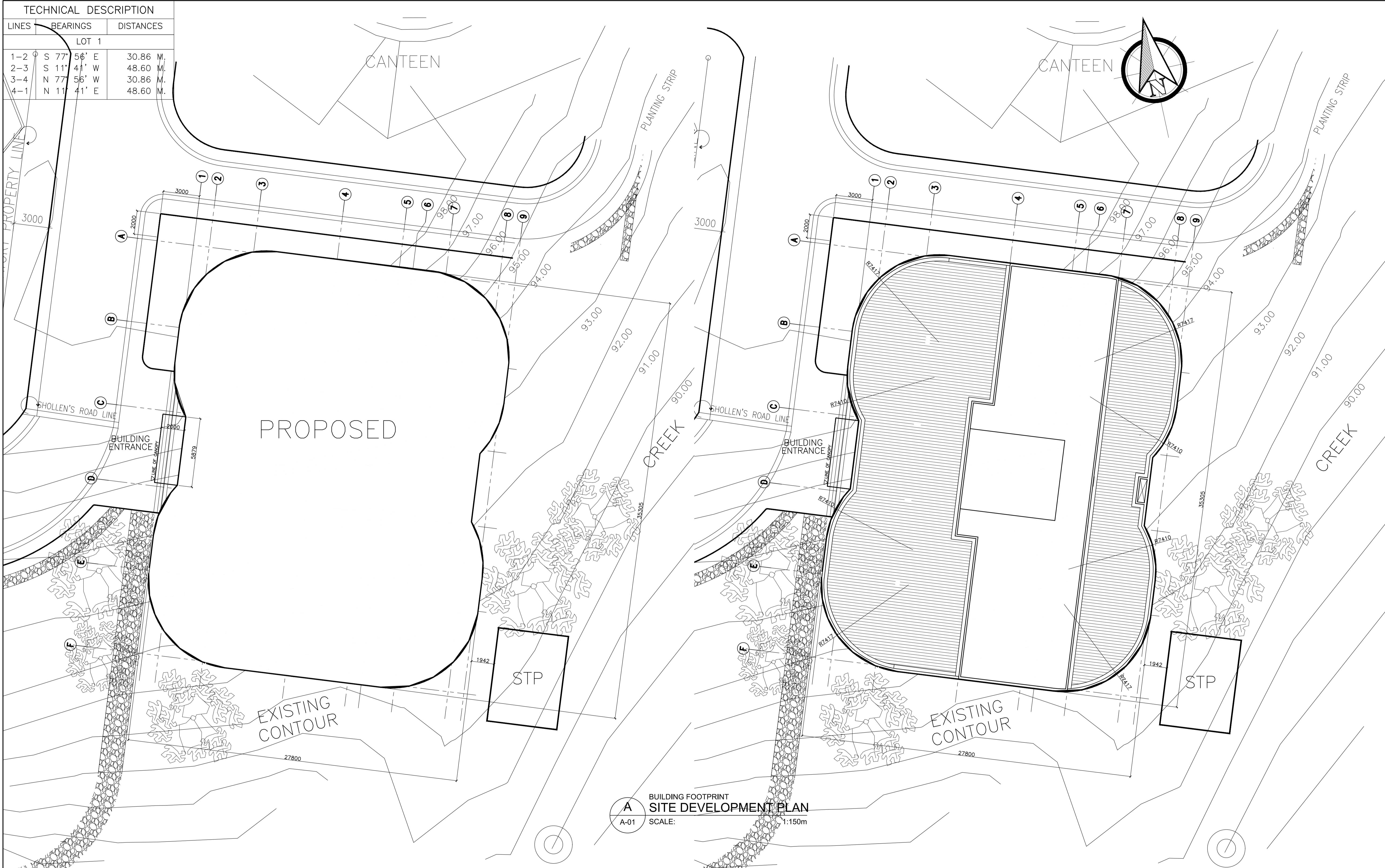






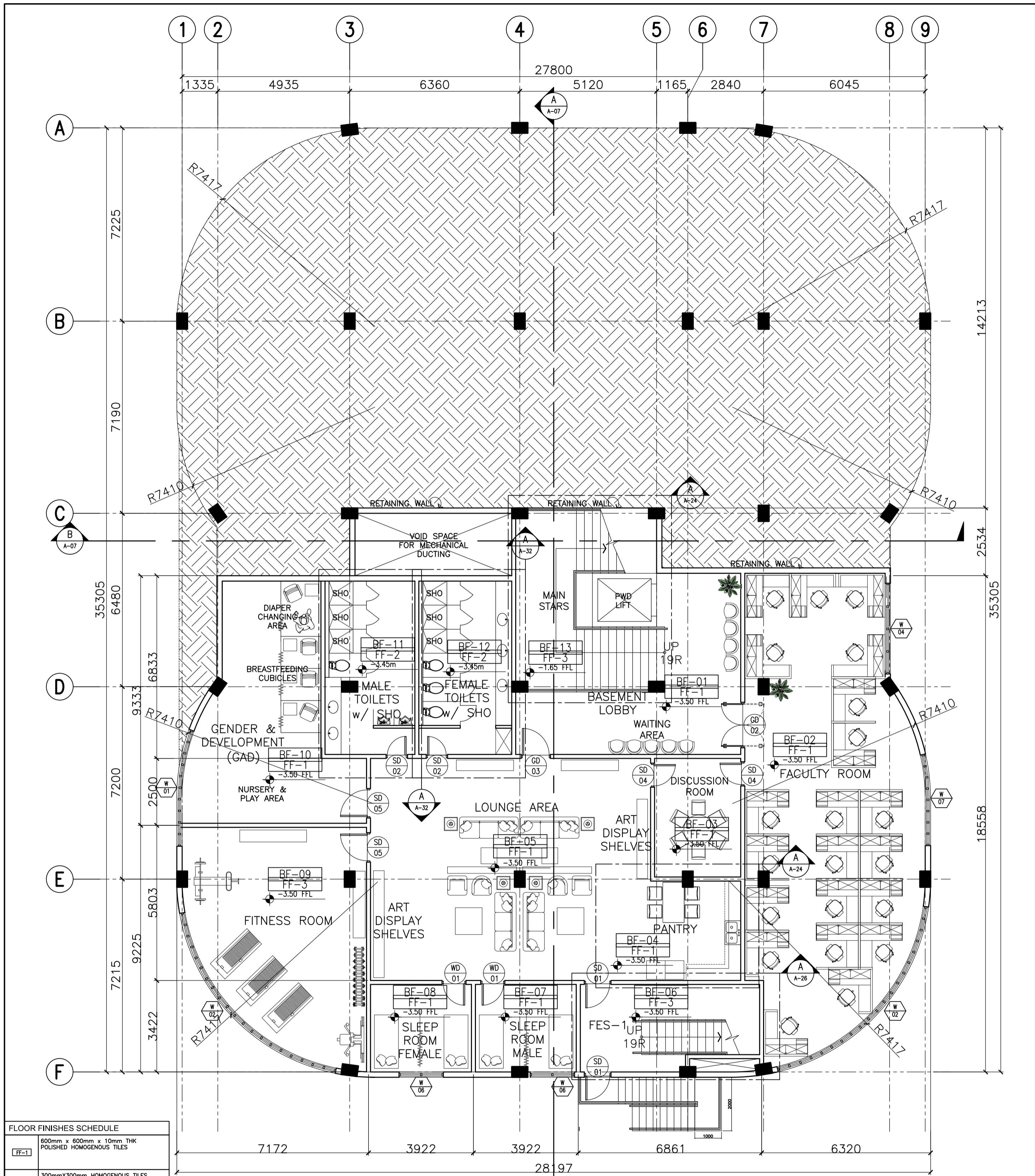
TECHNICAL DESCRIPTION		
LINES	BEARINGS	DISTANCES
LOT 1		
1-2	S 77° 56' E	30.86 M.
2-3	S 11° 41' W	48.60 M.
3-4	N 77° 56' W	30.86 M.
4-1	N 11° 41' E	48.60 M.



**A**  
A-01  
BUILDING FOOTPRINT  
SITE DEVELOPMENT PLAN  
SCALE: 1:150m

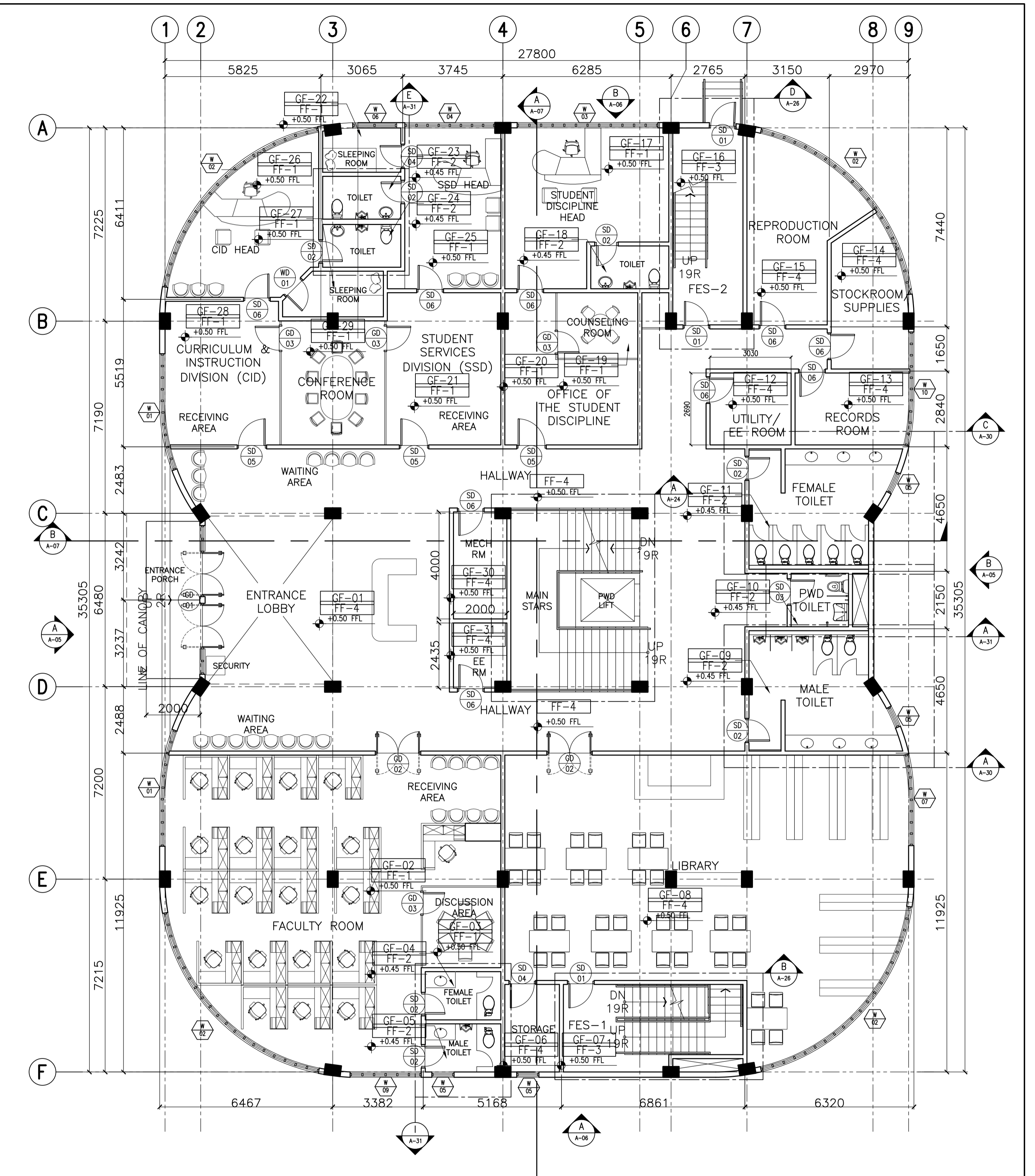
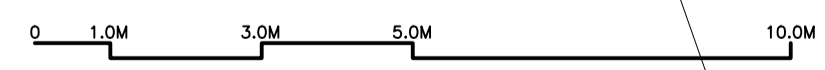
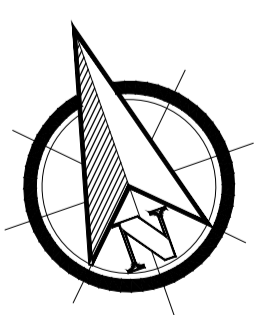
<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS <i>IN JOINT VENTURE WITH</i> <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ARCHITECT:  <b>HENRY STEVE R. OLONAN</b> ARCHITECT	REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT:  <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL:  <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY:  <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS:  SITE DEVELOPMENT PLAN	SHEET NO:  <b>A</b> 01   37
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE. LAYOGA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 3002-04 FAX NOS: 927 0608; 426 7214	PRC No. 17726 PTR No. 0732073 Place: QUEZON CITY	Validity: 04/27/2024 Date: 01/11/2021 TIN: 106186110	LOCATION: Brgy. Rizal, Odiongan, Romblon				



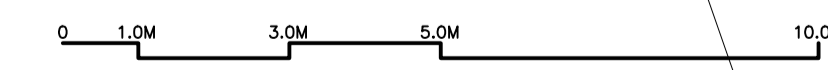
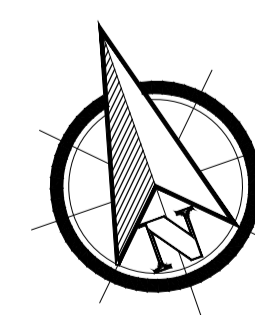


FLOOR FINISHES SCHEDULE	
FF-1	600mm x 600mm x 10mm THK POLISHED HOMOGENEOUS TILES
FF-2	300mmx300mm HOMOGENEOUS TILES (NON-SKID)
FF-3	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH
FF-4	50mm THK SMOOTH FINISH CONCRETE TOPPING

**A** ACADEMIC BUILDING II  
**BASEMENT FLOOR PLAN**  
 A-02 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**GROUND FLOOR PLAN**  
 A-02 SCALE: 1:100m



**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM NO. 38 XAVIERVILLE  
 AVE., LOYOLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS.: 426 7009;  
 426 3024  
 FAX NOS.: 927 0668;  
 426 7214

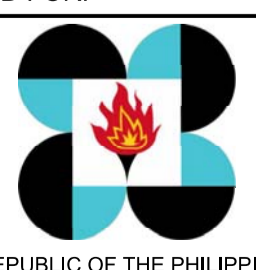
ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

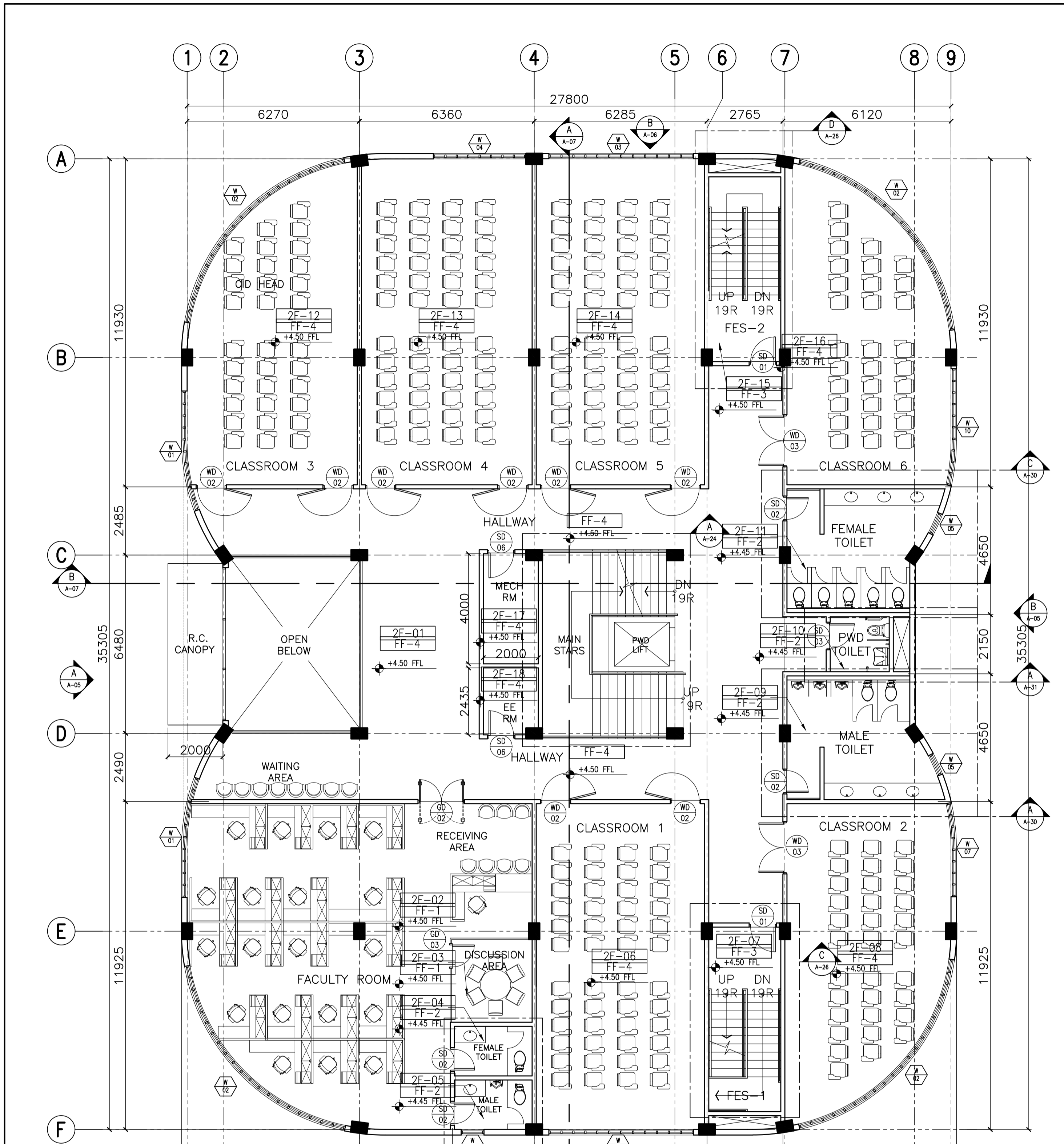
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 BASEMENT FLOOR PLAN  
 GROUND FLOOR PLAN

SHEET NO:  
**A**  
 02 37



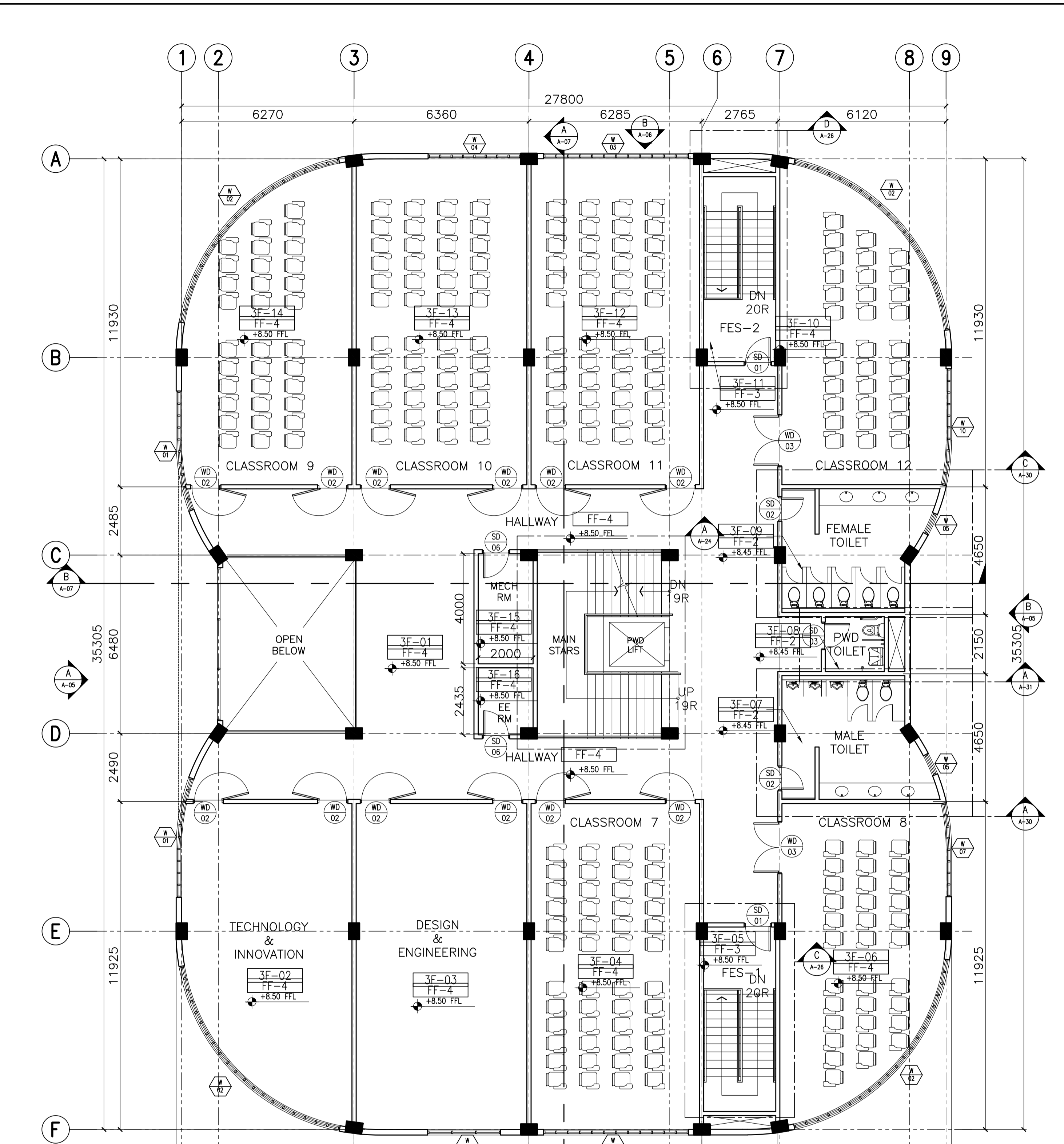


FLOOR FINISHES SCHEDULE	
FF-1	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES
FF-2	300mm x 300mm HOMOGENOUS TILES (NON-SKID)
FF-3	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH
FF-4	50mm THK SMOOTH FINISH CONCRETE TOPPING

LEGEND	
RF-000	ROOM NUMBER TAG
FFL FFL LVL	FINISH FLOOR LEVEL

**A** ACADEMIC BUILDING II  
SECOND FLOOR PLAN  
A-03 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
THIRD FLOOR PLAN  
A-03 SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

*IN JOINT VENTURE WITH*

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LAYOGA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 9004  
FAX NOS: 927 0608;  
426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
PTR No. 0732073 Date: 01/11/2021  
Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

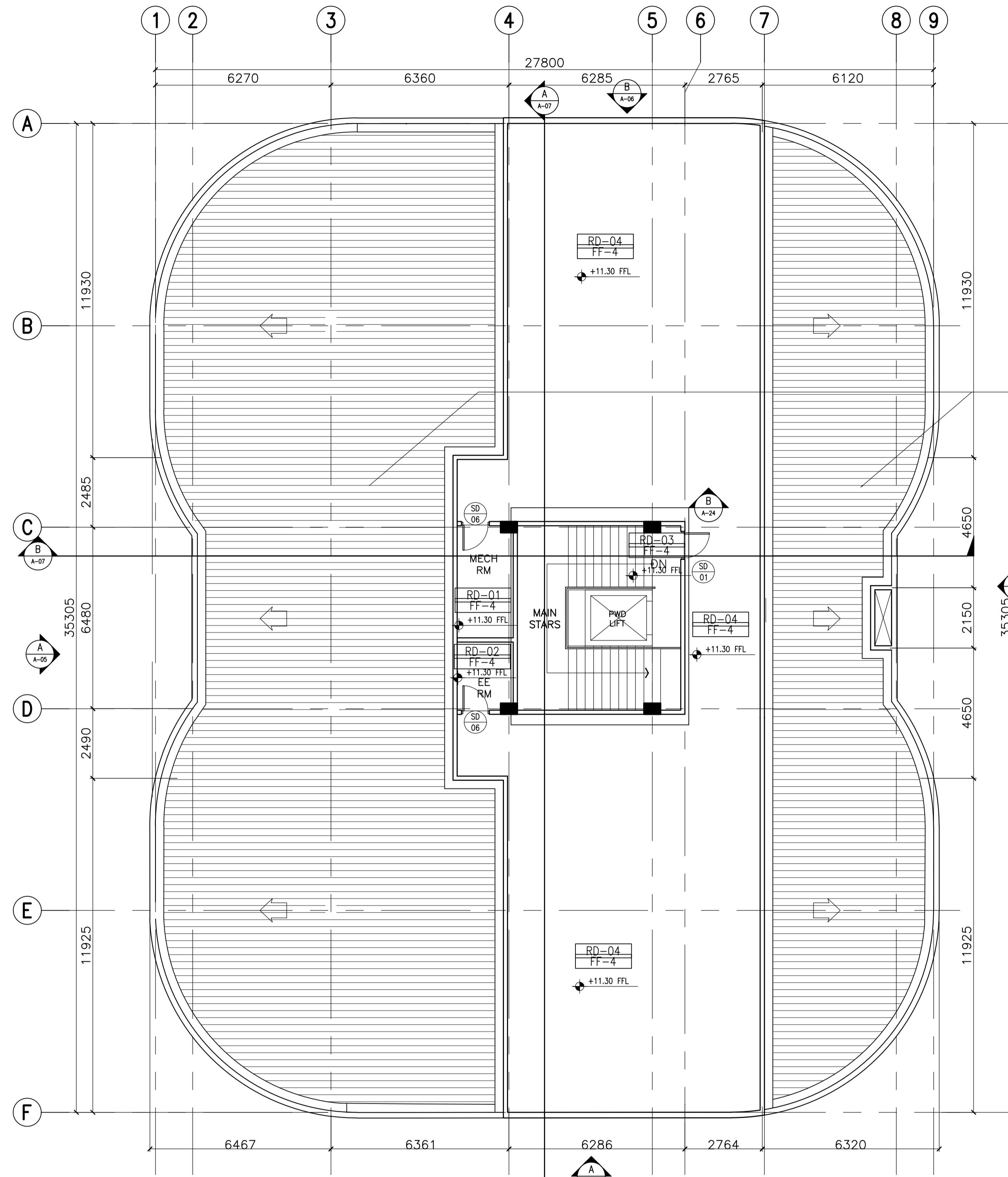
APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
BASEMENT FLOOR PLAN  
GROUND FLOOR PLAN

SHEET NO:  
**A**  
03 37





GA 24 PRE PAINTED LONGSPAN RIBTYPE GI SHEET ROOFING WITH 16KG ACI FIBERGLASS INSULATION ON ONE FACE FOIL COVER, COMPLETE WITH LEAK PROOFING SYSTEM AND ACCESSORIES ON STANDARD STEEL ROOF FRAMING SYSTEM W/ 50mm ROCKWOOL INSULATION SYSTEM

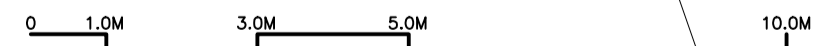
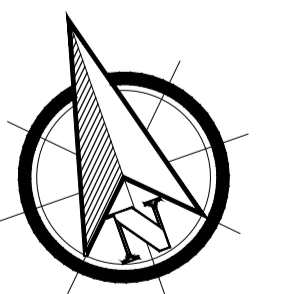
**FLOOR FINISHES SCHEDULE**

FF-1	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES
FF-2	300mmX300mm HOMOGENOUS TILES (NON-SKID)
FF-3	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH
FF-4	50mm THK SMOOTH FINISH CONCRETE TOPPING

**LEGEND**

GF-000	ROOM NUMBER TAG
FIN. FLR. LVL.	FINISH FLOOR LEVEL

**A** ACADEMIC BUILDING II  
**ROOF DECK PLAN**  
 A-04 SCALE: 1:100m



**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LOROGA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 5002/04  
 FAX NOS: 927 0608;  
 426 7214

ARCHITECT:	<b>HENRY STEVE R. OLONAN</b> ARCHITECT
PRC No. 17726	Validity: 04/27/2024
PTR No. 0732073	Date: 01/11/2021
Place: QUEZON CITY	TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPUTATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
 FAD CHIEF

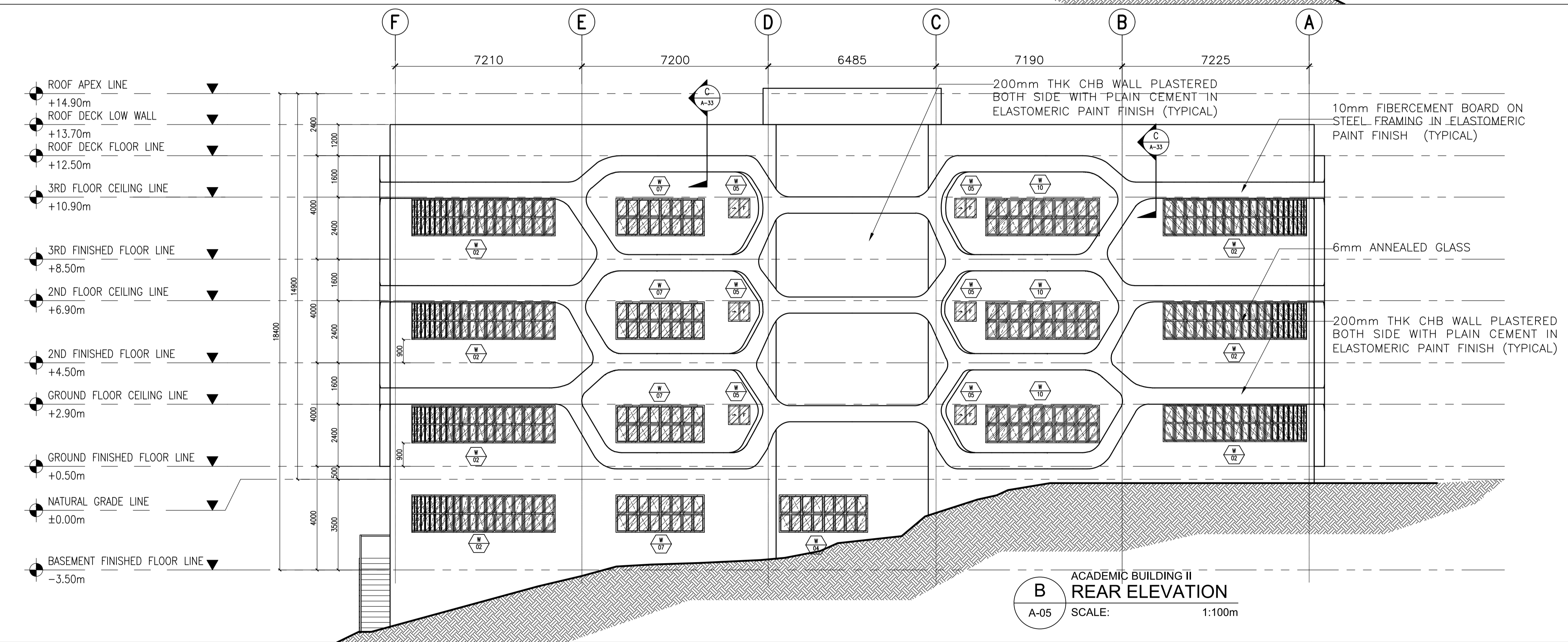
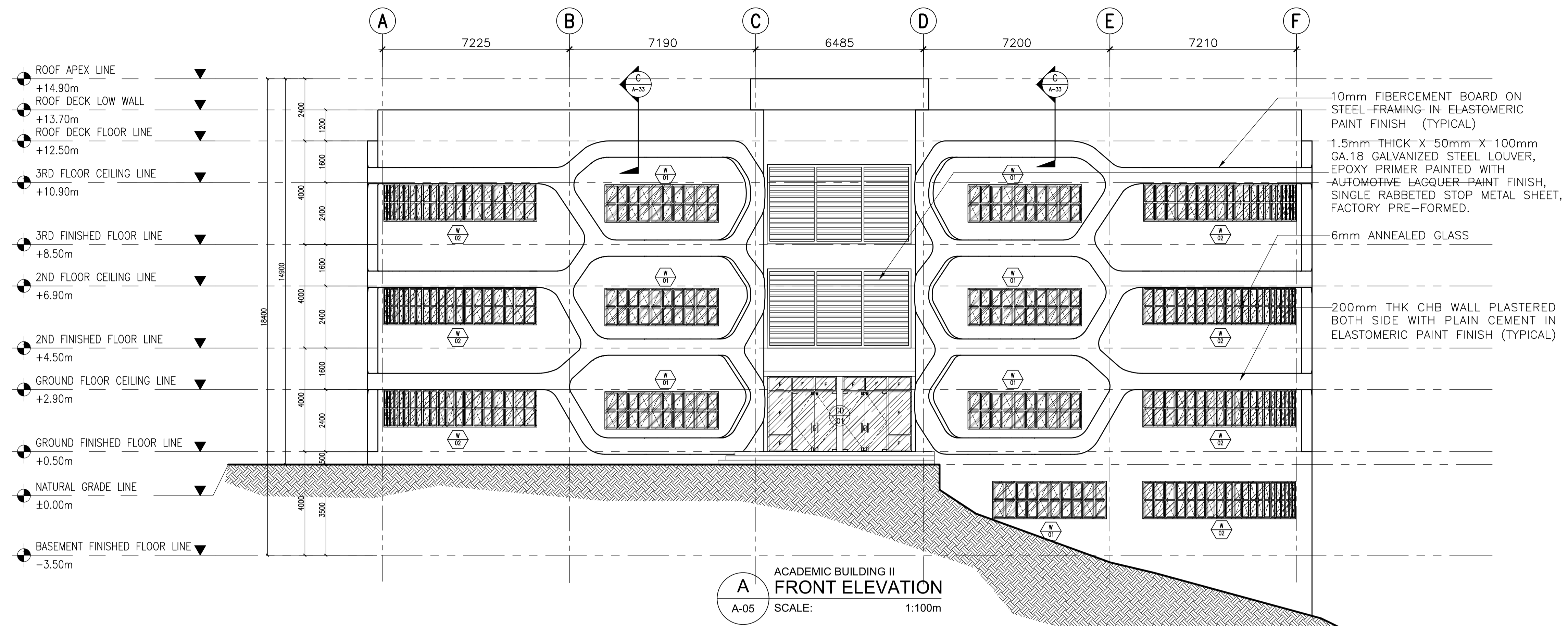
APPROVED BY:

**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 ROOF DECK PLAN

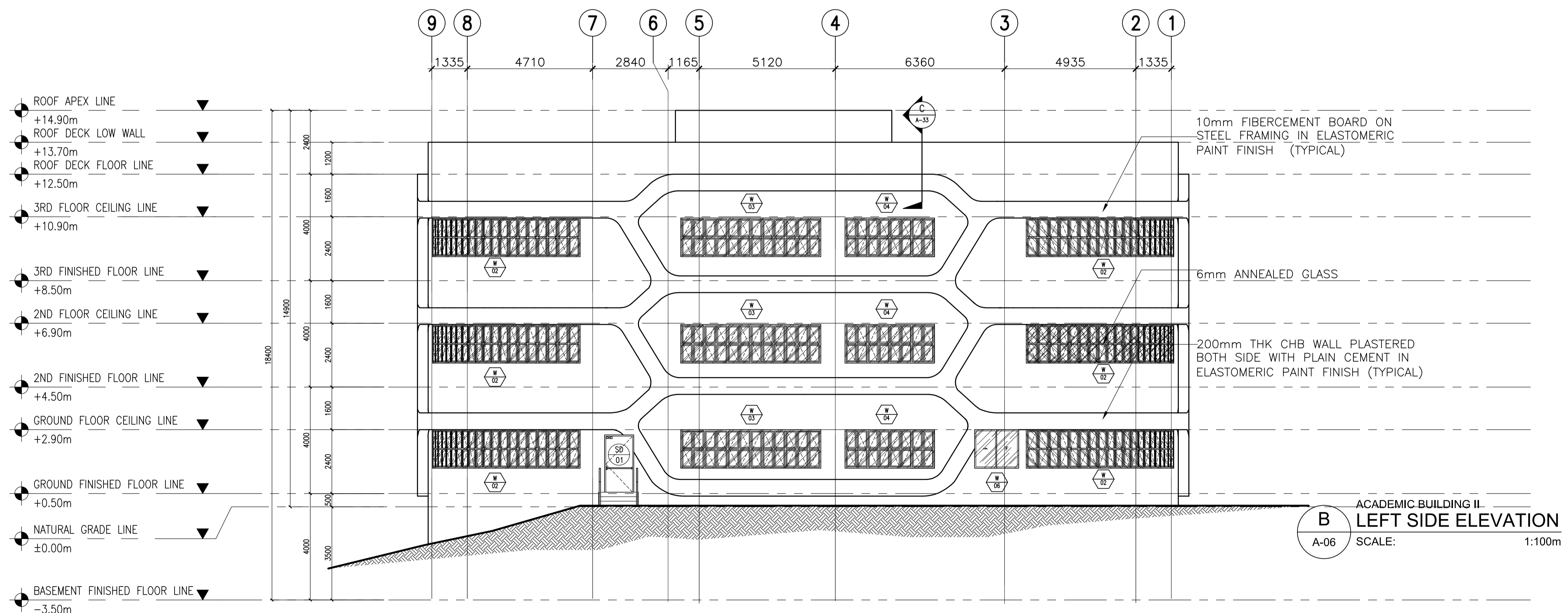
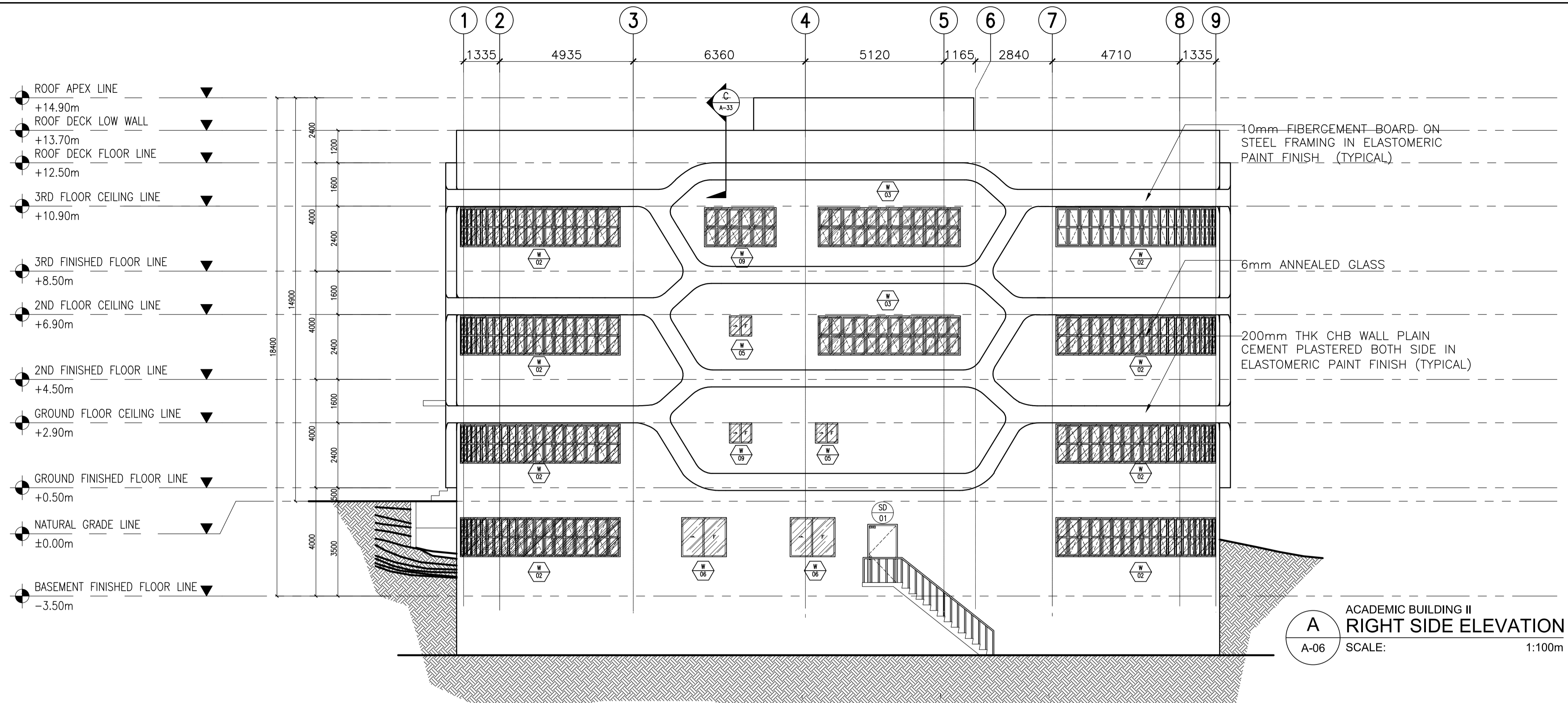
SHEET NO:  
**A**  
 04 37





<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ARCHITECT: <b>HENRY STEVE R. OLONAN</b> ARCHITECT PRC No. 17726 Validity: 04/27/2024 PTR No. 0732073 Date: 01/11/2021 Place: QUEZON CITY TIN: 106186110	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiongan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: FRONT ELEVATION REAR ELEVATION	SHEET NO: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="font-size: 24px; font-weight: bold; margin-right: 5px;">A</div> <div style="font-size: 18px; font-weight: bold; margin-right: 5px;">05</div> <div style="font-size: 18px; font-weight: bold; margin-left: 5px;">37</div> </div>
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LORON HIGHLANDS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 5024 FAX NOS: 927 0608; 426 7214							






**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT  
 PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

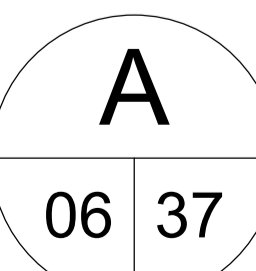
PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

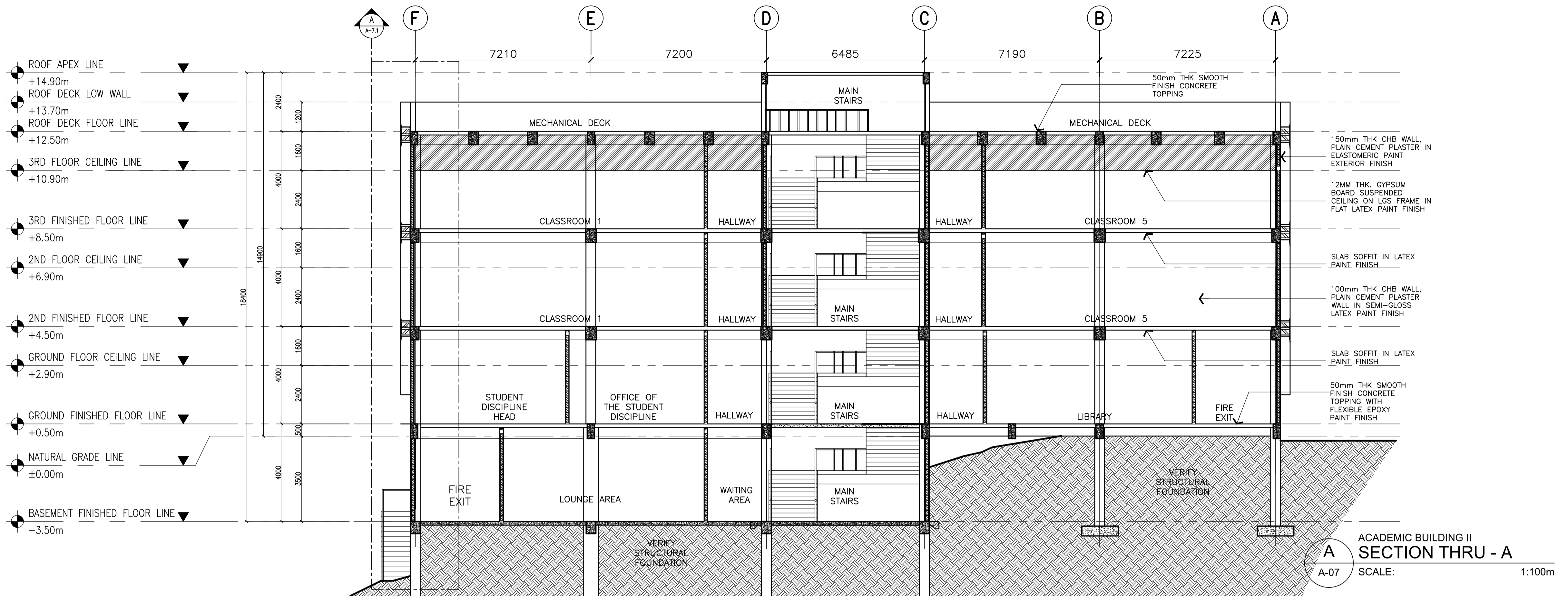
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

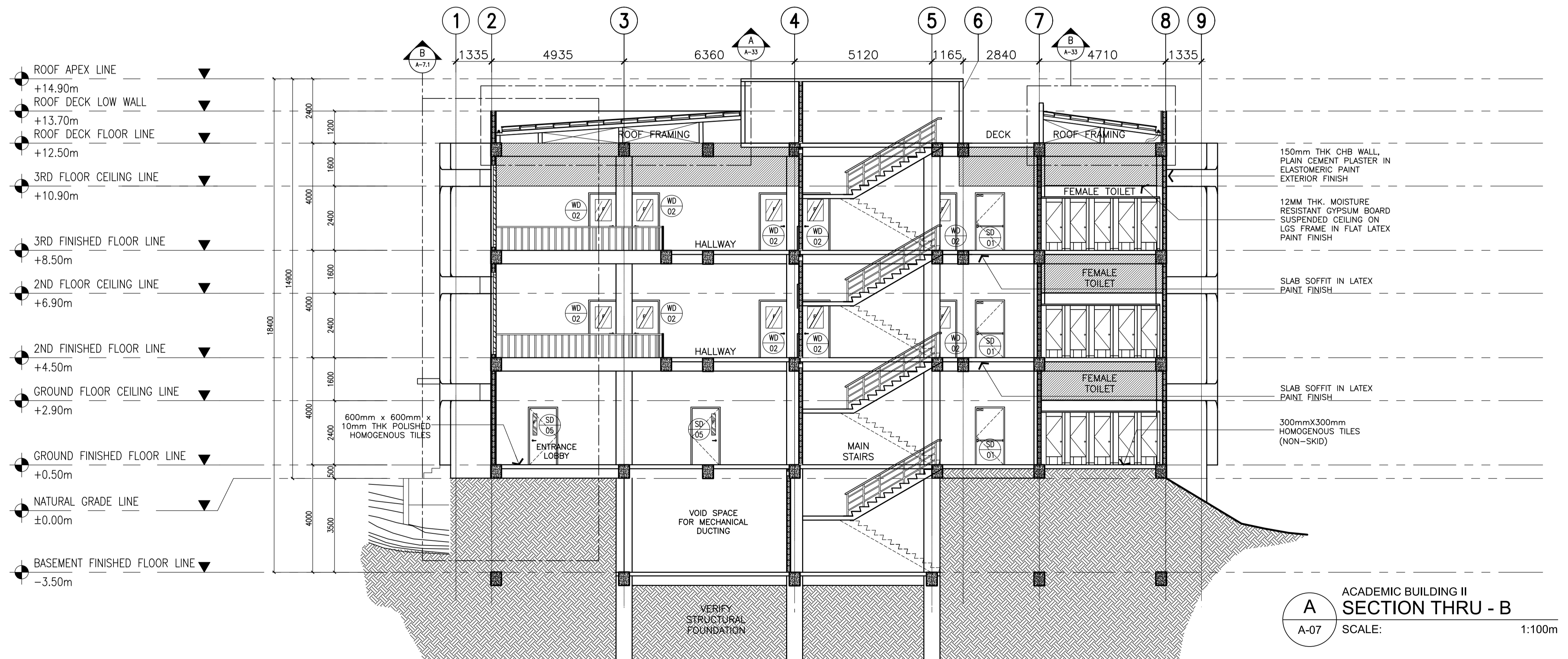
SHEET CONTENTS:  
 LEFT SIDE ELEVATION  
 RIGHT SIDE ELEVATION

SHEET NO:  






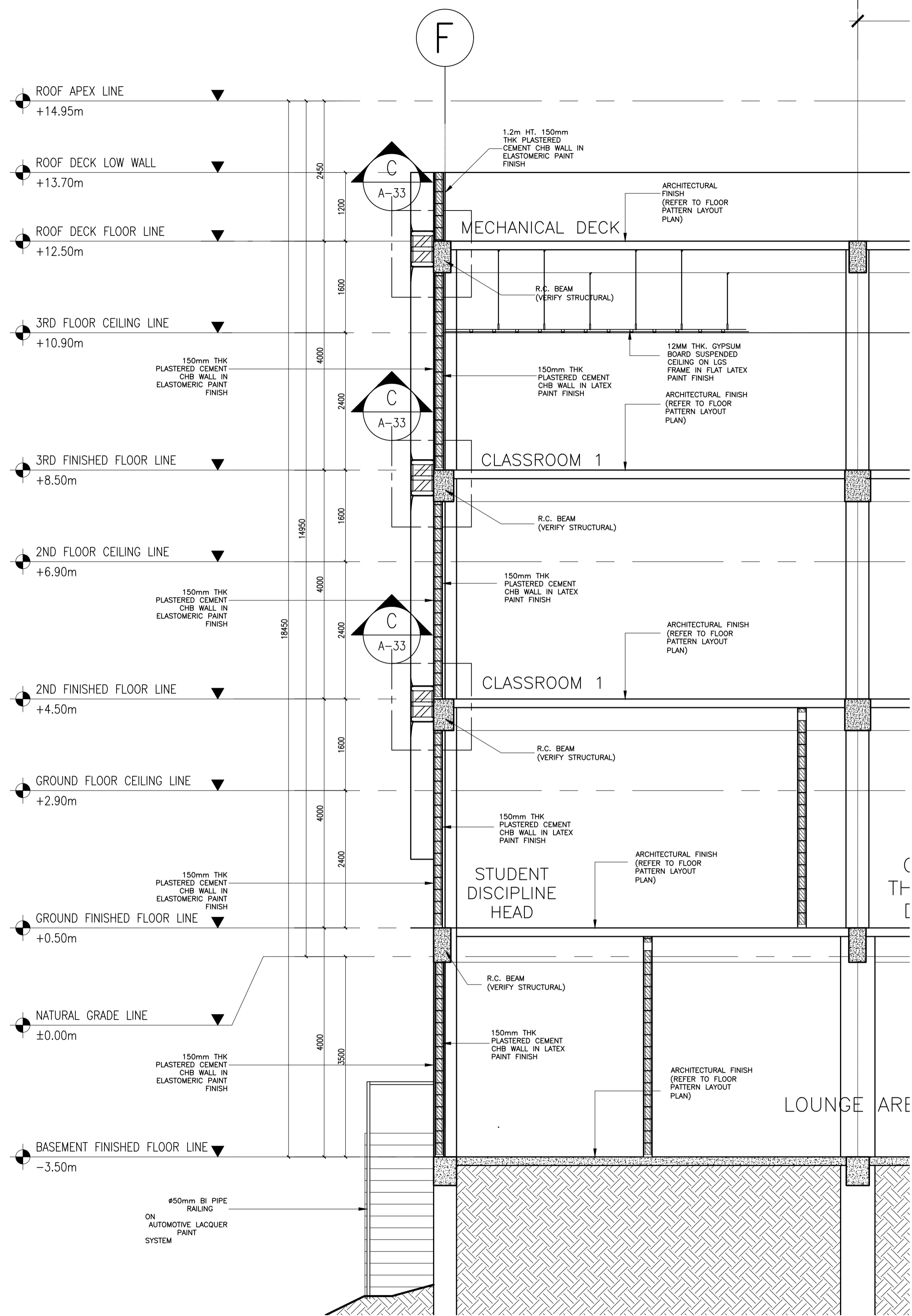
ACADEMIC BUILDING II  
SECTION THRU - A  
A-07 SCALE: 1:100m



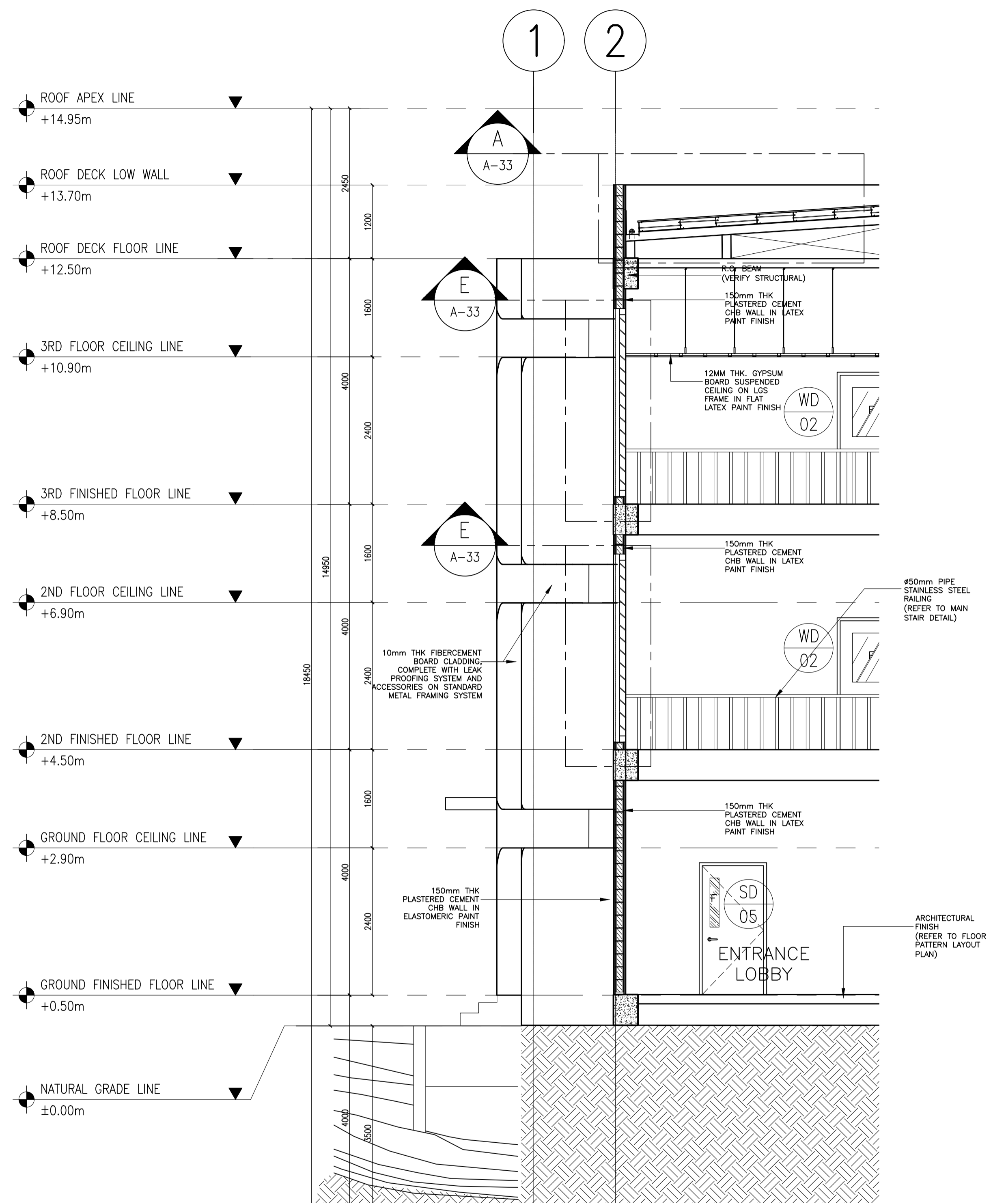
ACADEMIC BUILDING II  
SECTION THRU - B  
A-07 SCALE: 1:100m

<p>ENRIQUE O. OLONAN &amp; ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLONAN &amp; ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p>	ARCHITECT: <b>HENRY STEVE R. OLONAN</b> ARCHITECT PRC No. 17726 Validity: 04/27/2024 PTR No. 0732073 Date: 01/11/2021 Place: QUEZON CITY TIN: 106186110	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: SECTIONS	SHEET NO: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <b>A</b> </div> <div style="margin: 0 5px;">/</div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <b>07 37</b> </div> </div>
	<p style="text-align: center;">          ENRIQUE O. OLONAN &amp; ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS       </p>							



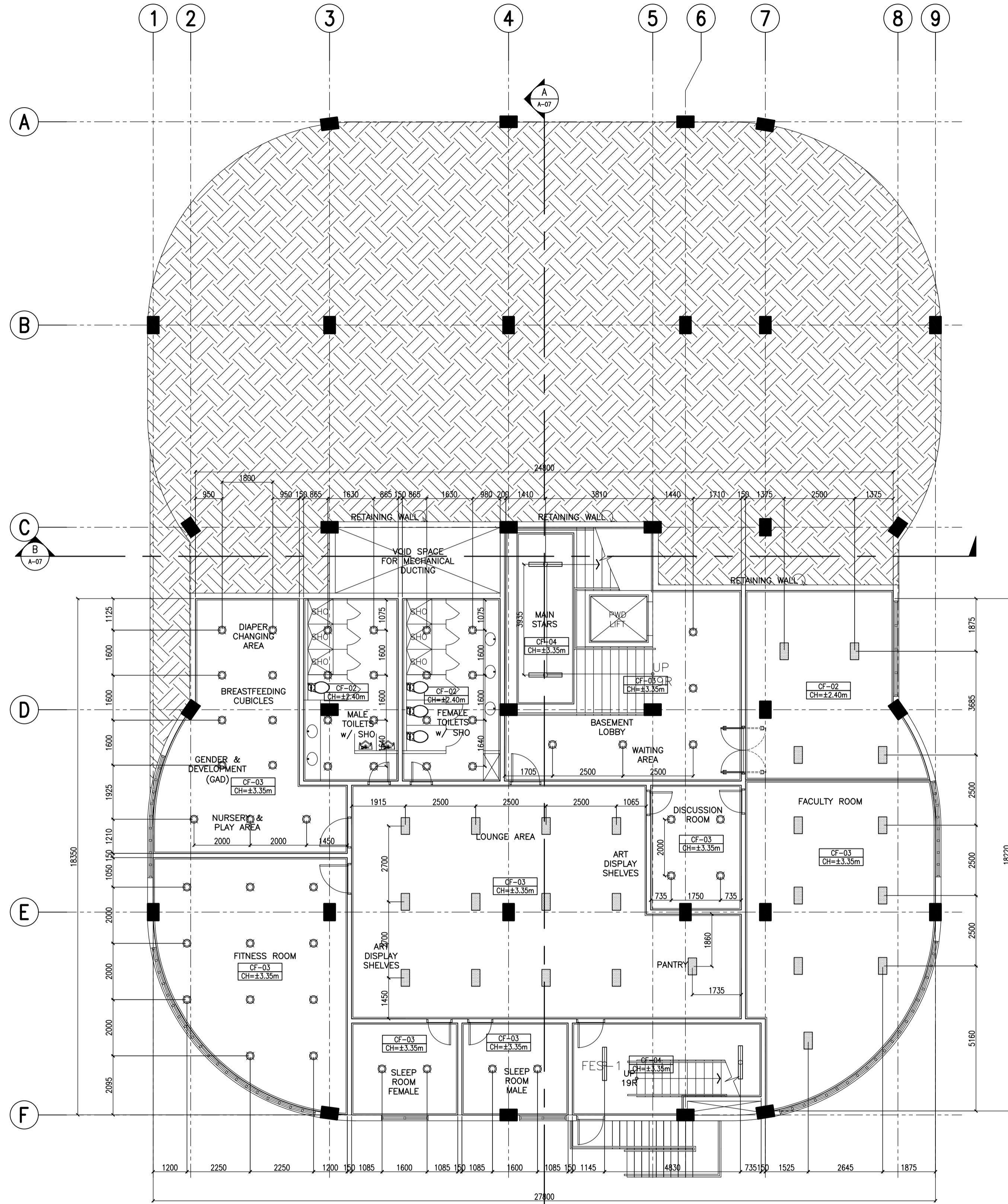


**A**  
ACADEMIC BUILDING II  
BAY SECTION A  
A-07.1 SCALE: 1:50m

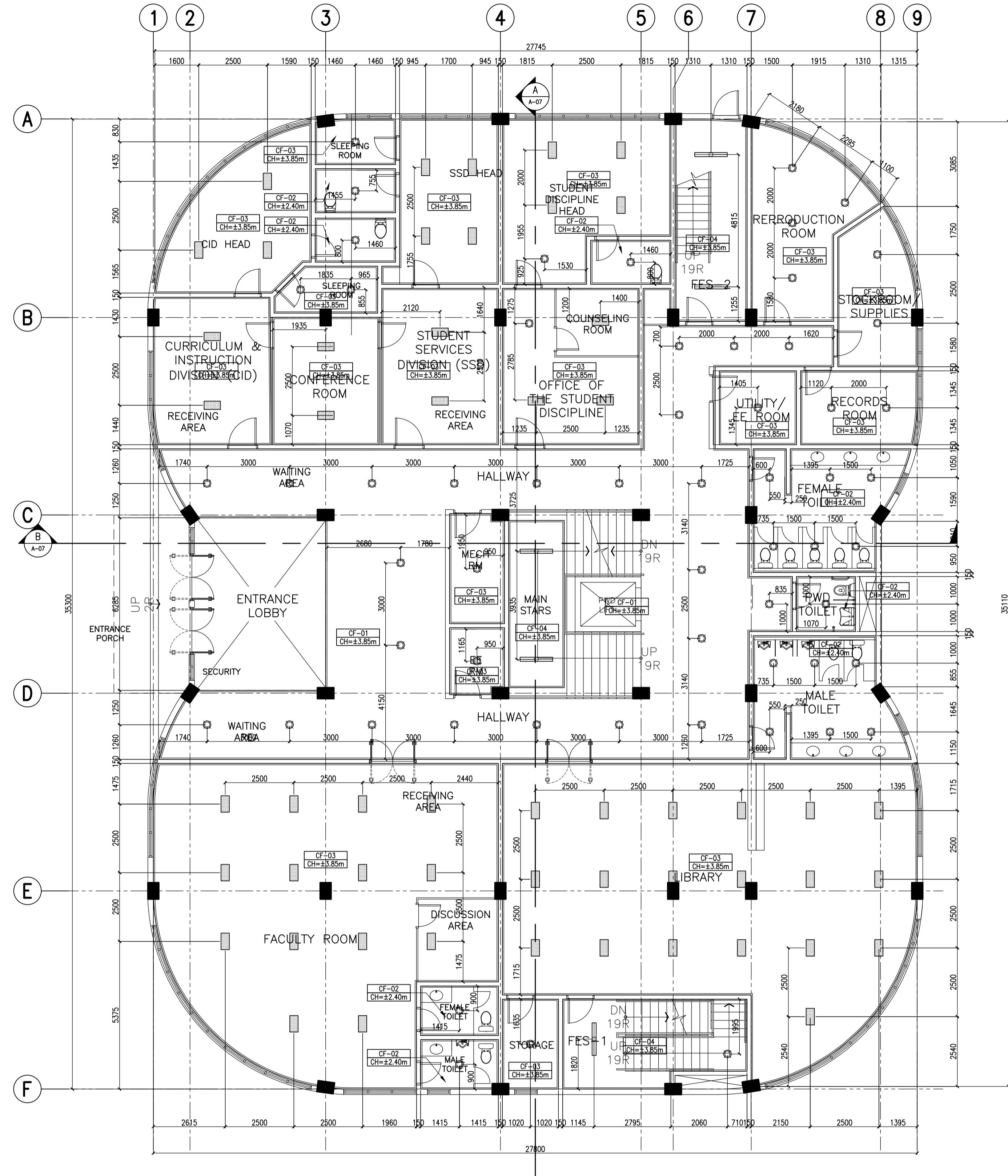


**B**  
ACADEMIC BUILDING II  
BAY SECTION B  
A-07.1 SCALE: 1:50m





**A** ACADEMIC BUILDING II  
**BASEMENT REFLECTED CEILING PLAN**  
 A-08 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**GROUND FLOOR REFLECTED CEILING PLAN**  
 A-08 SCALE: 1:100m

LEGEND	
	CF-01 12mm THK GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX BASED PAINT FINISH
	CF-02 12mm THK MOISTURE RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
	CF-03 SLAB SOFFIT IN LATEX PAINT FINISH
	CF-04 STAIR SOFFIT IN LATEX PAINT FINISH
	CF-05 150mm X 1.2m X 6mm PVC SPANDREL CEILING PANELS ON STEEL FURRING FRAMING

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE. LOROVILLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7000;  
 426 9000-04  
 FAX NOS: 927 0608;  
 426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II**

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

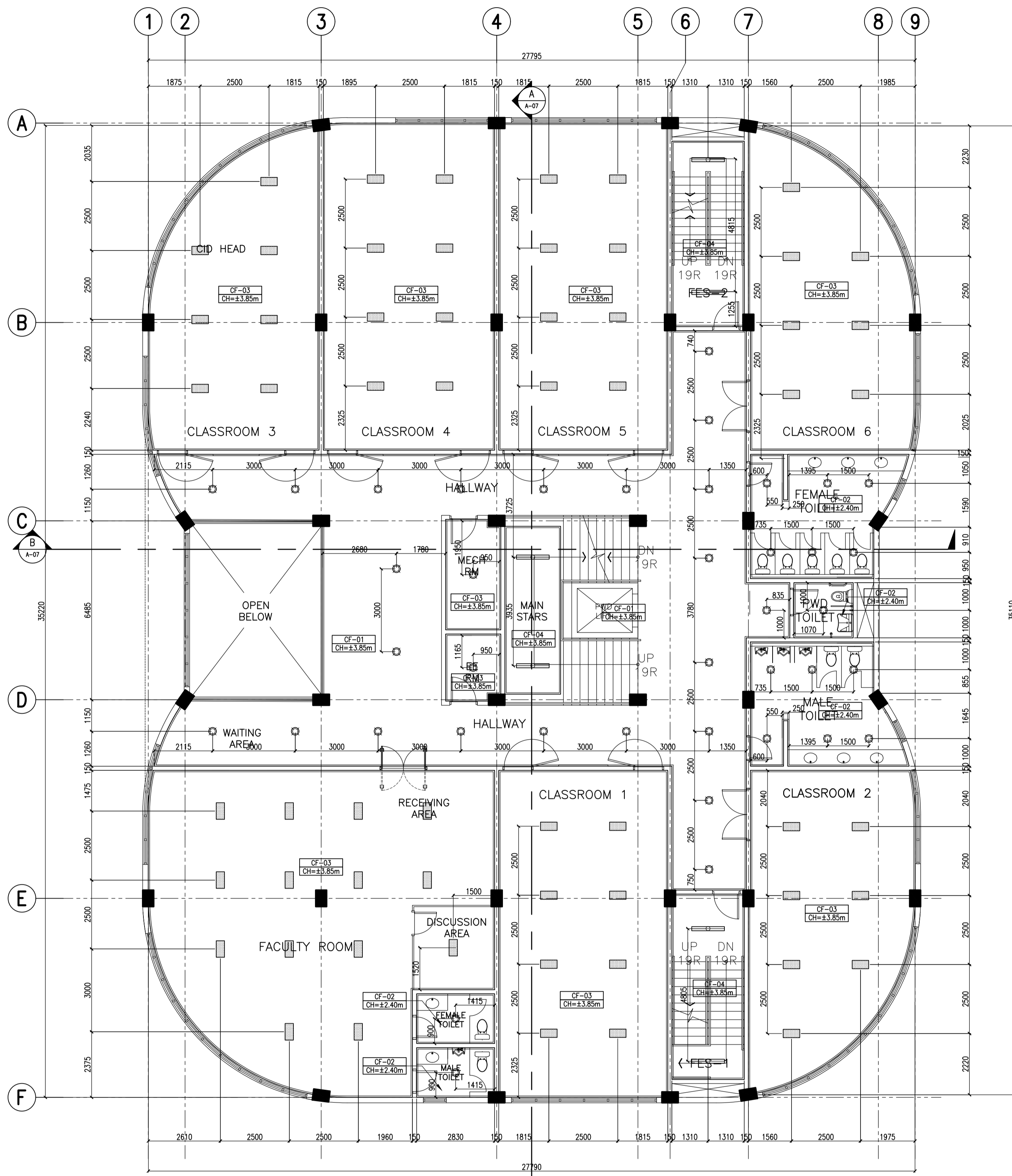
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

LOCATION: Brgy. Rizal, Odiangan, Romblon

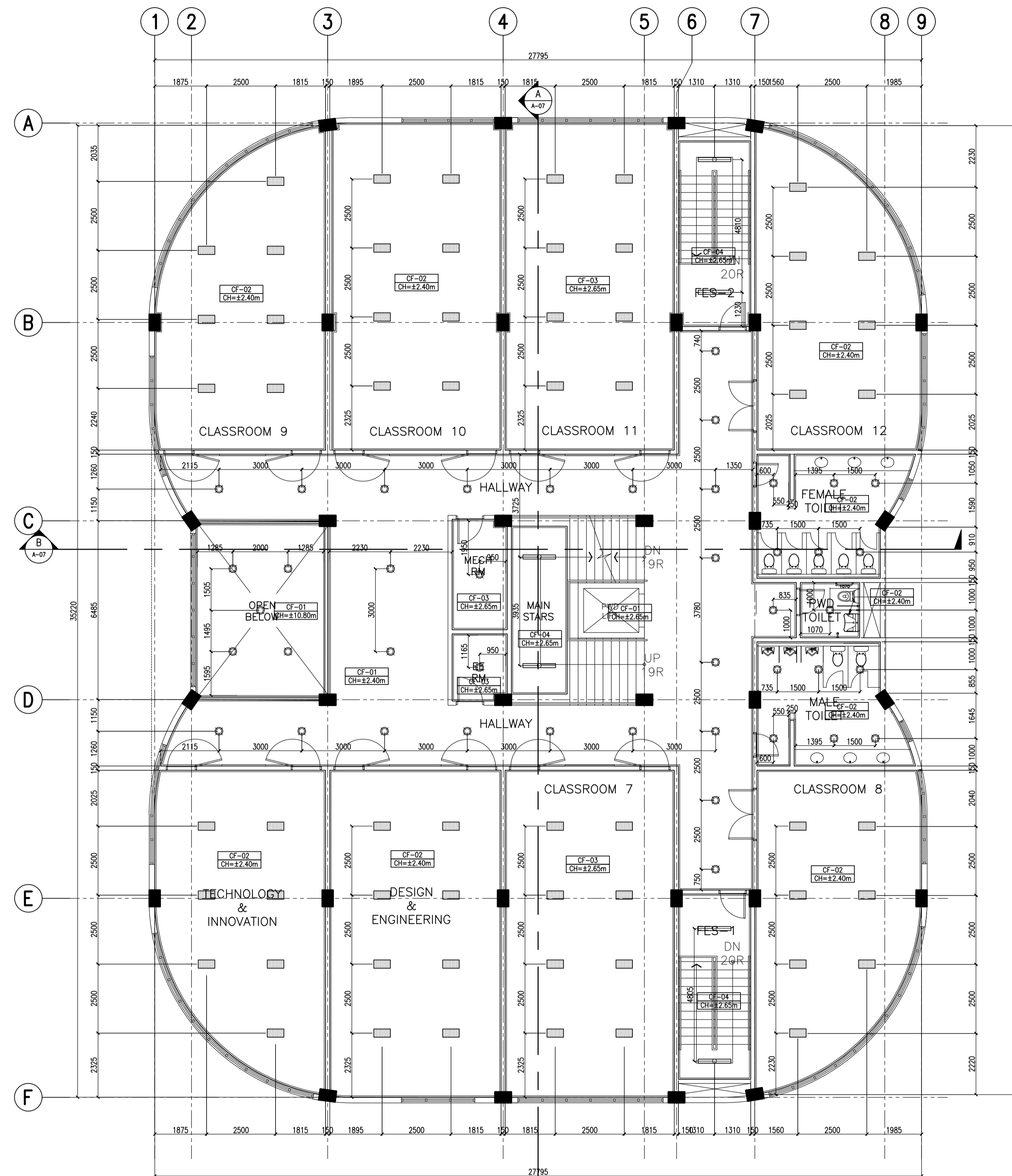
SHEET CONTENTS:  
 BASEMENT REFLECTED CEILING PLAN  
 GROUND FLOOR REFLECTED CEILING PLAN

SHEET NO:  
**A**  
 08 37





**A** ACADEMIC BUILDING II  
**SECOND FLOOR REFLECTED CEILING PLAN**  
 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**THIRD FLOOR REFLECTED CEILING PLAN**  
 SCALE: 1:100m

LEGEND		
	32 WATS, 2 PCS., FLUORESCENT DUSTPROOF LUMINAIRE LED LIGHT	CF-01
	9 WATS, 2 PCS., FLUORESCENT LUMINAIRE LED LIGHT	CF-02
	12 WATS, LED SQUARE DOWNLIGHT	CF-03
	12 WATS, LED ROUND DOWNLIGHT	CF-04
	9 WATS, 2 PCS., FLUORESCENT LUMINAIRE LED LIGHT	CF-05
	12mm THK. GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX BASED PAINT FINISH	CF-06
	12mm THK. MOISTURE RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH	CF-07
	SLAB SOFFIT IN LATEX PAINT FINISH	CF-08
	STAIR SOFFIT IN LATEX PAINT FINISH	CF-09
	150mm X 1.2m X 6mm PVC SPANDREL CEILING PANELS ON STEEL FURRING FRAMING	CF-10

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LORON, HIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 3024  
 FAX NOS: 927 0688;  
 426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

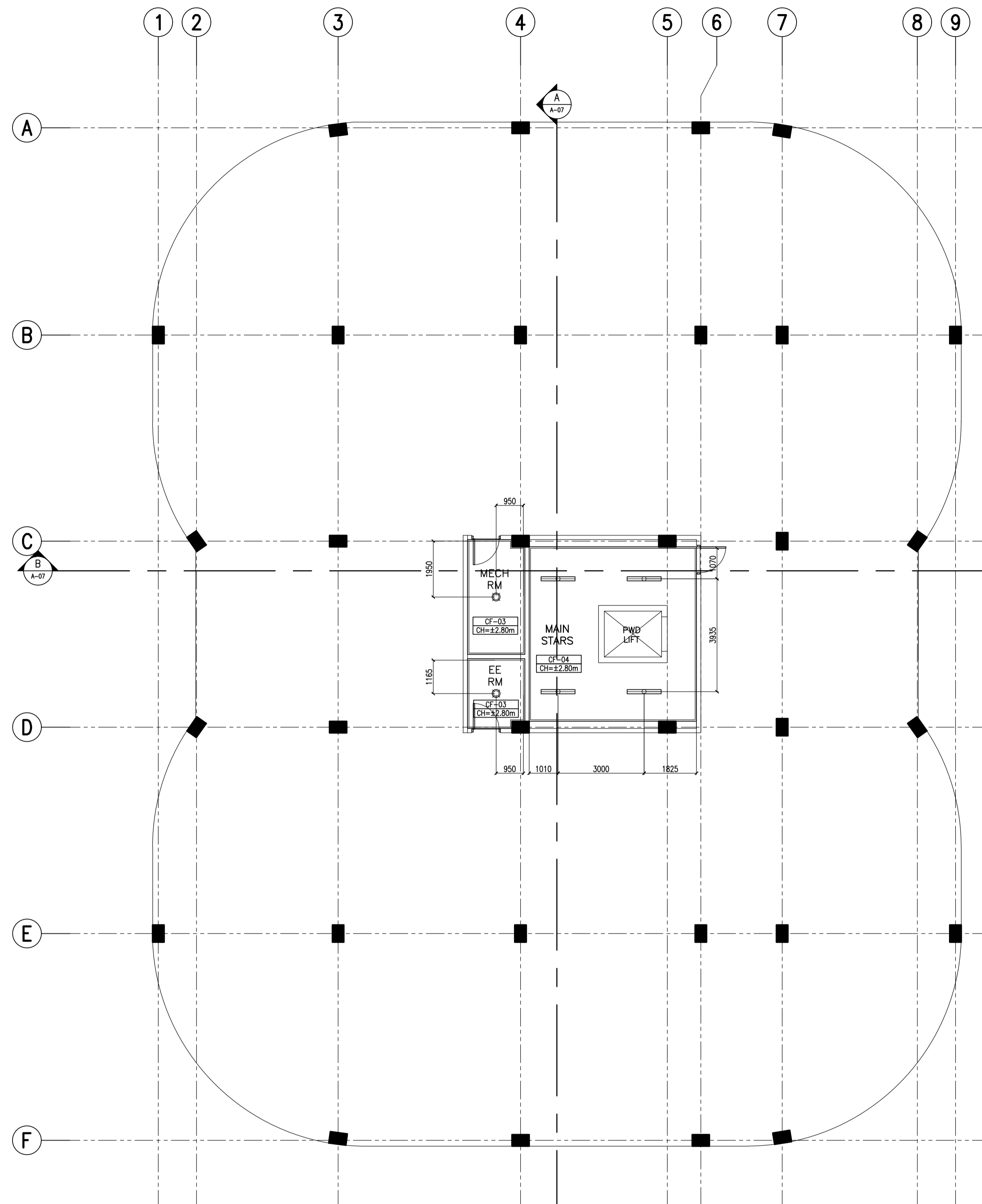
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

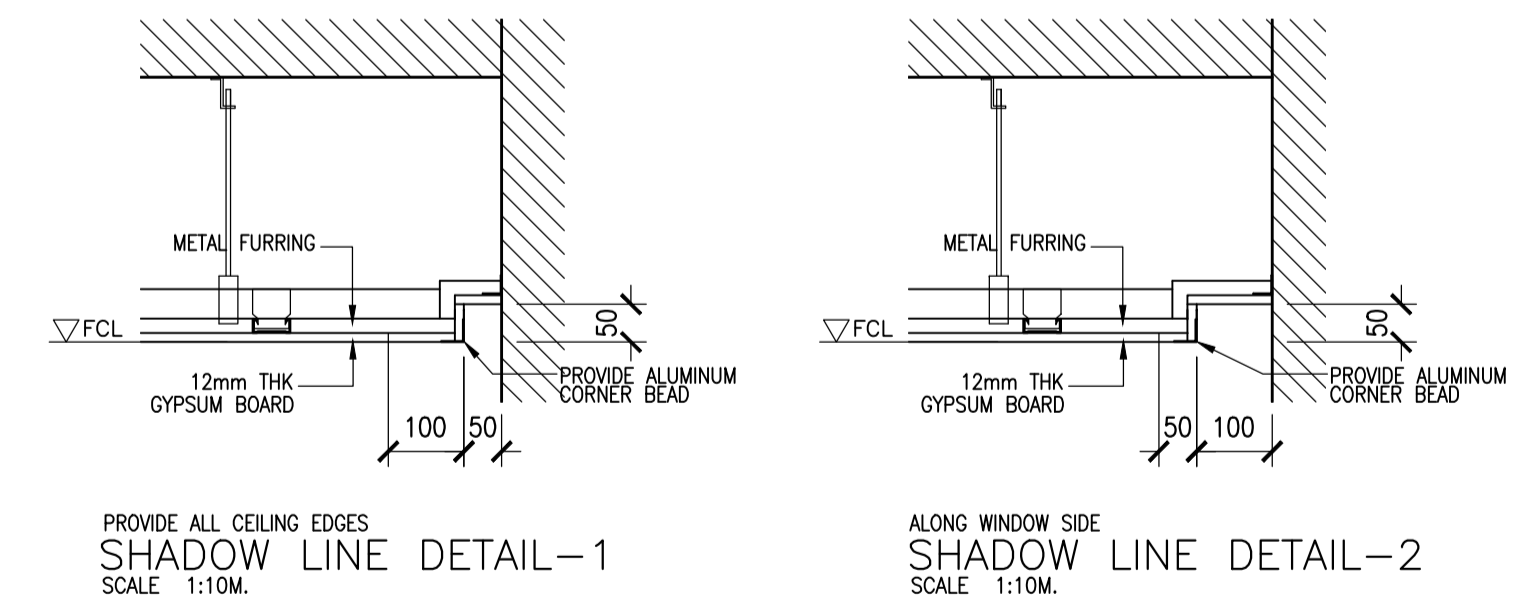
SHEET CONTENTS:  
 SECOND FLOOR REFLECTED CEILING PLAN  
 THIRD FLOOR REFLECTED CEILING PLAN

SHEET NO:  
**A**  
 09 37





**A** ACADEMIC BUILDING II  
**ROOF DECK REFLECTED CEILING PLAN**  
 A-10 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**CEILING DETAILS**  
 A-10 SCALE: NTS

LEGEND	
	32 WATTS, 2 PCS., FLUORESCENT DUSTPROOF LUMINAIRE LED LIGHT
	9 WATTS, 2 PCS., FLUORESCENT LUMINAIRE LED LIGHT
	12 WATTS, LED SQUARE DOWNLIGHT
	12 WATTS, LED ROUND DOWNLIGHT
	9 WATTS, 2 PCS., FLUORESCENT LUMINAIRE LED LIGHT

ARCHITECT:	
<b>HENRY STEVE R. OLONAN</b> ARCHITECT	
PRC No. 17726	Validity: 04/27/2024
PTR No. 0732073	Date: 01/11/2021
Place: QUEZON CITY	TIN: 106186110

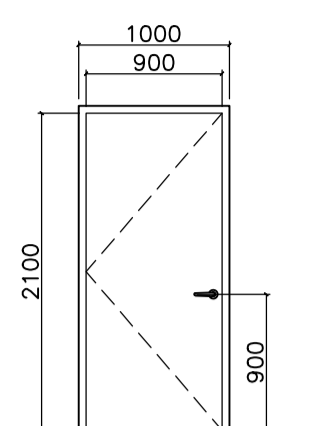
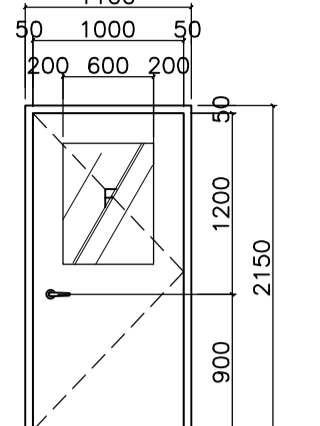
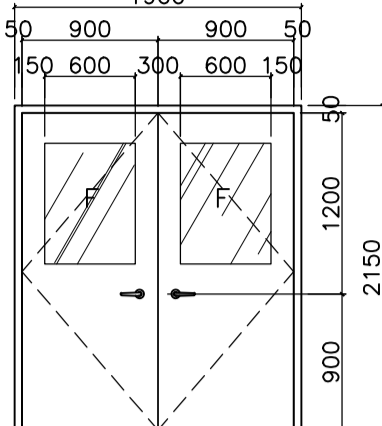
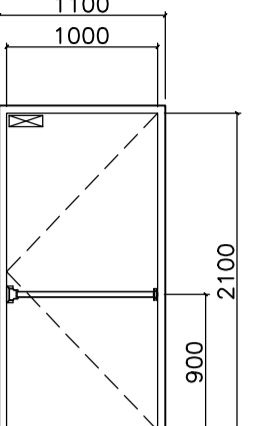
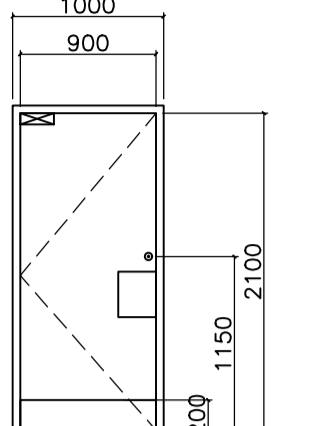
REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

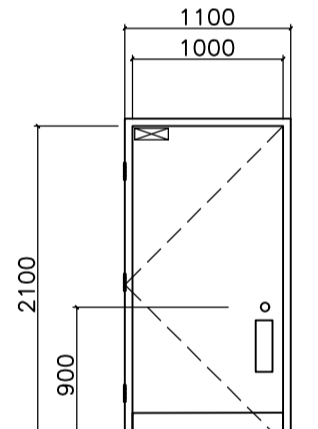
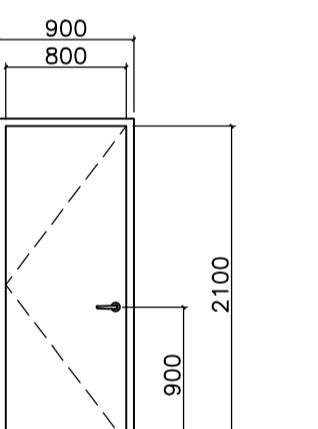
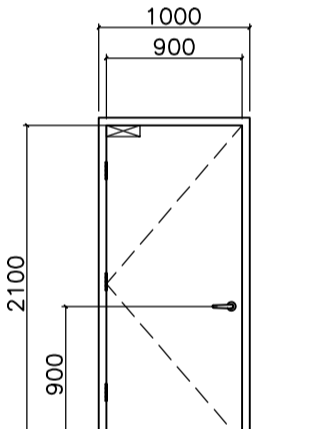
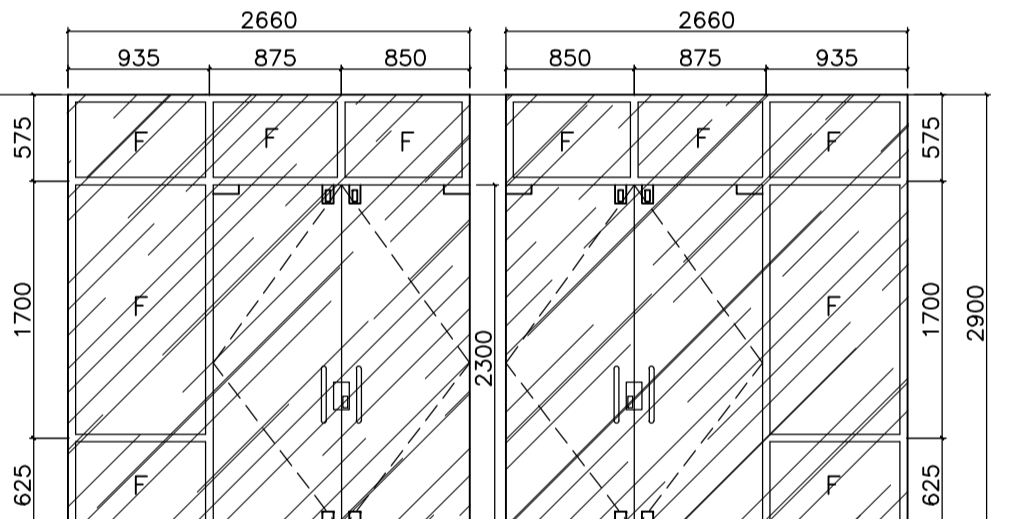
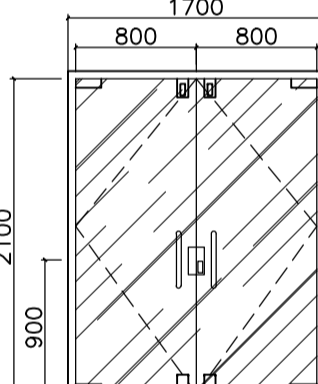
PROJECT:	<b>PROPOSED ACADEMIC BUILDING II</b>
DESIGNED FOR:	
RECOMMENDING APPROVAL:	<b>MERIAM F. FALLAR</b> FAD CHIEF
APPROVED BY:	<b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR
SHEET CONTENTS:	ROOF DECK REFLECTED CEILING PLAN
SHEET NO:	<b>A</b> 10 37

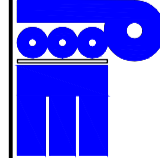

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LOYOLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 6608;  
 426 7214



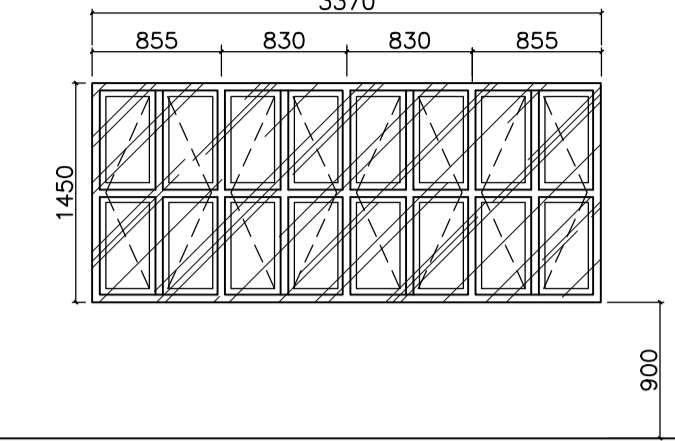
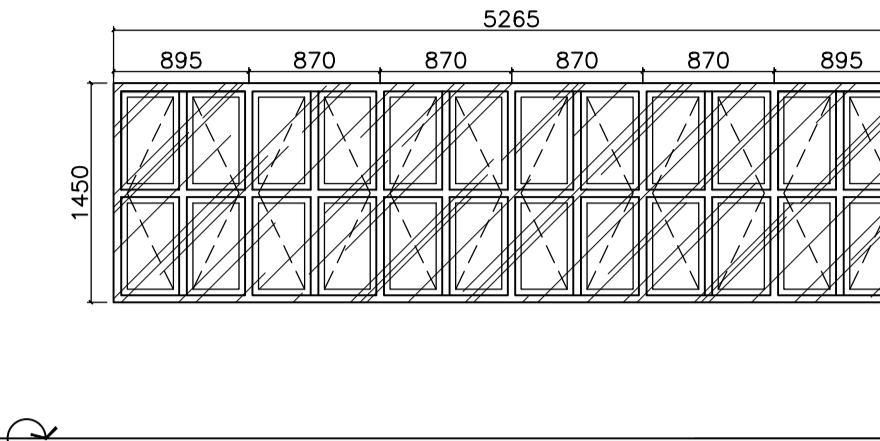
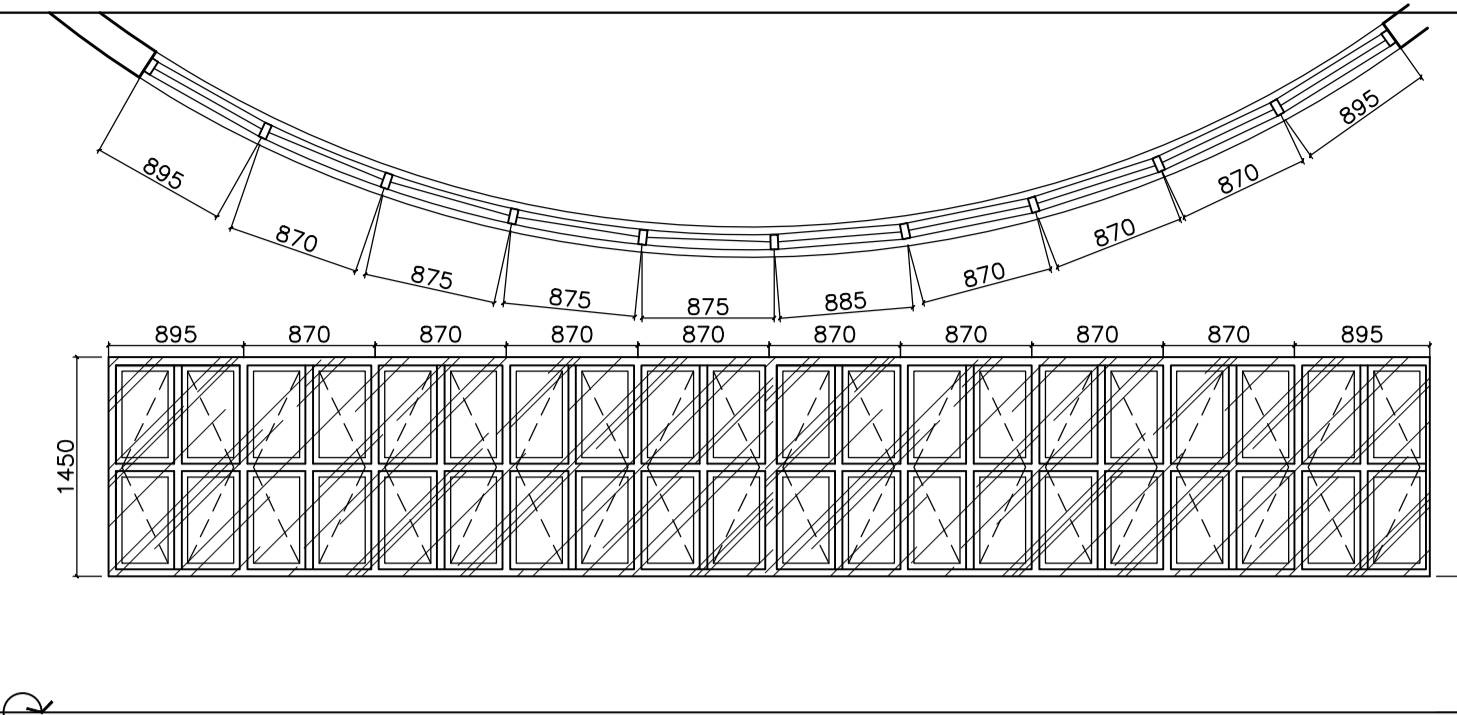
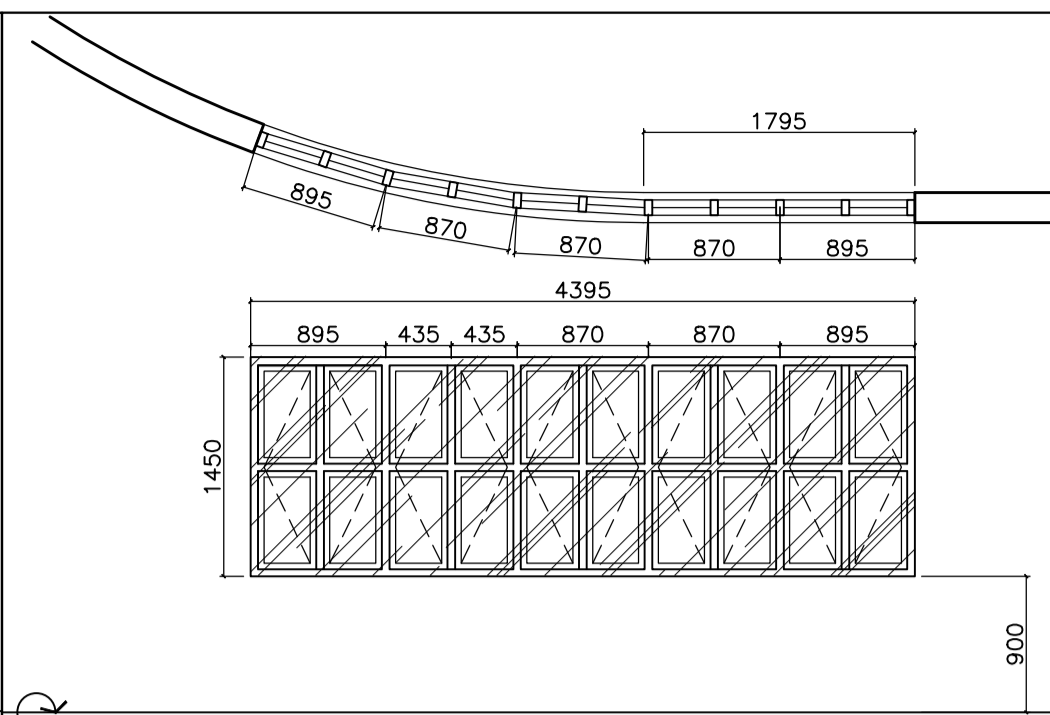
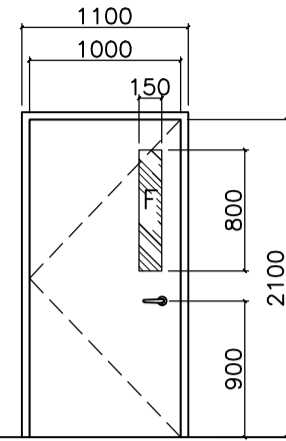
				
DOOR TAG: <b>WD 01</b>	DOOR TAG: <b>WD 02</b>	DOOR TAG: <b>WD 03</b>	DOOR TAG: <b>SD 01</b>	DOOR TAG: <b>SD 02</b>
LOCATION: SLEEPING ROOMS	LOCATION: CLASSROOMS	LOCATION: CLASSROOMS	LOCATION: FIRE EXITS	LOCATION: TOILETS
DESCRIPTION: WOOD DOOR - SINGLE LEAF, SINGLE SWING, HOLLOW CORE FRAMED DOOR.	DESCRIPTION: WOOD DOOR, SINGLE LEAF, 180 SWING, HOLLOW CORE FRAMED DOOR WITH 6mm THK GLASS VIEW PANEL.	DESCRIPTION: WOOD DOOR, DOUBLE LEAF, SINGLE SWING, HOLLOW CORE FRAMED DOOR WITH 6mm THK GLASS VIEW PANEL.	DESCRIPTION: STEEL DOOR, SINGLE LEAF, SINGLE SWING, HOLLOW CORE METAL DOOR WITH 2 HOUR FIRE RATING. WITH FIRE EXIT DEVICE.	DESCRIPTION: SINGLE LEAF, HOLLOW CORE METAL DOOR
FINISHES: - 44mm THICK WOOD DOOR FRAMES WITH 4.5 THICK CLASS "A" MARINE PLYWOOD DOOR SKIN, OIL STAINED FINISH TOP WITH CLEAR GLOSS LACQUER TOP COAT FINISH.	FINISHES: 44mm THICK WOOD DOOR FRAMES WITH 4.5 THICK CLASS "A" MARINE PLYWOOD DOOR SKIN, OIL STAINED FINISH TOP WITH CLEAR GLOSS LACQUER TOP COAT FINISH.	FINISHES: 44mm THICK WOOD DOOR FRAMES WITH 4.5 THICK CLASS "A" MARINE PLYWOOD DOOR SKIN, OIL STAINED FINISH TOP WITH CLEAR GLOSS LACQUER TOP COAT FINISH.	FINISHES: - 44mm THICK METAL DOOR FRAMES WITH 1.20mm THICK METAL SHEET DOOR SKIN, EPOXY PRIMER PAINTED WITH AUTOMOTIVE LACQUER PAINT FINISH.	FINISHES: - 44mm THICK METAL DOOR FRAMES WITH 1.20mm THICK METAL SHEET DOOR SKIN, EPOXY PRIMER PAINTED WITH AUTOMOTIVE LACQUER PAINT FINISH.
HARDWARE: - ANSI GRADE 2, UL LISTED CYLINDRICAL LEVER TYPE LOCKSET IN SATIN CHROME FINISH, ENTRANCE FUNCTION (J.L. BARON 4000L) - 3 PCS. FULL-MORTISE 2-BALL BEARING HINGES 4" x 4" x 3.0MM THK. UL LISTED (J.L. BARON) - ALUMINUM SADDLE THRESHOLDS (PEMKO)	HARDWARE: ANSI GRADE 2, UL LISTED CYLINDRICAL LEVER TYPE LOCKSET IN SATIN CHROME FINISH, ENTRANCE FUNCTION (J.L. BARON 4000L) 3 PCS. FULL-MORTISE 2-BALL BEARING HINGES 4" x 4" x 3.0MM THK. UL LISTED (J.L. BARON)	HARDWARE: ANSI GRADE 2, UL LISTED CYLINDRICAL LEVER TYPE LOCKSET IN SATIN CHROME FINISH, ENTRANCE FUNCTION (J.L. BARON 4000L) 3 PCS. FULL-MORTISE 2-BALL BEARING HINGES 4" x 4" x 3.0MM THK. UL LISTED (J.L. BARON)	HARDWARE: -4 PCS. FULL-MORTISE BALL BEARING HINGES - FIRE RATED RIM EXIT DEVICE IN SATIN CHROMIUM FINISH. - 1 SET SURFACE MOUNT IN ALUMINUM PLATED FINISH.	HARDWARE: - 4 PCS. FULL-MORTISE BALL BEARING HINGES - ONE WAY DEADBOLT LOCK, SATIN CHROMIUM PLATED FINISH - 2 SETS PUSH PLATE: RADIUS CORNER 76 x 305 x 1.6MM - 1 SET PULL PLATE: ROUND CORNER 76 x 305 x 1.6MM - 1 SET SURFACE MOUNT, HOLD OPEN STANDARD ARM, ALUM. PLATED FINISH - 300 MM HEIGHT x DOOR WIDTH STAINLESS STEEL KICKPLATE
JAMB/FRAME: FROM 2" X 4" S4S KILN DRY TANGUILE WOOD.	JAMB/FRAME: FROM 2" X 4" S4S KILN DRY TANGUILE WOOD.	JAMB/FRAME: FROM 2" X 4" S4S KILN DRY TANGUILE WOOD.	JAMB/FRAME: 1.5mm THICK X 50mm X 100mm, SINGLE RABBETED STOP METAL SHEET, FACTORY PRE-FORMED.	JAMB/FRAME: 1.5mm THICK X 50mm X 100mm, SINGLE RABBETED STOP METAL SHEET, FACTORY PRE-FORMED.
NO. OF SETS: 3 SETS	NO. OF SETS: 8 SETS	NO. OF SETS: 1 SETS	NO. OF SETS: 10 SETS	NO. OF SETS: 15 SETS
NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.

				
DOOR TAG: <b>SD 03</b>	DOOR TAG: <b>SD 04</b>	DOOR TAG: <b>SD 06</b>	DOOR TAG: <b>GD 01</b>	DOOR TAG: <b>GD 02</b>
LOCATION: PWD TOILETS	LOCATION: STORAGES	LOCATION: UTILITY ROOMS, EE ROOMS, MECHANICAL ROOMS	LOCATION: MAIN DOOR	LOCATION: FACULTY ROOM, LIBRARY
DESCRIPTION: SINGLE LEAF, HOLLOW CORE METAL DOOR	DESCRIPTION: STEEL DOOR - SINGLE LEAF,	DESCRIPTION: SINGLE LEAF, HOLLOW CORE METAL DOOR, WITH 2 HOUR FIRE RATING.	DESCRIPTION: FRAMED GLASS DOOR; DOUBLE LEAF, SINGLE SWING DOOR PANELS. WITH FIXED GLASS PANELS AND TRANSOM	DESCRIPTION: FRAMED GLASS DOOR; DOUBLE LEAF, SINGLE SWING DOOR PANELS.
FINISHES: - 44mm THICK METAL DOOR FRAMES WITH 1.20mm THICK METAL SHEET DOOR SKIN, EPOXY PRIMER PAINTED WITH AUTOMOTIVE LACQUER PAINT FINISH.	FINISHES: - 44mm THICK METAL DOOR FRAMES WITH 1.20mm THICK METAL SHEET DOOR SKIN, EPOXY PRIMER PAINTED WITH AUTOMOTIVE LACQUER PAINT FINISH.	FINISHES: - 44mm THICK METAL DOOR FRAMES WITH 1.20mm THICK METAL SHEET DOOR SKIN, EPOXY PRIMER PAINTED WITH AUTOMOTIVE LACQUER PAINT FINISH.	FINISHES: 12MM THK TEMPERED GLASS ON STANDARD POWDER COATED ALUMINUM FINISH	FINISHES: 12MM THK TEMPERED GLASS ON STANDARD POWDER COATED ALUMINUM FINISH
HARDWARE: - 4 PCS. FULL-MORTISE BALL BEARING HINGES - ONE WAY DEADBOLT LOCK, SATIN CHROMIUM PLATED FINISH - 2 SETS PUSH PLATE: RADIUS CORNER 76 x 305 x 1.6MM - 1 SET PULL PLATE: ROUND CORNER 76 x 305 x 1.6MM - 1 SET SURFACE MOUNT, HOLD OPEN STANDARD ARM, ALUMINUM PLATED FINISH - 300 MM HEIGHT x DOOR WIDTH STAINLESS STEEL KICKPLATE	HARDWARE: - 8 PCS. FULL-MORTISE BALL BEARING HINGES 114 x 114mm x 3.0MM THK STAINLESS STEEL WITH ST. STEEL PIN x BHMA 630 - HEAVY DUTY CYLINDRICAL LEVER KEYED-LOCKSET IN SATIN CHROMIUM PLATED FINISH - 2 SETS SURFACE MOUNTED, HOLD OPEN (PUSH SIDE), SLIDE CHANNEL ARM - HEAVY DUTY CYLINDRICAL LEVER DUMMY TRIMANSI IN SATIN CHROMIUM PLATED FINISH	HARDWARE: - 4 PCS. FULL-MORTISE BALL BEARING HINGES - HEAVY DUTY CYLINDRICAL LEVER KEYED-LOCKSET, SATIN CHROMIUM PLATED FINISH - 1 SET SURFACE MOUNT, HOLD OPEN STANDARD ARM, ALUMINUM PLATED FINISH	HARDWARE: - STAINLESS STEEL CORROSION CLASS 5 FLOOR HINGE - TOP AND BOTTOM DEADBOLT SATIN CHROMIUM PLATED FINISH - 2 SETS OFFSET MOUNTING VERTICAL PULL HANDLES 32MM DIA x 2300MM	HARDWARE: - STAINLESS STEEL CORROSION CLASS 5 FLOOR HINGE - TOP AND BOTTOM DEADBOLT SATIN CHROMIUM PLATED FINISH - 2 SETS OFFSET MOUNTING VERTICAL PULL HANDLES 32MM DIA x 2300MM
JAMB/FRAME: 1.5mm THICK X 50mm X 100mm, SINGLE RABBETED STOP METAL SHEET, FACTORY PRE-FORMED.	JAMB/FRAME: 1.5mm THICK X 50mm X 100mm, SINGLE RABBETED STOP METAL SHEET, FACTORY PRE-FORMED.	JAMB/FRAME: 1.5mm THICK X 50mm X 100mm, SINGLE RABBETED STOP METAL SHEET, FACTORY PRE-FORMED.	JAMB/FRAME: 1.2MM THK X 50MM X 100MM CLOSE TUBE ALUMINUM SECTION POWDER COATED FINISH	JAMB/FRAME: 1.2MM THK X 50MM X 100MM CLOSE TUBE ALUMINUM SECTION POWDER COATED FINISH
NO. OF SETS: 3 SETS	NO. OF SETS: 4 SETS	NO. OF SETS: 9 SETS	NO. OF SETS: 1 SET	NO. OF SETS: 2 SETS
NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE: SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.

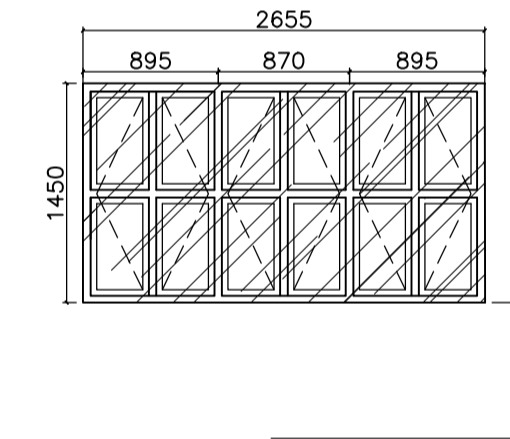
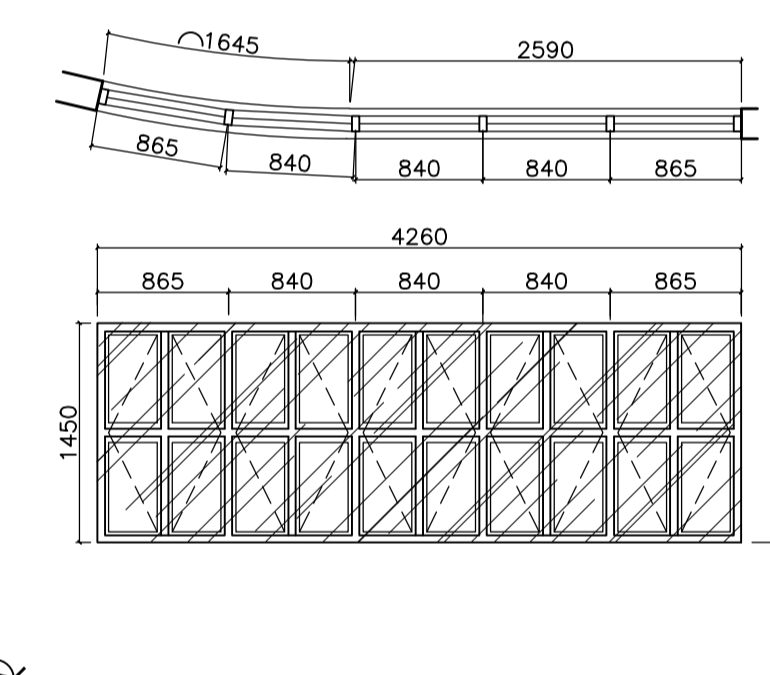
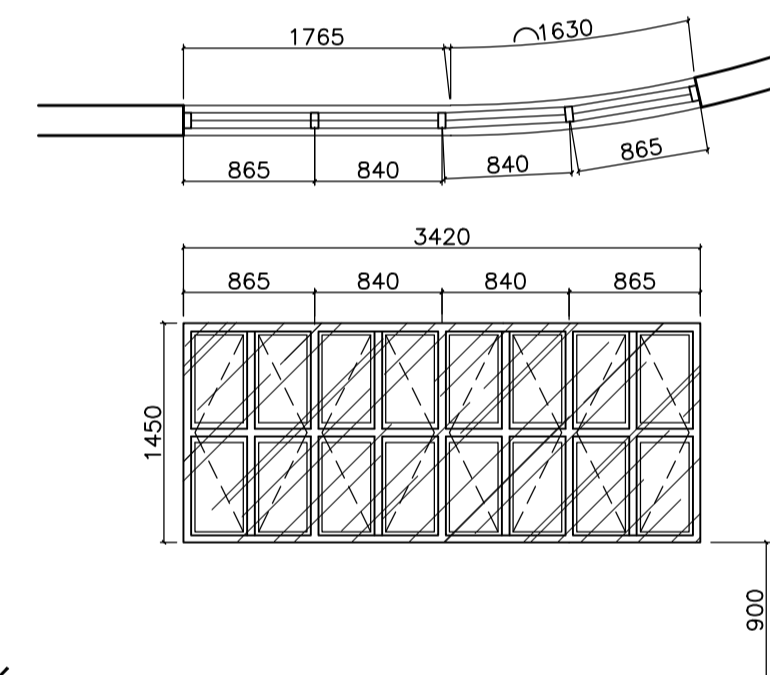
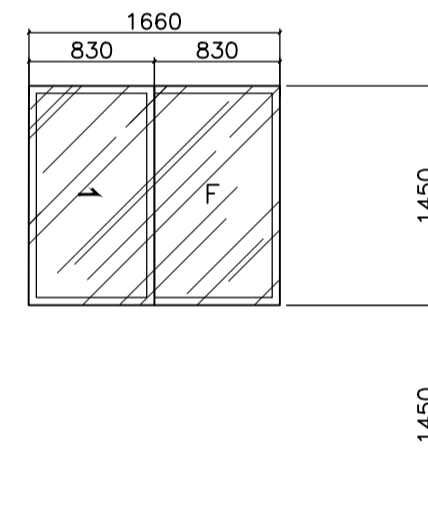
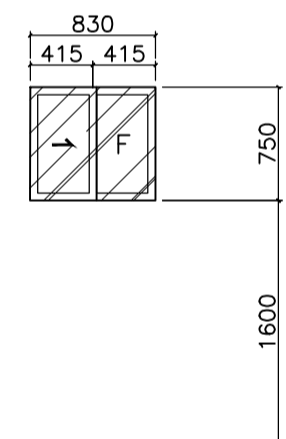
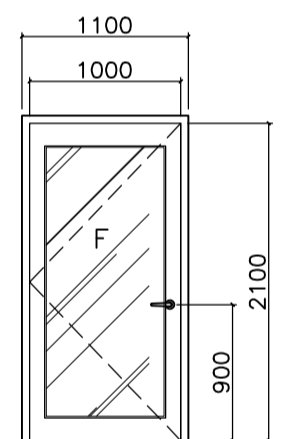
 <b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE. LOPOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 9003-04 FAX NOS: 927 0608; 426 7214 <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ARCHITECT: <b>HENRY STEVE R. OLONAN</b> ARCHITECT PRC No. 0732073 Place: QUEZON CITY	VALIDITY: 04/27/2024 Date: 01/11/2021 TIN: 106186110	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: SCHEDULE OF DOORS AND WINDOWS	SHEET NO: <b>A</b> 11   37
---	---	--	---	---	---	---	--	---	-------------------------------



**NOTE: ALL WINDOWS WILL HAVE A TUBULAR STEEL GRILLS WITH 300mm SPACING**



DOOR TAG	SD 05	WINDOW TAG	W 01	WINDOW TAG	W 02	WINDOW TAG	W 03	WINDOW TAG	W 04
LOCATION	FITNESS ROOM, GENDER & DEVELOPMENT AND OFFICES	LOCATION	GENDER & DEVELOPMENT (GAD), (CID), TECHNOLOGY & INNOVATION, CLASSROOM, FACULTY	LOCATION	FITNESS, FACULTY, CLASSROOM, TECHNOLOGY & INNOVATION	LOCATION	STUDENT DISCIPLINE HEAD, CLASSROOMS	LOCATION	SSD HEAD, CLASSROOMS
DESCRIPTION	STEEL DOOR, SINGLE LEAF, SINGLE SWING, HOLLOW CORE FRAMED DOOR WITH 6mm THK GLASS VIEW PANEL.	DESCRIPTION	WELDED FLAT & ANGULAR BAR FRAMED CASEMENT WINDOW	DESCRIPTION	WELDED FLAT & ANGULAR BAR FRAMED CASEMENT WINDOW	DESCRIPTION	WELDED FLAT & ANGULAR BAR FRAMED CASEMENT WINDOW	DESCRIPTION	WELDED FLAT & ANGULAR BAR FRAMED CASEMENT WINDOW
FINISHES	44mm THICK METAL DOOR FRAME USING 1.20mm THICK METAL SHEET DOOR SKIN, EPOXY PRIMER PAINTED WITH AUTOMOTIVE LACQUER PAINT FINISH.	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.
HARDWARE	4 PCs. FULL-MORTISE BALL BEARING HINGES HEAVY DUTY CYLINDRICAL LEVER KEYED-LOCKSET SATIN CHROMIUM PLATED FINISH 1 SET SURFACE MOUNT, HOLD OPEN STANDARD ARM, ALUMINUM PLATED FINISH 1 SET FLOOR STOP: DOME TYPE-LOW, SATIN CHROMIUM FINISH	HARDWARE	COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.	HARDWARE	COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.	HARDWARE	COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.	HARDWARE	COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.
JAMB/FRAME	1.5mm THICK X 50mm X 100mm, SINGLE RABBETED STOP METAL SHEET, FACTORY PRE-FORMED.	JAMB/FRAME	WELDED FLAT BAR & ANGULAR BAR	JAMB/FRAME	WELDED FLAT BAR & ANGULAR BAR	JAMB/FRAME	WELDED FLAT BAR & ANGULAR BAR	JAMB/FRAME	WELDED FLAT BAR & ANGULAR BAR
NO. OF SETS	5 SETS	NO. OF SETS	6 SETS	NO. OF SETS	6 SETS	NO. OF SETS	6 SETS	NO. OF SETS	6 SETS
NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.



DOOR TAG	GD 03	WINDOW TAG	W 05	WINDOW TAG	W 06	WINDOW TAG	W 07	WINDOW TAG	W 08	WINDOW TAG	W 09
LOCATION	WAITING AREA, CONFERENCE ROOM, DISCUSSION ROOM, COUNSELING ROOM	LOCATION	TOILET	LOCATION	SLEEPING ROOMS	LOCATION	CLASSROOM, LIBRARY, FACULTY ROOM	LOCATION	CLASSROOMS, RECORD ROOMS	LOCATION	CLASSROOM, FACULTY ROOM
DESCRIPTION	FRAMED GLASS DOOR; SINGLE LEAF, SINGLE SWING DOOR PANELS.	DESCRIPTION	SLIDING WINDOWS	DESCRIPTION	SLIDING WINDOWS	DESCRIPTION	WELDED FLAT & ANGULAR BAR FRAMED CASEMENT WINDOW	DESCRIPTION	WELDED FLAT & ANGULAR BAR FRAMED CASEMENT WINDOW	DESCRIPTION	WELDED FLAT & ANGULAR BAR FRAMED CASEMENT WINDOW
FINISHES	12MM THK TEMPERED GLASS ON STANDARD POWDER COATED ALUMINUM FINISH	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.	FINISHES	6mm THK ANNEALED GLASS, COMPLETE WITH SEALANTS AND WEATHER STRIPPING.
HARDWARE	STAINLESS STEEL CORROSION CLASS 5 FLOOR HINGE TOP AND BOTTOM DEADBOLT SATIN CHROMIUM PLATED FINISH 2 SETS OFFSET MOUNTING VERTICAL PULL HANDLES 32MM DIA x 2300MM	HARDWARE	POWDER COATED FINISH ALUMINUM WINDOW FRAME AWNING ALUMINUM FRAMED GLASS WINDOW AND ALUMINUM FRAME WINDOW SCREEN (1/8" MESH) COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.	HARDWARE	POWDER COATED FINISH ALUMINUM WINDOW FRAME AWNING ALUMINUM FRAMED GLASS WINDOW AND ALUMINUM FRAME WINDOW SCREEN (1/8" MESH) COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.	HARDWARE	COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.	HARDWARE	COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.	HARDWARE	COMPLETE WITH CAM HANDLE, HINGES AND STANDARD PARTS & ACCESSORIES.
JAMB/FRAME	1.2MM THK x 50MM x 100MM CLOSE TUBE ALUMINUM SECTION POWDER COATED FINISH	JAMB/FRAME	1.2MM THK x 50MM x 100MM CLOSE TUBE ALUMINUM SECTION POWDER COATED FINISH	JAMB/FRAME	1.2MM THK x 50MM x 100MM CLOSE TUBE ALUMINUM SECTION POWDER COATED FINISH	JAMB/FRAME	WELDED FLAT BAR & ANGULAR BAR	JAMB/FRAME	WELDED FLAT BAR & ANGULAR BAR	JAMB/FRAME	WELDED FLAT BAR & ANGULAR BAR
NO. OF SETS	3 SETS	NO. OF SETS	6 SETS	NO. OF SETS	6 SETS	NO. OF SETS	6 SETS	NO. OF SETS	6 SETS	NO. OF SETS	6 SETS
NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.	NOTE	SEE PROJECT MANUAL FOR ACCESSORIES AND SPECIFICATIONS DETAIL.

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORRAINE HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 5402-04  
FAX NOS: 927 0608;  
426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
PTR No. 0732073 Date: 01/11/2021  
Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

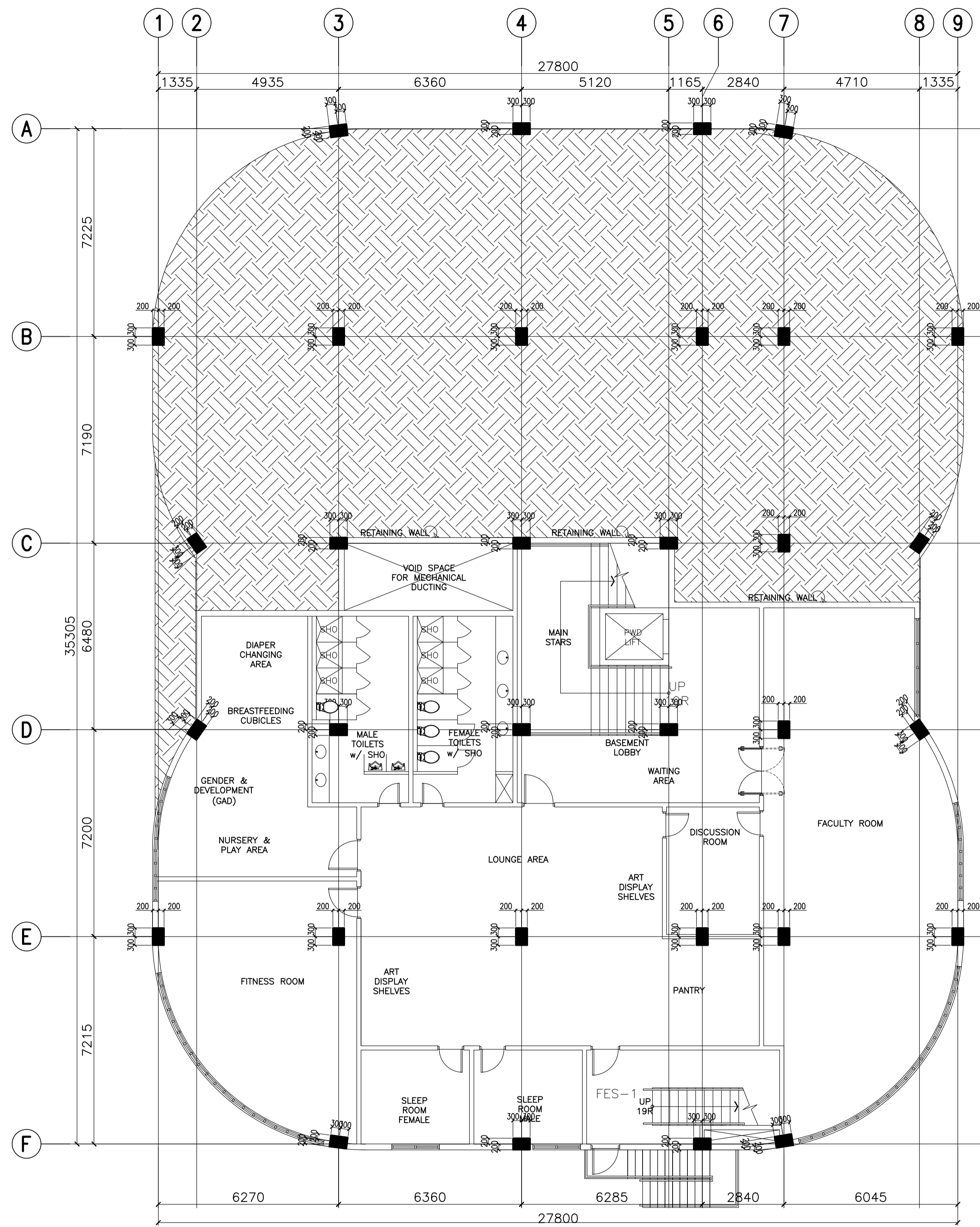
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

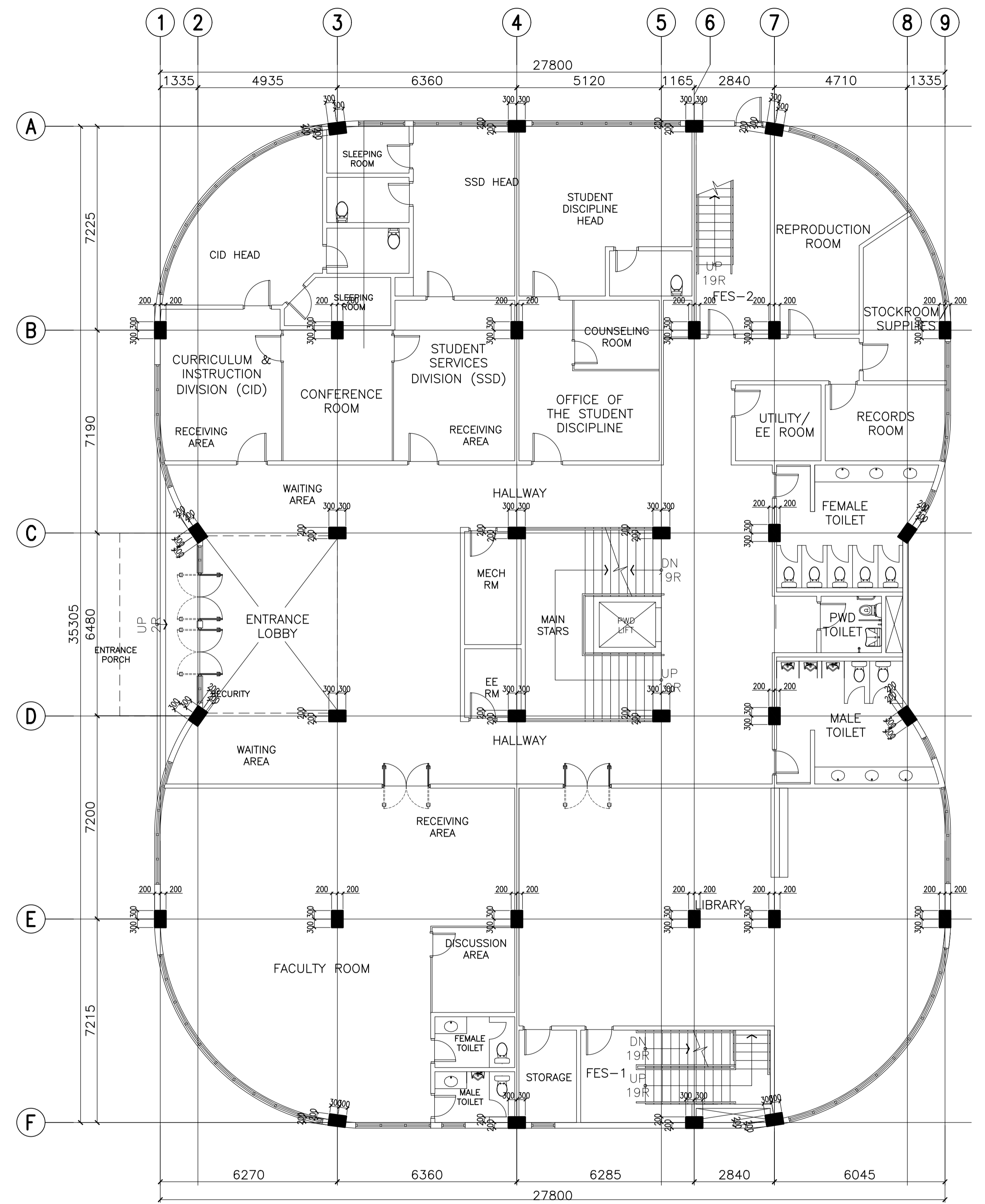
SHEET CONTENTS:  
SCHEDULE OF DOORS AND WINDOWS

SHEET NO:  
**A**  
12 37





**A** ACADEMIC BUILDING II  
**BASEMENT FLOOR COLUMN SETTING OUT PLAN**  
 A-13 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**GROUND FLOOR COLUMN SETTING OUT PLAN**  
 A-13 SCALE: 1:100m

**ENRIQUE O. OLANON & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLANON & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE. LOROVILLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7000;  
 426 3000-04  
 FAX NOS: 927 0608;  
 426 7214

ARCHITECT:  
**HENRY STEVE R. OLANON**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

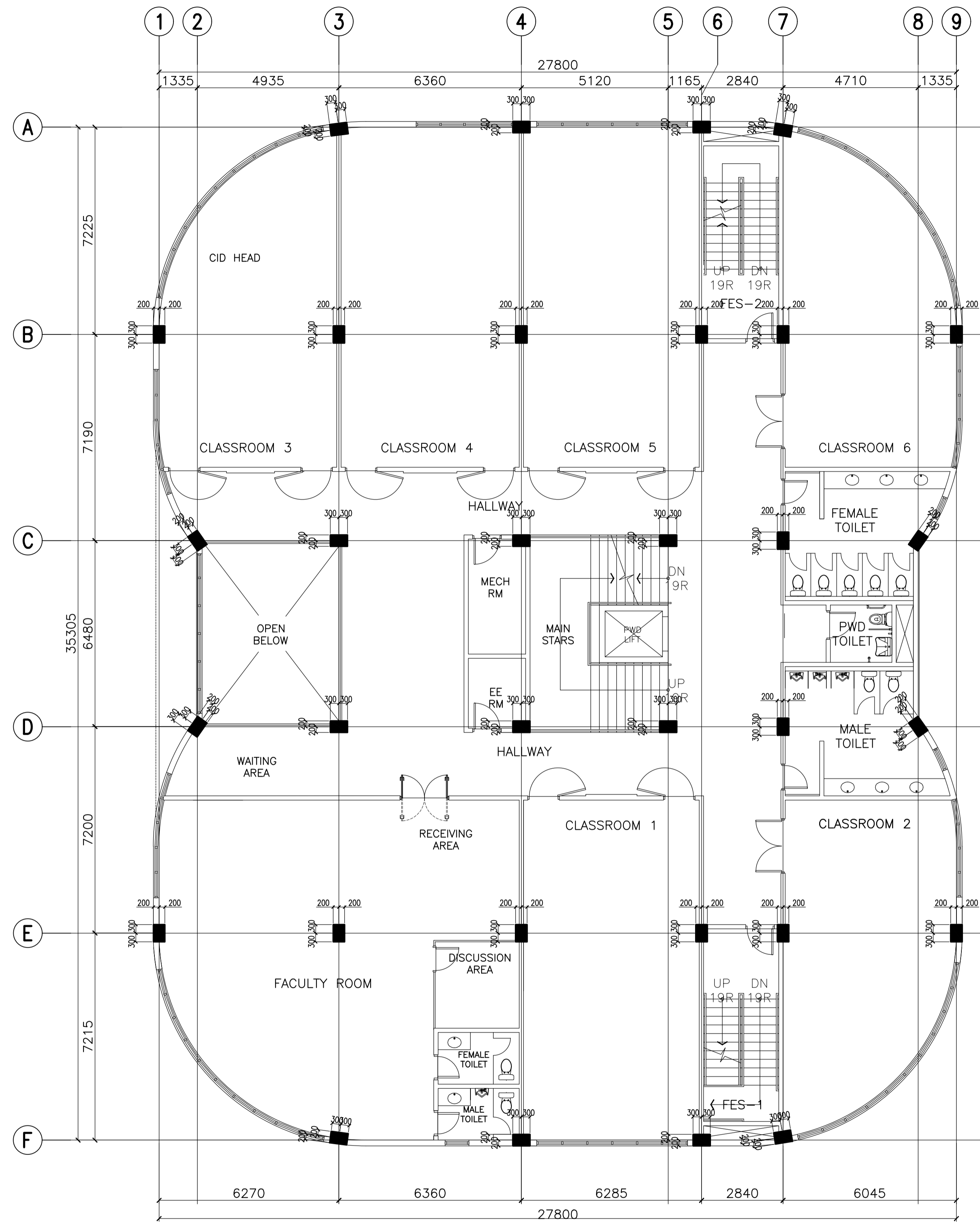
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

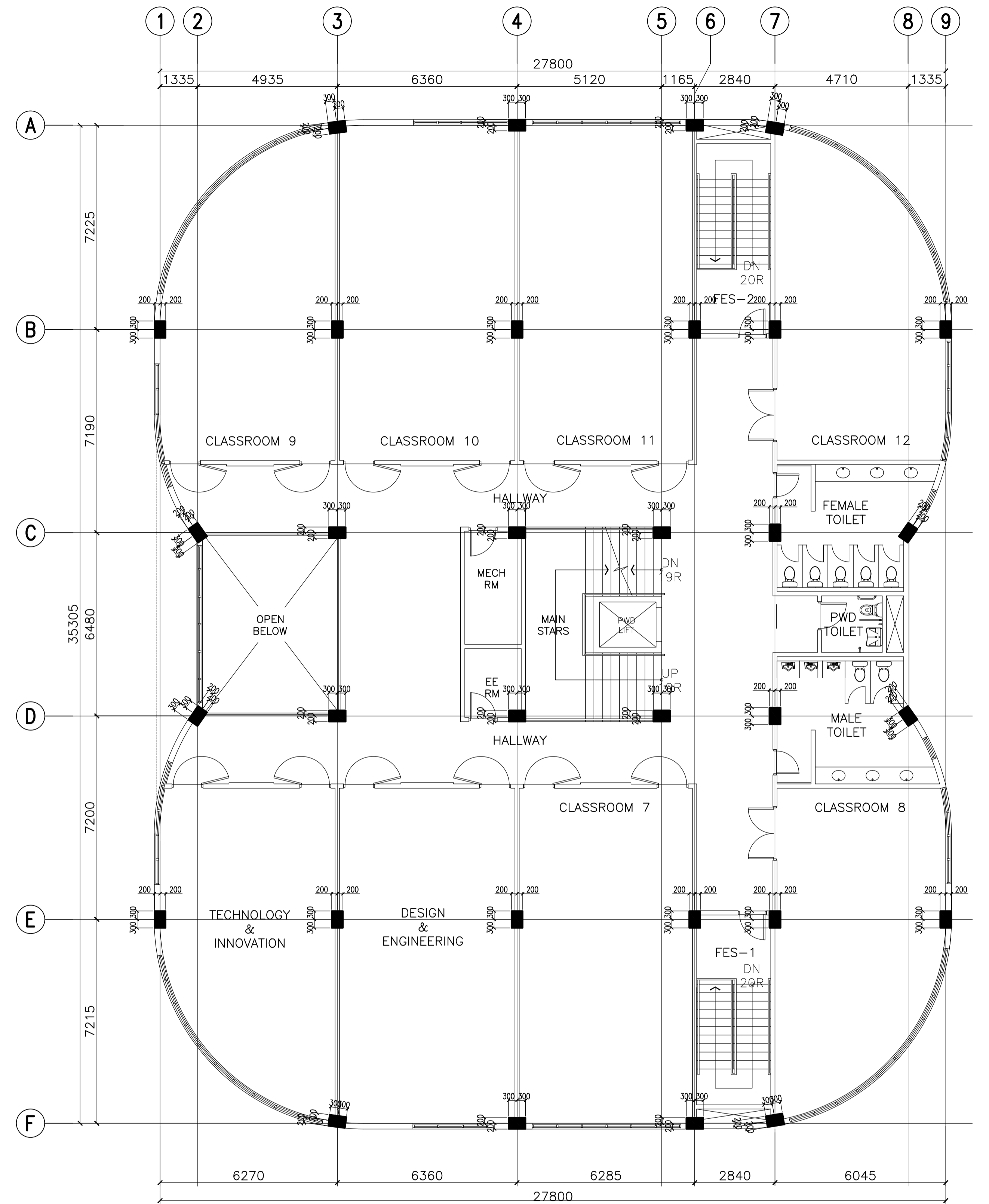
SHEET CONTENTS:  
 BASEMENT FLOOR COLUMN SETTING OUT PLAN  
 GROUND FLOOR COLUMN SETTING OUT PLAN

SHEET NO:  
**A**  
 13 37



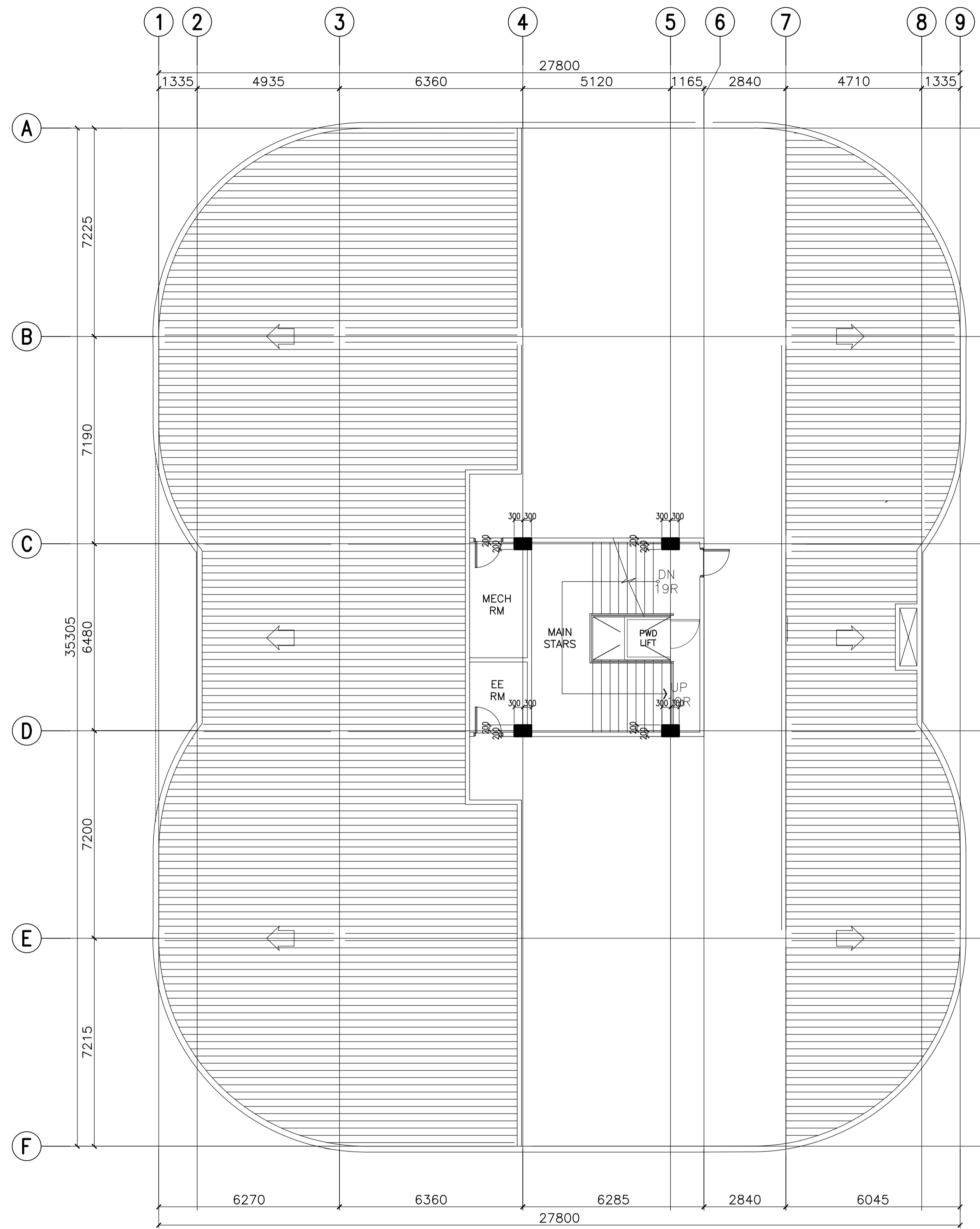


**A** ACADEMIC BUILDING II  
**SECOND FLOOR COLUMN SETTING OUT PLAN**  
 A-14 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**THIRD FLOOR COLUMN SETTING OUT PLAN**  
 A-14 SCALE: 1:100m





**A**  
 A-15 ACADAMIC BUILDING II  
 ROOF DECK COLUMN SETTING OUT PLAN  
 SCALE: 1:100m


**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE. LAYOGA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7000;  
 426 9024  
 FAX NOS: 927 0608;  
 426 7214

ARCHITECT: <b>HENRY STEVE R. OLONAN</b> ARCHITECT	
PRC No. 17726	Validity: 04/27/2024
PTR No. 0732073	Date: 01/11/2021
Place: QUEZON CITY	TIN: 106186110

**REPUBLIC ACT 9266**  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED OR NOT, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

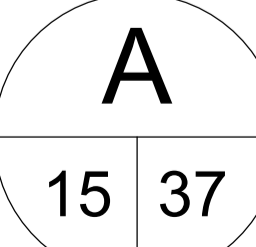
PROJECT: <b>PROPOSED ACADAMIC BUILDING II</b>
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

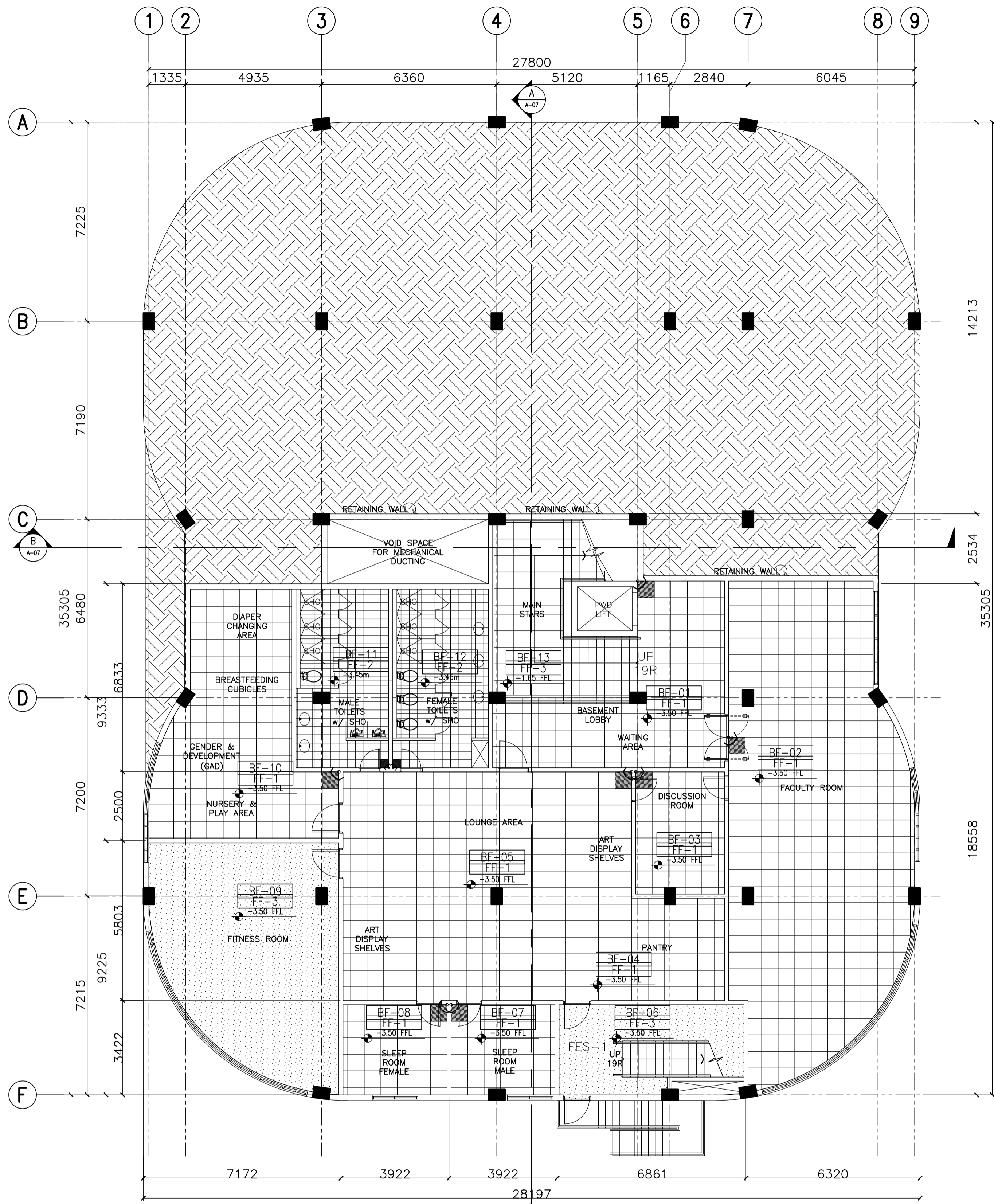
RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF
--

APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR
---

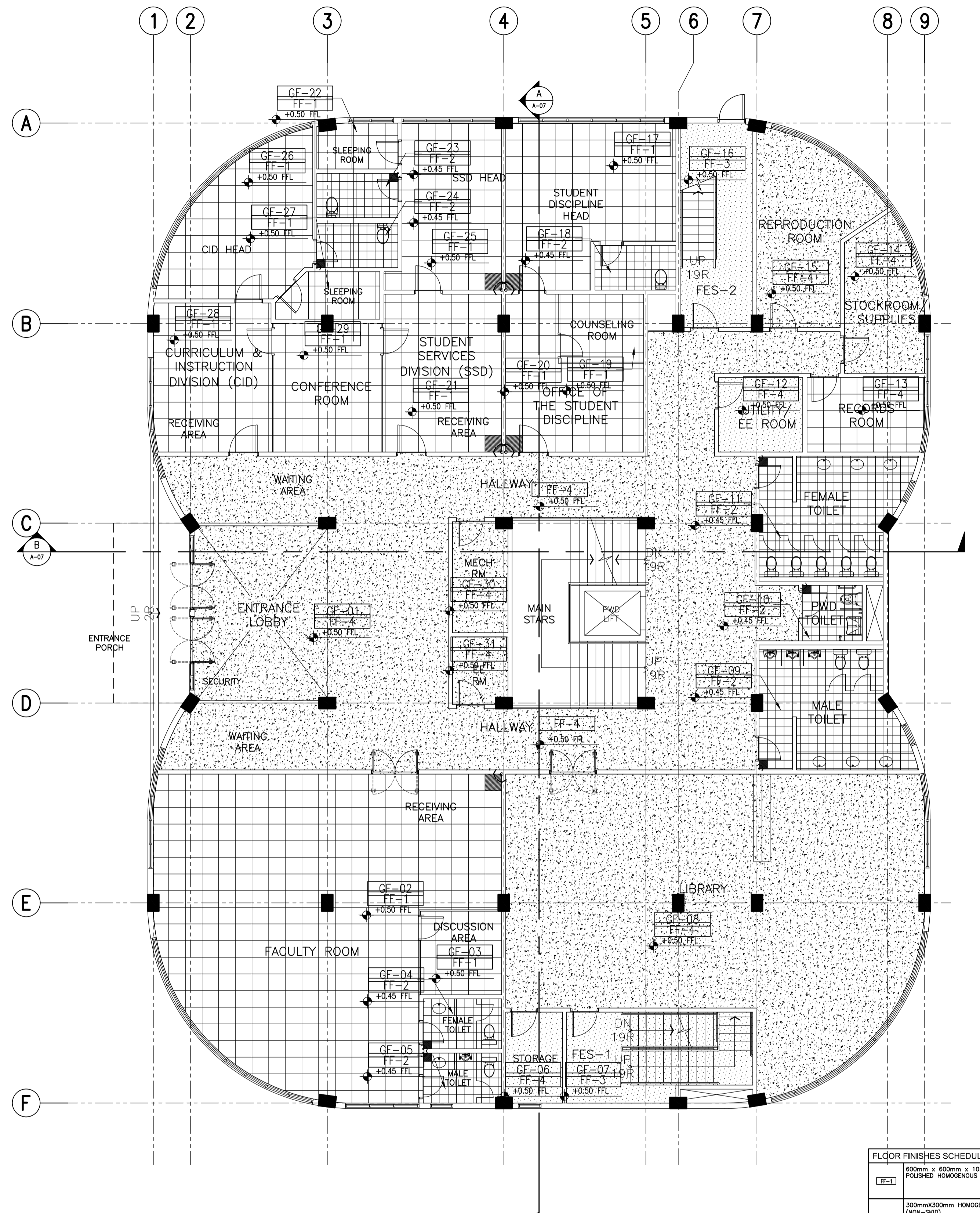
SHEET CONTENTS: ROOF DECK COLUMN SETTING OUT PLAN
--

SHEET NO:  






**A** ACADEMIC BUILDING II - BASEMENT FLOOR  
**FLOOR PATTERN LAYOUT**  
 A-16 SCALE: 1:100m



**B** ACADEMIC BUILDING II - GROUND FLOOR  
**FLOOR PATTERN LAYOUT**  
 A-16 SCALE: 1:100m

FLOOR FINISHES SCHEDULE	
FF-1	600mm x 600mm x 10mm THK POLISHED HOMOGENEOUS TILES
FF-2	300mmx300mm HOMOGENEOUS TILES (NON-SLIP)
FF-3	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH
FF-4	50mm THK SMOOTH FINISH CONCRETE TOPPING

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LAYUNGA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS.: 426 7009;  
 426 9024  
 FAX NOS.: 927 0608;  
 426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

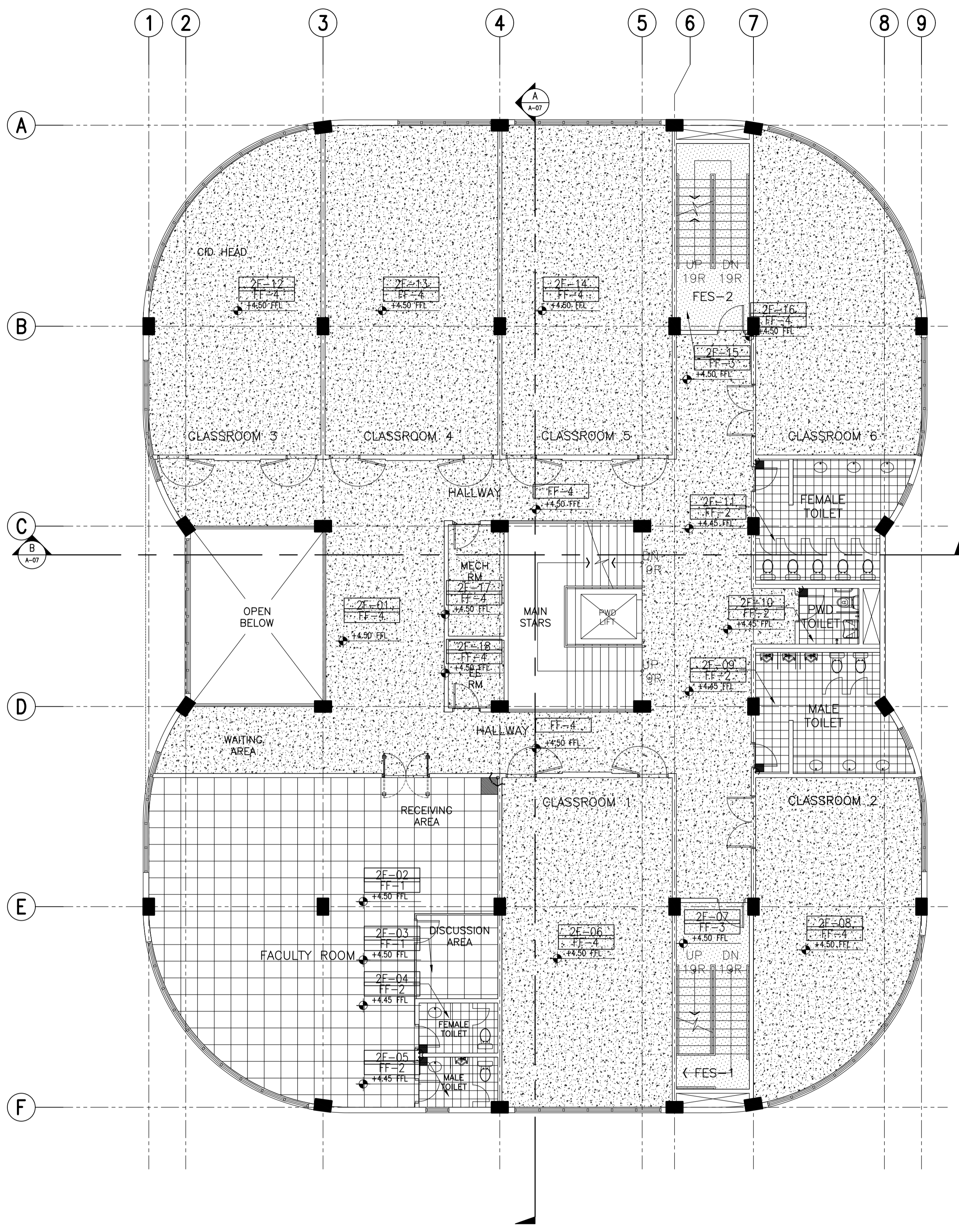
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

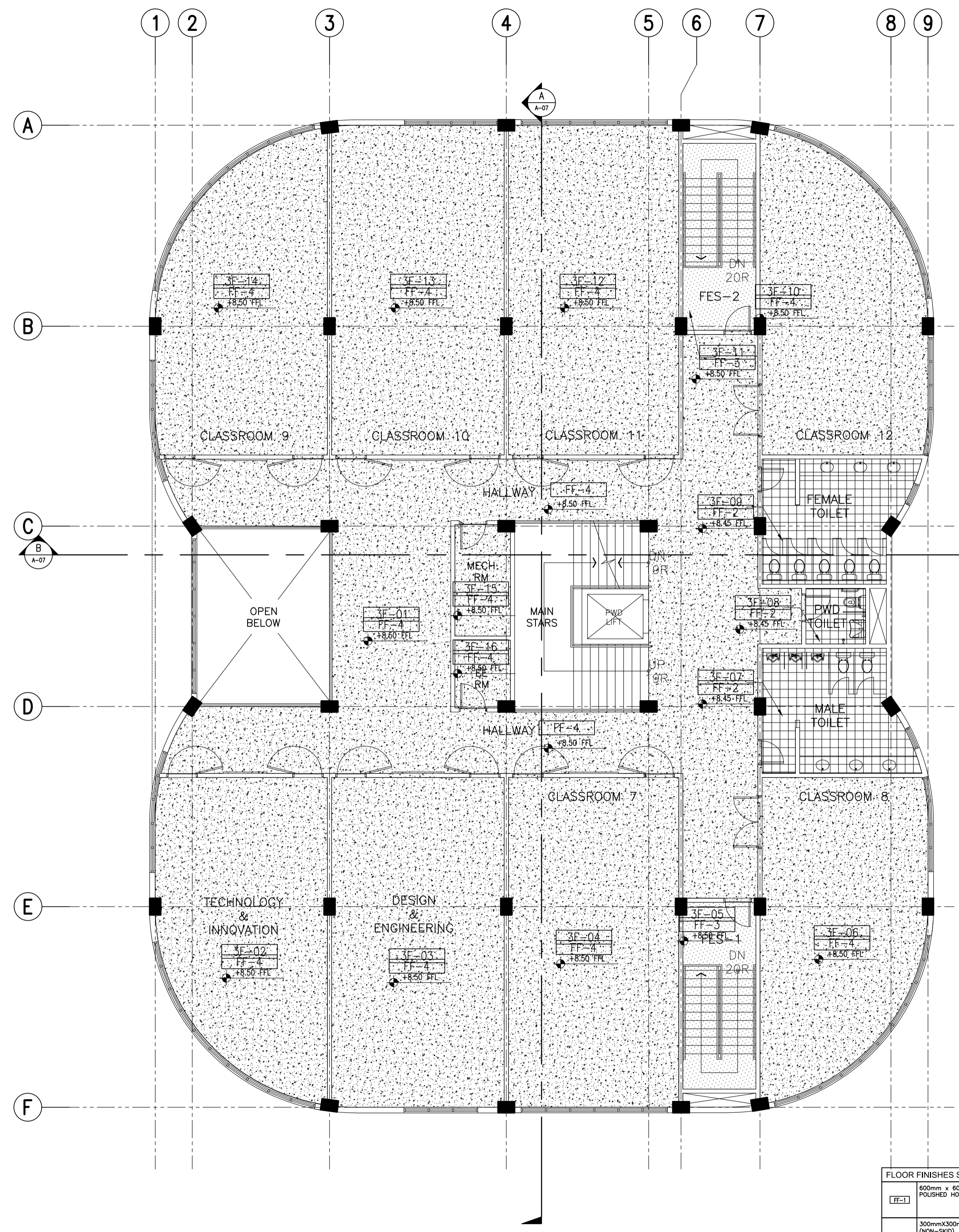
SHEET CONTENTS:  
 BASEMENT AND GROUND FLOOR  
 FLOOR PATTERN LAYOUT

SHEET NO:  
**A**  
 16 37





**A** ACADEMIC BUILDING II - SECOND FLOOR  
**FLOOR PATTERN LAYOUT**  
 A-17 SCALE: 1:100m



**B** ACADEMIC BUILDING II - THIRD FLOOR  
**FLOOR PATTERN LAYOUT**  
 A-17 SCALE: 1:100m

FLOOR FINISHES SCHEDULE	
FF-1	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES
FF-2	300mmx300mm HOMOGENOUS TILES (NON-SKID)
FF-3	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH
FF-4	50mm THK SMOOTH FINISH CONCRETE TOPPING

