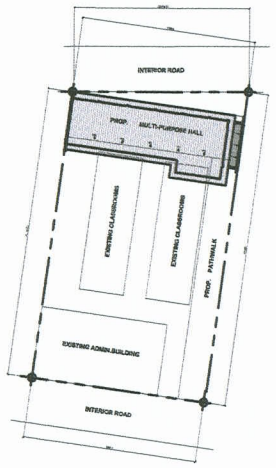
A / A 01 **PERSPECTIVE**

SCALE: NTS



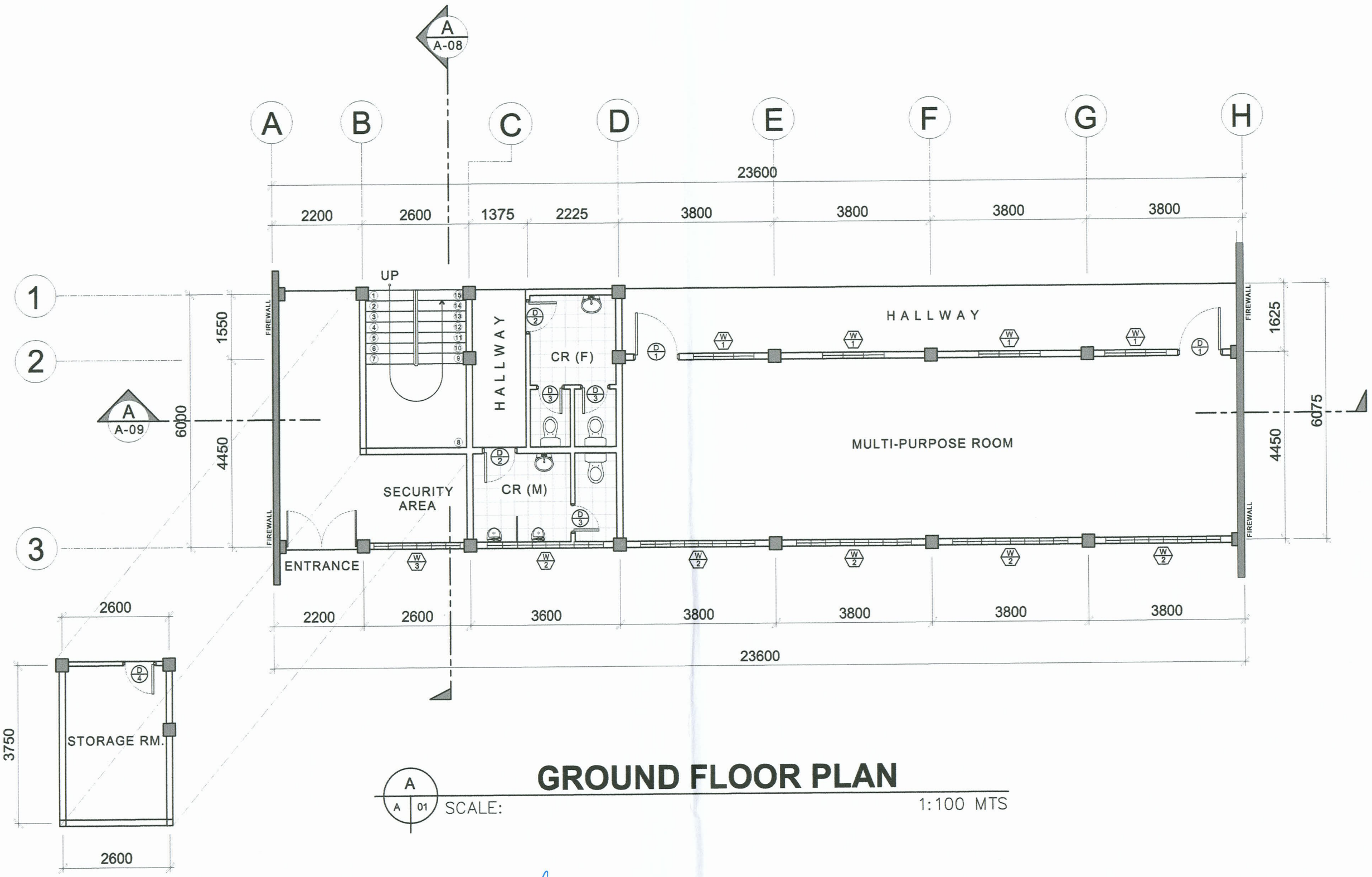
A / A 02 **SITE DEVELOPMENT PLAN**

SCALE: NTS

A / A 02 **LOCATION MAP**

SCALE: NTS

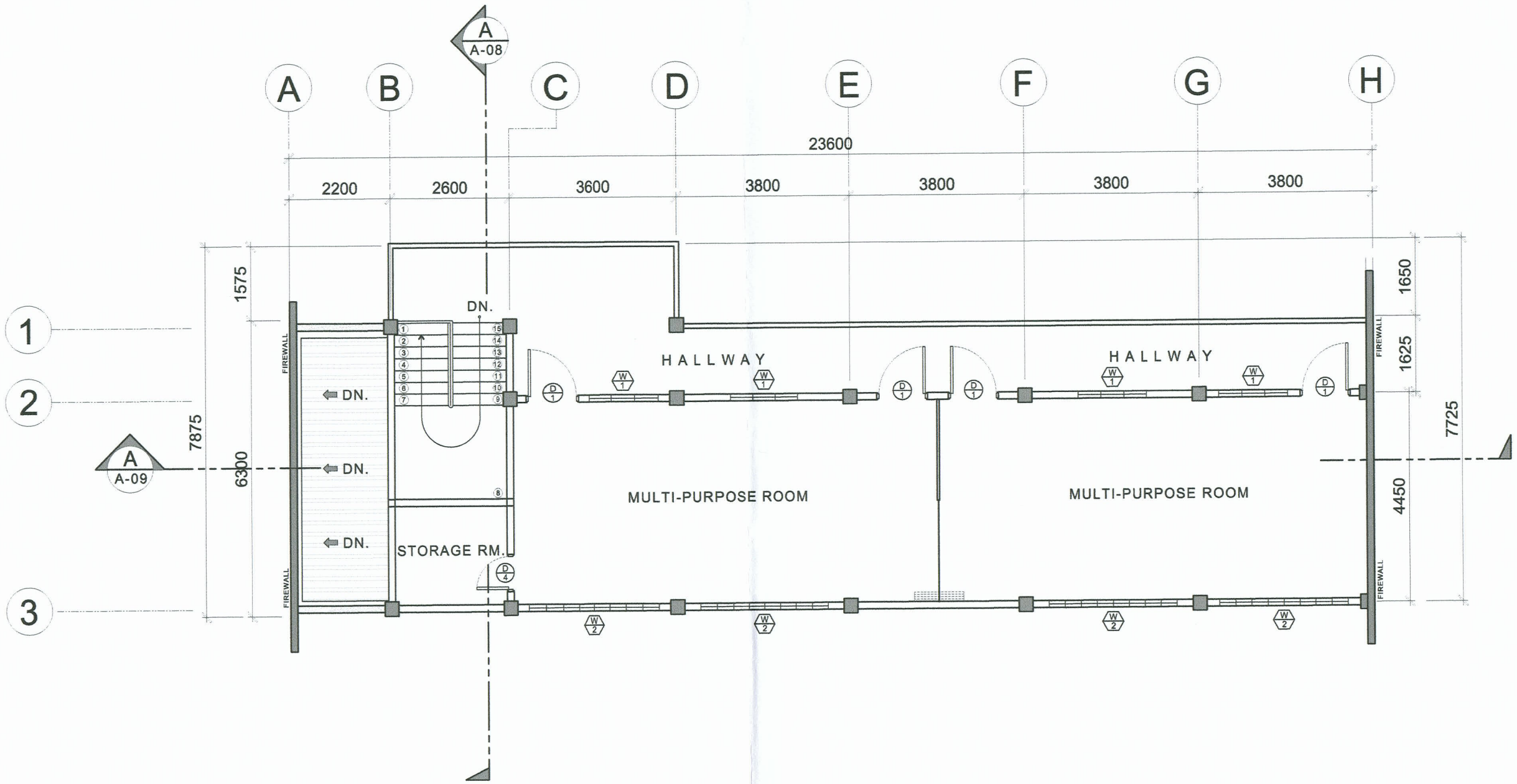
PREPARED BY:	END-USER:	REVIEWED BY:		ENDORSED BY:	RECOM.APPROVAL:	APPROVED BY:	PROJECT TITLE:	AGENCY:	SHEET NO:
M.N. GATDULA STAFF PPU-PO	T.C. LOPEZ CAMPUS ADMIN. TANZA	E.N.RODEROS JR. UNIT HEAD PPU-PO	O.B.DELOS REYES DIRECTOR PO	M.J.D.TERORA VP OVPPD	C.A.POLINGA VP OVPASS	H.D.ROBLES PRES THIS UNIVERSITY	**PROPOSED TWO STOREY MULTI-PURPOSE HALL AT CvSU-TANZA CAMPUS**	**CvSU**	A-1



GROUND FLOOR PLAN

A / A 01 SCALE: 1:100 MTS

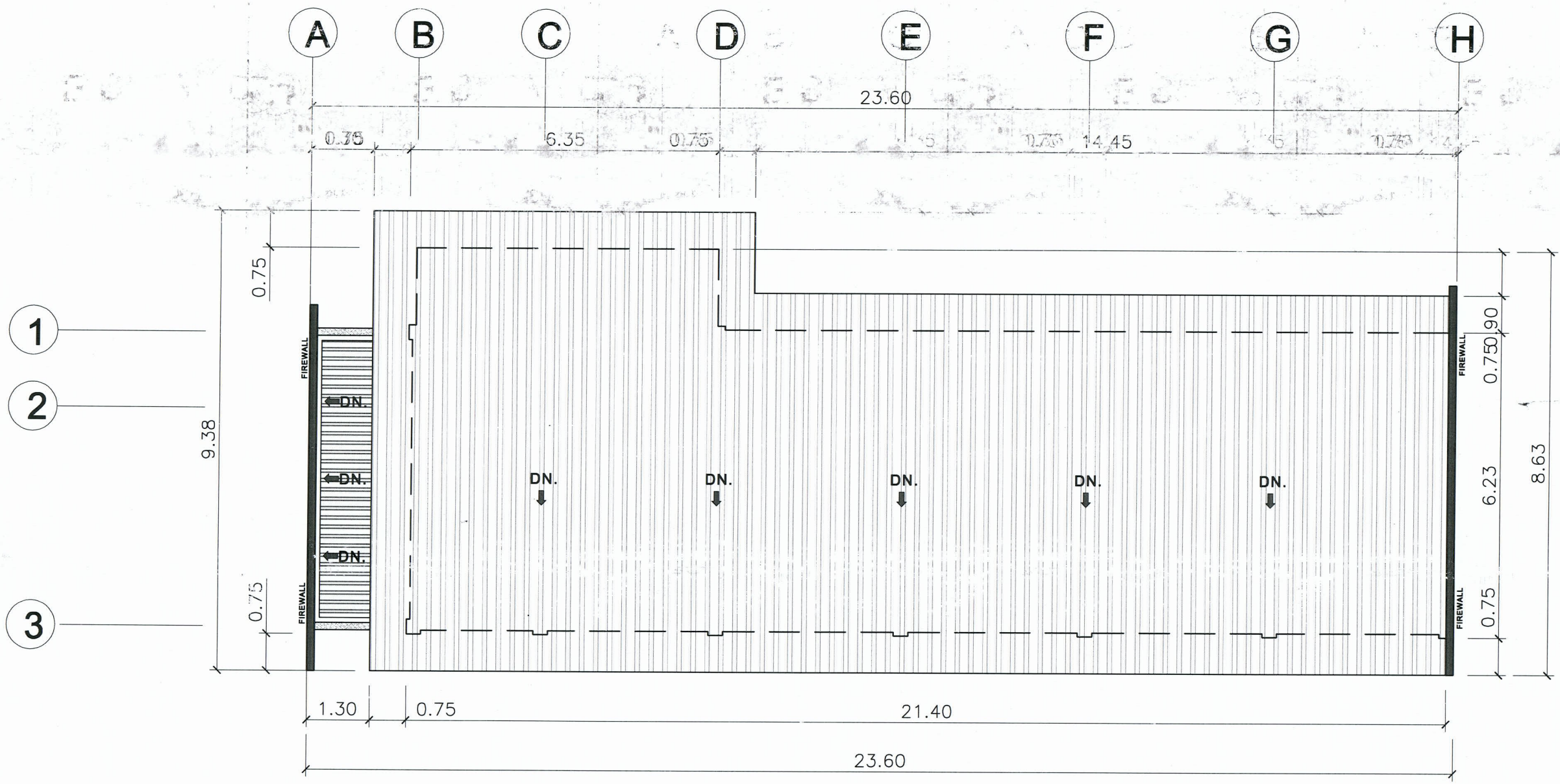
PREPARED BY:	END-USER:	REVIEWED BY:		ENDORSED BY:	RECOM.APPROVAL:	APPROVED BY:	PROJECT TITLE:	AGENCY:	SHEET NO:
M.N.SATBULA STAFF PPU-PO	T.C. LOPEZ CAMPUS ADMIN TANZA	E.N.RODEROS JR. UNIT HEAD PPU-PO	O.B.DELOS REYES DIRECTOR PO	M.J.D.TEPORA VP OVPPO	O.A.POLLINGA VP OVPASS	H.D.ROBLES PRES THIS UNIVERSITY	**PROPOSED TWO STOREY MULTI-PURPOSE HALL AT CvSU-TANZA CAMPUS**	**CvSU**	A-2



SECOND FLOOR PLAN

A / A 01 SCALE: 1:100 MTS

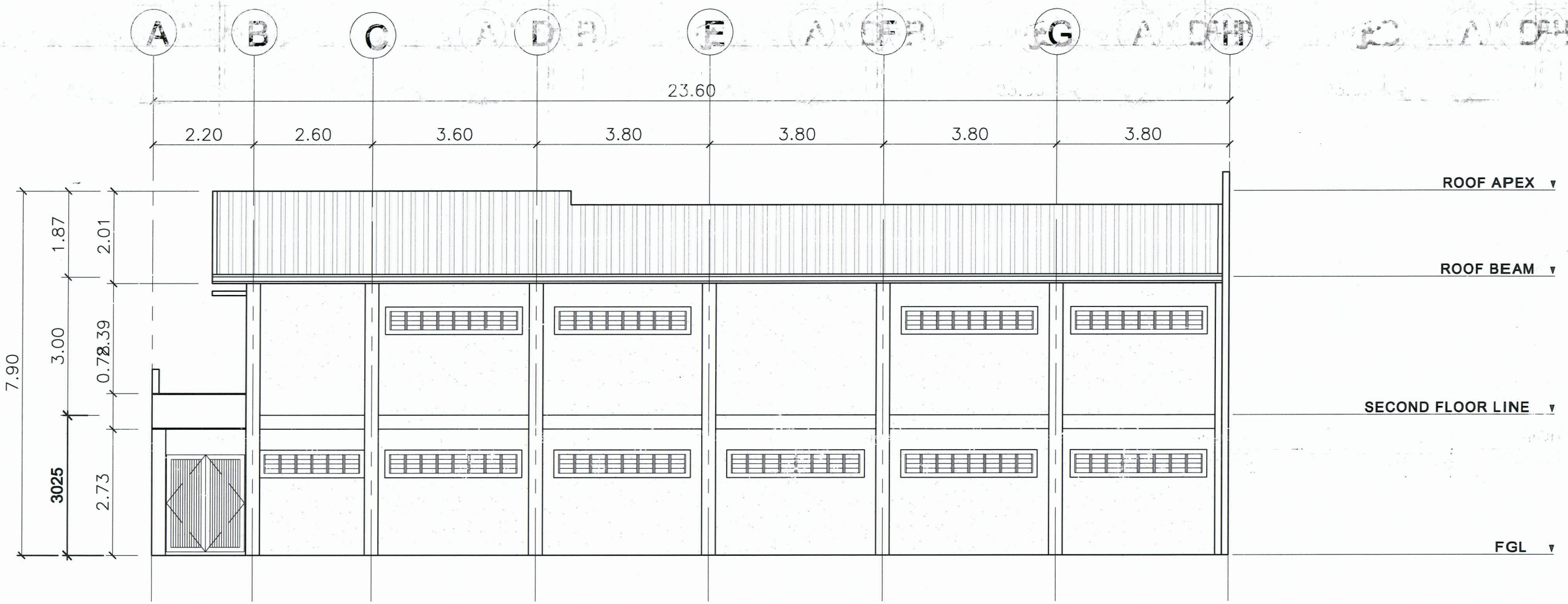
PREPARED BY:	END-USER:	REVIEWED BY:		ENDORSED BY:	RECOM.APPROVAL:	APPROVED BY:	PROJECT TITLE:	AGENCY:	SHEET NO:
M.N.GATDULA STAFF PPU-PO	T.C. LOPEZ CAMPUS ADMIN. TANZA	E.N.RODEROS JR. UNIT HEAD PPU-PO	O.B.DELOS REYES DIRECTOR PO	M.J.D.ITEPORA VP OVPPD	C.A.POLINGA VP OVPASS	H.D.ROBLES PRES THIS UNIVERSITY	**PROPOSED TWO STOREY MULTI-PURPOSE HALL AT CvSU-TANZA CAMPUS**	**CvSU**	A-3



1 / A3 ROOF PLAN

SCALE 1 : 100 MTS.

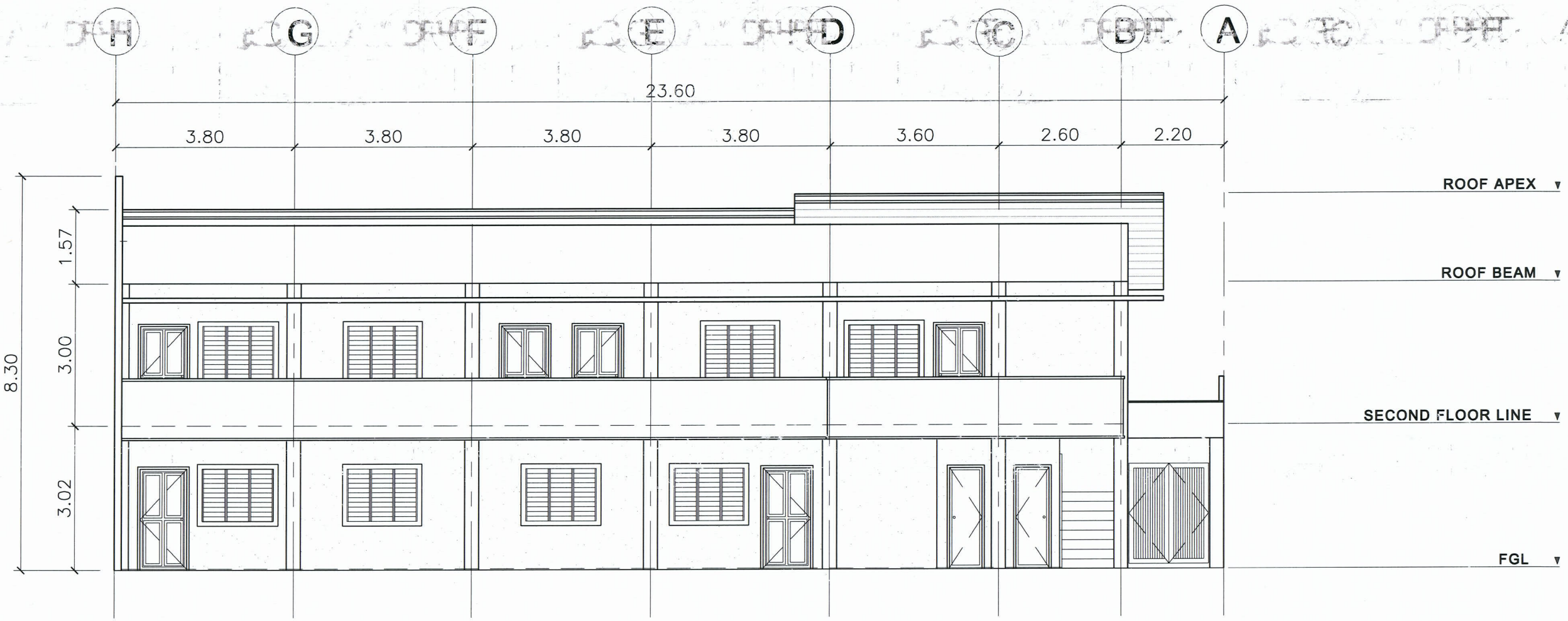
PREPARED BY:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT. NO:
M. N. GATDULA PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	A - 3



1 / A4 FRONT ELEVATION

SCALE 1 : 100 MTS.

