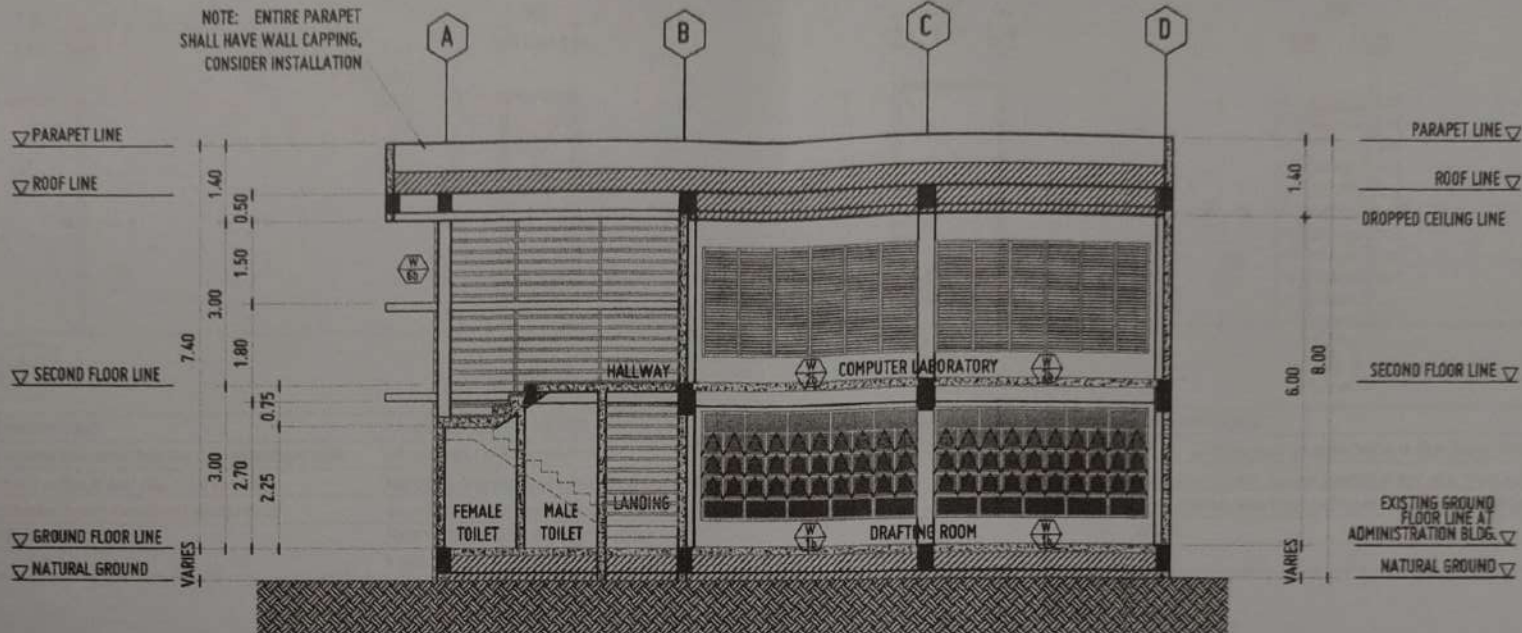
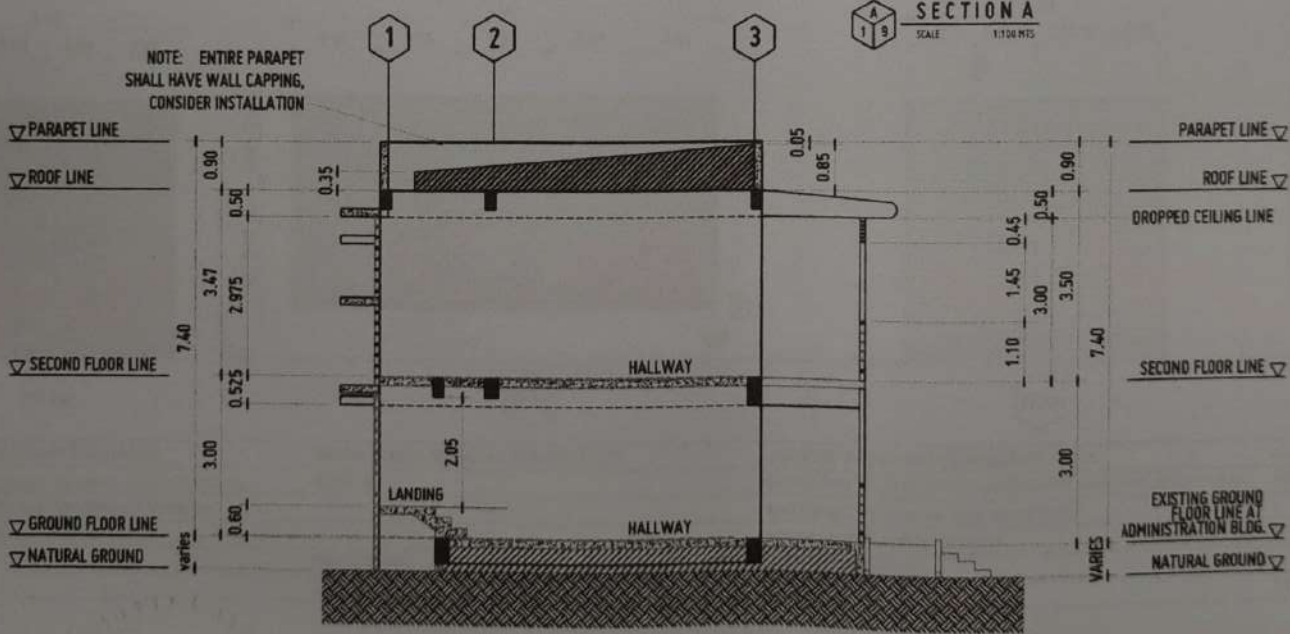


NOTE: ENTIRE PARAPET SHALL HAVE WALL CAPPING, CONSIDER INSTALLATION



SECTION A
SCALE: 1:100 MTS

NOTE: ENTIRE PARAPET SHALL HAVE WALL CAPPING, CONSIDER INSTALLATION



SECTION B
SCALE: 1:100 MTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
104 KECORAN ST., LAPOAN, CAGAYAN DE ORO CITY, 9000
TEL: (087) 222-1881 (EXT. 4488) | FAX: (087) 222-1881 (EXT. 4488) | WWW.USTIP.USTP.EDU.PH

AR. FERNANDO A. DUNPA
PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING
PRC NO. 00123-20 DATE: 02-24-2021
TIN: 100-002-001 PLACE: 61 SALVADOR CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
1077 SAGANAN CAMPUS, PISAPANG BORIZONTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
AR. FERNANDO A. DUNPA
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT UNIT

RECOMMENDING APPROVAL:
ATTY. ERWIN B. BORDADO
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:
DR. AMBROSIO A. CULTURA II
PRESIDENT, USTP SYSTEM


SHEET CONTENTS: SECTION A SECTION B	DRAWN BY: JDBP DATE DRAWN: 08.01.2021 PMT:
---	--



DESIGNATION	D1	D2	D3	D4
TYPE	SINGLE LEAF SOLID CORE WOODEN DOORS	PVC WOODEN DOOR W/ LOUVRES	PVC DOOR W/ LOUVRES	STEEL LOUVRE DOOR
DESCRIPTION	solid core wooden doors, painted dark brown stain. Use close grained hard wood butt hinges: 2-sets on upper 1/3 portion of door stile, 1-set on bottom use cylindrical, lever type handles (verify handedness), hairline finish	PVC swing door in white with frames butt hinges: 2-sets on upper 1/3 portion of door stile, 1-set on bottom use cylindrical, lever type handles (verify handedness), hairline finish	AS BEFORE	2" x 4" aluminum anodized square tubing in clear (white) finish butt hinges: 2-sets on upper 1/3 portion of door stile, 1-set on bottom use cylindrical, lever type handles (verify handedness), hairline finish
LOCATION	DRAFTING ROOM, COMPUTER LABORATORY, OFFICE	FEMALE TOILET, MALE TOILET, OFFICE TOILET	PWD TOILET	STAIRS
SET	5 SETS	3 SETS	1 SET	1 SET

DESIGNATION	W1a	W1b	W2a	W2b
TYPE	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	JALOUSIES WINDOW WITH CLEAR ANODIZED FRAMES	JALOUSIES WINDOW WITH CLEAR ANODIZED FRAMES
DESCRIPTION	glazing: 1/2" tinted glass; frames: aluminium, clear (white) finish hinge: heavy-duty awning hinge operable up to 60 degrees heavy-duty locking mechanism, lever type handle	AS BEFORE	glazing: 6mm thk. glass, machine polished; ultra-clear; jalousies frame: black main frame: 2 x 2 aluminum, clear (white) finish window assembly shall be stormproof	AS BEFORE
LOCATION	DRAFTING ROOM	DRAFTING ROOM	COMPUTER LABORATORY	
SET	2 SETS	2 SETS	2 SETS	2 SETS

SCHEDULE OF DOORS AND WINDOWS 1/2
SCALE: 1:50 NTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
SCHEDULE OF DOORS AND WINDOWS
ARCHITECTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C/A: 1000 SPC, LANTANA, COMPOUND 200, C/11000
DILMORAN A WARD, C/11000 SPC, LANTANA, COMPOUND 200, C/11000
100-1001 TEL: 704 1000 FAX: 4841
WWW.USTIP.UTP.PH

AR. FERDINAND A. DUMPA
ARCHITECT
PRC NO. 0012275
DATE: 07-28-2021
TIN: 185-892-831 PLACE: EL SALVADOR CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
ARCHITECT: WENY JASAHN CAPPUL, ROSARIO ORIENTAL
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
AR. FERDINAND A. DUMPA
DIRECTOR, ARCHITECTURE PLANNING AND FACILITY DEVELOPMENT UNIT

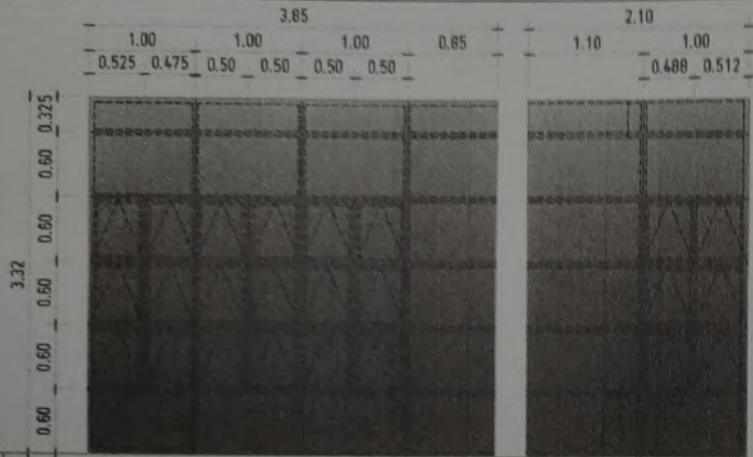
REC'D BY: **ATTY. ERWIN B. BUKID**
ATTY. FOR THE UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

APPROVED BY:
DR. AMBROSIO A. CULTURA II
PRESIDENT, USTIP SYSTEM

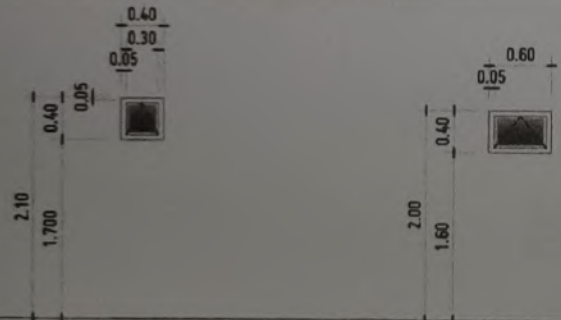
SHEET CONTENTS:
SCHEDULE OF DOORS AND WINDOWS

DRAWN BY:
JSEP
DATE DRAWN:
MAY 01, 2021
PNO:

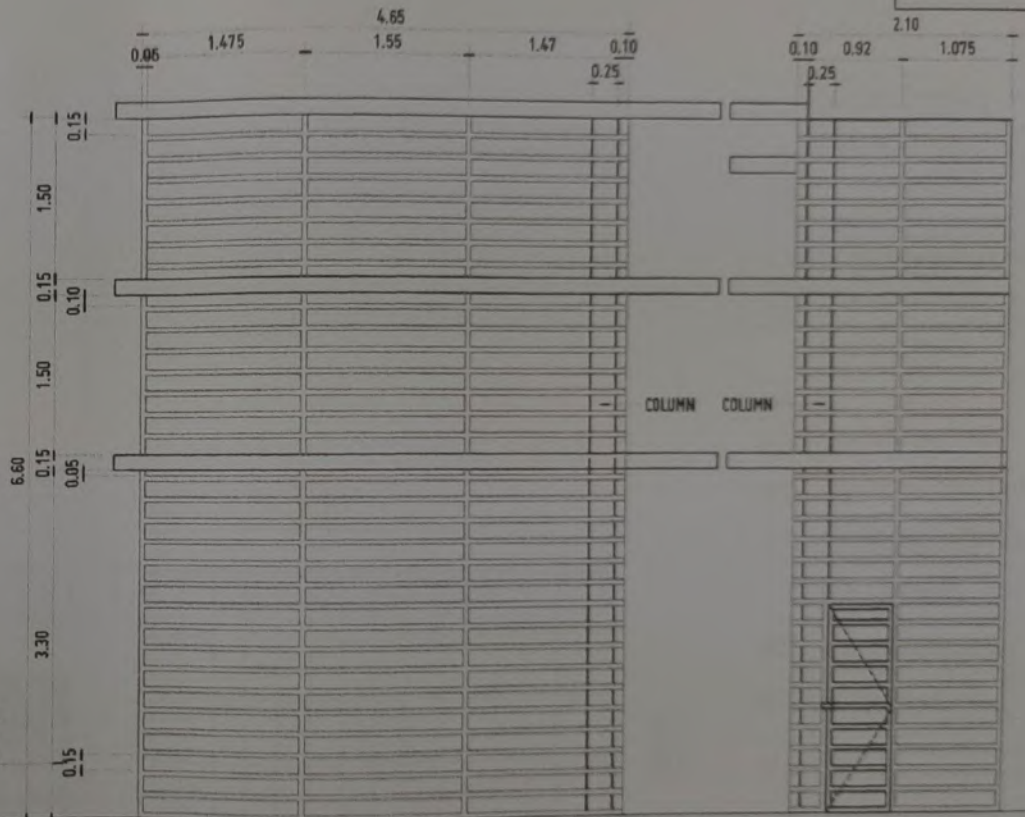
A10



DESIGNATION	W3a	W3b
TYPE	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	
DESCRIPTION	glazing: 2" tinted glass; frames: aluminium, clear (white) finish hinge: heavy-duty awning hinge operable up to 60 degrees heavy-duty locking mechanism, lever type handle	
LOCATION	OFFICE/SERVER ROOM	
SET	1 SET	



DESIGNATION	W4	W5
TYPE	AWNING WINDOW WITH CLEAR ANODIZED FRAMES	AWNING WINDOW WITH CLEAR ANODIZED FRAMES
DESCRIPTION	glazing: 2" tinted glass; frames: aluminium, clear (white) finish hinge: heavy-duty awning hinge operable up to 60 degrees heavy-duty locking mechanism, lever type handle	as before
LOCATION	FEMALE TOILET, MALE TOILET, OFFICE TOILET & KITCHENETTE	PWD TOILET
SET	4 SETS	1 SET



DESIGNATION	W6a	W6b
TYPE	SUN BUFFER	SUN BUFFER
DESCRIPTION	2" x 4" steel square tubing in white semi-gloss finish	2" x 4" steel square tubing in white semi-gloss finish
LOCATION	STAIRS	STAIRS
SET	1 SET	1 SET

SCHEDULE OF DOORS AND WINDOWS 2/2
SCALE: 1/50 NTS



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CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C.A. PETER AVENUE, CAGAYAN DE ORO CITY 9000
TEL: (083) 221-1111 (LOCAL) / (083) 221-1111 (INTERNATIONAL)
WWW.USTIP.EDU.PH

PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING
ARCHITECT: AR. FERDINAND A. DUMPA
P.N.C. NO.: 001321 P.F.D. NO.: 0010253 A
DATE: 02-28-2021
TIN: 105-007-107 PLACE: EL SALVADOR CITY DIVISOR

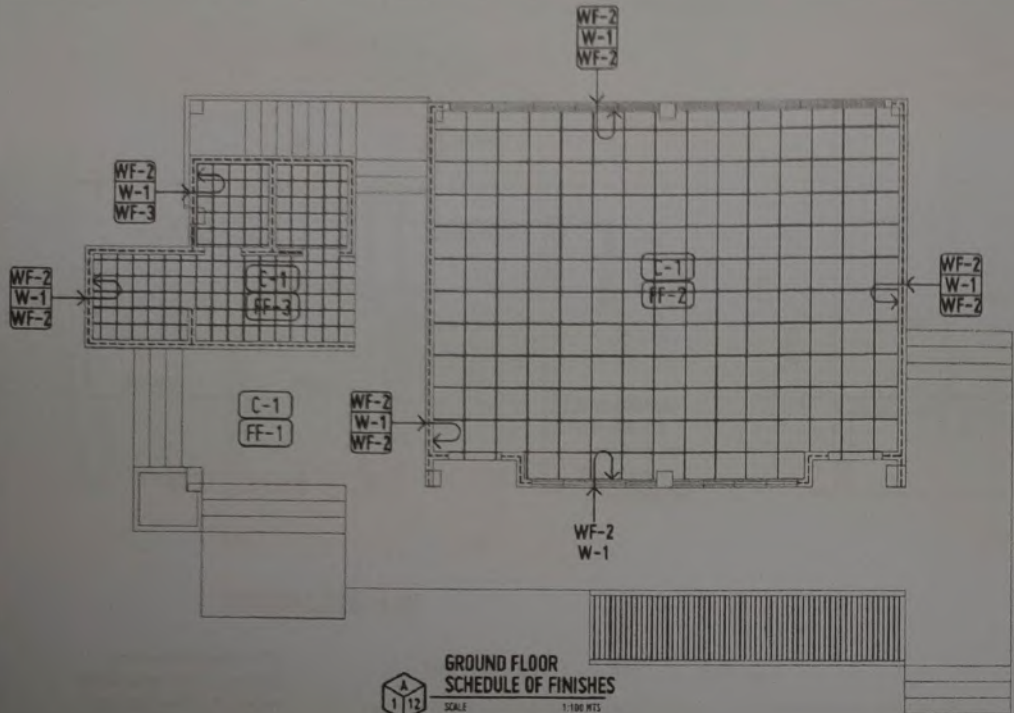
RECOMMENDING APPROVAL: AR. FERDINAND A. DUMPA
UNIT FOR INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT

RECOMMENDING APPROVAL: ATTY. ERWIN B. DUMAO
VP FOR ADMINISTRATION & LEGAL AFFAIRS

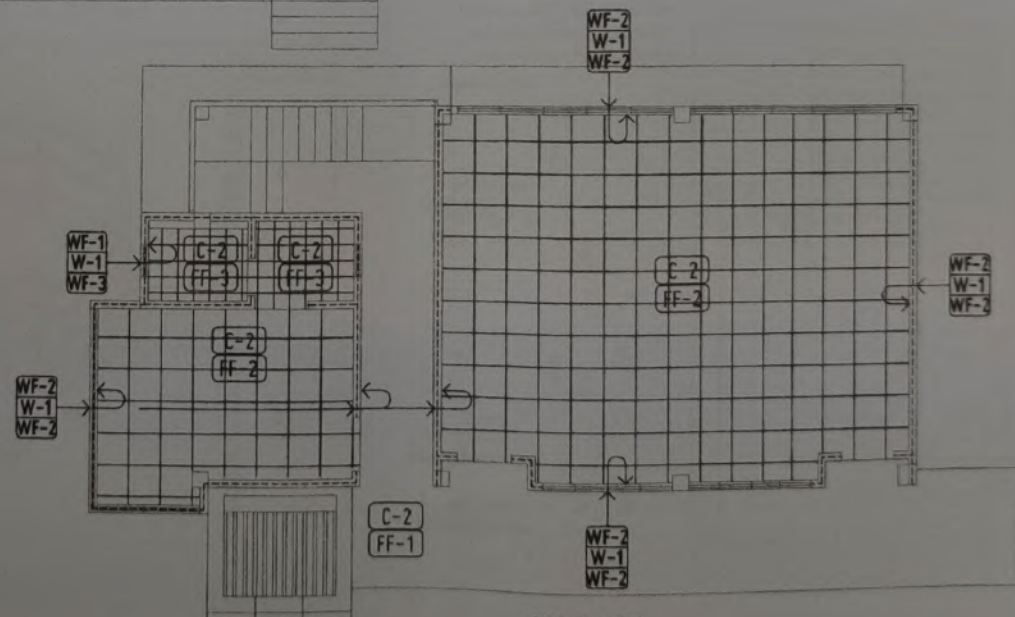
APPROVED BY: DR. AMBRIL M. CULTURA II
PROFESSOR, USTIP SYSTEM

SHEET CONTENTS: SCHEDULE OF DOORS AND WINDOWS
DRAWN BY: ECP
DATE DRAWN: JULY 2021
EXT.





