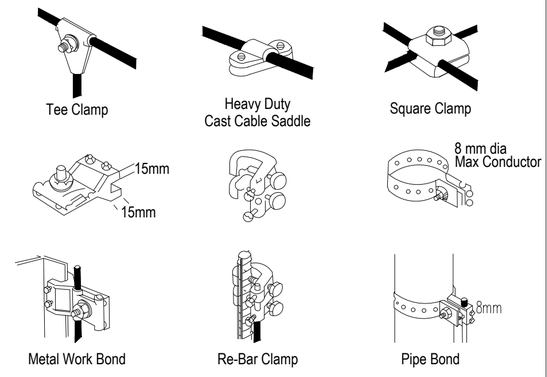
TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: ROOF LIGHTING & POWER LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION.	SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 3/8"=1'-0"	DRAWN: S.K / CHKD. BY: A.A / JOB NO.	SBPG-BL-EL-09





COPPER TAPE FIXED ON PARAPET AND WATER PROOFING AREA



LIGHTING PROTECTION STANDER ACCESSORIES

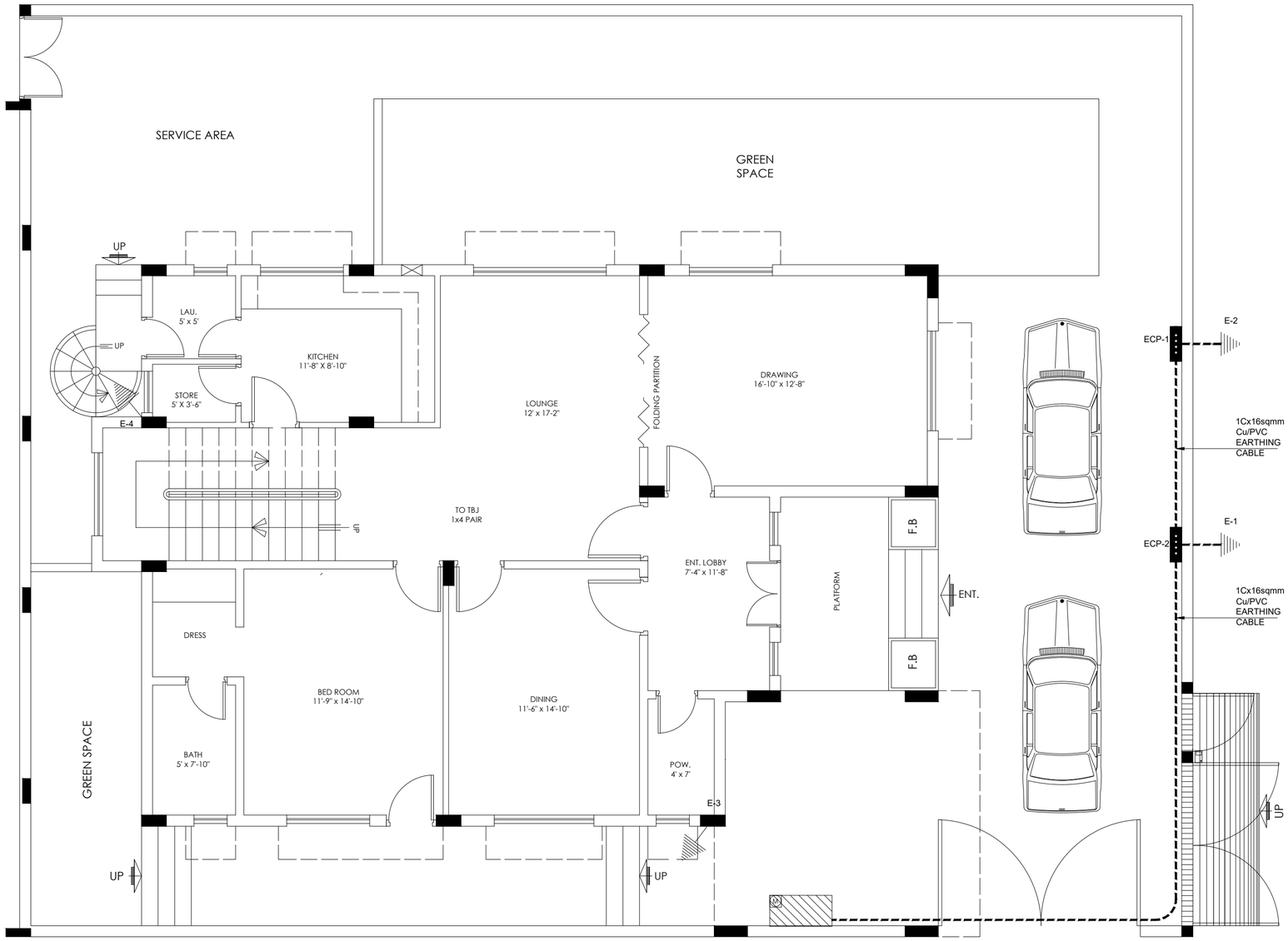
LEGENDS	
◉	CAD WELD
●	LIGHTNING CONDUCTOR
▭	LIGHTNING CLAMP
	LIGHTNING ARRESTOR 1METER LONG
	EARTHING PIT
	COPPER TAPE 25x3mmsq

TENDER DRAWING

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANT 314, Mashriq Centre Sir Shah Suleman Road Gulshan-e-Iqbal Block No. 14 Karachi

STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION ENGINEERING DEPARTMENT KARACHI

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI, P. O. BOX NO. 7608	TITLE: LIGHTNING PROTECTION LAYOUT PLAN	DATE: 07-06-2021	COM. LOCATION. / SHEET REF. ELECT.
			Ref. Rev.: AS PER REVISED ARCHITECTURE REVISION (01)	SCALE: 3/8"=1'-0"	DRAWN: S.K / CHKD. BY: A.A / JOB NO. / SBPG-BL-EL-10