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LONVOILA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 9004  
 FAX NOS: 927 0608;  
 426 7214


ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

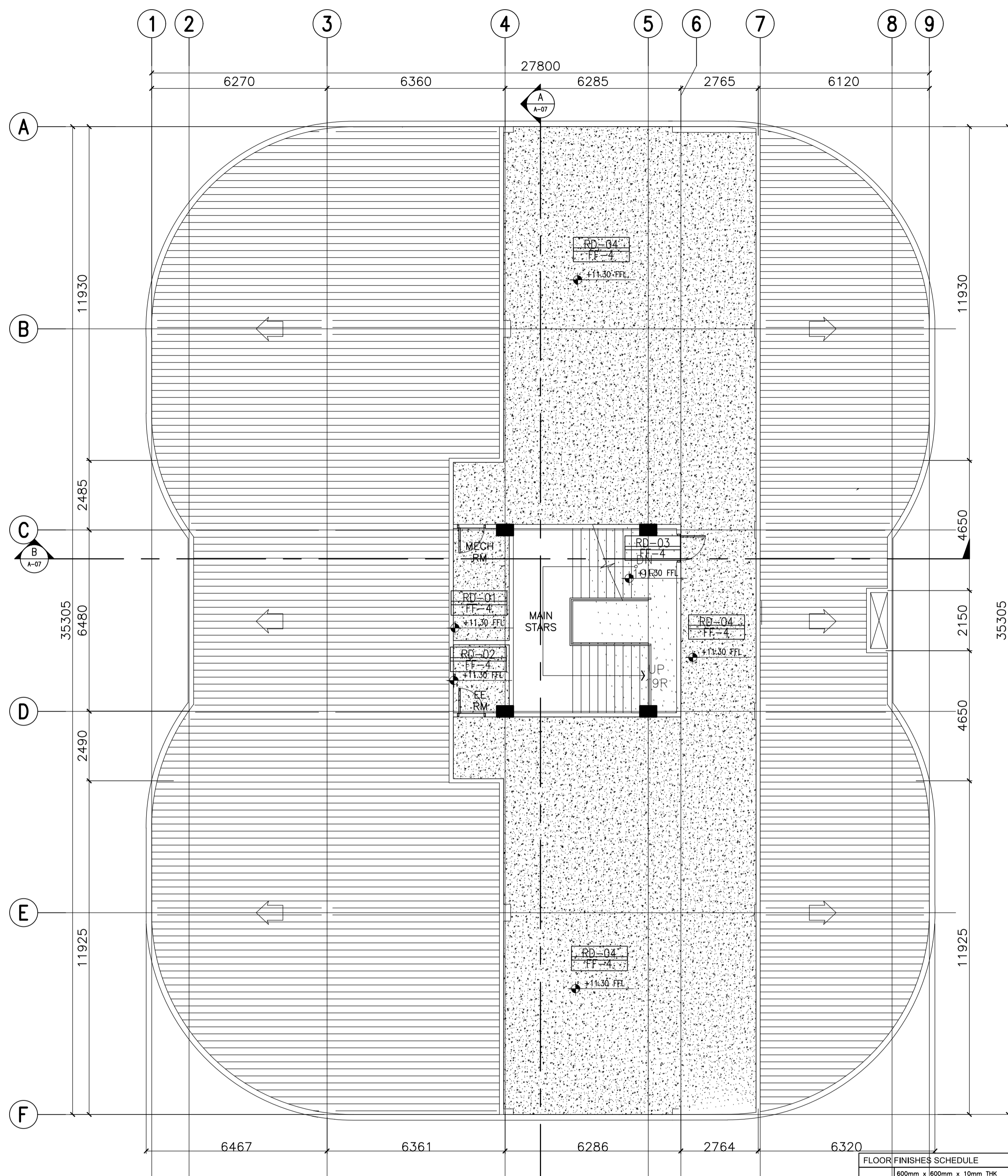
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 SECOND AND THIRD FLOOR  
 FLOOR PATTERN LAYOUT

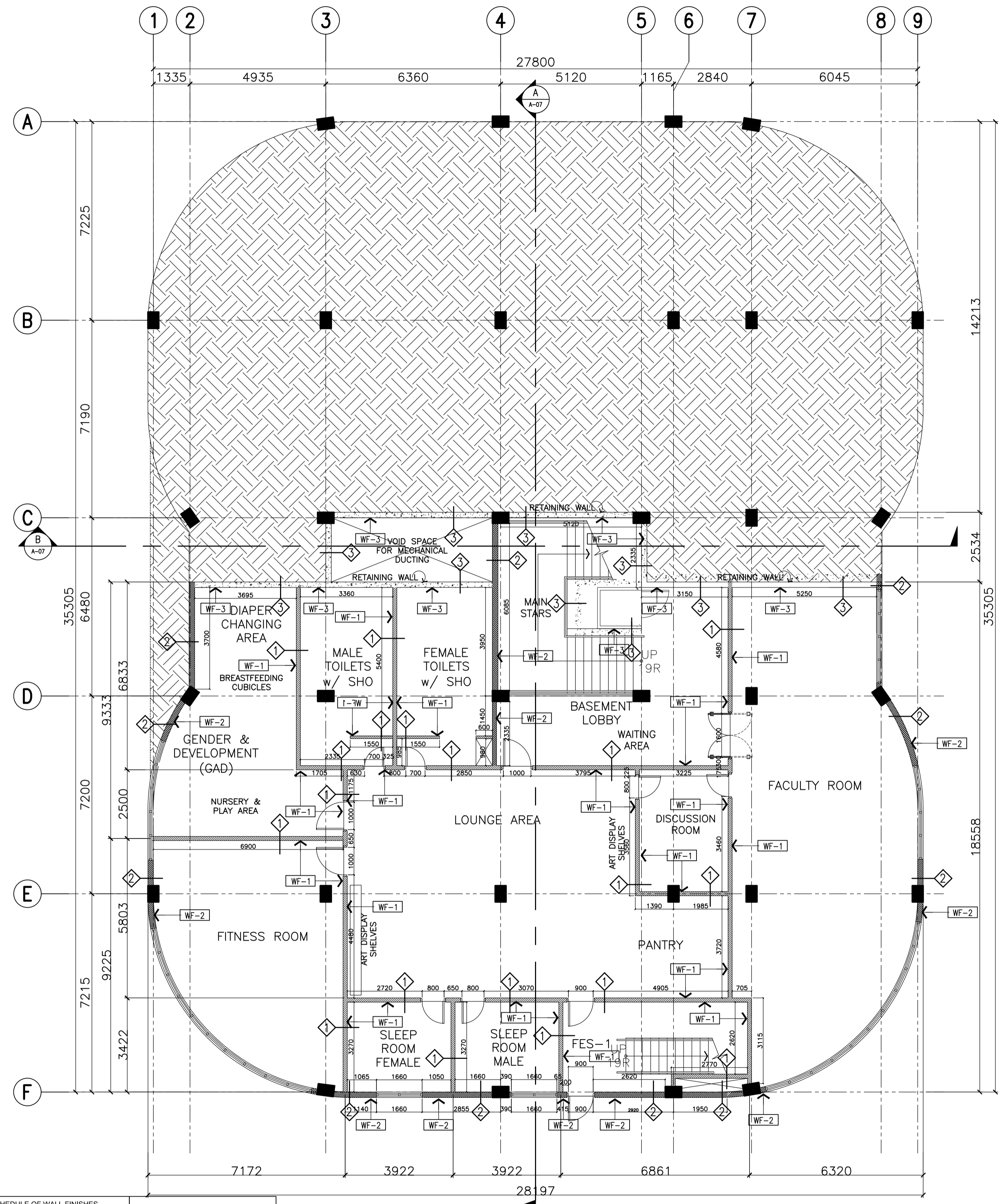
SHEET NO:  
**A**  
 17 37





**A** ACADEMIC BUILDING II - ROOF DECK FLOOR PATTERN LAYOUT  
A-18 SCALE: 1:100m

FLOOR FINISHES SCHEDULE	
FF-1	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES
FF-2	300mmx300mm HOMOGENOUS TILES (NON-SKID)
FF-3	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH
FF-4	50mm THK SMOOTH FINISH CONCRETE TOPPING



**B** ACADEMIC BUILDING II - BASEMENT WALL SETTING AND FINISHES PLAN  
A-18 SCALE: 1:100m

SCHEDULE OF WALL FINISHES (COLOR TO BE DETERMINED BY ARCHITECT)		SCHEDULE OF PARTITION TYPES	
WF-1	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	1	100mm THK. CHB WALL
WF-2	PLAIN CEMENT PLASTER IN ELASTOMERIC PAINT EXTERIOR FINISH	2	150mm THK. CHB WALL
WF-3	300mmx300mm HOMOGENOUS TILES (NON-SKID)	3	RETAINING WALL OR PWD LIFT-SHFT (VERY STRUCTURAL)
	SEMI-GLOSS LATEX PAINT FINISH ON GYPSUM BOARD DRYWALL	4	100mm GYPSUM DRYWALL ON LGS FRAMES

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LOROVILLA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 3002/04  
FAX NOS: 927 0608;  
426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
ARCHITECT  
PRC No. 17726 Validity: 04/27/2024  
PTR No. 0732073 Date: 01/11/2021  
Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

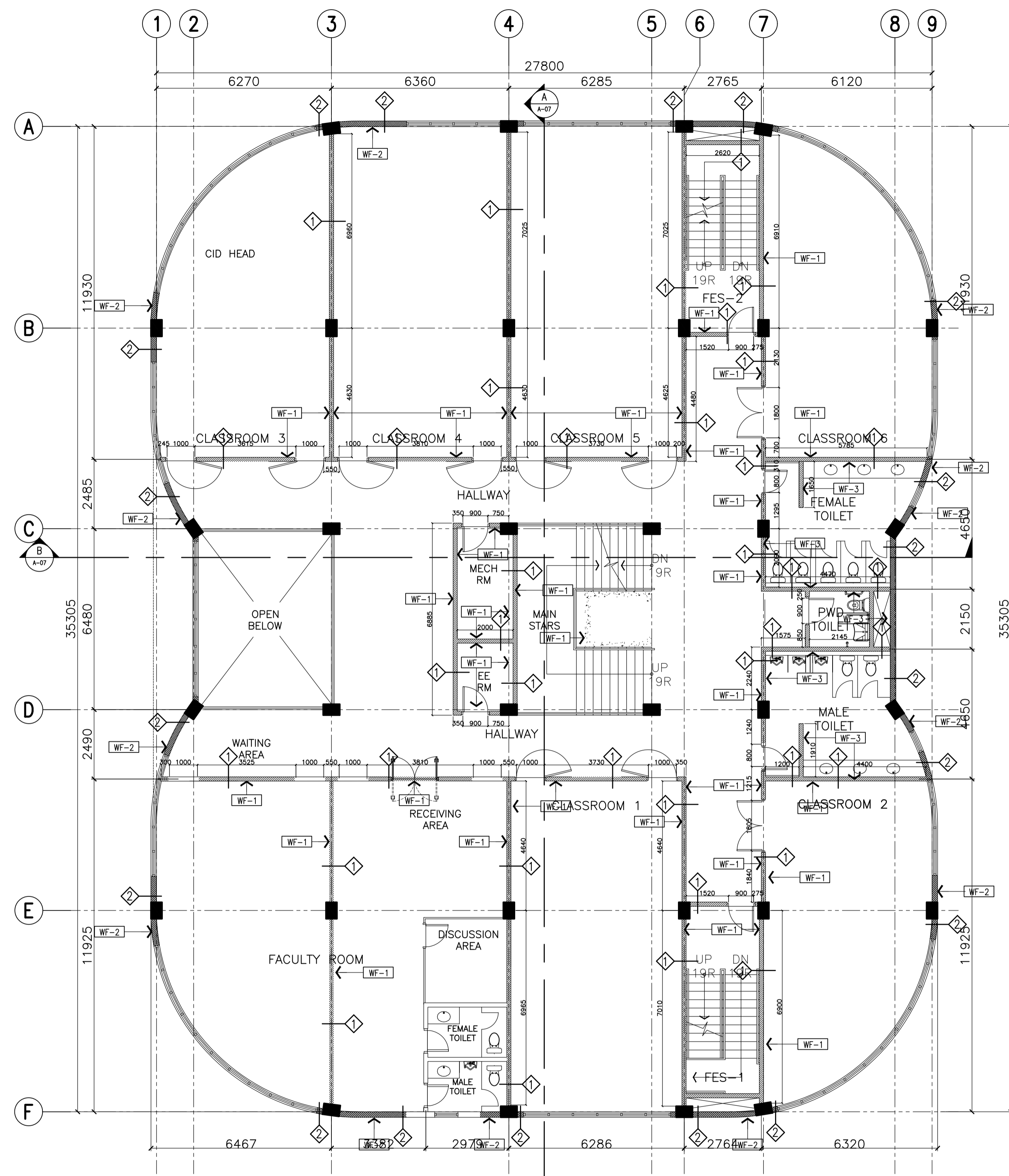
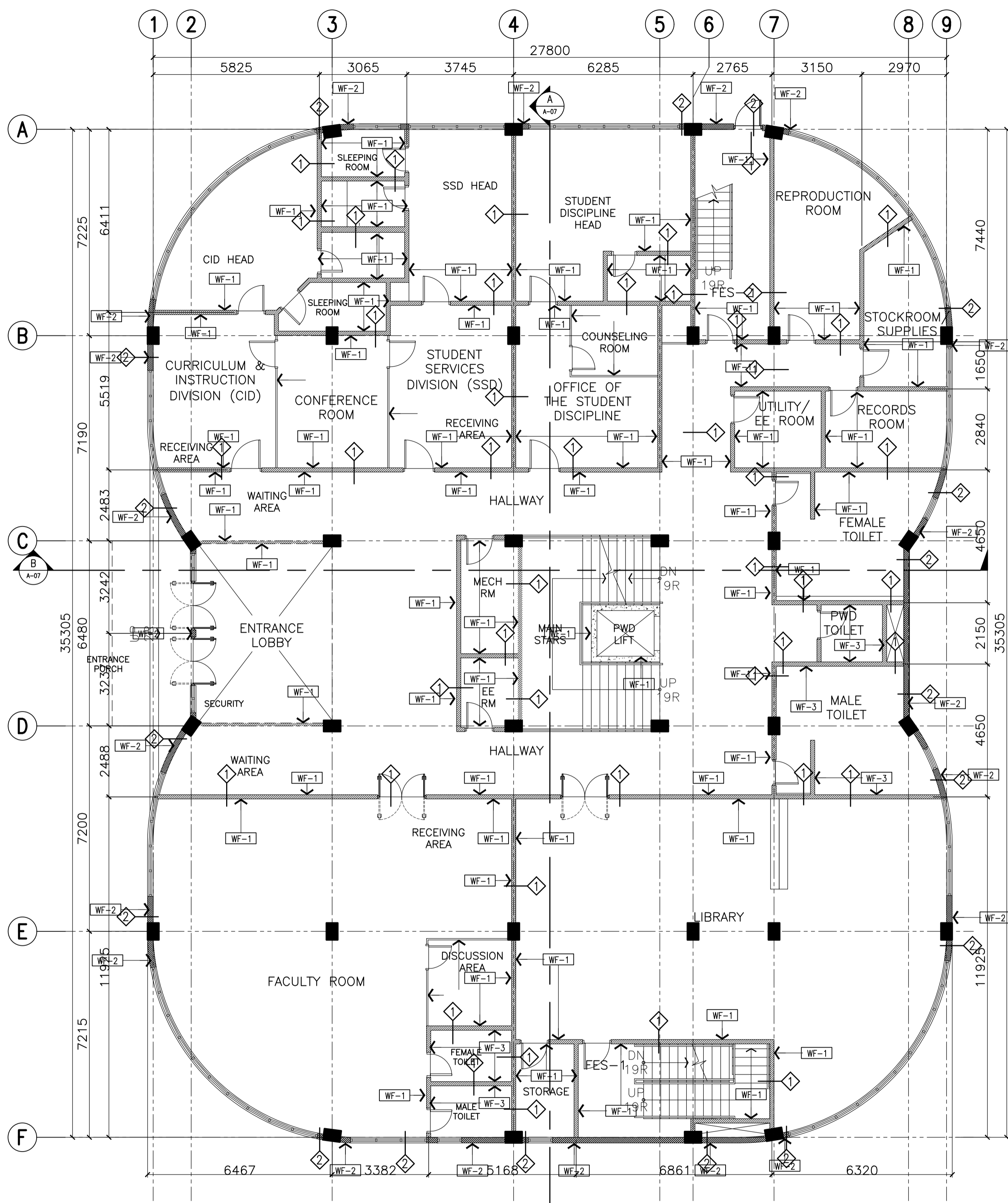
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
ROOF DECK FLOOR PATTERN LAYOUT  
BASEMENT WALL SETTING AND FINISHES PLAN

SHEET NO:  
**A**  
18 37





SCHEDULE OF WALL FINISHES (COLOR TO BE DETERMINED BY ARCHITECT)		SCHEDULE OF PARTITION TYPES	
WF-1	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	◆	100mm THK. CHB WALL
WF-2	PLAIN CEMENT PLASTER IN ELASTOMERIC PAINT EXTERIOR FINISH	◇	150mm THK. CHB WALL
WF-3	300mmx300mm HOMOGENEOUS TILES (NON-SKID)	◇	RETAINING WALL OR PWD LIFT SHAFT (VERY STRUCTURAL)
	SEM-GLOSS LATEX PAINT FINISH ON GYPSUM BOARD DRYWALLS	◇	100mm GYPSUM DRYWALL ON LGS FRAMES

**A** ACADEMIC BUILDING II - GROUND FLOOR  
**WALL SETTING AND FINISHES PLAN**  
 SCALE: 1:100m

**B** ACADEMIC BUILDING II - SECOND FLOOR  
**WALL SETTING AND FINISHES PLAN**  
 SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVENUE, LOYOLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 3000/04  
 FAX NOS: 427 0608;  
 426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT  
 PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

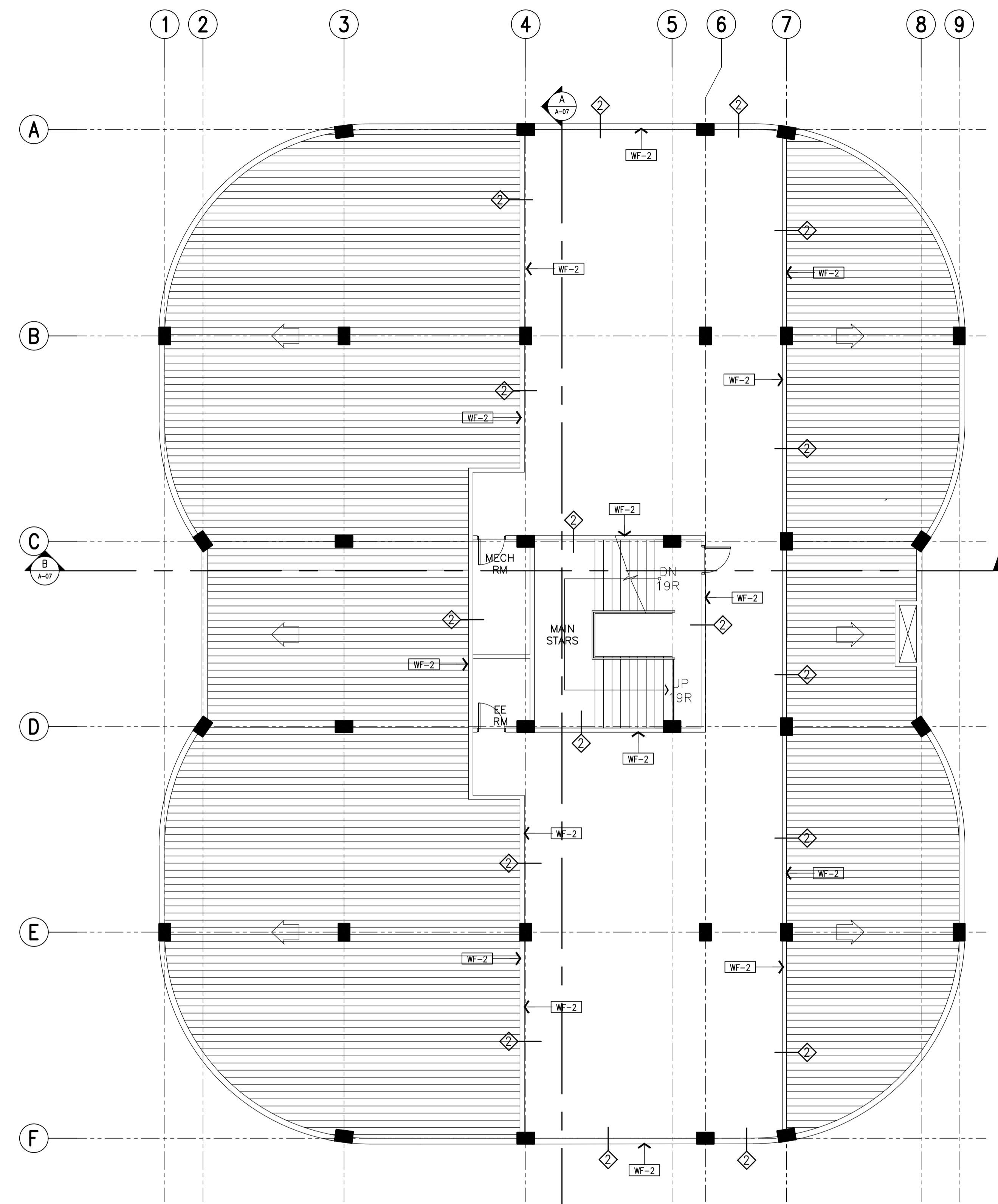
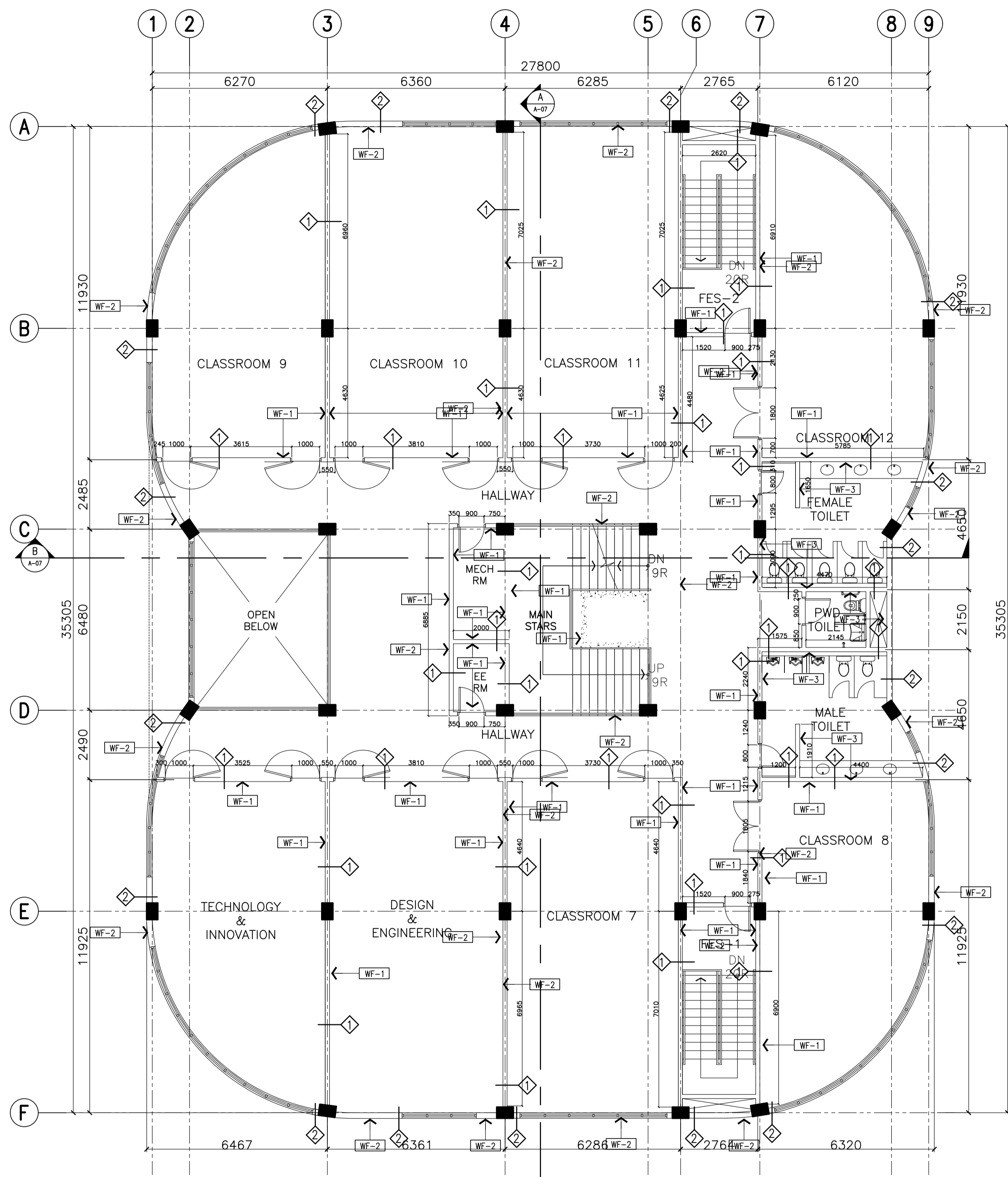
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 GROUND AND SECOND FLOOR  
 WALL SETTING AND FINISHES PLAN

SHEET NO:  
**A**  
 19 37





SCHEDULE OF WALL FINISHES (COLOR TO BE DETERMINED BY ARCHITECT)		SCHEDULE OF PARTITION TYPES	
WF-1	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	1	100mm THK. CHB WALL
WF-2	PLAIN CEMENT PLASTER IN ELASTOMERIC PAINT EXTERIOR FINISH	2	150mm THK. CHB WALL
WF-3	300mmx300mm HOMOGENOUS TILES (NON-SKID)	3	RETAINING WALL OR PWD LIFT SHAFT (VERIFY STRUCTURAL)
	SEM-GLOSS LATEX PAINT FINISH ON GYPSUM BOARD DRYWALLS	4	100mm GYPSUM DRYWALL ON LGS FRAMES

**A** ACADEMIC BUILDING II - THIRD FLOOR  
**WALL SETTING AND FINISHES PLAN**  
 A-20 SCALE: 1:100m

**B** ACADEMIC BUILDING II - ROOF DECK  
**WALL SETTING AND FINISHES PLAN**  
 A-20 SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT  
 PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

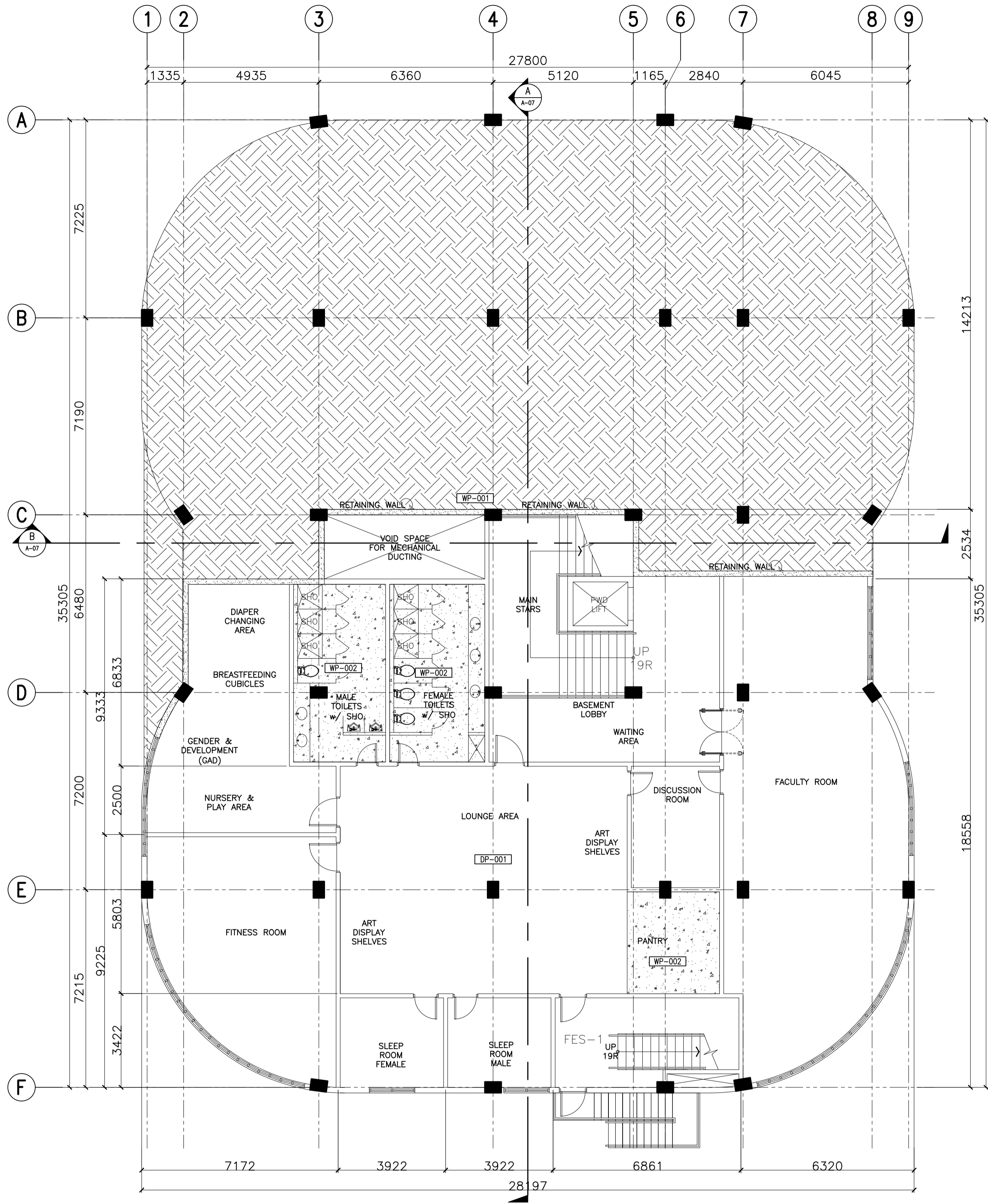
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

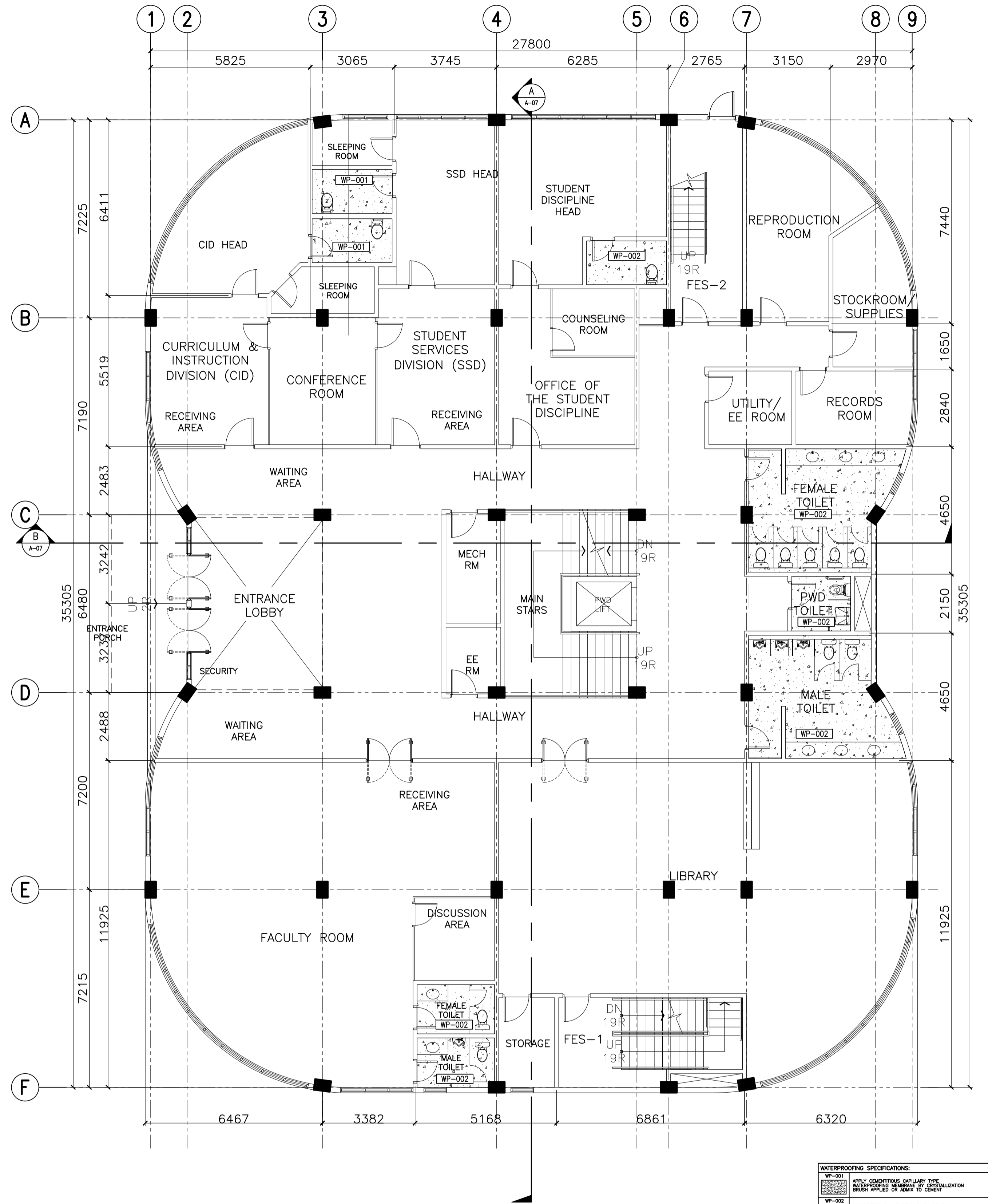
SHEET CONTENTS:  
 THIRD FLOOR AND ROOF DECK  
 WALL SETTING AND FINISHES PLAN

SHEET NO:  
**A**  
 20 37





ACADEMIC BUILDING II - BASEMENT  
**A** WATERPROOFING PLAN  
 A-21 SCALE: 1:100m



ACADEMIC BUILDING II - GROUND FLOOR  
**A** WATERPROOFING PLAN  
 A-21 SCALE: 1:100m

**WATERPROOFING SPECIFICATIONS:**

WP-001	APPLY CEMENTITIOUS CAPILLARY TIE MEMBRANE TO ALL WALLS AND CEILING. BRUSH APPLIED OR TROWEL TO COMB.
WP-002	POLYURETHANE - BASED LIQUID APPLIED WATERPROOF MEMBRANE
WP-003	4-MILS POLYETHYLENE PLASTIC VAPOR BARRIER (BEFORE POURING CONCRETE SLAB)

N.B. 1. SURFACE COVERS AS PER SLAB  
 2. NUMBER OF COATS AND NUMBER OF APPLICATION AS PER PRODUCT SPECIFICATIONS & WARRANTY BY SUPPLIER AND CONTRACTOR  
 \*PROVIDE 300MM STANDARD FLASHING UNLESS OTHERWISE NOTED  
 \*FOR ROOF DECKS OR ALL LEAKS AFTER WATERPROOFING SHOULD HAVE SOME CONCRETE TROWEL  
 \*FINAL METHODOLOGY FOR WATERPROOFING AND CONCRETE TROWEL TO BE DEVELOPED WITH THE ARCHITECT  
 \*THIS IS IN CONSIDERATION OF THE VARIOUS REQUIREMENTS OF THE DIFFERENT WATERPROOFING CONTRACTORS FOR THEIR RESPECTIVE MATERIALS.

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE. LONVOLE HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 9024  
 FAX NOS: 927 0608;  
 426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

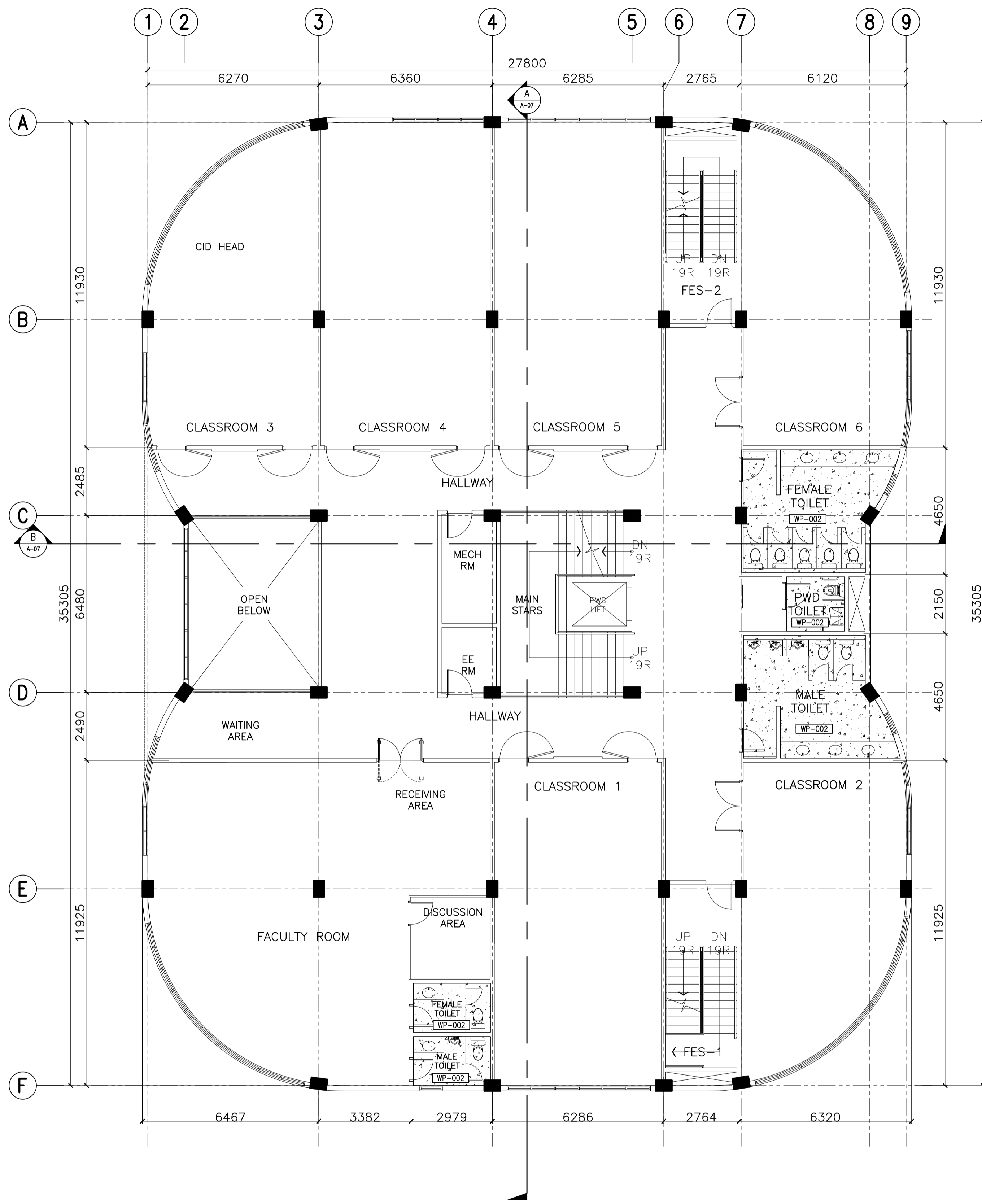
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

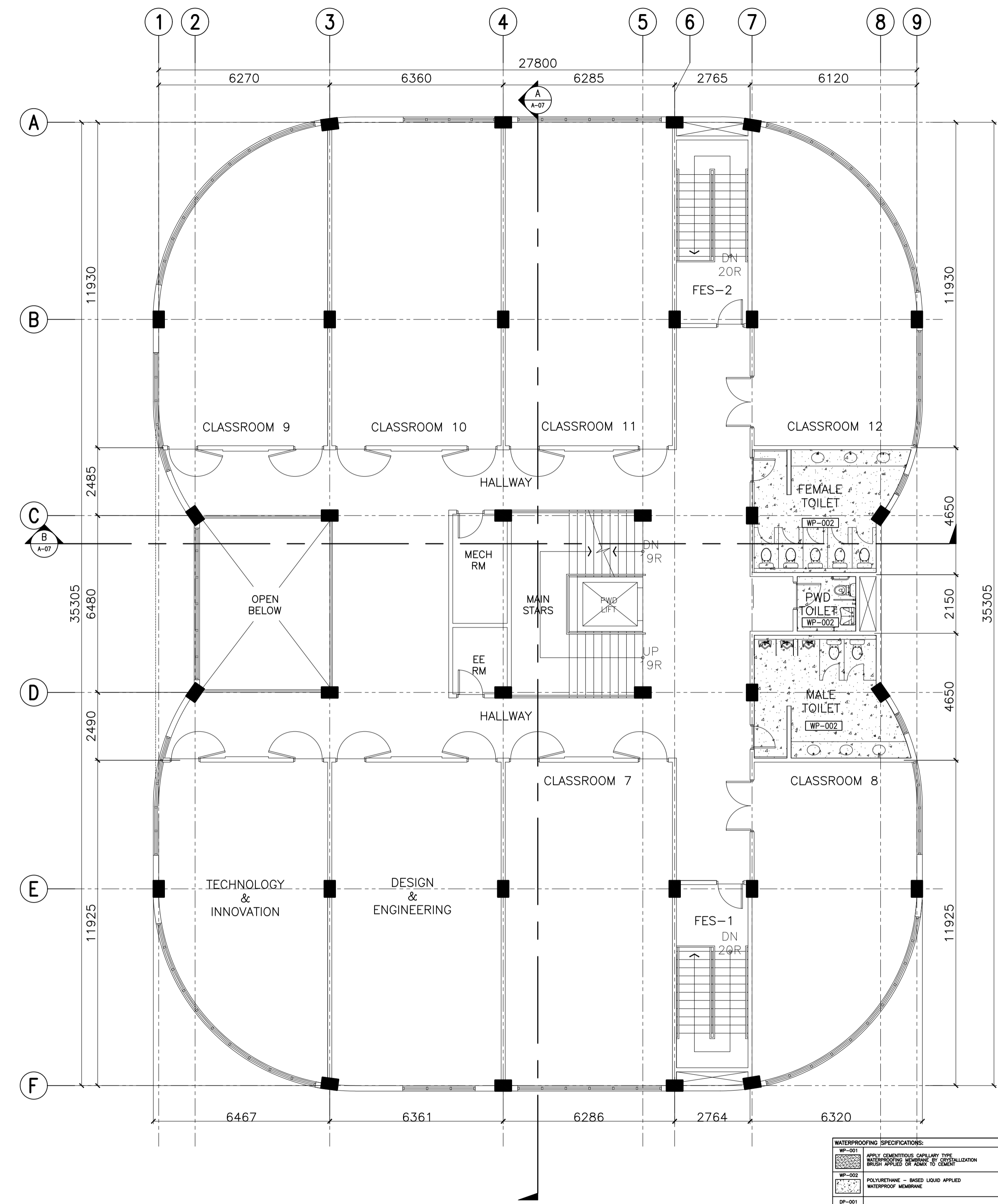
SHEET CONTENTS:  
 BASEMENT AND GROUND FLOOR  
 WATERPROOFING PLAN

SHEET NO:  
**A**  
 21 37





ACADEMIC BUILDING II - SECOND FLOOR  
**A** WATERPROOFING PLAN  
 A-22 SCALE: 1:100m



ACADEMIC BUILDING II - THIRD FLOOR  
**A** WATERPROOFING PLAN  
 A-22 SCALE: 1:100m

**WATERPROOFING SPECIFICATIONS:**

WP-01	APPLY CONTINUOUS CASUALTY TYP. WATERPROOFING MEMBRANE BY CONCRETIZATION
WP-02	POLYURETHANE - BASED LIQUID APPLIED WATERPROOF MEMBRANE
DP-01	6-MILS POLYETHYLENE PLASTIC VAPOR DAMP PROOFING (BETWEEN FINISH CONCRETE SLAB)

**N.B. 1. SURFACE COVERINGS AS PER PLANS**  
 2. APPLICATION OF THE PRODUCT SPECIFICATIONS  
 3. WARRANTY BY SUPPLIER AND CONTRACTOR

**\*PROVIDE 300MM STANDARD FLASHING UNLESS OTHERWISE NOTED FOR NEW DEVICES OR SCHEDULE TOBES.**  
**\*FINAL METHODOLOGY FOR WATERPROOFING AND CONCRETE FINISHING TO BE DISCUSSED WITH THE ARCHITECT. WATERPROOFING AND CONCRETE CONTRACTORS TO BE IN CONSULTATION WITH ARCHITECTS FOR THEIR RESPECTIVE MATERIALS.**

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

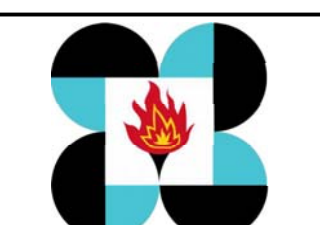
SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM NO. 38 XAVIERVILLE  
 AVE. LLOYOLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726	Validity: 04/27/2024
PTR No. 0732073	Date: 01/11/2021
Place: QUEZON CITY	TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

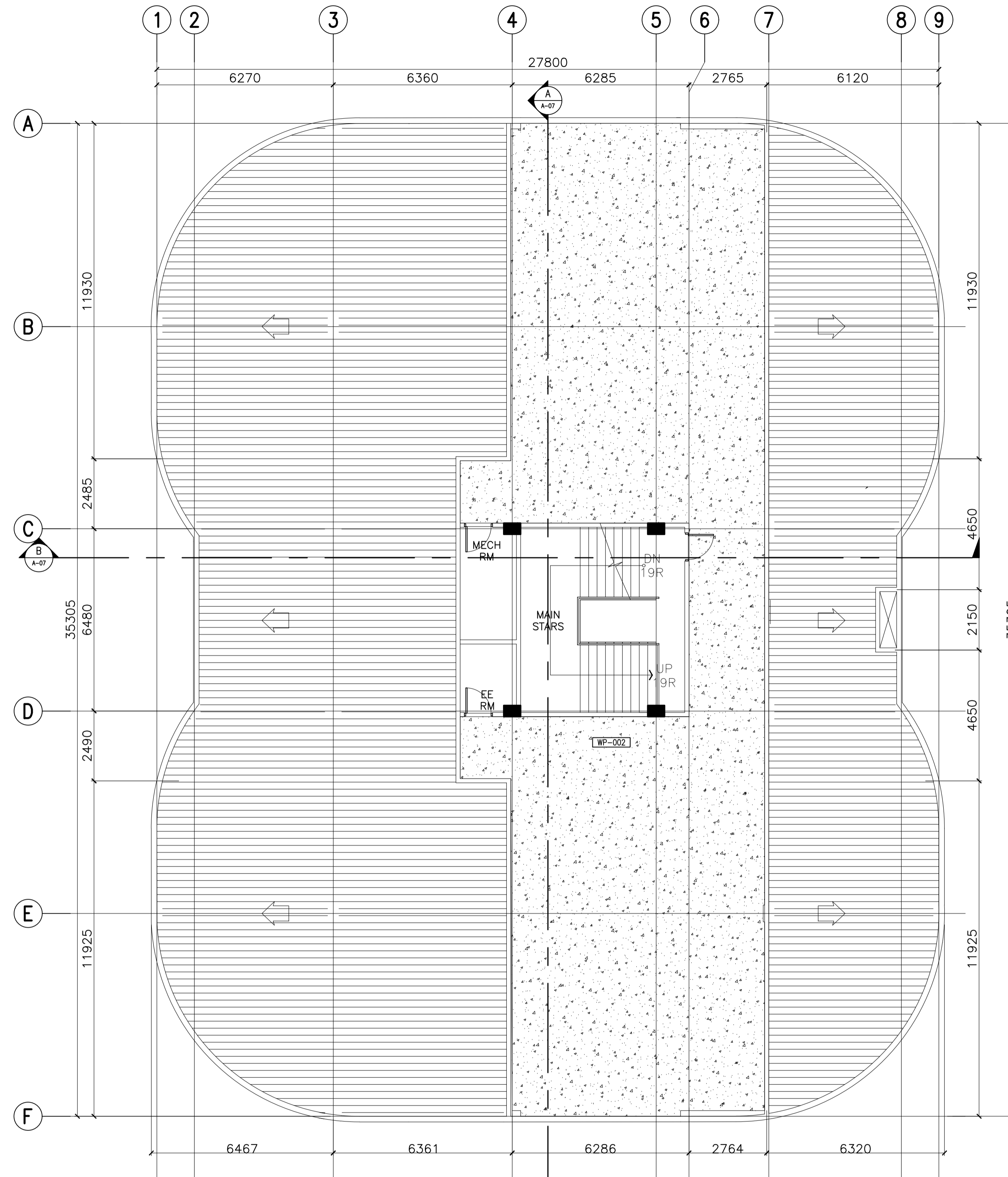
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

LOCATION: Brgy. Rizal, Odiangan, Romblon

SHEET CONTENTS:  
 SECOND AND THIRD FLOOR  
 WATERPROOFING PLAN

SHEET NO:  
**A**  
 22 37





ACADEMIC BUILDING II - ROOF DECK  
**A** WATERPROOFING PLAN  
 A-23 SCALE: 1:100m

WATERPROOFING SPECIFICATIONS:	
WP-01	APPLY CONTINUOUS CASHMARY TYPE WATERPROOF MEMBRANE BY COORDINATION WITH APPLICATOR OF ASME TO CHASE
WP-02	POLYURETHANE - BASED LIQUID APPLIED WATERPROOF MEMBRANE
DP-01	6-MILS POLYETHYLENE PLASTIC VAPOR DAMP PROOFING (BETWEEN FINISH CONCRETE SLAB)

N.B. 1. SURFACE COVERAGES AS PER PLAN  
 2. FINISH OF ROOF DECK SHALL BE IN ACCORDANCE WITH THE PRODUCT SPECIFICATIONS  
 3. WARRANTY BY SUPPLIER AND CONTRACTOR  
 \*PROVIDE 30MM STANDARD FLASHING UNLESS OTHERWISE NOTED FOR ROOF DECKS OR S.C. LEEDGES. AFTER WATERPROOFING SHOULD HAVE SMOOTH CONCRETE TYPING.  
 \*FINAL METHODOLOGY FOR WATERPROOFING AND CONCRETE TYPING TO BE DEVELOPED WITH THE APPLICATOR OF THE PRODUCT SPECIFICATIONS AND THE CONTRACTOR FOR THEIR RESPECTIVE MATERIALS.

**ENRIQUE O. OLANON & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE. LONVOVA HEIGHTS, QUEZON CITY, 1108  
 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214

IN JOINT VENTURE WITH  
**ENRIQUE O. OLANON & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT: <b>HENRY STEVE R. OLANON</b> ARCHITECT	
PRC No. 17726	Validity: 04/27/2024
PTR No. 0732073	Date: 01/11/2021
Place: QUEZON CITY	TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

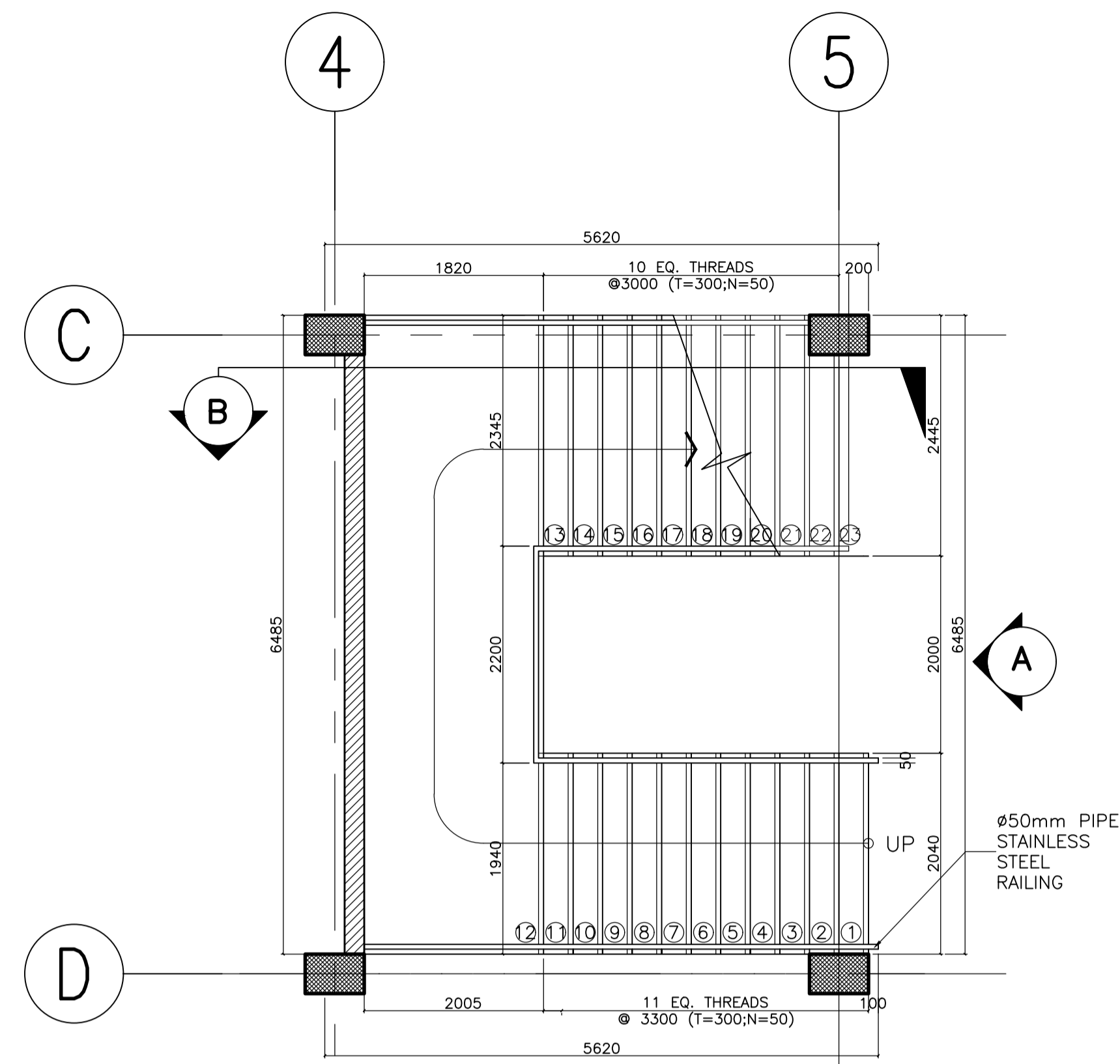
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

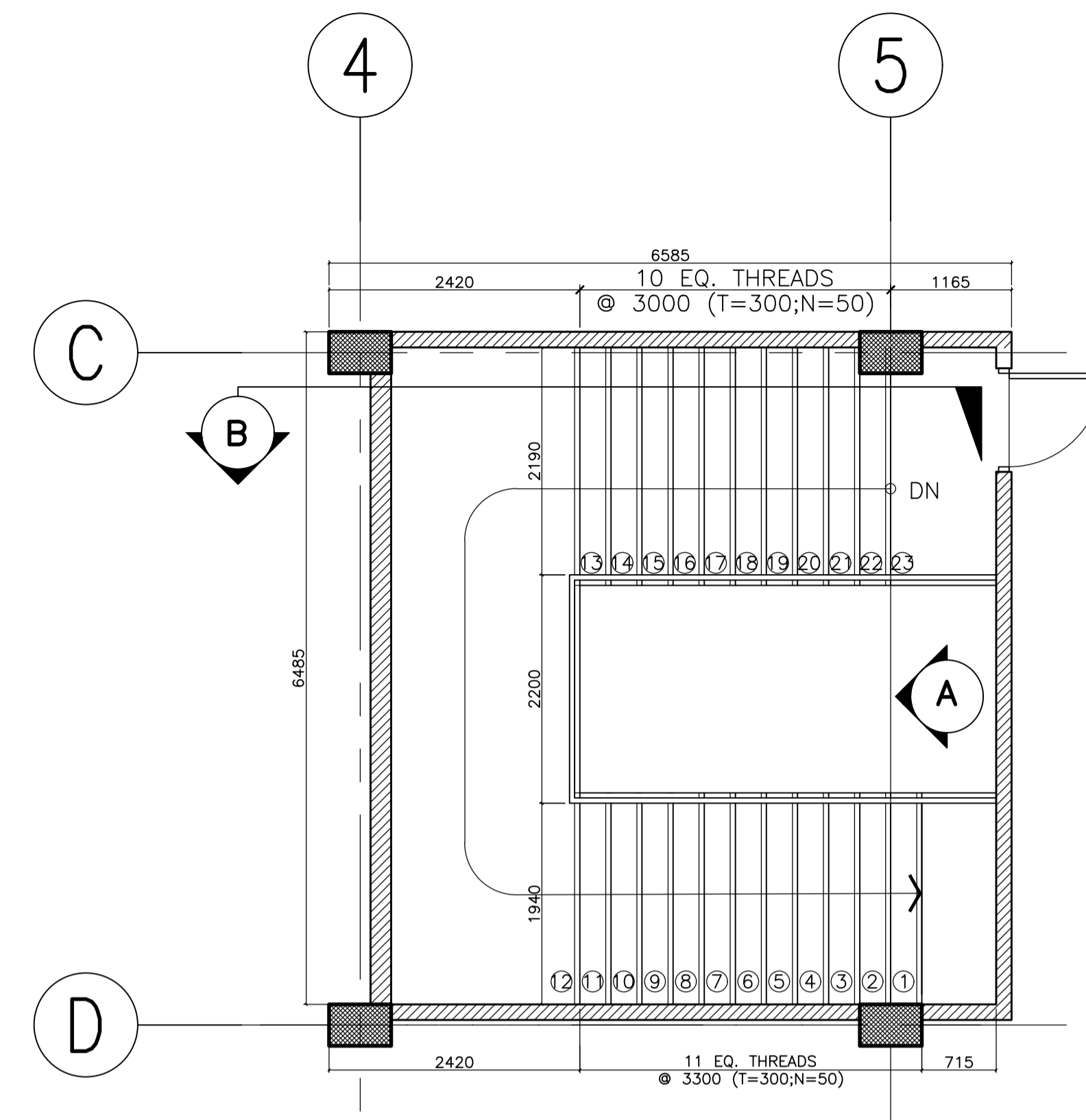
SHEET CONTENTS:  
 ROOF DECK WATERPROOFING PLAN

SHEET NO:  
**A**  
 23 37

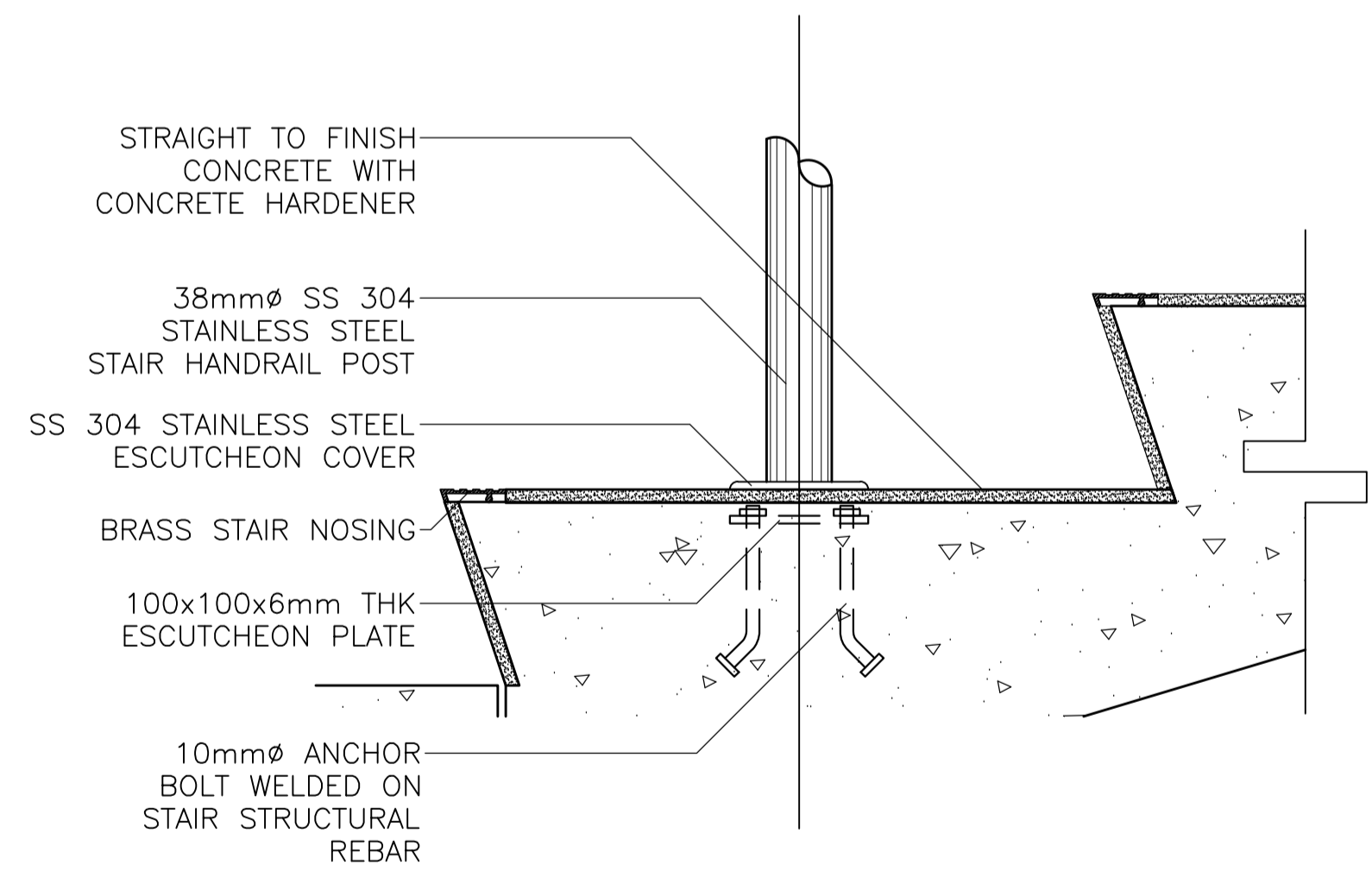




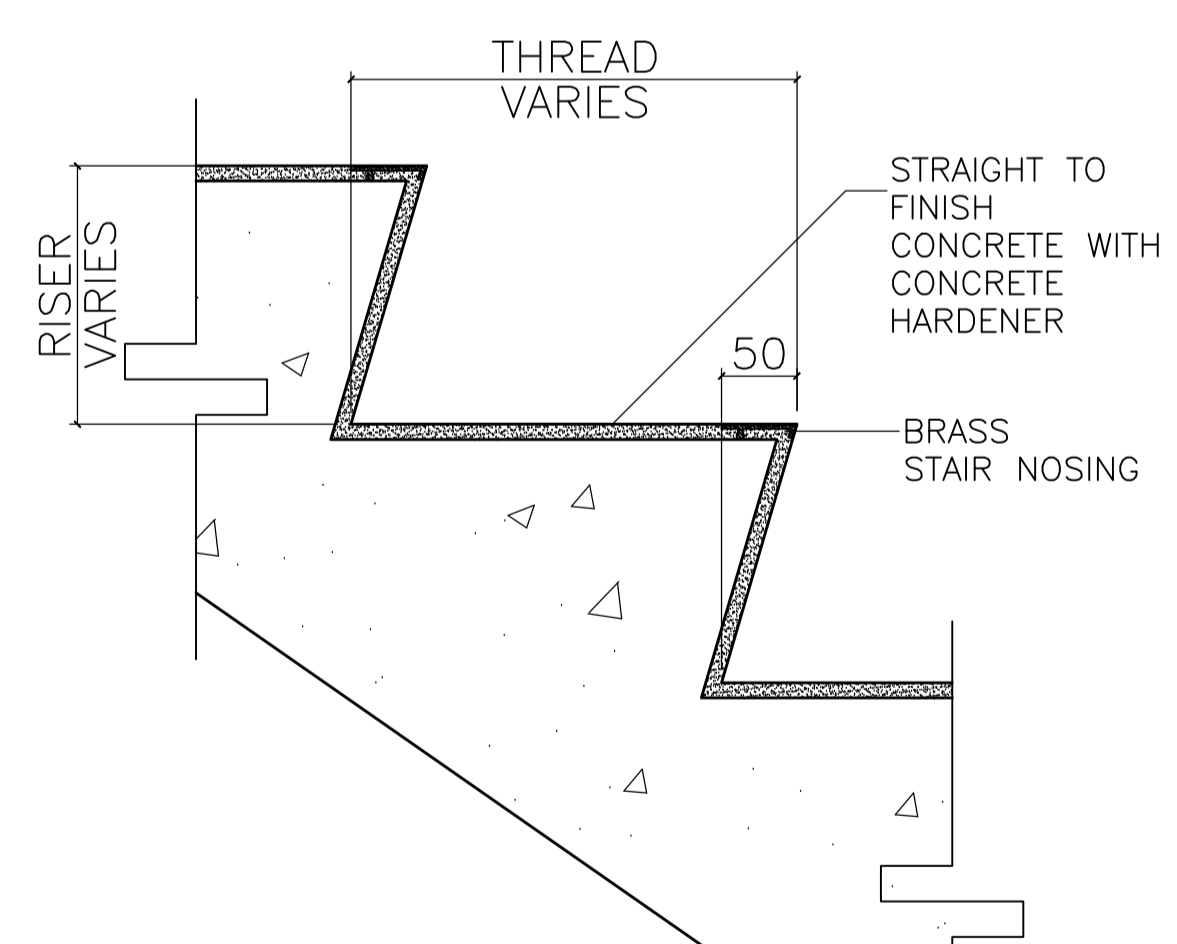
**A** BASEMENT TO THIRD FLOOR  
**MAIN STAIR PLAN**  
 A-24 SCALE: 1:50



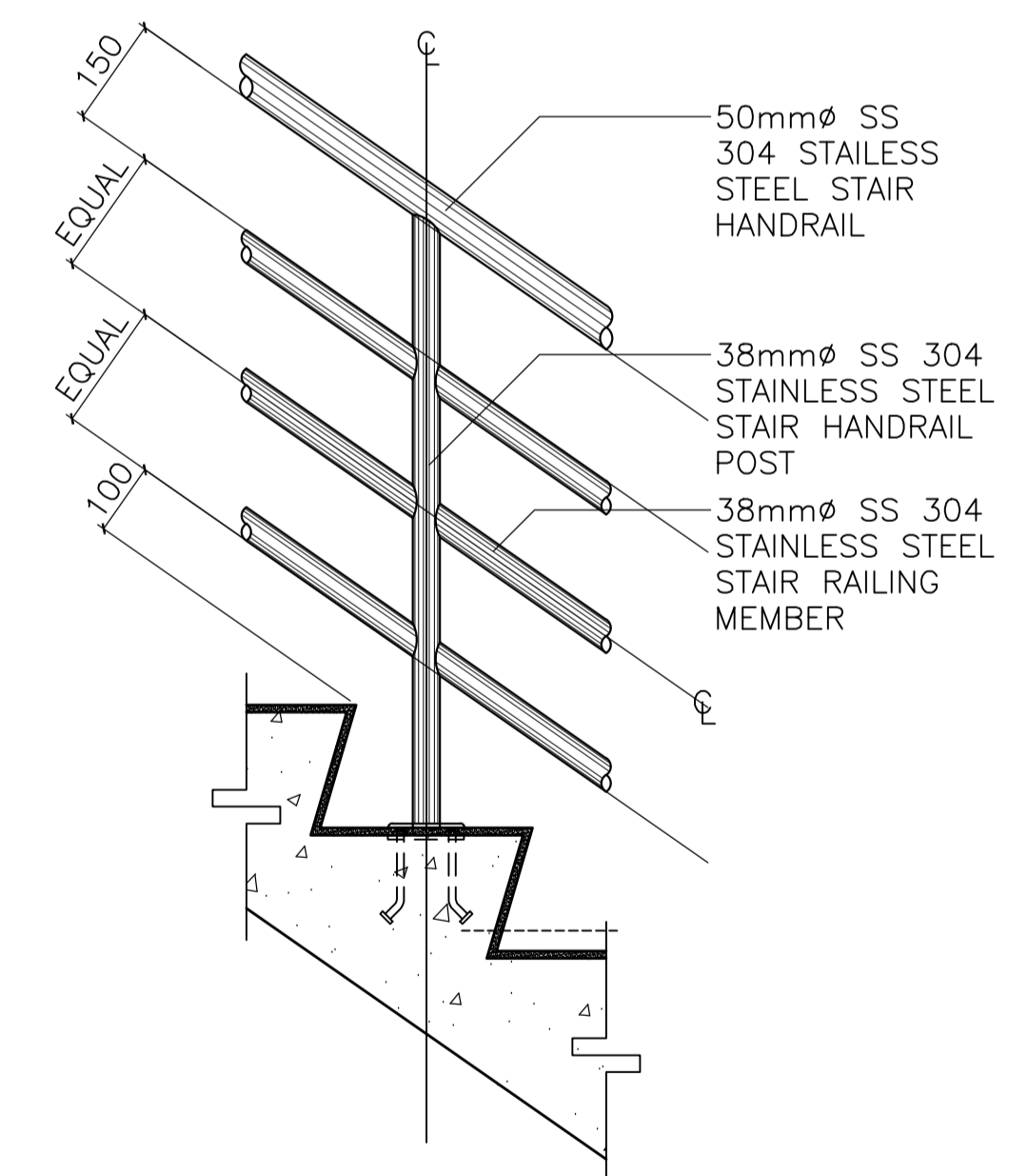
**B** THIRD FLOOR TO ROOF DECK  
**MAIN STAIR PLAN**  
 A-24 SCALE: 1:50



**C** BLOW-UP DETAILS  
 A-24 SCALE: 1:5



**D** BLOW-UP DETAILS  
 A-24 SCALE: 1:5



**F** BLOW-UP DETAILS  
 A-24 SCALE: 1:10

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE. LORVELA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

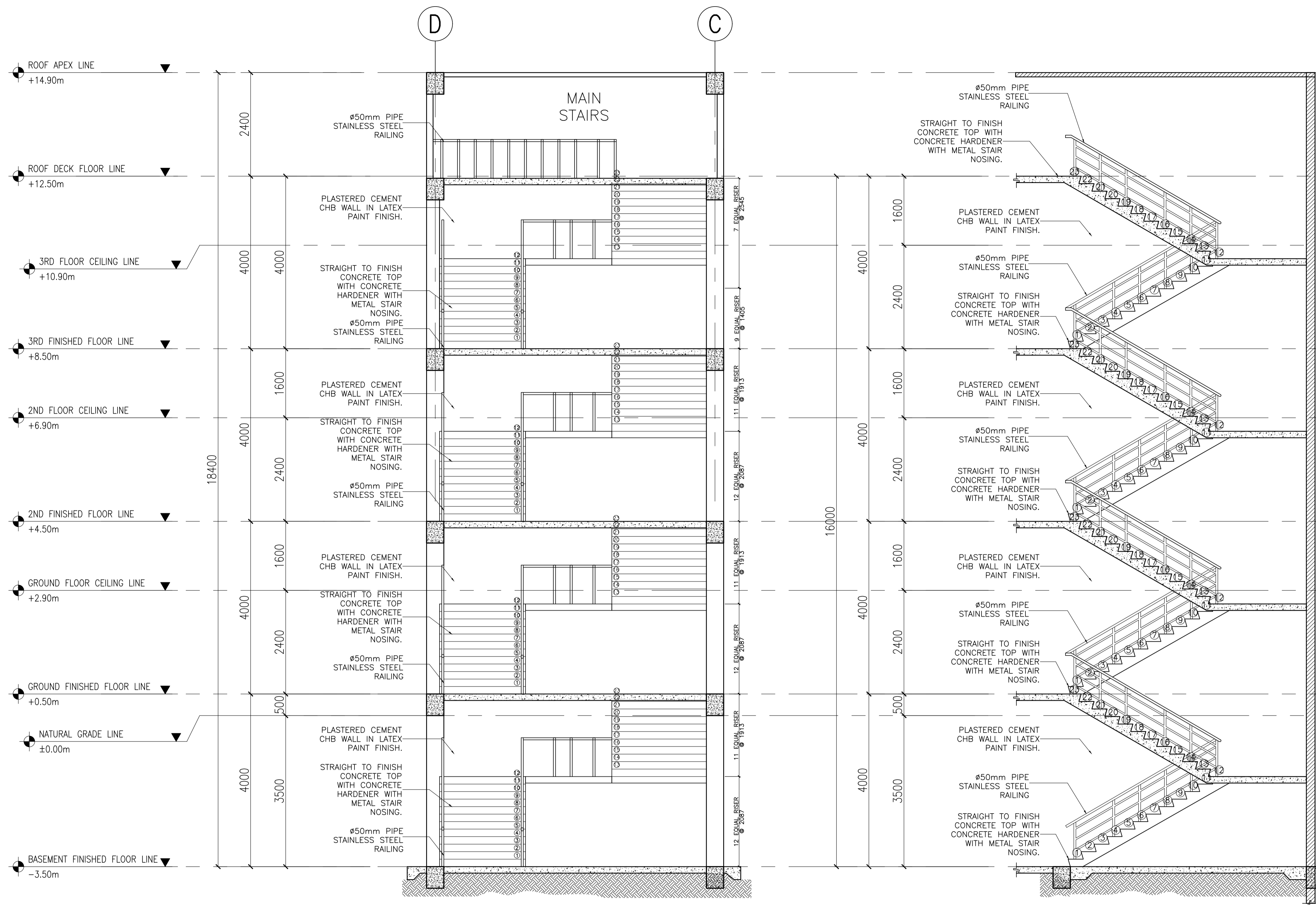
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 MAIN STAIR PLAN  
 BLOW-UP DETAILS

SHEET NO:  
**A**  
 24 37





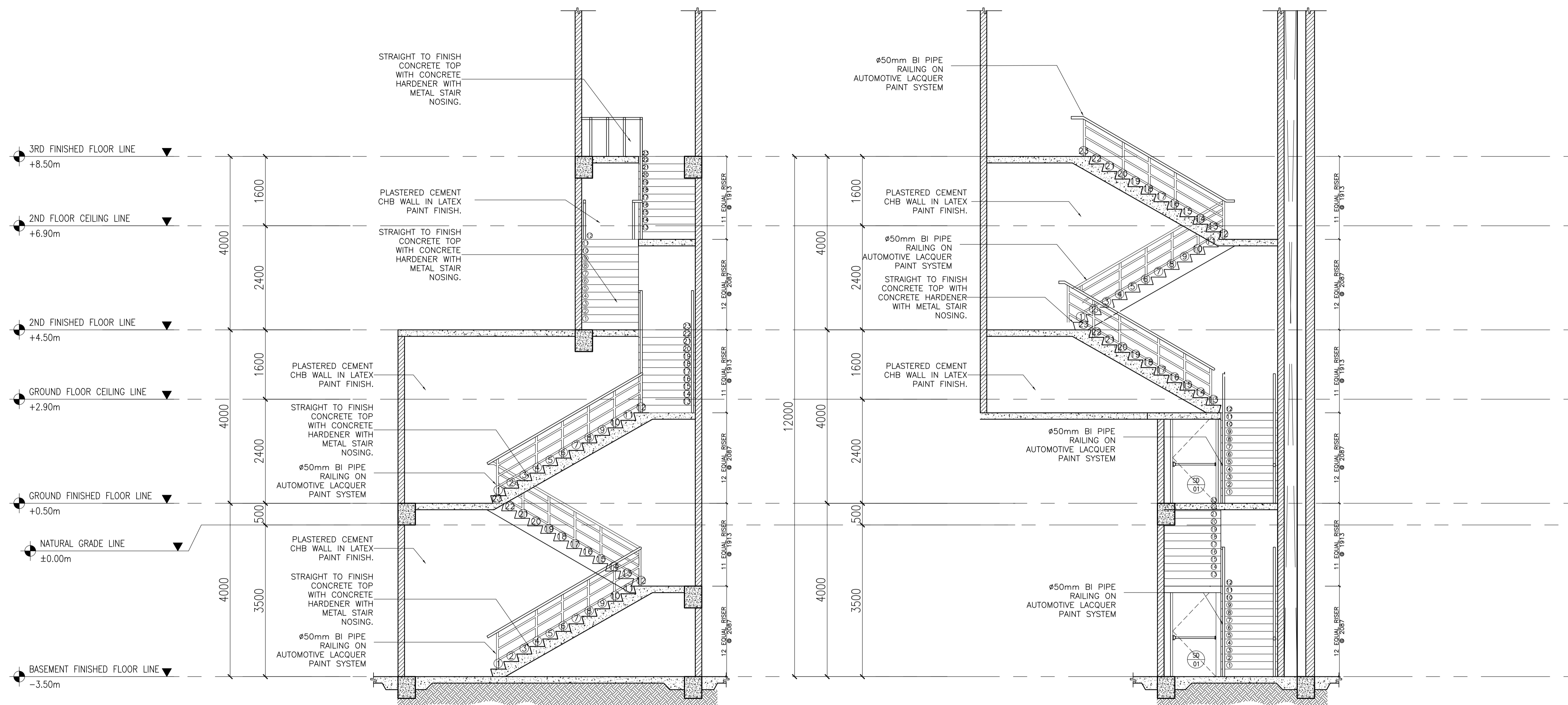
**A MAIN STAIR SECTION A**  
A-25 SCALE: 1:50

**B MAIN STAIR SECTION B**  
A-25 SCALE: 1:50





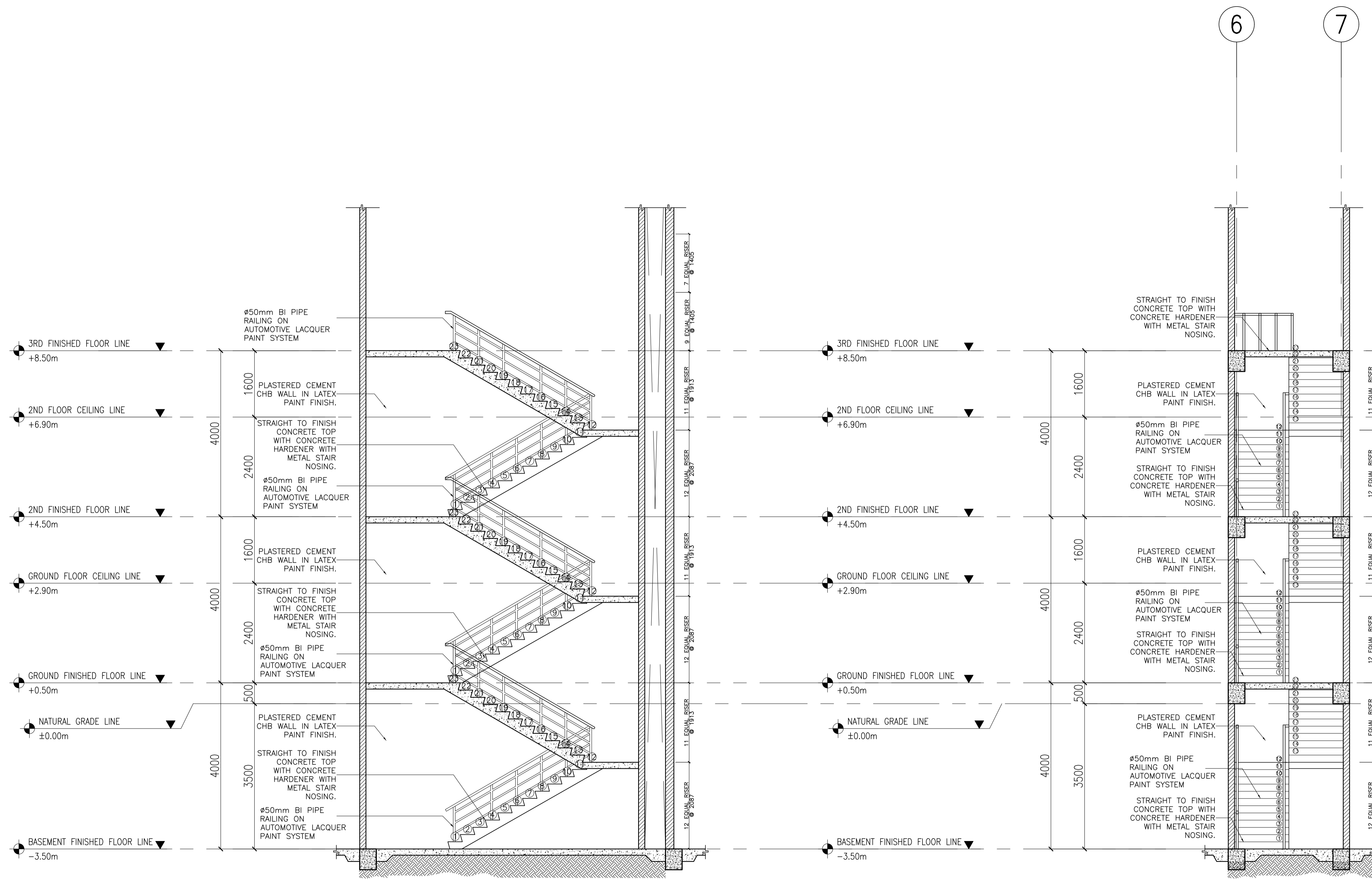




**A FIRE EXIT 1 SECTION B**  
A-27 SCALE: 1:50

**B FIRE EXIT 1 SECTION A**  
A-27 SCALE: 1:50



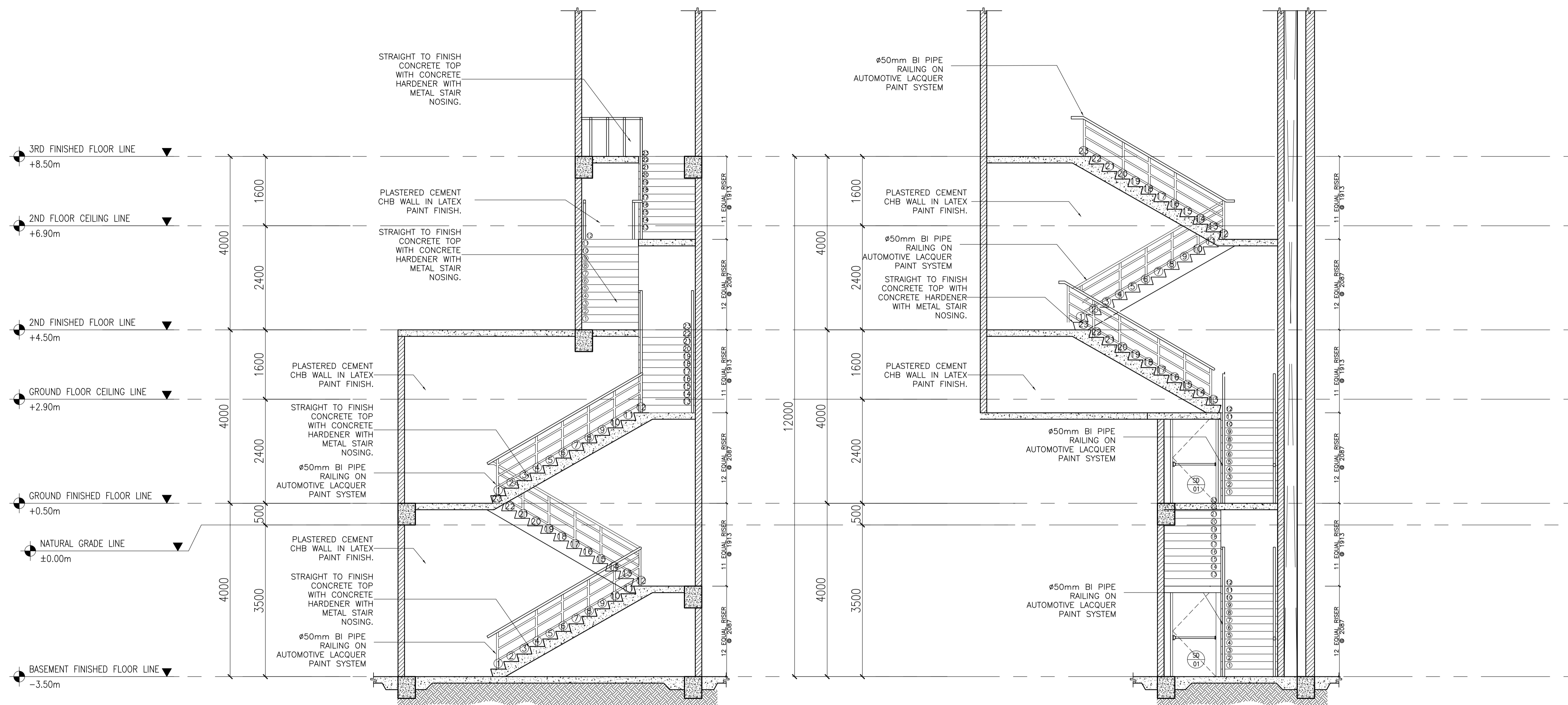


**A FIRE EXIT 2 SECTION B**  
A-28 SCALE: 1:50

**A FIRE EXIT 2 SECTION A**  
A-28 SCALE: 1:50

<b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ARCHITECT: <b>HENRY STEVE R. OLANON</b> ARCHITECT	REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: FIRE EXIT 2 SECTION	SHEET NO: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <b>A</b> </div> <div style="margin: 0 5px;">28</div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <b>37</b> </div> </div>
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE. LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214	PRC No. 17726 PTR No. 0732073 Place: QUEZON CITY	Validity: 04/27/2024 Date: 01/11/2021 TIN: 106186110	LOCATION: Brgy. Rizal, Odiangan, Romblon				

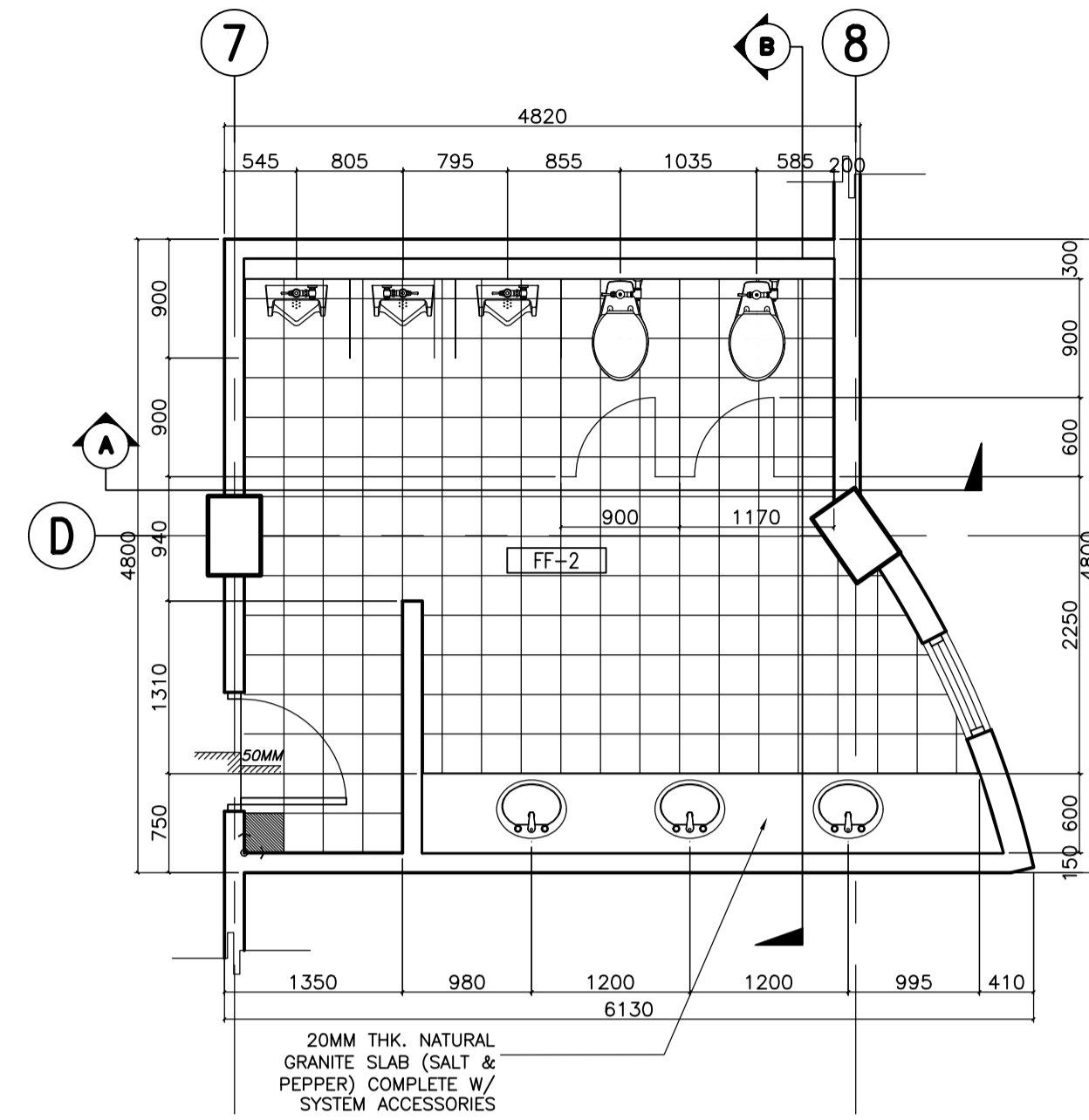




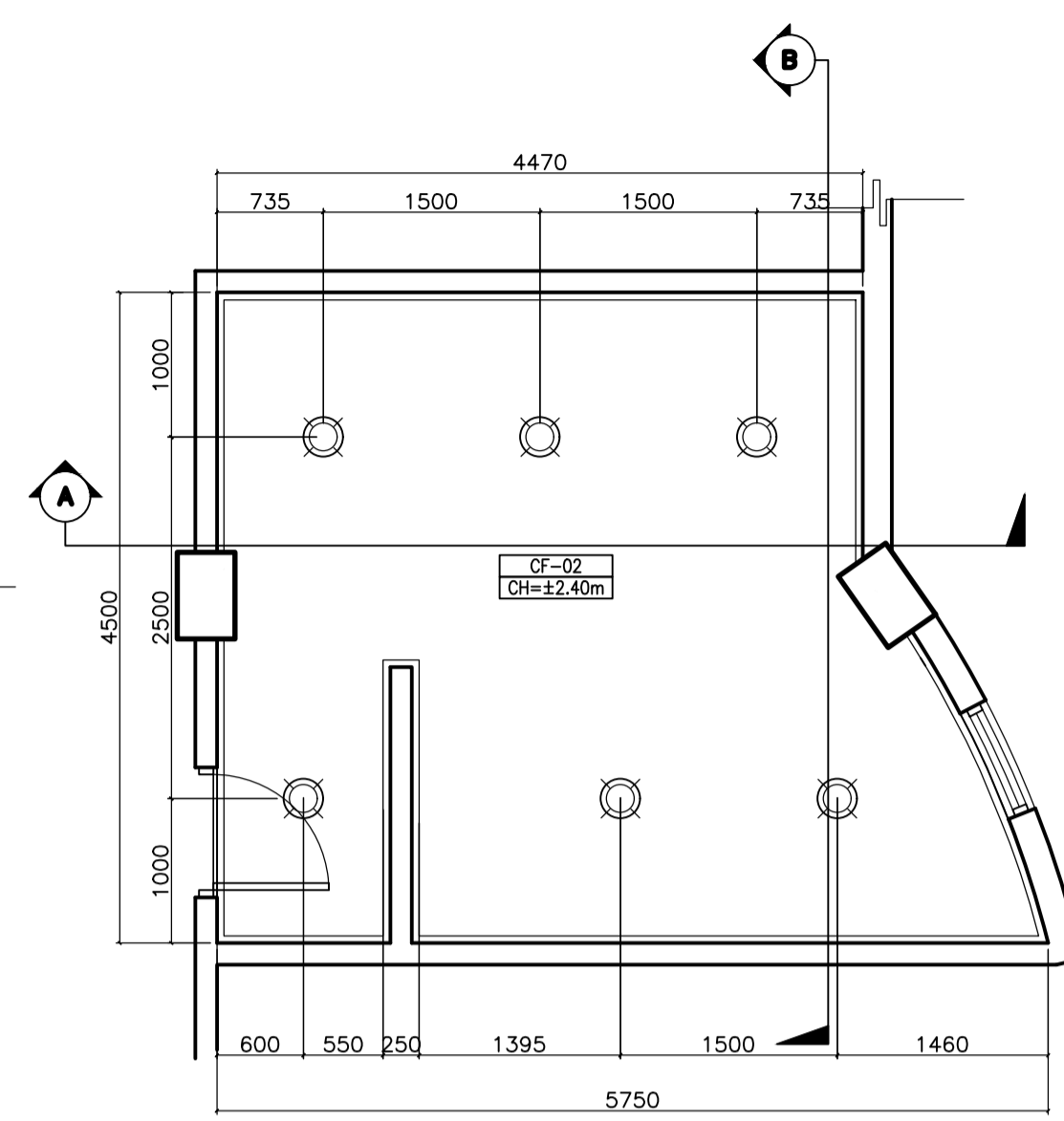
**A FIRE EXIT 1 SECTION B**  
A-29 SCALE: 1:50

**B FIRE EXIT 1 SECTION A**  
A-29 SCALE: 1:50

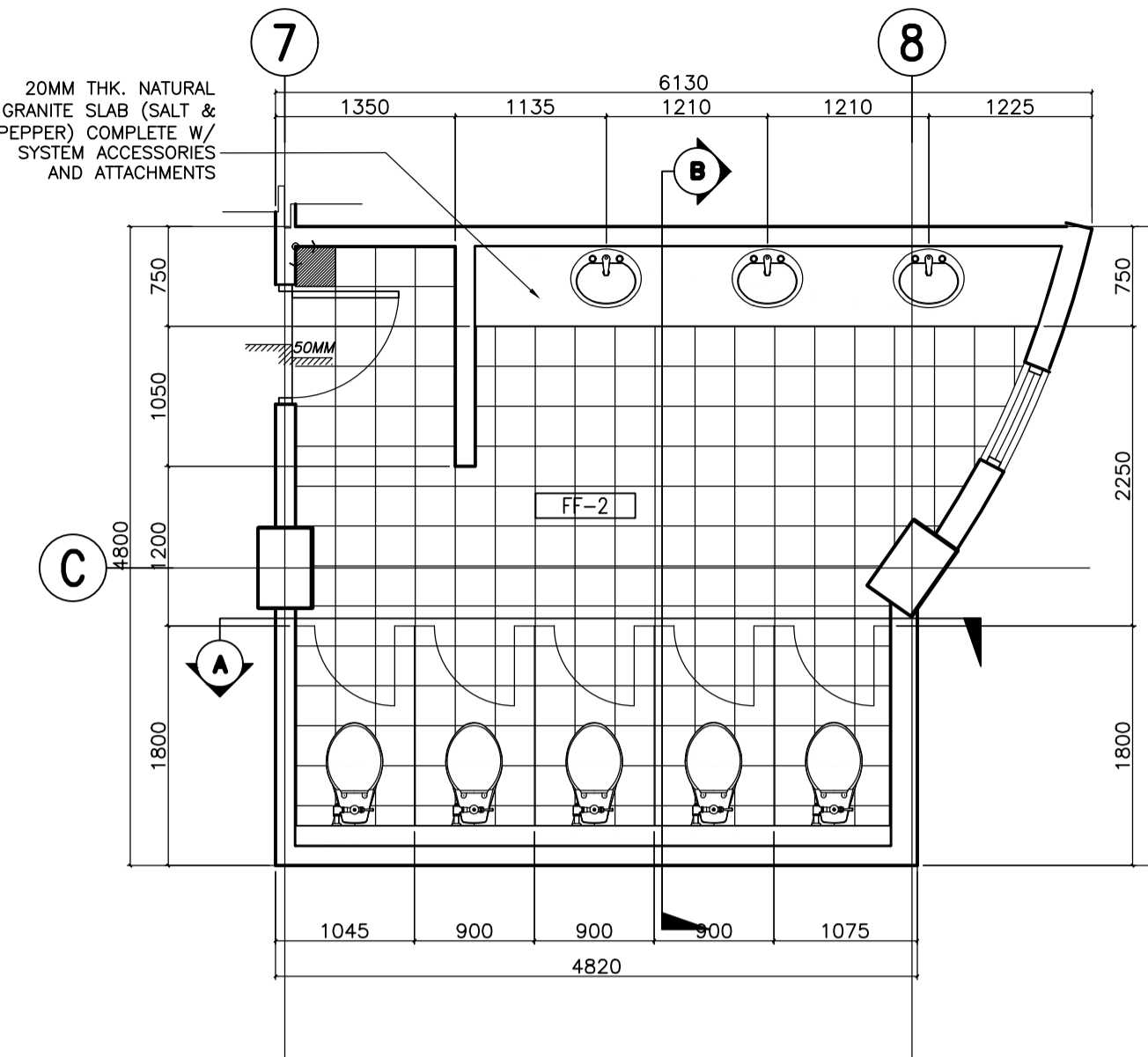




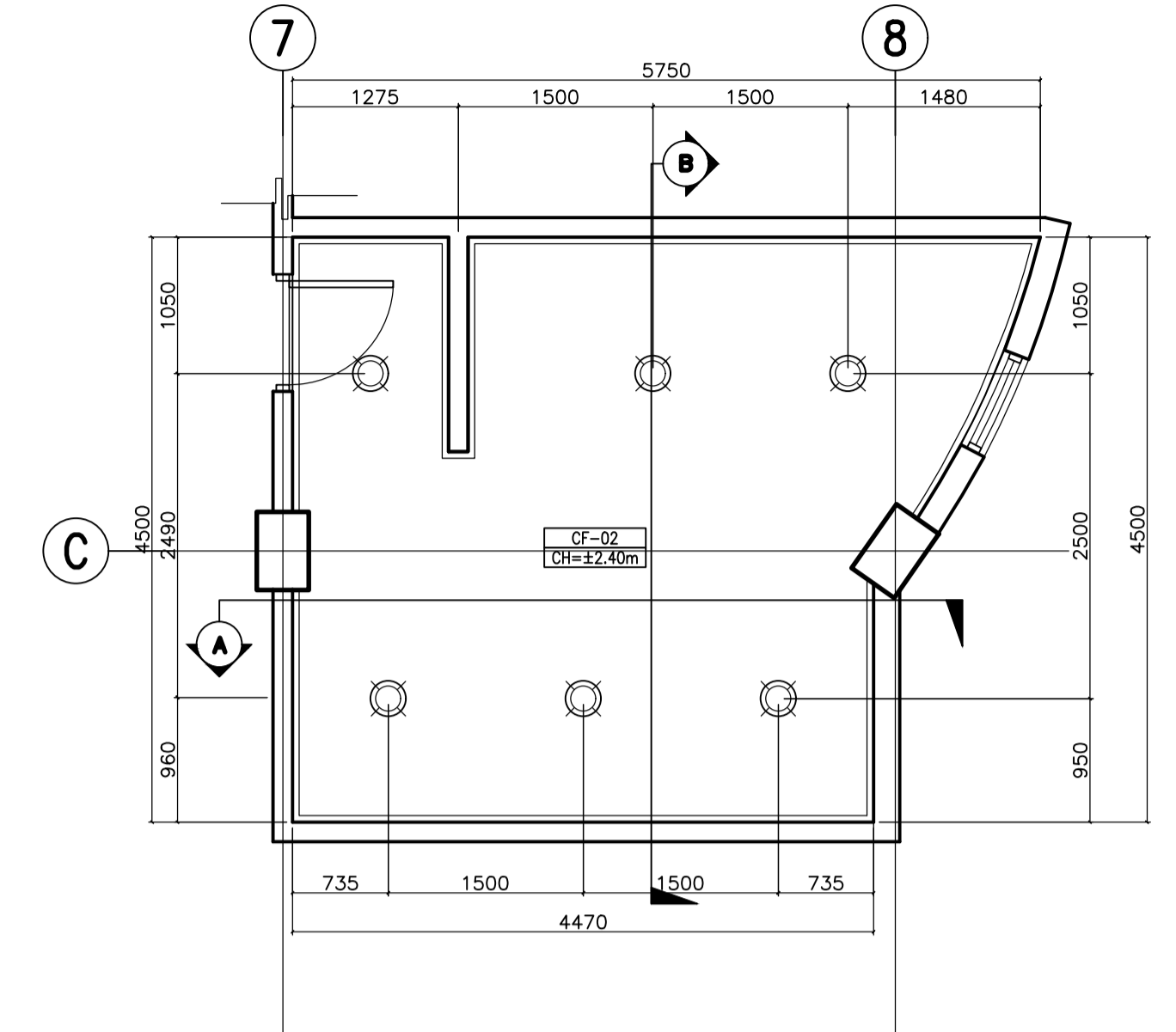
**A** ACADEMIC BUILDING II - MALE TOILET  
**TOILET BLOW-UP PLAN**  
 A-30 SCALE: 1:50m



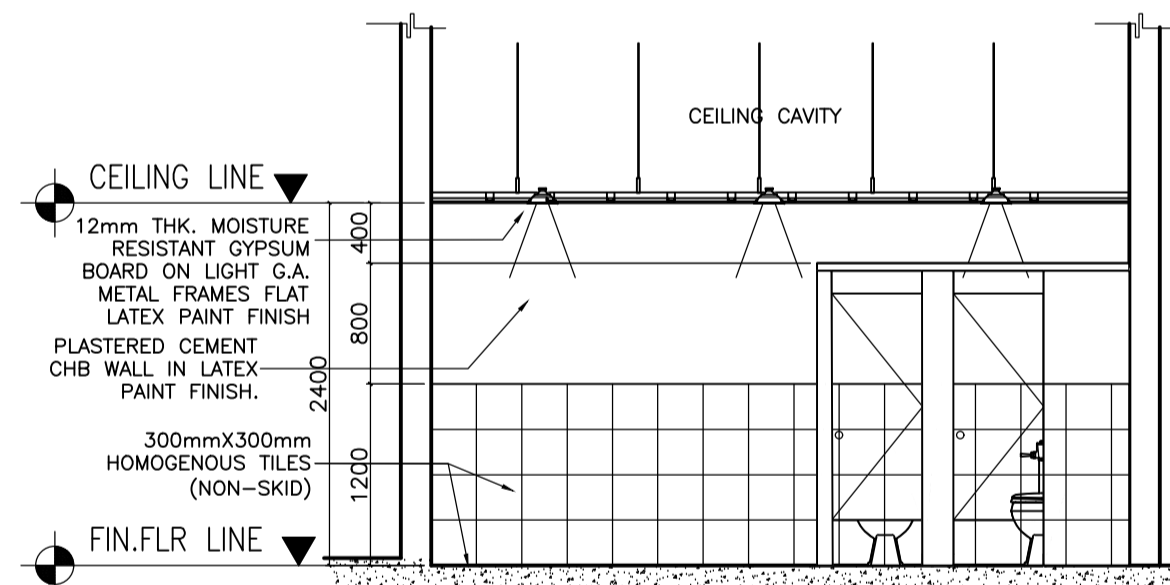
**B** ACADEMIC BUILDING II - MALE TOILET  
**REFLECTED CEILING PLAN**  
 A-30 SCALE: 1:50m



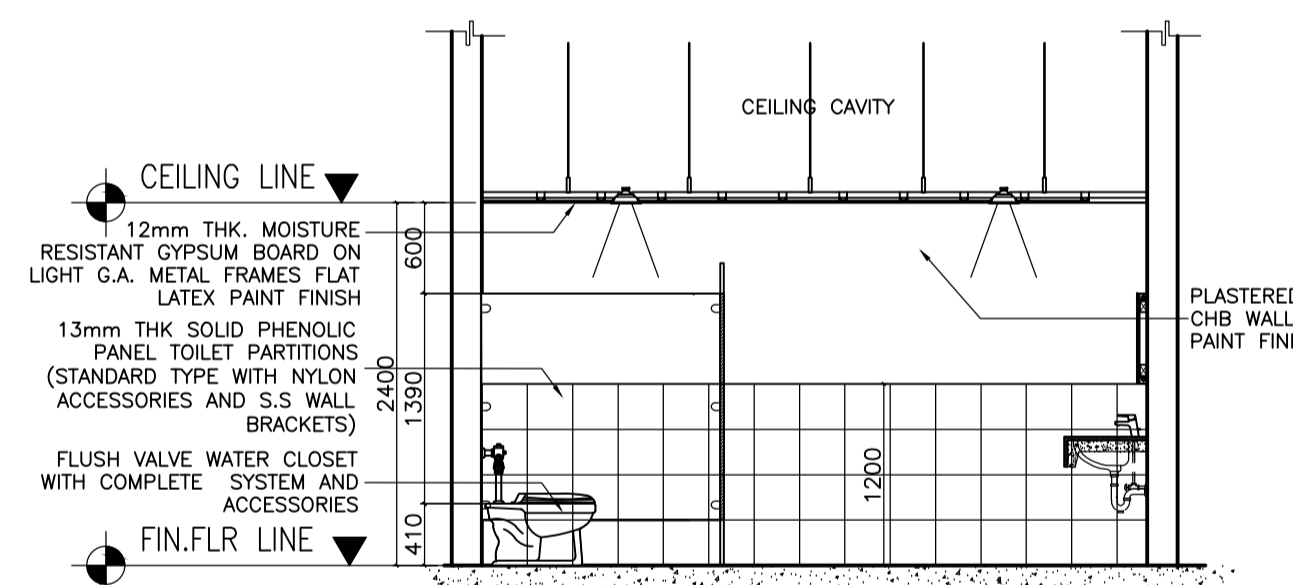
**C** ACADEMIC BUILDING II - FEMALE TOILET  
**TOILET BLOW-UP PLAN**  
 A-30 SCALE: 1:50m



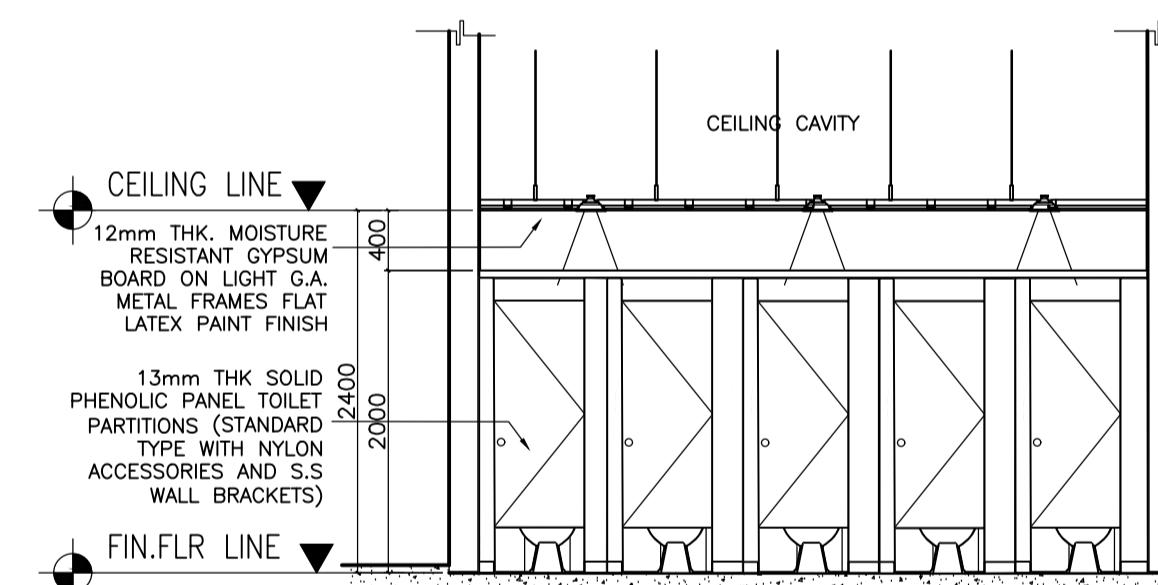
**D** ACADEMIC BUILDING II - FEMALE TOILET  
**REFLECTED CEILING PLAN**  
 A-30 SCALE: 1:50m



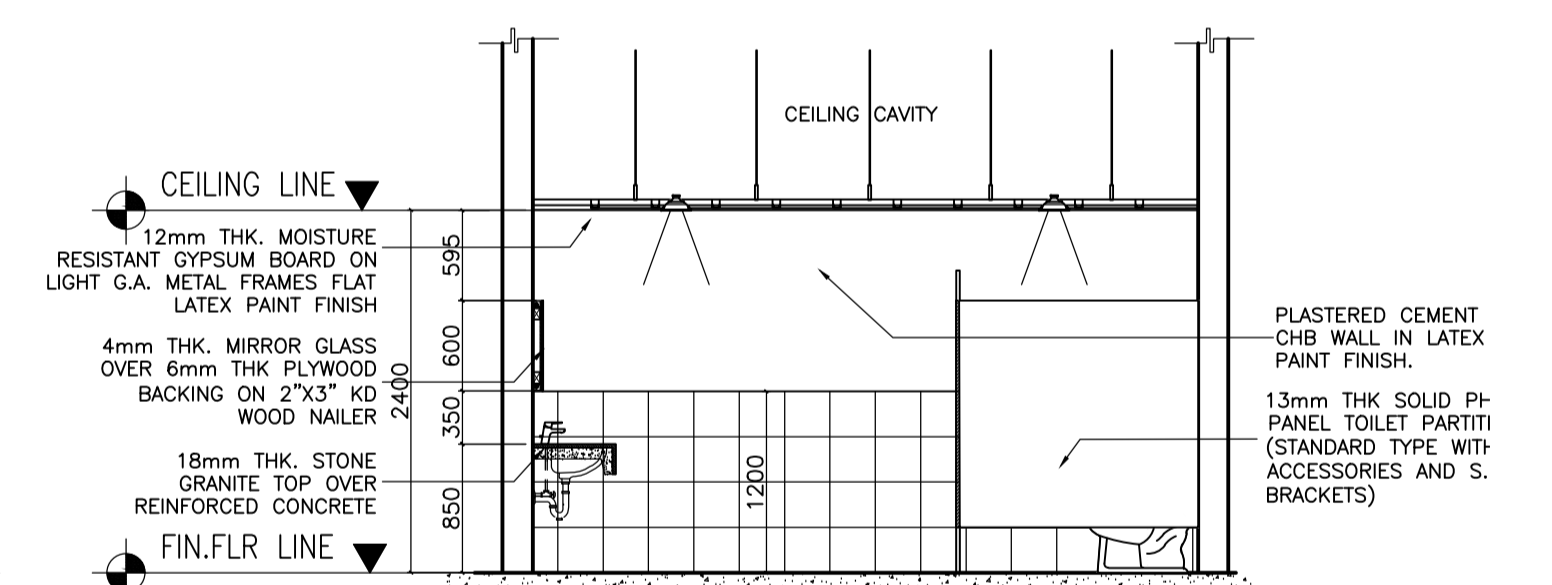
**E** ACADEMIC BUILDING II - MALE TOILET  
**SECTION THRU - A**  
 A-30 SCALE: 1:50m



**F** ACADEMIC BUILDING II - MALE TOILET  
**SECTION THRU - B**  
 A-30 SCALE: 1:50m



**G** ACADEMIC BUILDING II - FEMALE TOILET  
**SECTION THRU - A**  
 A-30 SCALE: 1:50m




**H** ACADEMIC BUILDING II - FEMALE TOILET  
**SECTION THRU - B**  
 A-30 SCALE: 1:50m

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVENUE, LORVELA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

ARCHITECT: <b>HENRY STEVE R. OLONAN</b> ARCHITECT	
PRC No. 17726	Validity: 04/27/2024
PTR No. 0732073	Date: 01/11/2021
Place: QUEZON CITY	TIN: 106186110

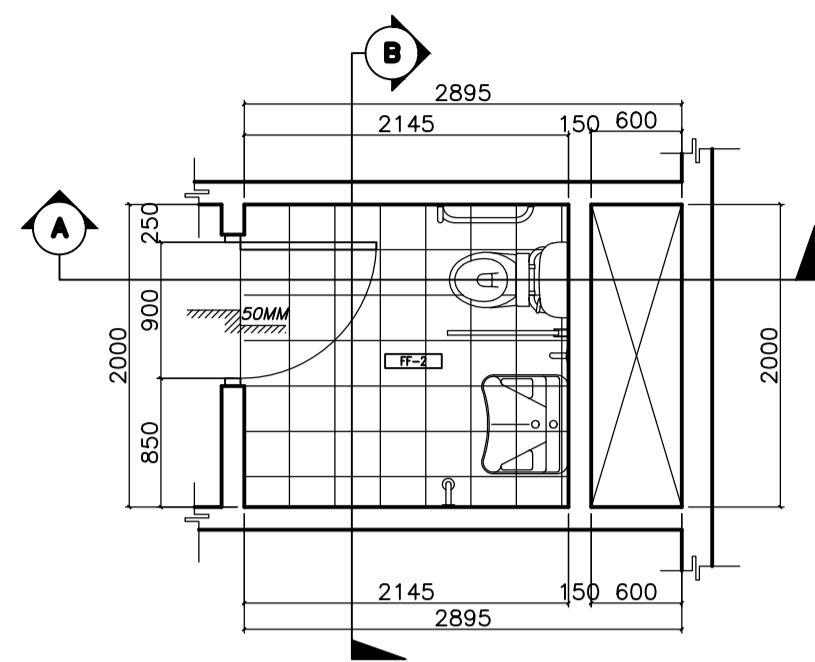
**REPUBLIC ACT 9266**  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b>
DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS
LOCATION: Brgy. Rizal, Odiongan, Romblon

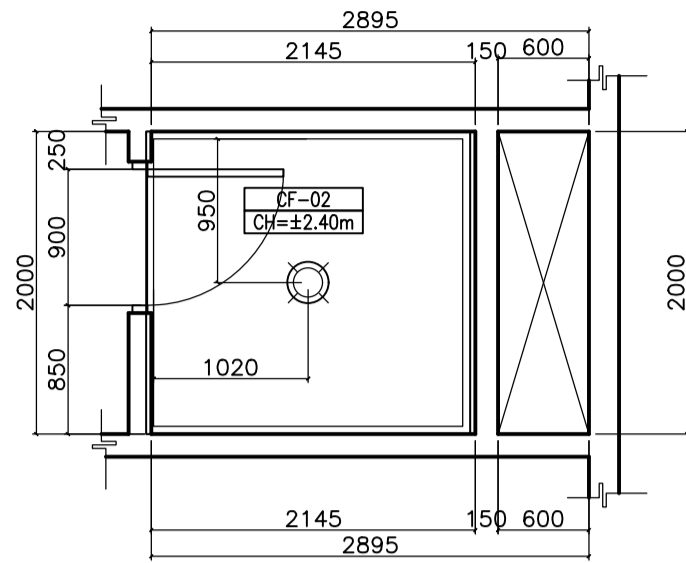
RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF
APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR

SHEET CONTENTS: MALE AND FEMALE TOILET DETAILS PLANS AND SECTION	SHEET NO: <b>A</b> 30 37
--	--------------------------------

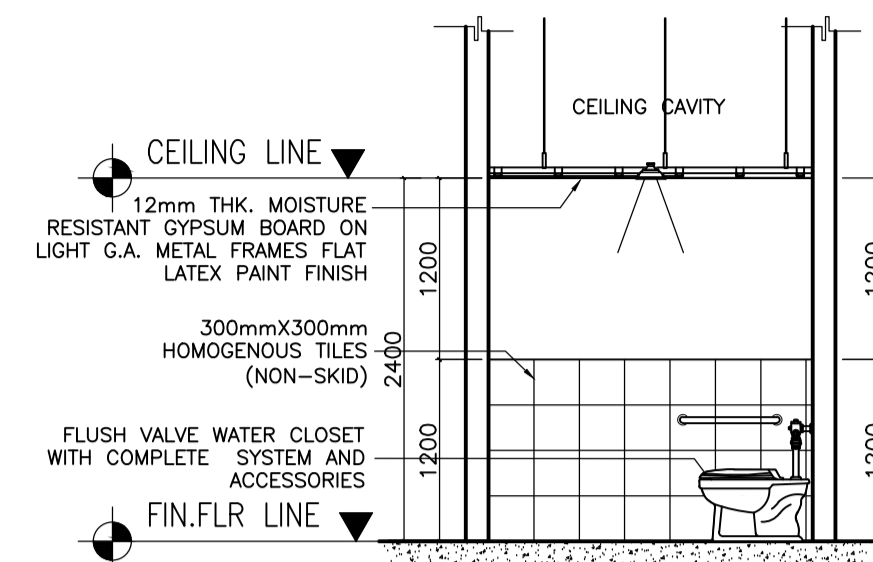




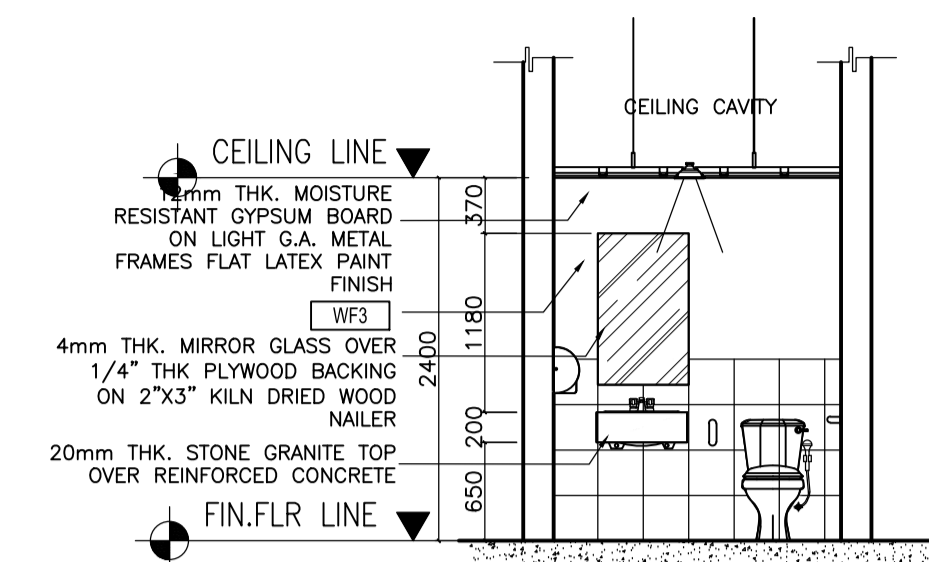
**A** ACADEMIC BUILDING II - PWD TOILET  
TOILET BLOW-UP PLAN  
A-31 SCALE: 1:50m



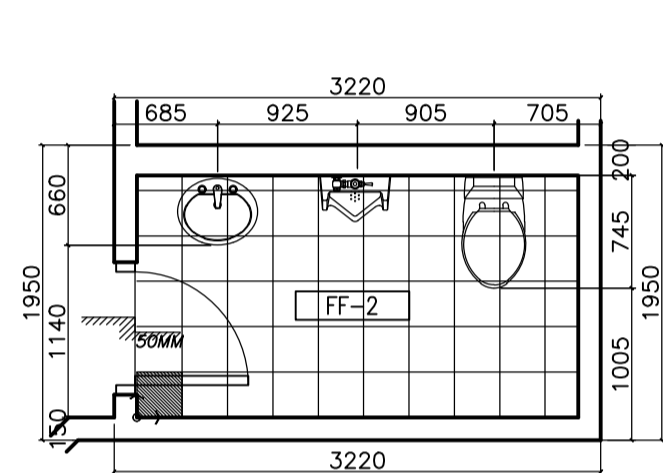
**B** ACADEMIC BUILDING II - PWD TOILET  
REFLECTED CEILING PLAN  
A-31 SCALE: 1:50m



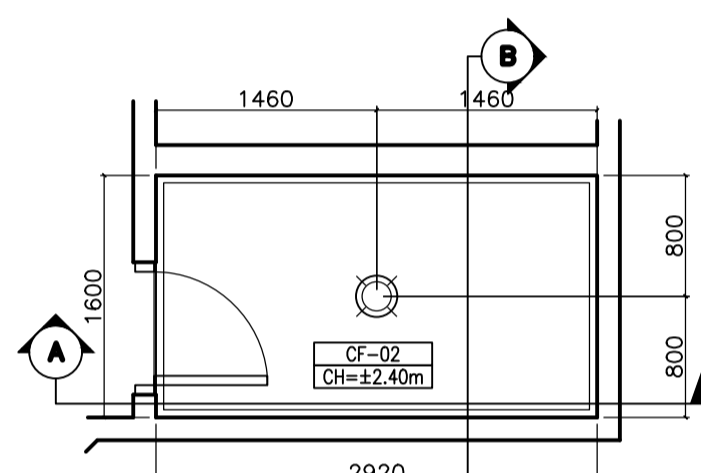
**C** ACADEMIC BUILDING II - PWD TOILET  
SECTION THRU - A  
A-31 SCALE: 1:50m



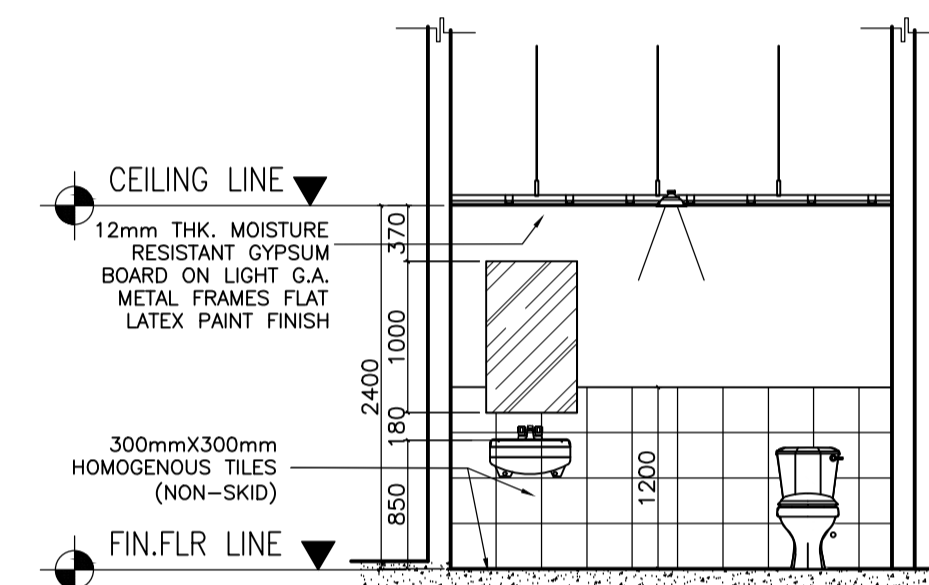
**D** ACADEMIC BUILDING II - PWD TOILET  
SECTION THRU - B  
A-31 SCALE: 1:50m



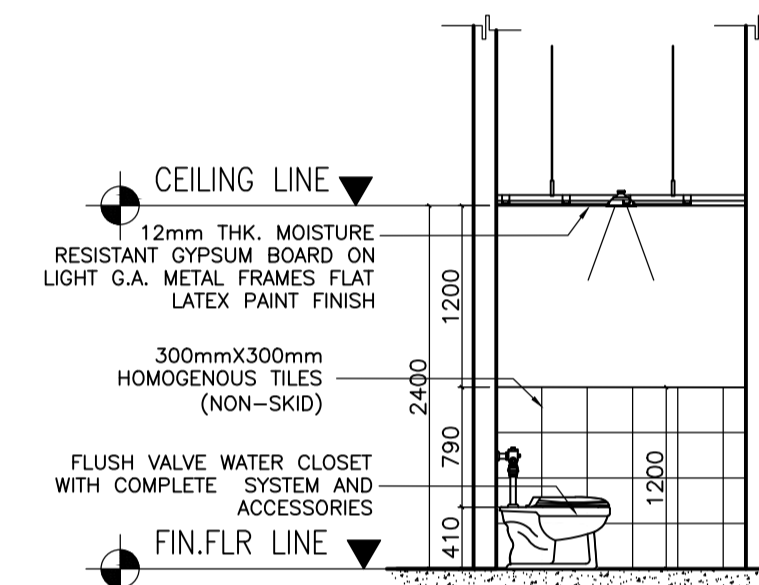
**E** ACADEMIC BUILDING II - SSD HEAD/CID HEAD/SD HEAD  
TOILET BLOW-UP PLAN  
A-31 SCALE: 1:50m



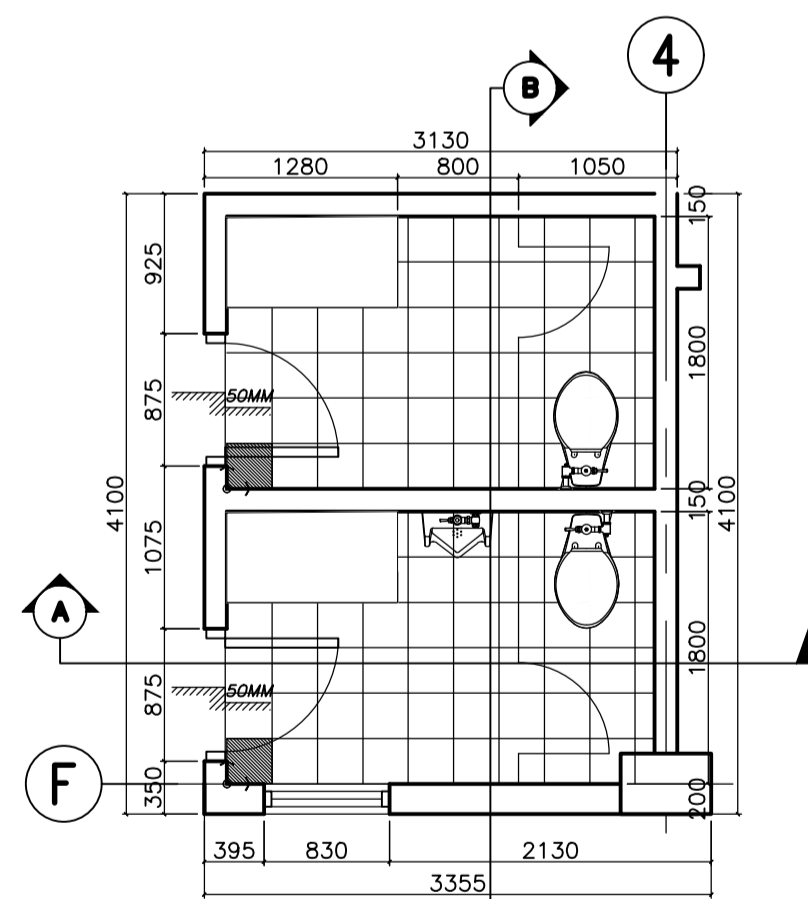
**F** ACADEMIC BUILDING II - SSD HEAD/CID HEAD/SD HEAD  
REFLECTED CEILING PLAN  
A-31 SCALE: 1:50m



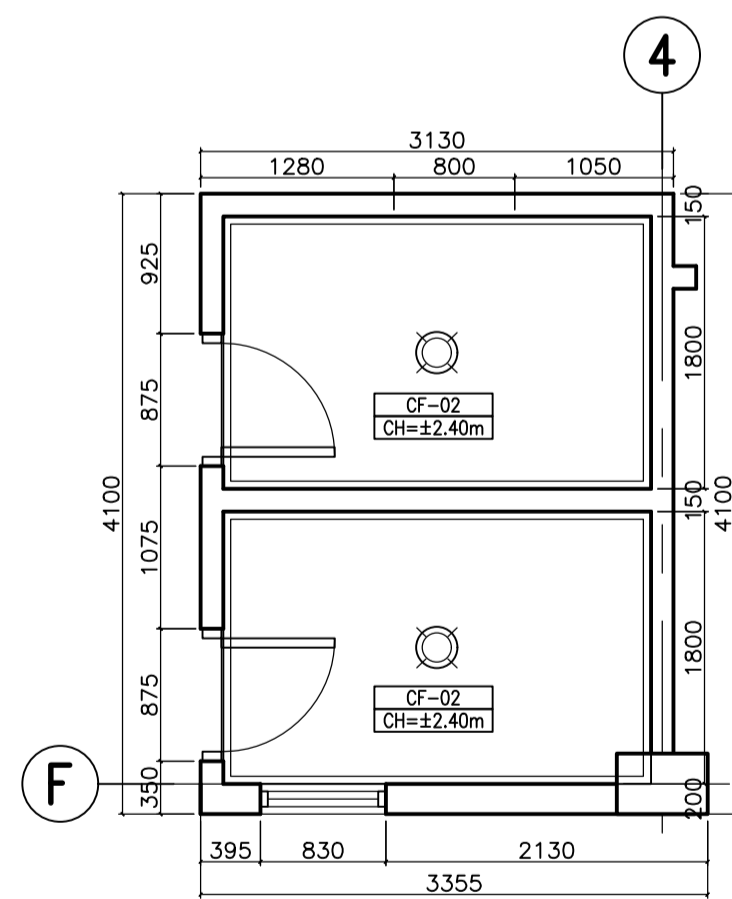
**G** ACADEMIC BUILDING II - SSD HEAD/CID HEAD/SD HEAD  
SECTION THRU - A  
A-31 SCALE: 1:50m



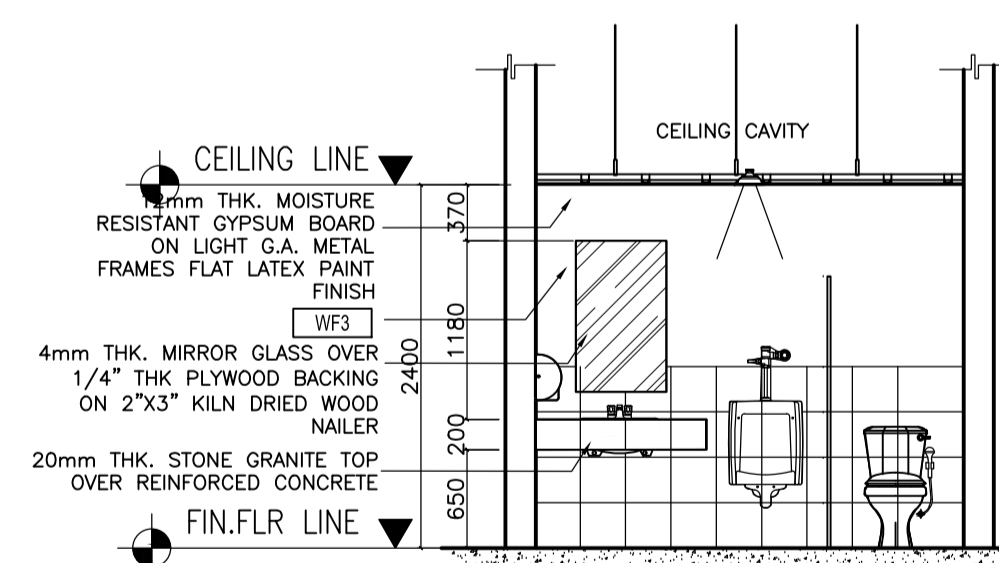
**H** ACADEMIC BUILDING II - SSD HEAD/CID HEAD/SD HEAD  
SECTION THRU - B  
A-31 SCALE: 1:50m



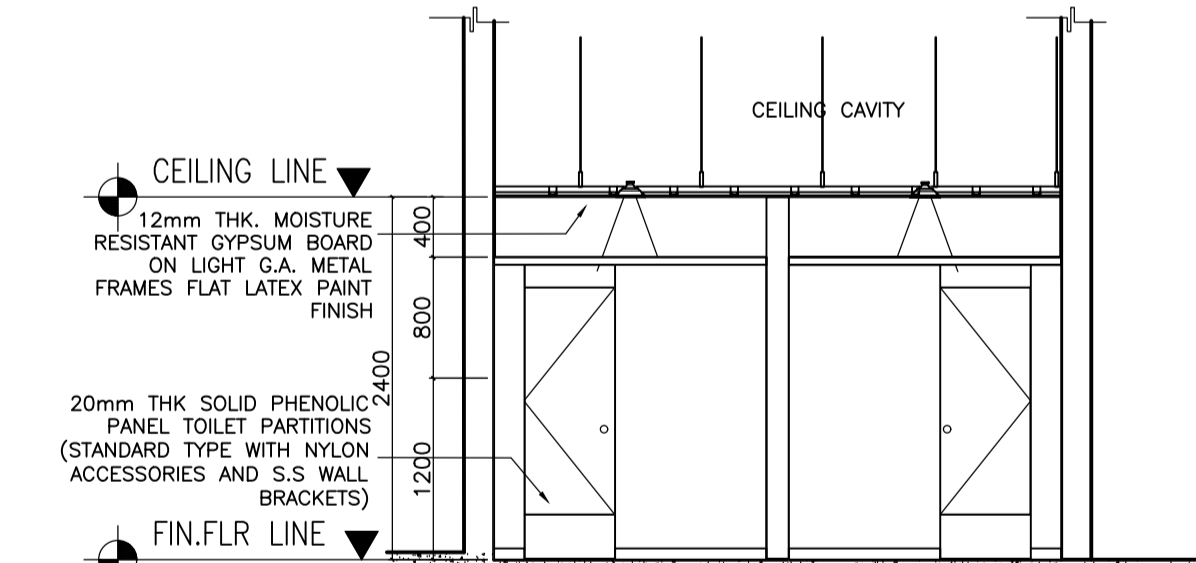
**I** ACADEMIC BUILDING II - FACULTY ROOM  
TOILET BLOW-UP PLAN  
A-31 SCALE: 1:50m



**J** ACADEMIC BUILDING II - FACULTY ROOM  
REFLECTED CEILING PLAN  
A-31 SCALE: 1:50m

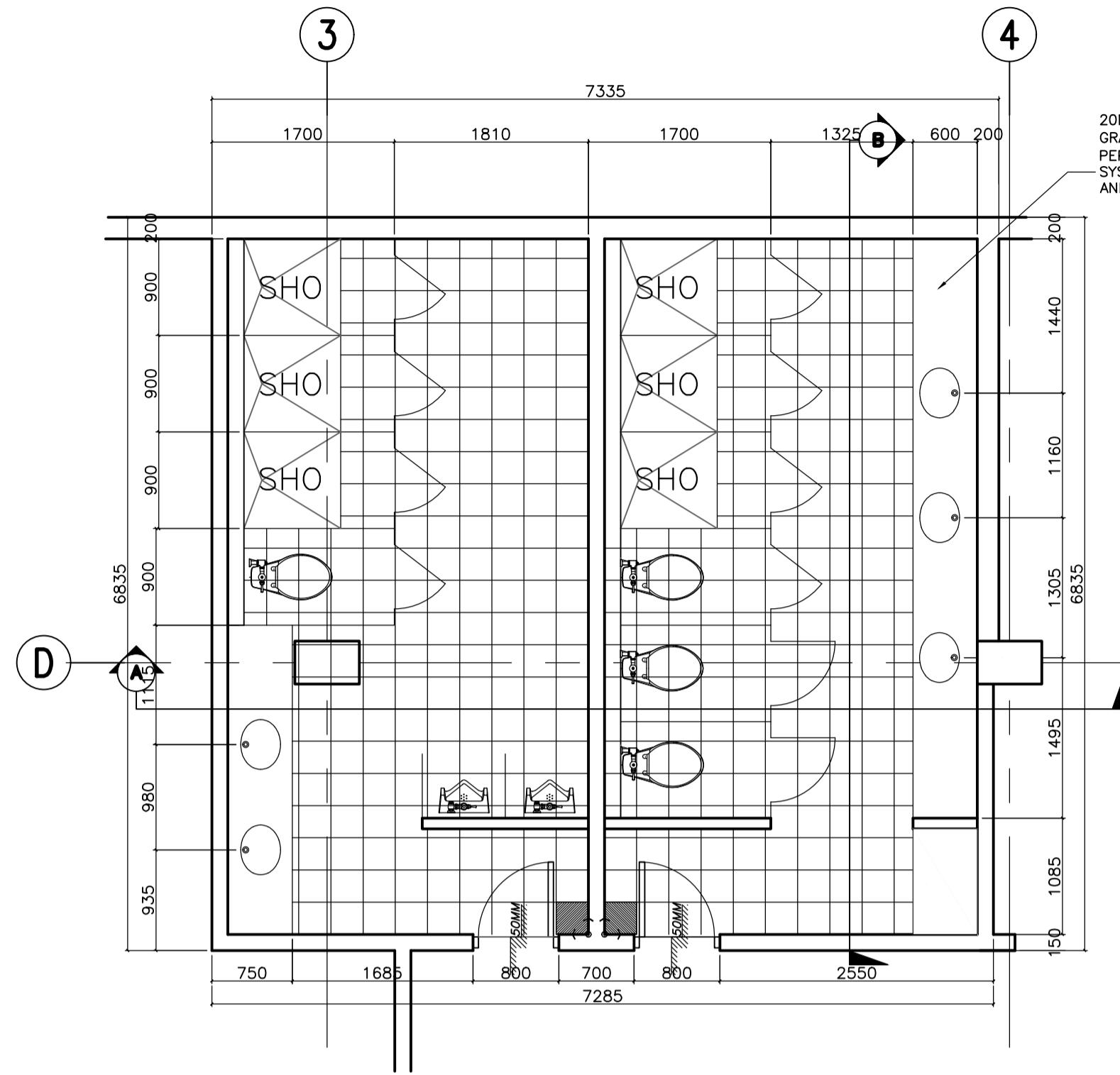


**K** ACADEMIC BUILDING II - FACULTY ROOM  
SECTION THRU - A  
A-31 SCALE: 1:50m

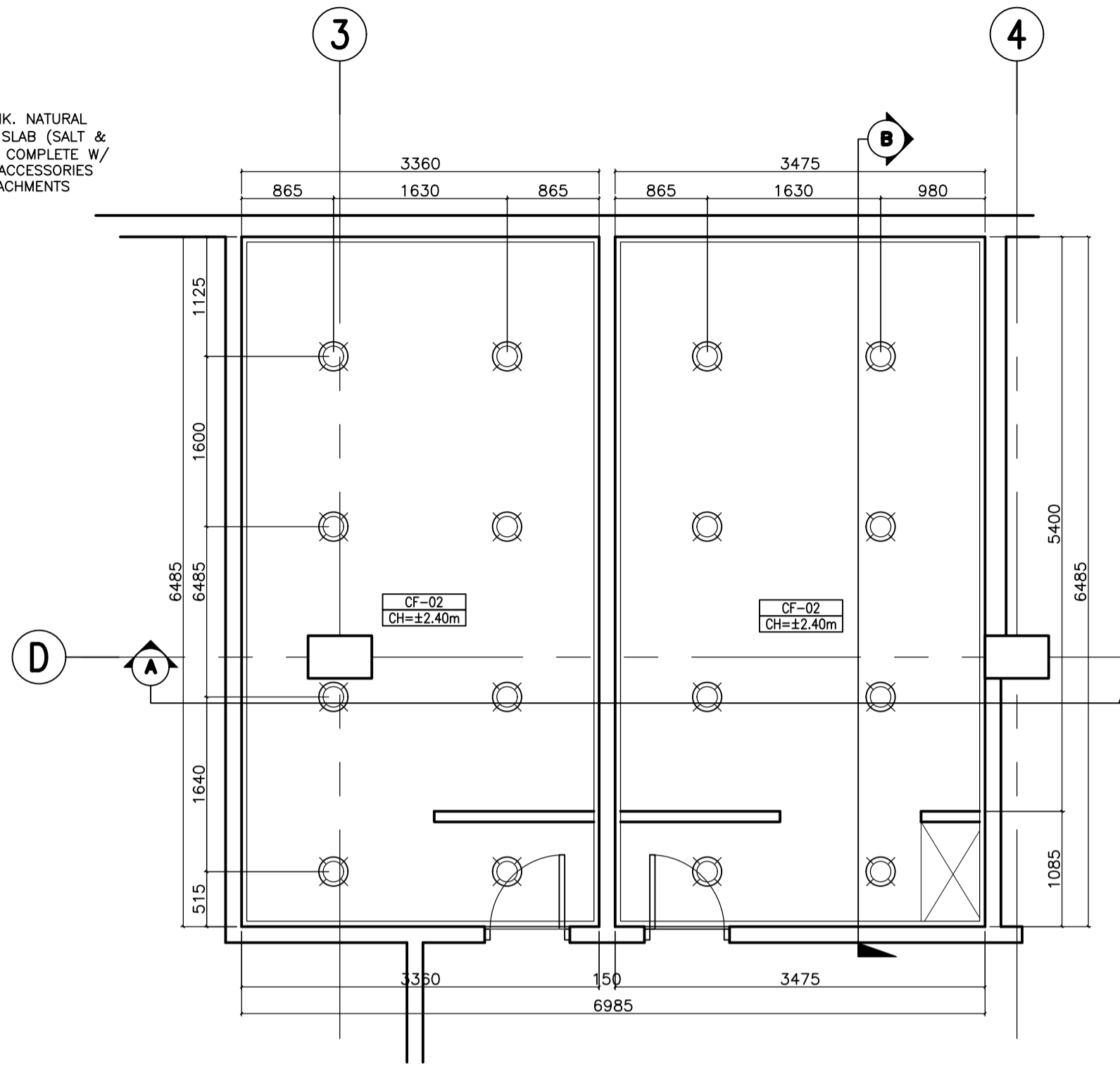


**L** ACADEMIC BUILDING II - FACULTY ROOM  
SECTION THRU - B  
A-31 SCALE: 1:50m

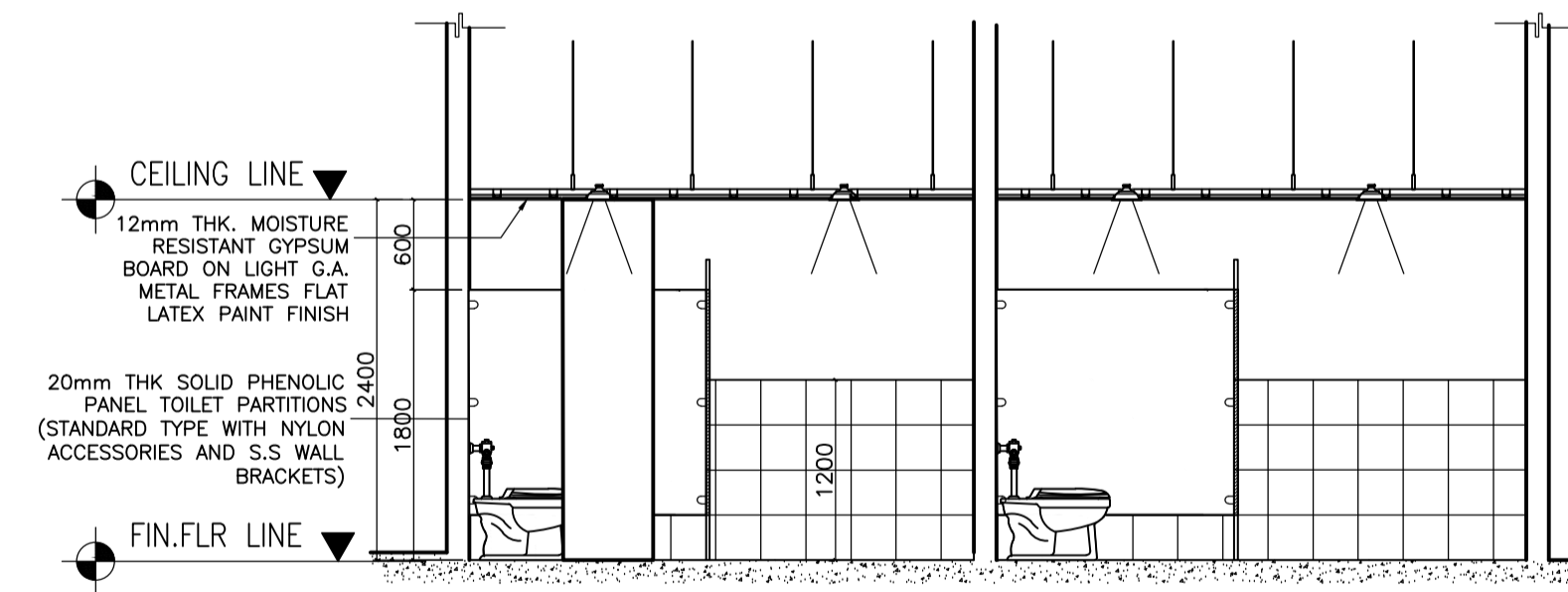




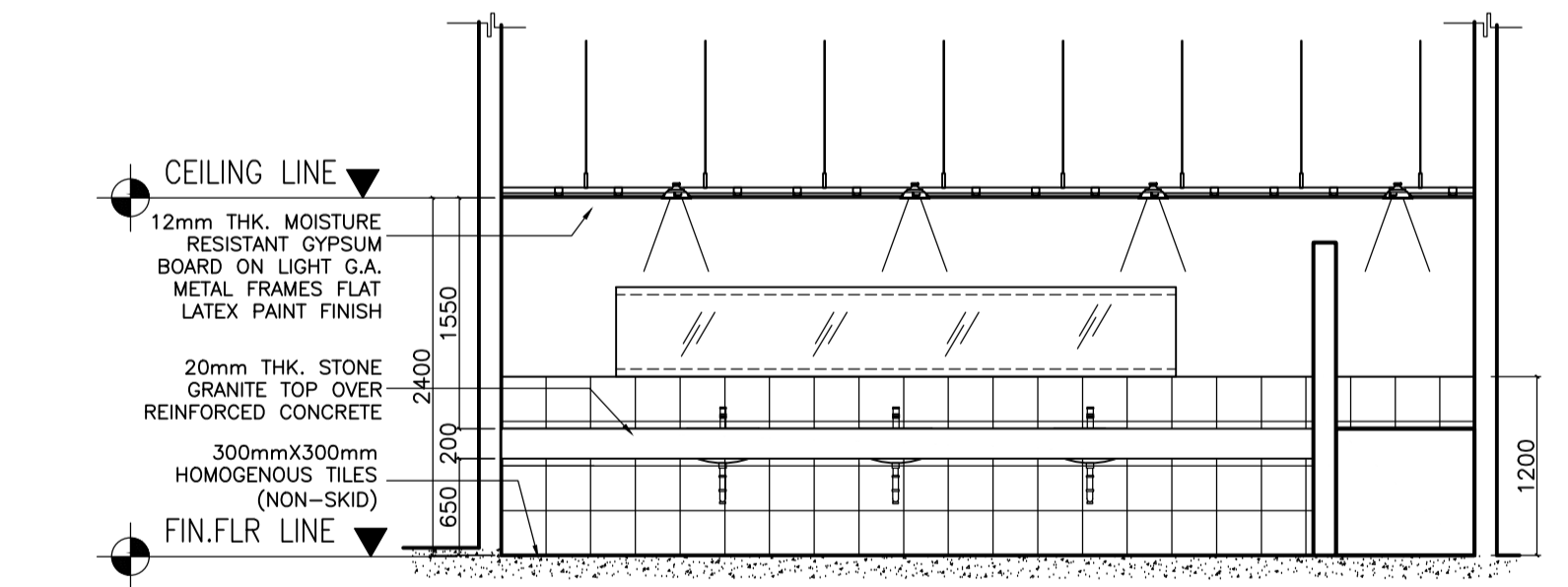
**A** ACADEMIC BUILDING II - MALE/FEMALE TOILET W/ SHOWER  
**TOILET BLOW-UP PLAN**  
 A-32 SCALE: 1:50m



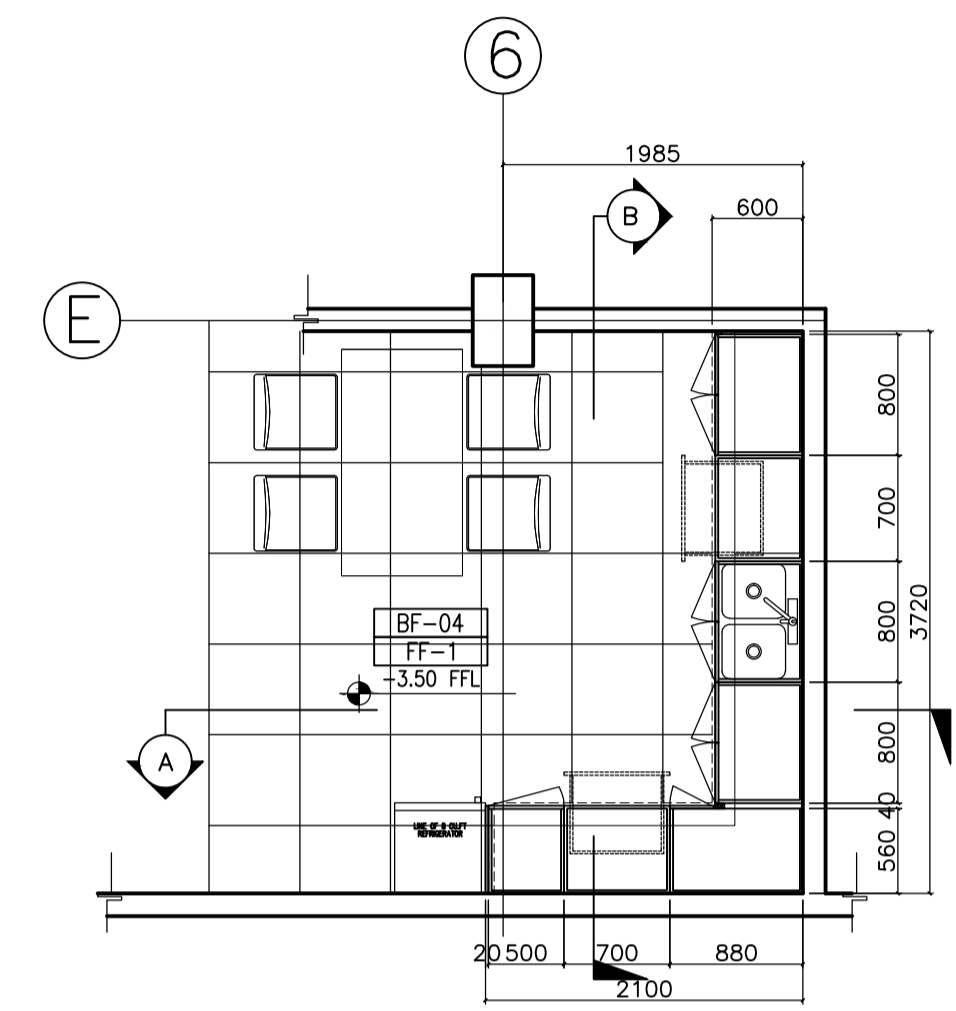
**B** ACADEMIC BUILDING II - MALE/FEMALE TOILET W/ SHOWER  
**REFLECTED CEILING PLAN**  
 A-32 SCALE: 1:50m



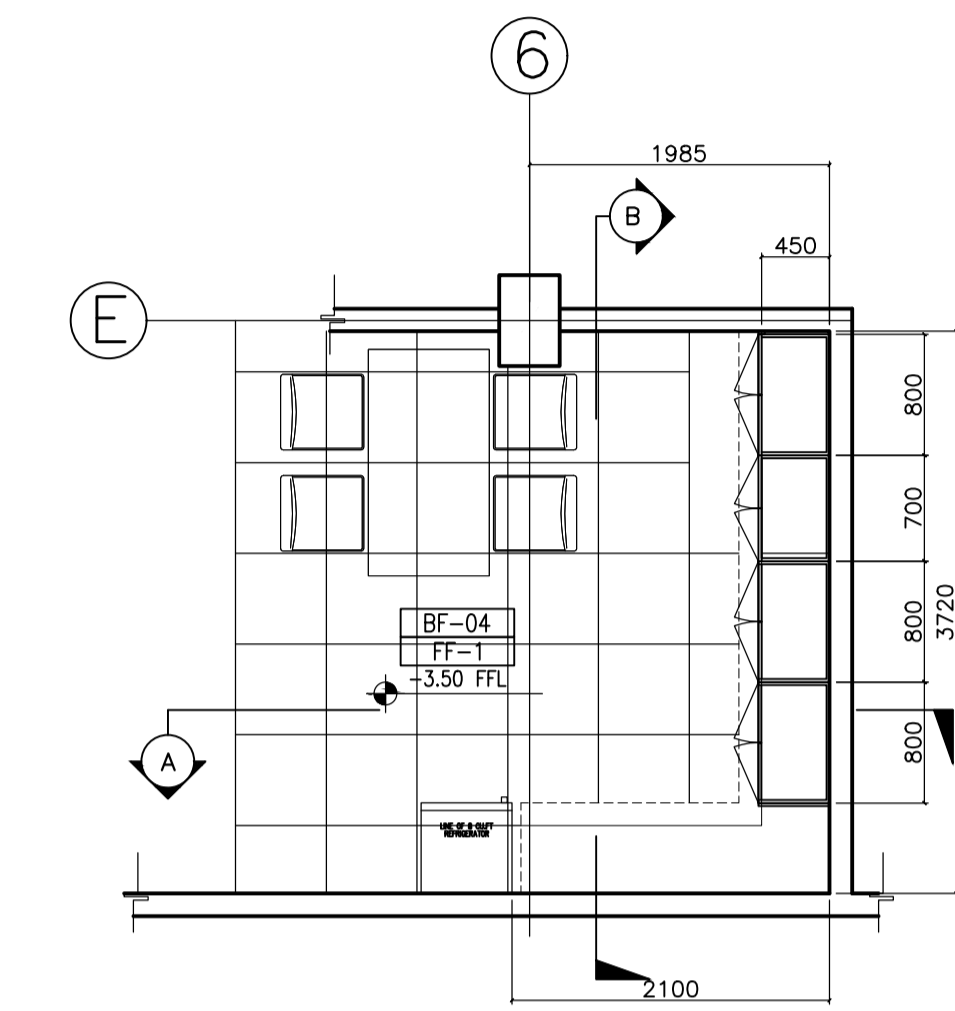
**C** ACADEMIC BUILDING II - MALE/FEMALE TOILET W/ SHOWER  
**SECTION THRU - A**  
 A-32 SCALE: 1:50m