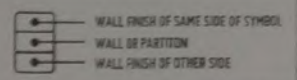
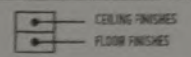
**GROUND FLOOR
SCHEDULE OF FINISHES**
SCALE 1:100 MTS



**SECOND FLOOR
SCHEDULE OF FINISHES**
SCALE 1:100 MTS

DRAWING SYMBOLS

SCHEDULE OF FINISHES



FLOOR FINISHES

MARK	DESCRIPTION
FF-1	SMOOTH TROWEL FINISHED CONCRETE FLOORING
FF-2	600 X 600MM CERAMIC FLOOR TILES, IN GRAY SHADE
FF-3	300 X 300MM NON-SKID CERAMIC FLOOR TILES, IN GRAY SHADE, WITH CEMENTITIOUS WATERPROOFING VERBLY DESIGN

WALL FINISHES

WF-1	PLAIN CEMENT PLASTER TROWEL FINISH, "SMOOTH" GRAY SKIMCOAT FINISH (EXTERIOR)
WF-2	PLAIN CEMENT PLASTER TROWEL FINISH, "SMOOTH" GRAY SKIMCOAT FINISH, PAINTED W/ SELF-CLEANING, ANTIBACTERIAL, SEMI-GLOSS PAINT IN PURIFYING WHITE COLOR (INTERIOR)
WF-3	LOWER-300MM X 300MM CERAMIC WALL TILE IN GRAY SHADE UPPER-PLAIN CEMENT PLASTER TROWEL FINISH, "SMOOTH" SEMI-GLOSS LATEX PAINT FINISH

PARTITION

W-1	150MM THK CNB INTERIOR AND EXTERIOR WALLS
-----	---

CEILING FINISHES

C-1	OPEN CEILING ACCORDINGLY, PAINTED W/ SELF-CLEANING, ANTIBACTERIAL, FLAT PAINT IN PURIFYING WHITE COLOR
C-2	DROPPED CEILING, 4.5MM THK. FIBER CEMENT BOARDS IN METAL FRAMES SPACED ACCORDINGLY, PAINTED WITH FLAT WHITE



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CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
CA, HIGHWAY 124, CAGAYAN DE ORO CITY 9000
TELEPHONE: 8 (CAGAYAN) 861-8111 EXTENSION 11787
FAX: 1123 (TEL) 861-8181 4881
WEBSITE: www.ustip.edu.ph

AR. FERNANDA A. DUMPA
ARCHITECT
PRC NO. 0210129 PTR NO. 002923 A
DATE 02-26-2021
TIN 105-002-897 PLACE EL SALVADOR CITY

**PROPOSED
INTEGRATED TECHNOLOGY BUILDING**
USTP JASARAN CAMPUS, NEGROS ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
AR. FERNANDA A. DUMPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

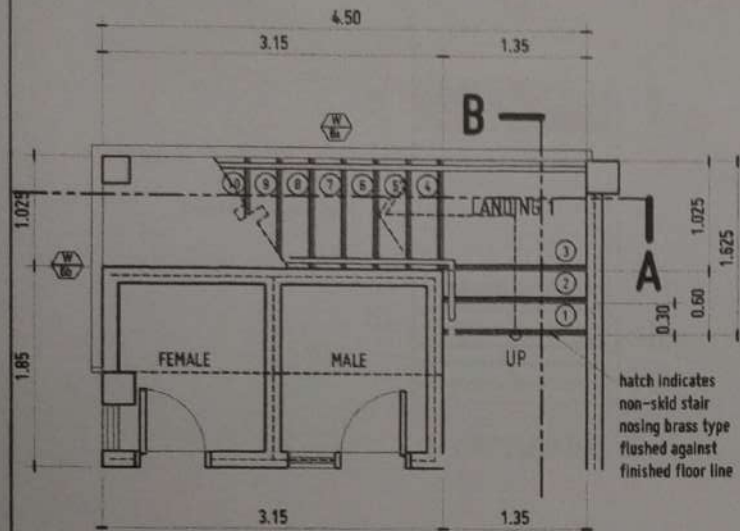
RECOMMENDING APPROVAL:
ATTY. ERNEST O. BAYO
LEGAL COUNSEL, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

APPROVED BY:
DR. AMBROSIO M. CANTURA II
PRESIDENT, USTP

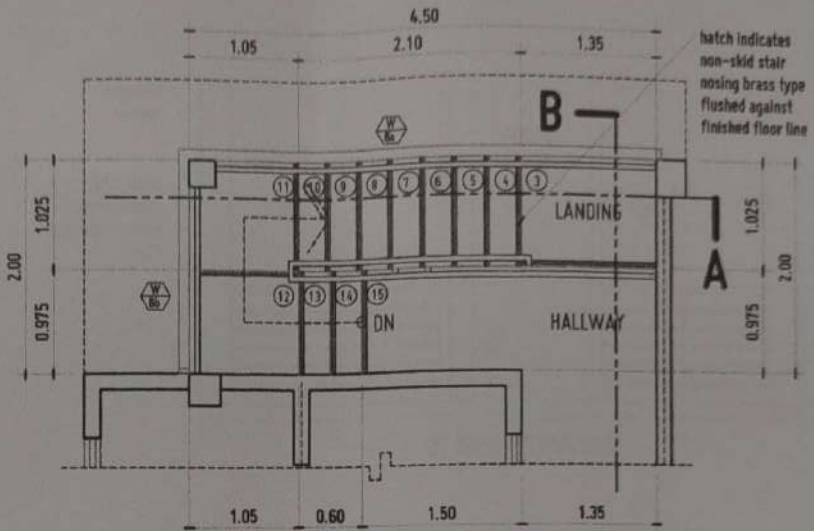
SHEET CONTENTS:
SCHEDULE OF FINISHES

DRAWN BY:
JEP
DATE DRAWN:
04.01.2021
INT:

A12



GROUND FLOOR PLAN



SECOND FLOOR PLAN

hatch indicates non-skid stair nosing brass type flushed against finished floor line

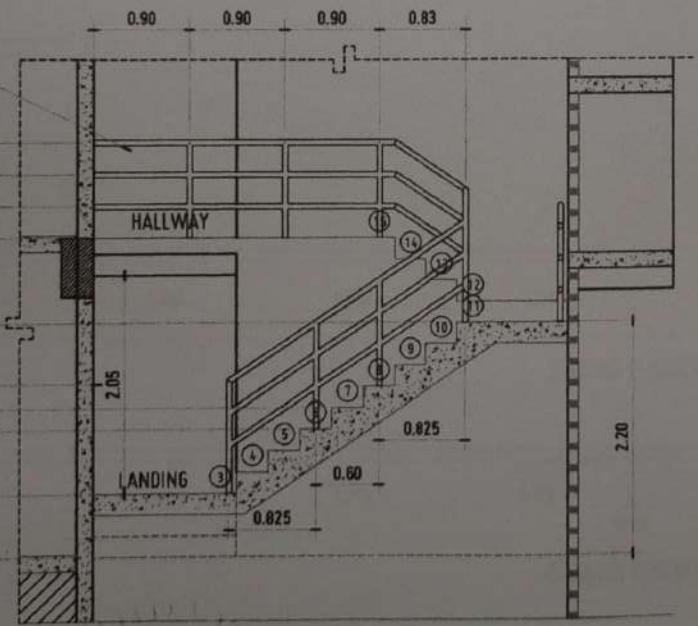
hatch indicates non-skid stair nosing brass type flushed against finished floor line

entire railing shall use 2" # stainless steel SS304 round tube embedded partially to concrete and installed with floor flange

typical height of railing
second floor finished floor line

clear height at landing to beam

landing floor line
ground floor finished floor line



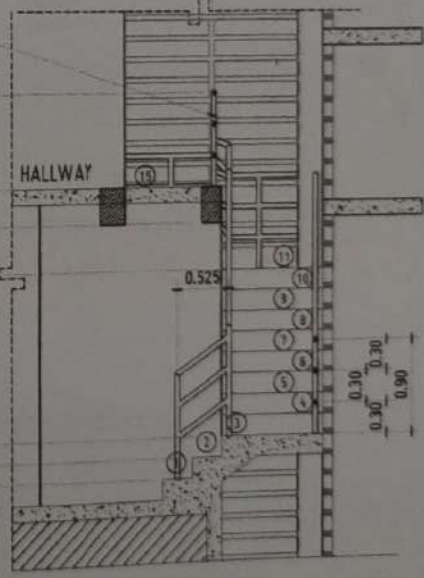
SECTION A

entire railing shall use 2" # stainless steel SS304 round tube embedded partially to concrete and installed with floor flange

typical height of railing

second floor finished floor line clear height at landing to beam

landing 1 floor line
ground floor finished floor line



SECTION B

MAIN STAIRS DETAIL
SCALE 1:50 (R/S)



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

AR. FERDINAND A. JUMPA
PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING
DATE: 02-26-2021
PLACE: EL SALVADOR CITY

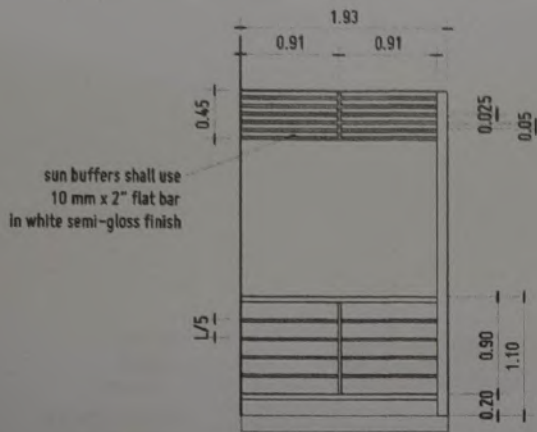
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

RECOMMENDING APPROVAL:
AR. FERDINAND A. JUMPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

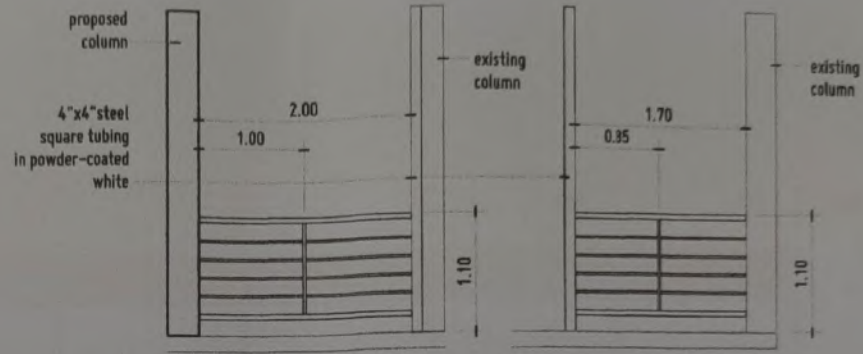
RECOMMENDING APPROVAL:
ATY. ERWIN B. BUCAR
ATTORNEY AT LAW

APPROVED BY:
DR. AMBROSIO B. CULTURA II
DIRECTOR, USTIP SYSTEM

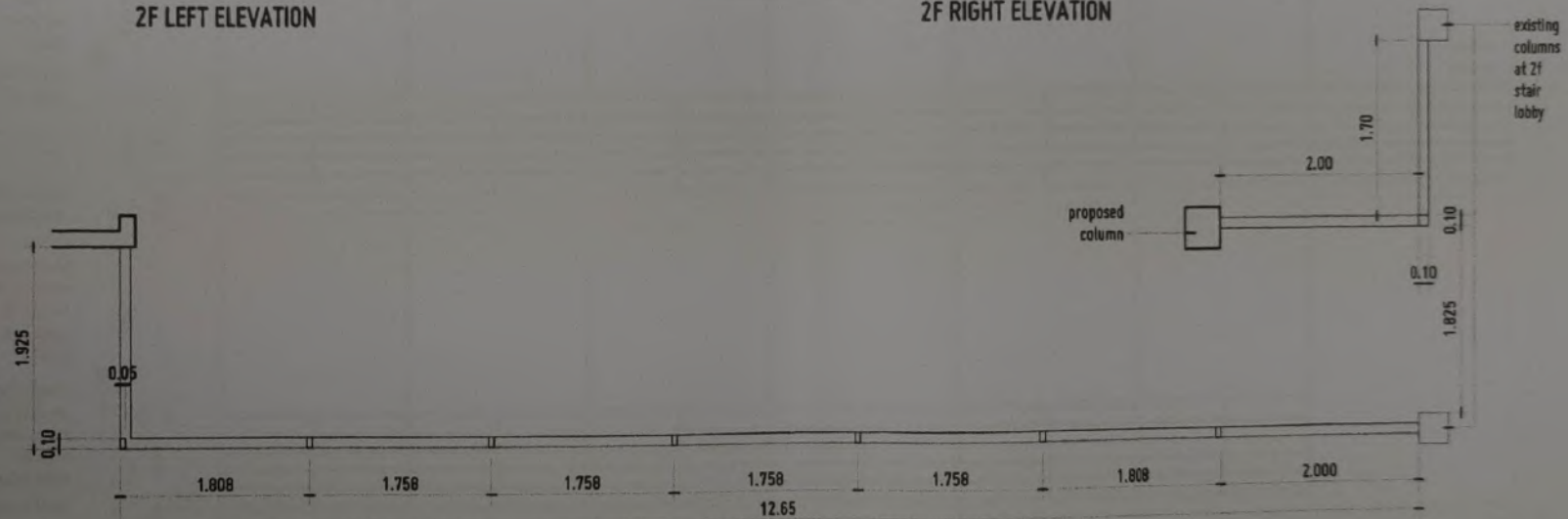
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DATE DRAWN: 04.01.2021	CHECKED BY: JOSP
	DATE CHECKED: 04.01.2021
	SCALE:



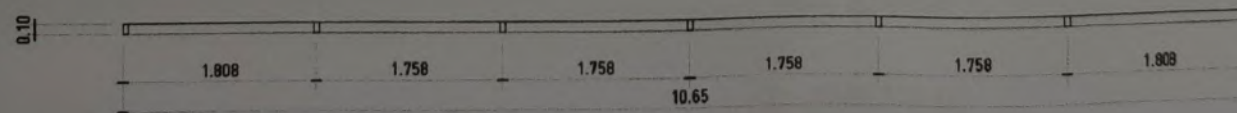
2F LEFT ELEVATION



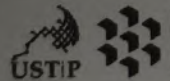
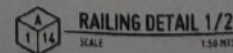
2F RIGHT ELEVATION



SECOND FLOOR PLAN



GROUND FLOOR PLAN



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C/A. RITCH BLDG., UNIVERSITY CAMPUS OF SOUTHERN PHILIPPINES
TEL: (083) 814-1000 / (083) 814-1001 / (083) 814-1002
FAX: (083) 814-1003 / (083) 814-1004
WEBSITE: www.ustip.edu.ph

AR. FERDINAND DUMBA
ARCHITECT
PNC NO. 00-0329 PTR NO. 00-0253 A
DATE 02-28-2021
TIN 185-093-001 PLACE EL SALVADOR CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
OWNER
USTIP, JASARAN CAMPUS, MISAMIS ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

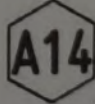
RECOMMENDING APPROVAL
AR. FERDINAND DUMBA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

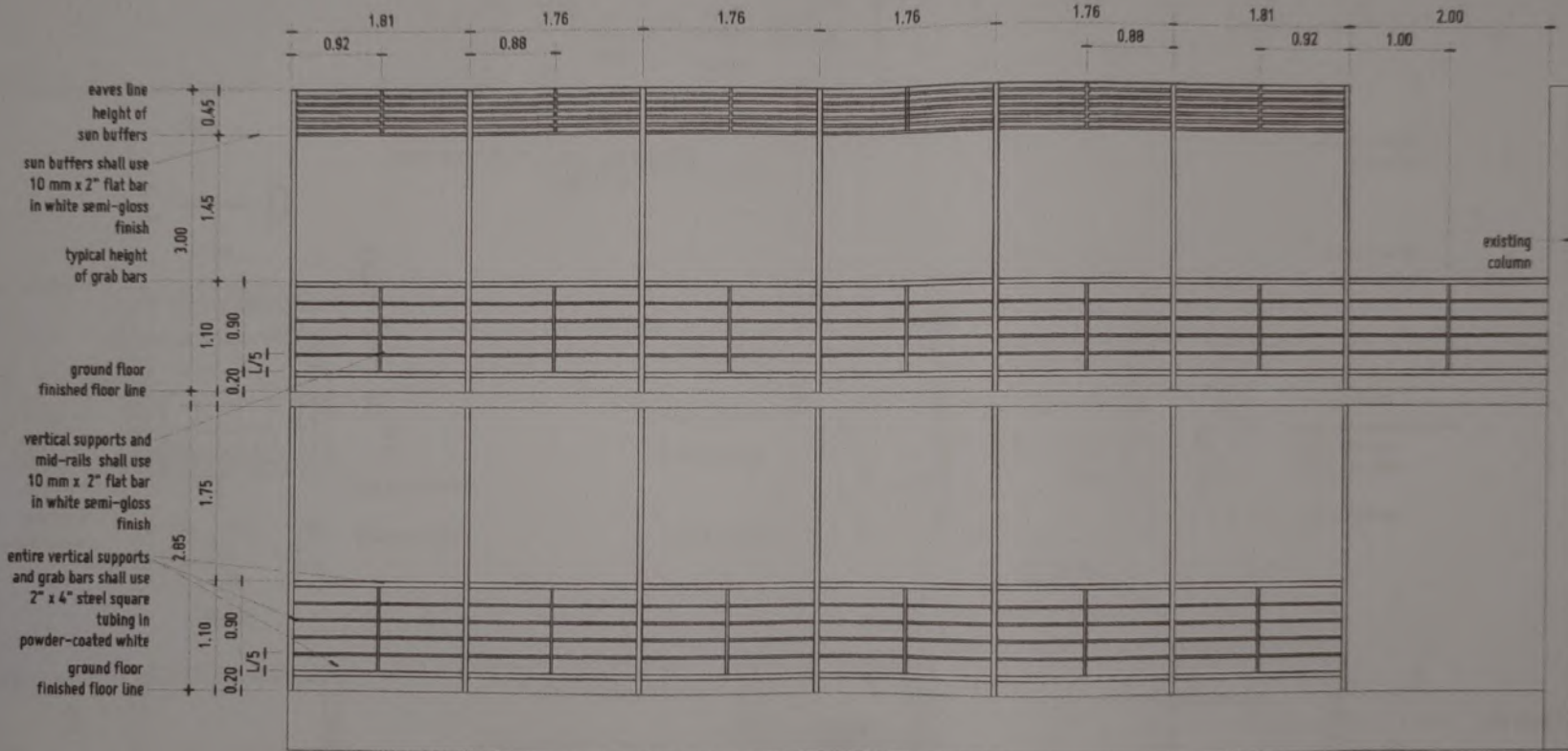
RECOMMENDING APPROVAL
ATTY. ERWIN A. BAYO
LAW OFFICE, INFRASTRUCTURE & LEGAL SERVICES

APPROVED BY:
DR. AMBROSIO CULTURA II
PRESIDENT, USTIP SYSTEM

SHEET CONTENTS:
RAILING DETAIL

DRAWN BY:
ZBP
DATE DRAWING:
06/01/2021
P/N:





FRONT ELEVATION

RAILING DETAIL 2/2
SCALE: 1:50 NTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
COLLEGE OF ARCHITECTURE
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C.A. ARCE QUEZON SYSTEM, DAVAO DEL NORTE CITY 8002
TALPOKAN A BARANGAY (TEL: 083-887-5047/5048 / 5049)
083-887-5051 TO 5054 (SMS) 083-4281
#USTIP: 083-887-5051

AR FERDINAND A. DUMPA		PROJECT	PROPOSED INTEGRATED TECHNOLOGY BUILDING
PRC NO.	0011130	PRJ NO.	0037033 A
DATE	03-29-2021	LOCATION	WEST JASARAN CAMPUS, NEGROS ORIENTAL
TIN	185-092-4074	PLACE	02, SALVADOR CITY

RECOMMENDING APPROVAL:
AR FERDINAND A. DUMPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

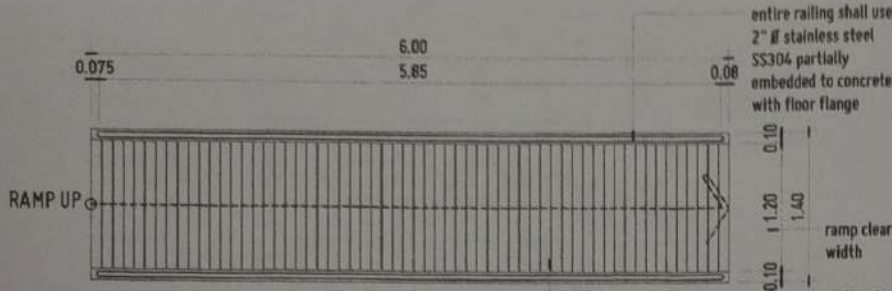
RECOMMENDING APPROVAL:
ATTY. EDUARDO S. SURE
SOLICITOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

APPROVED BY:
DR. AMBRISIO R. CULTURA II
PRESIDENT, USTIP SYSTEM

SHEET CONTAINS:
RAILING DETAIL

DRAWN BY:
JOSP
DATE DRAWING:
04.01.2021
INC:



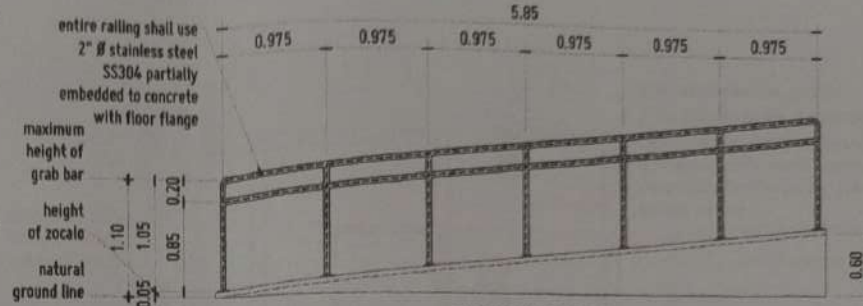


PLAN

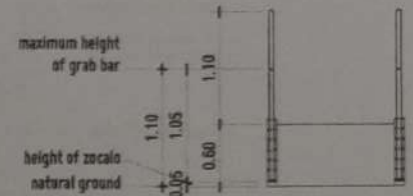
hatch indicates 5 mm, groove spaced at 10 cm.



