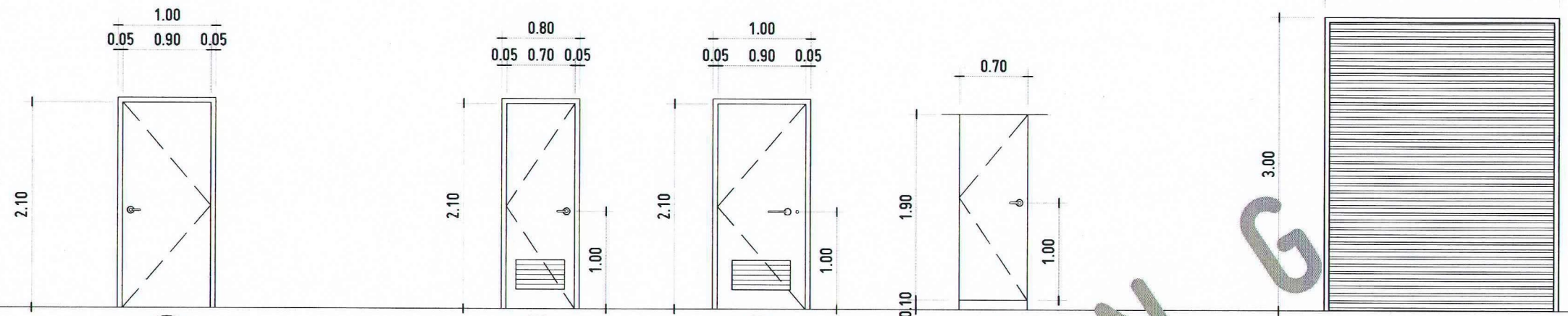
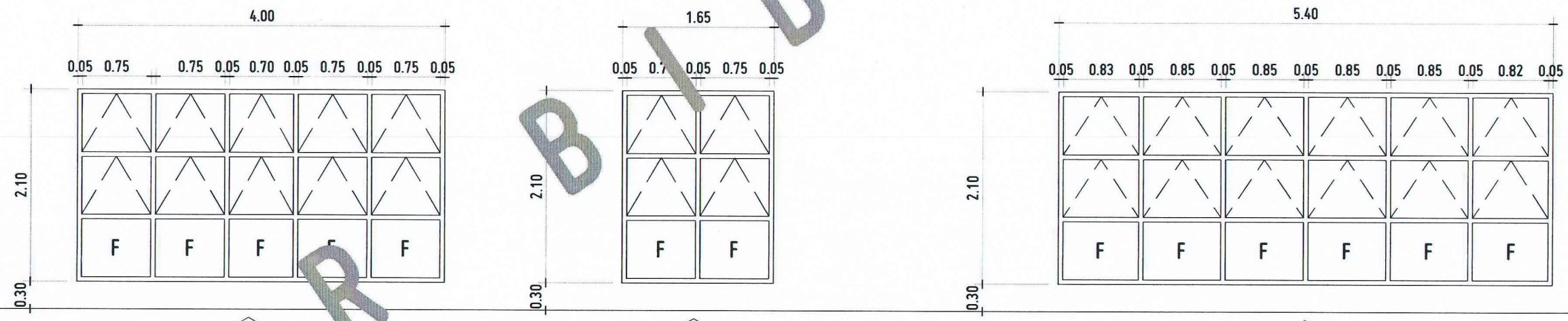


DESIGNATION	D1	D2	D2a	D3	D4
TYPE	SOLID CORE WOODEN DOOR	PVC DOOR W/ LOUVRES	...		ROLL UP DOOR
DESCRIPTION	solid core wooden door, painted dark brown stain in satin finish. Use close grained hard wood	PVC swing door in white with frames	PVC swing door in white with frames		-
	butt hinges: 2-sets on upper $\frac{1}{3}$ portion of door stile, 1-set on bottom	as before	as before		-
	use cylindrical, lever type handles (verify handedness), hairline finish	-			-
LOCATION	OFFICE, LABORATORY, KITCHEN, STORAGE, CONTROL RM.	LADIES W.RM., GENTS W.RM., PWD	LADIES W.RM., GENTS W.RM.		CANTEEN
SET	... SETS	5 SETS	4 SETS		2 SETS



DESIGNATION	W1a	W1b	W1c
TYPE	SEAMLESS AWNING WINDOW AND FIXED GLASS WINDOW WITH ANODIZED FRAMES	SEAMLESS AWNING WINDOW AND FIXED GLASS WINDOW WITH ANODIZED FRAMES	SEAMLESS AWNING WINDOW AND FIXED GLASS WINDOW WITH ANODIZED FRAMES
DESCRIPTION	glazing: $\frac{1}{4}$" tinted glass; frames: 2"x4" rec tubular (clear (white) finish	as before	as before
	hinge: heavy-duty awning hinge operable up to 60 degrees	-	-
	heavy-duty locking mechanism, lever type handle	-	-
LOCATION	LABORATORY, OFFICES	OFFICE-05, HALLWAY	OFFICE-02
SET	7 SETS	2 SETS	1 SET

BIDDING FOR

A 1 401

SCHEDULE OF DOORS AND WINDOWS

SCALE 1:50 M.

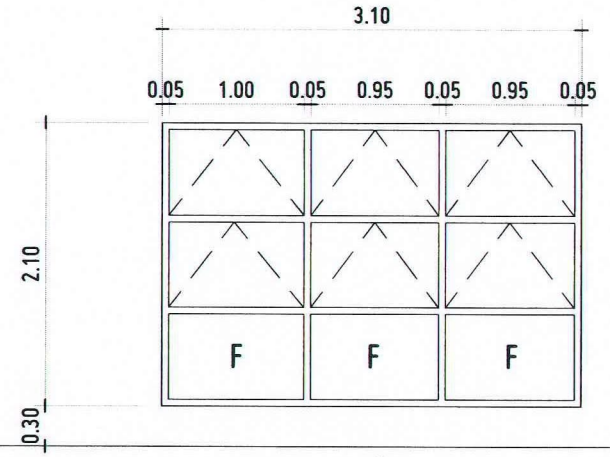
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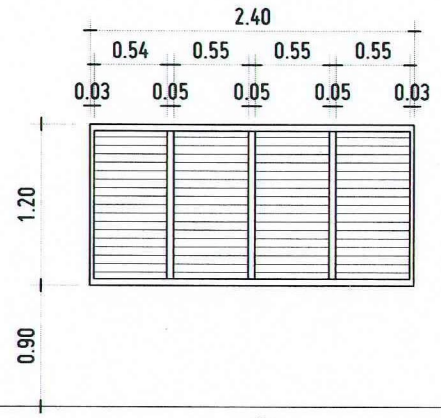
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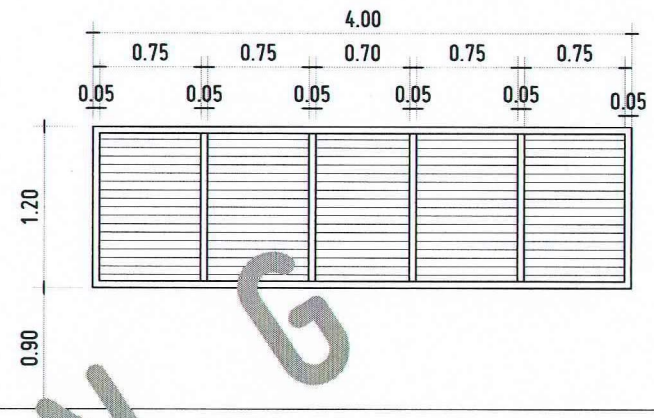
PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DRAWN BY:
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DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	VP FOR ADMINISTRATION & LEGAL AFFAIRS	PRESIDENT, USTP SYSTEM		DATE DRAWN: -
				FNT:

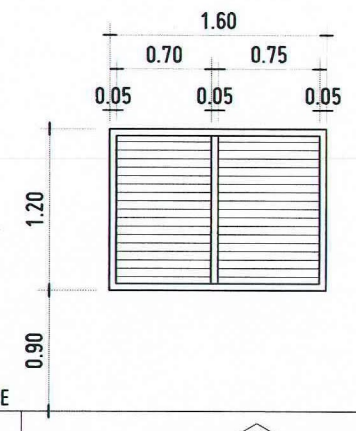
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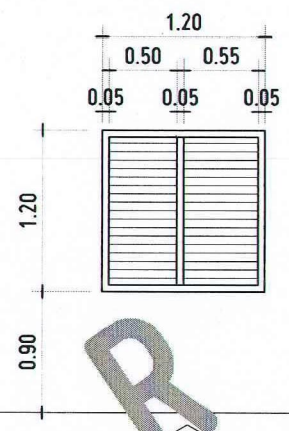