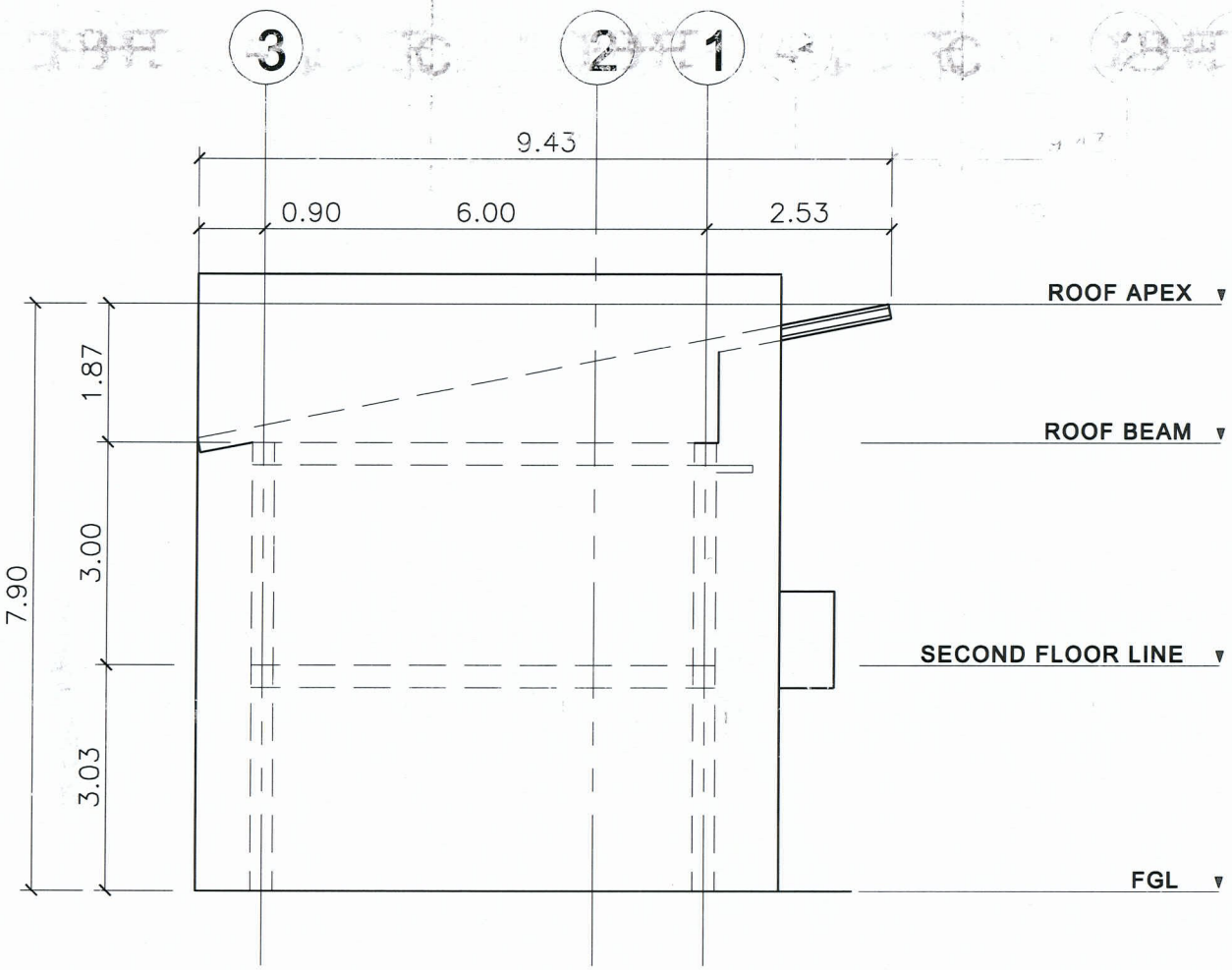
	PREPARED BY:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE / LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
	M. N. CATDULA PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	A – 4



1 / A5 REAR ELEVATION

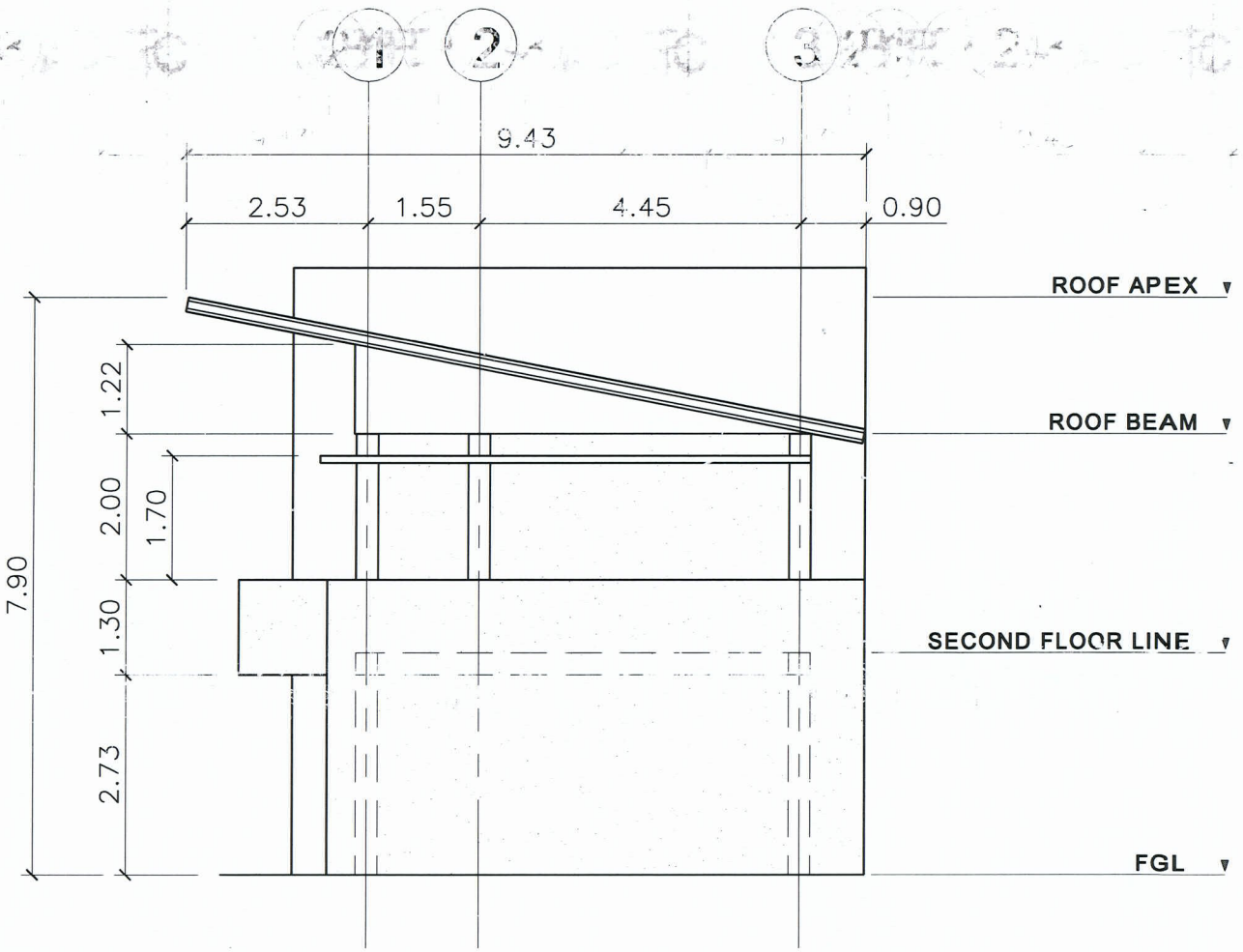
SCALE 1 : 100 MTS.

	PREPARED BY:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
	M. N. GATDULA PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	A - 5



1 / A6 RIGHT SIDE ELEVATION

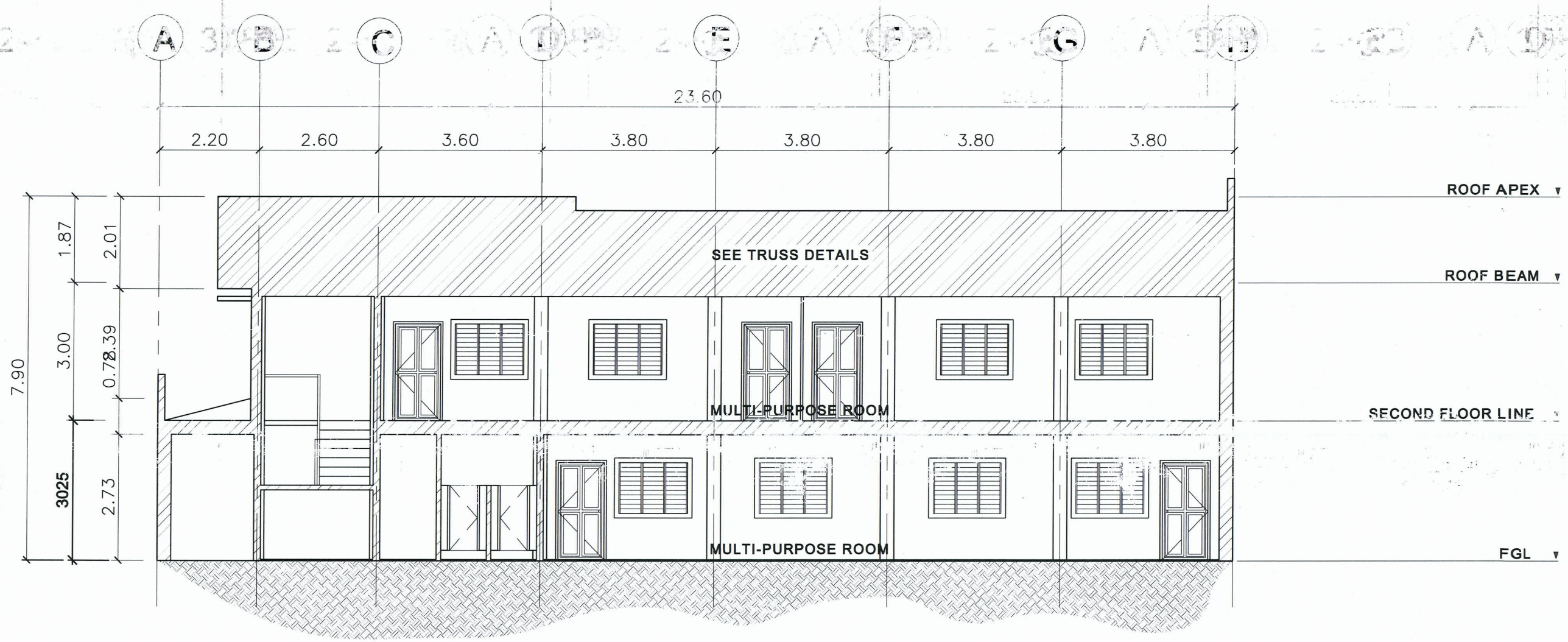
SCALE 1 : 100 MTS.



2 / A6 RIGHT SIDE ELEVATION

SCALE 1 : 100 MTS.

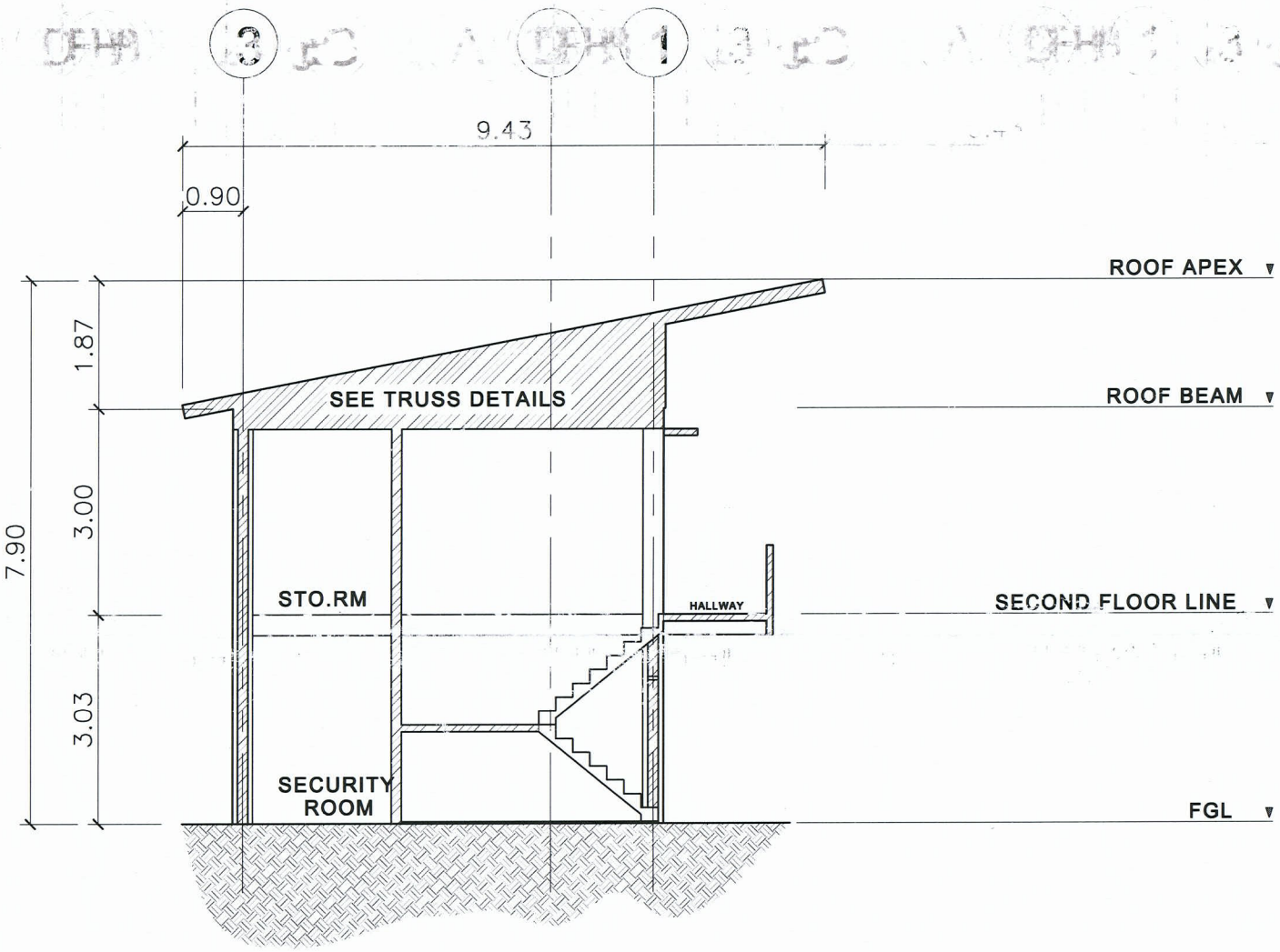
	PREPARED BY:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/LOCATION:	IMPLEMENTING AGENCY/INSTITUTION:	
	M. N. GATDULA PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINCA VPAA CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	A 6



1 / A7 CROSS SECTION A–A

SCALE 1 : 100 MTS.

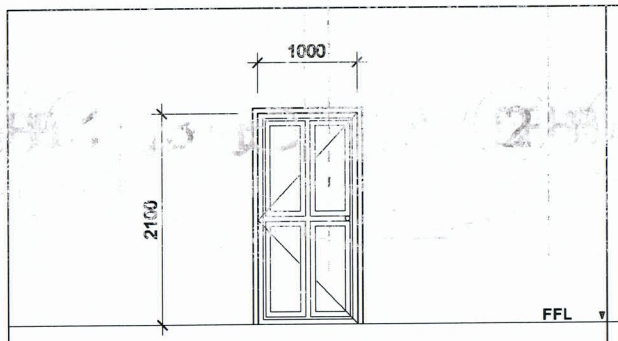
	PREPARED BY:	END USER:	REVIEWED BY:		ENDORSED BY:	APPROVED BY:	PROJECT LOCATION:	AGENCY	SHT NO:
	M. N. CATDULA PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. V. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	A – 7



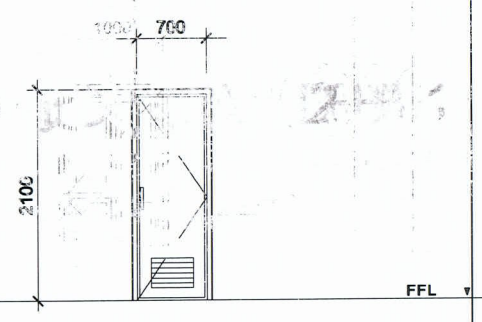
1 / A8 CROSS SECTION B–B

SCALE 1 : 100 MTS.

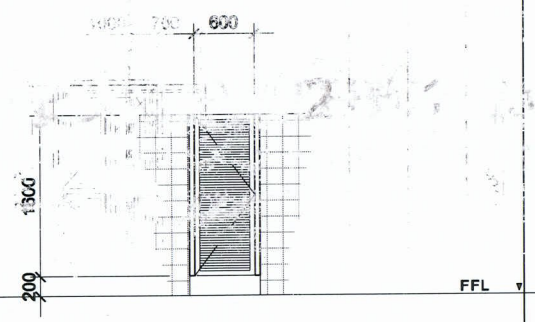
PREPARED BY:	END USER:	REVIEWED:	ENDORSED:	REC. APPROVAL:	APPROVED:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
M. N. GATDULA PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI–PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	A – 8



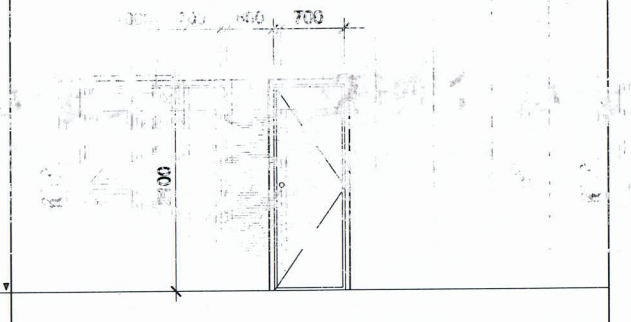
D/1	
SPECIFICATION:	FLUSH DOOR
QUANTITY:	6 SETS
LOCATION:	MULTI-PURPOSE HALL



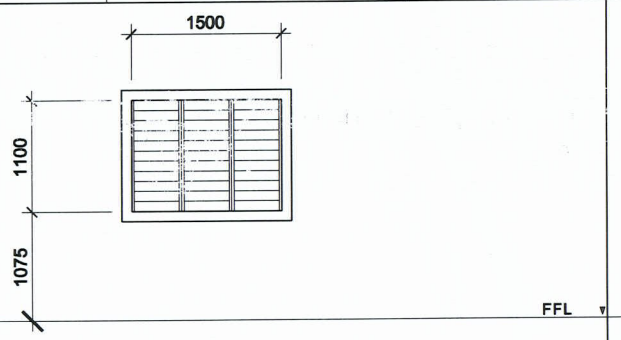
D/2	
SPECIFICATION:	PVC DOOR WITH LOUVER
QUANTITY:	2 SETS
LOCATION:	CR (M & F)



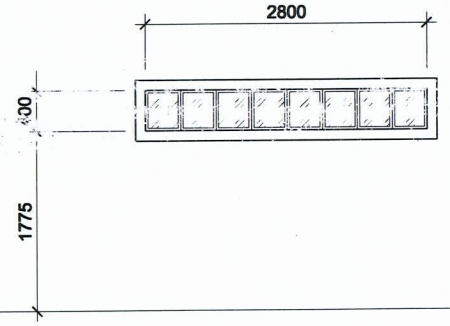
D/3	
SPECIFICATION:	FLUSH DOOR
QUANTITY:	3 SETS
LOCATION:	CR (M & F)



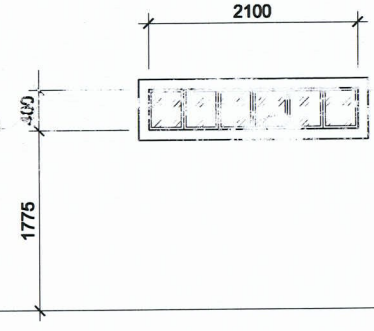
D/4	
SPECIFICATION:	FLUSH DOOR
QUANTITY:	2 SETS
LOCATION:	STORAGE ROOM



W/1	
SPECIFICATION:	JALOUSIE WINDOW
QUANTITY:	8 SETS
LOCATION:	MULTI-PURPOSE RM.



W/2	
SPECIFICATION:	FIXED CLERESTORY WINDOW
QUANTITY:	9 SETS
LOCATION:	MULTI-PURPOSE RM.



W/3	
SPECIFICATION:	FIXED CLERESTORY WINDOW
QUANTITY:	1 SET
LOCATION:	SECURITY AREA

1/A9 SCHEDULE OF DOORS AND WINDOWS

SCALE 1 : 75 MTS.

PREPARED BY:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPR.:	APPROVED BY:	PROJECT TITLE	IMPLEMENTING AGENCY	
M. N. GATDULA PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	A-9

GENERAL:

A. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING BUILDING CODE.

1. ACI 318-19
2. A1SC-2017
3. NSCP-2015

B. ALL DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES UNLESS OTHERWISE INDICATED

C. FOR ALL OTHER REQUIREMENTS, REFER TO ARCHITECTURAL, SANITARY, ELECTRICAL AND MECHANICAL WORKING DRAWINGS.

FOOTINGS:

1. FOOTINGS ARE DESIGNED ON NATURAL GRADE LINE WITH A MIN. BEARING CAPACITY OF 144kPa AT A DEPTH OF 1.50M BELOW THE NATURAL GRADE LINE.
2. NO FOOTING SHALL REST ON FILL.
3. MINIMUM CONCRETE PROTECTION FOR REBARS SHALL BE 0.076m. CLEAR FOR CONCRETE DEPOSITED AGAINST THE GROUND AND 0.05m. CLEAR FOR CONCRETE DEPOSITED AGAINST THE FORM WORK.

CONCRETE MIXES & PLACINGS :

1. UNLESS OTHERWISE SPECIFIED, THE MINIMUM 28 DAYS CYLINDER COMPRESSIVE STRENGTH ARE AS FOLLOWS.

FOOTINGS & BEAMS ON GRADE	24.0 MPa
COLUMNS	24.0 MPa
SLAB, BEAMS & GIRDERS	24.0 MPa
PARTITIONS, PARAPET & SHEAR WALL	24.0 MPa
BEDDED SLABS, CATCH BASINS & SIDE WALK	21.0 MPa

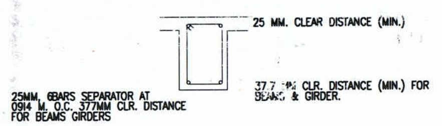
2. ALL CONCRETE MUST BE DEPOSITED, VIBRATED AND CURED IN ACCORDANCE WITH ACT STANDARD 318-89.
3. STRIPPING FORMS AND SHORES SHALL BE AS FOLLOWS

FOUNDATIONS	1 DAY
COLUMNS & WALLS	3 DAYS
BEAMS & GIRDER	21 DAYS
SLABS	17 DAYS

4. CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION RE-HANDLING OR FLOWING, PLACING- SHALL BE DONE PREFERABLY WITH BUGGIES BUCKETS OR WHEEL BARROWS. NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUGGIES, WHEELBARROWS, OR BUCKETS IN WHICH CASE THEY SHALL NOT EXCEED 600m IN AGGREGATE LENGTH, NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATOR - UNLESS AUTHORIZE IN WRITING BY THE DESIGNERS AND ONLY FOR USUAL CONDITIONS WHERE VIBRATOR IS EXTREMELY DIFFICULT TO ACCOMPLISH.