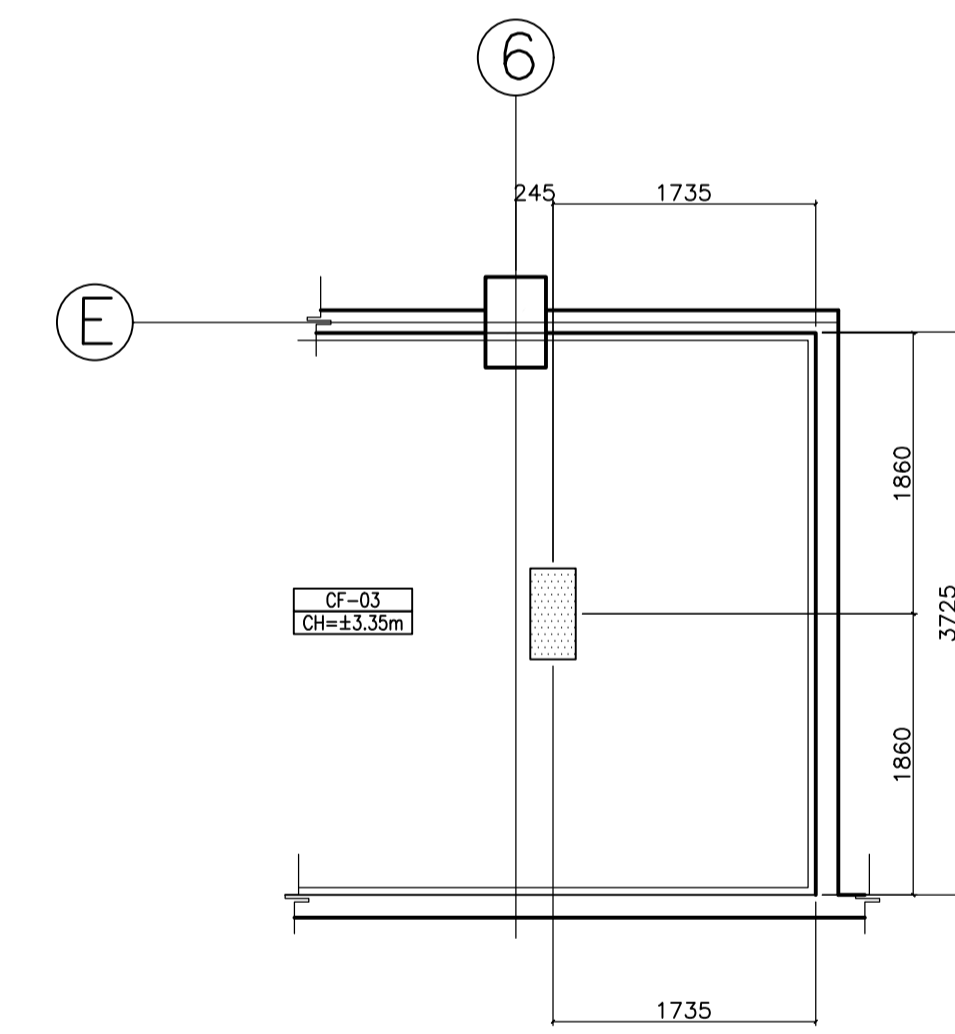
**D** ACADEMIC BUILDING II - MALE/FEMALE TOILET W/ SHOWER  
**SECTION THRU - B**  
 A-32 SCALE: 1:50m



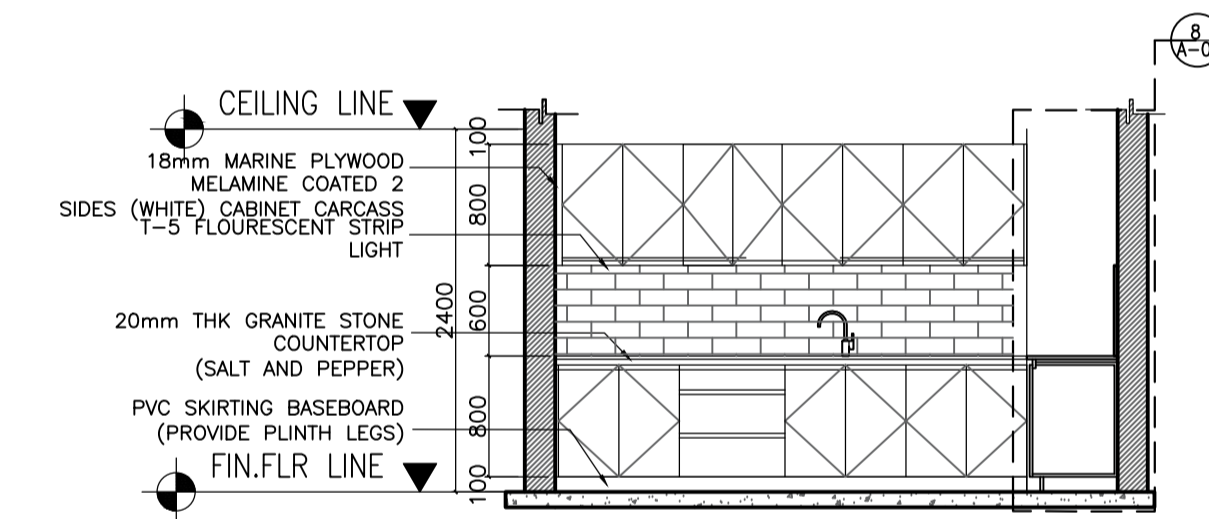
**E** ACADEMIC BUILDING II - PANTRY  
**PANTRY BLOW-UP PLAN**  
 A-32 SCALE: 1:50m



**F** ACADEMIC BUILDING II - PANTRY  
**SECTION THRU - A**  
 A-32 SCALE: 1:50m



**E** ACADEMIC BUILDING II - PANTRY  
**REFLECTED CEILING PLAN**  
 A-32 SCALE: 1:50m



**G** ACADEMIC BUILDING II - PANTRY  
**SECTION THRU - A**  
 A-32 SCALE: 1:50m

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT  
 PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

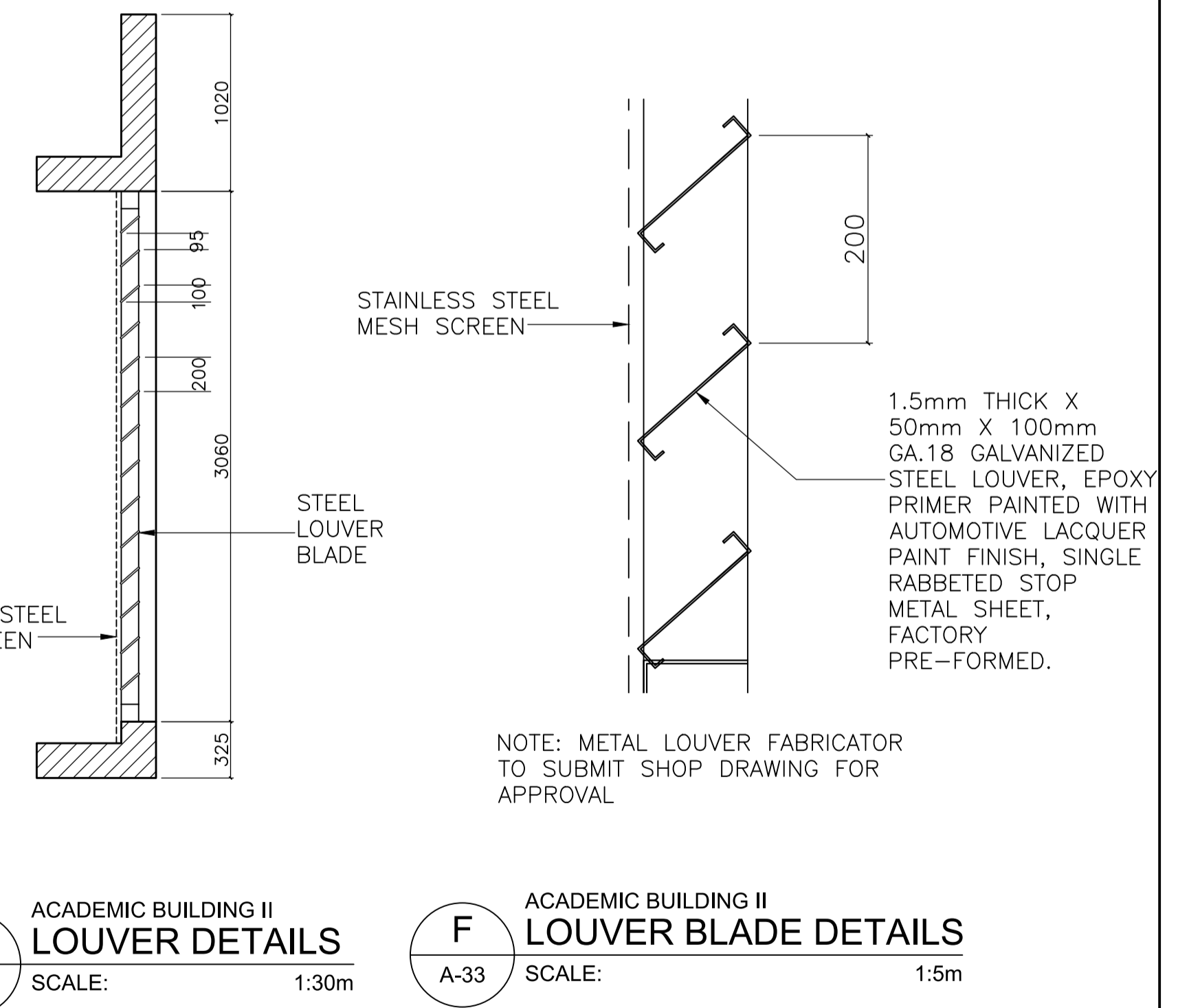
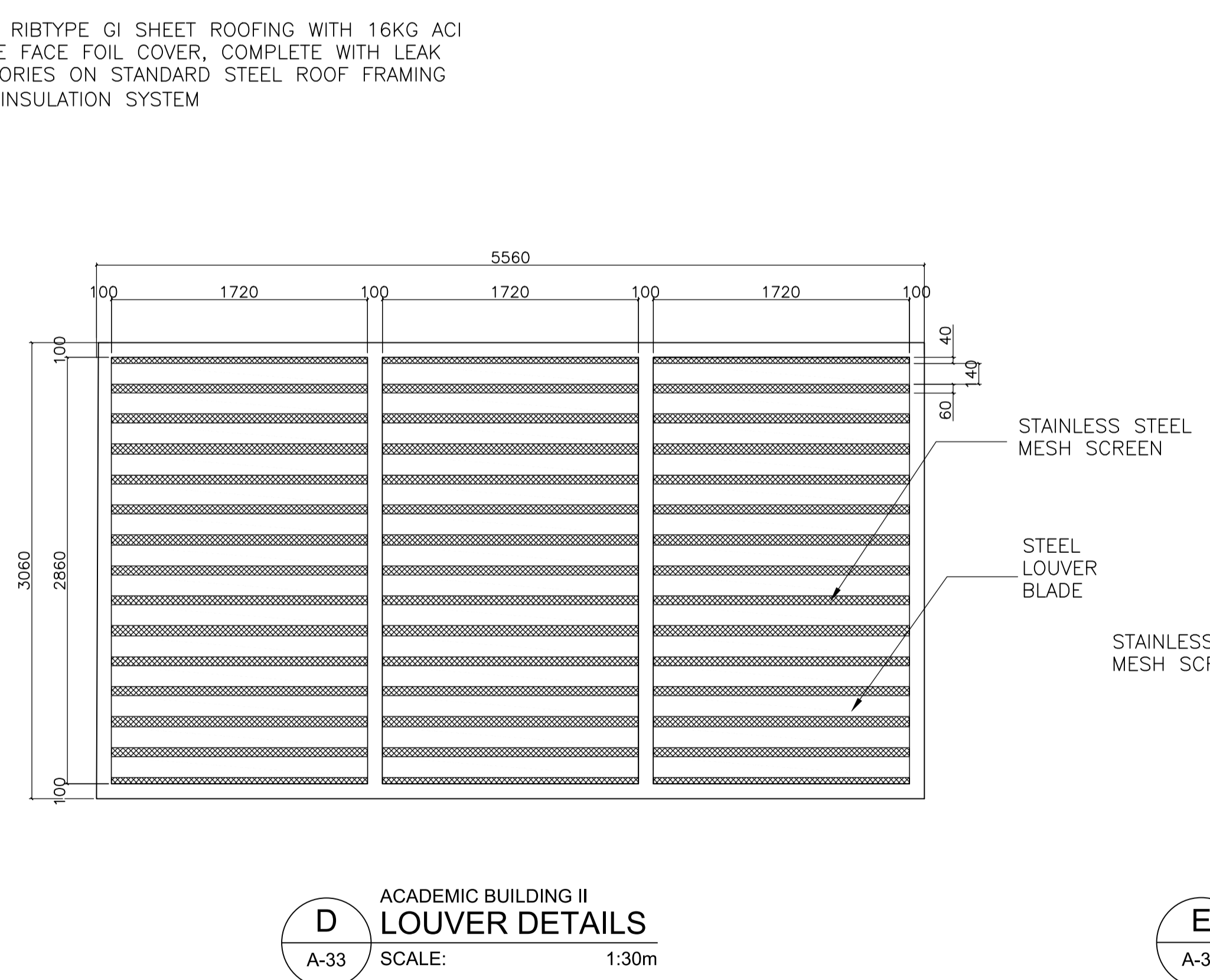
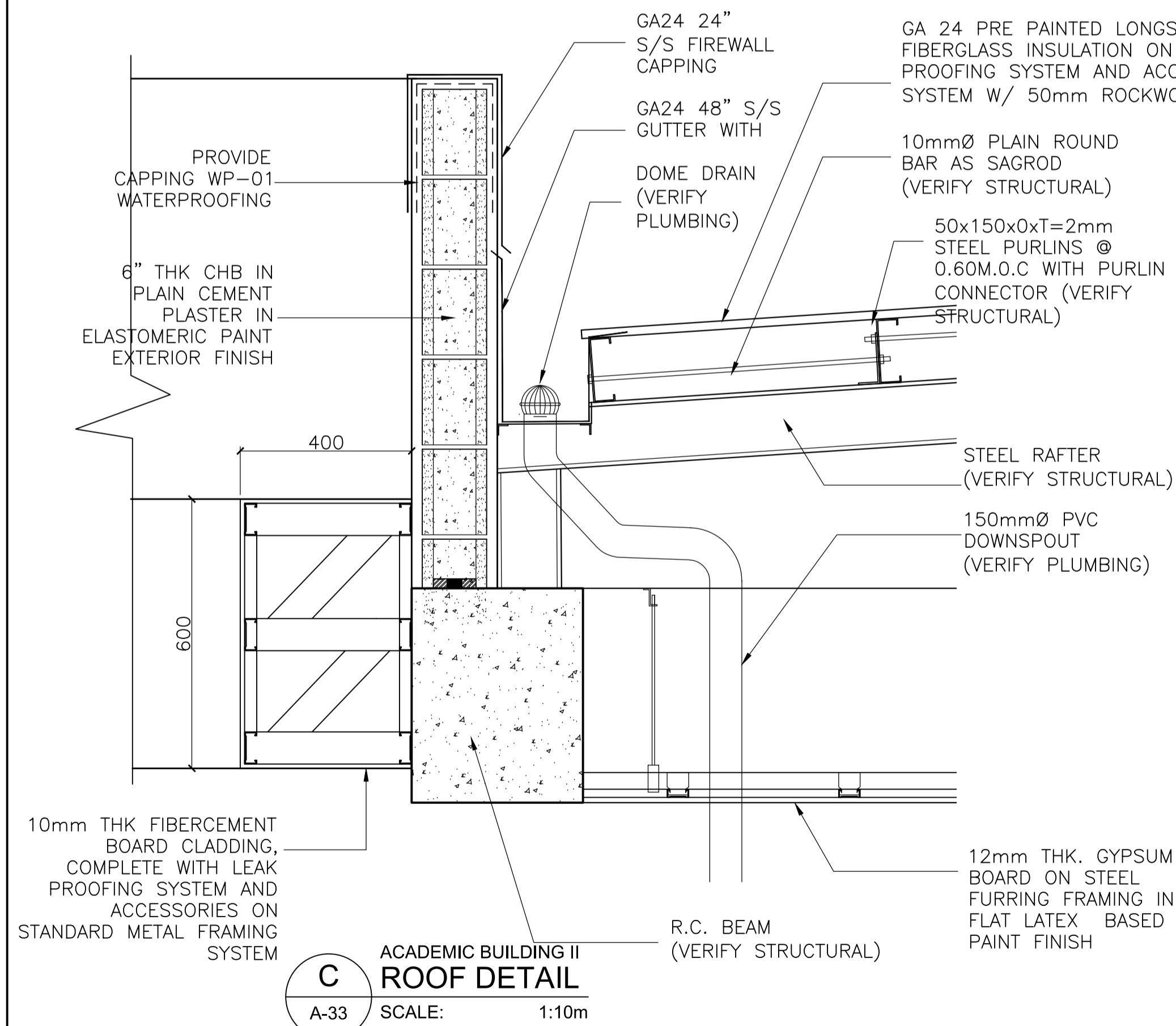
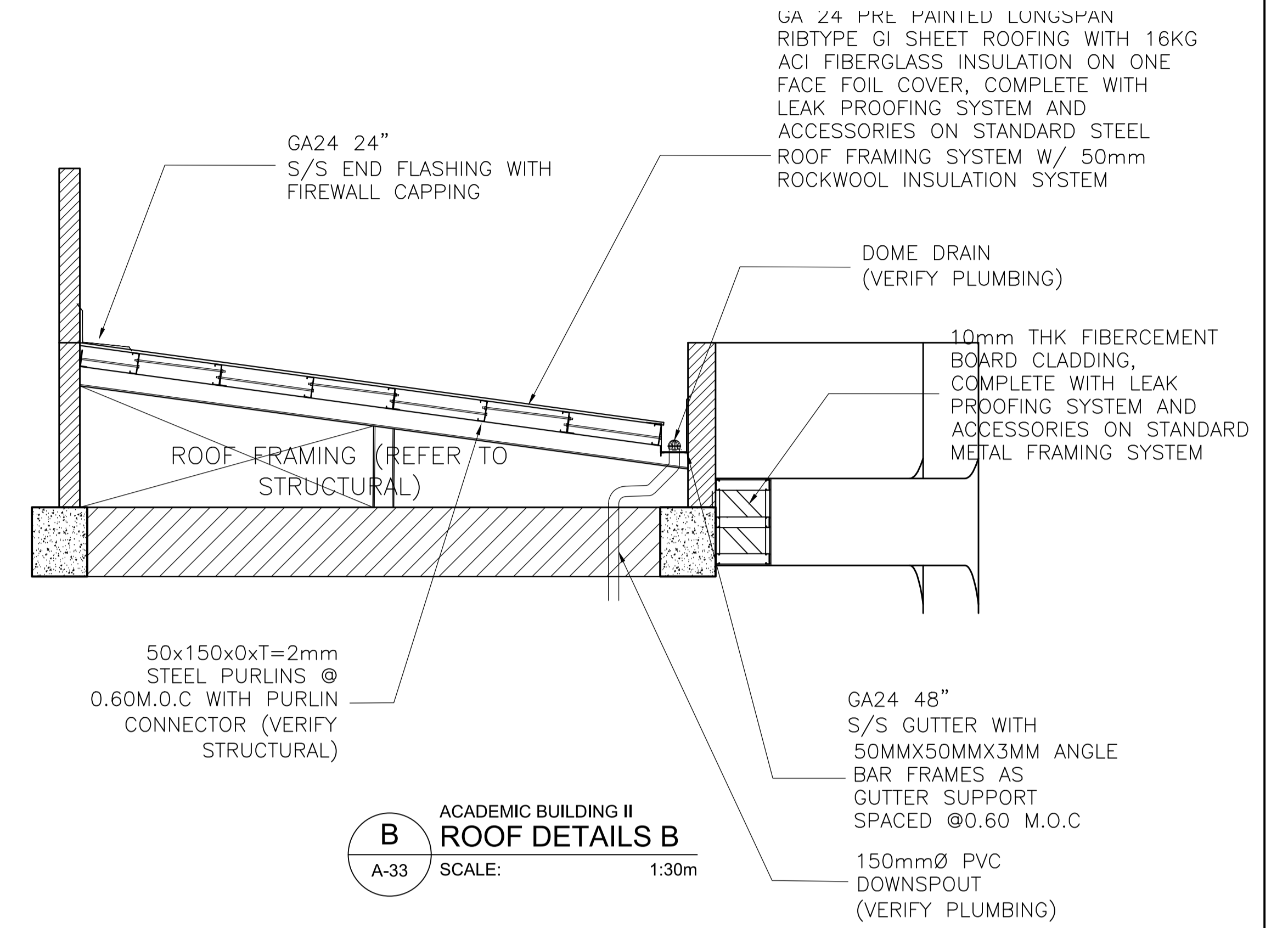
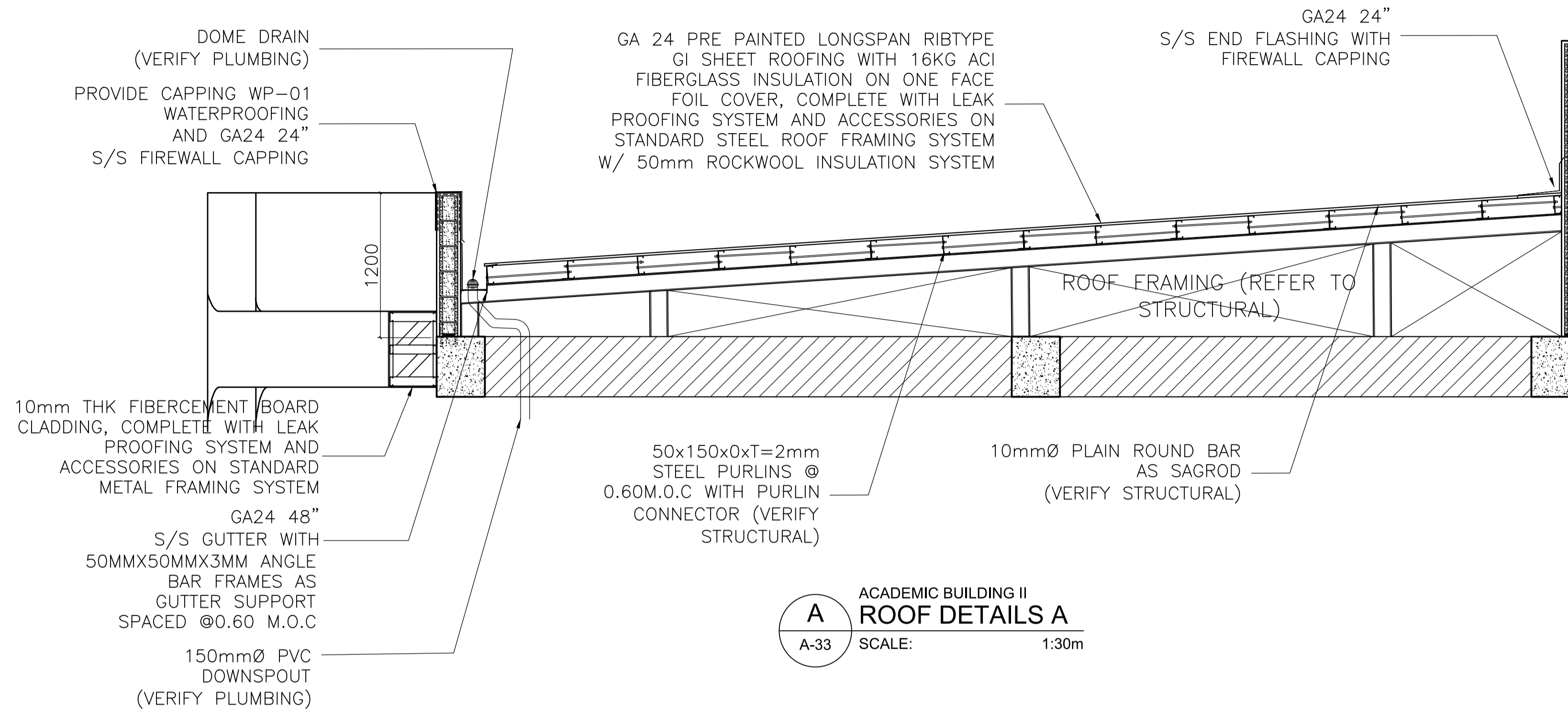
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 MALE AND FEMALE W/ SHOWER TOILET DETAILS  
 PLANS AND SECTION  
 PANTRY DETAIL

SHEET NO:  
**A**  
 32 37



NOTE: ROOFING CONTRACTOR TO SUBMIT SHOP DRAWING FOR APPROVAL



**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORON HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 420 7000;  
420 9000/04  
FAX NOS: 927 0608;  
426 7214

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
PTR No. 0732073 Date: 01/11/2021  
Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

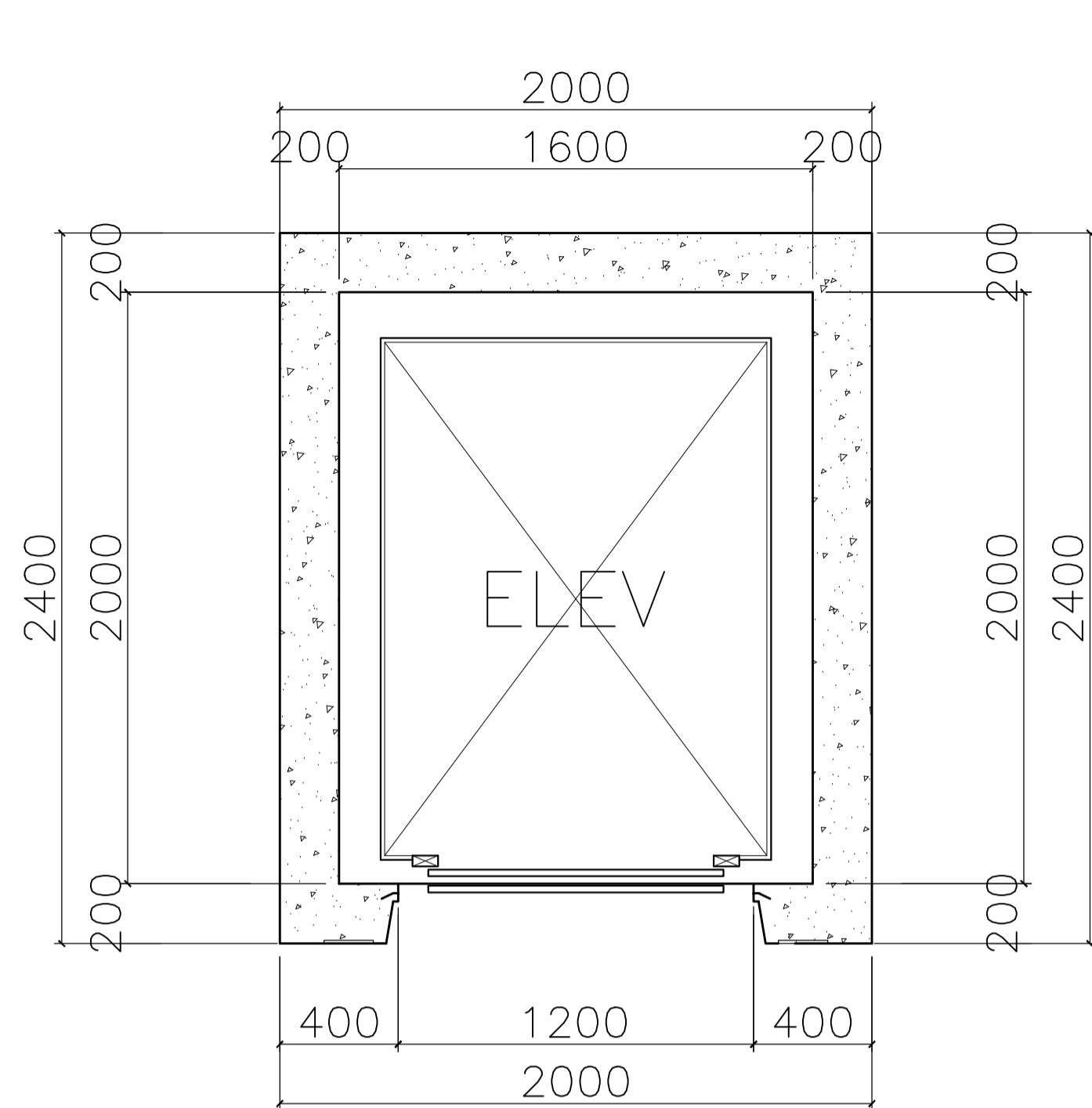
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

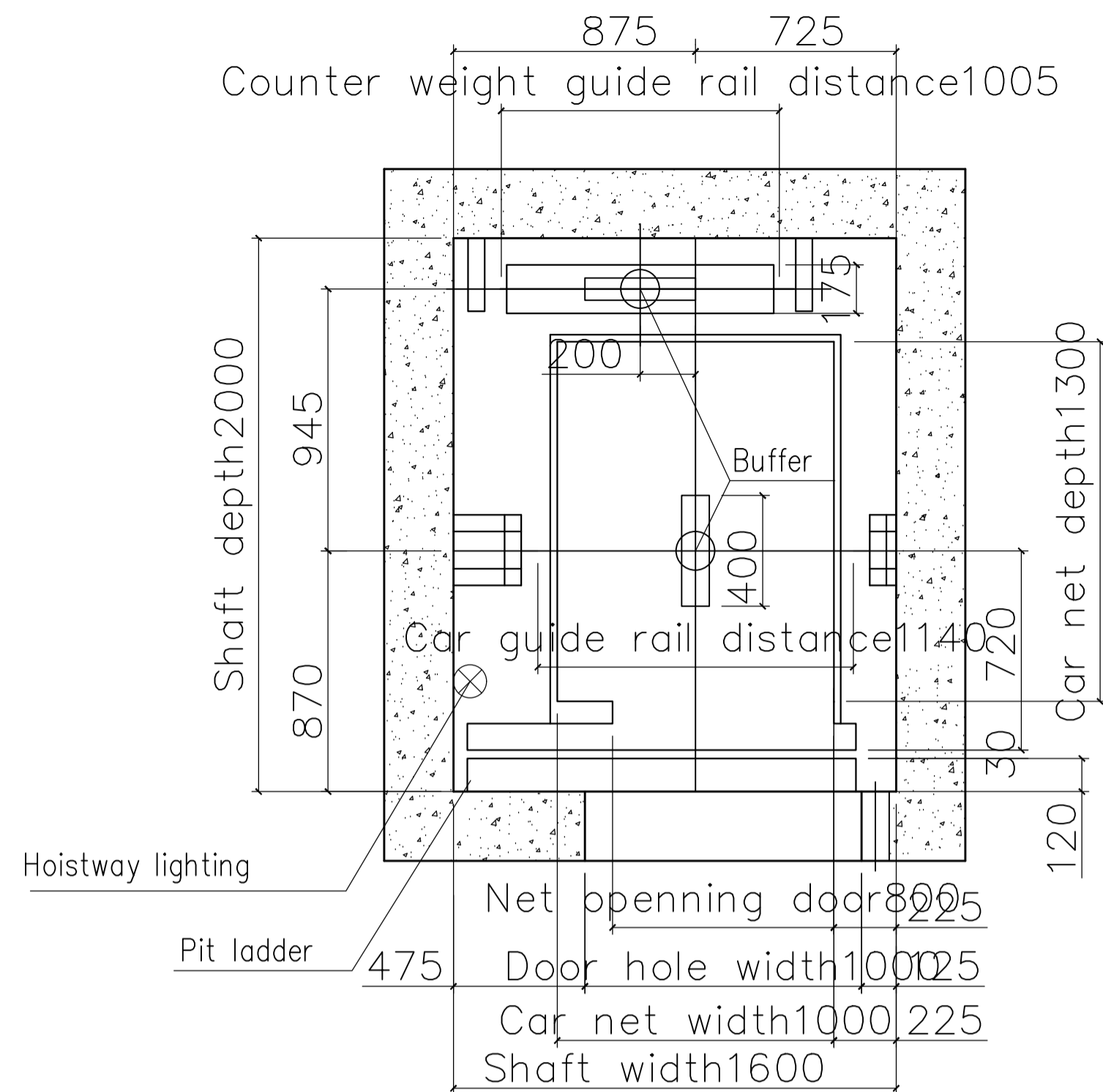
SHEET CONTENTS:  
ROOF DETAILS  
LOUVER DETAILS

SHEET NO:  
**A**  
33 37

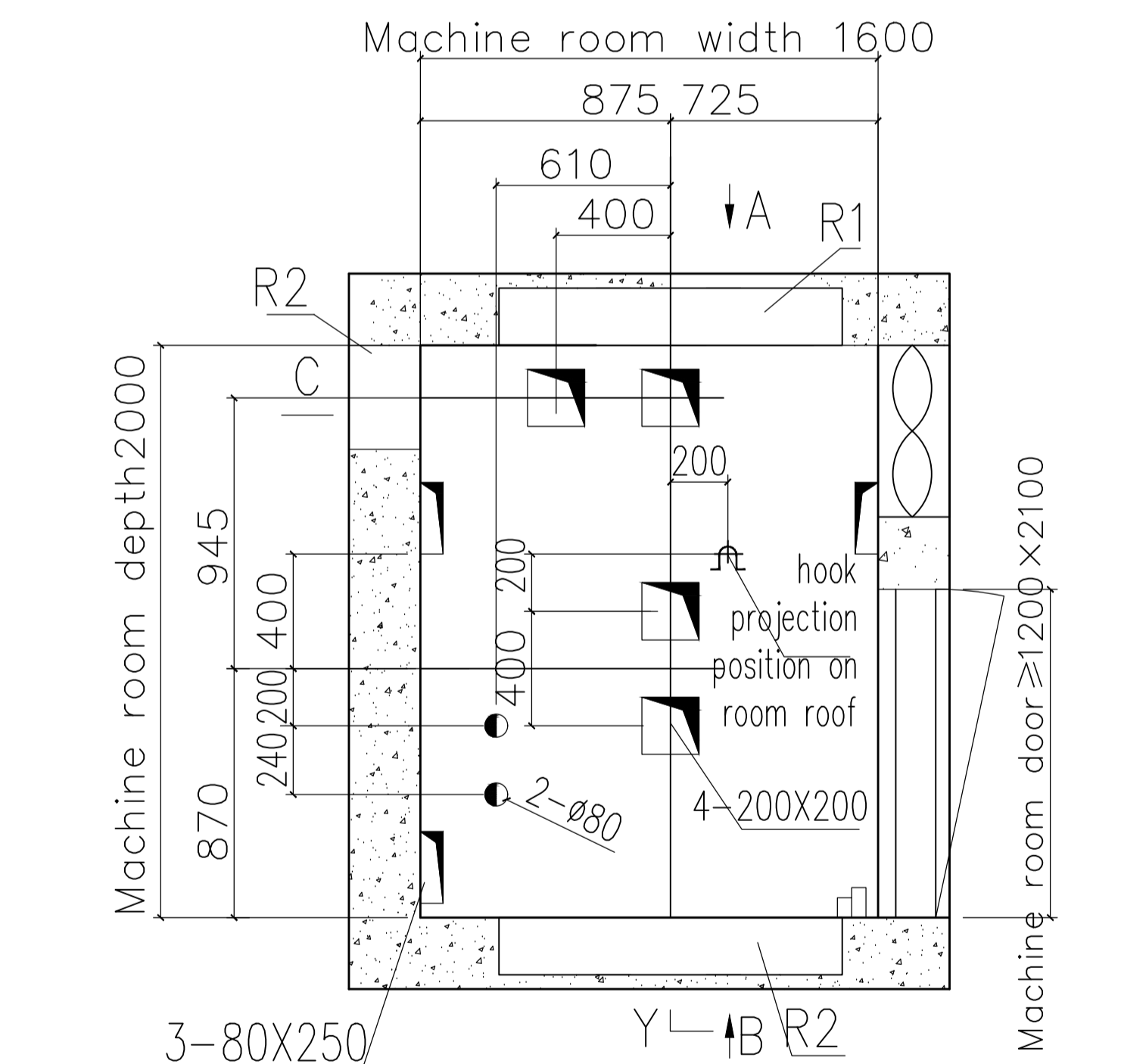




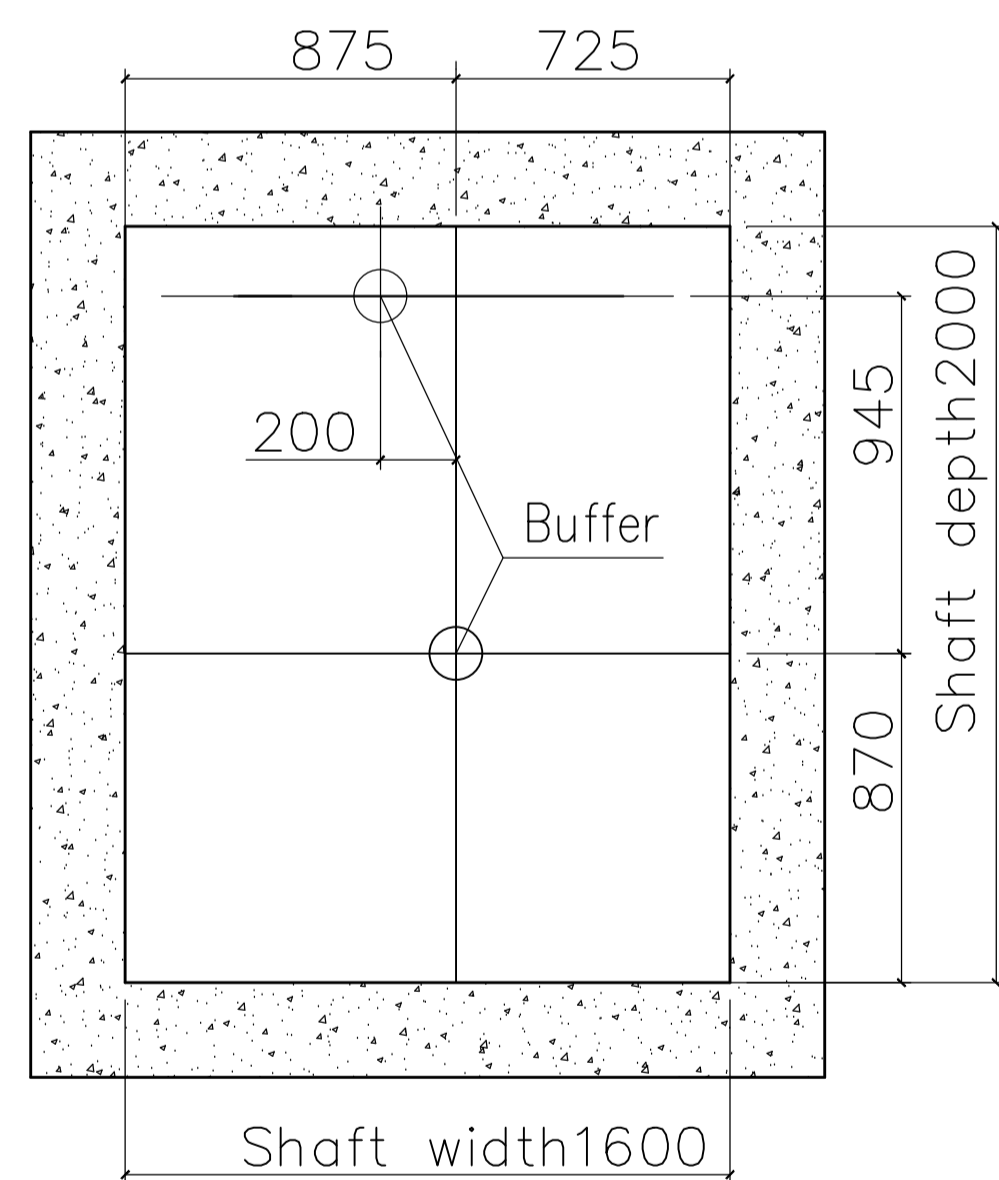
**A** ACADEMIC BUILDING II  
**BLOW-UP PLAN**  
A-34 SCALE: 1:20m



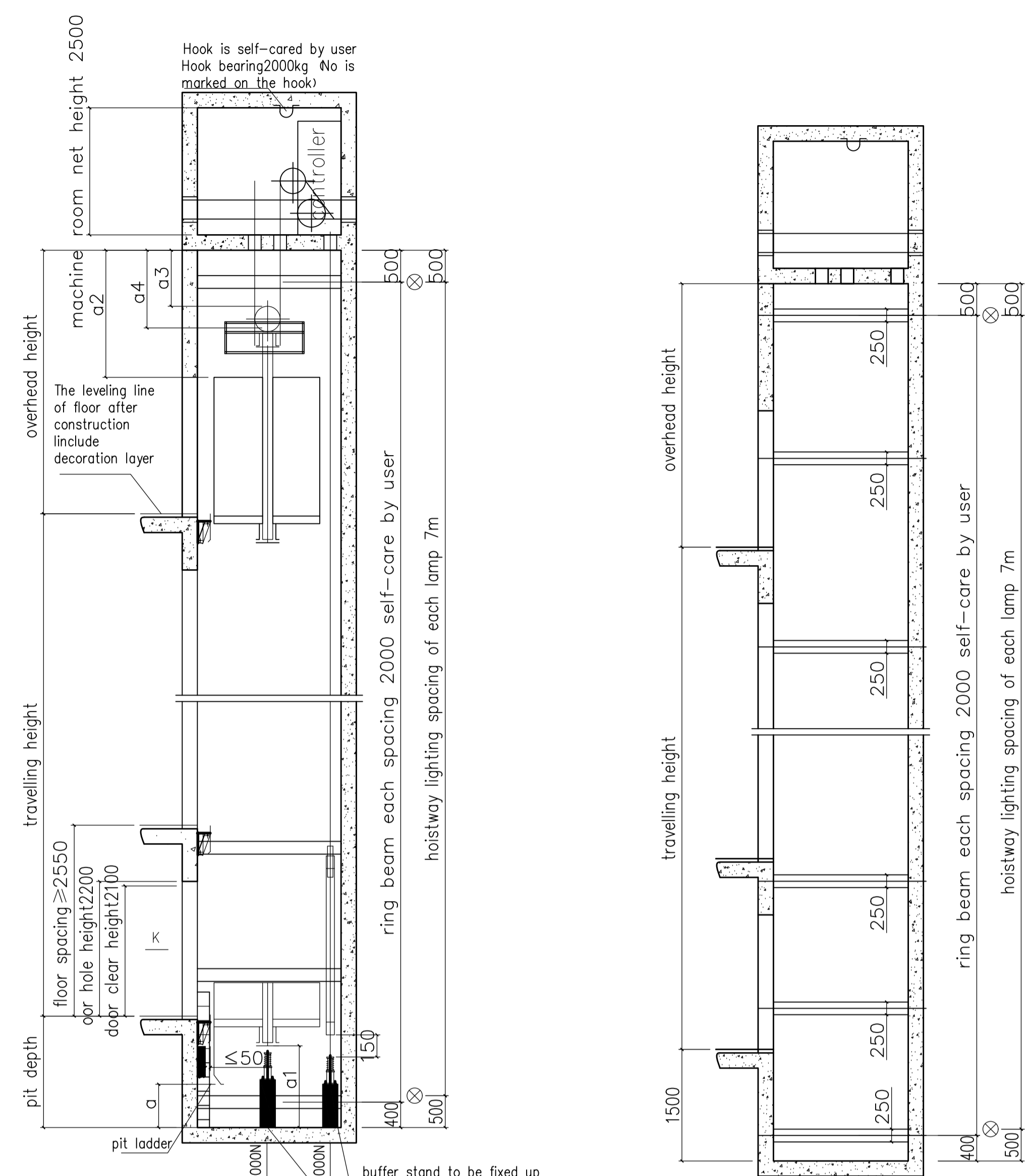
**B** ACADEMIC BUILDING II  
**HOISTWAY LAYOUT**  
A-34 SCALE: 1:20m



**C** ACADEMIC BUILDING II  
**TOP FLOOR RESERVED HOLE HOOK LAYOUT**  
A-34 SCALE: 1:20m

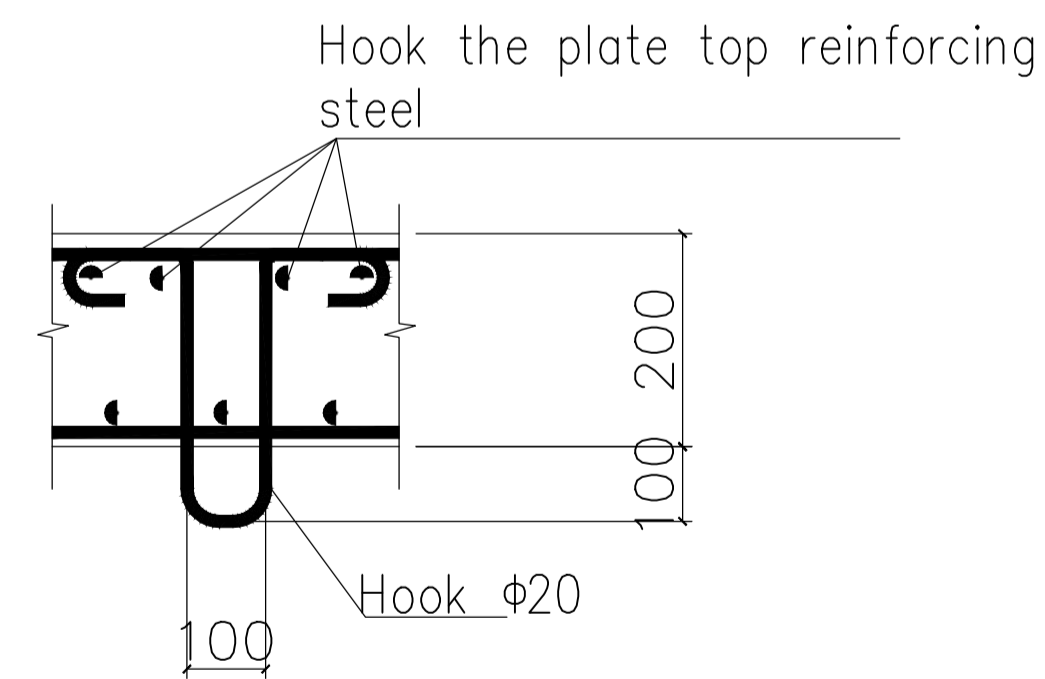


**D** ACADEMIC BUILDING II  
**BUFFER LAYOUT**  
A-34 SCALE: 1:20m

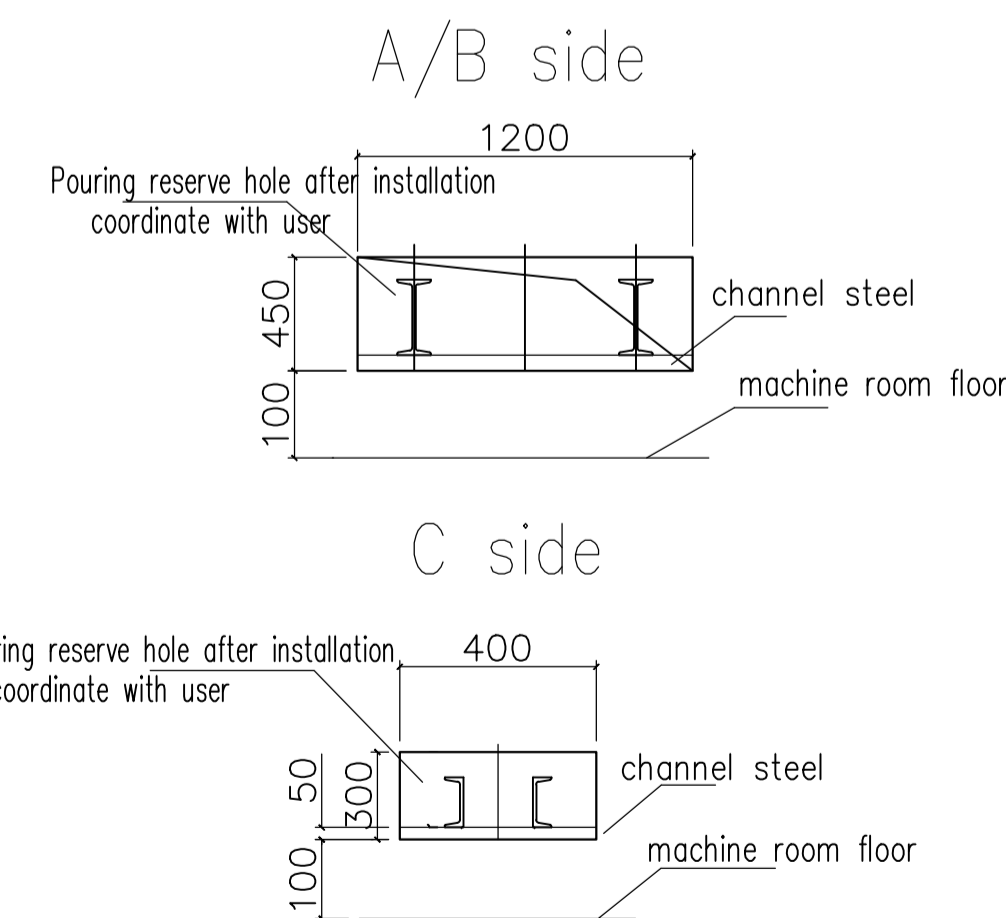


**E** ACADEMIC BUILDING II  
**HOISTWAY ELEVATIONAL DRAWING (Y-Y)**  
A-34 SCALE: 1:30m

**F** ACADEMIC BUILDING II  
**HOISTWAY BRACKET BEAM LAYOUT**  
A-34 SCALE: 1:30m



Hook by user. The strength ensure by the construction side. The construction side should according to the local requirements ensure the hook performance



**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
ARCHITECT  
PRC No. 17726 Validity: 04/27/2024  
PTR No. 0732073 Date: 01/11/2021  
Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPLICATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
**REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS**

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
ELEVATOR DETAILS

SHEET NO:  
**A**  
34 37







PROPOSED ACADEMIC BUILDING II							
Brgy. Rizal, Odiangan, Romblon							
SCHEDULE OF FINISHES							
05/26/2021							
ROOM TAG	AREA	FLOOR	FINISHES		CEILING		
			WALL				
<b>BASEMENT FLOOR</b>							
BF-01	Basement Lobby	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-02	Faculty Room	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-03	Discussion Room	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-04	Pantry	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-05	Lounge Area	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-06	Fire Exit 1	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH
BF-07	Sleeping Room (Male)	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-08	Sleeping Room (Female)	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-09	Fitness Room	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-10	Gender & Development (GAD)	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
BF-11	Toilet (Male)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
BF-12	Toilet (Female)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
BF-13	Main Stairs	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH
<b>GROUND FLOOR</b>							
GF-01	Entrance Lobby	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-02	12mm THK GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX BASED PAINT FINISH
GF-02	Faculty Room	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH

PROPOSED ACADEMIC BUILDING II							
Brgy. Rizal, Odiangan, Romblon							
SCHEDULE OF FINISHES							
05/26/2021							
ROOM TAG	AREA	FLOOR	FINISHES		CEILING		
			WALL				
GF-03	Discussion Room	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-04	Female Toilet (Faculty Room)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
GF-05	Male Toilet (Faculty Room)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
GF-06	Storage	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-07	Fire Exit 1	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH
GF-08	Library	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-09	Male Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
GF-10	PWD Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
GF-11	Female Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
GF-12	EE Room / Utility Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-13	Records Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-14	Stockroom Supplies	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-15	Reproduction Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-16	Fire Exit 2	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH
GF-17	Student Discipline Head	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH

PROPOSED ACADEMIC BUILDING II							
Brgy. Rizal, Odiangan, Romblon							
SCHEDULE OF FINISHES							
05/26/2021							
ROOM TAG	AREA	FLOOR	FINISHES		CEILING		
			WALL				
GF-18	Toilet (SD Head)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
GF-19	Counseling Room	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-20	Office of the Student Discipline	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-21	Student Service Division (SSD)	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-22	Sleeping Room (SSD)	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-23	Toilet (SSD)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
GF-24	Toilet (CID)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
GF-25	SSD Head Office	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-26	CID Head Office	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-27	Sleeping room (CID)	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-28	Curriculum & Instruction Division	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-29	Conference Room	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-30	Mechanical Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
GF-31	EE Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS


ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT

PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

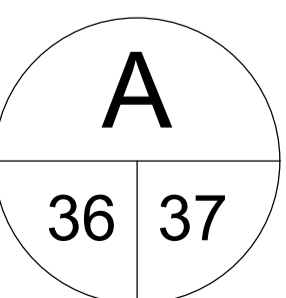
LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 ELEVATOR DETAILS

SHEET NO:  




PROPOSED ACADEMIC BUILDING II							
Brgy.Rizal, Odiangan, Romblon							
SCHEDULE OF FINISHES							
05/26/2021							
ROOM TAG	AREA	FLOOR	FINISHES		CEILING		
SECOND FLOOR							
2F-01	Hallway	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-01	12mm THK GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX BASED PAINT FINISH
2F-02	Faculty Room	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-03	Discussion Room	FF-01	600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-04	Female Toilet (Faculty Room)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
2F-05	Male Toilet (Faculty Room)	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
2F-06	Classroom 1	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-07	Fire Exit 1	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH
2F-08	Classroom 2	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-09	Male Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
2F-10	PWD Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
2F-11	Female Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
2F-12	Classroom 3	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-13	Classroom 4	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-14	Classroom 5	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-15	Fire Exit 2	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH

PROPOSED ACADEMIC BUILDING II							
Brgy.Rizal, Odiangan, Romblon							
SCHEDULE OF FINISHES							
05/26/2021							
ROOM TAG	AREA	FLOOR	FINISHES		CEILING		
THIRD FLOOR							
2F-16	Classroom 6	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-17	Mechanical Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
2F-18	EE Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-01	Hallway	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-01	12mm THK GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX BASED PAINT FINISH
3F-02	Technology & Innovation	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-03	Design & Engineering	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-04	Classroom 7	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-05	Fire Exit 1	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH
3F-06	Classroom 8	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-07	Male Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
3F-08	PWD Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
3F-09	Female Toilet	FF-02	300mmX300mm HOMOGENOUS TILES (NON-SKID)	WF-03	300mmX300mm HOMOGENOUS TILES (NON-SKID)	CF-02	12mm THK SAG-RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH
3F-10	Classroom 12	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-11	Fire Exit 2	FF-03	50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH
3F-12	Classroom 11	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-13	Classroom 10	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH

PROPOSED ACADEMIC BUILDING II							
Brgy.Rizal, Odiangan, Romblon							
SCHEDULE OF FINISHES							
05/26/2021							
ROOM TAG	AREA	FLOOR	FINISHES		CEILING		
ROOF DECK							
3F-14	Classroom 9	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-15	Mechanical Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
3F-16	EE Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
RD-01	Mechanical Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
RD-02	EE Room	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-01	PLAIN CEMENT PLASTER WALL IN SEMI-GLOSS LATEX PAINT FINISH	CF-03	SLAB SOFFIT IN LATEX PAINT FINISH
RD-03	Main Stairs	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	WF-02	PLAIN CEMENT PLASTER IN ELASTOMERIC PAINT EXTERIOR FINISH	CF-04	STAIR SOFFIT IN LATEX PAINT FINISH
RD-04	DECK	FF-04	50mm THK SMOOTH FINISH CONCRETE TOPPING	N/A	N/A	N/A	N/A

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT:  
**HENRY STEVE R. OLONAN**  
 ARCHITECT  
 PRC No. 17726 Validity: 04/27/2024  
 PTR No. 0732073 Date: 01/11/2021  
 Place: QUEZON CITY TIN: 106186110

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

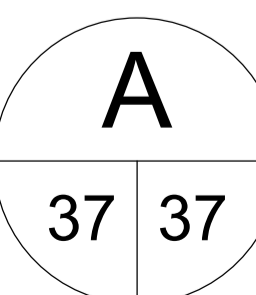
PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 ELEVATOR DETAILS

SHEET NO:  




# STRUCTURAL NOTES

- ALL STRUCTURAL MILL SECTIONS, BUILT UP PLATE SECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC'S LATEST "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- DESIGN LOADS FOR BUILDINGS SHALL MEET THE REQUIRED STRUCTURAL DESIGN CRITERIA.
- STEEL PLATES, SHAPES, BARS AND METAL FABRICATIONS: ASTM A-36.
- STRUCTURAL BOLTS AND NUTS:  
ASTM A-325, GALVANIZED. 7/8  $\phi$  AND BELOW.  
A-490 1"  $\phi$  AND ABOVE.
- ELECTRODES FOR WELDING: ASTM A233 E-70XX SERIES; COMPLY WITH AWS D1.1 CODE REQUIREMENTS.
- FLAME CUTTING AND WELDING SHALL BE DONE IN ACCORDANCE WITH LATEST "STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.
- ALL BUTT WELDS SHALL BE FULL PENETRATION WELDS AND SHALL BE PROPERLY BACK-CHIPPED OR GOUGED. BACK-UP PLATES SHALL BE PROVIDED AS REQUIRED.
- APPLY TT-P-645 SHOP PAINT FOR ALL FABRICATIONS.
- SHOP PAINTING FOR STRUCTURAL STEEL SHALL BE RUST INHIBITIVE PRIMER WITH MINIMUM D.F.T. OF 2.0 MILS.
- TOUCH-UP PAINTING: APPLY PAINT TO EXPOSED AREAS IN MANNER SATISFACTORY TO THE ENGINEER WITH SAME MATERIAL AS SHOP PAINT.
- COMPLY WITH AISC CODE AND SPECIFICATIONS FOR BEARING, ADEQUACY OF TEMPORARY CONNECTIONS AND ALIGNMENT.
- CONTRACTOR SHALL FURNISH COMPLETE ERECTION DRAWINGS FOR THE PROPER IDENTIFICATION AND ASSEMBLY OF ALL BUILDING COMPONENTS. THESE DRAWINGS WILL SHOW ANCHOR BOLT SETTING, PRIMARY SECONDARY, AND ROOF FRAMING, AND NECESSARY INSTALLATION DETAILS. SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION.
- APPLICATION OF FIRE PROOFING SYSTEM IS REQUIRED FOR ALL STRUCTURAL STEEL MEMBERS. PROVIDE 2 HOUR MINIMUM FIRE RATING. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR ADDITIONAL FIRE PROOFING REQUIREMENTS.

## STRUCTURAL STEEL NOTES 1

### SCHEDULE OF REINFORCING BARS

DIAMETER OF BARS	GRADE (fy)	ASTM
#10 AND SMALLER	GRADE 40 (40,000psi)	A615/A615M (DEFORMED)
#12 AND LARGER	GRADE 60 (60,000psi)	A615/A615M (DEFORMED)

- BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- ALL GRADE 60 REINFORCING STEEL SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REINF. STEEL IF CONCURRENTLY ON SITE.
- IN GENERAL, BAR SPLICES SHALL BE MADE AT POINTS OF MINIMUM STRESS. SPLICES SHALL BE SECURELY WIRED TOGETHER. STAGGER SPLICES AT LEAST 600mm WHENEVER POSSIBLE IN BEAM BEAMS AND SLABS SPLICE TOP BARS AT MIDSPAN AND BOTTOM BAR NEAR SUPPORT. SPLICE OF REINFORCEMENT SHALL BE MADE ONLY AS REQUIRED OR PERMITTED ON DESIGN DRAWINGS OR AS ALLOWED BY THE ACI CODE OR AS AUTHORIZED BY THE ENGINEER.
- BARS NOTED AS "CONT." SHALL HAVE A MINIMUM SPLICE LENGTH OF 42 BAR DIA. BUT BAR DIAMETERS BUT NOT LESS THAN 600 mm", UNLESS OTHERWISE NOTED.
- REINFORCING SHALL BE SPLICED ONLY AS INDICATED ON THE DRAWINGS.
- MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE :

ITEM	COVER
CONCRETE CAST AGAINST EARTH EXPOSED TO EXTERIOR OF WEATHER	75 mm
FORMED SURFACE BELOW GRADE	38 mm
SLAB ON GRADE	50 mm
COLUMNS & BEAMS	50 mm
STRUCTURAL SLABS TOP & BOT.(INTERIOR)	38 mm

- ANY WELDING TO BE PERFORMED MUST HAVE PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4-79 "AWS STRUCTURAL WELDING CODE - REINFORCING STEEL" OF THE AMERICAN WELDING SOCIETY REINFORCING STEEL WHICH IS WELDED SHALL CONFORM TO ASTM A 706. REINFORCING STEEL NOT CONFORMING TO ASTM A 706 MAY BE USED IF MATERIAL PROPERTIES OF THE REINFORCING STEEL CONFORM TO AWS D1.4-79.
- WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A-185. WELDE WIRE FABRIC IN SUSPENDED SLABS SHALL HAVE FY = 60 KSI. LAP 152 MM. MINIMUM OR ONE FULL MESS, WHICHEVER IS GREATER FOR SLABS ON GRADE.
- SHOP DRAWINGS : THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL PREPARED IN ACCORDANCE WITH ACI 315. INDICATE BENDING DIAGRAM, ASSEMBLY DIAGRAM, SPLICING AND LAPS OF RODS AND SHAPES DIMENSIONS AND DETAILS FOR FOR REINFORCING BARS.
- ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.

## REINFORCING STEEL

- FORMS SHALL BE PROVIDED FOR ALL CONCRETE INDICATED UNLESS SPECIFIED OTHERWISE. FORMS SHALL BE SET TRUE TO LINE AND GRADE AND MAINTAINED SO AS TO INSURE COMPLETED WORK WITHIN THE ALLOWABLE TOLERANCES SPECIFIED AND SHALL BE MORTAR TIGHT.
- FORMS AND THEIR SUPPORTS SHALL BE DESIGNED SO AS NOT TO DAMAGE PREVIOUSLY PLACED STRUCTURE.
- NO CONSTRUCTION LOAD SHALL BE SUPPORTED ON, NOR ANY SHORING REMOVED FROM ANY PART OF STRUCTURE UNDER CONSTRUCTION EXCEPT WHEN THAT PORTION OF THE STRUCTURE IN COMBINATION WITH THE REMAINING FORMING AND SHORING SYSTEM HAS STRENGTH TO SUPPORT SAFELY ITS WEIGHT AND THE ADDITIONAL IMPOSED LOADS.
- FORMS SHALL BE REMOVED IN SUCH MANNER AS NOT TO IMPAIR SAFETY AND SERVICE ABILITY OF THE STRUCTURE.

### SCHEDULE OF STRIPPING OF FORMS AND SHORES

ITEMS	TIME
FOUNDATION	24 HRS
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	14 DAYS
COLUMN / WALLS	12 DAYS
BEAMS	14 DAYS

## FORMWORKS

### SCHEDULE OF STRUCTURAL CONCRETE 28-DAY COMPRESSIVE STRENGTH AND TYPES

LOCATION	STRUCTURAL ELEMENTS	28-DAY COMPRESSIVE STRENGTH	DENSITY	MAX SLUMP
ALL FLOORS	COLUMNS BEAMS SLABS SHEAR WALL	4000 psi (UNLESS NOTED OTHERWISE)	150 PCF	4"(100mm)
FOUNDATION	FOOTING	4000	150 PCF	4"(100mm)
GROUND	SLAB ON GRADE	3000 psi	150 PCF	4"(100mm)

- INFORM ARCHITECT/ENGINEERS OF OTHER MISCELLANEOUS CONCRETE STRUCTURAL ELEMENTS NOT SHOWN ABOVE TO DETERMINE THEIR RESPECTIVE COMPRESSIVE STRENGTHS.

### SCHEDULE OF CONCRETE AGGREGATES

ITEMS	AGGREGATE SIZE
SLABS, BEAMS, COLUMNS	3/4" ( 19 mm )
CURBS & MASS CONCRETE	1" ( 25 mm )

- ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION CODE OF THE AMERICAN CONCRETE INSTITUTE (ACI 318 -91).

LOCATION OF ALL CONSTRUCTION OR COLD JOINTS MUST BE APPROVED BY THE ENGINEER / ARCHITECT.

PIPE OR DUCTS EXCEEDING ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.

REINFORCING BARS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURED IN PLACED BEFORE POURING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDED ACI PRACTICE.

- ALL INSERTS. ANCHOR BOLTS, PLATES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE HOT DIP GALVANIZED UNLESS NOTED OTHERWISE.

- IN GENERAL, THE LATEST EDITION OF (MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES ) ACI 315, SHALL BE ADHERED TO, UNLESS SHOWN OTHERWISE.

- USE OF ADMIXTURES IS PERMITTED TO PRODUCE PROPER SLUMP AND WORKABILITY BUT SUBJECT TO THE ENGINEER'S APPROVAL ADDITION OF WATER TO CONCRETE AT JOBSITE IS NOT ALLOWED.

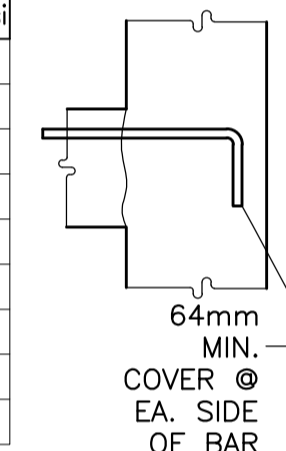
## REINFORCED CONC. NOTES

- GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS SHALL APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED.
- FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT FOR SIMILAR CONDITIONS. MODIFY TYPICAL DETAILS AS REQUIRED TO MEET SPECIAL CONDITIONS.
- THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK OR DURING CONSTRUCTION.

- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST APPLICABLE STANDARDS OR SPECIFICATIONS. ALL WORKS SHALL CONFORM WITH THE BEST PRACTICE PREVAILING IN THE VARIOUS TRADES.
- INSPECTION-ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER/ARCHITECT. THE ENGINEER/ARCHITECT SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.
- UNLESS SPECIFICALLY DETAILED ELSEWHERE CONTRACTOR SHALL FOLLOW TYPICAL DETAILS AS SHOWN IN THESE DRAWINGS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO INSURE THE INSTALLATION OF ALL WORK WITHIN THE AVAILABLE SPACE.
- DO NOT SCALE DRAWINGS, CALLED-OUT DIMENSIONS AND STANDARD CODE REQUIREMENTS SHALL GOVERN OVER UNSCALED DRAWINGS.
- SPECIAL NOTE: DIMENSIONS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. ARCHITECTURAL DRAWINGS SHALL BE USED TO DEFINE DETAIL CONFIGURATIONS, ELEVATIONS, OPENINGS, JOINTS, SLOPES, ETC.
- THE CONTRACTOR IS GIVEN THE OPTION TO UTILIZE ALTERNATIVE METHODS OF DESIGN AND ALTERNATIVE METHOD OF CONSTRUCTION AS DEEMED SUITABLE PROVIDE THAT SUCH OPTION IS IN CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND IS COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS.

## GENERAL NOTES

BAR SIZE	ALL MEMBERS U.N.O.						CONCRETE WALLS AND DIAPHRAGMS					
	Fc' = 3000psi	Fc' = 4000psi	Fc' = 5000psi	Fc' = 3000psi	Fc' = 4000psi	Fc' = 5000psi	Fc' = 3000psi	Fc' = 4000psi	Fc' = 5000psi	Fc' = 3000psi	Fc' = 4000psi	Fc' = 5000psi
10	6	6	6	7	6	6	6	6	6	6	6	6
12	8	7	6	9	8	7	8	7	6	7	6	7
16	10	9	8	11	10	9	10	9	8	9	8	9
20	12	10	9	13	11	10	11	10	9	10	9	10
22	14	12	11	15	13	12	13	12	11	12	11	12
25	16	14	12	17	15	14	15	14	13	14	13	14
28	18	15	14	20	17	15	17	15	14	15	14	15
32	20	17	16	22	19	17	19	17	16	17	16	17
36	22	19	17	24	21	19	21	19	18	19	18	19



- THESE DEVELOPMENT LENGTHS APPLY TO REGULAR WEIGHT CONCRETE MULTIPLY THE SPECIFIED DEVELOPMENT LENGTH BY 1.3 FOR LIGHTWEIGHT CONCRETE.
- THE DEVELOPMENT LENGTHS SPECIFIED FOR "CONCRETE WALLS & DIAPHRAGMS" ARE APPLICABLE IF THE HOOKED BAR IS WITHIN THE CONFINED CONCRETE CORE OF A BOUNDARY MEMBER.
- REFER TO SECTION FOR ADD'L. REQUIREMENTS FOR "ALL OTHER MEMBERS".

## HOOKED BAR DEVELOPMENT LENGTH (Ld) SCHEDULE

- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 300mm CONCRETE CAST IN THE MEMBER BELOW THE REINFORCEMENT.
- THESE BAR DEVELOPMENT LENGTHS APPLY TO REGULAR WEIGHT CONCRETE, MULTIPLY THE SPECIFIED DEV'T. LENGTH BY 1.3 FOR LIGHTWEIGHT CONCRETE.
- ALL DETAILING OF REINFORCEMENT SHALL COMPLY WITH THIS SCHEDULE UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE DRAWINGS.
- db INDICATES DIAMETER OF THE BAR.
- LENGTHS SHOWN UNDER CONDITION 1 SHALL BE USED WHERE ANY ONE OF THE FOLLOWING IS SATISFIED:
  - BEAM AND COLUMN BARS WHERE "BAR SPACING 4db".
  - INNER LAYER OF SLAB OR WALL REINFORCEMENT WHERE "BAR SPACING 4db".
  - ANY REINF. WHERE "BAR COVER 2db" AND "BAR SPACING 4db".
- LENGTHS SHOWN UNDER CONDITION 2 SHALL BE USED WHERE "BAR COVER db" OR "BAR SPACING 3db".
- LENGTHS SHOWN UNDER CONDITION 3 SHALL BE USED WHERE CONDITION 1 OR 2 ARE NOT SATISFIED.
- IF "BAR SPACING 6db" AND "BAR COVER 2.5db" USE 80% OF LENGTH SPECIFIED IN SCHEDULE ABOVE.
- A STANDARD HOOK SHALL BE PROVIDED WHERE Ld IS UNATTAINABLE DUE TO SPACE RESTRICTIONS (REFER TO SCHEDULE FOR Ldh).

MEMBER TYPE	CLASS "A" LAP SPICE SCHEDULE (L) (INCHES)																		
	Fc' = 3000 psi				Fc' = 4000 psi				Fc' = 5000 psi										
	CONDITION 1	CONDITION 2	CONDITION 3	CONDITION 1	CONDITION 2	CONDITION 3	CONDITION 1	CONDITION 2	CONDITION 3	CONDITION 1	CONDITION 2	CONDITION 3							
ALL MEMBERS U.N.O.	10	17	13	17	13	17	13	14	12	14	12	14	12	13	12	13	12	13	12
ALL MEMBERS U.N.O.	12	22	17	23	18	22	17	19	15	20	15	19	15	17	13	18	14	17	13
ALL MEMBERS U.N.O.	16	27	21	35	27	27	21	24	18	31	24	24	18	21	16	28	21	21	16
ALL MEMBERS U.N.O.	20	33	25	51	39	36	28	28	22	44	34	31	24	25	20	39	30	28	21
ALL MEMBERS U.N.O.	22	38	29	61	53	48	37	33	25	60	46	42	32	29	23	54	41	38	29
ALL MEMBERS U.N.O.	25	45	35	90	69	63	49	39	30	78	60	55	42	35	27	70	54	49	38
ALL MEMBERS U.N.O.	28	57	44	114	88	80	62	50	38	99	76	69	54	45	34	89	68	62	48
ALL MEMBERS U.N.O.	32	73	56	145	111	101	78	63	49	125	97	88	68	56	43	112	86	79	61
ALL MEMBERS U.N.O.	36	89	69	178	137	125	96	77	60	154	119	108	83	69	53	138	106	97	75
ALL MEMBERS U.N.O.	10	23	16	23	16	23	16	21	15	21	15	21	15	21	15	21	15	21	15
ALL MEMBERS U.N.O.	12	30	22	30	22	30	22	26	19	26	19	26	19	23	17	23	17	23	17
ALL MEMBERS U.N.O.	16	37	27	37	27	37	27	32	23	32	23	32	23	29	21	29	21	29	21
ALL MEMBERS U.N.O.	20	45	32	45	32	45	32	39	28	39	28	39	28	35	25	35	25	35	25
ALL MEMBERS U.N.O.	28	52	37	52	37	52	37	45	32	45	32	45	32	40	29	40	29	40	29
ALL MEMBERS U.N.O.	25	59	43	59	43	59	43	52	37	52	37	52	37	46	33	46	33	46	33
ALL MEMBERS U.N.O.	28	67	48	67	48	67	48	58	42	58	42	58	42	52	37	52	37	52	37
ALL MEMBERS U.N.O.	32	75	54	75	54	75	54	65	47	65	47	65	47	59	42	59	42	59	42
ALL MEMBERS U.N.O.	36	84	60	84	60	84	60	73	52	73	52	73	52	65	47	65	47	65	47

## BAR DEVELOPMENT LENGTH (Ld) SCHEDULE

MEMBER TYPE	CLASS "B" LAP SPICE SCHEDULE (L) (INCHES)																		
	Fc' = 3000 psi				Fc' = 4000 psi				Fc' = 5000 psi										
	CONDITION 1	CONDITION 2	CONDITION 3	CONDITION 1	CONDITION 2	CONDITION 3	CONDITION 1	CONDITION 2	CONDITION 3	CONDITION 1	CONDITION 2	CONDITION 3							
ALL MEMBERS U.N.O.	10	21	17	21	17	21	17	19	16	19	16	19	16	17	16	17	16	17	16
ALL MEMBERS U.N.O.	12	28	22	30	23	28	22	25	19	26	20	25	19	22	17	23	18	22	17
ALL MEMBERS U.N.O.	16	35	27	46	35	35	27	31	24	40	31	31	24	27	21	36	28	27	21
ALL MEMBERS U.N.O.	20	42	33	66	51	46	36	37	28	57	44	40	31	33	25	51	39	36	28
ALL MEMBERS U.N.O.	22	49	38	90	69	63	37	43	33	78	60	54	42	38	29	69	54	49	38
ALL MEMBERS U.N.O.	25	59	45	117	90	82	63	51	39	101	78	71	55	46	35	91	70	64	49
ALL MEMBERS U.N.O.	28	74	57	148	114	104	80	65	50	129	99	90	69	58	45	115	89	81	62
ALL MEMBERS U.N.O.	32	94	73	188	145	132	101	82	63	163	125	114	88	73	56	146	112	102	79
ALL MEMBERS U.N.O.	36	116	89	232	178	162	125	101	77	201	154	141	108	90	69	180	138	126	97
ALL MEMBERS U.N.O.	10	29	21	29	21	29	21	28	20	28	20	28	20	28	20	28	20	28	20
ALL MEMBERS U.N.O.	12	29	28	39	28	39	28	34	24	34	24	34	24	30	22	30	22	30	22
ALL MEMBERS U.N.O.	16	48	35	48	35	48	35	42	30	42	30	42	30	38	27	38	27	38	27
ALL MEMBERS U.N.O.	20	58	42	58	42	58	42	50	36	50	36	50	36	45	32	45	32	45	32
ALL MEMBERS U.N.O.	22	68	48	68	48	68	48	59	42	59	42	59	42	52	38	52	38	52	38
ALL MEMBERS U.N.O.	25	77	55	77	55	77	55	67	48	67	48	67	48	60	43	60	43	60	43
ALL MEMBERS U.N.O.	28	87	62	87	62	87	62	75	54	75	54	75	54	67	48	67	48	67	48
ALL MEMBERS U.N.O.	32	98	70	98	70	98	70	85	61	85	61	85	61	76	54	76	54	76	54
ALL MEMBERS U.N.O.	36	109	78	109	78	109	78												



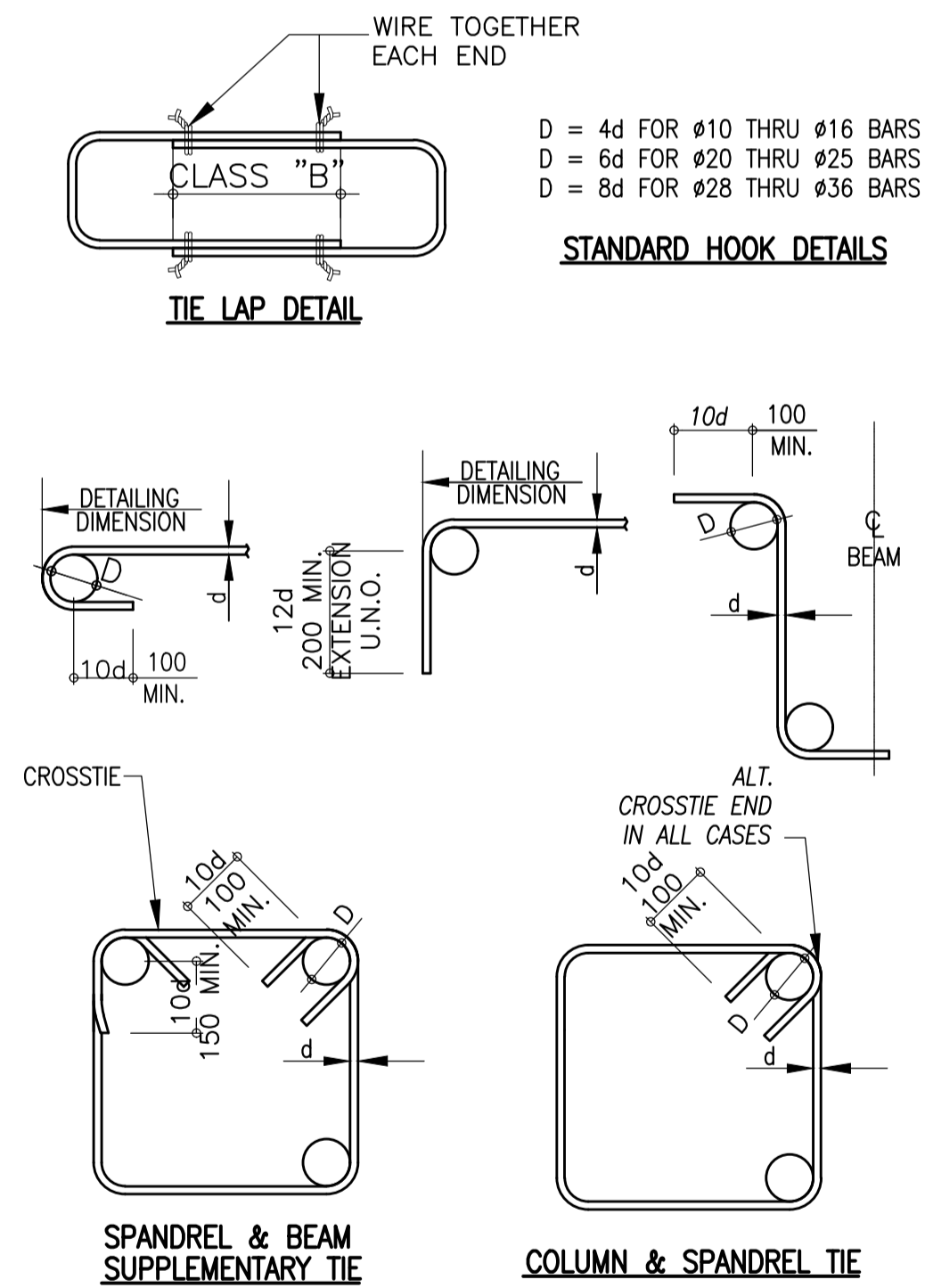
# STRUCTURAL NOTES

MINIMUM 2 WIRE TIES AT ALL SPLICES PROJECTING FROM FOOTINGS, TYPICAL.

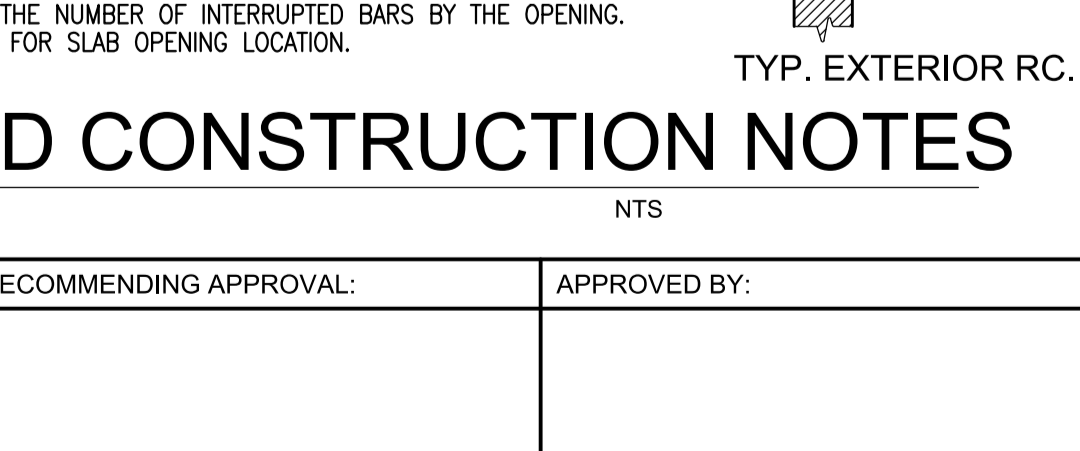
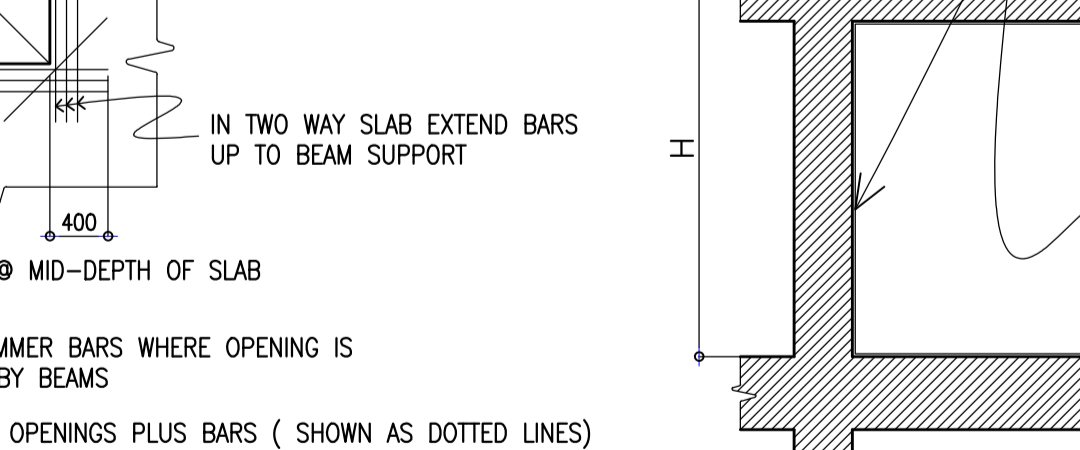
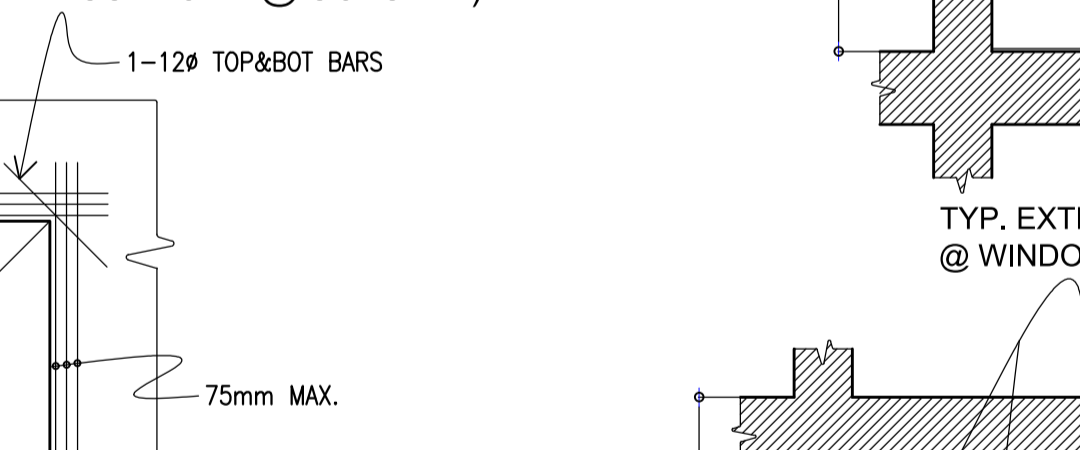
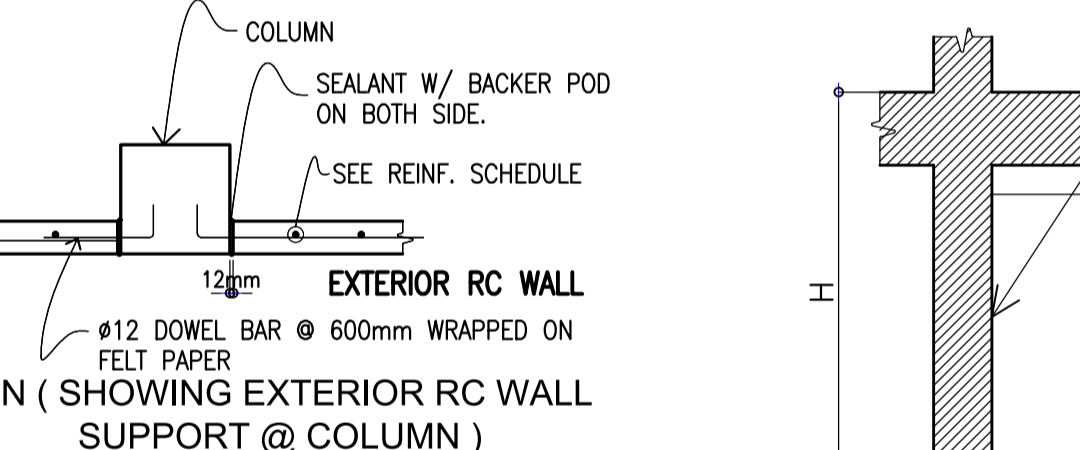
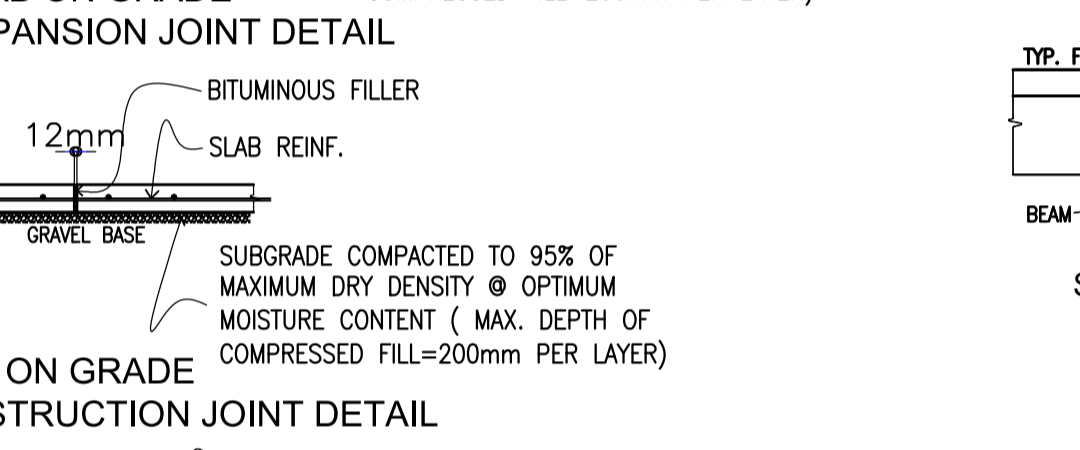
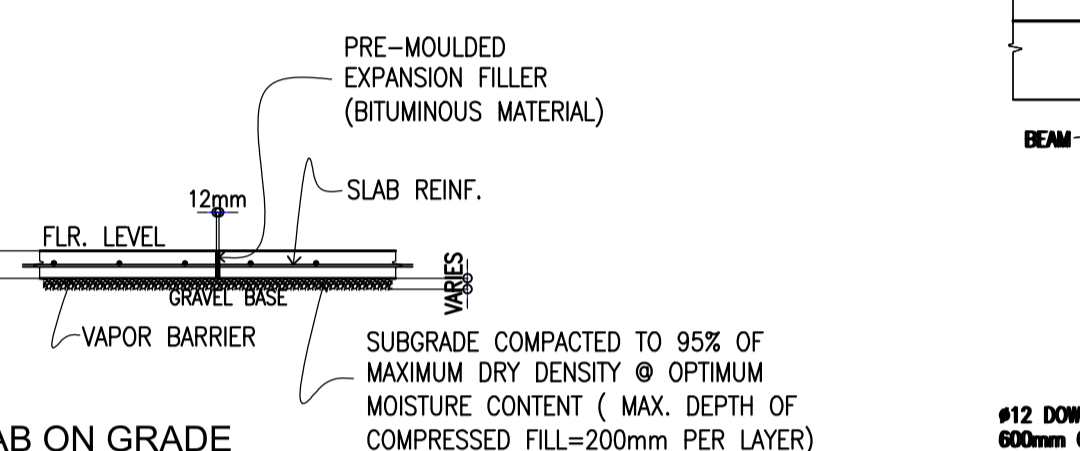
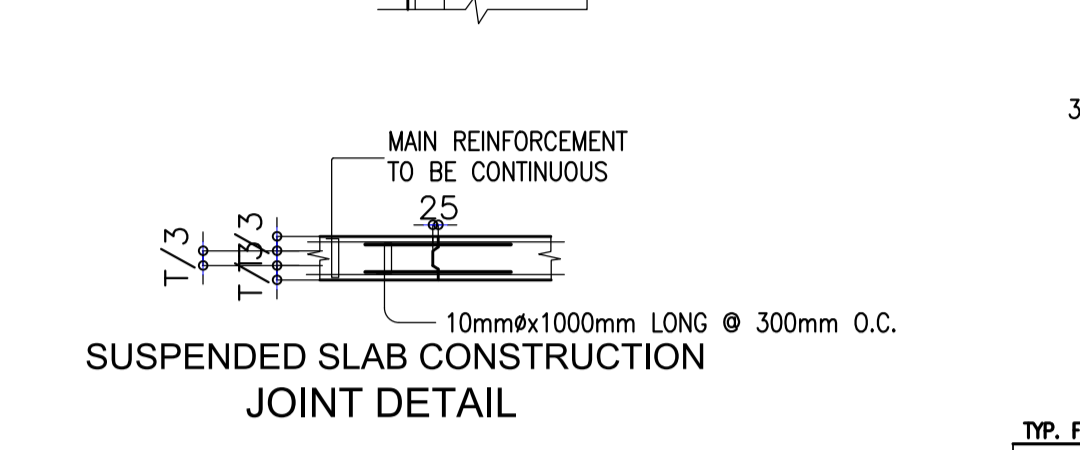
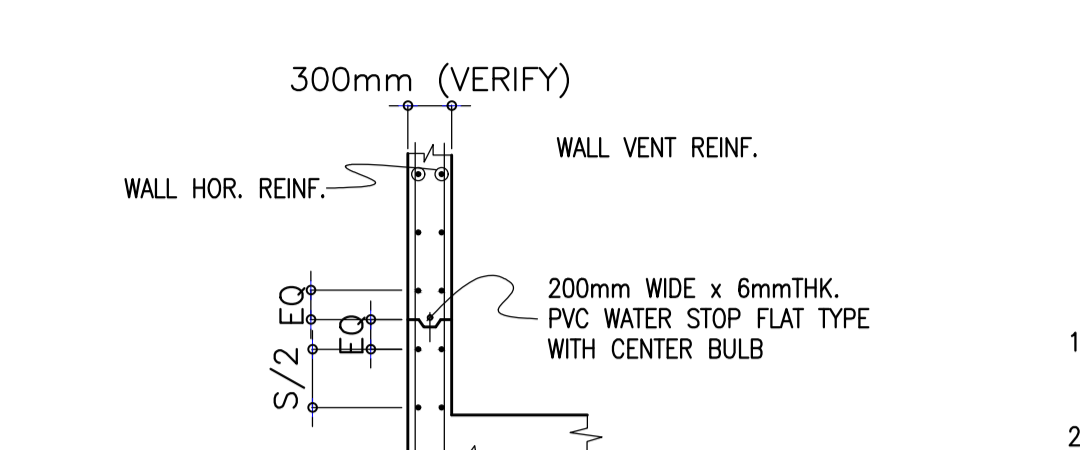
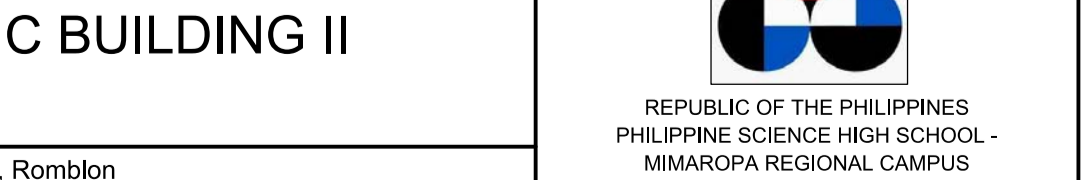
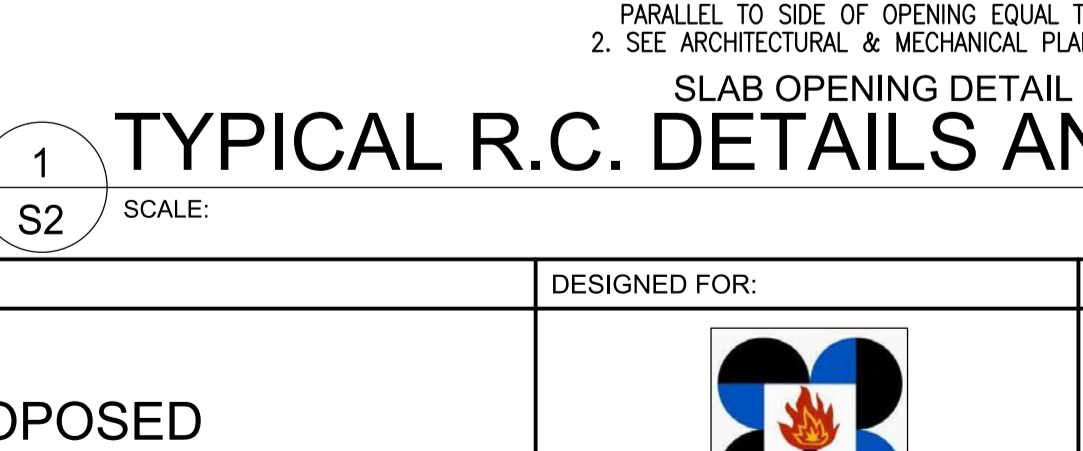
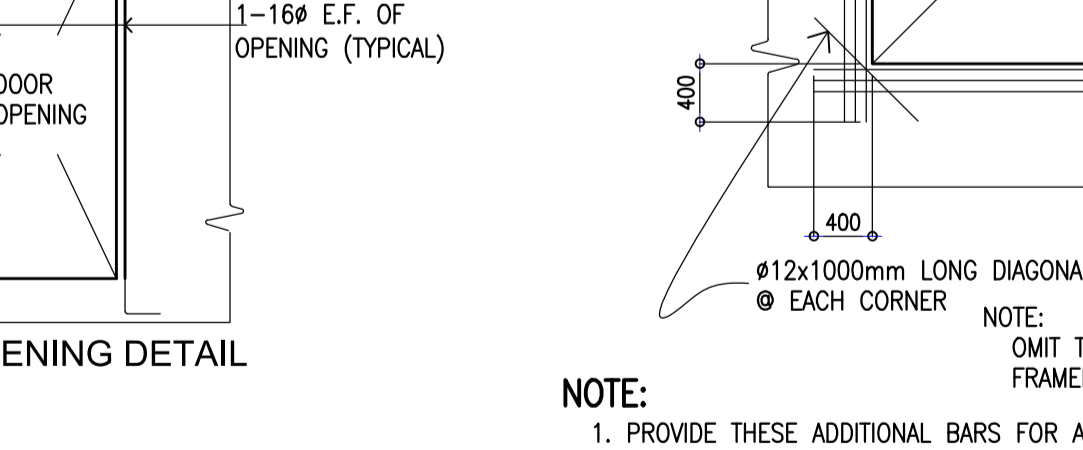
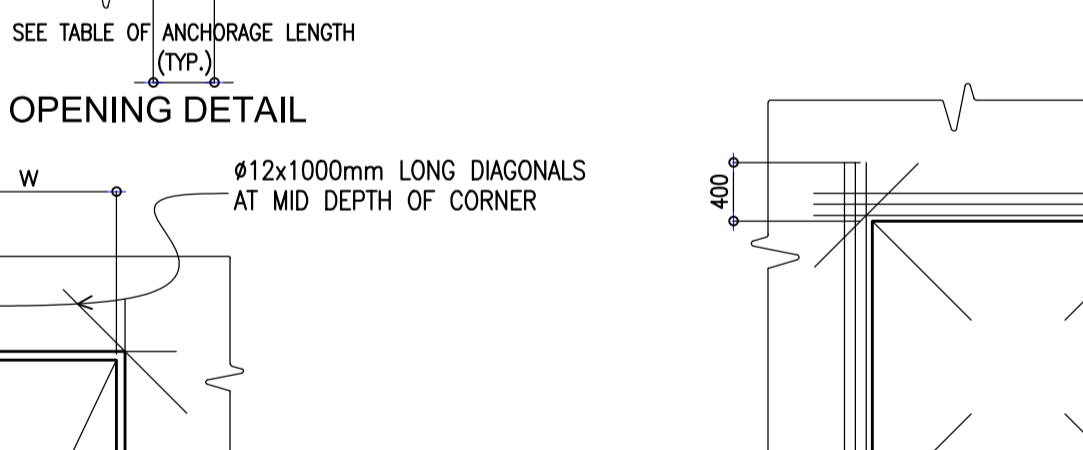
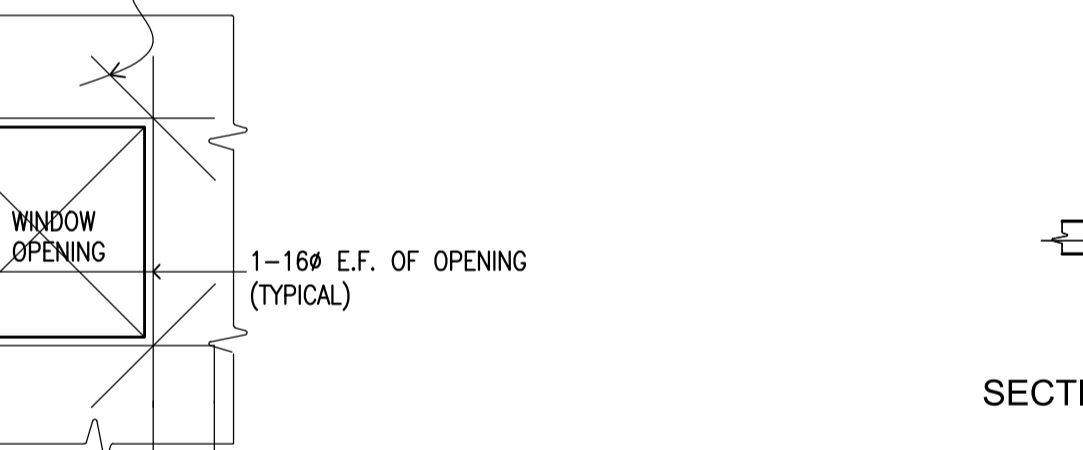
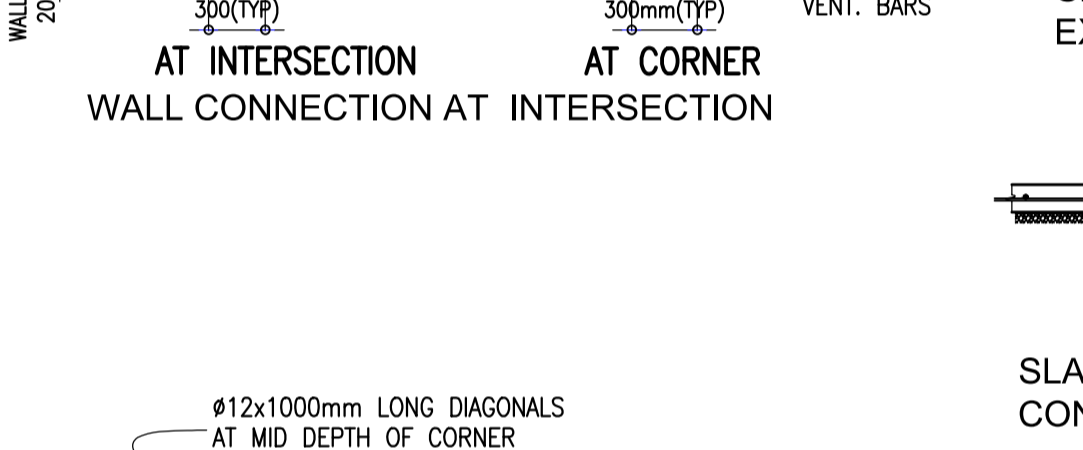
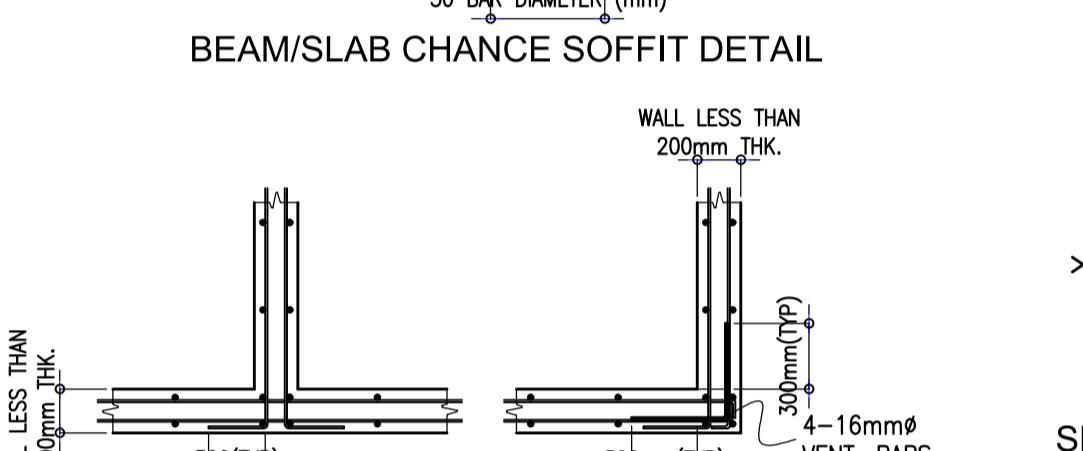
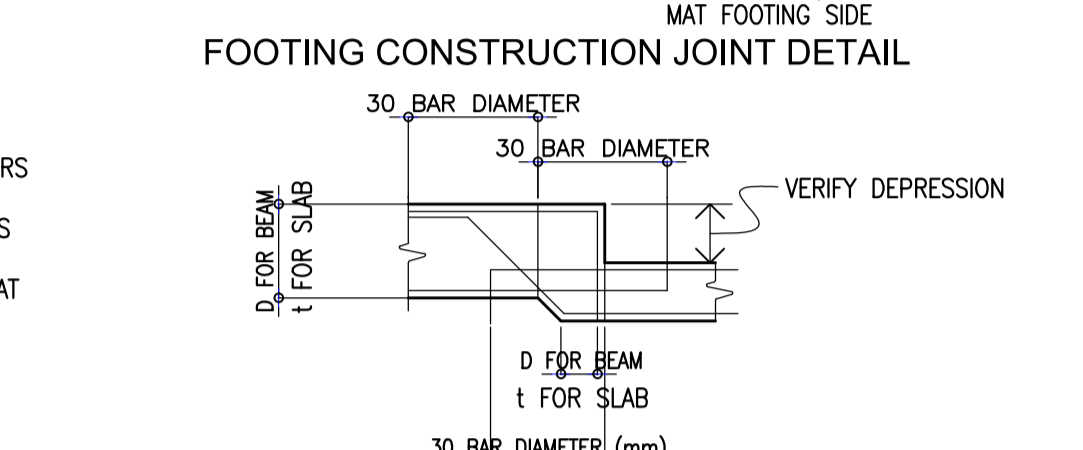
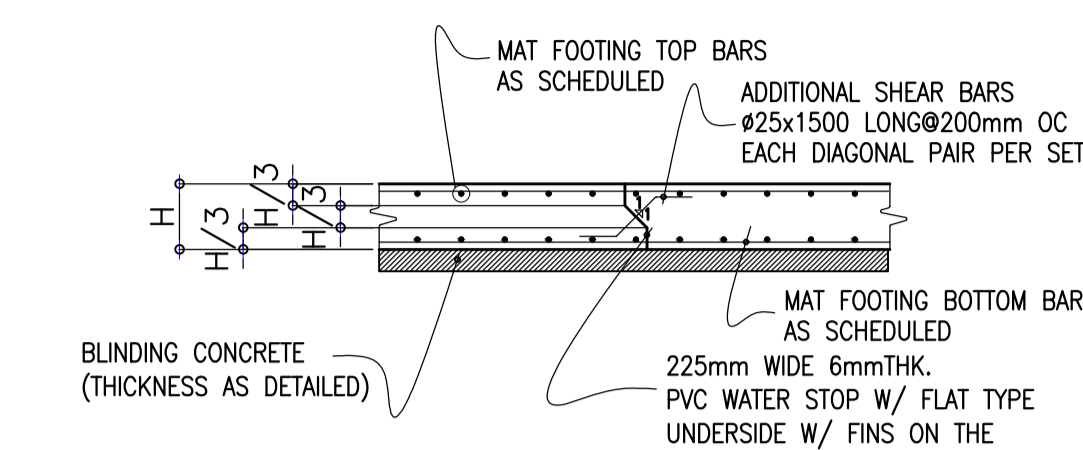
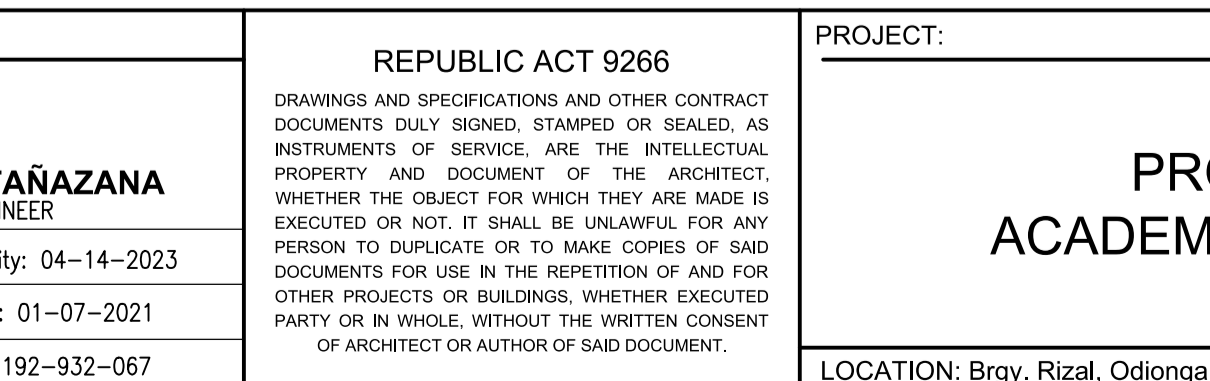
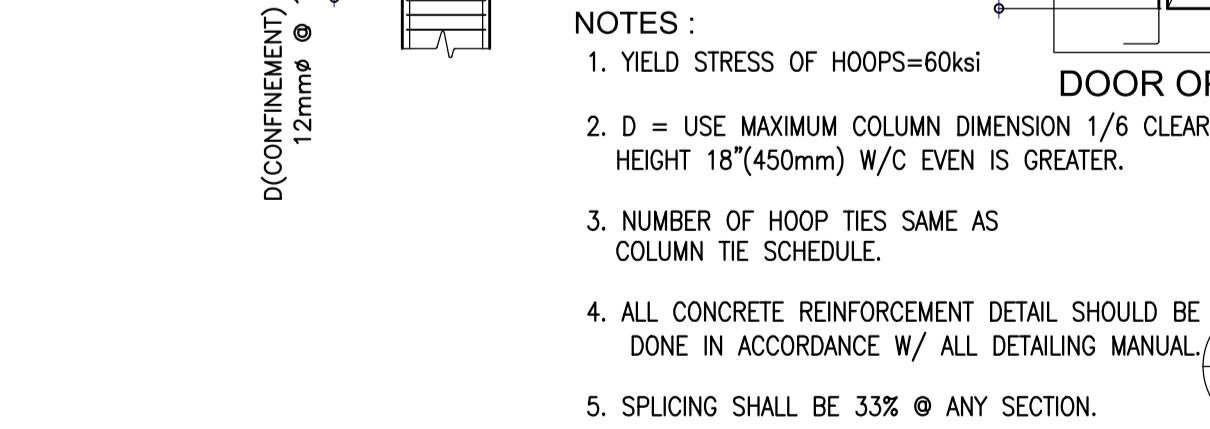
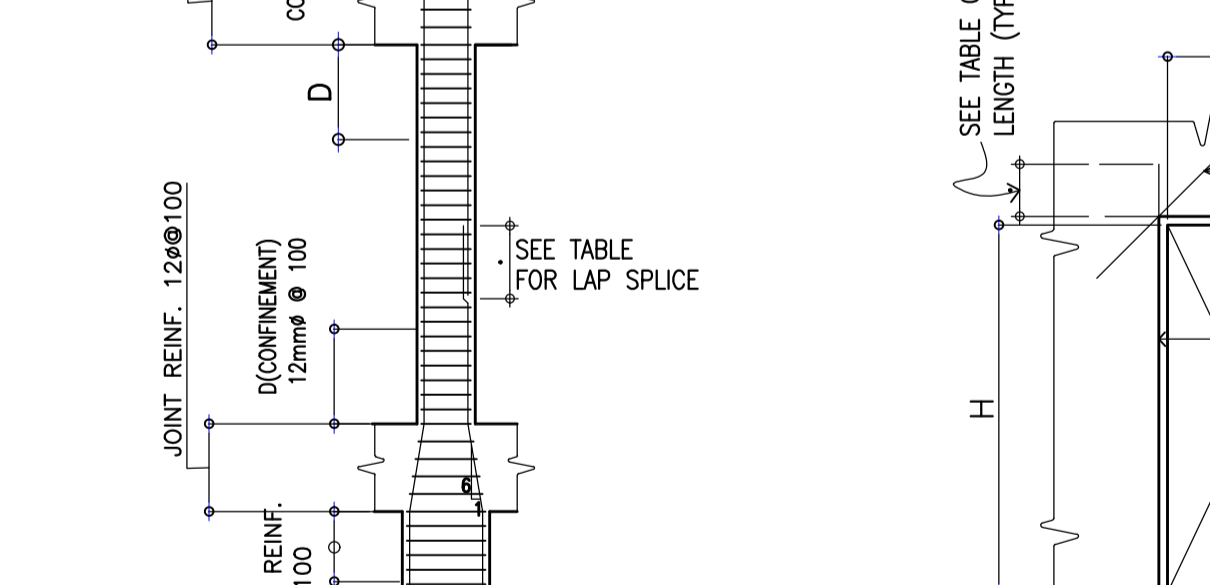
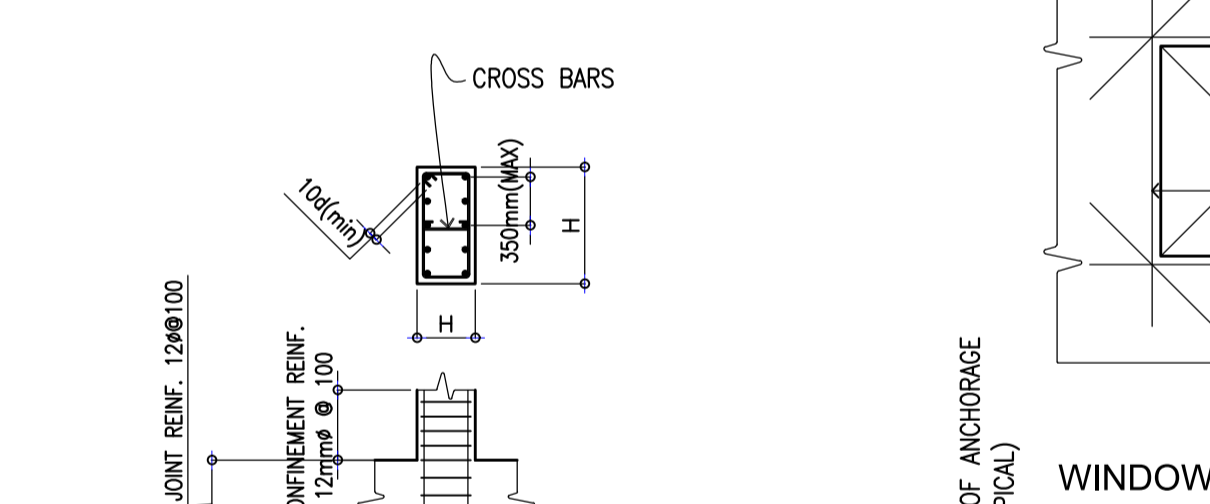
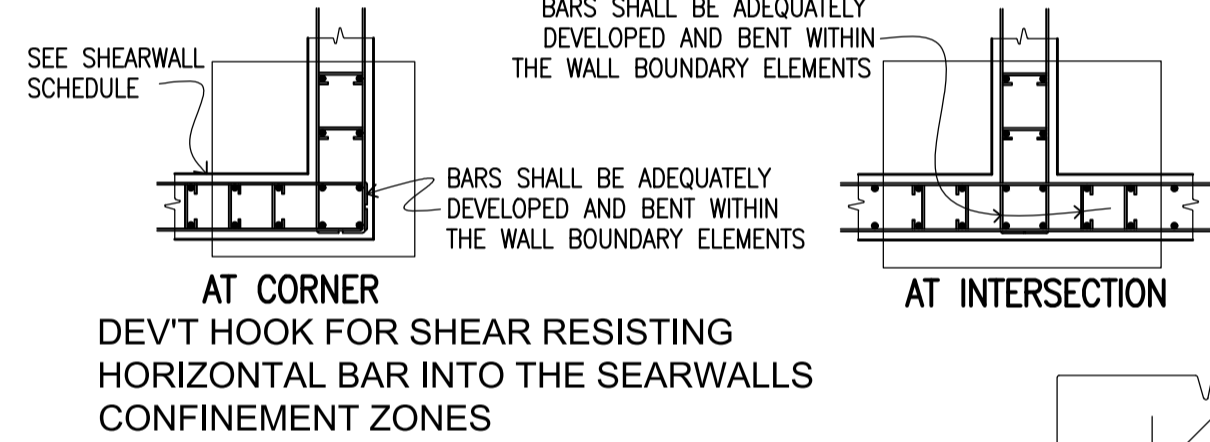
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 300mm CONCRETE CAST IN THE MEMBER BELOW THE REINFORCEMENT.
- THESE BAR DEVELOPMENT LENGTHS APPLY TO REGULAR WEIGHT CONCRETE, MULTIPLY THE SPECIFIED DEVELOPMENT LENGTH BY 1.3 FOR LIGHTWEIGHT CONCRETE.
- ALL DETAILING OF REINFORCEMENT SHALL COMPLY WITH THIS SCHEDULE UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE DRAWINGS.
- db INDICATES DIAMETER OF THE BAR.
- LENGTHS SHOWN UNDER CONDITION 1 SHALL BE USED WHERE ANY ONE OF THE FOLLOWING IS SATISFIED:
  - BEAM AND COLUMN BARS WHERE "BAR SPACING  $\geq 4db$ ".
  - INNER LAYER OF SLAB OR WALL REINFORCEMENT WHERE "BAR SPACING  $\geq 4db$ ".
  - ANY REINF. WHERE "BAR COVER  $\geq 2db$ " AND "BAR SPACING  $\geq 4db$ ".
- LENGTHS SHOWN UNDER CONDITION 2 SHALL BE USED WHERE "BAR COVER  $\leq db$ " OR "BAR SPACING  $\leq 3db$ ".
- LENGTHS SHOWN UNDER CONDITION 3 SHALL BE USED WHERE CONDITION 1 OR 2 ARE NOT SATISFIED.
- IF "BAR SPACING  $\geq 6db$ " AND "BAR COVER  $\geq 2.5db$ " USE 80% OF LENGTH SPECIFIED IN SCHEDULE ABOVE.
- USE CLASS "B" SPLICES U.N.O. AT CLASS "B" SPLICES ONE HALF OR LESS OF THE TOTAL REINFORCEMENT. REINFORCEMENT IS SPLICED WITHIN THE REQUIRED LAP LENGTH.
- FOR CLASS "A" SPLICES USE SAME VALUES
- SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZES BARS.
- AT CONCRETE WALLS SPLICES IN HORIZONTAL REINFORCEMENT SHALL BE STAGGERED.
- AT CONCRETE WALLS SPLICES IN TWO CURTAINS, WHERE USED, SHALL NOT OCCUR IN THE SAME LOCATION.
- ALL FOOTING DOWELS SHALL HAVE CLASS "B" LAP SPlice AT VERTICAL WALL/ COLUMN BARS (STAGGER DOWEL HEIGHTS).

## REINFORCEMENT LAP SPlice DET.

8



8



## TYPICAL R.C. DETAILS AND CONSTRUCTION NOTES

SCALE: NTS

## BAR BENDING DETAIL

9

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LUPATON HEIGHTS  
 QUEZON CITY, 1106  
 TEL. NOS. 43-7009,  
 43-3022-04  
 FAX NOS. 327-0606,  
 43-7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:

**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER

PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

**REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS**

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:

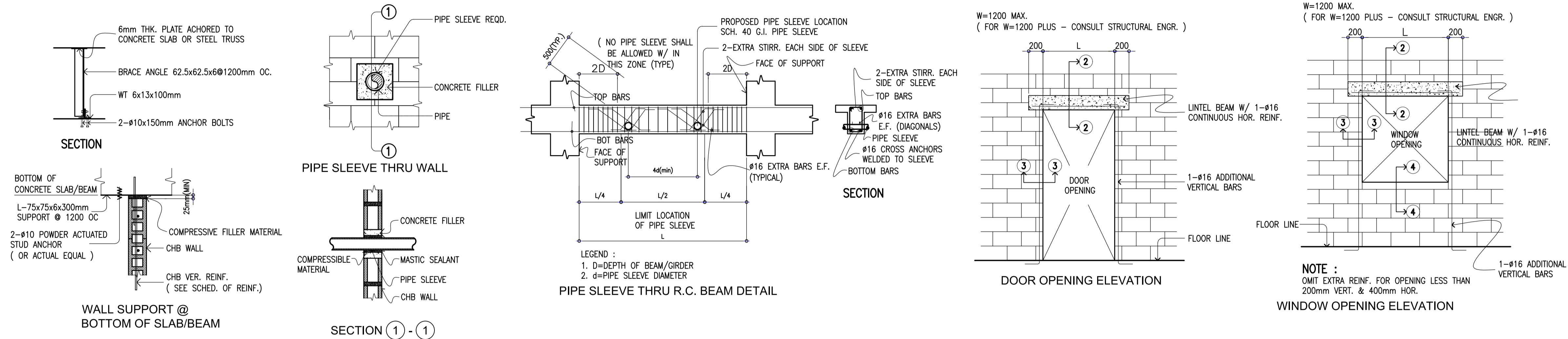
CONSTRUCTION NOTES

SHEET NO:

**S**  
**2 35**

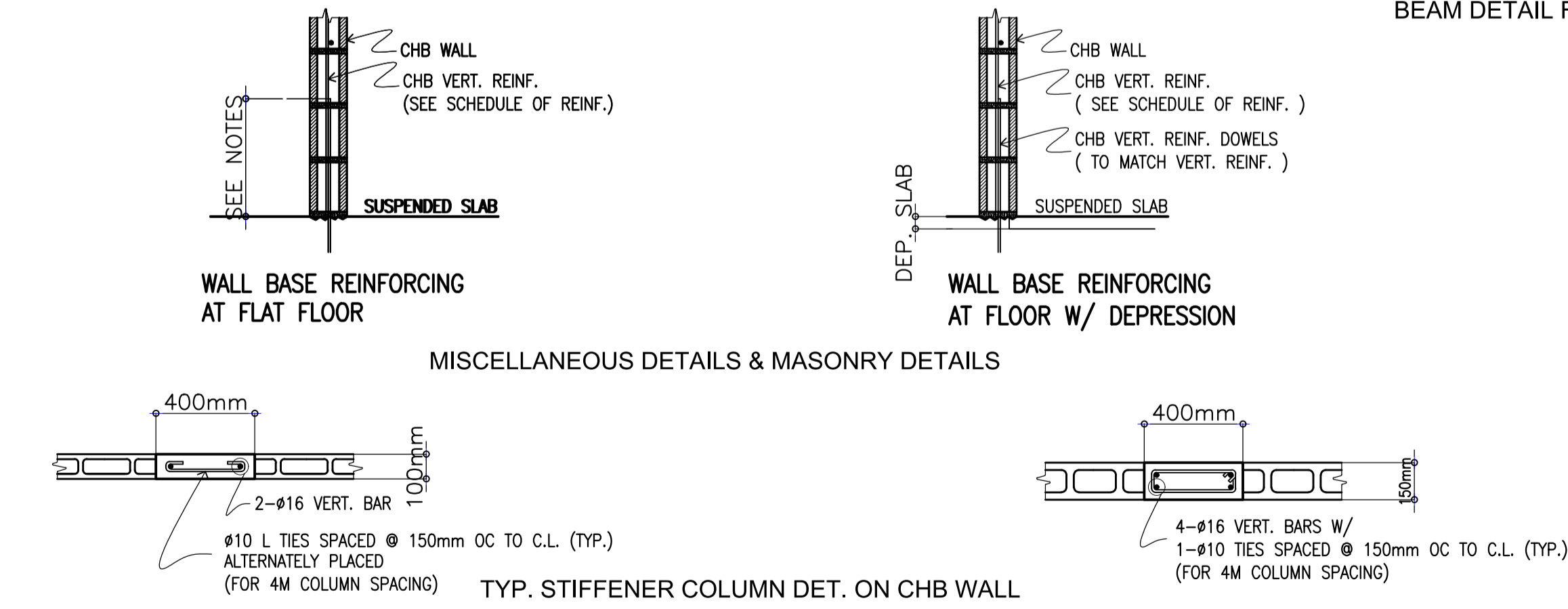
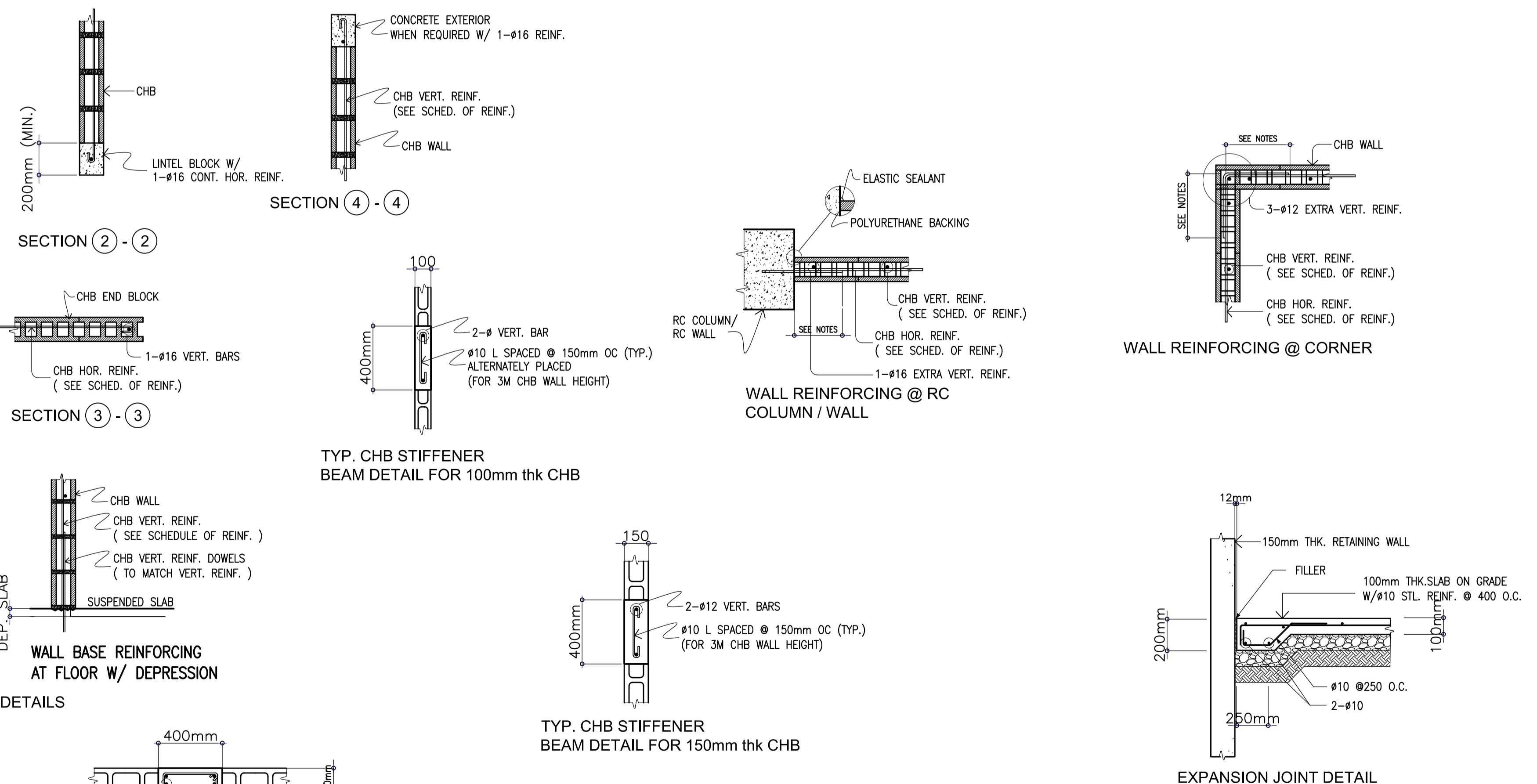


# STRUCTURAL NOTES



## NOTES ON MASONRY AND CONCRETE BLOCKS

- ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A LIMIT WEIGHT NOT TO EXCEED 60 PCF FOR LOAD BEARING TYPE CONCRETE BLOCKS. A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPa(1000 psi) SHALL BE DEVELOPED.
  - PROVIDE 1-#16 EXTRA VERTICAL BARS @ CORNERS, INTERSECTION, END OF WALLS AND EACH SIDE OF OPENINGS AS SHOWN.
  - LINTEL BEAMS OR LINTEL BLOCKS SHALL BEAR @ LEAST 8 INCHES (200mm) ON EACH SIDE OF MASONRY WALL OPENINGS.
  - CHB WALL REINFORCEMENTS SHALL BE AS FOLLOWS.
- | WALL THICKNESS | VERTICAL REINFORCEMENTS | HORIZONTAL REINFORCEMENTS |
|----------------|-------------------------|---------------------------|
| 8" (200mm)     | # 12 @ 400mm            | # 10 @ 600mm              |
| 6" (150mm)     | # 10 @ 400mm            | # 10 @ 600mm              |
| 4" (100mm)     | # 10 @ 400mm            | # 10 @ 600mm              |
- BLOCK WALL REINFORCING BARS SHALL LAPPED A MINIMUM OF 30 BAR DIAMETERS WHERE SPLICED, HORIZONTAL/VERTICAL DOWELS FROM FOOTINGS, COLUMNS/ WALLS ON BARS SHALL BE EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETER ON A MINIMUM OF 400mm. W/C EVEN IS LONGER AND DOWELS TO MATCH VERTICAL REINFORCEMENT OF WALL.
  - ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLELY FILLED W/ CONCRETE GROUT (REFER TO SPECIFICATION)



## MISCELLANEOUS DETAILS & MASONRY DETAILS

1  
S3

SCALE:

NTS

<p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b>          ARCHITECTS ENGINEERS CONSULTANTS          SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LUVUVA HEIGHTS QUEZON CITY, 3106          TEL. NOS. 43-7009; 43-3922-04 FAX NOS. 927-0606; 43-7214</p> <p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b>          ARCHITECTS ENGINEERS CONSULTANTS</p>	<p>ENGINEER:</p> <p><b>ARNEL NIXON D. TAÑAZANA</b>          STRUCTURAL ENGINEER</p> <p>PRC No. 0076960 Validity: 04-14-2023          PTR No. 8676828 Date: 01-07-2021          Place: MARIKINA CITY TIN: 192-932-067</p>	<p>REPUBLIC ACT 9266</p> <p><small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPUTATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small></p>	<p>PROJECT:</p> <p><b>PROPOSED ACADEMIC BUILDING II</b></p> <p>LOCATION: Brgy. Rizal, Odiongan, Romblon</p>	<p>DESIGNED FOR:</p> <p>REPUBLIC OF THE PHILIPPINES          PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p>	<p>RECOMMENDING APPROVAL:</p> <p><b>MERIAM F. FALLAR</b>          FAD CHIEF</p>	<p>APPROVED BY:</p> <p><b>EDWARD C. ALBARACIN</b>          CAMPUS DIRECTOR</p>	<p>SHEET CONTENTS:</p> <p>CONSTRUCTION NOTES</p>	<p>SHEET NO:</p> <p><b>S</b>  <b>3 35</b></p>
--	--	--	---	--	---	--	--	---



# STRUCTURAL NOTES

## 1. DESIGN CRITERIA

### A. DESIGN REFERENCES AND CODES

- THE STRUCTURAL DESIGN OF THE PROPOSED BUILDING WILL BE DONE BASED ON THE FOLLOWING CODES AND REFERENCES:
- (NSCP 7th Ed.) NATIONAL STRUCTURAL CODE OF THE PHILIPPINES 2015 RELEASE
  - (ACI 318-14/318R-14) BUILDING CODES REQUIREMENTS FOR REINFORCED CONCRETE AND COMMENTARY
  - (ASCE/SEI 7-05) MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
  - (UBC) UNIFORM BUILDING CODE, 1997 EDITION
  - (AISC LRFD) LOAD AND RESISTANCE FACTOR DESIGN CRITERIA FOR BUILDING

### B. DESIGN LOADS

THE FOLLOWING DESIGN LOADS AND PARAMETERS SHALL BE USED:

A. UNIT WEIGHT	
• CONCRETE	24 KN/cu.m.
• STEEL	77 KN/cu.m.
• WATER	9.81 KN/cu.m.
B. DEAD LOADS	
• SELF-WEIGHT OF STRUCTURE	2.40 KPa
• SUPER-IMPOSED DEAD LOAD AT GROUND FLOOR	2.40 KPa
• SUPER-IMPOSED DL AT TYP. FLOORS	1.80 KPa
• SUPER-IMPOSED ROOFDECK DEAD LOAD	9.51 KN/m
• SIDINGS / ENCLOSURE PERIMETER	
C. LIVE LOADS	
LIVE LOAD AT GROUND FLOOR	
LIVE LOAD AT TYPICAL FLOORS	7.20 KPa
• OFFICES	
• LOBBIES & CORRIDORS	2.40 KPa
• STORAGE AREAS (LIGHT)	2.40 KPa
• PEDESTRIAN BRIDGES	6.00 KPa
• WALKWAYS	4.80 KPa
• EXIT FACILITIES	4.80 KPa
• AUDITORIUMS	4.80 KPa
• ASSEMBLY AREAS	4.80 KPa
• STAIRS	4.80 KPa
• CONFERENCE ROOMS	4.80 KPa
• PARKING (PRIVATE VEHICLE)	4.80 KPa
• RAMPS (PRIVATE VEHICLE)	4.80 KPa
LIVE LOAD AT ROOFDECK FLOOR	2.40 KPa
• OPEN DECK	4.80 KPa
• GENERATOR/EQUIPMENT	0.96 KPa
	ACTUAL OPERATIONAL WEIGHT
D. WIND LOAD (NSCP 2015, 7th Edition)	
OCCUPANCY CATEGORY	I (ESSENTIAL FACILITY)
BASIC WIND VELOCITY	260 kph
EXPOSURE CATEGORY	D
IMPORTANCE FACTOR	1.50
TOPOGRAPHICAL FACTOR, Kzt	1.00
GUST FACTOR	0.85
DIRECTIONALITY FACTOR, Kd	0.85
E. SEISMIC LOAD (NSCP 2017, 7th Edition, UBC 1997)	
OCCUPANCY CATEGORY	I (ESSENTIAL)
IMPORTANCE FACTOR (I)	1.50
COEFFICIENT OF VELOCITY (Cv)	0.96Nv = 1.38
COEFFICIENT OF ACCELERATION (Ca)	0.44Na = 0.49
SOIL PROFILE TYPE	Se
RESPONSE MODIFICATION FACTOR "R"	8.5 (Special Moment Resisting Frames)

### 3. LOAD COMBINATIONS

THE FOLLOWING LOAD COMBINATIONS SHALL BE ADOPTED FOR THE STRUCTURAL DESIGN OF THE BUILDING AS PER THE PROVISIONS OF IBC 2009, ASCE/SEI 7-05, LRFD & NSCP 2010 Section 203.3.1:

- 1.4DL
- 1.2DL + 1.6OLL
- 1.2DL + 1.6OLL + 0.8WIND
- 1.2DL + 0.5OLL + 1.6WIND
- 0.9ODL + 1.6WIND
- 1.2ODL + 0.5OLL + 1.0EQK
- 0.9ODL + 1.0EQK

## C. FABRICATION:

### 1. WELDS:

- ALL WELDED CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF THE MEMBERS CONNECTED.
- LENGTH OF WELDS: THE MINIMUM LENGTH OF FILLET SHALL NOT BE LESS 4 TIMES THE NOMINAL SIZE WHERE INTERMITTENT WELDS MAY BE USED. THE LENGTH OF SEGMENT SHALL NOT BE LESS THAN 4 TIMES THE WELD SIZE WITH A MINIMUM OF 40mm.
  - END OF RETURN OF FILLET WELDS: SIDE OR END FILLET WELDS TERMINATING AT END OR SIDES SHALL BE RETURNED CONTINUOUSLY FOR A DISTANCE NOT LESS THAN TWICE THE NOMINAL SIZE OF THE WELD.
  - USE E70 ELECTRODES FOR ALL WELDS IN THE STRUCTURAL STEEL.
  - WELDED CONNECTIONS SHALL BE TESTED USING ULTRASONIC TESTING AT THE EXPENSE OF THE CONTRACTOR AS FOLLOWS:
    - SHOP WELDS - 90% OF THE TOTAL NO. OF JOINTS
    - FIELD WELDS - 20% OF THE TOTAL NO. OF JOINTS AT RANDOMLY SELECTED
  - ROOF TRUSS JOINTS:
    - DPT (DYE PENETRATION TESTING)

IN ADDITION, THE INSPECTOR OR DESIGNER MAY PIN POINT ADDITIONAL JOINT OR SPLICE SUBJECT FOR TESTING WHICH MAY EXHIBIT DOUBTFUL

CONNECTION. THE COST OF ALL ADDITIONAL JOINTS SUBJECT TO TESTING THAT IS FOUND SATISFACTORY SHALL BE BORN BY THE OWNER. HOWEVER, ALL CONNECTIONS FOUND DEFICIENT SHALL BE RECTIFIED BY THE CONTRACTOR AT ITS OWN EXPENSE.

### 2. BOLTS:

- MINIMUM EDGE DISTANCE: THE MINIMUM EDGE DISTANCE OF BOLTS UNLESS OTHERWISE SPECIFIED SHALL CONFORM TO THE REQUIREMENTS OF AISC STEEL MANUAL 9TH EDITION. THE MAXIMUM EDGE DISTANCE FROM BOLT CENTER UNLESS OTHERWISE SPECIFIED SHALL BE 12 TIMES THICKNESS OF THE PLATE BUT NOT TO EXCEED 150mm.
- MINIMUM PITCH: ON CENTER SPACING OF BOLTS UNLESS OTHERWISE SPECIFIED SHALL NOT BE LESS THAN 3 TIMES THE NOMINAL DIAMETER.
- TOLERANCES: SOME VARIATIONS EXPECTED IN THE FINISH OVERALL DIMENSIONS OF FRAMES SHALL NOT EXCEED THE ROLLING TOLERANCES FOR CROSS - SECTIONAL DIMENSIONS, CAMBER AND SWEEP PERMITTED UNDER ASTM SPECIFICATION A36.
- CAMBERING: ALL HORIZONTAL MEMBERS MORE THAN 12m IN LENGTH SHALL BE PRE-CAMBERED WITH A MINIMUM SPAN OF SPAN/360 UNLESS SPECIFIED OTHERWISE IN THE PLAN. LOCAL APPLICATION OF HEAT OR MECHANICAL MEANS MAY BE USED TO INTRODUCE OR CORRECT CAMBER OR CURVATURE THE TEMPERATURE OF HEATED AREAS AS MEASURED BY APPROVED METHODS SHALL NOT EXCEED 590°C FOR A514 STEEL NOR 645°C FOR OTHER STEELS.

## D. ERECTION:

- BRACING: THE FRAME OF STEEL STRUCTURE SKELETON SHALL BE CARRIED UP TRUE AND PLUMB, WITHIN THE LIMITS DEFINED IN SECTION 7(h) OF THE AISC CODE OF STANDARD PRACTICE. TEMPORARY BRACING SHALL BE PROVIDED TO RESIST ALL LOADS INCLUDING ERECTION EQUIPMENT.
- ALIGNMENT: NO RIVETTING, PERMANENT BOLTING OR WELDING SHALL BE DONE UNTIL STRUCTURE HAS BEEN PROPERLY ALIGNED.
- SAGRODS AND CROSS BRACINGS SHALL BE INSTALLED AND TIGHTENED BEFORE INSTALLATION OF ROOFING OR WALL CLADDING.
- PROVIDE VERTICAL STIFFENERS WITH THICKNESS EQUAL TO WEB THICKNESS FOR ALL BEAMS AT 1000mm ON CENTER SPACING EACH FACE.

## E. PAINTING AND SURFACE PREPARATION:

- STEEL TO BE USED FOR ERECTION OF THIS STRUCTURE SHALL BE PAINTED AND ITS SURFACE PREPARED IN COMPLIANCE WITH THE SPECIFICATIONS.

## G. SUBMITTALS:

- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING CONNECTION DETAILS SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER.

## PREQUALIFIED WELDED JOINTS

**WELD SIZE**

MATERIAL THICKNESS OF THINNER PART JOINED (mm)	TYP. LEG SIZE	REMARKS
6.7	5	
8.9	6	
10.11	8	
12	10	
12<math>\leq</math>14	12	
16<math>\leq</math>20	14	
20 to 30	16	
30 to 40	18	
40 to 50	24	

## WELDED JOINT SYMBOLS

∩
∪
□
∨
∩
∪
∩
∪
□
○
—
∩

## STRUCTURAL DESIGN CRITERIA 10

**STRUCTURAL STEEL:**

A. MATERIALS:

- STRUCTURAL STEEL - STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISIONS OF AISC SPECIFICATION.
- FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING 1989 - 9TH EDITION.
  - STEEL SHAPES: WIDE FLANGE, ANGLES, CHANNELS, PLATES SHALL BE ASTM 36. BUILTUP MEMBERS SHALL BE ASTM 36
  - BOLTS: ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO A325 UNLESS OTHERWISE INDICATED.
  - ANCHOR BOLTS SHALL LIKEWISE BE OF EQUAL STRENGTH AS A325 BOLTS OF THE SAME SIZE. ANCHOR BOLTS SHALL LIKEWISE BE OF EQUAL STRENGTH AS A325 BOLTS OF THE SAME SIZE.

WELD CODE D1-1 LATEST REVISION FOR SHIELDED METAL ARC WELDING PROCESSES. ELECTRODES SHALL BE IN COMPLIANCE WITH AISC STRUCTURAL WELDING ELECTRODES SHALL BE IN COMPLIANCE WITH AISC LATEST EDITION. SUBMERGED ARC WELDING PROCESS MAY BE USED AT THE OPTION OF FABRICATOR UPON THE APPROVAL OF ENGINEER.

B. QUALITY CONTROL:

- REFER TO SPECIFICATIONS FOR QUALITY CONTROL TESTING REQUIREMENTS.
- STEEL SHAPES: EVERY BATCH OF STRUCTURAL STEEL SHAPE FOR FABRICATION SHALL HAVE THE MANUFACTURER'S MILL CERTIFICATE SHOWING THEIR CHEMICAL AND PHYSICAL PROPERTIES. OWNER EXERCISES THE RIGHT TO UNDERTAKE DESTRUCTIVE OR NON-DESTRUCTIVE TESTING OF SAMPLES FROM MATERIALS USED FOR THE PROJECT.
- WELD FINISH: ALL WELDS SHALL BE FREE FROM UNDERCUTS, PINHOLES AND CRACKS. NONE-DESTRUCTIVE ALL WELDS SHALL BE FREE FROM UNDERCUTS, PINHOLES AND CRACKS. NON-DESTRUCTIVE TESTING SHALL BE CONDUCTED AT WELDS DEEMED NOT IN CONFORMITY WITH THE SPECIFICATION AND SHALL BE AT THE CONTRACTOR'S ACCOUNT.
- ALL TESTING PROCEDURES MUST BE DONE WITH THE PRESENCE OF THE QUALIFIED INSPECTOR AND OR WITH ALL TESTING PROCEDURES MUST BE DONE WITH THE PRESENCE OF THE QUALIFIED INSPECTOR AND OR WITH THE DESIGNER.

## STRUCTURAL STEEL NOTES 2 11

**NOTES ON MASONRY AND CONCRETE BLOCKS**

- ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A LIMIT WEIGHT NOT TO EXCEED 60 PCF FOR LOAD BEARING TYPE CONCRETE BLOCKS. A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPa(1000 psi) SHALL BE DEVELOPED.
- PROVIDE 1-#16 EXTRA VERTICAL BARS @ CORNERS, INTERSECTION, END OF WALLS AND EACH SIDE OF OPENINGS AS SHOWN.
- LINTEL BEAMS OR LINTEL BLOCKS SHALL BEAR @ LEAST 8 INCHES (200mm) ON EACH SIDE OF MASONRY WALL OPENINGS.
- CHB WALL REINFORCEMENTS SHALL BE AS FOLLOWS.
 