TENDER DRAWING

LEGENDS	
	EARTHING PIT
	EARTH CONNECTING POINT
	COPPER TAPE 25x3mmsq

Client: STATE BANK OF PAKISTAN

Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA
BUNGALOW

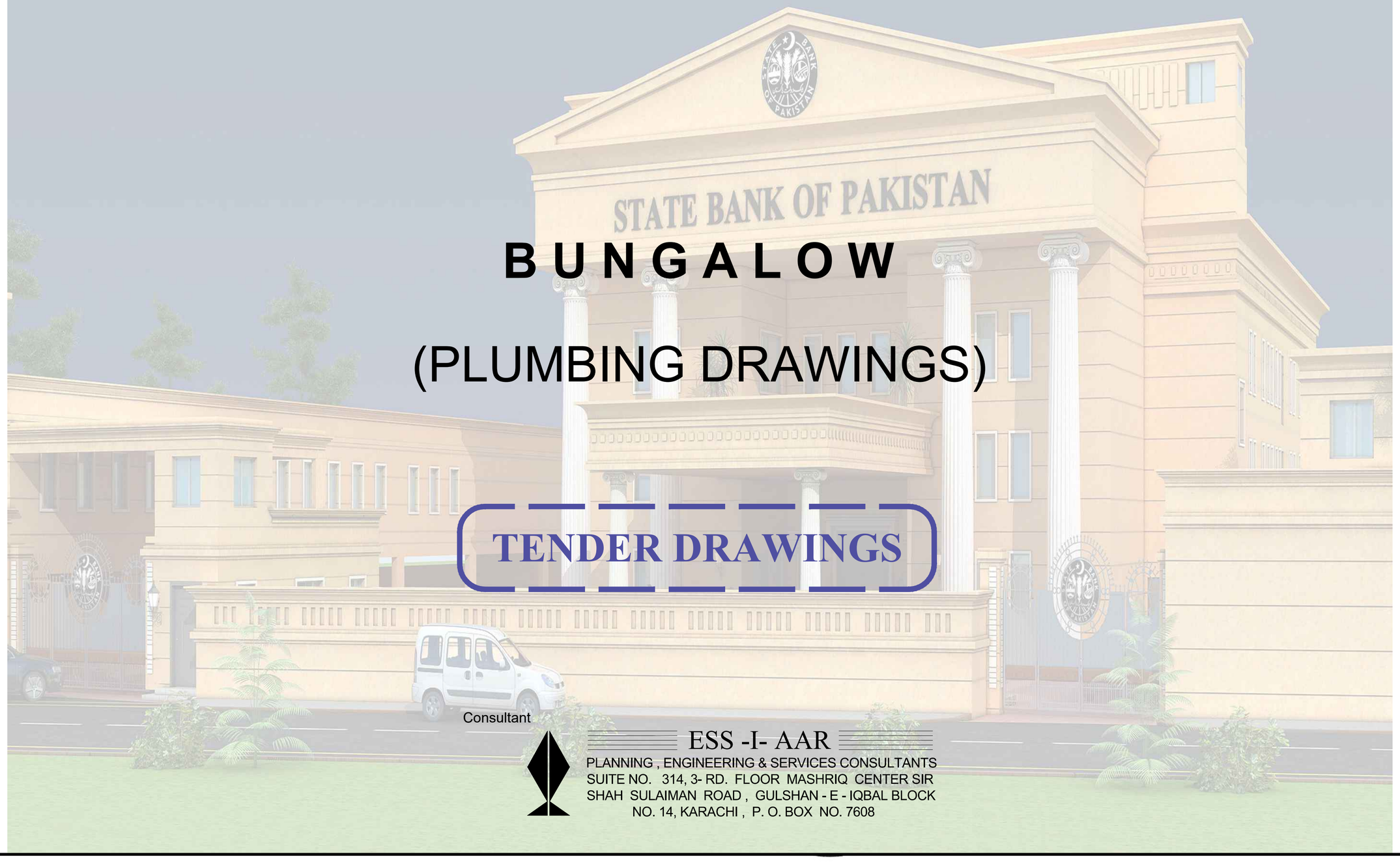
Consultant: ESS -I- AAR
PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 304, 3 RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608

TITLE	DATE	COM. LOCATION.	SHEET REF.
EARTHING LAYOUT PLAN	07-06-2021		ELECT.

Ref. Rev.	SCALE	DRAWN	CHKD. BY	JOB NO.	
AS PER REVISED ARCHITECTURE REVISION (01)	1/4"=1'-0"	S.K	A.A		SBPG-BL-EL-11

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA



BUNGALOW

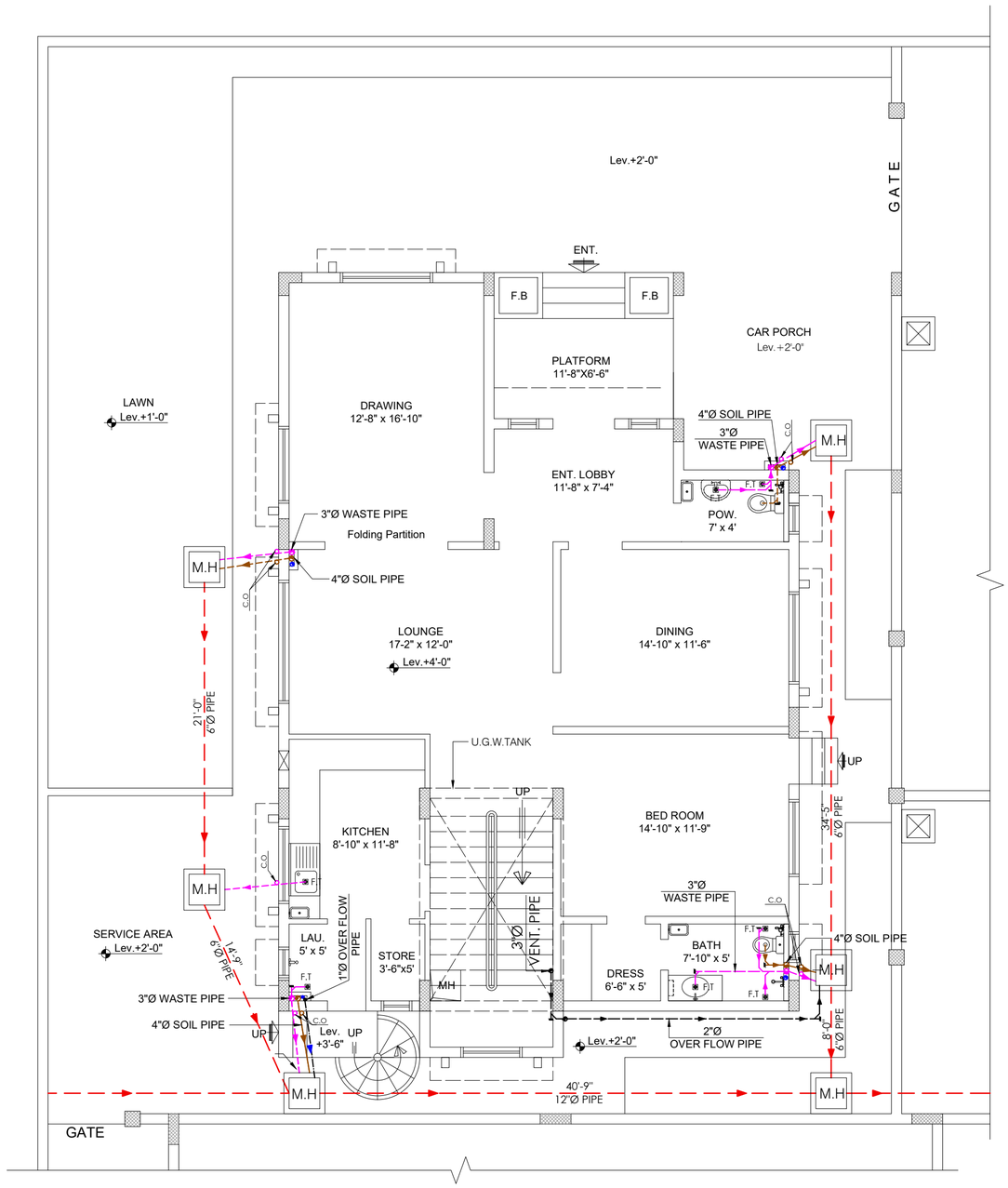
(PLUMBING DRAWINGS)