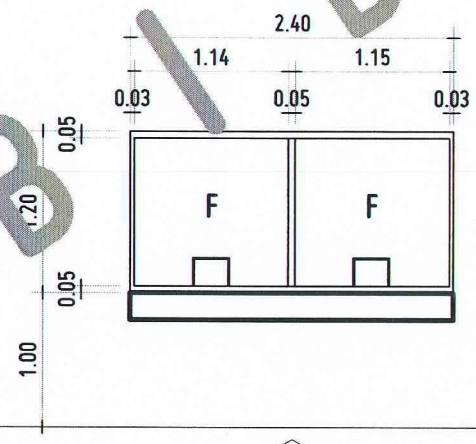


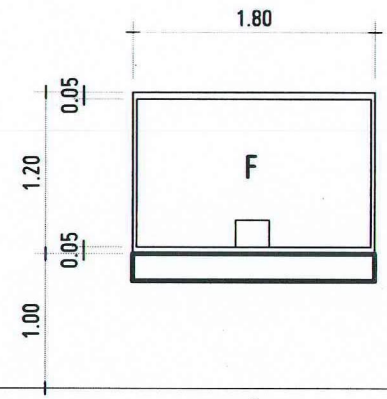


DESIGNATION	W1d	W2a	W2b
TYPE	SEAMLESS AWNING WINDOW AND FIXED GLASS WINDOW WITH ANODIZED FRAMES	JALOUPLUS WINDOW WITH ANODIZED FRAMES	JALOUPLUS WINDOW WITH ANODIZED FRAMES
DESCRIPTION	glazing: $\frac{1}{4}$" tinted glass; frames: 2"x4" rec tube, clear (white) finish	glazing: 6mm thk. glass, machine polished; ultra-clear; jalouplus frame: black	as before
	hinge: heavy-duty awning hinge operable up to 60 degrees	main frame: 2 x 4 aluminum, clear (white) finish	-
	heavy-duty locking mechanism, lever type handle	window assembly shall be stormproof	-
LOCATION	OFFICE-02	LABORATORY, OFFICES	LABORATORY, OFFICE-03
SET	1 SET	6 SETS	2 SETS









DESIGNATION	W2c	W2d	W3a	W3b
TYPE	JALOUPLUS WINDOW WITH ANODIZED FRAMES		10MM THICK FIXED TEMPERED CLEAR GLASS WINDOW	10MM THICK FIXED TEMPERED CLEAR GLASS WINDOW
DESCRIPTION	glazing: 6mm thk. glass, machine polished; ultra-clear; jalouplus frame: black		-	-
	main frame: 2 x 4 aluminum, clear (white) finish		-	-
	window assembly shall be stormproof		-	-
LOCATION	OFFICE-06	KITCHEN	CASHIER OFFICE-01	CASHIER OFFICE-01
SET	1 SET	1 SET	1 SET	1 SET

A 1 402

SCHEDULE OF DOORS AND WINDOWS

SCALE 1:50 M.

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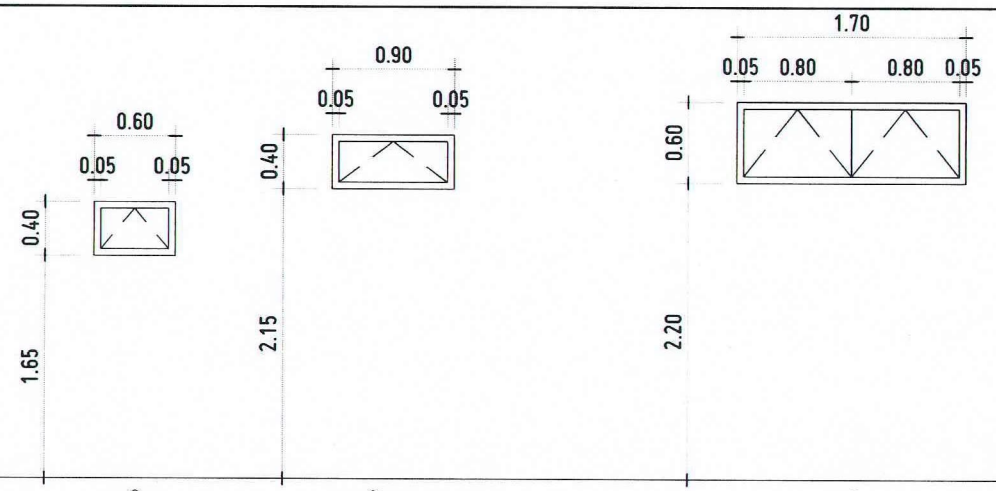
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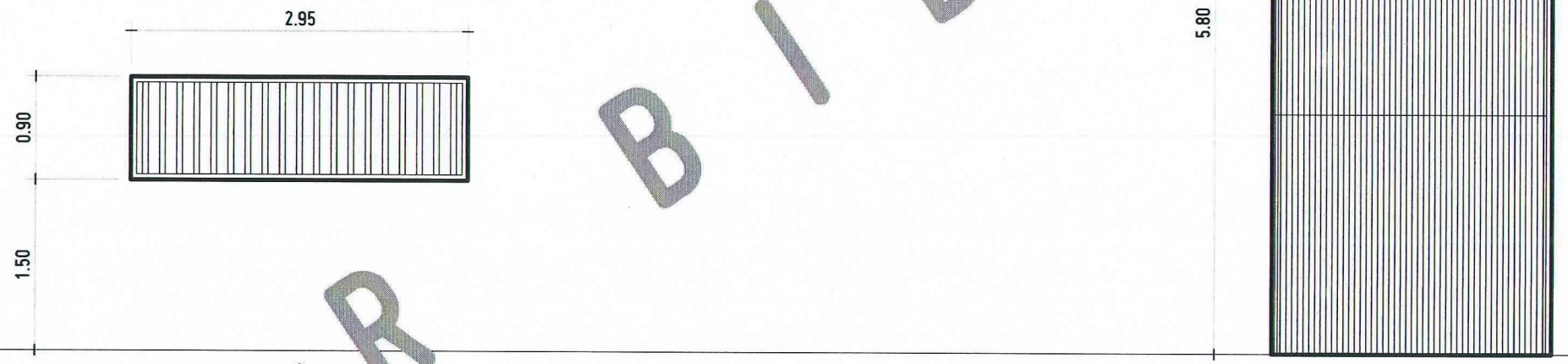
PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

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				FNT:

A-402



DESIGNATION	W4	W4a	W5
TYPE	SEAMLESS AWNING WINDOW WITH ANODIZED FRAMES		SEAMLESS AWNING WINDOW WITH ANODIZED FRAMES
DESCRIPTION	as before		as before
	-		-
	-		-
LOCATION	LADIES W.RM., GENTS W.RM., PWD		STORAGE
	3 SETS		1 SETS



DESIGNATION	W6	W7
TYPE	50MM x 50MM G.I. SQUARE TUBE, PAINTED FINISH	2"x4" SOLID WOOD MAHOGANY BRISE SOLIEL
DESCRIPTION	-	-
	-	-
	-	-
LOCATION	GENTS-W.RM.	STAIR-1
SET	1 SET	1 SET

FOR BIDDING

SCHEDULE OF DOORS AND WINDOWS

A 1 403 SCALE 1:50 M.

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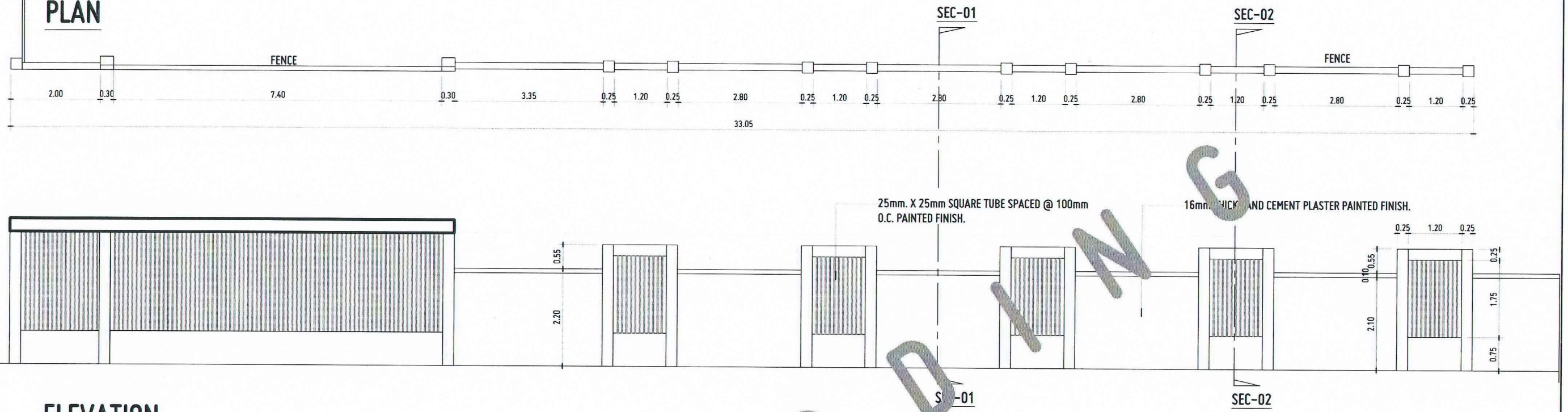
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DATE: 02-16-2026
TIN: 739-360-212-000 PLACE: CDOC

PROJECT: PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION: USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER: UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