BEAMS & GIRDERS:

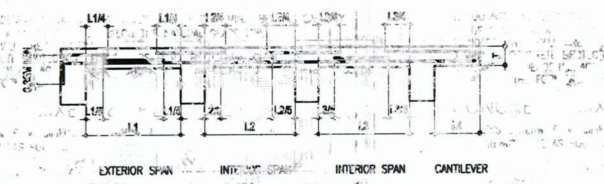
1. CAMBERS ALL BEAMS AND GIRDERS AT LEAST 62mm. FOR EVERY 3.00 m. OF SPAN.
2. FOR TWO OR MORE LAYERS OF REINFORCING BARS, USED SEPARATOR SPACED AT 0.914 M. O.C AND IN NO CASE SHALL BE LESS THAN TWO (2) SEPARATORS.
3. NO SPLICE SHALL BE PERMITTED ON BEAMS AND GIRDERS WHERE CRITICAL BENDING STRESSES OCCUR TENSION SPLICE SUPERMITTED SHALL BE 48 DIAMETER FOR PLAIN BARS AND 24 DIAMETER FOR DEFORMED BARS, COMPRESSION SPLICE SHALL BE 40 DIA. FOR PLAIN BARS FOR PLAIN BARS AND 20 DIA. FOR DEFORMED BARS LAP SPLICES SHALL BE WIRED TOGETHER SPLICE TOP BARS AT MID SPAN BOTTOM BARS AT SUPPORT BENT BARS AT BEND POINTS IN SUPERSTRUCTURE WELDED SPLICES SHALL BE DEVELOPED INTENSION AT LEAST 125 ø OF THE SPECIFIED YIELD STRENGTH OF THE BAR NOT MORE THAN 50 % OF THE BARS AT ANY ONE SECTION SHALL BE PERMITTED TO BE SPLICED.
4. IF BEAM REINFORCING BARS END IN A WALL THE CLEAR DISTANCE FROM THE BAR TO THE FURTHER FACE OF THE WALL SHALL NOT BE LESS THAN 0.051m EMBEDMENT LENGTH SHALL BE 40. DIA FOR TENSION AND 20 DIA. COMPRESSION BARS.
5. MINIMUM CONCRETE PROTECTION REINFORCING BARS OR SHAPE SHALL BE AS SHOWN



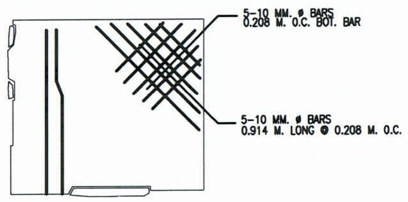
6. UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS, CAMBER ALL BEAMS AND GIRDERS AT LEAST 62 mm FOR EVERY 3.00m OF SPAN EXCEPT CANTILEVERS FOR WHICH THE CAMBERS SHALL BE AS NOTED IN THE PLANS OR ORDERED THE DESIGNER, BUT IN NO CASE LESS THAN 6.7mm. FOR EVERY 3.00M OF FREE SPAN.

CONCRETE SLABS:

1. ALL REINFORCEMENT SHALL BE 0.019m CLEAR MINIMUM FROM TOP AND BOTTOM OF SLAB.
2. FOR TWO- WAY SLAB BARS ALONG SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONGER SPAN AT CENTER AND OVER THE LONGER SPAN BARS NEAR THE SUPPORT UNLESS OTHERWISE INDICATED OR SHOWN IN DETAILS THE SPACING OF THE BARS AT THE COLUMN STRIPS CAN BE APPROXIMATELY 1-1/3 OF THE MIDDLE STRIPS BUT IN NO CASE GREATER THAN 2-1/3 TIMES THE SLAB THICK.
3. UNLESS OTHERWISE SHOWN IN DETAIL FOR ONE WAY SLAB, REINFORCING BARS SHALL BE BEND, EXTENDED OR CUT AS FOLLOWS. NO CASE LESS THAN 6.7mm. FOR EVERY 3.00M. OF FREE SPAN.



4. TEMPERATURE BARS FOR SLAB SHALL BE GENERALLY PLACED NEAR THE TENSION FACE AND SHALL NOT BE LESS THAN 25MIN. BOTTOM.
5. UNLESS OTHERWISE NOTED, ALL BEDDED SLAB SHALL BE REINFORCED WITH 010 BAR AT 0.25M.O.C.E.W AT CENTER OF SLAB CONSTRUCTION JOINTS FOR SLAB SHALL NOT BE MORE THAN 3.00M APART.
6. PROVIDE EXTRA REINFORCEMENT AT CORNER SLAB (TWO ADJACENT DISCONTINUOUS EDGE) AS SHOWN BELOW.



7. PROVIDE SUPPLEMENTARY REINFORCEMENT AS SMALL UNFRAMED OPENING IN FLOOR SLAB AS SHOWN BELOW

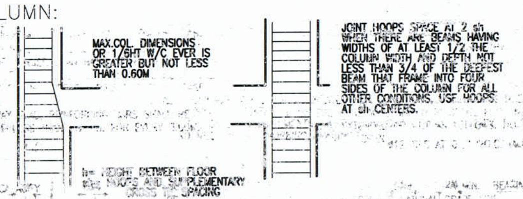
CONCRETE HOLLOW BLOCKS:

REINFORCEMENT AS TABULATED BELOW SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED IN THE PLAN

CONCRETE HOLLOW BLOCKS REINFORCEMENT

BLOCK THK.	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
0.76 M	ø 10 AT 0.60 M	ø 10 AT 0.60 M	A. MIN.SPLICE AT LAP=0.25M B. PROVIDE RIGHT ANGLE REINFORCEMENT AT CORNER 0.194M. LONG C. WHERE CHB WALLS ADJOINING COL. R.C.BEAMS WALL DOWELS W/ SAME SIZE AS VERT. OR HOR. REINF. SHALL BE PROVIDED
0.100 M	ø 10 AT 0.60 M	ø 10 AT 0.60 M	
0.150 M	ø 10 AT 0.60 M	ø 10 AT 0.60 M	
0.200 M	ø 12 AT 0.60 M	ø 10 AT 0.60 M	

CONCRETE COLUMN:



... SHALL BE OFF-SET ... A SLOPE ... MORE THAN ... EXTRA ... SHALL BE PROVIDED THROUGHOUT THE OFF-SET REGION.

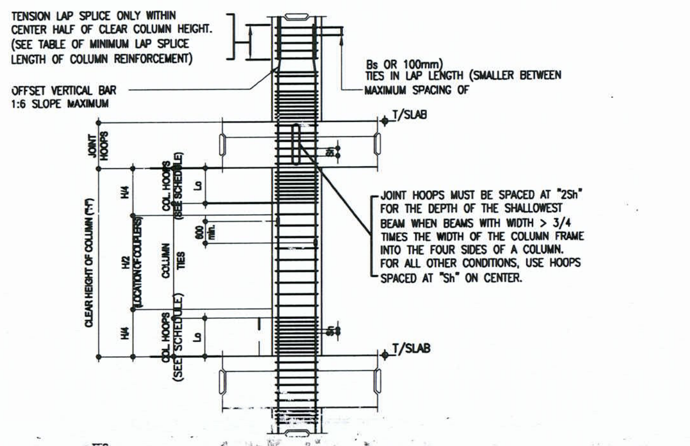
MILD STEEL REINFORCEMENT:

1. ALL MILD STEEL REINFORCEMENT SHALL CONFORM TO ... A-15-... -21 AND DEFORMATIONS TO A ... -56T OR LATEST REVISIONS.
2. DEVELOPMENT LENGTH FOR ALL BARS SHALL BE A MINIMUM OF 40 BARS DIA. UNLESS OTHERWISE SPECIFIED.

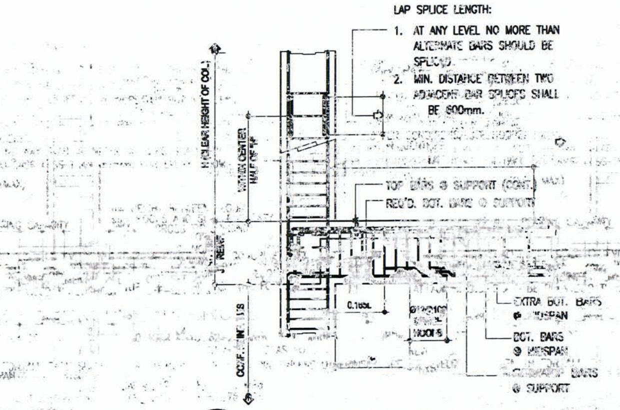
BAR ≤ ø12 ; Fy= 225 MPa
BAR ≥ ø16 ; Fy= 275 MPa

STRUCTURAL STEEL:

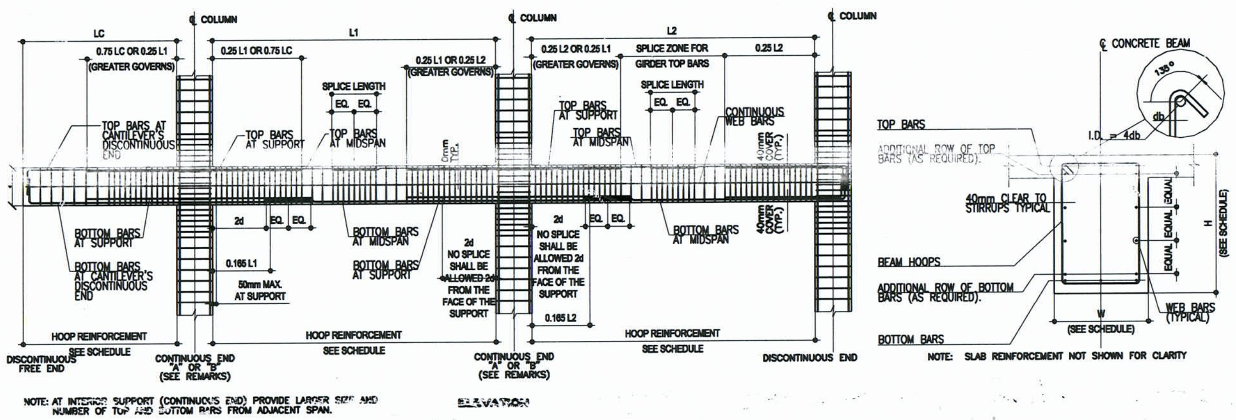
1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 Fy= 36,000 PSI
2. WELDING SHALL CONFORM TO AWS STANDARDS .
3. FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE ENGINEER AND THE OWNER PRIOR TO FABRICATION.



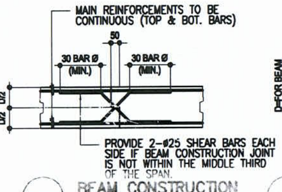
NOTES:
Sh = HOOP AND SUPPLEMENTARY CROSSTIE SPACING NOT TO EXCEED Bs/4 OR 100m.
S = COLUMN TIE SPACING, NOT TO EXCEED 16db OF VERTICALS, 48db OF TIES, Bs OR 150mm, WHICHEVER IS SMALLER.
Bs = SMALLER DIMENSION OF COLUMN CROSS SECTION.
Lo = LARGEST COLUMN DIMENSION, 1/6 OF CLEAR HEIGHT OR 450mm, WHICHEVER IS GREATER.
H = CLEAR HEIGHT OF COLUMN.



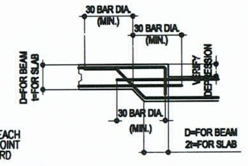
COLUMN LAP SPLICE AND EXT. BEAM TO COLUMN CONN. DETAIL



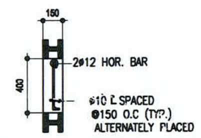
TYPICAL REINFORCED CONCRETE BEAM DETAIL



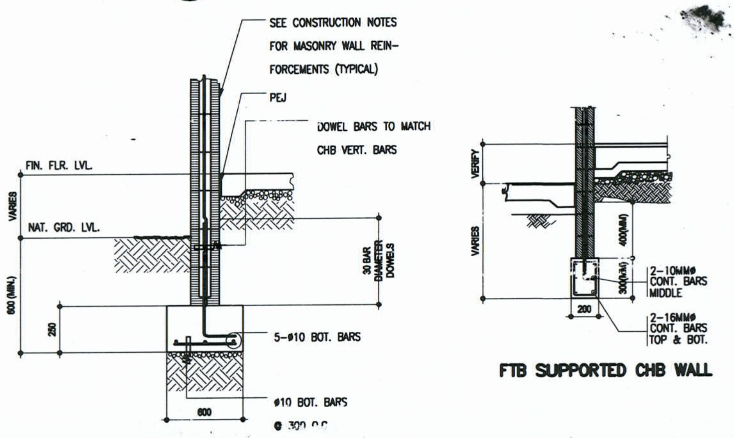
BEAM CONSTRUCTION JOINT DETAIL



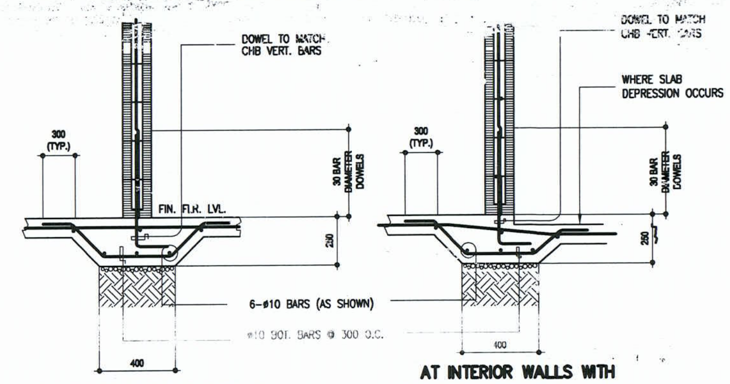
BEAM/SLAB CHANGE SOFFIT



TYP.CHB STIFFENER BEAM DETAIL

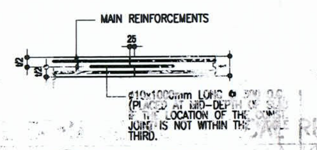


FTB SUPPORTED CHB WALL

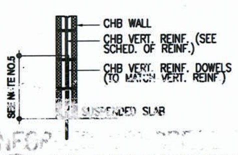


AT INTERIOR CHB WALLS (WF2)

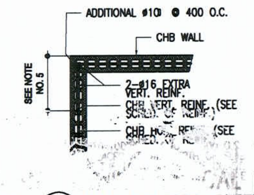
AT INTERIOR WALLS WITH SLAB ELEVATION DIFFERENCE (WF1)



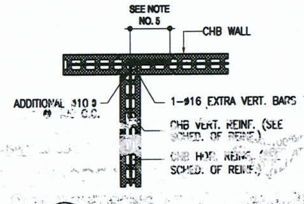
SUSPENDED SLAB CONSTRUCTION JOINT DETAIL



WALL BASE REINFORCING AT FLAT FLOOR

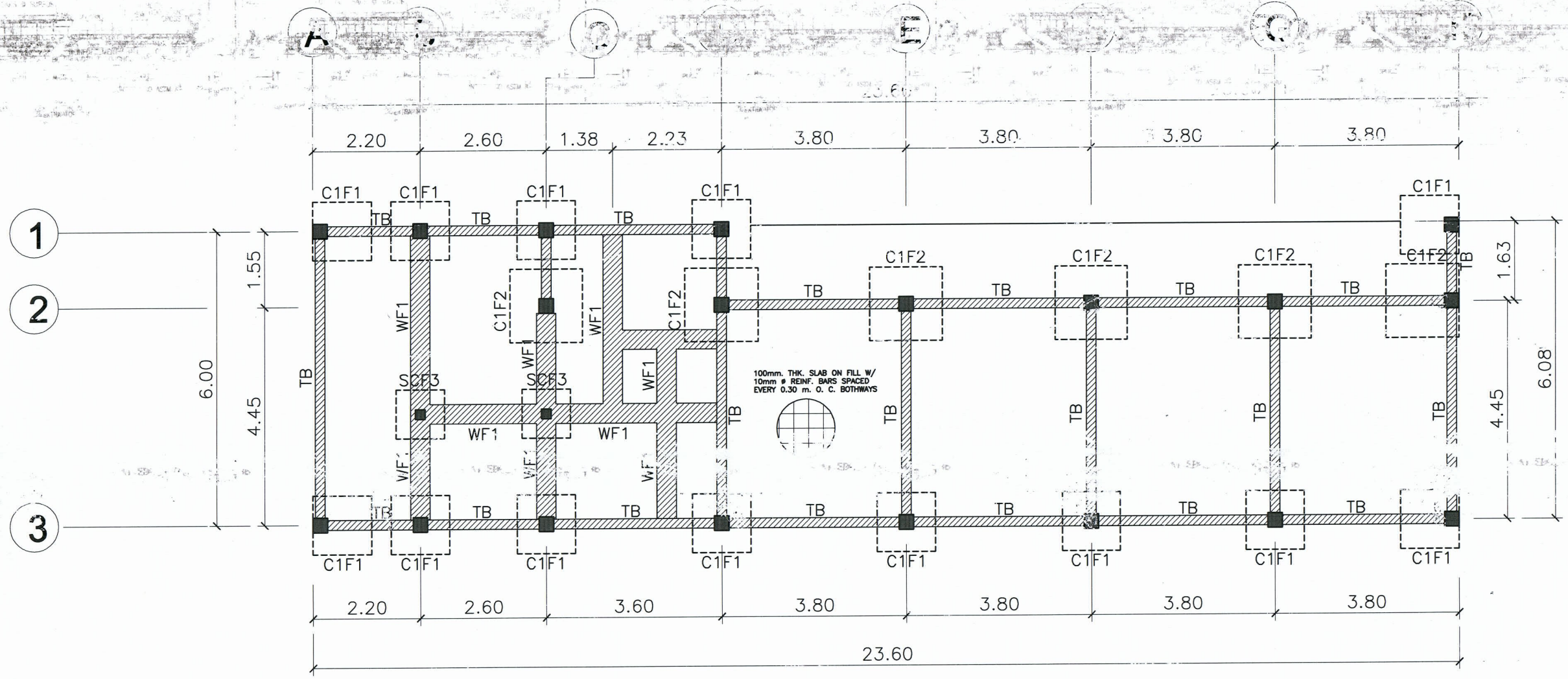


WALL REINFORCING AT CORNERS



WALL REINFORCING AT INTERSECTION

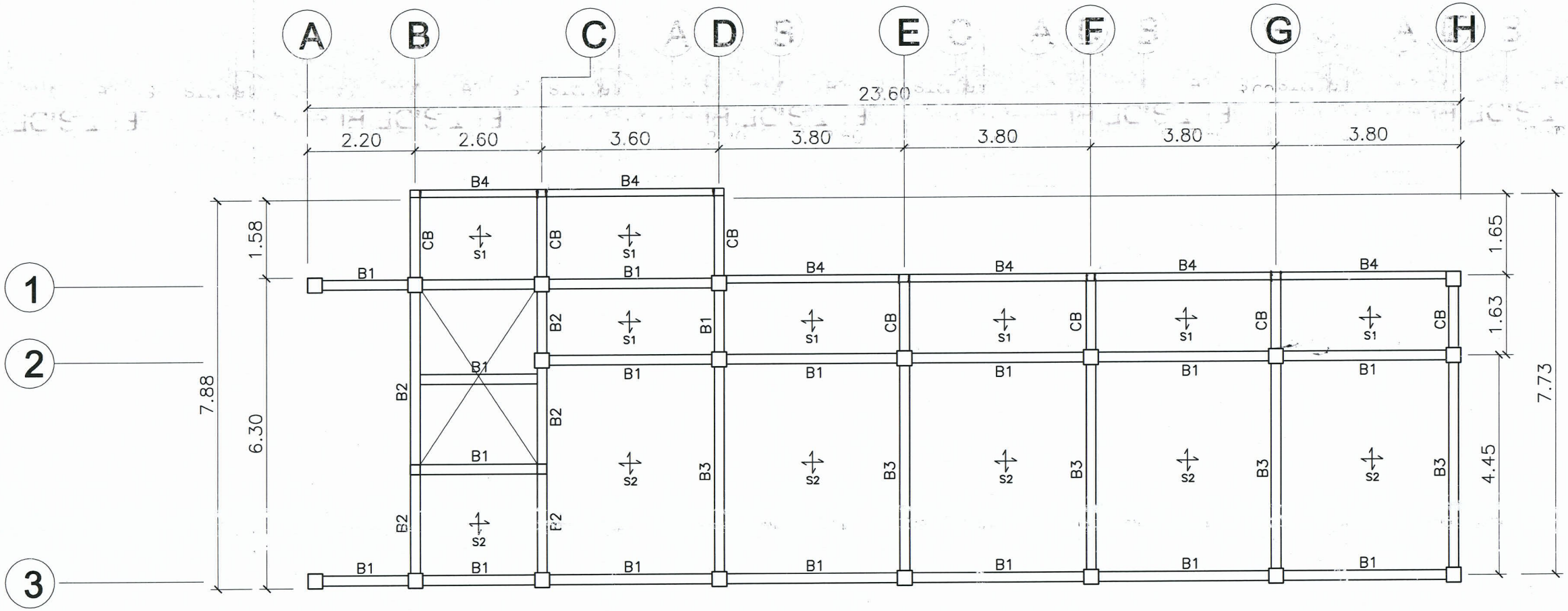
PREPARED BY:		CIVIL ENGR:	REVIEWED BY:	ENDORSED BY:		APPROVED BY:	PROJECT TITLE/ LOCATION:		SHT. NO:
J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S - 1



1 / S2 FOUNDATION PLAN

SCALE 1 : 100 MTS.