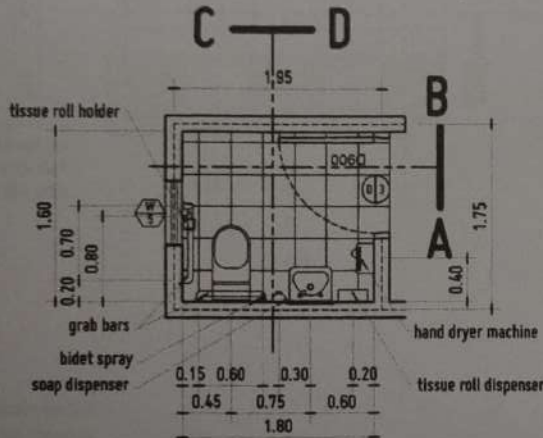
RAMP DETAIL
SCALE 1:50 HTS



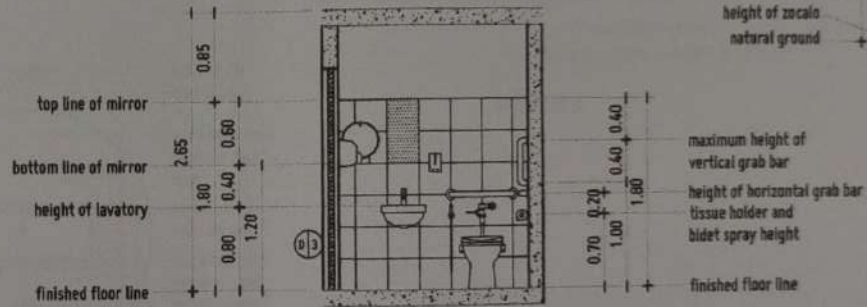
FRONT ELEVATION



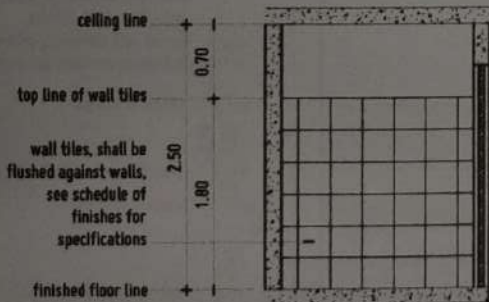
SIDE ELEVATION



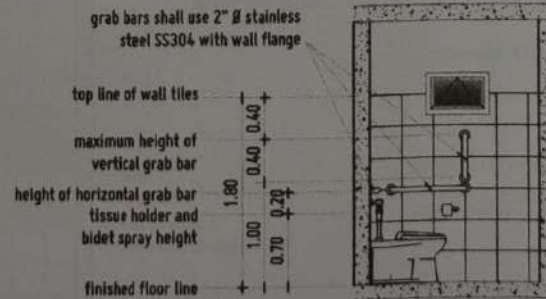
PLAN



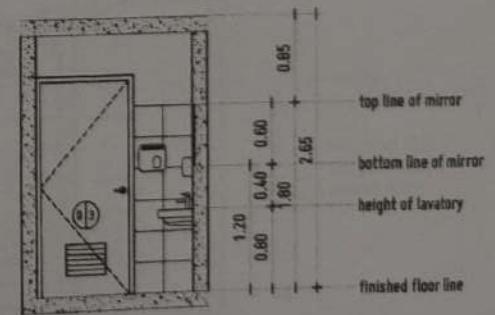
SECTION A



SECTION B



SECTION C



SECTION D



PWD TOILET DETAIL
SCALE 1:50 HTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF
SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CLAYTON K. JAVIER
INFRASTRUCTURE PLANNING AND FACILITY
DEVELOPMENT UNIT
C/A, KEYSTONE, SOUTHERN CROSSING, C/DA, C/DA
1500/1600/1700/1800/1900/2000/2100/2200/2300/2400/2500/2600/2700/2800/2900/3000/3100/3200/3300/3400/3500/3600/3700/3800/3900/4000/4100/4200/4300/4400/4500/4600/4700/4800/4900/5000/5100/5200/5300/5400/5500/5600/5700/5800/5900/6000/6100/6200/6300/6400/6500/6600/6700/6800/6900/7000/7100/7200/7300/7400/7500/7600/7700/7800/7900/8000/8100/8200/8300/8400/8500/8600/8700/8800/8900/9000/9100/9200/9300/9400/9500/9600/9700/9800/9900/10000/10100/10200/10300/10400/10500/10600/10700/10800/10900/11000/11100/11200/11300/11400/11500/11600/11700/11800/11900/12000/12100/12200/12300/12400/12500/12600/12700/12800/12900/13000/13100/13200/13300/13400/13500/13600/13700/13800/13900/14000/14100/14200/14300/14400/14500/14600/14700/14800/14900/15000/15100/15200/15300/15400/15500/15600/15700/15800/15900/16000/16100/16200/16300/16400/16500/16600/16700/16800/16900/17000/17100/17200/17300/17400/17500/17600/17700/17800/17900/18000/18100/18200/18300/18400/18500/18600/18700/18800/18900/19000/19100/19200/19300/19400/19500/19600/19700/19800/19900/20000/20100/20200/20300/20400/20500/20600/20700/20800/20900/21000/21100/21200/21300/21400/21500/21600/21700/21800/21900/22000/22100/22200/22300/22400/22500/22600/22700/22800/22900/23000/23100/23200/23300/23400/23500/23600/23700/23800/23900/24000/24100/24200/24300/24400/24500/24600/24700/24800/24900/25000/25100/25200/25300/25400/25500/25600/25700/25800/25900/26000/26100/26200/26300/26400/26500/26600/26700/26800/26900/27000/27100/27200/27300/27400/27500/27600/27700/27800/27900/28000/28100/28200/28300/28400/28500/28600/28700/28800/28900/29000/29100/29200/29300/29400/29500/29600/29700/29800/29900/30000/30100/30200/30300/30400/30500/30600/30700/30800/30900/31000/31100/31200/31300/31400/31500/31600/31700/31800/31900/32000/32100/32200/32300/32400/32500/32600/32700/32800/32900/33000/33100/33200/33300/33400/33500/33600/33700/33800/33900/34000/34100/34200/34300/34400/34500/34600/34700/34800/34900/35000/35100/35200/35300/35400/35500/35600/35700/35800/35900/36000/36100/36200/36300/36400/36500/36600/36700/36800/36900/37000/37100/37200/37300/37400/37500/37600/37700/37800/37900/38000/38100/38200/38300/38400/38500/38600/38700/38800/38900/39000/39100/39200/39300/39400/39500/39600/39700/39800/39900/40000/40100/40200/40300/40400/40500/40600/40700/40800/40900/41000/41100/41200/41300/41400/41500/41600/41700/41800/41900/42000/42100/42200/42300/42400/42500/42600/42700/42800/42900/43000/43100/43200/43300/43400/43500/43600/43700/43800/43900/44000/44100/44200/44300/44400/44500/44600/44700/44800/44900/45000/45100/45200/45300/45400/45500/45600/45700/45800/45900/46000/46100/46200/46300/46400/46500/46600/46700/46800/46900/47000/47100/47200/47300/47400/47500/47600/47700/47800/47900/48000/48100/48200/48300/48400/48500/48600/48700/48800/48900/49000/49100/49200/49300/49400/49500/49600/49700/49800/49900/50000/50100/50200/50300/50400/50500/50600/50700/50800/50900/51000/51100/51200/51300/51400/51500/51600/51700/51800/51900/52000/52100/52200/52300/52400/52500/52600/52700/52800/52900/53000/53100/53200/53300/53400/53500/53600/53700/53800/53900/54000/54100/54200/54300/54400/54500/54600/54700/54800/54900/55000/55100/55200/55300/55400/55500/55600/55700/55800/55900/56000/56100/56200/56300/56400/56500/56600/56700/56800/56900/57000/57100/57200/57300/57400/57500/57600/57700/57800/57900/58000/58100/58200/58300/58400/58500/58600/58700/58800/58900/59000/59100/59200/59300/59400/59500/59600/59700/59800/59900/60000/60100/60200/60300/60400/60500/60600/60700/60800/60900/61000/61100/61200/61300/61400/61500/61600/61700/61800/61900/62000/62100/62200/62300/62400/62500/62600/62700/62800/62900/63000/63100/63200/63300/63400/63500/63600/63700/63800/63900/64000/64100/64200/64300/64400/64500/64600/64700/64800/64900/65000/65100/65200/65300/65400/65500/65600/65700/65800/65900/66000/66100/66200/66300/66400/66500/66600/66700/66800/66900/67000/67100/67200/67300/67400/67500/67600/67700/67800/67900/68000/68100/68200/68300/68400/68500/68600/68700/68800/68900/69000/69100/69200/69300/69400/69500/69600/69700/69800/69900/70000/70100/70200/70300/70400/70500/70600/70700/70800/70900/71000/71100/71200/71300/71400/71500/71600/71700/71800/71900/72000/72100/72200/72300/72400/72500/72600/72700/72800/72900/73000/73100/73200/73300/73400/73500/73600/73700/73800/73900/74000/74100/74200/74300/74400/74500/74600/74700/74800/74900/75000/75100/75200/75300/75400/75500/75600/75700/75800/75900/76000/76100/76200/76300/76400/76500/76600/76700/76800/76900/77000/77100/77200/77300/77400/77500/77600/77700/77800/77900/78000/78100/78200/78300/78400/78500/78600/78700/78800/78900/79000/79100/79200/79300/79400/79500/79600/79700/79800/79900/80000/80100/80200/80300/80400/80500/80600/80700/80800/80900/81000/81100/81200/81300/81400/81500/81600/81700/81800/81900/82000/82100/82200/82300/82400/82500/82600/82700/82800/82900/83000/83100/83200/83300/83400/83500/83600/83700/83800/83900/84000/84100/84200/84300/84400/84500/84600/84700/84800/84900/85000/85100/85200/85300/85400/85500/85600/85700/85800/85900/86000/86100/862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AR. FERDINAND A. DUMPA
ARCHITECT
P/C NO. 013329 P/TB NO. 0528233 A
DATE 02-16-2021 LOCATION
FIN 105-052-EDT PLACE 01 SALVADOR CITY

PROJECT
OWNER

PROPOSED
INTEGRATED TECHNOLOGY BUILDING
USTP JAGAN CAMPUS, HIGASIN DENZEL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

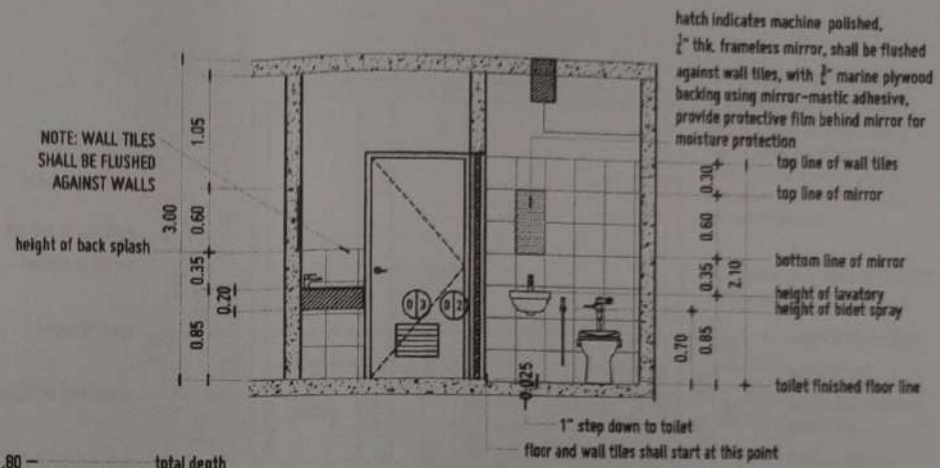
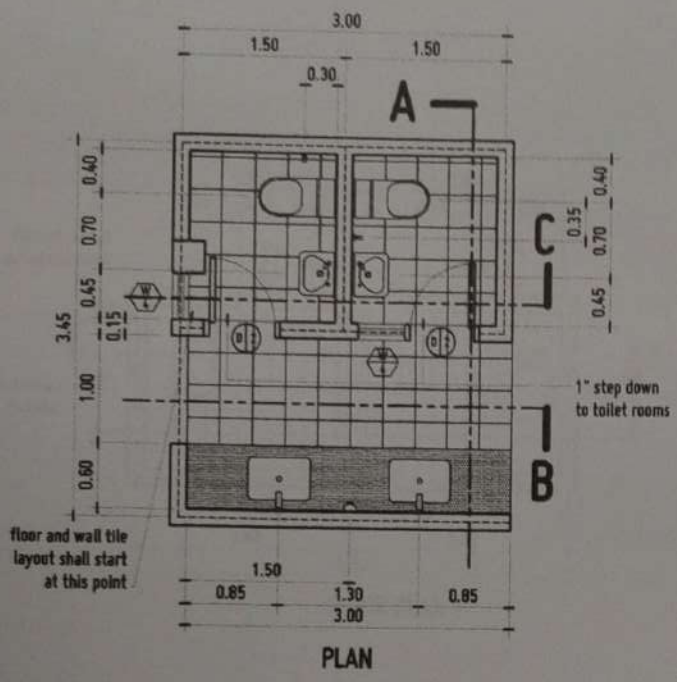
RECOMMENDING APPROVAL
AR. FERDINAND A. DUMPA
DRAWN: JERALYN L. DELA CRUZ
CHECKED: JERALYN L. DELA CRUZ

RECOMMENDING APPROVAL
KITTY FERDINAND DUMPA
CHECKED: KITTY FERDINAND DUMPA

APPROVED BY
DR. AMBRASIA CULTURA II
PRESIDENT, USTP SYSTEM

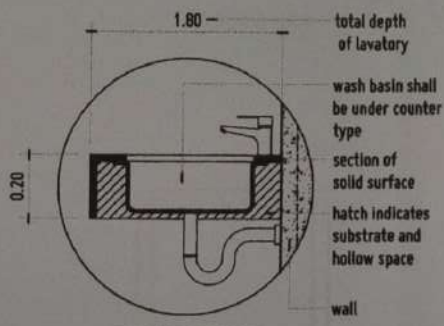
SHEET CONTENTS: PWD TOILET DETAIL RAMP DETAIL	DRAWN BY: JSDP
	DATE DRAWN: 08/13/2021
	ENC:

A16

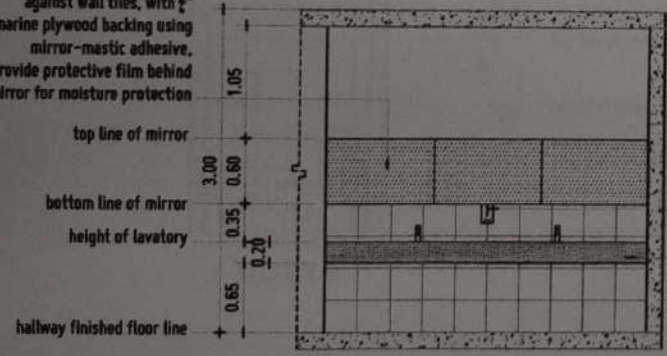


hatch indicates machine polished, 1/2" thk. frameless mirror, shall be flushed against wall tiles, with 1/2" marine plywood backing using mirror-mastic adhesive, provide protective film behind mirror for moisture protection

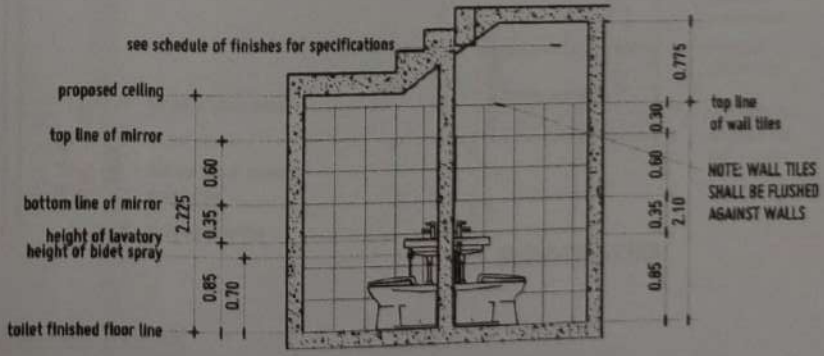
top line of wall tiles
top line of mirror
bottom line of mirror
height of lavatory
height of bidet spray
toilet finished floor line



hatch indicates machine polished, 1/2" thk. frameless mirror, shall be flushed against wall tiles, with 1/2" marine plywood backing using mirror-mastic adhesive, provide protective film behind mirror for moisture protection



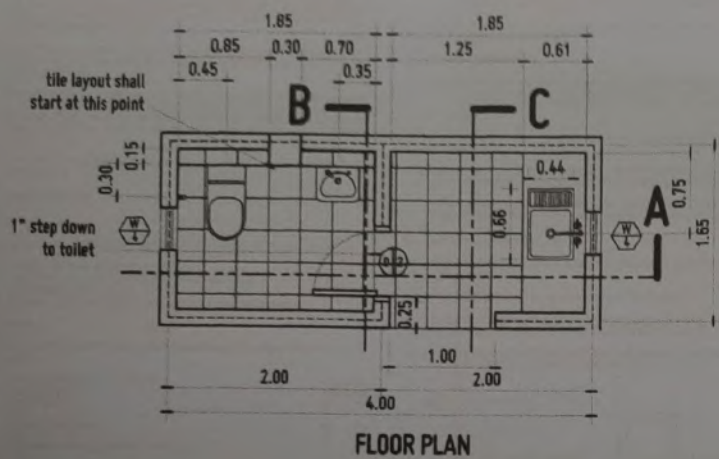
soap dispenser
hatch indicates black solid surface



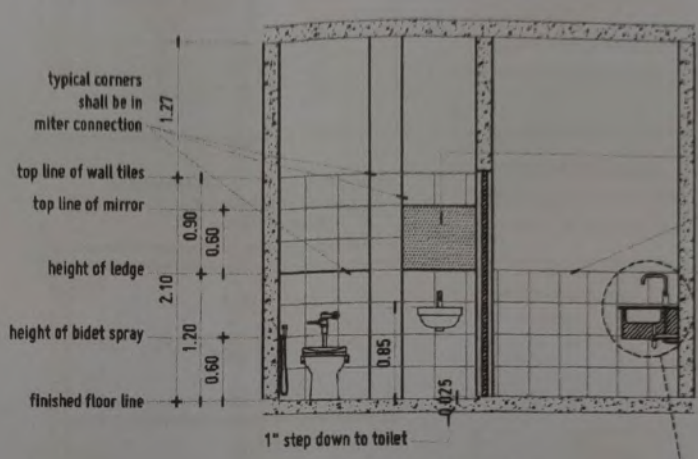
MALE AND FEMALE TOILET DETAIL
SCALE 1/32" = 1'-0"



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES OFFICE OF THE BUILDING OFFICIAL INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT C.A. ARON P.O. BOX 26, CAGAYAN CAMPUS, CAGAYAN DE ORO CITY 9000 ALABANG CAMPUS, CAGAYAN DE ORO CITY 9000 TEL: (903) 722-1800 FAX: (903) 722-1800 WWW.USTIP.EDU.PH		PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING LOCATION: USTP JASARAN CAMPUS, HIGAYON ORIENTAL, UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES		RECOMMENDING APPROVAL: AR. FERDINAND A. DUMPA DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT		RECOMMENDING APPROVAL: ATTY. ERMIL B. DUMAO VP FOR ADMINISTRATION, GENERAL AFFAIRS		APPROVED BY: DR. ANDRES M. CULTURA II PRESIDENT, USTP SYSTEM		SHEET CONTENTS: MALE AND FEMALE TOILET DETAIL		DRAWN BY: JUMP DATE DRAWN: 03/21/2021 INCH:	
PRJ. NO.: 1011215 DATE: 02-19-2021 T/M: 185-007-031	REVISED: 0124253 A PLACE: EL SALVADOR CITY	OWNER:	SCALE:	SHEET NO.:	TOTAL SHEETS:	TOTAL SHEETS:	TOTAL SHEETS:	TOTAL SHEETS:	TOTAL SHEETS:	TOTAL SHEETS:	TOTAL SHEETS:	TOTAL SHEETS:	



FLOOR PLAN

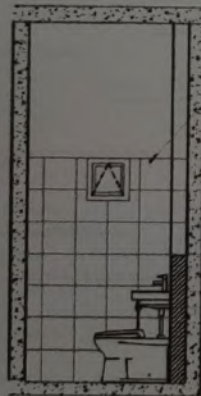


SECTION A

hatch indicates machine polished, 1/2" thick frameless mirror, shall be flushed against wall tiles, with 3/4" marine plywood backing using mirror-mastic adhesive, provide protective film behind mirror for moisture protection