TENDER DRAWINGS

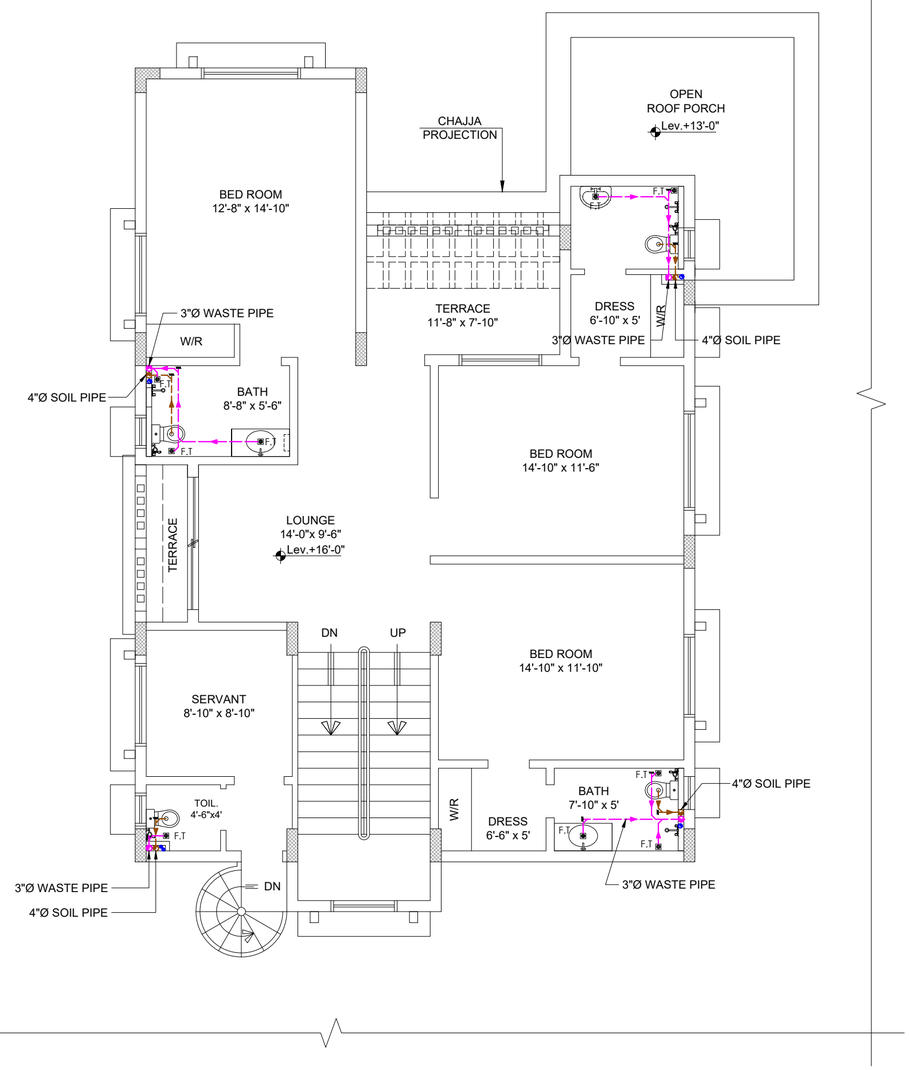
Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608



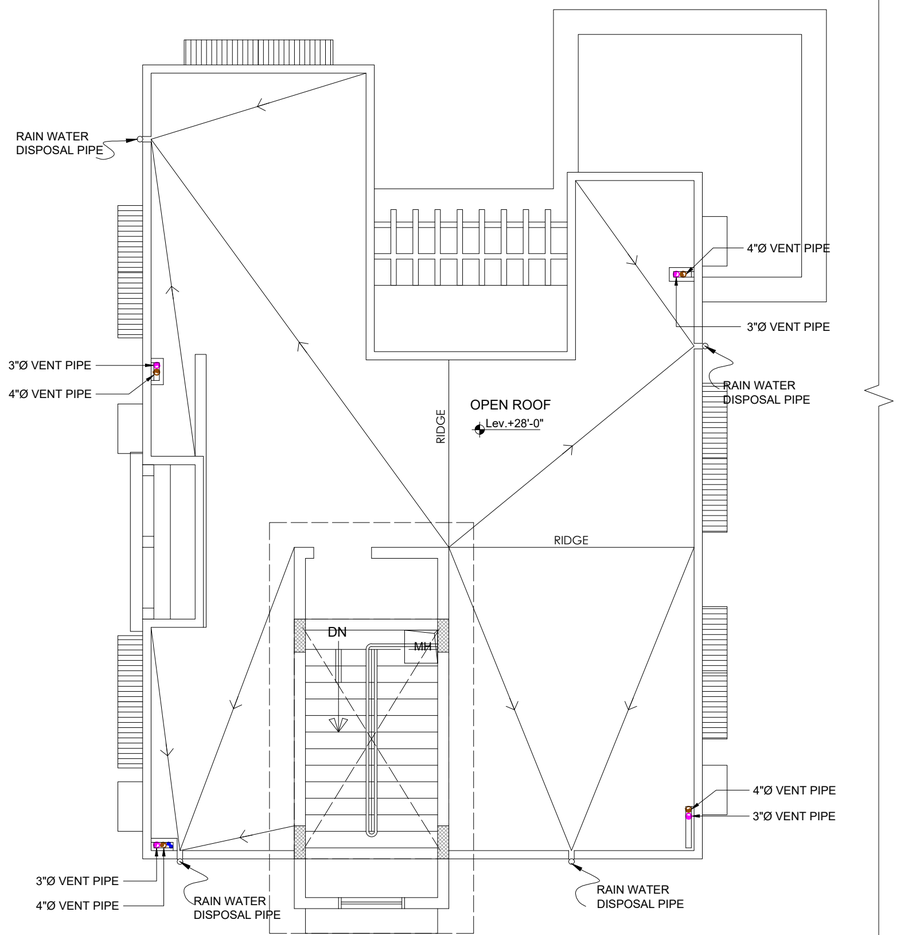
GR. FLOOR PLAN (Lev. +4'-0")
(Sewerage Layout)