PREPARED BY:	END USER:	CIVIL ENGR:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT. NO:
J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S – 2

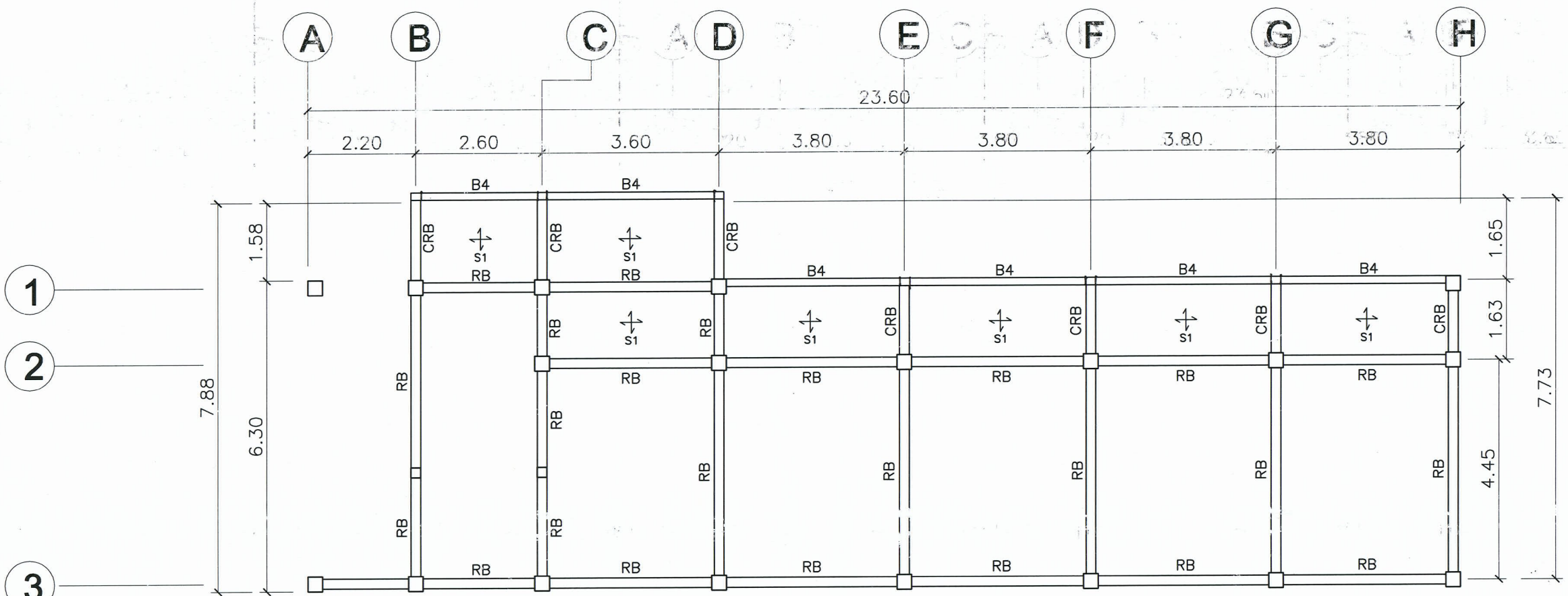


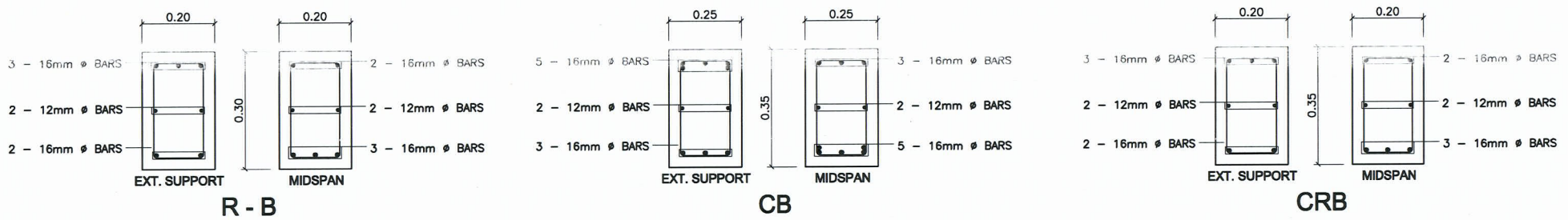
1 / S3

SECOND FLOOR BEAM FRAMING PLAN

SCALE 1 : 100 MTS.

PREPARED BY:	END USER:	CIVIL ENGR:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. L. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S – 3



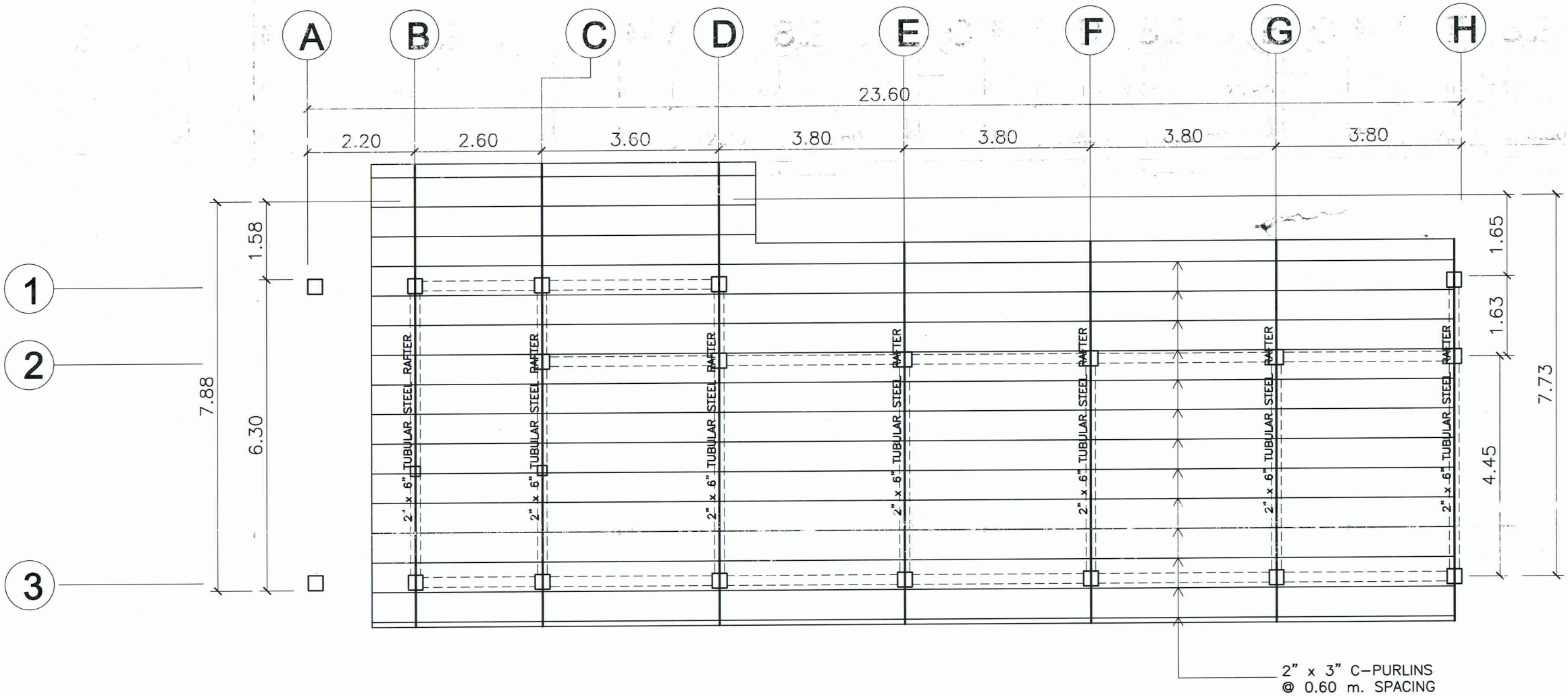


1 / S4 SCALE

ROOF BEAM FRAMING PLAN

1 : 100 MTS.

PREPARED BY:	END USER:	CIVIL ENGR:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DILLOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPAS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S - 4



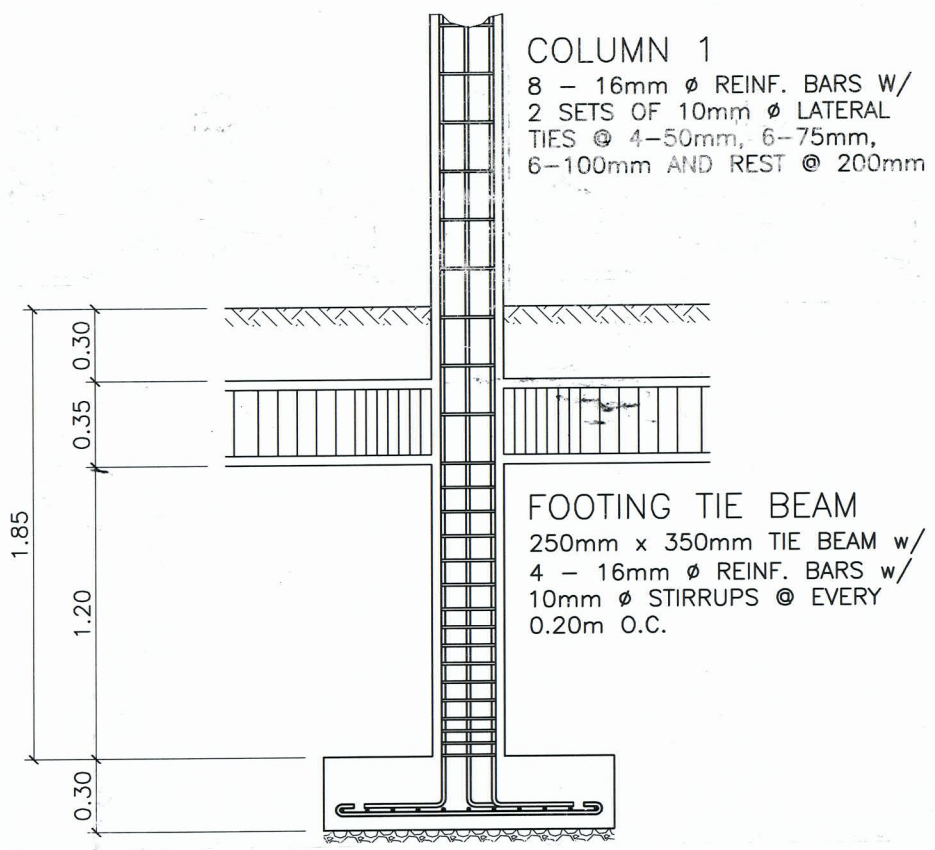
1/S5 SCALE

ROOF BEAM FRAMING PLAN

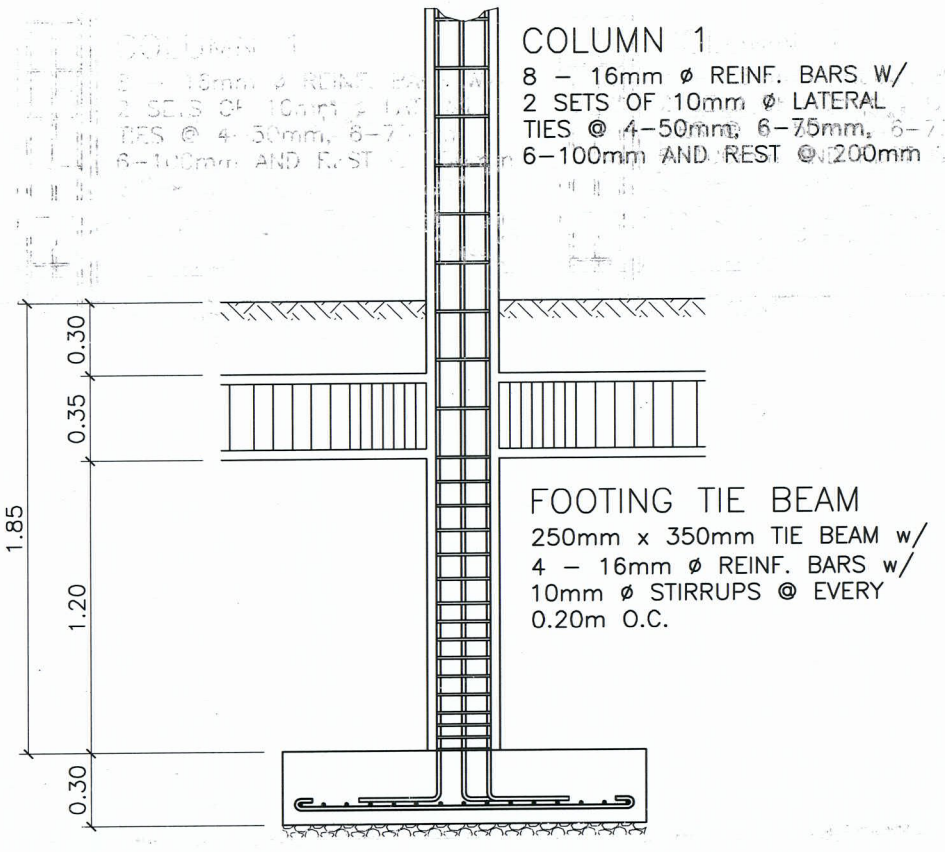
1 : 100 MTS.

	PREPARED BY:	END USER:	CIVIL ENGR:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
	J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S - 5

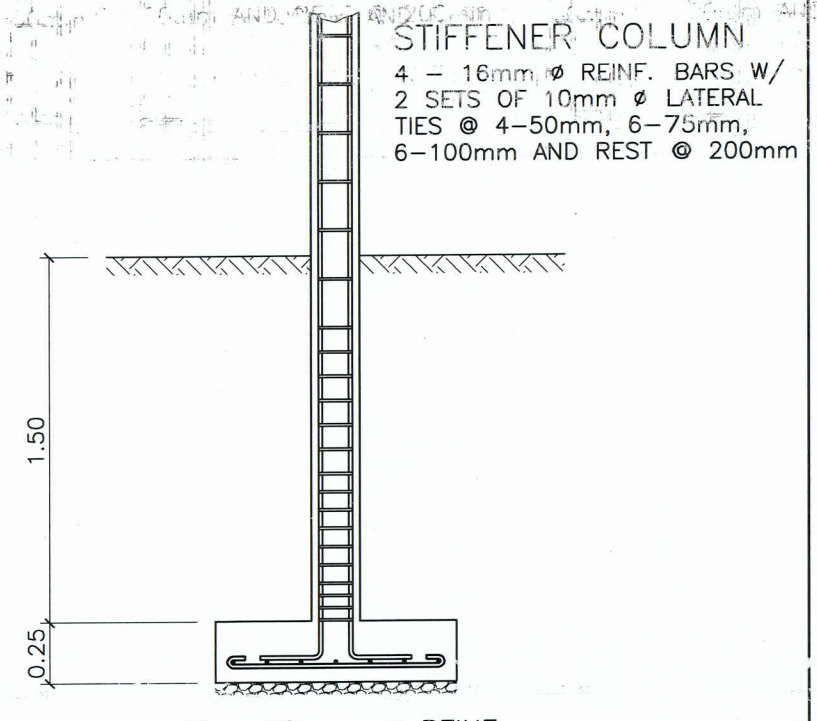
NOTE:
PROVIDE 50mm GRAVEL BEDDING



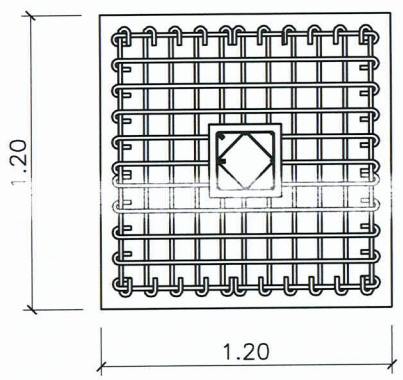
11 – 16 mm ø REINF.
BARS O. C. B. W.
FOOTING 1



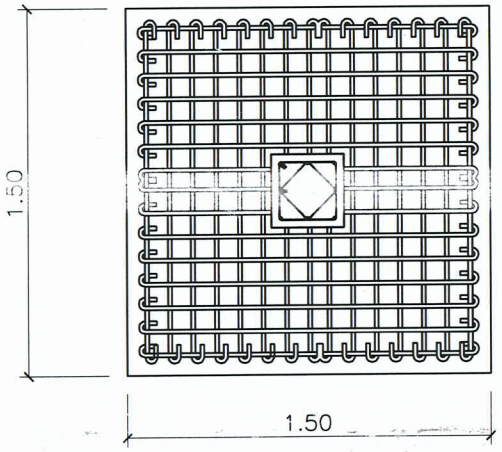
15 – 16 mm ø REINF.
BARS O. C. B. W.
FOOTING 2



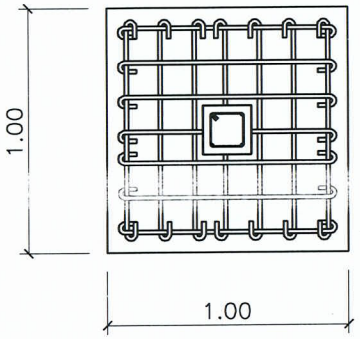
7 – 16 mm ø REINF.
BARS O. C. B. W.
FOOTING 3



FOOTING 1



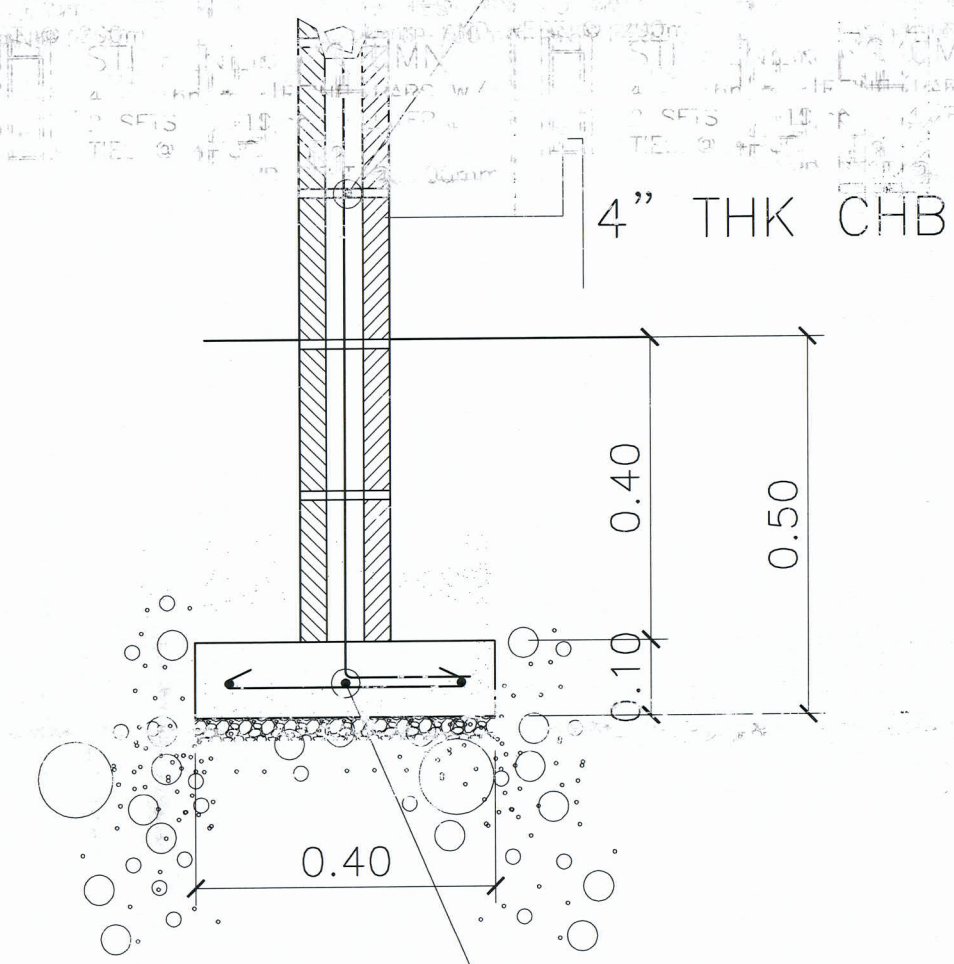
FOOTING 2



FOOTING 3

1/S6 DETAILS OF COLUMN AND COLUMN FOOTING
SCALE 1 : 30 MTS.

PREPARED BY:	END USER:	CIVIL ENGR:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S – 6



WF1

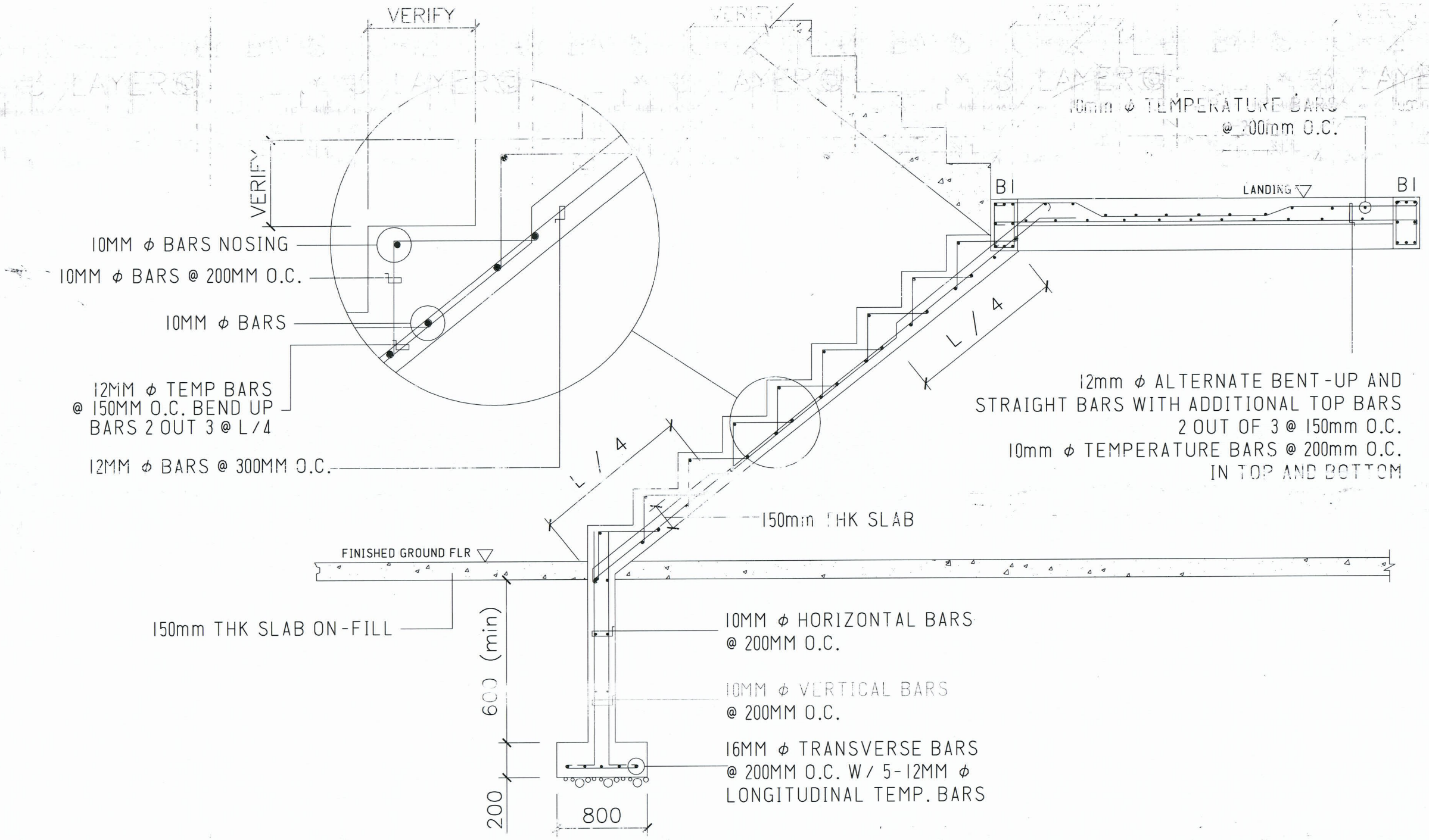
NOTE: PROVIDE 50mm THK.
GRAVEL FILLING

3 – 10mm ø HORIZ. BARS W/
10mmø TRANSVERSE BARS @
EVERY .3m O.C. USE # 16 G.I TIE
WIRE

1 / S7 DETAILS OF WALL FOOTINGS

SCALE 1 : 10 MTS.