WALL THICKNESS	VERTICAL REINFORCEMENTS	HORIZONTAL REINFORCEMENTS
8" (200mm)	∅ 12 @ 400mm	∅ 10 @ 600mm
6" (150mm)	∅ 10 @ 400mm	∅ 10 @ 600mm
4" (100mm)	∅ 10 @ 400mm	∅ 10 @ 600mm
- BLOCK WALL REINFORCING BARS SHALL LAPPED A MINIMUM OF 30 BAR DIAMETERS WHERE SPLICED, HORIZONTAL/VERTICAL DOWELS FROM FOOTINGS, COLUMNS/ WALLS ON BARS SHALL BE EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETER ON A MINIMUM OF 400mm. W/C EVEN IS LONGER AND DOWELS TO MATCH VERTICAL REINFORCEMENT OF WALL.
- ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLELY FILLED W/ CONCRETE GROUT (REFER TO SPECIFICATION)

## PREQUALIFIED JOINTS 11

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVE., LORVAL HEIGHTS  
QUEZON CITY, 1106  
TEL. NOS. 43-7009;  
43-30224  
FAX NOS. 927-0606;  
43-7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:

**ARNEL NIXON D. TAÑAZANA**  
STRUCTURAL ENGINEER

PRC No. 0076960 Validity: 04-14-2023  
PTR No. 8676828 Date: 01-07-2021  
Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

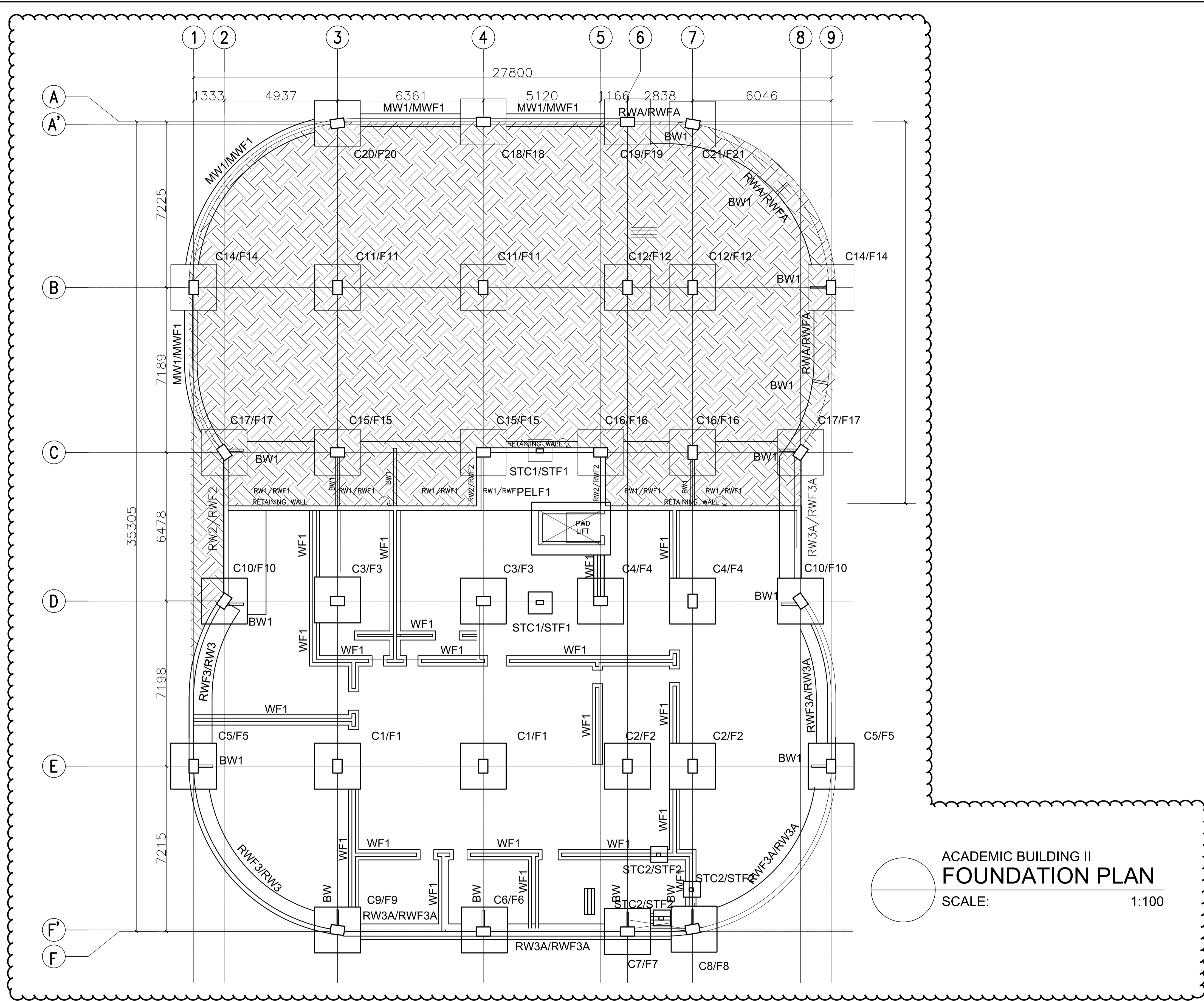
SHEET CONTENTS:

CONSTRUCTION NOTES

SHEET NO:

**S**  
4 35

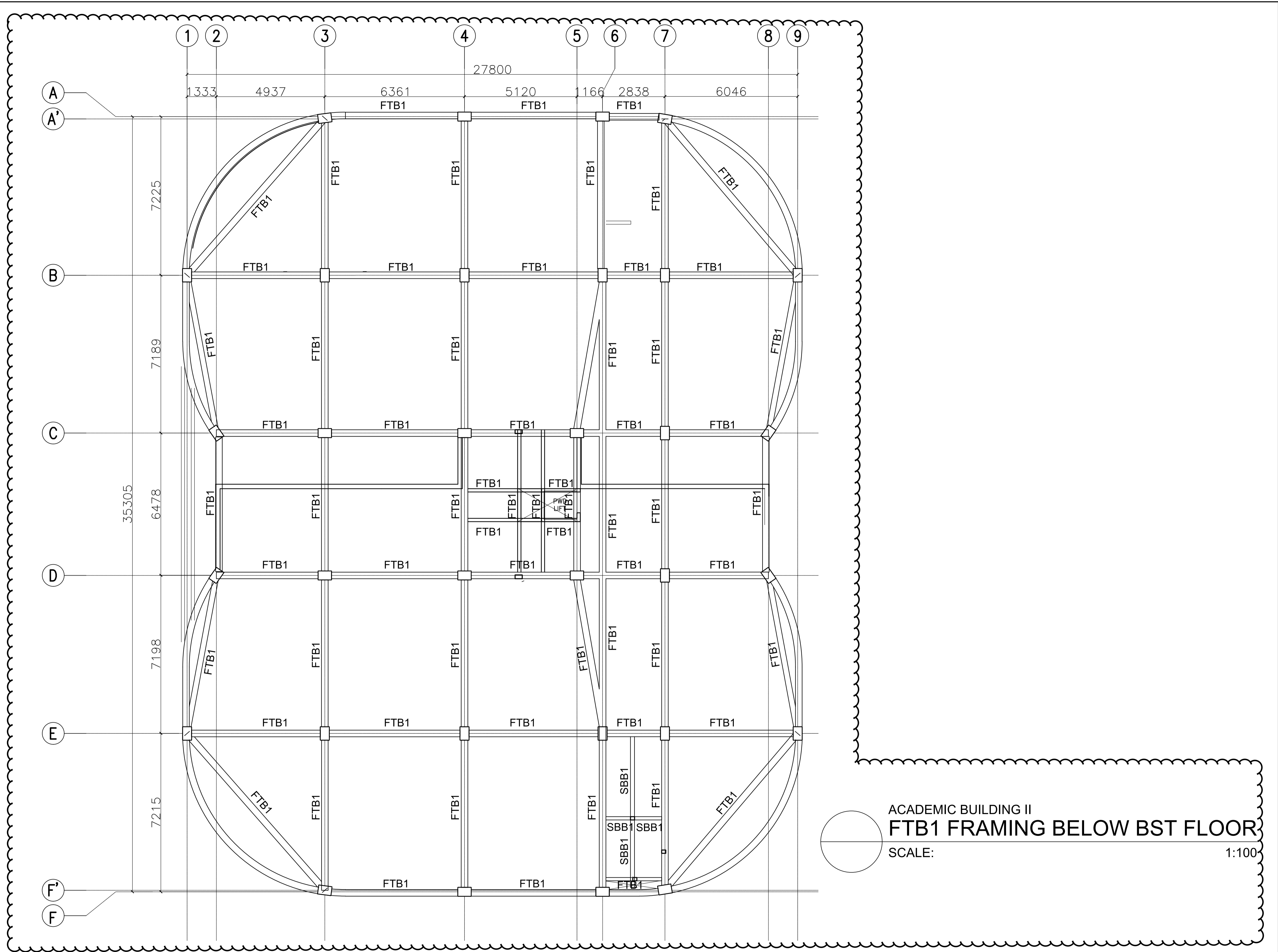




ACADEMIC BUILDING II  
**FOUNDATION PLAN**  
 SCALE: 1:100

<p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b>          ARCHITECTS ENGINEERS CONSULTANTS          IN JOINT VENTURE WITH  <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b>          ARCHITECTS ENGINEERS CONSULTANTS</p>	<p>ENGINEER:</p> <p><b>ARNEL NIXON D. TAÑAZANA</b>          STRUCTURAL ENGINEER</p>	<p>REPUBLIC ACT 9266</p> <p><small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small></p>	<p>PROJECT:</p> <p><b>PROPOSED ACADEMIC BUILDING II</b></p>	<p>DESIGNED FOR:</p> <p>REPUBLIC OF THE PHILIPPINES          PHILIPPINE SCIENCE HIGH SCHOOL -          MIMAROPA REGIONAL CAMPUS</p>	<p>RECOMMENDING APPROVAL:</p> <p><b>MERIAM F. FALLAR</b>          FAD CHIEF</p>	<p>APPROVED BY:</p> <p><b>EDWARD C. ALBARACIN</b>          CAMPUS DIRECTOR</p>	<p>SHEET CONTENTS:</p> <p>FOUNDATION PLAN</p>	<p>SHEET NO:</p> <p><b>S</b>          5 35</p>
	<p>SUITE 305          XAVIERVILLE SQUARE          CONDOMINIUM          NO. 38 XAVIERVILLE          AVE., LOYOLA HEIGHTS,          QUEZON CITY, 1108          TEL. NOS. 43-7009;          43-3922-04          FAX NOS. 927-0606;          43-7214</p>	<p>PRC No. 0076960      Validity: 04-14-2023</p> <p>PTR No. 8676828      Date: 01-07-2021</p> <p>Place: MARIKINA CITY      TIN: 192-932-067</p>	<p>LOCATION: Brgy. Rizal, Odiongan, Romblon</p>					





ACADEMIC BUILDING II  
**FTB1 FRAMING BELOW BST FLOOR**

SCALE: 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106  
 TEL. NOS. 43-7009; 43-3022-04 FAX NOS. 927-0606; 43-7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER

PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

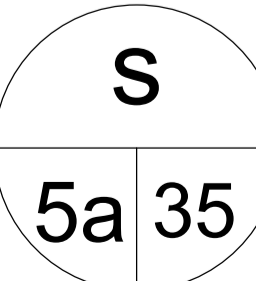
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

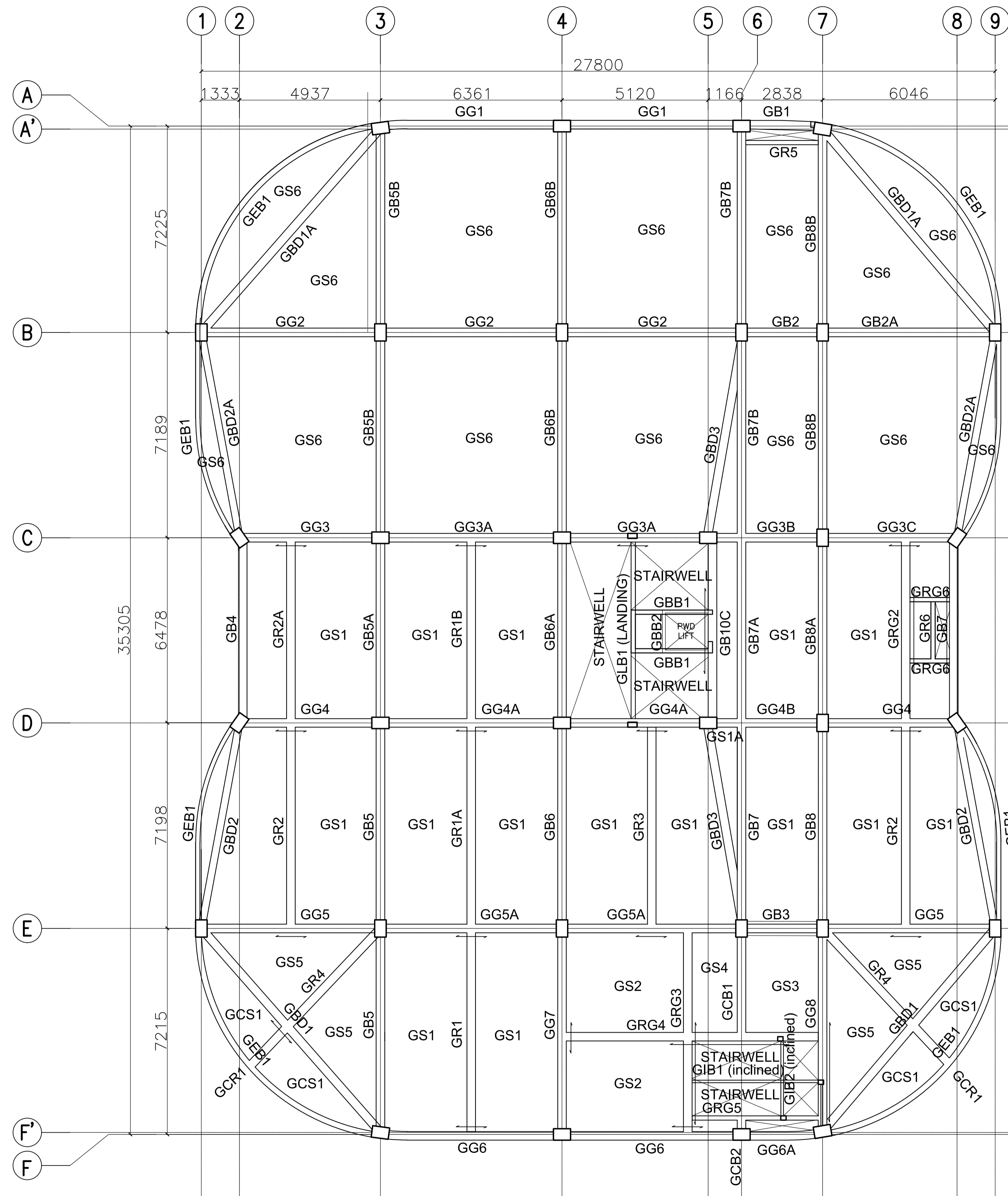
SHEET CONTENTS:  
 FTB1 FRAMING BELOW BST FLOOR

SHEET NO:  










ACADEMIC BUILDING II  
**GROUND FLOOR FRAMING PLAN**  
 SCALE: 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LOYOLA HEIGHTS,  
 QUEZON CITY, 1106  
 TEL. NOS. 43-7009,  
 43-3022-04  
 FAX NOS. 927-6606,  
 43-7214

ENGINEER:	
<b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER	
PRC No. 0076960	Validity: 04-14-2023
PTR No. 8676828	Date: 01-07-2021
Place: MARIKINA CITY	TIN: 192-932-067

**REPUBLIC ACT 9266**  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

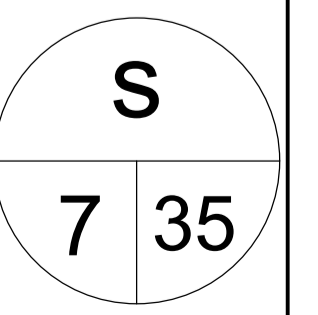
PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

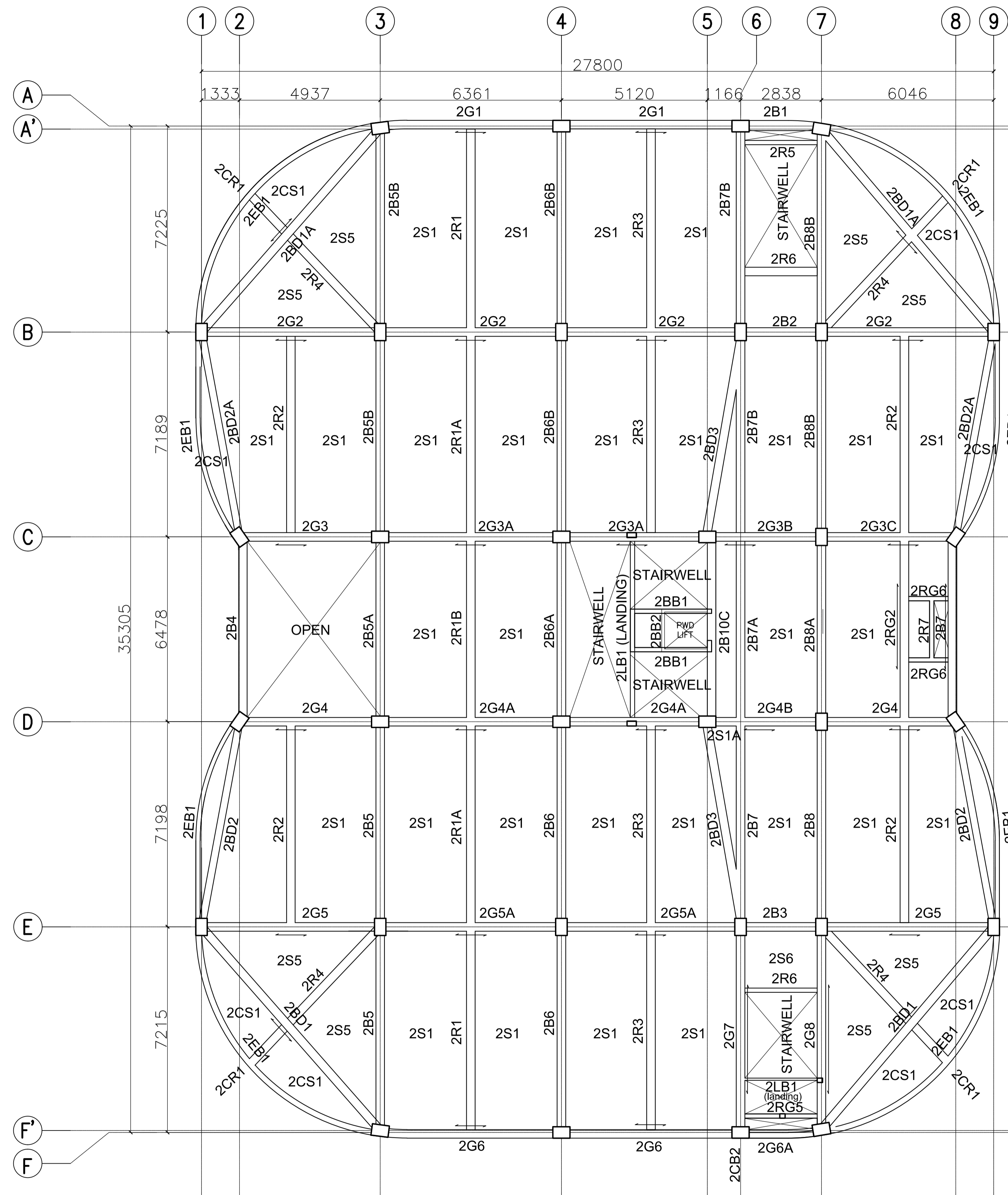
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 GROUND FLOOR FRAMING PLAN

SHEET NO:  






ACADEMIC BUILDING II  
**SECOND FLOOR FRAMING PLAN**  
 SCALE: 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LUVIJA HEIGHTS, QUEZON CITY, 1106  
 TEL. NOS. 43-7009, 43-3022-04 FAX NOS. 927-6608, 43-7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:	
<b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER	
PRC No. 0076960	Validity: 04-14-2023
PTR No. 8676828	Date: 01-07-2021
Place: MARIKINA CITY	TIN: 192-932-067

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:



REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

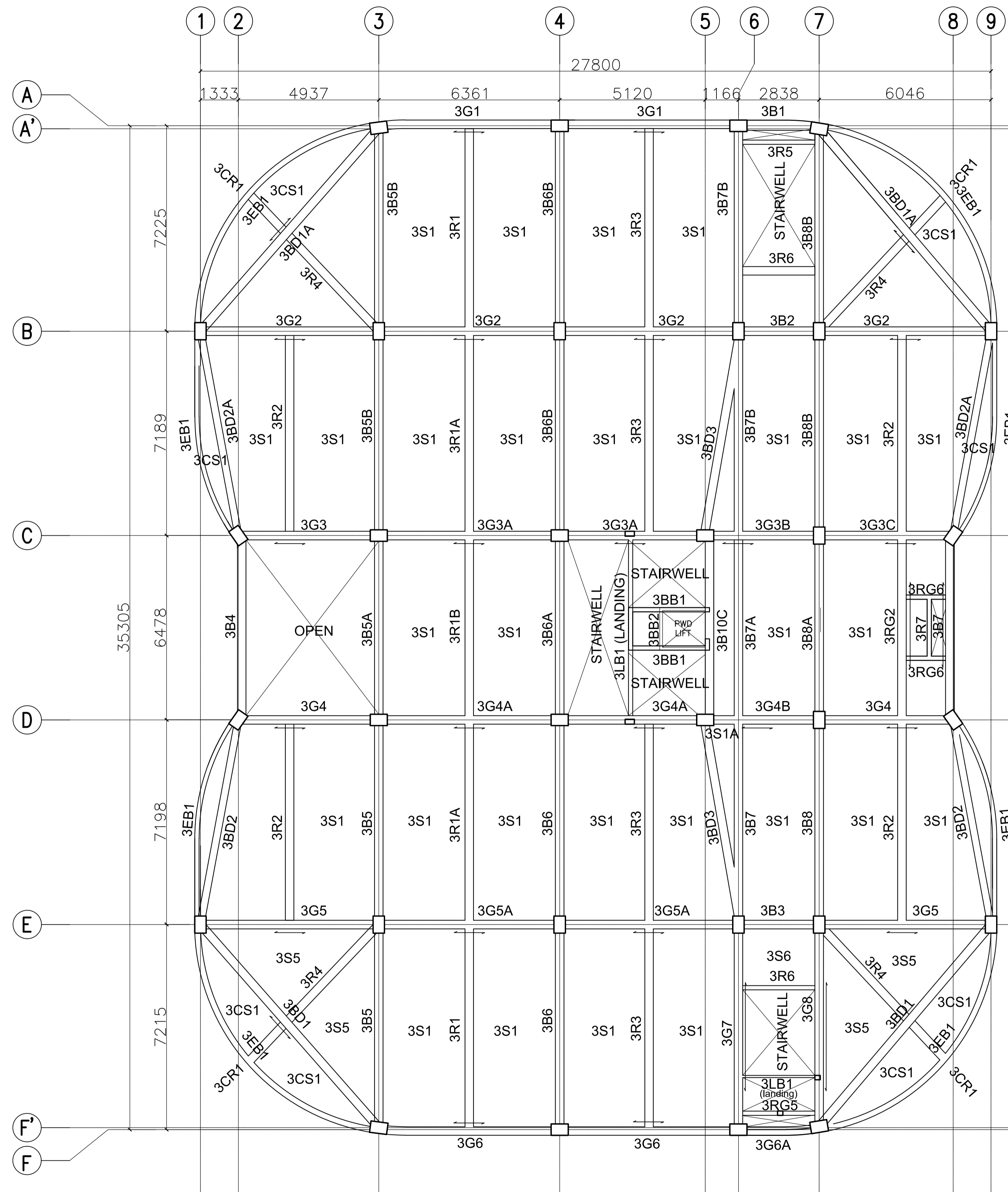
SHEET CONTENTS:

SECOND FLOOR FRAMING PLAN
---------------------------

SHEET NO:

<b>S</b>
<b>8 35</b>





ACADEMIC BUILDING II  
**THIRD FLOOR FRAMING PLAN**  
 SCALE: 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LUVIOLA HEIGHTS,  
 QUEZON CITY, 1106  
 431 3022 04  
 FAX NO. 827 1608;  
 426 7214

ENGINEER:  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER  
 PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

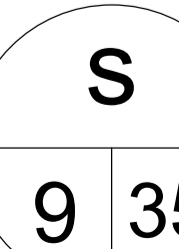
PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

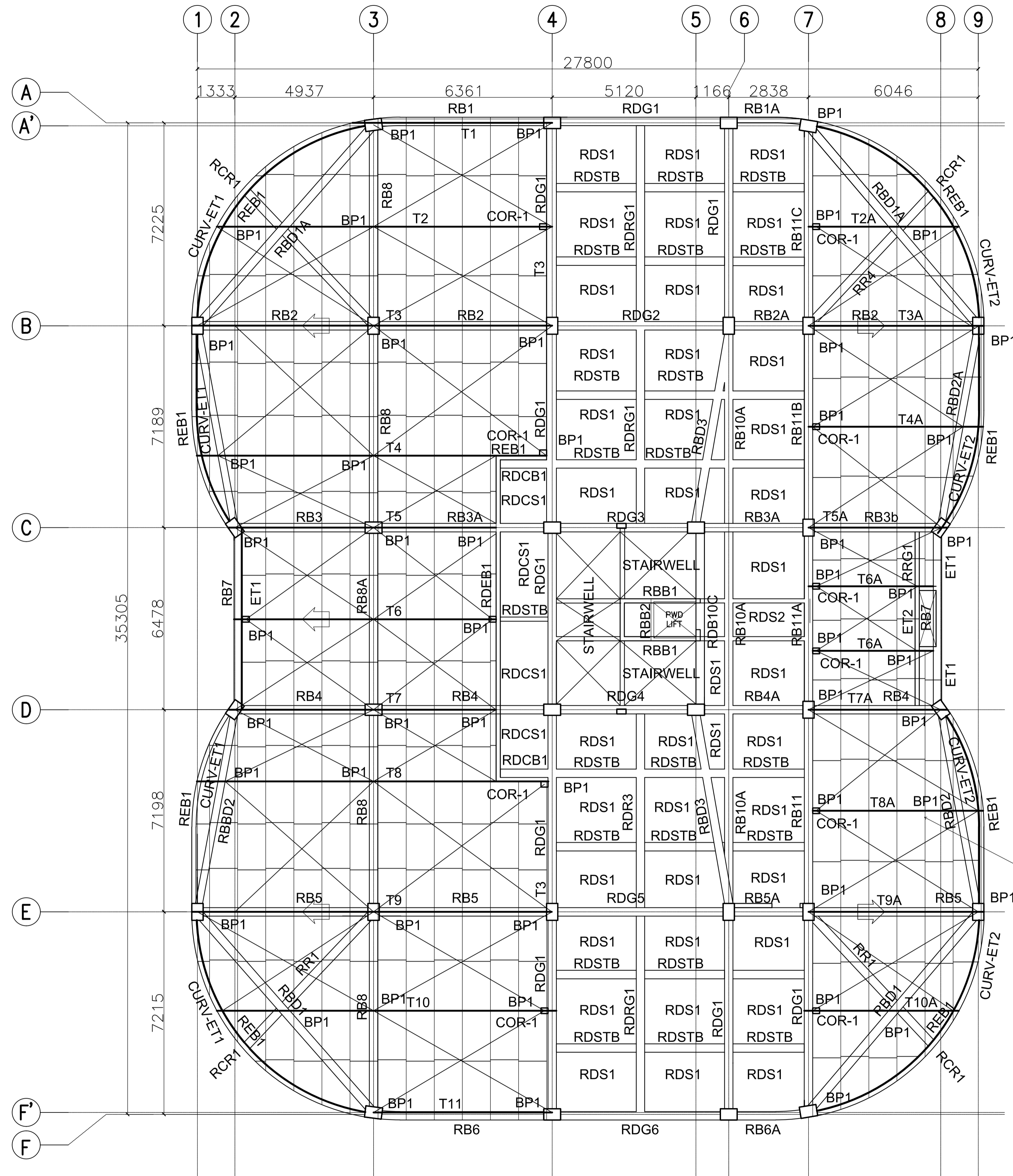
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 THIRD FLOOR FRAMING PLAN

SHEET NO:  






LC-50x175x12.5x1.5mm Purlins  
spaced @ 1000mm oc with 10mmØ  
sagrod, 12mmØ Cross Bracing  
& standard turnbuckles

ACADEMIC BUILDING II  
**ROOF FRAMING PLAN**  
SCALE: 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER	
PRC No. 0076960	Validity: 04-14-2023
PTR No. 8676828	Date: 01-07-2021
Place: MARIKINA CITY	TIN: 192-932-067

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

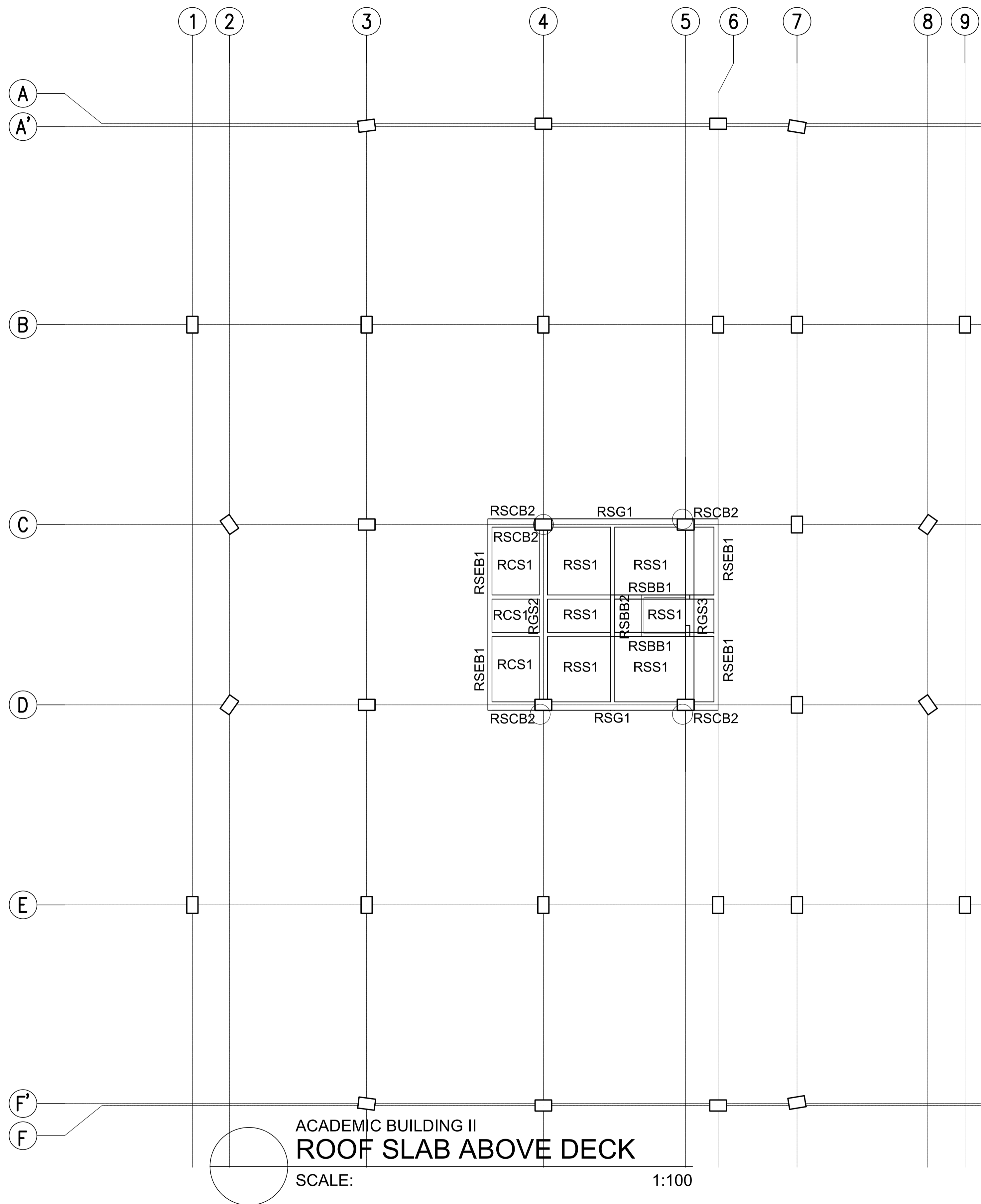
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
ROOF FLOOR FRAMING PLAN

SHEET NO:  
**S 10 35**





**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVE., LOYOLA HEIGHTS,  
QUEZON CITY, 1108  
431 3002.04  
FAX NO. 927 6606;  
431 7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

IN JOINT VENTURE WITH

ENGINEER:

**ARNEL NIXON D. TAÑAZANA**  
STRUCTURAL ENGINEER

PRC No. 0076960	Validity: 04-14-2023
PTR No. 8676828	Date: 01-07-2021
Place: MARIKINA CITY	TIN: 192-932-067

**REPUBLIC ACT 9266**

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:



REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

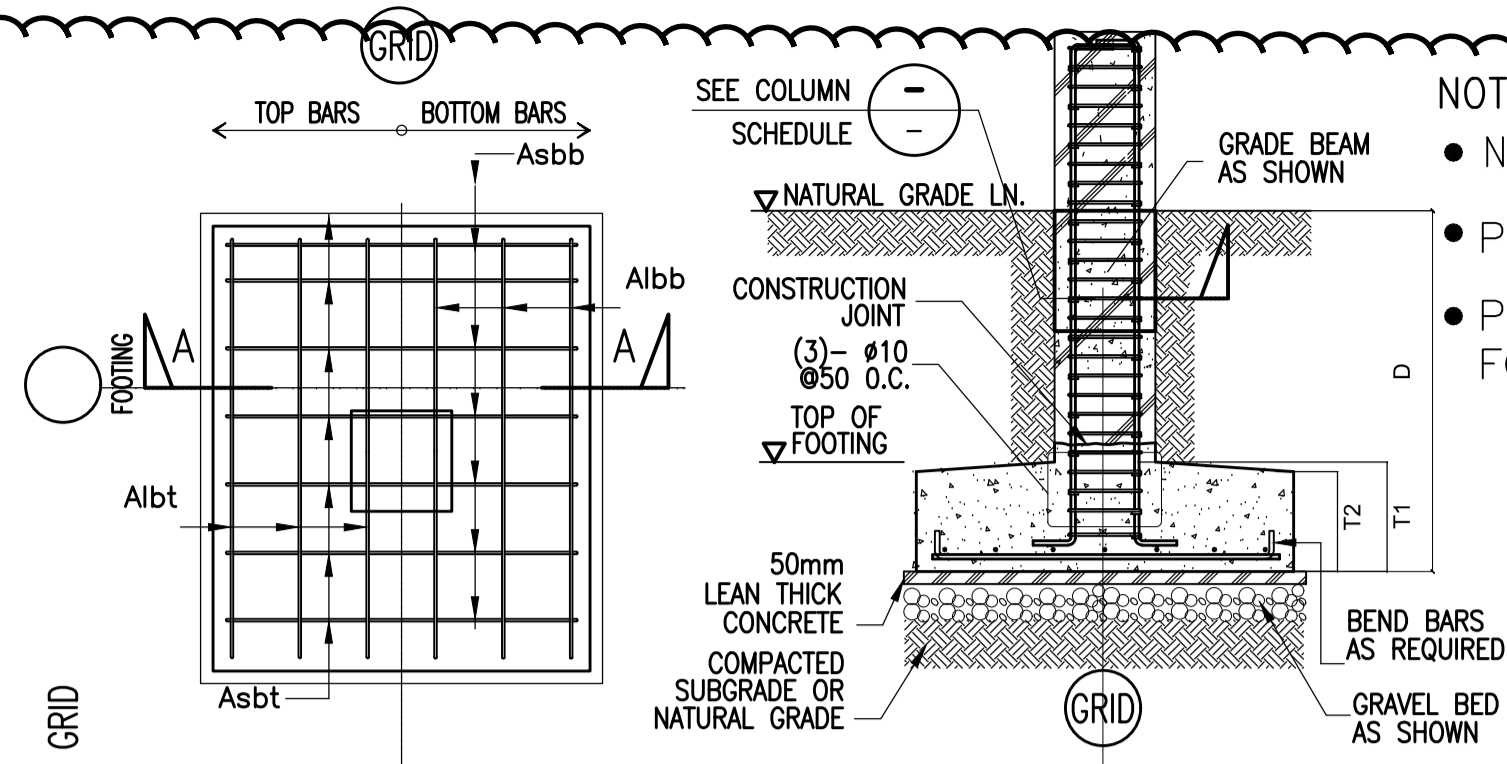
SHEET CONTENTS:

ROOFSLAB ABOVE DECK

SHEET NO:

**S**  
11 35

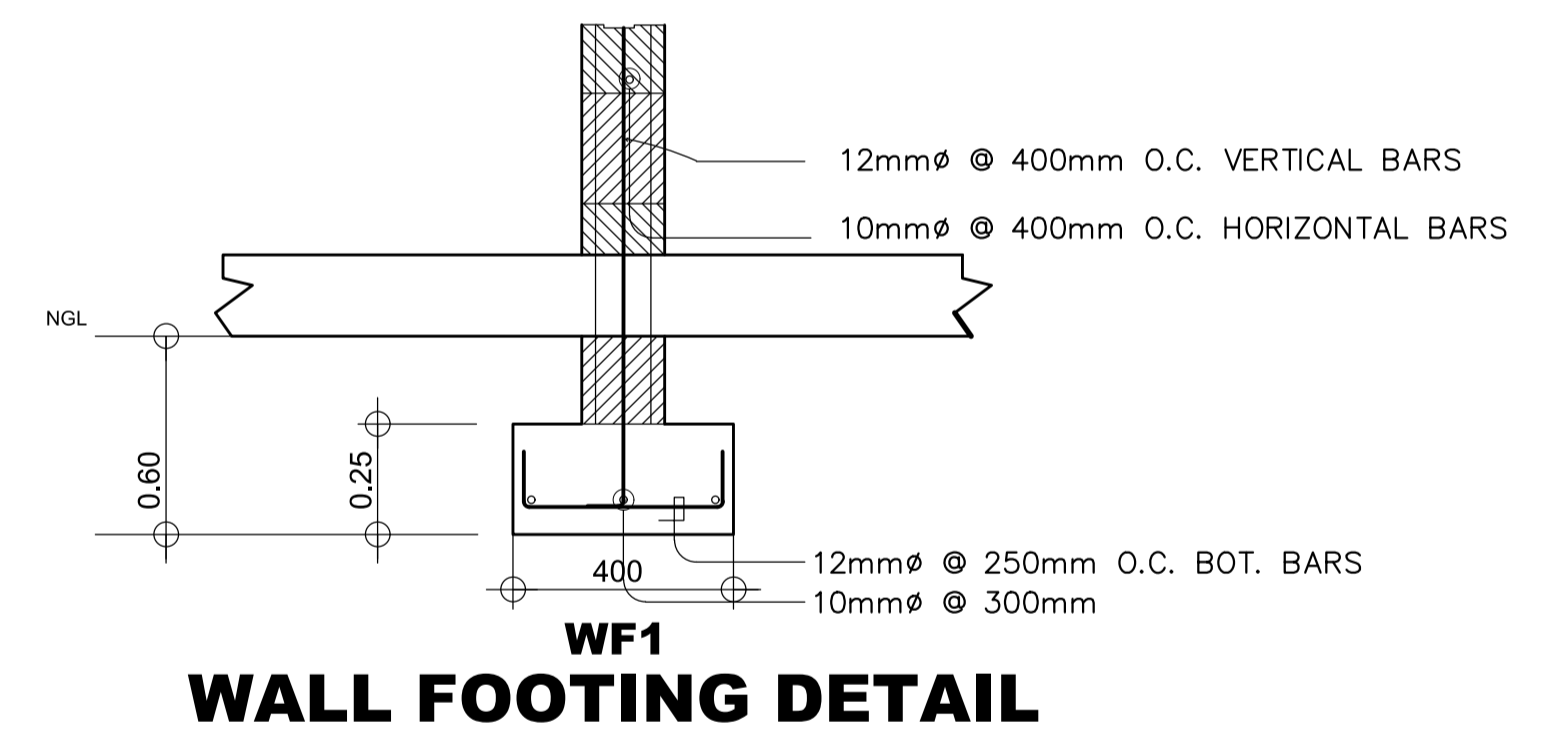




- NOTES :
- NO FOOTING SHALL REST ON FILL.
  - PROVIDE COMPACTED BACKFILL (95% MDD)
  - PROVIDE ADEQUATE LATERAL SUPPORT FOR ANY EXCAVATION.

**PLAN**  
**ACADEMIC BUILDING 2**  
**SCHEDULE OF FOOTINGS**

MARK	THICKNESS		DIMENSIONS		BAR REINFORCEMENT			DEPTH OF EXCAVATION	REMARKS
	T1	T2	WIDTH (W)	LENGTH (L)	BAR LOC.	ØX-DIRECTION	ØY-DIRECTION		
F1 @ Grid E/3	800	500	3500	3500	BOT	18 - 25mmØ	18 - 25mmØ	4.94m. below NGL (VER)	ISOLATED
F1 @ Grid E/4	800	500	3500	3500	BOT	18 - 25mmØ	18 - 25mmØ	3.859m. below NGL (VER)	ISOLATED
F2 @ Grid E/6	700	500	3000	3000	BOT	15 - 25mmØ	15 - 25mmØ	3.859m. below NGL (VER)	ISOLATED
F2 @ Grid E/7	700	500	3000	3000	BOT	15 - 25mmØ	15 - 25mmØ	3.50m. below NGL (VER)	ISOLATED
F3 @ Grid D/3	750	500	3000	3200	BOT	15 - 25mmØ	15 - 25mmØ	4.453m. below NGL (VER)	ISOLATED
F3 @ Grid D/4	750	500	3000	3200	BOT	15 - 25mmØ	15 - 25mmØ	3.729m. below NGL (VER)	ISOLATED
F4 @ Grid D/5	650	500	2950	2950	BOT	14 - 25mmØ	14 - 25mmØ	4.254m. below NGL (VER)	ISOLATED
F4 @ Grid D/7	650	500	2950	2950	BOT	14 - 25mmØ	14 - 25mmØ	4.254m. below NGL (VER)	ISOLATED
F5 @ Grid E/1	550	400	2400	2400	BOT	9 - 25mmØ	9 - 25mmØ	3.5m below NGL (VER)	ISOLATED
F5 @ Grid E/9	550	400	2200	2200	BOT	8 - 25mmØ	8 - 25mmØ	3.5m below NGL (VER)	ISOLATED
F6 @ Grid F/4	550	300	2400	2400	BOT	9 - 25mmØ	9 - 25mmØ	3.5m below NGL (VER)	ISOLATED
F7 @ Grid F/6	550	300	2400	2400	BOT	9 - 25mmØ	9 - 25mmØ	3.5m below NGL (VER)	ISOLATED
F8 @ Grid F/7	550	300	2350	2350	BOT	9 - 25mmØ	9 - 25mmØ	3.5m below NGL (VER)	ISOLATED
F9 @ Grid F/3	650	300	2650	2650	BOT	11 - 25mmØ	11 - 25mmØ	3.5m below NGL (VER)	ISOLATED
F10 @ Grid D/2	550	300	2350	2350	BOT	9 - 25mmØ	9 - 25mmØ	4.792m. below NGL (VER)	ISOLATED
F10 @ Grid D/8	550	300	2350	2350	BOT	9 - 25mmØ	9 - 25mmØ	4.254m. below NGL (VER)	ISOLATED
F11 @ Grid B/3	800	500	3500	3500	BOT	18 - 25mmØ	18 - 25mmØ	5.887m. below NGL (VER)	ISOLATED
F11 @ Grid B/4	800	500	3500	3500	BOT	18 - 25mmØ	18 - 25mmØ	5.450m. below NGL (VER)	ISOLATED
F12 @ Grid B/6	750	500	3400	3400	BOT	17 - 25mmØ	17 - 25mmØ	4.801m. below NGL (VER)	ISOLATED
F12 @ Grid B/7	750	500	3400	3400	BOT	17 - 25mmØ	17 - 25mmØ	4.801m. below NGL (VER)	ISOLATED
F14 @ Grid B/1	750	500	3000	3200	BOT	15 - 25mmØ	15 - 25mmØ	6.16m. below NGL (VER)	ISOLATED
F14 @ Grid B/9	750	500	3000	3200	BOT	15 - 25mmØ	15 - 25mmØ	4.116m. below NGL (VER)	ISOLATED
F15 @ Grid C/3	800	500	3500	3500	BOT	18 - 25mmØ	18 - 25mmØ	5.323m. below NGL(VER)	ISOLATED
F15 @ Grid C/4	800	500	3500	3500	BOT	18 - 25mmØ	18 - 25mmØ	4.549m. below NGL(VER)	ISOLATED
F16 @ Grid C/5	800	500	3500	3500	BOT	18 - 25mmØ	18 - 25mmØ	5.004m. below NGL (VER)	ISOLATED
F16 @ Grid C/7	800	500	3500	3500	BOT	18 - 25mmØ	18 - 25mmØ	4.749m. below NGL (VER)	ISOLATED
F17 @ Grid C/2	750	500	3400	3400	BOT	17 - 25mmØ	17 - 25mmØ	6.360m. below NGL (VER)	ISOLATED
F17 @ Grid C/8	750	500	3400	3400	BOT	17 - 25mmØ	17 - 25mmØ	4.884m. below NGL (VER)	ISOLATED
F18 @ GRID A'/4	600	400	2750	2750	BOT	10 - 25mmØ	10 - 25mmØ	5.439m. below NGL (VER)	ISOLATED
F19 @ GRID A'/6	600	400	2750	2750	BOT	10 - 25mmØ	10 - 25mmØ	5.254m. below NGL (VER)	ISOLATED
F20 @ GRID A'/3	550	300	2500	2500	BOT	10 - 25mmØ	10 - 25mmØ	5.89m. below NGL (VER)	ISOLATED
F21 @ GRID A'/7	550	300	2500	2500	BOT	10 - 25mmØ	10 - 25mmØ	4.753m. below NGL (VER)	ISOLATED
PELF1 @ GRID C-D/5	600	600	3000	4200	TOP	15 - 20mmØ	21 - 20mmØ	4.795m. NGL (VER)	MAT
					BOT	15 - 25mmØ	21 - 25mmØ		
STF1	300	300	1250	1250	BOT	7 - 16mmØ	7 - 25mmØ	3.5m. below NGL (VER)	ISOLATED
STF2	300	300	900	900	BOT	5 - 16mmØ	5 - 16mmØ	4.539m. below NGL (VER)	ISOLATED



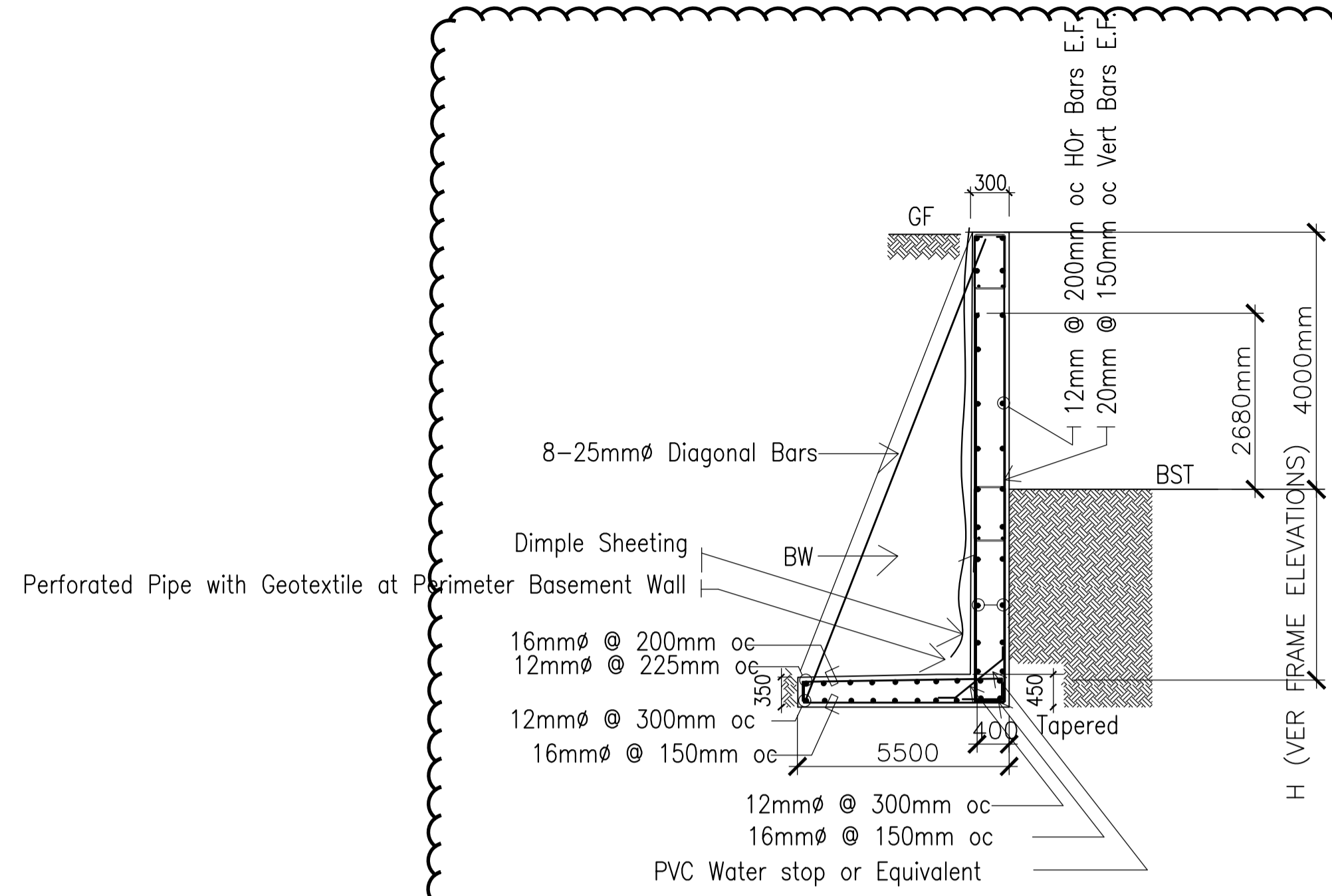
**WF1**  
**WALL FOOTING DETAIL**

NOTES:  
SEE FRAME ELEVATIONS TO VERIFY FOOTING EMBEDMENT

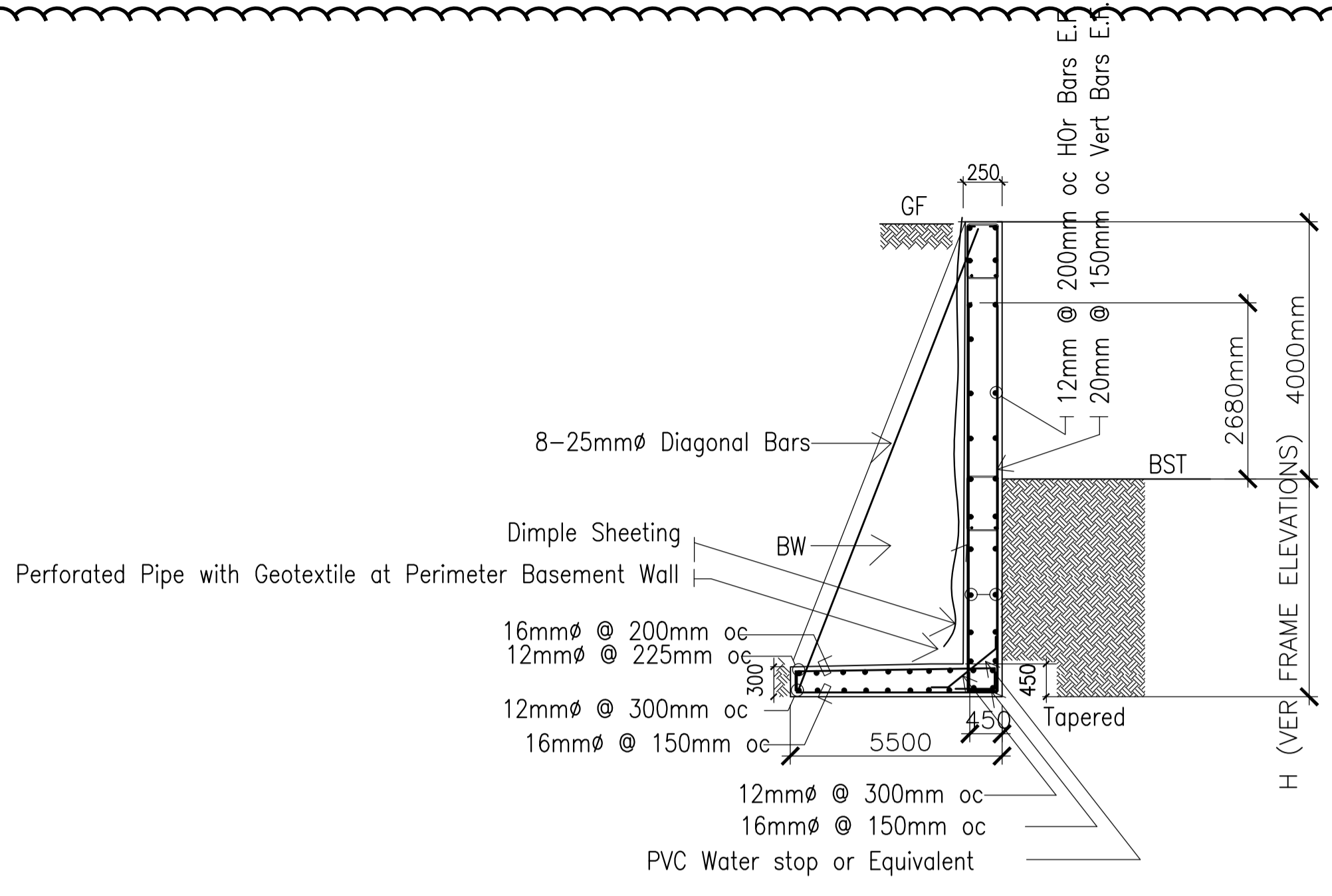
ACADEMIC BUILDING II  
**FOOTING SCHEDULE**  
SCALE: \_\_\_\_\_ NTS

<p><b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p> <p><small>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3022-04 FAX NOS. 927-6606, 43-7214</small></p>	<p>ENGINEER:</p> <p><b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER</p> <p>PRC No. 0076960 Validity: 04-14-2023 PTR No. 8676828 Date: 01-07-2021 Place: MARIKINA CITY TIN: 192-932-067</p>	<p>REPUBLIC ACT 9266</p> <p><small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small></p>	<p>PROJECT:</p> <p><b>PROPOSED</b> <b>ACADEMIC BUILDING II</b></p> <p>LOCATION: Brgy. Rizal, Odiongan, Romblon</p>	<p>DESIGNED FOR:</p> <p>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p>	<p>RECOMMENDING APPROVAL:</p> <p><b>MERIAM F. FALLAR</b> FAD CHIEF</p>	<p>APPROVED BY:</p> <p><b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR</p>	<p>SHEET CONTENTS:</p> <p>FOOTING SCHEDULE</p>	<p>SHEET NO:</p> <p><b>S</b> <b>11a35</b></p>
--	---	---	--	---	--	---	--	---

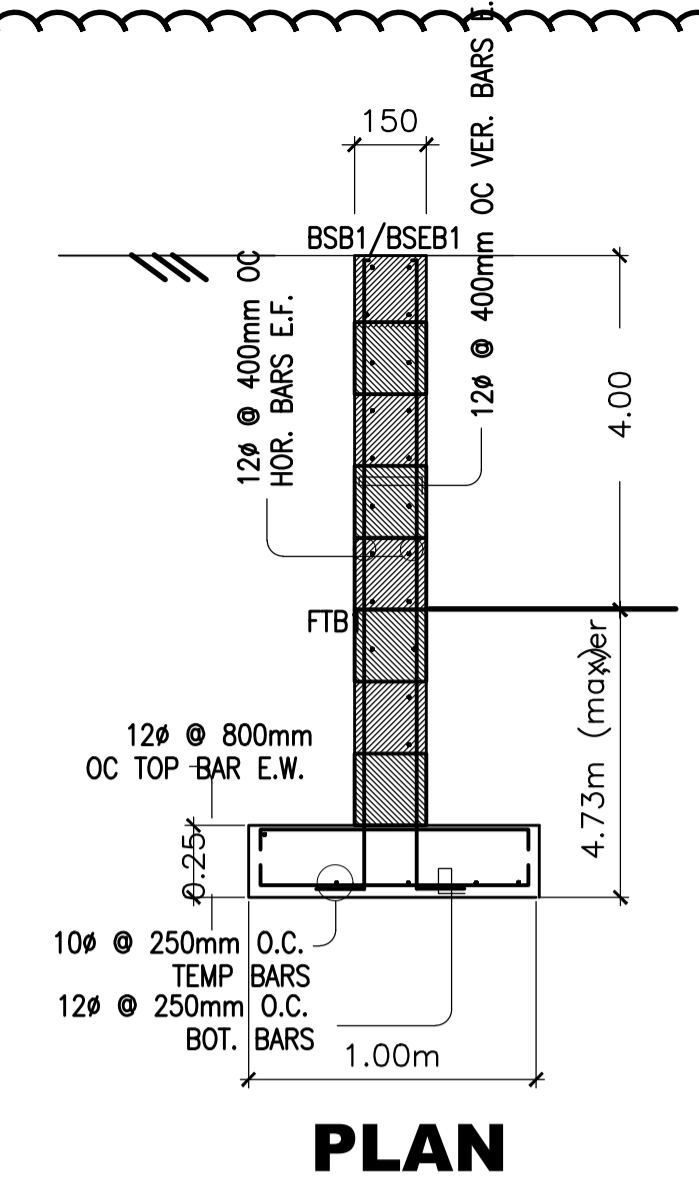




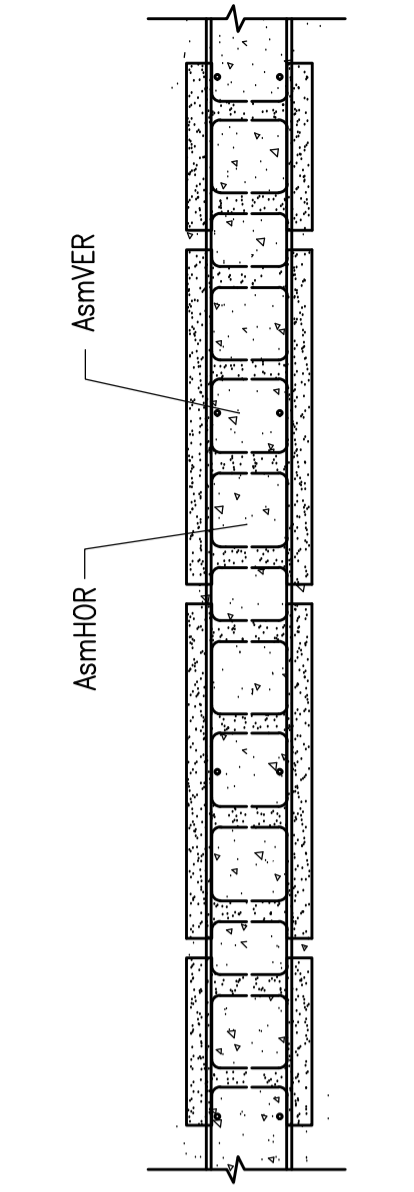
RW1/RWF1



RWA/RWFA



PLAN

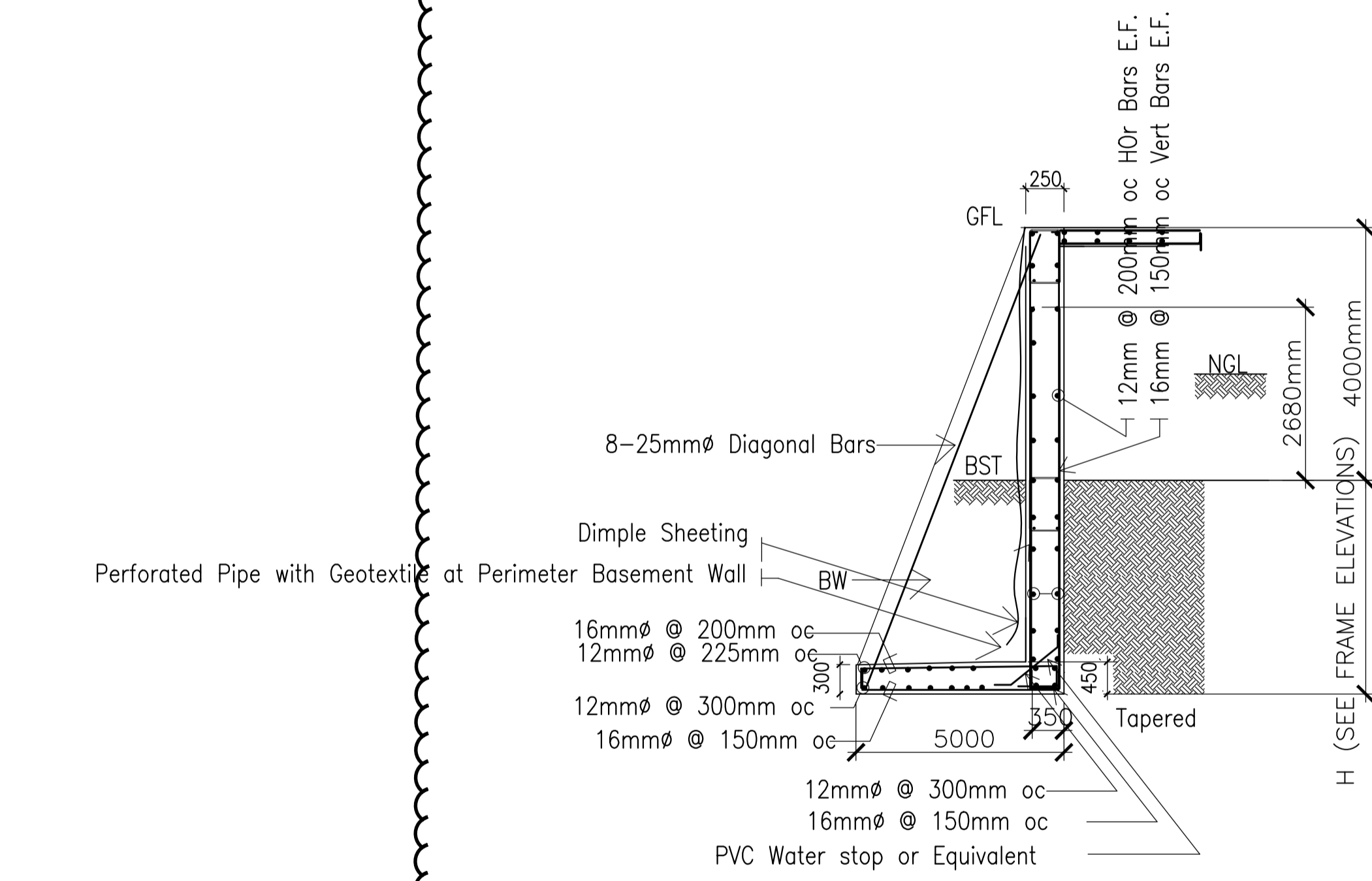


SECTION

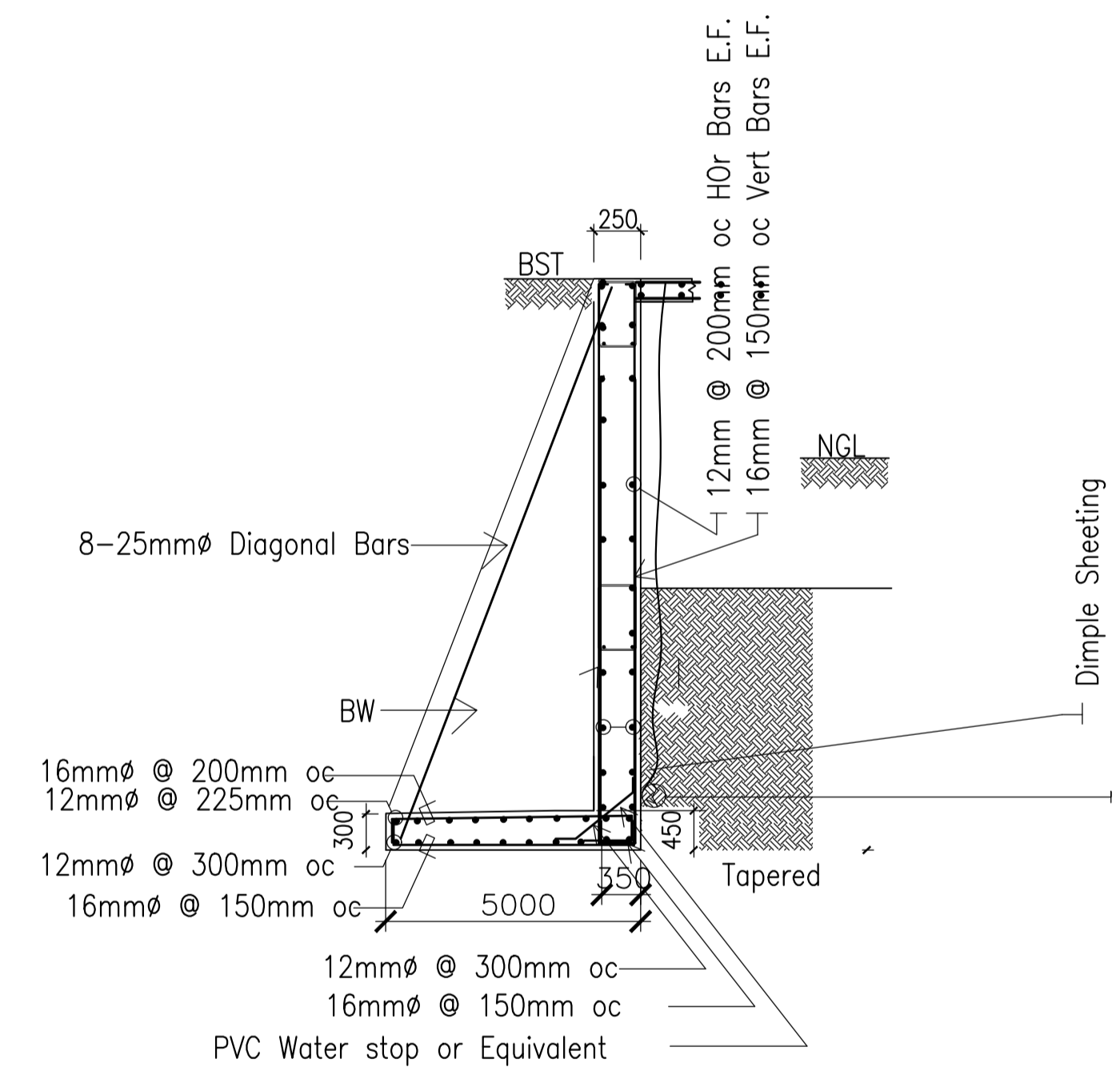
**MW1/MWF1**  
**MASONRY WALL REINFORCEMENT DETAIL**  
**FDN UP TO BASEMENT BEAM SOFFIT**

ACADEMIC BUILDING II  
**MASONRY WALL DETAIL**

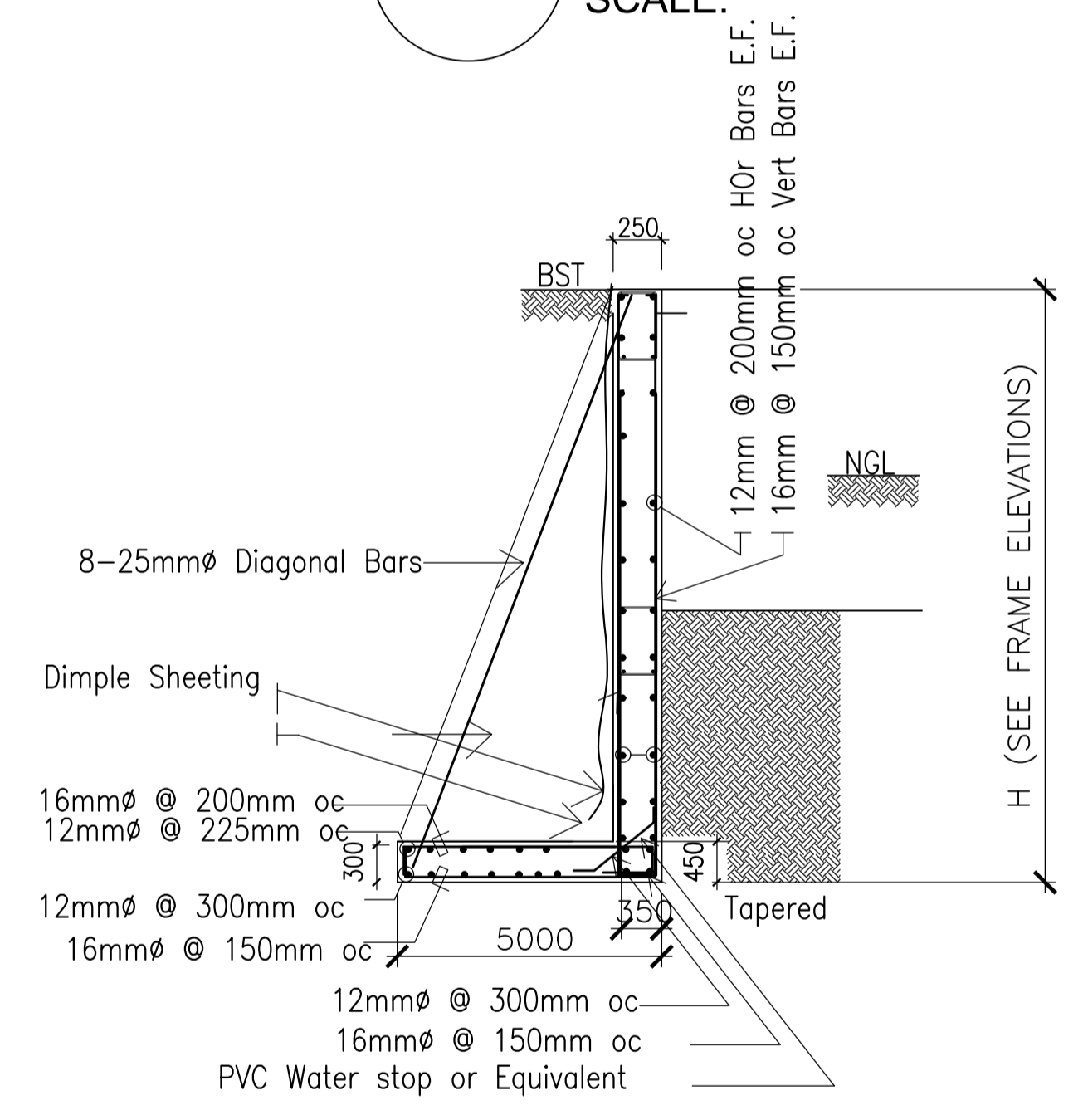
SCALE: 1:100



RW2/RWF2



RW3/RWF3

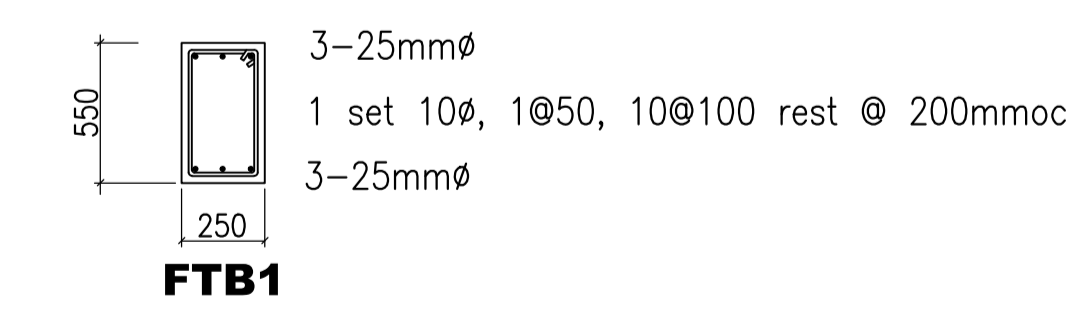


RW3ARWF3A

- NOTES:
- BW (Butress Wall) : 150mm thk with 12mm @ 200mm OC VB EF & 10mm @ 200mm OC HB EF
  - Verify frame elevations for footing embedments
  - Diagonal Bars is continuous without splice

ACADEMIC BUILDING II  
**RETAINING WALL DETAILS**

SCALE: NTS



FTB1

ACADEMIC BUILDING II  
**FOOTING TIE BEAM DETAILS**


SCALE: NTS

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LUVILA HEIGHTS QUEZON CITY, 1106  
 TEL. NOS. 43-7009; 43-3022-04 FAX NOS. 927-6608; 43-7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:	
<b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER	
PRC No. 0076960	Validity: 04-14-2023
PTR No. 8676828	Date: 01-07-2021
Place: MARIKINA CITY	TIN: 192-932-067

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:	<b>PROPOSED ACADEMIC BUILDING II</b>
DESIGNED FOR:	 REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MARIKINA REGIONAL CAMPUS
LOCATION:	Brgy. Rizal, Odiangan, Romblon

RECOMMENDING APPROVAL:	<b>MERIAM F. FALLAR</b> FAD CHIEF
APPROVED BY:	<b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR

SHEET CONTENTS:	FOOTING SCHEDULE
-----------------	------------------

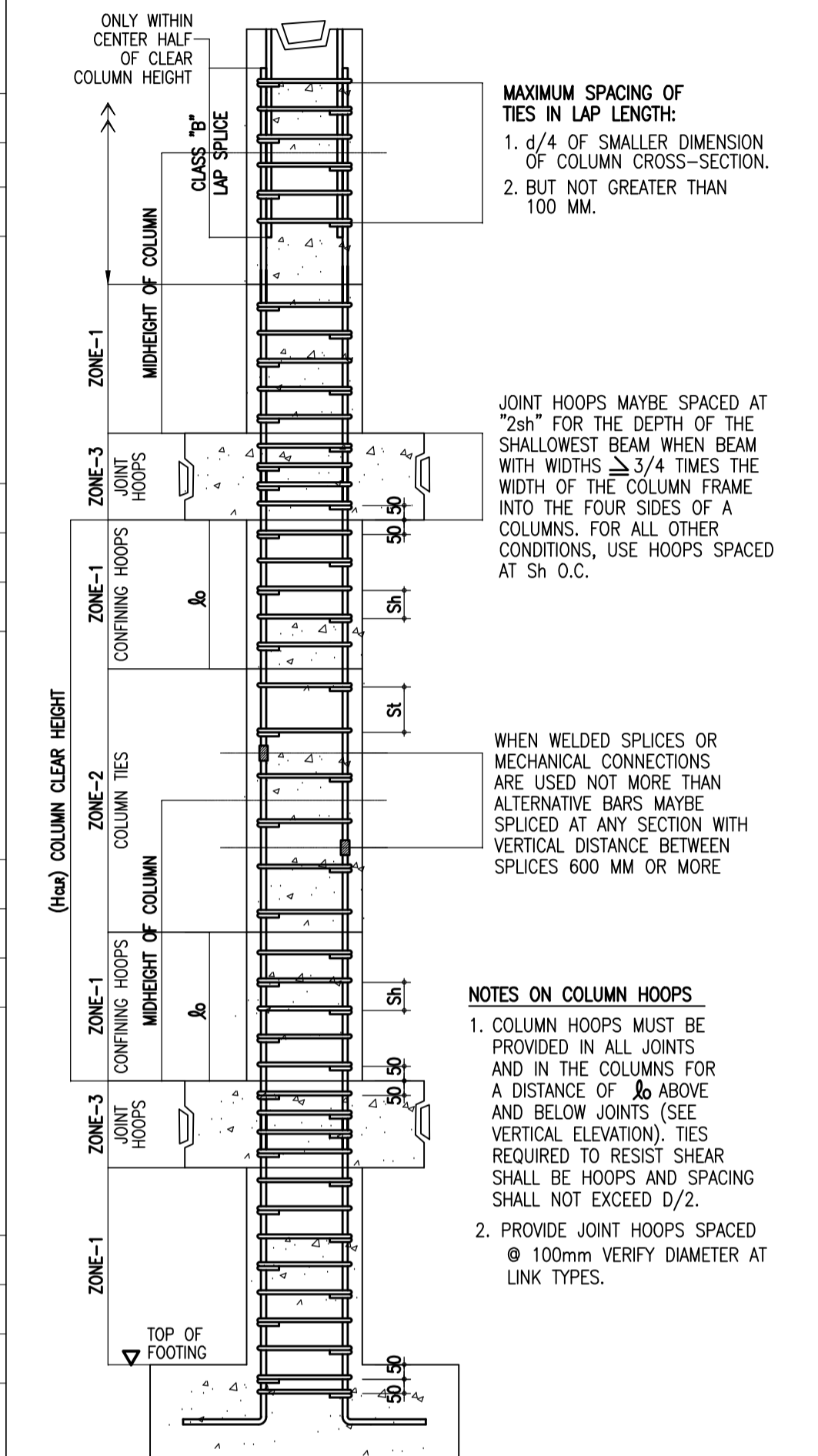
SHEET NO.:	<b>S</b> 12 35
------------	-------------------



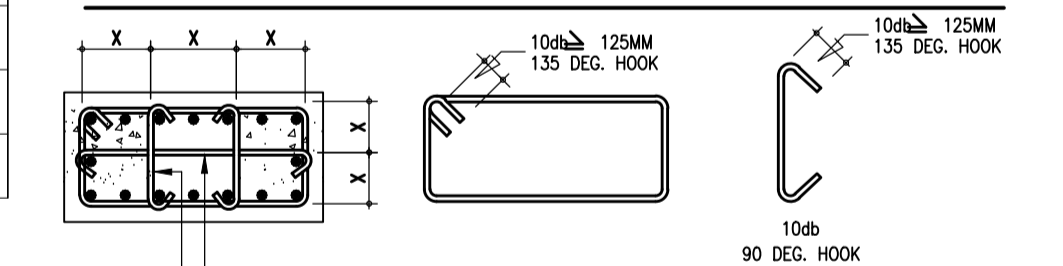
**SCHEDULE OF COLUMN**

LEVEL	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
<b>ROOFDECK TO ROOFSLAB</b>												
<b>DIMENSIONS</b>			300x600	300x600								300x600
<b>VERTICAL BARS</b>			12-20mmØ	12-20mmØ								12-20mmØ
<b>TIES</b>			C	C								C
<b>THIRD TO ROOFDECK</b>												
<b>DIMENSIONS</b>	350x600	350x600	350x600	350x600	350x600	350x600	350x600	350x600	350x600	350x600	350x600	350x600
<b>VERTICAL BARS</b>	16-25Ø/8-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø	8-25mmØ/12-20Ø	8-25mmØ/12-20Ø	8-25mmØ/12-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø
<b>TIES</b>	B	B	B	B	B	B	B	B	B	B	B	B
<b>SECOND TO THIRD FLOOR</b>												
<b>DIMENSIONS</b>	400x650	400x650	400x650	400x650	400x650	400x650	400x650	400x650	400x650	400x650	400x650	400x650
<b>VERTICAL BARS</b>	20-25mmØ/4-20Ø	20-25mmØ/4-20Ø	20-25mmØ/4-20Ø	20-25mmØ/4-20Ø	20-25mmØ/4-20Ø	12-25mmØ/8-20Ø	12-25mmØ/8-20Ø	12-25mmØ/8-20Ø	12-25mmØ/8-20Ø	12-25mmØ/8-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø
<b>TIES</b>	B	B	B	B	B	B	B	B	B	B	B	B
<b>GROUND FLOOR TO SECOND FLOOR</b>												
<b>DIMENSIONS</b>	500x700	500 x700	500x700	500x700	500x700	500x700	500x700	500x700	500x700	500x700	450x650	450x650
<b>VERTICAL BARS</b>	24-25mmØ	24-25mmØ	24-25mmØ	24-25mmØ	24-25mmØ	16-25Ø / 8-20Ø	16-25Ø / 8-20Ø	16-25Ø / 8-20Ø	24-25mmØ	24-25mmØ	20-25mmØ/4-20Ø	20-25mmØ/4-20Ø
<b>TIES</b>	A	A	A	A	A	A	A	A	A	A	A	A
<b>FOUNDATION TO GROUND FLOOR</b>												
<b>DIMENSIONS</b>	500x700	500 x700	500x700	500x700	500x700	500x700	500x700	500x700	500x700	500x700	450x650	450x650
<b>VERTICAL BARS</b>	24-25mmØ	24-25mmØ	24-25mmØ	24-25mmØ	24-25mmØ	20-25Ø / 4-20Ø	20-25Ø / 4-20Ø	20-25Ø / 4-20Ø	24-25mmØ	24-25mmØ	20-25mmØ/4-20Ø	20-25mmØ/4-20Ø
<b>TIES</b>	1	1	1	1	1	1	1	1	1	1	1	1

**TYPICAL COLUMN REINFORCEMENT ELEVATION**



**TYPICAL TRANSVERSE REINF. IN COLUMN**



**LINK TYPES :**

- 1 - 6 SETS 12mmØ, 1Ø50, rest @ 100mmoc
- A - 6 SETS 12mmØ, 1Ø50 12Ø100 rest @ 150mmoc
- B - 6 SETS Ties, 12mmØ, 1Ø50, 12Ø100 REST @ 200mm OC
- C - 4 SETS 12mmØ Ties, 1Ø50 12Ø100 rest @ 200mmoc

**1 COLUMN SCHEDULE**  
SCALE: NTS

NOTES:  
PROVIDE 20mm Concrete Cover for A-ELC1

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106  
 TEL. NOS. 43-7009, 43-3022-04 FAX NOS. 927-6608, 43-7214

**ENGINEER:**  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER  
 PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

**REPUBLIC ACT 9266**  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

**PROJECT:**  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

**DESIGNED FOR:**  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

**RECOMMENDING APPROVAL:**  
**MERIAM F. FALLAR**  
 FAD CHIEF

**APPROVED BY:**  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

**SHEET CONTENTS:**  
 COLUMN SCHEDULE

**SHEET NO.:**  
**S**  
**13 35**



**SCHEDULE OF COLUMN**

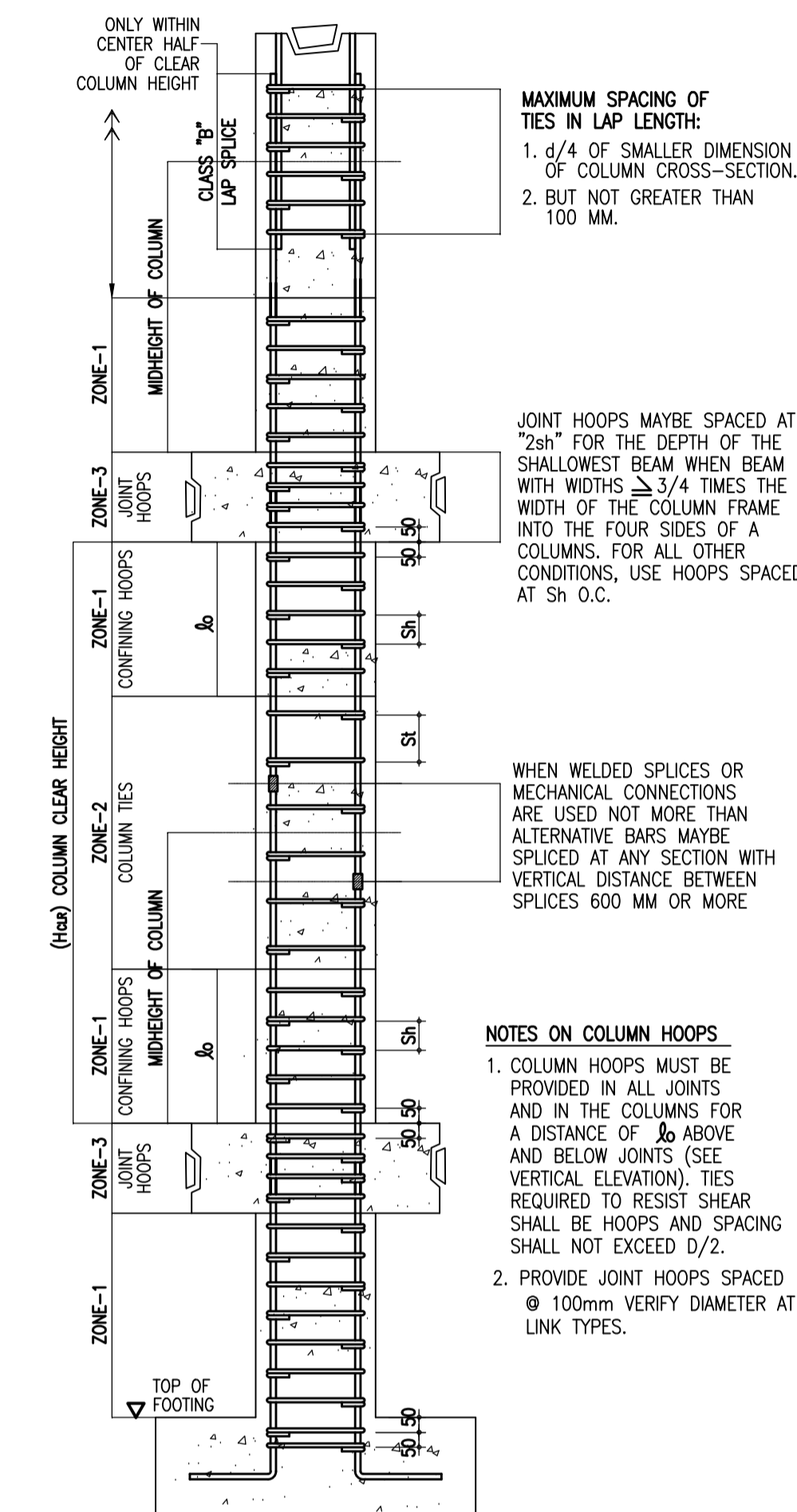
LEVEL	C14	C15	C16	C17	C18	C19	C20	C21	STC1
<b>ROOFDECK TO ROOFSLAB</b>									
<b>DIMENSIONS</b>		300x600	300x600						
<b>VERTICAL BARS</b>		12-20mmØ	12-20mmØ						
<b>TIES</b>		C	C						
<b>THIRD TO ROOFDECK</b>									
<b>DIMENSIONS</b>	350x600	350x600	350x600	350x600	350x600	350x600	350x600	350x600	250X400
<b>VERTICAL BARS</b>	16-25Ø/8-20Ø	8-25mmØ/12-20Ø	8-25mmØ/12-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø	8-25mmØ/12-20Ø	8-25mmØ/12-20Ø	8-25mmØ/12-20Ø	4-20Ø / 8-16mmØ
<b>TIES</b>	B	B	B	B	B	B	B	B	D
<b>SECOND TO THIRD FLOOR</b>									
<b>DIMENSIONS</b>	450x650	350x600	350x600	400x650	400x650	350x600	350x600	350x600	250X400
<b>VERTICAL BARS</b>	16-25Ø/8-20Ø	8-25mmØ/12-20Ø	8-25mmØ/12-20Ø	16-25Ø/8-20Ø	16-25Ø/8-20Ø	8-25mmØ/12-20Ø	8-25mmØ/12-20Ø	8-25mmØ/12-20Ø	4-20Ø / 8-16mmØ
<b>TIES</b>	B	B	B	B	B	B	B	B	D
<b>GROUND FLOOR TO SECOND FLOOR</b>									
<b>DIMENSIONS</b>	500x700	450x650	450x650	500x700	500x700	450x650	450x650	450x650	250X400
<b>VERTICAL BARS</b>	20-25mmØ/4-20Ø	12-25mmØ/8-20Ø	12-25mmØ/8-20Ø	12-25mmØ/8-20Ø	16-25Ø/8-20Ø	12-25mmØ/8-20Ø	12-25mmØ/8-20Ø	12-25mmØ/8-20Ø	4-20Ø / 8-16mmØ
<b>TIES</b>	A	A	A	A	A	A	A	A	D
<b>FOUNDATION TO GROUND FLOOR</b>									
<b>DIMENSIONS</b>	450x650	500x700	500x700	500x700	450x650	500x700	500x700	500x700	250X400
<b>VERTICAL BARS</b>	20-25mmØ/4-20Ø	16-25Ø / 8-20Ø	16-25Ø / 8-20Ø	12-25mmØ/8-20Ø	16-25Ø/8-20Ø	16-25Ø / 8-20Ø	16-25Ø / 8-20Ø	16-25Ø / 8-20Ø	4-20Ø / 8-16mmØ
<b>TIES</b>	1	1	1	1	1	1	1	1	D

**LINK TYPES :**

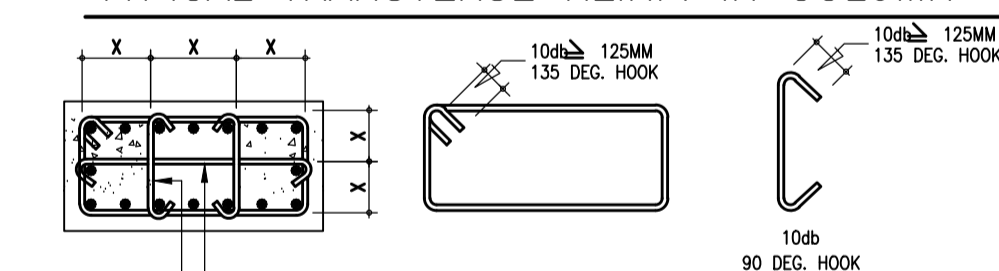
- 1 - 6 SETS 12mmØ, 1Ø50, rest @ 100mmoc
- A - 6 SETS 12mmØ, 1Ø50 12Ø100 rest @ 150mmoc
- B - 6 SETS Ties, 12mmØ, 1Ø50, 12Ø100 REST @ 200mm OC
- C - 4 SETS 12mmØ Ties, 1Ø50 12Ø100 rest @ 200mmoc
- D - 2 SETS 10mmØ Ties, 1Ø50 8Ø100 rest @ 200mmoc

**1 COLUMN SCHEDULE**  
SCALE: NTS

**TYPICAL COLUMN REINFORCEMENT ELEVATION**



**TYPICAL TRANSVERSE REINF. IN COLUMN**



CONSECUTIVE CROSSIES MUST MAKE THEIR 90 DEG HOOK ON OPPOSITE SIDES OF COLUMNS (HORIZONTAL AND VERTICAL INSTALLATION)  
**NOTES:**  
PROVIDE 20mm Concrete Cover for A-ELC1

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106  
TEL. NOS. 43-7009, 43-3022-04 FAX NOS. 927-0606, 43-7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:  
**ARNEL NIXON D. TAÑAZANA**  
STRUCTURAL ENGINEER  
PRC No. 0076960 Validity: 04-14-2023  
PTR No. 8676828 Date: 01-07-2021  
Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF


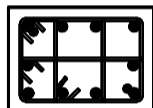
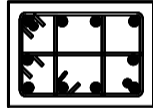
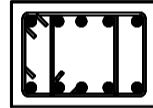
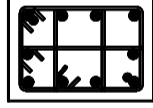
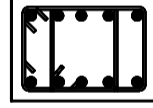
APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
COLUMN SCHEDULE

SHEET NO:  
**S 14 35**





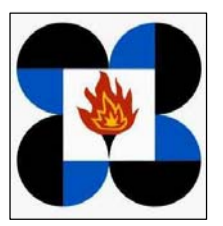
**SCHEDULE OF COLUMN**

LEVEL	STC1	STC2
<b>ROOFDECK TO ROOFSLAB</b>		
<b>DIMENSIONS</b>		
<b>VERTICAL BARS</b>		
<b>TIES</b>		
<b>THIRD TO ROOFDECK</b>		
<b>DIMENSIONS</b>	<b>250X400</b>	
<b>VERTICAL BARS</b>	<b>4-20Ø / 8-16mmØ</b>	
<b>TIES</b>	<b>D</b>	
<b>SECOND TO THIRD FLOOR</b>		
<b>DIMENSIONS</b>	<b>250X400</b>	
<b>VERTICAL BARS</b>	<b>4-20Ø / 8-16mmØ</b>	
<b>TIES</b>	<b>D</b>	
<b>GROUND FLOOR TO SECOND FLOOR</b>		
<b>DIMENSIONS</b>	<b>250X400</b>	<b>200X450</b>
<b>VERTICAL BARS</b>	<b>4-20Ø / 8-16mmØ</b>	<b>10-16mmØ</b>
<b>TIES</b>	<b>D</b>	<b>D</b>
<b>FOUNDATION TO GROUND FLOOR</b>		
<b>DIMENSIONS</b>	<b>250X400</b>	<b>200X450</b>
<b>VERTICAL BARS</b>	<b>4-20Ø / 8-16mmØ</b>	<b>10-16mmØ</b>
<b>TIES</b>	<b>D</b>	<b>D</b>

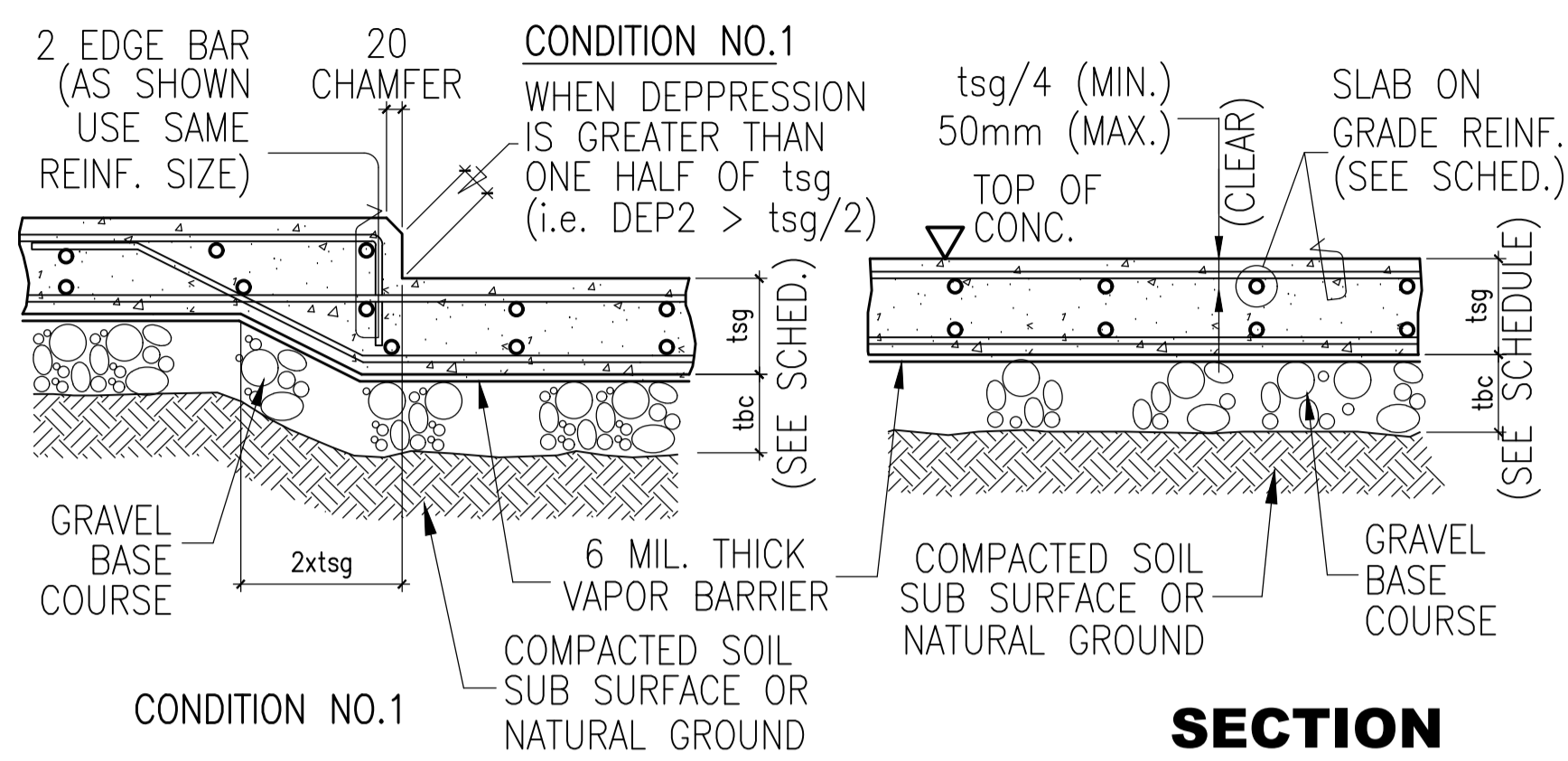
**LINK TYPES :**

- 1 - 6 SETS 12mmØ, 1Ø50, rest @ 100mmoc
- A - 6 SETS 12mmØ, 1Ø50 12Ø100 rest @ 150mmoc
- B - 6 SETS Ties, 12mmØ, 1Ø50, 12Ø100 REST @ 200mm OC
- C - 4 SETS 12mmØ Ties, 1Ø50 12Ø100 rest @ 200mmoc
- D - 2 SETS 10mmØ Ties, 1Ø50 8Ø100 rest @ 200mmoc

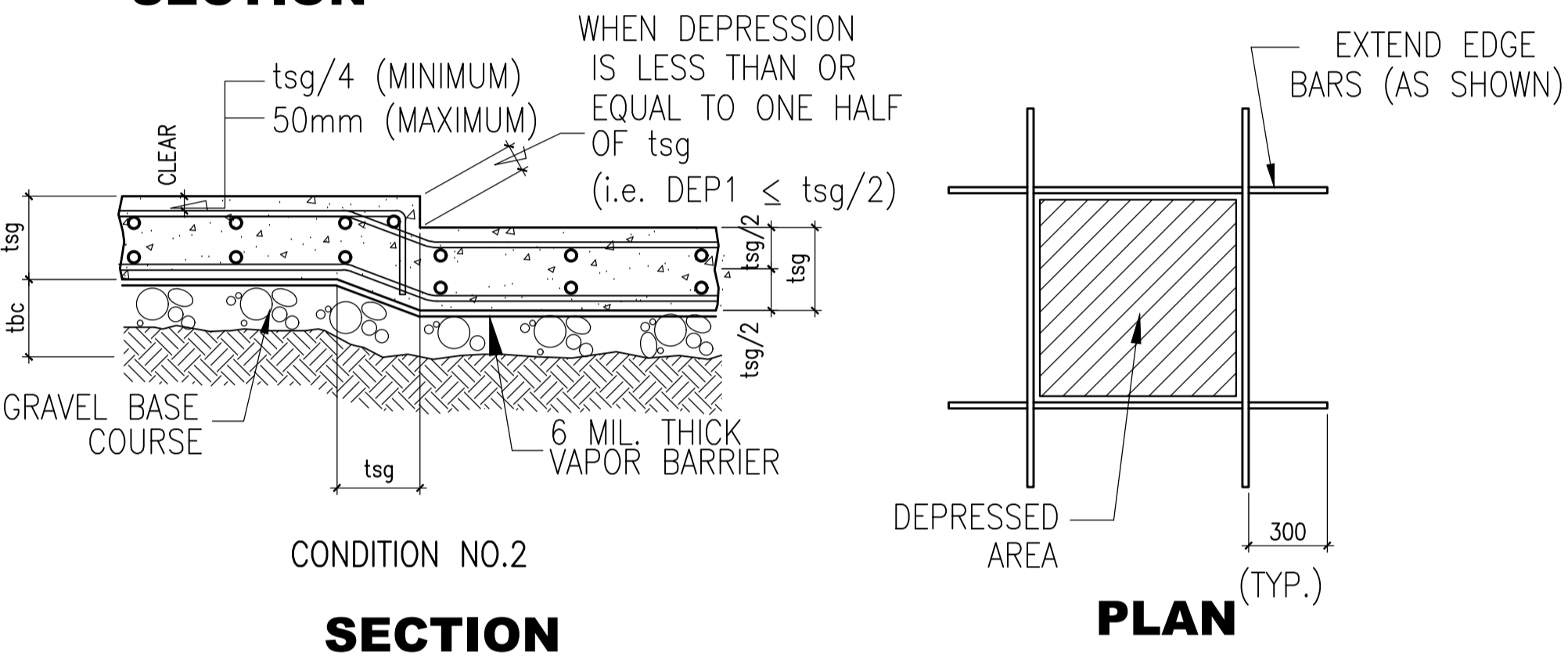
**1 COLUMN SCHEDULE**  
SCALE: \_\_\_\_\_ NTS

 <b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH  <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: COLUMN SCHEDULE	SHEET NO: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> <p><b>S</b></p> <p><b>14a 35</b></p> </div> </div>
	SUTE: 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3022-04 FAX NOS. 927-6606, 43-7214	PRC No. 0076960      Validity: 04-14-2023 PTR No. 8676828      Date: 01-07-2021 Place: MARIKINA CITY      TIN: 192-932-067		LOCATION: Brgy. Rizal, Odiongan, Romblon				





SECTION

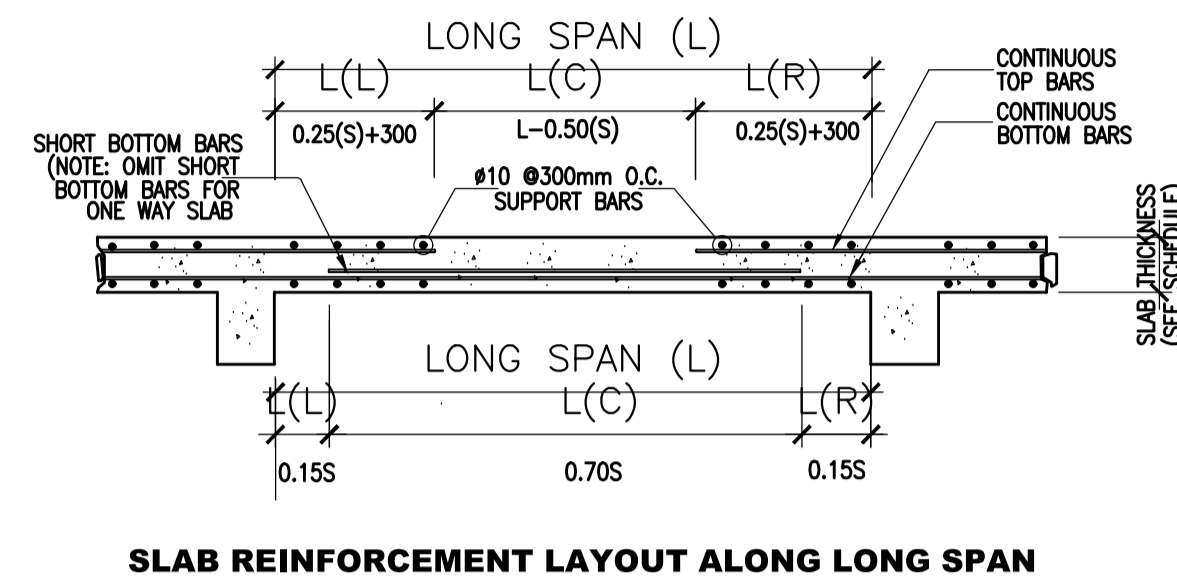


SECTION

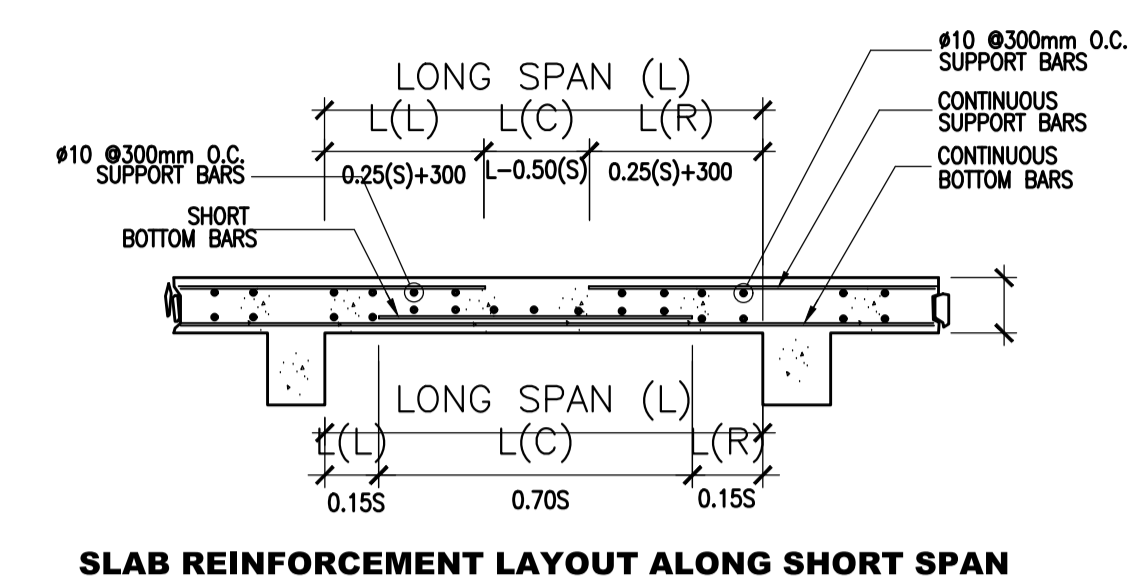
PLAN

NOTES:  
 1. SEE PLAN FOR LOCATION OF DEPRESSION.  
 2. FOR DEPRESSION LESS THAN 1/2 (tsg). OMIT ADDITIONAL EDGE BARS.

LOCATION	SLAB ON GRADE THK. (mm)	LOC. OF BAR	REINFORCEMENTS Asog	THICKNESS OF BASE COURSE tbc(mm)
BSS1	200	TOP	Ø12 @200mmOC	100
		BOT	Ø12 @200mmOC	



SLAB REINFORCEMENT LAYOUT ALONG LONG SPAN



SLAB REINFORCEMENT LAYOUT ALONG SHORT SPAN

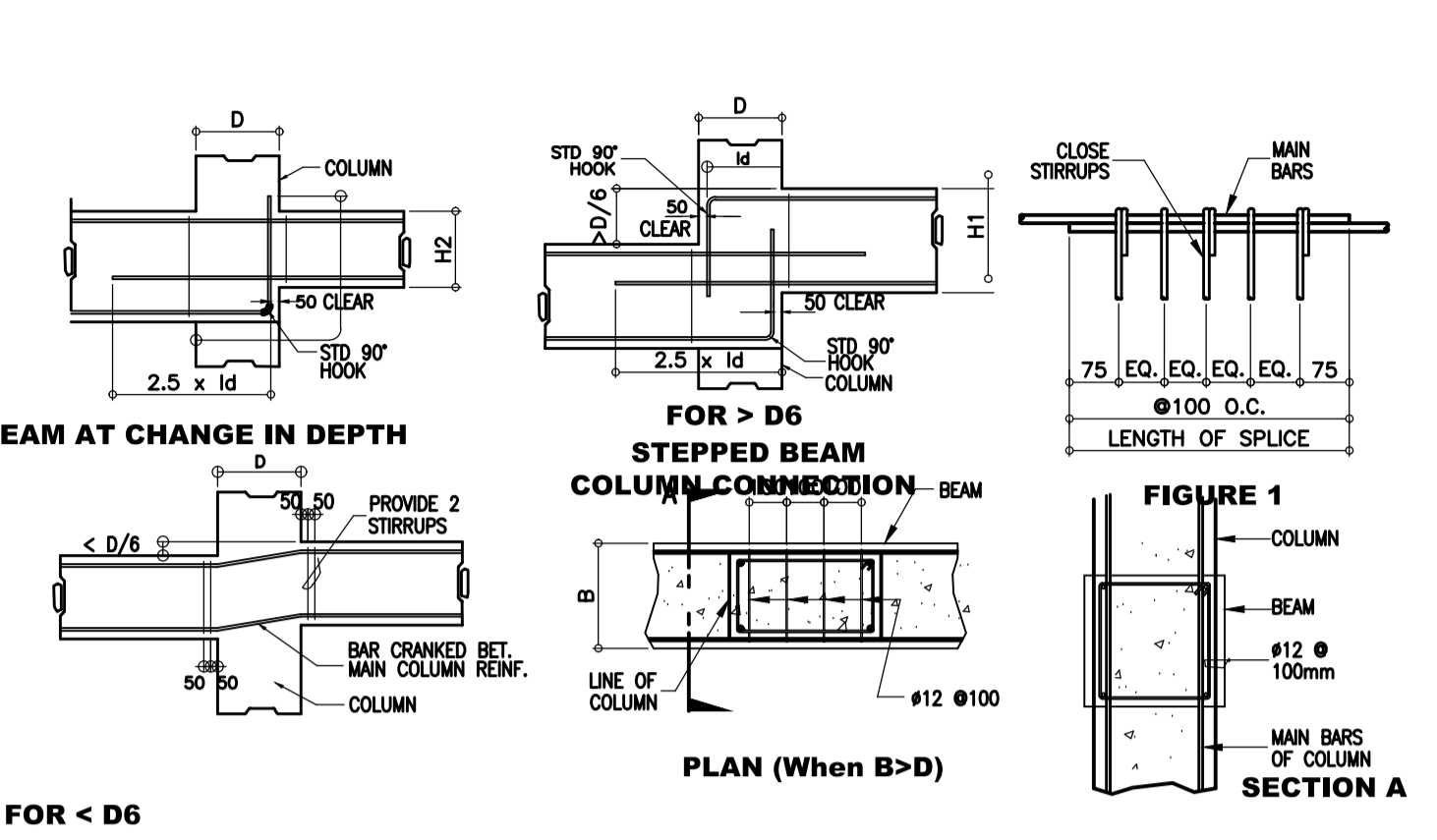
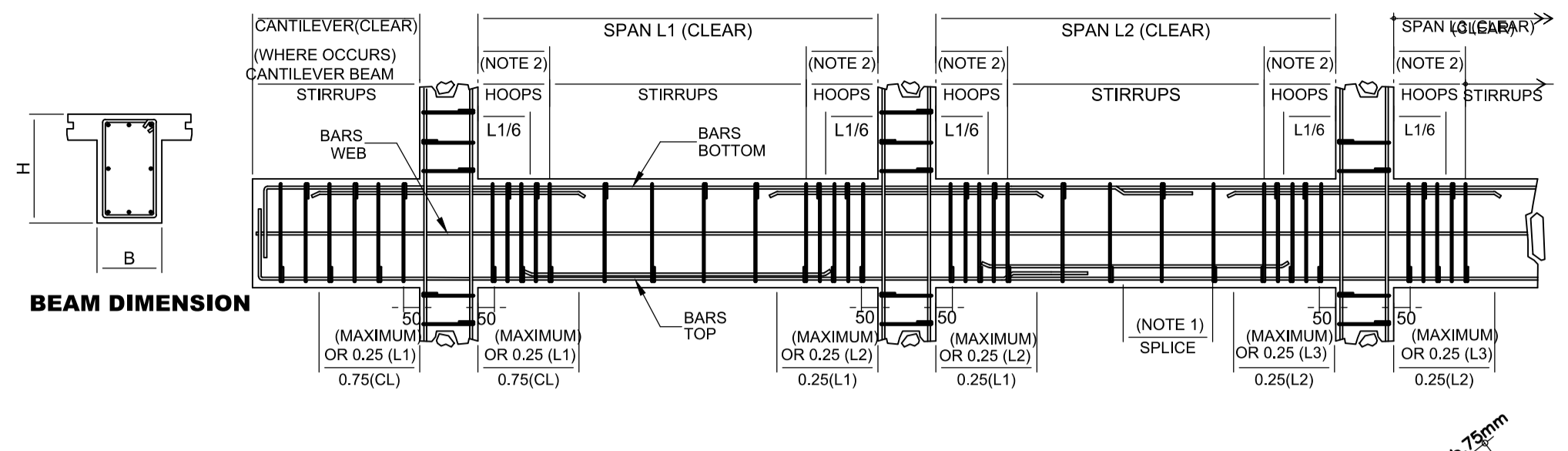
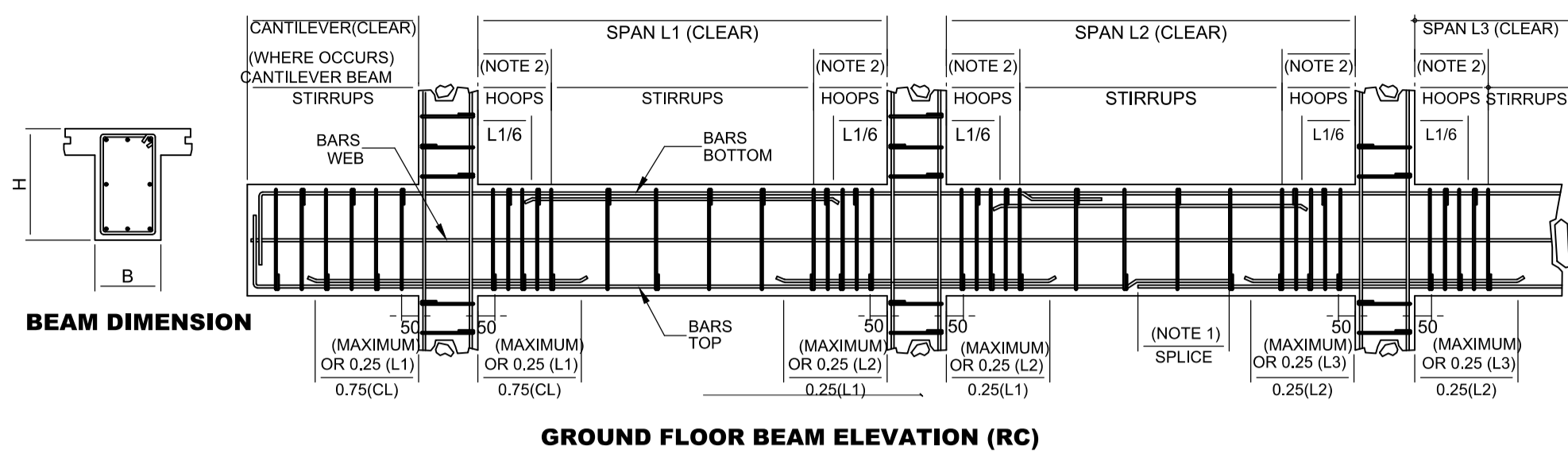
MARK	THICKNESS (mm)	DIAMETER (mm)	REINFORCEMENTS												REMARKS
			SHORT SPAN						LONG SPAN						
			CONTINUOUS		DISCONTINUOUS		MIDSPAN		CONTINUOUS		DISCONTINUOUS		MIDSPAN		
TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT		
<b>BASEMENT FLOOR SLAB</b>															
BSS1	200	12	200	200	200	200	200	200	200	200	200	200	200	200	SLAB ON GRADE
<b>GROUND FLOOR SLAB</b>															
GS1	100	12	150	600	150	600		200	200	10mmØ @ 300mm oc temp bars				ONE WAY	
GS2	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
GS3	100	12	150	600	150	600		200	200	10mmØ @ 300mm oc temp bars				ONE WAY	
GS4	100	12	150	600	150	600		200	200	10mmØ @ 300mm oc temp bars				ONE WAY	
GS5	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
GS6	200	12	200	200	200	200	200	200	200	200	200	200	200	200	SLAB ON GRADE
GSC1	125	12	150	600	150	600	200	150	200	600	200	600		200	TWO WAY
<b>SECOND FLOOR SLAB</b>															
2S1	100	12	150	600		600		200	200	10mmØ @ 300mm oc temp bars				ONE WAY	
2S2	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
2S3	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
2S4	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
2S5	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
2S6	100	12	150	600	150	600		200	200	600	200	600	600	200	TWO WAY
2CS1	125	12	150	600		600	200	150	200	600	200	600		200	TWO WAY
<b>THIRD FLOOR SLAB</b>															
3S1	100	12	150	600		600		200	200	10mmØ @ 300mm oc temp bars				ONE WAY	
3S2	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
3S3	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
3S4	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
3S5	100	12	150	600	150	600		200	200	600	200	600		200	TWO WAY
3S6	100	12	150	600	150	600		200	200	600	200	600	600	200	TWO WAY
3CS1	125	12	150	600	150	600	200	150	200	600	200	600	600	200	TWO WAY
<b>ROOFDECK FLOOR SLAB</b>															
RDS1	115	12	150	450	150	450	600	150	150	450	150	450	600	150	TWO WAY
RDS2	115	12	150	600		600	200			10mmØ @ 300mm oc temp bars				ONE WAY	
<b>ROOFSLAB FLOOR SLAB</b>															
RSS1	100	12	150	600	150	600	600	200	200	600	200	600	600	200	TWO WAY
RSS2	150	12	150	300	150	300	300	150	150	300	150	300	300	150	TWO WAY
RCS1	100	12	150	600	150	600	150	200	200	600	200	600	600	200	CANT/TWO WAY

# LOWER GROUND FLOOR/BASEMENT SLAB

SCALE: NTS

<p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b>          ARCHITECTS ENGINEERS CONSULTANTS          SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108          TEL. NOS. 43-7009, 43-3022-04 FAX NOS. 927-0606, 43-7214</p> <p>IN JOINT VENTURE WITH</p> <p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b>          ARCHITECTS ENGINEERS CONSULTANTS</p>	ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER PRC No. 0076960 Validity: 04-14-2023 PTR No. 8676828 Date: 01-07-2021 Place: MARIKINA CITY TIN: 192-932-067	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiongan, Romblon	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: SLAB SCHEDULE	SHEET NO.: 
--	---	--	--	--	--	---	----------------------------------	----------------





**NOTE :**  
 $D_c$  = DEPTH OF COLUMN  
 $H/1/2$  = DEPTH OF BEAM  
 $l_d$  = DEVELOPMENT LENGTH IN TENSION

**LEGEND:**  
 - DEPTH OF COLUMN  
 -  $H/1/2$  = DEPTH OF BEAM  
 -  $B/1/2$  = WIDTH OF BEAM

**NOTES:**  
 1. LOCATE TOP BAR SPLICES AT MIDSPAN OF BEAM. LENGTH OF SPLICE = 40 DIA. OF BAR  
 2. LOCATE BOTTOM BAR SPLICES AWAY FROM COLUMN FACE EQUAL TO 2 TIMES BEAM HEIGHT (H) (i.e. 4, no splice = 2 X H). LENGTH OF SPLICE = 40 DIA. OF BAR  
 3. PROVIDE CLOSE STIRRUP ALONG LENGTH OF SPLICING EQUAL (SEE FIGURE 1) TO 100mm O.C.

**BEAM SCHEDULE**

MARK	DIMENSIONS		DIAMETER (mm)	FORCE (kips)	REINFORCEMENT						WEB REINF.	STIRRUPS	REMARKS
	WIDTH	DEPTH			CONTINUOUS TOP	CONTINUOUS BOT	MIDSPAN TOP	MIDSPAN BOT	DISCONTINUOUS TOP	DISCONTINUOUS BOT			
<b>BASEMENT FLOOR BEAMS</b>													
BSB1	300	600	25		7	5	3	3	5	5		A	RC
BSB1A	300	600	25		5	5	3	3	5	5		A	RC
BSB2	300	600	25		4	4	4	3	4	4		A	RC
BSB2A	300	600	25		4	4	4	3	4	4		A	RC
BSB2B	300	600	25		4	4	4	3	4	4		A	RC
BSB3	300	600	25		6	6	4	3	6	6		A	RC
BSB3A	300	600	25		6	6	4	3	6	6		A	RC
BSB3B	300	600	25		6	6	4	3	6	6		A	RC
BSB4	300	600	25		6	6	4	3	6	6		A	RC
BSB4A	300	600	25		6	6	4	3	6	6		A	RC
BSB4B	300	600	25		6	6	4	3	6	6		A	RC
BSB5	300	600	25		6	6	4	3	4	4		A	RC
BSB5A	300	600	25		4	4	4	3	4	4		A	RC
BSB5B	300	600	25		4	4	4	3	4	4		A	RC
BSB6	300	600	25		6	6	4	3	6	6		A	RC
BSB6A	300	600	25		6	6	4	3	6	6		A	RC
BSB7	300	600	25		6	6	4	3	6	6		A	RC
BSB8	300	600	25		6	6	4	3	6	6		A	RC
BSB8A	300	600	25		6	6	4	3	6	6		A	RC
BSB8B	300	600	25		6	6	4	3	6	6		A	RC
BSB9	300	600	25		6	6	4	3	6	6		A	RC
BSB9A	300	600	25		6	6	4	3	6	6		A	RC
BSB9B	300	600	25		6	6	4	3	6	6		A	RC
BSB10	300	600	25		6	6	4	3	6	6		A	RC
BSB10A	300	600	25		6	6	4	3	6	6		A	RC
BSB10B	300	600	25		6	6	4	3	6	6		A	RC
BSB11	300	600	25		6	6	4	3	6	6		A	RC
BSB11A	300	600	25		6	6	4	3	6	6		A	RC
BSB11B	300	600	25		6	6	4	3	6	6		A	RC
BSBD1	300	600	25		4	3	4	3	4	3		A	RC
BSBD1A	300	600	25		4	3	4	3	4	3		A	RC
BSBD2	300	600	25		4	3	4	3	4	3		A	RC
BSBD2A	300	600	25		4	3	4	3	4	3		A	RC
BSEB1	300	600	25		4	3	4	3	4	3		A	RC
BSRG1	200	450	25		2	2	2	2	2	2		A	RC
<b>GROUND FLOOR BEAMS</b>													
GB1	450	550	25		11	8	3	6	11	8		D	RC
GB2	450	550	25		10	8	3	6	10	8		D	RC
GB2A	450	550	25		10	4	3	3	4	3		D	RC
GB3	350	550	25		7	6	3	4	7	6		D	RC
GB4	350	550	25		7	6	3	4	7	6		D	RC
GB5	350	550	25		7	4	3	4	7	4		D	RC
GB5A	350	550	25		7	4	3	4	7	4		D	RC
GB5B	350	550	25		7	4	3	3	8	4		D	RC
GB6	450	550	25		11	6	3	7	11	6		D	RC
GB6A	450	550	25		11	6	3	7	11	6		D	RC
GB6B	450	550	25		11	6	3	7	10	3		D	RC
GB7	350	550	25		6	3	3	4	6	3		D	RC
GB7A	350	550	25		6	3	3	4	6	3		D	RC
GB7B	350	550	25		6	3	3	4	6	3		D	RC
GB8	350	550	25		8	6	3	4	8	6		D	RC
GB8A	350	550	25		8	6	3	5	8	6		D	RC
GB8B	350	550	25		8	6	3	6	8	4		D	RC
GBB1	300	550	25		5	3	3	4	5	3		D	RC
GBB2	300	550	25		5	3	3	4	5	3		D	RC
GBD1	350	550	25		6	3	3	5	6	3		C	RC
GBD1A	350	550	25		6	3	3	5	6	3		C	RC

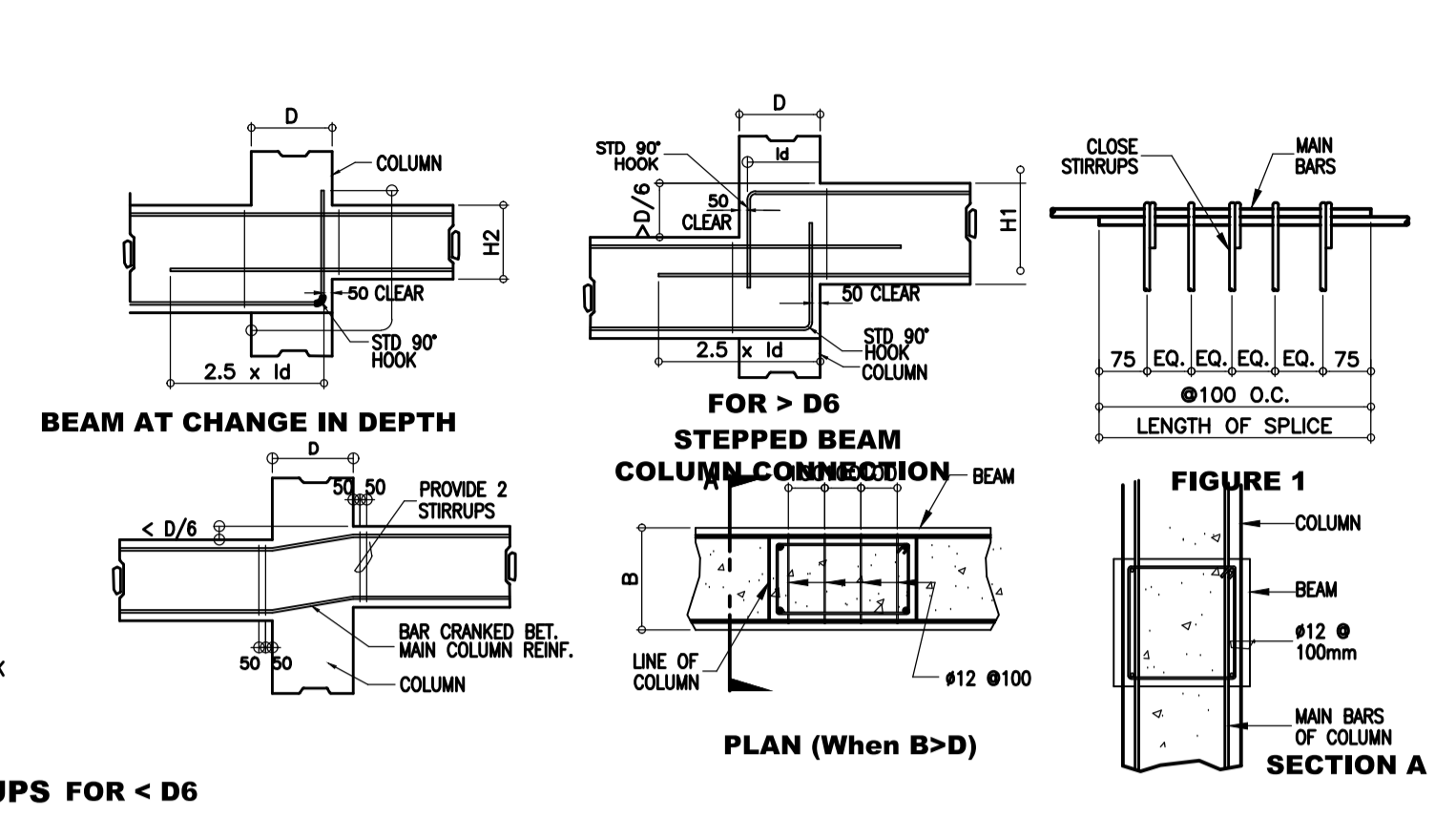
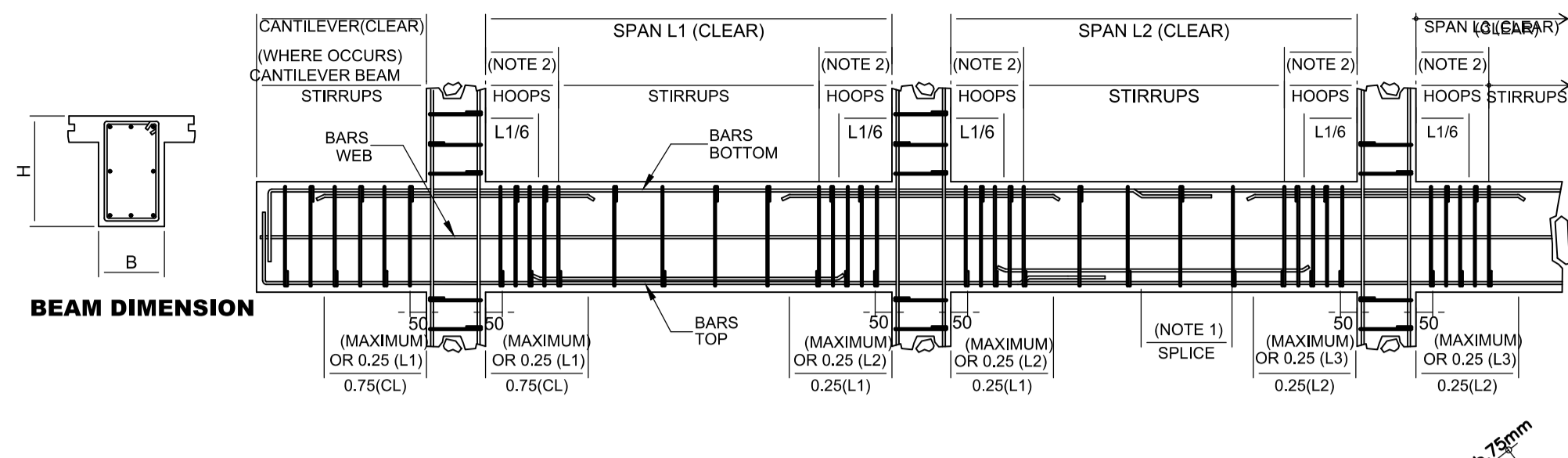
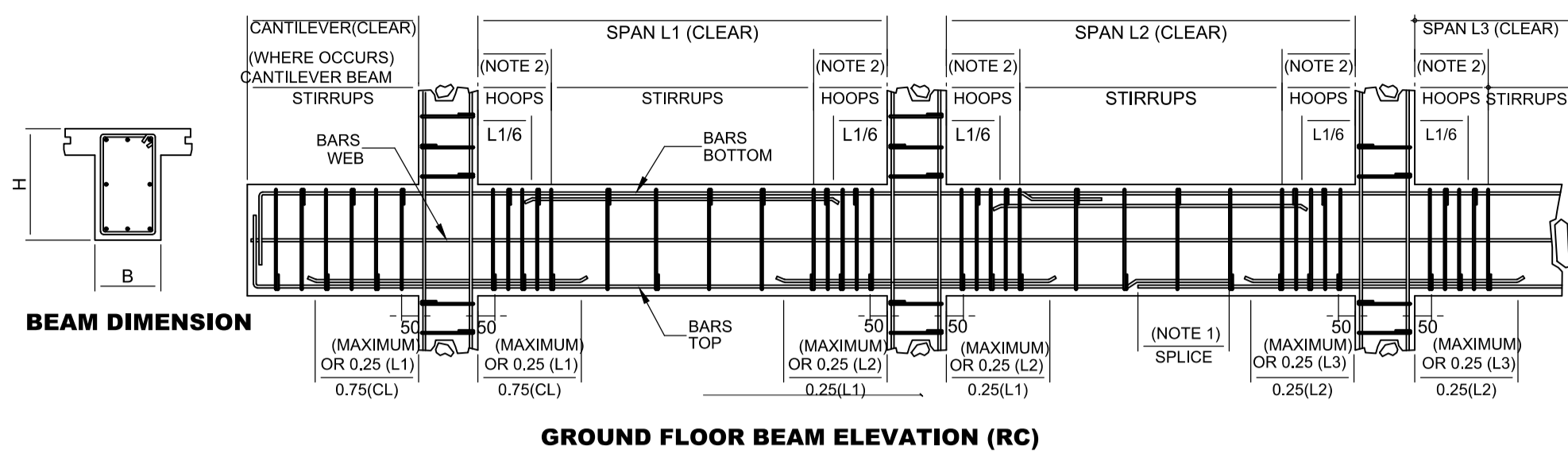
**BEAM SCHEDULE**

MARK	DIMENSIONS		DIAMETER (mm)	FORCE (kips)	REINFORCEMENT						WEB REINF.	STIRRUPS	REMARKS
	WIDTH	DEPTH			CONTINUOUS TOP	CONTINUOUS BOT	MIDSPAN TOP	MIDSPAN BOT	DISCONTINUOUS TOP	DISCONTINUOUS BOT			
<b>SECOND FLOOR BEAMS</b>													
GBD2A	350	550	25		7	3	3	5	7	3		C	RC
GBD2A	300	550	25		7	3	3	5	7	3		C	RC
GCB1	300	550	25		8	3	6	3	4	3		C	RC
GCB2	300	550	25		3	2	3	2	2	2		C	RC
GCR1	300	550	25		4	3	4	3	2	2		C	RC
GEB1	150	550	16		3	3	3	3	3	3		F	RC
GG1	350	550	25		7	6	4	4	7	4		C	RC
GG2	450	550	25		11	6	3	8	11	6		B	RC
GG3	450	550	25		7	4	4	8	10	8		B	RC
GG3A	450	550	25		10	8	4	8	10	8		B	RC
GG3B	450	550	25		10	8	4	8	10	8		B	RC
GG4	450	550	25		10	6	4	8	8	4		B	RC
GG4A	450	550	25		10	6	4	8	10	6		B	RC
GG4B	450	550	25		10	6	4	8	10	6		B	RC
GG5	450	550	25		10	6	4	8	10	6		B	RC
GG5A	450	550	25		10	6	4	8	10	6		B	RC
GG5B	450	550	25		10	6	4	8	10	6		B	RC
GG6	350	550	25		7	4	4	6	7	4		C	RC
GG6A	350	550	25		8	8	6	6	8	8		C	RC
GG6B	350	550	25		8	8	4	4	7	8		C	RC
GG7	450	550	25		11	6	4	8	10	4		C	RC
GG8	450	550	25		8	6	6	6	8	6		C	RC
GLB1	200	450	25		2	2	2	3	2	2		E	RC
GR1	300	550	25		4	3	2	4	4	3		E	RC
GR1A	300	550	25		4	3	2	4	4	3		E	RC
GR1B	300	550	25		4	3	2	4	4	3		E	RC
GR2	300	550	25		4	3	2	4	4	3		E	RC
GR2A	300	550	25		4	3	2	4	4	3		E	RC
GR3	300	550	25		2	3	3	5	2	3		E	RC
GR4	300	550	25		6	4	4	4	4	4		E	RC
GR5	200	450	16		2	2	2	5	2	2		E	RC
GR6	150	450	16		2	2	2	3	2	2		E	RC
GRG2	250	550	20		4	3	3	4	4	3		H	RC
GRG3	250	550	20		2	3	2	5	2	3		H	RC
GRG4	250	550	20		4	3	2	6	4	3		H	RC
GRG5	250	550	20		2	2	2	3	2	2		H	RC
GRG6	200	550	20		2	2	2	3	2	2		H	RC
<b>THIRD FLOOR BEAMS</b>													
2B1	450	550	25		8	4	3	5	8	4		D	RC
2B2	450	550	25		8	4	3	5	8	4		D	RC
2B2A	450	550	25		8	4	3	5	8	4		D	RC
2B3	350	550	25		6	4	3	4	7	4		D	RC
2B4	350	550	25		7	4	3	4	7	4		D	RC
2B5	350	550	25		7	4	3	4	7	4		D	RC
2B5A	350	550	25		7	4	3	4	7	4		D	RC
2B5B	350	550	25		7	4	3	3	8	4		D	RC
2B6	450	550	25		7	4	3	6	7	4		D	RC
2B6A	450	550	25		7	4	3	6	7	4		D	RC
2B6B	450	550	25		7	4	3	6	7	4		D	RC
2B7	350	550	25		6	3	3	4	6	3		D	RC
2B7A	350	550	25		6	3	3	4	6	3		D	RC
2B7B	350	550	25		6	3	3	4	6	3		D	RC
2B8	350	550	25		7	4	3	4	7	4		D	RC
2B8A	350	550	25		7	4	3	5	7	4		D	RC
2B8B	350	550	25		7	4	3	5	7	4		D	RC
2BB1	300	550	25		5	3	3	4	5	3		D	RC
2BB2	300	550	25		5	3	3	4	5	3		D	RC
2BD1	350	550	25		6	3	3	4	6	3		C	RC

**BEAM SCHEDULE**

MARK	DIMENSIONS		DIAMETER (mm)	FORCE (kips)	REINFORCEMENT						WEB REINF.	STIRRUPS	REMARKS
	WIDTH	DEPTH			CONTINUOUS TOP	CONTINUOUS BOT	MIDSPAN TOP	MIDSPAN BOT	DISCONTINUOUS TOP	DISCONTINUOUS BOT			
<b>BASEMENT FLOOR BEAMS</b>													
2BD1A	350	550	25		6	3	3	4	6	3		C	RC
2BD2	350	550	25		7	4	3	4	6	3		D	RC
2BD2A	300	550	25		7	4	3	4	6	3		D	RC
2CB1	300	550	25		5	3	5	3	3	2		C	RC
2CB2	300	550	25		5	3	5	2	3	2		C	RC
2CR1	300	550	25		4	3	4	3	4	3		C	RC





**NOTE :**  
 $D_c$  = DEPTH OF COLUMN  
 $H/1/2$  = DEPTH OF BEAM  
 $l_d$  = DEVELOPMENT LENGTH IN TENSION

**LEGEND:**  
 - DEPTH OF COLUMN  
 $H/1/2$  - DEPTH OF BEAM  
 $B$  - WIDTH OF BEAM

**NOTES:**  
 1. LOCATE TOP BAR SPLICES AT MIDSPAN OF BEAM. LENGTH OF SPLICE = 40 DIA. OF BAR  
 2. LOCATE BOTTOM BAR SPLICES AWAY FROM COLUMN FACE EQUAL TO 2 TIMES BEAM HEIGHT (H) (i.e. 4, no splice = 2 x H). LENGTH OF SPLICE = 40 DIA. OF BAR  
 3. PROVIDE CLOSE STIRRUP ALONG LENGTH OF SPLICING EQUAL (SEE FIGURE 1) TO 100mm O.C.

**BEAM SCHEDULE**

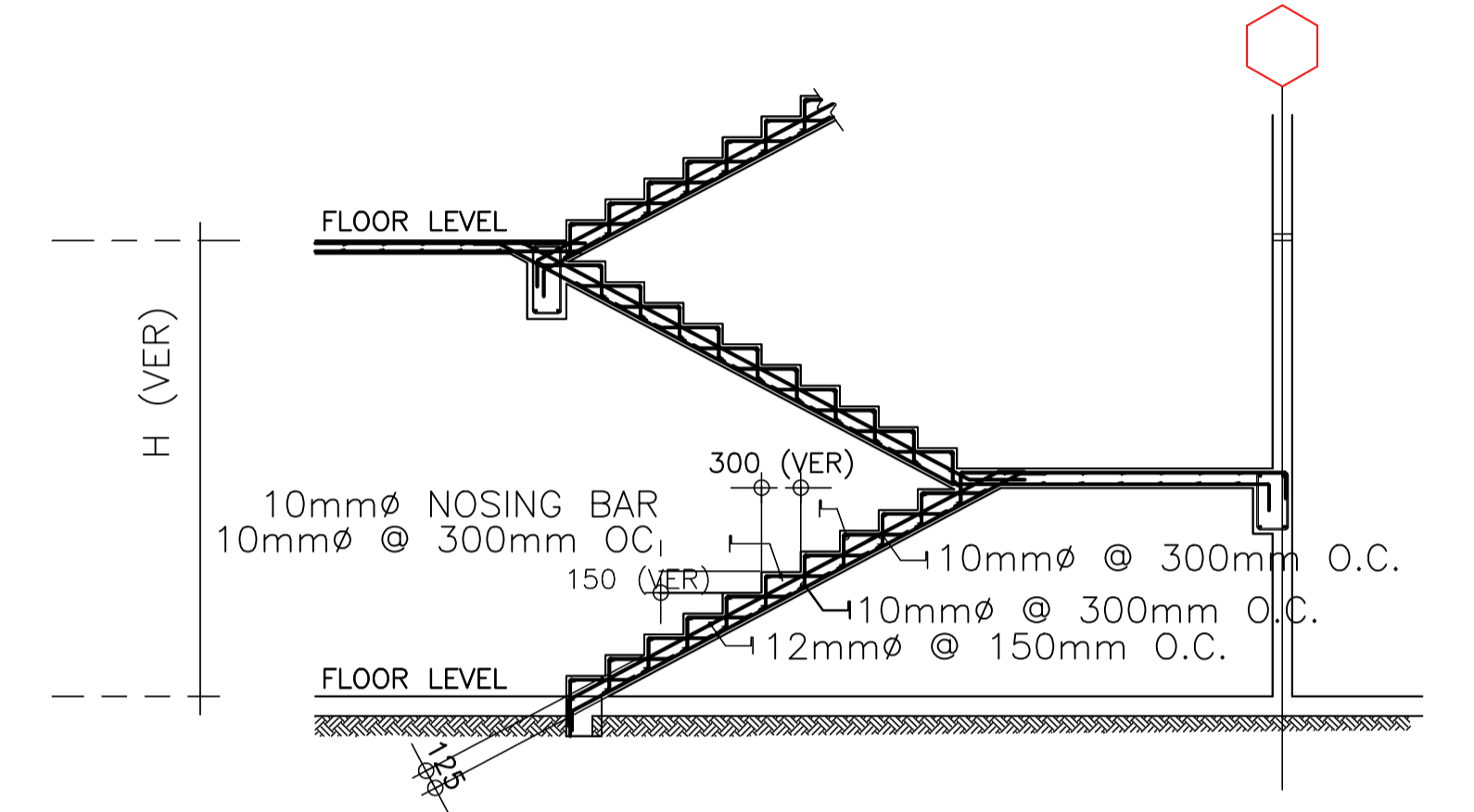
MARK	DIMENSIONS		DIAMETER (mm)	FORCE (kips)	REINFORCEMENT						WEB REINF.	STIRRUPS	REMARKS
	WIDTH	DEPTH			CONTINUOUS		MIDSPAN		DISCONTINUOUS				
					TOP	BOT	TOP	BOT	TOP	BOT			
3B7	350	550	25		6	3	3	4	6	3		D	RC
3B7A	350	550	25		6	3	3	4	6	3		D	RC
3B7B	350	550	25		6	3	3	4	6	3		D	RC
3B8	350	550	25		7	4	3	4	7	4		D	RC
3B8A	350	550	25		7	4	3	5	7	4		D	RC
3B8B	350	550	25		7	4	3	5	7	4		D	RC
3BB1	300	550	25		5	3	3	4	5	3		D	RC
3BB2	300	550	25		5	3	3	4	5	3		D	RC
3BB1	300	550	25		5	3	3	4	5	3		D	RC
3BD1	350	550	25		6	3	3	4	6	3		C	RC
3BD1A	350	550	25		6	3	3	4	6	3		C	RC
3BD2	350	550	25		7	4	3	4	6	3		D	RC
3BD2A	300	550	25		7	4	3	4	6	3		D	RC
3CB1	300	550	25		5	3	5	3	3	2		C	RC
3CB2	300	550	25		3	2	3	2	2	2		C	RC
3CR1	300	550	25		4	3	4	3	2	2		C	RC
3EB1	150	550	16		3	3	3	3	3	3		F	RC
3G1	350	550	25		7	4	3	4	7	4		C	RC
3G2	450	550	25		8	4	3	6	8	4		B	RC
3G3	450	550	25		7	4	3	6	7	4		B	RC
3G3A	450	550	25		7	4	3	6	7	4		B	RC
3G3B	450	550	25		7	4	3	6	7	4		B	RC
3G4	450	550	25		7	4	3	6	7	4		B	RC
3G4A	450	550	25		7	4	3	6	7	4		B	RC
3G4B	450	550	25		7	4	3	6	7	4		B	RC
3G5	450	550	25		7	4	3	6	7	4		B	RC
3G5A	450	550	25		7	4	3	6	7	4		B	RC
3G5B	450	550	25		7	4	3	6	7	4		B	RC
3G6	350	550	25		7	4	3	6	7	4		C	RC
3G6A	350	550	25		8	8	6	6	8	8		C	RC
3G6B	350	550	25		8	8	4	4	7	8		C	RC
3G7	450	550	25		9	5	4	6	9	5		C	RC
3G8	450	550	25		8	4	3	6	8	4		C	RC
3LB1	200	450	25		2	2	2	2	2	2		E	RC
3R1	300	550	25		4	3	2	4	4	3		E	RC
3R1A	300	550	25		4	3	2	4	4	3		E	RC
3R1B	300	550	25		4	3	2	4	4	3		E	RC
3R2	300	550	25		4	3	2	4	4	3		E	RC
3R2A	300	550	25		4	3	2	4	4	3		E	RC
3R3	300	550	25		3	4	2	4	3	4		E	RC
3R4	300	550	25		6	4	2	4	4	4		E	RC
3R5	200	450	16		2	2	2	2	2	2		E	RC
3R6	200	450	20		2	2	2	2	2	2		E	RC
3R7	200	450	25		2	2	2	2	2	2		E	RC
3RG2	250	550	25		4	3	2	4	4	3		H	RC
3RG3	250	550	25		4	2	2	6	6	4		H	RC
3RG4	250	550	25		3	3	3	3	3	3		H	RC
3RG5	250	550	25		2	2	2	3	2	2		H	RC
3RG6	200	550	25		2	2	2	3	2	2		H	RC
<b>ROOFDECK BEAMS</b>													
RBB1	200	450	25		4	3	2	3	4	3		E	RC
RBB2	200	450	25		4	3	2	3	4	3		E	RC
RB1	300	550	25		4	3	2	3	4	3		E	RC
RB1A	300	550	25		4	3	2	3	4	3		E	RC
RB2	300	550	25		4	3	2	3	4	3		E	RC
RB2A	400	550	25		6	3	2	3	6	3		E	RC
RB3	300	550	25		4	3	2	4	4	3		E	RC
RB3A	300	550	25		6	3	2	4	4	3		E	RC
RB4	300	550	25		4	3	2	3	4	3		E	RC
RB4A	400	550	25		6	3	2	4	6	3		E	RC

**BEAM SCHEDULE**

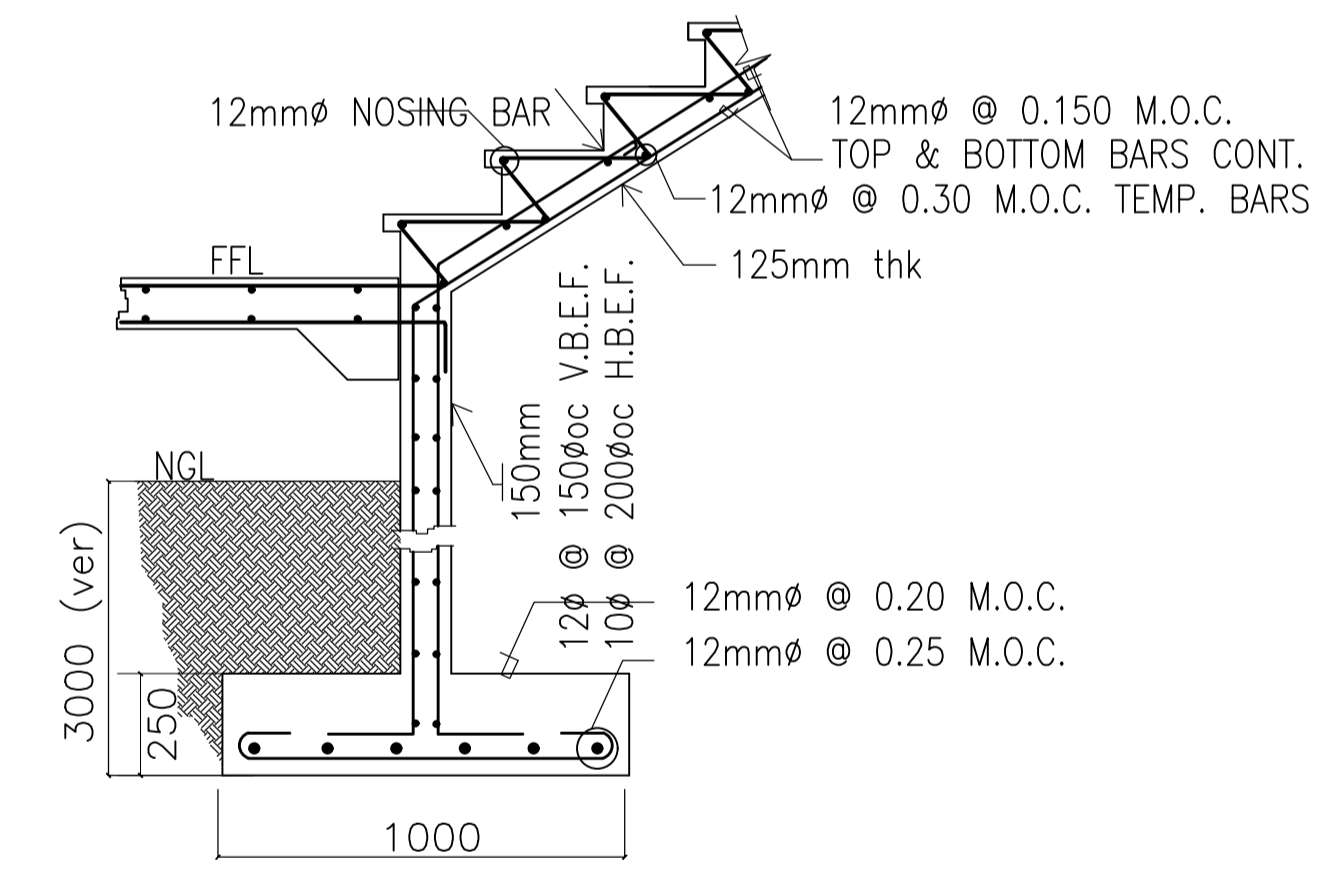
MARK	DIMENSIONS		DIAMETER (mm)	FORCE (kips)	REINFORCEMENT						WEB REINF.	STIRRUPS	REMARKS
	WIDTH	DEPTH			CONTINUOUS		MIDSPAN		DISCONTINUOUS				
					TOP	BOT	TOP	BOT	TOP	BOT			
RB5	300	550	25		4	3	2	3	4	3		E	RC
RB5A	400	550	25		6	3	2	4	5	3		E	RC
RB6	300	550	25		4	3	2	3	4	3		E	RC
RB6A	300	550	25		4	3	2	3	4	3		E	RC
RB7	300	550	25		3	3	2	3	3	3		E	RC
RB8	300	550	25		4	3	2	3	4	3		E	RC
RB8A	300	550	25		4	3	2	3	4	3		E	RC
RB9	300	550	25		4	3	2	3	4	3		E	RC
RB10A	300	550	25		4	3	2	3	4	3		E	RC
RB11	350	550	25		5	3	2	4	5	3		E	RC
RB11A	350	550	25		5	3	2	4	5	3		E	RC
RB11B	350	550	25		5	3	2	4	5	3		E	RC
RB11C	350	550	25		5	3	2	4	5	3		E	RC
RBD1	300	550	25		3	3	2	3	3	3		E	RC
RBD1A	300	550	25		3	3	2	3	3	3		E	RC
RBD2	300	550	25		3	3	2	3	3	3		E	RC
RBD2A	300	550	25		3	3	2	3	3	3		E	RC
RR1	300	550	25		3	3	2	3	3	3		E	RC
RR4	300	550	25		3	3	2	3	3	3		E	RC
RCR1	300	550	25		3	3	2	3	3	3		E	RC
REB1	300	550	25		4	3	2	3	4	3		E	RC
RDG1/RDG6	350	550	25		7	4	2	5	7	4		C	RC
RDG2	450	550	25		8	4	2	6	8	4		C	RC
RDG3	450	550	25		8	4	2	6	8	4		C	RC
RDG4	450	550	25		8	4	2	6	8	4		C	RC
RDG5	450	550	25		8	4	2	6	8	4		C	RC
RDRSTB1	400	550	25		3	3	3	3	3	3		C	RC
RDRG1	400	550	25		6	3	3	6	6	3		C	RC
RG3	400	550	25		4	3	3	4	4	3		E	RC
<b>ROOFSLAB BEAMS</b>													
RSG1	250	450	20		2	3	2	6	2	3		G	RC
RSG2	250	450	20		5	3	2	4	5	3		G	RC
RSG3	250	450	20		5	3	2	4	5	3		G	RC
RSCB1	250	450	20		5	3	2	4	5	3		G	RC
RSCB2	250	450	20		5	3	2	4	5	3		G	RC
RSCB2	250	450	20		5	3	5	3	3	2		G	RC
RSEB1	150	450	16		3	3	3	3	3	3		G	RC

**STIRRUP TYPES :**

- A - 1 SET 12mmØ, 1@50, 6@100 rest @ 150mmoc
- B - 2 SETS 12mmØ, 1@50 rest @ 100mmoc
- C - 1 SET 12mmØ, 1@50 rest @ 100mmoc
- D - 1 SET 12mmØ, 1@50, 12@100, 8@150 rest @ 200mmoc
- E - 1 SET 12mmØ, 1@50, 4@100, 8@150 rest @ 200mmoc
- F - 1 SET 10mmØ, 1@50, 2@100, 4@150 rest @ 200mmoc
- G - 1 SET 10mmØ, 1@50, 2@100, 4@150 rest @ 175mmoc
- H - 1 SET 10mmØ, 1@50, rest @ 100mmoc



**STAIR SECTION**



**STAIR FOOTING DETAIL**

**NOTES:**  
 FOR PWD LIFT RC WALL  
 THICKNESS = 200mm  
 VERTICAL BARS: 20mmØ @ 150mm oc ef  
 HORIZONTAL BARS: 16mmØ @ 150mm oc ef  
 CORNER BARS WITH 16mmØ @ 100mm Confinement

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LUPATLA HEIGHTS, QUEZON CITY, 1106  
 TEL. NOS. 43-7009; 43-30204; FAX NOS. 327-0606; 43-7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

**ENGINEER:**  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER  
 PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

**REPUBLIC ACT 9266**  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

**PROJECT:**  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

**DESIGNED FOR:**  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

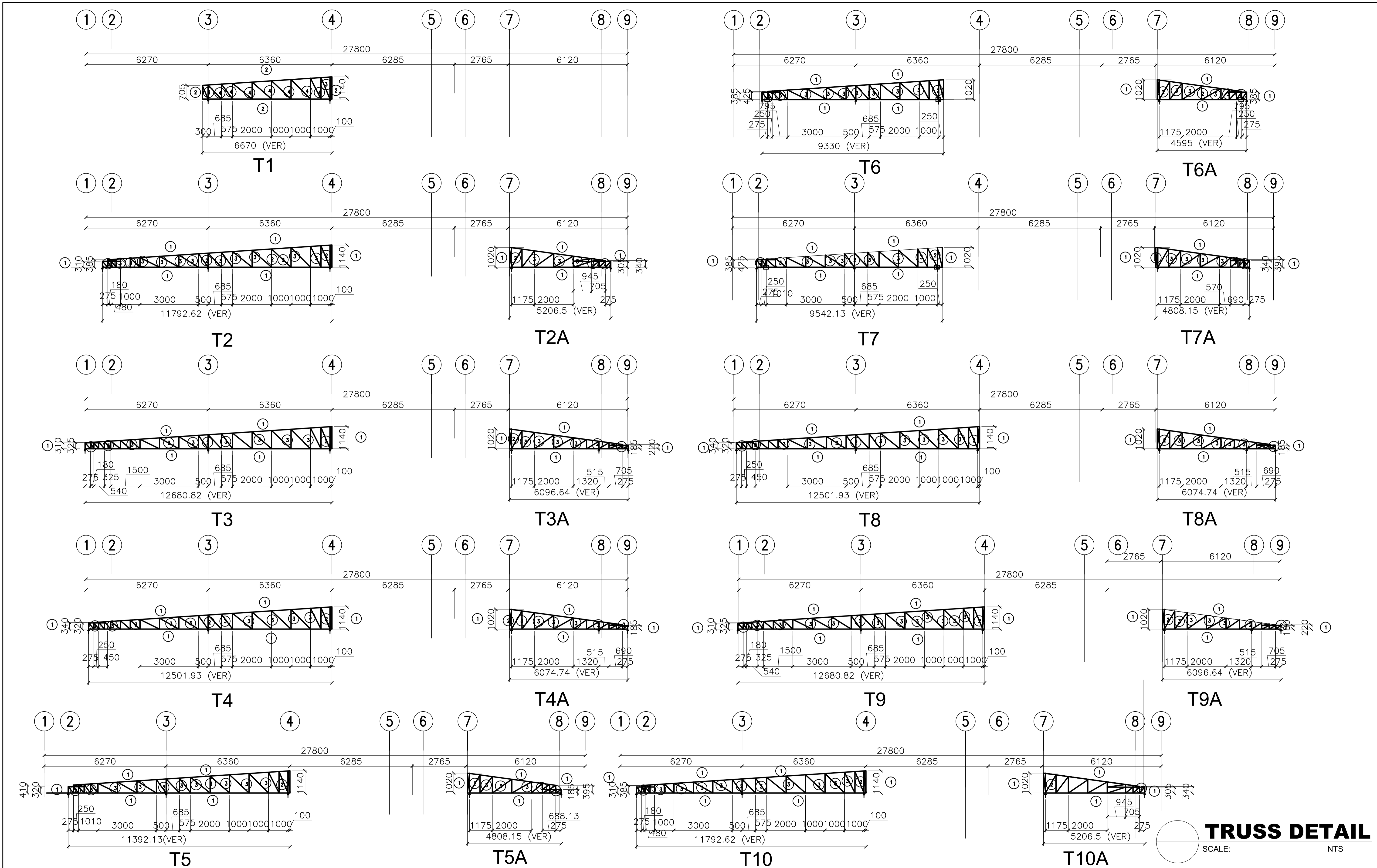
**RECOMMENDING APPROVAL:**  
**MERIAM F. FALLAR**  
 FAD CHIEF

**APPROVED BY:**  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

**SHEET CONTENTS:**  
 BEAM SCHEDULE

**SHEET NO.:**  
**S**  
**17 35**

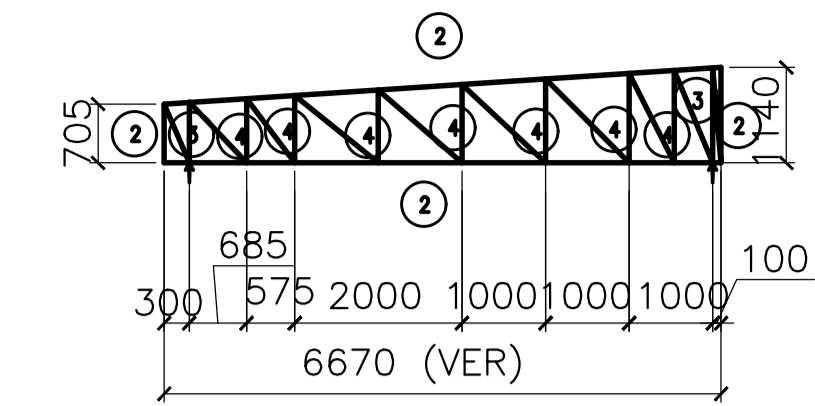
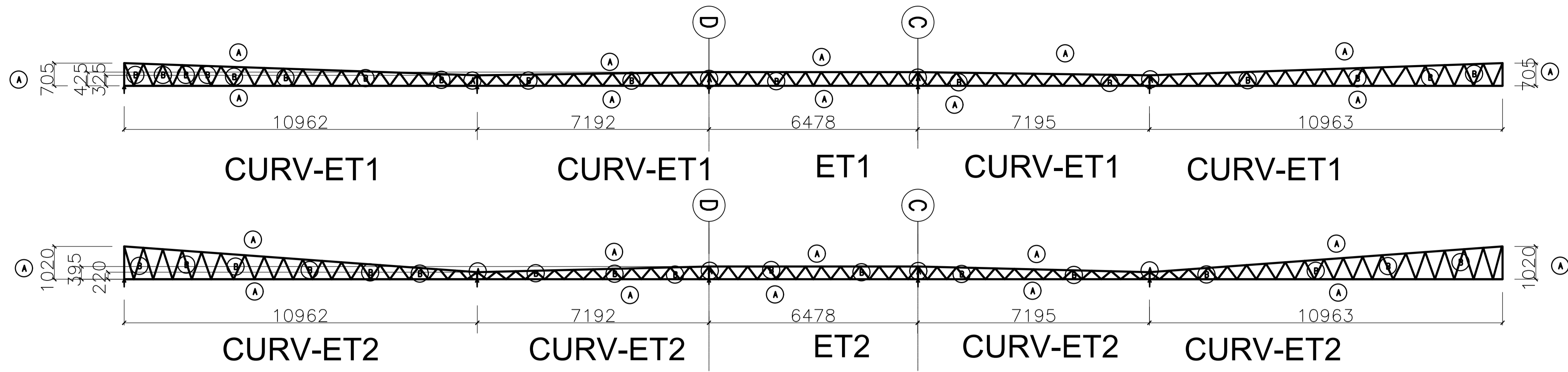




**TRUSS DETAIL**  
SCALE: NTS

<p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p> <p>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3922-04 FAX NOS. 327-0606, 43-7214</p>	<p>ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER</p> <p>PRC No. 0076960    Validity: 04-14-2023 PTR No. 8676828    Date: 01-07-2021</p> <p>Place: MARIKINA CITY    TIN: 192-932-067</p>	<p>REPUBLIC ACT 9266</p> <p>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</p>	<p>PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b></p> <p>LOCATION: Brgy. Rizal, Odiongan, Romblon</p>	<p>DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p>	<p>RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF</p>	<p>APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR</p>	<p>SHEET CONTENTS: TRUSS DETAILS CROSS BRACING</p>	<p>SHEET NO: <b>S 18 35</b></p>
---	--	---	--	---	---	--	--	---

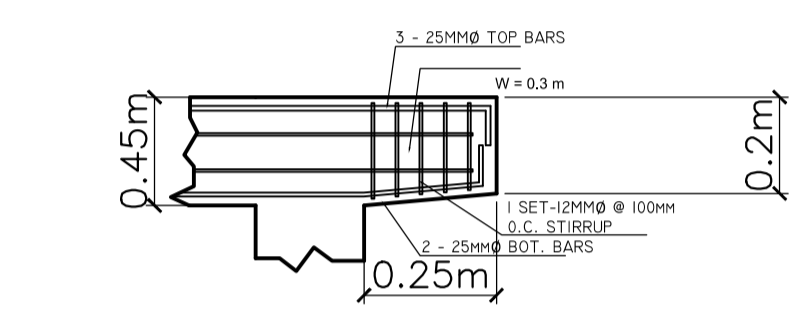




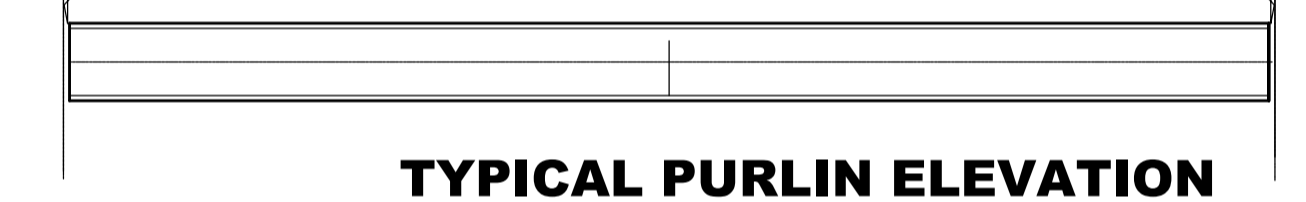
T11



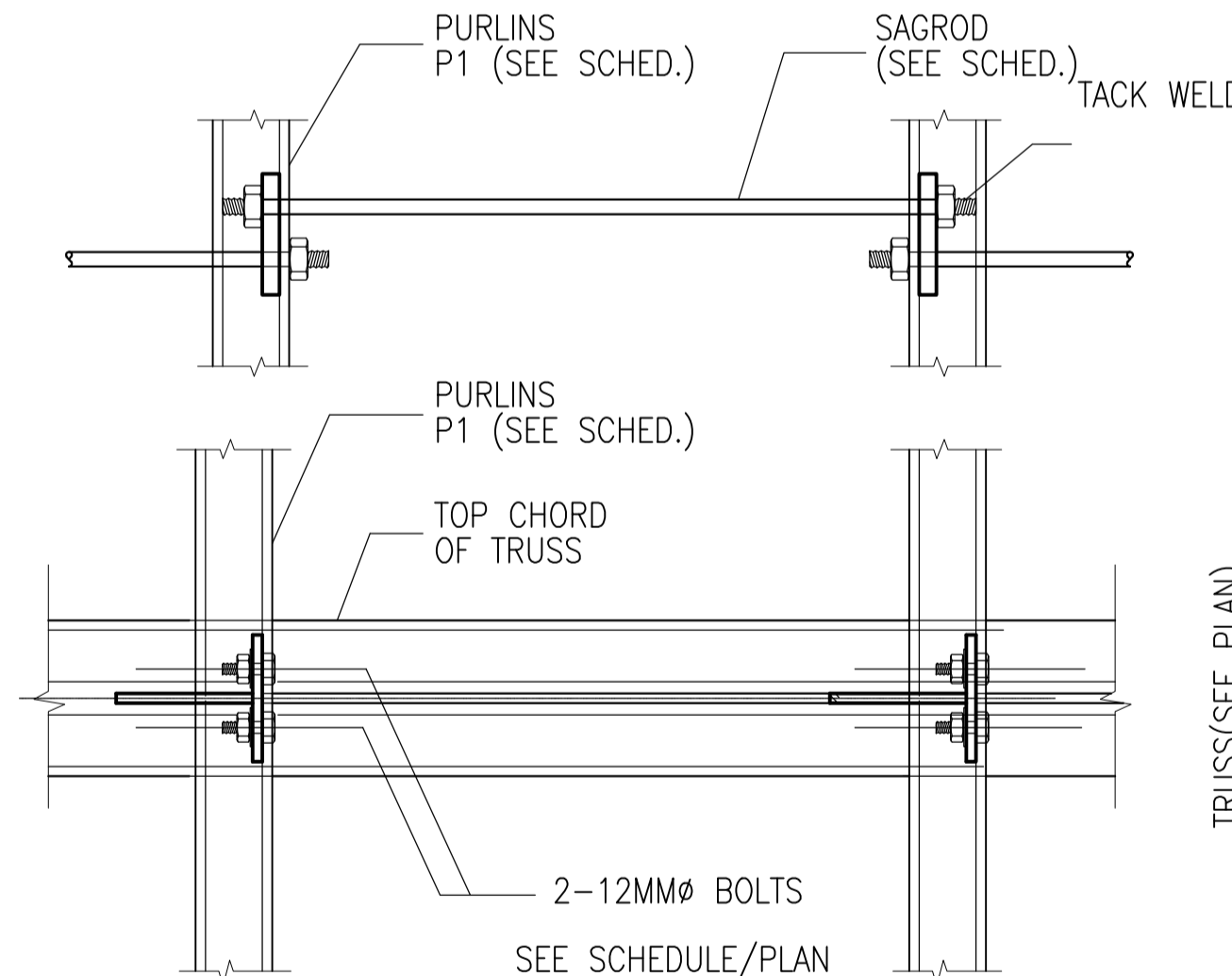
- LEGEND:
- ① - 2L- 50mm x 50mm x 6mm
  - ② - 2L- 45mm x 45mm x 6mm
  - ③ - 2L- 38mm x 38mm x 6mm
  - ④ - 2L- 32mm x 32mm x 6mm
  - Ⓐ - 1L- 50mm x 50mm x 6mm
  - Ⓑ - 1L- 45mm x 45mm x 6mm



**COR-1 CORBEL DETAILS**



**TYPICAL PURLIN ELEVATION**



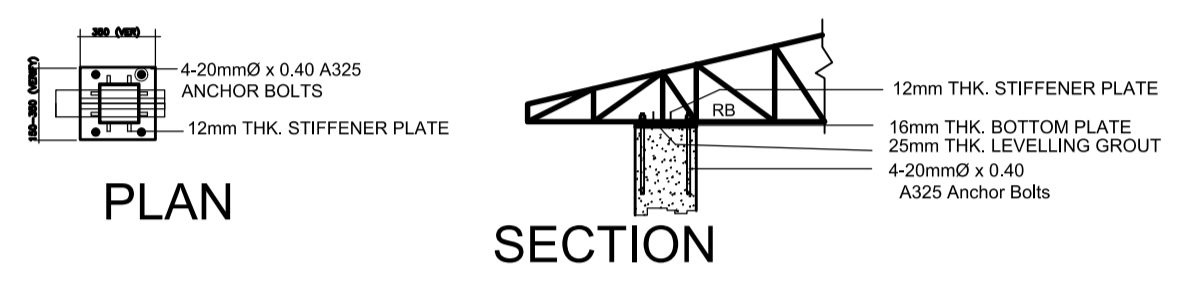
**PLAN**



**SAGROD CONNECTION DETAIL**



**SAGROD DETAIL**



**BASEPLATES & ANCHOR BOLTS DET**

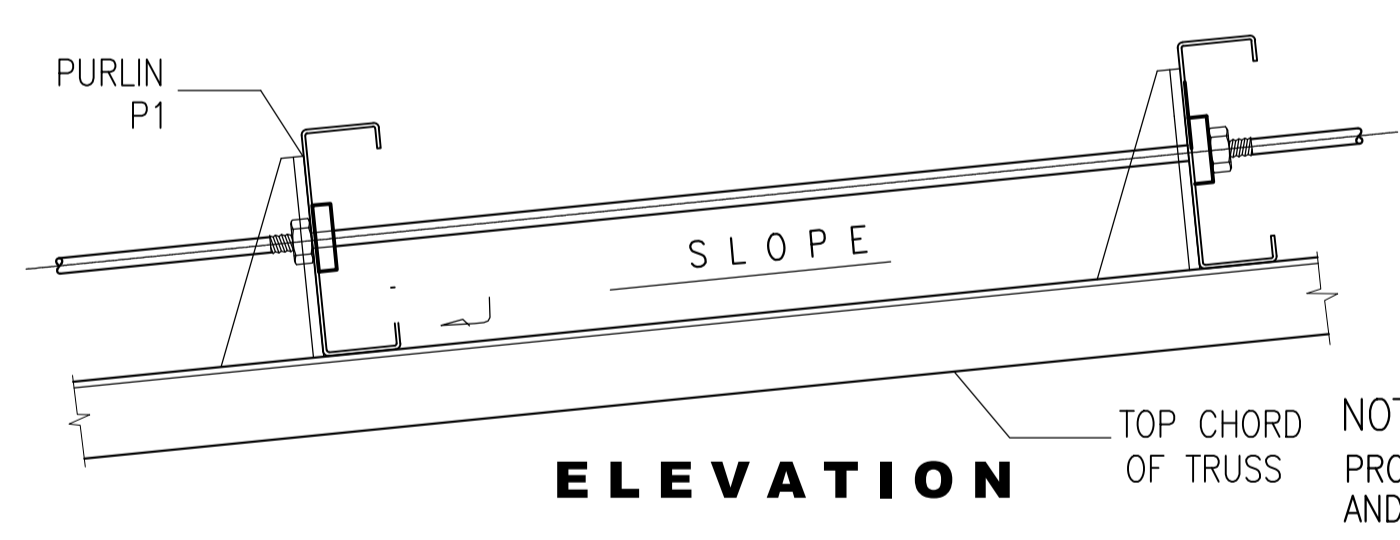


DEFINITION:  
 D = DEPTH OF MEMBER  
 bf = WIDTH OF MEMBER  
 Lp = LIP OF MEMBER  
 tp = THICKNESS OF MEMBER  
 HPClip = HEIGHT OF CLIP SUPPORT

NOTES ON JOINT

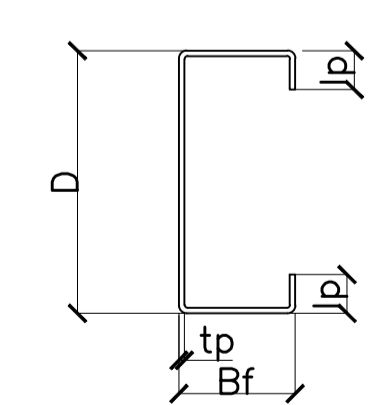
- DETAIL SHOWN IS FOR INDEPENDENT BRACING. ADJUST GUSSET PLATE TO ACCOMMODATE OTHER INTERSECTING STRUCTURAL MEMBERS. VERIFY BOTTOM CHORD STRUT TO MAIN TRUSS CONNECTION, SUB-TRUSS TO MAIN TRUSS CONNECTION ETC. IF ANY.
- ONE SIDED CONNECTION IS SHOWN, TWO SIDED CONNECTION IS SIMILAR.