1st FLOOR PLAN (Lev. +16'-0")
(Sewerage Layout)

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO . 314 , 3 - RD . FLOOR MASHRIQ CENTER, SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO . 14 , K A R A C H I , P . O . BOX NO . 7 6 0 8	TITLE: GROUND & FIRST FLOOR PLAN (SEWERAGE LAYOUT)	DATE: 24-11-2018 REVD	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE: AS SHOWN	DRAWN: IMRAN	CHKD. BY: S.GAZDAR / JOB NO.	P-S-01



ROOF PLAN (Lev. +28'-0")
(Sewerage Layout)

LEGENDS (SEWERAGE)

No.	SYMBOL	DESCRIPTION
01		3" DIA WASTE PIPE
02		4" DIA SOIL PIPE
03		2"DIA OVER FLOW / VENT. PIPE U.G.W TANK
04		1"DIA OVER FLOW / VENT PIPE O.H.W TANK
05		3"DIA WASTE PIPE(DOWN)
06		4" DIA SOIL PIPE (DOWN)
07		WASH BASIN
08		VANITY WASH BASIN
10		W.C (INDIAN)
11		W.C (ENGLISH)
12		SINK (SINGLE)
13		BIB COCK
14		MUSLIM SHOWER
15		SHOWER
17		TEE STOP COCK
18		FLOOR TRAP (F.T)
19	M.H	MAN HOLE (TYPE-1)
20		SERVICE CLEAN OUT
21		CLEAN OUT (C.O)

NOTES:

1 ..... INSTALLATION OF W.C WILL BE AVOIDED IN DIRECTION OF QIBLA

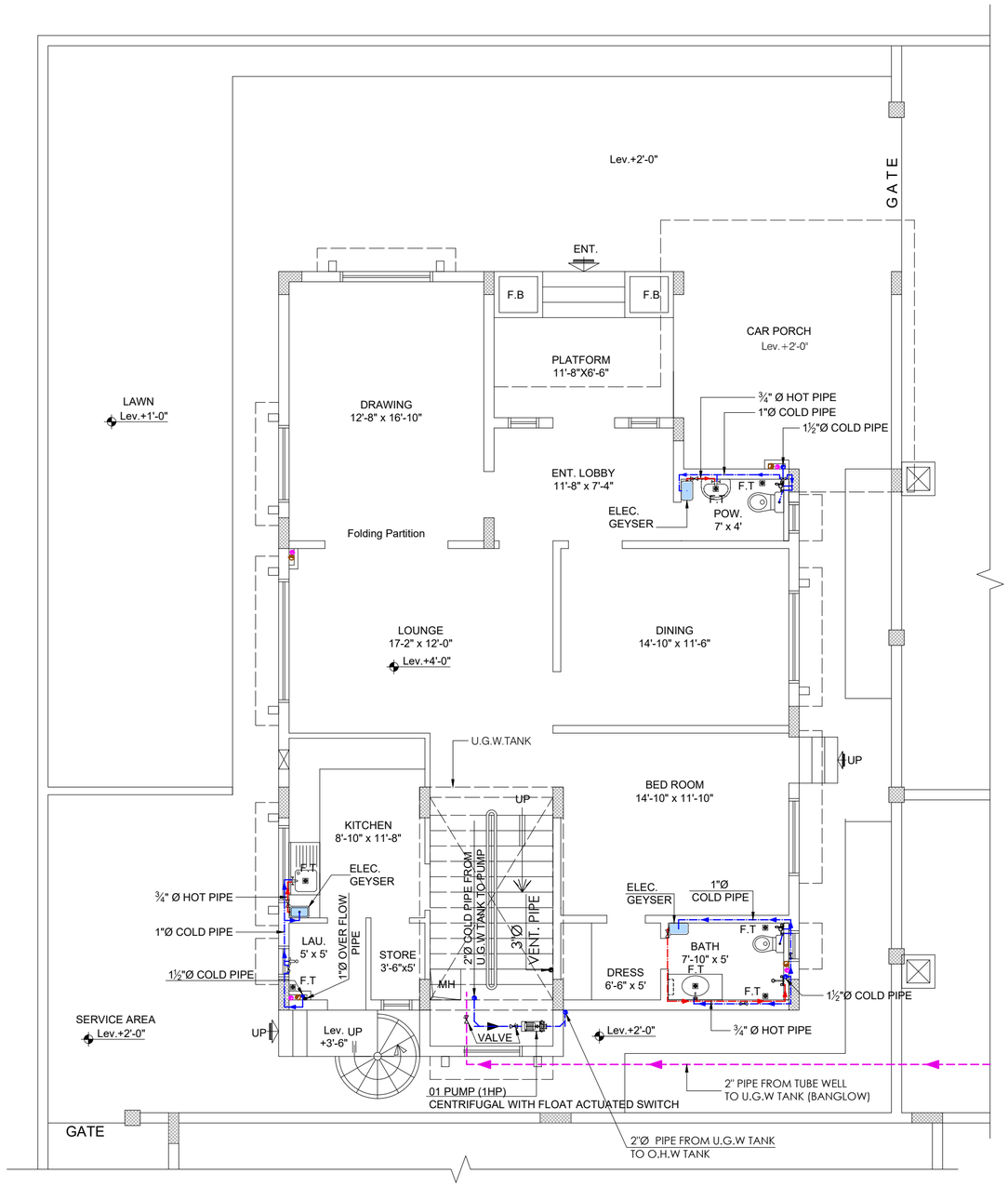
2 ..... VENT. PIPE WILL BE PROVIDE WHEREVER REQUIRED