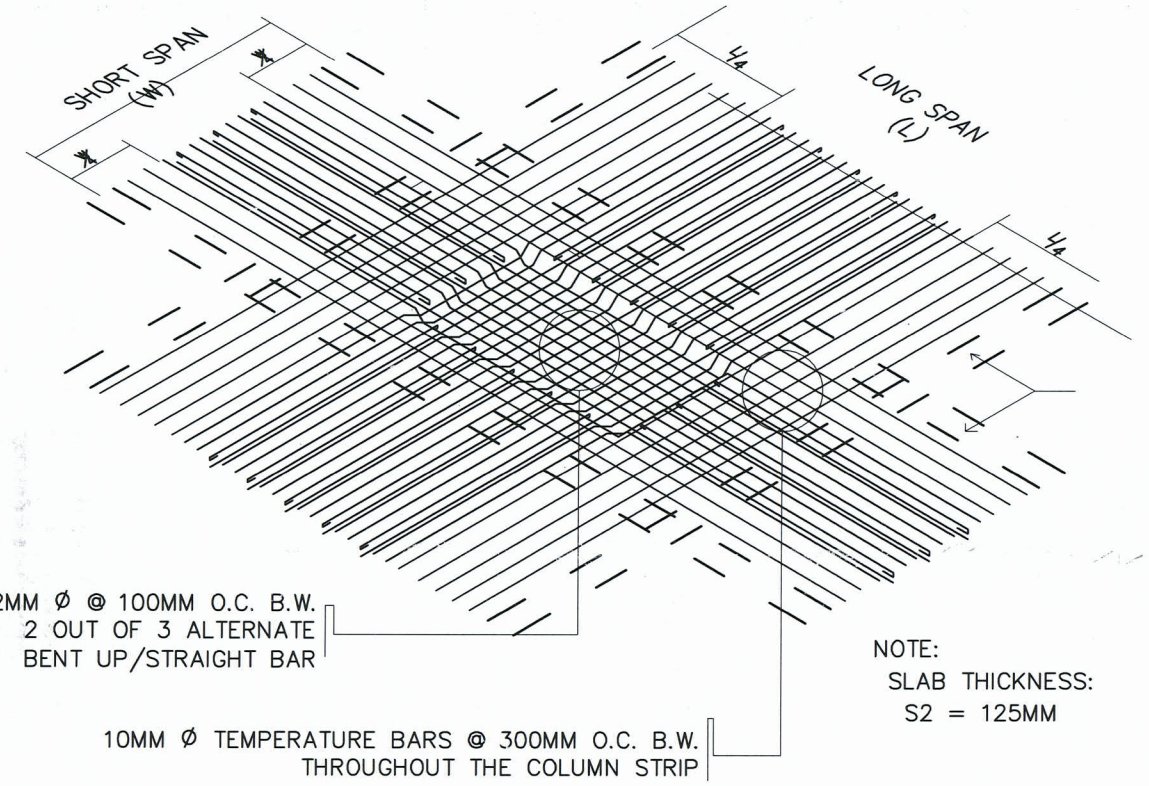
PREPARED BY:	ENDORSED:	CIVIL ENGR:	REVIEWED:	ENDORSED BY:		APPROVED BY:	LOCATION:	PROJECT:	SHT. NO:
J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S – 7



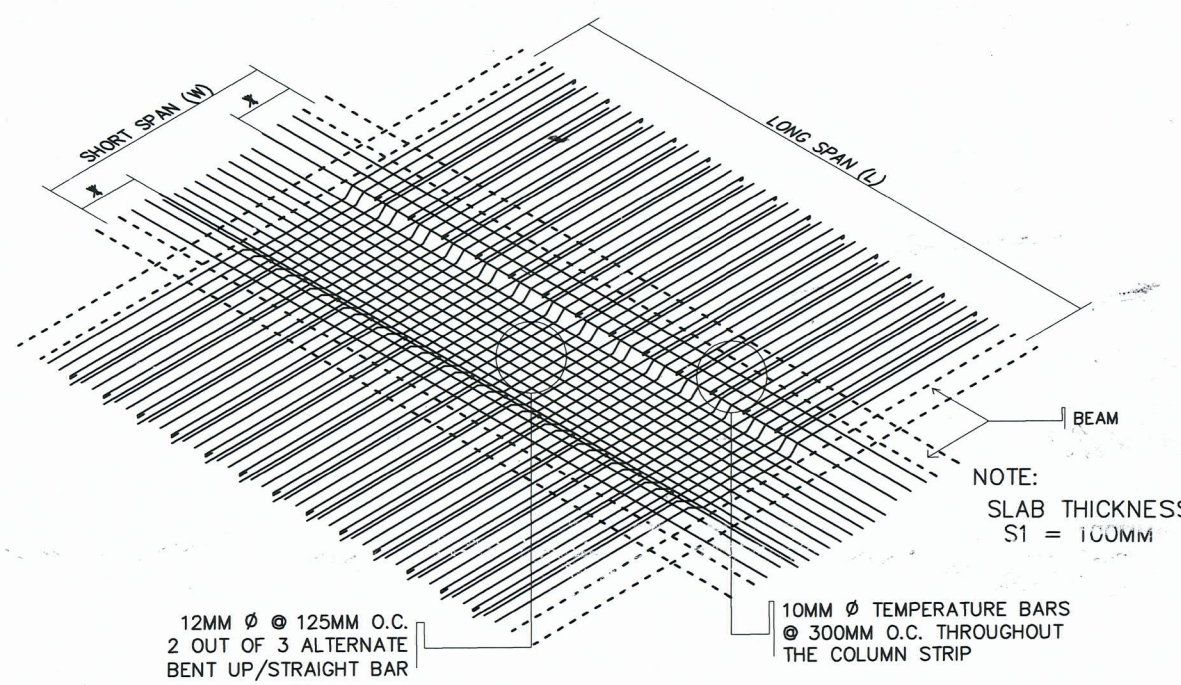
1 / S8 DETAILS OF STAIRCASE

SCALE N.T.S.

PREPARED:	END USER:	CIVIL ENGR:	MEP ENGR:	ENDORSED:	RECOMMENDING APPROVAL:	APPROVED:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI- PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S – 8



TWO - WAY SLAB



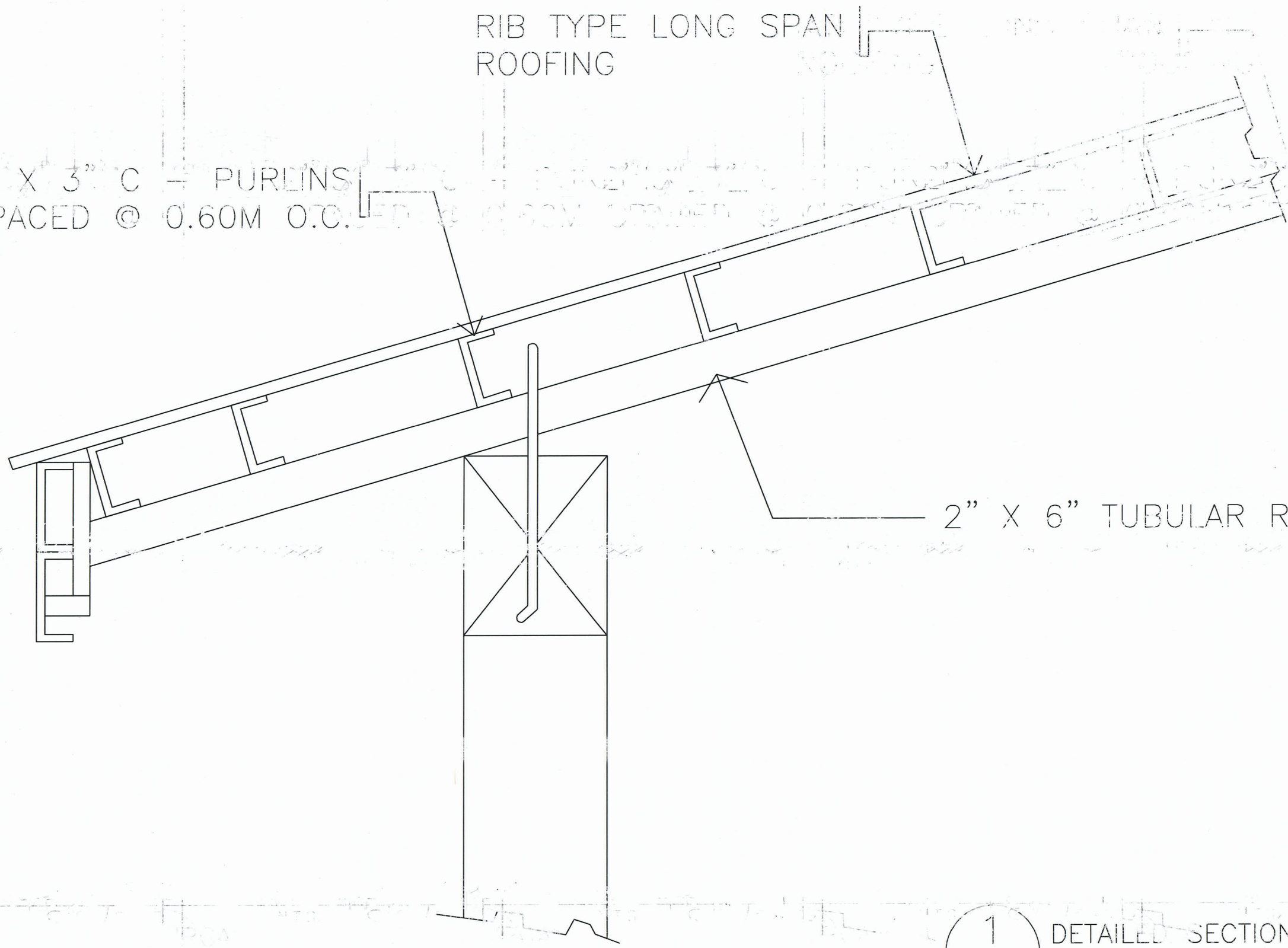
ONE - WAY SLAB

1
S9 SCALE

DETAILS OF SLAB REINFORCEMENT

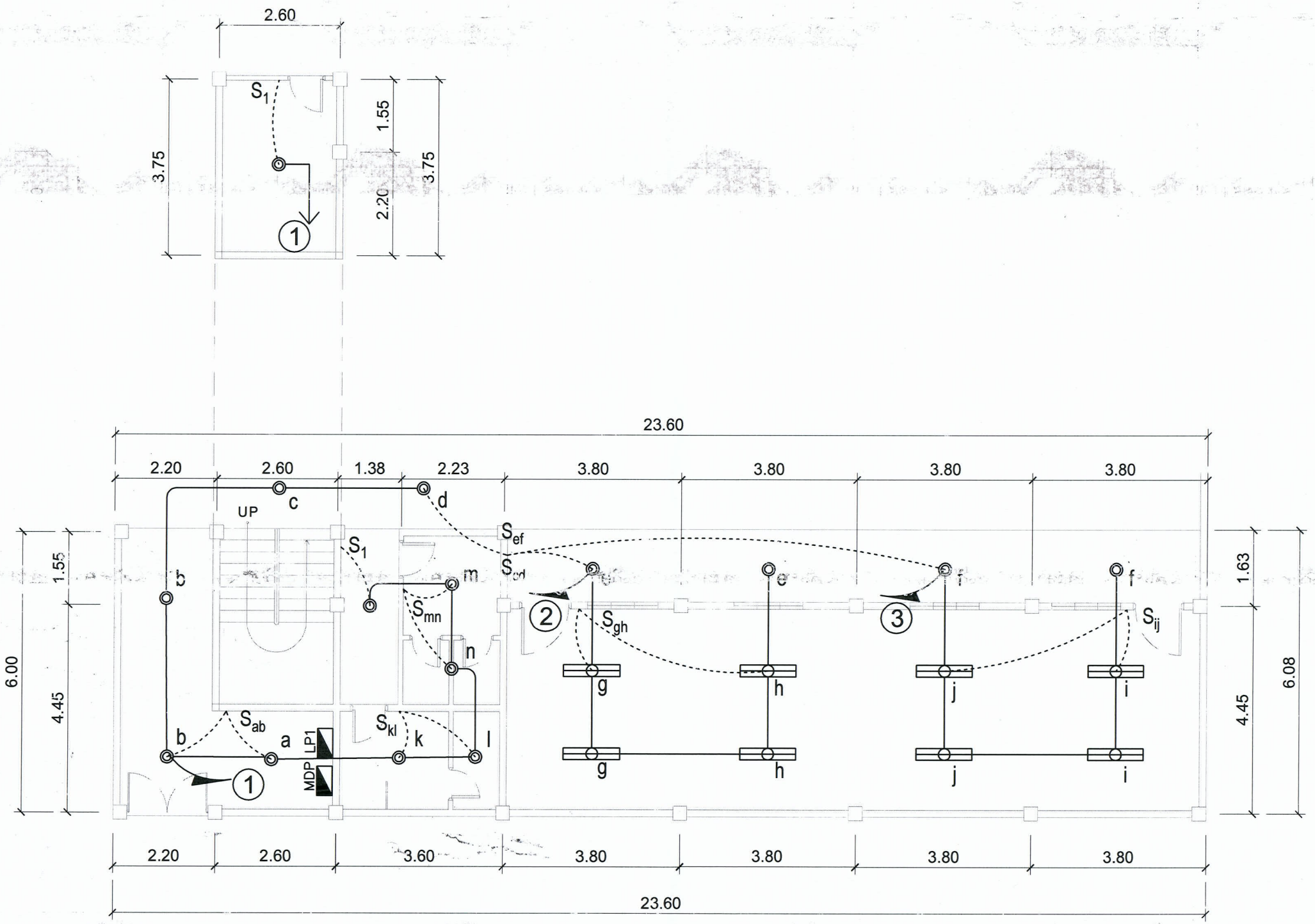
N.T.S.

PREPARED BY:	END USER:	CIVIL ENGR:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
J. D. ESCAÑO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S – 9



1 / S10 DETAILED SECTION OF RAFTERS
SCALE N.T.S

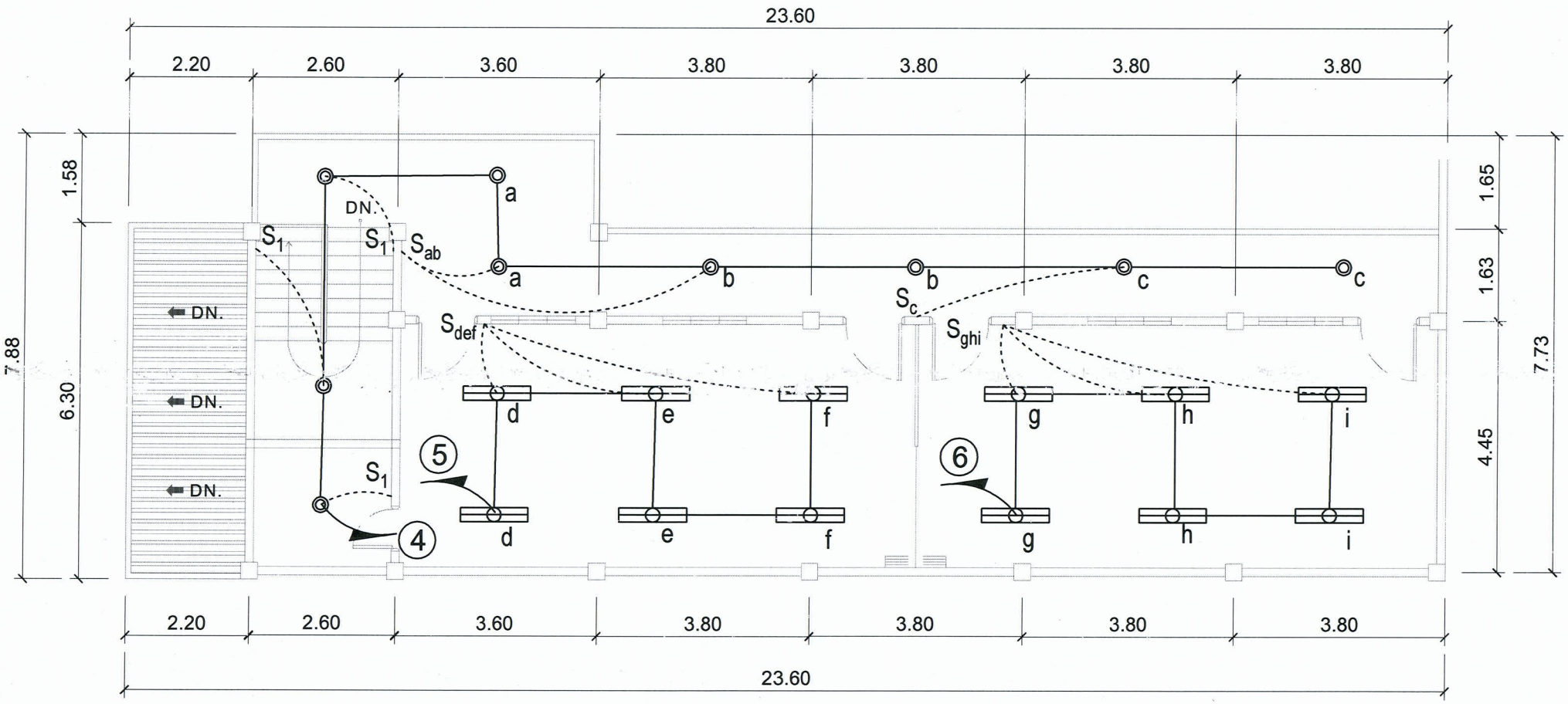
	PREPARED BY:	ENDORSED BY:	CIVIL ENGR:	REVIEWED BY:	ENDORSED BY:		APPROVED BY:	PROJECT LOCATION:	MPC	SHT NO:
	J. D. ESCANO PPU OVPPD	T. C. LOPEZ DEAN TANZA CAMPUS	L. E. ROCELA PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA VPPD CVSU	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING AT CVSU TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	S – 10



GROUND FLOOR LIGHTING LAYOUT

SCALE: MTS 1:100 MTS

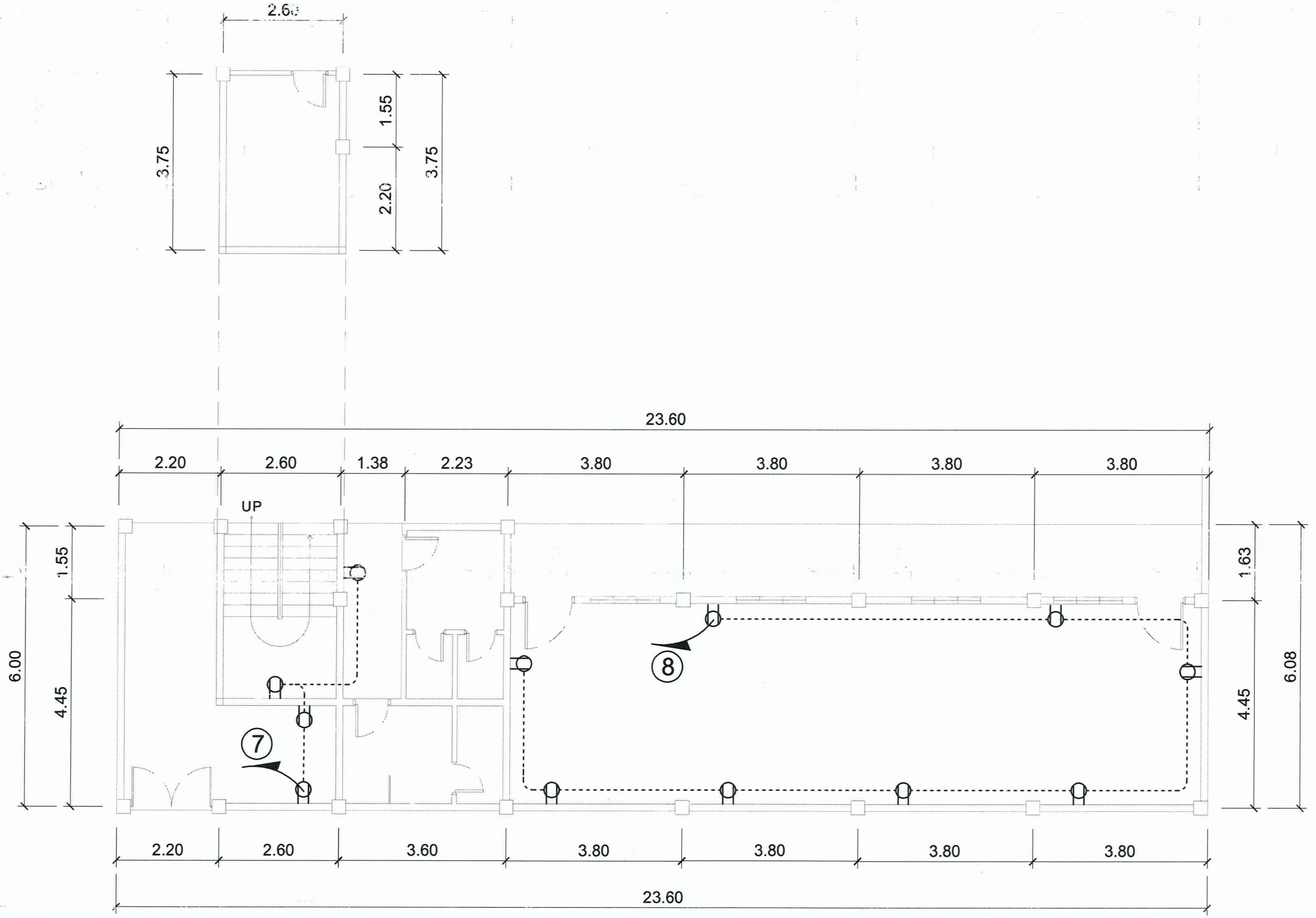
	PREPARED BY:	PROF. ELECTRICAL ENGR:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
	R.J. R. SANCHEZ PPU OVPPD	R. P. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA OIC OVPPD	C. A. PULINGA VPASSS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	E – 1