MARK	BRACING DIAMETER dbr (mm)	GUSSET PLATE		
		THICK tg (mm)	WELD LEG "a" (mm)	WELD LEG "b" (mm)
XB1	16	10	6	6



**ELEVATION**

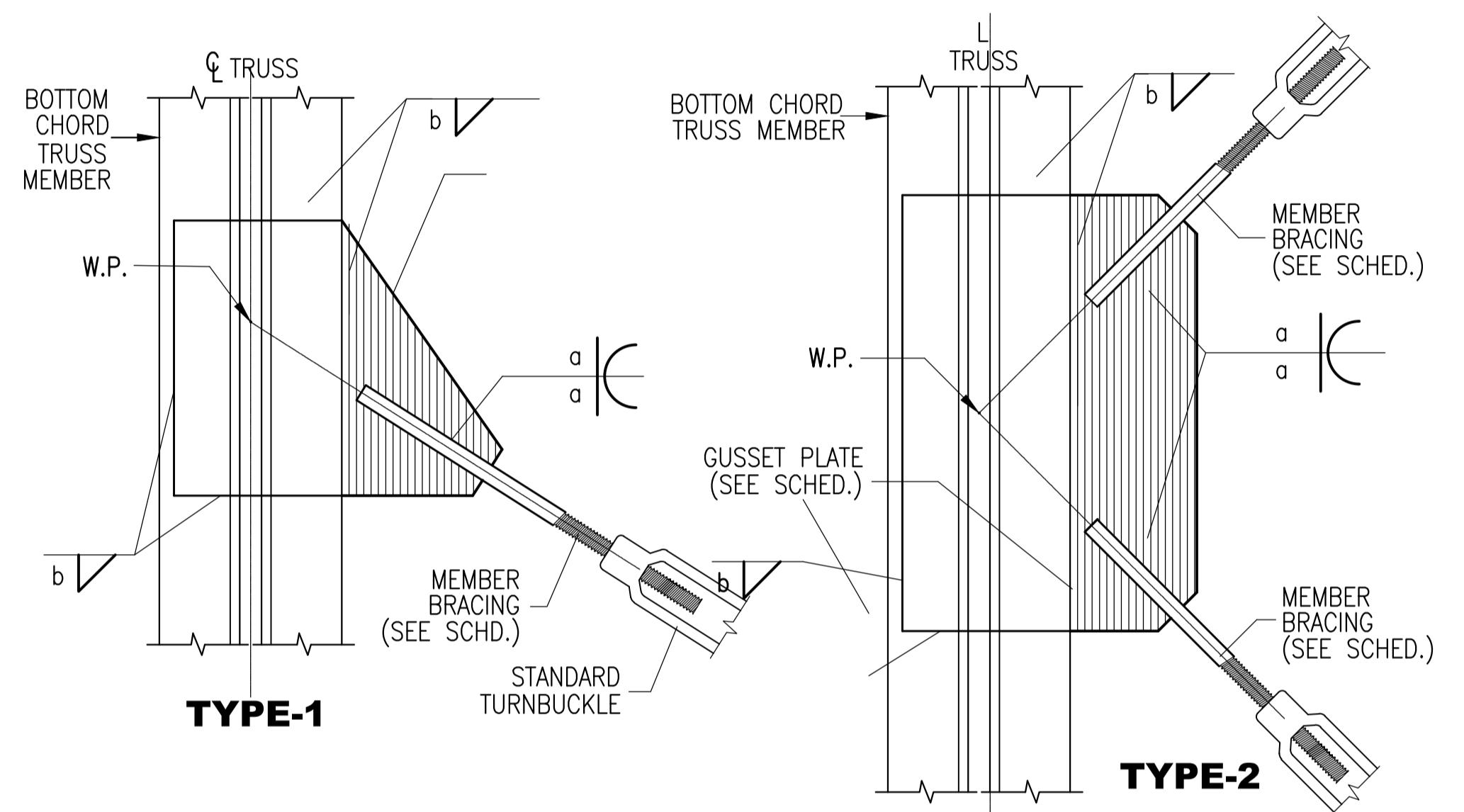
NOTE: PROVIDE STD. NUTS AND WASHER



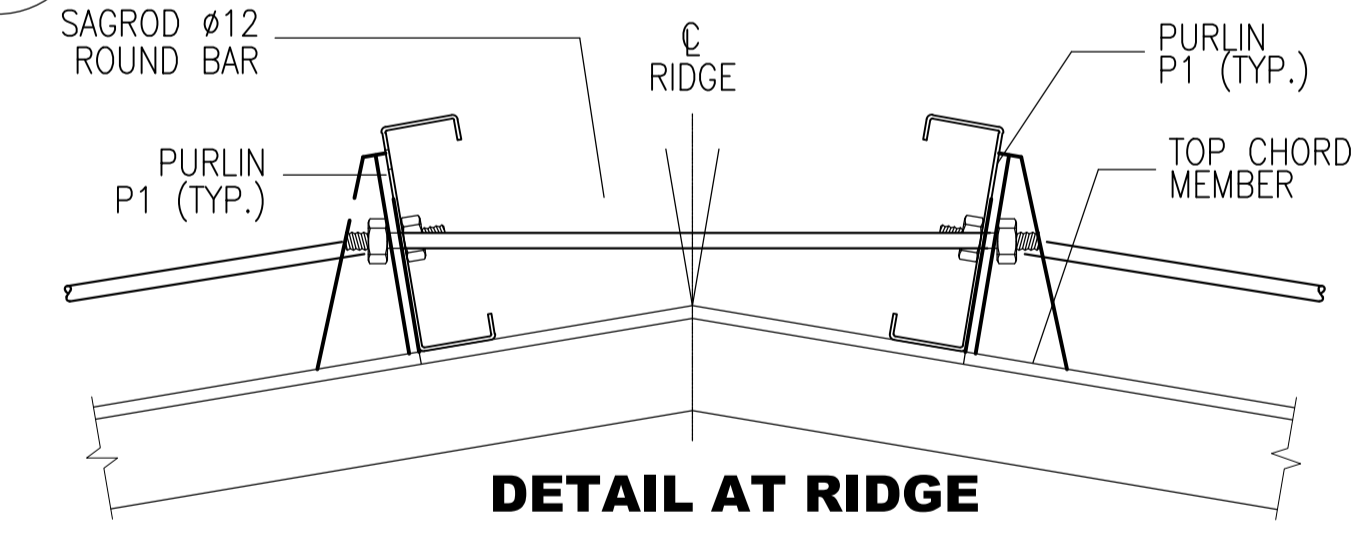
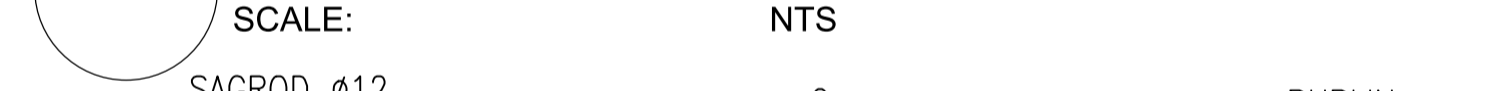
**SECTION**

MEMBER MARK	MAT'L	PURLIN PROPERTIES				MEMBER SPACING (mm)	SUPPORT	
		DIMENSIONS					BOLT DIAM. (mm)	NO. OF BOLTS
		D(mm)	bf(mm)	Lp(mm)	tp(mm)			
P1	A36	175	50	12	1.50	1000	12	2.0

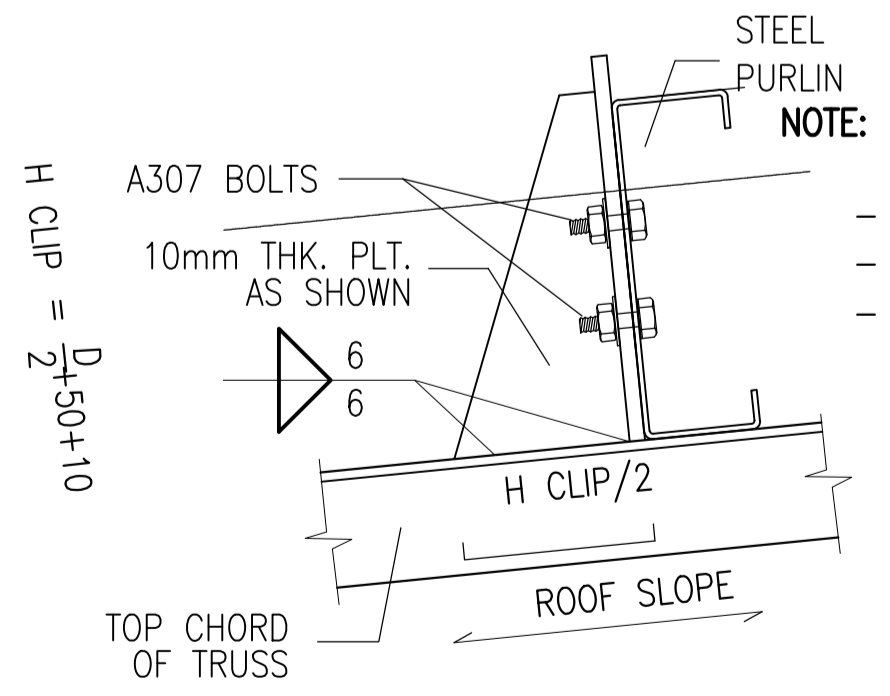
**PURLIN SCHEDULE**



**CROSS BRACING DETAIL**



**DETAIL AT RIDGE**



NOTE:  
 - PROVIDE 9mm thk Gusset Plate for Trusses  
 - SUBMIT Shop Drawings before fabrication for approval  
 - VERIFY actual dimensions before fabrication

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LUVUVA HEIGHTS,  
 QUEZON CITY, 1106  
 TEL. NOS. 43-7009,  
 43-3022-04  
 FAX NOS. 927-0606,  
 433-7214

ENGINEER:  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER

PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

DESIGNED FOR:  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

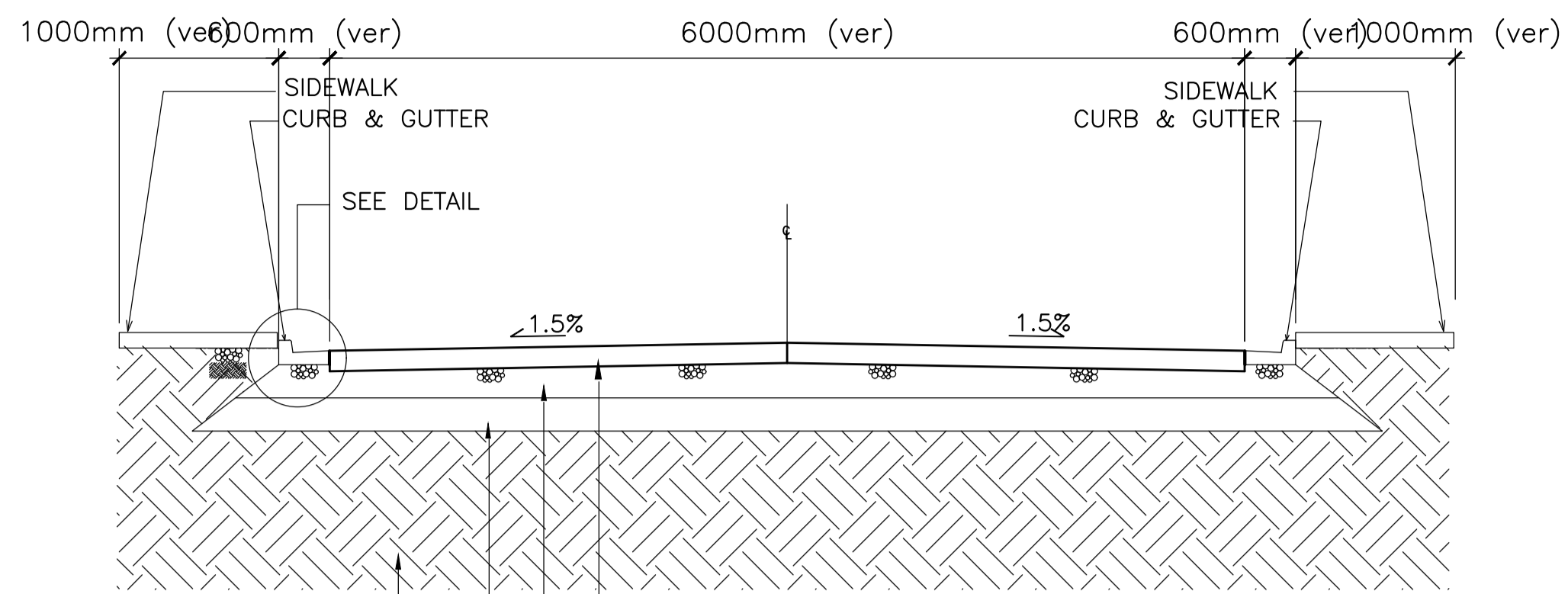
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 TRUSS DETAILS  
 CROSS BRACING

SHEET NO:  
**S**  
 19 35

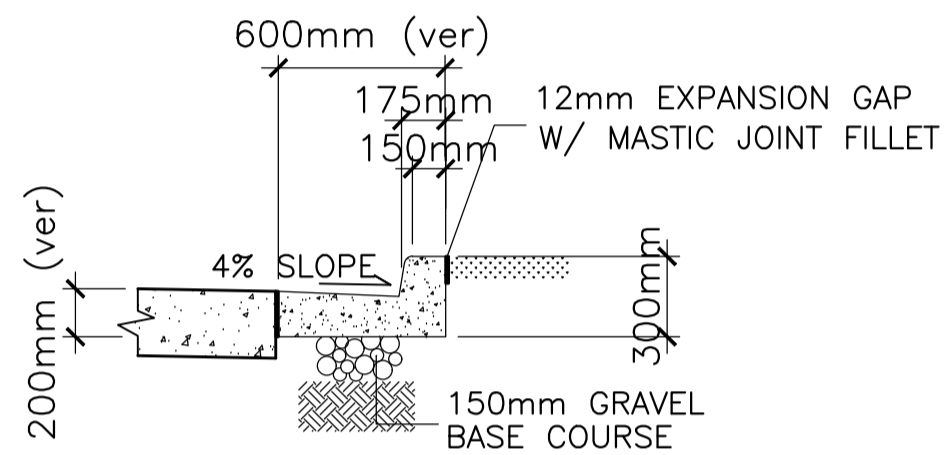




**ROADWAY DETAIL**

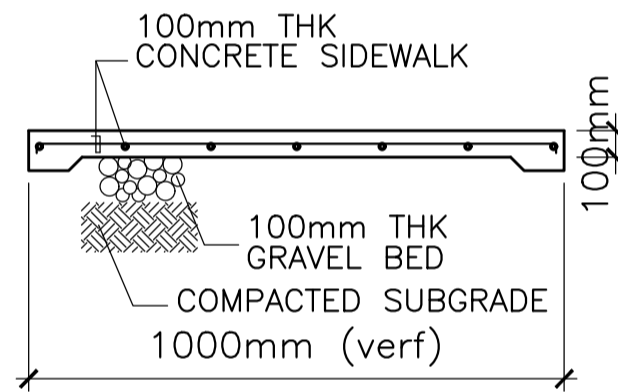
SCALE: NTS

300mm THICK CONCRETE PAVEMENT  
 100mm thk BASE COARSE  
 150mm THICK GRAVEL SUBBASE COMPACTED TO 95% MDD BASED ON ASTM D-689  
 COMPACTED SUB-GRADE (CBR 7%) COMPACTED TO 95% MDD BASED ON ASTM D-689



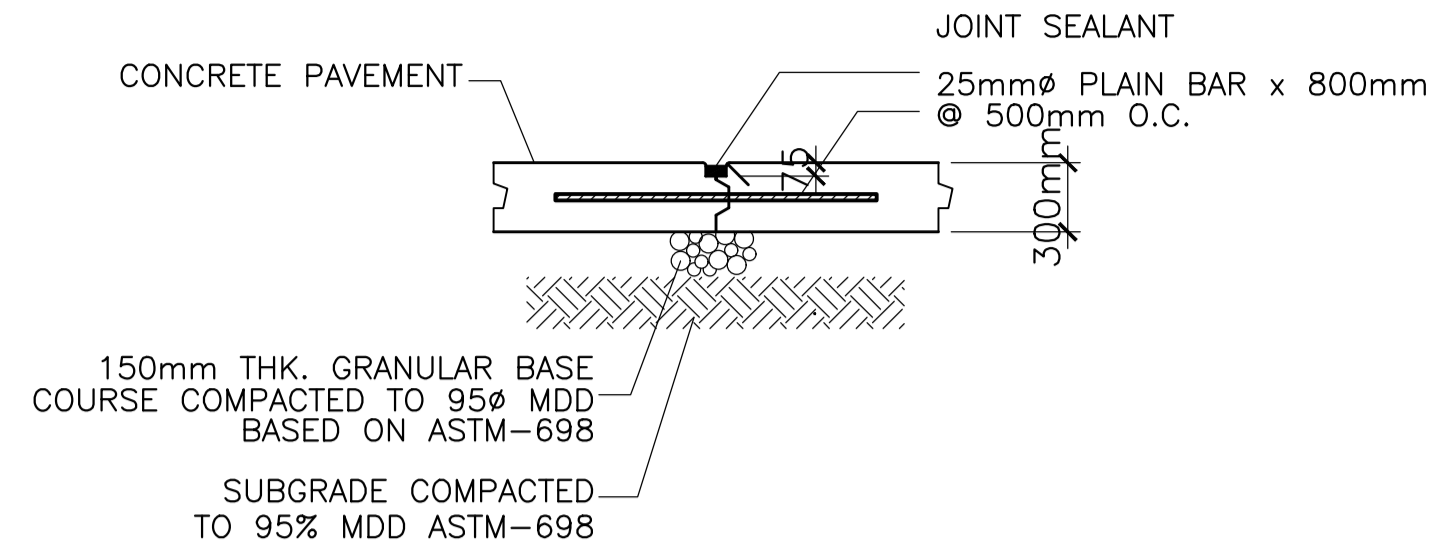
**CURB & GUTTER DETAIL**

SCALE: NTS



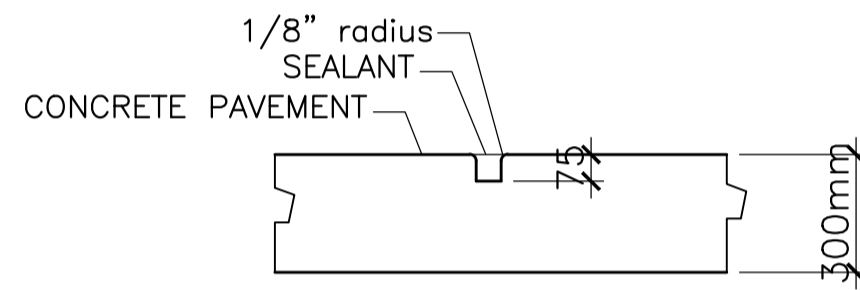
**SIDEWALK DETAIL**

SCALE: NTS



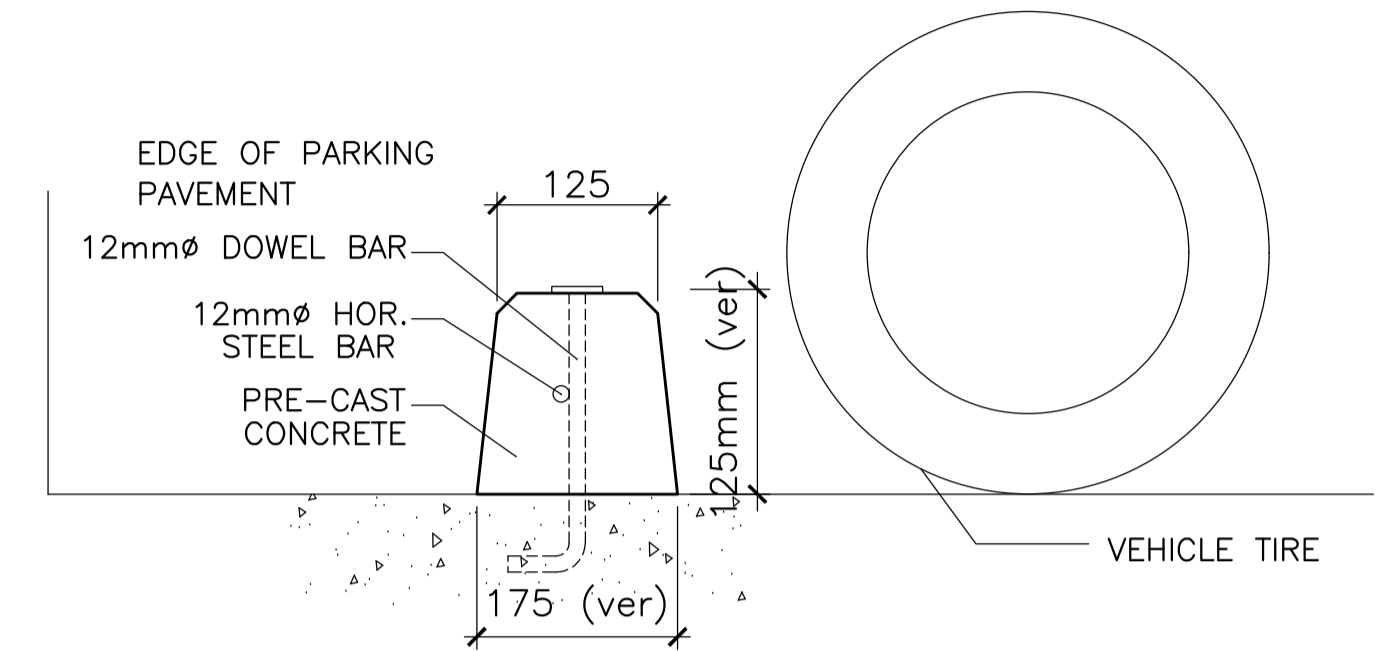
**CONSTRUCTION JOINT**

SCALE: NTS

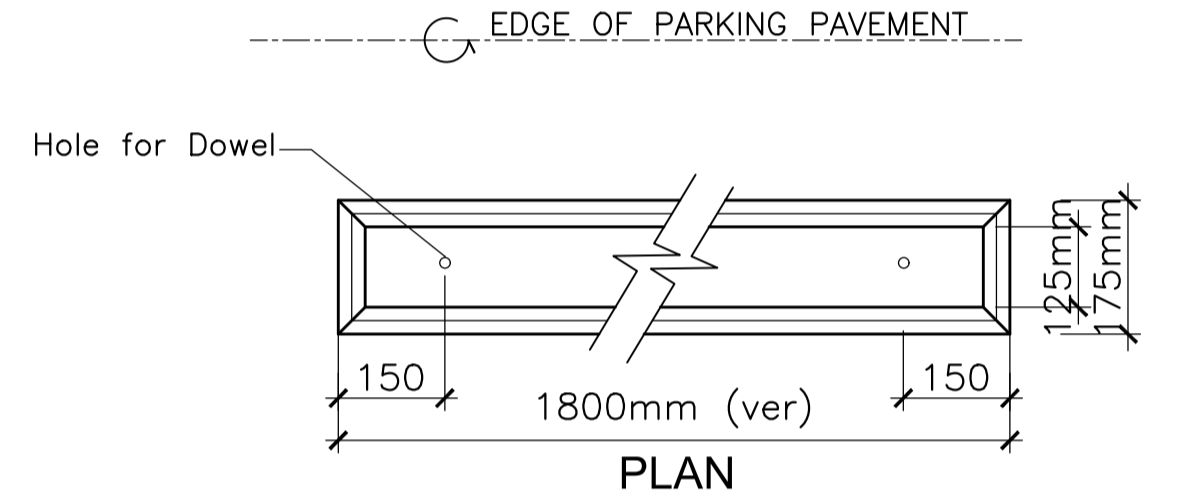


**TRANSVERSE CONTRACTION JOINT**

SCALE: NTS



**SECTION**



**PLAN**

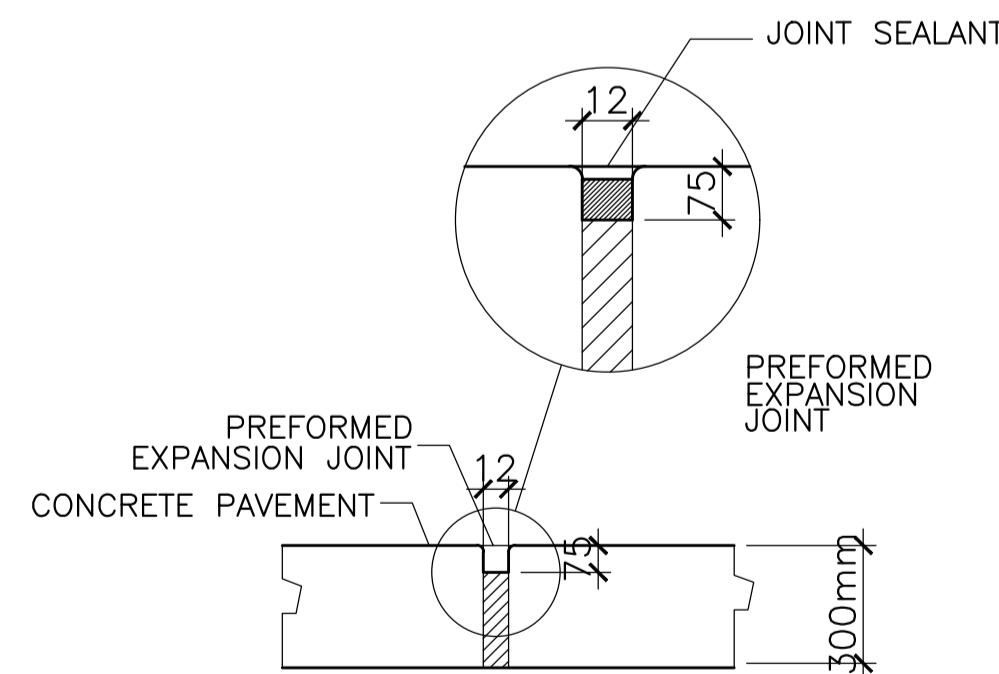
**PRECAST WHEEL STOP**

SCALE: NTS

- NOTES:
- PROVIDES CONSTRUCTION JOINT @ 3000mm MAXIMUM INTERVAL EXCEPT WHERE EXPANSION JOINT OCCUR, BUT NO SECTION SHALL BE LESS THAN 1200mm LONG.
  - PROVIDES EXPANSION JOINTS AT ALL CURB RETURNS AND @ 1500mm MAXIMUM INTERVAL BETWEEN RETURNS.

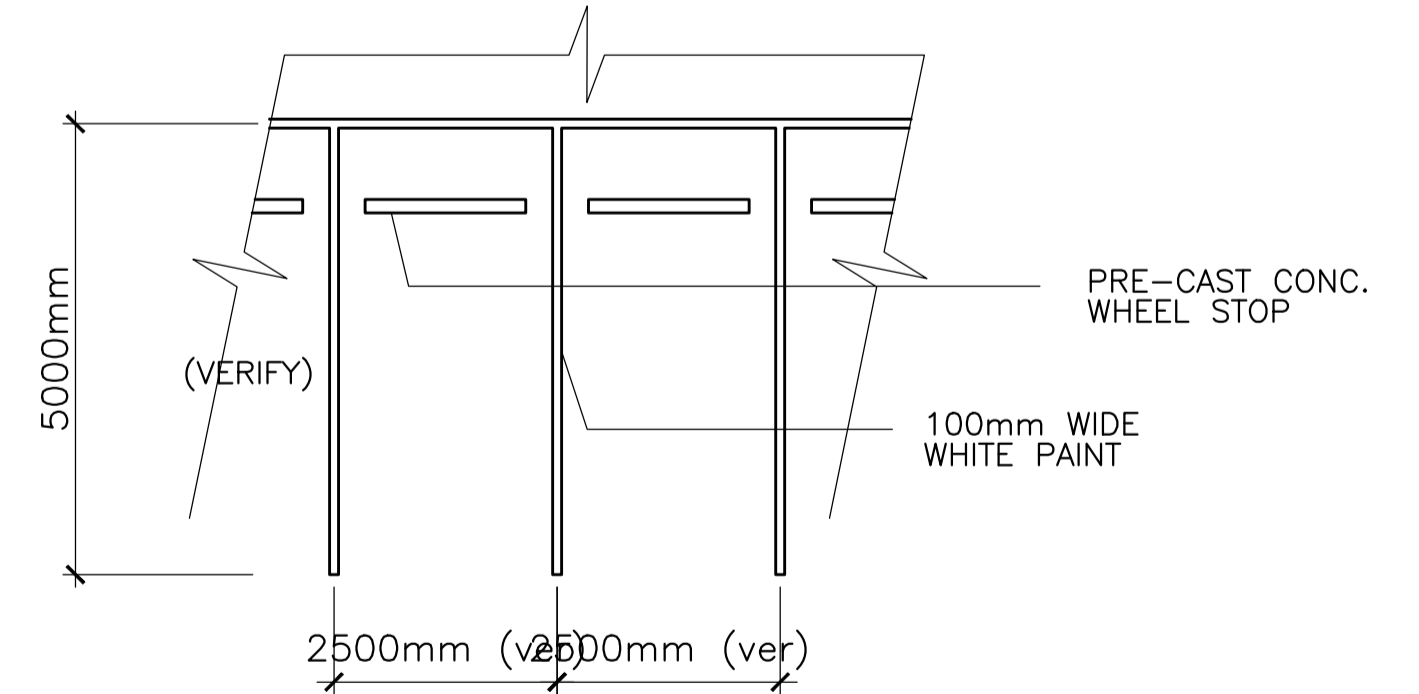
LOCATION	SLAB THICKNESS (T)
ROADWAY	300mm
PARKING FOR LIGHT VEHICLES	175mm
PARKING FOR DELIVERY TRUCKS	250mm
SIDEWALK	100mm

MATERIALS	SPECIFICATIONS	TESTING
PLAIN CONCRETE PAVEMENT	fc' = 4000 psi (27.60 Mpa) MAXIMUM WATER CEMENT RATIO = 0.42 SLUMP RANGE = 50 TO 100mm	Q.C.: 1 SET OF 5 CYLINDER EACH, MINIMUM, FOR EACH DAY OF POUR OR 12 CU. M.
SUBBASE	GRANULAR SUBBASE CONFORMING TO ASTM D1241 TYPE 1 COMPACT TO 95% MDD BASED ON ASTM D1557	FDT TEST FOR EVERY 400 SQ. M.
IMPROVED SUBGRADE	COMPACT MINIMUM OF 300mm OF EXISTING SUBGRADE TO 95% MDD BASED ON ASTM D1557 AFTER REMOVAL OF TOP SOIL AND ORGANIC MATERIALS	FDT TEST FOR EVERY 400 SQ. M.
PLAIN DOWEL 25mmØ	Fy = 60,000 psi (414 Mpa)	TENSION AND BEND TEST ON SAMPLE ASTM A370



**EXPANSION JOINT**

SCALE: NTS



**PARKING LAYOUT**

SCALE: NTS

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LOYOLA HEIGHTS  
 QUEZON CITY, 1106  
 TEL. NOS. 43-7009;  
 43-3022-04  
 FAX NOS. 327-1606;  
 43-7214

ENGINEER:  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER  
 PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

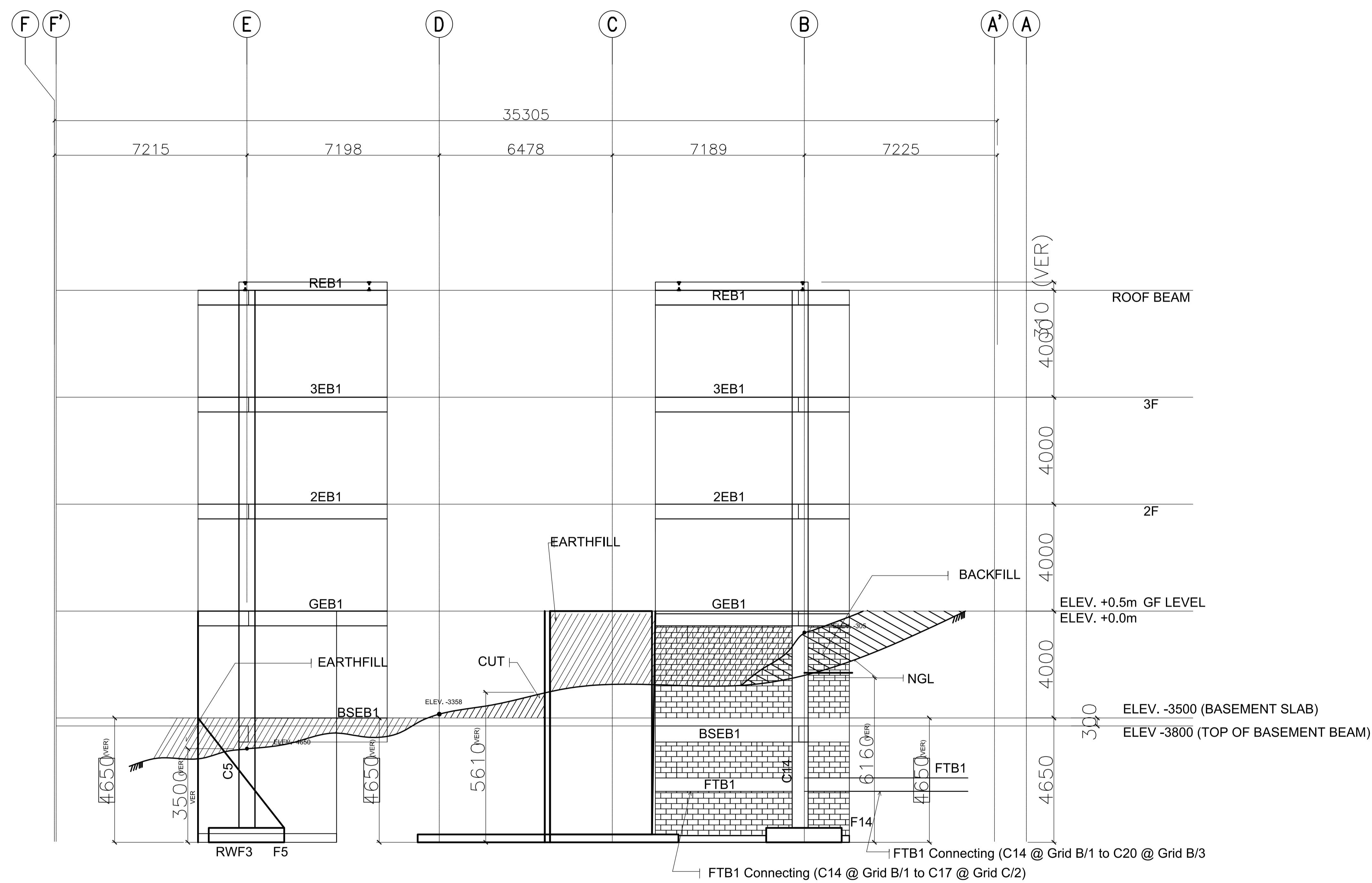
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 ROADWAY  
 SIDEWALK  
 CURB & GUTTER  
 CONTRACTION JOINT  
 EXPANSION JOINT

SHEET NO:  
**S**  
 20 35

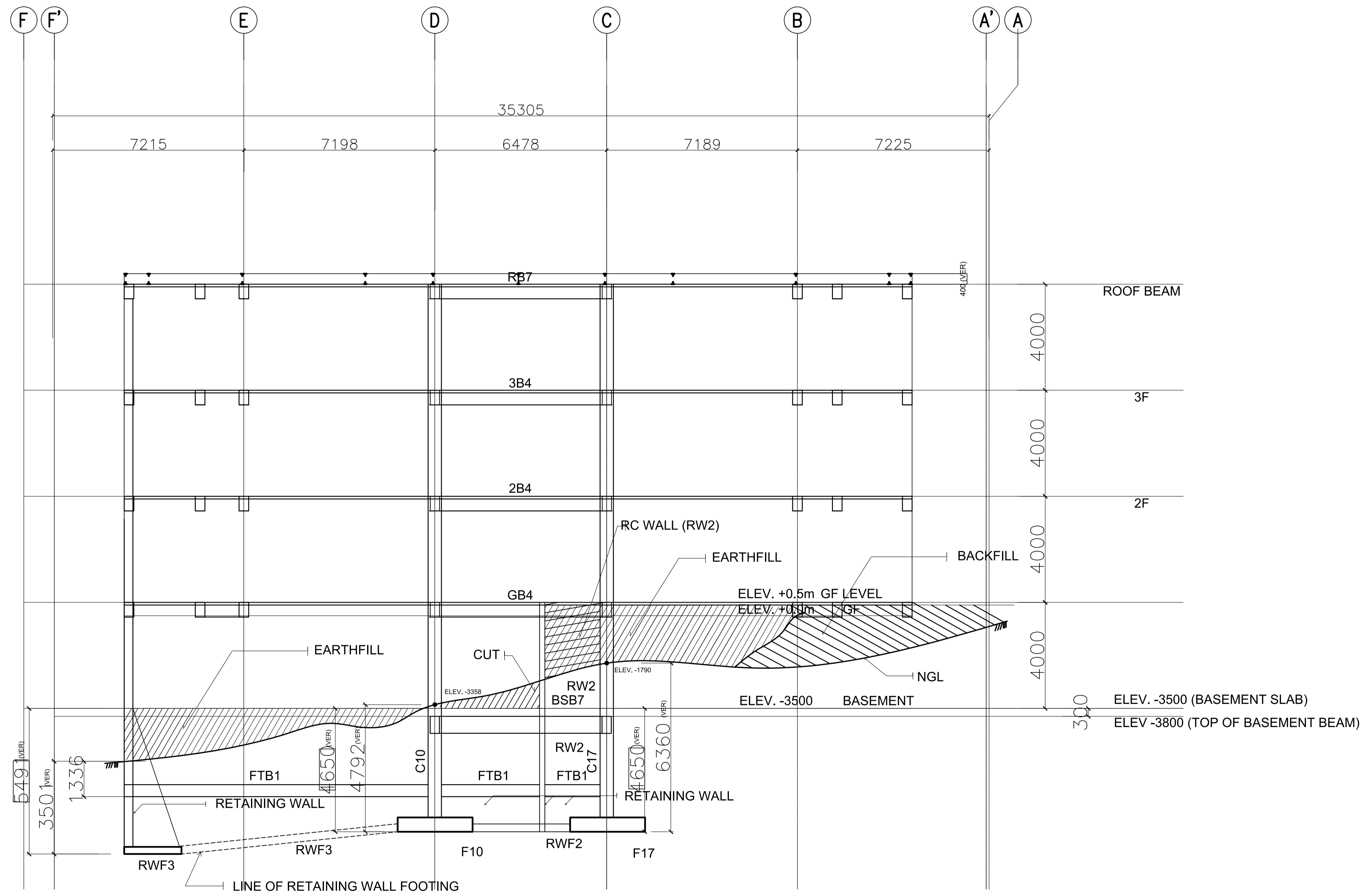




ACADEMIC BUILDING II  
**FRAME ELEVATION ALONG GRIDLINE 1**  
 SCALE: 1:100

<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER PRC No. 0076960 Validity: 04-14-2023 PTR No. 8676828 Date: 01-07-2021 Place: MARIKINA CITY TIN: 192-932-067	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiongan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: FRAME ELEVATION	SHEET NO: 
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3902-04 FAX NOS. 927-6606, 43-7214							

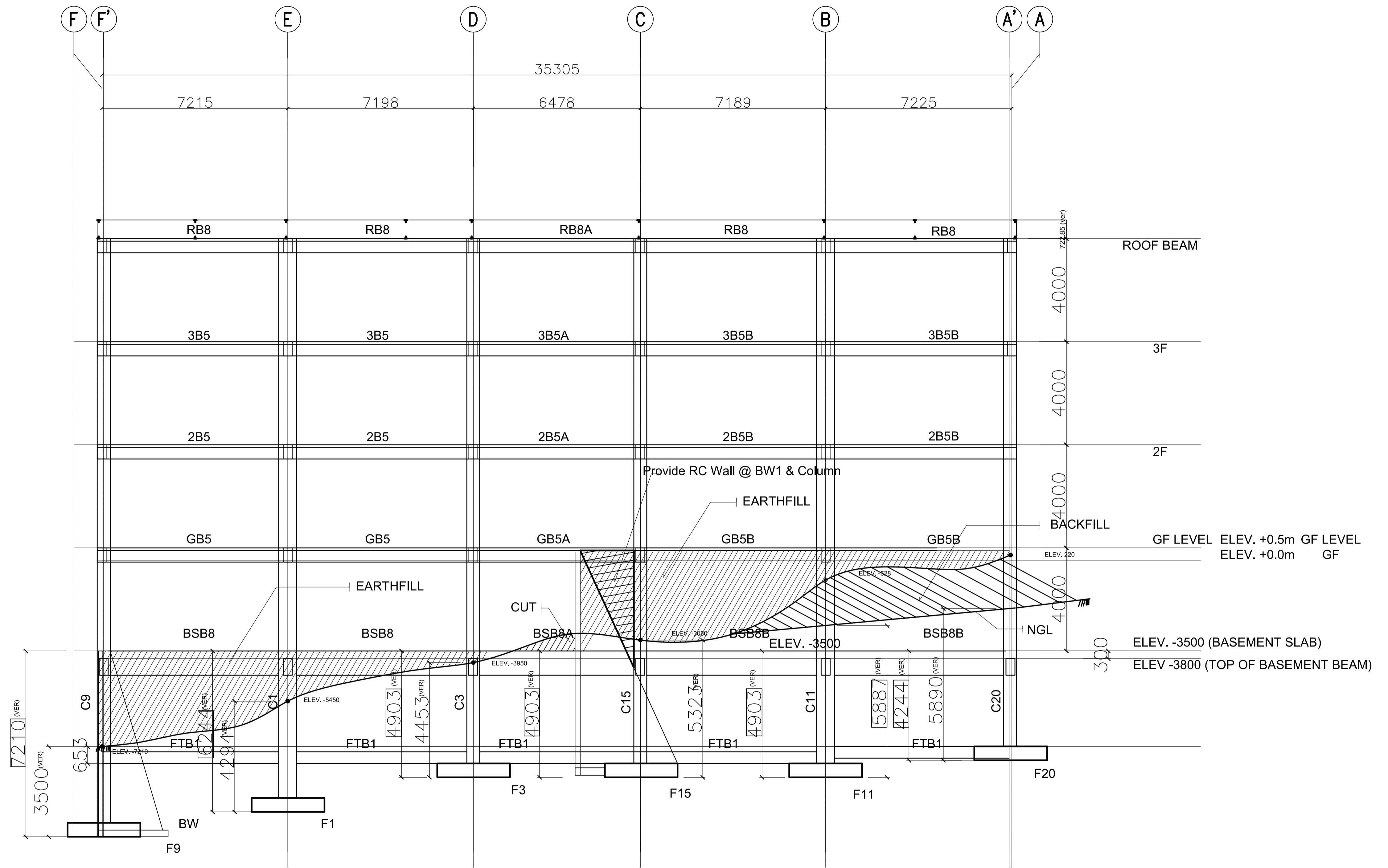




**ACADEMIC BUILDING II**  
**FRAME ELEVATION ALONG GRIDLINE 2**  
 SCALE: 1:100

<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small> SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3922-04 FAX NOS. 927-6606, 43-7214 <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small>	ENGINEER:  <b>ARNEL NIXON D. TAÑAZANA</b> <small>STRUCTURAL ENGINEER</small> PRC No. 0076960      Validity: 04-14-2023 PTR No. 8676828      Date: 01-07-2021 Place: MARIKINA CITY      TIN: 192-932-067	<b>REPUBLIC ACT 9266</b> <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT:  <p style="text-align: center;"><b>PROPOSED</b> <b>ACADEMIC BUILDING II</b></p> LOCATION: Brgy. Rizal, Odiongan, Romblon	DESIGNED FOR:   <small>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</small>	RECOMMENDING APPROVAL:  <p style="text-align: center;"><b>MERIAM F. FALLAR</b> FAD CHIEF</p>	APPROVED BY:  <p style="text-align: center;"><b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR</p>	SHEET CONTENTS:  <p style="text-align: center;">FRAME ELEVATION</p>	SHEET NO.:  <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center; width: 100%; height: 100%;"> <p style="margin: 0;"><b>S</b></p> <p style="margin: 0; font-size: 24px;"><b>22 35</b></p> </div> </div>
	<small>IN JOINT VENTURE WITH</small>							

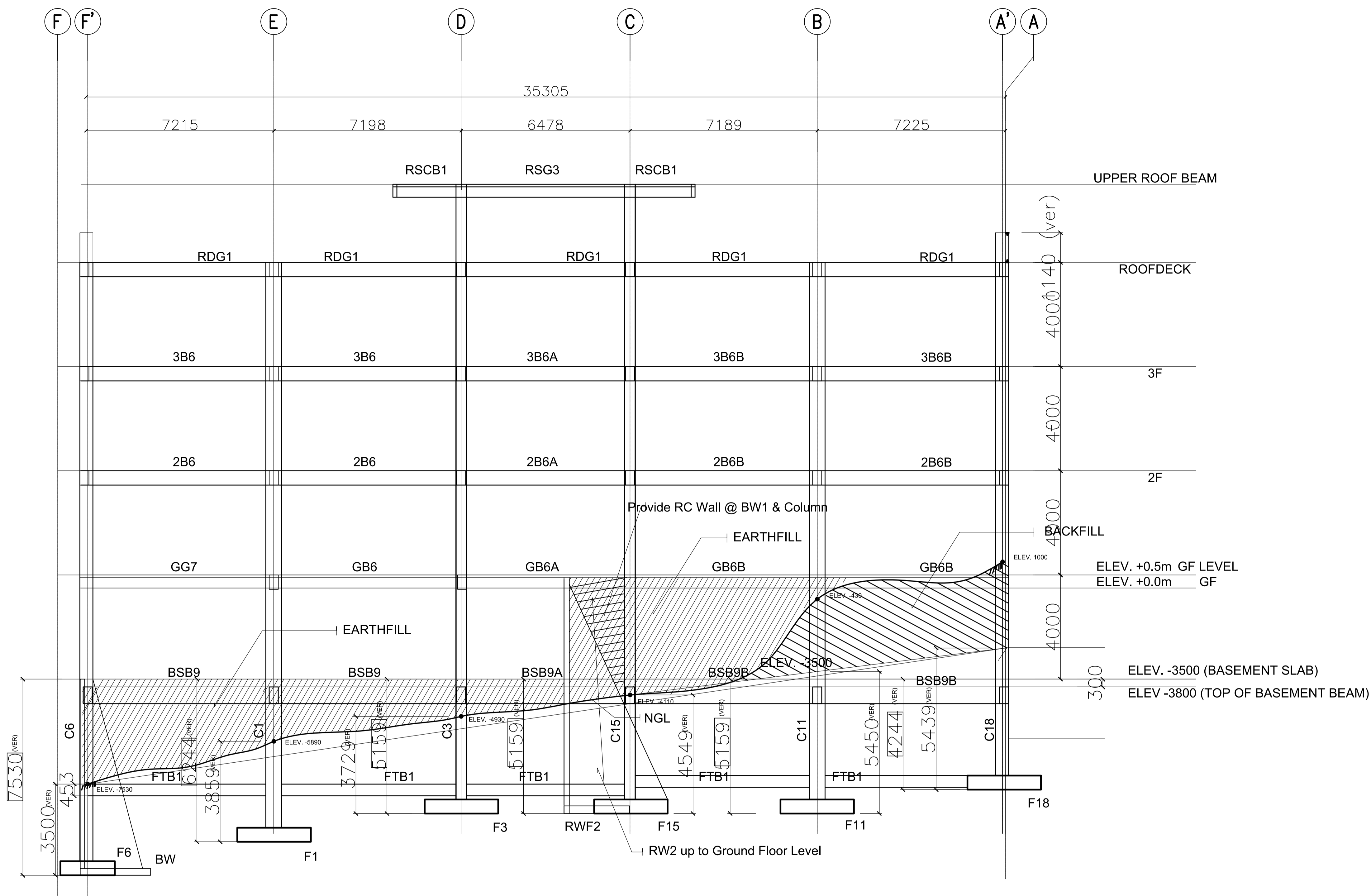




**ACADEMIC BUILDING II**  
**FRAME ELEVATION ALONG GRIDLINE 3**  
 SCALE: 1:100



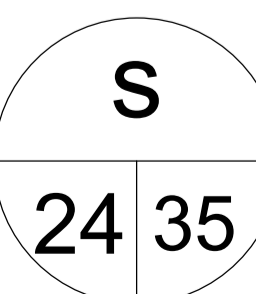
<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small> <small>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LUVIOLA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3922-04 FAX NOS. 927-6606, 43-7214</small> <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small>	<b>ENGINEER:</b>  <b>ARNEL NIXON D. TAÑAZANA</b> <small>STRUCTURAL ENGINEER</small> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">PRC No. 0076960</td> <td style="border: none;">Validity: 04-14-2023</td> </tr> <tr> <td style="border: none;">PTR No. 8676828</td> <td style="border: none;">Date: 01-07-2021</td> </tr> <tr> <td style="border: none;">Place: MARIKINA CITY</td> <td style="border: none;">TIN: 192-932-067</td> </tr> </table>	PRC No. 0076960	Validity: 04-14-2023	PTR No. 8676828	Date: 01-07-2021	Place: MARIKINA CITY	TIN: 192-932-067	<b>REPUBLIC ACT 9266</b> <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	<b>PROJECT:</b>  <p style="text-align: center;"><b>PROPOSED</b> <b>ACADEMIC BUILDING II</b></p> <small>LOCATION: Brgy. Rizal, Odiongan, Romblon</small>	<b>DESIGNED FOR:</b>  <small>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</small>	<b>RECOMMENDING APPROVAL:</b>  <p style="text-align: center;"><b>MERIAM F. FALLAR</b> FAD CHIEF</p>	<b>APPROVED BY:</b>  <p style="text-align: center;"><b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR</p>	<b>SHEET CONTENTS:</b>  <p style="text-align: center;">FRAME ELEVATION</p>	<b>SHEET NO.:</b>  <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-bottom: 5px;"><b>S</b></div> <div style="font-size: 24px; font-weight: bold;">23</div> <div style="text-align: right; margin-left: 5px; font-size: 24px; font-weight: bold;">35</div> </div>
PRC No. 0076960	Validity: 04-14-2023													
PTR No. 8676828	Date: 01-07-2021													
Place: MARIKINA CITY	TIN: 192-932-067													



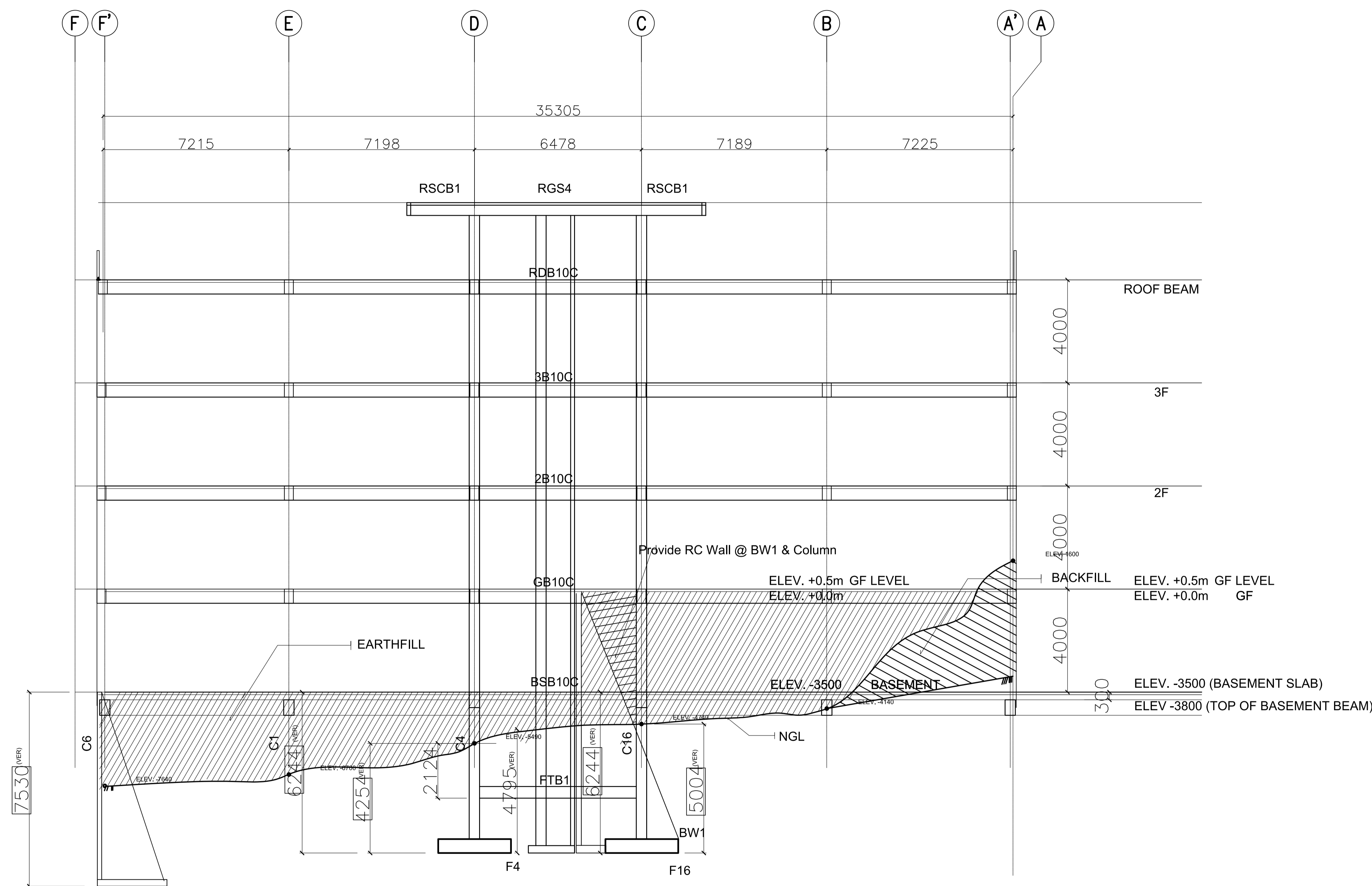


ACADEMIC BUILDING II  
**FRAME ELEVATION ALONG GRIDLINE 4**

SCALE: 1:100

 <p><b>ENRIQUE O. OLANON &amp; ASSOCIATES</b>          ARCHITECTS ENGINEERS CONSULTANTS          IN JOINT VENTURE WITH  <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b>          ARCHITECTS ENGINEERS CONSULTANTS</p>	ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER PRC No. 0076960 Validity: 04-14-2023 PTR No. 8676828 Date: 01-07-2021 Place: MARIKINA CITY TIN: 192-932-067	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiongan, Romblon	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: FRAME ELEVATION	SHEET NO: 
	<p>           SUITE 305            XAVIERVILLE SQUARE            CONDOMINIUM            NO. 38 XAVIERVILLE            AVE., LOYOLA HEIGHTS,            QUEZON CITY, 1108            TEL. NOS. 43-7009,            43-3922-04            FAX NOS. 927-6606,            43-7214         </p>							

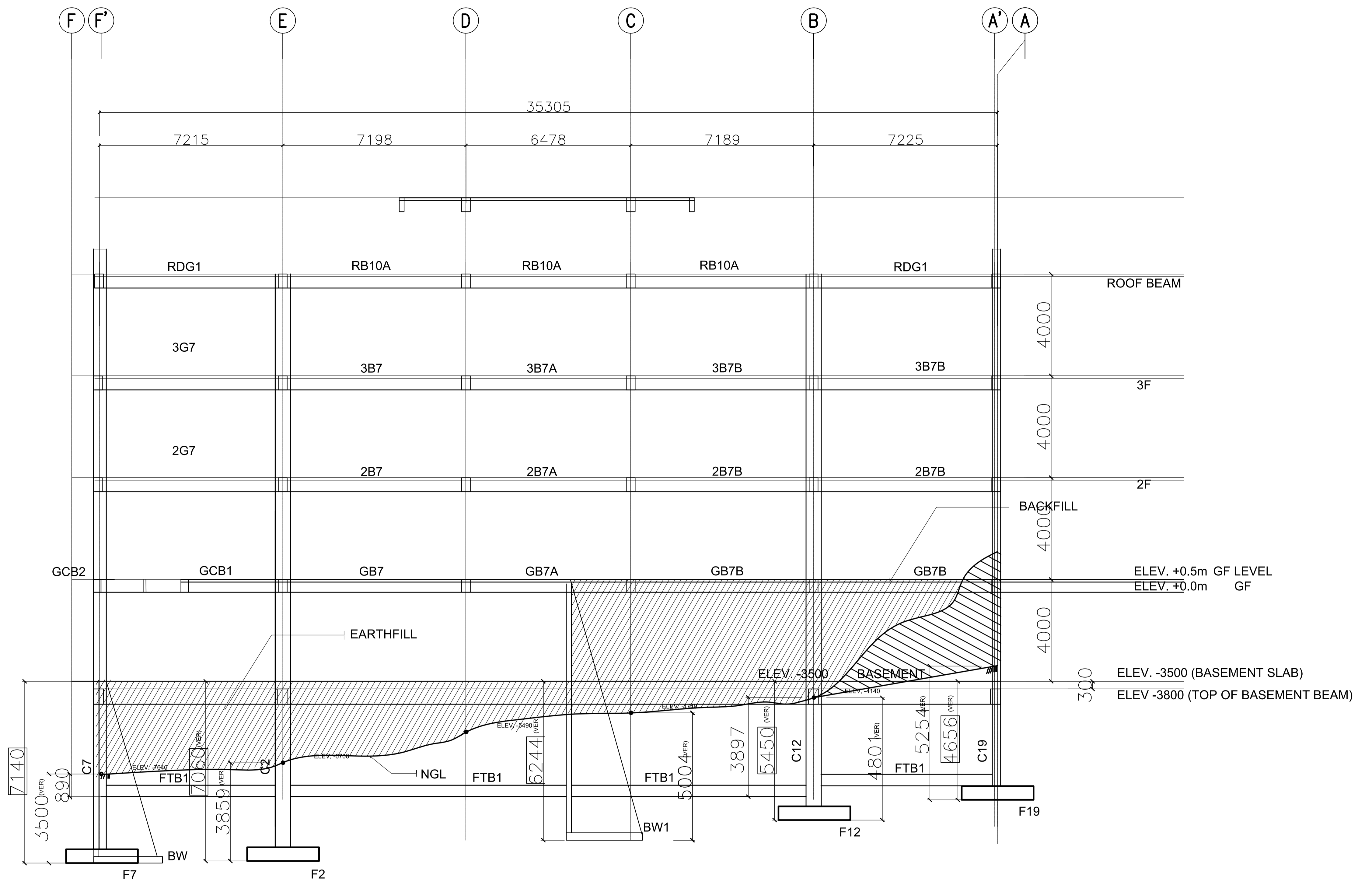




**ACADEMIC BUILDING II**  
**FRAME ELEVATION ALONG GRIDLINE 5**  
 SCALE: 1:100

<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small> SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS. 43-7009, 43-3922-04 FAX NOS. 927-6606, 43-7214 <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small>	ENGINEER:  <b>ARNEL NIXON D. TAÑAZANA</b> <small>STRUCTURAL ENGINEER</small> PRC No. 0076960      Validity: 04-14-2023 PTR No. 8676828      Date: 01-07-2021 Place: MARIKINA CITY      TIN: 192-932-067	REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT:  <p style="text-align: center;"><b>PROPOSED</b> <b>ACADEMIC BUILDING II</b></p> LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR:   <small>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</small>	RECOMMENDING APPROVAL:  <b>MERIAM F. FALLAR</b> <small>FAD CHIEF</small>	APPROVED BY:  <b>EDWARD C. ALBARACIN</b> <small>CAMPUS DIRECTOR</small>	SHEET CONTENTS:  FRAME ELEVATION	SHEET NO.:  <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> <p style="margin: 0;"><b>S</b></p> <p style="margin: 0;">25 35</p> </div> </div>





ACADEMIC BUILDING II  
**FRAME ELEVATION ALONG GRIDLINE 6**  
 SCALE: 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LOYOLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS. 43-7009,  
 43-3902-04  
 FAX NOS. 927-6606,  
 43-7214

ENGINEER:  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER  
 PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

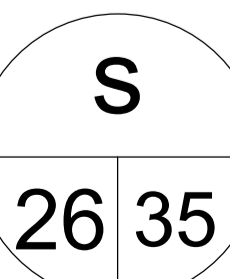
PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

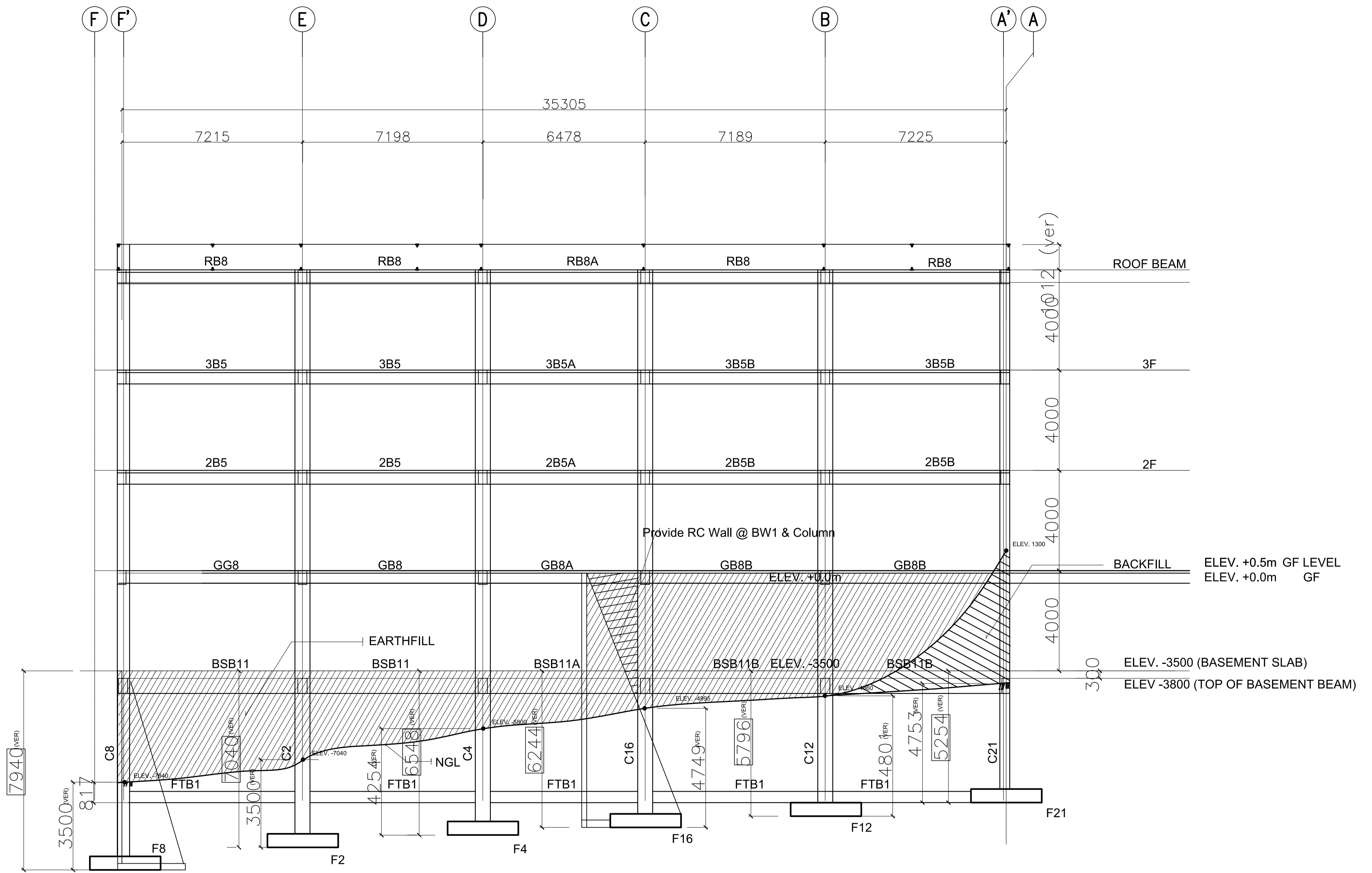
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 FRAME ELEVATION

SHEET NO:  




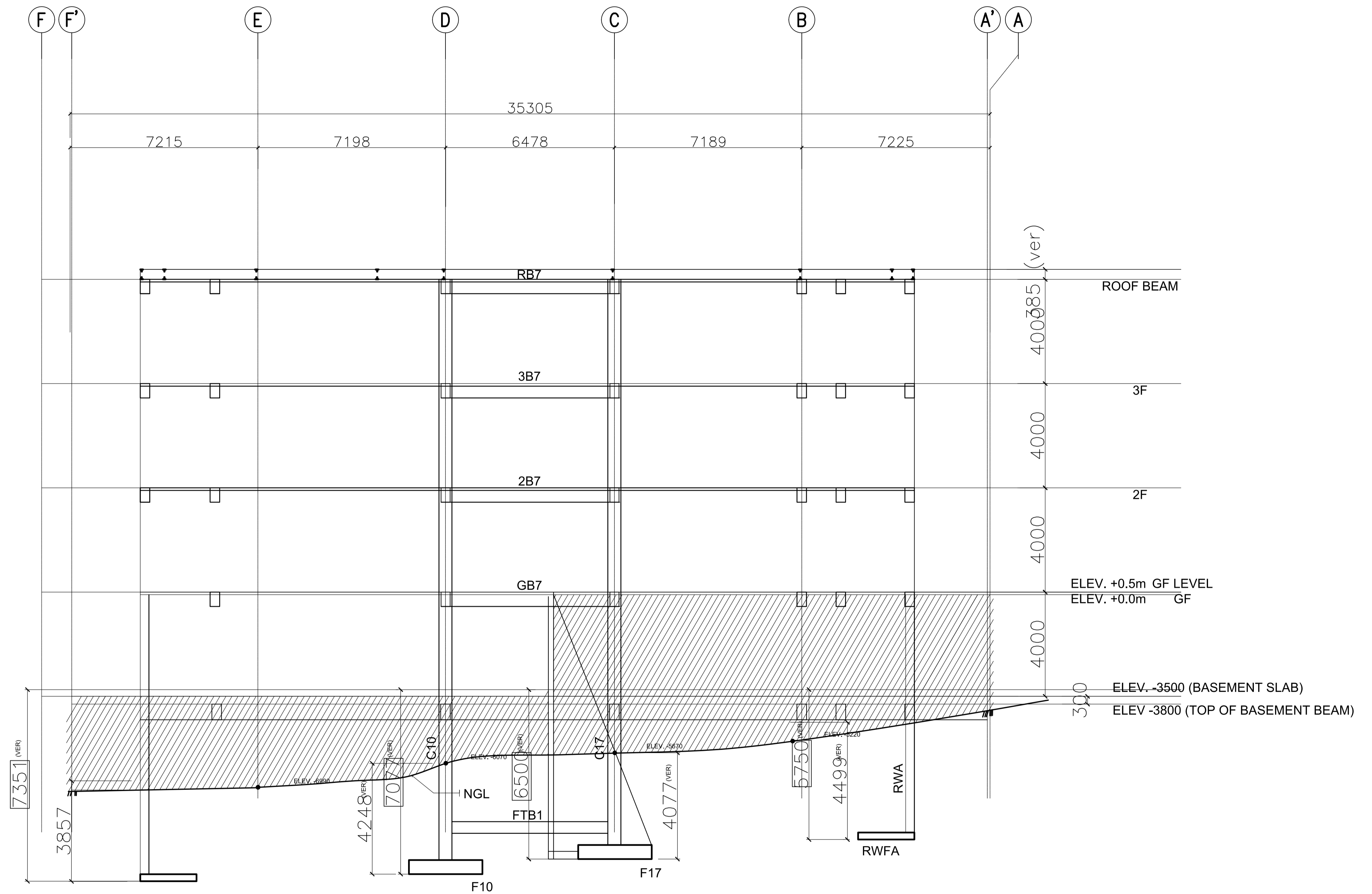


NOTES:  
 ALL FOOTINGS & RETAINING WALL  
 MUST BE SOCKETED TO HARD STRATA  
 (VERIFY ACTUAL EMBEDMENT)

ACADEMIC BUILDING II  
**FRAME ELEVATION ALONG GRIDLINE 7**  
 SCALE: 1:100

<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER PRC No. 0076960 Validity: 04-14-2023 PTR No. 8676828 Date: 01-07-2021 Place: MARIKINA CITY TIN: 192-932-067	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiongan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: FRAME ELEVATION	SHEET NO: 
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS. 43-7009, 43-3002-04 FAX NOS. 927-6608, 43-7214							





NOTES:  
 ALL FOOTINGS & RETAINING WALL  
 MUST BE SOCKETED TO HARD STRATA  
 (VERIFY ACTUAL EMBEDMENT)

ACADEMIC BUILDING II  
 FRAME ELEVATION ALONG GRIDLINE 8

SCALE: 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LOYOLA HEIGHTS,  
 QUEZON CITY, 1106  
 TEL. NOS. 43-7009,  
 43-3022-04  
 FAX NOS. 927-6606,  
 43-7214

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER  
 PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:



RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

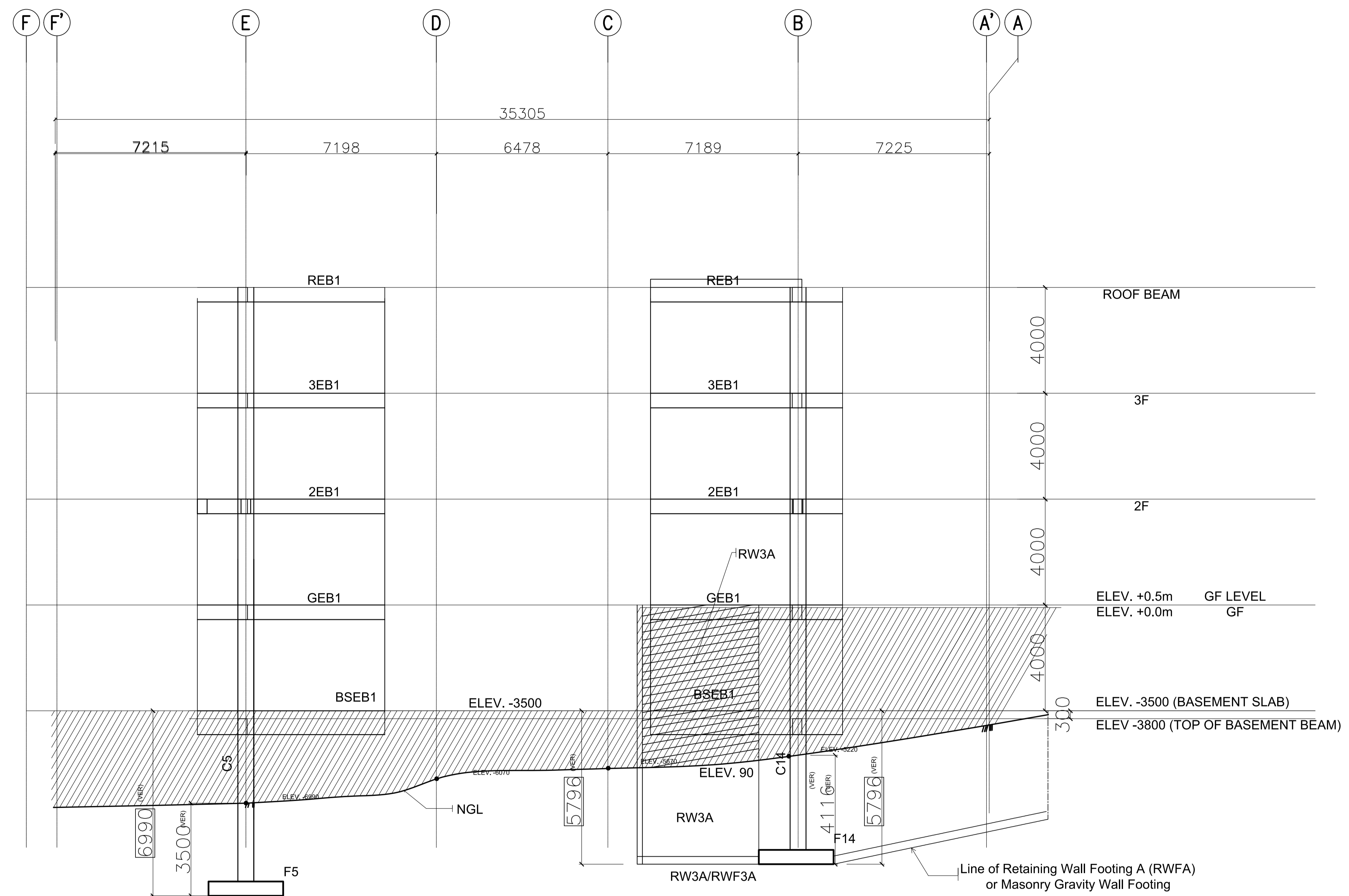
SHEET CONTENTS:

FRAME ELEVATION

SHEET NO:

**S**  
 28 35



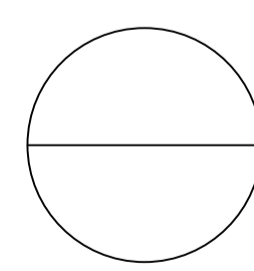
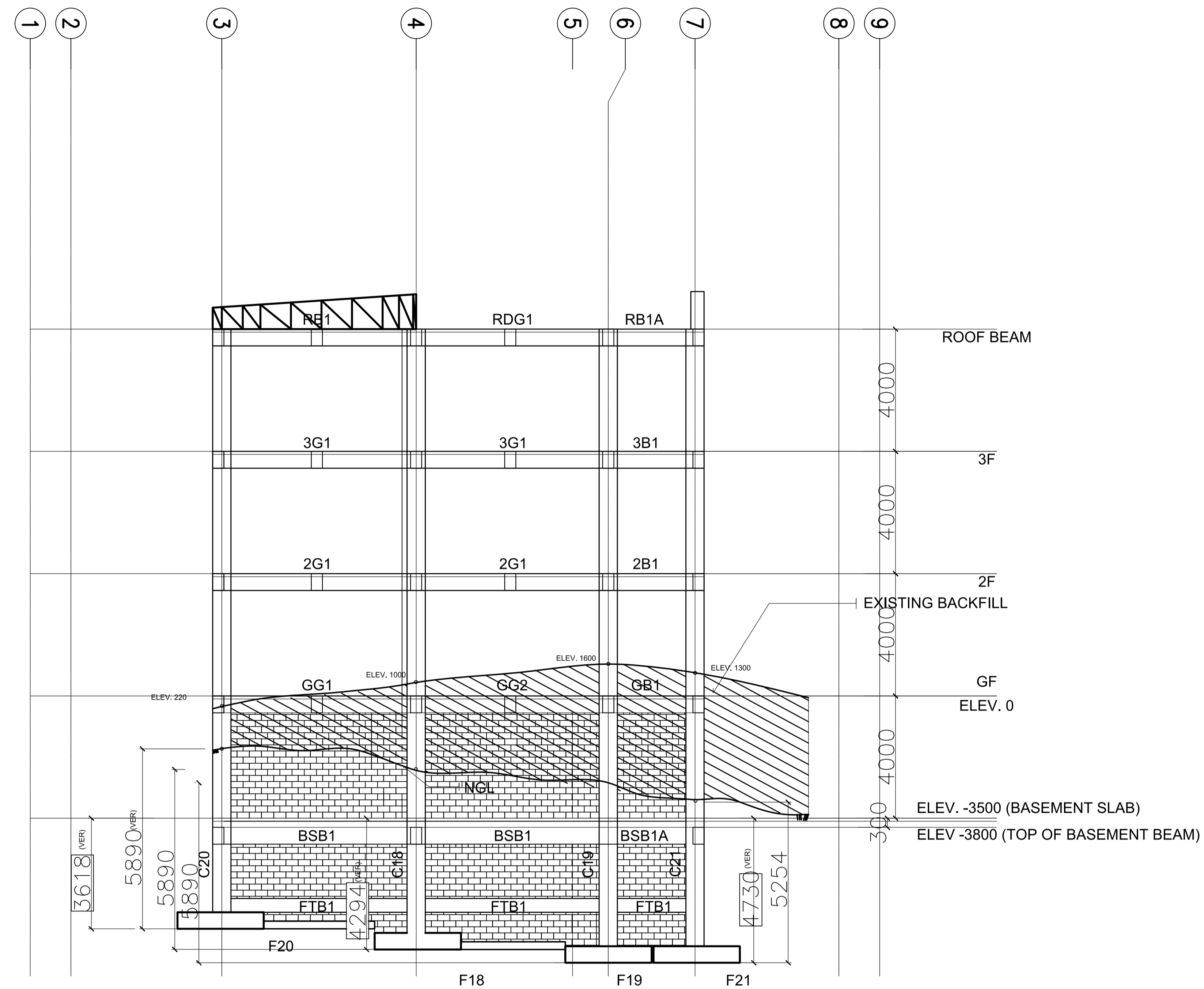


ACADEMIC BUILDING II  
**FRAME ELEVATION ALONG GRIDLINE 9**  
 SCALE: 1:100




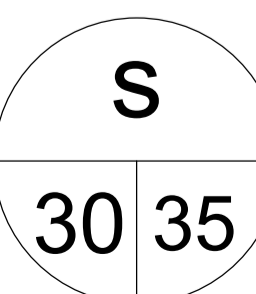
NOTES:  
 ALL FOOTINGS & RETAINING WALL  
 MUST BE SOCKETED TO HARD STRATA  
 (VERIFY ACTUAL EMBEDMENT)

<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER	REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: FRAME ELEVATION	SHEET NO.: 
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LUVIOLA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3022-04 FAX NOS. 927-6608, 43-7214	PRC No. 0076960 PTR No. 8676828 Place: MARIKINA CITY	Validity: 04-14-2023 Date: 01-07-2021 TIN: 192-932-067	LOCATION: Brgy. Rizal, Odiongan, Romblon				

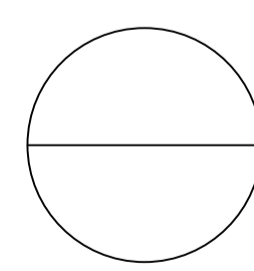
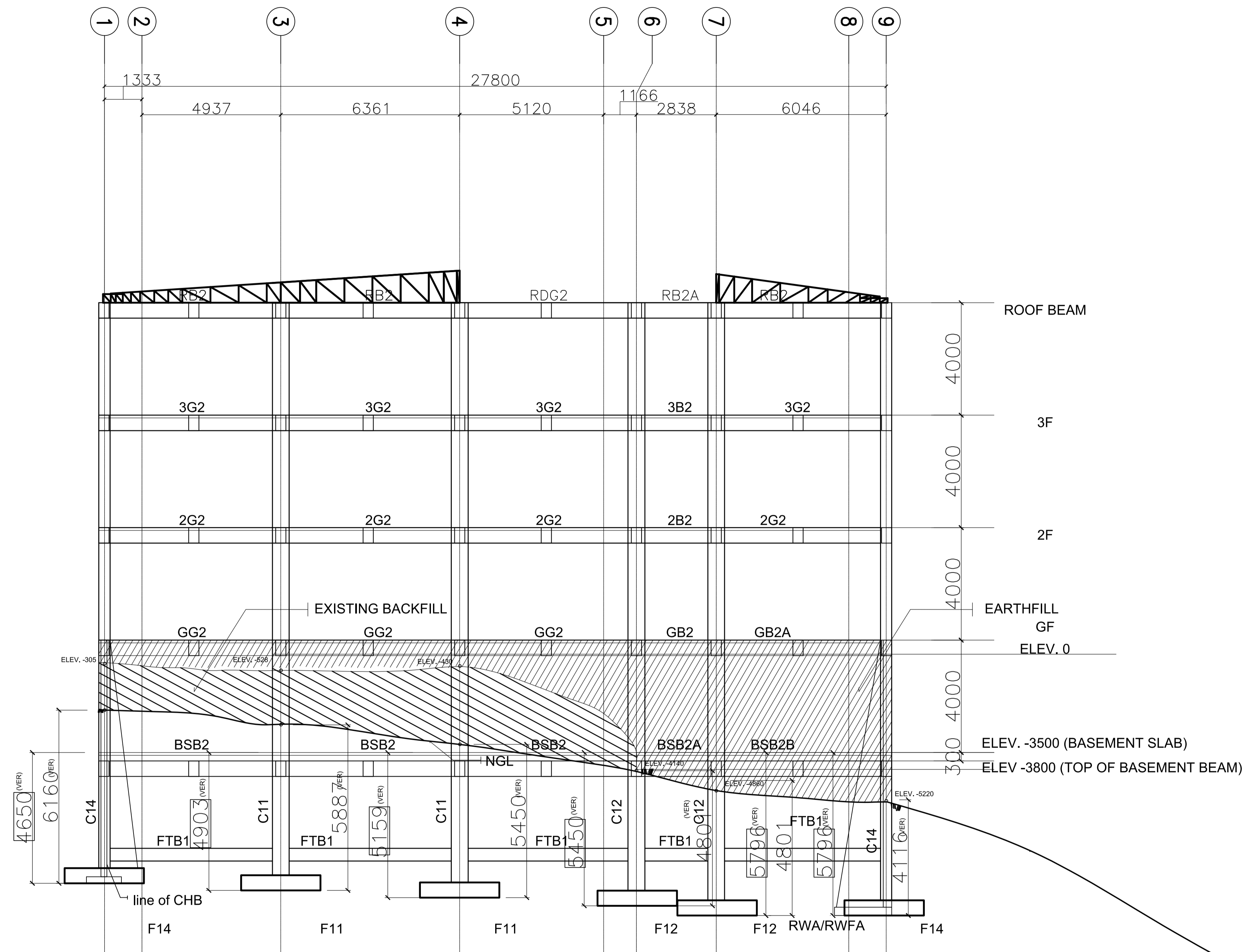




ACADEMIC BUILDING II  
**FRAME ELEVATION ALONG GRIDLINE A'**  
 SCALE: 1:100

 <b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH  <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER:  <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER	REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT:  <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR:   REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL:  <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY:  <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS:  FRAME ELEVATION	SHEET NO.:  
	<small>SUITE 305          XAVIERVILLE SQUARE          CONDOMINIUM          NO. 38 XAVIERVILLE          AVE., LOYOLA HEIGHTS,          QUEZON CITY, 1106          TEL. NOS. 43-7009,          43-3922-04          FAX NOS. 927-6606,          43-7214</small>	PRC No. 0076960      Validity: 04-14-2023 PTR No. 8676828      Date: 01-07-2021 Place: MARIKINA CITY      TIN: 192-932-067	LOCATION: Brgy. Rizal, Odiongan, Romblon					





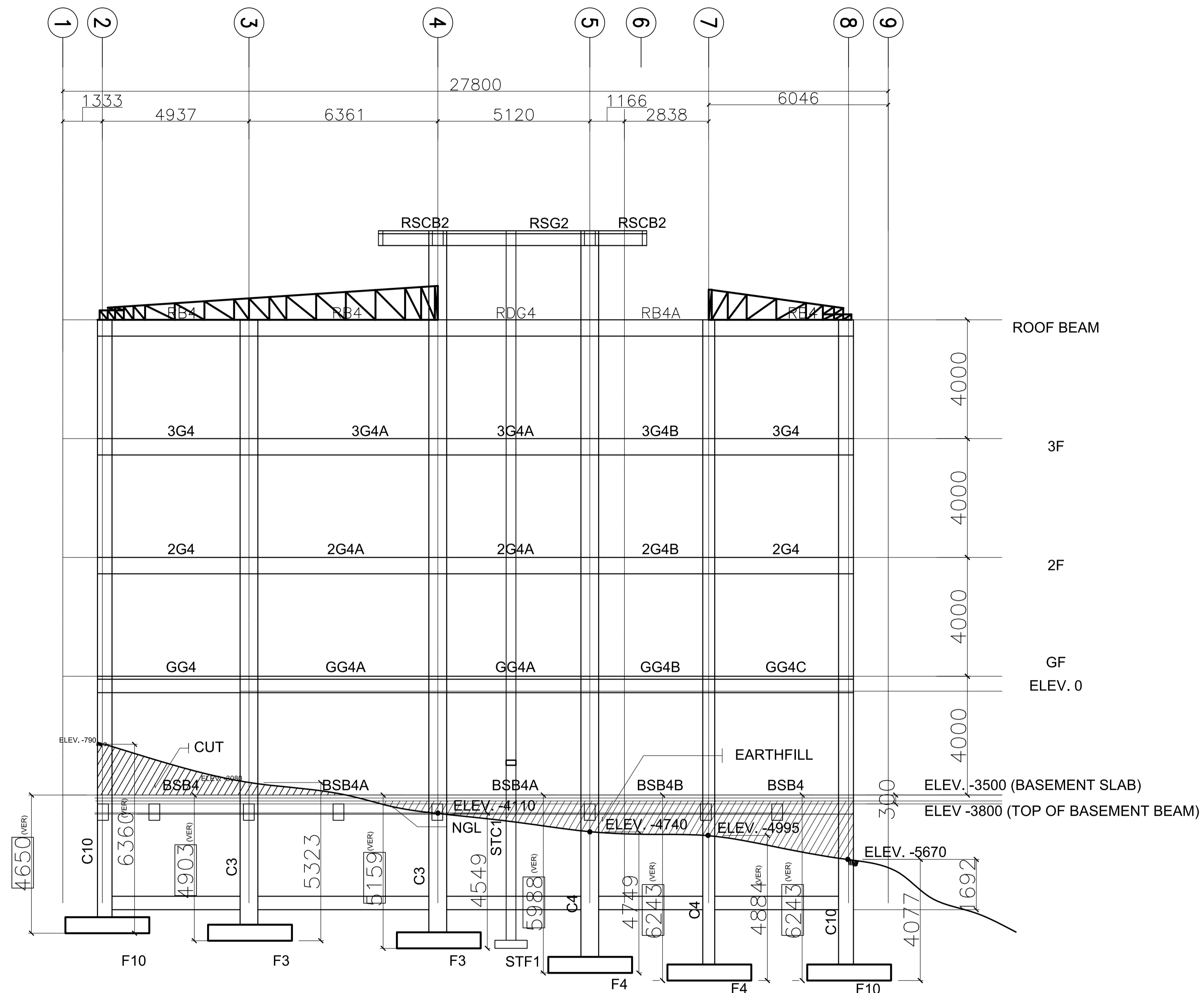
ACADEMIC BUILDING II  
**FRAME ELEVATION ALONG GRIDLINE B**  
 SCALE: 1:100

<b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER: <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER	REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: FRAME ELEVATION	SHEET NO.: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> <p>S</p> <p>31 35</p> </div> </div>
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3022-04 FAX NOS. 927-6606, 43-7214	PRC No. 0076960 PTR No. 8676828 Place: MARIKINA CITY	Validity: 04-14-2023 Date: 01-07-2021 TIN: 192-932-067	LOCATION: Brgy. Rizal, Odiongan, Romblon				





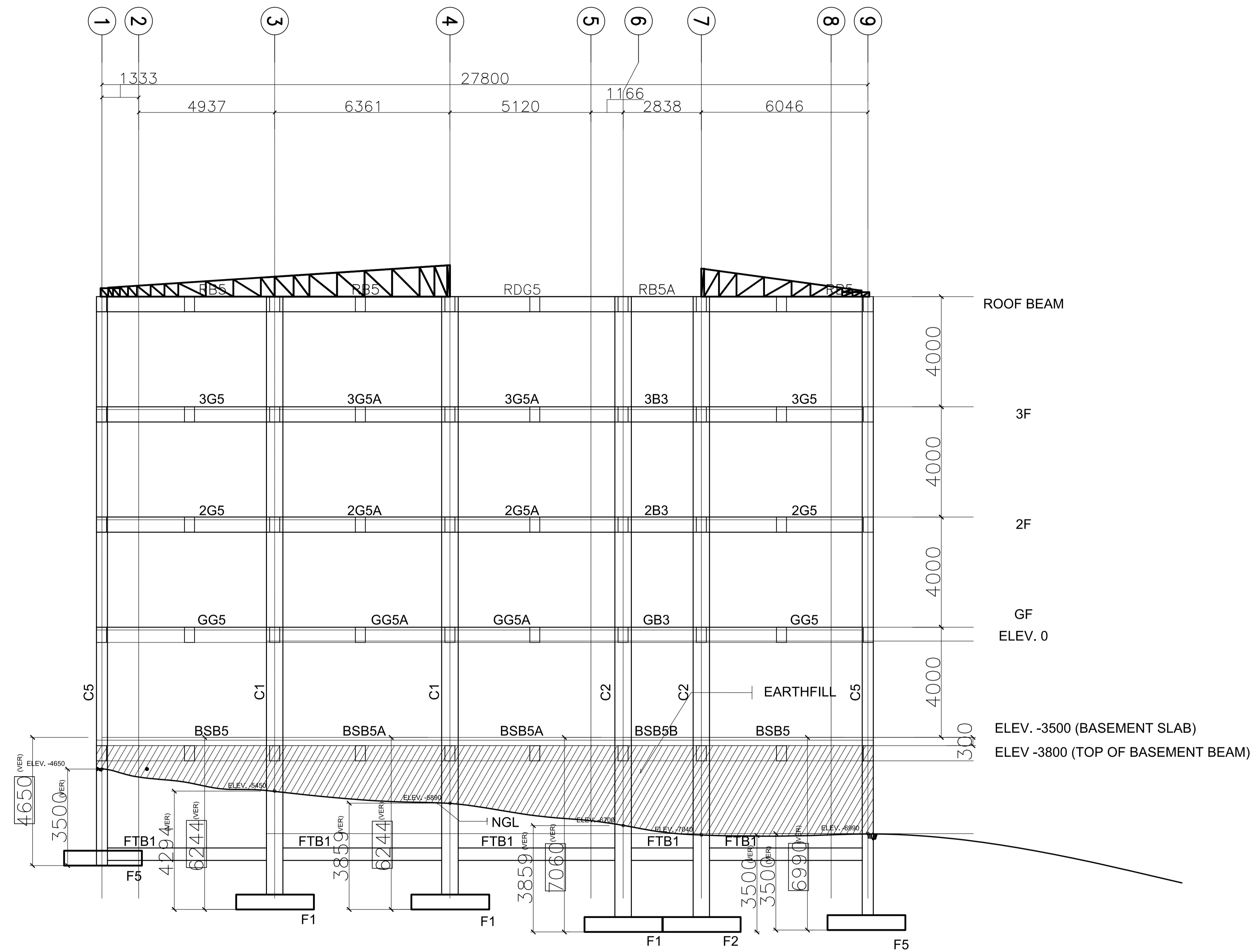




**ACADEMIC BUILDING II**  
**FRAME ELEVATION ALONG GRIDLINE D**  
 SCALE: 1:100

<b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small> <small>IN JOINT VENTURE WITH</small> <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small>	<small>ENGINEER:</small>  <b>ARNEL NIXON D. TAÑAZANA</b> <small>STRUCTURAL ENGINEER</small> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><small>PRC No.</small> 0076960</td> <td><small>Validity:</small> 04-14-2023</td> </tr> <tr> <td><small>PTR No.</small> 8676828</td> <td><small>Date:</small> 01-07-2021</td> </tr> <tr> <td><small>Place:</small> MARIKINA CITY</td> <td><small>TIN:</small> 192-932-067</td> </tr> </table>	<small>PRC No.</small> 0076960	<small>Validity:</small> 04-14-2023	<small>PTR No.</small> 8676828	<small>Date:</small> 01-07-2021	<small>Place:</small> MARIKINA CITY	<small>TIN:</small> 192-932-067	<small>REPUBLIC ACT 9266</small> <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	<small>PROJECT:</small>  <p style="text-align: center;"><b>PROPOSED</b> <b>ACADEMIC BUILDING II</b></p> <small>LOCATION:</small> Brgy. Rizal, Odiongan, Romblon	<small>DESIGNED FOR:</small>  <small>REPUBLIC OF THE PHILIPPINES</small> <small>PHILIPPINE SCIENCE HIGH SCHOOL -</small> <small>MIMAROPA REGIONAL CAMPUS</small>	<small>RECOMMENDING APPROVAL:</small>  <p style="text-align: center;"><b>MERIAM F. FALLAR</b> <small>FAD CHIEF</small></p>	<small>APPROVED BY:</small>  <p style="text-align: center;"><b>EDWARD C. ALBARACIN</b> <small>CAMPUS DIRECTOR</small></p>	<small>SHEET CONTENTS:</small>  <p style="text-align: center;">FRAME ELEVATION</p>	<small>SHEET NO.:</small>  <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="font-size: 24px; font-weight: bold; margin-bottom: 5px;">S</div> <div style="font-size: 24px; font-weight: bold;">33 35</div> </div>
<small>PRC No.</small> 0076960	<small>Validity:</small> 04-14-2023													
<small>PTR No.</small> 8676828	<small>Date:</small> 01-07-2021													
<small>Place:</small> MARIKINA CITY	<small>TIN:</small> 192-932-067													

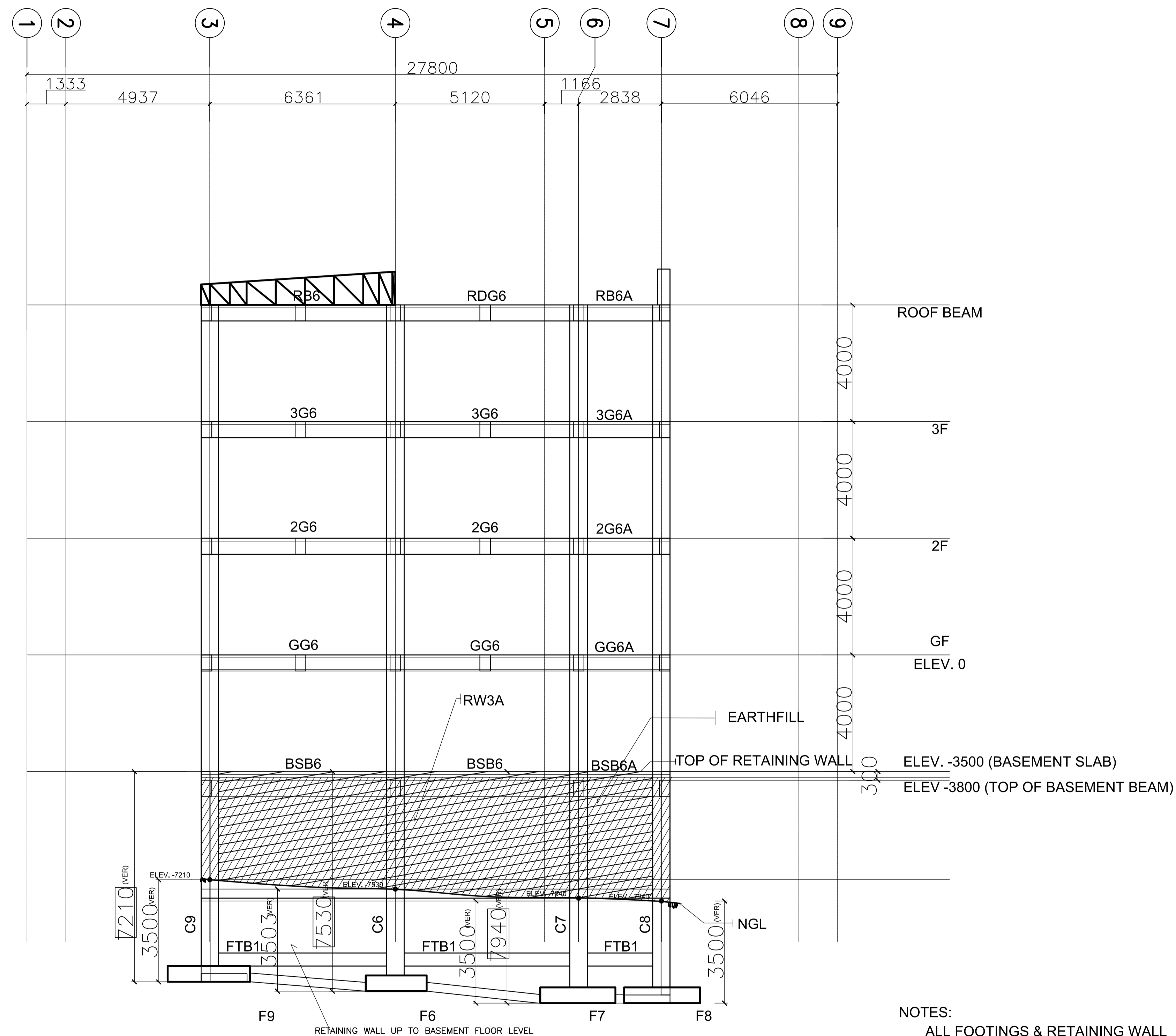




**ACADEMIC BUILDING II**  
**FRAME ELEVATION ALONG GRIDLINE E**  
 SCALE: 1:100

<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small> IN JOINT VENTURE WITH <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> <small>ARCHITECTS ENGINEERS CONSULTANTS</small>	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LUVILA HEIGHTS, QUEZON CITY, 1106 TEL. NOS. 43-7009, 43-3922-04 FAX NOS. 927-6698, 43-7214	<b>ENGINEER:</b>  <b>ARNEL NIXON D. TAÑAZANA</b> STRUCTURAL ENGINEER PRC No. 0076960      Validity: 04-14-2023 PTR No. 8676828      Date: 01-07-2021 Place: MARIKINA CITY      TIN: 192-932-067	<b>REPUBLIC ACT 9266</b> DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	<b>PROJECT:</b>  <b>PROPOSED</b> <b>ACADEMIC BUILDING II</b>  LOCATION: Brgy. Rizal, Odiongan, Romblon	<b>DESIGNED FOR:</b>   REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	<b>RECOMMENDING APPROVAL:</b>  <b>MERIAM F. FALLAR</b> FAD CHIEF	<b>APPROVED BY:</b>  <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	<b>SHEET CONTENTS:</b>  FRAME ELEVATION	<b>SHEET NO.:</b>  <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> <b>S</b>  <hr style="width: 100%;"/> <b>34 35</b> </div> </div>
--	---	---	---	---	---	---	--	---	---





ACADEMIC BUILDING II  
**FRAME ELEVATION ALONG GRIDLINE F**

SCALE: 1:100

NOTES:  
 ALL FOOTINGS & RETAINING WALL  
 MUST BE SOCKETED TO HARD STRATA  
 (VERIFY ACTUAL EMBEDMENT)

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LOYOLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS. 43-7009,  
 43-3922-04  
 FAX NOS. 927-6698,  
 43-7214

ENGINEER:  
**ARNEL NIXON D. TAÑAZANA**  
 STRUCTURAL ENGINEER  
 PRC No. 0076960 Validity: 04-14-2023  
 PTR No. 8676828 Date: 01-07-2021  
 Place: MARIKINA CITY TIN: 192-932-067

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

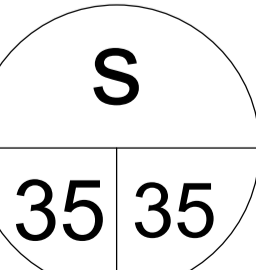
PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 FRAME ELEVATION

SHEET NO:  




**GENERAL NOTES**

- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE RULES, REGULATIONS AND REQUIREMENTS OF THE DISTRIBUTION UTILITY AND/OR THE LAWS AND ORDINANCES OF THE LOCAL CODE ENFORCING AUTHORITY.
- PRIMARY ELECTRIC SERVICE SHALL BE 13.2KV 3Ø, 3-WIRE, 60HZ
- SECONDARY ELECTRICAL SYSTEM SHALL BE 230V 3-WIRE + GROUND, 3Ø, 60HZ
- WIRE COLOR CODING SHALL BE AS FOLLOWS:
  - = PHASE CONDUCTORS – (R,Y,B) RED, YELLOW, and BLUE FOR LINES 1, 2 AND 3 RESPECTIVELY.
  - = NEUTRAL – WHITE
  - = GROUND – GREEN
- METHOD OF WIRING SHALL BE AS FOLLOWS; UNLESS OTHERWISE SPECIFIED IN AND DATA LINES WHICH SHALL BE IMC.
  - EMBEDDED IN CONCRETE = USE PVC SCH.40 CONDUIT EXCEPT COMMUNICATION AND DATA LINES WHICH SHALL BE IMC.
  - NOT EMBEDDED IN CONCRETE :
    - = USE EMT CONDUITS WITH SIZE NOT LARGER THAN 25mm DIAMETER.
    - = USE IMC WITH SIZE LARGER THAN 25mm DIAMETER.
    - = USE METALLIC WIREWAY WHERE INDICATED IN DRAWINGS.
- USE SHORT LENGTH FLEXIBLE METALLIC CONDUIT FOR CONDUIT TERMINATION TO EQUIPMENT SUBJECT TO VIBRATION.
- MINIMUM SIZE OF CONDUIT SHALL BE 13mm NOMINAL DIAMETER "USE UL Listed EMT AND IMC CONDUITS AND FITTINGS". CONDUIT SIZE IS BASED ON INTERNAL DIAMETER
- MINIMUM SIZE OF WIRES SHALL BE 2.0mm THHN/THWN-2. UNLESS OTHERWISE SPECIFIED IN DRAWING.
- ALL MATERIALS SHALL BE BRAND NEW AND OF SUITABLE AND APPROVED TYPE FOR LOCATION AND PURPOSE.
- ALL 20 AMPERE CIRCUIT HOMERUNS TO PANELBOARD MORE THAN 230 METERS IN LENGTH SHALL BE 5.5mm MINIMUM, UNLESS OTHERWISE NOTED.
- STANDARD TYPE OF ACCESSORIES, SPLICING DEVICES, TERMINATION AND OTHER APPURTENANCES FOR THE ENTIRE ELECTRICAL INSTALLATION SHALL BE USED.
- ALL NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENTS SHALL BE EFFECTIVELY GROUNDING.
- WHENEVER NECESSARY, PULL BOX SHALL BE PROVIDED EVEN IF NOT INDICATED IN THE PLANS.
- ALL DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED AS ACTUAL LOCATIONS, DISTANCES, AND LEVELS ARE GOVERNED BY FIELD CONDITIONS.
- MINIMUM GROUNDING RESISTANCE SHALL BE 5 OHMS.
- WIRE GUTTERS SHALL BE SIZED NOT TO EXCEED TEN (10) PERCENT CONDUCTOR FILL.
- WIRE GUTTERS SHALL NOT CONTAIN MORE THAN 20 CONDUCTORS AT ANY CROSS SECTION.
- MAXIMUM SPACING BETWEEN CONDUIT SUPPORTS SHALL BE 1500mm AND 300mm BETWEEN SUPPORT AND FITTINGS OR BOXES.
- PANEL BOARDS, BOXES AND CABINETS SHALL BE EFFECTIVELY GROUNDING. WHERE NON METALLIC RACEWAYS ARE USED GROUNDING TERMINALS SHALL BE PROVIDED TOGETHER WITH GROUNDING CONDUCTORS, THIS HOWEVER SHALL BE SUBJECT TO THE APPROVAL OF DESIGNER.
- COPPER BUS BARS SHALL BE SIZED IN ACCORDANCE WITH THE CODE REQUIREMENT OF 1.55 AMPERE PER ONE(1) SQUARE MILLIMETER OF CROSS SECTION.
- ALL WORKS SHALL BE DONE IN A NEAT AND WORKMAN LIKE MANNER.
- ALL UTILITY AND JUNCTION BOXES SHALL BE GAUGE 16 DEEP TYPE. CONCENTRIC KNOCK OUTS SHALL NOT BE ALLOWED.
- CONDUIT BODIES, JUNCTIONS, PULL AND OUTLETS/BOXES SHALL BE INSTALLED SO THAT THE WIRING CONTAINED IN THEM CAN BE RENDERED ACCESSIBLE WITHOUT REMOVING ANY PART OF THE BUILDING OR IN UNDERGROUND CIRCUITS, WITHOUT EXCAVATING SIDEWALKS, PAVING EARTH OR OTHER SUBSTANCE THAT IS TO BE USED TO ESTABLISH THE FINISHED GRADE.
- METAL BOXES, CONDUIT BODIES AND FITTINGS SHALL BE CORROSION RESISTANT OR SHALL BE WELL GALVANIZED, ENAMELED OR OTHERWISE PROPERLY BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 3.70.2.1.14(a) COATED INSIDE AND OUT TO PREVENT CORROSION.
- SHEET METAL AUXILIARY GUTTERS SHALL BE SUPPORTED THROUGHOUT THEIR ENTIRE LENGTH AT INTERVALS NOT EXCEEDING 1000 MM.
- BONDING JUMPERS SHALL BE USED TO CONNECT SECTIONS OF CABLES TRAYS AND WIRE WAYS TO ENSURE CONTINUITY OF GROUNDING.
- RUNNING THREADS SHALL NOT BE USED ON CONDUITS FOR CONNECTION AT COUPLINGS.
- CONDUIT BENDS SHALL BE MADE IN SUCH A WAY THAT THE INTERNAL DIAMETER WILL NOT BE EFFECTIVELY REDUCED.
- WHERE CONDUITS ENTER A BOX, FITTING OR OTHER ENCLOSURE, BUSHINGS SHALL BE PROVIDED TO PROTECT THE WIRE FROM ABRASION.
- ALL WIRES AND CIRCUIT BREAKERS SHALL BE LOADED NOT MORE THAN EIGHTY PERCENT (80%) OF RATED CAPACITY.
- PROVIDE ALL THE NECESSARY SUPPORTS, FITTINGS,ETC. FOR A COMPLETE INSTALLATION. (SUBMIT SHOP DRAWING TO BE APPROVED BEFORE ANY INSTALLATION.
- NO PIPE OR DUCT SYSTEM FOREIGN TO THE ELECTRICAL INSTALLATION SHALL ENTER OR PASS THRU ANY ELECTRICAL ROOM.
- ALL WORKS SHALL BE DONE UNDER THE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.
- REFER TO TECHNICAL SPECIFICATIONS.

**DRAWING INDEX**

E-01	DRAWING INDEX, GENERAL NOTES, LEGEND AND SYMBOL, VICINITY PLAN, ABBREVIATION
E-02	SINGLE LINE DIAGRAM
E-03	ELECTRICAL SITE DEVELOPMENT
E-04	BASEMENT LIGHTING LAYOUT GROUND FLOOR LIGHTING LAYOUT
E-05	SECOND FLOOR LIGHTING LAYOUT THIRD FLOOR LIGHTING LAYOUT
E-06	ROOF DECK LIGHTING LAYOUT TYPICAL LIGHTING INSTALLATION DETAIL
E-07	BASEMENT POWER LAYOUT GROUND FLOOR POWER LAYOUT
E-08	SECOND FLOOR POWER LAYOUT THIRD FLOOR POWER LAYOUT
E-09	ROOF DECK POWER LAYOUT BASEMENT MECHANICAL EQUIPMENT AND SIGNAGES POWER LAYOUT
E-10	GROUND FLOOR MECHANICAL EQUIPMENT AND SIGNAGES POWER LAYOUT SECOND FLOOR MECHANICAL EQUIPMENT AND SIGNAGES POWER LAYOUT
E-11	THIRD FLOOR MECHANICAL EQUIPMENT AND SIGNAGES POWER LAYOUT ROOF DECK MECHANICAL EQUIPMENT POWER LAYOUT
E-12	BASEMENT FLOOR GROUNDING SYSTEM LAYOUT ROOF DECK LIGHTNING PROTECTION SYSTEM LAYOUT
E-13	LOAD SCHEDULE
E-14	LOAD SCHEDULE ELECTRICAL LOAD CALCULATIONS
E-15	SHORT CIRCUIT CALCULATIONS VOLTAGE DROP CALCULATIONS
E-16	MISCELLANEOUS DETAILS
E-17	MISCELLANEOUS DETAILS

**POWER LEGEND**

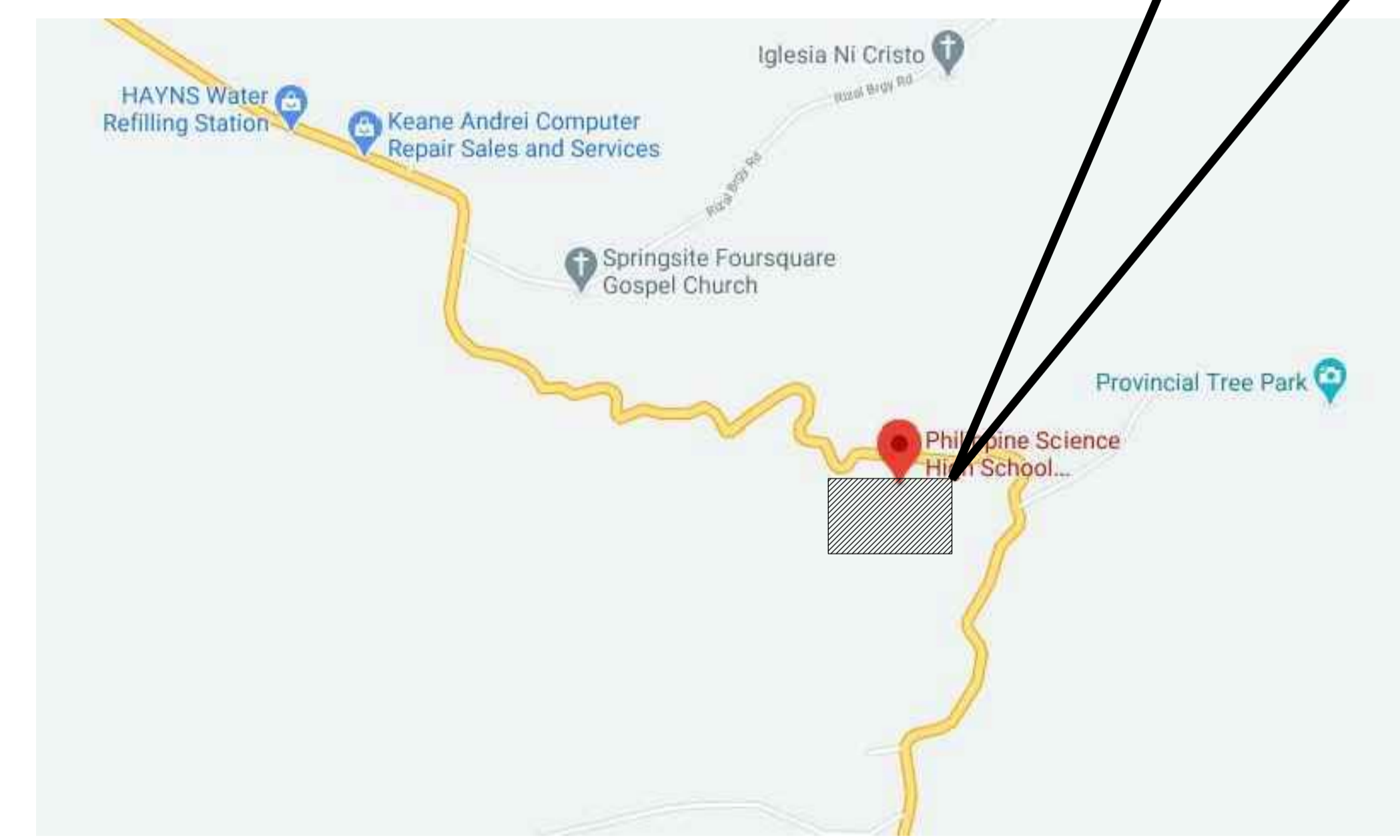
	DUPLEX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT
	GROUND-FAULT CIRCUIT INTERRUPTER, DUPLEX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT
	WEATHERPROOF, DUPLEX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT
	TAMPER-RESISTANT, DUPLEX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT
	HAND DRYER OUTLET, SIMPLEX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT
	REF OUTLET, SIMPLEX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT
	WATERPROOF FLOOR OUTLET, DUPLEX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT
	SQUARE BOX / JUNCTION BOX
	PULLBOX
	PANELBOARD
	MOLDED CASE CIRCUIT BREAKER
	ENCLOSED CIRCUIT BREAKER
	MOTOR CONTROLLER
	KILOWATT-HOUR METER
	ELECTRIC MOTOR
	CIRCUIT HOMERUN
	CONDUIT EMBEDDED IN CONCRETE
	CONDUIT IN EXPOSED INSTALLATION OR ABOVE CEILING
	CONDUIT IN UNDERGROUND INSTALLATION
	AIR CIRCUIT BREAKER, DRAW-OUT TYPE
	VACUUM CIRCUIT BREAKER, ABOVE 600V
	TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS)
	TRANSFORMER, DELTA-WYE CONNECTION
	GENERATOR SET

ABBREVIATION			
AMPS	AMPERES	LBS	LOAD BREAK SWITCH
AT	AMPERE TRIP	LC	LIGHTING CONTACTOR
AF	AMPERE FRAME	MC	METER CENTER
CB	CIRCUIT BREAKER	MDB	MAIN DISTRIBUTION BOARD
CT	COUNTER TOP	MSG	MAIN SWITCH GEAR
DIA.	DIAMETER	MVA	MEGAVOLT-AMPERE
DS	DISCONNECT SWITCH	NC	NORMALLY CLOSED
FH	FUME HOOD	NO	NORMALLY OPEN
FT	FLY TRAP	PB	PULLBOX
GSG	GENERATOR SWITCH GEAR	PCB	POWER CIRCUIT BREAKER
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER	PF	POWER FUSE
kAIC	KILOAMPERE INTERRUPTING CAPACITY	RH	RANGE HOOD
kV	KILOVOLT	S.E.	SERVICE ENTRANCE
kVA	KILOVOLT-AMPERE	TR	TRANSFORMER
kW	KILOWATT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
kWH	KILOWATT-HOUR	WP	WEATHERPROOF
LA	LIGHTNING ARRESTER	PQM	POWER QUALITY METER
GSB	GENSET SWITCH BOARD	LSIG	LONG-TIME, SHORT-TIME, INSTANTANEOUS AND GROUND-FAULT RELAY
LVSG	LOW VOLTAGE SWITCHGEAR		
CT's	CURRENT TRANSFORMER	ACB	AIR CIRCUIT BREAKER
PT's	POTENTIAL TRANSFORMER	NFDS	NON-FUSIBLE DISCONNECT SWITCH
M/E	MECHANICAL/ELECTRICAL INTERLOCK	MCCB	MOLDED-CASE CIRCUIT BREAKER

**1 LEGENDS AND SYMBOLS**  
E-01 SCALE: NTS

**2 ABBREVIATION**  
E-01 SCALE: NTS

**SITE**

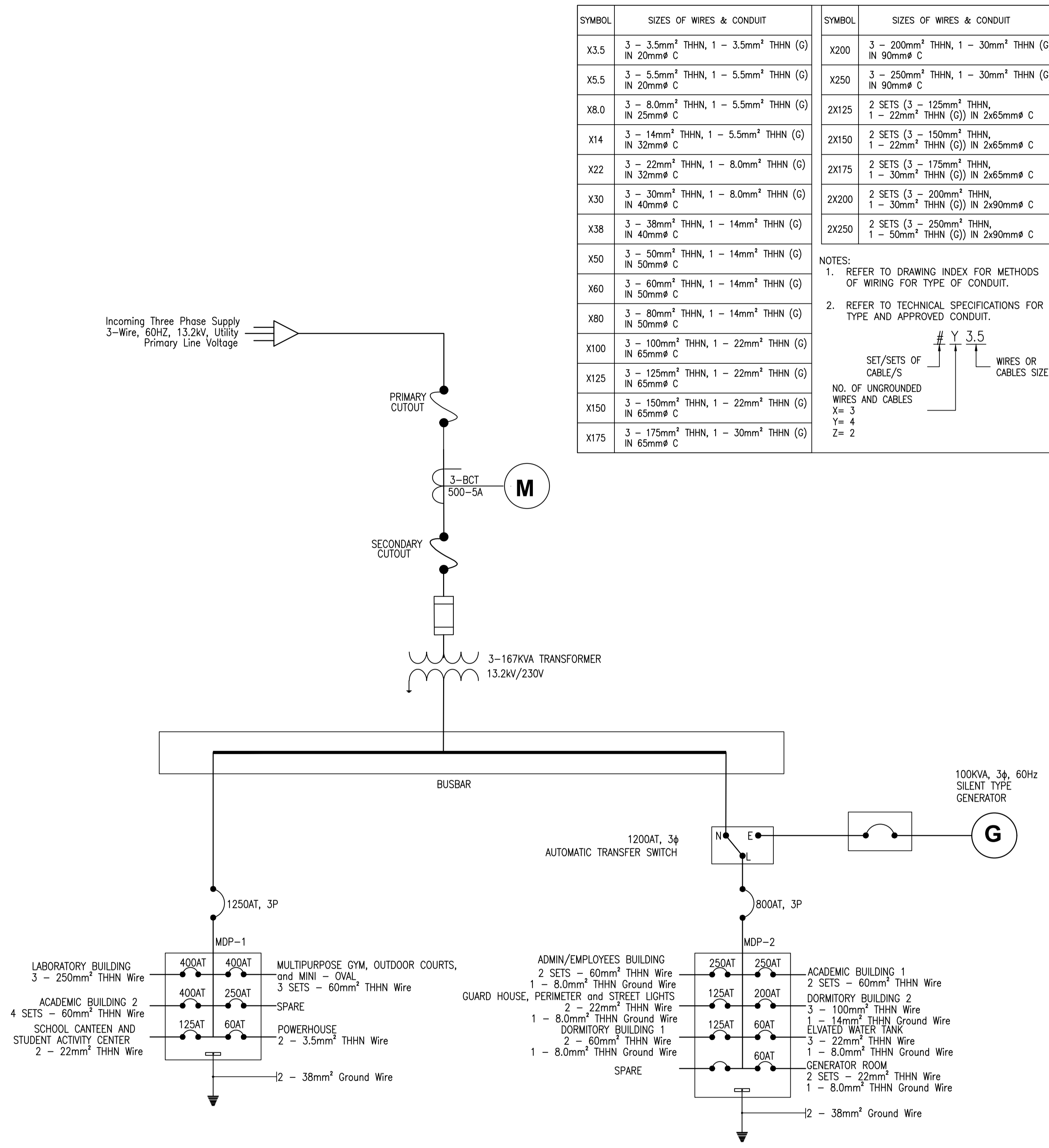


**3 VICINITY PLAN**  
E-01 SCALE: NTS

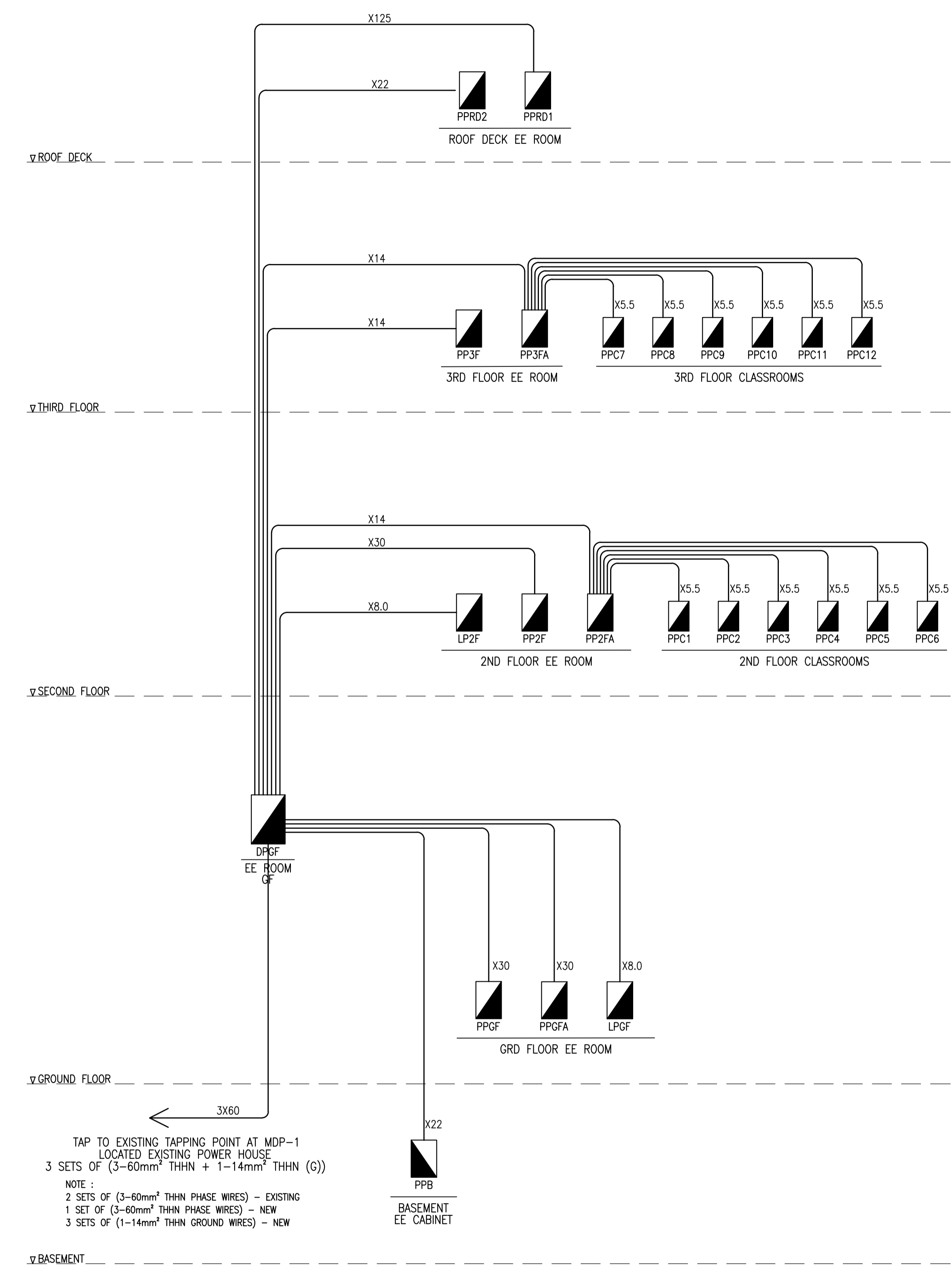
<p><b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p>	DESIGNER:  <b>MANUEL V. PANIS</b> PROFESSIONAL ELECTRICAL ENGINEER PRC No. 1210 Validity: 10/13/2023 PTR No. 7731829 Date: 01/04/2021 Place: ANTIPOLO CITY TIN: 132-466-222	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT:  <b>PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM</b>  LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL:  <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY:  <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS:  DRAWING INDEX, GENERAL NOTES, LEGEND AND SYMBOL, ABBREVIATION, VICINITY PLAN	SHEET NO:  <b>E</b> 1 17
---	---	--	--	---	--	---	---	-----------------------------------



Incoming Three Phase Supply  
3-Wire, 60HZ, 13.2kV, Utility  
Primary Line Voltage



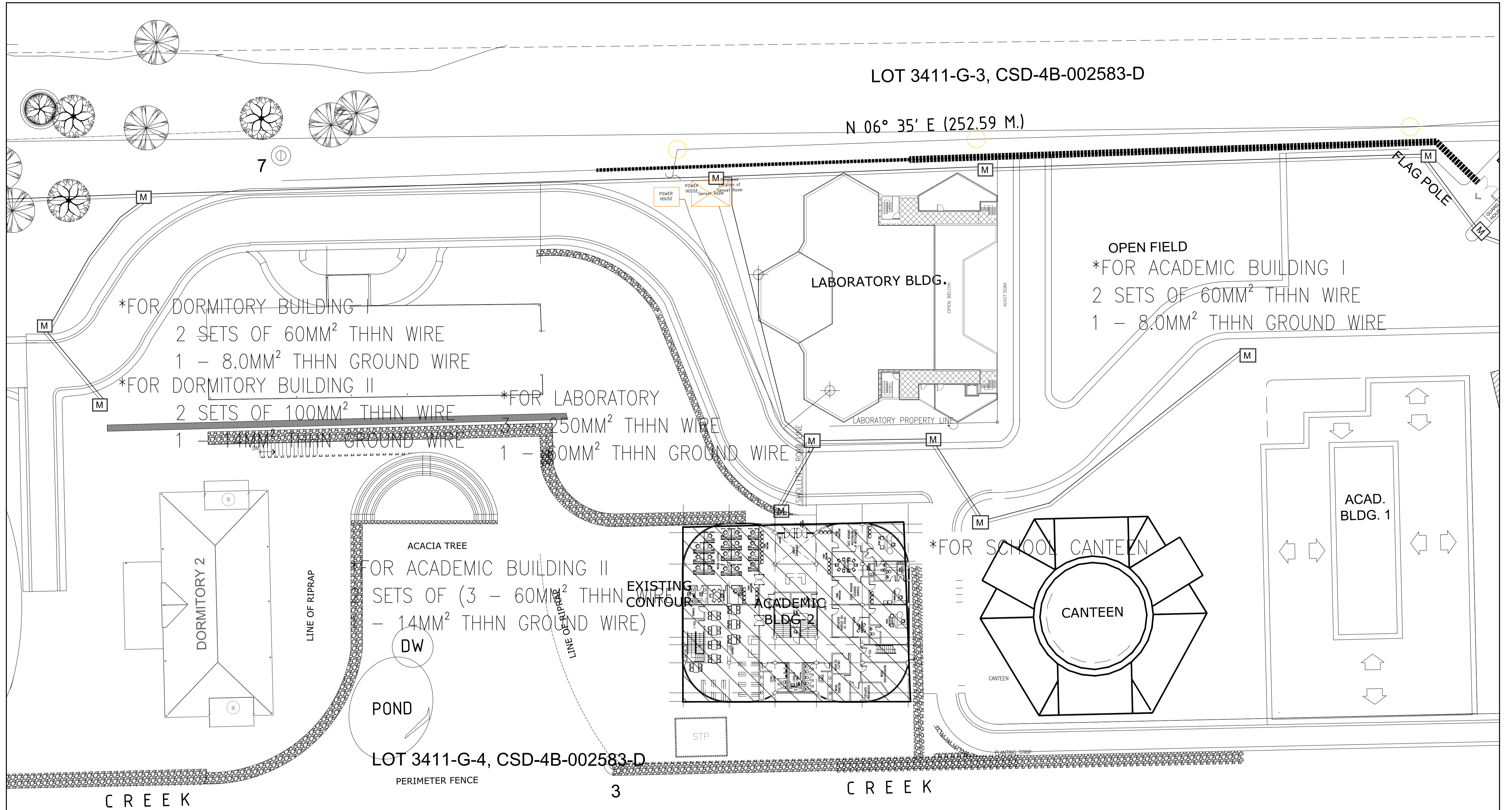
EXISTING DEVELOPMENT  
**1** ELECTRICAL SINGLE LINE DIAGRAM  
E-02 SCALE: NTS





LOT 3411-G-3, CSD-4B-002583-D

N 06° 35' E (252.59 M.)

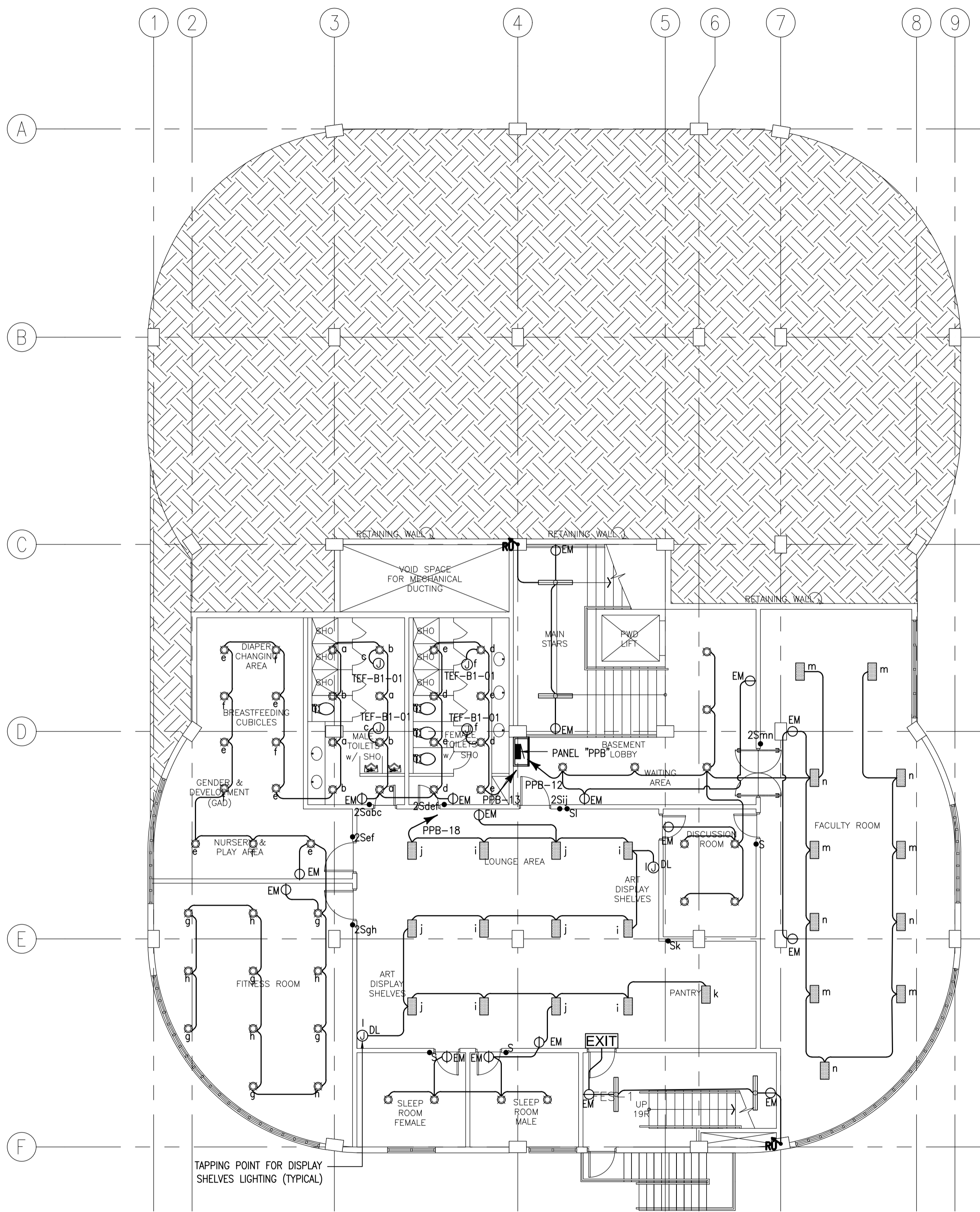


LOT 3411-G-4, CSD-4B-002583-D

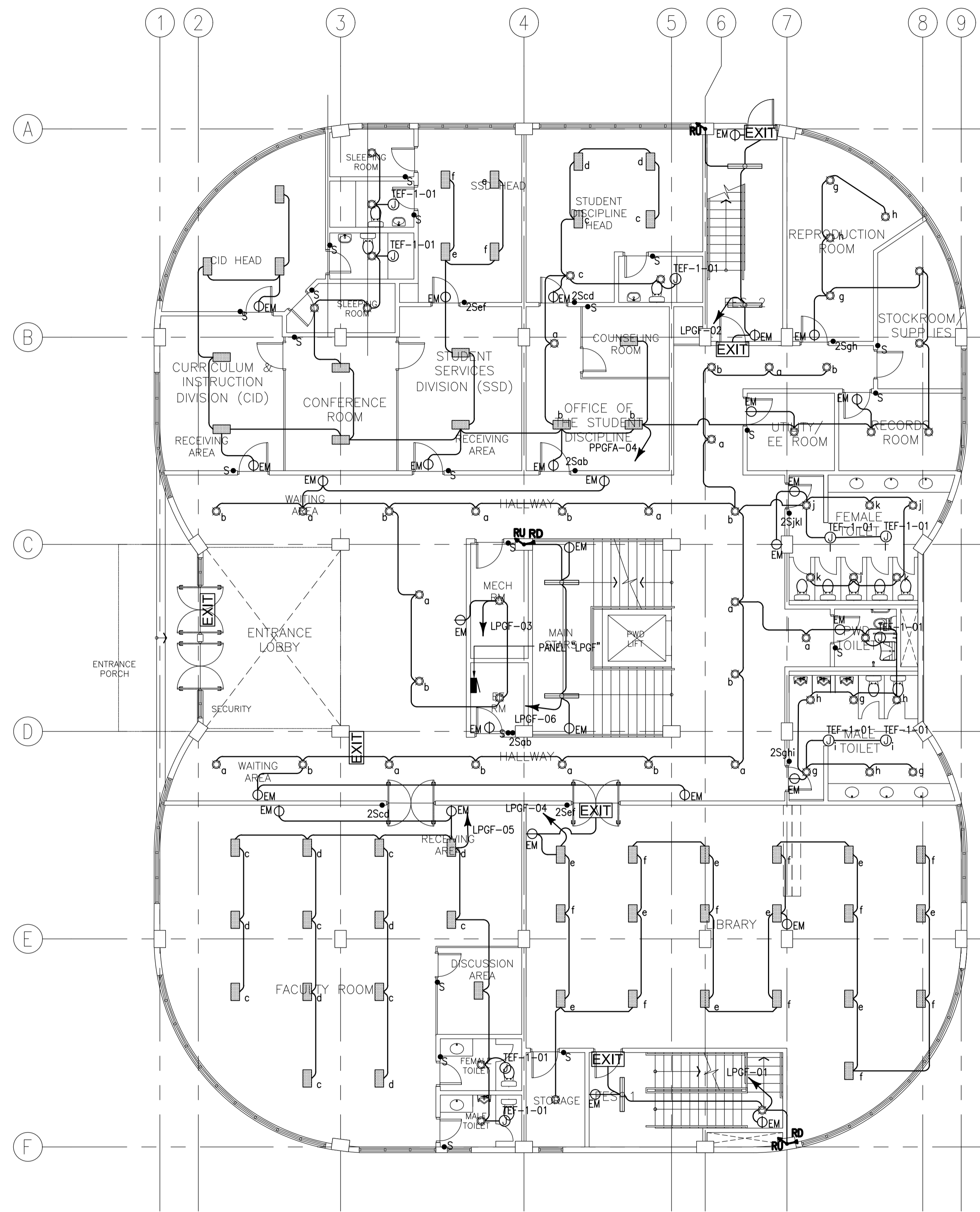
1 ACAD. BUILDING II  
ELECTRICAL SITE DEVELOPMENT LAYOUT  
SCALE 1:300MTRS

<p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS</p> <p><i>IN JOINT VENTURE WITH</i></p> <p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p>	<p>DESIGNER:</p> <p><b>MANUEL V. PANIS</b> PROFESSIONAL ELECTRICAL ENGINEER</p>	<p>REPUBLIC ACT 9266</p> <p><small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small></p>	<p>PROJECT:</p> <p><b>PROPOSED ACAD. BUILDING II / MULTI-PURPOSE GYMNASIUM</b></p>	<p>DESIGNED FOR:</p> <p>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p>	<p>RECOMMENDING APPROVAL:</p> <p><b>MERIAM F. FALLAR</b> FAD CHIEF</p>	<p>APPROVED BY:</p> <p><b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR</p>	<p>SHEET CONTENTS:</p> <p>ELECTRICAL SITE DEVELOPMENT LAYOUT</p>	<p>SHEET NO:</p> <p><b>E</b> 3 17</p>
	<p>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LORONCA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214</p>	<p>PRC No. 1210 Validity: 10/13/2023</p> <p>PTR No. 7731829 Date: 01/04/2021</p> <p>Place: ANTIPOLO CITY TIN: 132-466-222</p>	<p>LOCATION: Brgy. Rizal, Odiongan, Romblon</p>					





1 ACADEMIC BUILDING II  
**BASEMENT FLOOR LIGHTING LAYOUT**  
 SCALE: 1:100MTRS  
 E-04



2 ACADEMIC BUILDING II  
**GROUND FLOOR LIGHTING LAYOUT**  
 SCALE: 1:100MTRS  
 E-04


**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVENUE, LONVOLE HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 9024  
 FAX NOS: 927 0698;  
 426 7214

DESIGNER:  
**MANUEL V. PANIS**  
 PROFESSIONAL ELECTRICAL ENGINEER  
 PRC No. 1210 Validity: 10/13/2023  
 PTR No. 7731829 Date: 01/04/2021  
 Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II /  
 MULTI-PURPOSE GYMNASIUM**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

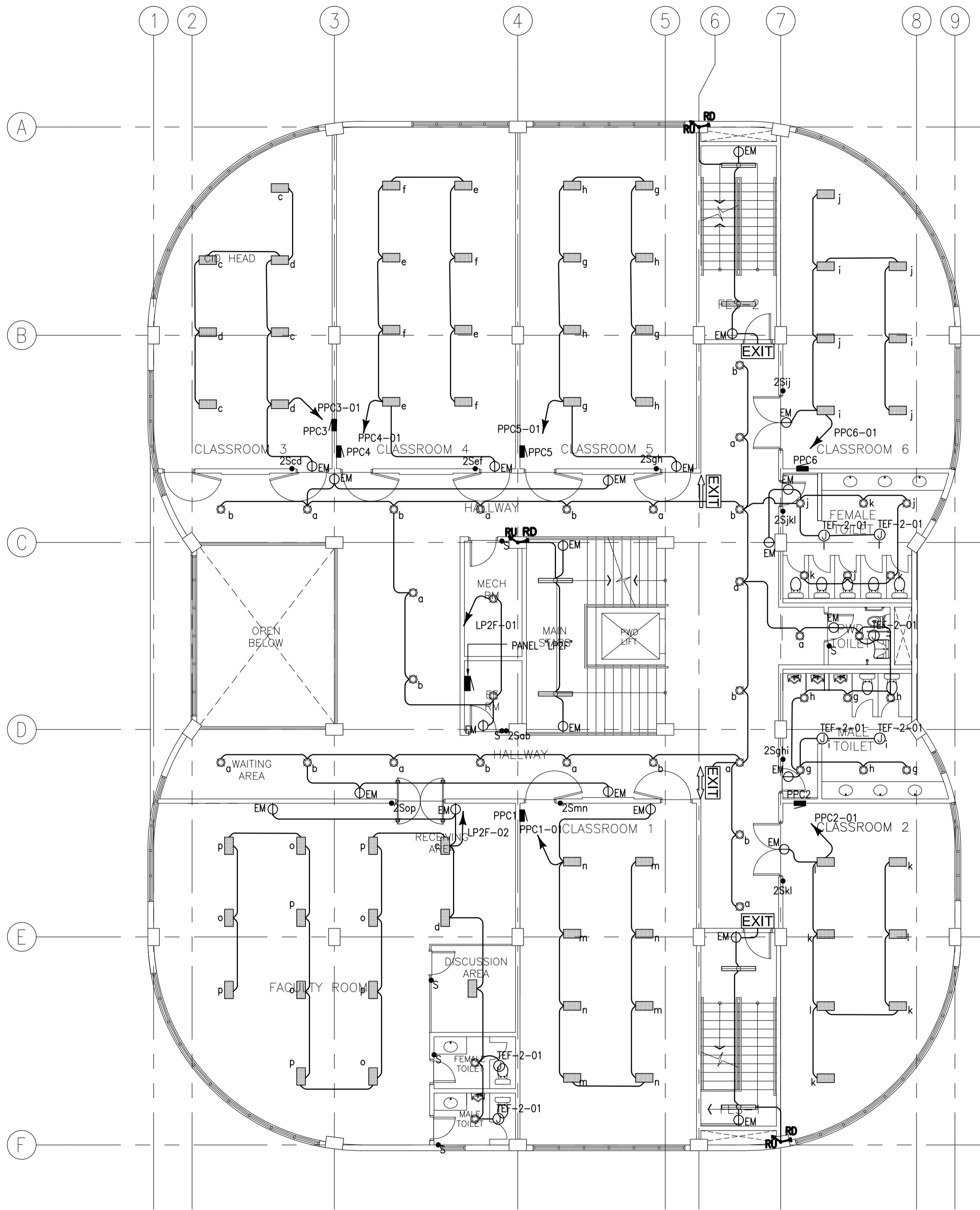
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

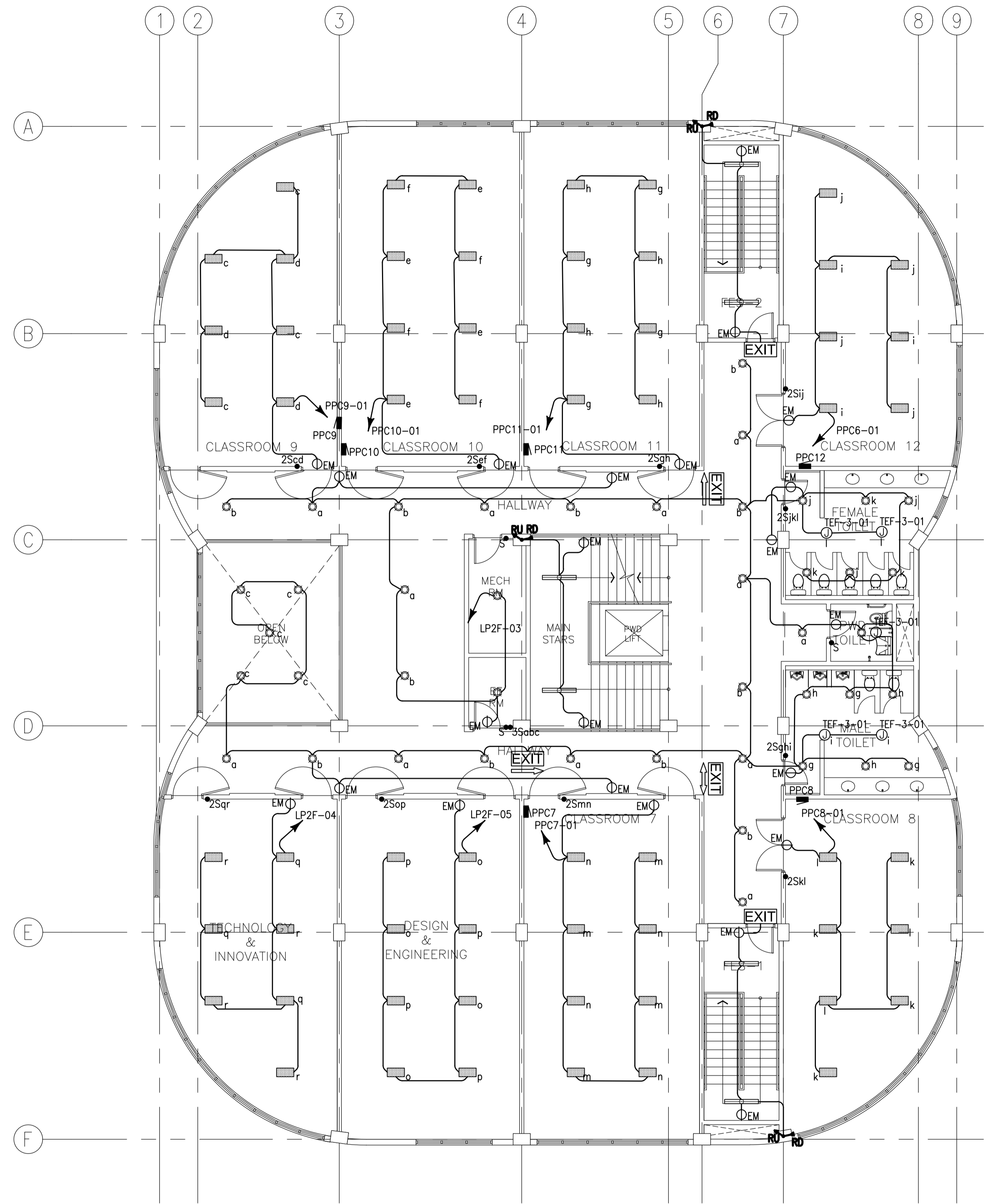
SHEET CONTENTS:  
 BASEMENT LIGHTING LAYOUT  
 GROUND FLOOR LIGHTING LAYOUT

SHEET NO:  
**E**  
 4 17





1  
ACADEMIC BUILDING II  
SECOND FLOOR LIGHTING LAYOUT  
SCALE 1:100MTRS  
E-05



2  
ACADEMIC BUILDING II  
THIRD FLOOR LIGHTING LAYOUT  
SCALE 1:100MTRS  
E-05

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LAYOGS HEIGHTS,  
QUEZON CITY, 1108  
TEL NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

DESIGNER:  
**MANUEL V. PANIS**  
PROFESSIONAL ELECTRICAL ENGINEER  
PRC No. 1210 Validity: 10/13/2023  
PTR No. 7731829 Date: 01/04/2021  
Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPUTATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
ACADEMIC BUILDING II /  
MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:



RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:

SECOND LIGHTING LAYOUT  
THIRD FLOOR LIGHTING LAYOUT

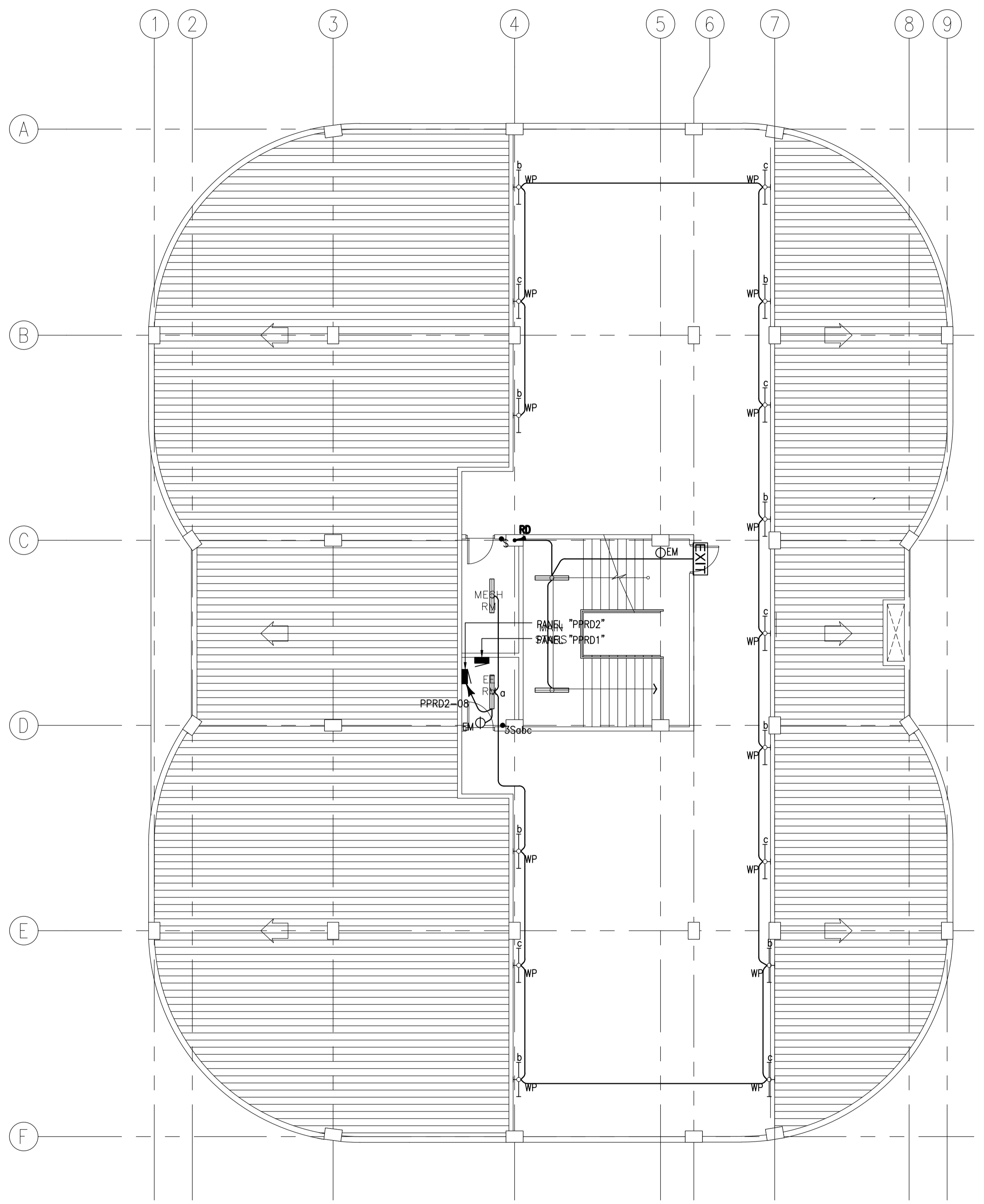
SHEET NO:

**E**  
**5 17**

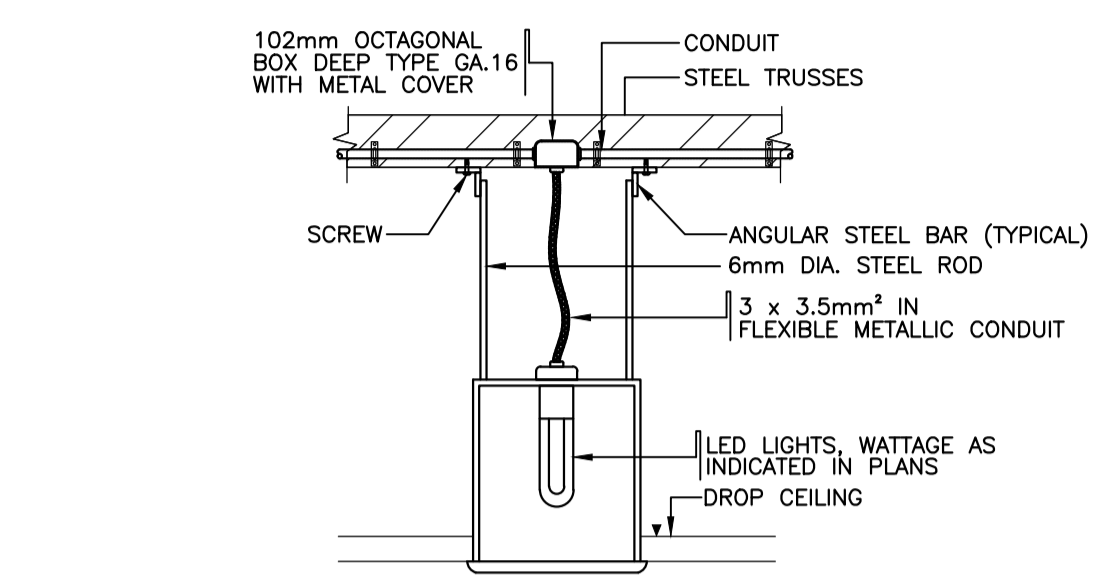


LIGHTING LEGEND			
	9 WATTS, 2 PCS., FLUORESCENT LUMINAIRE LED LIGHT		EXIT LIGHT COMPLETE WITH 2 HRS. BATTERY PACK
	12 WATTS, LED ROUND DOWNLIGHT		1 GANG SINGLE POLE SINGLE THROW SWITCH, 15A, 230V, 60Hz
	12 WATTS, LED SQUARE DOWNLIGHT		2 GANG SINGLE POLE SINGLE THROW SWITCH, 15A, 230V, 60Hz
	9 WATTS, 2 PCS., FLUORESCENT DUSTPROOF LUMINAIRE LED LIGHT		SINGLE RECEPTACLE, 15A, 240V, FOR EMERGENCY LIGHTS.
	32 WATTS, 2 PCS., FLUORESCENT DUSTPROOF LUMINAIRE LED LIGHT		RISER-UP / RISER DOWN

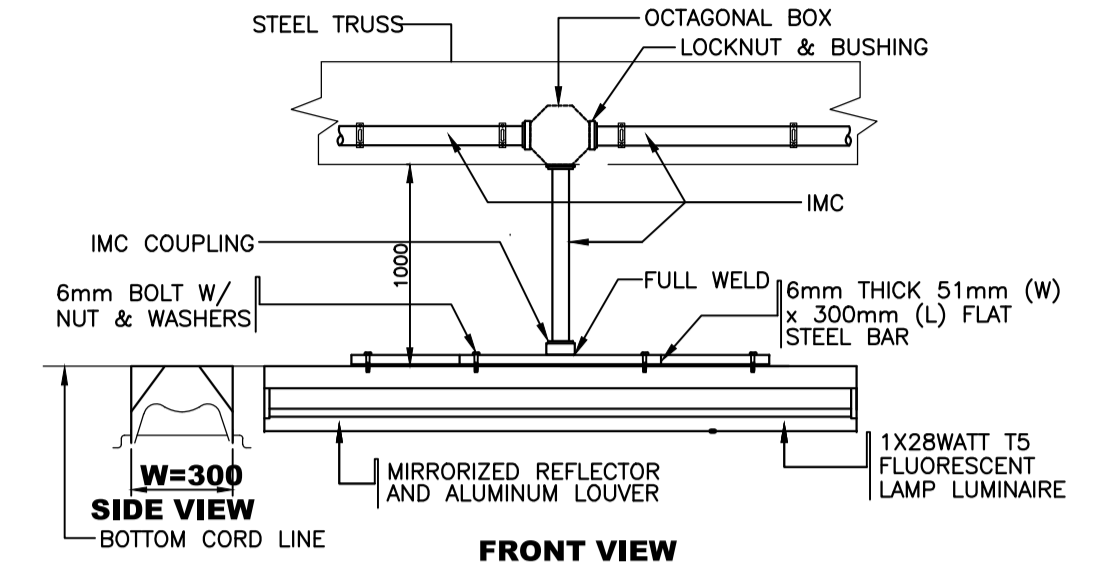
- NOTES:
- LIGHTED EXIT SIGNAGES TO BE TAP TO THE NEAREST LIGHTING CIRCUIT AHEAD OF SWITCH.
  - CONVENIENCE OUTLET FOR PORTABLE EMERGENCY LIGHTS TO BE TAP TO THE NEAREST LIGHTING CIRCUIT AHEAD OF SWITCH.
  - SEE SHEET E-? FOR PORTABLE EMERGENCY LIGHTS MOUNTING DETAILS.
  - SEE SHEET E-? FOR EXIT SIGNAGES MOUNTING DETAILS.
  - MOUNTING OF SWITCHES SHALL BE SUBJECT FOR ARCHITECT'S APPROVAL.
  - ELECTRICAL CONTRACTOR TO COORDINATE WITH OTHER ENGINEERING TRADE PRIOR TO INSTALLATION.