TENDER DRAWING

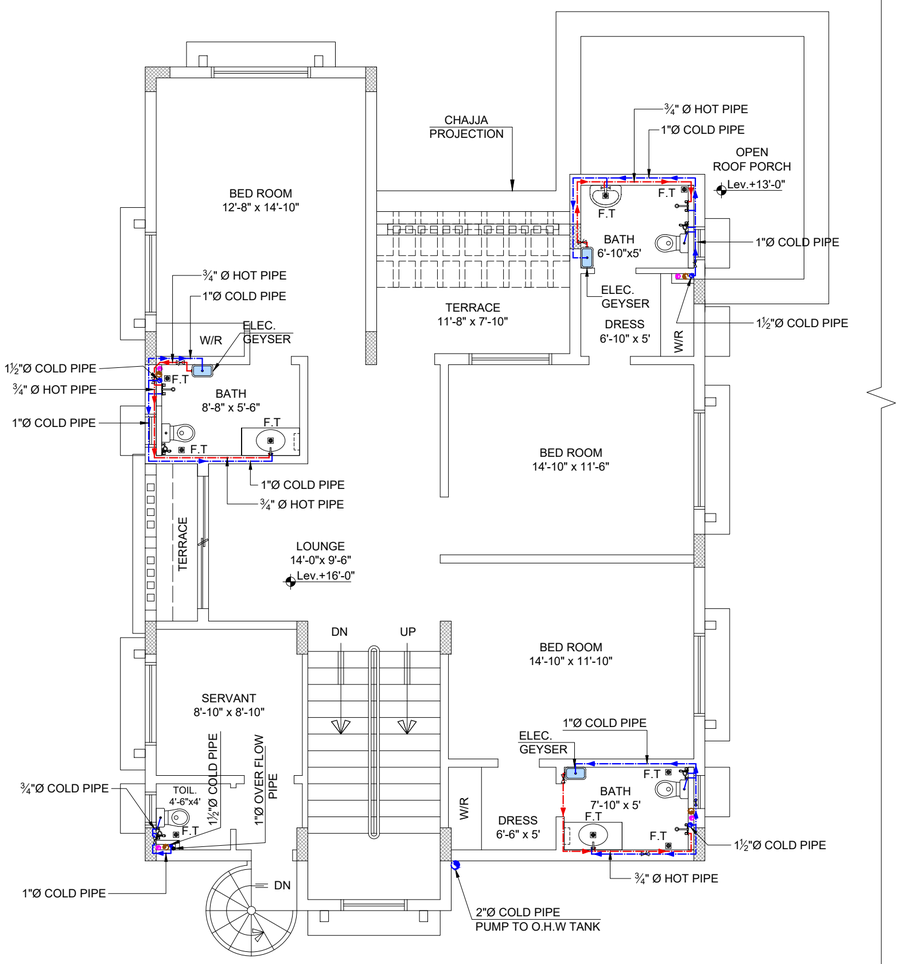
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-e-Iqbal Karachi

STATE BANK OF PAKISTAN PROJECT MANAGEMENT DIVISION

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO . 314 , 3 - RD . FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO . 14 , K A R A C H I , P . O . BOX NO . 7 6 0 8	TITLE: ROOF PLAN (SEWERAGE LAYOUT)	DATE: 24-11-2018 REVD	COM. LOCATION.	SHEET REF. PLUM.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: IMRAN	CHKD. BY: S.GAZDAR	JOB NO.	P-S-02



GR. FLOOR PLAN (Lev. +4'-0")
(Water Supply)



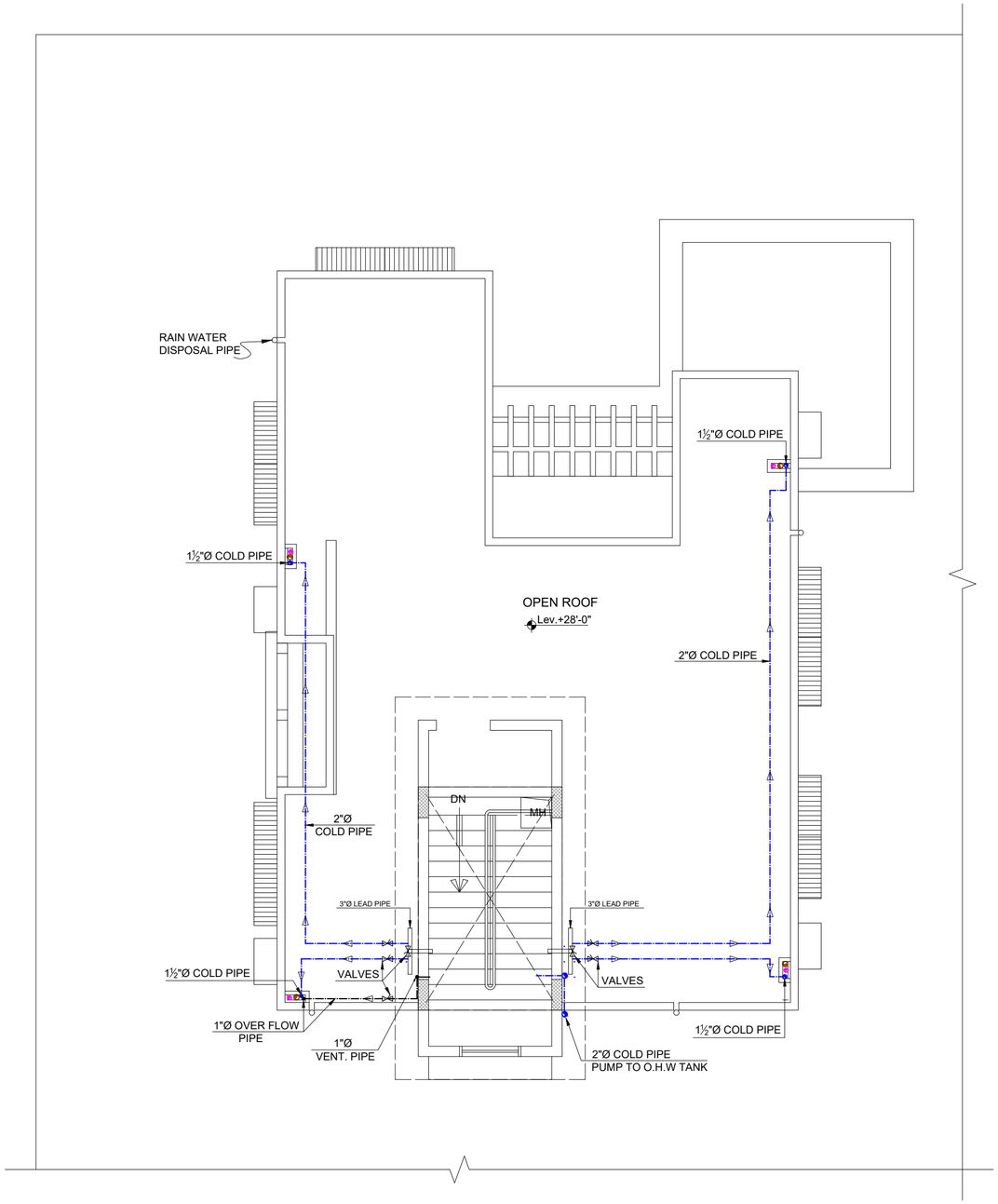
1st FLOOR PLAN (Lev. +16'-0")
(Water Supply)