NOTE: WALL TILES SHALL BE FLUSHED AGAINST WALLS

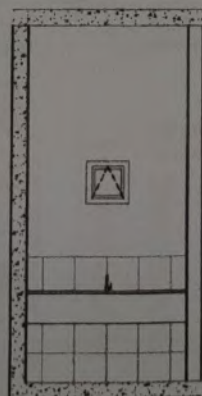
height of black splash
height of sink
bottom line of kitchen countertop
finished floor line



SECTION B

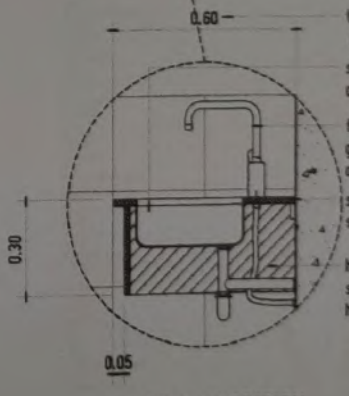
NOTE: WALL TILES SHALL BE FLUSHED AGAINST WALLS

top line of wall tile
top line of mirror
height of ledge
height of lavatory
height of bidet spray
finished floor line



SECTION C

height of black splash
height of sink
bottom line of kitchen countertop
finished floor line



BLOW-UP SECTION

total depth of lavatory
sink shall be under counter type
faucet shall be gooseneck or equivalent
section of solid surface
hatch indicates substrate and hollow space

OFFICE TOILET AND KITCHNETTE DETAIL
SCALE 1:50 R12



OFFICE OF THE PHILIPPINE UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT DIVISION
C.A. ARROYO AVE., CAGAYAN DE ORO CITY 9000
TELEPHONE: (083) 771-6011 / (083) 771-1187
FAX: (083) 771-1182 / (083) 771-1183
WWW.PUP-SUP.EDU.PH

DESIGNED BY: **AR. FERDINAND A. DUMPA**
DRAWN BY: [Signature]
PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING
PRJ. NO.: 001-2378
SITE NO.: 001-2378-3-A
DATE: 02-24-2021
LOCATION: BOST JASAHAN CAMPUS, PESAMO ORIENTAL
TIN: 105-002-031
PLACE: EL SALVADOR CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
BOST JASAHAN CAMPUS, PESAMO ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
[Signature]
AR. FERDINAND A. DUMPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT OFFICE

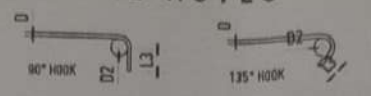
RECOMMENDING APPROVAL:
[Signature]
ATTY. ERWIN B. DELOS
OFFICE ADMINISTRATOR & RECORDS OFFICER

APPROVED BY:
[Signature]
DR. ANDREW B. CULTURA II
VICE CHANCELLOR, USTIP SYSTEM

SHEET CONTENTS:
OFFICE TOILET AND KITCHNETTE DETAIL
DRAWN BY:
JOB:
DATE DRAWN:
02.14.2021
PLOT:

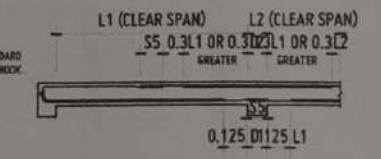
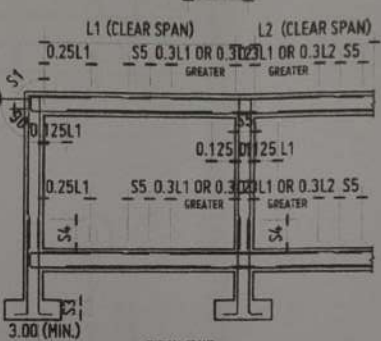
A18

GENERAL NOTES



BARS (MM)	STIRRUPS AND TIES	
	MINIMUM BEAM DIAMETER	EXTENSION L3 (MM)
#8	50	50
#10	60	60
#12	50	70
#14	55	85
#16	65	95

UNLESS OTHERWISE INDICATED, THE FOLLOWING MINIMUM DEVELOPMENT AND LAP LENGTHS SHALL BE USED



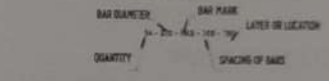
BARS (MM)	MIN. DEVELOPMENT LENGTH				MIN. LAP LENGTH			
	IN TENSION		IN COMPRESSION		IN TENSION		IN COMPRESSION	
	S1 (MM)	S2 (MM)	S3 (MM)	S4 (MM)	S5 (MM)	S6 (MM)	S7 (MM)	
#8	420	325	200	470	300	300	300	
#10	515	405	210	575	300	300	300	
#12	630	485	250	630	355	355	355	
#14	735	585	295	735	470	470	470	
#16	840	645	335	840	470	470	470	
#18	945	725	380	945	530	530	530	
#20	1050	805	420	1050	590	590	590	
#22	1140	1110	480	1140	630	630	630	
#24	1260	1260	525	1260	735	735	735	
#26	1410	1410	590	1410	825	825	825	
#28	1510	1510	630	1510	880	880	880	
#32	2085	1815	670	2085	940	940	940	

NOTES:
1. THE INDICATED MINIMUM DEVELOPMENT AND LAP LENGTHS FOR CLASS 'C' CONCRETE. FOR 'A' OTHER THAN 'B' 25 MPa, THE VALUES OF S1, S2, S3 AND S4 SHALL BE MULTIPLIED BY 0.7.
2. WHEN LIGHTWEIGHT AGGREGATE CONCRETE IS USED, INDICATE VALUE OF S1 AND S2 SHALL BE MULTIPLIED BY 1.1. HOWEVER WHEN THE AVERAGE SPECIFIC GRAVITY (GAMMA) OF LIGHTWEIGHT AGGREGATE CONCRETE (CUBIC METER) IS 2000 KG/M3, S1 AND S2 SHALL BE PERMITTED TO BE MULTIPLIED BY 1.0. S3 AND S4 SHALL BE PERMITTED TO BE MULTIPLIED BY 1.0.
3. FOR LIGHTWEIGHT BARS, S1 AND S2 SHALL BE MULTIPLIED BY 1.1.
4. LAP AND DEVELOPMENT LENGTHS OF INDETERMINATE BARS WITHIN A JOINT SHALL BE THAT FOR INDIVIDUAL BARS MULTIPLIED BY 2.0 FOR SINGLE BAR BUNDLE, 1.75 FOR TRIPLE BAR BUNDLE.

BARS (MM)	MINIMUM BEAM DIAMETER		EXTENSION	
	D1 (MM)	L1 (MM)	L2 (MM)	L3 (MM)
#8	50	60	60	95
#10	60	60	60	125
#12	70	60	60	145
#14	85	60	60	175
#16	95	65	70	190
#18	110	70	70	215
#20	120	80	80	240
#22	130	90	90	265
#24	150	100	100	290
#28	225	110	110	335

- 5. MASONRY
5.1 MASONRY UNITS SHALL COMPLY TO THE REQUIREMENTS OF ACI 530/ASCE 5
5.2 MASONRY EXPANSION AND CONTRACTION JOINT REQUIREMENTS SHALL BE AS INDICATED
5.3 UNLESS OTHERWISE INDICATED, ALL WALLS SHALL BE LAY IN FORMING BARS
5.4 FINISHING BARS SHALL BE PROVIDED IN THE CRACK ZONE AND SPACING AS INDICATED, PROVIDED BARS AT ALL WALL CORNERS, INTERSECTIONS AND OPENINGS
5.5 FLOOR LEVELS SHALL BE PROVIDED FROM FOUNDATIONS TO FINISH VERTICAL BARS
5.6 LEVEL BEAR SHALL BE PROVIDED ABOVE ALL WALL OPENINGS

- 6. STEEL
6.1 ALL STRUCTURAL STEEL SHALL COMPLY TO THE REQUIREMENTS OF AISI 360-58
- 7. NOTES FOR DRAWING NOMENCLATURES
7.1 ALL DIMENSIONS ARE IN MILLIMETERS AND DECIMALS ARE IN METERS UNLESS OTHERWISE NOTED
7.2 INSULATED COMPONENTS SHALL PROVIDE AIR-SEAL, WEATHER BARRIER, AND WATERPROOFING
7.3 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LETS CORRECTING SHALL NOTIFY THE PEER OF ANY DISCREPANCY
7.4 ALL REINFORCING BARS SHALL BE AS FOLLOWS:

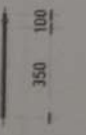


8. ABBREVIATIONS

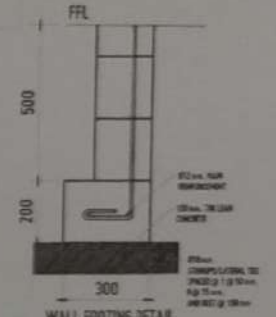
- ACI - AMERICAN CONCRETE INSTITUTE
- ASCE - AMERICAN SOCIETY OF CIVIL ENGINEERS
- ASPC - AMERICAN SOCIETY OF PROFESSIONAL CIVIL ENGINEERS
- ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS
- AWS - AUSTRALIAN WELDING SOCIETY
- B - BOTTOM
- BT - BACK FACE
- BY - REINFORCING
- CL - CENTER LINE
- CLR - CLEAR
- CMS - CONCRETE MASONRY UNIT
- CONC - CONCRETE
- CONTR - CONTRACTOR
- DM - DIMENSIONS
- DM - DIMENSIONS
- DT - DETAIL
- OS - OSBARKING
- RF - FACE
- RL - ROSTERING LEVEL
- EL - ELEVATION
- REG - REGULAR
- EW - EAST FACE
- ET - ELEVATION
- FR - FRONT FACE
- FW - FINISH
- LOC - LOCATION
- LOC - LOCATION
- INT - INTERIOR
- LOC - LOCATION
- MANH - MANHOLE
- NEL - NOT TO SCALE
- IN - INCHES
- REIN - REINFORCING BAR
- REIN - REINFORCING BAR
- REIN - REINFORCING BAR
- SECTION
- SP - SPACING
- SYMBOLS
- SYMBOLS
- T - TOP
- TR - TRAIL
- TR - TRAIL
- UNL - UNLESS OTHERWISE NOTED
- VERT - VERTICAL
- WALL - WALL OR FINISH
- WH - WELDED WIRE FABRIC

9. WATER PROOFING

- 9.1 ALL STRUCTURAL CONCRETE IN CONTACT WITH THE GROUND SHALL BE PROTECTED AGAINST WATER PENETRATION BY A WATERPROOFING SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SELECTION OF THE WATERPROOFING SYSTEM TO BE USED IN ALL CASES AND THE WATERPROOFING SHALL BE IN ACCORDANCE WITH THE DETAILED DRAWING.
9.2 WATERPROOFING SHALL BE APPLIED TO THE TOP OF THE CONCRETE AND ABOVE.



ANCHOR BOLT DETAIL



- 1. GENERAL
1.1 THE STRUCTURAL DRAWINGS SHALL BE READ IN CONNECTION WITH THE DRAWINGS OF ALL OTHER TRADES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF EACH TRADE AS TO CLEARANCES, CHANGES, HEIGHTS, ANCHORS, OPENINGS AND OTHER ITEMS TO BE PLACED FIRST IN THE STRUCTURAL WORK.
1.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMING WITH ALL SAFETY PRECAUTIONS AND INSULATIONS DURING THE WORK.
1.3 THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND SHALING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATIONAL, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF CRACKING BEHAVIOR, 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 IN CONSTRUCTION SHALL BE USED SUBJECT TO THE APPROVAL OF THE ARCHITECT.
1.5 DIMENSIONS APPLIED TO THE STRUCTURE DURING THE PROGRESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFT LOAD-CARRYING CAPACITY OF THE STRUCTURE. DIMENSIONS OF THE STRUCTURE ARE INDICATED IN THE 'DESIGN CRITERIA NOTES' DO NOT APPLY ANY CONSTRUCTION BRACING UNLESS STRUCTURAL BRACING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.
1.6 ALL MATH AND OTHER REFERENCES ARE FOR 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 CODES OF STANDARDS PRACTICE:
A. NATIONAL STRUCTURAL CODE OF THE PHILIPPINES
B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-08)
C. INTERNATIONAL BUILDING CODE (IBC)
D. STRUCTURAL ENGINEERING INSTITUTE/AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE 7)
2.1.2 THE FOLLOWING STRUCTURAL MATERIALS AND THEIR CORRESPONDING STRENGTHS ARE ADOPTED IN THE DESIGN:
A. CONCRETE CYLINDER STRENGTH AT 28 DAYS: $f'_c = 28 \text{ MPa}$
B. CONCRETE COMPRESSIVE STRENGTH: $f'_m = 20 \text{ MPa}$
C. REINFORCING BARS: $f_y = 414 \text{ MPa}$
D. STRUCTURAL STEEL PLATES AND SHEARS - ASTM A36: $F_y = 34 \text{ MPa}$
E. ANCHOR BOLTS - ASTM A307: $F_t = 740 \text{ MPa}$
F. ANCHOR BOLTS - ASTM A325: $F_t = 720 \text{ MPa}$

2.2 DESIGN LOADS

- 2.2.1 DEAD LOADS: DESIGN QUANTITY DEAD LOADS USED IN THE DESIGN ARE AS FOLLOWS:
A. CONCRETE: 24 kN/m³
B. 75 MM FLOOR TOPPING + FINISH: 1.5 kN/m²
C. 100 MM CONCRETE MASSURY SHEET: 2.70 kN/m²
D. 150 MM CONCRETE MASSURY SHEET: 3.38 kN/m²
E. ROOF TOPPING - INSULATION - MEMBRANE: 1.50 kN/m²
2.2.2 LIVE LOADS: DESIGN QUANTITY LIVE LOADS USED IN THE DESIGN ARE AS FOLLOWS:
A. FLOOR LIVE LOAD: 7.5 kN/m²
B. ROOF LIVE LOAD: CONCRETE ROOF 1.8 kN/m²
STEEL ROOF 4.8 kN/m²
C. CEILING, STAIRS & BALCONIES: 5.0 kN/m²

2.3 WIND LOAD

- 2.3.1 WIND LOAD ON STRUCTURE SHALL BE COMPUTED AND APPLIED IN CONFORMANCE TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.
2.3.2 DESIGN WIND PRESSURES
A. BASIC WIND VELOCITY FOR SAGADA, PANGASINAN ARE AS FOLLOWS: 150 KPH
B. COMPLETE DESIGN WIND SHALL BE OBTAINED AT 10 MIN IN BOTH FAULTS 8 & 11
2.3.3 ADJUSTMENT FACTOR FOR BUILDING HEIGHT AND EXPOSURE (Kz)
A. ADJUSTMENT FACTOR FOR BUILDING HEIGHT AND EXPOSURE (Kz) SHALL BE AS GIVEN IN FIGURE 6-7 OF SECTION 6
2.3.4 IMPORTANCE FACTOR (I)
A. IMPORTANCE (I) SHALL BE AS DEFINED IN SECTION 6.5.5 OF SECTION 7
2.3.5 EXPOSURE CATEGORY
A. AN EXPOSURE CATEGORY SHALL BE IN ACCORDANCE WITH SECTION 6.5.8 OF SECTION 7
2.3.6 SAFETY LOADS

3. CONCRETE

- 3.1 GENERAL
3.1.1 STRUCTURAL CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
3.1.2 CONCRETE SHALL BE READY-PLACED UNLESS OTHERWISE APPROVED
3.1.3 CONCRETE SHALL COMPLY TO THE REQUIREMENTS OF ALL STANDARDS
3.1.4 REINFORCEMENT FOR CONCRETE SHALL COMPLY TO THE REQUIREMENTS OF ACI BUILDING CODE 318.7.1(b)-7.5

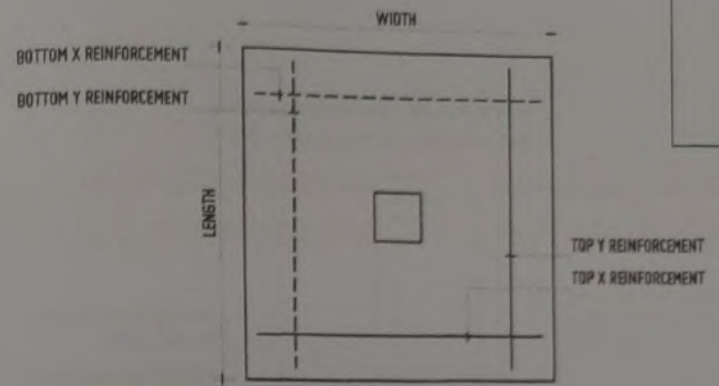
ERNESTO CH. QUILOTE
PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING
DATE: 01-12-2021
PLACE: S.L. SALVADOR CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
RECOMMENDING APPROVAL: AR. FERDINAND A. DUMPA
RECOMMENDING APPROVAL: ATTY. ERWIN B. BUENO
APPROVED BY: DR. AMBROSIO M. CULTURA II
SHEET CONTENTS: GENERAL NOTES AND DETAILS, VICINITY MAP
DRAWN BY: FVL, ZMP, DATE DRAWING: 01-01-2021

RECOMMENDING APPROVAL: AR. FERDINAND A. DUMPA
RECOMMENDING APPROVAL: ATTY. ERWIN B. BUENO

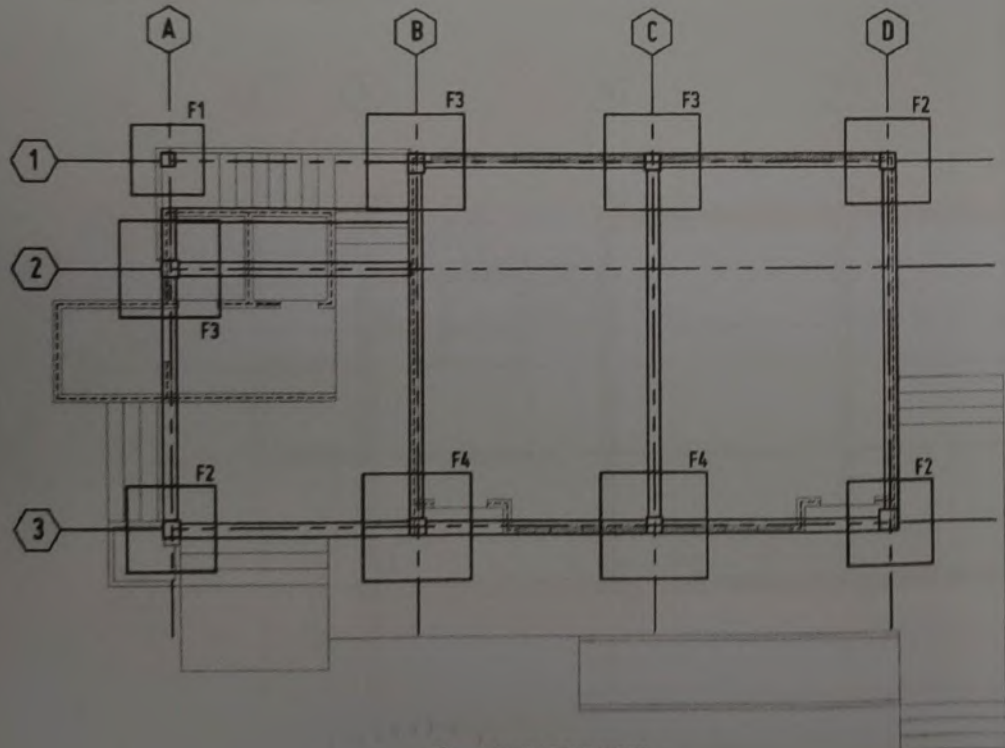
APPROVED BY: DR. AMBROSIO M. CULTURA II
REPUBLIC OF THE PHILIPPINES OFFICE OF THE BUILDING OFFICIAL
S1

SCHEDULE OF FOUNDATION								
DESIGNATION	DIMENSION		THICKNESS	BAR DIAMETER	MAIN REINFORCEMENT			
	LENGTH	WIDTH			BOT X	BOT Y	TOP X	TOP Y
F1	1300	1300	300	Ø 16 MM	6	6	5	5
F2	1600	1600	350	Ø 16 MM	7	7	6	6
F3	1800	1800	350	Ø 16 MM	8	8	6	6
F4	2000	2000	400	Ø 16 MM	9	9	7	7

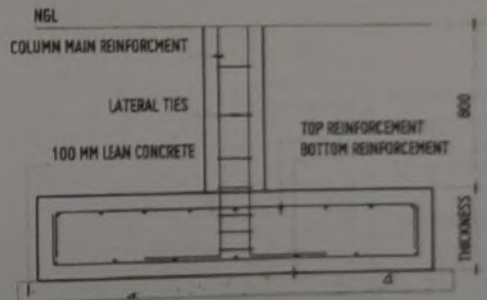


NOTE: FOOTING HAS A CONCRETE COVER OF 75 MM.