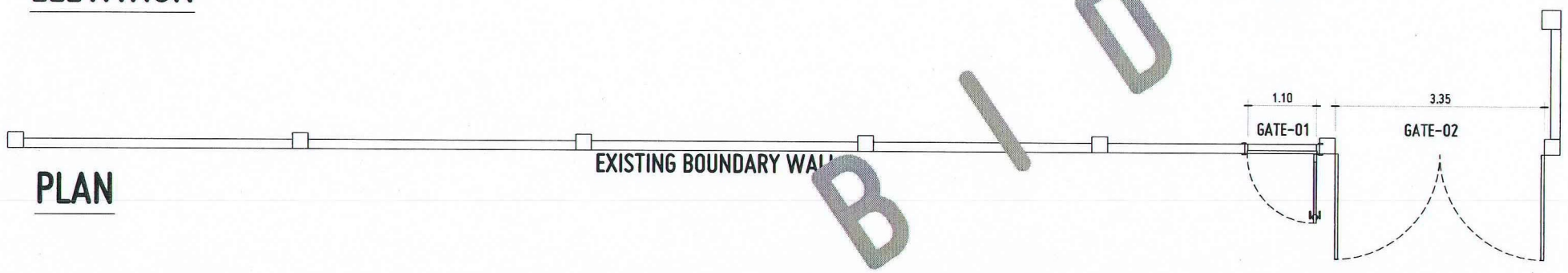
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				FNT:

A-403

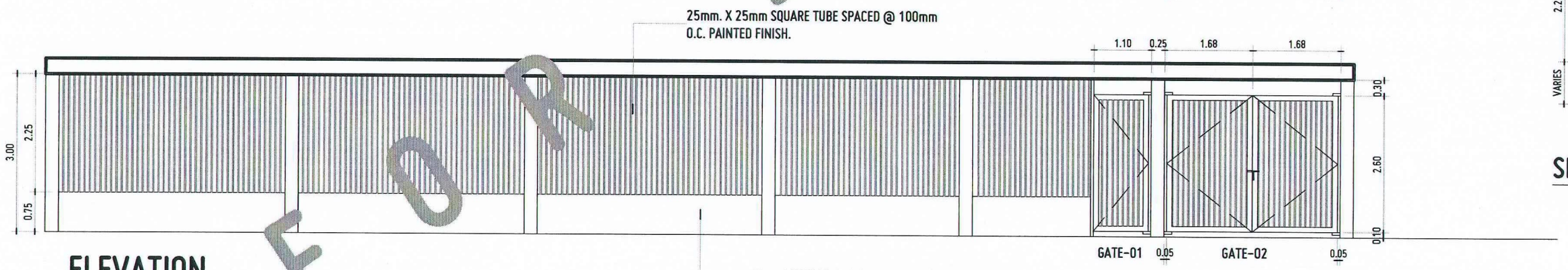
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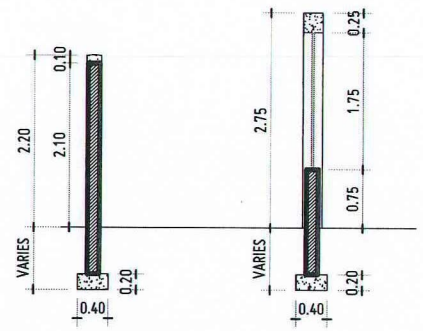
ELEVATION



PLAN



ELEVATION



SEC-01

SEC-02

SECTION

FOR BIDDING

A
1 501

BOUNDARY WALL DETAIL

SCALE 1:75 M.

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PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

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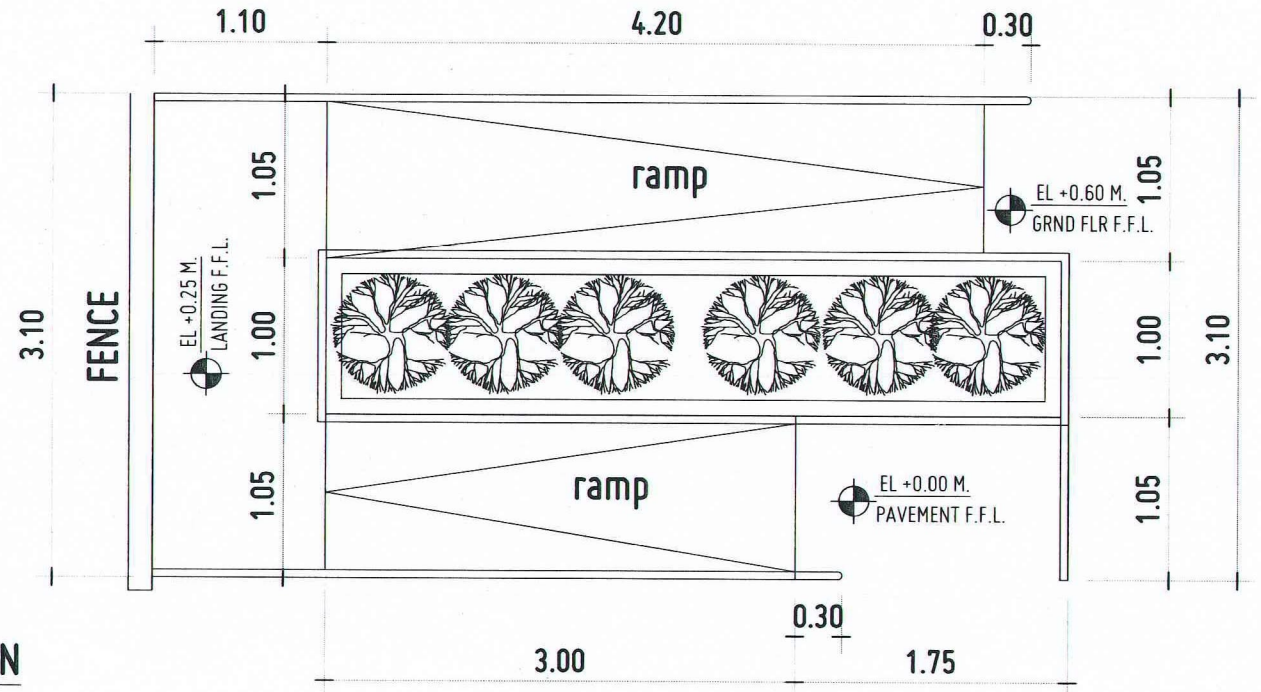
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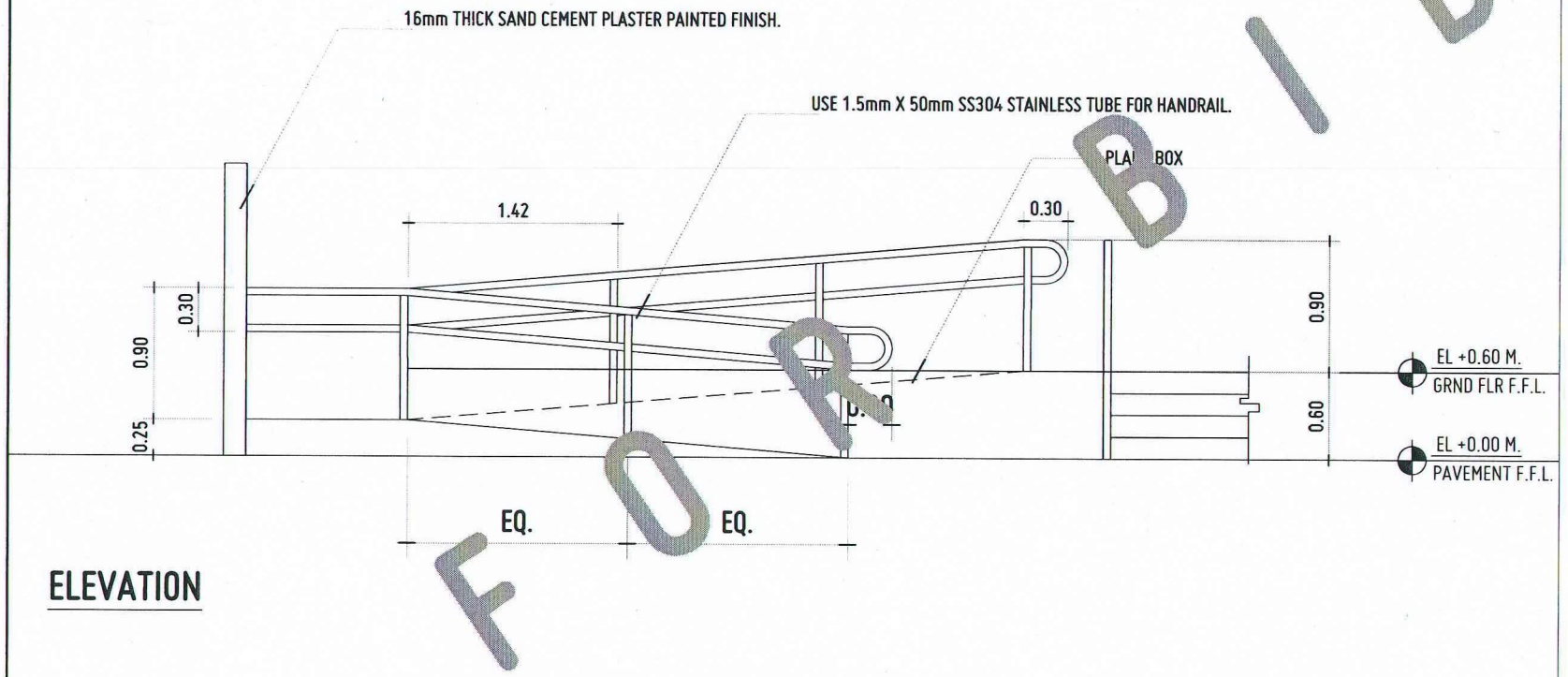
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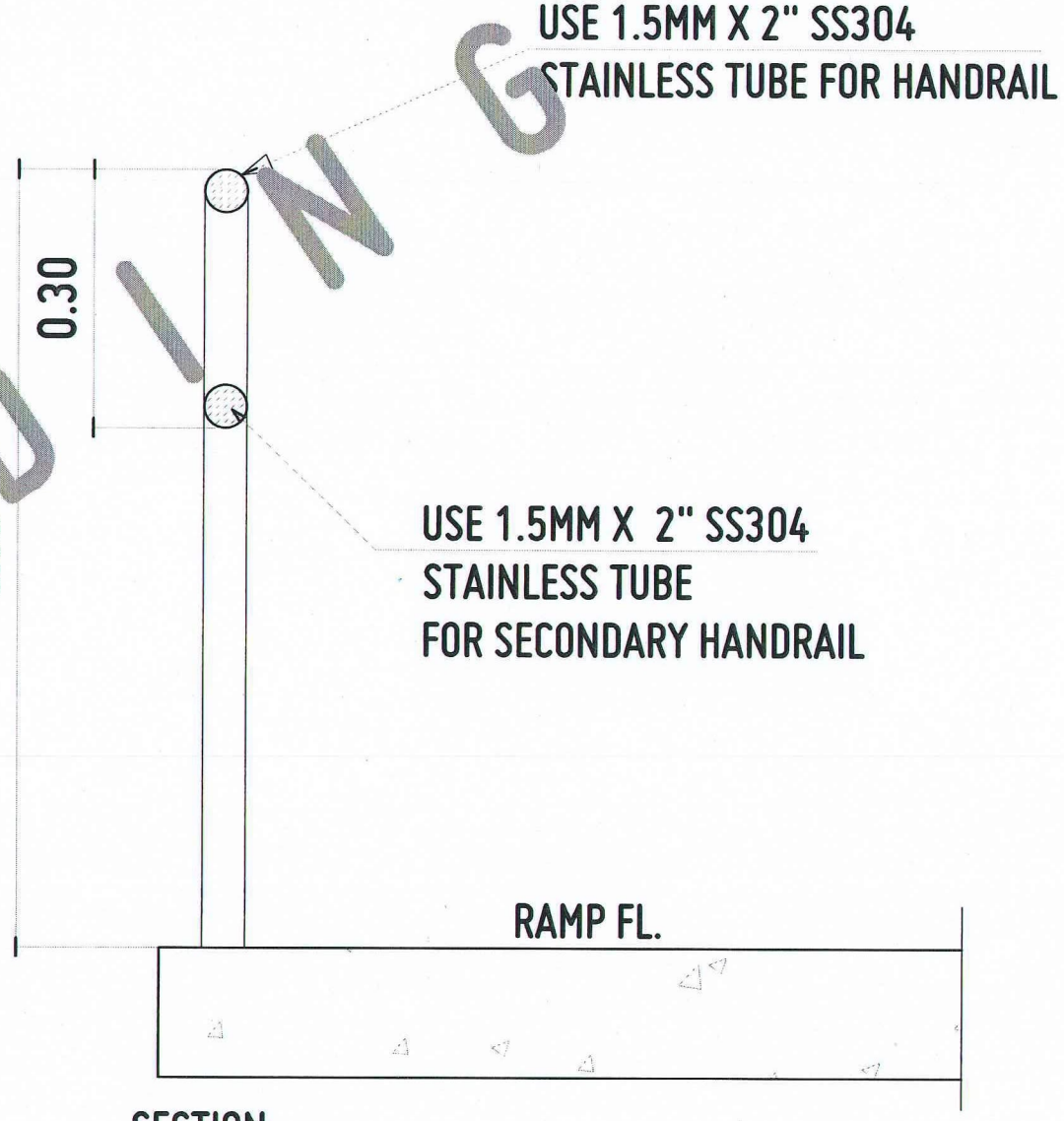
A-501