ESS.I.AAR
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

PROJECT MANAGEMENT DIVISION

TENDER DRAWING

Client	Job	Consultant					
STATE BANK OF PAKISTAN	CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO . 314 , 3 - RD . FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO . 14 , K A R A C H I , P . O . BOX NO . 7608					
		TITLE: GROUND & FIRST FLOOR PLAN (WATER SUPPLY)	DATE: 24-11-2018	REV.#	COM. LOCATION.		SHEET REF. PLUM.
		Ref. Rev.	SCALE: AS SHOWN	DRAWN: IMRAN	CHKD. BY: S.GAZDAR	JOB NO.	P-W-01



ROOF PLAN (Lev. +28'-0")
(Water Supply)

LEGENDS (WATER SUPPLY)

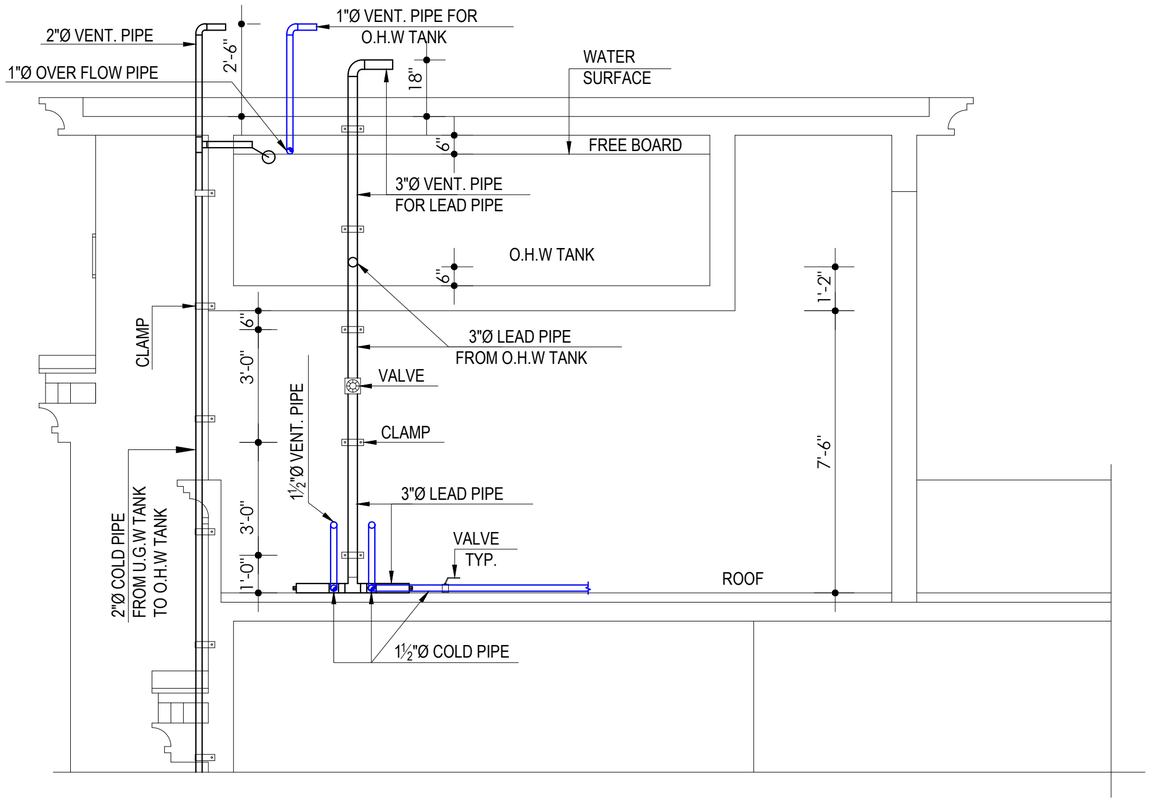
No.	SYMBOL	DESCRIPTION
01		COLD PIPE
02		HOT PIPE
03		MAIN SUPPLY PIPE
04		OVER FLOW / VENT.PIPE O.H.W TANK
05		OVER FLOW / VENT. PIPE U.G.W TANK
06		LEAD PIPE
07		2" DIA COLD PIPE (DOWN)
08		1½" DIA HOT PIPE (DOWN)
10		WASH BASIN
11		VANITY WASH BASIN
12		W.C (INDIAN)
13		W.C (ENGLISH)
14		SINK (SINGLE)
15		BIB COCK
16		MUSLIM SHOWER
17		SHOWER
18		TEE STOP COCK
19		WATER PUMP (MOTOR) FLOAT ACTUATED SWITCH
		VALVE
		GEYSER (ELECTRIC)