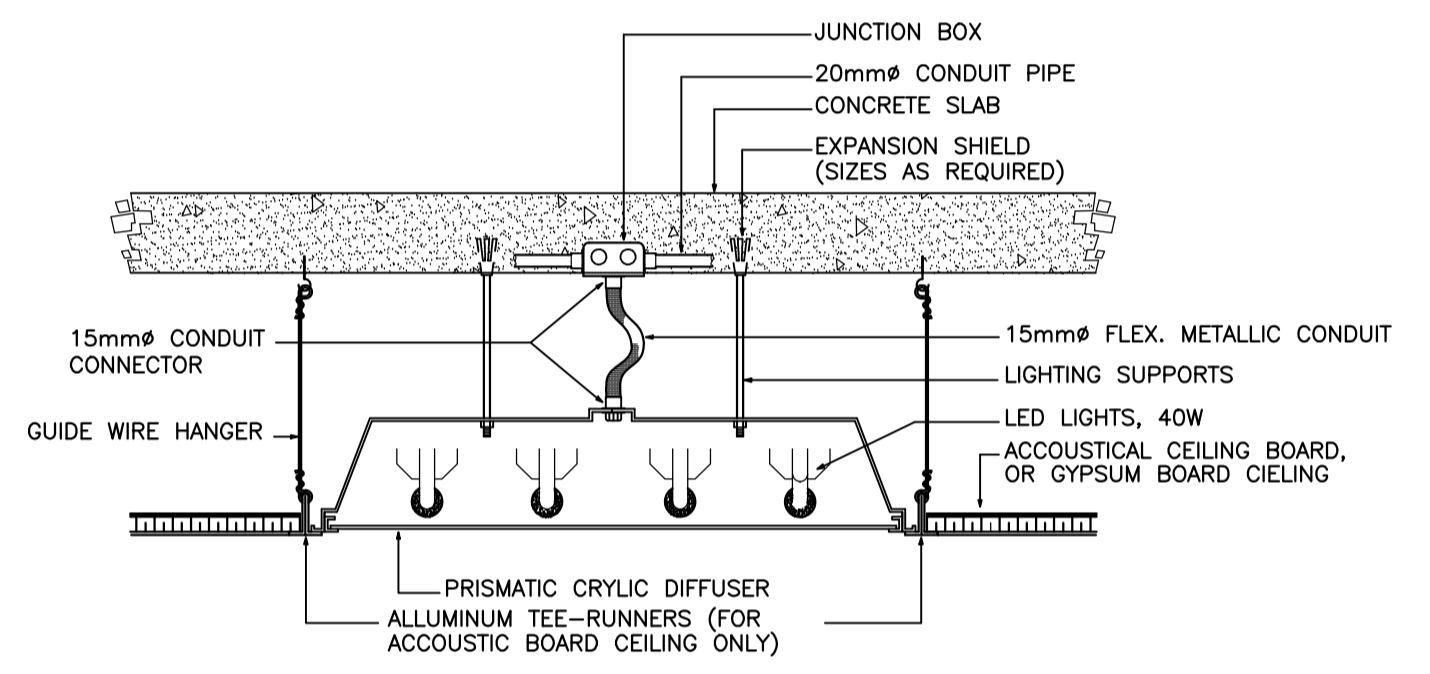
**1**  
ACADEMIC BUILDING II  
ROOF DECK LIGHTING LAYOUT  
SCALE: 1:100MTRS



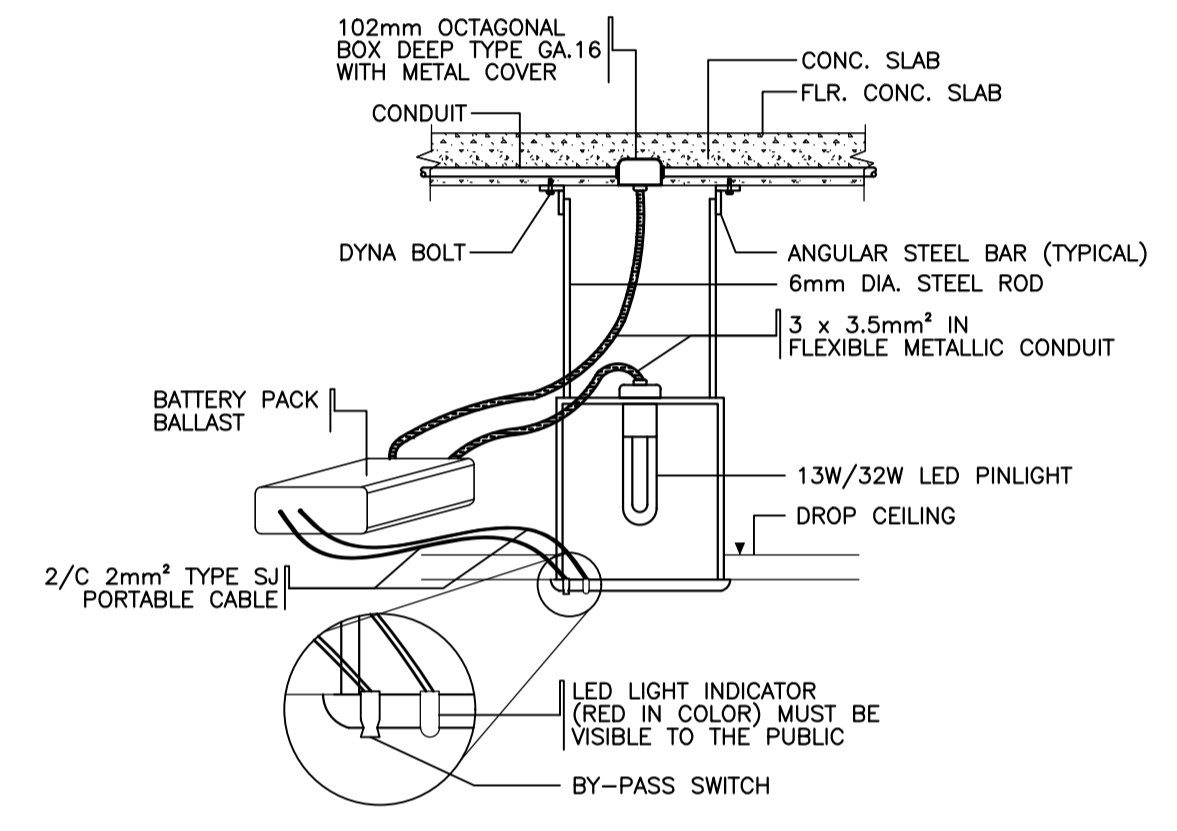
**2A**  
RECESSED LED DOWNLIGHT LIGHTING LUMINAIRE MOUNTING DETAIL (TYPICAL)  
SCALE: NTS



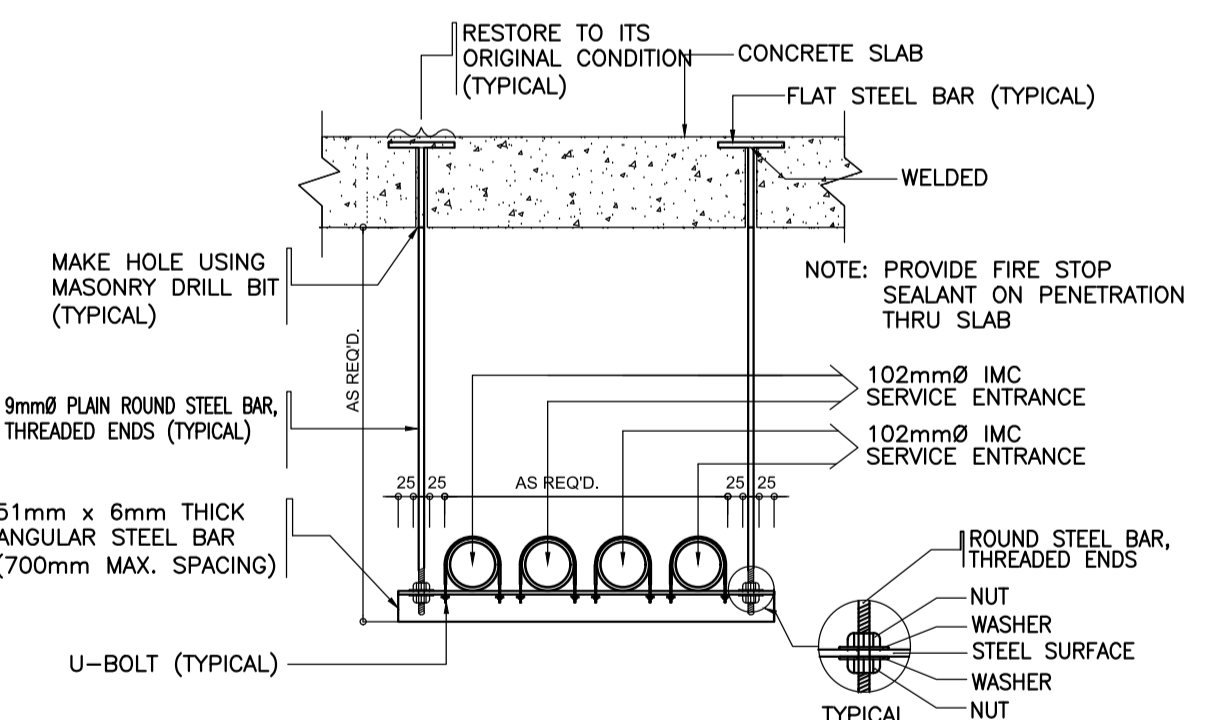
**2B**  
SURFACE MTD. ON SLAB LED T8 LIGHTING LUMINAIRE MOUNTING DETAIL (TYPICAL)  
SCALE: NTS



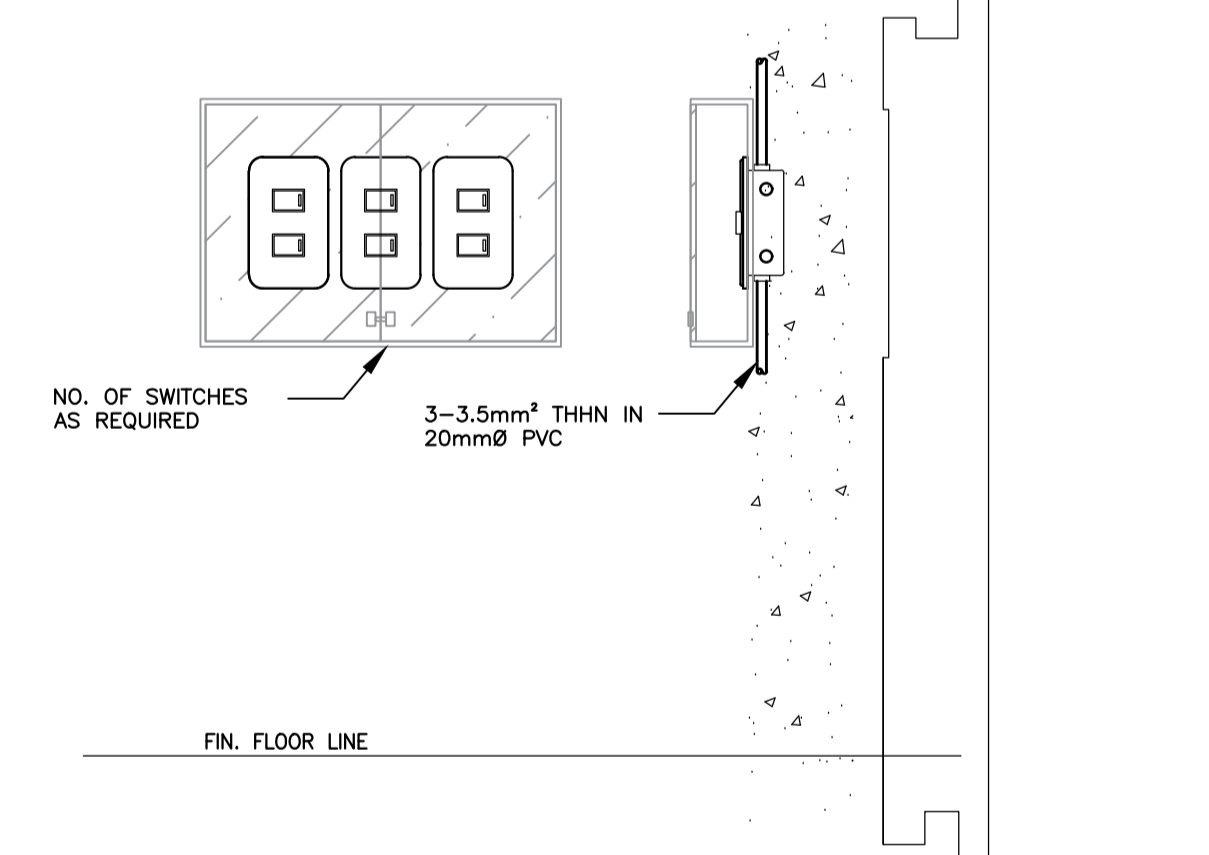
**2C**  
RECESSED MTD. TROFFER TYPE LED PANEL LIGHTING WITH PRISMATIC DIFFUSER LUMINAIRE DETAIL (TYPICAL)  
SCALE: NTS



**2D**  
PINLIGHT LED LUMINAIRE WITH BATTERY PACKED BALLAST MTG. DETAIL (TYPICAL)  
SCALE: NTS  
NOTE: CONTRACTOR/MANAGEMENT SHALL REQUIRED LIGHTING SUPPLIER TO SUBMIT SAMPLE OF LUMINAIRE WITH BATTERY AS SHOWN ON THE DRAWING



**2E**  
CONDUIT ROUTE DETAIL  
SCALE: NTS  
NOTE: PROVIDE THIS ASSEMBLY 300mm FROM DEAD END AND CORNER, AND THEN 700mm MAX. SPACING ON STRAIGHT RUN. MIN. RADIUS OF WIREWAY BEND SHALL BE EQUAL TO ITS RESPECTIVE WIDTH.



**2F**  
LIGHTING SWITCH BANK INSTALLATION DETAIL  
SCALE: NTS

**2**  
ACADEMIC BUILDING II  
TYPICAL LIGHTING INSTALLATION DETAIL  
SCALE: NTS

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LOVELA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

DESIGNER:  
**MANUEL V. PANIS**  
PROFESSIONAL ELECTRICAL ENGINEER

PRC No. 1210 Validity: 10/13/2023  
PTR No. 7731829 Date: 01/04/2021  
Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II /  
MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

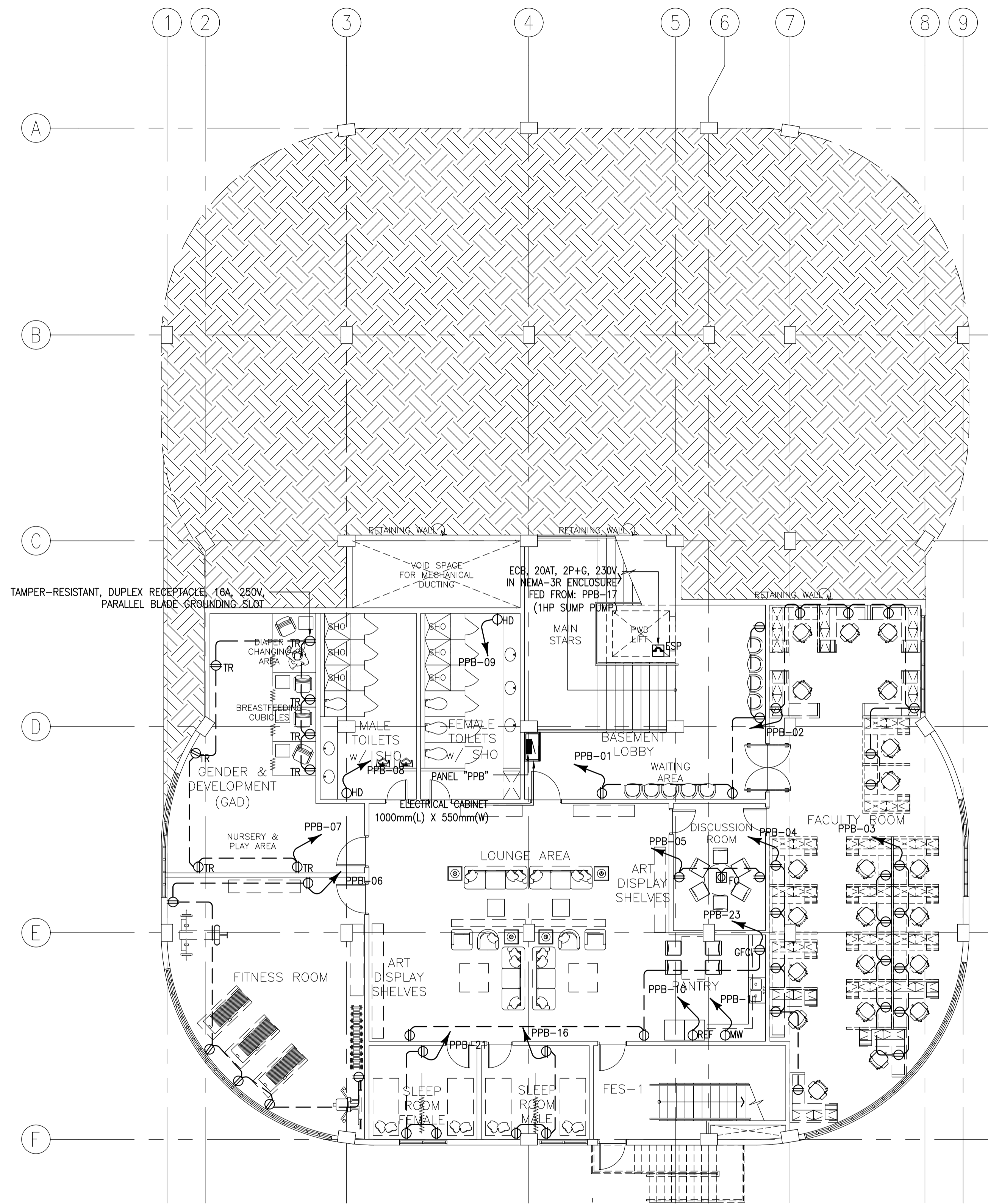
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

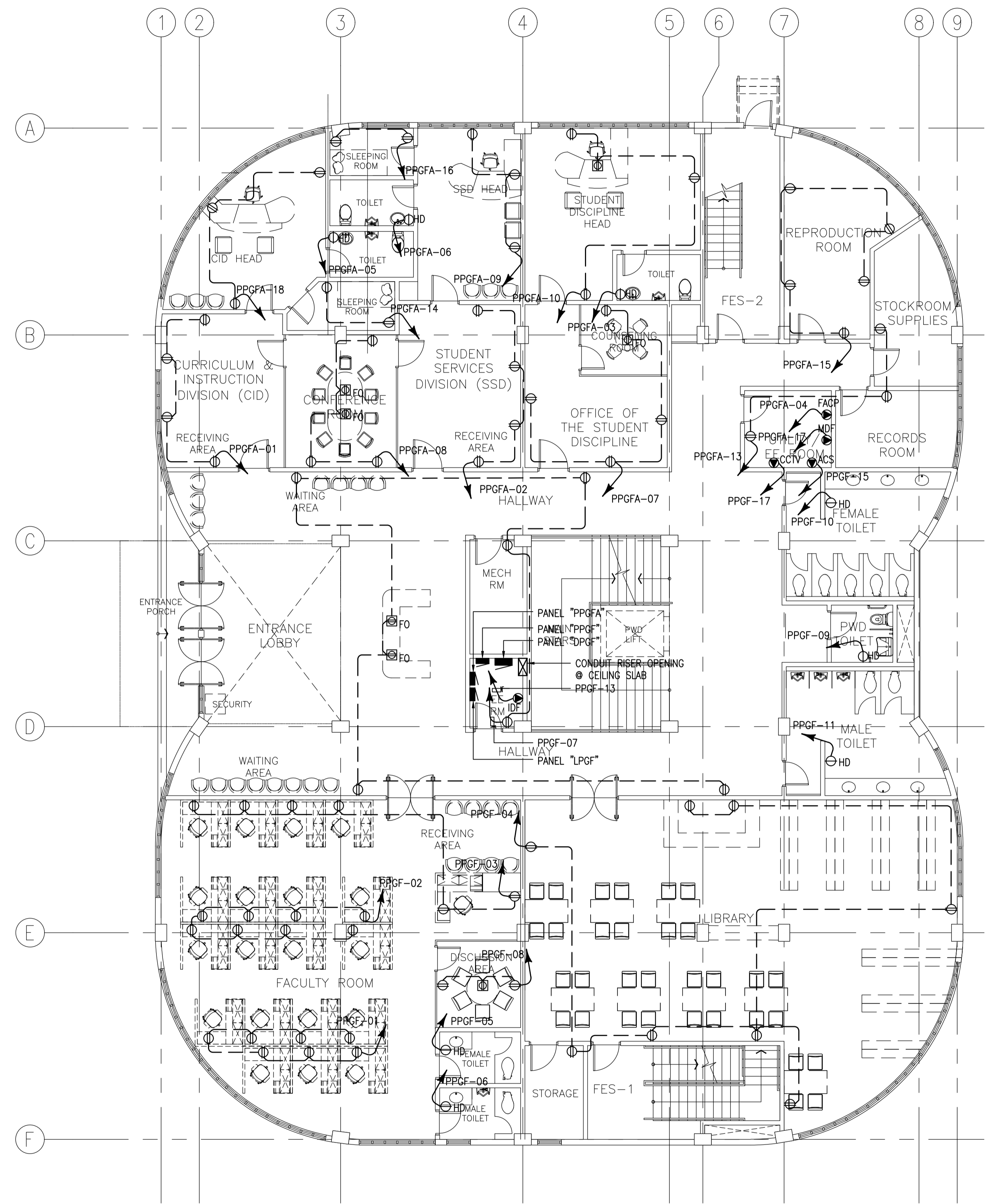
SHEET CONTENTS:  
ROOF DECK LIGHTING LAYOUT  
TYPICAL LIGHTING INSTALLATION DETAILS

SHEET NO:  
**E  
6 17**





1 ACADEMIC BUILDING II  
 BASEMENT POWER LAYOUT  
 SCALE: E-07 1:100MTRS



2 ACADEMIC BUILDING II  
 GROUND FLOOR POWER LAYOUT  
 SCALE: E-07 1:100MTRS

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM NO. 38 XAVIERVILLE  
 AVE. LAYUNGA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 9024  
 FAX NOS: 927 0608;  
 426 7214

DESIGNER:  
**MANUEL V. PANIS**  
 PROFESSIONAL ELECTRICAL ENGINEER  
 PRC No. 1210 Validity: 10/13/2023  
 PTR No. 7731829 Date: 01/04/2021  
 Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

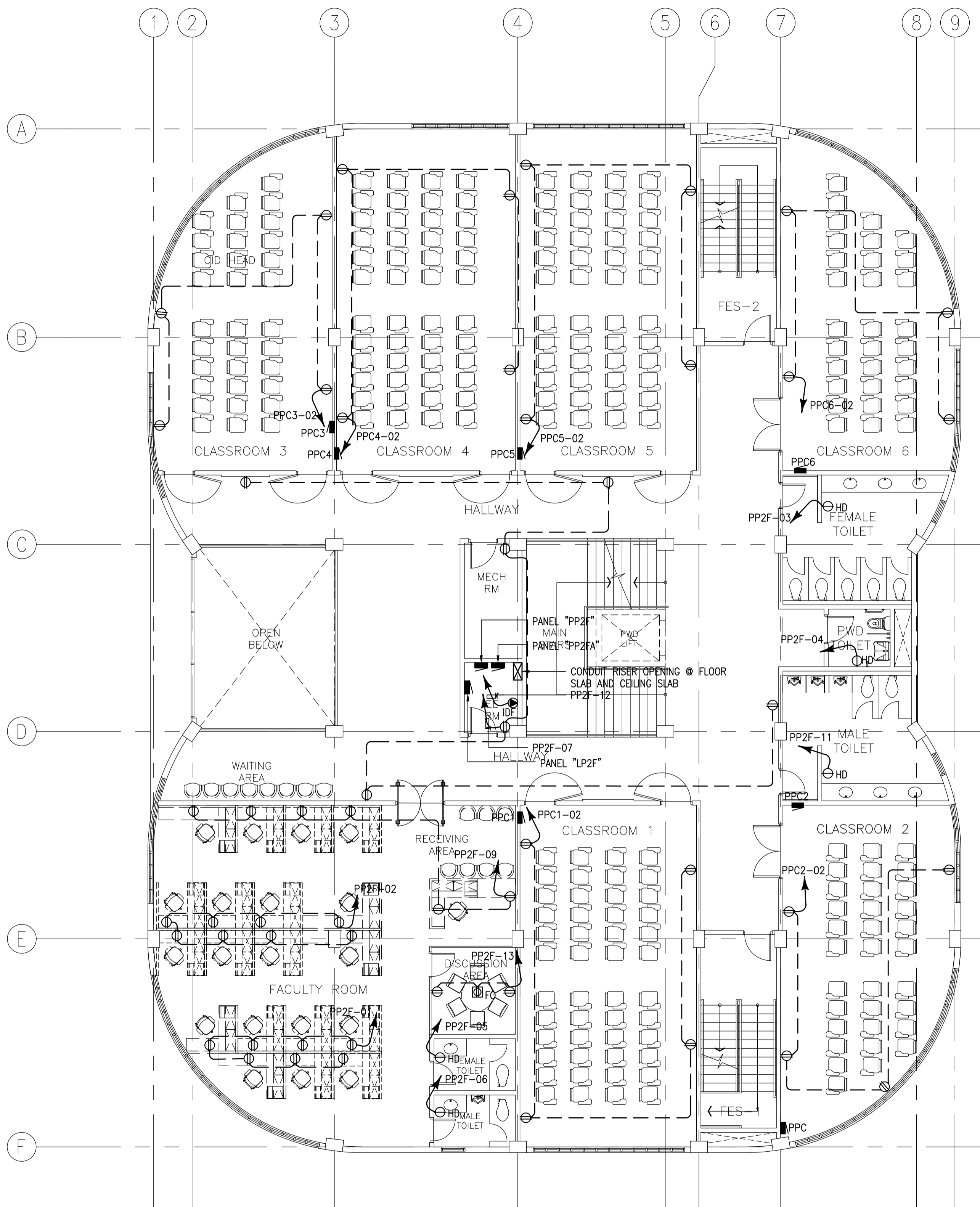
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

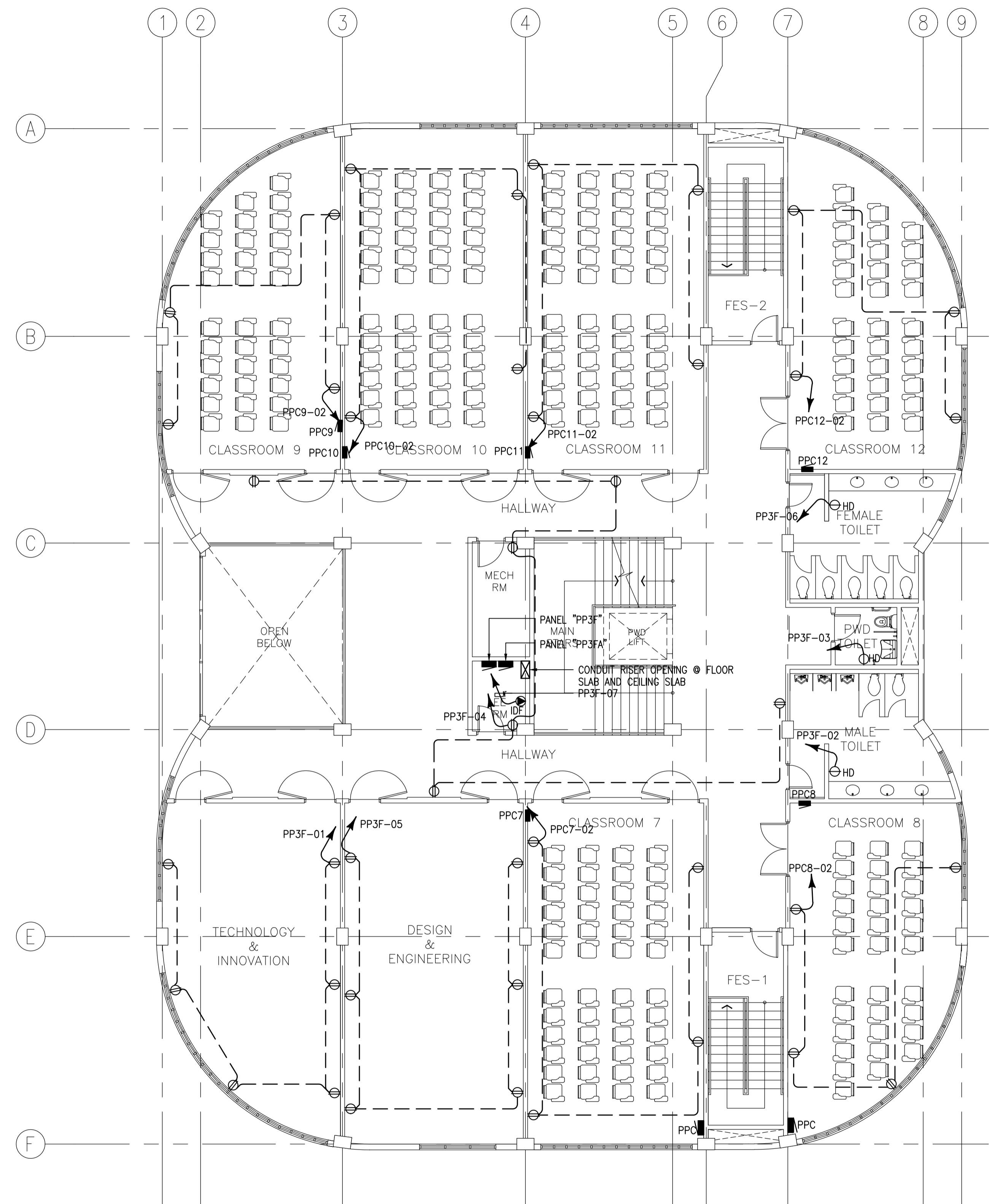
SHEET CONTENTS:  
 BASEMENT POWER LAYOUT  
 GROUND FLOOR POWER LAYOUT

SHEET NO:  
**E**  
 7 17





1 ACADEMIC BUILDING II  
 SECOND FLOOR POWER LAYOUT  
 SCALE: 1:100MTRS  
 E-08



2 ACADEMIC BUILDING II  
 THIRD FLOOR POWER LAYOUT  
 SCALE: 1:100MTRS  
 E-08

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE. LAYOGI HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

DESIGNER:  
**MANUEL V. PANIS**  
 PROFESSIONAL ELECTRICAL ENGINEER  
 PRC No. 1210 Validity: 10/13/2023  
 PTR No. 7731829 Date: 01/04/2021  
 Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

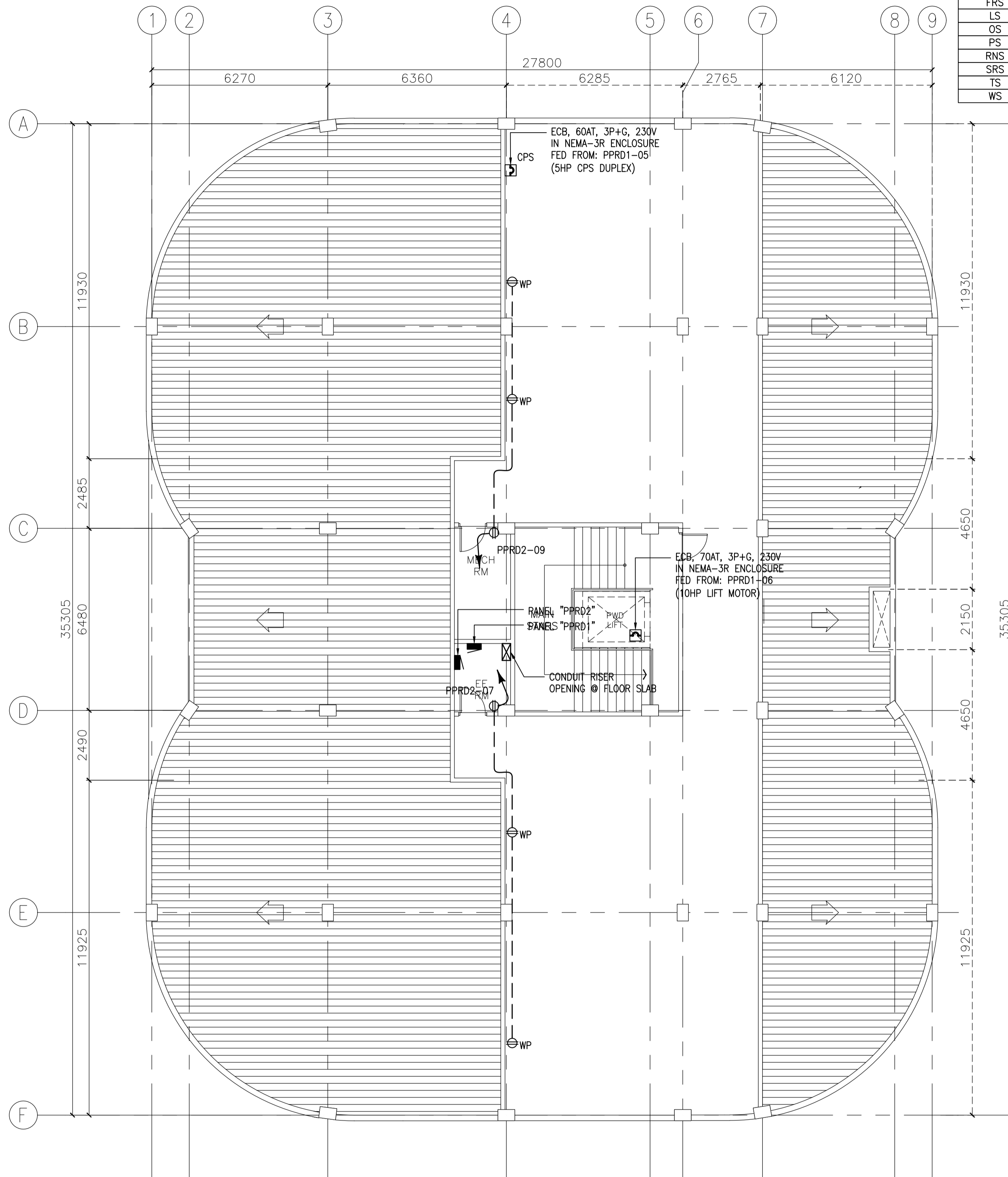
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 SECOND FLOOR POWER LAYOUT  
 THIRD FLOOR POWER LAYOUT

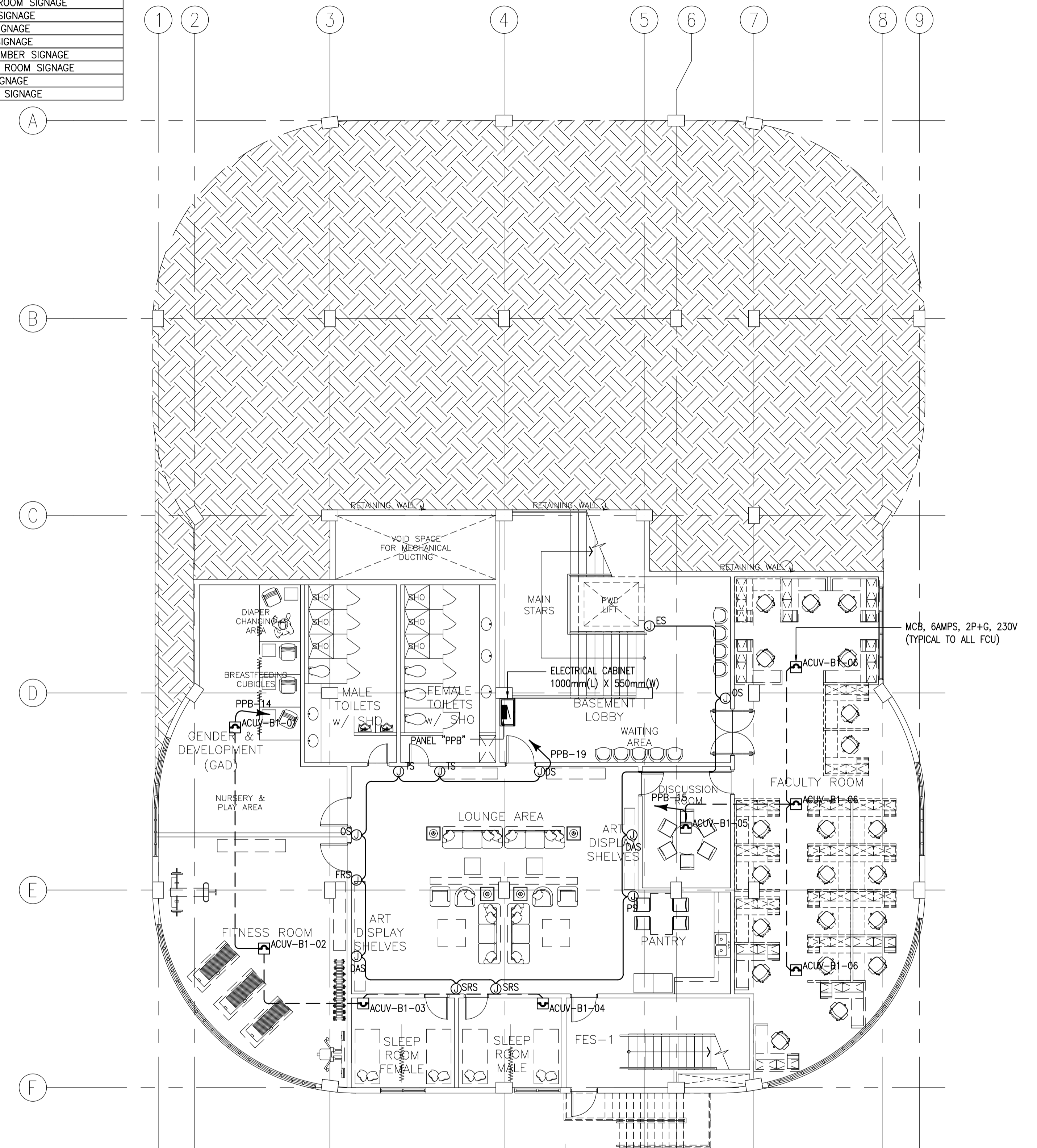
SHEET NO:  
**E**  
**8 17**



LOCATIONAL/DIRECTIONAL SIGNAGES ABBREVIATION	
CRS	CONFERENCE ROOM SIGNAGE
DAS	DISPLAY AREA SIGNAGE
DS	DIRECTIONAL SIGNAGE
ES	ELEVATOR/LIFT SIGNAGE
FRS	FITNESS ROOM SIGNAGE
LS	LIBRARY SIGNAGE
OS	OFFICE SIGNAGE
PS	PANTRY SIGNAGE
RNS	ROOM NUMBER SIGNAGE
SRS	SLEEPING ROOM SIGNAGE
TS	TOILET SIGNAGE
WS	WELCOME SIGNAGE



**1** ACADEMIC BUILDING II  
**ROOF DECK POWER LAYOUT**  
 SCALE: 1:100MTRS  
 E-09



**2** ACADEMIC BUILDING II  
**BASEMENT MECHANICAL EQUIPMENT & SIGNAGES POWER LAYOUT**  
 SCALE: 1:100MTRS  
 E-09

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM NO. 38 XAVIERVILLE  
 AVE. LONVOLE HEIGHTS,  
 QUEZON CITY, 1108  
 TEL NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

DESIGNER:  
**MANUEL V. PANIS**  
 PROFESSIONAL ELECTRICAL ENGINEER  
 PRC No. 1210 Validity: 10/13/2023  
 PTR No. 7731829 Date: 01/04/2021  
 Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

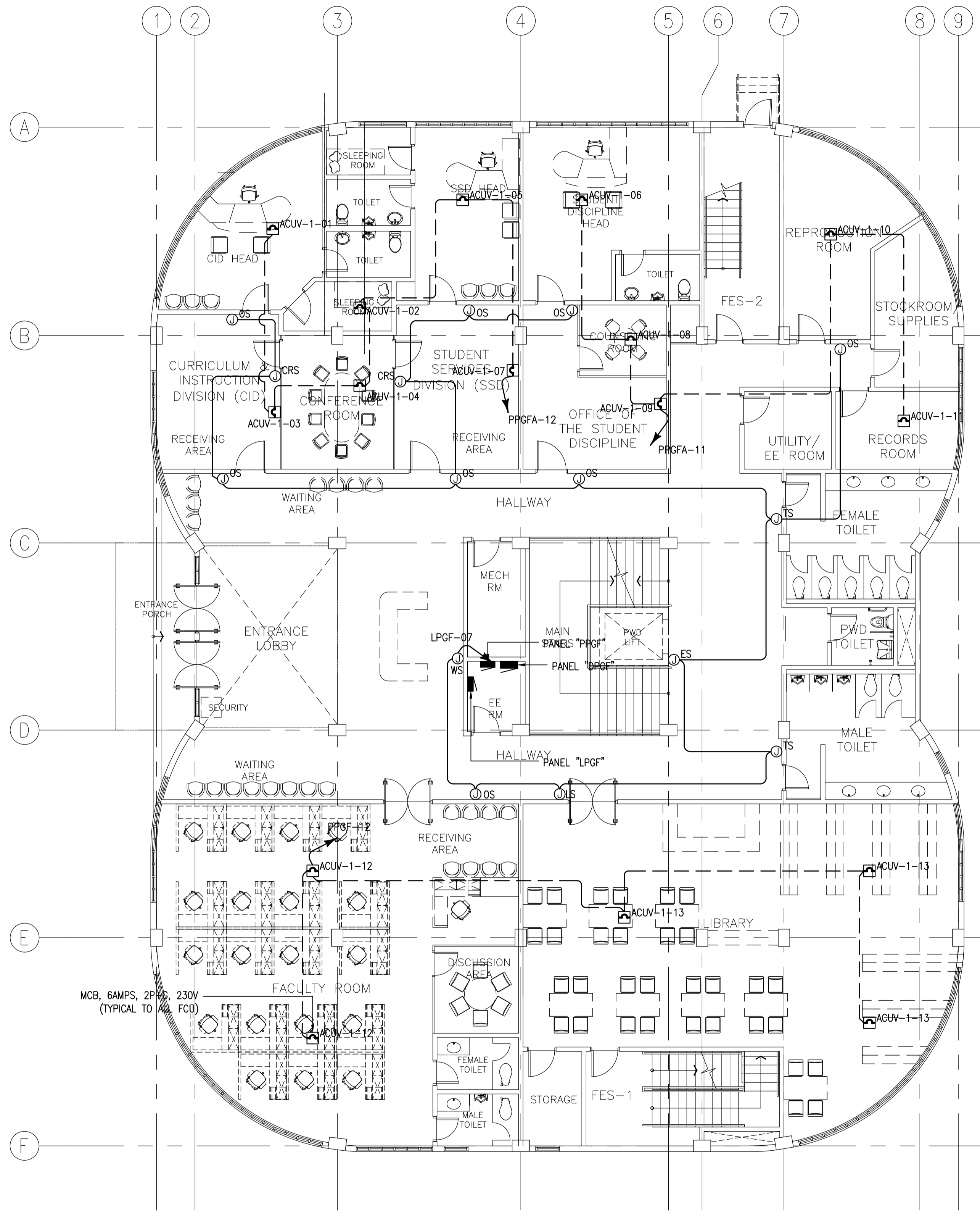
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 ROOF DECK POWER LAYOUT  
 BASEMENT MECHANICAL EQUIPMENT  
 POWER LAYOUT

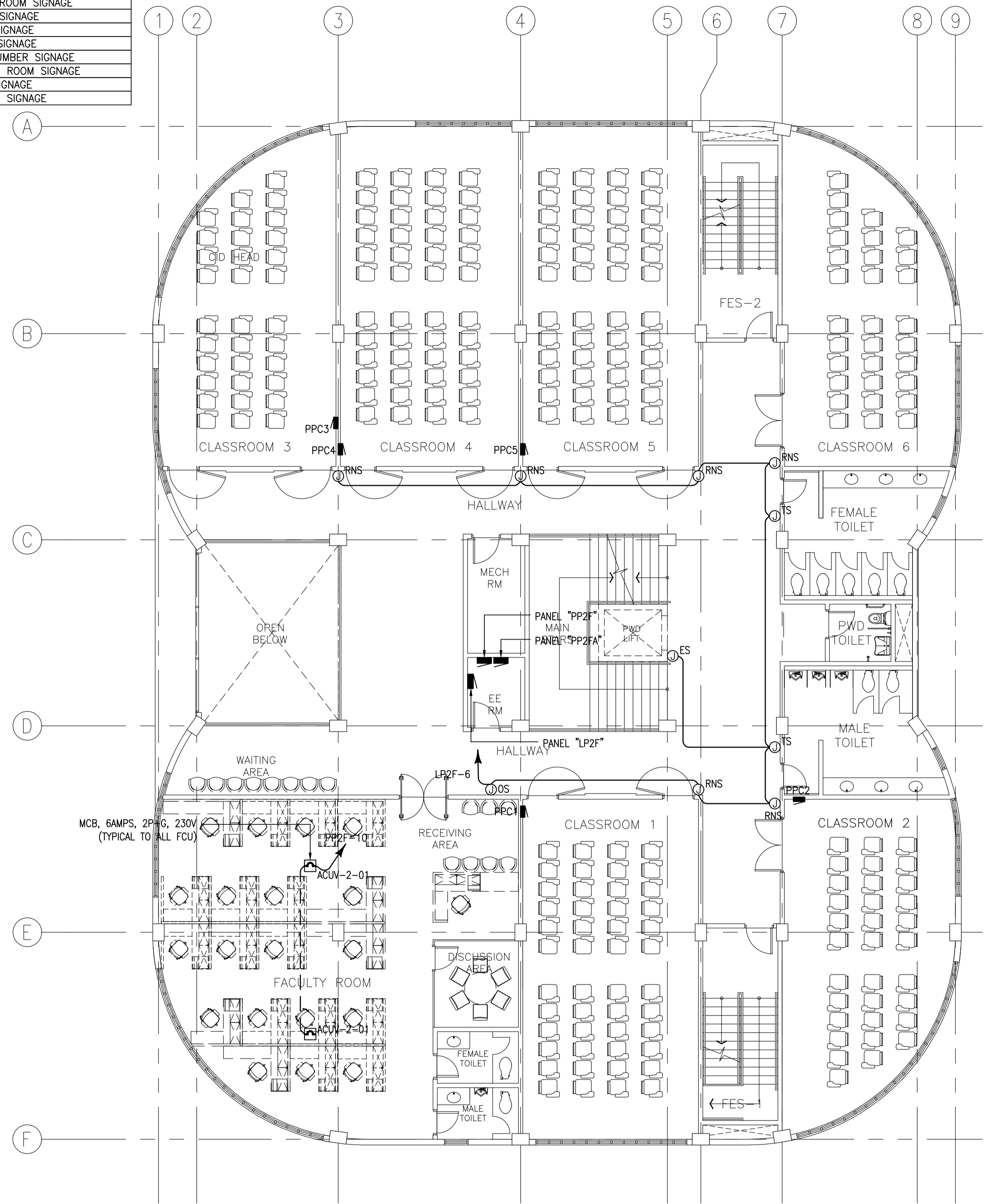
SHEET NO:  
**E**  
**9 17**



LOCATIONAL/DIRECTIONAL SIGNAGES ABBREVIATION	
CRS	CONFERENCE ROOM SIGNAGE
DAS	DISPLAY AREA SIGNAGE
DS	DIRECTIONAL SIGNAGE
ES	ELEVATOR/LIFT SIGNAGE
FRS	FITNESS ROOM SIGNAGE
LS	LIBRARY SIGNAGE
OS	OFFICE SIGNAGE
PS	PANTRY SIGNAGE
RNS	ROOM NUMBER SIGNAGE
SRS	SLEEPING ROOM SIGNAGE
TS	TOILET SIGNAGE
WS	WELCOME SIGNAGE



**1** ACADEMIC BUILDING II  
**GROUND FLOOR MECHANICAL EQUIPMENT AND SIGNAGES POWER LAYOUT**  
 SCALE: E-10 1:100MTRS



**2** ACADEMIC BUILDING II  
**SECOND FLOOR MECHANICAL EQUIPMENT AND SIGNAGES POWER LAYOUT**  
 SCALE: E-10 1:100MTRS

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

**DESIGNER:**  
**MANUEL V. PANIS**  
 PROFESSIONAL ELECTRICAL ENGINEER  
 PRC No. 1210 Validity: 10/13/2023  
 PTR No. 7731829 Date: 01/04/2021  
 Place: ANTIPOLO CITY TIN: 132-466-222

**REPUBLIC ACT 9266**  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

**PROJECT:**  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

**DESIGNED FOR:**  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

**RECOMMENDING APPROVAL:**  
**MERIAM F. FALLAR**  
 FAD CHIEF

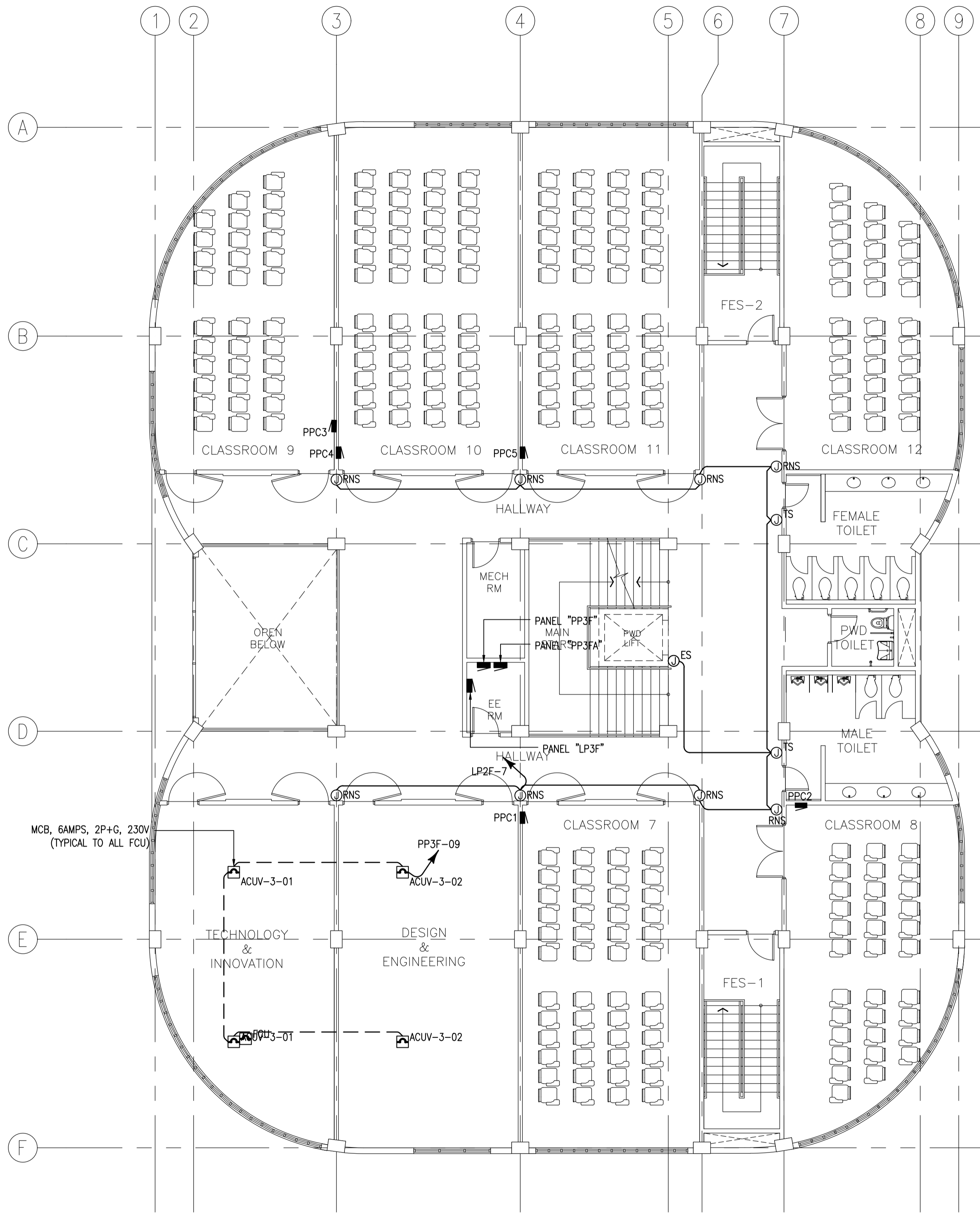
**APPROVED BY:**  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

**SHEET CONTENTS:**  
 GROUND FLOOR MECHANICAL EQUIPMENT POWER LAYOUT  
 SECOND FLOOR MECHANICAL EQUIPMENT POWER LAYOUT

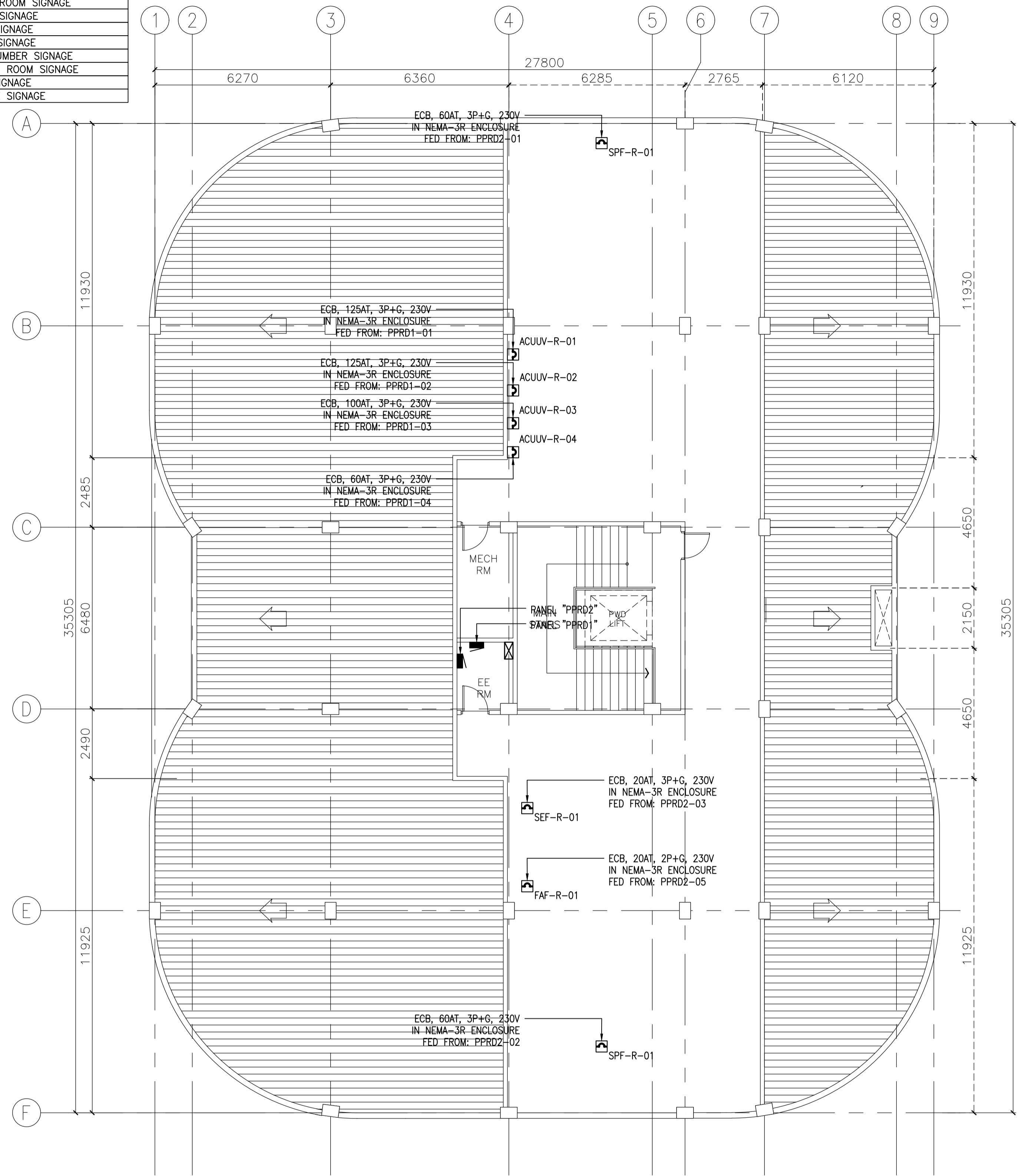
**SHEET NO.:**  
**E**  
**10 17**



LOCATIONAL/DIRECTIONAL SIGNAGES ABBREVIATION	
CRS	CONFERENCE ROOM SIGNAGE
DAS	DISPLAY AREA SIGNAGE
DS	DIRECTIONAL SIGNAGE
ES	ELEVATOR/LIFT SIGNAGE
FRS	FITNESS ROOM SIGNAGE
LS	LIBRARY SIGNAGE
OS	OFFICE SIGNAGE
PS	PANTRY SIGNAGE
RNS	ROOM NUMBER SIGNAGE
SRS	SLEEPING ROOM SIGNAGE
TS	TOILET SIGNAGE
WS	WELCOME SIGNAGE



**1** ACADEMIC BUILDING II  
**THIRD FLOOR MECHANICAL EQUIPMENT AND SIGNAGES POWER LAYOUT**  
 SCALE: 1:100MTRS



**2** ACADEMIC BUILDING II  
**ROOF DECK MECHANICAL EQUIPMENT POWER LAYOUT**  
 SCALE: 1:100MTRS

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVENUE, LOVELA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

DESIGNER:  
**MANUEL V. PANIS**  
 PROFESSIONAL ELECTRICAL ENGINEER  
 PRC No. 1210 Validity: 10/13/2023  
 PTR No. 7731829 Date: 01/04/2021  
 Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED BY HIM OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II /  
 MULTI-PURPOSE GYMNASIUM**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

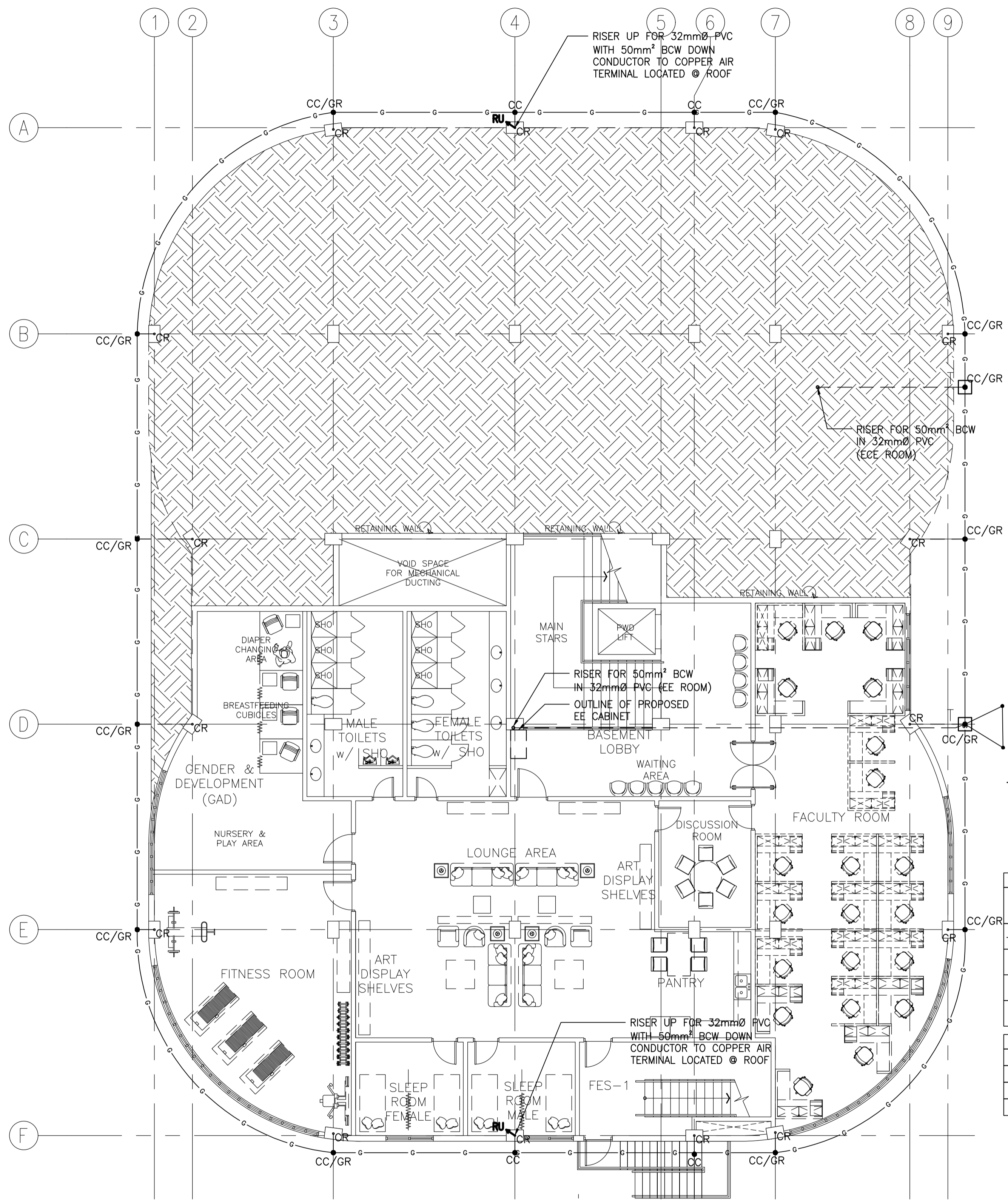
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

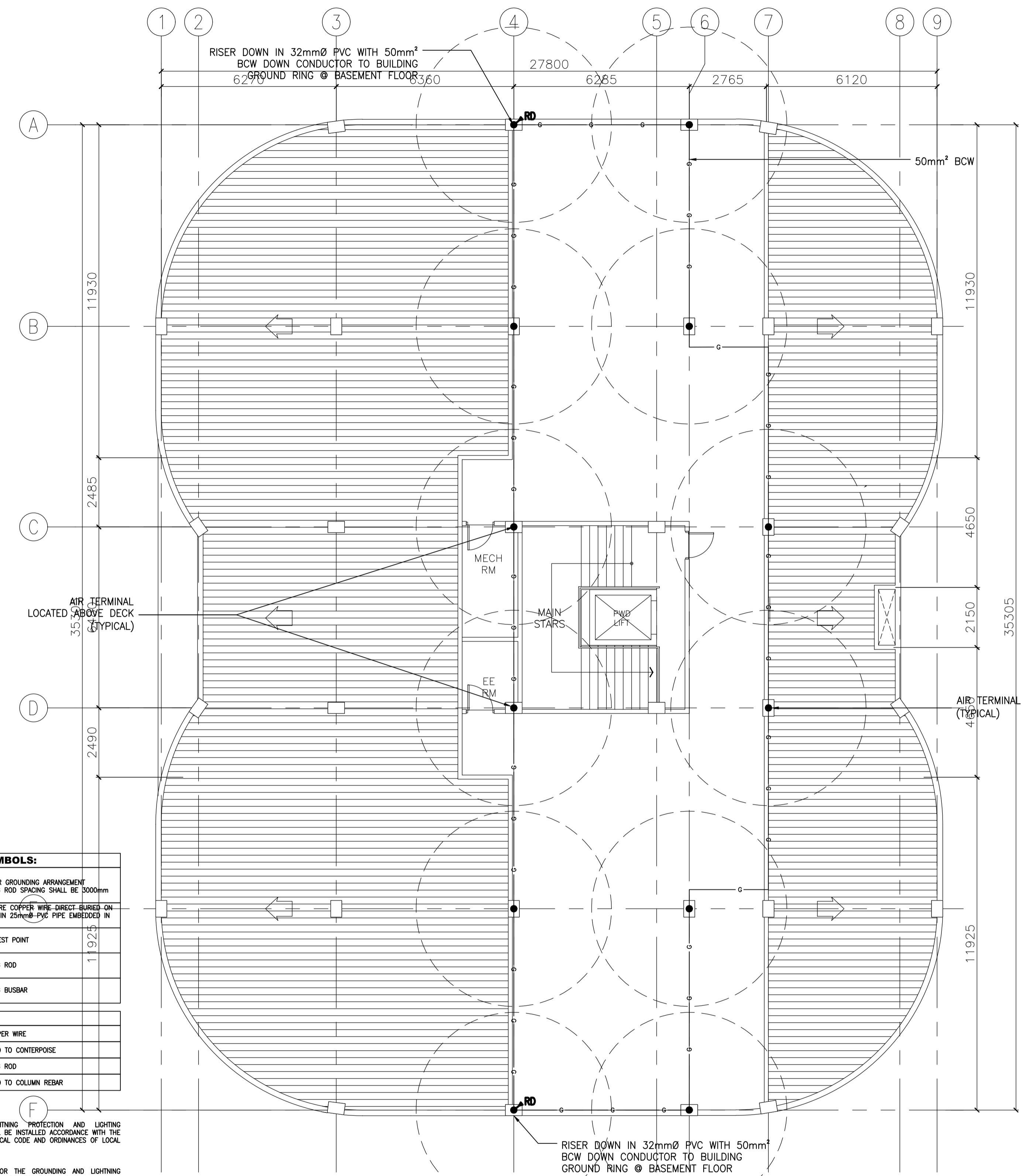
SHEET CONTENTS:  
 THIRD FLOOR MECHANICAL EQUIPMENT  
 POWER LAYOUT  
 ROOF DECK MECHANICAL EQUIPMENT  
 POWER LAYOUT

SHEET NO:  
**E**  
**11 17**





1  
E-12  
ACADEMIC BUILDING II  
BASEMENT GROUNDING SYSTEM LAYOUT  
SCALE 1:100MTRS



2  
E-12  
ACADEMIC BUILDING II  
ROOF DECK LIGHTNING PROTECTION LAYOUT  
SCALE 1:100MTRS

**LEGEND AND SYMBOLS:**

	TRIANGULAR GROUNDING ARRANGEMENT GROUNDING ROD SPACING SHALL BE 3000mm
	50mm <sup>2</sup> BARE COPPER WIRE DIRECT BURIED ON EARTH OR IN 25mmØ PVC PIPE EMBEDDED IN CONCRETE
	GROUND TEST POINT
	GROUNDING ROD
	GROUNDING BUSBAR

**ABBREVIATION:**

BCW	BARE COPPER WIRE
CC	CONNECTED TO CENTERPOISE
GR	GROUNDING ROD
CR	CONNECTED TO COLUMN REBAR

**NOTES:**

- GROUNDING AND LIGHTNING PROTECTION AND LIGHTING PROTECTION SYSTEM SHALL BE INSTALLED ACCORDANCE WITH THE LATEST PHILIPPINE ELECTRICAL CODE AND ORDINANCES OF LOCAL AUTHORITIES.
- OVER-ALL IMPEDANCE FOR THE GROUNDING AND LIGHTNING PROTECTION NETWORK SHALL BE LESS THAN 1 OHM.
- MINIMUM COPPER GROUND BAR SIZE SHALL BE 300mm(L) x 100mm(h) x 7mm(T) AND SHALL BE COMPLETE WITH WALL MOUNTED INSULATOR SPACER.
- ALL ELECTRICAL EQUIPMENT/ DEVICES SUCH AS TRANSFORMERS, GENSETS, SWITCHGEARS, ETC. WITH PROTRUDING METAL SHALL BE EFFECTIVELY BONDED TO THE GROUND.
- DOWN CONDUCTOR FOR LIGHTNING ARRESTER SHALL BE CONTINUOUS. USE EXOTHERMIC WELD FOR ALL WIRE CONNECTIONS

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM NO. 38 XAVIERVILLE  
AVENUE, LAYUNGA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 9024  
FAX NOS: 927 0608;  
426 7214

DESIGNER:  
**MANUEL V. PANIS**  
PROFESSIONAL ELECTRICAL ENGINEER

PRC No. 1210 Validity: 10/13/2023  
PTR No. 7731829 Date: 01/04/2021  
Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II /  
MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
BASEMENT GROUNDING SYSTEM LAYOUT  
ROOF DECK LIGHTNING PROTECTION LAYOUT

SHEET NO:  
**E**  
12 17



PANEL NAME: DPGF FED FROM: MDP SYSTEM: 230Vac, 3Ø, 3w, 60Hz				LOCATION: EE ROOM -GF MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1														
CKT NO.	DESCRIPTION	CONN. LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER					CABLE SIZE		CONDUIT		REMARKS	
				3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE	TYPE		
1	PPRD1	86,488	230	217.11	0.00	0.00	0.00	225	250	3	22	MCCB	3 - 125 mm2 THWN	1 - 22 mm2 TW	65	IMC		
2	SPARE	230	230					225	250	3	22	MCCB						
3	PPRD2	22,302	230	50.21	3.84	3.83	2.35	70	100	3	22	MCCB	3 - 22 mm2 THWN	1 - 8.0 mm2 TW	32	IMC		
4	PP3FA	7,392	230	0.00	10.71	10.71	10.71	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 5.5 mm2 TW	32	IMC		
5	PP3F	8,446	230	0.00	11.22	14.29	11.22	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 5.5 mm2 TW	32	IMC		
6	PP2FA	7,392	230	0.00	10.71	10.71	10.71	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 5.5 mm2 TW	32	IMC		
7	PP2F	13,253	230	0.00	18.78	19.27	19.57	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 8.0 mm2 TW	32	IMC		
8	PPGFA	12,312	230	0.00	18.00	17.48	18.05	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 8.0 mm2 TW	32	IMC		
9	PPGF	14,582	230	0.00	20.35	24.00	19.05	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 8.0 mm2 TW	32	IMC		
10	PPB	17,960	230	0.00	27.68	25.83	24.57	70	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 5.5 mm2 TW	32	IMC		
11	LPGF	3,385	230	0.00	6.01	7.52	5.57	40	100	3	22	MCCB	3 - 8.0 mm2 THWN	1 - 5.5 mm2 TW	25	IMC		
12	LP2F	2,754	230	0.00	5.78	4.49	1.71	40	100	3	22	MCCB	3 - 8.0 mm2 THWN	1 - 5.5 mm2 TW	25	IMC		
13	SPARE	230	230					60	100	3	18	MCCB						
14	SPARE	230	230					40	100	3	18	MCCB						
TOTAL				196,266	230	267	133.08	138.13	123.51	300	400	3	22	MCCB	2 SETS OF 3 - 60 mm2 THWN	1 - 14 mm2 TW	2x50	IMC
DEMAND FACTOR				0.60	MAIN CB: 300 AT 400 AF 3 POLE				230 V									
DEMAND LOAD				117,760	MAIN FEEDER: PHASE & NEUTRAL: 2 SETS OF 3 - 60 mm2 THWN													
TOTAL CURRENT				296	GROUND: 1 - 14 mm2 TW													
					CONDUIT: 2x50 mmØ IMC													

PANEL NAME: PPB FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz				LOCATION: EE ROOM MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1															
CKT NO.	DESCRIPTION	CONN. LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER					CABLE SIZE		CONDUIT		REMARKS		
				3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE	TYPE			
1	CONVENIENCE OUTLET	720	0.80	576	230	3.13		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
2	CONVENIENCE OUTLET	1,260	0.80	1,008	230	5.48		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
3	CONVENIENCE OUTLET	1,620	0.80	1,296	230	7.04		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
4	CONVENIENCE OUTLET	900	0.80	720	230	3.91		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
5	CONVENIENCE OUTLET	540	0.80	432	230	2.35		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
6	CONVENIENCE OUTLET	1,080	0.80	864	230	4.70		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
7	CONVENIENCE OUTLET	1,440	0.80	1,152	230	6.26		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
8	HAND DRYER	1,500	0.60	900	230	6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
9	HAND DRYER	1,500	0.60	900	230	6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
10	REF	500	0.80	400	230	2.17		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
11	MICROWAVE	1,500	0.80	1,200	230	6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
12	LIGHTING	346	0.90	311	230	1.50		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
13	LIGHTING + TEF-B1-01	724	0.90	651	230	3.15		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
14	ACUV-B1-01 TO 04	424	1.00	424	230	1.84		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
15	ACUV-B1-01 TO 04	341	1.00	341	230	1.48		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
16	CONVENIENCE OUTLET	540	0.80	432	230	2.35		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
17	ESP	1,840	0.80	1,472	230	8.00		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
18	LIGHTING	346	0.90	311	230	1.50		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
19	ELECTRONIC SIGNAGES	300	0.90	270	230	1.30		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
20	SPARE	230	230			0.00		20	100	2	18	MCCB							
21	CONVENIENCE OUTLET	540	0.80	432	230	2.35		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
22	SPARE	230	230			0.00		20	100	2	18	MCCB							
23	SPARE	230	230			0.00		20	100	2	18	MCCB							
24	SPARE	230	230			0.00		20	100	2	18	MCCB							
TOTAL				17,960	0.78	14,093	230	27.68	25.83	24.57	70	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 5.5 mm2 TW	32	IMC
DEMAND FACTOR				0.78	MAIN CB: 70 AT 100 AF 3 POLE				230 V										
DEMAND LOAD				14,093	MAIN FEEDER: PHASE & NEUTRAL: 3 - 14 mm2 THWN														
TOTAL CURRENT				48	GROUND: 1 - 5.5 mm2 TW														
					CONDUIT: 32 mmØ IMC														

PANEL NAME: PPRD1 FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz				LOCATION: EE ROOM MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1														
CKT NO.	DESCRIPTION	CONN. LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER					CABLE SIZE		CONDUIT		REMARKS	
				3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE	TYPE		
1	ACUV-R-01	19,718	0.80	15,774	230	49.50		125	150	3	18	MCCB	3 - 14 mm2 THWN	1 - 8.0 mm2 TW	25	IMC		
2	ACUV-R-02	19,718	0.80	15,774	230	49.50		125	150	3	18	MCCB	3 - 14 mm2 THWN	1 - 8.0 mm2 TW	25	IMC		
3	ACUV-R-03	14,482	0.80	11,586	230	36.35		100	100	3	18	MCCB	3 - 8.0 mm2 THWN	1 - 5.5 mm2 TW	25	IMC		
4	ACUV-R-04	9,306	0.80	7,445	230	23.36		60	100	3	18	MCCB	3 - 5.5 mm2 THWN	1 - 5.5 mm2 TW	20	IMC		
5	SHIP CPS DUPLEX TYPE	12,110	0.80	9,688	230	30.40		60	100	3	18	MCCB	3 - 8.0 mm2 THWN	1 - 5.5 mm2 TW	25	IMC		
6	IQHP LIFT MOTOR	11,154	0.80	8,923	230	28.00		70	100	3	18	MCCB	3 - 8.0 mm2 THWN	1 - 8.0 mm2 TW	32	IMC		
7	SPARE	230	230					100	100	3	18	MCCB						
8	SPARE	230	230					60	100	3	18	MCCB						
TOTAL				86,488	0.80	69,190	230	217.11		225	250	3	22	MCCB	3 - 125 mm2 THWN	1 - 22 mm2 TW	65	IMC
DEMAND FACTOR				0.80	MAIN CB: 225 AT 250 AF 3 POLE				230 V									
DEMAND LOAD				69,190	MAIN FEEDER: PHASE & NEUTRAL: 3 - 125 mm2 THWN													
TOTAL CURRENT				217	GROUND: 1 - 22 mm2 TW													
					CONDUIT: 65 mmØ IMC													

PANEL NAME: PPGF FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz				LOCATION: EE ROOM MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1															
CKT NO.	DESCRIPTION	CONN. LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER					CABLE SIZE		CONDUIT		REMARKS		
				3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE	TYPE			
1	CONVENIENCE OUTLET	1,260	0.80	1,008	230	5.48		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
2	CONVENIENCE OUTLET	1,440	0.80	1,152	230	6.26		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
3	CONVENIENCE OUTLET	1,080	0.80	864	230	4.70		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
4	CONVENIENCE OUTLET	1,440	0.80	1,152	230	6.26		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
5	HAND DRYER	1,000	0.60	600	230	4.35		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
6	HAND DRYER	1,000	0.60	600	230	4.35		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
7	CONVENIENCE OUTLET	1,440	0.80	1,152	230	6.26		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
8	CONVENIENCE OUTLET	540	0.80	432	230	2.35		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
9	HAND DRYER	1,500	0.60	900	230	6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
10	HAND DRYER	1,500	0.60	900	230	6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
11	HAND DRYER	1,500	0.60	900	230	6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
12	ACUV-1-12 & 13	882	0.80	706	230	3.84		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
13	SPARE	230	230			0.00		20	100	2	18	MCCB							
14	SPARE	230	230			0.00		20	100	2	18	MCCB							
15	SPARE	230	230			0.00		20	100	2	18	MCCB							
16	SPARE	230	230			0.00		20	100	2	18	MCCB							
17	SPARE	230	230			0.00		20	100	2	18	MCCB							
18	SPARE	230	230			0.00		20	100	2	18	MCCB							
TOTAL				14,582	0.71	10,366	230	20.35	24.00	19.05	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 8.0 mm2 TW	32	IMC
DEMAND FACTOR				0.71	MAIN CB: 50 AT 100 AF 3 POLE				230 V										
DEMAND LOAD				10,366	MAIN FEEDER: PHASE & NEUTRAL: 3 - 14 mm2 THWN														
TOTAL CURRENT				42	GROUND: 1 - 8.0 mm2 TW														
					CONDUIT: 32 mmØ IMC														

PANEL NAME: PPGFA FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz				LOCATION: EE ROOM MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1			
CKT NO.							



PANEL NAME: LPGF FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz										LOCATION: EE ROOM - GF MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1											
CKT NO.	DESCRIPTION	CONN. LOAD	DEMAND FACTOR	DEMAND LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER				CABLE SIZE		CONDUIT		REMARKS			
						Ø3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE		TYPE		
1	FIRE EXIT LIGHTING	544	0.90	490	230	2.37				20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	20	PVC			
2	FIRE EXIT LIGHTING	464	0.90	418	230	2.02				20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	20	PVC			
3	LIGHTING	793	0.90	714	230		3.45			20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
4	LIGHTING	937	0.90	843	230		4.07			20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
5	LIGHTING	568	0.90	511	230			2.47		20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
6	STAIRCASE LIGHTING	712	0.90	641	230			3.10		20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	20	PVC			
7	ELECTRONIC SIGNAGES	375	0.90	338	230		1.63			20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
8	SPARE				230		0.00			20	100	2	18	MCCB							
9	SPARE				230		0.00			20	100	2	18	MCCB							
10	SPARE				230		0.00			20	100	2	18	MCCB							
11	SPARE				230		0.00			20	100	2	18	MCCB							
12	SPARE				230		0.00			20	100	2	18	MCCB							
TOTAL						3,385	0.90	3,047	230	6.01	7.52	5.57	40	100	3	22	MCCB	3 - 8.0mm2 THWN	1 - 5.5mm2 TW	25	IMC
DEMAND FACTOR		0.90		MAIN CB:		40		AT		100 AF		3 POLE		230 V							
DEMAND LOAD		3,047		MAIN FEEDER:		PHASE & NEUTRAL:		3 - 8.0mm2 THWN		GROUND:		1 - 5.5mm2 TW		CONDUIT:		25 mmØ IMC					
TOTAL CURRENT		13																			

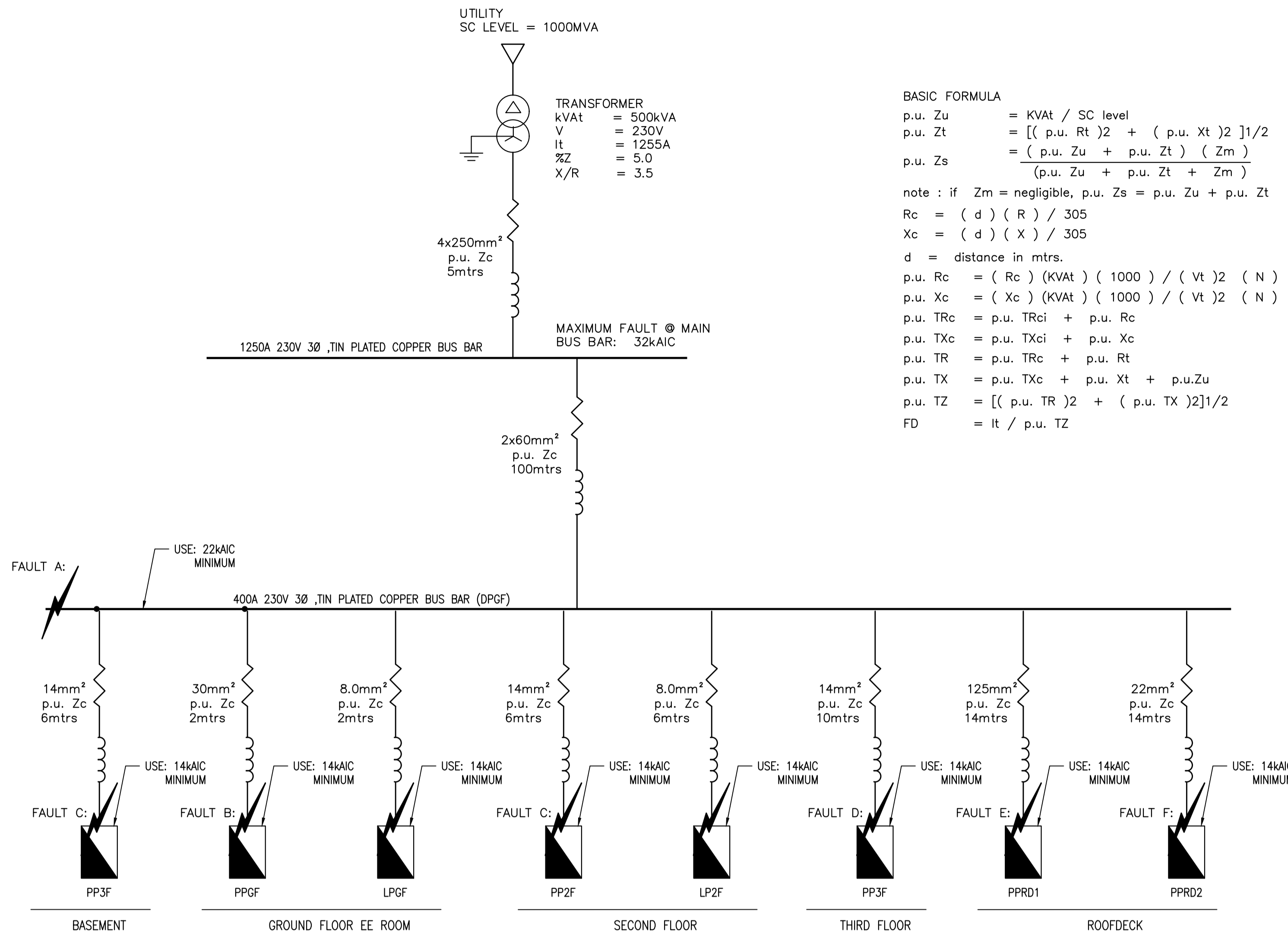
PANEL NAME: LP2F FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz										LOCATION: EE ROOM - 2F MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1											
CKT NO.	DESCRIPTION	CONN. LOAD	DEMAND FACTOR	DEMAND LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER				CABLE SIZE		CONDUIT		REMARKS			
						Ø3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE		TYPE		
1	LIGHTING-2F	793	0.90	714	230		3.45			20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
2	LIGHTING-2F	260	0.90	234	230		1.13			20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
3	LIGHTING-3F	625	0.90	562	230			2.72		20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
4	LIGHTING	407	0.90	367	230			1.77		20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
5	LIGHTING	144	0.90	130	230				0.63	20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
6	ELECTRONIC SIGNAGES	250	0.90	225	230				1.09	20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
7	ELECTRONIC SIGNAGES	275	0.90	248	230		1.20			20	100	2	18	MCCB	2 - 3.5mm2 THWN	1 - 3.5mm2 TW	15	EMT/IMC			
8	SPARE				230		0.00			20	100	2	18	MCCB							
9	SPARE				230		0.00			20	100	2	18	MCCB							
10	SPARE				230		0.00			20	100	2	18	MCCB							
11	SPARE				230		0.00			20	100	2	18	MCCB							
12	SPARE				230		0.00			20	100	2	18	MCCB							
TOTAL						2,754	0.90	2,479	230	5.78	4.49	1.71	40	100	3	22	MCCB	3 - 8.0mm2 THWN	1 - 5.5mm2 TW	25	IMC
DEMAND FACTOR		0.90		MAIN CB:		40		AT		100 AF		3 POLE		230 V							
DEMAND LOAD		2,479		MAIN FEEDER:		PHASE & NEUTRAL:		3 - 8.0mm2 THWN		GROUND:		1 - 5.5mm2 TW		CONDUIT:		25 mmØ IMC					
TOTAL CURRENT		10																			

PANEL NAME: PP2F FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz										LOCATION: EE ROOM MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1											
CKT NO.	DESCRIPTION	CONN. LOAD	DEMAND FACTOR	DEMAND LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER				CABLE SIZE		CONDUIT		REMARKS			
						Ø3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE		TYPE		
1	CONVENIENCE OUTLET	1,260	0.80	1,008	230	5.48				20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
2	CONVENIENCE OUTLET	1,440	0.80	1,152	230	6.26				20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
3	HAND DRYER	1,500	0.60	900	230		6.52			20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
4	HAND DRYER	1,500	0.60	900	230		6.52			20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
5	HAND DRYER	1,500	0.60	900	230			6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
6	HAND DRYER	1,500	0.60	900	230			6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
7	CONVENIENCE OUTLET	1,080	0.80	864	230	4.70				20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
8	SPARE				230		0.00			20	100	2	18	MCCB							
9	CONVENIENCE OUTLET	1,080	0.80	864	230	4.70				20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
10	ACUV-2-01	353	0.80	282	230		1.53			20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
11	HAND DRYER	1,500	0.60	900	230			6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
12	SPARE				230		0.00			20	100	2	18	MCCB							
13	CONVENIENCE OUTLET	540	0.80	432	230	2.35				20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
14	SPARE				230		0.00			20	100	2	18	MCCB							
15	SPARE				230		0.00			20	100	2	18	MCCB							
16	SPARE				230		0.00			20	100	2	18	MCCB							
TOTAL						13,253	0.69	9,102	230	18.78	19.27	19.57	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 8.0 mm2 TW	32	IMC
DEMAND FACTOR		0.69		MAIN CB:		50		AT		100 AF		3 POLE		230 V							
DEMAND LOAD		9,102		MAIN FEEDER:		PHASE & NEUTRAL:		3 - 14 mm2 THWN		GROUND:		1 - 8.0 mm2 TW		CONDUIT:		32 mmØ IMC					
TOTAL CURRENT		34																			

PANEL NAME: PP3F FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz										LOCATION: EE ROOM MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1											
CKT NO.	DESCRIPTION	CONN. LOAD	DEMAND FACTOR	DEMAND LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER				CABLE SIZE		CONDUIT		REMARKS			
						Ø3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE		TYPE		
1	CONVENIENCE OUTLET	1,080	0.80	864	230					20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
2	HAND DRYER	1,500	0.60	900	230		6.52			20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
3	HAND DRYER	1,500	0.60	900	230			6.52		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
4	CONVENIENCE OUTLET	1,080	0.80	864	230			4.70		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
5	CONVENIENCE OUTLET	1,080	0.80	864	230			4.70		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
6	HAND DRYER	1,500	0.60	900	230				6.52	20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	20	PVC			
7	SPARE				230		0.00			20	100	2	18	MCCB							
8	SPARE				230		0.00			20	100	2	18	MCCB							
9	ACUV-3-01 & 02	706	0.80	565	230			3.07		20	100	2	18	MCCB	2 - 3.5 mm2 THWN	1 - 3.5 mm2 TW	15	EMT/IMC			
10	SPARE				230		0.00			20	100	2	18	MCCB							
11	SPARE				230		0.00			20	100	2	18	MCCB							
12	SPARE				230		0.00			20	100	2	18	MCCB							
TOTAL						8,446	0.69	5,857	230	11.22	14.29	11.22	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 5.5 mm2 TW	32	IMC
DEMAND FACTOR		0.69		MAIN CB:		50		AT		100 AF		3 POLE		230 V							
DEMAND LOAD		5,857		MAIN FEEDER:		PHASE & NEUTRAL:		3 - 14 mm2 THWN		GROUND:		1 - 5.5 mm2 TW		CONDUIT:		32 mmØ IMC					
TOTAL CURRENT		25																			

PANEL NAME: PP2FA FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz										LOCATION: EE ROOM MOUNTING: WALL MOUNTED ENCLOSURE: NEMA-1											
CKT NO.	DESCRIPTION	CONN. LOAD	DEMAND FACTOR	DEMAND LOAD	VOLT	AMPERE LOAD				CIRCUIT BREAKER				CABLE SIZE		CONDUIT		REMARKS			
						Ø3Ø	ØAB	ØCA	ØBC	AT	AF	POLE	KAIC	TYPE	PHASE & NEUTRAL	GROUND	SIZE		TYPE		
1	PPC1	1,232	0.81	1,001	230	5.36				30	100	2	22	MCCB	2 - 5.5 mm2 THWN	1 - 5.5 mm2 TW	20	IMC			
2	PPC2	1,232	0.81	1,001	230	5.36				30	100	2	22	MCCB	2 - 5.5 mm2 THWN	1 - 5.5 mm2 TW	20	IMC			
3	PPC3	1,232	0.81	1,001	230		5.36			30	100	2	22	MCCB	2 - 5.5 mm2 THWN	1 - 5.5 mm2 TW	20	IMC			
4	PPC4	1,232	0.81	1,001	230		5.36			30	100	2	22	MCCB	2 - 5.5 mm2 THWN	1 - 5.5 mm2 TW	20	IMC			
5	PPC5	1,232	0.81	1,001	230			5.36		30	100	2	22	MCCB	2 - 5.5 mm2 THWN	1 - 5.5 mm2 TW	20	IMC			
6	PPC6	1,232	0.81	1,001	230			5.36		30	100	2	22	MCCB	2 - 5.5 mm2 THWN	1 - 5.5 mm2 TW	20	IMC			
TOTAL						7,392	0.81	6,005	230	10.71	10.71	10.71	50	100	3	22	MCCB	3 - 14 mm2 THWN	1 - 5.5 mm2 TW	32	IMC
DEMAND FACTOR		0.81																			





**1 SHORT CIRCUIT CALCULATION**  
E-15 SCALE: NTS

**BASIC FORMULA**  
 p.u. Zu = KVAt / SC level  
 p.u. Zt =  $\sqrt{[(p.u. R_t)^2 + (p.u. X_t)^2]}^{1/2}$   
 p.u. Zs =  $\frac{(p.u. Z_u + p.u. Z_t)(Z_m)}{(p.u. Z_u + p.u. Z_t + Z_m)}$   
 note : if Zm = negligible, p.u. Zs = p.u. Zu + p.u. Zt  
 Rc = (d) (R) / 305  
 Xc = (d) (X) / 305  
 d = distance in mtrs.  
 p.u. Rc = (Rc) (KVAt) (1000) / (Vt)² (N)  
 p.u. Xc = (Xc) (KVAt) (1000) / (Vt)² (N)  
 p.u. TRc = p.u. TRci + p.u. Rc  
 p.u. TXc = p.u. TXci + p.u. Xc  
 p.u. TR = p.u. TRc + p.u. Rt  
 p.u. TX = p.u. TXc + p.u. Xt + p.u. Zu  
 p.u. TZ =  $\sqrt{[(p.u. TR)^2 + (p.u. TX)^2]}^{1/2}$   
 FD = It / p.u. TZ

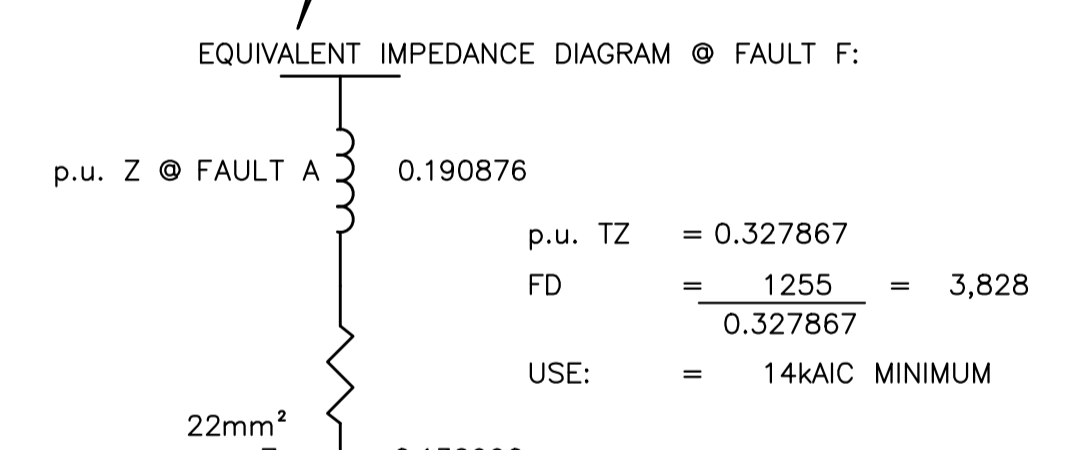
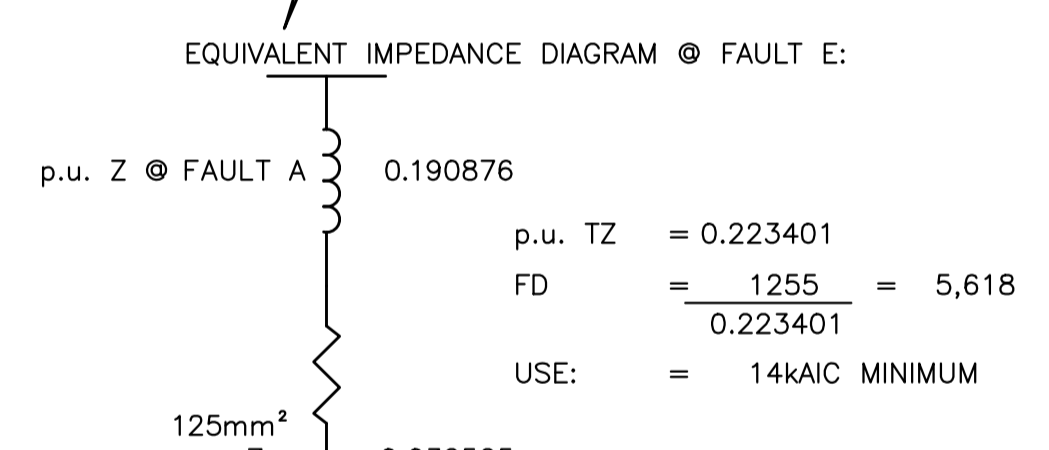
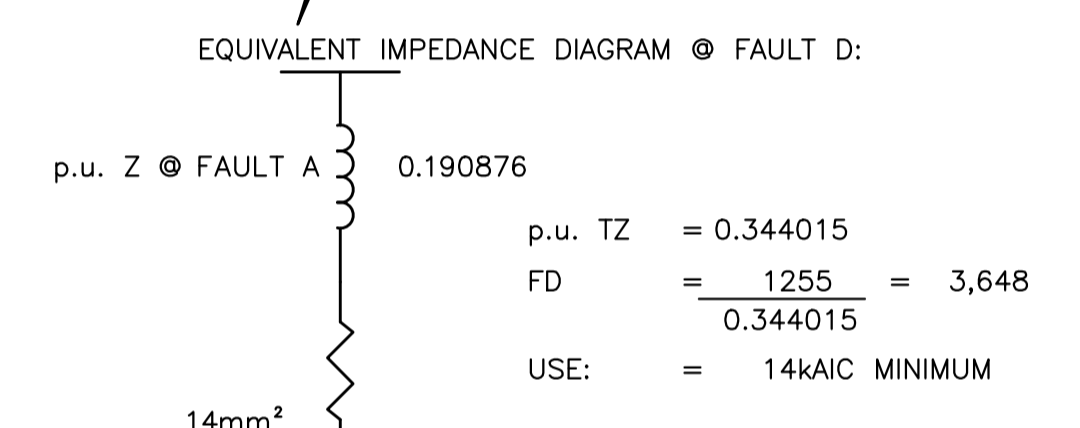
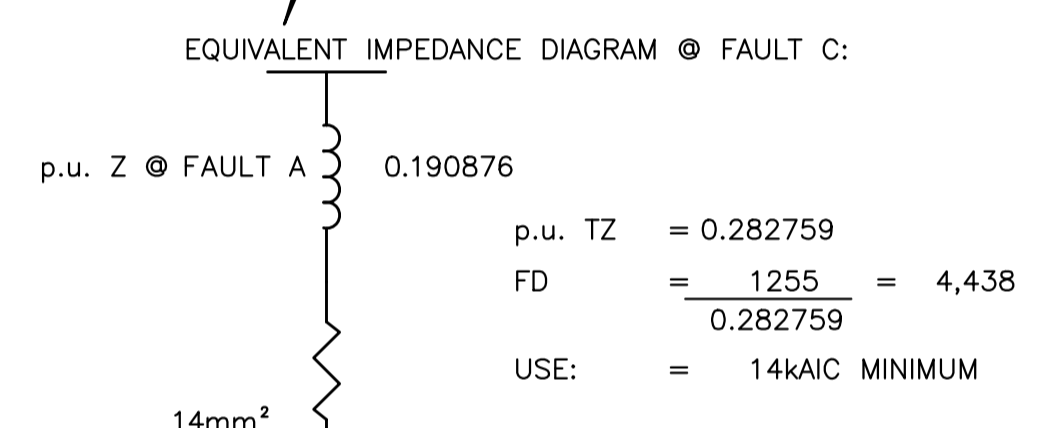
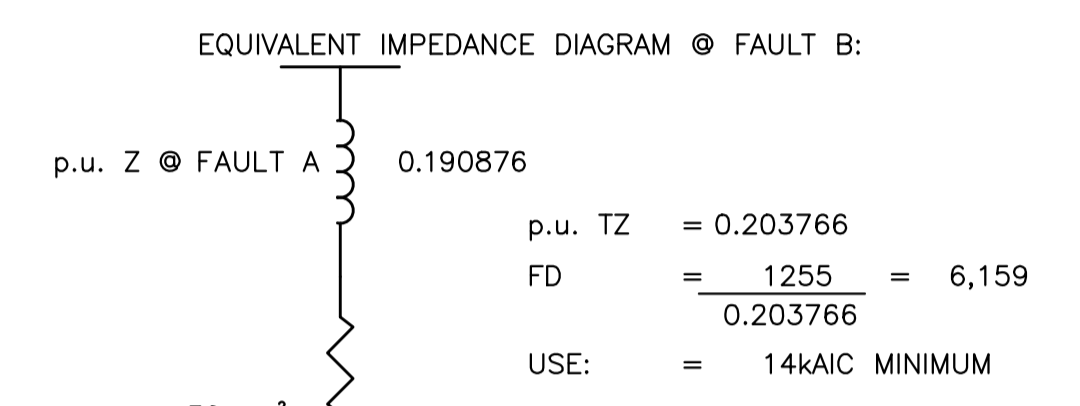
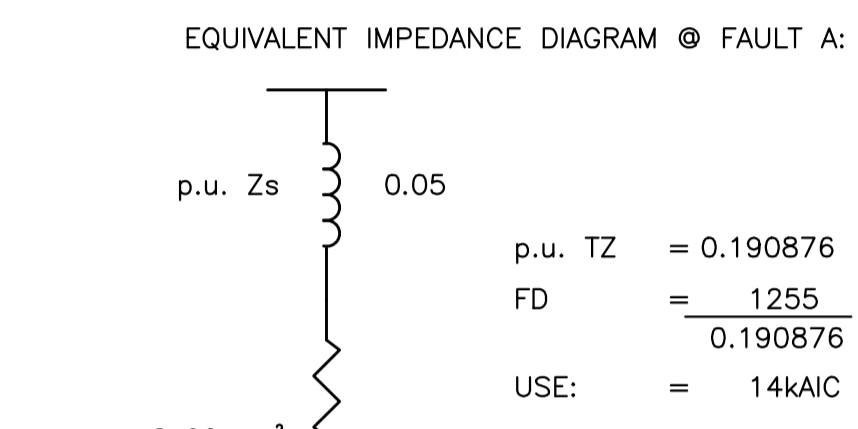
KVAt = x? former KVA  
 Vt = x? former Volts  
 It = x? former Amps  
 Rt = x? former Resistance  
 Xt = x? former Reactance  
 Zt = x? former Impedance  
 Zu = Utility Impedance  
 Zb = main bus Impedance  
 Zm = motor contribution Impedance  
 Rc = Conductor Resistance  
 Xc = Conductor Reactance  
 TRc = total conductor Resistance  
 TXc = total conductor Reactance  
 TR = total system Resistance  
 TX = total system Reactance  
 TZ = total system Impedance  
 SC = utility short circuit level in KVA  
 FD = Fault Duty AIC  
 N = No. of wires per Phase

$\theta = \tan^{-1} X$   
 p.u. Zu = 0.000750  
 p.u. Zt = 0.05  
 p.u. Zs = 0.050750

MAXIMUM 3Ø FAULT @ MAIN BUS:  
 p.u. XFORMER SC IMPEDANCE: p.u. Zs = 0.05  
 FD =  $\frac{1255}{0.05} = 25,100$   
 USE: = 32kAIC MINIMUM

DPGF FEEDER:  
 p.u. Rc 2x60mm² 80m = 0.123958  
 p.u. Xc 2x60mm² 80m = 0.066937  
 p.u. Zc = 0.140876  
 PPB FEEDER:  
 p.u. Rc 14mm² 6m = 0.091109  
 p.u. Xc 14mm² 6m = 0.011900  
 p.u. Zc = 0.091883  
 PPGF FEEDER:  
 p.u. Rc 30mm² 2m = 0.012396  
 p.u. Xc 30mm² 2m = 0.003533  
 p.u. Zc = 0.012889  
 PP2F FEEDER:  
 p.u. Rc 14mm² 6m = 0.091109  
 p.u. Xc 14mm² 6m = 0.011900  
 p.u. Zc = 0.091883

PP3F FEEDER:  
 p.u. Rc 14mm² 10m = 0.151849  
 p.u. Xc 14mm² 10m = 0.019833  
 p.u. Zc = 0.153138  
 PPRD1 FEEDER:  
 p.u. Rc 125mm² 14m = 0.023428  
 p.u. Xc 125mm² 14m = 0.022560  
 p.u. Zc = 0.032525  
 PPRD2 FEEDER:  
 p.u. Rc 22mm² 14m = 0.134494  
 p.u. Xc 22mm² 14m = 0.026031  
 p.u. Zc = 0.136990



**BASIC FORMULA:**  
 Vdc =  $\frac{[(1)(R^2 + Y^2)]^{1/2} (L)(d)}{[(305)(N)]}$   
 Y = (x) (Hz) / 60  
 Vend = Vorigin - Vdc  
 %Vdt =  $\frac{Vsource - Vend}{Vsource} \times 100$   
 Vdc = Voltage Drop @ Conductor  
 I = Line Amps  
 R = Conductor AC Resistance @ 75°C  
 X = Conductor Reactance at 60Hz  
 Y = Conductor Reactance other than 60Hz  
 L = Length factor ( 2 for 1-phase, 1.732 for 3-phase )  
 d = Ckt distance ( mtrs )  
 N = No. of wires per phase  
 Vsource = Voltage at source  
 Vorigin = Voltage at reference point  
 Vend = Voltage at load  
 %Vdt = % Voltage Drop from referenced main source

**SOLUTION:**  
 VOLTAGE DROP AT POINT A: DPGF  
 Vdc =  $\frac{197 \times (0.100^2 + 0.054^2)^{1/2} \times 80 \times 1.732}{2 \times 305} = 5.867$  V  
 Vend = 230 - 5.068 = 224.133 V  
 %Vdt =  $\frac{230 - 224.133}{230} \times 100 = 2.551$  %  
 VOLTAGE DROP AT POINT B: PPGF  
 Vdc =  $\frac{57 \times (0.200^2 + 0.057^2)^{1/2} \times 2 \times 1.732}{1 \times 305} = 0.134$  V  
 Vend = 224.133 - 0.134 = 223.999 V  
 %Vdt =  $\frac{230 - 223.999}{230} \times 100 = 2.609$  %  
 VOLTAGE DROP AT POINT C: PPB & PP2F  
 Vdc =  $\frac{40 \times (0.0490^2 + 0.064^2)^{1/2} \times 6 \times 1.732}{1 \times 305} = 0.673$  V  
 Vend = 224.133 - 0.673 = 223.460 V  
 %Vdt =  $\frac{230 - 223.460}{230} \times 100 = 2.843$  %

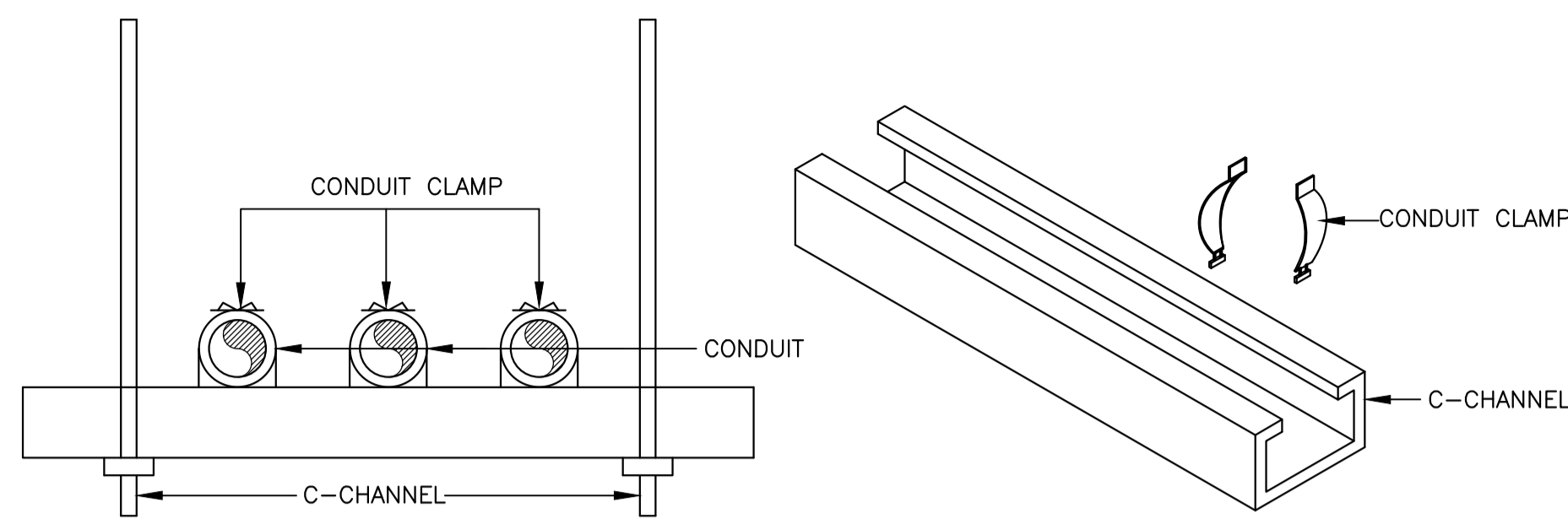
VOLTAGE DROP AT POINT D: PP3F  
 Vdc =  $\frac{24 \times (0.490^2 + 0.064^2)^{1/2} \times 10 \times 1.732}{1 \times 305} = 0.673$  V  
 Vend = 224.133 - 0.673 = 223.460 V  
 %Vdt =  $\frac{230 - 223.460}{230} \times 100 = 2.843$  %  
 VOLTAGE DROP AT POINT E: PPRD1  
 Vdc =  $\frac{174 \times (0.540^2 + 0.052^2)^{1/2} \times 14 \times 1.732}{1 \times 305} = 1.035$  V  
 Vend = 224.133 - 1.035 = 223.099 V  
 %Vdt =  $\frac{230 - 223.099}{230} \times 100 = 3.001$  %  
 VOLTAGE DROP AT POINT F: PPRD2  
 Vdc =  $\frac{750 \times (0.310^2 + 0.060^2)^{1/2} \times 14 \times 1.732}{1 \times 305} = 1.255$  V  
 Vend = 224.133 - 1.255 = 222.878 V  
 %Vdt =  $\frac{230 - 222.878}{230} \times 100 = 3.096$  %

AS PER PEC, CONDUCTORS FOR FEEDER SHALL NOT EXCEED 3 PERCENT AT THE FARTHEST OUTLET OF POWER, HEATING AND LIGHTING LOADS OR COMBINATION OF SUCH LOADS. AND THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST OUTLET SHALL BE 5 PERCENT FOR REASONABLE EFFICIENCY OF OPERATION.

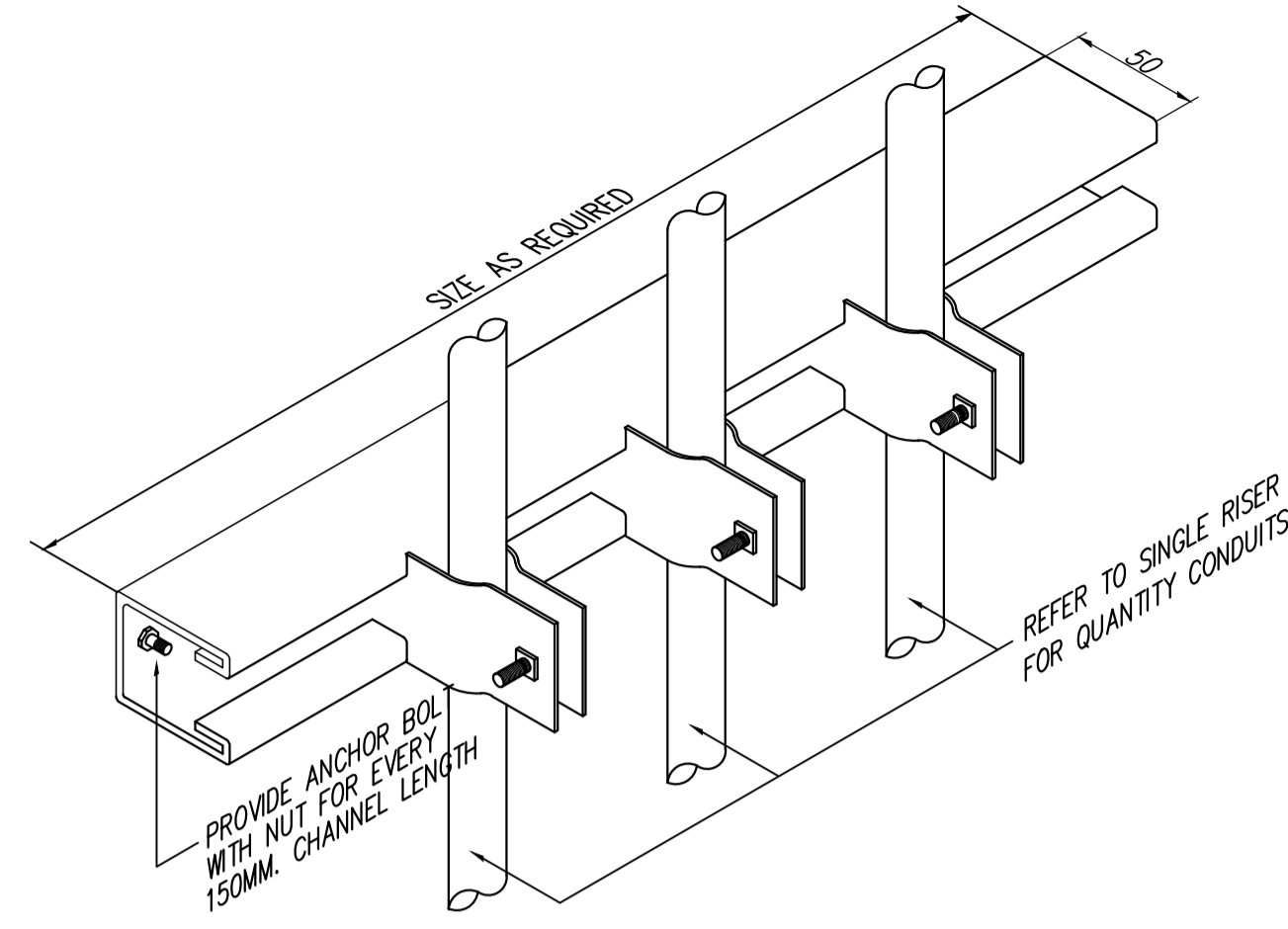
**2 VOLTAGE DROP CALCULATION**  
E-15 SCALE: NTS

<p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p>	DESIGNER: <b>MANUEL V. PANIS</b> PROFESSIONAL ELECTRICAL ENGINEER PRC No. 1210 Validity: 10/13/2023 PTR No. 7731829 Date: 01/04/2021 Place: ANTIPOLO CITY TIN: 132-466-222	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM</b> LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR: <p>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p>	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: <b>SHORT CIRCUIT CALCULATIONS; VOLTAGE DROP CALCULATIONS</b>	SHEET NO.: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <b>E</b> </div> </div>
	<div style="border: 1px solid black; border-radius: 50%; width: 60px; height: 60px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <b>15</b> </div> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <b>17</b> </div> </div>							

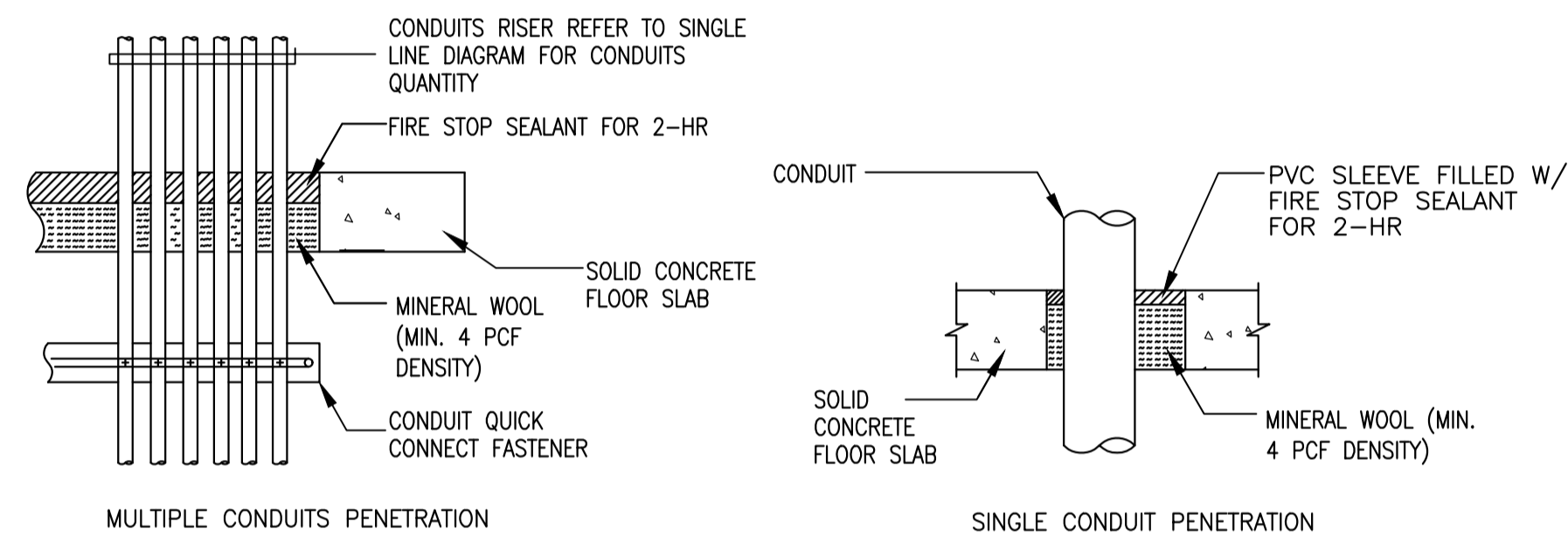




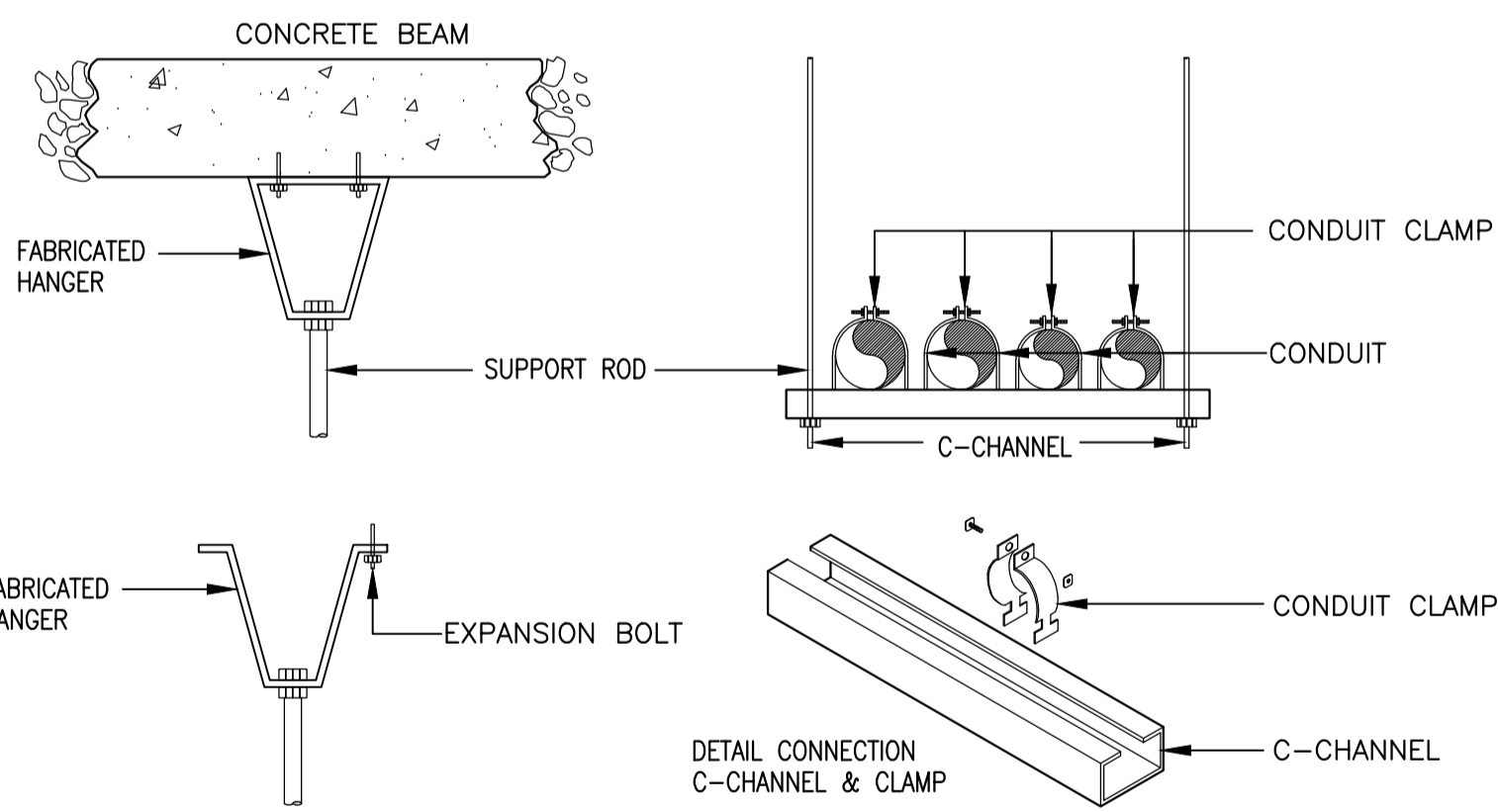
**4** MULTIPLE CONDUIT SUPPORT DETAIL  
E-16 SCALE: NTS



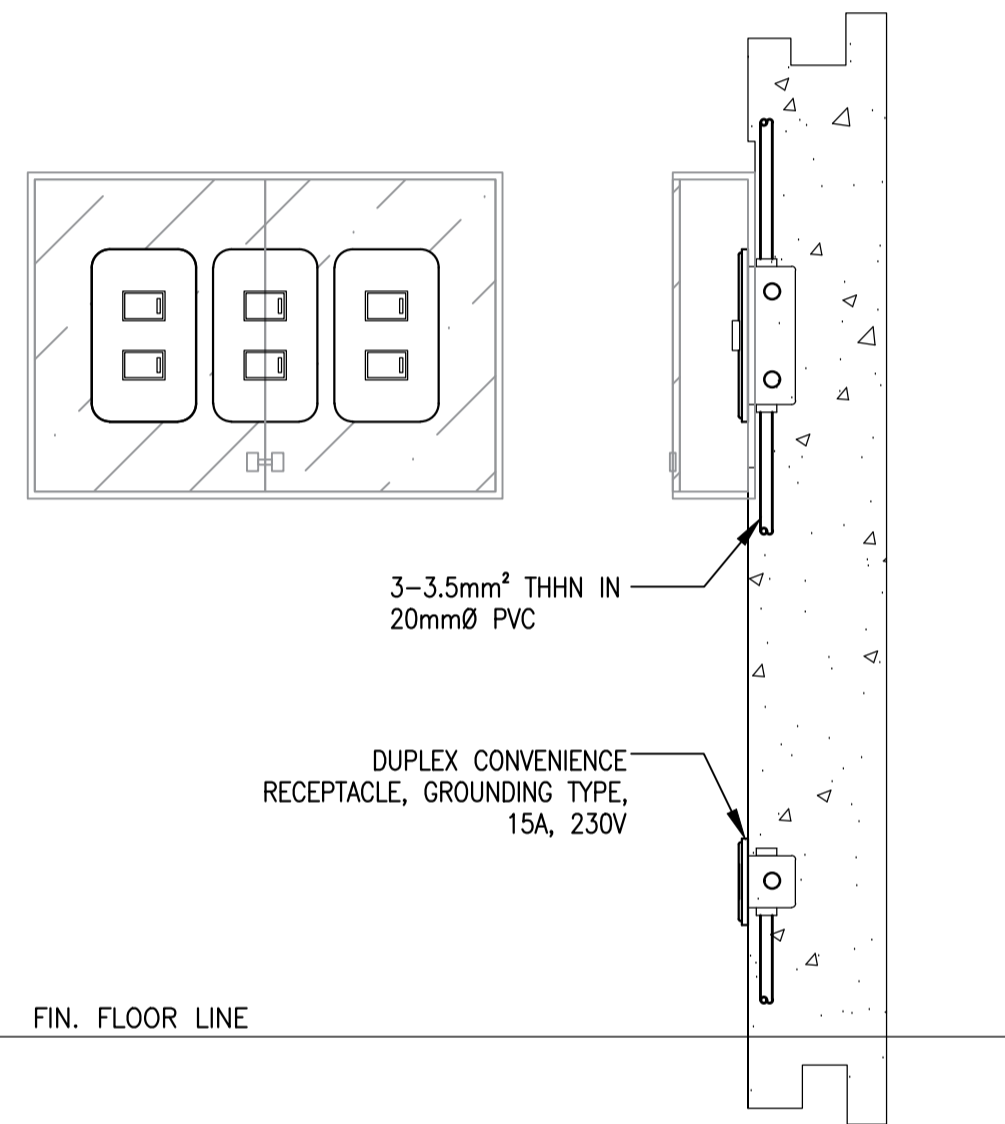
**7** CONDUIT RISER DETAIL  
E-16 SCALE: NTS



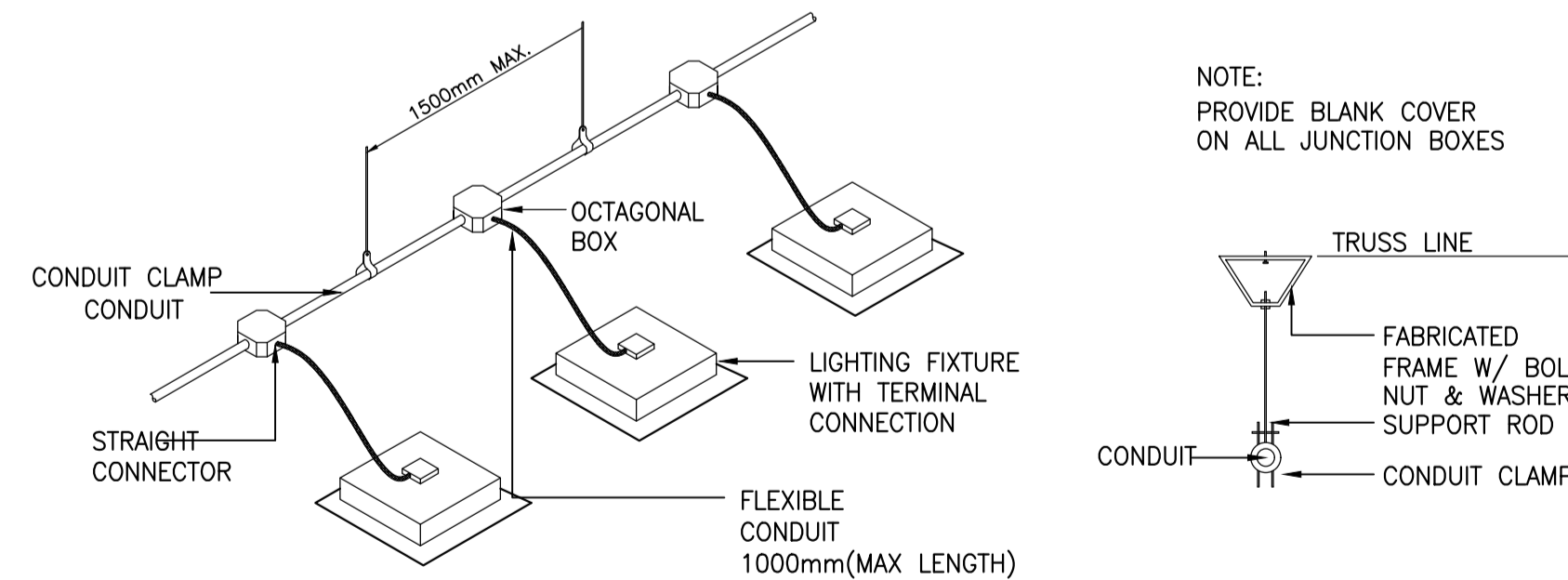
**5** RACEWAY PENETRATIONS WITH FIRESTOP  
E-16 SCALE: NTS



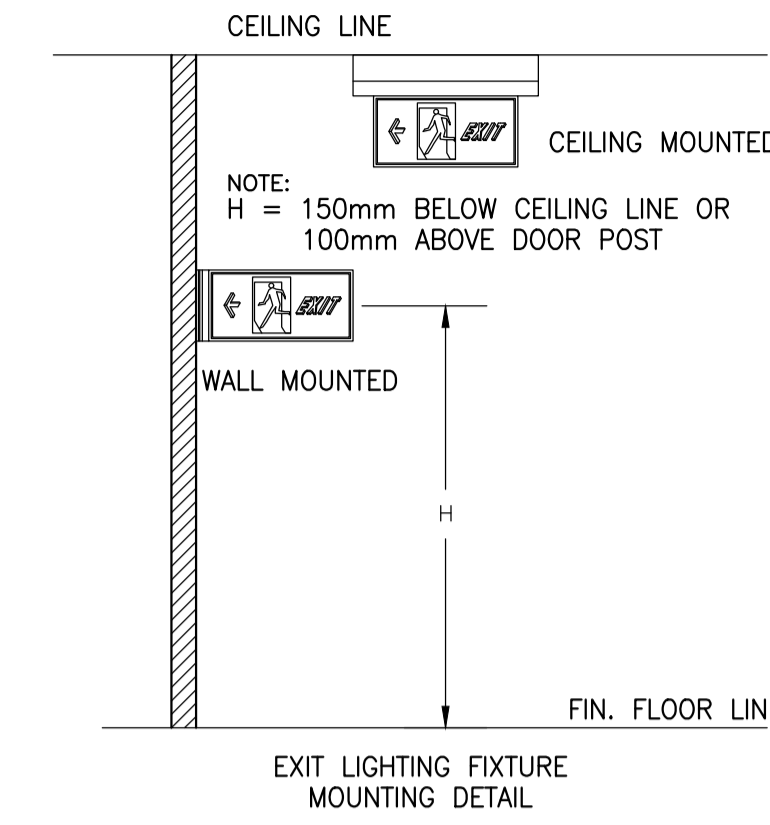
**6** MULTIPLE CONDUIT SUPPORT DETAIL  
E-16 SCALE: NTS



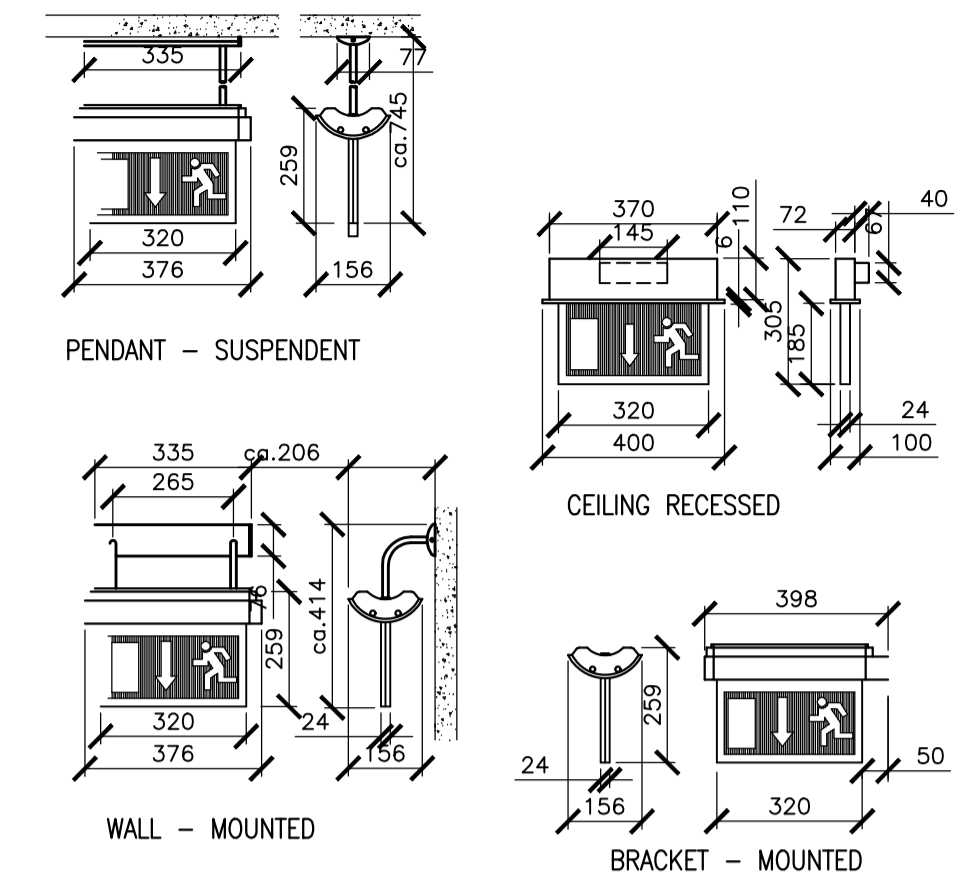
**8** LIGHTING SWITCH AND CONV. OUTLET INSTALLATION DETAIL  
E-16 SCALE: NTS



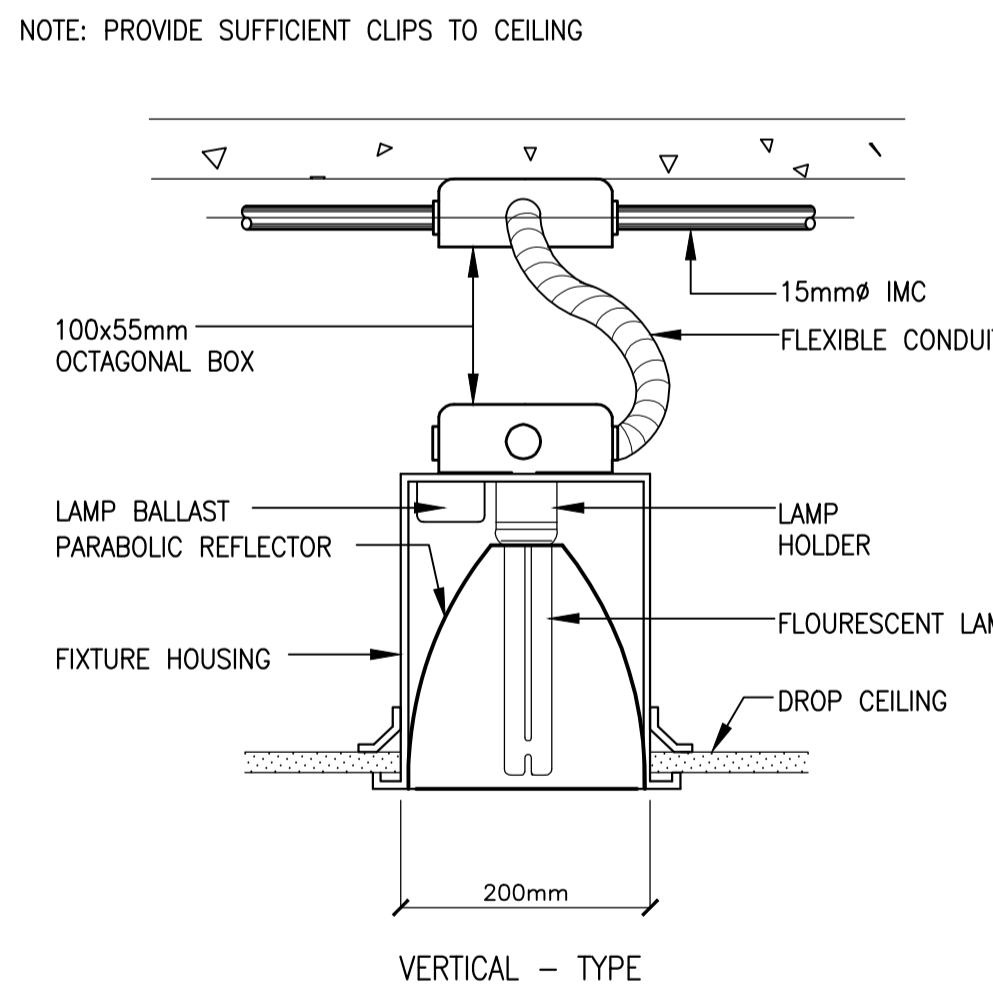
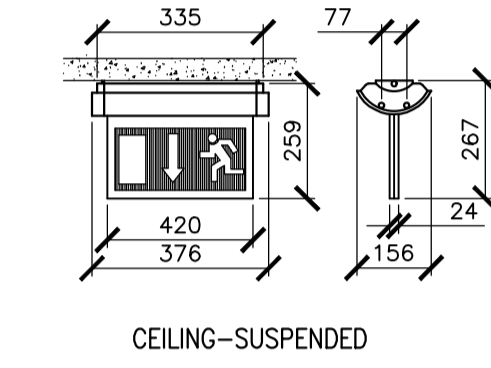
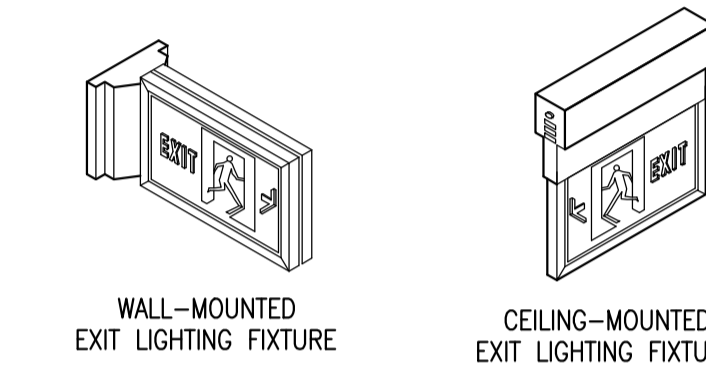
**9** CONDUIT RUN FOR LIGHTING DISTRIBUTION IN ONE CIRCUIT (FOE EXPOSED OF INSIDE DROP-CEILING INSTALLATION)  
E-16 SCALE: NTS



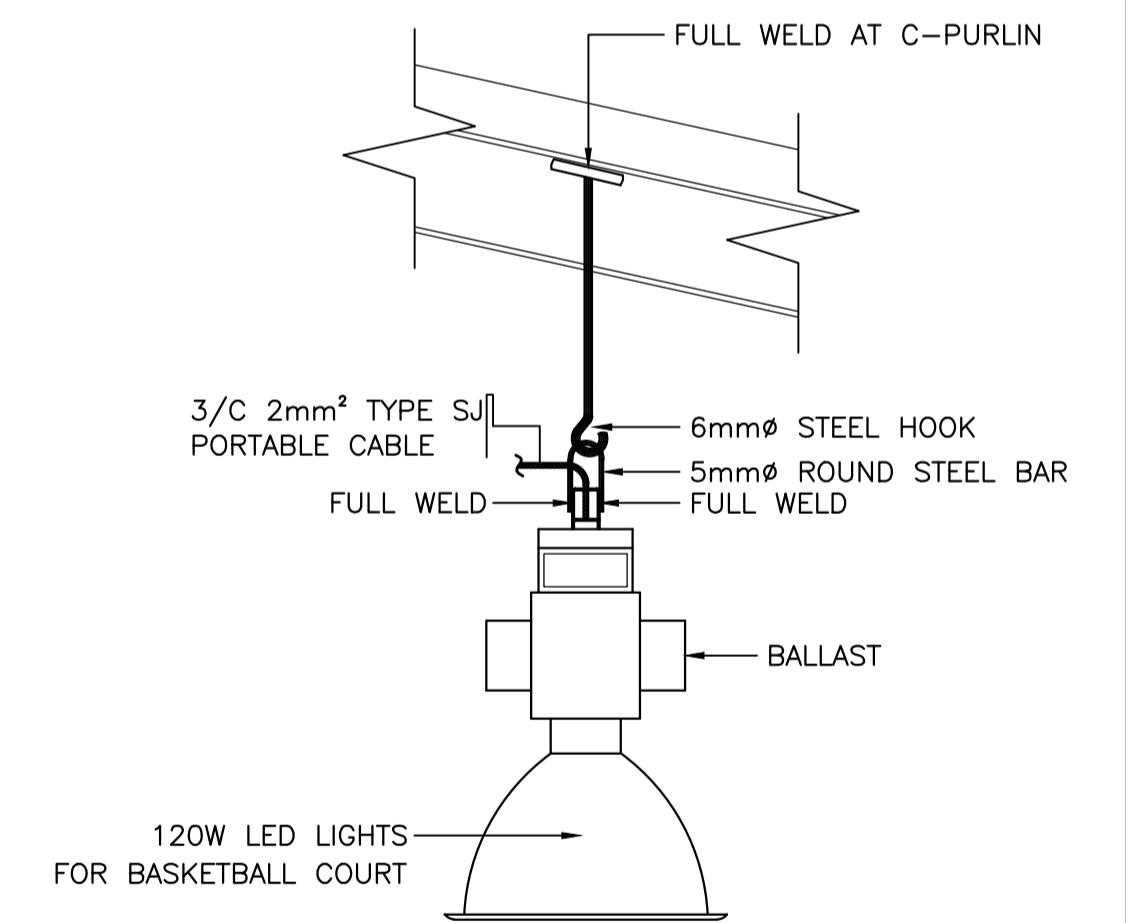
**1** EXIT LIGHTING FIXTURE DETAIL  
E-16 SCALE: NTS



**2** EXIT LIGHT MOUNTING DETAIL  
E-16 SCALE: NTS

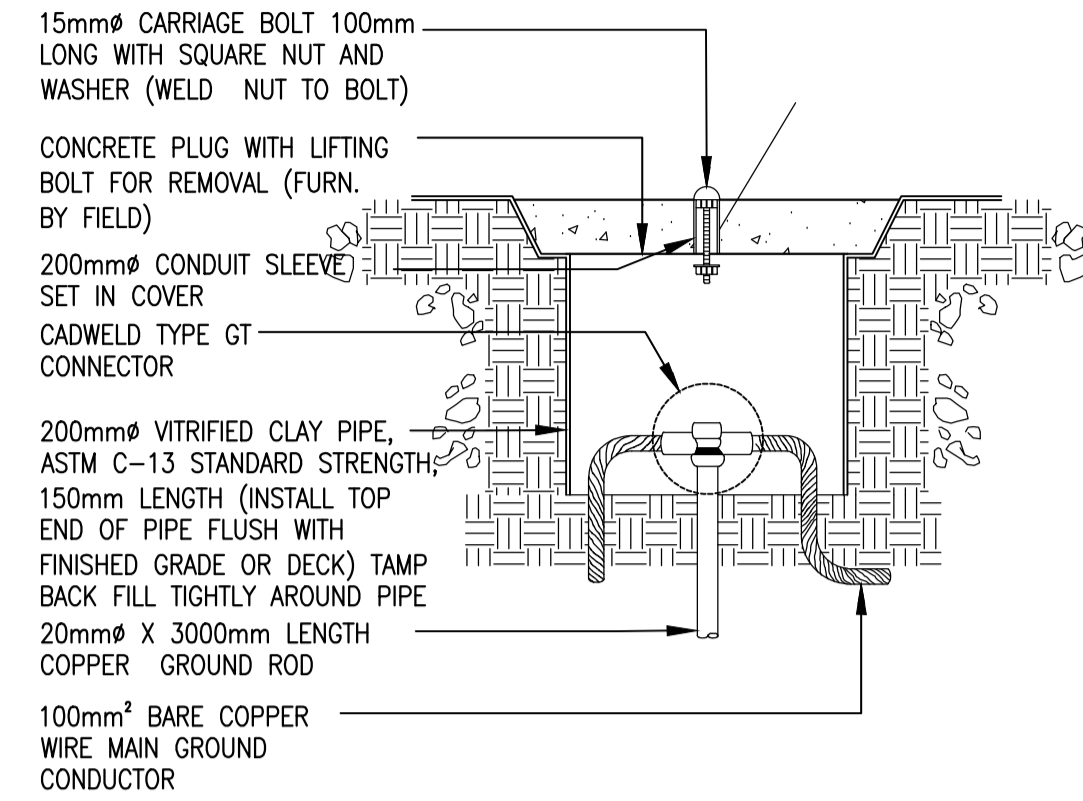


**10** PINLIGHT MOUNTING DETAIL  
E-16 SCALE: NTS

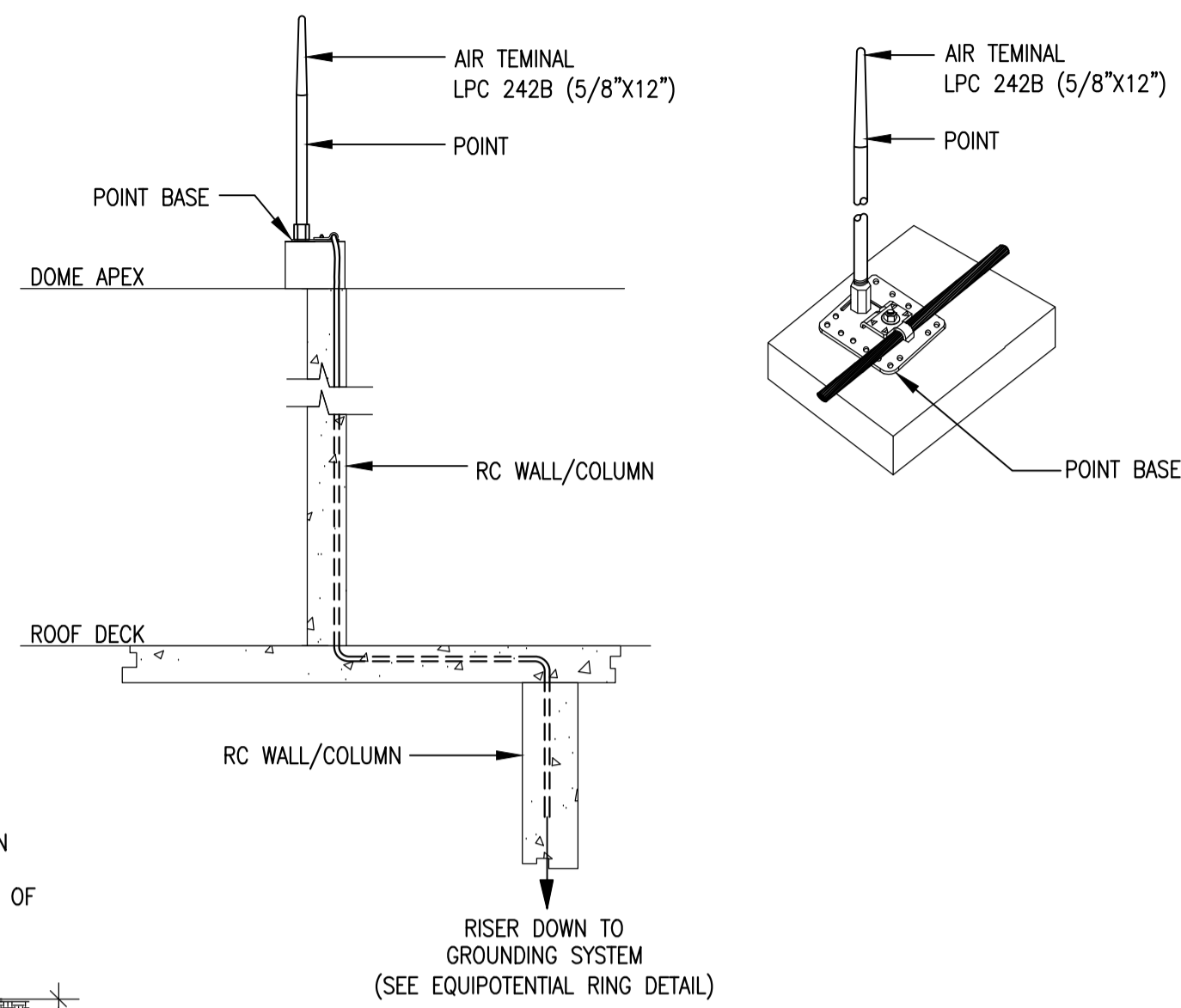


**3** LED HIGBAY LIGHTING FIXTURE MOUNTING DETAIL  
E-16 SCALE: NTS

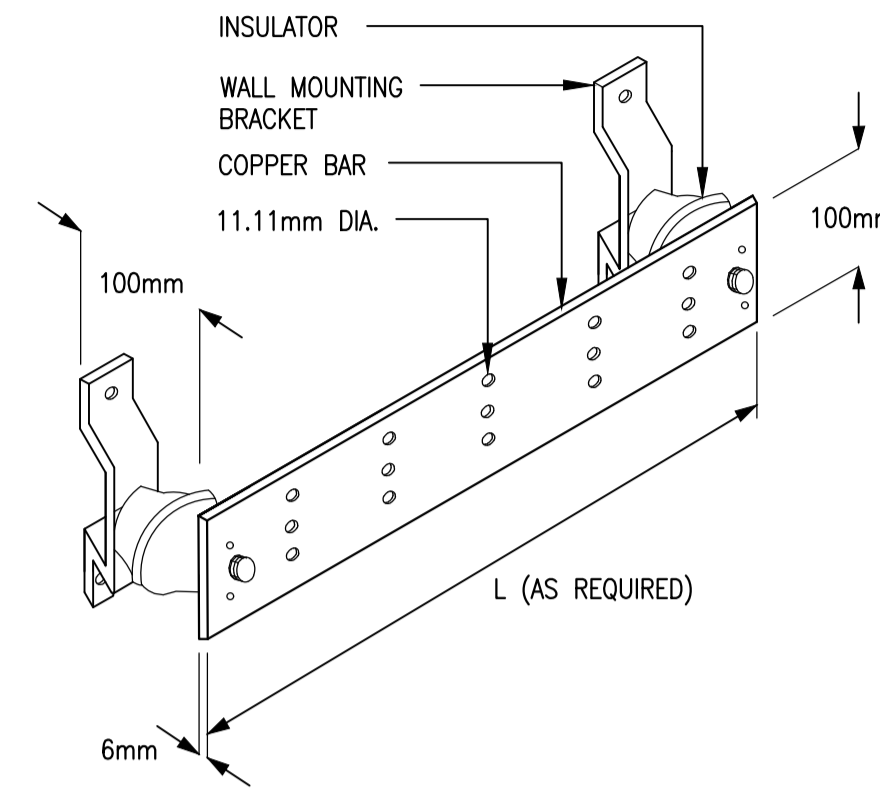




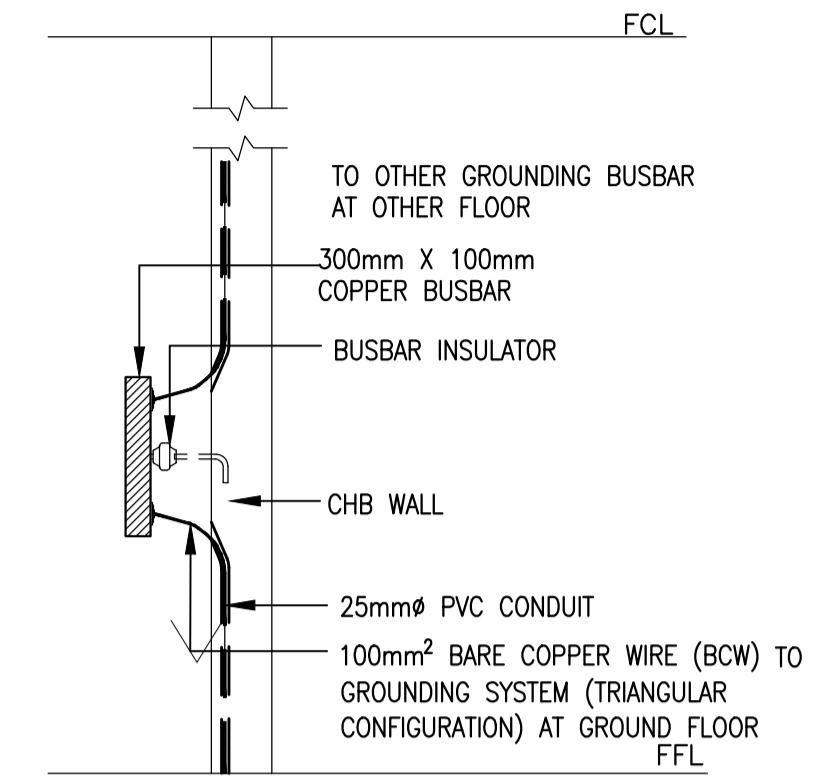
BLOW-UP DETAIL



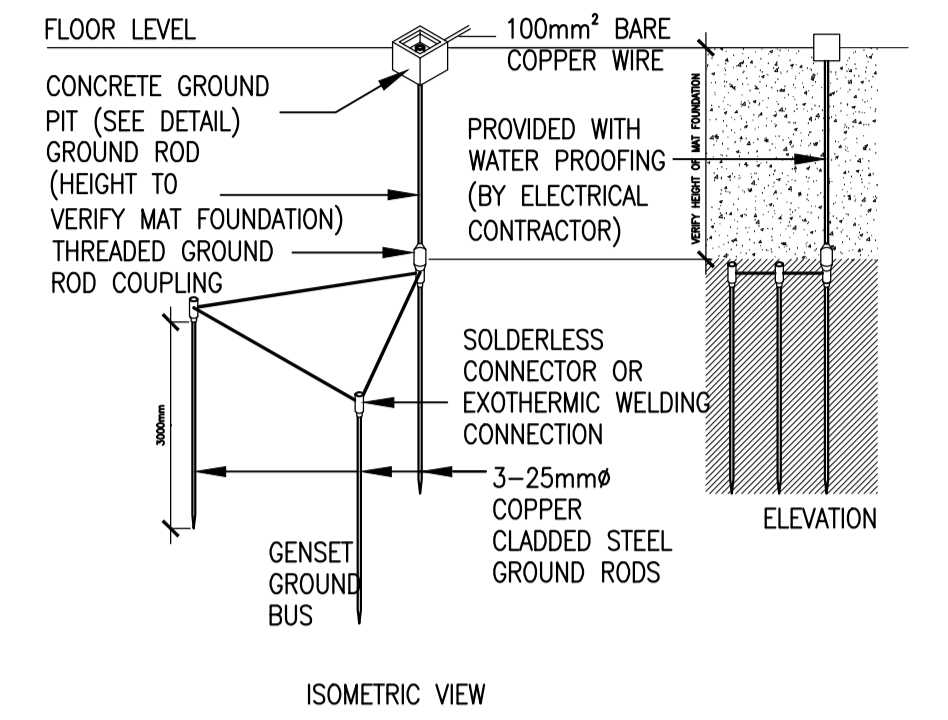
AIR TERMINAL INSTALLATION DETAIL



6 PRE-DRILLED COPPER BUSBAR  
 E-17 SCALE: NTS



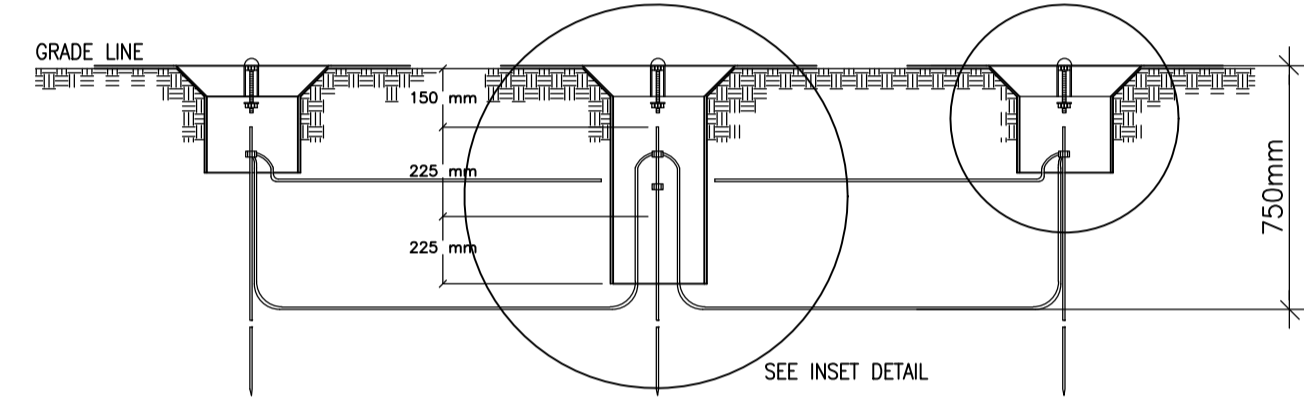
2 MOUNTING DETAIL OF GROUNDING BUSBAR  
 E-17 SCALE: NTS



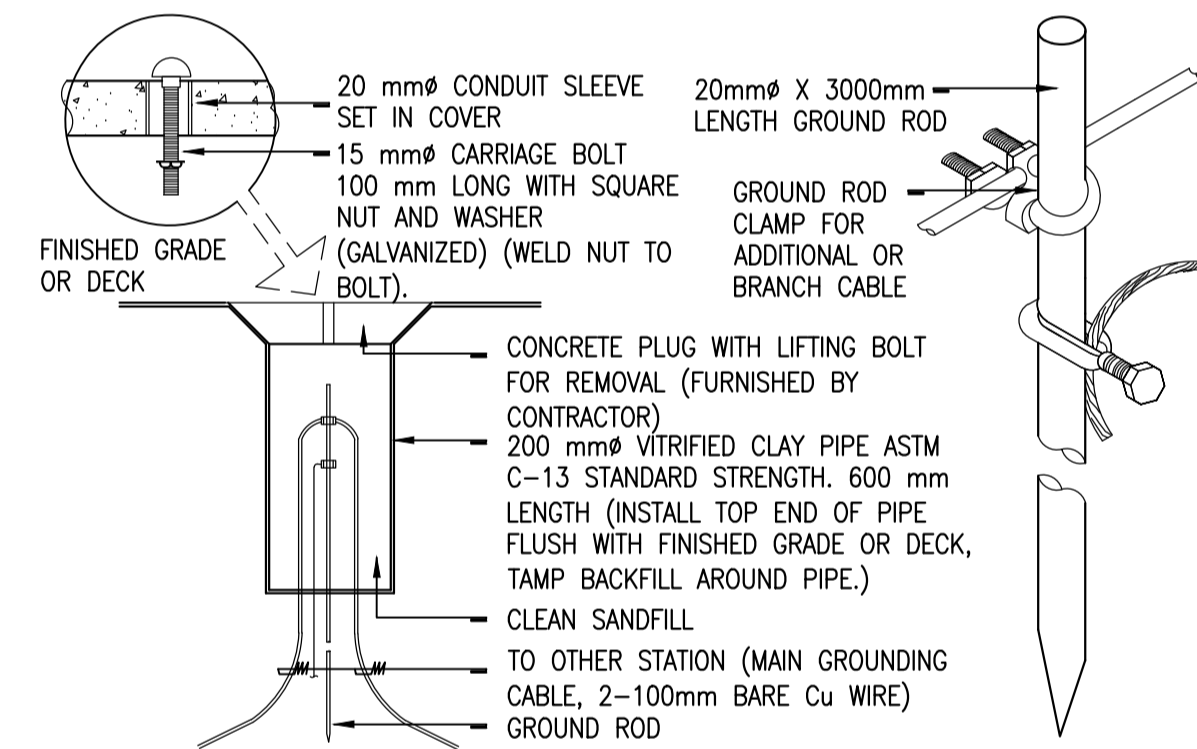
3 DETAILS OF EQUIPOTENTIAL RING  
 E-17 SCALE: NTS

GROUND ROD TEST STATION :

ARRANGED IN A TRIANGULAR PATTERN WITH 3000mm SPACING BETWEEN RODS. TWO OF THE RODS IN THIS GROUP SHALL BE 150mm BELOW GRADE WITH CONNECTING MAIN GROUND CONDUCTOR THERMOWELDED OR BRAZED TO THE ROD. ONE ROD INSTALLED AS A TEST STATION FOR THE GROUP OF THREE.