SECOND FLOOR LIGHTING LAYOUT

SCALE: 1:100 MTS

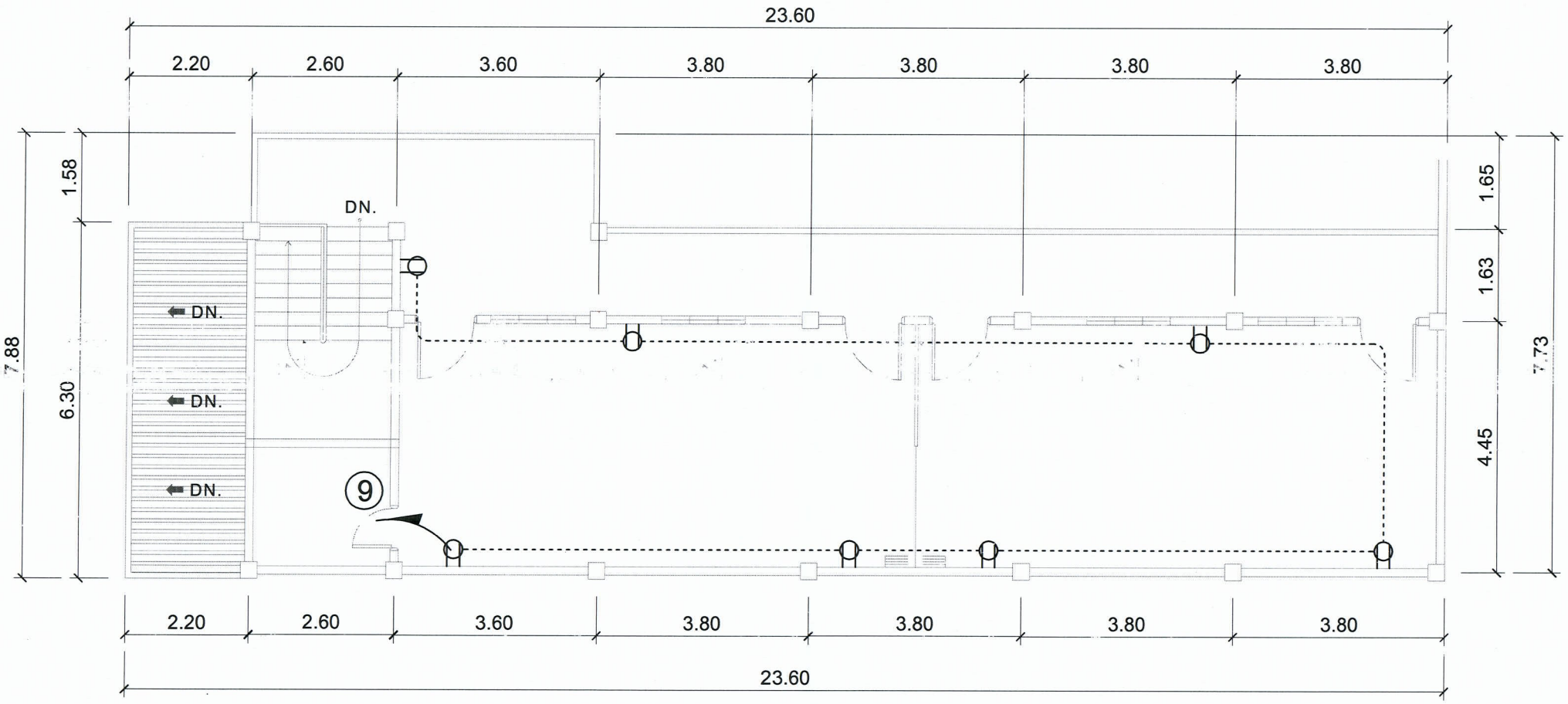
	PREPARED BY:	PROF. ELECTRICAL ENGR.	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
	R.J. R. SANCHEZ PPU OVPPD	R. P. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA OIC OVPPD	C. A. POLINGA VPAS& CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	E – 2



GROUND FLOOR POWER LAYOUT

SCALE: 1:100 MTS

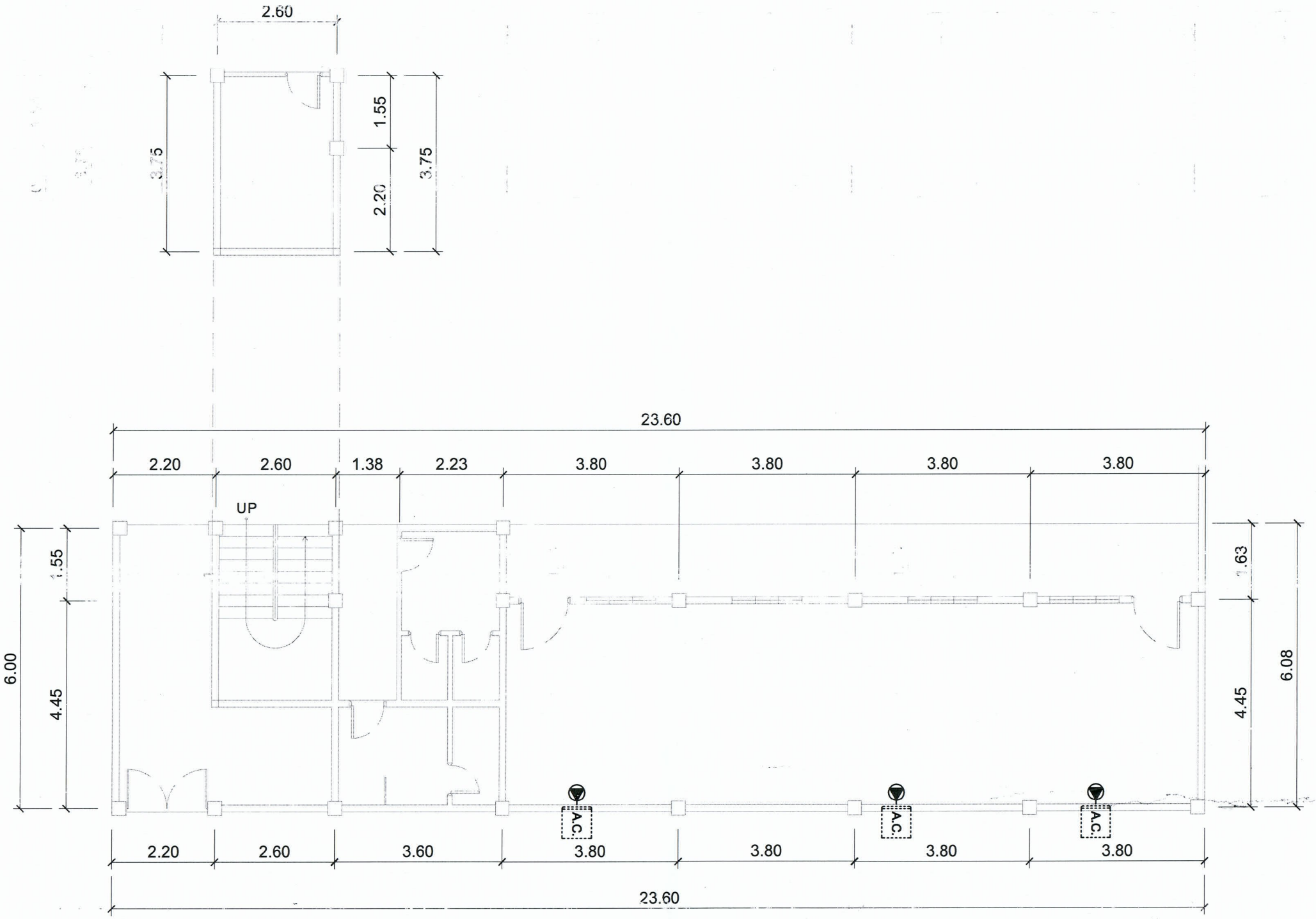
PREPARED BY:	PROF. ELECTRICAL ENGR:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
R. R. SANCHEZ PPU OVPPD	R. P. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS PPU OVPPD	C. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA OIC OVPPD	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	E – 3



SECOND FLOOR POWER LAYOUT

1 — SCALE: 1:100 MTS

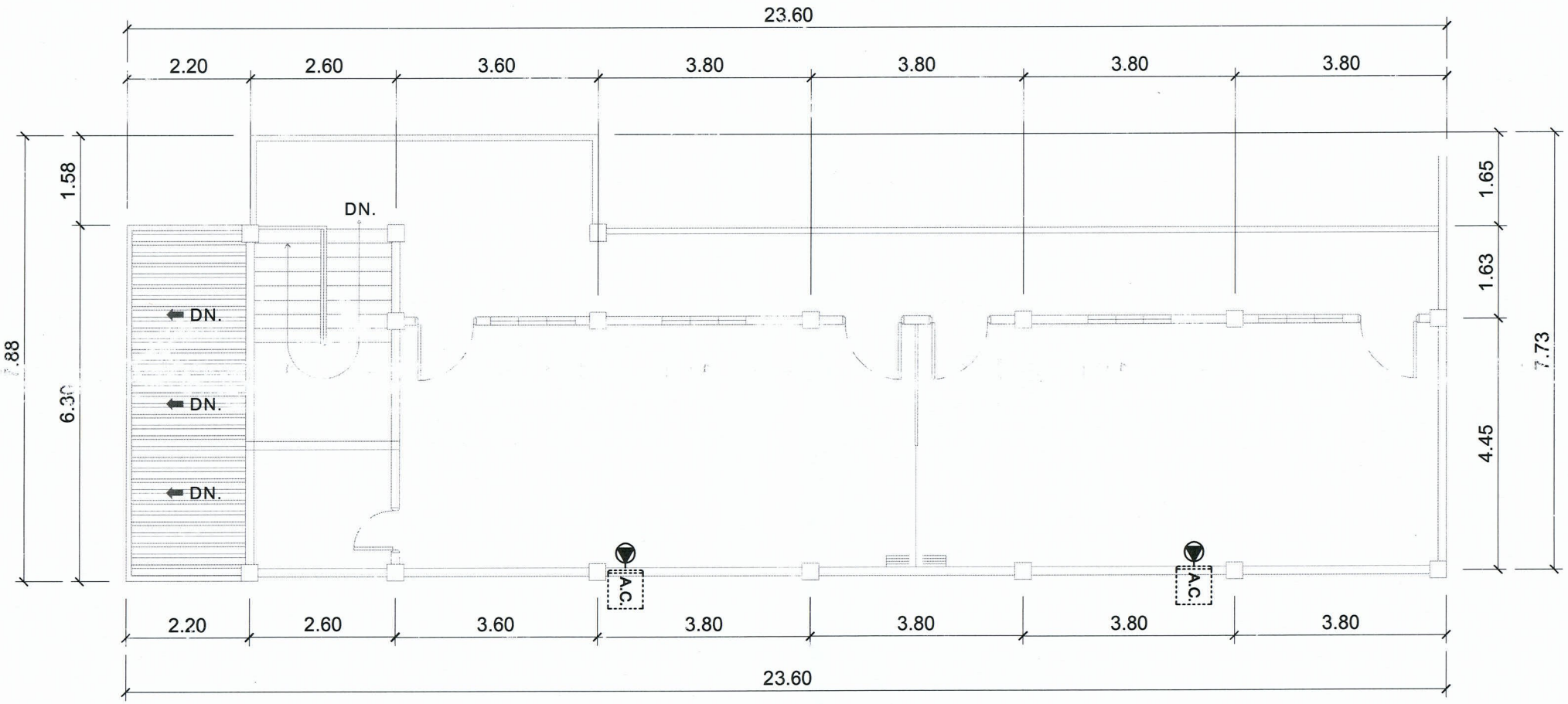
	PREPARED BY:	PROF. ELECTRICAL ENGR:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
	R.J. R. SANCHEZ PPU OVPPD	R. P. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA OIC OVPPD	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	E – 4



GROUND FLOOR
ACU LAYOUT

SCALE: TS 1:100 MTS

	PREPARED BY:	PROF. ELECTRICAL ENGR.	END USER:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
	R.J. R. SANCHEZ PPIJ OVPPD	R. P. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS / O. B. DELOS REYES PPU OVPPD / DIRECTOR PLANNING OFFICE	M.J. D. TEPORA OIC OVPPD	C. A. POLINGA VPASS CVSU	D. ROBLES PRES CVSU	PROPOSED MULTI--PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	E -- 5



SECOND FLOOR A/C LAYOUT

SCALE: 1:100 MTS

PREPARED BY:	PROF. ELECTRICAL ENGR:	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
R.J. R. SANCHEZ PPU OVPPD	E. P. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA OIC OVPPD	C. A. TOLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	E – 6

SCHEDULE OF LOADS & COMPUTATIONS

NAME OF PANEL BOARD :	LIGHTING AND POWER PANEL 1 (LP1)					PHASE: SINGLE PHASE		
LOCATION :	GROUND FLOOR, SECURITY AREA					VOLTAGE: 230V		
CIRCUIT NO.	DESCRIPTION	NO. OF OUTLET	VA RATING	V	AB AMPS	CB BOLT-ON	SIZE OF WIRE THHN-CU/ THW-CU (G)	SIZE OF CONDUIT	COLOR CODE
1	LIGHTING OUTLET	10	1000	230	4.35	15AT	2-2.0 mm^2	20 mm. ø PVC	1R,1B
2	LIGHTING OUTLET	06	600	230	2.61	15AT	2-2.0 mm^2	20 mm. ø PVC	1R,1B
3	LIGHTING OUTLET	06	600	230	2.61	15AT	2-2.0 mm^2	20 mm. ø PVC	1R,1B
4	LIGHTING OUTLET	08	800	230	3.91	15AT	2-2.0 mm^2	20 mm. ø PVC	1R,1B
5	LIGHTING OUTLET	06	600	230	2.61	15AT	2-2.0 mm^2	20 mm. ø PVC	1R,1B
6	LIGHTING OUTLET	06	600	230	2.61	15AT	2-2.0 mm^2	20 mm. ø PVC	1R,1B
7	CONVENIENCE OUTLET	04	720	230	3.13	20AT	2-3.5mm^2 ,(1-2.0 mm^2)G	20 mm. ø PVC	1R,1B,1G
8	CONVENIENCE OUTLET	07	1260	230	5.48	20AT	2-3.5mm^2 ,(1-2.0 mm^2)G	20 mm. ø PVC	1R,1B,1G
9	CONVENIENCE OUTLET	07	1260	230	5.48	20AT	2-3.5mm^2 ,(1-2.0 mm^2)G	20 mm. ø PVC	1R,1B,1G
10	ACU OUTLET	01	1492	230	12	30AT	2-5.5mm^2 ,(1-2.0 mm^2)G	20 mm. ø PVC	1R,1B,1G
11	ACU OUTLET	01	1492	230	12	30AT	2-5.5mm^2 ,(1-2.0 mm^2)G	20 mm. ø PVC	1R,1B,1G
12	ACU OUTLET	01	1492	230	12	30AT	2-5.5mm^2 ,(1-2.0 mm^2)G	20 mm. ø PVC	1R,1B,1G
13	ACU OUTLET	01	1492	230	12	30AT	2-5.5mm^2 ,(1-2.0 mm^2)G	20 mm. ø PVC	1R,1B,1G
14	ACU OUTLET	01	1492	230	12	30AT	2-5.5mm^2 ,(1-2.0 mm^2)G	20 mm. ø PVC	1R,1B,1G
	TOTAL		15000	230	92.79	200AT	2-80.0mm^2,(1-22.0 mm^2)G	40 mm. ø PVC	1R,1B,1G

MAIN FEEDER AND CURRENT PROTECTION COMPUTATION:

@ 80% DEMAND FACTOR

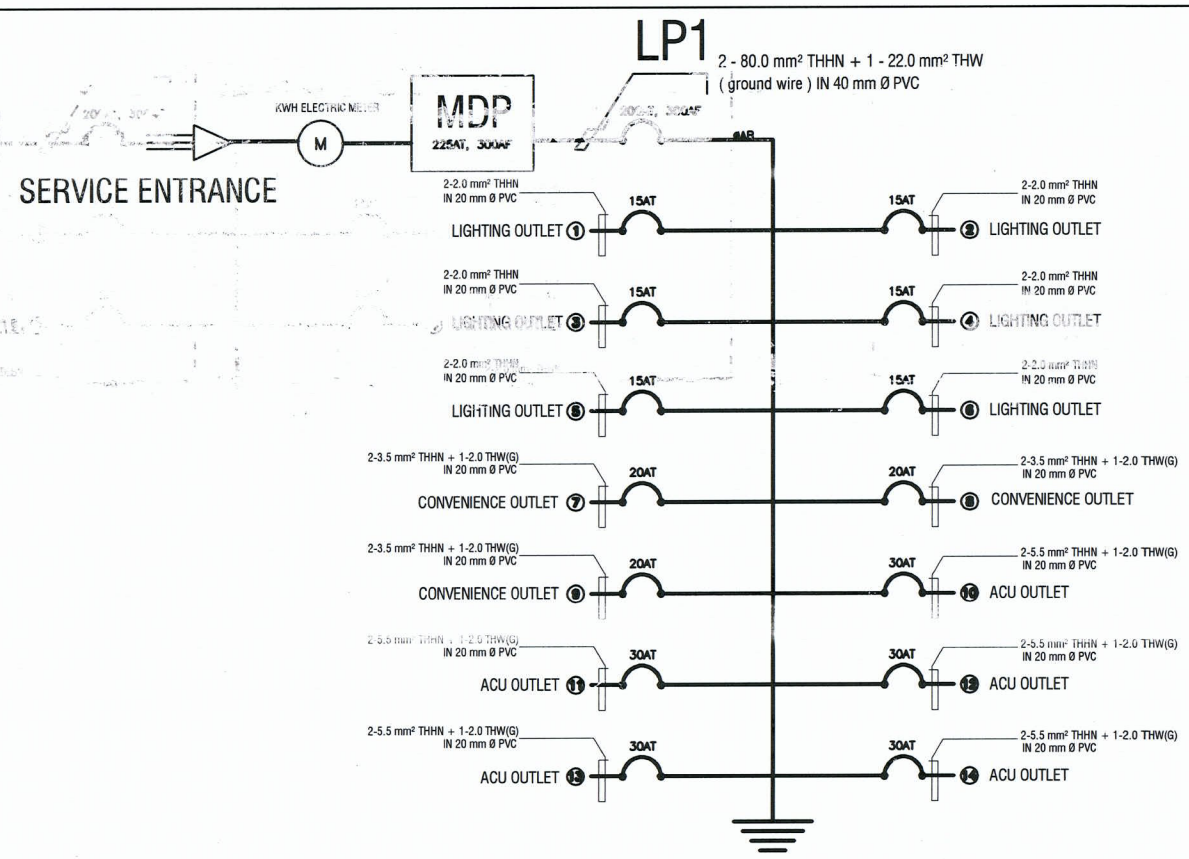
I_R = [92.79 + (25% x Im)] DF = 76.63 AMPERES

I_{CB} = [92.79 + (250% x Im)] DF = 98.23 AMPERES

USE : 2-80.0mm^2 THHN WIRE + 1-22.0mm^2 THW WIRE (G) IN 40 mm. ø PVC
MAIN : 200AT, 300AF, 2P, 230V, MCCB

NOTE:
This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited, except redesign of electrical load system will be done.

1G-GROUND
1R-COLOR RED
1B-COLOR BLACK



1 / E-7 LP1 RISER DIAGRAM

SCALE NTS

SCHEDULE OF LOADS & COMPUTATIONS

NAME OF PANEL BOARD :	MAIN DISTRIBUTION TRANSFORMER						PHASE: SINGLE PHASE		
LOCATION :	GROUND FLOOR						VOLTAGE: 230V		
CIRCUIT NO.	DESCRIPTION	PANEL CODE	VA RATING	V	AB AMPS	CB BOLT-ON	SIZE OF WIRE THHN-CU/ THW-CU (G)	SIZE OF CONDUIT	COLOR CODE
1	LIGHTING AND POWER PANEL 1	LP1	15000	230	92.79	200AT	2-80.0mm^2,(1-22.0 mm^2)G	40 mm. ø PVC	1R,1B,1G
2	FIRE ALARM SYSTEM PANEL	FACP	500	230	2.17	2.17	2-2.0 mm^2	20 mm. ø PVC	1R,1B
	TOTAL		15500	230	94.96	225AT	2-100.0mm^2,(1-30.0 mm^2)G	40 mm. ø RSC	1R,1B,1G

MAIN FEEDER AND CURRENT PROTECTION COMPUTATION:

@ 80% DEMAND FACTOR

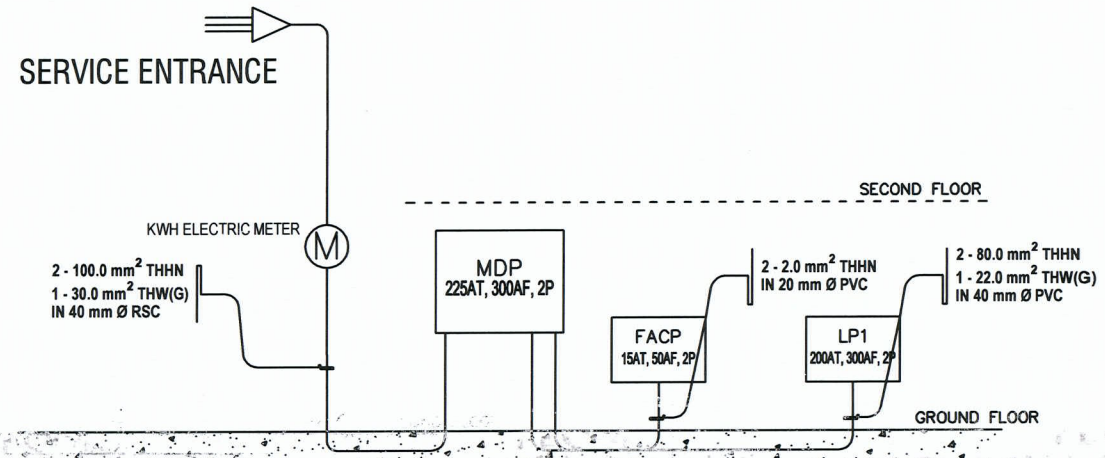
I_R = [94.96 + (25% x Im)] DF = 78.37 AMPERES

I_{CB} = [94.96 + (250% x Im)] DF = 98.37 AMPERES

USE : 2-100.0mm^2 THHN WIRE + 1-30.0mm^2 THW WIRE (G) IN 40 mm. ø RSC
MAIN : 225AT, 300AF, 2P, 230V, MCCB

Any additional electrical load connection in the future is prohibited, except redesign of electrical load system will be done.