FOOTING DETAILS (TYPICAL)

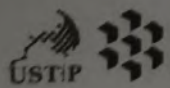


FOUNDATION LAYOUT
SCALE 1:100 MTS



FOOTING SECTION (TYPICAL)

FOOTING SCHEDULE AND DETAILS
SCALE 1:100 MTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY - SOUTHERN PHILIPPINES
SALVADOR BRANCH CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
P.O. BOX 1000, SALVADOR BRANCH CAMPUS, UNIVERSITY OF SCIENCE AND TECHNOLOGY - SOUTHERN PHILIPPINES
DUPONT AVENUE, SALVADOR BRANCH CAMPUS, UNIVERSITY OF SCIENCE AND TECHNOLOGY - SOUTHERN PHILIPPINES

ERNESTO CH. QUIJOTE
CIVIL/STRUCTURAL ENGINEER
P.E. NO. 024450 P.F. NO. 021644 A
DATE 01-12-2011
PLACE IN SALVADOR CITY

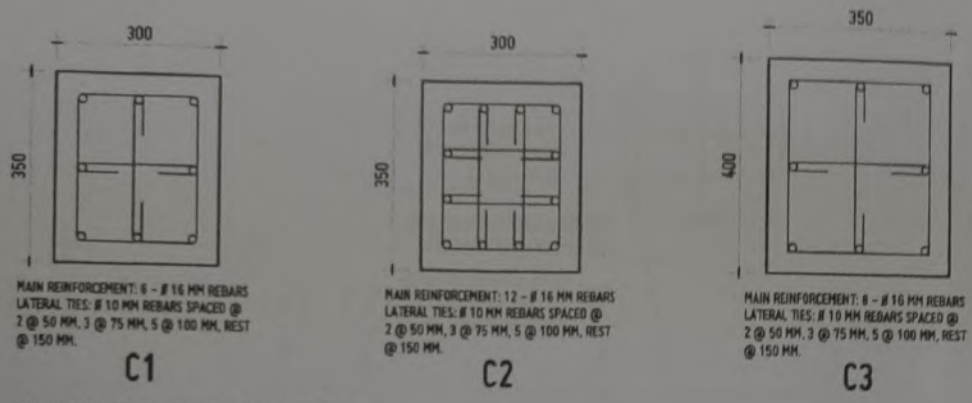
PROPOSED INTEGRATED TECHNOLOGY BUILDING
UNIVERSITY OF SCIENCE AND TECHNOLOGY - SOUTHERN PHILIPPINES
SALVADOR BRANCH CAMPUS, DUPONT AVENUE, SALVADOR CITY

REGISTERED ARCHITECT
AR. FERDINAND A. DUMPA
REGISTERED ARCHITECT

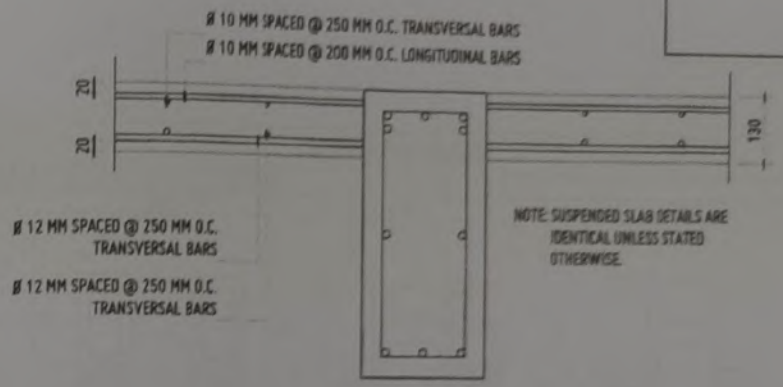
REGISTERED ARCHITECT
ALY P. ERON B. BOND
REGISTERED ARCHITECT

REGISTERED ARCHITECT
DR. AMBROSIO B. CULTURA II
REGISTERED ARCHITECT

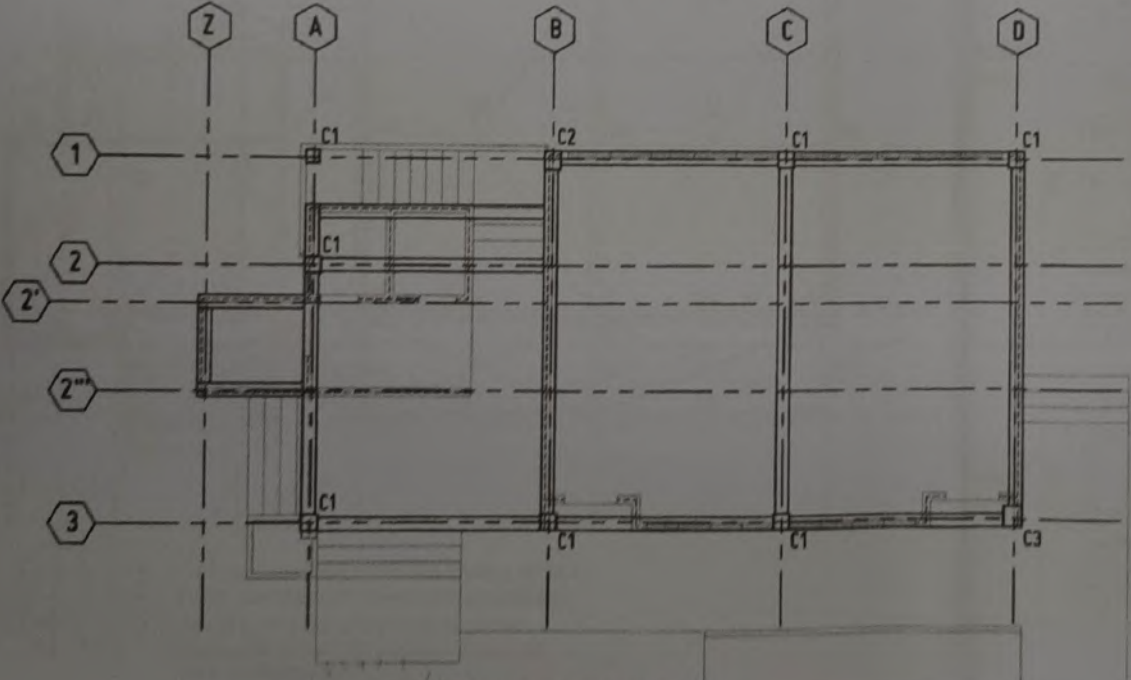
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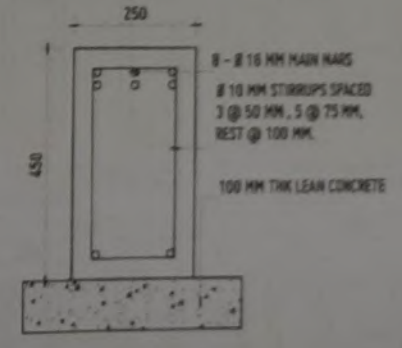
NOTE: COLUMNS HAS A CONCRETE COVER OF 40 MM.



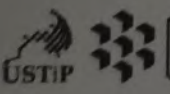
SUSPENDED SLAB DETAIL
SCALE: 1:100 (R/S)



COLUMN AND BEAM LAYOUT
SCALE: 1:100 (R/S)



TIE BEAM DETAIL
SCALE: 1:100 (R/S)



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY - OFFICE OF THE BUILDING OFFICIAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF THE PHILIPPINES
INTEGRATED TECHNOLOGY BUILDING
REINFORCEMENT PLAN

ERNESTO CH. QUIJOTE
E/CIVIL / STRUCTURAL ENGINEER
PROJ. NO. 0646510 P/R NO. 0515548 A
DATE: 01-12-2021
TIN: 152-220-763 PLACE: 41 SALVADOR CITY

PROPOSED INTEGRATED TECHNOLOGY BUILDING
OWNER: USTIP JAGARAN CAMPUS, PIGARAO DISTRICT
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF THE PHILIPPINES

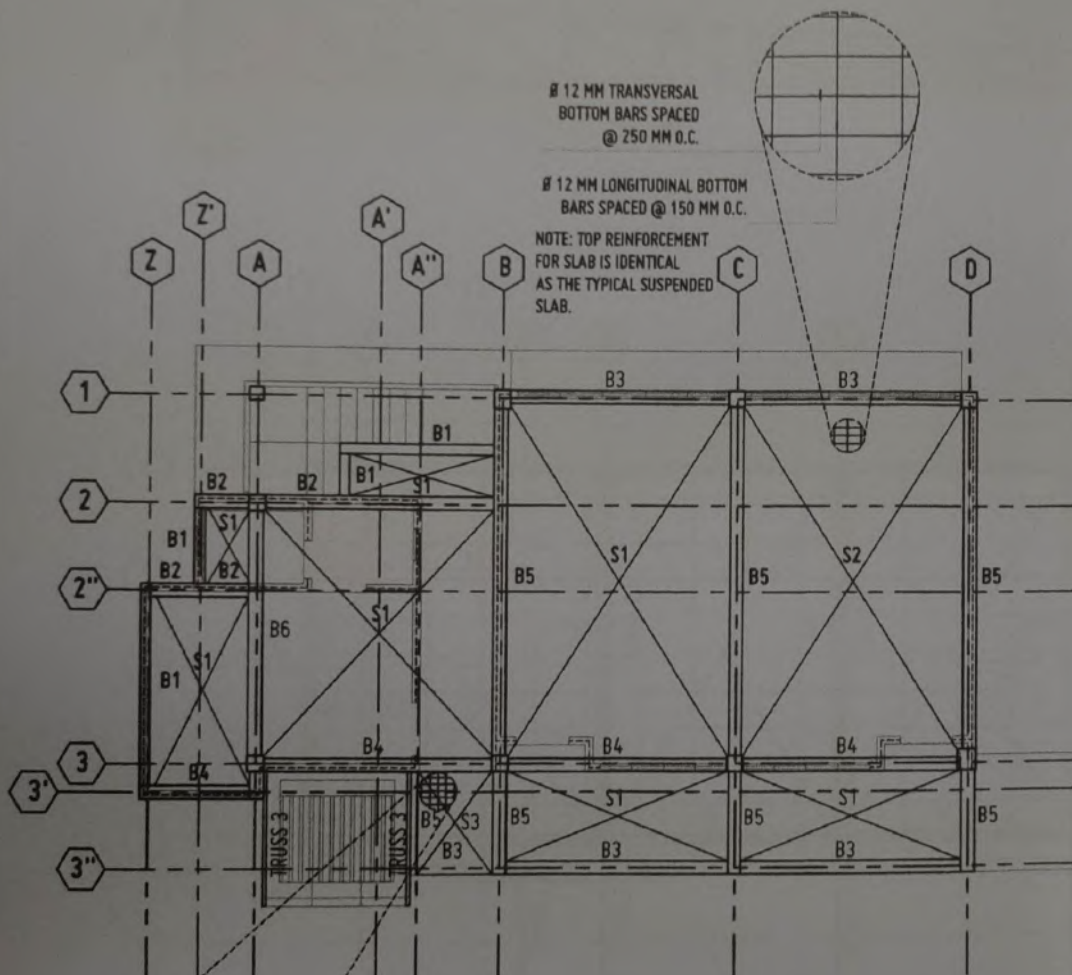
RECOMMENDING APPROVAL:
MR. FERDINAND B. DOMIN
DIRECTOR, USTIP JAGARAN CAMPUS

RECOMMENDING APPROVAL:
ATTY. EDWIN B. DOMIN
FOR THE ARCHITECTURE & PLANNING DEPT.

APPROVED BY:
DR. AMBROSIO B. CULTURA II
DIRECTOR, USTIP CENTER

DATE: 01-12-2021
SCALE: 1:100 (R/S)





Ø 12 MM TRANSVERSAL
BOTTOM BARS SPACED
@ 250 MM O.C.

Ø 12 MM LONGITUDINAL BOTTOM
BARS SPACED @ 150 MM O.C.

NOTE: TOP REINFORCEMENT
FOR SLAB IS IDENTICAL
AS THE TYPICAL SUSPENDED
SLAB.

Ø 12 MM LONGITUDINAL BOTTOM BARS SPACED @ 150 MM O.C.
Ø 12 MM TRANSVERSAL BOTTOM BARS SPACED @ 125 MM O.C.

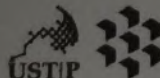
NOTE: USE Ø 12 MM INSTEAD OF Ø 10 MM FOR THE TOP
REINFORCEMENT OF SLAB WITH IDENTICAL SPACING AS THE
TYPICAL SUSPENDED SLAB.



SECOND FLOOR BEAM LAYOUT

SCALE 1:100 HIS

SCHEDULE OF BEAMS			
LEVEL	DETAILS		
SECOND FLOOR	B1	B2	B3
	B4	B5	B6
	RB1	RB2	RB3
	<p>STIRRUPS: Ø 10 MM REBARS SPACED @ 2 @ 50 MM, 3 @ 75 MM, 5 @ 100 MM, REST @ 150 MM.</p>		
	<p>STIRRUPS: Ø 10 MM REBARS SPACED @ 2 @ 50 MM, 3 @ 75 MM, 5 @ 100 MM, REST @ 150 MM.</p>		
	<p>STIRRUPS: Ø 10 MM REBARS SPACED @ 2 @ 50 MM, 3 @ 75 MM, 5 @ 100 MM, REST @ 150 MM.</p>		
ROOF LEVEL	<p>STIRRUPS: Ø 10 MM REBARS SPACED @ 2 @ 50 MM, 3 @ 75 MM, 5 @ 100 MM, REST @ 150 MM.</p>		



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF
SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY
DEVELOPMENT UNIT
100 UNIVERSITY AVENUE, CAGAYAN DE ORO CITY NEW
TELEPHONE & CABLE NO. 812 2201-101-109 /
812 2201-102 FAX NO. 812-4861-4862
WWW.USTIP.UTSIP.EDU.PH

ERNESTO CH. QUIJOTE
CIVIL/STRUCTURAL ENGINEER
PRC NO. 0244940 PFR NO. 0515464 0
DATE 01-12-2021
FIRM 152-220-742 PLACE EL SALVADOR CITY

**PROPOSED
INTEGRATED TECHNOLOGY BUILDING**
LOCATION VISTA JASARAN CAMPUS, HIGUARD ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

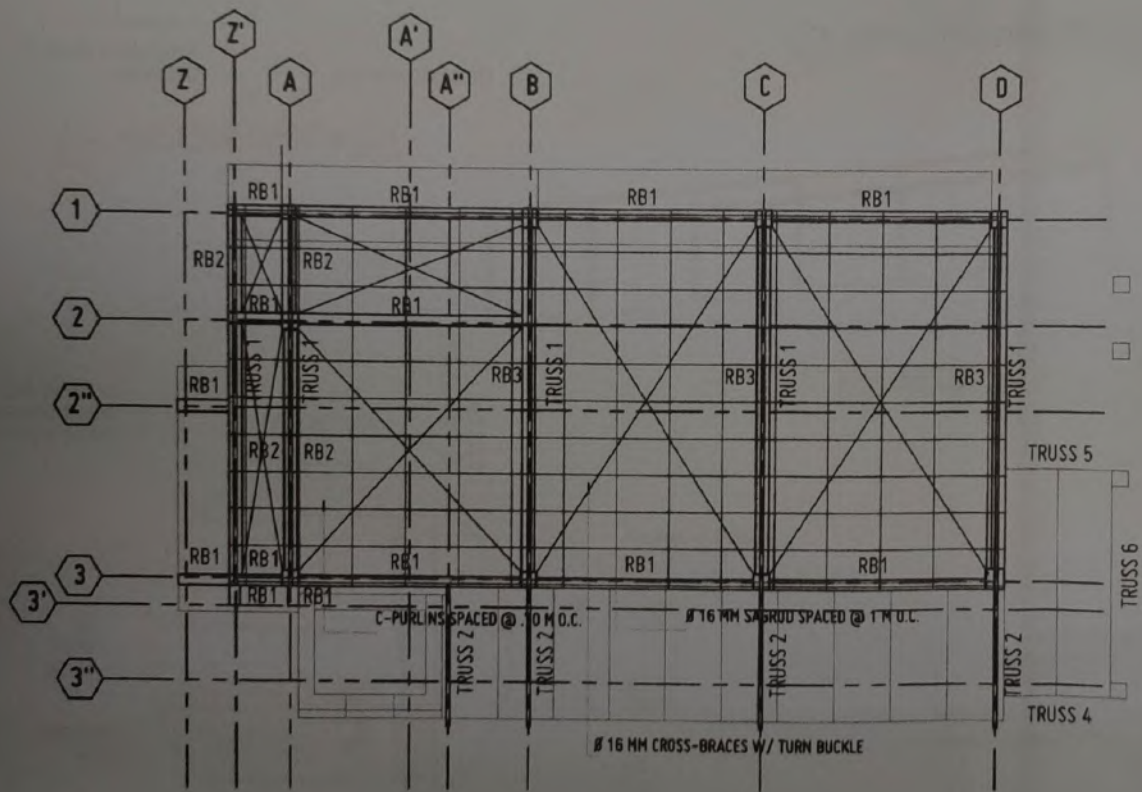
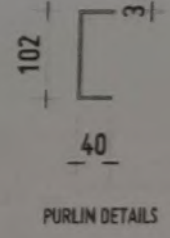
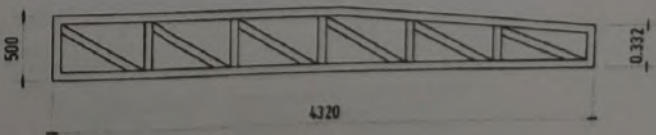
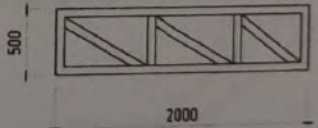
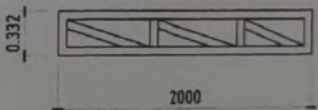
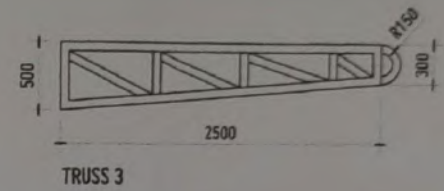
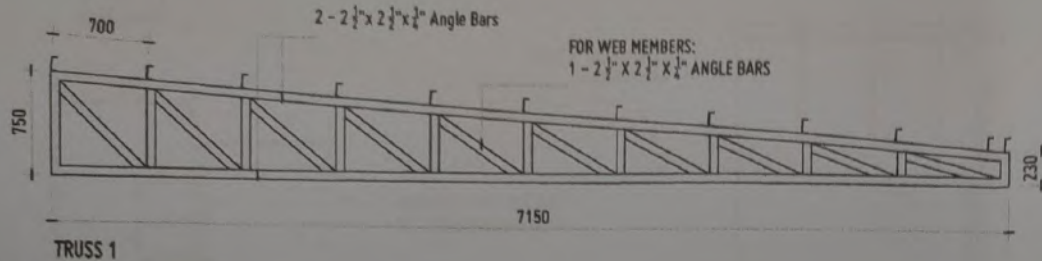
RECOMMENDING APPROVAL:
AR. FERDINANDA DONPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT OFFICE

RECOMMENDING APPROVAL:
ATTY. ERWIN S. BURKI
SVP FOR LEGAL AFFAIRS AND COMPLIANCE OFFICER

APPROVED BY:
DR. AMBRASIO CULTURA II
PRESIDENT, USTIP SYSTEM

SHEET CONTENTS:
SECOND FLOOR BEAM LAYOUT
SCHEDULE OF BEAMS
DRAWN BY:
HLS, JUPPP
DATE DRAWING:
04.01.2021
REV:

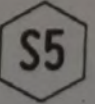
S4

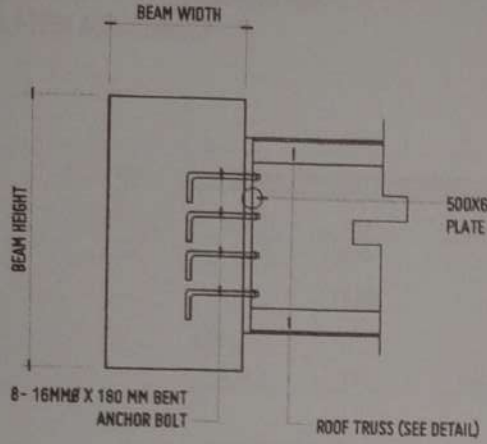


5
1 5
ROOF BEAM AND TRUSS LAYOUT
SCALE 1:100

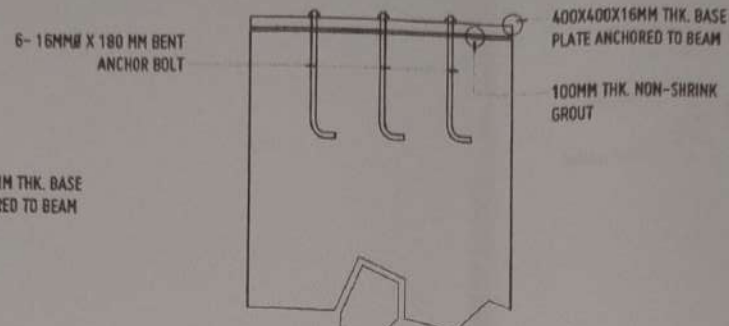


REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOFTRON PHILIPPINES LABORATORY OF DESIGN, ARCHITECTURE, PLANNING AND FACILITY DEVELOPMENT UNIT C.A. HERRERA DRIVE, LAUREL BAY, LOS BAÑOS, CAVITE TEL: (02) 708-1111 FAX: (02) 708-1111 WWW.USTIP.UTP.SYS		ERNESTO CH. QUIJOTE CIVIL/STRUCTURAL ENGINEER PR. NO. 004540 PIR. NO. 051944 A DATE 01-12-2021 TIN 112-340-743 PLACE EL SALVADOR CITY		PROPOSED INTEGRATED TECHNOLOGY BUILDING USTP JASARAN CAMPUS, MARIAS GORRAL UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOFTRON PHILIPPINES		RECOMMENDING APPROVAL: AR. FERNANDO Z. DUMPA DIRECTOR, ARCHITECTURE, DESIGN & ENVIRONMENTAL DEVELOPMENT OFFICE		RECOMMENDING APPROVAL: AFY. ERWIN B. BULAN VP FOR ARCHITECTURE & ENVIRONMENTAL DEVELOPMENT		APPROVED BY: DR. AMOROSO B. CULTURA II PRESIDENT, USTP SYSTEM		SHEET CONTENTS: ROOF BEAM AND TRUSS LAYOUT TRUSS, PURLIN DETAILS		SHEET NO. USTP 220P DATE DRAWN 06.21.2021 INT.	
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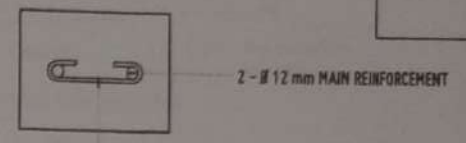