TENDER DRAWING

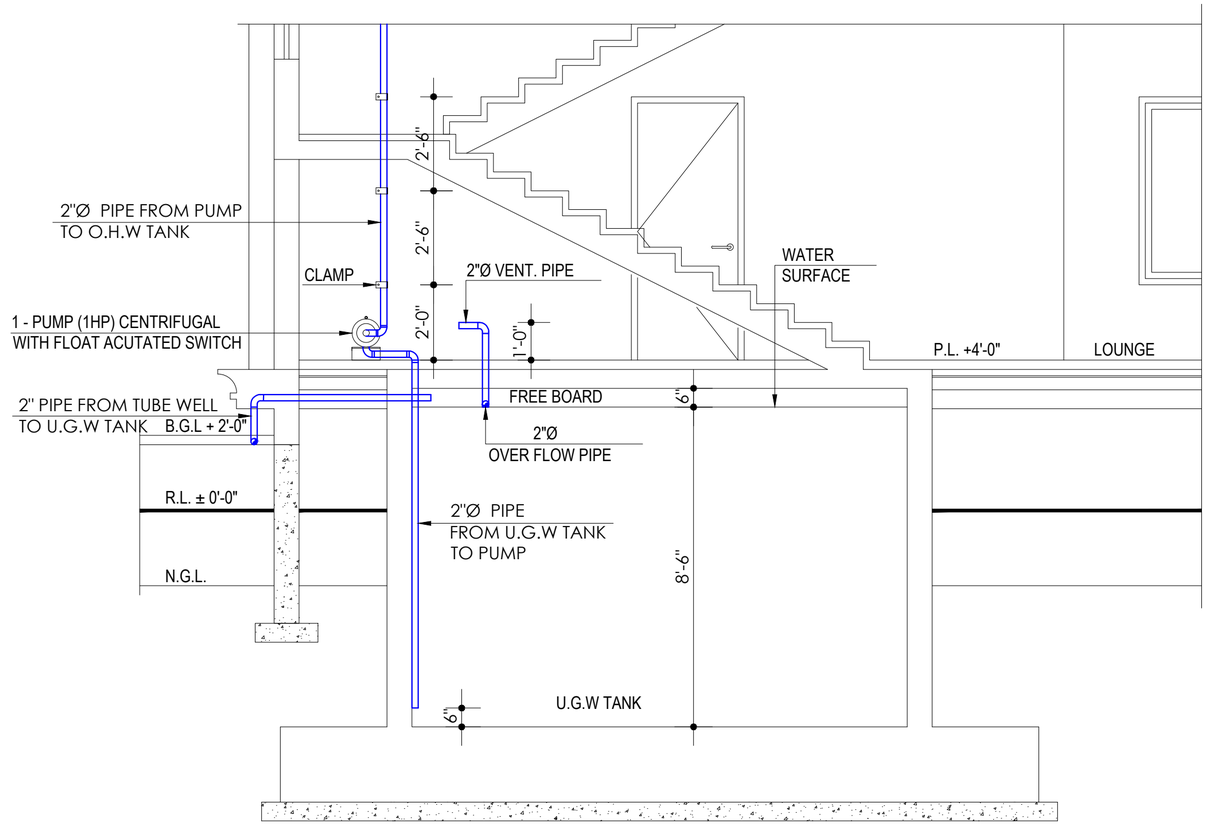
ESS.I.AAR 314, Mashriq Centre S.S Sulaiman Road, Gulshan-E-Iqbal Karachi

STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ★

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO. 314, 3 - RD. FLOOR MASHRIQ CENTER, SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL, BLOCK NO.14, KARACHI, P.O.BOX NO.7608	TITLE: ROOF PLAN (WATER SUPPLY)	DATE: 24-11-2018, REV.0	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE: AS SHOWN	DRAWN: IMRAN	CHKD. BY: S.GAZDAR / JOB NO. / P-W-02



SECTION OF O.H.W TANK (WATER RISING)



SECTION OF U.G.W TANK (WATER RISING)

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P. NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR, PLANNING, ENGINEERING & SERVICES CONSULTANTS, SUITE NO. 314, 3 - RD. FLOOR MASHRIQ CENTER, SIR SHAH SULAIMAN ROAD, GULSHAN - E - IQBAL, BLOCK NO.14, KARACHI, P.O.BOX NO.7608	TITLE: SECTIONS OF U.G.W TANK AND O.H.W TANK SHOWING WATER RISING	DATE: 24-11-2018 / REV.	COM. LOCATION. / SHEET REF. PLUM.
			Ref. Rev. / SCALE: AS SHOWN / DRAWN: IMRAN / CHKD. BY: S.GAZDAR / JOB NO.		P-W-03

STATE BANK OF PAKISTAN

NEW OFFICE BUILDING AT GUJRANWALA

BUNGALOW

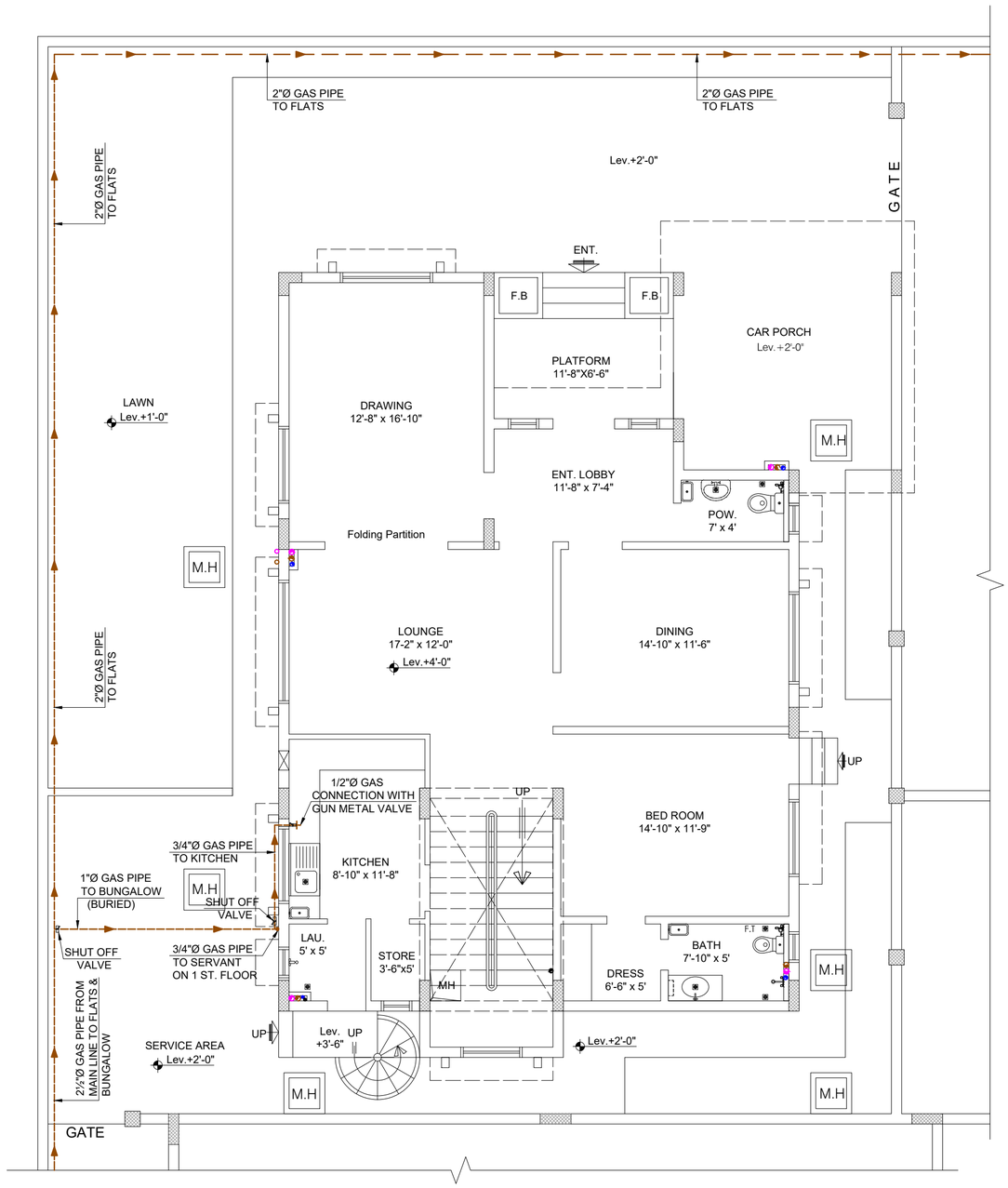
(GAS LAYOUT DRAWINGS)