1G-GROUND
1R-COLOR RED
1B-COLOR BLACK



2 / E-7 SINGLE LINE DIAGRAM

SCALE NTS

VERIFY HEIGHTS

PREPARED BY:	PROF. ELECTRICAL ENGR.	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
R.J. R. SANCHEZ PPU OVPPD	R. T. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. D. TEPORA OIC OVPPD	C. A. ROLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	E – 7

GENERAL NOTES AND SPECIFICATIONS :

1. ALL WORK HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
2. ELECTRICAL WORKS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRIC CODE, MUNICIPAL/CITY LAWS AND ORDINANCES AND THE REGULATIONS FO THE LOCAL POWER AND TELEPHONE COMPANY.
3. THE JOB SHALL BE EXECUTED IN THE MOST THOROUGH PROMPT AND WORKMANLIKE MANNER EMPLOYING STANDARD TOOLS, EQUIPMENT, METHODS AND GOOD ENGINEERING PRACTICE. THE JOB SHALL BE DONE IN ALL ASPECTS AS REQUIRED PER PLANS AND SPECIFICATIONS AND READY FOR OPERATION.
4. THERE SHALL BE ONLY ONE SERVICE DROP IN A BUILDING WITH 230 VOLTS, 2 WIRE (LINE) PLUS 1 WIRE (GROUND), SINGLE PHASE, 60 CYCLE.
5. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PERSENT A GENERAL LAYOUT AND BROAD OUTLINE/DESCRIPTION OF THE PROJECT, BUT DO NOT NECESSARILY INDICATE OR DESCRIBE ACTUAL LOCATIONS, LEVELS AND DISTANCES OF THE EQUIPMENT. THE CONTRACTOR IS HEREBY REQUIRED TO MAKE SUCH ADJUSTMENTS AT THE JOBSITE THAT ARE GOVERNED BY ACTUAL FIELD CONDITION.
6. SERVICE VOLTAGE TO THE BUILDING FROM THE POWER SOURCE SHALL BE 230V.
7. SERVICE ENTRANCE WIRING SHALL BE RIGID STEEL CONDUIT (RSC).
8. FEEDER WIRING SHALL BE ELECTRICAL METALLIC TUBING (EMT).
9. BRANCH CIRCUIT WIRING ELECTRICAL METALLIC TUBING (EMT).
10. BRANCH CIRCUIT WIRING EMBEDDED IN CONCRETE SHALL BE IN PVC PIPE WITH ADEQUATE GROUND WIRE FOR EQUIPMENT GROUNDING.
11. LIGHT SWITCHES SHALL BE 15A, 230VAC.
12. ALL MATERIALS SHALL BE BRAND NEW AND OF APPROVED TYPE FOR LOCATION AND PURPOSE INTENDED.
13. DEVICES, FIXTURES LOCATED OUTDOOR SHALL BE WEATHERPROOF TYPE.
14. MOUNTING HEIGHTS ARE:

A.	LIGHT SWITCHES	1.40M ABOVE FLOOR FINISH
B.	CONVENIENCE OUTLETS	0.30M ABOVE FLOOR FINISH
C.	C.O. COUNTER TOP	0.30M ABOVE THE COUNTER
D.	TELEPHONE OUTLETS	0.30M ABOVE FLOOR FINISH
E.	PANEL BOARD	1.50M ABOVE FLOOR FINISH
F.	EMERGENCY LIGHT	0.30M BELOW CEILING LINE

15. ANY DESCRIPANCY BETWEEN THE PLANS AND SPAECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR DECISION.
16. THE ENTIRE WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION OF DULY REGISTERED ELECTRICAL ENGINEER.
17. REFER TO SHEETS E-1 TO E-6 FOR EXACT NUMBER AND LOCATION OF DEVICES/EQUIPMENT FOR ELECTRICAL SYSTEM. ANY CONFLICT ON QUANTITY AND/OR LAYOUT MUST BE VERIFIED AND CONFIRMED TO DESIGNER/CONSULTANT.
18. REFER TO LOAD SCHEDULE FOR THE RATING OF INDIVIDUAL ENCL. ACB'S IN NEMA- 3R
19. ALL ELECTRICAL CONDUITS AND TELEPHONE SERVICE ENTRANCE THAT INSTALLED BELOW THE GROUND SHALL BE IN CONCRETE ENCASEMENT.
20. ANY DEVICES OR EQUIPMENT NOT REFLECTED OR SHOWN ON PLANS BUT REQUIRED TO COMPLETE THE SYSTEM MUST BE INCLUDED ON SCOPE OF WORK.
21. REQUEST FOR TEMPORARY POWER INTERRUPTION SHOULD BE COORDINATED TO OWNER'S REPRESENTATIVE OR DESIGNER.

LEGEND AND SYMBOLS :

◎	LED LIGHT BULB, 9W w/ 6" SURFACE TYPE VERTICAL ROUND FIXTURE (PL)	[18] AC CONDENSER	ACU CONDENSER OUT DOOR UNIT WITH NEMA 3R CIRCUIT BREAKER
	LED SPOT LIGHT, 100W, IP65 (SL)	[18]	ACU WALL/FLOOR MOUNTED, SPLIT TYPE, INDOOR UNIT
	1-9W LIGHT TUBE, T5 w/ FIXTURES 2 FT. LENGTH (FL)	———	2.0 mm² THHN
	2-9W LIGHT TUBE, T5 w/ FIXTURES 2 FT. LENGTH (FL)	- - - - - -	3.5 mm² THHN
	1-18W LIGHT TUBE, T5 w/ FIXTURES 4 FT. LENGTH (FL)		CIRCUIT NUMBER
	2-18W LIGHT TUBE, T8 w/ FIXTURES 4 FT. LENGTH (FL)	④	CIRCUIT NUMBER
	EMERGENCY LIGHT (EL)		PANEL BOARD
S_{cfan}	CEILING FAN SWITCH		SERVICE ENTRANCE
S_1, S_A	ONE GANG SWITCH	Ⓜ	KILOWATT HOUR METER
S_2, S_{AB}	TWO GANG SWITCH		CONCRETE ENCASEMENT
S_3	THREE GANG SWITCH	—	CABLE CHAMBER
S_{3W}	THREE WAY SWITCH		DISTRIBUTION TRANSFORMER
CF	CEILING FAN OUTLET	●	PRIMARY CONCRETE POLE
	TWO GANG CONVENIENCE OUTLET	■	SERVICE ENTRANCE PEDESTAL WITH DISCONNECTING SWITCH
	THREE PIN ACU OUTLET		TRUSS/DOWN GUY SUPPORT
	CO WINDOW TYPE		PRIMARY LINE

PREPARED BY:	PROF. ELECTRICAL ENGR:	END USER:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
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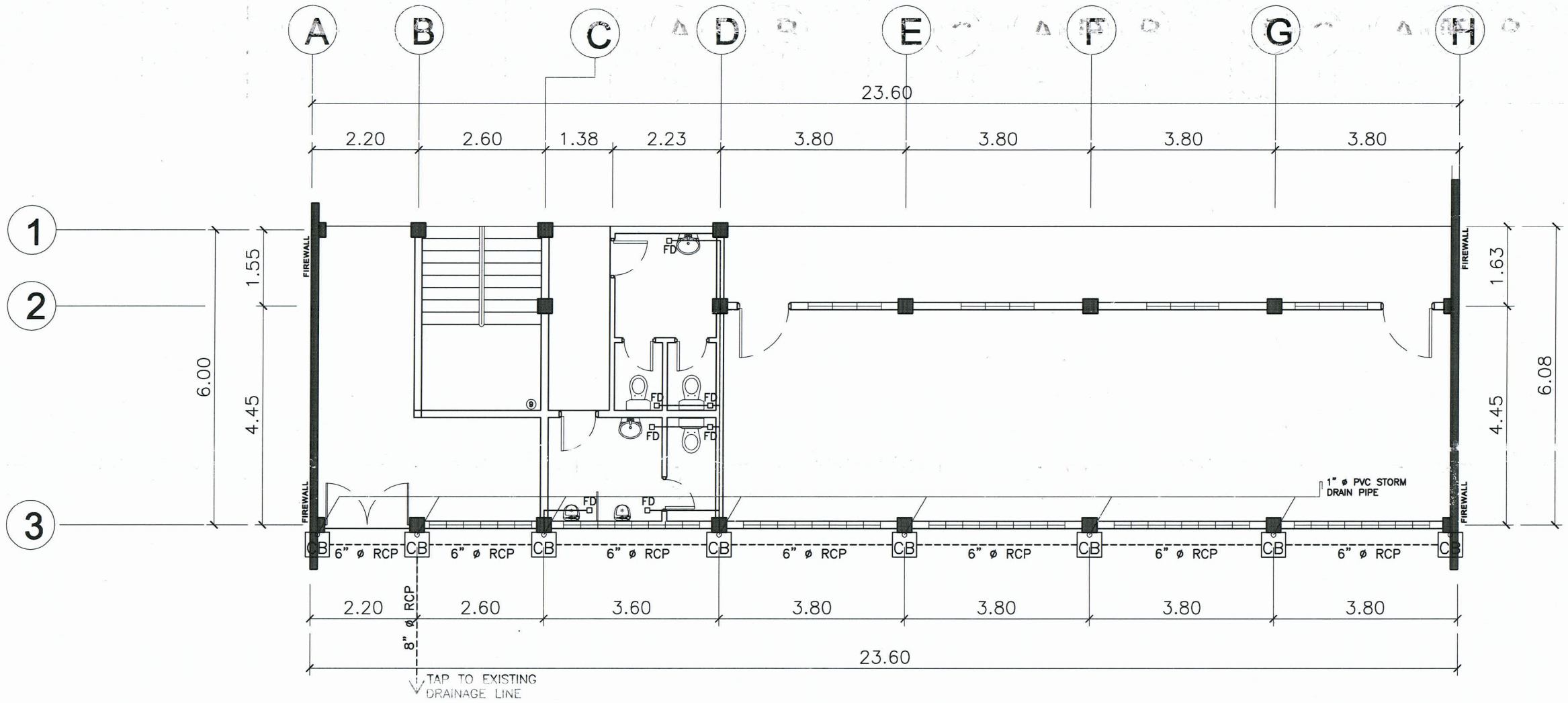

1 / P1 STORM DRAINAGE LAYOUT

SCALE 1:100 MTS.

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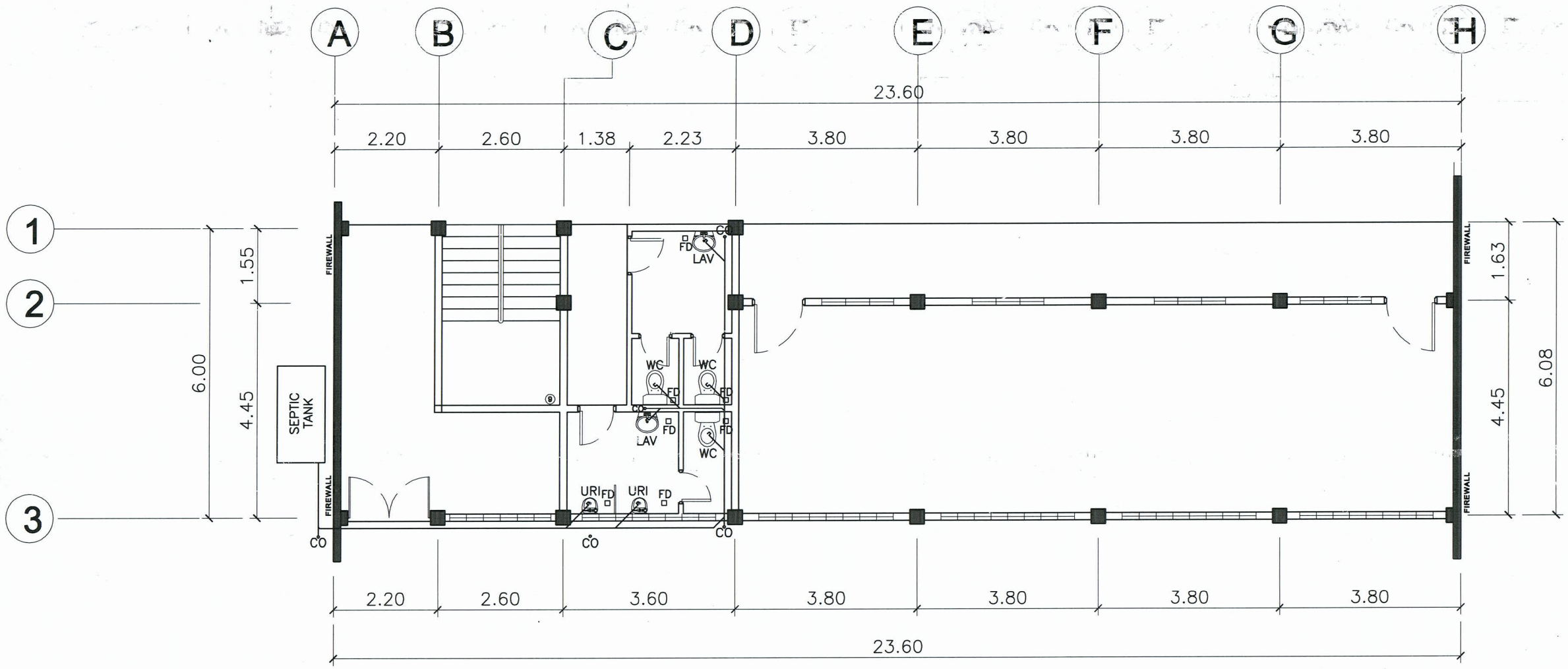

1 / P2 SEWER LINE LAYOUT

SCALE 1 : 100 MTS.

	PREPARED BY:	END USER:	REGISTERED MASTER PLUMBER:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
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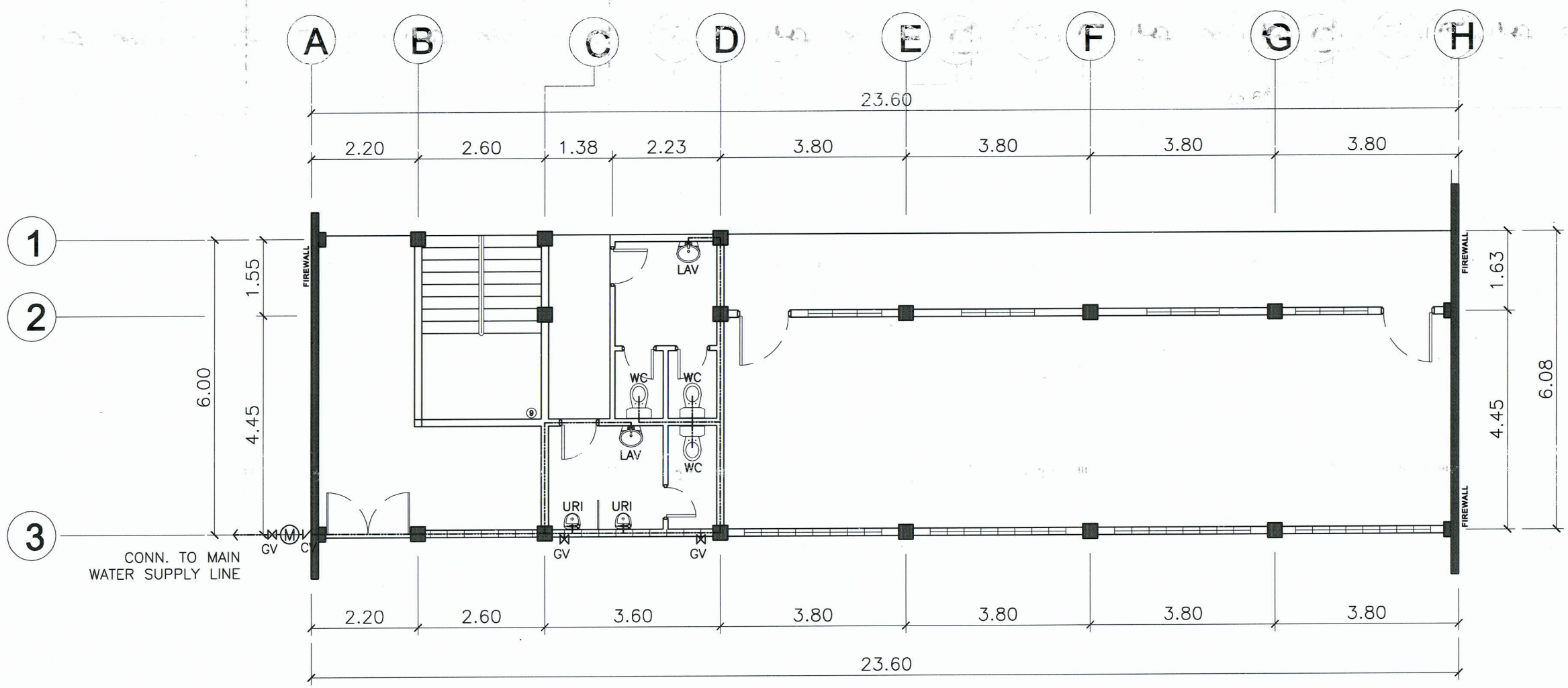

1 / P3 COLD WATER SUPPLY LINE LAYOUT

SCALE 1 : 100 MTS

PREPARED BY:	END USER:	REGISTERED MASTER PLUMBER:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
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————	4" ø PVC PIPE WASTE LINE
————	2" ø PVC PIPE DRAINAGE LINE
- - - - - - - - - -	1/2" ø PVC PIPE COLD WATER LINE
——·——·——	6" ø CONCRETE PIPE DRAINAGE LINE
WC	WATER CLOSET
LAV	LAVATORY
URI	URINAL
CB	CATCH BASIN
CO	CLEAN OUT
FD	FLOOR DRAIN
GV	GATE VALVE
CV	CHECK VALVE
M	WATER METER

1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED IN ACCORDANCE TO THE PROVISION OF THE PHILIPPINE PLUMBING CODE, THE NATIONAL BUILDING CODE AND THE RULES AND REGULATIONS OF THE LOCAL MUNICIPALITY.
2. COORDINATE THE DRAWINGS WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE ENGINEER AND/OR THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND HEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED, ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF THE PLUMBING WORK SHALL BE WITH PRIOR APPROVAL OF THE ENGINEER AND/OR THE ARCHITECT.
4. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATIONS OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR.
5. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN ONE PERCENT (0.01) AND ONE-HALF PERCENT (0.005) MINIMUM UNLESS OTHERWISE SPECIFIED.
6. WATER SUPPLY PIPE TO FIXTURE SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. ALL BRANCHES OF FIXTURE OR GROUP OF FIXTURES SHALL BE PROVIDED WITH AIR CHAMBER MADE OF CAPPED VERTICAL EXTENSION PIPE.
8. ALL WATER LINES SHALL BE HYDROSTATICALLY TESTED @ 100 PSI FOR A PERIOD OF TWO(2) HOURS BEFORE BURIED OR COVERED. POLYPROPYLENE PIPE (P.P.R.)
9. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES @ SITE AND COORDINATE THE WORK WITH THE SEWER AND STORM DRAINAGE LINE EFFLUENT DISPOSAL POINT AND WATERLINE SERVICE CONNECTING/TAPPING POINT.
10. ALL PIPE SIZES AND OTHER DIMENSIONS ARE IN MILLIMETER (MM) UNLESS OTHERWISE SPECIFIED AND ARE INDICATIVE OF INSIDE DIAMETER.