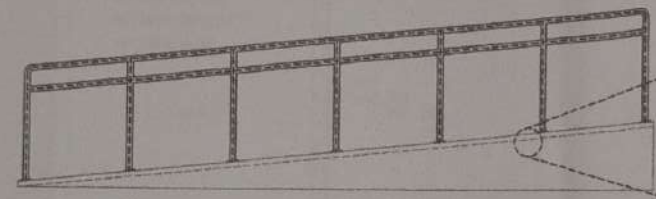
BEAM TO TRUSS CONNECTION DETAIL
SCALE: NOT TO SCALE



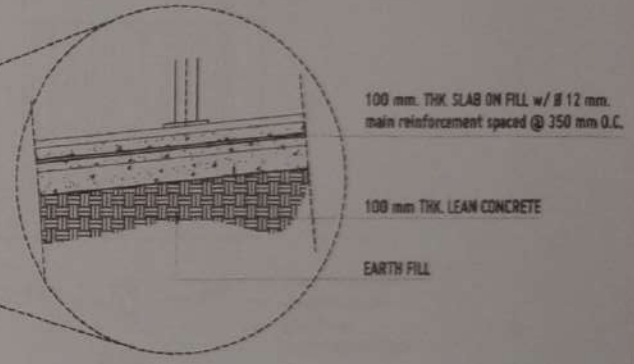
COLUMN TO TRUSS CONNECTION DETAIL
SCALE: NOT TO SCALE



LINTEL AND STIFFENER DETAIL
SCALE: NOT TO SCALE



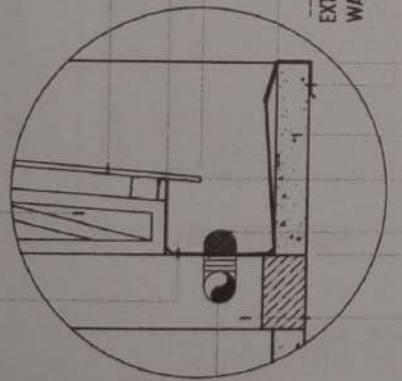
RAMP DETAIL
SCALE: NOT TO SCALE



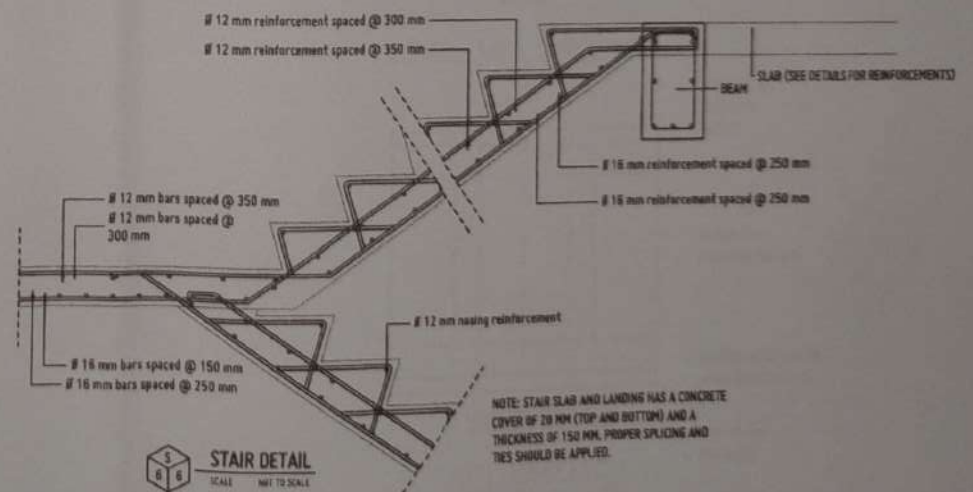
0.5MM RIB TYPE G.I
PRE-PAINTED ROOFING
WITH 1" PU INSULATION

0.50
0.15 0.35

EXTERIOR PARAPET
WALL LINE



PARAPET GUTTER DETAIL
SCALE: NOT TO SCALE



STAIR DETAIL
SCALE: NOT TO SCALE



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES COLLEGE OF ENGRS INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT C.E. WATSON AVE., LARANGA CAMPUS IN DAVAO CITY 8000 TEL: (081) 221-1000 FAX: (081) 221-1001 WWW: www.ustip.edu.ph		PROJECT PROPOSED INTEGRATED TECHNOLOGY BUILDING USTIP ALABANG CAMPUS, PIGASAWAN DISTRICT, UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
ENGINEER ERNESTO CH. QUIJOTE CIVIL/STRUCTURAL ENGINEER PRC NO. 0945940 PFR NO. 0935464-A DATE: 01-17-2021 LOCATION:	OWNER:	RECOMMENDING APPROVAL: AR. FERDINAND A. JONAPA DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

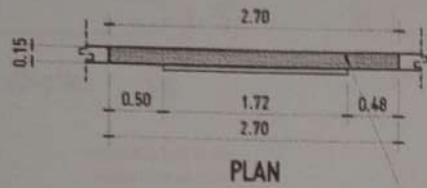
RECOMMENDING APPROVAL: AR. FERDINAND A. JONAPA DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT	RECOMMENDING APPROVAL: KATY ERWIN II DATO OF THE ADMINISTRATION & LEGAL AFFAIRS	APPROVED BY: DR. AMBROSIO CULTURA II PRESIDENT, USTIP SYSTEM
---	--	---

SHEET CONTENTS: BEAM TO TRUSS DETAIL COLUMN TO TRUSS DETAIL LINTEL BEAM AND STIFFENER DETAIL PARAPET GUTTER DETAIL STAIR DETAIL RAMP DETAIL	DRAWN BY: HCL/JEP DATE DRAWING: 01.01.2021 PRC:
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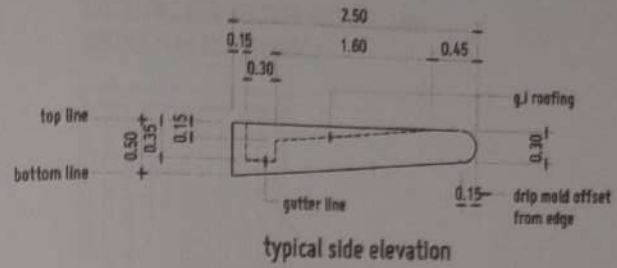
S6

NOTE: PROVIDE WATERPROOFING AND INSULATION ACCORDINGLY

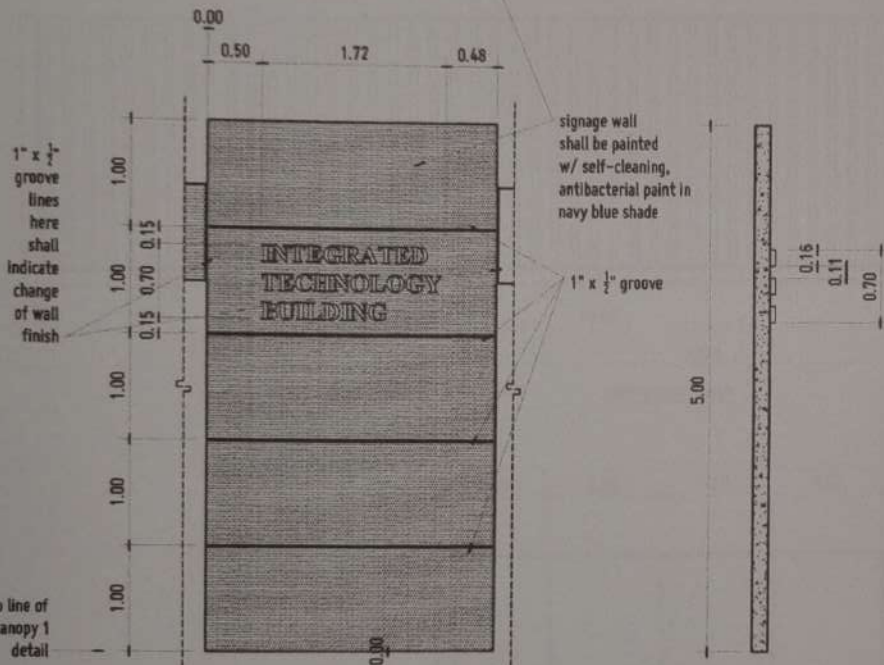
REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL



PLAN

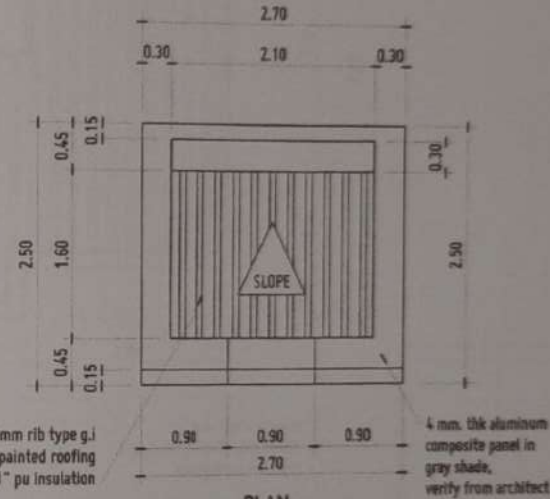


typical side elevation

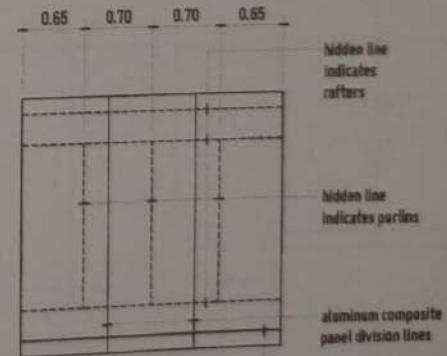


FRONT ELEVATION

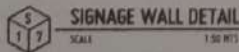
SIDE ELEVATION



PLAN



UNDERSIDE VIEW



SIGNAGE WALL DETAIL
SCALE 1:50 NTS



CANOPY 1 DETAIL
SCALE 1:50 NTS



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CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
U.S. FIELD OFFICE, LARANG LARANGA ST. COR. DEPT. BLDG. 15, P.O. BOX 4, CAGAYAN DE ORO CITY 9000 PHILIPPINES
TEL: (088) 222-1111 FAX: (088) 222-1111
WWW: www.ustip.edu.ph

ERNESTO CH. QUIJOTE

CIVIL/STRUCTURAL ENGINEER

PROJECT NO. 024468 P/F# 02 021044-A
DATE 01-12-2021
TEL 152-210-743 PLACE 33 SALVADOR CITY

PROJECT

PROPOSED INTEGRATED TECHNOLOGY BUILDING

OWNER: UNIP JASMAN CARRASO, ROSARIO ORIBINAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:

AR. FERDINAND T. TORRES

RECOMMENDING APPROVAL:

ATTY. ERNESTO M. BUNO

APPROVED BY:

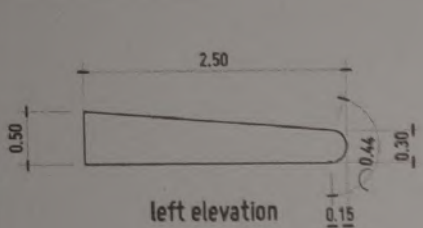
DR. AMBRASIO B. CULTURA II

SHEET CONTENTS:
CANOPY 1 DETAIL
WALL CLADDING DETAIL

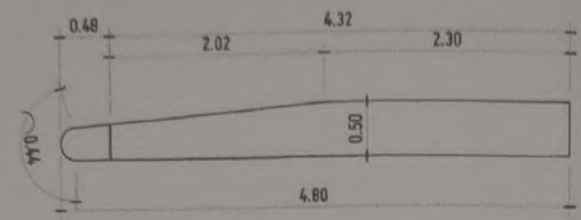
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REV. DATE
DATE DRAWN
REV. DATE
NO.

S7

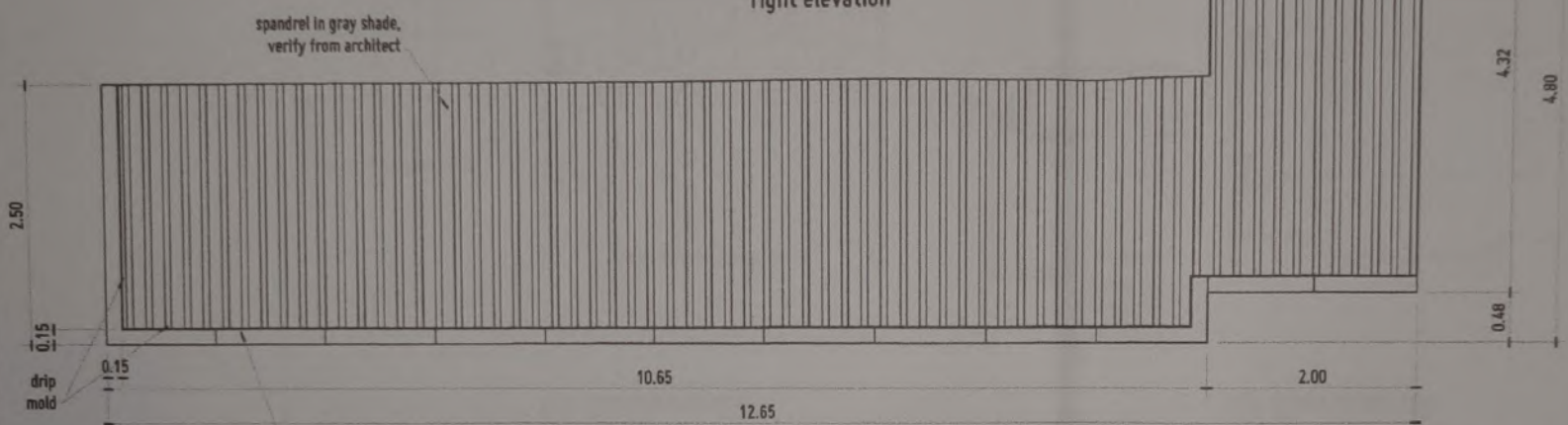
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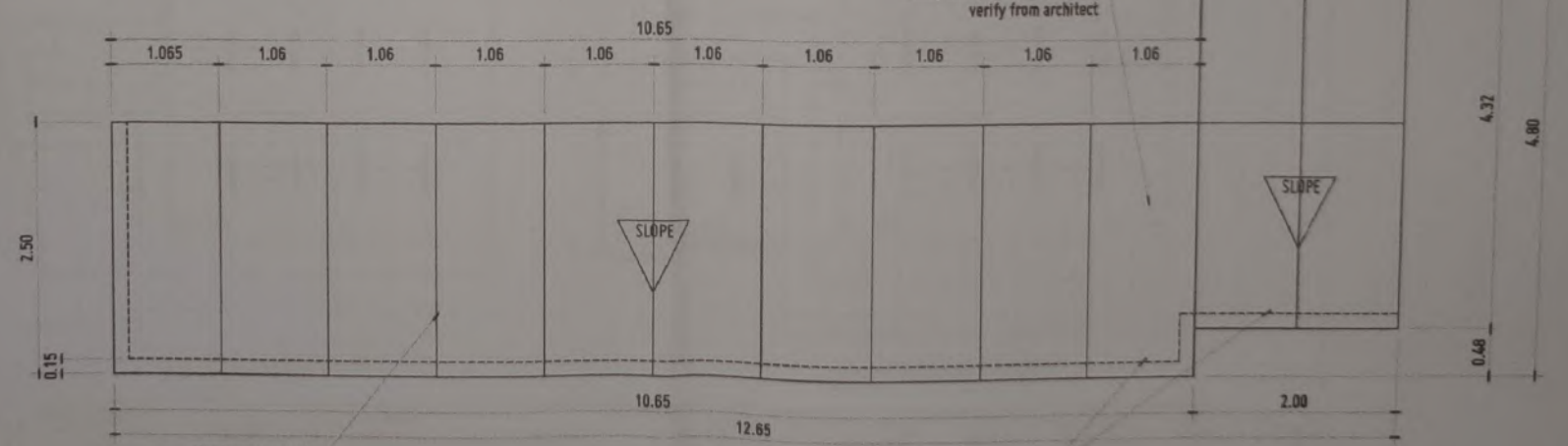
left elevation



right elevation



UNDERSIDE VIEW



TOP VIEW

CANOPY 2 DETAIL
SCALE: 1:50 NETS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C.A. VERA AVE., CAGAYAN DE ORO CITY 9000
TEL: (083) 221-1111 / (083) 221-1728
FAX: (083) 221-1600 (Ext. 100-1001)
WWW.USTIP.UP

ERNESTO CH. QUIJOTE
PROJECT
PROPOSED
INTEGRATED TECHNOLOGY BUILDING
UNSTP, JASARAN CAMPUS, MISAMIS ORIENTAL
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
AR. FERDINAND A. ROMPA
DIRECTOR, URBAN AND INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT OFFICE

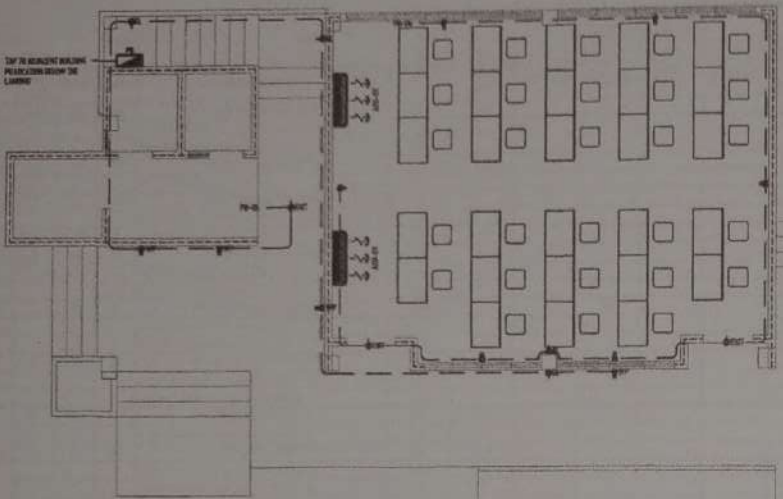
RECOMMENDING APPROVAL:
ATTY. ERWIN B. DUCO
SUPERVISOR, ADMINISTRATION & COMPLIANCE

APPROVED BY:
DR. AMBRASO B. CULTURA II
DEPUTY CHIEF, USTP SYSTEM

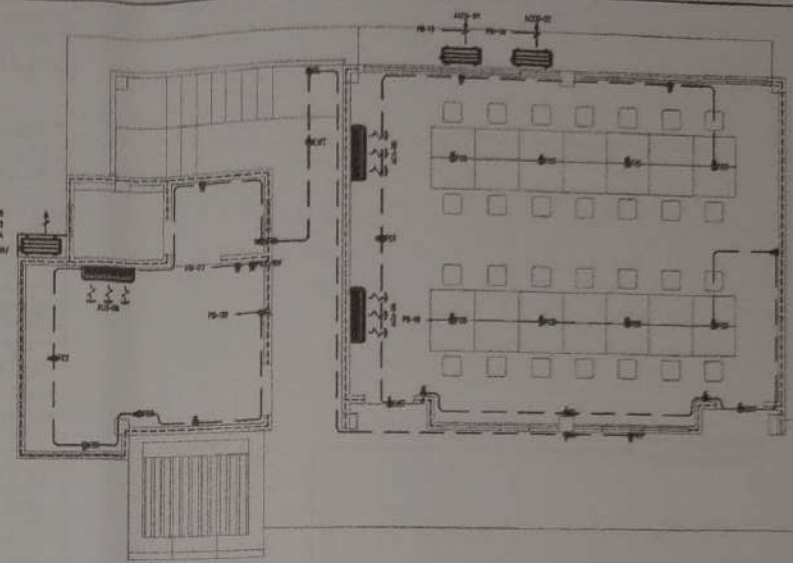
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CANOPY 1 DETAIL

DRAWN BY:
VEZ, JZBP
DATE DRAWN:
06.01.2021
TNC:

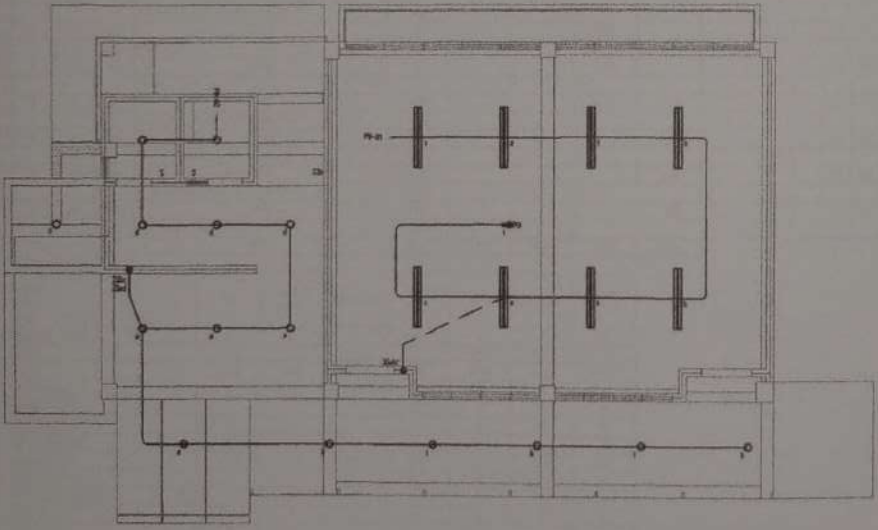
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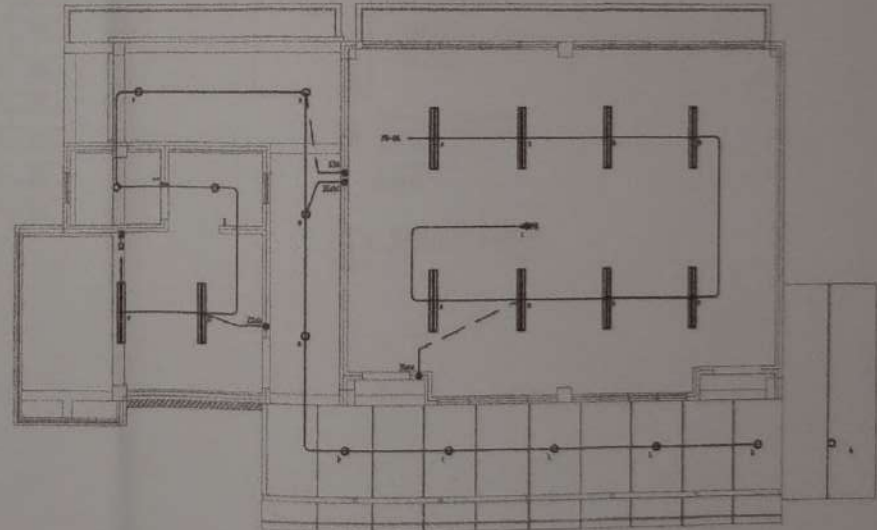
GROUND FLOOR POWER LAYOUT
SCALE: 1:100 MTS



SECOND FLOOR POWER LAYOUT
SCALE: 1:100 MTS



GROUND FLOOR LIGHTING LAYOUT
SCALE: 1:100 MTS



SECOND FLOOR LIGHTING LAYOUT
SCALE: 1:100 MTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
DEPARTMENT OF CIVIL ENGINEERING
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
C. N. RIVERA, JR., VICE CHIEF ENGINEER (ELECTRICAL)
1400 P. O. BOX 108, MARINA VIEW, CANTONMENT, DAVAO CITY
TEL: (081) 222-1000 / FAX: (081) 222-1001
WWW.USTIP.USTP.EDU.PH

ELECTRICAL ENGINEER	
PAC NO.	PTER NO.
DATE	PLACE

PROJECT
PROPOSED INTEGRATED TECHNOLOGY BUILDING

LOCATION
STEP BEACON CAMPUS, TAGAYAYAN, CANTONMENT

OWNER
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
AR. FERDINAND A. BUENA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

RECORDING APPROVAL:
ATTY. ERMAWATI SUCI
ATTORNEY AT LAW

APPROVED BY:
DR. AMBROSIO S. CULTURA II
DIRECTOR, CIVIL SYSTEM

SHEET CONTENTS:
GROUND FLOOR POWER LAYOUT
SECOND FLOOR POWER LAYOUT
GROUND FLOOR LIGHTING LAYOUT
SECOND FLOOR LIGHTING LAYOUT

DRAWN BY:
MC. JOSE
DATE DRAWN:
08.01.2024
FW:



PROJECT INFORMATION TECHNOLOGY BUILDING
ADDRESS ISTP JASARAN CAMPUS, MARIKINA ORIENTAL

DATE 01-30-21
ELEDIP

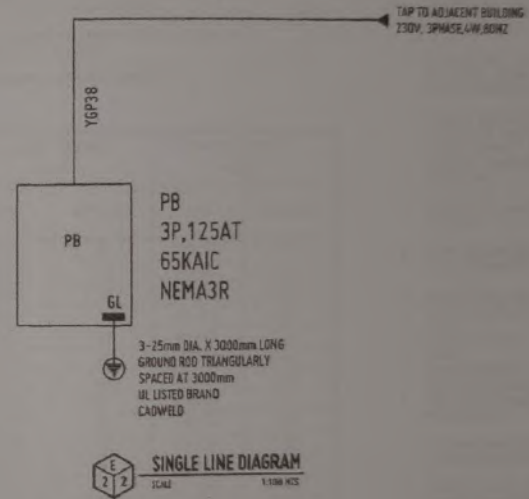
NO OF SETS	TYPE/THIN				CONDUIT
	M	Y	X	G	
7	34	0	0	0	PVC

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

CIR. NO.	CIR. POLES	ED. TRIP	AV	LOAD DESCRIPTION	KW	Φ AB AMPS	Φ BC AMPS	Φ CA AMPS	Φ G AMPS	NO OF SETS	TYPE/THIN				CONDUIT	
											M	Y	X	G		
1	2	30	60	PB-01 LIGHTING OUTLET/1	1.16	5.21										
				1 x 36 Watts LED Recessed Fluorescent Light - 8	0.5											
				Duplex Universal Convenience Outlet - 1	0.26											
2	2	30	60	PB-02 LIGHTING OUTLET/1	1.5	6.01										PVC
				1 x 12 Watts LED Flu Light - 1x	1.5											
				Duplex Universal Convenience Outlet - 1	0.2											
3	2	30	60	PB-03 LIGHTING OUTLET/1	1.4	6.36										PVC
				1 x 36 Watts LED Recessed Fluorescent Light - 2	0.2											
				1 x 12 Watts LED Flu Light - 11	1.2											
4	2	30	60	PB-04 LIGHTING OUTLET/1	1.85	5.27										PVC
				2 x 36 Watts LED Recessed Fluorescent Light - 8	0.8											
				Duplex Universal Convenience Outlet - 1	0.26											
5	2	30	60	PB-05 CONVENIENCE OUTLET/1	2.16		9.02									PVC
				Duplex Universal Convenience Outlet - 4	1.44											
				Duplex Universal Convenience Outlet - 4	0.72											
6	2	30	60	PB-06 CONVENIENCE OUTLET/1	2.7		12.27									PVC
				Duplex Universal Convenience Outlet - 6	2.16											
				Duplex Universal Convenience Outlet - 3	0.54											
7	2	30	60	PB-07 MOTOR/2ND/F	0.72	3.27										PVC
				Duplex Universal Convenience Outlet - 2	0.72											
8	2	30	60	PB-08 CONVENIENCE OUTLET/2ND/F	4.95	22.08										PVC
				Duplex Floor Universal Convenience Outlet - 3	2.16											
				Duplex Universal Convenience Outlet - 4	2.16											
				Duplex Universal Convenience Outlet - 4	0.54											
9	2	30	60	PB-09 CONVENIENCE OUTLET/2ND/F	5.98	25.36										PVC
				Duplex Floor Universal Convenience Outlet - 8	2.24											
				Duplex Universal Convenience Outlet - 5	1.9											
				Duplex Universal Convenience Outlet - 3	0.54											
10	2	30	60	PB-10	2.00	9.09										PVC
				ACCU-06 OFFICE/SERVER ROOM 2ND F	2.00											
11	2	30	60	PB-11	0	0.00										PVC
				SPARE	0											
12	2	30	60	PB-12	0	0.00										PVC
				SPARE	0											
13	2	30	60	PB-13	3.00		1.68									PVC
				ACCU-04 OFFICE/SERVER ROOM 2ND F	3.00											
14	2	30	60	PB-14	3.00		1.68									PVC
				ACCU-05 OFFICE/SERVER ROOM 2ND F	3.00											
15	2	30	60	PB-15	3.00		1.68									PVC
				ACCU-01 OFFICE/SERVER ROOM 2ND F	3.00											
16	2	30	60	PB-16	3.00		1.68									PVC
				ACCU-02 OFFICE/SERVER ROOM 2ND F	3.00											
				TOTAL	35.24	37.45	46.03	22.09	31.53							

DESIGN ANALYSIS

TYPE P.F.	KW	DEMAND FACTOR	DEMAND KW	POWER FACTOR	DEMAND AMPS	UNBAL. AMPS	TOTAL AMPERE
0.75							
BINGES' MOTOR	0	0	0	0	0	0	0
LIGHTS	6.27	0.7	4.39	1	9.51	25.10	32.80
C.E.	16.02	0.7	11.21	0.8	36.89	25.00	48.94
WATER HEATER	0	0	0	0	0	0	0
RANGE	0	0	0	0	0	0	0
CLOTHES DRYER	0	0	0	0	0	0	0
WASH MACHINE	0	0	0	0	0	0	0
AIRCORN	14.60	0.7	10.22	0.8	32.19	25.00	48.39
HOT WATER	0	0	0	0	0	0	0
HOT WATER-COMTQ	0	0	0	0	0	0	0
OTHERS 1	0	0	0	0	0	0	0
OTHERS 2	0	0	0	0	0	0	0
OTHERS 3	0	0	0	0	0	0	0
TOTAL	35.24	0.70	24.67		76.62		98.73



SCHEDULE OF LOADS
SCALE 1:100 ICS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
INTEGRATED TECHNOLOGY BUILDING AND FACILITY DEVELOPMENT UNIT
151 JASARAN CAMPUS, MARIKINA ORIENTAL
TEL: (035) 251-1111 (LOCAL) (035) 251-1111 (TOLL FREE) (035) 251-1111 (INTERNATIONAL)
WWW.USTP.EDU.PH

PROJECT	PROPOSED INTEGRATED TECHNOLOGY BUILDING
LOCATION	ISTP JASARAN CAMPUS, MARIKINA ORIENTAL
OWNER	UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
ELECTRICAL ENGINEER	
DESIGNER	
CHECKER	
DATE	
PLACE	

RECOMMENDING APPROVAL:
AR. FERDINAND A. OJEDA
REGISTERED ELECTRICAL ENGINEER

RECOMMENDING APPROVAL:
ATTY. ERWIN J. BOGAL
REGISTERED ELECTRICAL ENGINEER

APPROVER BY:
DR. AMBROSIO CULTURA II
REGISTERED ELECTRICAL ENGINEER

DATE CONTRACT	EDWIN 87
SCHEDULE OF LOADS	NO. 223P
SINGLE LINE DIAGRAM	DATE DRAWN
	ON 07 2021
	BY:

E2



VICINITY MAP
NOT TO SCALE

LEGEND	
Symbol	Remarks
S	Single Pole Toggle Switch, 15A, 200V, 25, 35, Etc. Indicates Gang Switches, Small Letter Subscript Indicates Lights or Devices Being Controlled. Combine Maximum of Three (3) Toggles on One Standard Device Plate Per Switch Location with More Than Nine (9) Toggle, One Switch Back Plate.
33	Same as Above Except 3-Way Switch
CP	Duplex Convenience Outlet, 1P, 250V, 15A Universal Slots Grounding Type.
CP/CD	Duplex Floor Convenience Outlet, 1P, 250V, 15A Universal Slots Grounding Type.
CP/CTD	Duplex Convenience Outlet, 1P, 250V, 15A Universal Slots Grounding Type, 300mm Height Above Counter Top.
CP/MDF/IDF	Duplex Convenience Outlet, 1P, 250V, 15A Universal Slots Grounding Type, for MDF/IDF.
CP/WP	Weatherproof Duplex Convenience Outlet, 1P, 250V, 15A Universal Slots Grounding Type, for MDF/IDF.
PEL	Simplex Ceiling Convenience Outlet for Emergency Light, 1P, 250V, 15A Universal Slots Grounding Type.
PEUT	Simplex Ceiling Convenience Outlet for Exit Light, 1P, 250V, 15A Universal Slots Grounding Type.

NOTE: LIGHTING COLOR PER LOCATION SUBJECT FOR ARCHITECT'S APPROVAL

GENERAL NOTES:

- ALL WORKS SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE RULES & REGULATIONS OF THE NATIONAL AND LOCAL AUTHORITY CONCERNED IN THE ENFORCEMENT OF ELECTRICAL LAWS AND ORDINANCES AND THE REGULATIONS OF THE UTILITY COMPANY CONCERNED.
- POWER SERVICE TO THE BUILDING SHALL BE 230 VOLTS 3 PHASE 3 WIRE & GROUND.
- SMALLEST CONDUCTOR FOR POWER AND LIGHTING SHALL BE 3.5mm² THIN AND SMALLEST RACEWAY SHALL BE 15mm DIA. TRADE SIZE CONDUCTOR SHALL BE TYPE THHN EXCEPT AS OTHERWISE REQUIRED BY THE DRAWING AND INSULATED FOR 600 VOLTS.
- GROUNDING WIRE SHALL BE PROVIDED TO ALL EQUIPMENTS, OUTLETS AND LIGHTING CIRCUITS AND ALL NON-CURRENT CARRYING METAL PARTS.
- MATERIALS AND EQUIPMENT TO BE USED SHALL BE NEW AND OF APPROVED TYPE FOR THE LOCATION AND PURPOSE INTENDED. SUBMIT SAMPLES OF MATERIALS TO THE ARCHITECT/ DESIGN ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- NO BRANCH CMT. SHALL HAVE A LOAD OF MORE THAN 90% OF ITS RATING.
- CIRCUIT BREAKERS SHALL BE BOLT ON TYPE, USE ONLY ONE BRAND ALL THROUGHOUT.
- MOUNTING HEIGHT SHALL BE AS FOLLOWS:
 a. LIGHT CONTROL SWITCH - 1.52 ABOVE FINISHED FLOOR
 b. CONVENIENCE OUTLET - 0.30 ABOVE FINISHED FLOOR
 c. SPECIAL PURPOSE OUTLET - 0.30 ABOVE FINISHED FLOOR OR AS REQUIRED BY THE CLIENT/USER.
- PANEL READINGS, TYPE ALARM - PLANE 1.80 FROM TOP OF PANEL TO FINISHED FLOOR.
- ALL WORKS SHALL BE COORDINATED WITH THE ARCHITECT AND OTHER TRADE DISCIPLINE PRIOR TO INSTALLATION.
- CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS, SIGNED AND SEALED BY PROFESSIONAL ELECTRICAL ENGINEER.
- CONTRACTOR TO PERFORM ALL TEST NECESSARY BUT NOT LIMITED TO THE FOLLOWING:
 a. CABLE INSULATION RESISTIVITY TEST
 b. PHASE SEQUENCE TEST
 c. LOAD TEST
 d. COMPLETE TEST FOR TRANSFORMER
- ALL WIRES SHALL BE COLOR CODED AS FOLLOWS:
 PHASE - A - BLACK
 GROUND - GREEN
 PHASE - B - RED
 PHASE - C - BLUE
- NO CHANGE OR MODIFICATION SHALL BE MADE ON THESE PLANS WITHOUT THE ENGINEER'S/DRAWNERS WRITTEN COMMENT.
- ALL MOTORS AND AIR-CONDITIONING UNITS MUST HAVE INDIVIDUAL ENCLOSED CIRCUIT BREAKER.

THHN/THWN CODE AND CONDUIT SIZE

PHASE WIRE SQMM (AWG)	AMPS	GROUND WIRE SQMM (AWG)	2-WIRE + GROUND uPVC		3-WIRE + GROUND uPVC		4-WIRE + GROUND uPVC		2-WIRE + GROUND METAL		3-WIRE + GROUND METAL		4-WIRE + GROUND METAL	
			CODE	SIZE mm φ	CODE	SIZE mm φ	CODE	SIZE mm φ	CODE	SIZE mm φ	CODE	SIZE mm φ	CODE	SIZE mm φ
3.5(12)	25	3.5(12)	XGP3.5	20	YGP3.5	20	NYGP3.5	20	XGM3.5	15	YGM3.5	15	NYGM3.5	15
5.5(10)	30	5.5(10)	XGP5.5	20	YGP5.5	32	NYGP5.5	32	XGM5.5	15	YGM5.5	20	NYGM5.5	20
8.0(8)	40	5.5(10)	XGP8.0	25	YGP8.0	32	NYGP8.0	32	XGM8.0	20	YGM8.0	25	NYGM8.0	25
14(6)	55	5.5(10)	XGP14	32	YGP14	32	NYGP14	32	XGM14	25	YGM14	25	NYGM14	32
22(4)	70	8.0(8)	XGP22	32	YGP22	40	NYGP22	50	XGM22	25	YGM22	32	NYGM22	40
35(2)	90	8.0(8)	XGP30	40	YGP30	50	NYGP30	50	XGM30	32	YGM30	40	NYGM30	40
38(1)	100/125	8.0(8)	XGP38	40	YGP38	50	NYGP38	50	XGM38	32	YGM38	40	NYGM38	50
50(1/2)	145	14(6)	XGP50	50	YGP50	63	NYGP50	63	XGM50	40	YGM50	50	NYGM50	50
60(2/3)	160	14(6)	XGP60	50	YGP60	63	NYGP60	63	XGM60	40	YGM60	50	NYGM60	50
80(3/4)	195	14(6)	XGP80	50	YGP80	63	NYGP80	63	XGM80	40	YGM80	50	NYGM80	50
100(1)	220	22(4)	XGP100	63	YGP100	63	NYGP100	75	XGM100	50	YGM100	50	NYGM100	65
125(2)	255	22(4)	XGP125	63	YGP125	75	NYGP125	90	XGM125	50	YGM125	65	NYGM125	65
150(3)	280	22(4)	XGP150	63	YGP150	75	NYGP150	90	XGM150	50	YGM150	65	NYGM150	90
200(4)	330	30(2)	XGP200	75	YGP200	90	NYGP200	90	XGM200	65	YGM200	80	NYGM200	80
250(5)	375	30(2)	XGP250	90	YGP250	90	NYGP250	100	XGM250	80	YGM250	80	NYGM250	90
400(8)	485	30(2)	XGP400	100	YGP400	100	NYGP400	100	XGM400	80	YGM400	90	NYGM400	100
500(10)	450	38(1)	XGP500	110	YGP500	5"	NYGP500	5"	XGM500	90	YGM500	100	NYGM500	-

NOTES:

- X - TWO WIRES (L-R OR L-N, THHN/THWN)
- Y - THREE WIRES (THREE PHASE), THHN/THWN
- N - NEUTRAL WIRE, SAME SIZE AS PHASE WIRE OR AS NOTED IN THE PANEL SCHEDULE
- B - GROUND WIRE, REFER SIZE TO PEC FOR PARALLEL RUNS
- M - METAL CONDUIT, IMC, RSC OR EMT
- P - uPVC CONDUIT

SCHEDULE OF LOADS
SCALE 1:1000 (R1)



OFFICE OF THE BUILDING OFFICIAL
ENGINEER AND REGISTERED ARCHITECT
REPUBLIC OF THE PHILIPPINES
CAGAYAN DE ORO
MINDANAO
INDUSTRIAL PARK
C.P. ROAD, CAGAYAN DE ORO CITY
TEL: (83) 822-1111
WWW.USTIP.ORG.PH

PROJECT: **PROPOSED INTEGRATED TECHNOLOGY BUILDING**

REGISTERED ELECTRICAL ENGINEER: _____

REGISTERED ARCHITECT: _____

REGISTERED MECHANICAL ENGINEER: _____

REGISTERED CIVIL ENGINEER: _____

REGISTERED SANITARY ENGINEER: _____

REGISTERED ELECTRICAL ENGINEER: _____

REGISTERED ARCHITECT: _____

REGISTERED MECHANICAL ENGINEER: _____

REGISTERED CIVIL ENGINEER: _____

REGISTERED SANITARY ENGINEER: _____

LOCATION: **UTP JASAN CAMPUS, MISAMIS ORIENTAL**

DRAWN BY: _____

CHECKED BY: _____

DATE: _____

REGISTERED APPROVAL: _____

REGISTERED APPROVAL: _____

REGISTERED APPROVAL: _____

APPROVED BY: _____

REGISTERED APPROVAL: _____

REGISTERED APPROVAL: _____

SHEET CONTENTS:

NO. OF SHEETS: _____

DATE: _____

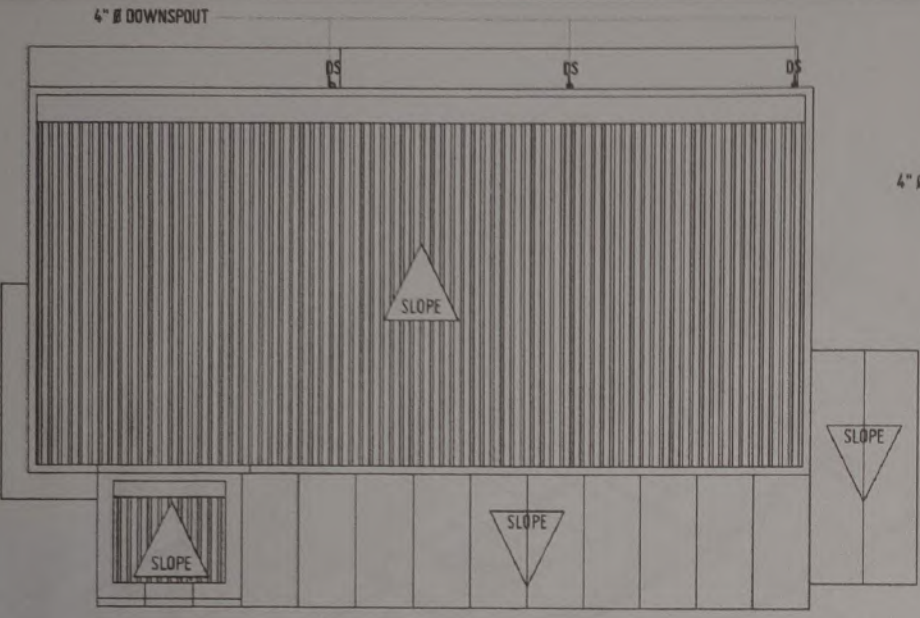
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PROJECT: _____