PLAN



ELEVATION



SECTION

FOR BIDDING

A
1 502

RAMP DETAIL

SCALE 1:30 M.

USTP

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PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

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VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:
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PRESIDENT, USTP SYSTEM

SHEET CONTENTS:

DRAWN BY: -
DATE DRAWN: -
FNT:

A-502

GENERAL NOTES

1. GENERAL

1.1 THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, OPENINGS AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORKS.

1.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK.

1.3 THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

1.4 THE DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OR CONSTRUCTION SHALL BE USED, SUBJECT TO THE APPROVAL BY THE ROYAL COMMISSION.

1.5 LOADING(S) APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS, THE LIVE LOADING USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.

1.6 ALL ASTM AND OTHER REFERENCES ARE PER THE LATEST EDITIONS OF THESE STANDARDS, UNLESS OTHERWISE NOTED.

2. DESIGN CRITERIA

2.1 STANDARDS

2.1.1 THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODE OF STANDARD PRACTICE:

A. NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP, vol 1, 2015 7th ed)
B. ASSOCIATION OF STRUCTURAL ENGINEERS OF THE PHILIPPINES
C. AMERICAN INSTITUTE OF STEEL CONSTRUCTION
D. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE STANDARD 7-02, 2nd ed)

2.2 MATERIALS

2.2.1 THE FOLLOWING STRUCTURAL MATERIALS AND THEIR CORRESPONDING STRENGTH ARE ADOPTED IN THE DESIGN:

A.	CONCRETE CYLINDER STRENGTH AT 28 DAYS	f'c = 27.6 MPa
B.	CONCRETE BLINDING	f'c = 20 MPa
C.	REINFORCING BARS	Fy = 414 MPa
D.	CONCRETE MASONRY UNITS	f'm = 14 MPa
E.	STRUCTURAL STEEL PLATES AND SHAPES - ASTM A38	FY = 248 MPa
F.	ANCHOR BOLTS - ASTM A307	FY = 228 MPa

2.3 DESIGN LOADS

2.3.1 DEAD LOADS. DESIGN GRAVITY DEAD LOADS USED IN THE DESIGN ARE AS FOLLOWS:

A.	CONCRETE	24 KN/M³
B.	50 MM FLOOR TOPPING + FINISH	1.7 KN/M²
C.	100 MM CONCRETE MASONRY UNITS	2.70 KN/M²
D.	150 MM CONCRETE MASONRY UNITS	3.30 KN/M²
E.	ROOF TOPPING + WATERPROOFING + INSULATION	2.50 KN/M²

2.3.2 LIVE LOADS. DESIGN GRAVITY LIVE LOADS USED IN THE DESIGN ARE AS FOLLOWS:

A.	FLOOR LIVE LOAD	2.0 KN/M²
B.	ROOF LIVE LOAD	CONCRETE ROOF 1.0 KN/M² STEEL ROOF .60 KN/M²
C.	CORRIDORS, STAIRS & BALCONIES	3.8 KN/M².

2.3.3 WIND LOAD

2.3.3.1 WIND LOAD ON STRUCTURE SHALL BE COMPUTED AND APPLIED IN CONFORMANCE TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.

2.3.3.2 DESIGN WIND PRESSURES

A. BASIC WIND VELOCITY FOR JASAAN, MISAMIS OR. ARE AS FOLLOWS: 290 KPH

B. SIMPLIFIED DESIGN WIND SHALL BE DESIGNED AS GIVEN IN NSCP FIGURE REFS. 8 & 13.

2.3.3.3 ADJUSTMENT FACTOR FOR BUILDING HEIGHT AND EXPOSURE (A)

A. ADJUSTMENT FACTOR FOR BUILDING HEIGHT AND EXPOSURE (A) SHALL BE AS GIVEN IN FIGURE 6-2 OF SEI/ASCE 7.

2.3.3.4 IMPORTANCE FACTOR (I)

A. IMPORTANCE (I) SHALL BE AS DEFINED IN SECTION 6.5.5 OF SEI/ASCE 7.

2.3.3.5. EXPOSURE CATEGORY

A. AN EXPOSURE CATEGORY SHALL BE IN ACCORDANCE WITH SECTION 6.5.6 OF SEI/ASCE 7.

2.3.4 EARTHQUAKE LOADS

2.3.4.1 COMPUTATIONS AND APPLICATION OF SEISMIC LOADS ON THE STRUCTURE SHALL BE IN ACCORDANCE WITH THE EARTHQUAKE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.

3. CONCRETE

3.1. GENERAL

3.1.1 STRUCTURAL CONCRETE SHALL BE IN ACCORDANCE WITH ACE 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.

3.1.2 CONCRETE SHALL BE READY-MIXED UNLESS OTHERWISE APPROVED.

3.1.3 CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI STANDARD.

3.1.4 REINFORCEMENT FOR CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI BUILDING CODE 318/318R-25.

3.2 FOUNDATION

3.2.1 FOUNDATION SHALL BE DESIGNED BASED ON THE GEO-TECHNICAL INVESTIGATION REPORT. THE GENERAL CONTRACTOR SHALL CONDUCT HIS OWN GEO-TECHNICAL TEST TO VERIFY THE DESIGN IS SAFE AND IS ACCORDANCE TO THE GEO-TECHNICAL SOIL TEST RESULT REPORT.

3.2.2 SITE PREPARATION

3.2.2.1 ALL VEGETATION, DEBRIS AND SURFACE SOILS CONTAINING ORGANIC MATERIALS SHALL BE REMOVE FROM THE SITE.

3.2.2.2 THE EXPOSED SUB-GRADE SHALL BE DENSIFIED PRIOR TO PLACING ANY FILL. THE DENSIFICATION SHALL BE ACHIEVED BY COMPACTION, AND SHALL CONTINUE UNTIL THE SOIL DENSITY, 300 MM BELOW THE EXISTING SUB-GRADE, IS AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.