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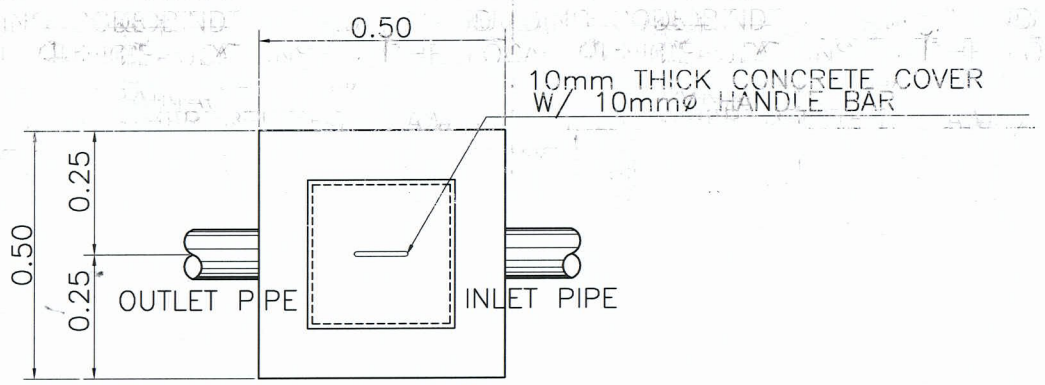

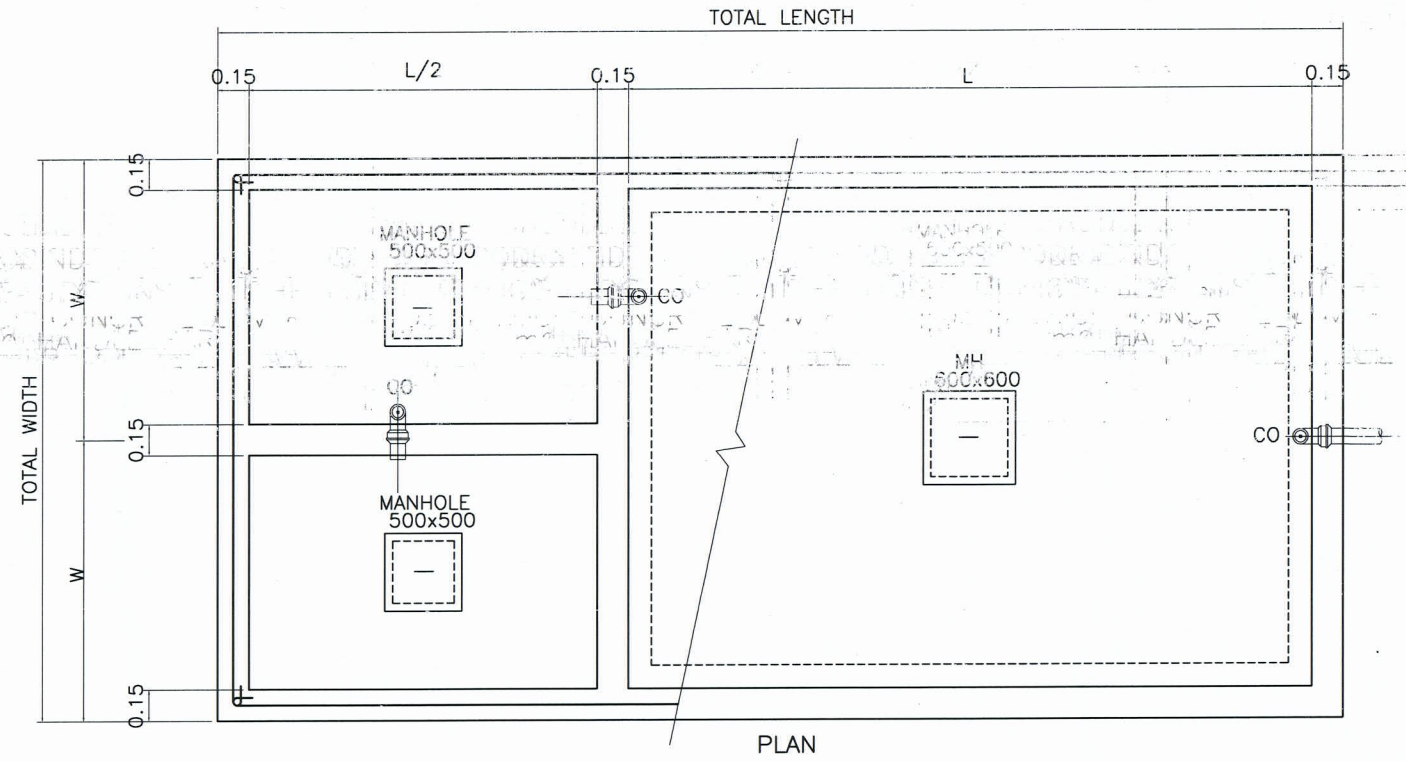

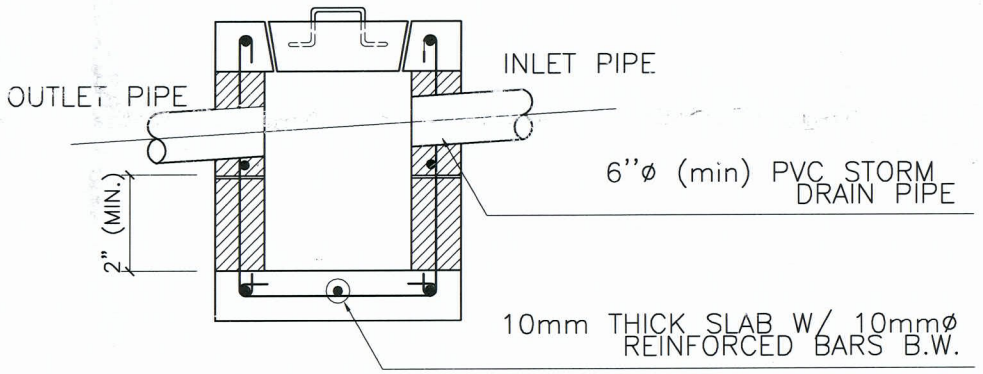

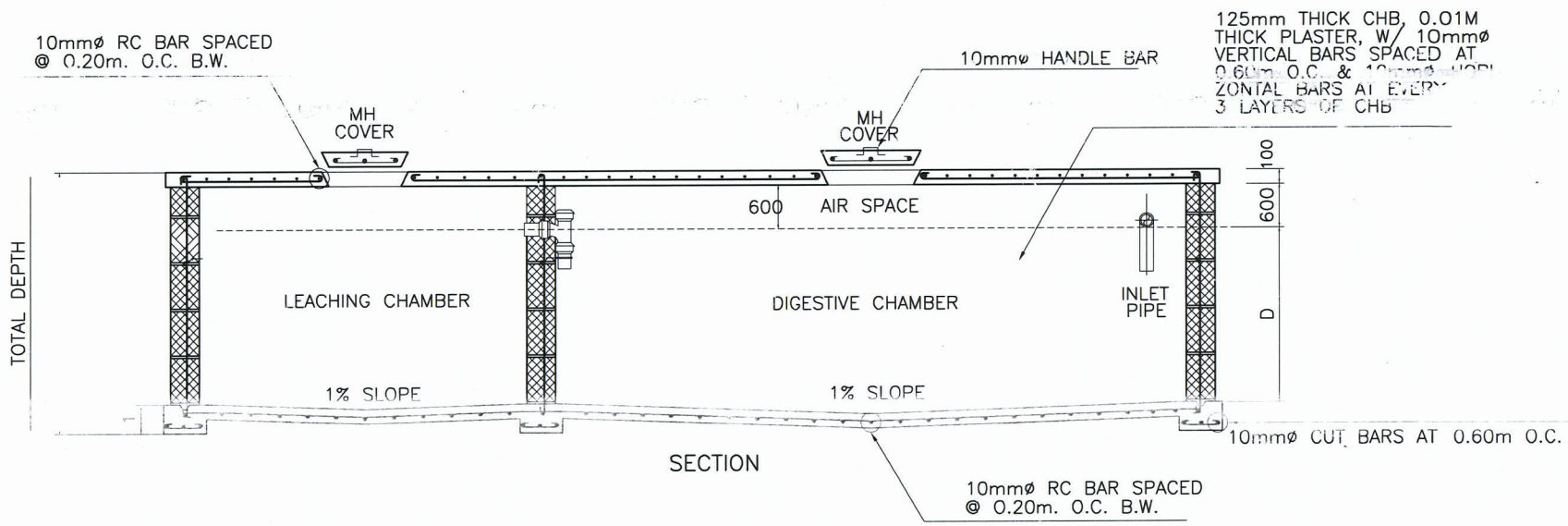

SEPTIC TANK DIMENSION					
LENGTH (L)	L/2	TOTAL LENGTH	WIDTH (W)	TOTAL WIDTH	DEPTH (D)
5000 MM	1000 MM	3000 MM	1000 MM	2000 MM	1500 MM

	PREPARED BY:	END USER:	REGISTERED MASTER PLUMBER:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
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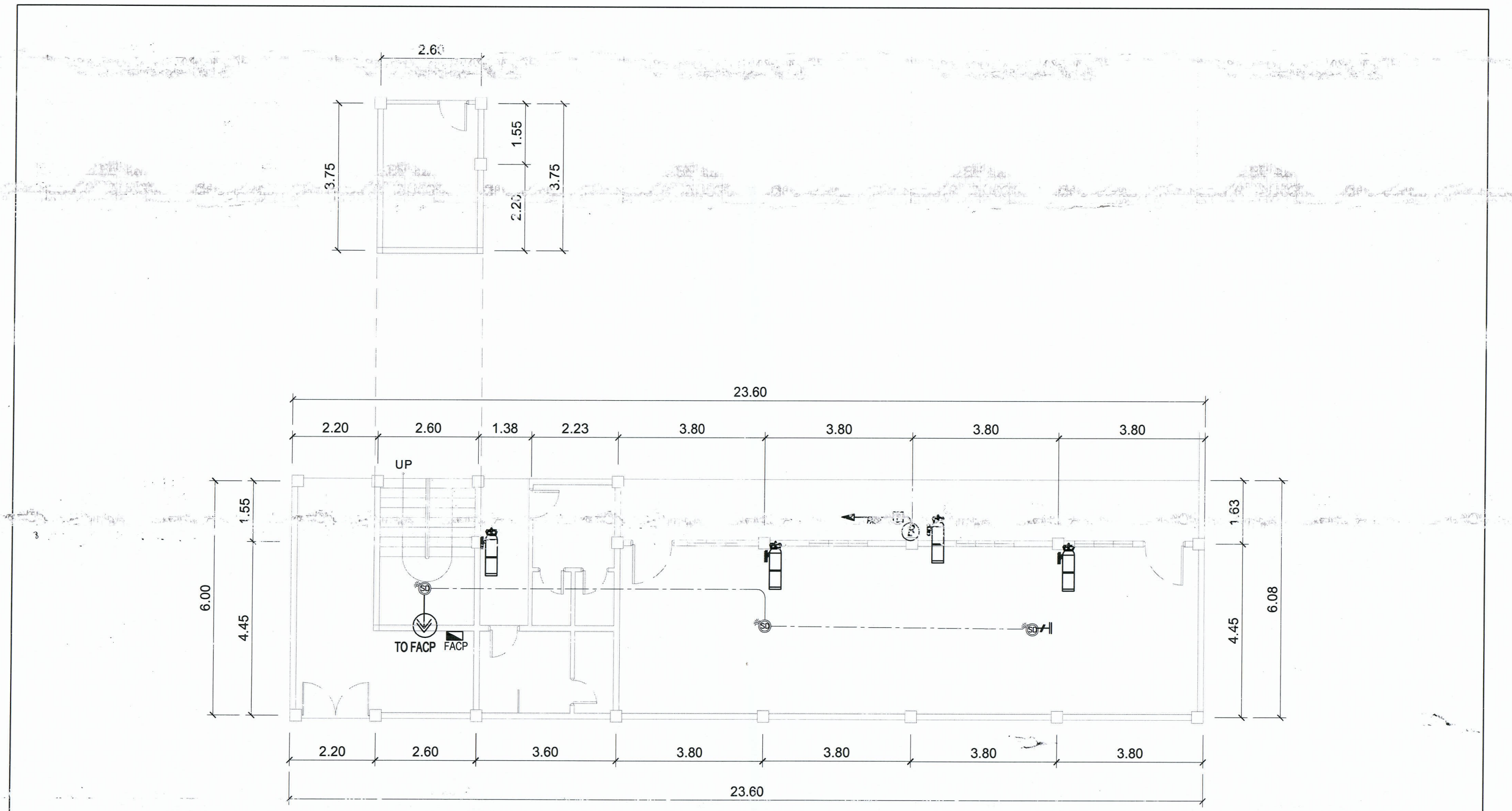

GROUND FLOOR TDAS PLAN

M 1 SCALE

	PREPARED BY:	PROF. ELECTRICAL ENGR.	END USER	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
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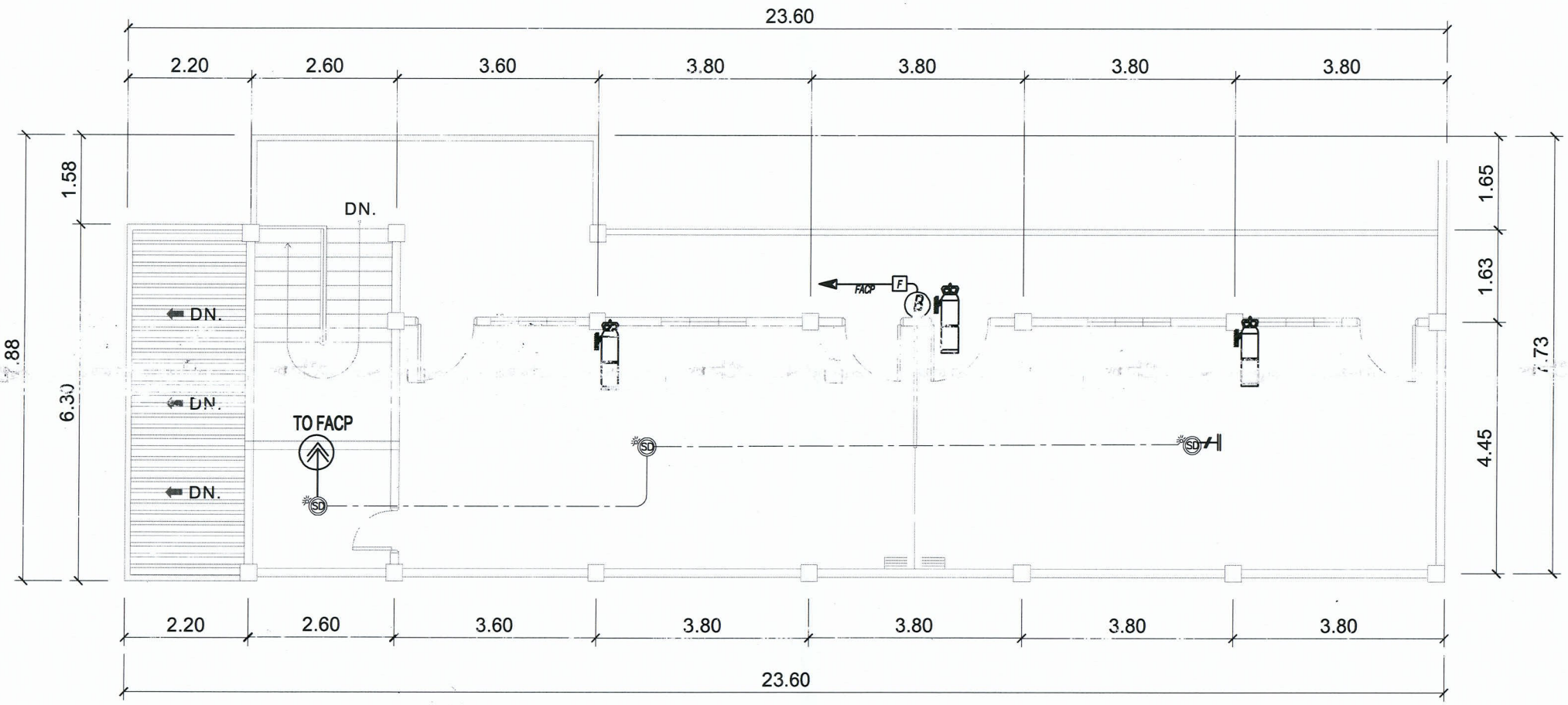

SECOND FLOOR FDAS PLAN

M 2 SCALE NTS.

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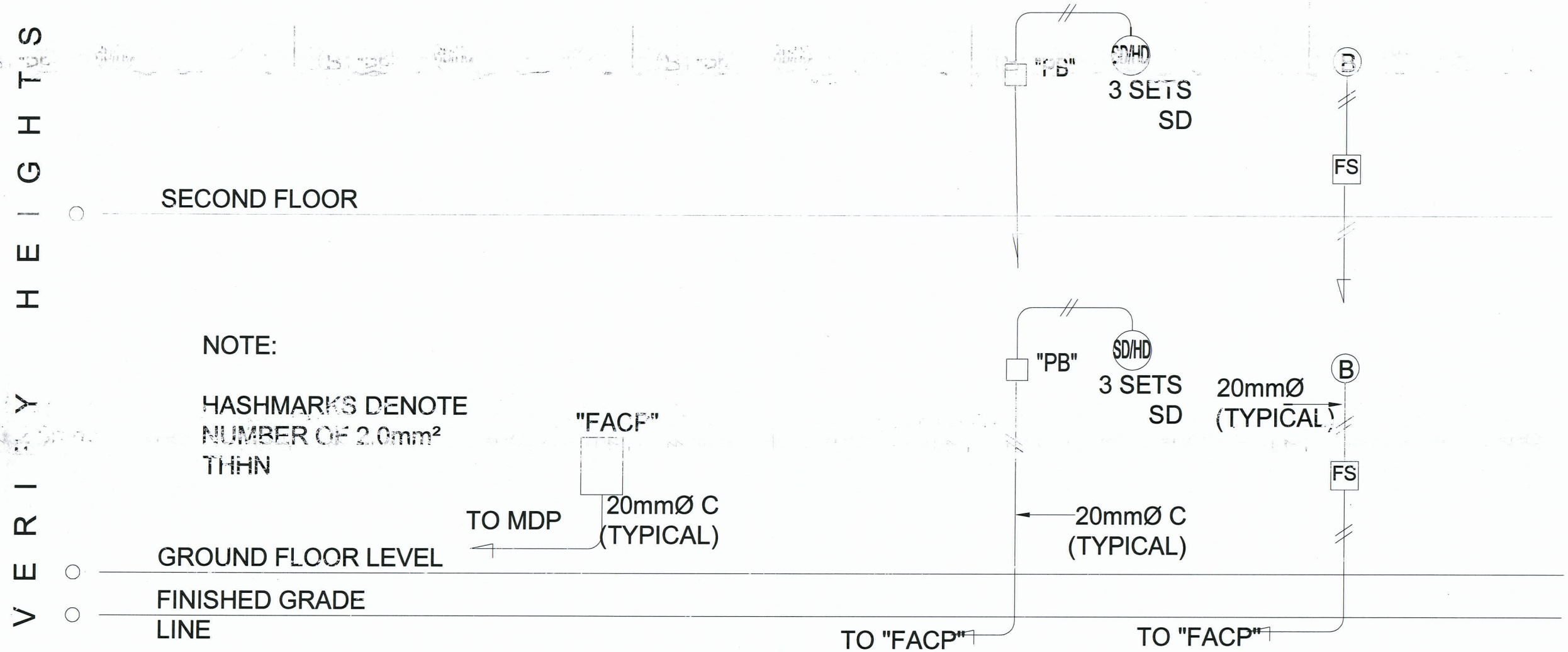
	R.J. R. SANCHEZ PPU OVPPD	R. P. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS PPU OVPPD	O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M.J. DI TEPORA OIC OVPPD	C. A. BOLINGA VPAS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	M – 2

VERIFY HEIGHTS



FIRE ALARM SYSTEM RISER DIAGRAM (FDAS)

(SHOWING MANUAL STATIONS, BELLS AND SMOKE DETECTORS)

1/M3 SCALE NTS.

PREPARED BY:	PROF. ELECTRICAL ENGR.	END USER:	REVIEWED BY:		ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
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NOTES:

FIRE ALARM SYSTEM SHALL BE FULLY ADDRESSABLE TYPE WITH CLASS A WIRING FOR RISER.

THE COMPLETE FIRE ALARM SYSTEM SHALL BE FURNISHED/INSTALLED BY FIRE ALARM CONTRACTOR COMPLETE SYSTEM FOR OPERATION INCLUDING EQUIPMENT AND WIRINGS.

a. SMOKE DETECTION (RECONFIRMATION)
b. MANUAL PULL STATION.

THE FIRE ALARM RISER DIAGRAM CAN BE MODIFY BY CONTRACTOR/SUPPLIER TO SUIT WITH THE SUPPLIED EQUIPMENT.

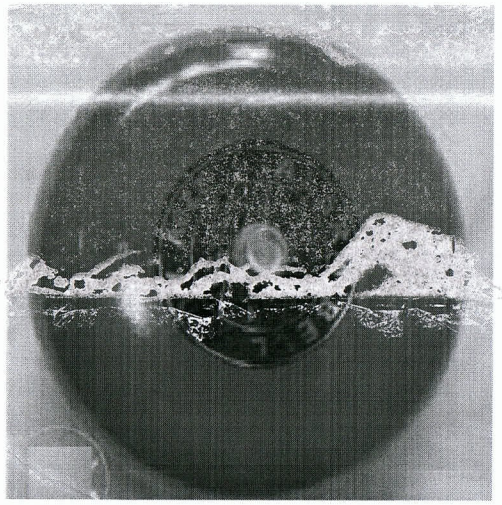
ADDITONAL SMOKE DETECTOR SHALL BE PROVIDED BY TENANT WHICH WILL INCLUDE WIRING AND CONDUIT FOR ADDITIONAL ADDRESSABLE CONTROL DEVICES IN THE FDAS CONTROL PANEL.

FDAS SUPPLIER/CONTRACTOR SHALL BE PROPERLY COORDINATED IN ANY CHANGES IN THE SMOKE DETECTOR LAYOUT AS WELL AS WIRING CONNECTIONS.

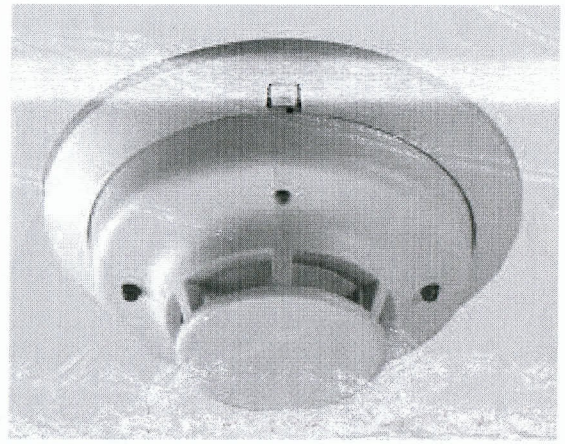
WIRING SHALL BE UNSHIELDED 2.0mm² THHN FDAS CABLE IN 20mmø PVC PIPE.

LEGEND & SYMBOLS:

SYMBOL	DESCRIPTIONS
SD	SMOKE DETECTOR
HD	HEAT DETECTOR
FS	FIRE ALARM MANUAL STATION
B	FIRE ALARM BELL OUTLET
——	HOMERUN TO FACP
⊩—	END OF LINE RESISTOR - ELR
FACP	FIRE ALARM CONTROL PANEL
——//——	2-2.0mm², THHN IN 15mmØ C.



1 / M|4 FIRE ALARM BELL
SCALE NTS.



2 / M|4 SMOKE DETECTOR
SCALE NTS.

M|4 MANUAL STATION (FS)
SCALE NTS.

PREPARED BY:	PROF. ELECTRICAL ENGR.	END USER:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
R. J. R. SANCHEZ PPU OVPPD	R. P. PEÑA PPU OVPPD	T. C. LOPEZ CAMPUS ADMINISTRATOR TANZA CAMPUS	E. N. RODEROS PPU OVPPD O. B. DELOS REYES DIRECTOR PLANNING OFFICE	M. J. D. TEPORA QIC OVPPD	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED MULTI-PURPOSE BUILDING – TANZA CAMPUS CAVITE STATE UNIVERSITY TANZA CAMPUS	CAVITE STATE UNIVERSITY	M – 4