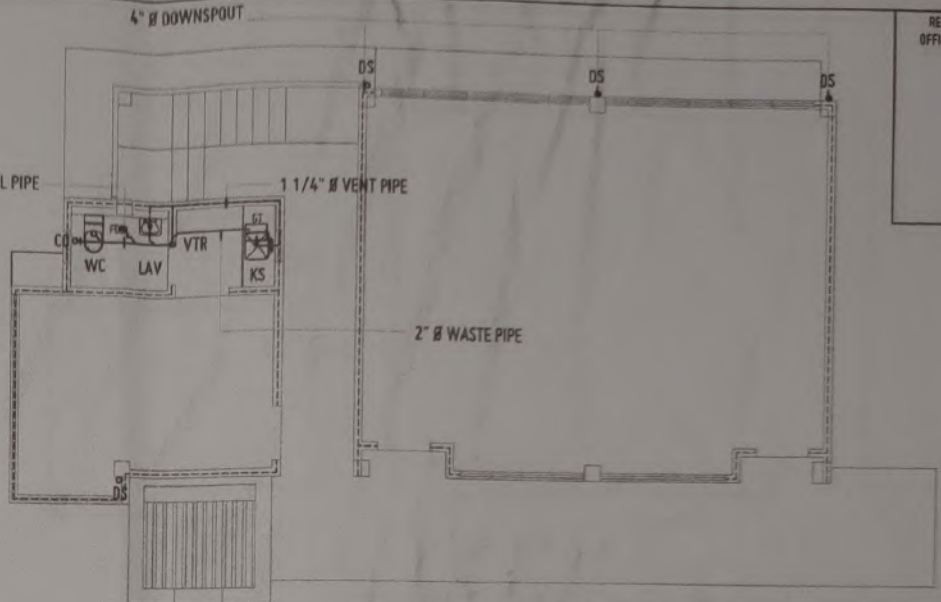
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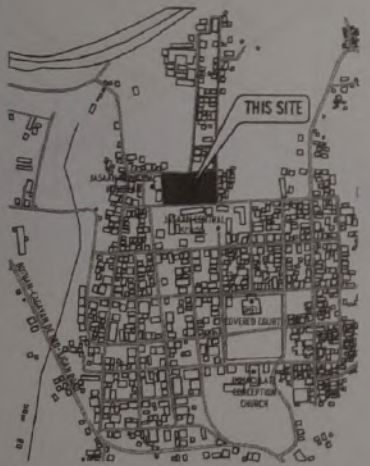




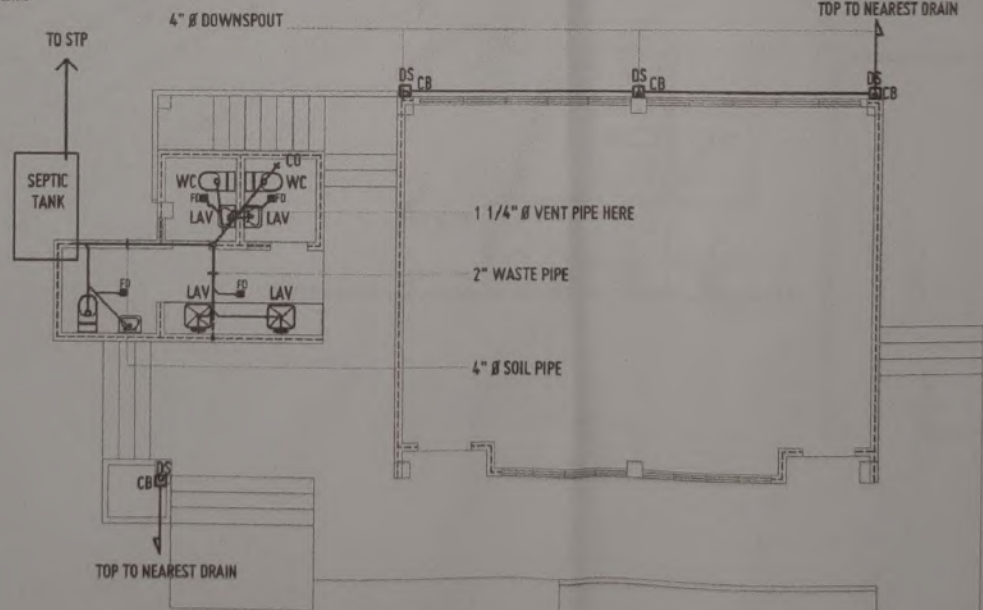
ROOF DRAIN LAYOUT
SCALE: 1:100 MTS



SECOND FLOOR WASTE LINE LAYOUT
SCALE: 1:100 MTS

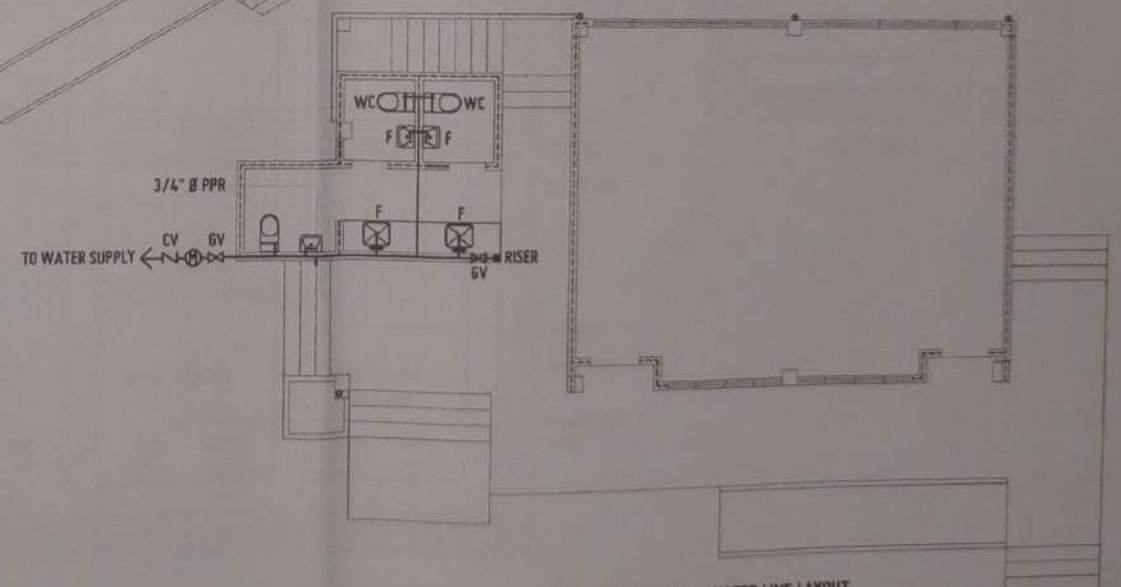
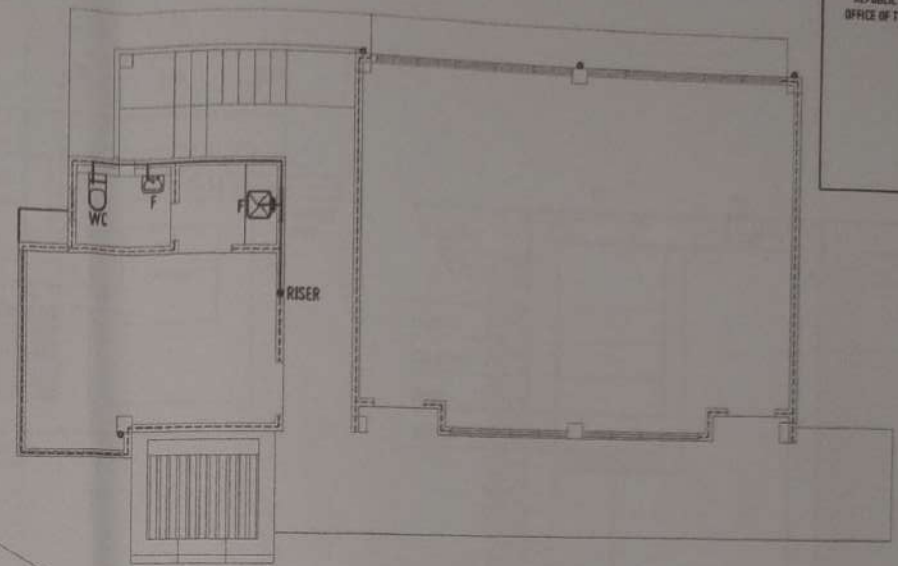
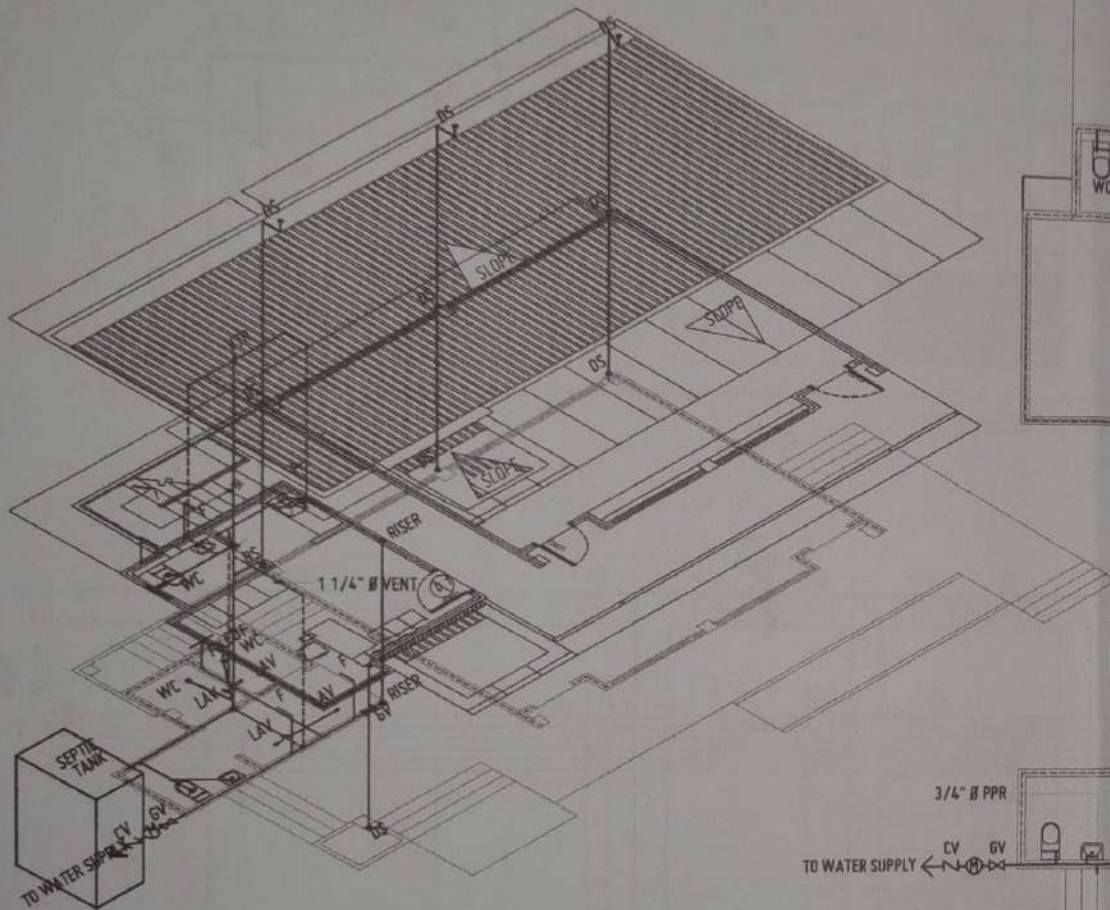


VICINITY MAP
NOT TO SCALE



GROUND FLOOR WASTE LINE LAYOUT
SCALE: 1:100 MTS

REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CAMPUS INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT 100 VICTORY AVE., LAPANSA CAGAYAN DE ORO CITY 9000 TEL: (083) 520-1000 TO 100-1000 EXT: 1000 FAX: (083) 520-1000 TO 100-1000 EXT: 1000 WWW: www.ustp.edu.ph		PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING LOCATION: USTP JASAAAN CAMPUS, MISAMIS ORIENTAL OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES	RECOMMENDING APPROVAL: AR. FERDINAND A. DOMPA DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT	RECOMMENDING APPROVAL: ATTY. ERWIN D. BERNAL VP FOR ADMINISTRATION & LEGAL AFFAIRS	APPROVED BY: DR. AMBROSIO M. CULTURA II PRESIDENT, USTP SYSTEM	SHEET CONTENTS: GROUND FLOOR WASTE LINE LAYOUT SECOND FLOOR WASTE LINE LAYOUT ROOF DRAIN LAYOUT VICINITY MAP	DRAWN BY: J2800, TC DATE DRAWN: 06.01.2021 TYP:
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REPUBLIC OF THE PHILIPPINES UNIVERSITY OF
SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CASAYAN DE DING LUPPIN
INFRASTRUCTURE PLANNING AND FACILITY
DEVELOPMENT UNIT
CA 4070 AVE., LUPKIN, CASAYAN DE DING LUPPIN BLDG.
DUPONT & SERRANO STS. 40-42, DAVAO CITY 8000
PHILIPPINES TEL: (081) 808-1234 FAX: (081) 808-1234
WEBSITE: www.ustip.edu.ph

MASTER NUMBER	
PRC NO.	PTF NO.
DATE	PLACE

PROJECT
PROPOSED INTEGRATED TECHNOLOGY BUILDING

LOCATION
USTIP JASARAN CAMPUS, HIGAYON ORIENTAL

OWNER
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

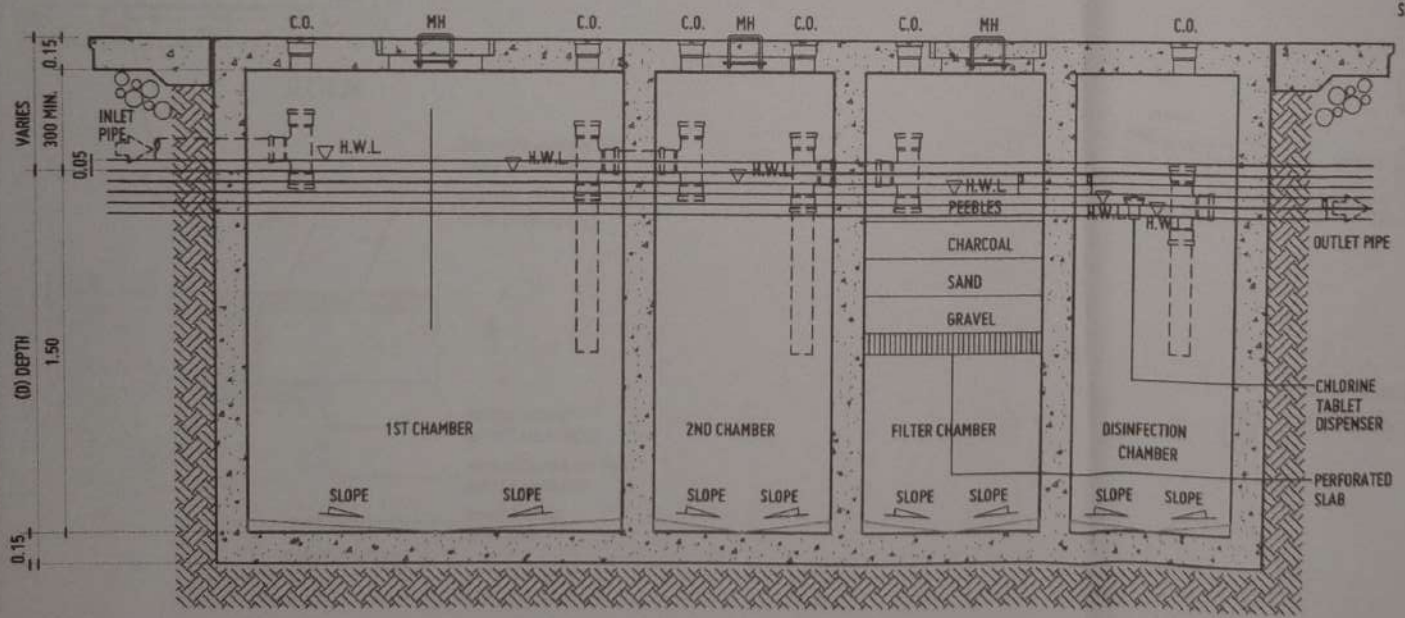
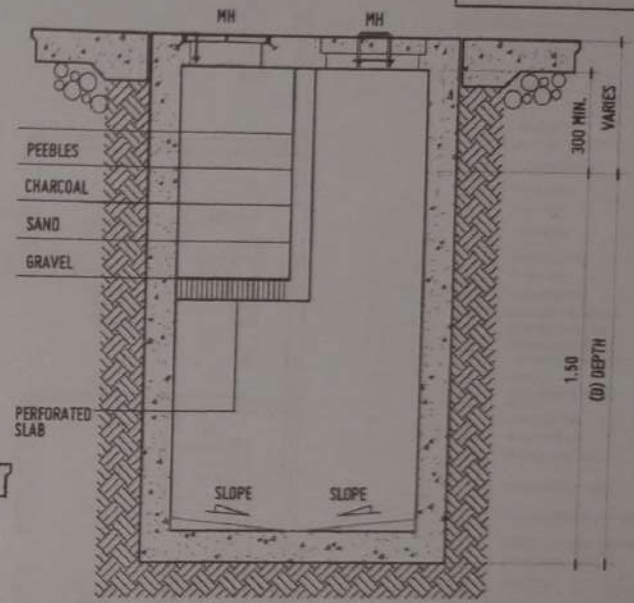
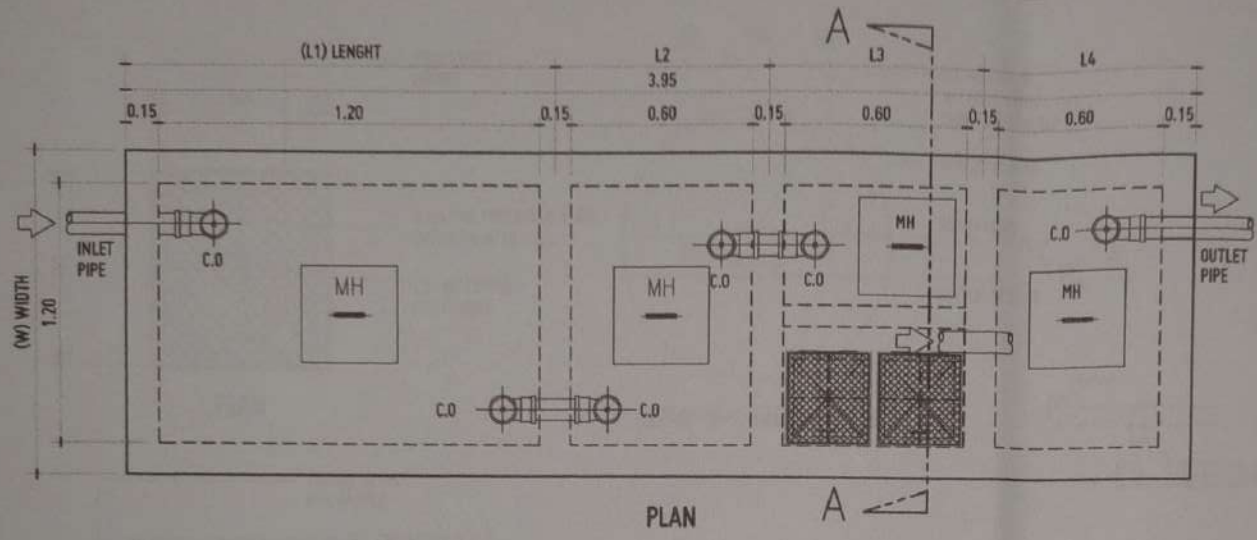
RECOMMENDING APPROVAL
[Signature]
AR. FERDINAND B. CLIPPA
DIRECTOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

RECOMMENDING APPROVAL
[Signature]
ATTY. ERWIN B. B. B. B.
SUPERVISOR, INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

APPROVED BY:
[Signature]
DR. AMBROSIO B. CULTURA II
PRESIDENT, USTIP

SHEET CONTENTS:	DRAWN BY:
GROUND FLOOR WATER LINE LAYOUT	JENIE, VC
SECOND FLOOR WATER LINE LAYOUT	DATE DRAWING
PLUMBING ISOMETRIC LAYOUT	08.07.2021
	1/01





SECTION
SCEPTIC TANK BLOW-UP DETAIL

SCALE: NTS



REPUBLIC OF THE PHILIPPINES UNIVERSITY OF
SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
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TEL: (083) 821-1000
WWW.USTIP.USTP.EDU.PH

MASTER PLUMBER	
PRC NO.	PRF NO.
DATE	PLACE
TIN	

PROJECT: PROPOSED INTEGRATED TECHNOLOGY BUILDING
LOCATION: USTP JASARAN CAMPUS, HILAND SUBURBAN
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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APPROVED BY:
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UP SYSTEMS ENGINEER, INFRASTRUCTURE UNIT

SHEET CONTENTS:
SCEPTIC TANK DETAILS

DRAWN BY:
JESUP, MC
DATE DRAWN:
06.07.2013
PNO:

P3