3.2.2.3 IF THE COMPACTED SOILS ARE DUE TO CONSTRUCTION ACTIVITIES, THESE SOILS SHALL BE RE-COMPACTED AND RE-TESTED.

3.2.3 GROUND WATER TABLE:

3.2.2.1 THE CONTRACTOR'S ATTENTION IS DRAWN TO GROUNDWATER ELEVATIONS INDICATED OR DISCUSSED IN THE GEO-TECHNICAL REPORT. WELL-POINTS MAYBE NEEDED SO THAT THE GROUND WATER LEVEL IS MAINTAINED AT LEAST 500 MM BELOW THE BOTTOM OF FOOTINGS DURING COMPACTION AND CONSTRUCTION.

3.2.4 THE SIDES OF FOOTINGS SHALL BE FORMED, EXCAVATED SOILS TO FORM THE SIDES OF FOOTINGS ARE NOT ACCEPTABLE.

3.2.5 TOP OF FOOTING ELEVATION SHALL BE AS SHOWN ON THE FOUNDATION PLAN OR DETAILS. THESE ELEVATIONS ARE A MAXIMUM AND SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE.

3.2.6 NO UNBALANCED BACKFILLING SHALL BE DONE AGAINST FOUNDATION WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY BRACING PERMANENT CONSTRUCTION.

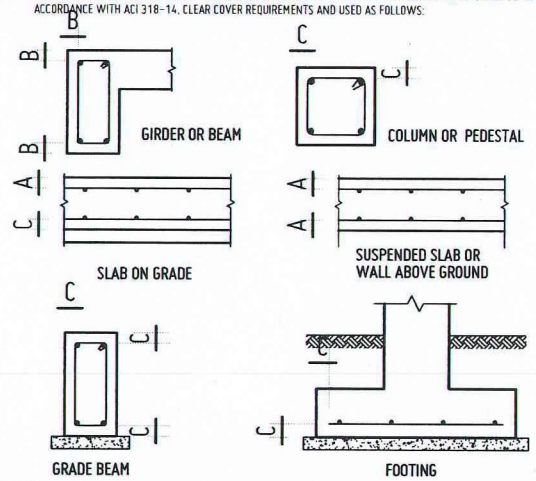
4. CONCRETE CONSTRUCTION

4.1 NO SPLICES SHALL BE PERMITTED IN FLEXURAL MEMBER REINFORCEMENT AT POINTS WHERE CRITICAL BENDING STRESSES OCCURS.

4.2 WHEN A BEAM CROSSES A GIRDER, REST BEAM BARS ON TOP OF GIRDER BARS.

4.3 IF SLABS ARE REINFORCED BOTH WAYS (TWO-WAY SPANNING SLABS), THE BARS ALONG THE SHORT SPAN SHALL BE AT THE LOWER LAYER FOR BOTTOM BARS, AND UPPER LAYER FOR TOP BARS.

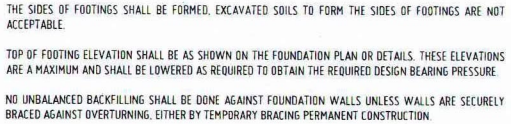
4.4 UNLESS OTHERWISE NOTED, THE FOLLOWING CLEAR CONCRETE COVER OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 318-14, CLEAR COVER REQUIREMENTS AND USED AS FOLLOWS:



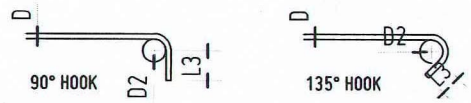
CAST-IN-PLACE CONCRETE		
CLEAR COVER	EXPOSED TO WEATHER OR EARTH	NOT EXPOSED TO WEATHER OR EARTH
A	50	25
B	50	40
C	75	50

PRECAST CONCRETE			
CLEAR COVER	EXPOSED TO EARTH	EXPOSED TO WEATHER	NOT EXPOSED TO WEATHER OR EARTH
WALL PANELS	75	30	20
OTHERS	75	50	30

4.5 HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE FOLLOWING MINIMUM REQUIREMENT:

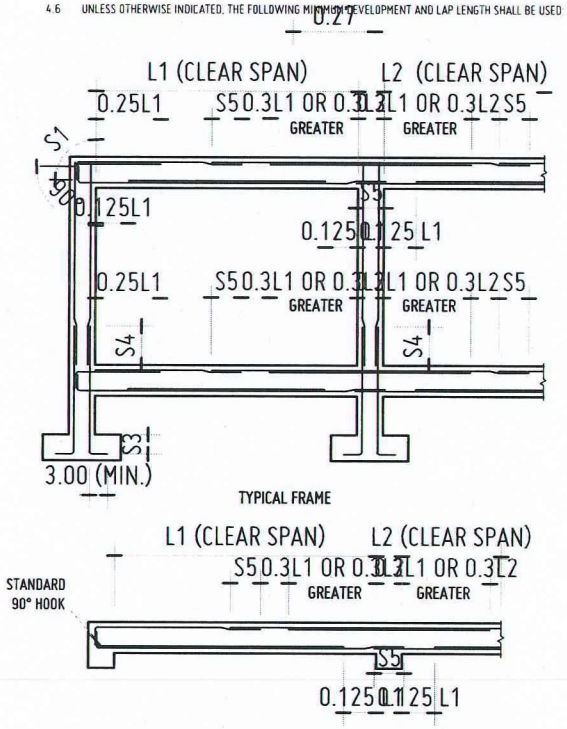


MAIN REINFORCEMENT			
BARS (MM)	MINIMUM BEND DIAMETER	EXTENSION	
	D1 (MM)	L1 (MM)	L2 (MM)
Ø8	50	60	95
Ø10	60	60	125
Ø12	70	60	145
Ø14	85	60	170
Ø16	95	65	190
Ø18	110	70	215
Ø20	120	80	240
Ø22	130	90	265
Ø25	150	100	300
Ø28	225	110	335



STIRRUPS AND TIES		
BARS (MM)	MINIMUM BEND DIAMETER	EXTENSION
	D2 (MM)	L3 (MM)
Ø8	30	50
Ø10	40	60
Ø12	50	70
Ø14	55	85
Ø16	65	95

4.6 UNLESS OTHERWISE INDICATED, THE FOLLOWING MINIMUM DEVELOPMENT AND LAP LENGTH SHALL BE USED:



	MIN. DEVELOPMENT LENGTH			MIN. LAP LENGTH	
BARS (MM)	IN TENSION		IN COMPRESSION	IN TENSION	IN COMPRESSION
	S1 (MM)	S2 (MM)	S3 (MM)	S4 (MM)	S5 (MM)
Ø8	420	325	200	420	300
Ø10	525	405	210	525	300
Ø12	630	485	250	630	355
Ø14	735	565	295	735	410
Ø16	840	645	335	840	470
Ø18	945	725	380	945	530
Ø20	1050	805	420	1050	590
Ø22	1440	1110	460	1440	650
Ø25	1640	1260	525	1640	735
Ø28	1833	1410	590	1833	825
Ø30	1965	1510	630	1965	880
Ø32	2095	1615	670	2095	940

NOTES:

A. THE INDICATED MINIMUM DEVELOPMENT AND LAP LENGTH IS FOR CLASS 25 CONCRETE. FOR f'c OTHER THEN 25 MPa, THE VALUES OF S1, S2, S3, AND S4 SHALL BE MULTIPLIED BY $5/\sqrt{f'c}$.

B. WHEN LIGHTWEIGHT AGGREGATE CONCRETE IS USED, INDICATED VALUE OF S1 AND S2 SHALL BE MULTIPLIED BY 1.3, HOWEVER WHEN THE AVERAGE SPLITTING TENSILE STRENGTH OF LIGHTWEIGHT AGGREGATE CONCRETE (fct) IS SPECIFIED, S1 AND S2 SHALL BE PERMITTED TO BE MULTIPLIED BY $\sqrt{f'c}/1.8fct$ BUT NOT LESS THAN 1.0.

C. FOR EPOXY COATED BARS, S1 AND S2 SHALL BE MULTIPLIED BY 1.3.

D. LAP AND DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE, SHALL BE THAT FOR INDIVIDUAL BAR INCREASED BY 20% FOR THREE BAR BUNDLE, 33% FOR FOUR BAR BUNDLE.

5. MASONRY

5.1 MASONRY UNITS SHALL CONFORM TO THE REQUIREMENTS OF ACI 530/ASCE 5.

5.2 MASONRY EXPANSION AND CONTROL JOINT REQUIREMENTS SHALL BE AS INDICATED.

5.3 UNLESS OTHERWISE INDICATED, ALL WALLS SHALL BE LAID IN RUNNING BOND.

5.4 REINFORCING BARS SHALL BE PROVIDED OF THE GIVEN SIZE AND SPACING AS INDICATED, PROVIDE BARS AT ALL WALL CORNERS, INTERSECTIONS AND OPENING EDGES.

5.7 REBAR DOWELS SHALL BE PROVIDED FROM FOUNDATIONS TO MATCH VERTICAL BARS.

5.8 LINTEL BEAM SHALL BE PROVIDED ABOVE ALL WALL OPENINGS.

6. STEEL

6.1 ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-16.

7. NOTES FOR DRAWING NOMENCLATURES

7.1 ALL DIMENSIONS ARE IN MILLIMETERES AND ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.

7.2 INDICATED DIMENSION SHALL PREVAIL AGAINST SCALED DIMENSION.

7.3 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS, SHALL NOTIFY THE IPFDO OF ANY DISCREPANCY.