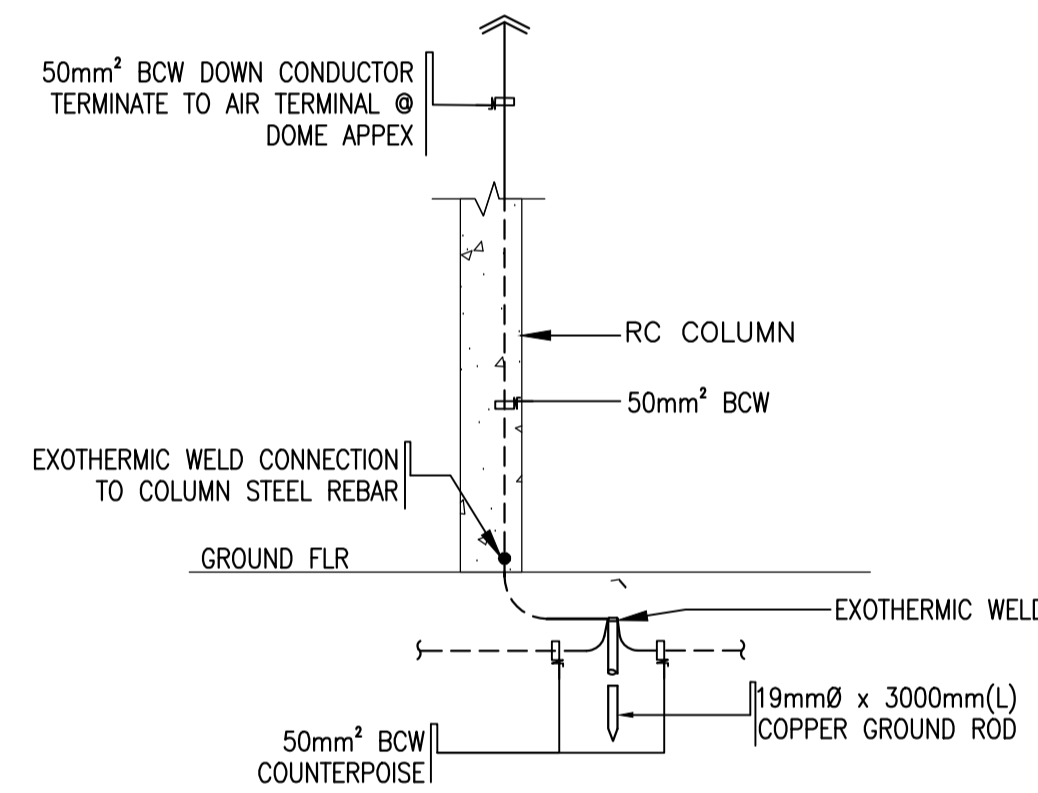


SECTIONAL ELEVATION

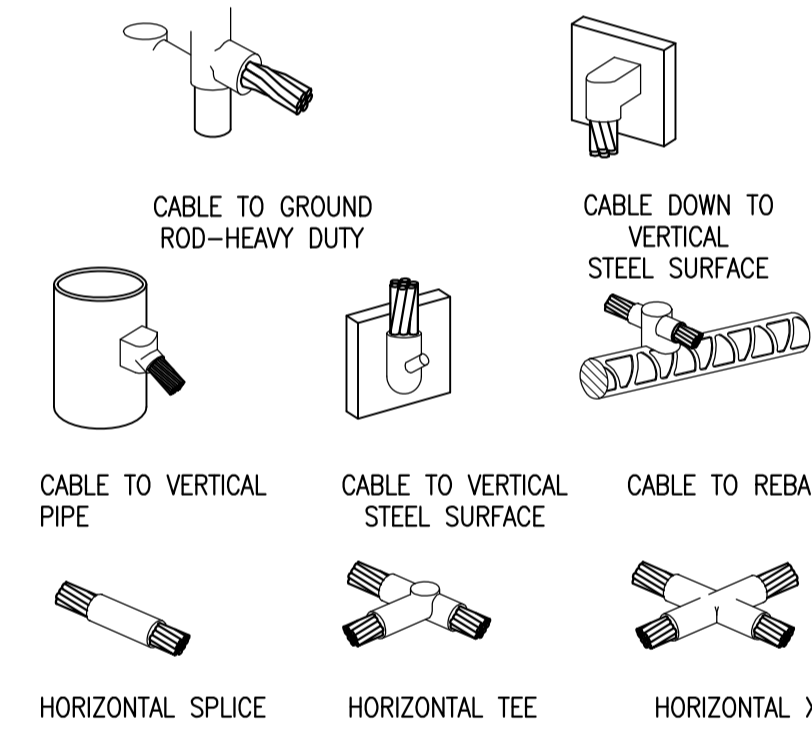


GROUND ROD TEST STATION DETAIL

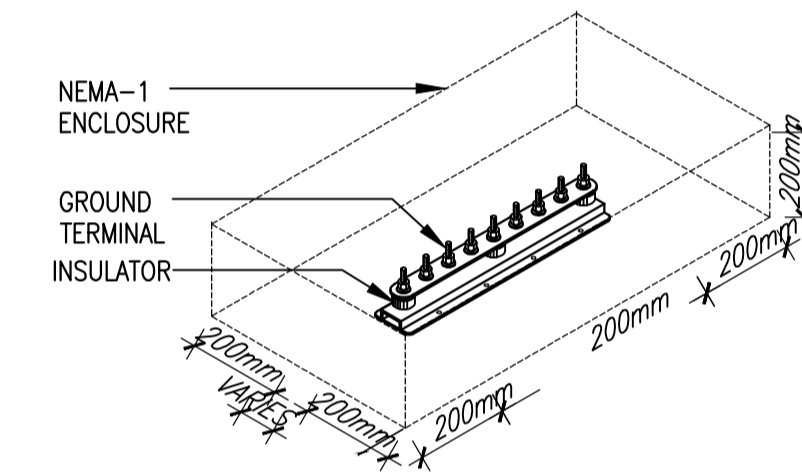
1 GROUNDING AND LIGHTING PROTECTION DETAIL  
 E-17 SCALE: NTS



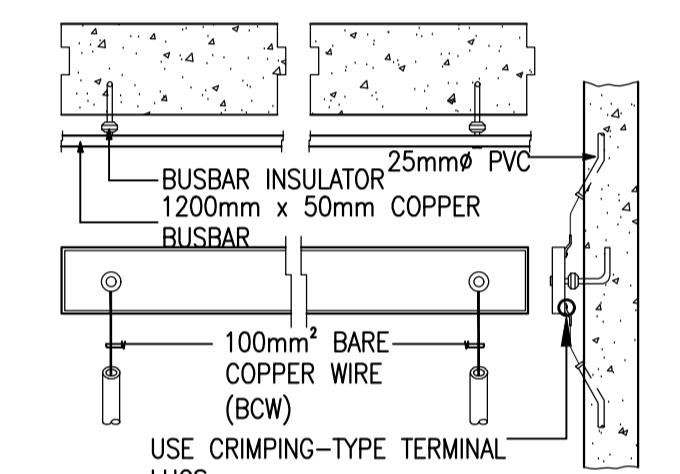
GROUND TERMINAL INSTALLATION DETAIL



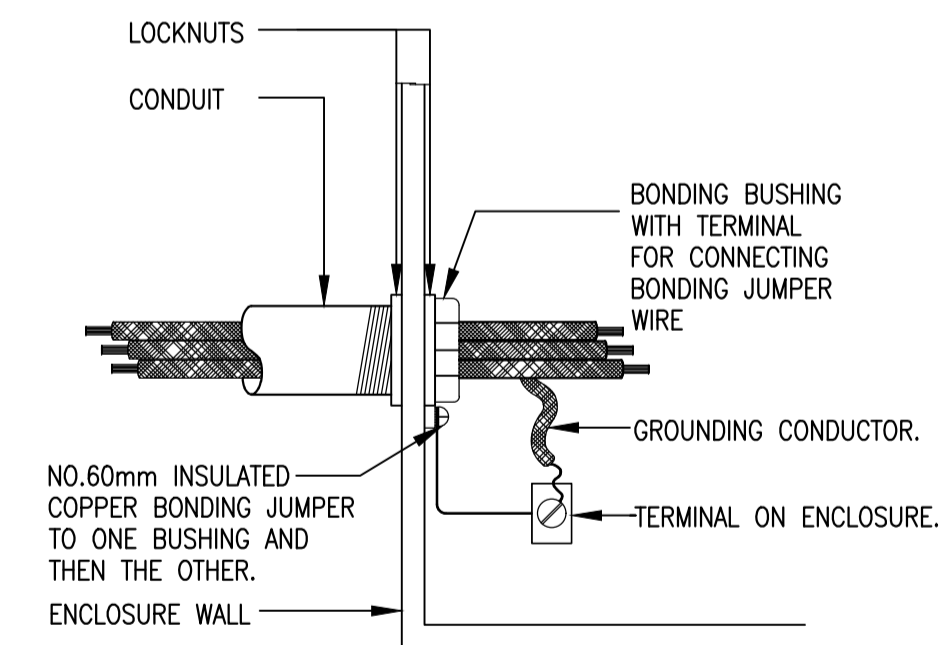
7 TYPICAL EXOTHERMIC CONNECTION (WELD) DETAIL  
 E-17 SCALE: NTS



8 TYPICAL GROUND BUSBAR DETAIL  
 E-17 SCALE: NTS



5 SERVICE BONDING JUMPER & GROUNDING ENCLOSURE DETAIL  
 E-17 SCALE: NTS



NOTE:

BUSHING WITH JUMPER IS ACCEPTABLE BONDING FOR A CLEAN KNOCKOUT OR ONE WITH PUNCH RINGS STILL IN PLACE

4 SERVICE BONDING JUMPER & GROUNDING ENCLOSURE DETAIL  
 E-17 SCALE: NTS

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM NO. 38 XAVIERVILLE  
 AVENUE, LOYOLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

DESIGNER:  
**MANUEL V. PANIS**  
 PROFESSIONAL ELECTRICAL ENGINEER  
 PRC No. 1210 Validity: 10/13/2023  
 PTR No. 7731829 Date: 01/04/2021  
 Place: ANTIPOLO CITY TIN: 132-466-222

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 ACADEMIC BUILDING II  
 MISCELLANEOUS DETAILS

SHEET NO:  
**E**  
 17 17



**TABLE OF CONTENTS:**

SHEET		CONTENT
CODE	#	
PS - 01	01	PROJECT TITLE, TABLE OF CONTENTS, GENERAL PLUMBING & SANITARY NOTES, LOCATION MAP, SITE DEVELOPMENT PLAN
PS - 02	02	PLUMBING & SANITARY SYMBOLS/LEGENDS, PLUMBING & SANITARY ABBREVIATIONS, MATERIAL SPECIFICATIONS
PS - 03	03	SCHEDULE OF PLUMBING & SANITARY EQUIPMENT, MISCELLANEOUS DETAILS
PS - 04	04	WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT BASEMENT & GROUND FLOOR
PS - 05	05	WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT SECOND & THIRD FLOOR
PS - 06	06	WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT - ROOF STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT - BASEMENT
PS - 07	07	STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT GROUND & SECOND FLOOR
PS - 08	08	STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT THIRD & ROOF FLOOR
PS - 09	09	SANITARY SEWER & VENT SYSTEM LAYOUT BASEMENT & GROUND FLOOR
PS - 10	10	SANITARY SEWER & VENT SYSTEM LAYOUT SECOND & THIRD FLOOR
PS - 11	11	SANITARY SEWER & VENT SYSTEM LAYOUT ROOF
PS - 12	12	BLOW UP DETAIL & ISOMETRIC LAYOUT - WATER SUPPLY DISTRIBUTION SYSTEM
PS - 13	13	BLOW UP DETAIL & ISOMETRIC LAYOUT - WATER SUPPLY DISTRIBUTION SYSTEM
PS - 14	14	BLOW UP DETAIL & ISOMETRIC LAYOUT - SANITARY SEWER & VENT SYSTEM
PS - 15	15	BLOW UP DETAIL & ISOMETRIC LAYOUT - SANITARY SEWER & VENT SYSTEM
PS - 16	16	SCHEMATIC RISER DIAGRAM WATER SUPPLY DISTRIBUTION SYSTEM & SANITARY SEWER SYSTEM
PS - 17	17	SCHEMATIC RISER DIAGRAM STORMWATER DRAINAGE SYSTEM (GRID 1 - 4 & 5 - 9)
PS - 18	18	MISCELLANEOUS DETAILS
PS - 19	19	MISCELLANEOUS DETAILS
PS - 20	20	MISCELLANEOUS DETAILS
PS - 21	21	MISCELLANEOUS DETAILS

**GENERAL PLUMBING and SANITARY NOTES:**

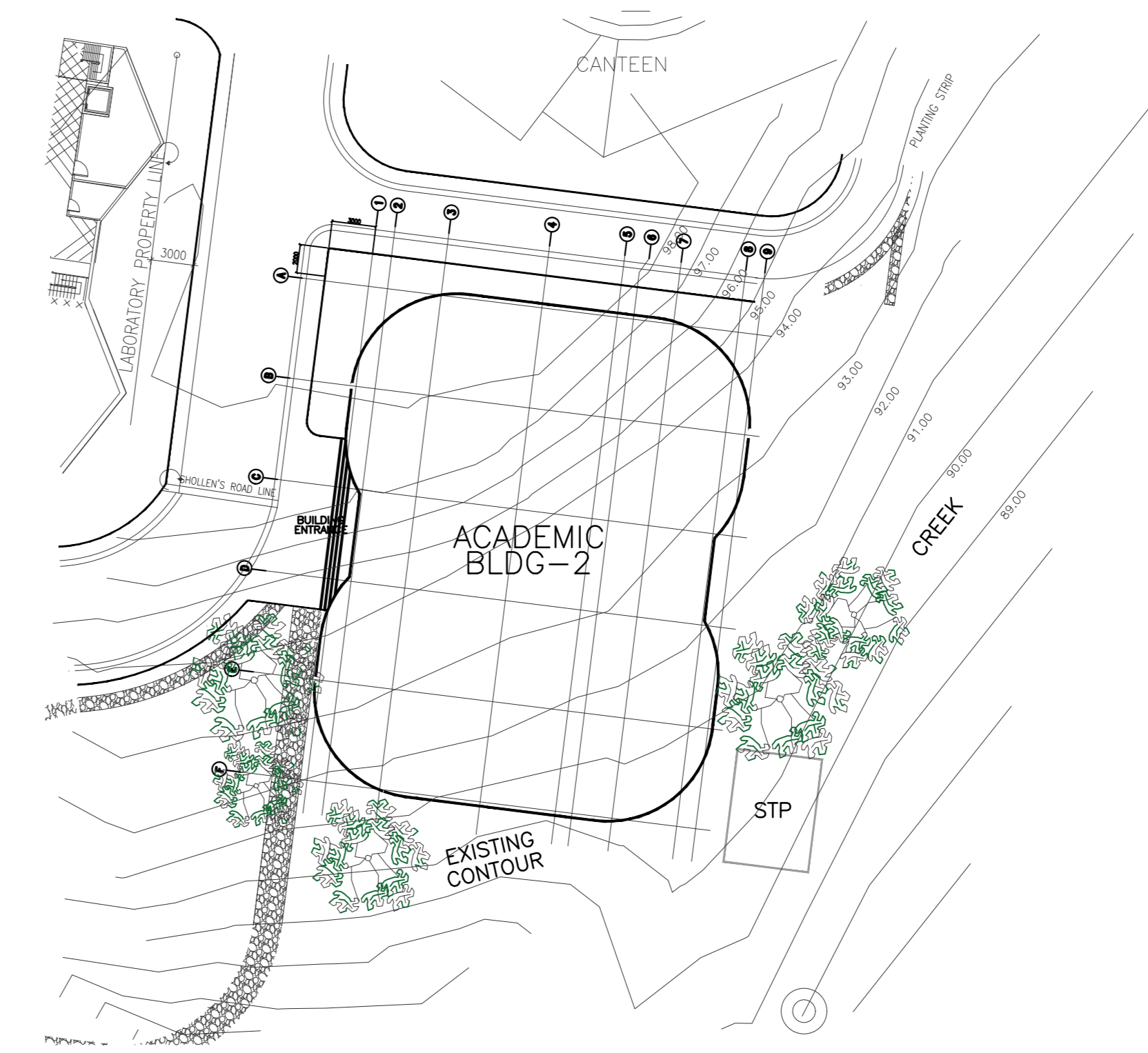
- ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE PROVISIONS OF UNIFORM PLUMBING CODE OF THE PHILIPPINES, THE NATIONAL BUILDING CODE, REVISED PLUMBING CODE OF THE PHILIPPINES & THE RULES & REGULATIONS OF MUNICIPALITY OF ODIONGAN, ROMBLON.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES SUCH AS DISPOSAL POINT FOR SEWAGE EFFLUENT, STORM DRAINAGE AND WATER LINE SERVICE TAPPING POINT.
- COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
- ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATIONS REQUIRED FOR PROPER EXECUTION OF OTHER TRADE SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
- PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE THE NECESSARY EXCAVATIONS, BACKFILLING AND SURFACE RESTORATION OF THE AFFECTED AREAS. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% UNLESS OTHERWISE SPECIFIED.
- SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE W/ THE MANUFACTURER'S INSTRUCTIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT.
- ALL VENT PIPES SHALL BE FREE FROM DROPS OR SAGS AND SHALL BE SLOPE OR GRADED AS TO DRIP BACK BY GRAVITY TO THE DRAINAGE PIPE IT SERVES.
- ALL PIPE SIZES ARE IN EITHER INCHES OR MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ALL PIPES, FITTINGS & APPURTENANCES WHICH WILL PASS THROUGH IN ANY STRUCTURAL COMPONENT SHALL BE FIRST APPROVED BY THE DESIGN STRUCTURAL ENGINEER.
- PROVIDE CLEANOUT FOR EVERY CHANGE IN DIRECTION AND FOR EVERY 15m HORIZONTAL RUN FOR SEWER & DRAINAGE LINE.
- ALL BRANCH VENT PIPES SHALL BE MINIMUM OF 50mmØ UNLESS OTHERWISE SHOWN.
- PIPE HANGER SHALL BE DESIGNED SUCH THAT IT COULD SUPPORT FIVE (5) TIMES THE WEIGHT THE WATER FILLED PIPE PLUS 114kg.
- ALL SEWER PIPES EMBEDDED IN GROUND AND BELOW SLAB-ON-GRADE SHALL BE PROVIDED WITH SAND BEDDING MATERIALS.
- ACCESS OPENING SHALL BE PROVIDED IN THE PIPE SHAFT FOR TESTING, SERVICING AND CLEANING OF PIPES.
- ALL VALVES SHALL BE LOCATED SUCH THAT IT CAN BE READILY ACCESSED BY THE MAINTENANCE PERSONNEL. ACCESS PANEL SHALL BE PROVIDED WHERE NECESSARY SUBJECT TO ENGINEER'S APPROVAL.
- VALVES RATING SHALL MEET OR EXCEED THEIR RESPECTED SYSTEM OPERATING PRESSURE AND TEMPERATURE.
- PIPE SUPPORT, HANGERS AND BRACING SHALL BE OF APPROVED TYPE AND SHALL BE INDEPENDENT FROM CEILING AND DUCT SUPPORT.
- PROVIDE UNION AT EACH THREADED OR WELDED CONNECTION TO EQUIPMENT AND VALVES UP TO 50mm & AT 18.0m (60FT) INTERVAL OR AS SHOWN ON DRAWINGS.
- PROVIDE MINIMUM OF 50mm CLEARANCE AROUND PIPING EXTENDED THROUGH WALLS, FLOORS, PLATFORMS & FOUNDATION, INCLUDING DRAINS & AUXILIARY PIPING.
- MAJOR PLUMBING EQUIPMENT SUCH AS BLADDER TANK, WATER TANK, PUMPS & ITS SYSTEM APPURTENANCES SHALL BE APPROVED FIRST BY THE DESIGN SANITARY ENGINEER THROUGH WRITTEN LETTER BEFORE PURCHASING/INSTALLATION.
- SOME SYMBOLS / LEGENDS ON DRAWING PLANS WERE EXAGGERATED IN SCALED FOR THE PURPOSE OF GRAPHICAL REPRESENTATION, ACTUAL SIZES VARY.
- PROVIDE LABOR & MATERIALS TO DELIVER COMPLETE & PROPERLY FUNCTIONING PLUMBING SYSTEMS.
- COORDINATE PLUMBING WORK WITH SITE CONDITIONS & OTHER TRADE WORKS.
- VERIFY SLOPES & INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF WORK.
- PROVIDE ACCESS PANELS FOR VALVES, WATER HAMMER ARRESTERS & OTHER PLUMBING SPECIALTIES LOCATED INSIDE CHASES, BEHIND WALLS OR ABOVE INACCESSIBLE CEILINGS.
- PROVIDE FLEX PIPING AT STRUCTURAL BUILDING EXPANSION JOINTS (REFER TO STRUCTURAL DRAWINGS)
- PROVIDE FIRE STOPPING FOR PIPING CROSSING FIRE-RATED WALL.
- PROVIDE SEISMIC SEPARATION FOR PIPING CROSSING BUILDING SEISMIC JOINT. (REFER TO STRUCTURAL DRAWINGS)
- PIPING THAT WILL PASS THROUGH STRUCTURAL MEMBERS SUCH AS COLUMN, BEAM, FOUNDATION, SHEARWALL & THE LIKE SHALL ASK FIRST WRITTEN PERMISSION FROM STRUCTURAL DESIGNER.
- NO PIPING OR OTHER PLUMBING EQUIPMENT ARE TO BE INSTALLED OVER OR UNDER ELECTRICAL PANELBOARDS.
- CONTRACTOR RESPONSIBLE FOR ALL REQUIRED TRANSITIONS, OFFSETS MINOR RELOCATIONS AND ALL ASSOCIATED PIPING.
- REROUTE PIPING AS NEARLY AS POSSIBLE TO ROUTES INDICATED ON PLANS. CONTRACTORS IS FREE TO MAKE MINOR CHANGES IN ROUTING TO ACCOMMODATE CHANGES.
- COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS.
- ALL TESTS SHALL BE COMPLETED BEFORE ANY PIPING OR EQUIPMENT IS INSULATED OR CONCEALED.
- WHERE TWO OR MORE PRODUCTS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCTS OF A SINGLE MANUFACTURER SHALL BE USED.
- PROVIDE HIGH POINT VENTS & LOW POINT DRAINS.
- PROVIDE DIELECTRIC CONNECTIONS BETWEEN DISSIMILAR MATERIALS.
- UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT AND IN BYPASSES TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
- WATER HAMMER ARRESTORS SHALL BE INSTALLED AT FLUSH VALVE-OPERATED FIXTURES, SOLENOID VALVES & ANY OTHER QUICK CLOSING VALVES TO MINIMIZE NOISE. ARRESTORS SHALL BE INSTALLED WITH PROPER ACCESS PANELS. AIR CHAMBERS SHALL NOT BE PERMITTED.
- FLASH & COUNTER-FLASH ROOF PENETRATIONS FOR PIPING.
- PIPE SHOULD BE OFFSET TO AVOID CONTACT WITH FOOTINGS & FOUNDATION WALLS. IF PIPING MUST RUN UNDERNEATH A FOOTING OR THROUGH A FOUNDATION WALL, THE PIPE MUST BE INSTALLED WITH A RELIEVING ARCH OR IN A PIPE SLEEVE.
- ALL PIPES BURIED UNDERGROUND SHALL BE PROVIDED WITH LINE MARKERS.
- WATER HEATER SHALL BE FILLED WITH WATER & PURGED AS SOON AS INSTALLED OR IN NO EVENT THAN GAS/ELECTRIC HOOK-UP.
- VACUUM BREAKERS SHALL BE PROVIDED FOR ALL FIXTURES TO WHICH HOSES MAY BE ATTACHED. VACUUM BREAKERS SHALL BE PERMANENTLY ATTACHED.
- PROVIDE PRESSURE REDUCING VALVE IF INCOMING WATER PRESSURE EXCEEDS 80 PSI.
- NO INSULATION PERMITTED ON BACKFLOW PREVENTOR ASSEMBLY.
- REFLECTED GATE VALVE IN TOILETS ARE FOR ISOLATION FOR MORE THAN ONE FIXTURE IN A BRANCH. SINGLE PLUMBING FIXTURE IN A BRANCH OR ROOM IS CONSIDERED TO HAVE GATE VALVE AT THE FIXTURE BRANCH W/O THE NEED OF INDICATING ON PLAN.
- DOWNSPOUT EXACT LOCATION WHETHER INTERIOR OF EXTERIOR OF WALL OR COLUMN IS SUBJECT TO APPROVAL OF ARCHITECT OF RECORD.

01  
PS - 01

**PROPOSED ACADEMIC BUILDING II  
DEPARTMENT OF SCIENCE & TECHNOLOGY  
LOCATION MAP**

SCALE:

NTS



02  
PS - 01

**PROPOSED ACADEMIC BUILDING II  
DEPARTMENT OF SCIENCE & TECHNOLOGY  
SITE DEVELOPMENT PLAN**

SCALE:

NTS

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVE., LOYOLA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 30244  
FAX NOS: 927 6608;  
426 7214

IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:  
**VICTORIA ADEDECER**  
SANITARY ENGINEER

PRC No.: 0001927 PTR No.: 4580635  
PRC Validty: March 23, 2024 PTR Date: January 07, 2021  
TN No.: 108-318-662 PTR Place: Pasay City

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
TABLE OF CONTENTS  
GENERAL PLUMBING & SANITARY NOTES  
LOCATION MAP  
SITE DEVELOPMENT PLAN

SHEET NO:  
**PS  
01 21**



**PLUMBING and SANITARY SYMBOLS/LEGENDS:**

SYMBOL	ABBREVIATION	DESCRIPTIONS
<b>PLUMBING FIXTURES</b>		
	B	BIDET
	B / C / HB	BIBB / COCK / HOSE BIBB
	DF	DRINKING FOUNTAIN
	F	FAUCET
	FD / SD	FLOOR DRAIN / SHOWER DRAIN
	GT	GREASE TRAP
	LAV	LAVATORY
	KS / PS / SK	KITCHEN SINK / PANTRY SINK / SINK
	SS / MS	SERVICE SINK / SLOP SINK / MOP SINK
	SHO	SHOWER
	UR (FV)	URINAL (FLUSHOMETER VALVE)
	UR	URINAL
	WC (FV)	WATER CLOSET (FLUSHOMETER VALVE)
	WC (FT)	WATER CLOSET (FLUSH TANK)
	WH (SP)	WATER HEATER (SINGLE-POINT)
	WH (MP)	WATER HEATER (MULTI-POINT)
<b>WATER SUPPLY SYSTEM</b>		
	AC	AIR CHAMBER
	BV	BALL VALVE
	BAV	BALANCING VALVE
	CV	CHECK VALVE
	CWL/NP	COLD WATER LINE (NON-POTABLE)
	CWR/NP-P	COLD WATER RISER - PRESSURIZED (NON-POTABLE)
	CWDF/NP-G	COLD WATER DOWNFEED - GRAVITY (NON-POTABLE)
	CWDF/NP-P	COLD WATER DOWNFEED - PRESSURIZED (NON-POTABLE)
	CWL/P	COLD WATER LINE (POTABLE)
	CWR/P-P	COLD WATER RISER - PRESSURIZED (POTABLE)
	CWDF/P-G	COLD WATER DOWNFEED - GRAVITY (POTABLE)
	CWDF/P-P	COLD WATER DOWNFEED - PRESSURIZED (POTABLE)
	FC	FLEXIBLE CONNECTOR
	FV	FLOAT VALVE
	FTV	FOOT VALVE
	GV	GATE VALVE
	GLV	GLOBE VALVE
	HWL	HOT WATER LINE
	HWR	HOT WATER RETURN
	NCGV	NORMALLY-CLOSED GATE VALVE
	PRV	PRESSURE REGULATING/REDUCING VALVE
	SAV	SURGE ANTICIPATING VALVE
	UP	UNION PATENT
	WHA	WATER HAMMER ARRESTOR
	WL	WATER LEVEL
	WM	WATER METER
	YS	Y-STRAINER
<b>SANITARY SEWER SYSTEM / WASTE SYSTEM</b>		
	P	P-TRAP
	SJB	SEWER JUNCTION BOX
	SMH	SEWER MANHOLE
	SP	SOIL PIPE
	SS	SOIL STACK
	SAF	SOVENT AERATOR FITTING
	VP	VENT PIPE
	VS	VENT STACK
	VSTR/SVTR	VENT STACK THRU ROOF / STACK VENT THRU ROOF
	VSTW	VENT STACK THRU WALL
	WP	WASTE PIPE
	WS	WASTE STACK
<b>STORMWATER DRAINAGE SYSTEM</b>		
	CDP-I	CONDENSATE DRAIN PIPE (w/ INSULATION)
	CDS-I	CONDENSATE DRAIN STACK (w/ INSULATION)
	AD / PD / YD	AREA DRAIN / PARKING DRAIN / YARD DRAIN
	BD / CD	BALCONY DRAIN / GANGWAY DRAIN
	DD / GD / TD	DECK DRAIN / GUTTER DRAIN / TRENCH DRAIN
	CB	CATCH BASIN
	DMH	DRAIN MANHOLE
	DP	DRAIN PIPE
	DS	DOWNSPOUT
	PDP	PERFORATED DRAIN PIPE
	PBD	PLANTER'S BOX DRAIN
	SRD	SIPHONIC ROOF DRAIN
<b>COMMON</b>		
	CMH	CEILING MANHOLE
	CCO / WCO	CEILING / WALL CLEANOUT
	FCO	FLOOR CLEANOUT
	COTG	CLEANOUT TO GRADE
	DIA	DIAMETER
	SO-C	STUB-OUT / CAP
	SO-P	STUB-OUT / PLUG
<b>OTHERS</b>		
	45° OFFSET	45° OFFSET
	CROSSOVER	CROSSOVER
	ELBOW	ELBOW
	ELBOW UP	REDUCER/INCREASER CONCENTRIC
	ELBOW DOWN	REDUCER/INCREASER ECCENTRIC
	EXPANSION JOINT	EXPANSION JOINT
	FLANGE JOINT	FLANGE JOINT
	FLOW DIRECTION	FLOW DIRECTION
	PIPE CUT	PIPE CUT

NOTE: NOT ALL ABBREVIATIONS and SYMBOLS SHOWN HEREIN ARE UTILIZED

**PLUMBING and SANITARY ABBREVIATIONS:**

ABBREVIATION	DESCRIPTIONS	ABBREVIATION	DESCR
&	AND	MAX	MAXIMUM
(a/s)	ABOVE SLAB	MECH.	MECHANICAL
(c/c)	ABOVE CEILING LEVEL	MH	MANHOLE
(u/f)	UNDER FLOOR	MIN	MINIMUM
(u/g)	UNDERGROUND	M/L	MID LEVEL
(u/s)	UNDERSLAB	MM / mm	MILLIMETER
(w/a)	WALL ATTACHED	MS	MOP SINK
(w/s)	WITHIN WALL (EMBEDDED)	MTD	MOUNTED
<b>A</b>		<b>N</b>	
AV	AIR ADMITTANCE VALVE	N/A	NOT APPLICABLE
ABV	ABOVE	NC	NORMALLY CLOSED
ACU	AIR CONDITIONING UNIT	NO	NORMALLY OPEN
AFL	ABOVE FINISHED FLOOR	NO.	NUMBER
AFG	ABOVE FINISHED GRADE	NOM	NOMINAL
AP	ACCESS PANEL	NTS	NOT TO SCALE
ARCH / ARCH'L	ARCHITECT / ARCHITECTURAL	<b>O</b>	
AV	AIR VENT	OC	ON CENTER
<b>B</b>		OD #	OUTSIDE DIAMETER
BEL	BELOW	OCFI	OWNER FURNISHED CONTRACTOR INSTALLED
BFF	BELOW FINISHED FLOOR	OFD	OVERFLOW DRAIN
BFP	BACKFLOW PREVENTOR	OH	OVERHEAD
BLDG	BUILDING	O/S	OFFSET
BOP	BOTTOM OF PIPE	OW	OIL WASTE
BV	BALL VALVE	<b>P</b>	
BW	BACK WATER VALVE	P	PUMP
<b>C</b>		P&S	PLUMBING & SANITARY
CAP	CAPACITY	PG/PGS	PAGE/PAGES
CAF	CONDENSATE DRAIN FUNNEL	PH	PHASE
CAF	CAP FOR FUTURE	PID	PROCESS, INSTRUMENTATION & DIAGRAM
CI	CAST IRON	PLBG	PLUMBING
CM	CURB INLET MANHOLE	PN	NOMINAL PRESSURE
CLG	CEILING	POC	POINT OF CONNECTION
CONT'N	CONTINUATION	POD	POINT OF DISCONNECT
CP	CIRCULATING PUMP	PP	POLYPROPYLENE
CU	CONDENSATE UNIT	PPR-C	POLYPROPYLENE RANDOM COPOLYMER
CUM.	CUBIC METER	PS	PRESSURE SWITCH
C/W	COMPLETE WITH	PSI	POUNDS PER SQUARE INCHES
<b>D</b>		PSIA	PSI ABSOLUTE
DVA	DOUBLE CHECK VALVE ASSEMBLY	PSIG	PSI GAUGE
DA #	DIAMETER	PVC	POLYVINYL CHLORIDE
DGI	DRAINAGE GRATE INLET	<b>Q</b>	
DN #	NOMINAL DIAMETER	QCV	QUICK COUPLING VALVE
DN	DOWN	QTY	QUANTITY
DSN	DOWNSPOUT NOZZLE	<b>R</b>	
<b>E</b>		RC	REINFORCED CONCRETE
EA	EA	RPCP	REINFORCED CONCRETE PIPE CULVERT
ECC	ECCENTRIC	REQD	REQUIRED
EL	ELEVATION	RPM	REVOLUTION PER MINUTE
ELECT	ELECTRICAL	RM	ROOM
EQUIP	EQUIPMENT	RSB	REINFORCING STEEL BAR
ET	EXPANSION TANK	<b>S</b>	
EWS	EMERGENCY SHOWER & EYE WASH	S	SANITARY SEWER
EXT	EXTERNAL	SCH	THICK
<b>F</b>		SDR	STANDARD DIAMETER RATIO
F/A	FROM ABOVE	SE	SEWAGE INJECTOR
FC	FLEXIBLE CONNECTION	SHT	SHEET
FCW	FILTER COLD WATER	SIM	SIMILAR
FFE	FINISHED FLOOR ELEVATION	SP	SUMP PUMP
FGE	FINISHED GRADE ELEVATION	SPEC	SPECIFICATION
FIN	FINISH	SQ	SQUARE
FLR	FLOOR	SS	STAINLESS STEEL
FS	FLOOR SWITCH	STRUCT.	STRUCTURAL
FT (*)	FEET / FOOT	SUSP	SUSPENDED
FV	FLUSH VALVE	SYM	SYMBOL
<b>G</b>		<b>T</b>	
GAL	GALLON	T/A	TO ABOVE
GEN	GENERAL	T/B	TO BELOW
GENCON	GENERAL CONTRACTOR	TDH	TOTAL DYNAMIC HEAD
GI	GALVANIZED IRON	TEMP	TEMPERATURE
GL	GRID LINE	THK	THICK
GPM	GALLONS PER MIN	TOP	TOP OF PIPE
GRD	GROUND	TP	TRANSFER PUMP
<b>H</b>		TPr	TRAP PRIMER
h	HEIGHT	TS	TECHNICAL SPECIFICATIONS
HD	HEAD	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	<b>U</b>	
H/L	HIGH LEVEL	UL	UNDERWRITERS LABORATORY
HP	HORSEPOWER	UNO	UNLESS NOTED OTHERWISE
HZ	HERTZ	<b>V</b>	
<b>I</b>		V	VOLT
ID #	INSIDE DIAMETER	VEL	VELOCITY
IE	INVERT ELEVATION	VERT	VERTICAL
IN (*)	INCHES	VLV	VALVE
<b>K</b>		<b>W</b>	
KG	KILOGRAM	W	WASTE
KW	KILOWATT	w	WIDTH
<b>L</b>		WAP	WALL ACCESS PANEL
l	LENGTH	W/	WITH
L	LITER	W/OUT	WITHOUT
LBS	POUNDS	WHA	WATER HAMMER ARRESTOR
L/L	LOW LEVEL	WM	WATER METER
LOC	LOCATION	WT	WEIGHT
LPS	LITER PER SECOND	Ww	WASTEWATER DEPTH
<b>M</b>		WW	WASTEWATER LEVEL
M / m	METER		

**MATERIAL SPECIFICATIONS:**

**PIPES, FITTINGS and APPURTENANCES (BASIS OF DESIGN)**

COMPONENT	LOCATION / PART	MATERIAL	REFERENCE STANDARDS	CONNECTION TYPE	BRAND / MANUFACTURER	REMARKS
<b>WATER DISTRIBUTION (POTABLE &amp; NON-POTABLE)</b>	OUTSIDE / EXTERIOR / EXPOSED (SERVICE MAIN TO CISTERN, TO RISERS, AND EXPOSED PART OF DOWNFEED)	GI PIPE SCH. 40	ASTM A-120-89 ASTM 197/A, 197M-87 (JOINTS) ASTM A-53 ASTM 197/A, 197M-87 (JOINTS)	≤ 80ID IS THREADED / SCREWED ≥ 63ID IS FLANGED	"SUPREME", "APO" OR APPROVED EQUAL	IF BURIED UNDERGROUND, SHALL BE WRAPPED OF BURLAP PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
	ROUGHING-INS / INTERIOR (MAIN INTERIOR DOWNFEED, BRANCHES FROM RISERS TO PLUMBING FIXTURES)	POLYPROPYLENE RANDOM COPOLYMER PN 16 (PPRC PN16)	ASTM 1281-93 DIN 8077/8078/16962/1988/2999 ISO 15874 BS 6920/3457, BS EN 1982/12163	FUSION WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ OUTSIDE DIMENSION
<b>SANITARY SEWER</b>	UNDERGROUND (CONCRETE OR SOIL GROUND)	POLYPROPYLENE RANDOM COPOLYMER PN 16 (PPRC PN16)	ASTM 1281-93 DIN 8077/8078/16962/1988/2999 ISO 15874 BS 6920/3457, BS EN 1982/12163	FUSION WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ OUTSIDE DIMENSION
	STACKS, MAIN COLLECTORS BUILDING SEWER	UNPLASTICISED POLYVINYL CHLORIDE S1000 (PVC S1000)	ASTM-D1784/D1785/D2665/D2729 ASTM-D3311 / F1866 PNS 1950:2003	SOLVENT WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
<b>WASTE / GREASE LINE</b>	STACKS, MAIN COLLECTORS LATERALS, BRANCHES	UNPLASTICISED POLYVINYL CHLORIDE S1000 (PVC S1000)	ASTM-D1784/D1785/D2665/D2729 ASTM-D3311 / F1866 PNS 1950:2003	SOLVENT WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
	BUILDING SEWER	UNPLASTICISED POLYVINYL CHLORIDE S1000 (PVC S1000)	ASTM-D1784/D1785/D2665/D2729 ASTM-D3311 / F1866 PNS 1950:2003	SOLVENT WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
<b>VENT LINE</b>	STACKS, MAIN COLLECTORS LATERALS, BRANCHES	UNPLASTICISED POLYVINYL CHLORIDE S1000 (PVC S1000)	ASTM-D1784/D1785/D2665/D2729 ASTM-D3311 / F1866 PNS 1950:2003	SOLVENT WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
	DOWNSPOUT, MAIN COLLECTORS	UNPLASTICISED POLYVINYL CHLORIDE S1000 (PVC S1000)	ASTM-D1784/D1785/D2665/D2729 ASTM-D3311 / F1866 PNS 1950:2003	SOLVENT WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
<b>STORMWATER DRAINAGE</b>	BRANCHES	UNPLASTICISED POLYVINYL CHLORIDE S1000 (PVC S1000)	ASTM-D1784/D1785/D2665/D2729 ASTM-D3311 / F1866 PNS 1950:2003	SOLVENT WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
	EXTERIOR DRAINAGE (SITE) (SUBJECT TO TRAFFIC LOADING)	REINFORCED CONCRETE PIPE CULVERT CLASS II (R/CB CLASS II)	ACPA MANUAL AASHTO M-170 ASTM C76-85 DPWH STANDARD	CEMENT MORTAR JOINTS	DWPH ACCREDITED MANUFACTURER / SUPPLIER	1/2" THK CLOSE CELL ELASTOMERIC THERMAL INSULATION "AEROFLEX" "THERMOFLEX" "X-FLEX" OR APPROVED EQUAL PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
<b>CONDENSATE DRAINAGE</b>	STACKS, MAIN COLLECTORS LATERALS, BRANCHES	≤ 40 ID - PVC CLASS 150 ≥ 50 ID - PVC CLASS 150	ASTM-D1784/D1785/D2665/D2729 ASTM-D3311 / F1866 PNS 1950:2003	SOLVENT WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
	STACKS, MAIN COLLECTORS LATERALS, BRANCHES	UNPLASTICISED POLYVINYL CHLORIDE S1000 (PVC S1000)	ASTM-D1784/D1785/D2665/D2729 ASTM-D3311 / F1866 PNS 1950:2003	SOLVENT WELDED	GEBERIT, "EMERALD", "ATLANTA" OR APPROVED EQUAL	PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION
<b>CHECK VALVE</b>	PUMPING SYSTEM	IRON BODY BRONZE TRIM	MSS SP-71	≤ 40ID IS THREADED / SCREWED ≥ 60ID IS FLANGED	"SIAM", "KITZ", "HONEYWELL" OR APPROVED EQUAL	SPRING LOADED VALVE DISC, RESILIENT SEAL BRONZE/STAINLESS STEEL REMOVABLE VALVE SEAT, RATED AT 150 PSIG, FLANGED CONNECTION
	OTHER THAN FOR PUMPING SYSTEM	BRONZE FINISHED	MSS SP-80	≤ 40ID IS THREADED / SCREWED ≥ 60ID IS FLANGED	"SIAM", "KITZ", "HONEYWELL" OR APPROVED EQUAL	SPRING LOADED VALVE DISC, RESILIENT SEAL BRONZE/STAINLESS STEEL REMOVABLE VALVE SEAT, RATED AT 150 PSIG, FLANGED CONNECTION
<b>GATE VALVE</b>	PUMPING SYSTEM	IRON BODY BRONZE TRIM	AWWA/ANSI C500-09 / MSS SP-80	≤ 40ID IS THREADED / SCREWED ≥ 60ID IS FLANGED	"SIAM", "KITZ", "HONEYWELL" OR APPROVED EQUAL	RISING STEM/ON-RISING STEM RATED AT 150 PSIG, BRONZE FINISHED
	OTHER THAN FOR PUMPING SYSTEM	BRONZE FINISHED	AWWA/ANSI C500-09	≤ 40ID IS THREADED / SCREWED ≥ 60ID IS FLANGED	"SIAM", "KITZ", "HONEYWELL" OR APPROVED EQUAL	RISING STEM/ON-RISING STEM RATED AT 150 PSIG, BRONZE FINISHED
<b>FLOAT VALVE</b>	WATER TANKS	BRASS	AWWA/ANSI C500-09	≤ 40ID IS THREADED / SCREWED ≥ 60ID IS FLANGED	"BERMAD 705-66" OR APPROVED EQUAL	CLASS 150
				≤ 40ID IS THREADED / SCREWED ≥ 60ID IS FLANGED	"BERMAD AF 70F" OR APPROVED EQUAL	CLASS 150, NUTS & BOLTS SHALL BE GALVANIZED, BASKET & BASKET LATCH SHALL BE STAINLESS STEEL
<b>WYE STRAINER</b>	PUMPING SYSTEM, SERVICE CONNECTION	COPPER ALLOY / CAST IRON BODY	AWWA C701	≤ 40ID IS THREADED / SCREWED ≥ 60ID IS FLANGED	"ARAD", "SYNERGY", "SAPPEL", "E-JET" OR APPROVED EQUAL	MUST BE MWSS APPROVED TYPE & MATERIAL, CAN BE BMS COMPATIBLE, WIRELESS, CAPABLE OF TRANSFERRING DATA FOR CENTRAL READING
<b>WATER METER</b>	AT ZONING, SERVICE CONNECTION	BRASS	AWWA C701	≤ 40ID IS THREADED / SCREWED ≥ 60ID IS FLANGED	"ARAD", "SYNERGY" OR APPROVED EQUAL	MUST BE MWSS APPROVED TYPE & MATERIAL, CAN BE BMS COMPATIBLE, WIRELESS, CAPABLE OF TRANSFERRING DATA FOR CENTRAL READING
<b>DRAINAGE MANHOLE</b>	EXTERIOR DRAINAGE (SITE) (SUBJECT TO TRAFFIC LOADING)	REINFORCED CONCRETE	DPWH BLUE BOOK / STANDARD	BOOT CONNECTOR	DWPH ACCREDITED MANUFACTURER / SUPPLIER	ALL DRAINAGE MANHOLES ARE TRAFFIC-RATED, GRATED TYPE INLET CAN BE CHANGED TO CURB INLET DEPENDING ON LOCATION
<b>ROOF DRAIN</b>	DECK	CAST IRON BODY	ANSI A112.21.2M	AS PER BRAND SPECIFIED	"JAMAN", "UNILEX" OR APPROVED EQUAL	DOME TYPE STRAINER
<b>WATER HAMMER ARRESTOR</b>	WATER LINE	BRASS	PDI WH201	THREADED / SCREWED	"ARAD", "SYNERGY" OR APPROVED EQUAL	SHALL BE INSTALLED IF NEEDED

NOTE: "APPROVED EQUAL" SHALL BE APPROVED THRU REQUEST OF APPROVAL TO THE UNDERWRITERS LABORATORY (UL). FOR MAJOR ITEMS, THE BE AFTER EVALUATION SHALL WRITE RECOMMENDATION TO END-USER/OWNER AND SHALL BE APPROVED BY BOTH "APPROVED EQUAL" SHALL BE THE CONTRACTORS BURDEN OF PROOF.

<p><b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS</p> <p>IN JOINT VENTURE WITH</p> <p><b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p>	<p>ENGINEER:</p> <p><b>VICTORIA ADEGER</b> SANITARY ENGINEER</p> <p>PRC No.: 0001927      PTR No.: 4580635 PRC Validity: March 23, 2024      PTR Date: January 07, 2021 TN No.: 108-318-662      PTR Place: Pasay City</p>	<p>REPUBLIC ACT 9266</p> <p>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPUTATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</p>	<p>PROJECT:</p> <p><b>PROPOSED ACADEMIC BUILDING II</b></p> <p>LOCATION: Brgy. Rizal, Odiangan, Romblon</p>	<p>DESIGNED FOR:</p>
---	--	--	---	----------------------



SCHEDULE OF PLUMBING AND SANITARY EQUIPMENT

PUMPS

MARK	ITEM	QTY	TYPE	PUMP CAPACITY		MOTOR CAPACITY <small>(PLEASE VERIFY w/ PEE DESIGNER)</small>				CONTROLLER / ACCESSORIES <small>(PLEASE VERIFY w/ PEE DESIGNER)</small>	LOCATION	REMARKS	
				FLOW (GPM)	TDH (FT)	POWER (HP)	VOLTAGE (V)	PHASE	CYCLE (Hz)				TYPE
01 DUPLEX CPS 5.0HP	BOOSTER PUMP (CONSTANT PRESSURE SYSTEM)	1 SET (DUPLX)	DUPLEX TYPE VERTICAL IN-LINE, MULTI-STAGE, CENTRIFUGAL PUMP w/ STAINLESS STEEL IMPELLER, SHAFT + INTERMEDIATE CHAMBER, CAST IRON PUMP HEAD & BASE CLOSE-COUPLED TO VERTICAL ELECTRIC MOTOR w/ INTEGRATED FREQUENCY CONVERTER  REQUIRED TOTAL SYSTEM FLOW = 160 GPM	PUMP 1		230	3	60	Electric Driven Open Drip Proof	DUPLEX TYPE, WYE DELTA, COMBINATION MAGNETIC STARTER, COMPLETE w/ INDIVIDUAL MOLDED CASE CIRCUIT BREAKER, THERMAL OVERLOAD RELAY, CONTROL CIRCUIT BREAKER, CONTROL TRANSFORMER, BW LIQUID LEVEL RELAY (LH/RH), ALTERNATING RELAY, INDICATING LIGHTS (POWER ON & OFF), START & STOP PUSH BUTTONS, H-O-A SELECTOR SWITCH & TERMINAL BLOCKS WIRED IN NEMA 12 WALL MOUNTED ENCLOSURE.	DECK FLOOR PUMP HOUSE	AUTOMATIC OPERATION 2 UNITS OPERATIONAL DEPENDING ON SYSTEM DEMAND	
				80	100								5
				80	100								5

TANKS

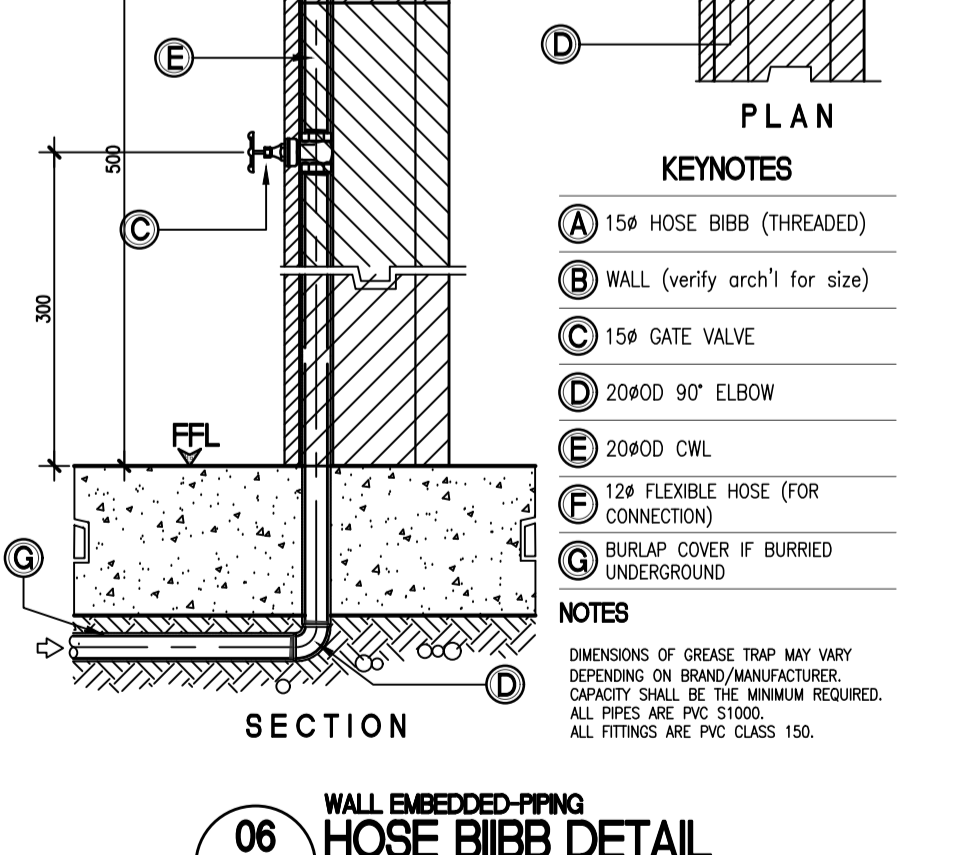
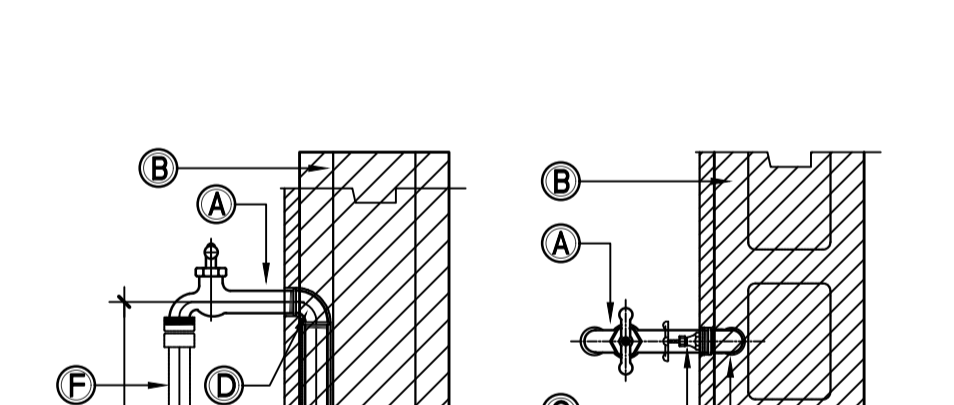
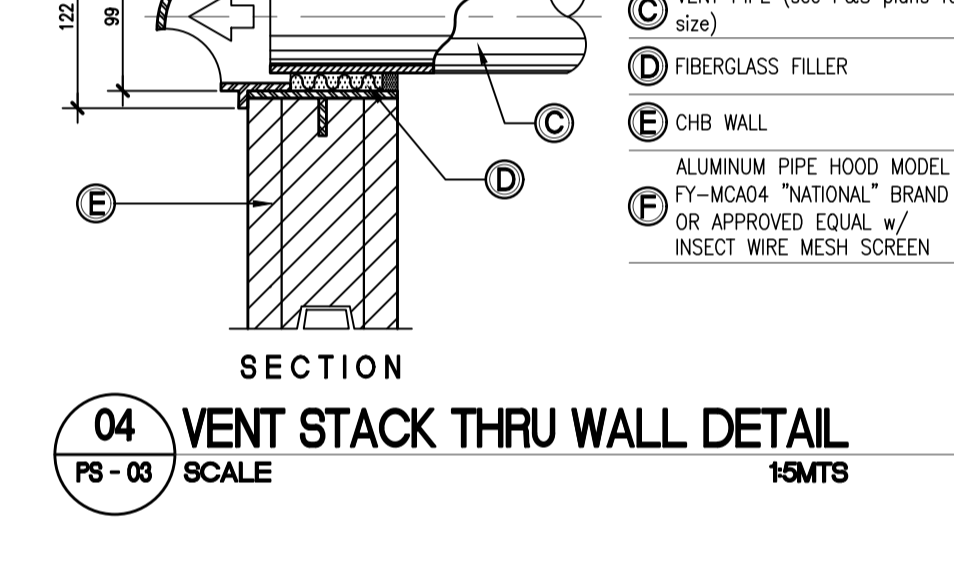
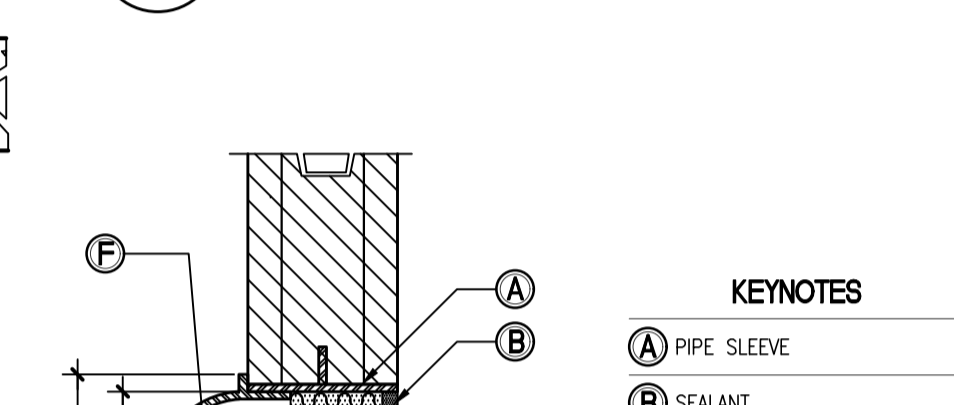
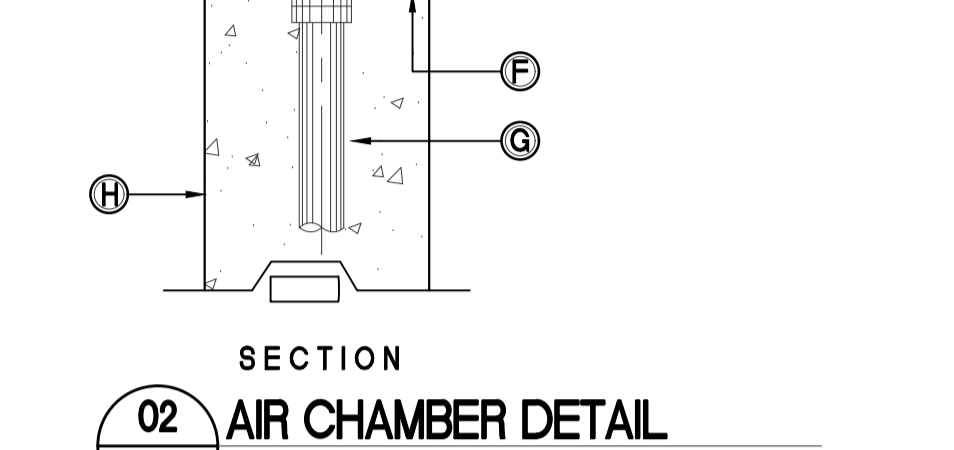
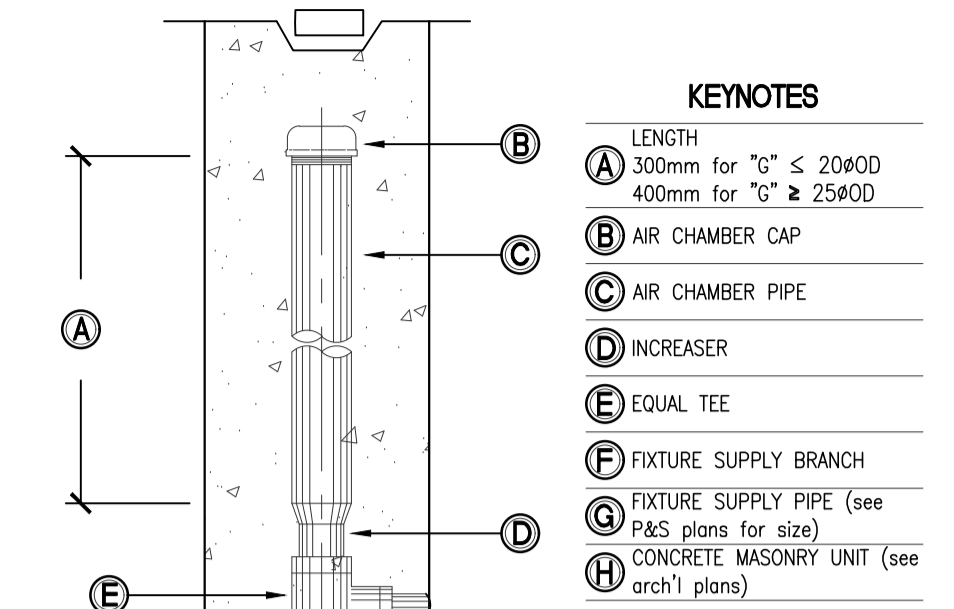
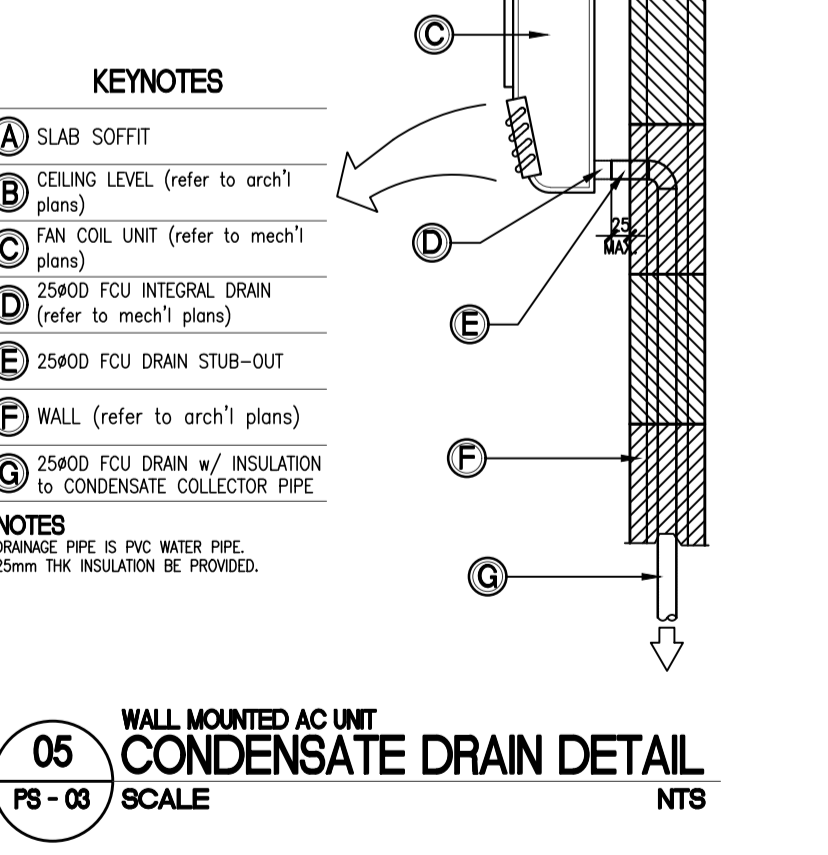
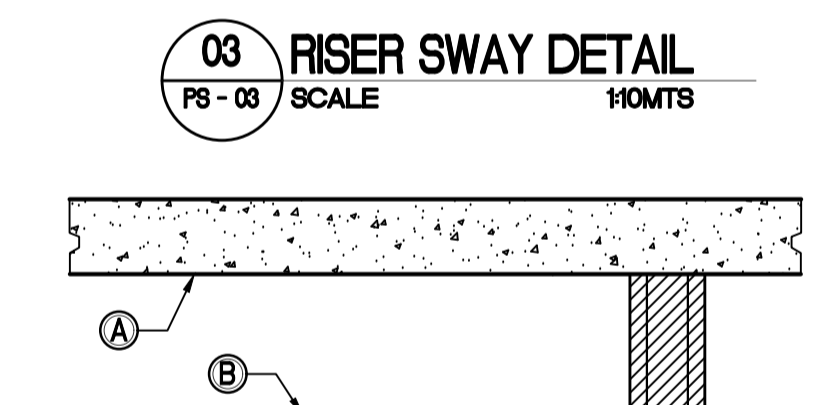
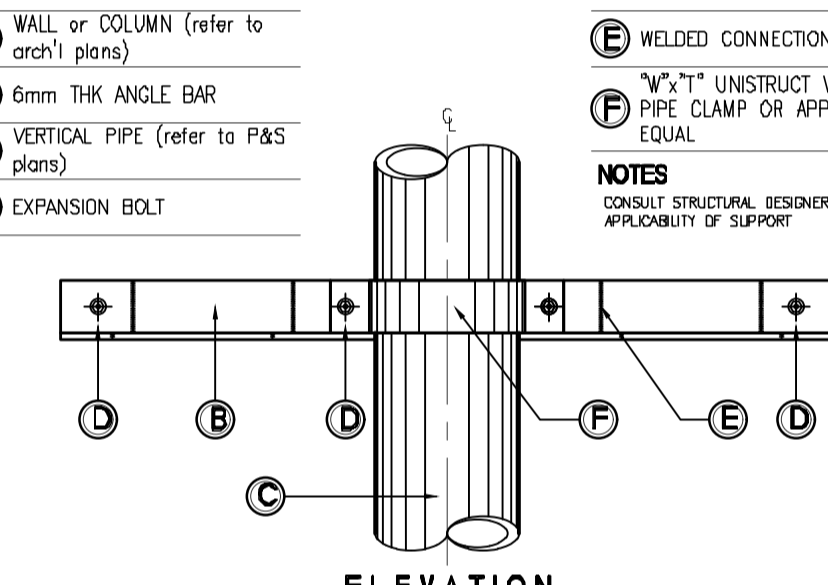
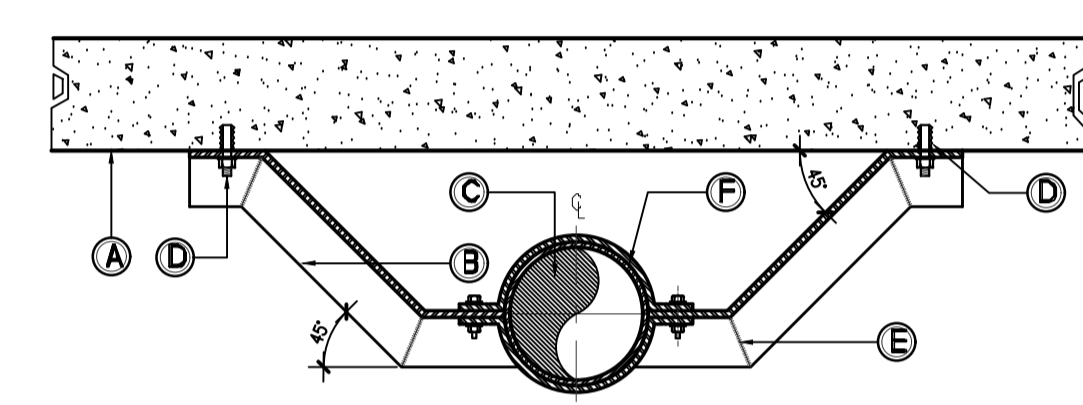
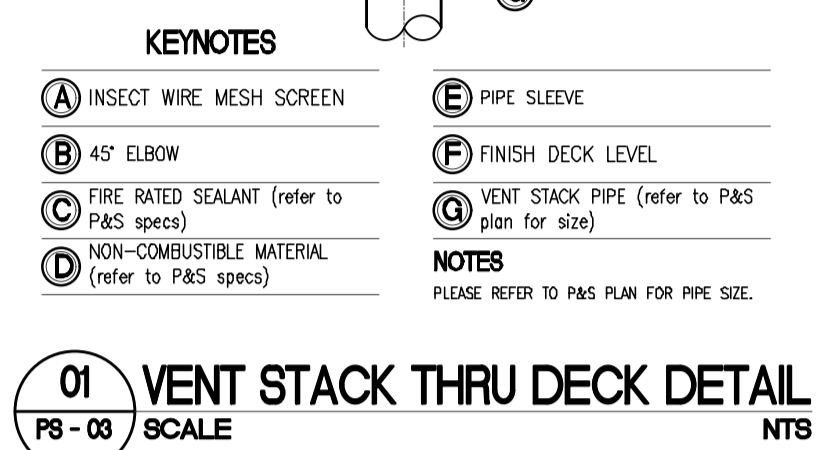
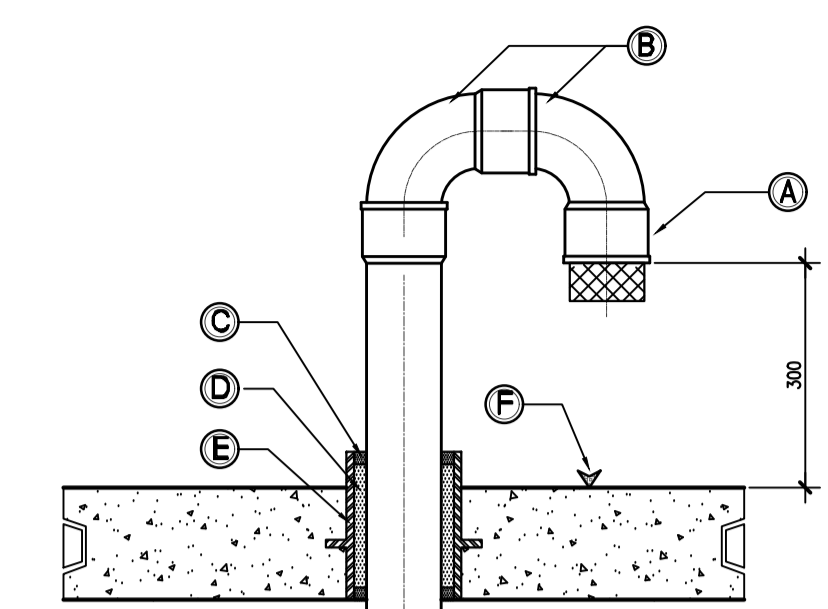
MARK	ITEM	QTY	CHAMBERS	CAPACITY <small>(Liters)</small>	INSIDE DIMENSIONS				LOCATION	REMARKS
					LENGTH <small>(mm)</small>	WIDTH <small>(mm)</small>	HEIGHT <small>(mm)</small>	FREE BOARD <small>(mm)</small>		
01 WT 2.8CU M	POTABLE WATER CISTERN TANK	2 UNIT / S	1ST	12800	3590	2450	2530	300	AT DECK FLOOR (ON-GROUND)	<ul style="list-style-type: none"> <li>POLYETHYLENE TYPE</li> <li>LINEAR DIMENSIONS ARE ALL IN CLEAR</li> <li>INSIDE WALL PARTITION ( 2 CHAMBERS)</li> <li>OVERFLOW BOX WITH PIPE EA CHAMBER</li> <li>DRAIN VALVE AT EA CHAMBER</li> <li>MANHOLE AT EA CHAMBER</li> <li>2-100Ø AIR VENT AT EA CHAMBER</li> <li>LADDER RUNG AT EA CHAMBER</li> <li>BALANCING VALVE BET CHAMBERS</li> <li>SUPPORT BY STRUCTURAL ENGR</li> </ul>
02 WT 2.8CU M			2ND	12800	3590	2450	2530	300		

WATER HEATER

MARK	ITEM	QTY	DETAILS	FLOW <small>(LPM)</small>	CWL <small>(mm OD)</small>	POWER <small>(KW)</small>	VOLTAGE <small>(V)</small>	PRESSURE <small>(max/min) PSI</small>	CYCLE <small>(Hz)</small>	LOCATION	REMARKS
01 WH-SF 3.5KW	WATER HEATER (SINGLE POINT)	1 SET/S	WITH TEMPERATURE ADJUSTMENT / LIMITER, DIGITAL LED INDICATOR PANEL DISPLAY, ELECTRONIC FLOW SENSOR / AUTOMATIC, BUILT-IN ELCB, WATER RESISTANCE IP24 (min), WATER FILTER MESH, COPPER TUBE HEAT EXCHANGER	1.2 (min)	20	3500 (min)	230	(40/1.5)	60	TOILET	FEATURES MAY VARY w/ DIFFERENT BRANDS  NOTE: ACTUAL ITEM FOR INSTALLATION SHALL BE APPROVED BY AOR. THIS TABLE IS FOR GUIDANCE ONLY.

SEPTIC TANK

MARK	ITEM	QTY	DIGESTIVE CHAMBERS	CAPACITY <small>(GALS)</small>	INSIDE DIMENSIONS				WW <sub>D</sub> <small>(mm)</small>	LOCATION	REMARKS
					LENGTH <small>(mm)</small>	WIDTH <small>(mm)</small>	HEIGHT <small>(mm)</small>	FREE BOARD <small>(mm)</small>			
01 ST 45.5CU M	SEPTIC TANK	1 UNIT / S	1ST	6150	3600	3600	2200	400	1800	AT LOWER GROUND (UNDERGROUND)	<ul style="list-style-type: none"> <li>REINFORCED CONCRETE TYPE</li> <li>LINEAR DIMENSIONS ARE ALL IN CLEAR</li> <li>INSIDE WALL PARTITION ( 3 CHAMBERS)</li> <li>LADDER RUNG AT EA CHAMBER</li> <li>MANHOLE AT EA CHAMBER</li> <li>100Ø CO ON TOP AT EA CONNECTING TEE</li> <li>1-100Ø AIR VENT AT EA CHAMBER</li> <li>STRUCTURAL DESIGN BY STRUCT ENGR</li> </ul>
			2ND	2990	1800	3600	2200	450	1750		
			3RD	2900	1800	3600	2200	500	1700		



**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

*IN JOINT VENTURE WITH*

**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LOVELY HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

ENGINEER:

**VICTORIA ADEGER**  
SANITARY ENGINEER

PRC No.: 0001927 PTR No.: 4580635  
PRC Validity: March 23, 2024 PTR Date: January 07, 2021  
TN No.: 108-318-662 PTR Place: Pasay City

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

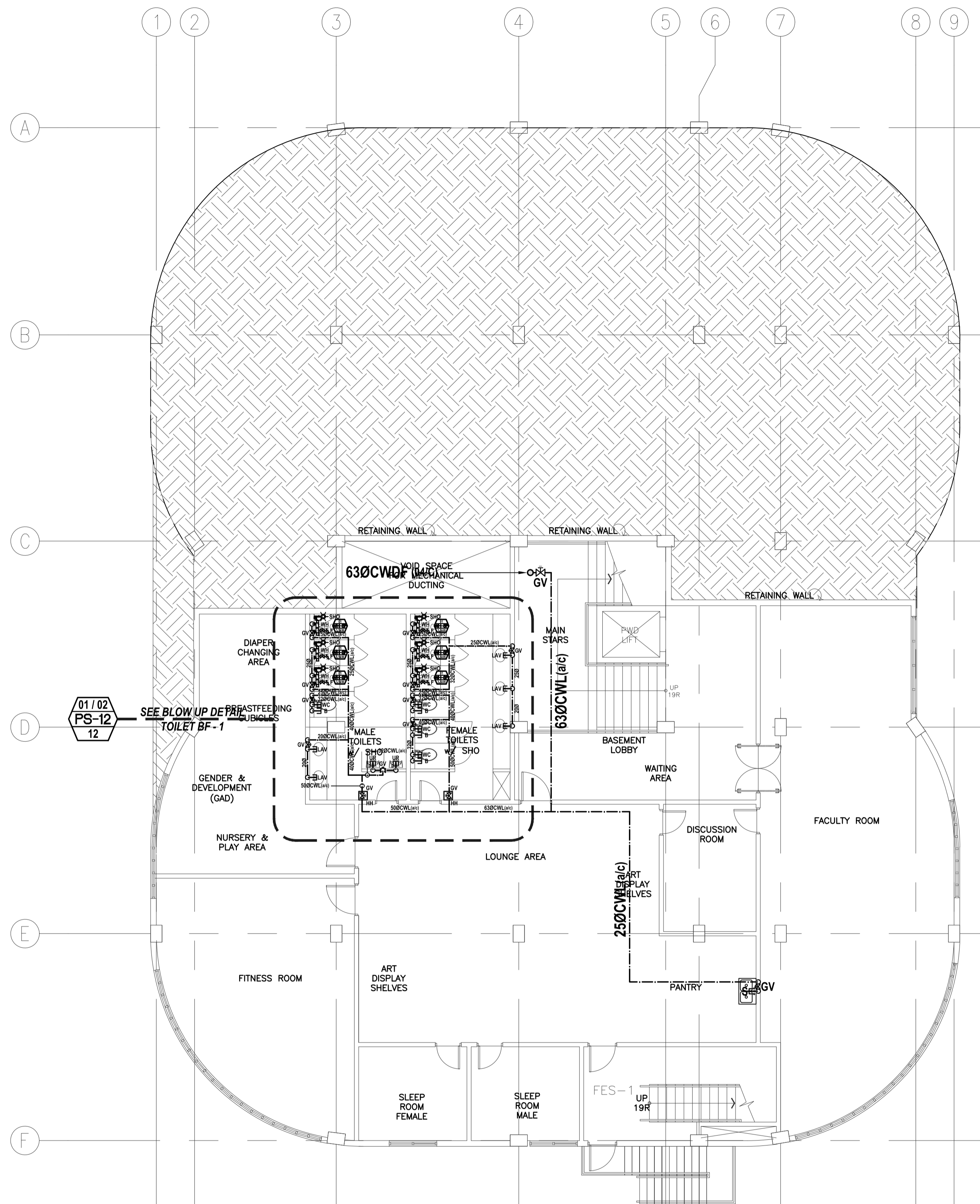
SHEET CONTENTS:

SCHEDULE OF PLUMBING & SANITARY EQUIPMENT  
MISCELLANEOUS DETAILS

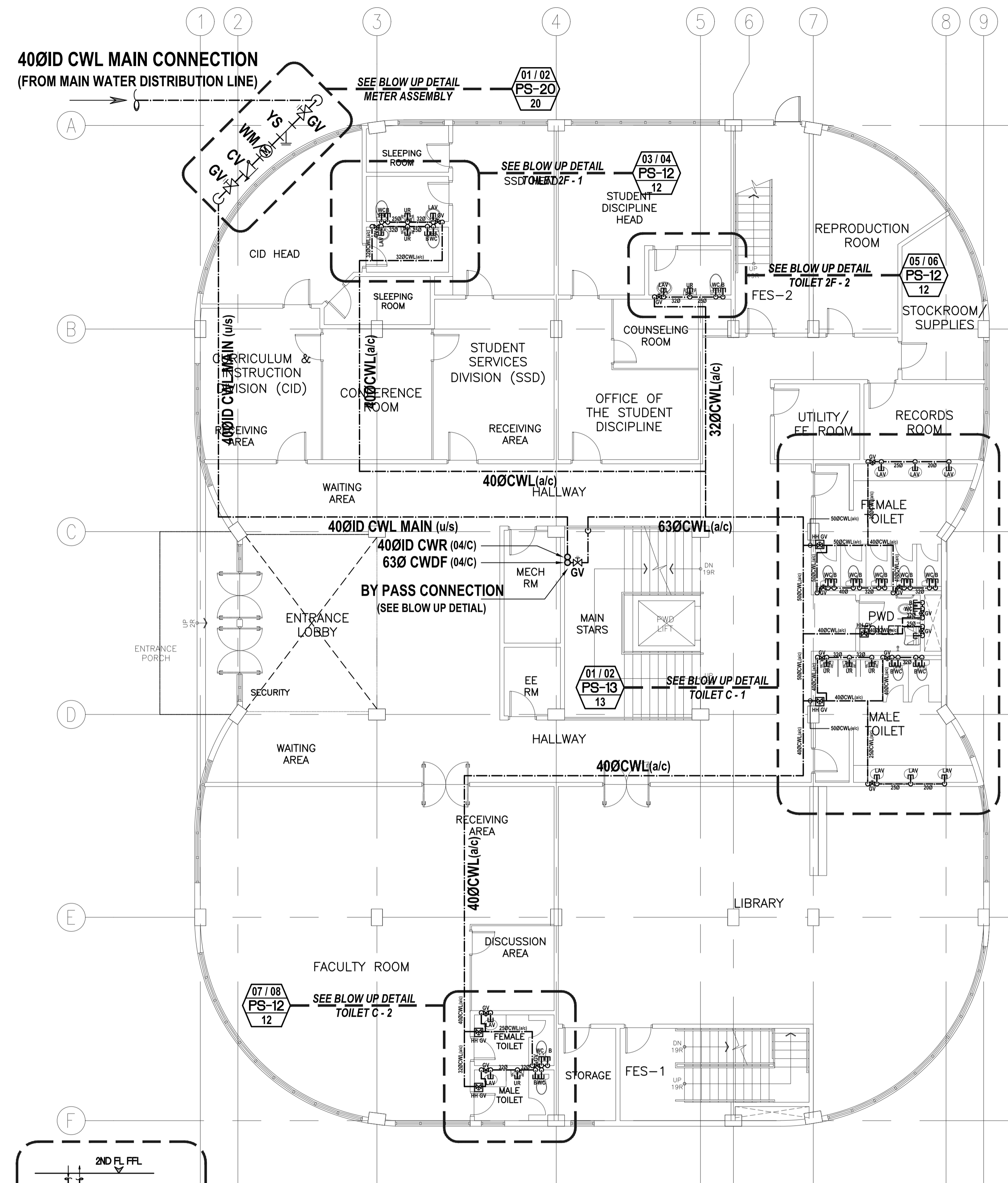
SHEET NO:

**PS  
03 21**





01  
PS-04  
ACADEMIC BUILDING II  
BASEMENT FLOOR  
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT  
SCALE: 1:100m



02  
PS-04  
ACADEMIC BUILDING II  
GROUND FLOOR  
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT  
SCALE: 1:100m

**ENRIQUE O. OLANAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

IN JOINT VENTURE WITH  
**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS


SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LOYOLA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS.: 426 7009;  
426 90244  
FAX NOS.: 927 0698;  
426 7214

ENGINEER: <b>VICTORIA ADEDECER</b> SANITARY ENGINEER	
PRC No.: 0001927	PTR No.: 4580635
PRC Validity: March 23, 2024	PTR Date: January 07, 2021
TN No.: 108-318-662	PTR Place: Pasay City

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

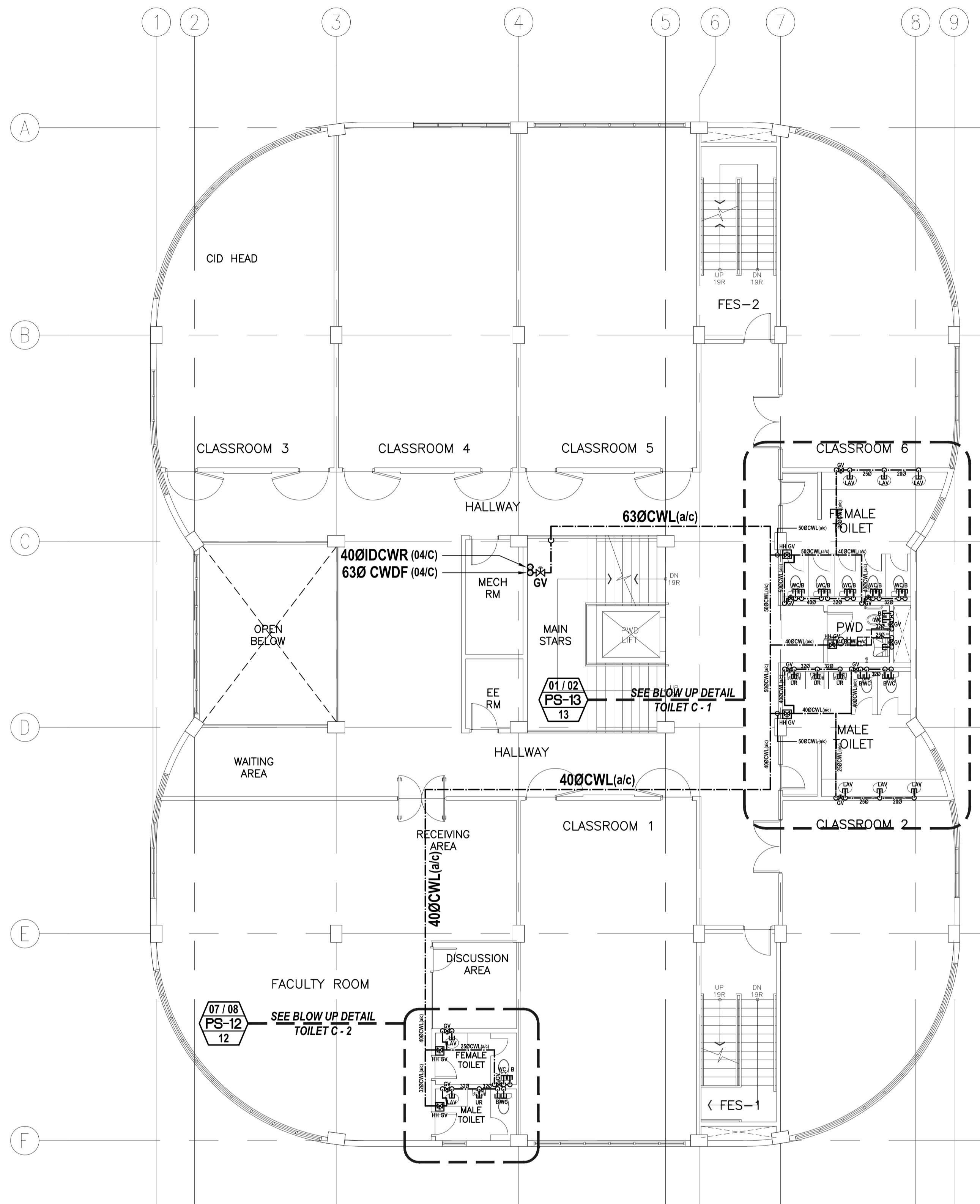
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

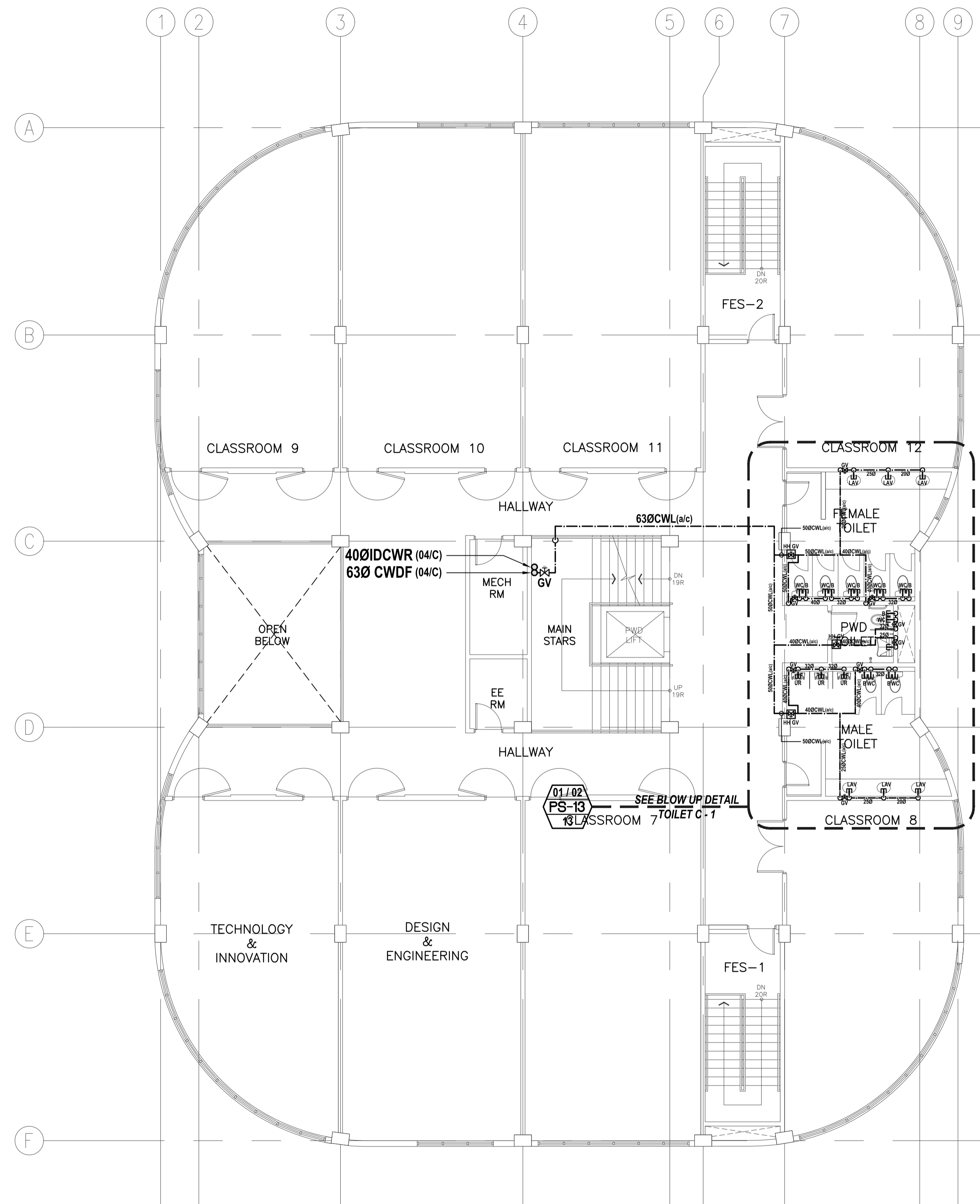
SHEET CONTENTS:  
- WATER SUPPLY DISTRIBUTION SYSTEM  
- BASEMENT FLOOR  
- GROUND FLOOR

SHEET NO:  
**PS  
04 21**





01  
PS - 05  
ACADEMIC BUILDING II  
SECOND FLOOR  
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT  
SCALE: 1:100m



02  
PS - 05  
ACADEMIC BUILDING II  
THIRD FLOOR  
WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT  
SCALE: 1:100m


**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LOYOLA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

ENGINEER: <b>VICTORIA ADECER</b> SANITARY ENGINEER	
PRC No.: 0001927	PTR No.: 4580635
PRC Validity: March 23, 2024	PTR Date: January 07, 2021
TIN No.: 108-318-662	PTR Place: Pasay City

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPUTATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II**  
LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

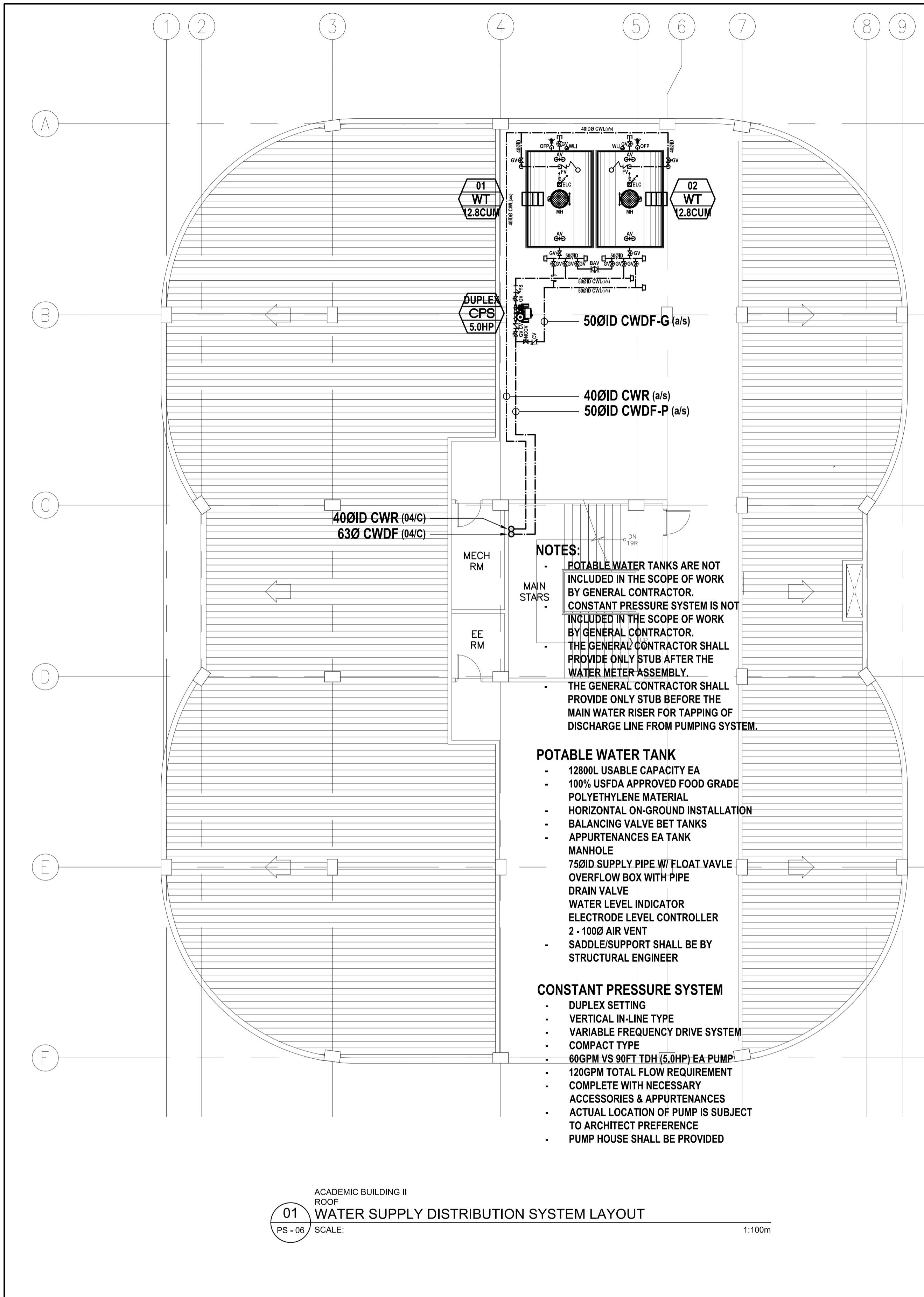
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

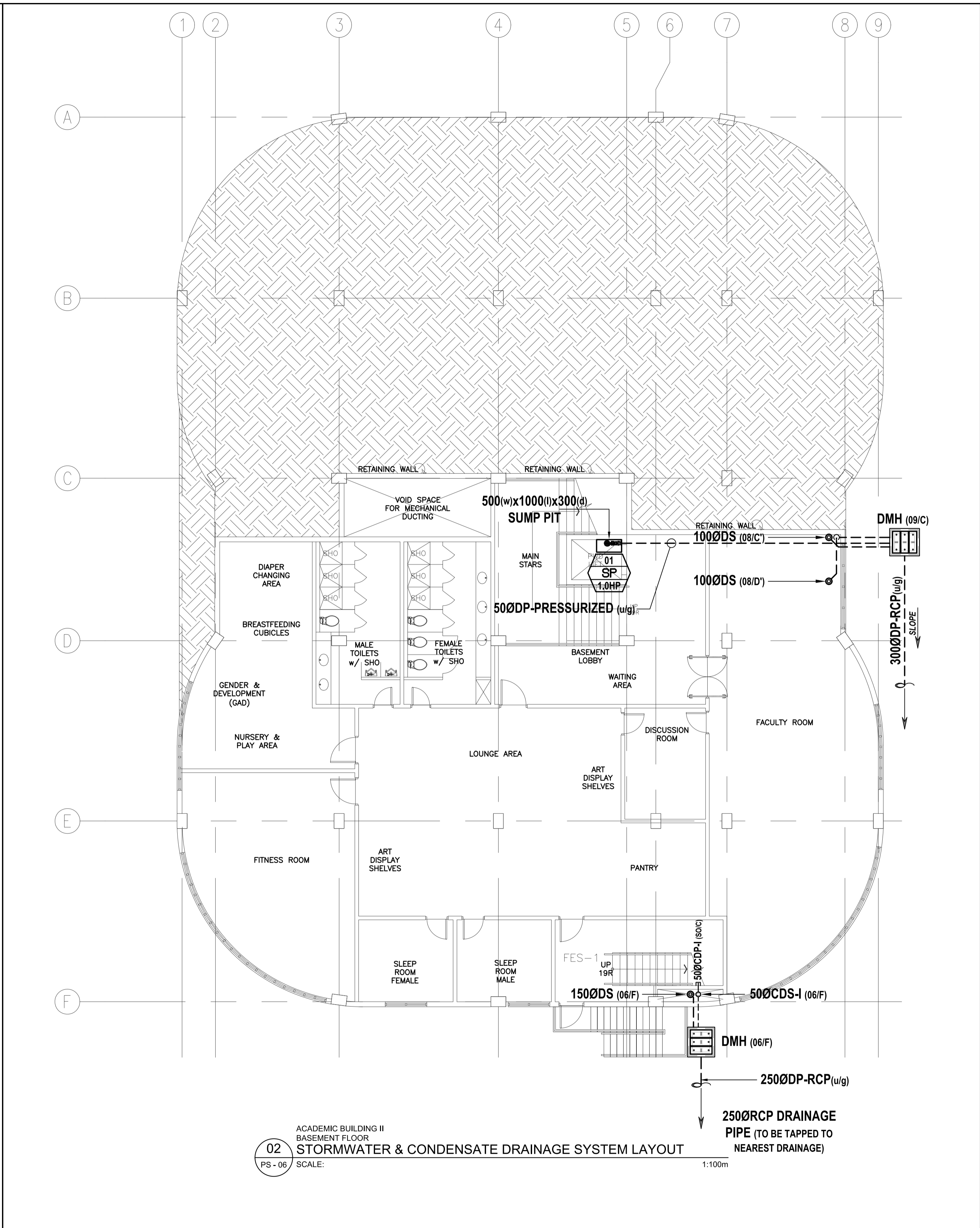
SHEET CONTENTS:  
WATER SUPPLY DISTRIBUTION SYSTEM  
- SECOND FLOOR  
- THIRD FLOOR

SHEET NO:  
**PS**  
**05 21**





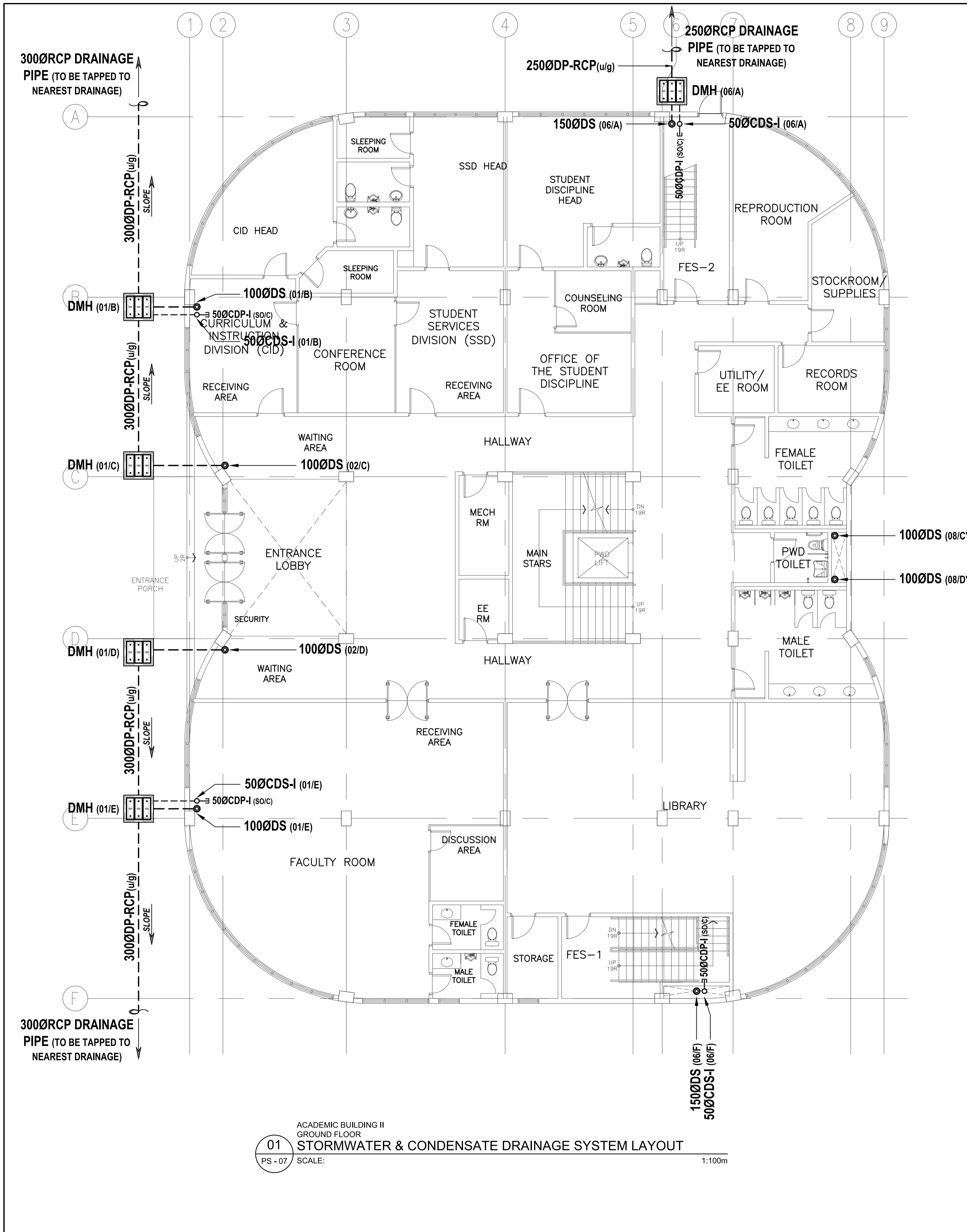
ACADEMIC BUILDING II  
**01** ROOF WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT  
 PS - 06 SCALE: 1:100m



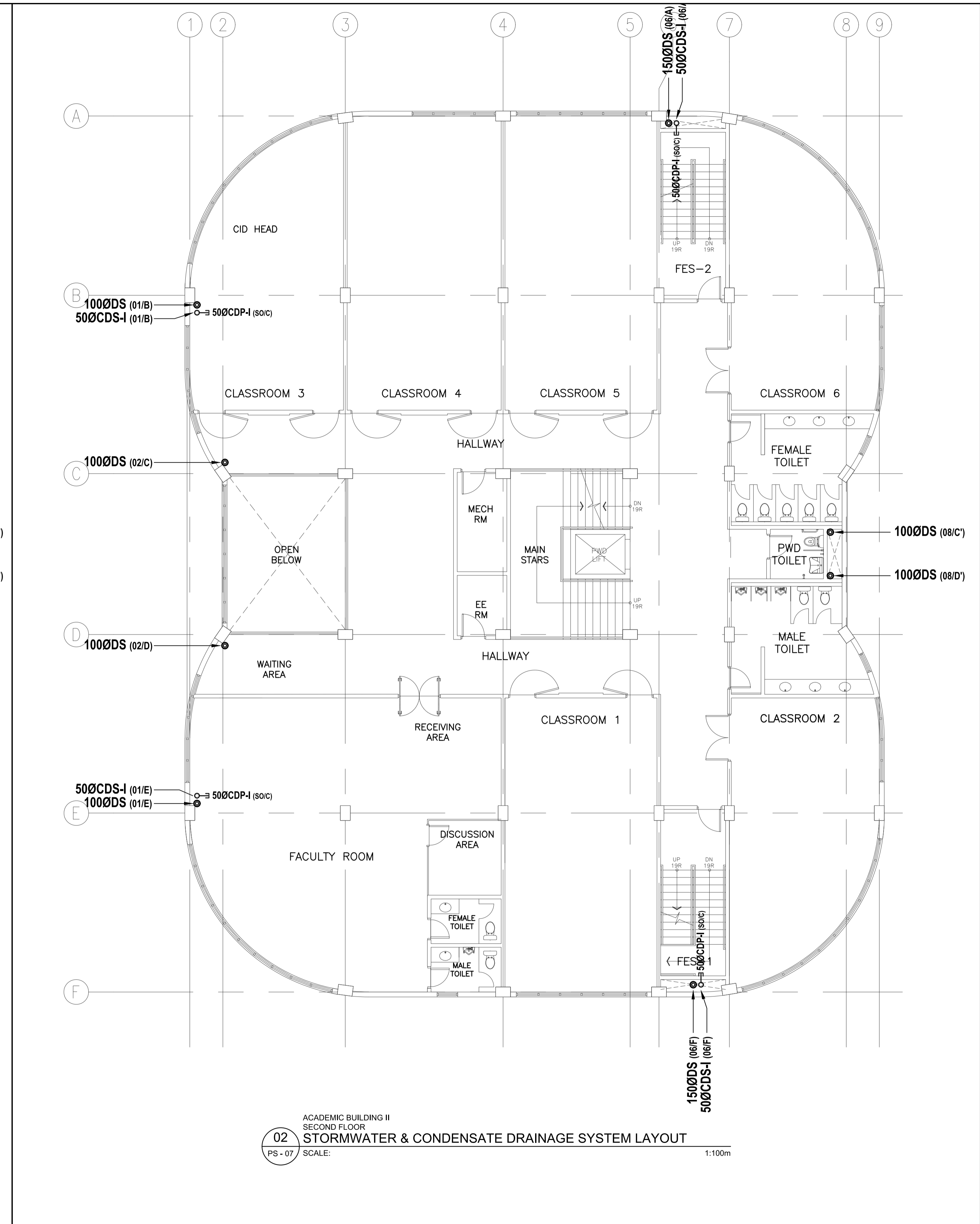
ACADEMIC BUILDING II  
**02** BASEMENT FLOOR STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT  
 PS - 06 SCALE: 1:100m

<b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER: <b>VICTORIA ADECER</b> SANITARY ENGINEER	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: WATER SUPPLY DISTRIBUTION SYSTEM - ROOF STORMWATER & CONDENSATE DRAINAGE SYSTEM - BASEMENT FLOOR	SHEET NO: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="font-size: 24px; font-weight: bold; text-align: center;">PS</div> <div style="font-size: 24px; font-weight: bold; text-align: center; margin-left: 10px;">06 21</div> </div>
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LORONGA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214	PRC No.: 0001927 PTR No.: 4580635 PRC Validity: March 23, 2024 PTR Date: January 07, 2021 TN No.: 108-318-662 PTR Place: Pasay City	LOCATION: Brgy. Rizal, Odiongan, Romblon					





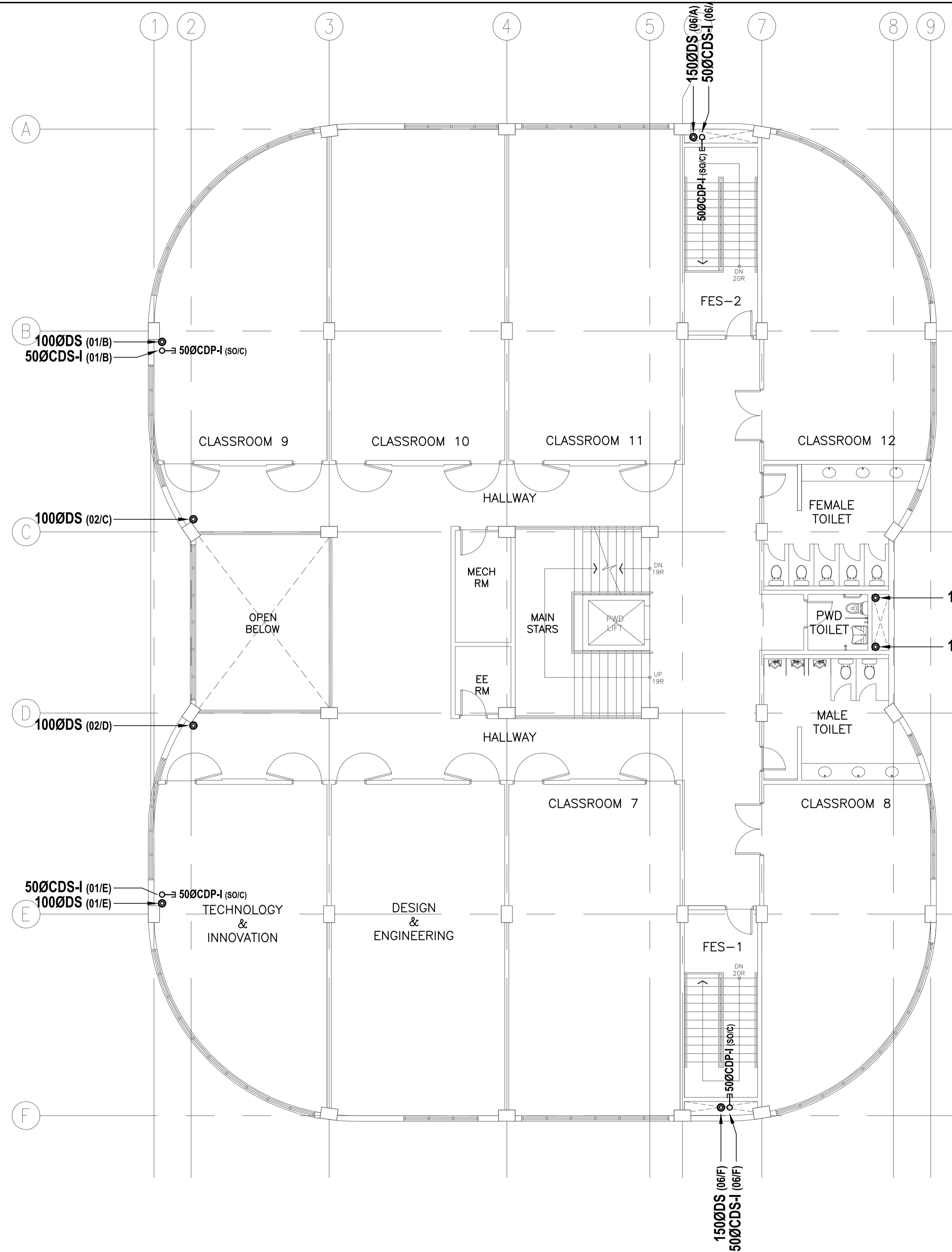
01  
PS - 07  
ACADEMIC BUILDING II  
GROUND FLOOR  
STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT  
SCALE: 1:100m



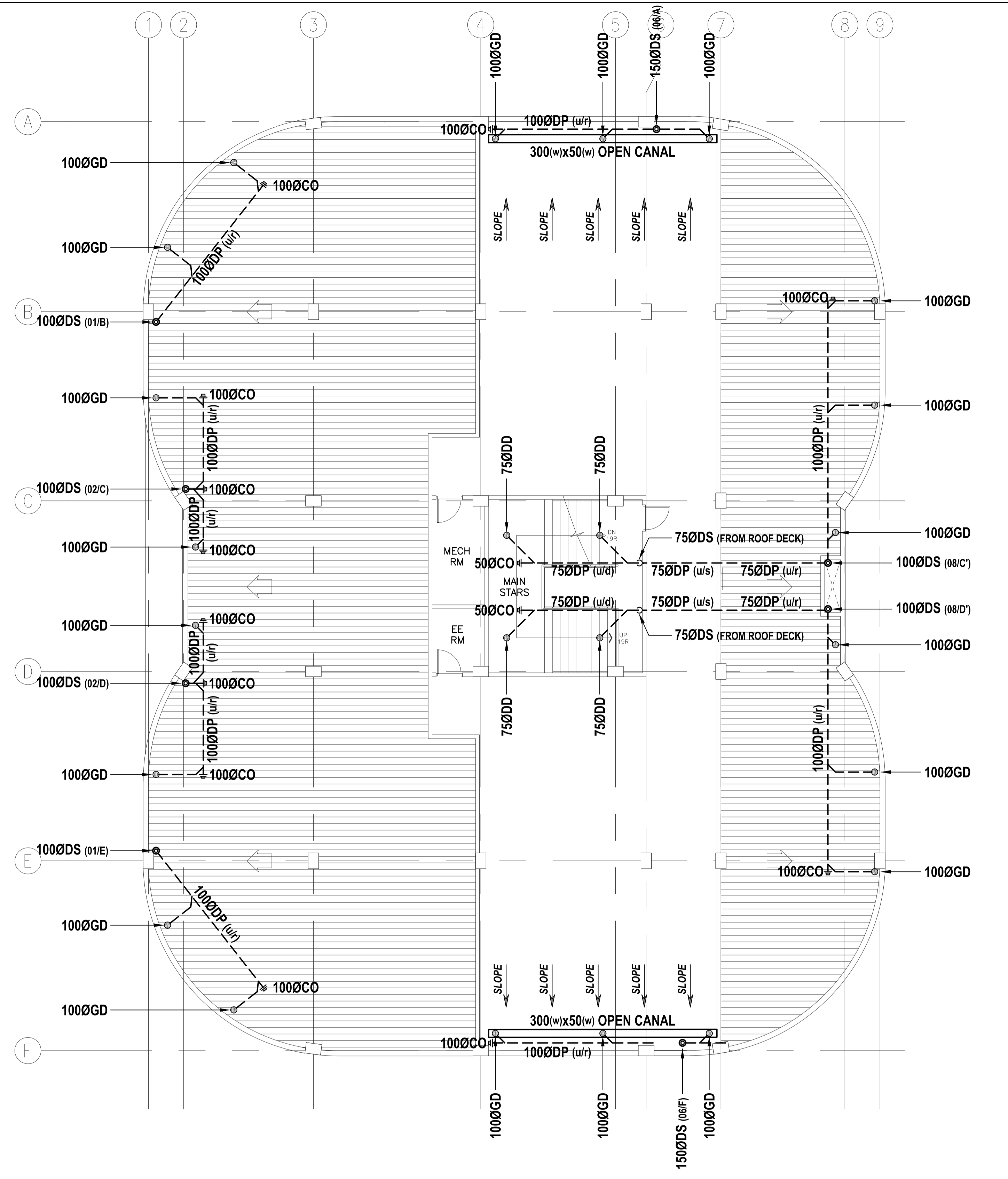
02  
PS - 07  
ACADEMIC BUILDING II  
SECOND FLOOR  
STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT  
SCALE: 1:100m

<p><b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p>	<p>ENGINEER: <b>VICTORIA ADEKER</b> SANITARY ENGINEER</p>	<p>REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</p>	<p>PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b></p>	<p>DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p>	<p>RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF</p>	<p>APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR</p>	<p>SHEET CONTENTS: STORMWATER &amp; CONDENSATE DRAINAGE SYSTEM - GROUND FLOOR - SECOND FLOOR</p>	<p>SHEET NO: <b>PS 07 21</b></p>
	<p>PRC No.: 0001927 PTR No.: 4580635 PRC Validity: March 23, 2024 PTR Date: January 07, 2021 TN No.: 108-318-662 PTR Place: Pasay City</p>	<p>LOCATION: Brgy. Rizal, Odiangan, Romblon</p>						





01  
PS - 08  
ACADEMIC BUILDING II  
THIRD FLOOR  
STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT  
SCALE: 1:100m



02  
PS - 08  
ACADEMIC BUILDING II  
ROOF  
STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT  
SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORON HEIGHTS,  
QUEZON CITY, 1108  
TEL NOS: 426 7009;  
426 30244  
FAX NOS: 927 0608;  
426 7214

ENGINEER:  
**VICTORIA ADEKER**  
SANITARY ENGINEER  
PRC No.: 0001927 PTR No.: 4580635  
PRC Validity: March 23, 2024 PTR Date: January 07, 2021  
TN No.: 108-318-662 PTR Place: Pasay City

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:



RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:

STORMWATER & CONDENSATE DRAINAGE SYSTEM  
- THIRD FLOOR  
- ROOF

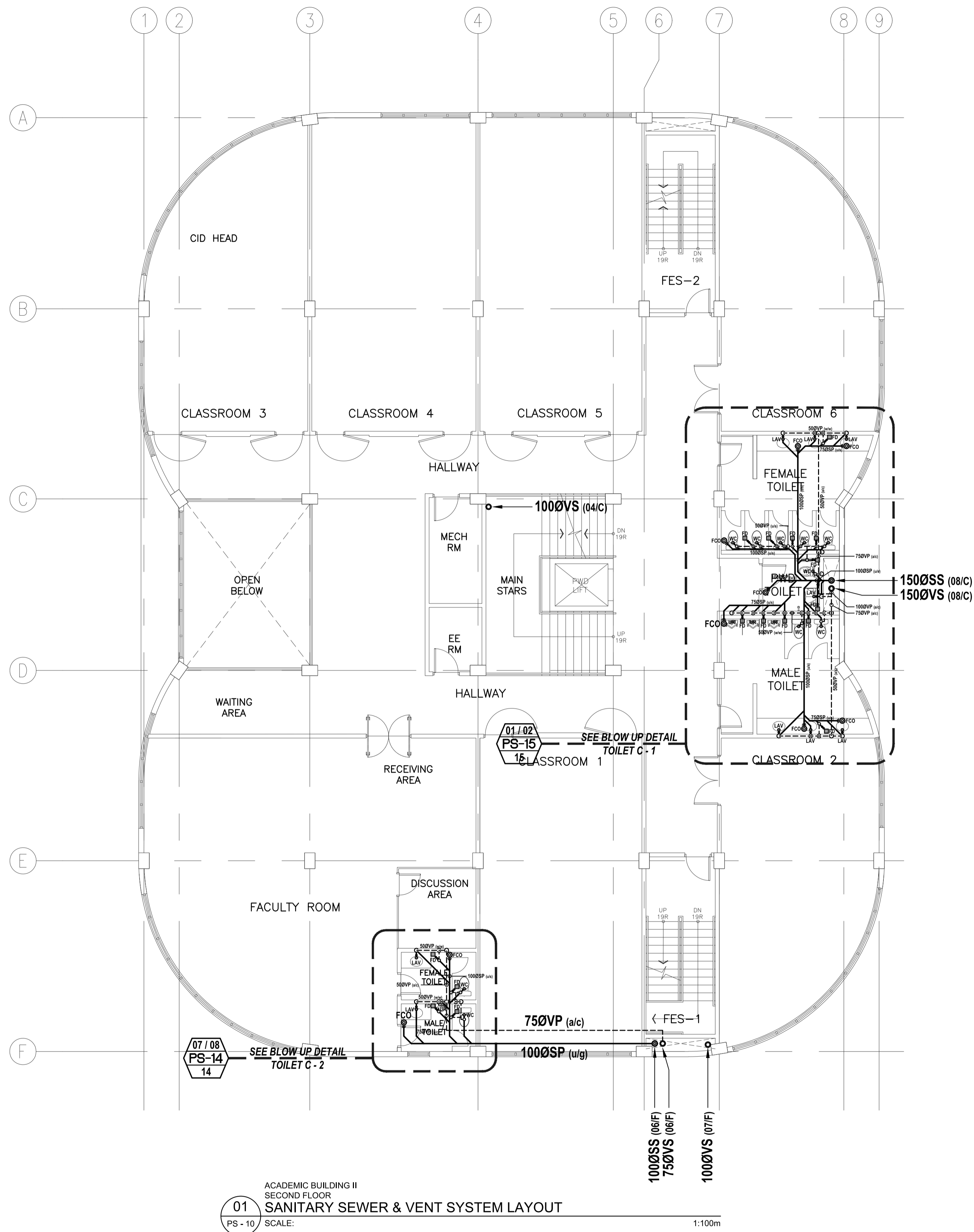
SHEET NO.:

**PS**  
**08 21**

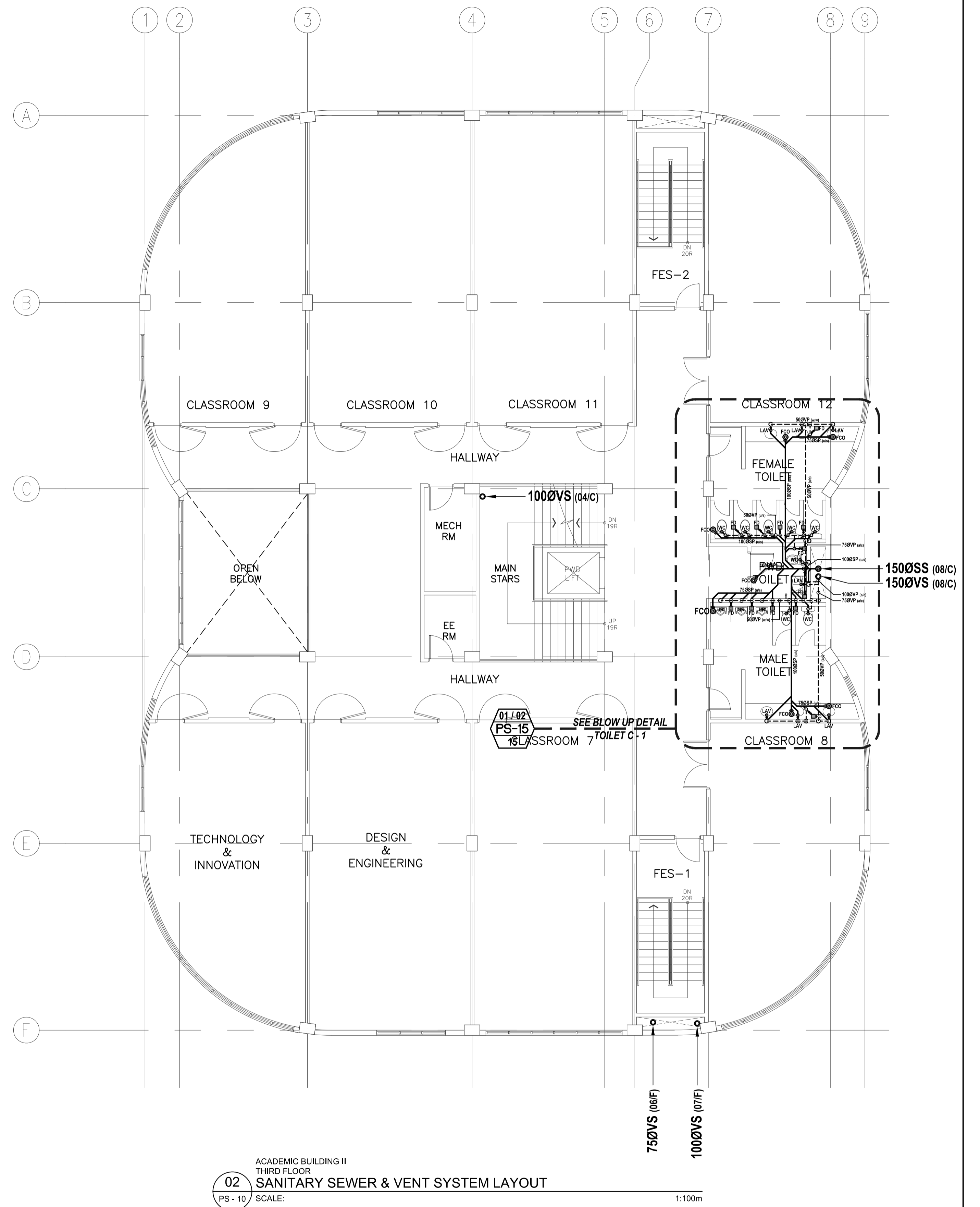








ACADEMIC BUILDING II  
SECOND FLOOR  
**01**  
SANITARY SEWER & VENT SYSTEM LAYOUT  
PS - 10 SCALE: 1:100m



ACADEMIC BUILDING II  
THIRD FLOOR  
**02**  
SANITARY SEWER & VENT SYSTEM LAYOUT  
PS - 10 SCALE: 1:100m


**ENRIQUE O. OLANAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LOYOLA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

ENGINEER:  
**VICTORIA ADEDECER**  
SANITARY ENGINEER  
PRC No.: 0001927 PTR No.: 4580635  
PRC Validity: March 23, 2024 PTR Date: January 07, 2021  
TN No.: 108-318-662 PTR Place: Pasay City

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II**  
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

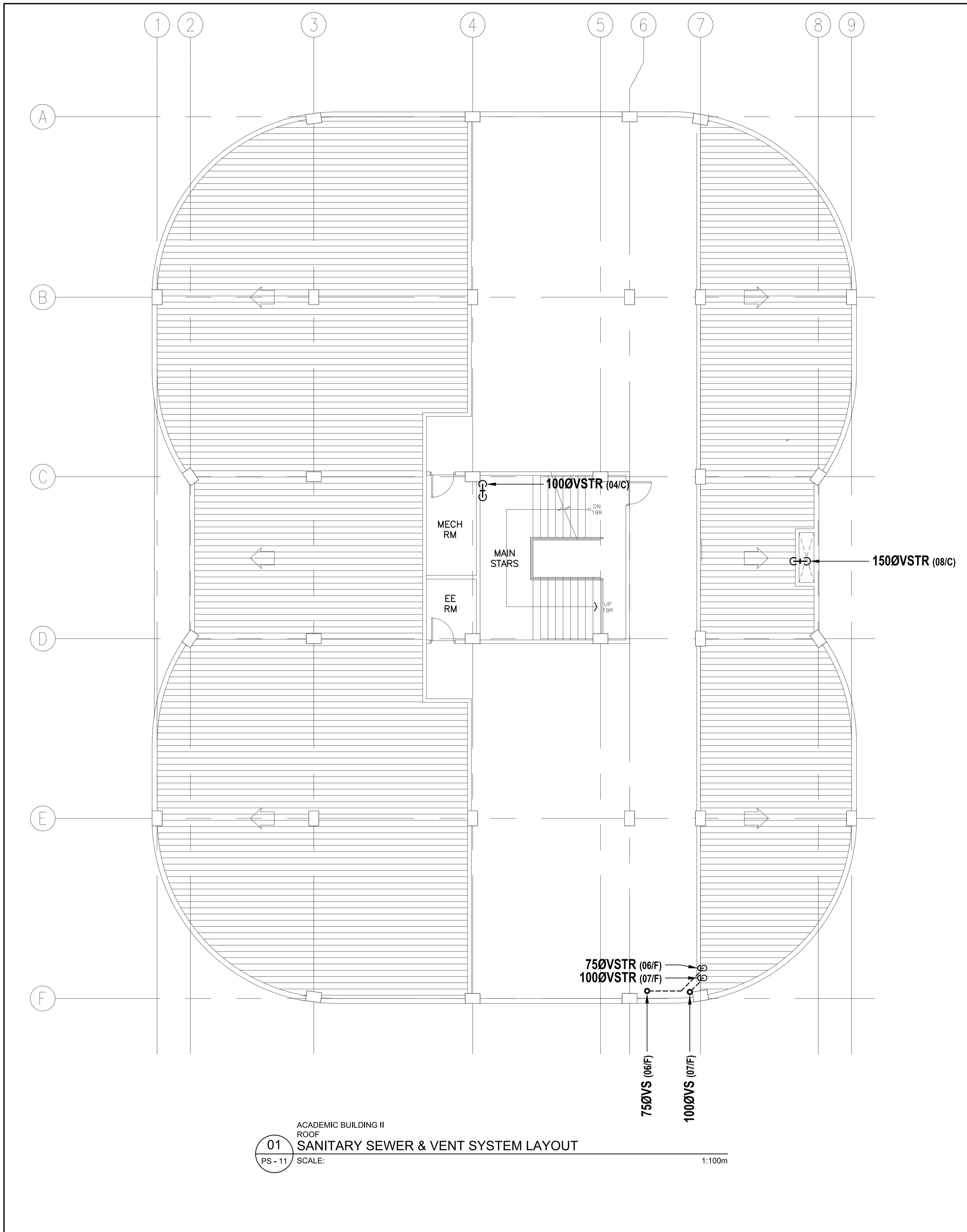
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
SANITARY SEWER & VENT SYSTEM  
- SECOND FLOOR  
- THIRD FLOOR

SHEET NO:  
**PS  
10 21**





01  
PS - 11  
ACADEMIC BUILDING II  
ROOF  
SANITARY SEWER & VENT SYSTEM LAYOUT  
SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS


SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LOYOLA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

ENGINEER:  
**VICTORIA ADEDECER**  
SANITARY ENGINEER  
PRC No.: 0001927 PTR No.: 4580635  
PRC Validity: March 23, 2024 PTR Date: January 07, 2021  
TN No.: 108-318-662 PTR Place: Pasay City

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II**  
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

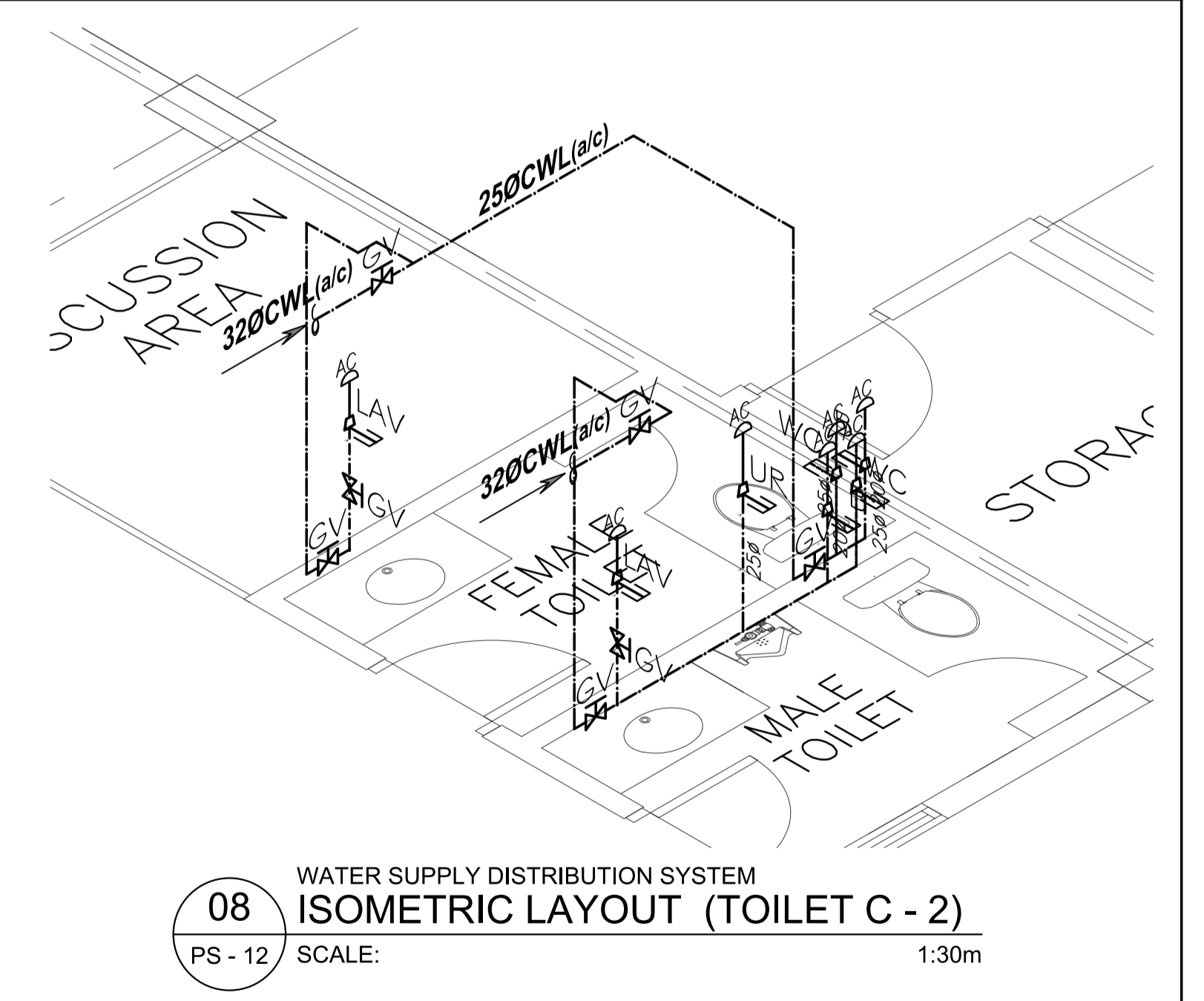
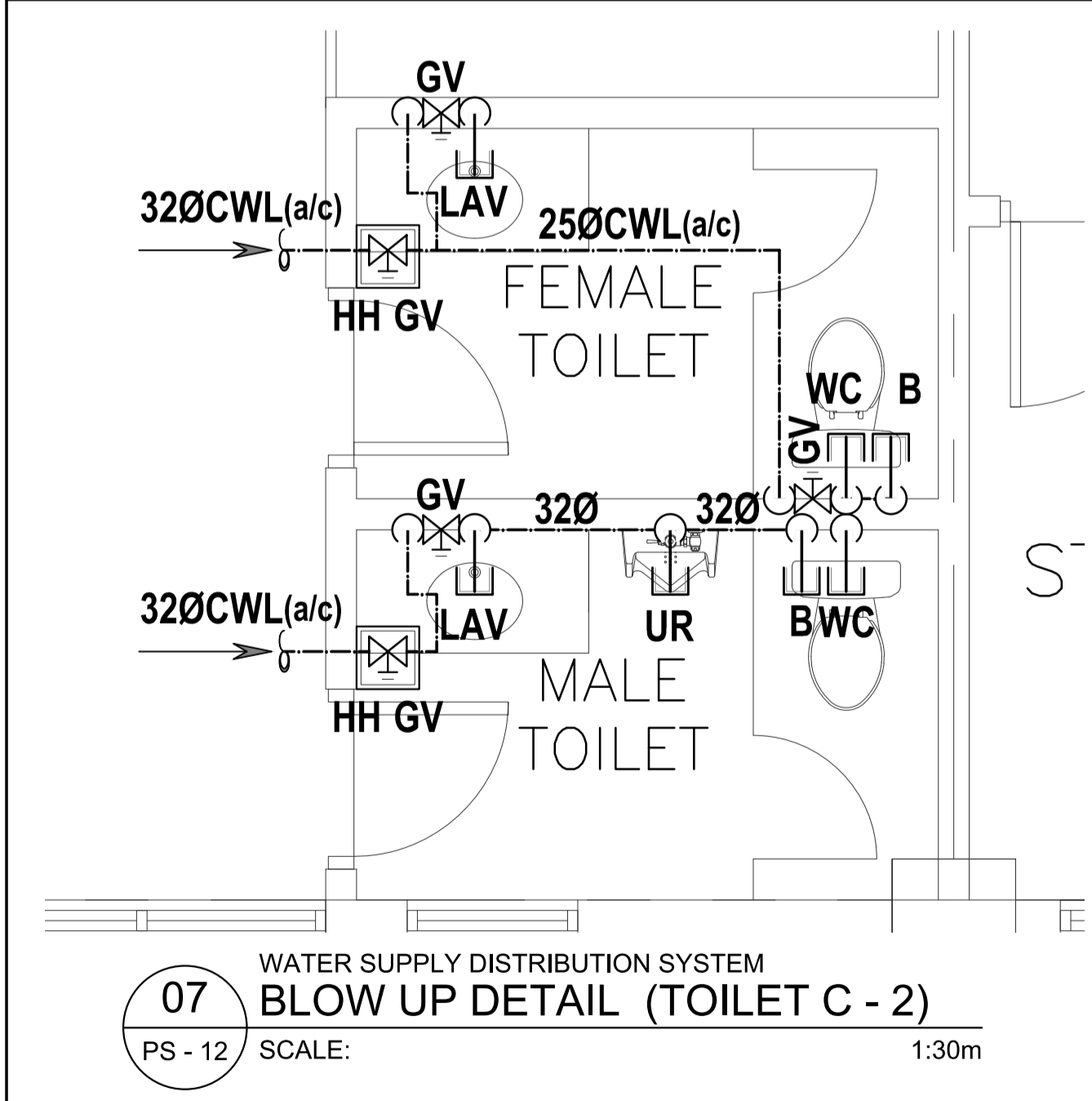
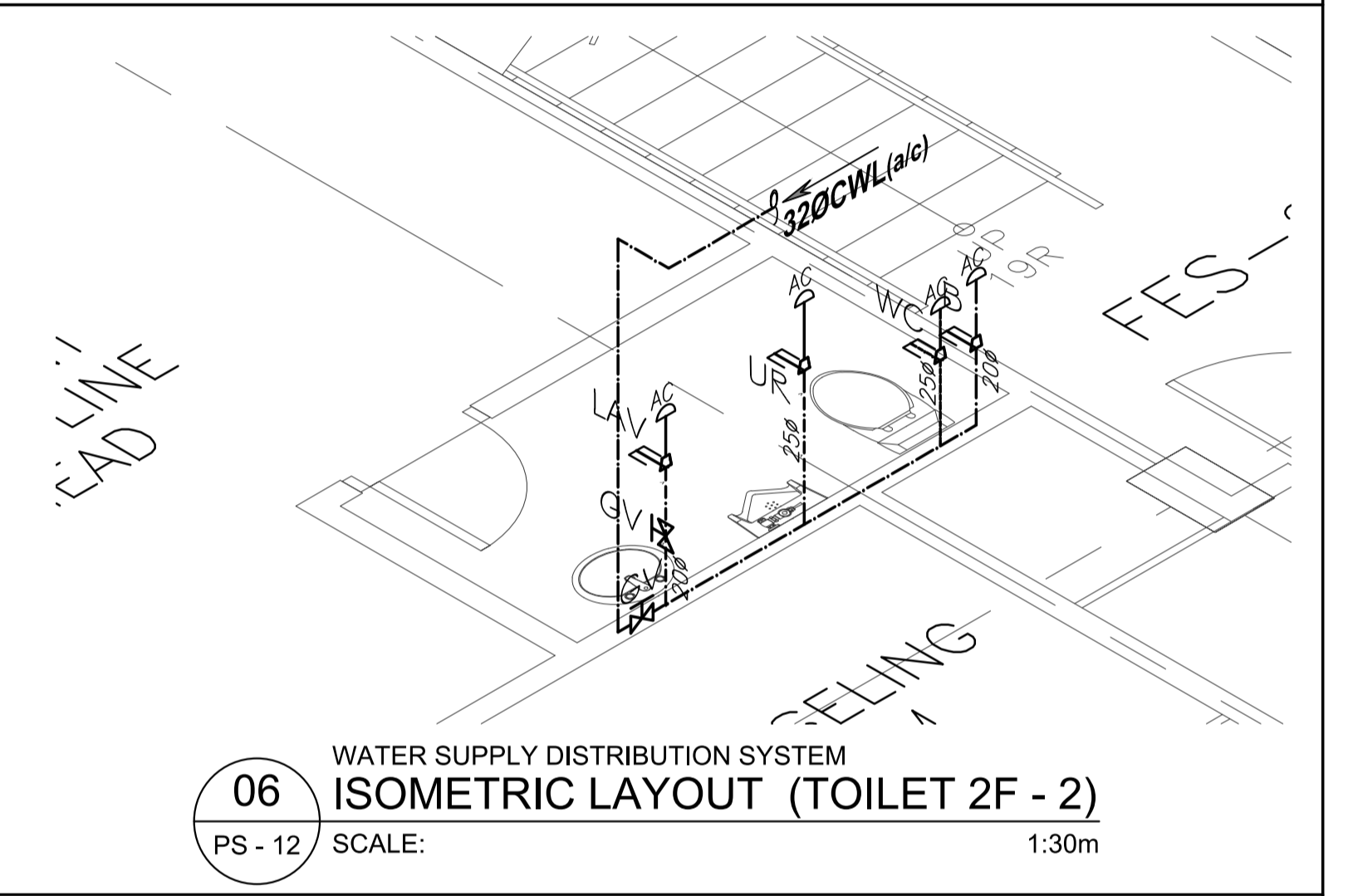
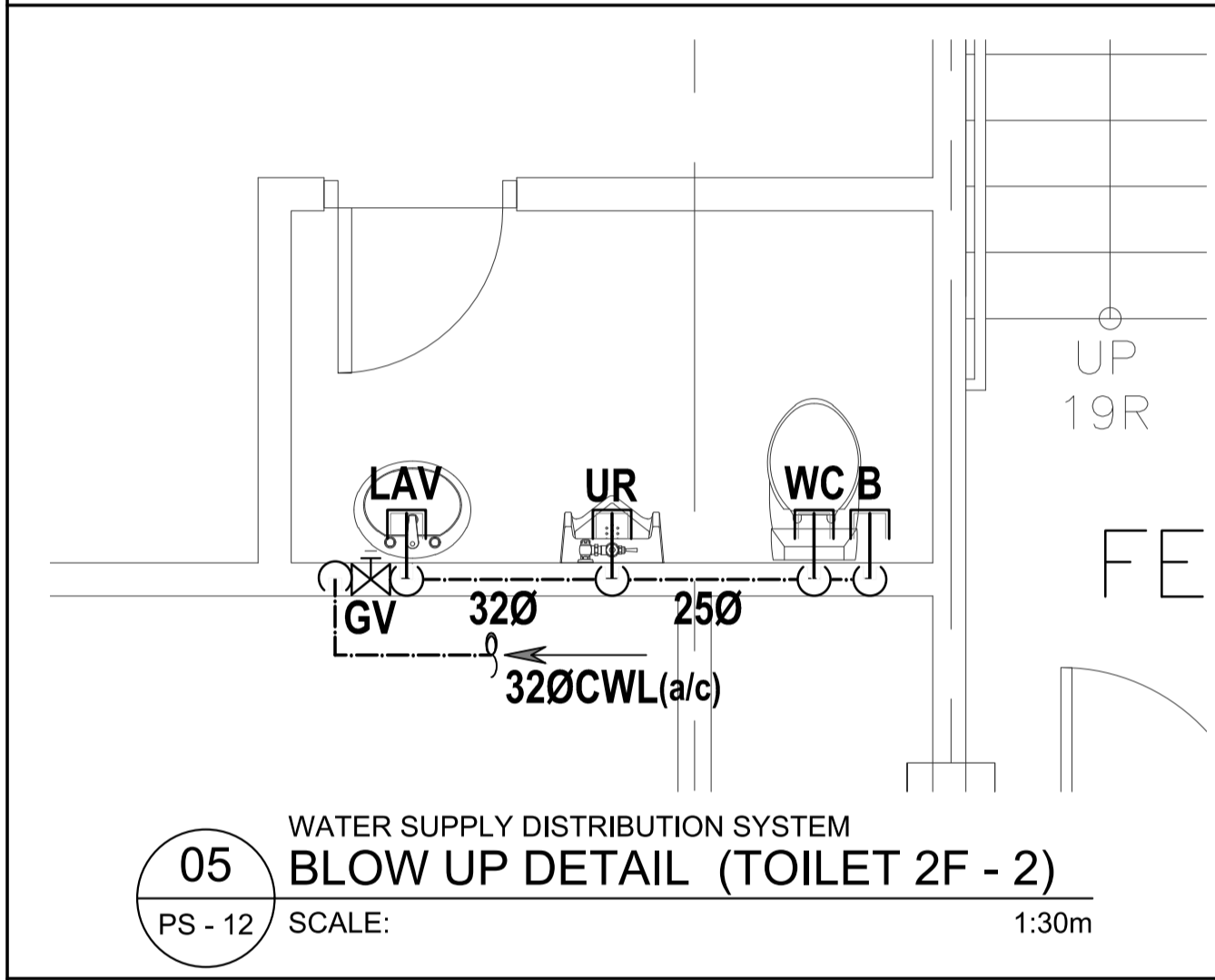
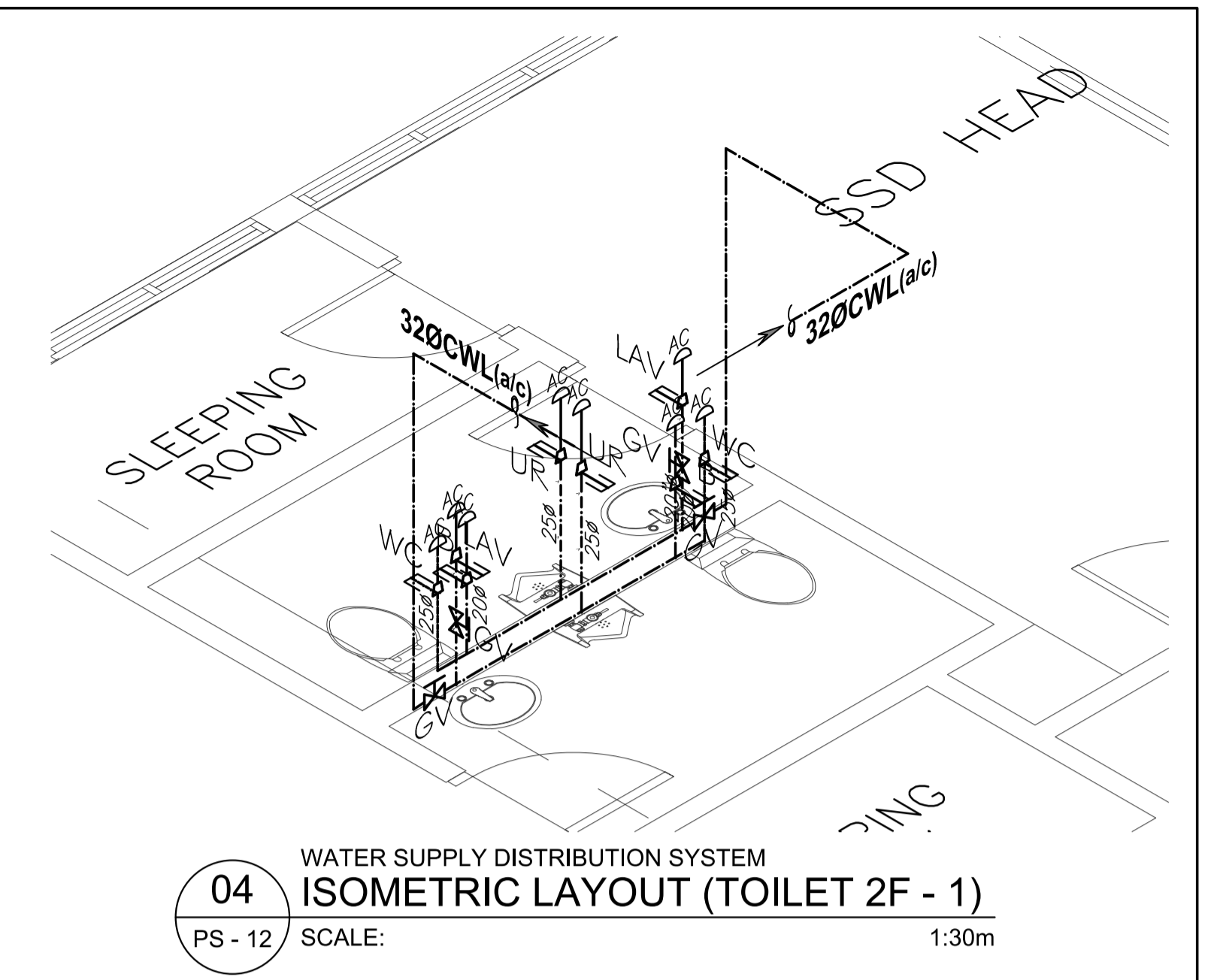
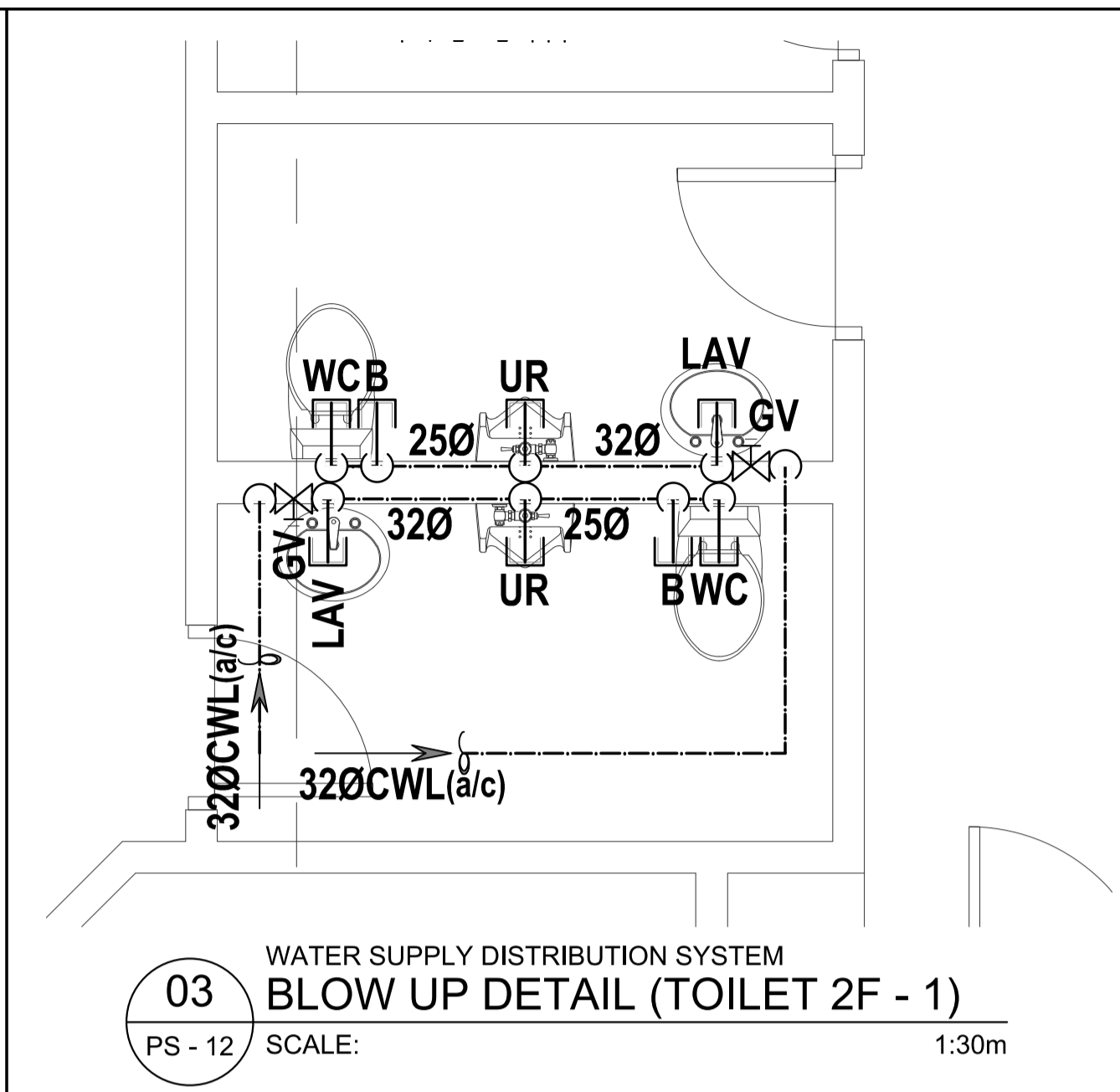
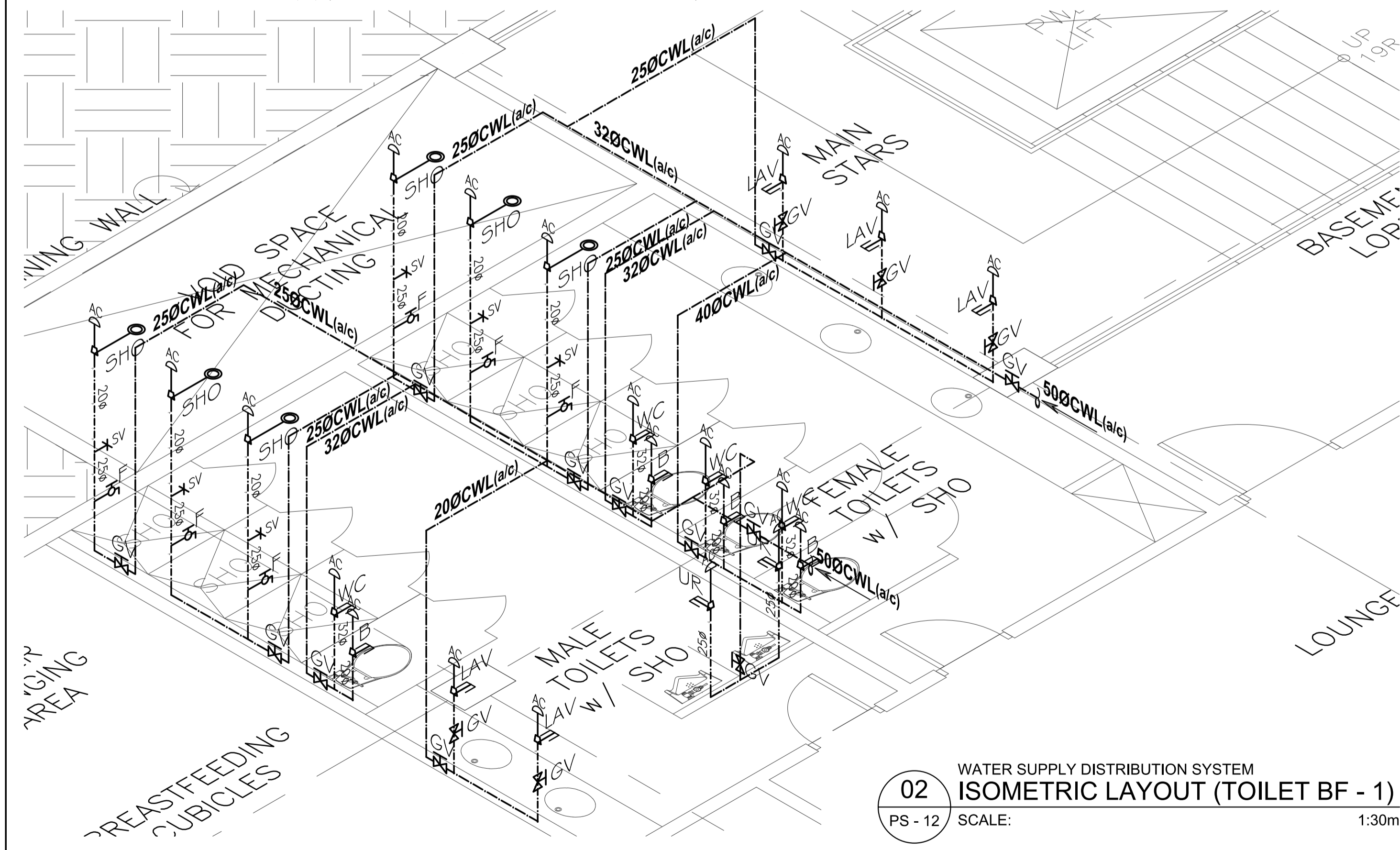
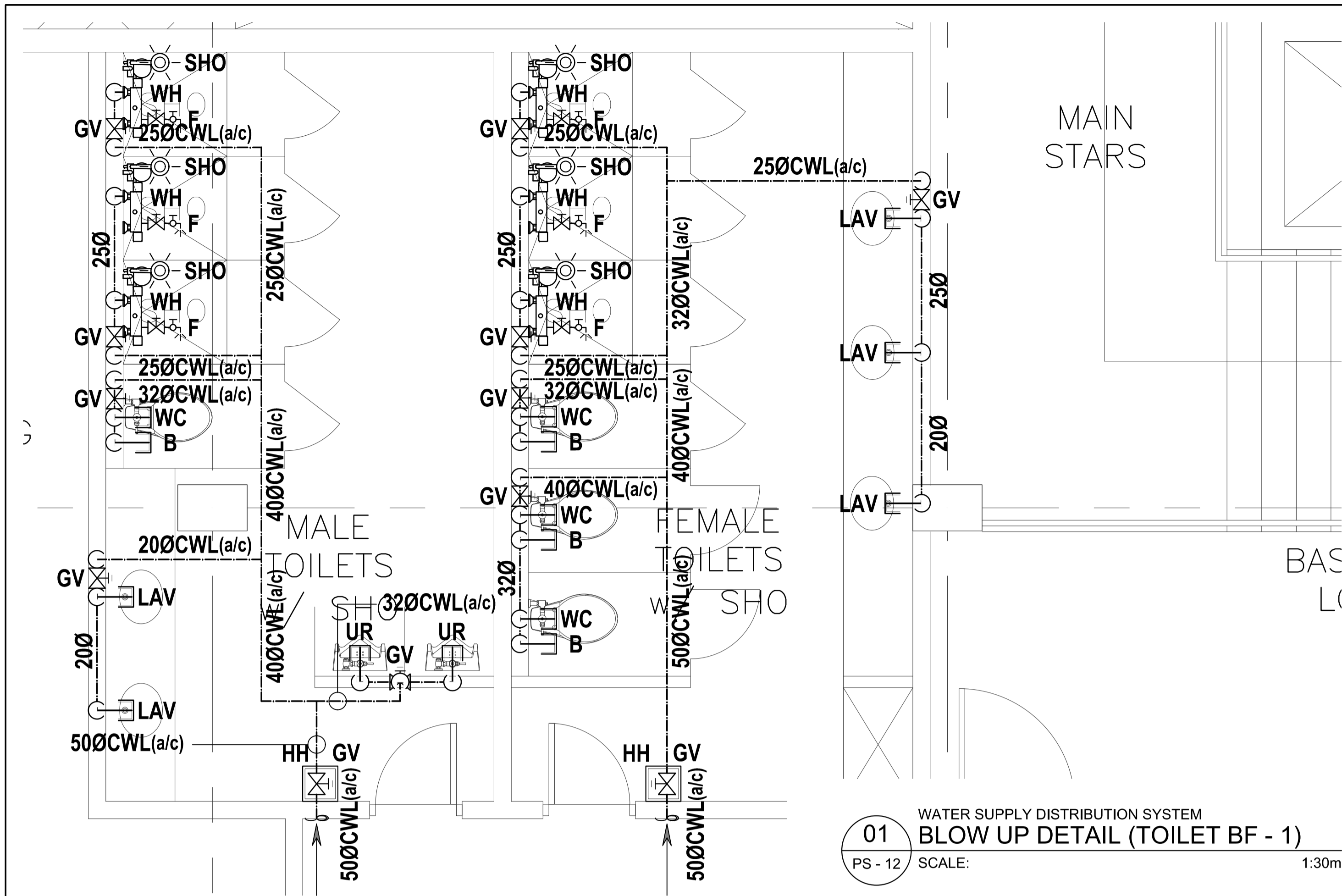
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
SANITARY SEWER & VENT SYSTEM  
- ROOF