TENDER DRAWINGS

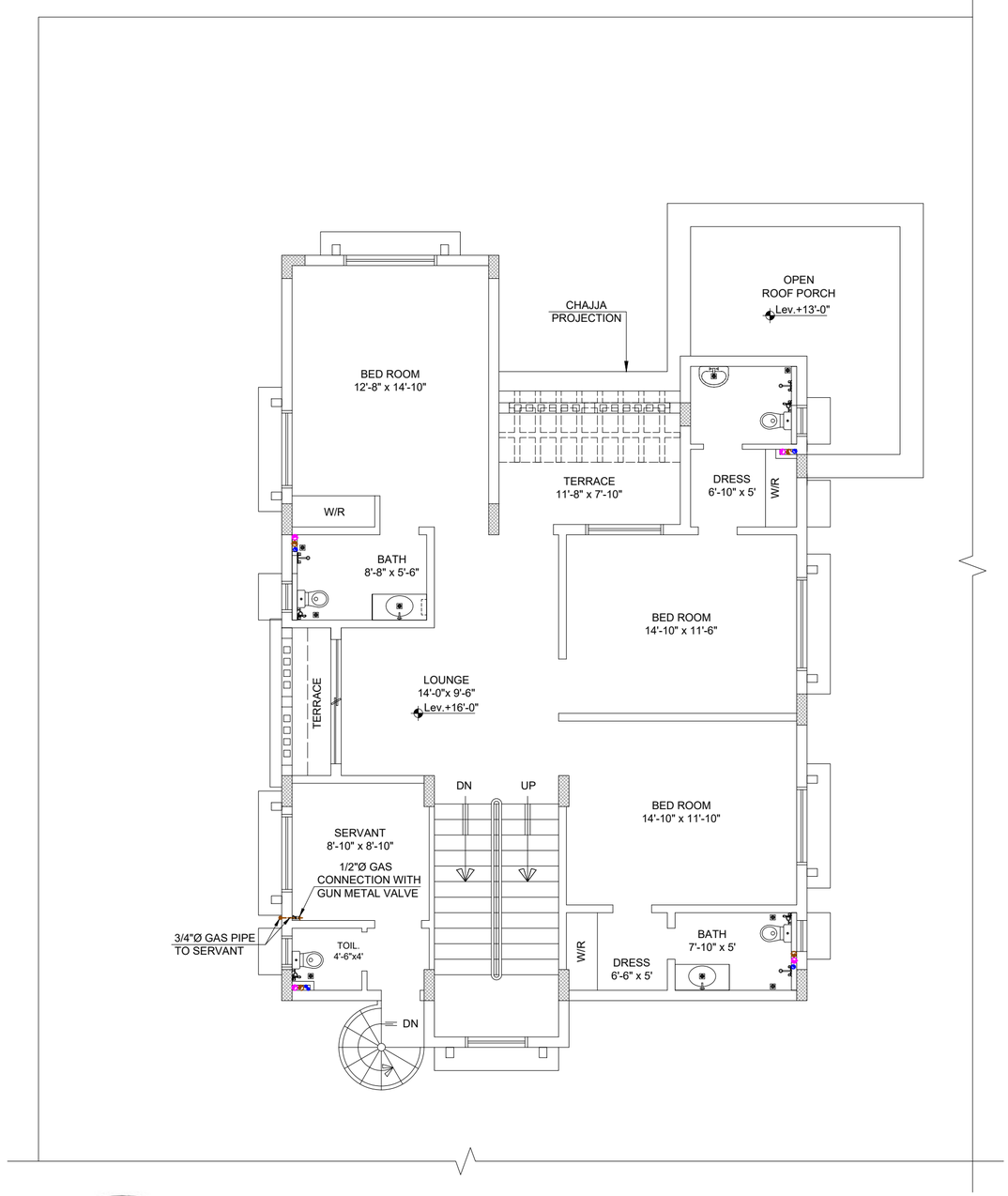
Consultant

ESS -I- AAR

PLANNING , ENGINEERING & SERVICES CONSULTANTS
SUITE NO. 314, 3- RD. FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO. 14, KARACHI , P. O. BOX NO. 7608



GROUND FLOOR PLAN (Lev. +4'-0")
(Gas Layout)



1st FLOOR PLAN (Lev. +16'-0")
(Gas Layout)

ESS.I.AAR ENGG. ARCHITECTURAL & SERVICES CONSULTANTS
314, Mashriq Centre
S.S Sulaiman Road,
Gulshan-e-Iqbal
Karachi

STATE BANK OF PAKISTAN ★ PROJECT MANAGEMENT DIVISION ★ ENGINEERING DEPARTMENT ★ KARACHI

TENDER DRAWING

Client: STATE BANK OF PAKISTAN	Job: CONSTRUCTION OF S.B.P NEW OFFICE BUILDING AT GUJRANWALA BUNGALOW	Consultant: ESS -I- AAR PLANNING, ENGINEERING & SERVICES CONSULTANTS SUITE NO . 314 , 3 - RD . FLOOR MASHRIQ CENTER SIR SHAH SULAIMAN ROAD , GULSHAN - E - IQBAL BLOCK NO . 14 , K A R A C H I , P . O . BOX NO . 7 6 0 8	TITLE: GR. & FIRST FLOOR PLAN (GAS LAYOUT)	DATE: 21/05/2018	COM. LOCATION.	SHEET REF. PLUM.
			Ref. Rev.	SCALE: AS SHOWN	DRAWN: IMRAN	CHKD. BY: S.GAZDAR / JOB NO.	GS-01