7.4 ALL REINFORCING BARS SHALL BE READ AS FOLLOWS:



8. ABBREVIATIONS

ACI	-	AMERICAN CONCRETE INSTITUTE
ADD'L	-	ADDITIONAL
AP	-	ALTERNATELY PLACED
AR	-	ALTERNATELY REVERSED
AS	-	ALTERNATELY STAGGERED
ASTM	-	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	-	AMERICAN WELDING SOCIETY
B	-	BOTTOM
BF	-	BACK FACE
BW	-	BOTHWAYS
CL	-	CENTER LINE
CLR	-	CLEAR
CMU	-	CONCRETE MASONRY UNIT
CONC	-	CONCRETE
CONT	-	CONTINUOUS
DIA	-	DIAMETER
DISCONT	-	DISCONTINUOUS
DTL	-	DETAIL
DWG	-	DRAWING
EF	-	EACH FACE
EL	-	EXISTING LEVEL
ELEV	-	ELEVATION
EQ	-	EQUAL
EW	-	EACH WAY
EXT	-	EXTERIOR
FF	-	FRONT FACE
FIN	-	FINISH
GLS	-	GUIDELINE SPECIFICATION
HOR	-	HORIZONTAL
INT	-	INTERIOR
LGTH	-	LENGTH
MIN	-	MINIMUM
NTS	-	NOT TO SCALE
OC	-	ON CENTER
REBAR	-	REINFORCING BAR
REINF	-	REINFORCED, REINFORCEMENT OR REINFORCING
SEC	-	SECTION
SP	-	SPACING
STIRR	-	STIRRUPS
SYMM	-	SYMMETRICAL
T	-	TOP
THK	-	THICK
TYP	-	TYPICAL
UON	-	UNLESS OTHERWISE NOTED
VERT	-	VERTICAL
WWF	-	WELDED WIRE FABRIC

9. WATER PROOFING

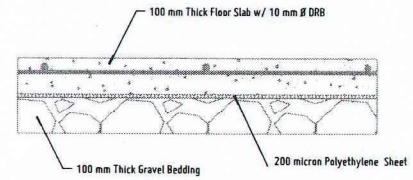
9.1 ALL STRUCTURAL CONCRETE IN CONTACT WITH THE GROUND SHALL BE PROTECTED EITHER BY TWO COATS OF BITUMINOUS DAMPROOFING OR BY USE OF WATER PROOF MEMBRANE AS BEEN SHOWN ON THE DETAILED DRAWING.

POLYETHYLENE SHEET OF 200 MICRON TO BE USED AS VAPOUR BARRIER UNDER MUD SLAB.

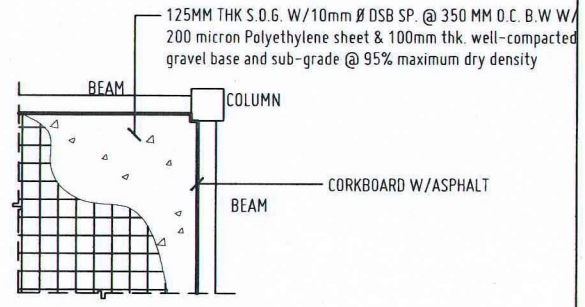
WATER PROOFING TO BE APPLIED ON TO TOP OF MUD CONCRETE AND ABOVE.

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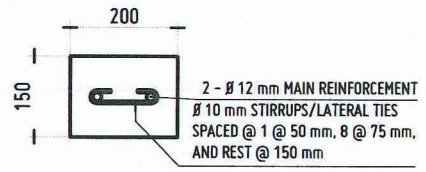
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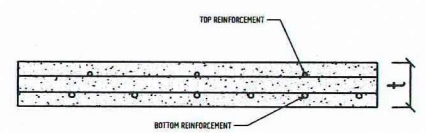
SLAB ON GRADE DETAIL



SLAB ON GROUND DETAIL



LINTEL AND STIFFENER BEAM DETAILS



NOTE: CHECK SCHEDULE FOR SLAB DIMENSIONS AND REINFORCING BAR SPACING.

SUSPENDED SLAB DETAIL

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TIN: 152-020-743 PLACE: EL SALVADOR CITY

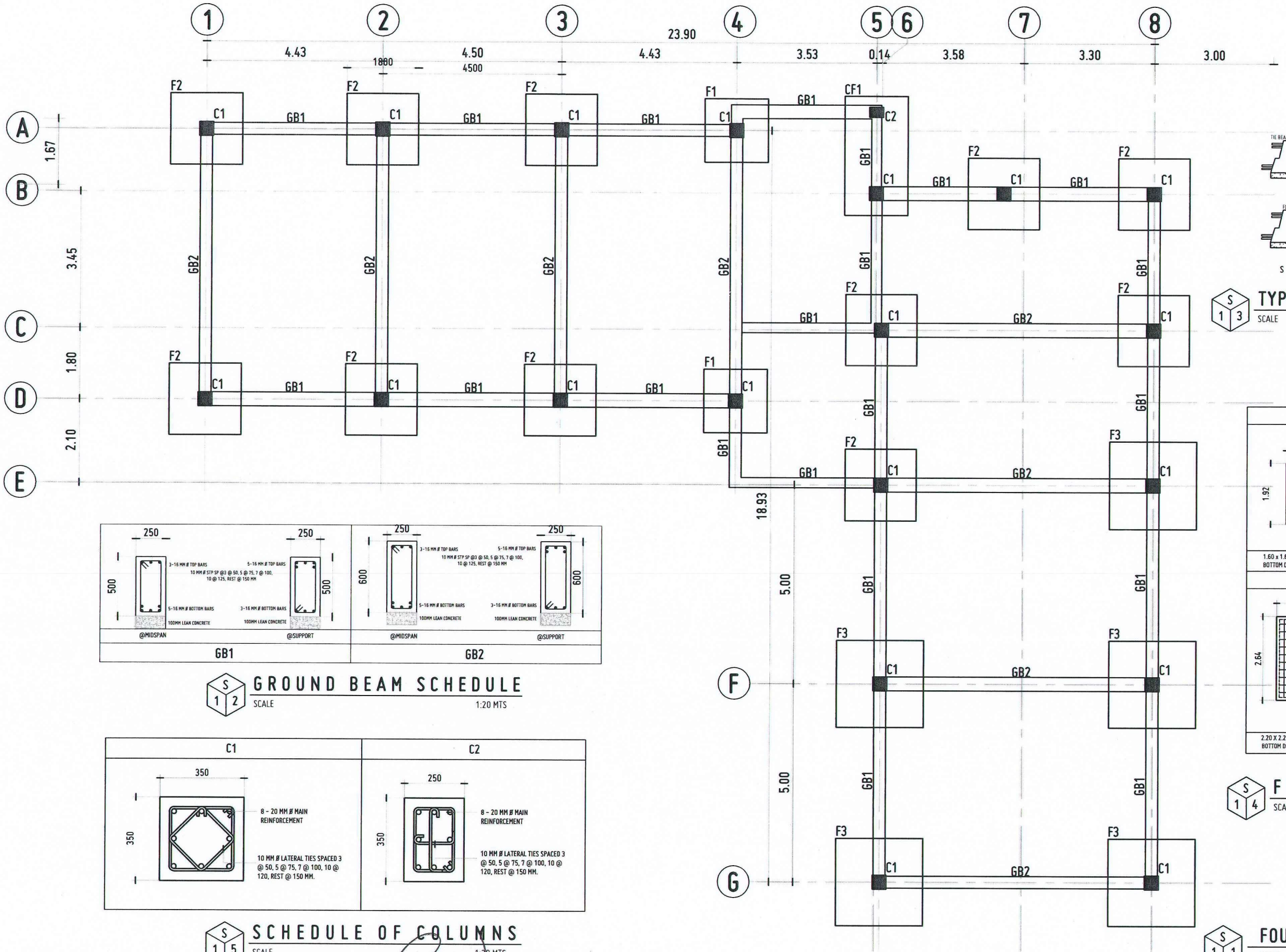
PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

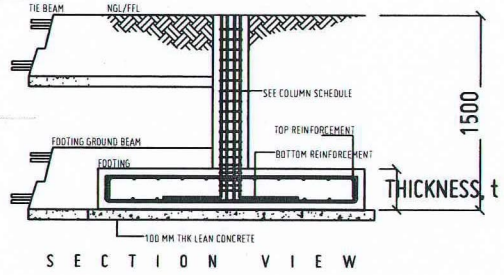
RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DRAWN BY:
ENGR. GRACE C. BABA	ATTY. JONATHAN S. OCHE	AMBROSIO B. CULTURA II, PH.D		DATE DRAWN:
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	VP FOR ADMINISTRATION & LEGAL AFFAIRS	PRESIDENT, USTP SYSTEM		FNT:

SO

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Approved by:





S E C T I O N V I E W

TYPICAL FOOTING SECTION DETAIL

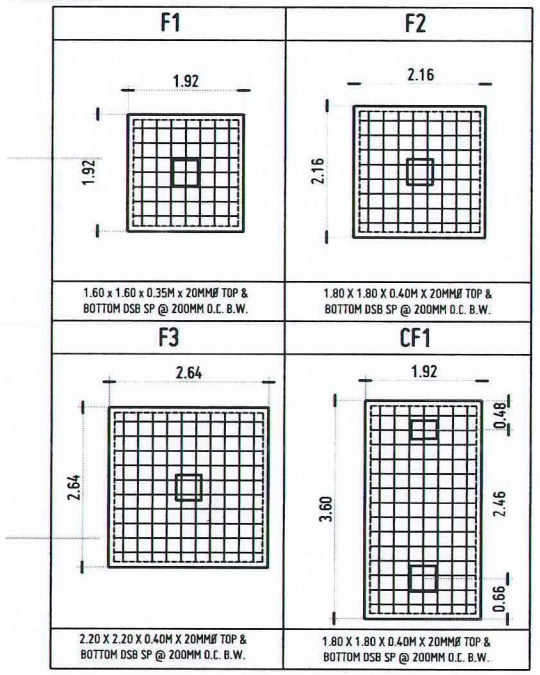
SCALE 1:75 MTS

GROUND BEAM SCHEDULE

SCALE 1:20 MTS

SCHEDULE OF COLUMNS

SCALE 1:20 MTS



FOOTING SCHEDULE

SCALE 1:25 MTS

FOUNDATION LAYOUT PLAN

SCALE 1:100 MTS

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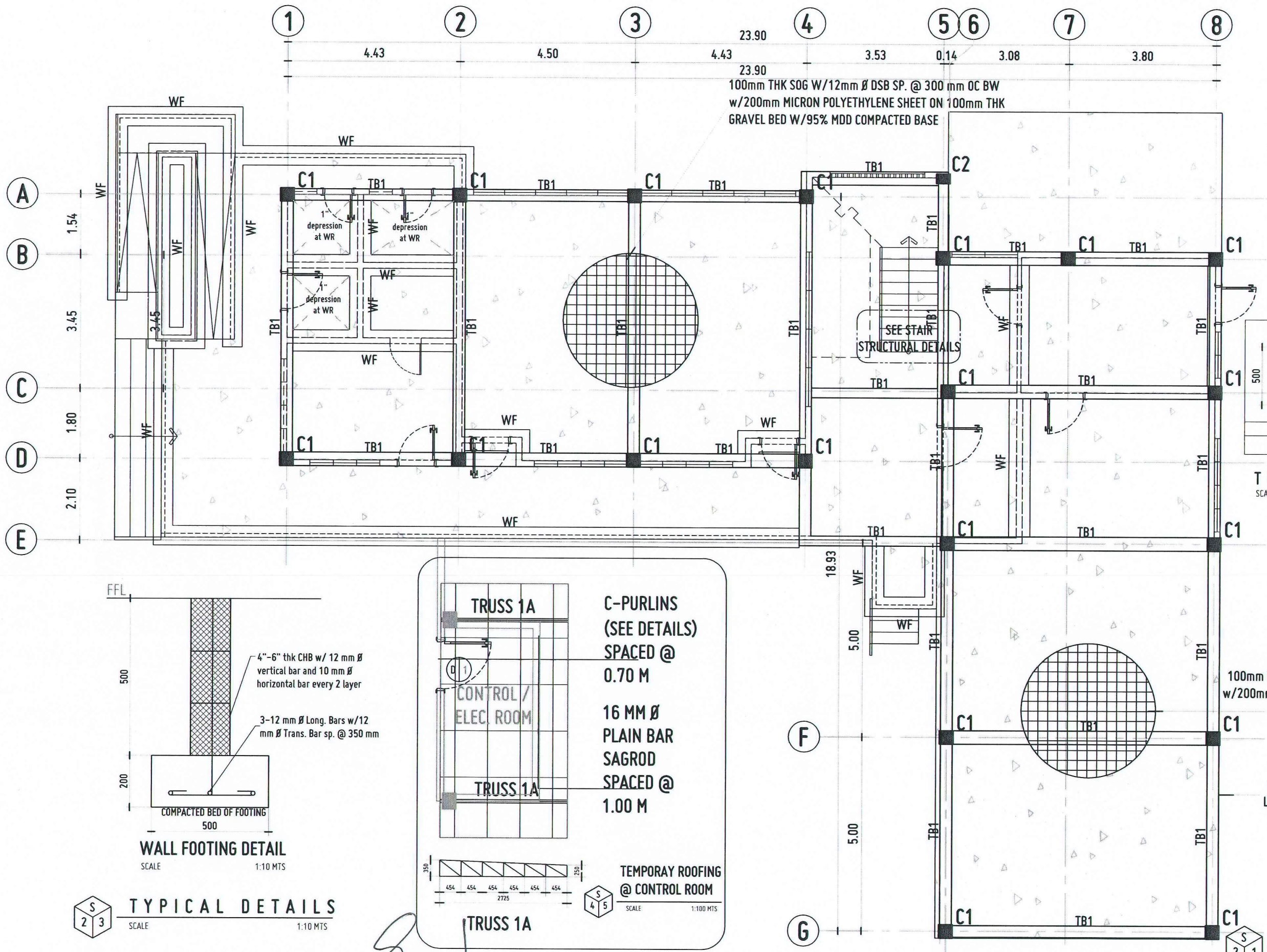
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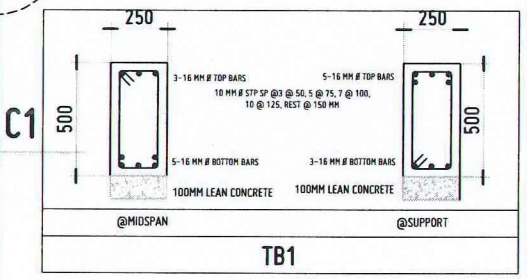
S1

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Approved by:

100mm THK SOG W/12mm Ø DSB SP. @ 300 mm OC BW
w/200mm MICRON POLYETHYLENE SHEET ON 100mm THK
GRAVEL BED W/95% MDD COMPACTED BASE





TIE BEAM SCHEDULE
SCALE 1:20 MTS

WALL FOOTING DETAIL
SCALE 1:10 MTS

TRUSS 1A

TEMPORAY ROOFING @ CONTROL ROOM
SCALE 1:100 MTS

TYPICAL DETAILS
SCALE 1:10 MTS

GROUND FLOOR LAYOUT PLAN
SCALE 1:60 MTS

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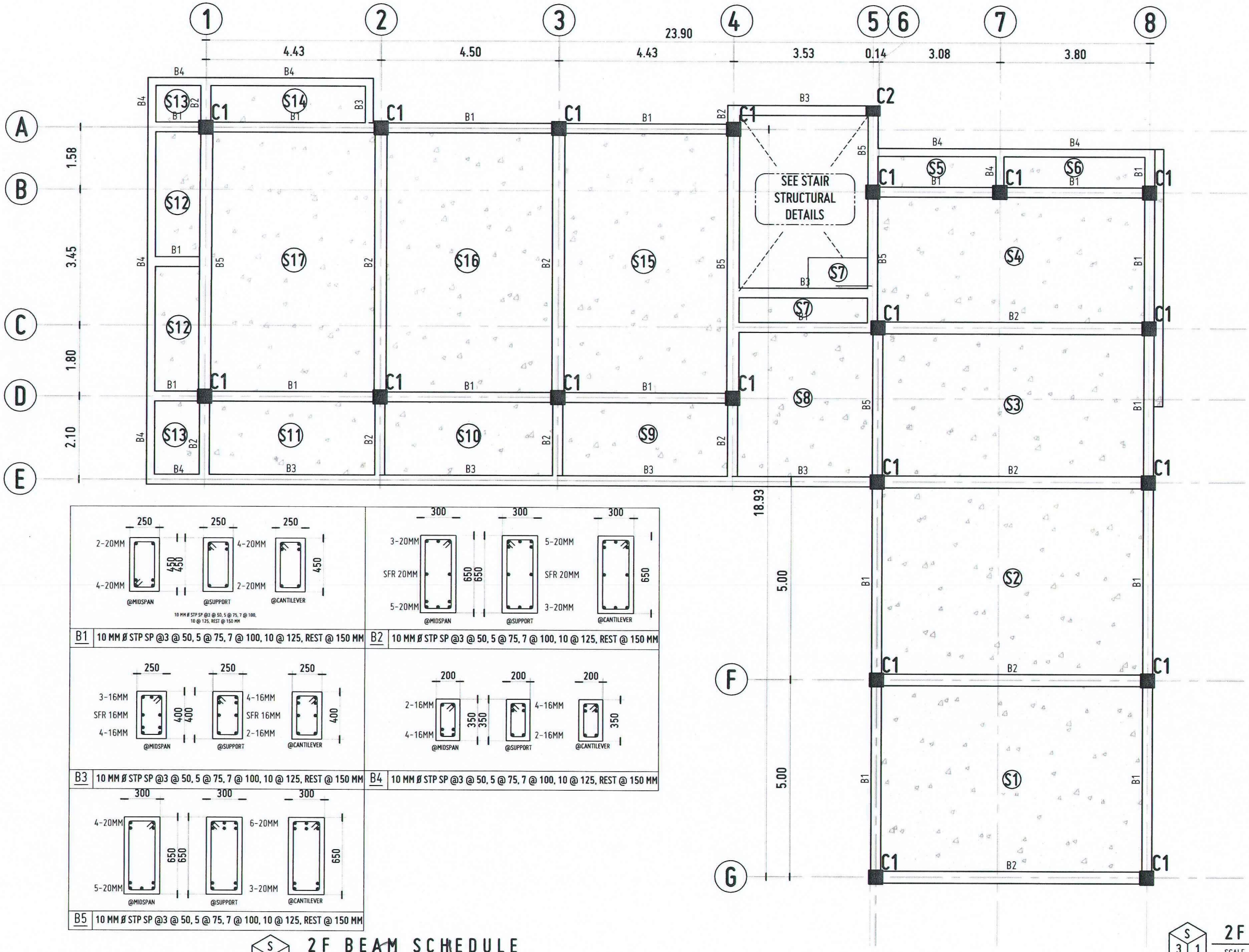
SHEET CONTENTS:

DRAWN BY:
DATE DRAWN:
FNT:

S2

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Approved by:



B1 | 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM

B2 | 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM

B3 | 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM

B4 | 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM

B5 | 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM

S 3 3 **2F BEAM SCHEDULE**
SCALE 1:20 MTS

S 3 1 **2F BEAM LAYOUT PLAN**
SCALE 1:100 MTS

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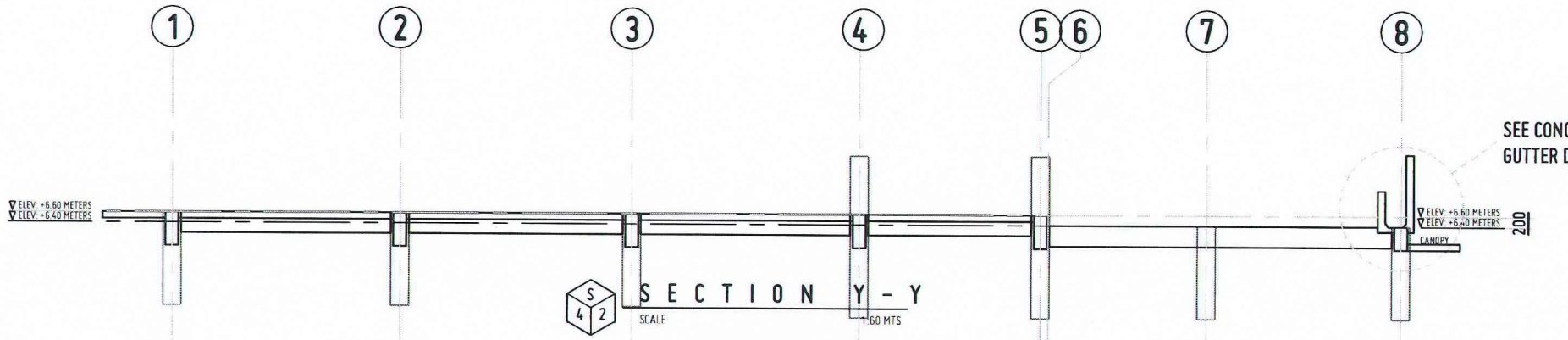
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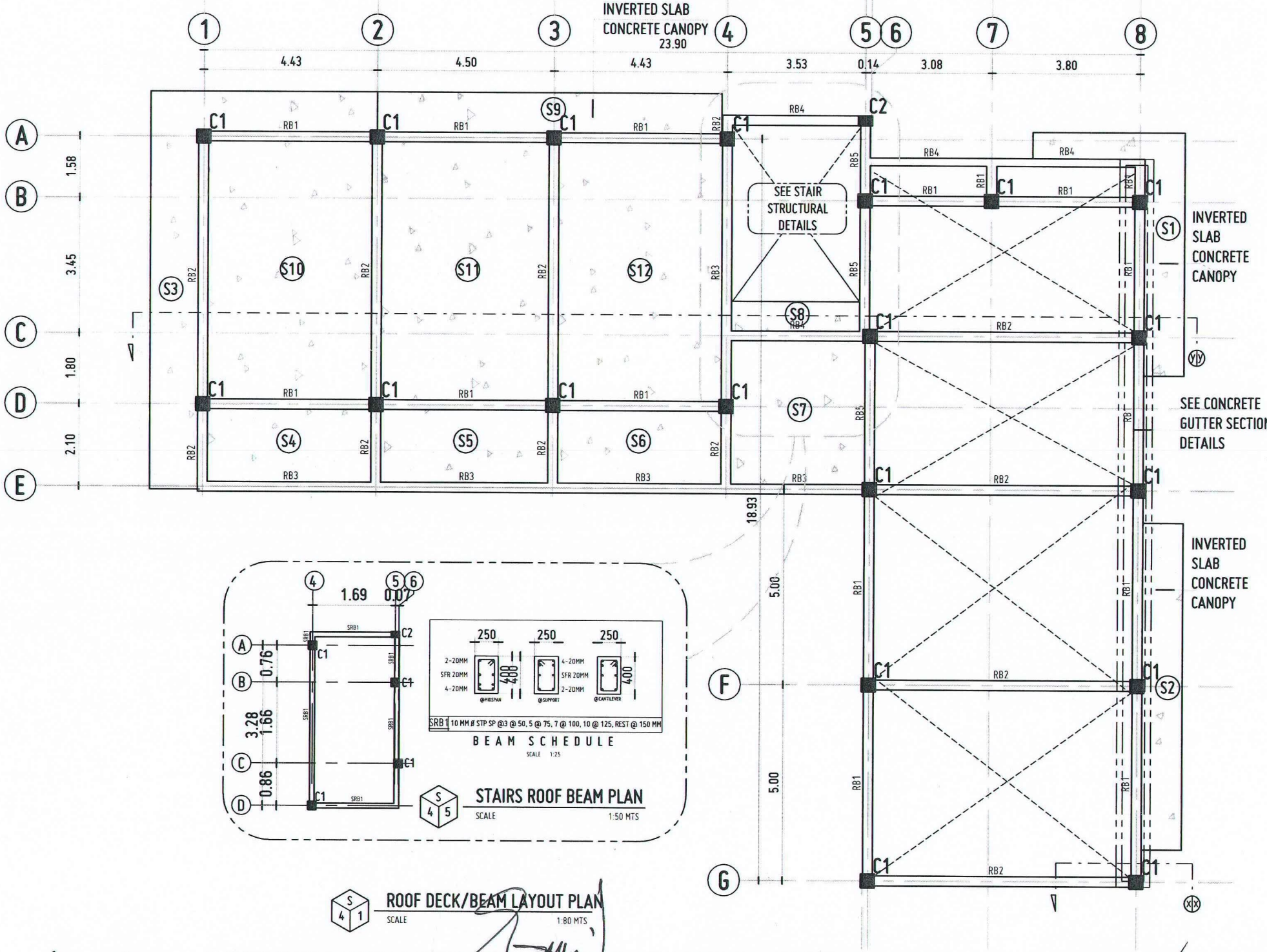
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DATE DRAWN:
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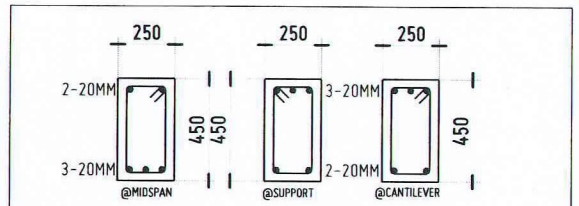
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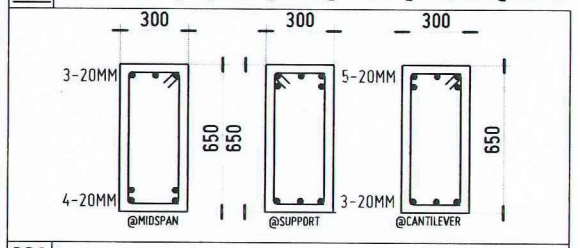
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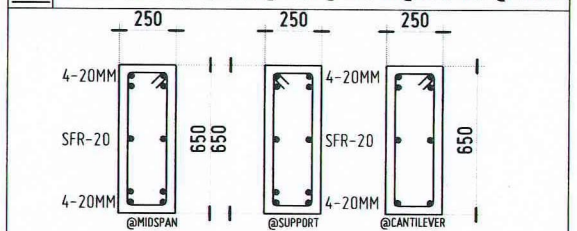




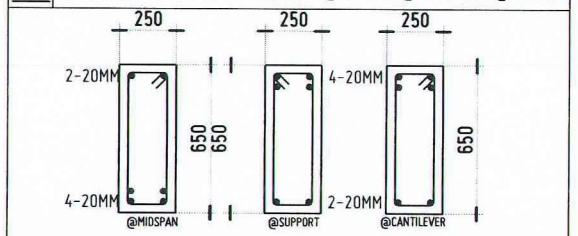
RB1 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM



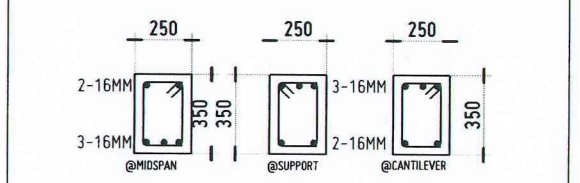
RB3 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM



RB5 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM



RB2 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM



RB4 10 MM Ø STP SP @3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM

ROOF DECK/BEAM SCHEDULE
SCALE 1:20 MTS

ROOF DECK/BEAM LAYOUT PLAN
SCALE 1:80 MTS

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TIN: 142-320-743 PLACE: EL SALVADOR CITY

PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DRAWN BY:
ENGR. GRACE C. BABA	ATTY. JONATHAN S. OCHE	AMBROSIO B. CULTURA II, PH.D		DATE DRAWN:
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	VP FOR ADMINISTRATION & LEGAL AFFAIRS	PRESIDENT, USTP SYSTEM		FNT:

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