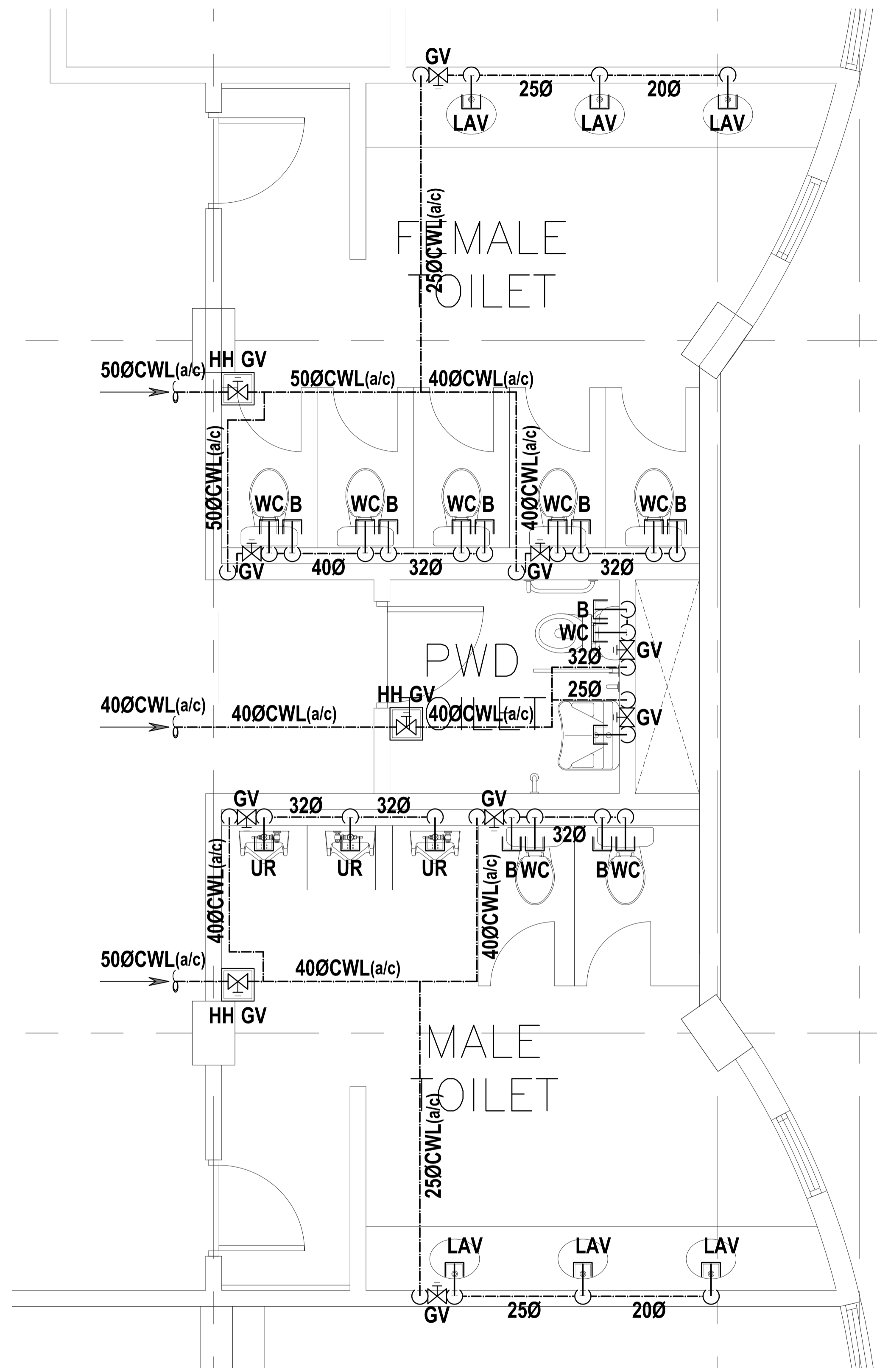
SHEET NO:  
**PS**  
11 21



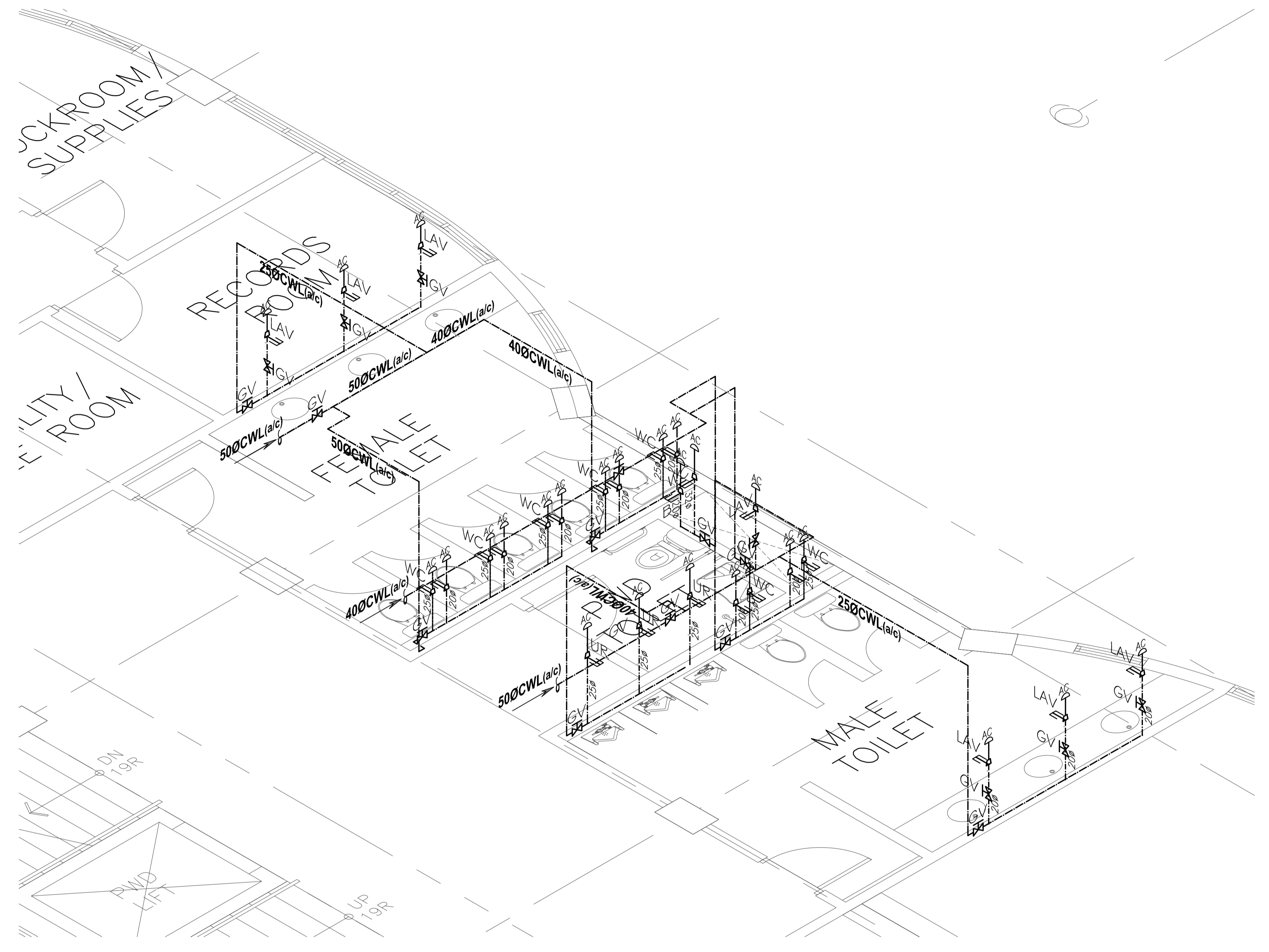


<b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER: <b>VICTORIA ADEKER</b> SANITARY ENGINEER	REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: BLOW UP DETAIL & ISOMETRIC LAYOUT - WATER SUPPLY DISTRIBUTION SYSTEM	SHEET NO.: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> <b>PS</b>  <hr/> <b>12 21</b> </div> </div>
	<small>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LORONGA HEIGHTS, QUEZON CITY, 1108          TEL NOS: 426 7009; 426 90244          FAX NOS: 927 0608; 426 7214</small>	<small>PRC No.: 0001927    PTR No.: 4580635          PRC Validity: March 23, 2024    PTR Date: January 07, 2021          TN No.: 108-318-662    PTR Place: Pasay City</small>	<small>LOCATION: Brgy. Rizal, Odiongan, Romblon</small>					





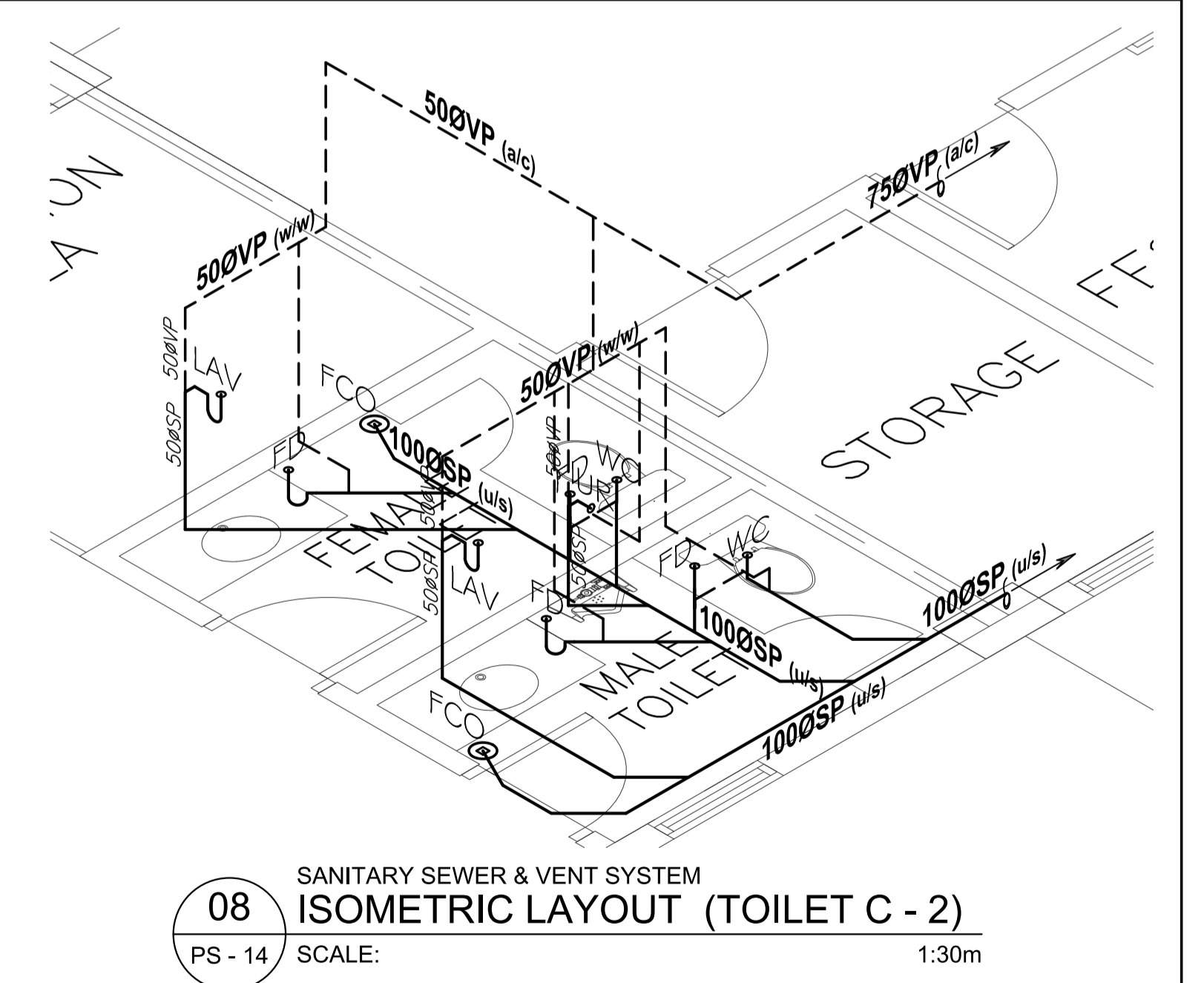
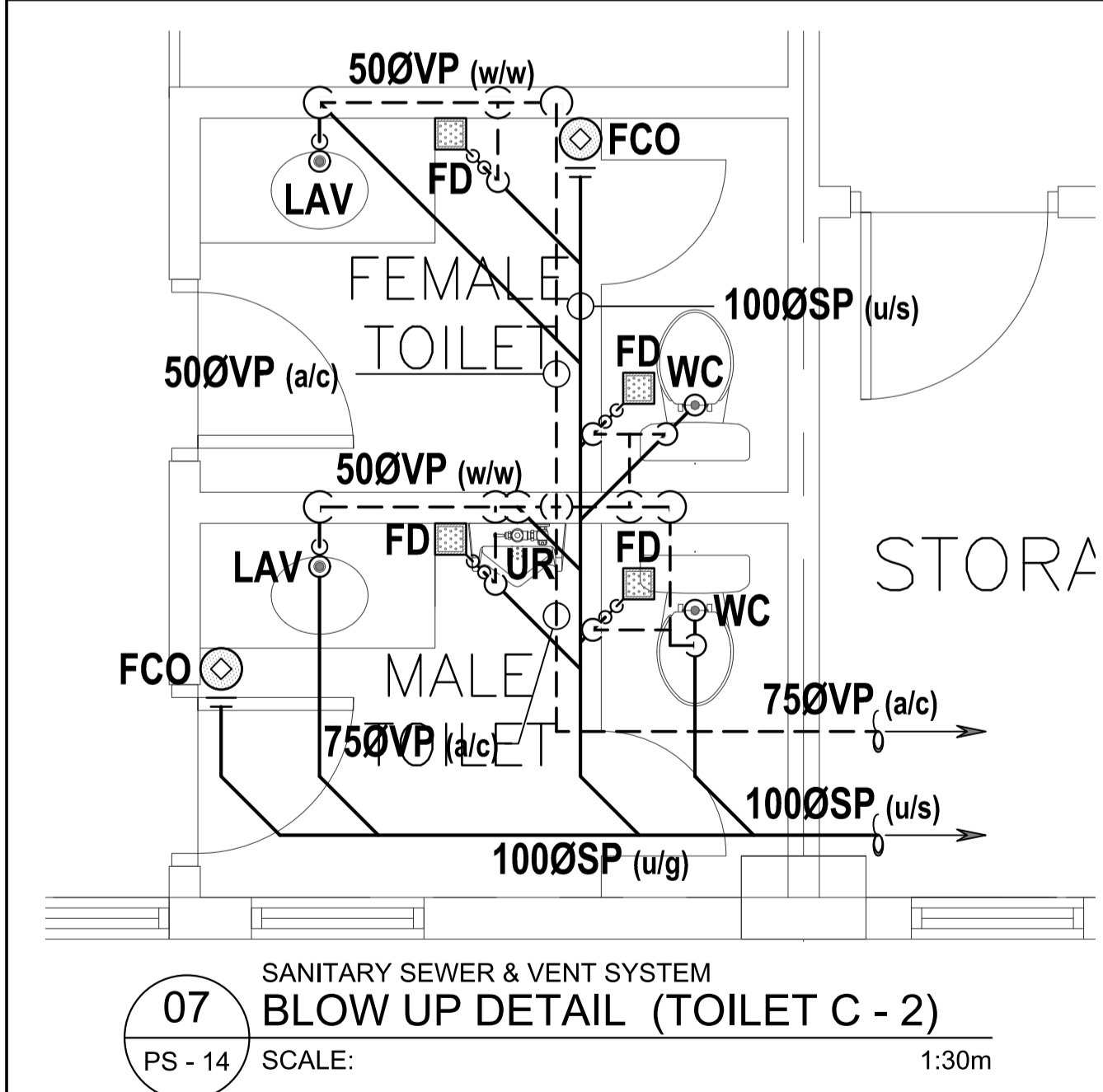
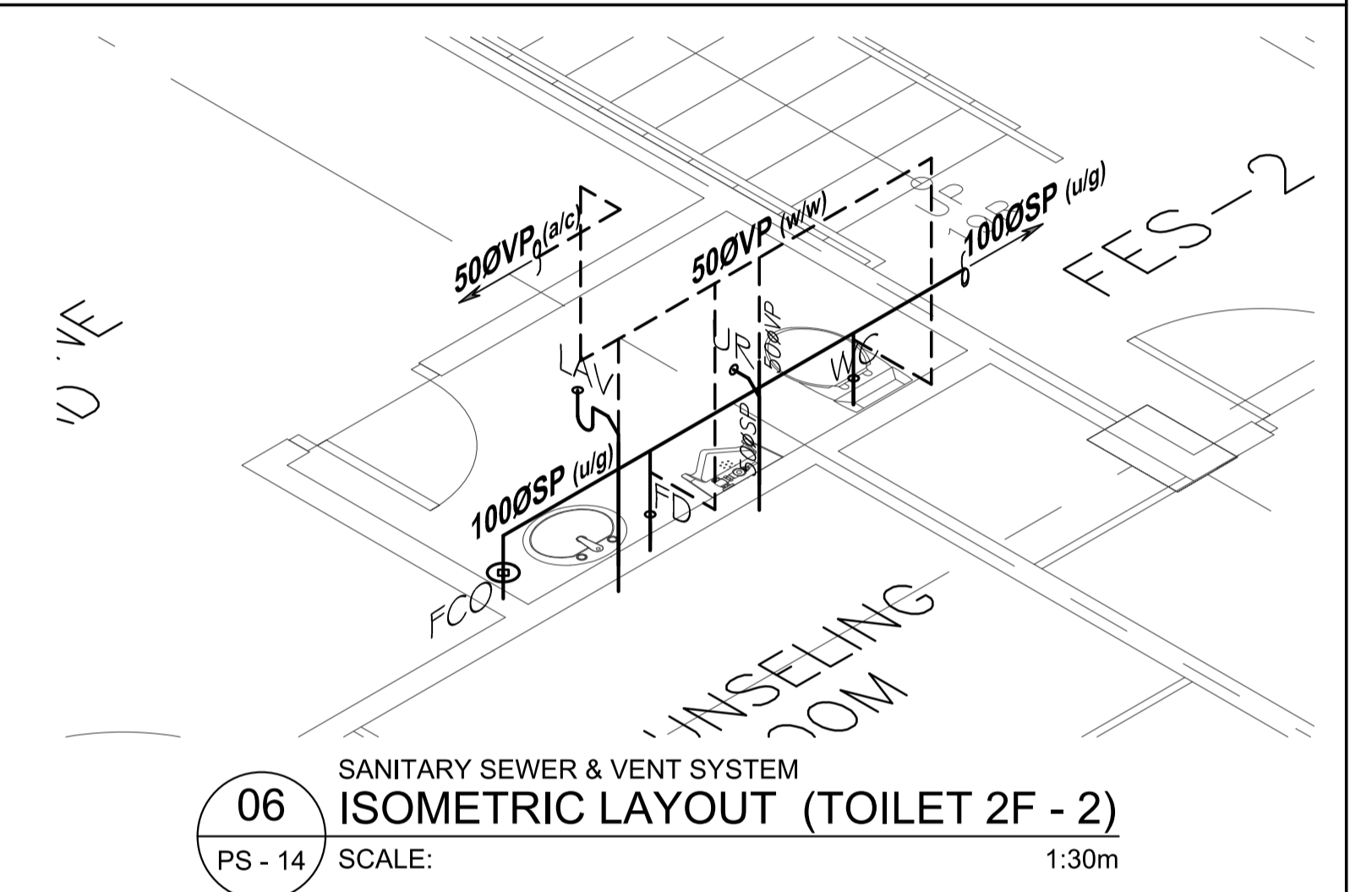
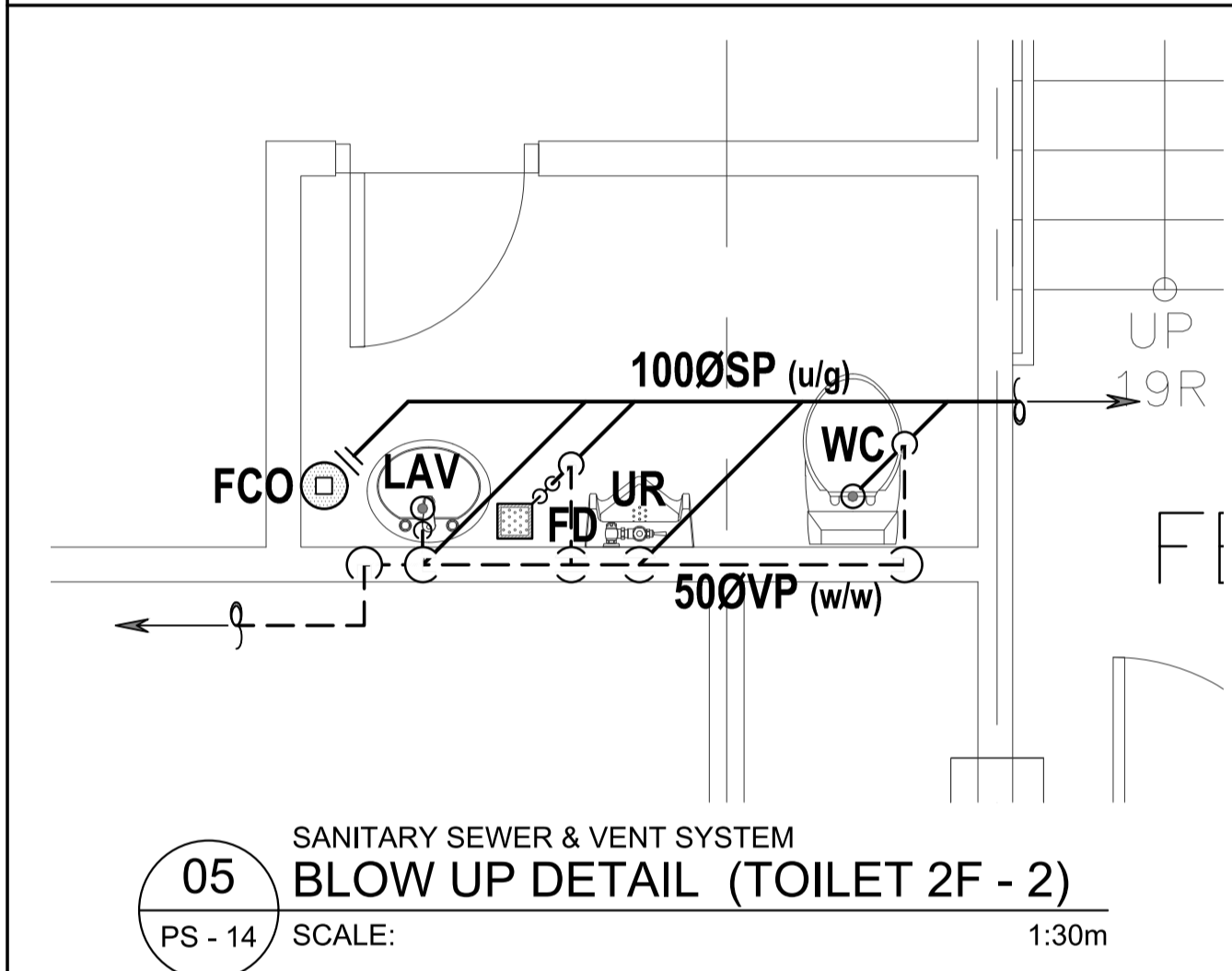
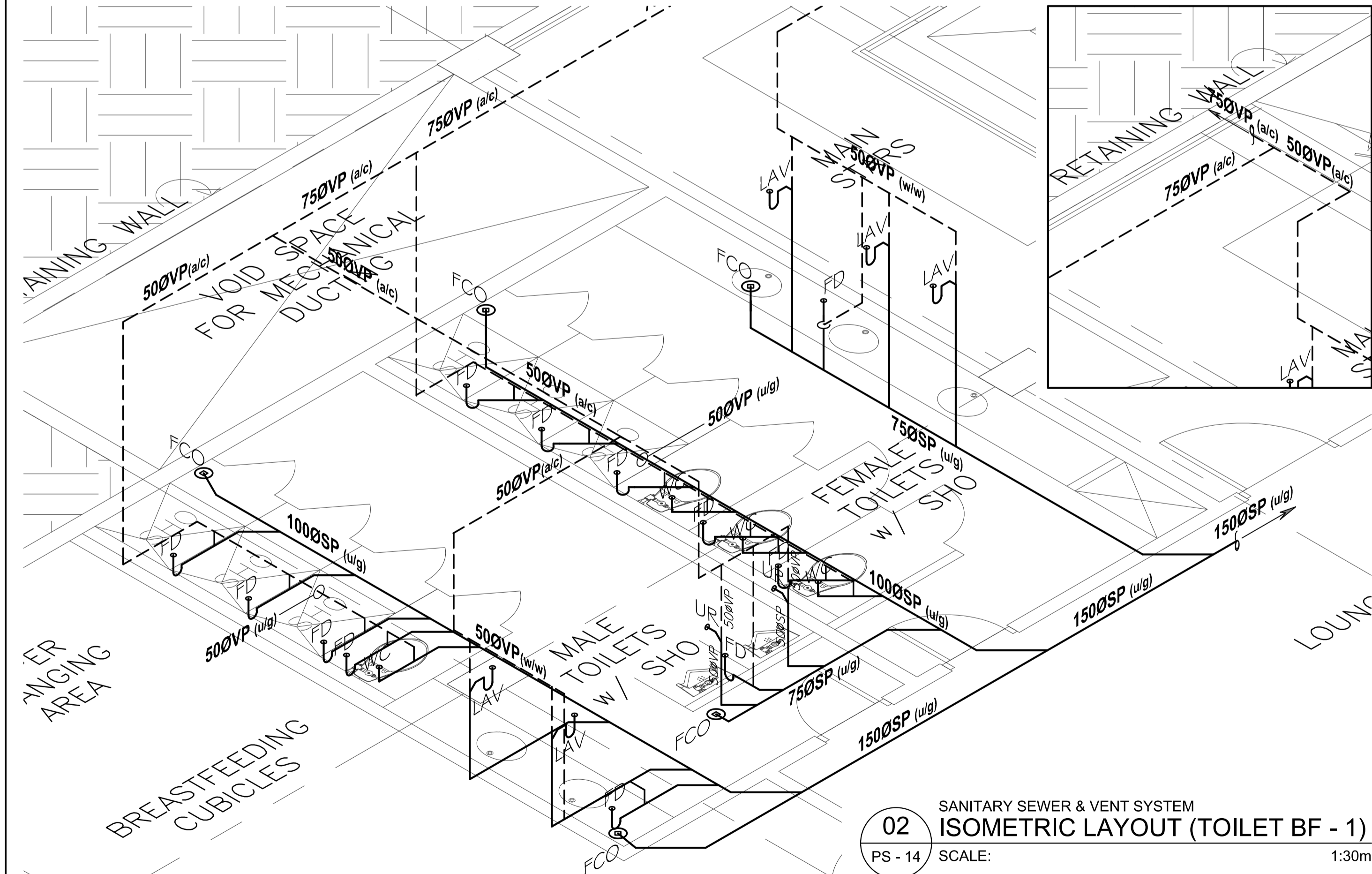
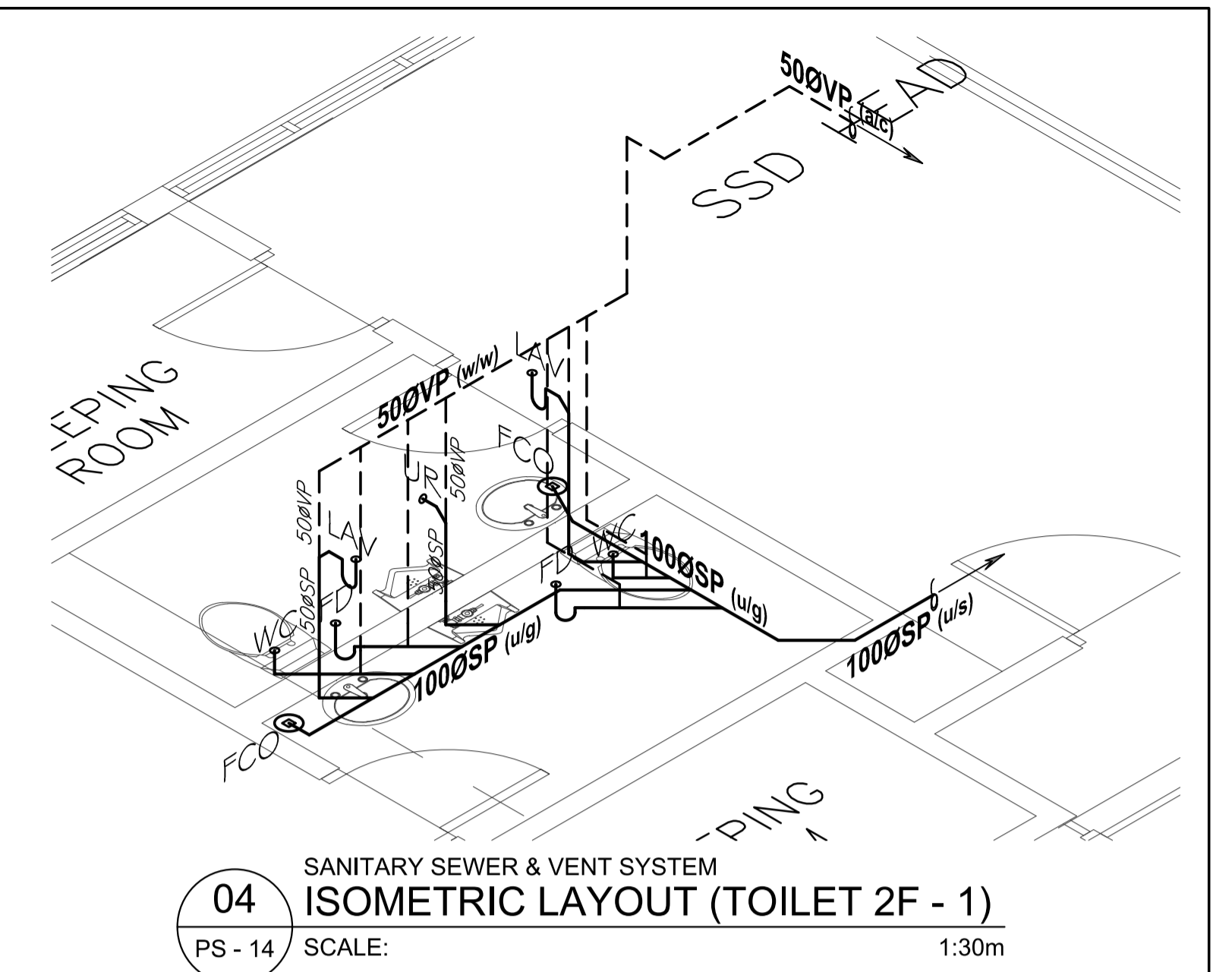
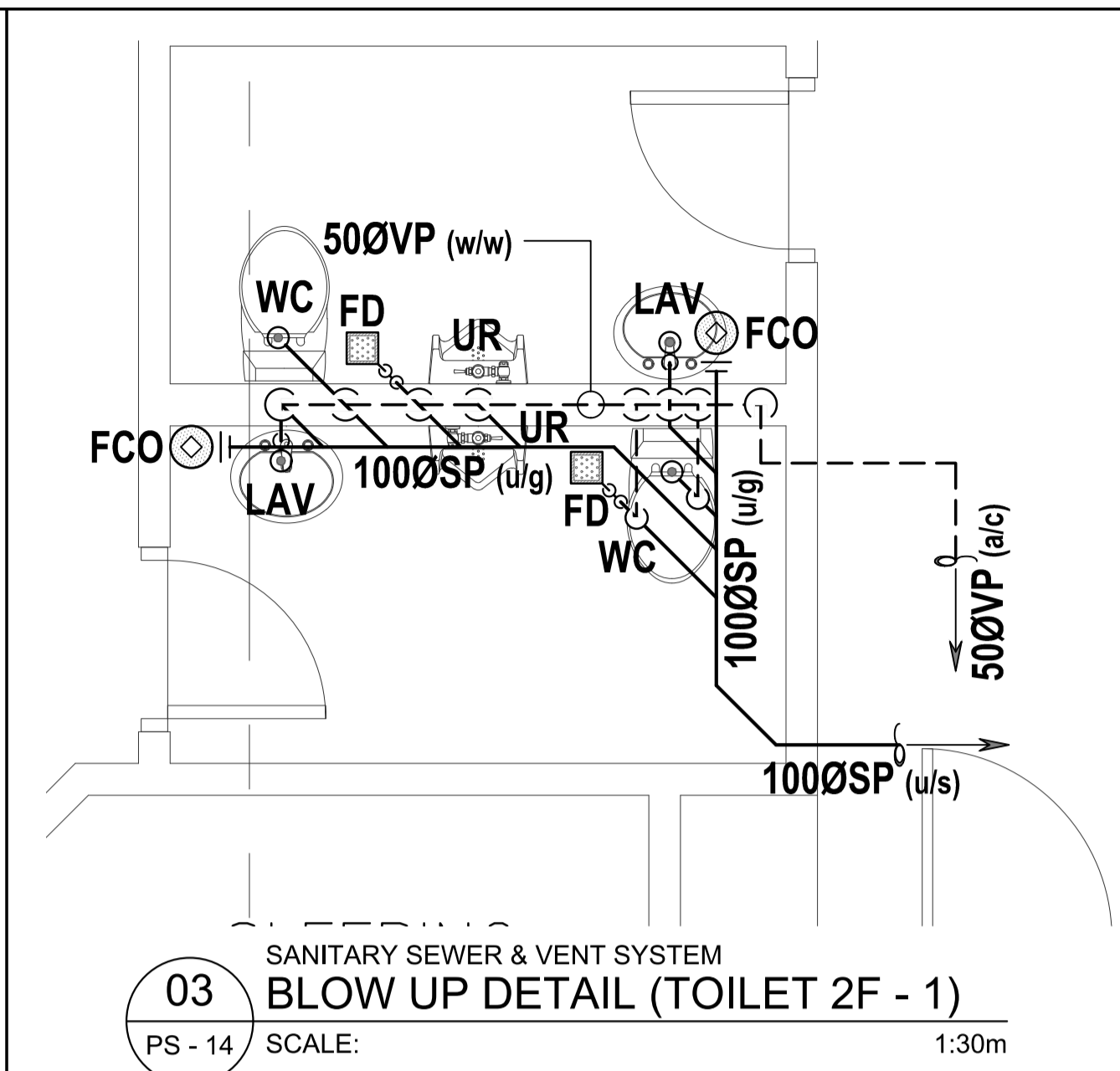
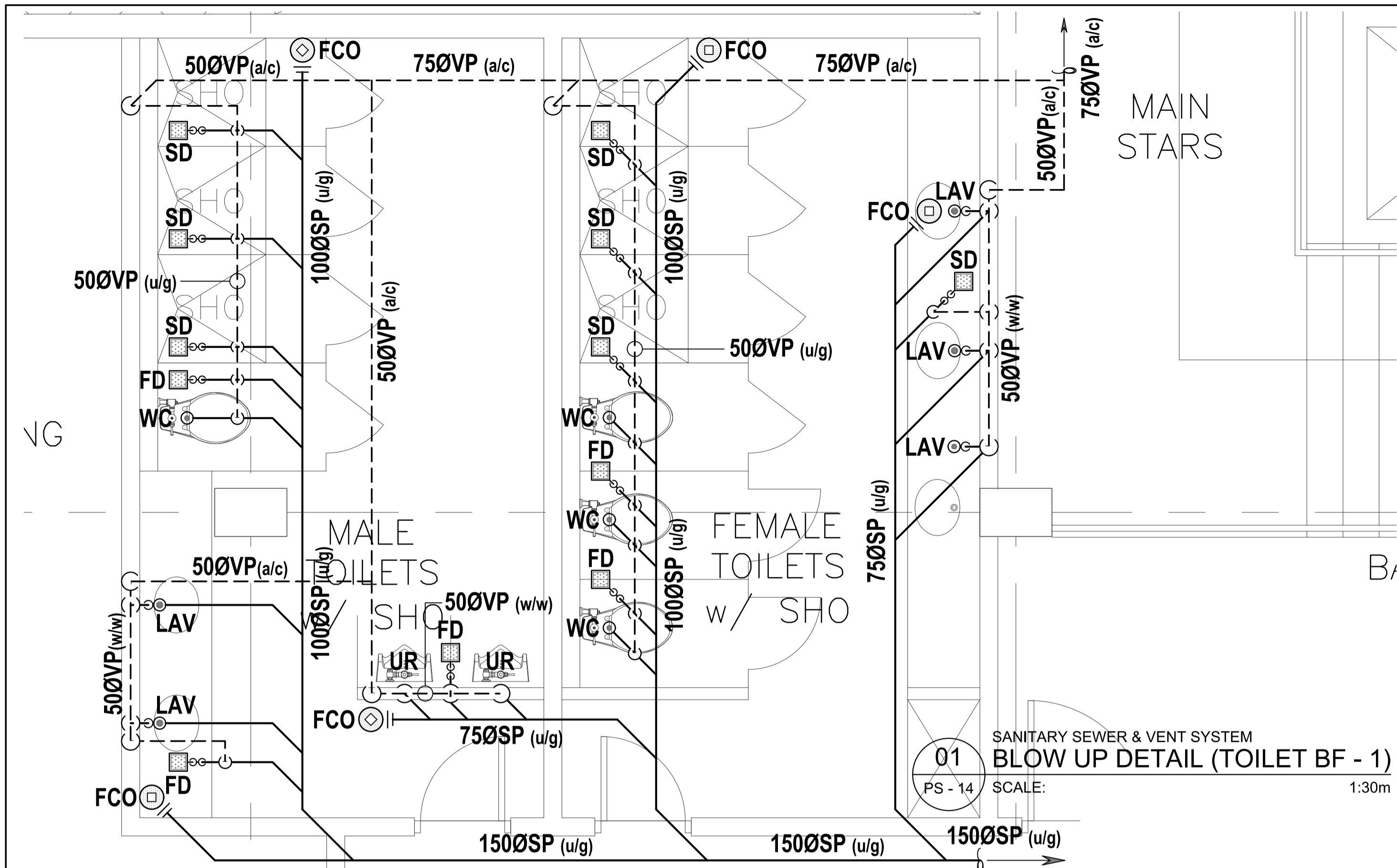
**01** WATER SUPPLY DISTRIBUTION SYSTEM  
**BLOW UP DETAIL (TOILET C - 1)**  
 PS - 13 SCALE: 1:30m



**02** WATER SUPPLY DISTRIBUTION SYSTEM  
**ISOMETRIC LAYOUT (TOILET C - 1)**  
 PS - 13 SCALE: 1:30m

<b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	ENGINEER: <b>VICTORIA ADEKER</b> SANITARY ENGINEER PRC No.: 0001927 PTR No.: 4580635 PRC Validity: March 23, 2024 PTR Date: January 07, 2021 TN No.: 108-318-662 PTR Place: Pasay City	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: BLOW UP DETAIL & ISOMETRIC LAYOUT - WATER SUPPLY DISTRIBUTION SYSTEM	SHEET NO.: 
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LAYOGS HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214							





**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM  
NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108  
TEL. NOS.: 426 7009; 426 3002 TO 04  
FAX NOS.: 927 0608; 426 7214

ENGINEER:	
SANITARY ENGINEER	
PRC No. : -	PTR No. : -
PRC Validity : -	PTR Date : -
TIN No. : -	PTR Place : -

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

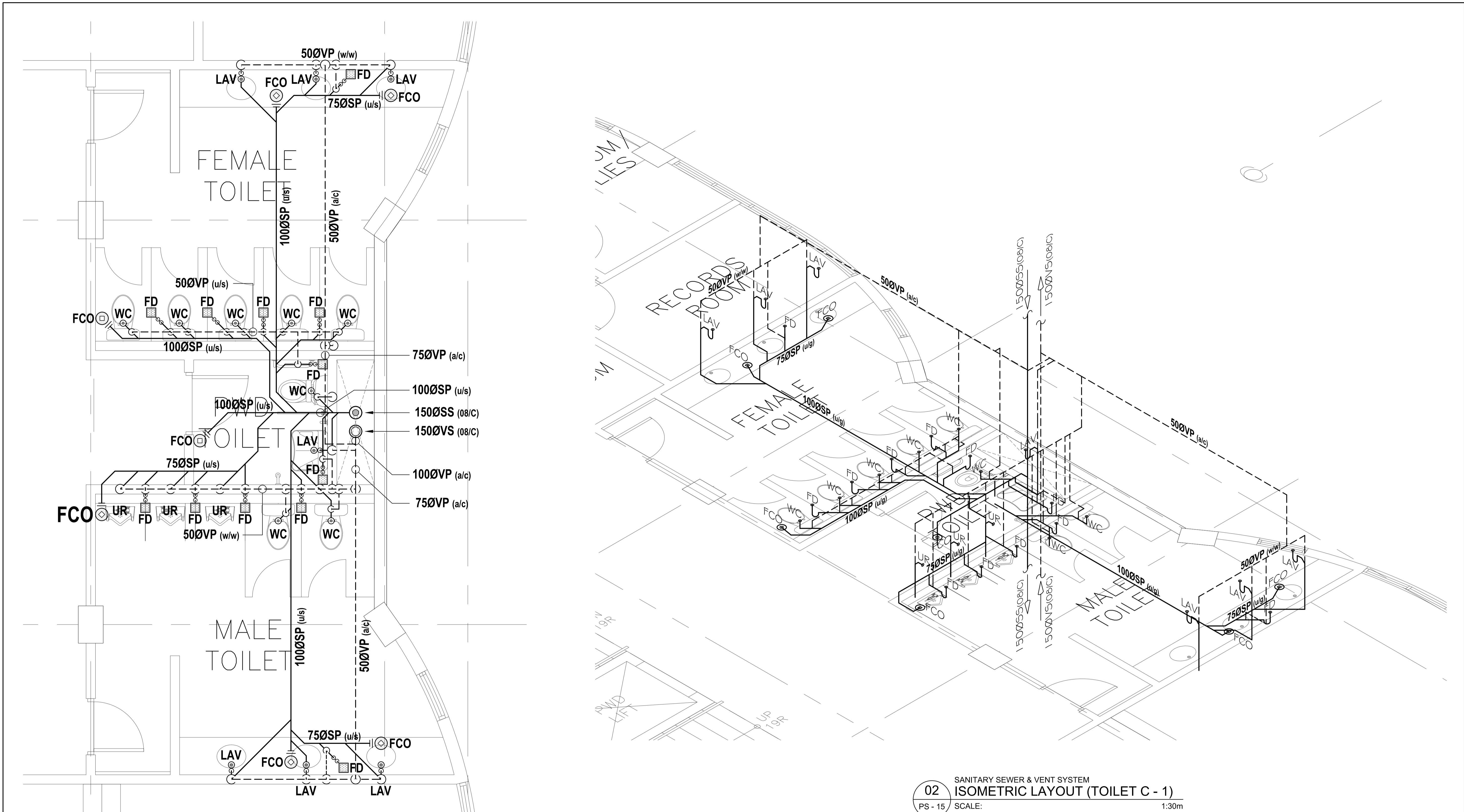
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
BLOW UP DETAIL & ISOMETRIC LAYOUT  
- SANITARY SEWER & VENT SYSTEM

SHEET NO.:

**PS**  
14 21





01 SANITARY SEWER & VENT SYSTEM  
 BLOW UP DETAIL (TOILET C - 1)  
 PS - 15 SCALE: 1:30m

02 SANITARY SEWER & VENT SYSTEM  
 ISOMETRIC LAYOUT (TOILET C - 1)  
 PS - 15 SCALE: 1:30m

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM  
 NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108  
 TEL. NOS.: 426 7009; 426 3002 TO 04  
 FAX NOS.: 927 0608; 426 7214

ENGINEER:	
SANITARY ENGINEER	
PRC No. : -	PIR No. : -
PRC Validity : -	PIR Date : -
TIN No. : -	PIR Place : -

REPUBLIC ACT 9266

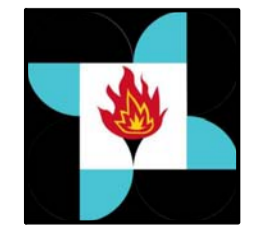
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
 ACADEMIC BUILDING II /  
 MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:



REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:

BLOW UP DETAIL & ISOMETRIC LAYOUT  
 - SANITARY SEWER & VENT SYSTEM

SHEET NO:

**PS**  
 15 21

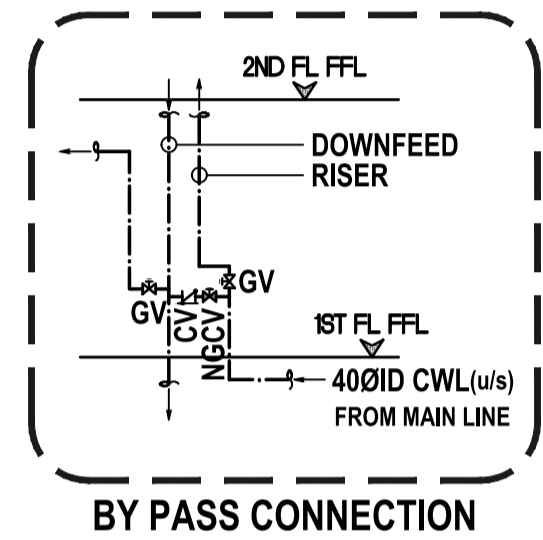
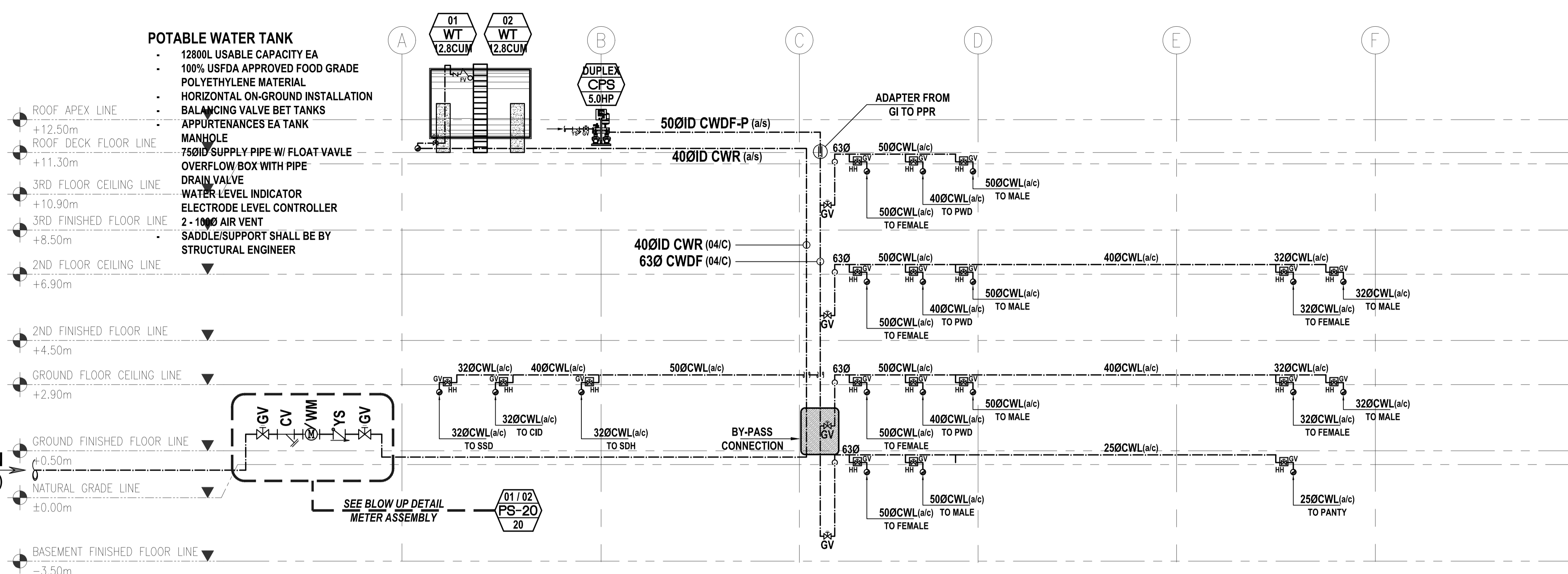


- NOTES:**
- POTABLE WATER TANKS ARE NOT INCLUDED IN THE SCOPE OF WORK BY GENERAL CONTRACTOR.
  - CONSTANT PRESSURE SYSTEM IS NOT INCLUDED IN THE SCOPE OF WORK BY GENERAL CONTRACTOR.
  - THE GENERAL CONTRACTOR SHALL PROVIDE ONLY STUB AFTER THE WATER METER ASSEMBLY.
  - THE GENERAL CONTRACTOR SHALL PROVIDE ONLY STUB BEFORE THE MAIN WATER RISER FOR TAPPING OF DISCHARGE LINE FROM PUMPING SYSTEM.

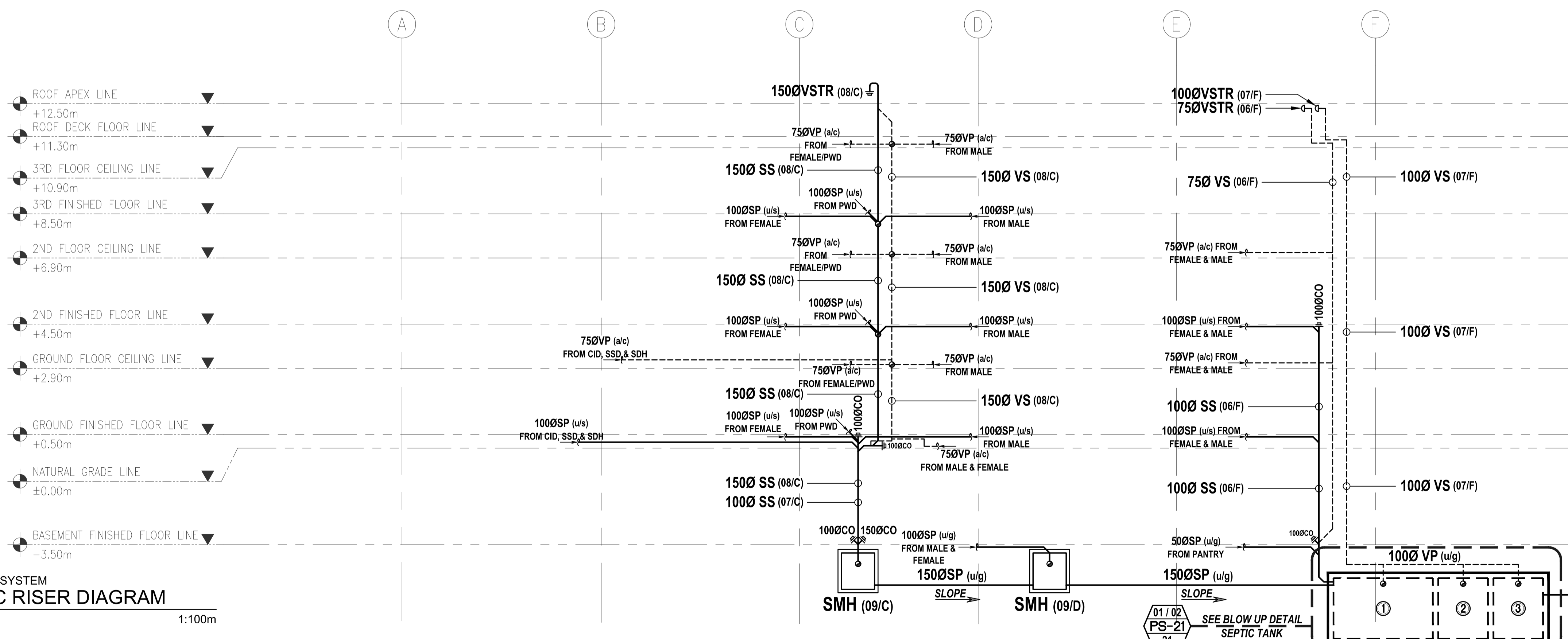
- CONSTANT PRESSURE SYSTEM**
- DUPLEX SETTING
  - VERTICAL IN-LINE TYPE
  - VARIABLE FREQUENCY DRIVE SYSTEM
  - COMPACT TYPE
  - 60GPM VS 90FT TDH (5.0HP) EA PUMP
  - 120GPM TOTAL FLOW REQUIREMENT
  - COMPLETE WITH NECESSARY ACCESSORIES & APPURTENANCES
  - ACTUAL LOCATION OF PUMP IS SUBJECT TO ARCHITECT PREFERENCE
  - PUMP HOUSE SHALL BE PROVIDED

- POTABLE WATER TANK**
- 12800L USABLE CAPACITY EA
  - 100% USFDA APPROVED FOOD GRADE POLYETHYLENE MATERIAL
  - HORIZONTAL ON-GROUND INSTALLATION
  - BALANCING VALVE BET TANKS
  - APPURTENANCES EA TANK
  - MANHOLE
  - 75ØID SUPPLY PIPE W/ FLOAT VAVLE
  - OVERFLOW BOX WITH PIPE
  - DRAIN VALVE
  - WATER LEVEL INDICATOR
  - ELECTRODE LEVEL CONTROLLER
  - 2 - 100Ø AIR VENT
  - SADDLE/SUPPORT SHALL BE BY STRUCTURAL ENGINEER

**40ØID CWL MAIN CONNECTION**  
(FROM MAIN WATER DISTRIBUTION LINE)



**01** WATER SUPPLY DISTRIBUTION SYSTEM  
**SCHEMATIC RISER DIAGRAM**  
PS - 16 SCALE: 1:100m



- SEPTIC TANK**
- RC TYPE STRUCTURE
  - WATERTIGHT TANK
  - UNDERGROUND
  - CHAMBER 1 (5170GALS)  
3300(w)x3300(l)x1800(WW<sub>d</sub>)
  - CHAMBER 2 (2510GALS)  
3300(w)x1650(l)x1750(WW<sub>d</sub>)
  - CHAMBER 3 (2440GALS)  
3300(w)x1650(l)x1750(WW<sub>d</sub>)
  - COMPLETE EA CHAMBER W/ AIRTIGHT MANHOLE
  - STAINLESS LADDER RUNG
  - 100Ø VENT PIPE TO 100Ø COLLECTOR PIPE
- 150ØSP EFFLUENT PIPE (TO BE TAPPED TO NEAREST DRAINAGE)

**02** SANITARY SEWER SYSTEM  
**SCHEMATIC RISER DIAGRAM**  
PS - 16 SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM  
NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108  
TEL. NOS.: 426 7009; 426 3002 TO 04  
FAX NOS.: 927 0608; 426 7214

ENGINEER:	
PRC No. : -	PTR No. : -
PRC Validity : -	PTR Date : -
TIN No. : -	PTR Place : -

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT: PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

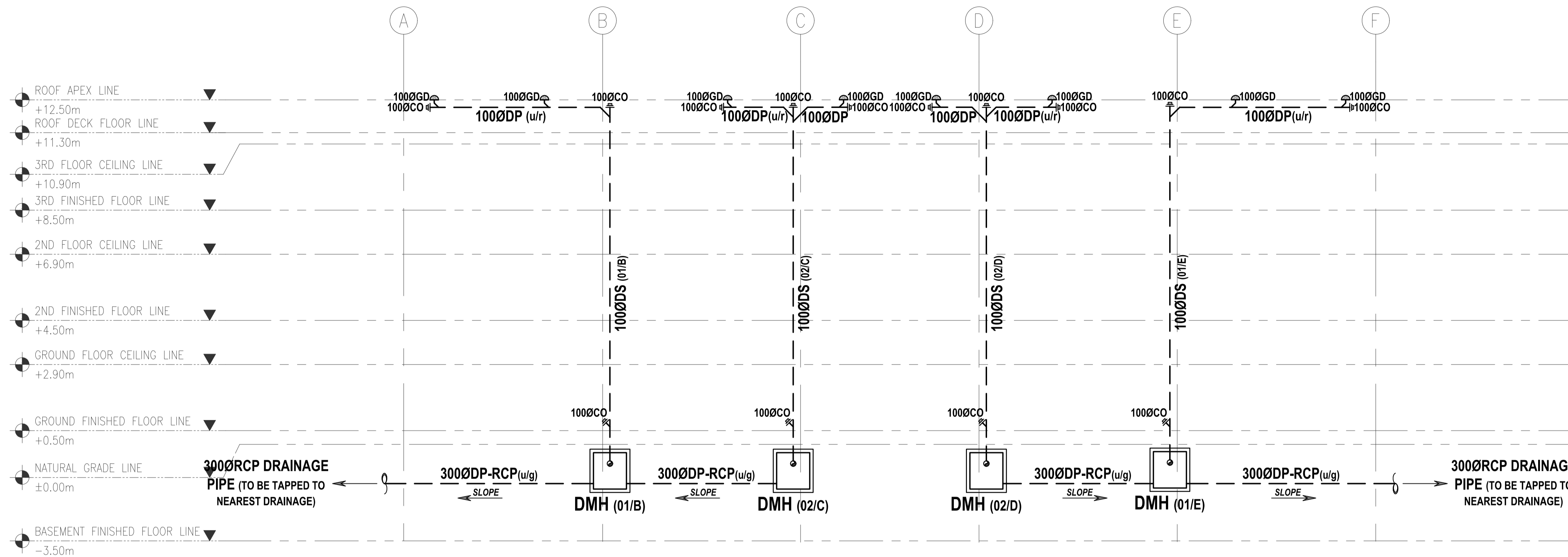
SHEET CONTENTS:

- SCHEMATIC RISER DIAGRAM
- WATER SUPPLY DISTRIBUTION SYSTEM
- SANITARY SEWER SYSTEM

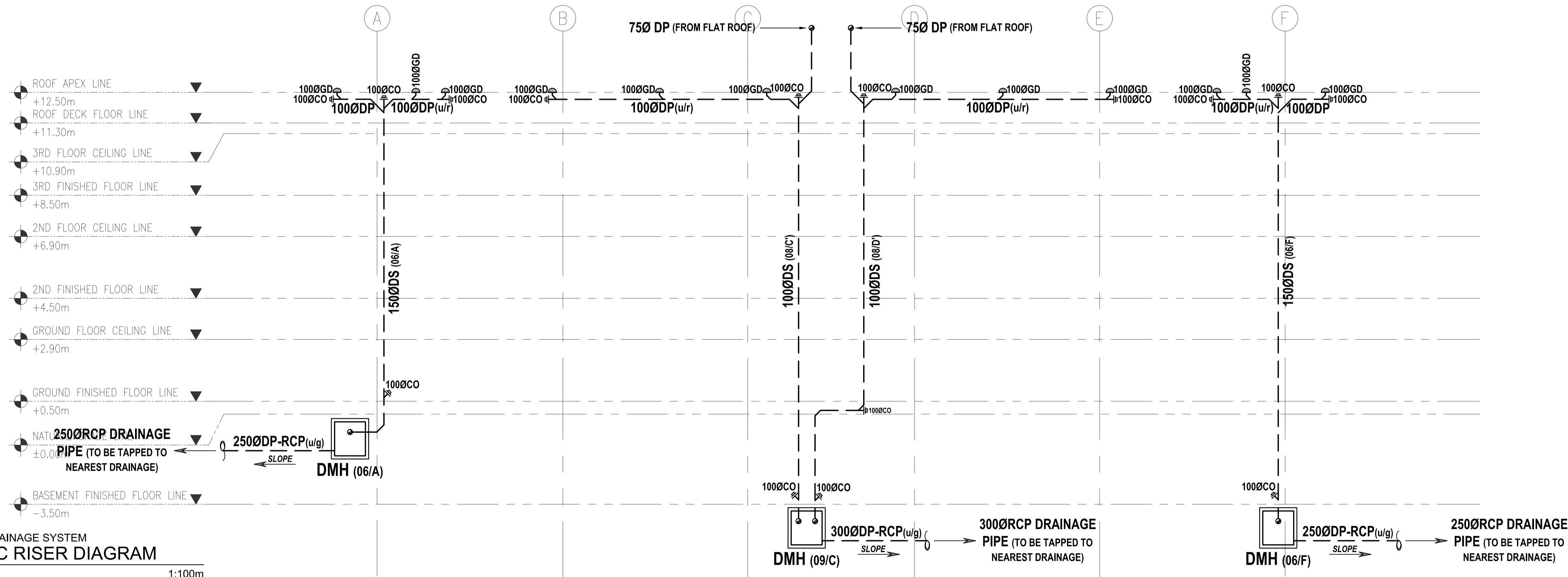
SHEET NO:

**PS**  
16 21





**01** STORMWATER DRAINAGE SYSTEM  
**SCHEMATIC RISER DIAGRAM**  
 PS - 16 SCALE: 1:100m



**02** STORMWATER DRAINAGE SYSTEM  
**SCHEMATIC RISER DIAGRAM**  
 PS - 17 SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM  
 NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108  
 TEL. NOS.: 426 7009; 426 3002 TO 04  
 FAX NOS.: 927 0608; 426 7214

ENGINEER:	
SANITARY ENGINEER	
PRC No. : -	PIR No. : -
PRC Validity : -	PIR Date : -
TIN No. : -	PIR Place : -

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 SCHEMATIC RISER DIAGRAM  
 - STORMWATER DRAINAGE SYSTEM  
 GRIDS 1 - 4 & 5 - 9

SHEET NO:  
**PS 17 21**



TABLE OF DIMENSIONS (inches)

MODEL NO.	A	B	C	D	E	F	G	H
M-319-58A	2	3	1 13/16	2 1/2	2 3/8	2	2	5
M-319-58B	3	4	2 3/8	3 1/2	3 5/8	3	2	7
M-319-58C	4	5	3 3/4	4 1/2	4 1/8	4	2 1/2	9
M-319-58D	6	7 7/8	5 3/4	7 3/8	6 1/4	6	3 1/2	13

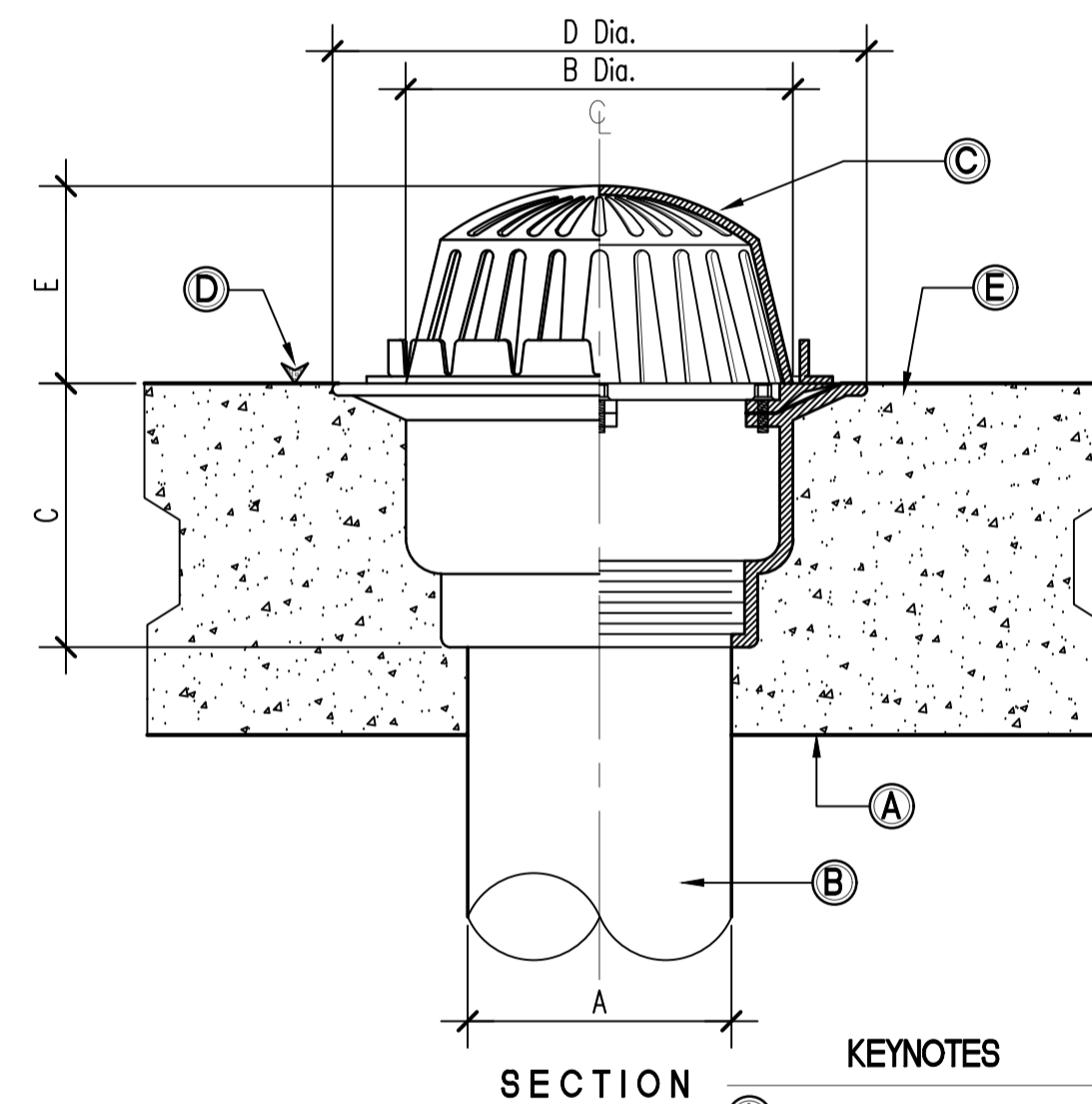
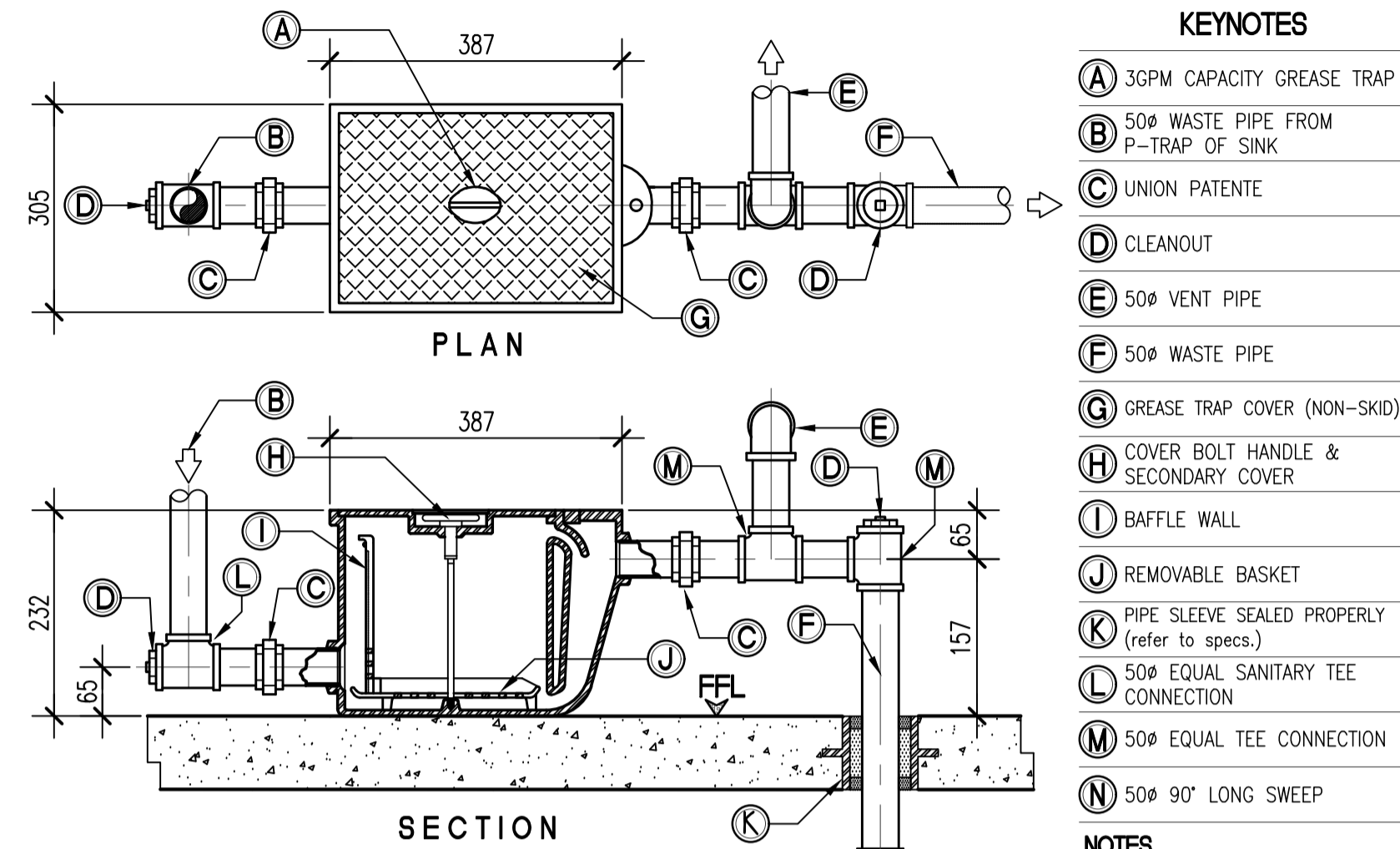
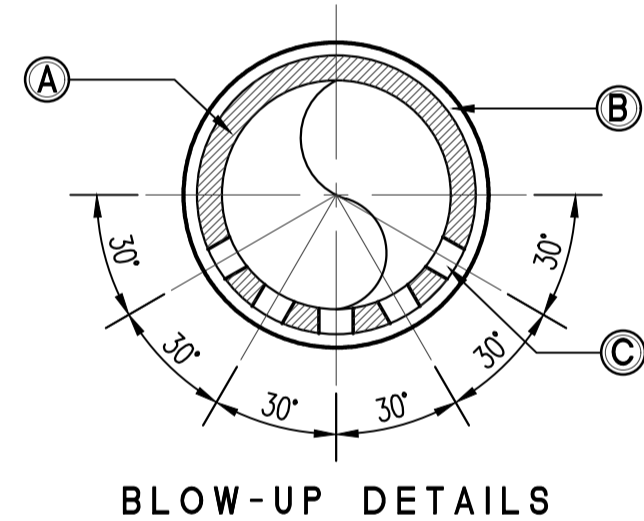
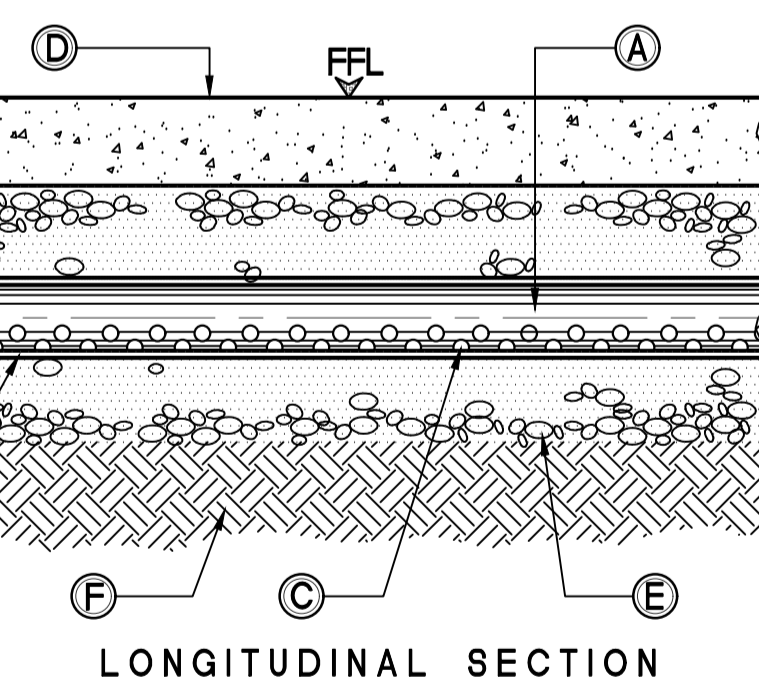
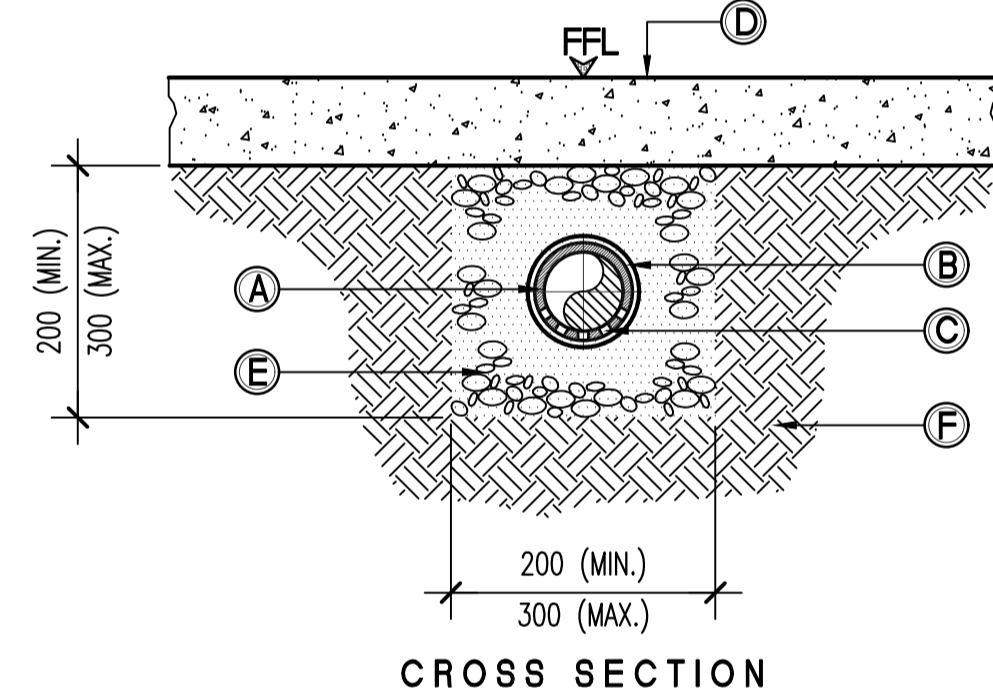
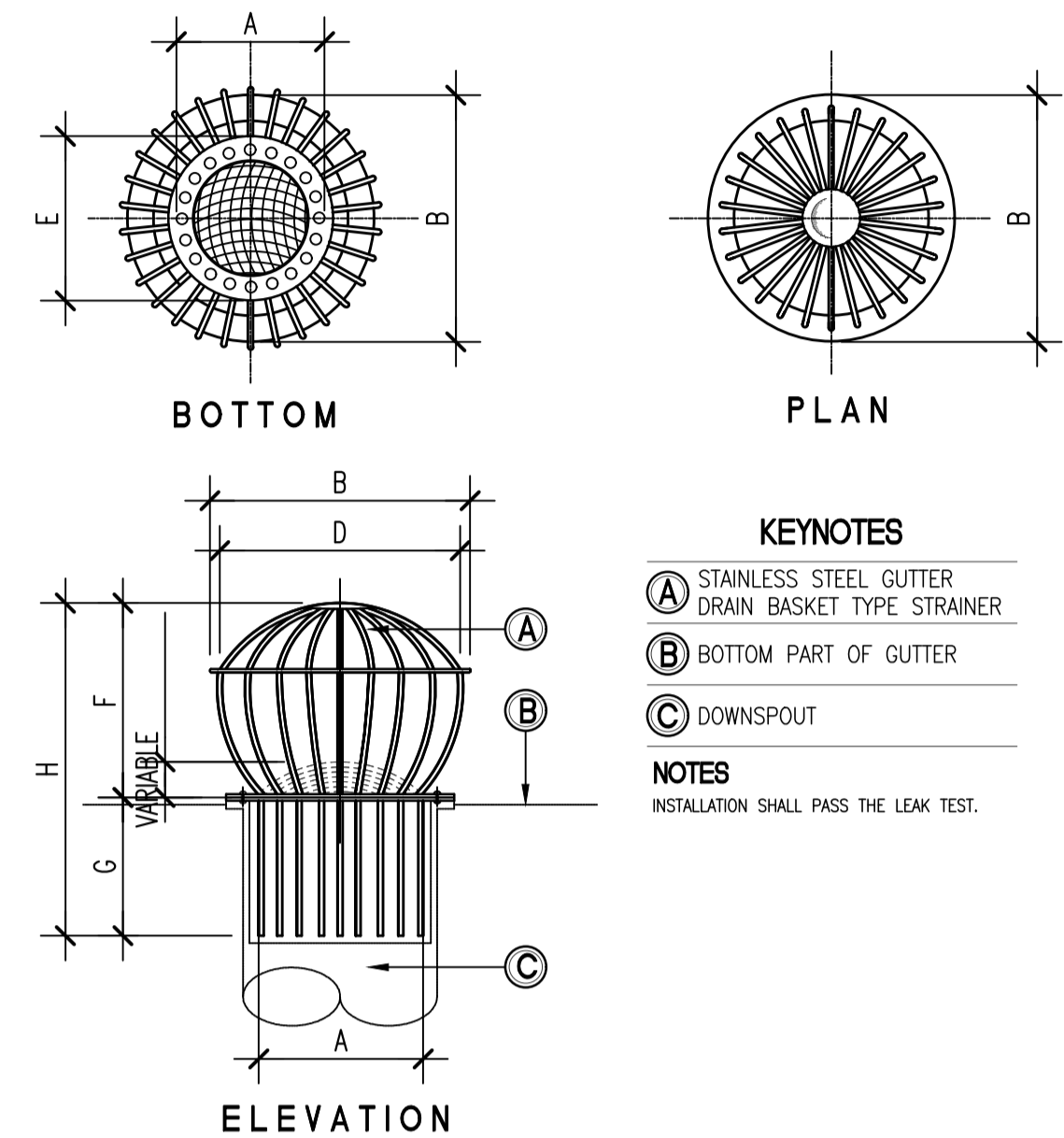
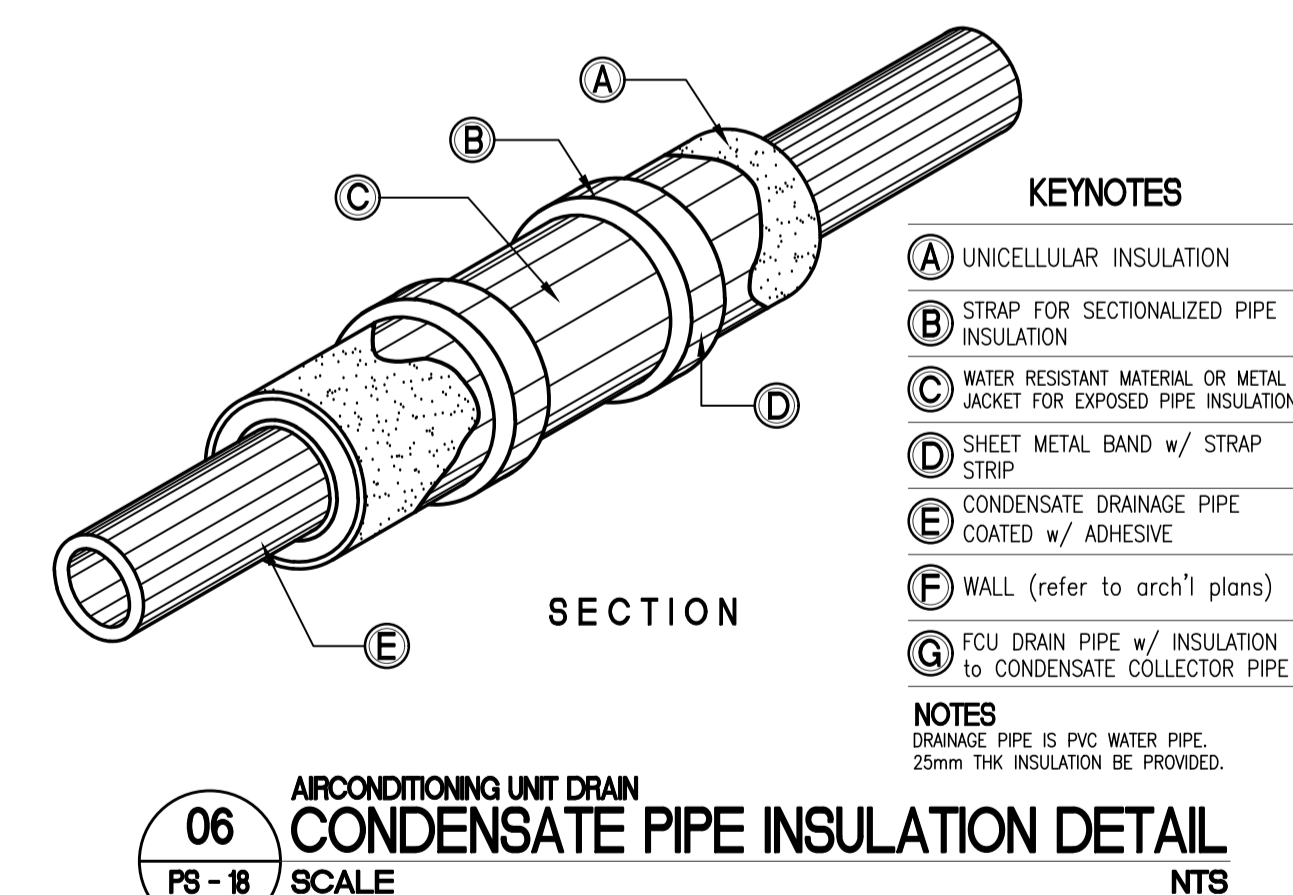
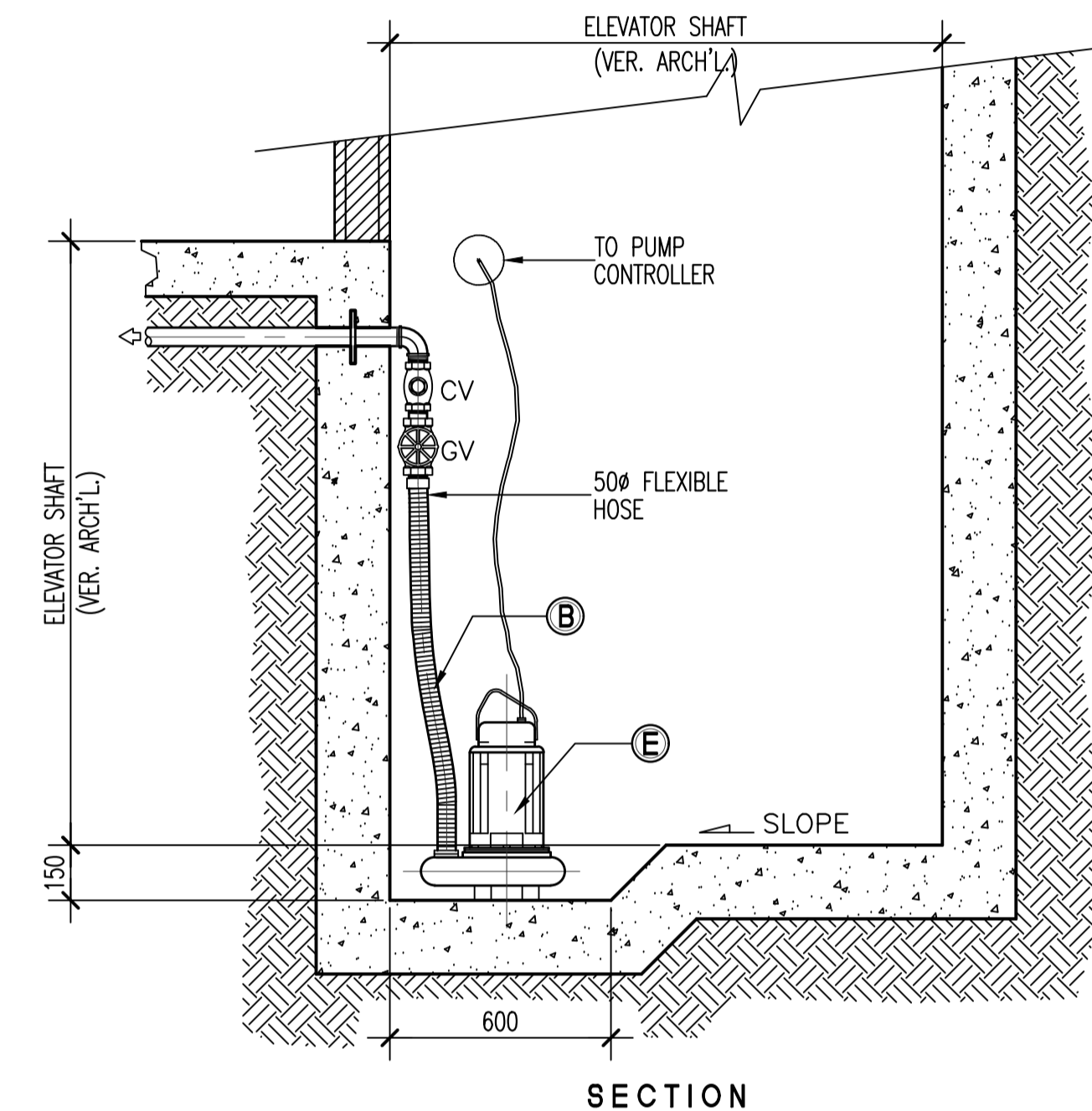
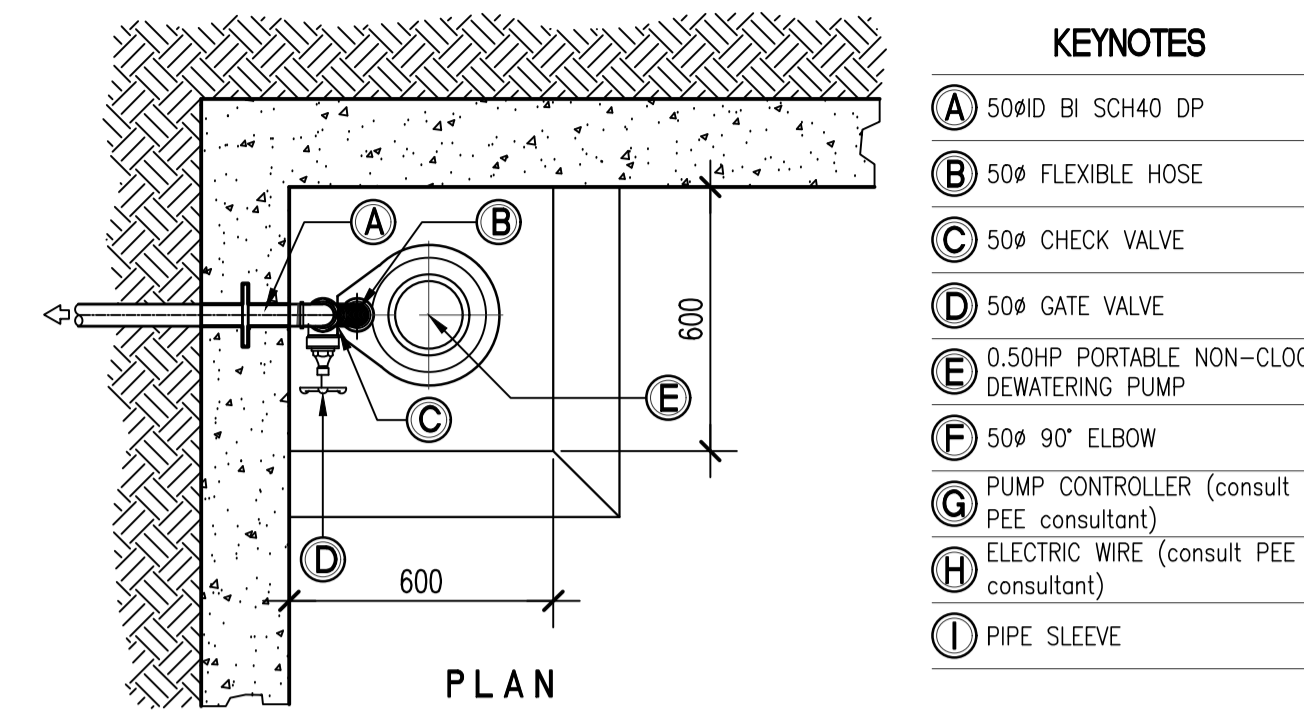
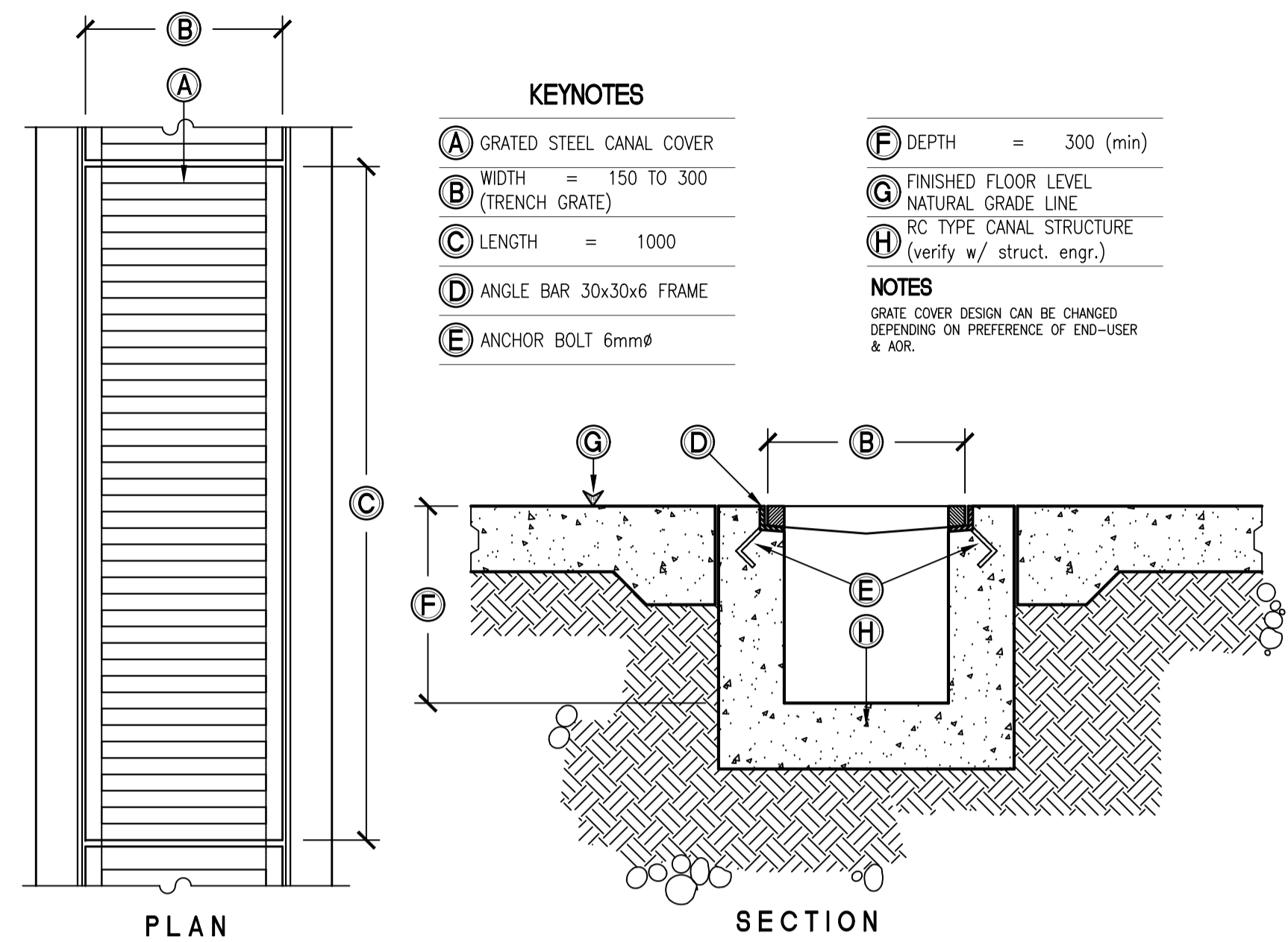


TABLE OF DIMENSIONS

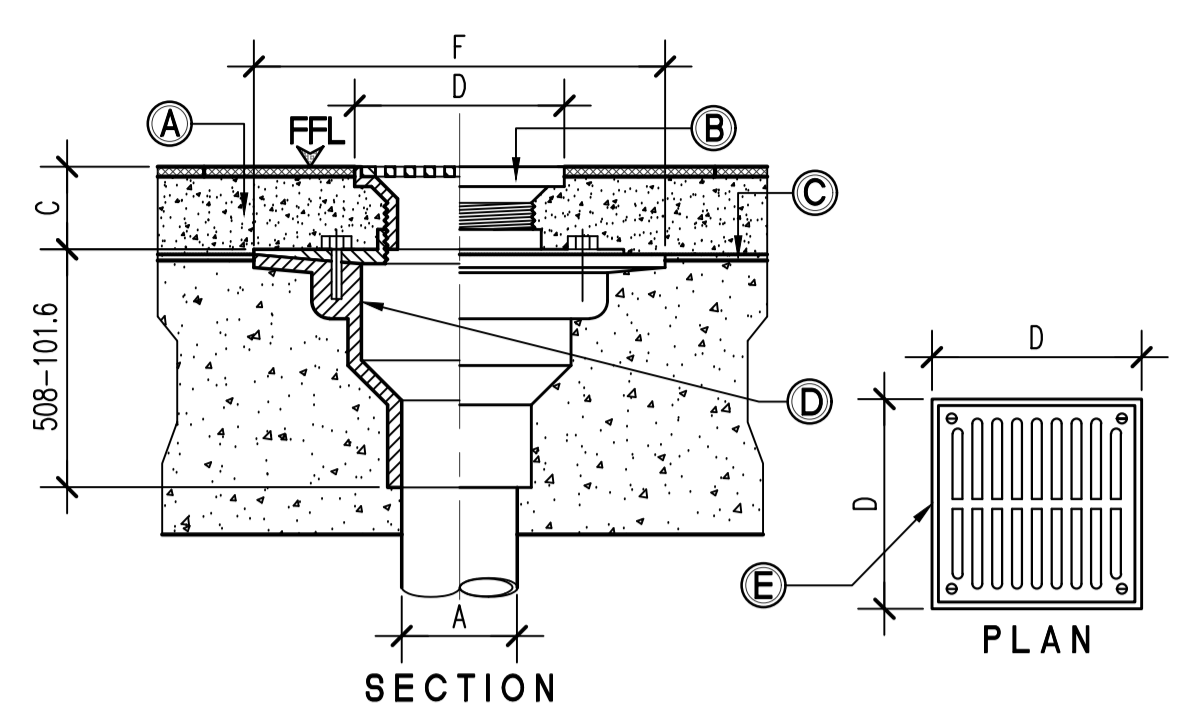
PIPE SIZE	DIMENSIONS IN MM.			
	B	C	D	E
50	177	131	203	82.5
75	177	131	203	82.5
100	177	131	203	82.5
150	177	133	216	82.5







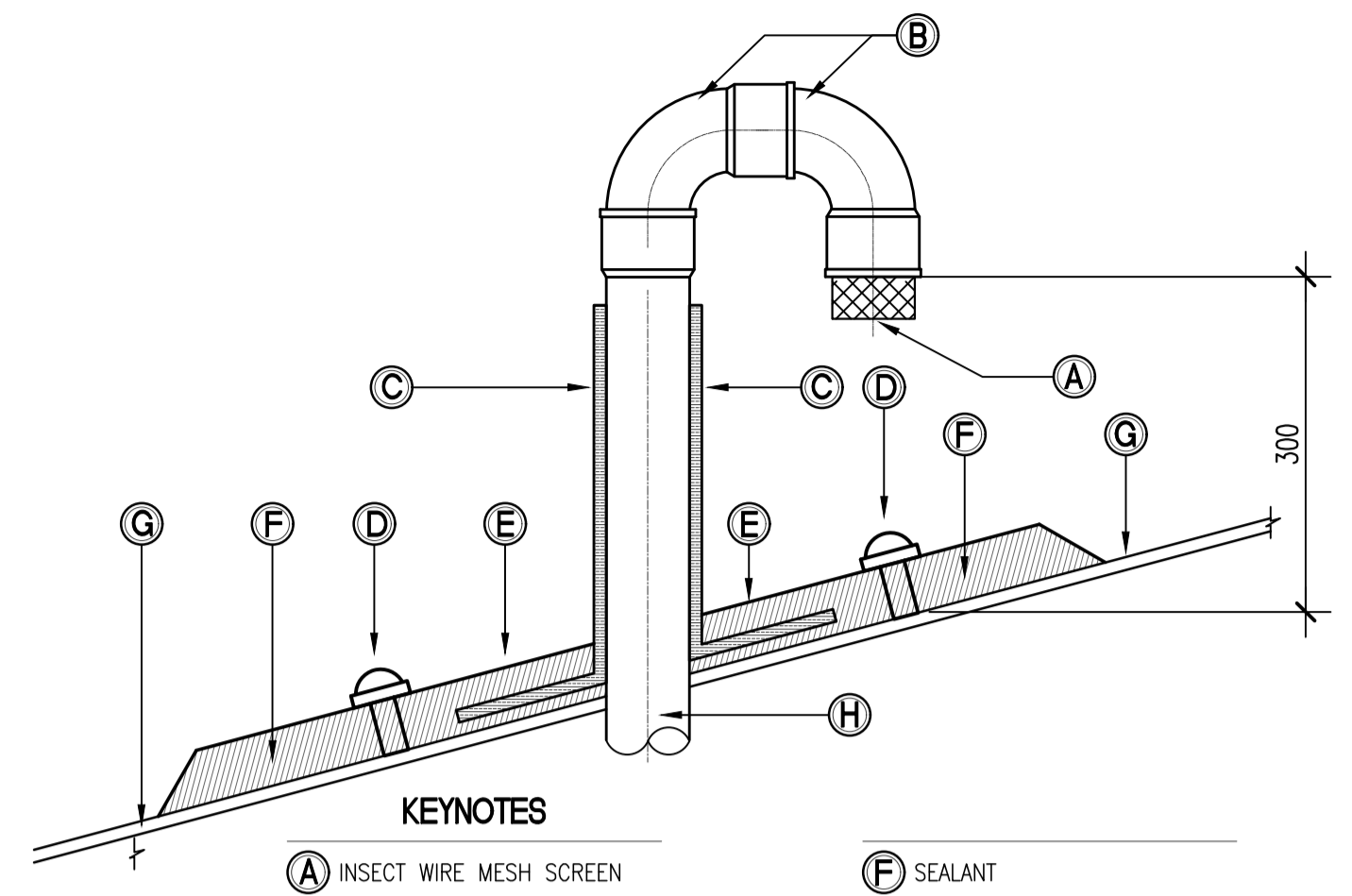
**01** GRATED CANAL T-2 (NON-TRAFFIC RATED) TRENCH DRAINAGE CANAL DETAIL  
PS-19 SCALE 1:20MTS



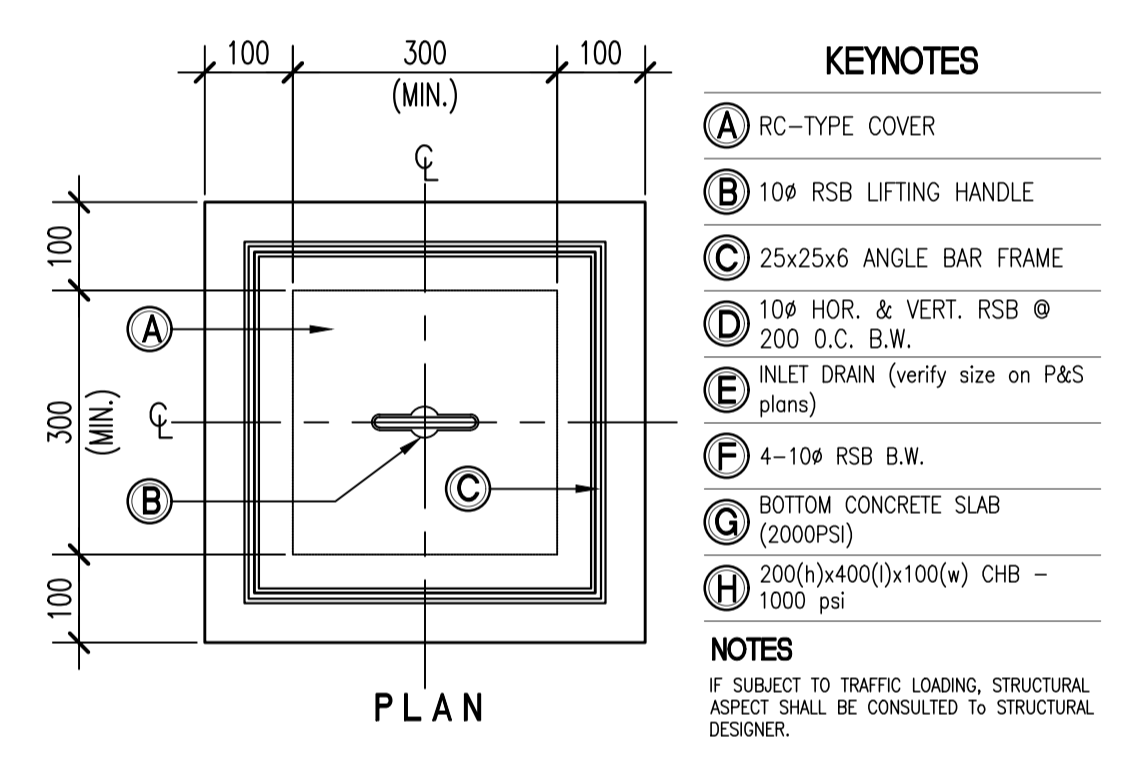
**SCHEDULE OF DIMENSIONS**

PIPE SIZE IN 'A'	C	D	F
50	38.10	100X100	225.42
75	38.10	125X125	225.42
100	40.00	150X150	225.42
150	50.80	200X200	282.57

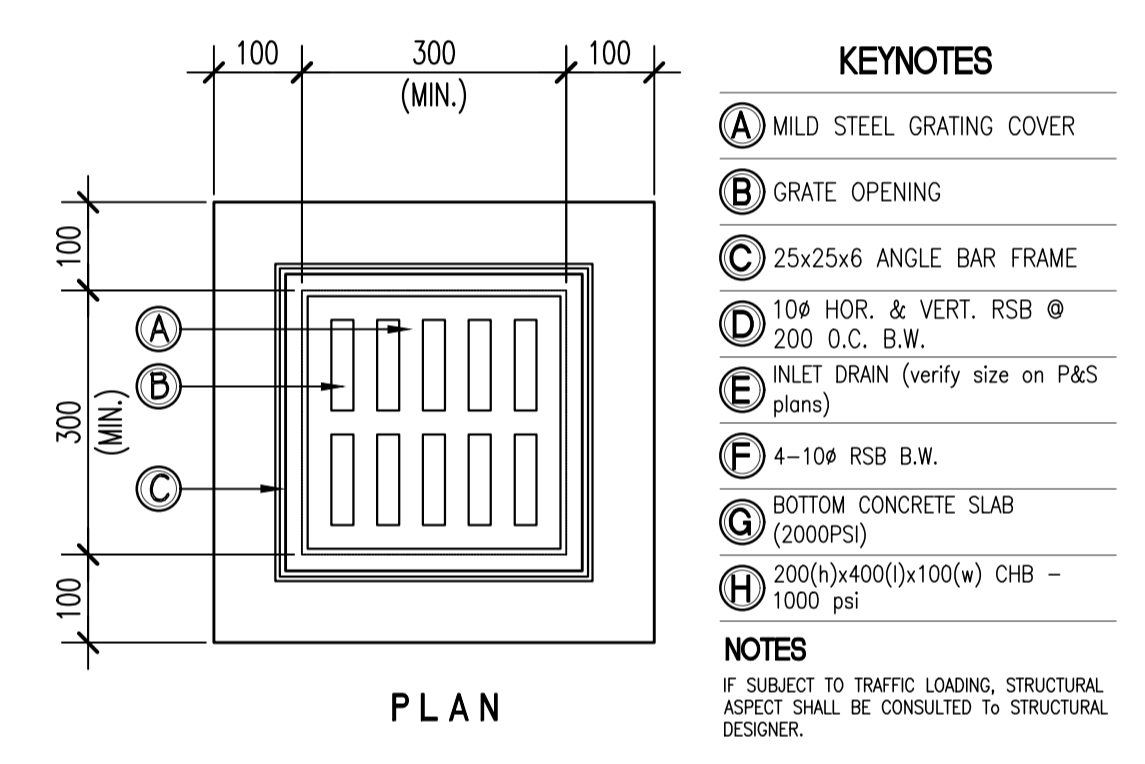
**02** FLOOR CONNECTION FLOOR DRAIN DETAIL  
PS-19 SCALE NTS



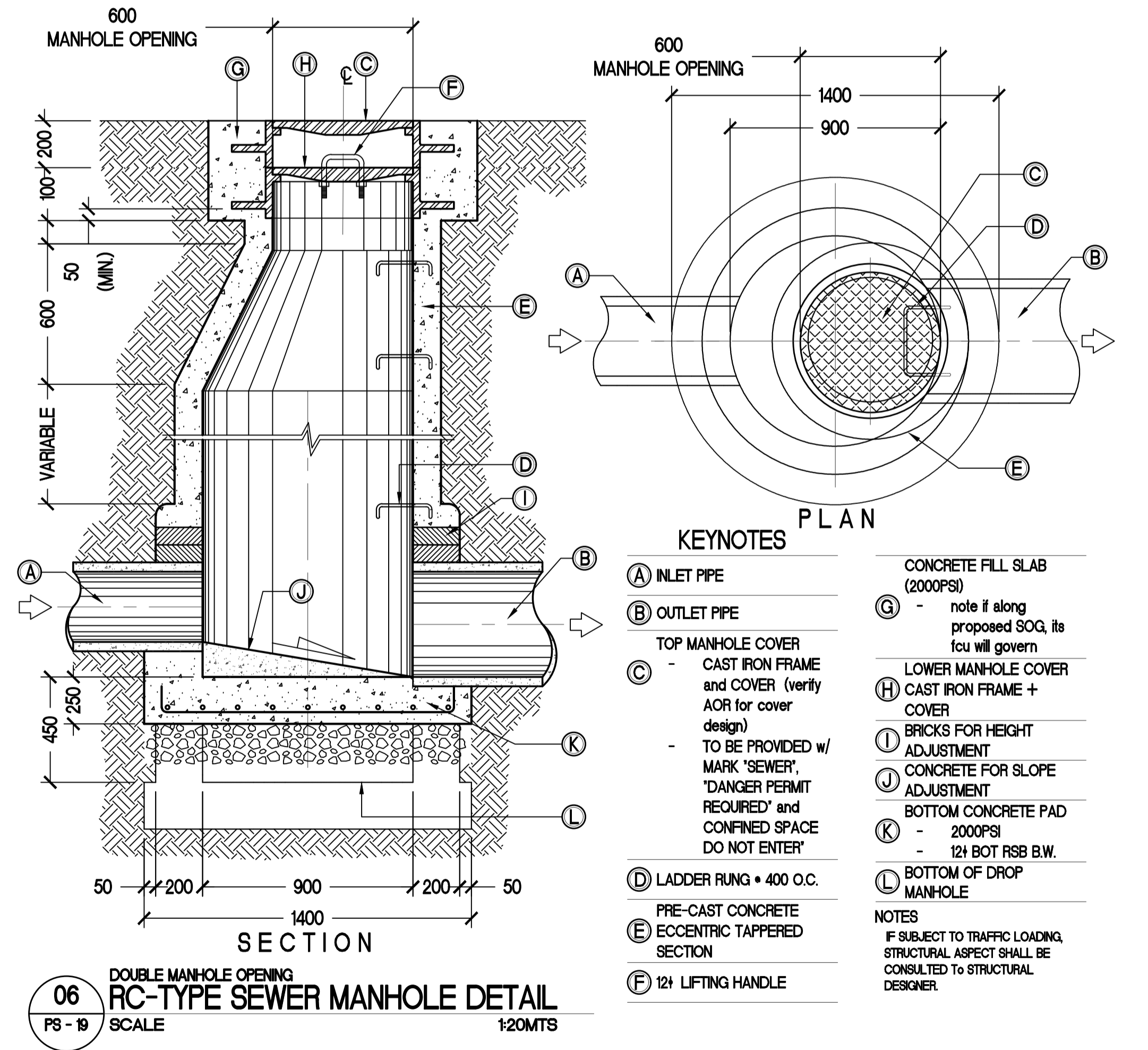
**03** VENT STACK THRU DECK DETAIL  
PS-19 SCALE NTS



**04** NON-TRAFFIC RATED CATCH BASIN DETAIL  
PS-19 SCALE 1:10MTS



**05** NON-TRAFFIC RATED AREA DRAIN DETAIL  
PS-19 SCALE 1:10MTS



**06** DOUBLE MANHOLE OPENING RC-TYPE SEWER MANHOLE DETAIL  
PS-19 SCALE 1:20MTS

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LAYUNGA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

ENGINEER:  
**VICTORIA ADEDECER**  
SANITARY ENGINEER

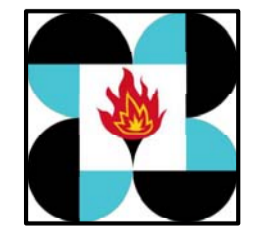
PRC No.: 0001927 PTR No.: 4580635  
PRC Validity: March 23, 2024 PTR Date: January 07, 2021  
TN No.: 108-318-662 PTR Place: Pasay City

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

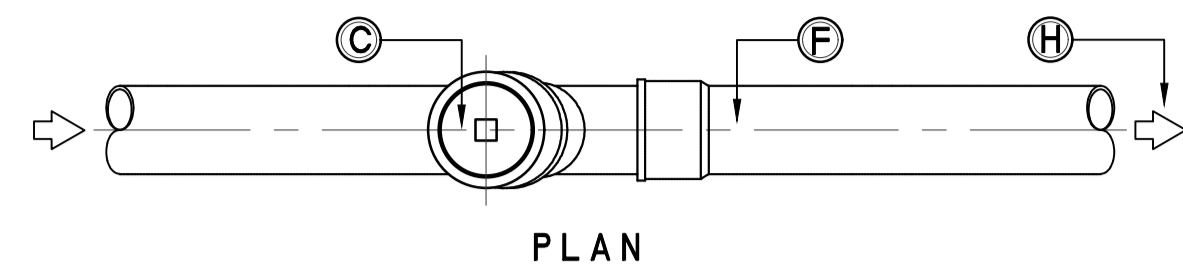
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

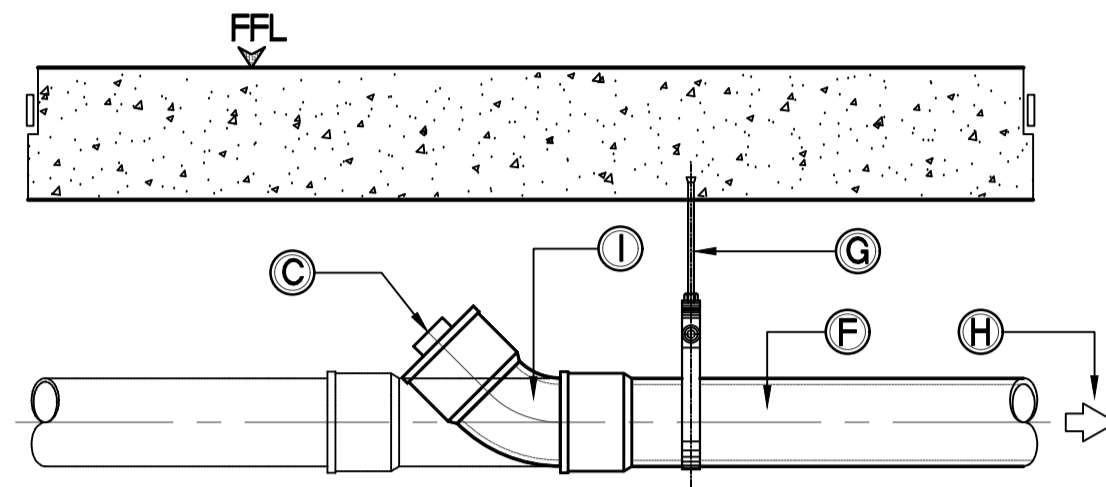
SHEET CONTENTS:  
MISCELLANEOUS DETAILS

SHEET NO.:  
**PS**  
19 21

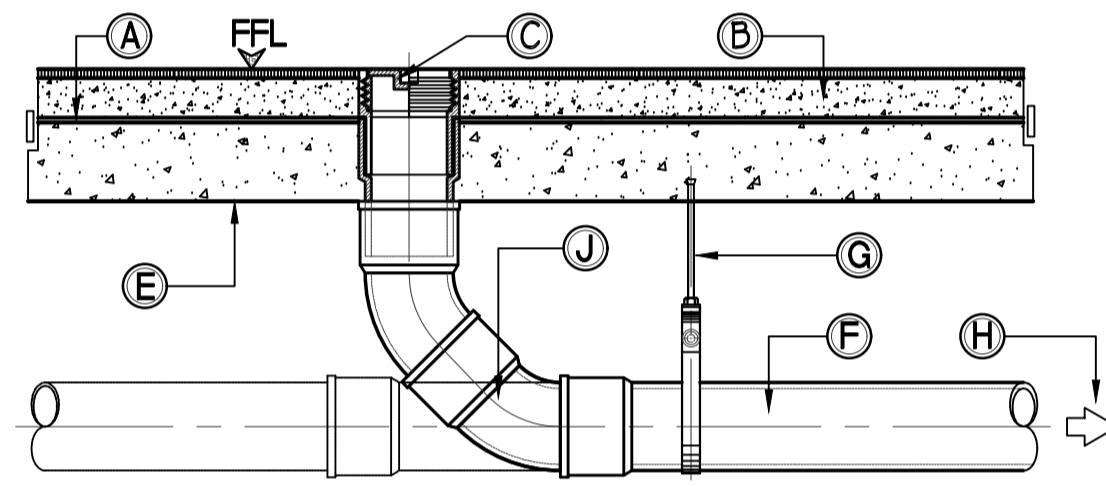




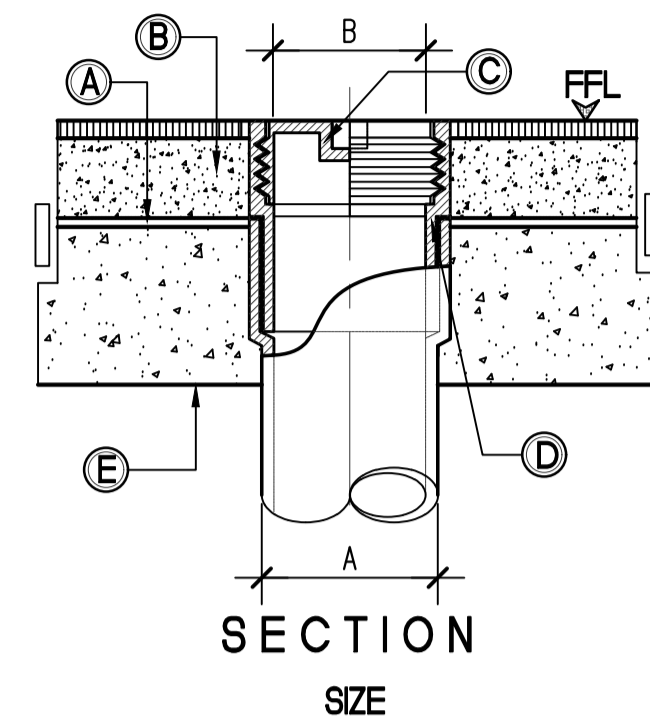
PLAN



ELEVATION



SECTION

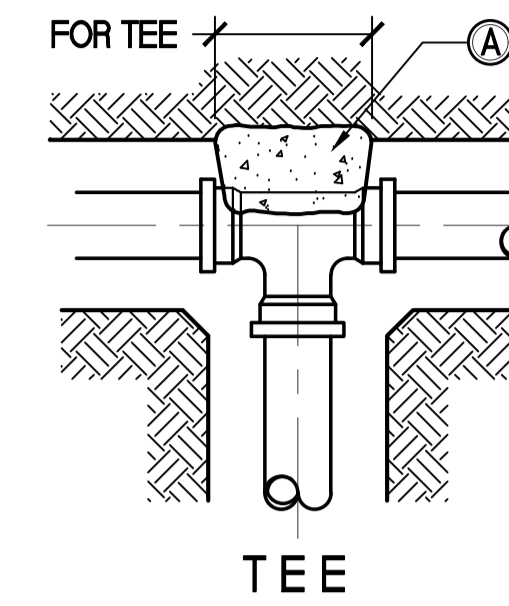


SECTION  
SIZE

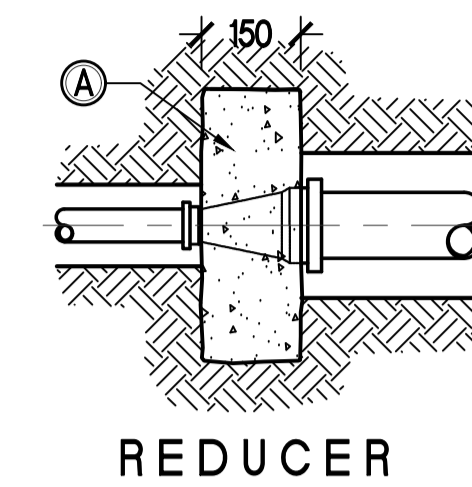
PIPE SIZE 'A'	SIZE (MM) 'B'
50	63
75	90
100	110

- KEYNOTES**
- (A) WATERPROOFING MEMBRANE (refer to arch's plans)
  - (B) CONCRETE TOPPING
  - (C) CLEANOUT  
- FLOOR, WALL & GRADE IS METAL TYPE COUNTERSUNK OR FLASH TYPE w/ SCREW PLUG TYPE  
- SUBJECT FOR ARCH'S APPROVAL
  - (D) CLEANOUT CASING
  - (E) SLAB SOFFIT
  - (F) SOIL/WASTE PIPE (refer to plan for size)
  - (G) HANGER ROD (refer to PS06-01)
  - (H) DIRECTION OF FLOW
  - (I) SANITARY WYE FOR RUN
  - (J) 45° ELBOW FOR DEAD END
  - (K) SANITARY WYE + 45° ELBOW FOR RUN
  - (L) 2-UNITS OF 45° ELBOW FOR DEAD END

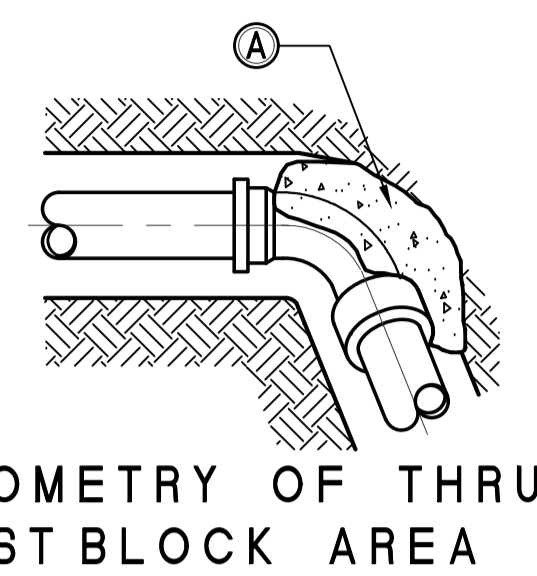
01 FLOOR/CEILING/TO GRADE  
CLEANOUT DETAIL  
PS - 20 SCALE NTS



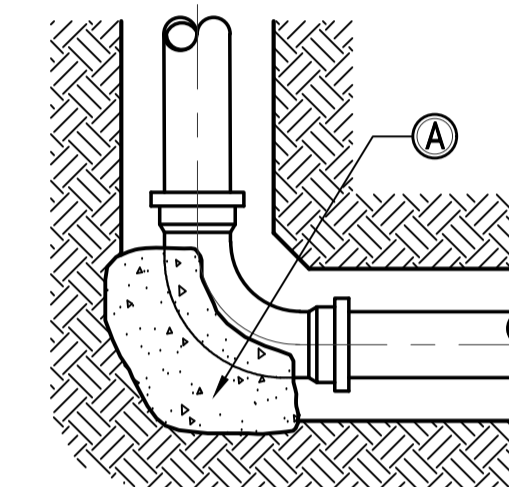
TEE



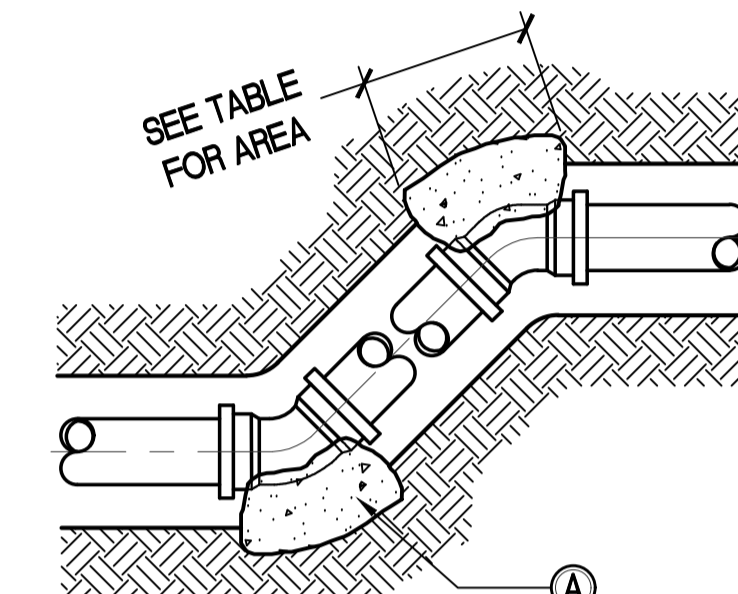
REDUCER



ISOMETRY OF THRU  
ST BLOCK AREA



90° ELBOW OR BEND



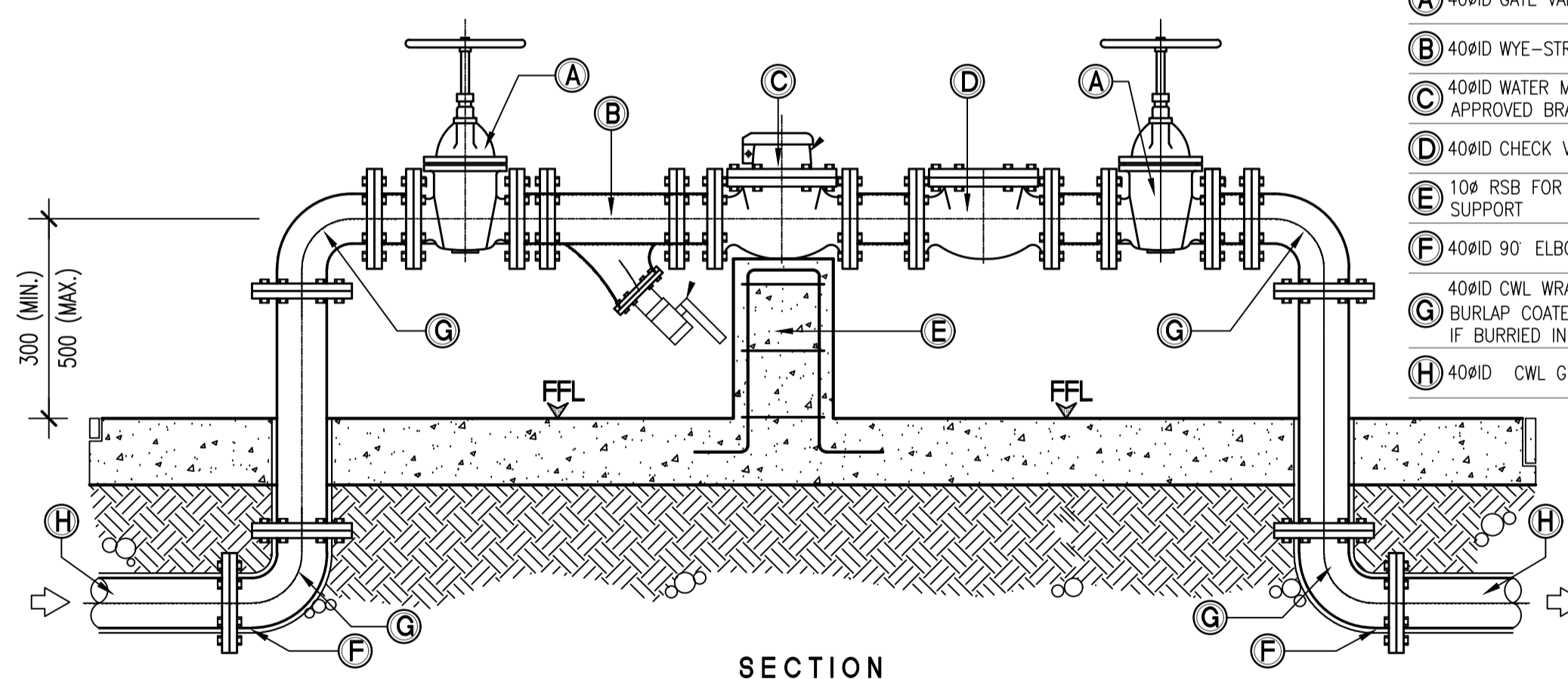
OFFSET and BENDS

TABLE OF MINIMUM THRUST BLOCK BEARING  
AREAS IN SQUARE METERS FOR PIPE SIZES  
75 mm TO 600 mm

PIPE SIZE mm (in.)	TEE + DEAD END	90° BEND	45° BEND	22 1/2° BEND
75 (3")	0.05	0.07	0.04	0.02
100 (4")	0.09	0.12	0.07	0.04
150 (6")	0.20	0.28	0.15	0.08
200 (8")	0.35	0.50	0.27	0.14
250 (10")	0.55	0.77	0.42	0.24
300 (12")	0.79	1.11	0.60	0.31
350 (14")	1.07	1.52	0.82	0.42
400 (16")	1.40	1.98	1.07	0.55
450 (18")	1.77	2.51	1.36	0.69
500 (20")	2.19	3.10	1.68	0.85
600 (24")	3.15	4.46	2.42	1.2

- KEYNOTES**
- (A) CAST ALL THRUST BLOCKS AGAINST UNDISTURBED SOIL
- NOTES**
- ABOVE AREAS ARE BASED ON AN ASSUMED SOIL BEARING CAPACITY OF 98kPa (2000 PSF). REDUCE OR INCREASE AREAS PROPORTIONATELY TO SUIT ACTUAL FIELD CONDITIONS UPON APPROVAL OF THE ENGINEER.
  - CONCRETE COMPRESSIVE STRENGTH FOR THRUST BLOCK SHALL BE 13.8MPa (2000psi)
  - CONCRETE COMPRESSIVE STRENGTH FOR ANCHOR BLOCK SHALL BE 13.8MPa (2000psi)
  - THRUST BLOCKS NOT REQUIRED ON STEEL PIPE LINE w/ WELDED OR FLANGED JOINTS OR ON SOLVENT WELDED PVC PIPE.
  - WHERE PIPE CONNECTS TO A FITTING IN A STEEL PIPE LINE, THE STEEL PIPELINE SHALL BE BLOCKED AS SHOWN HERE ON BEARING AREAS BASED ON INTERNAL PRESSURE OF 10MPa (150psi)

03 AWWA STANDARD  
CONCRETE THRUST BLOCKS  
PS - 20 SCALE NTS

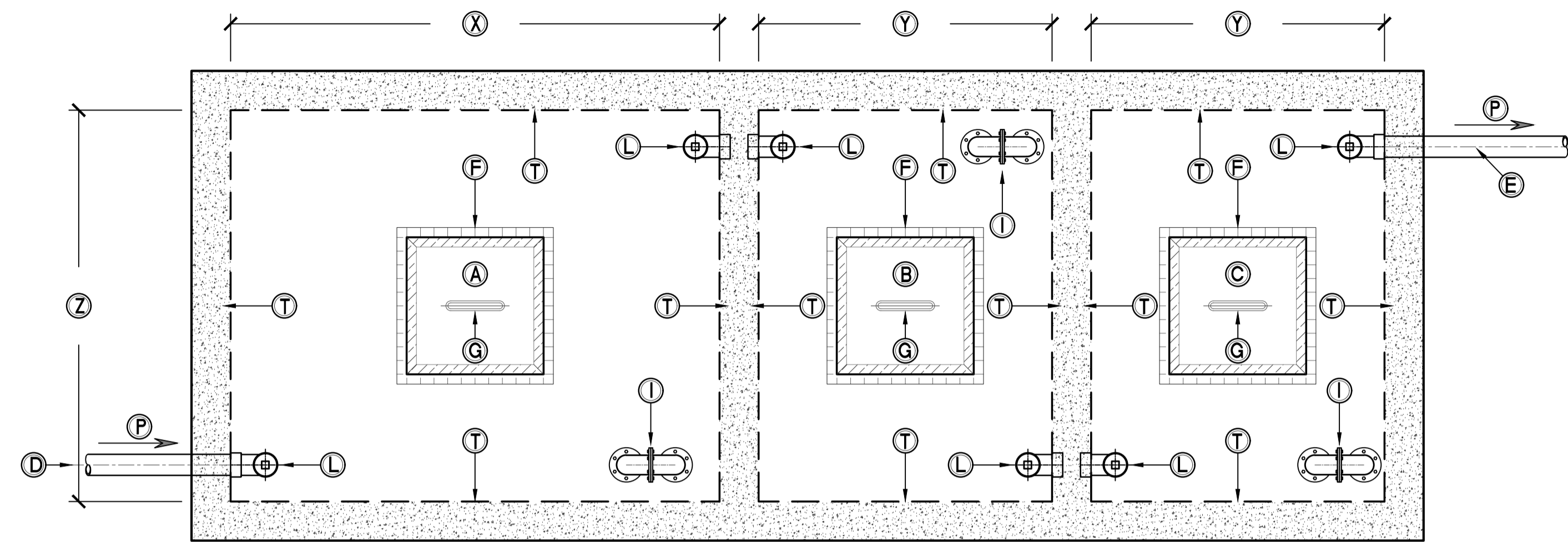


SECTION

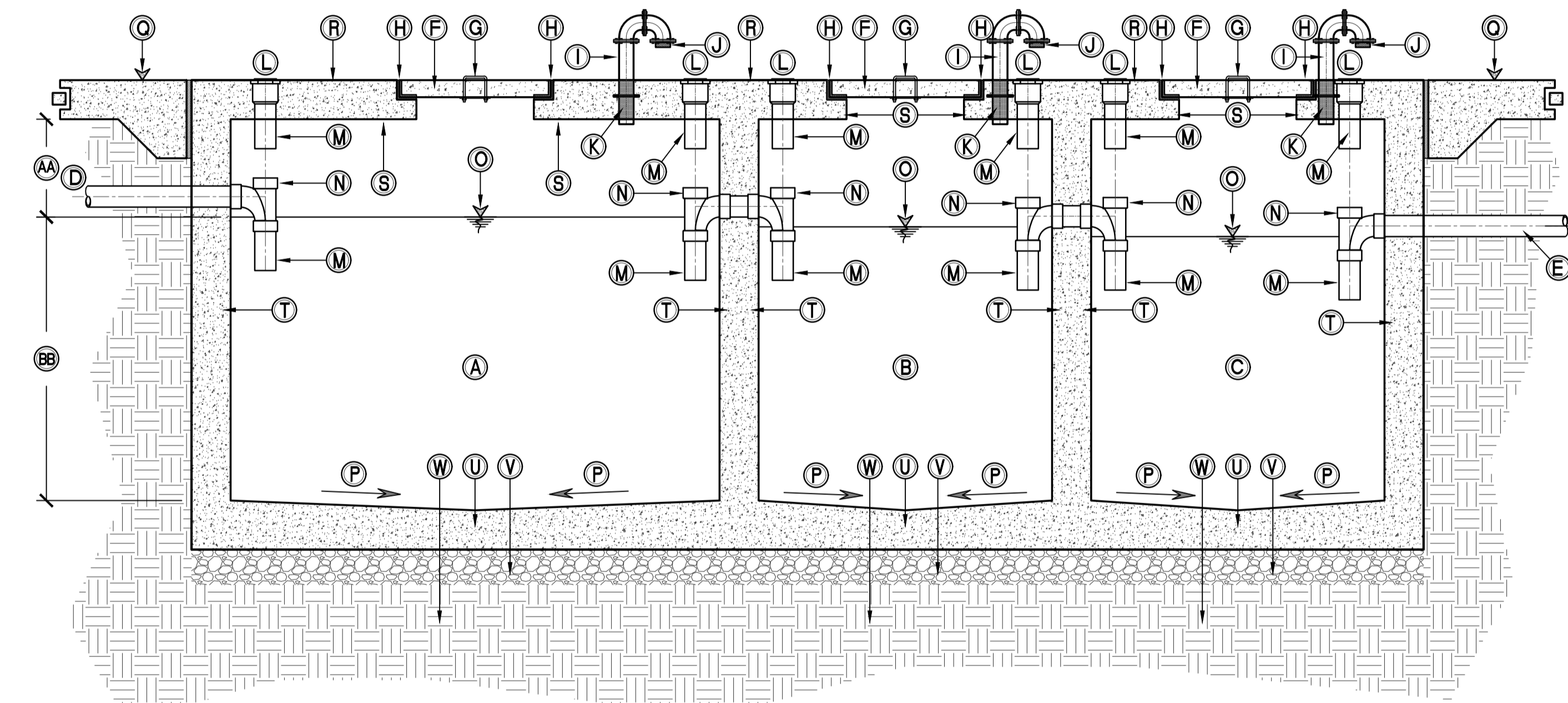
- KEYNOTES**
- (A) 400ID GATE VALVE OS&Y
  - (B) 400ID WYE-STRAINER
  - (C) 400ID WATER METER - MWSS APPROVED BRAND
  - (D) 400ID CHECK VALVE
  - (E) 100 RSB FOR 100x100 RC SUPPORT
  - (F) 400ID 90° ELBOW
  - (G) 400ID CWL WRAPPED w/ BURLAP COATED w/ COALTAR IF BURIED IN SOIL
  - (H) 400ID CWL GI PIPE

02 MAIN WATER METER DETAIL  
PS - 20 SCALE NTS





PLAN



SECTION

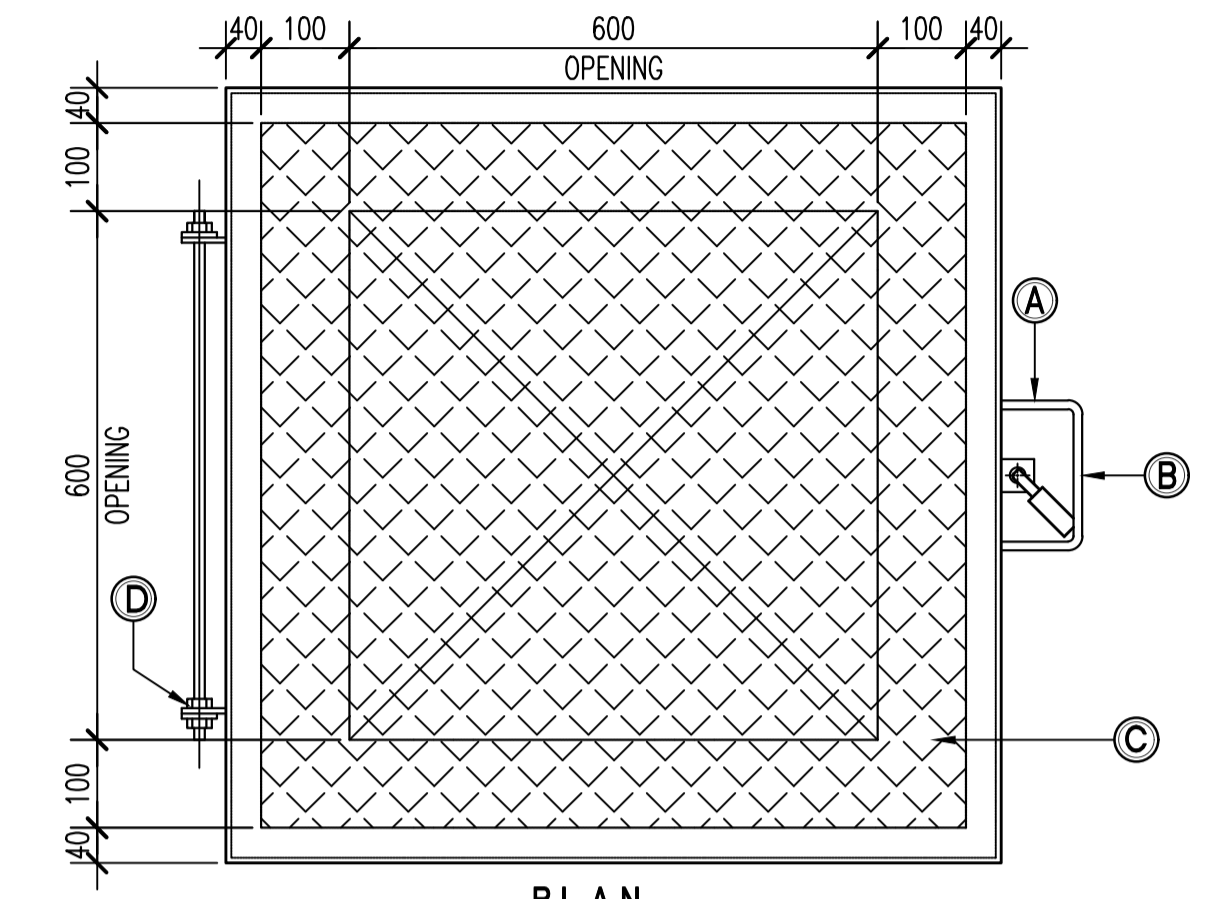
01 RC-TYPE UNDERGROUND SEPTIC TANK DETAIL  
PS - 21 SCALE NTS

KEYNOTES

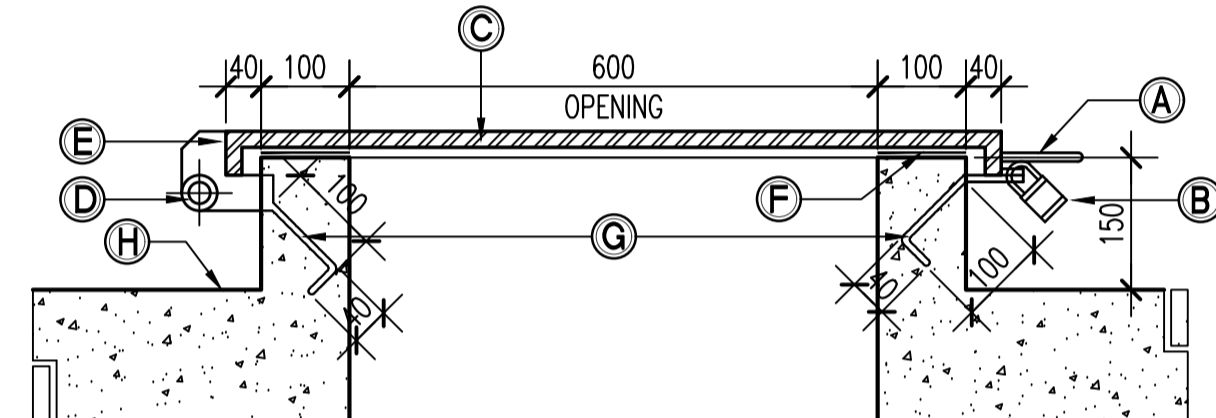
- (A) 1st DIGESTIVE CHAMBER  
Wwd = 1800
- (B) 2nd DIGESTIVE CHAMBER  
Wwd = 1750
- (C) 3rd DIGESTIVE CHAMBER  
Wwd = 1700
- (D) 150Ø INFLENT PIPE
- (E) 150Ø EFFLUENT PIPE
- (F) RC-TYPE MANHOLE COVER  
(verify w/ struct. engr)
- (G) 10Ø SMOOTH BAR HANDLE
- (H) 6mm thk ANGLE BAR BOTH  
TANK & COVER EDGES
- (I) 100Ø AIR PIPE GI PIPE SCH40
- (J) COPPER SCREEN COVER
- (K) PUDDLE FLANGE
- (L) 150Ø CLEAOUT CAP
- (M) 150Ø PIPE
- (N) 150Ø SANITARY-TEE
- (O) WASTEWATER LEVEL
- (P) SLOPE = 1%
- (Q) FINISHED FLOOR LEVEL
- (R) SEPTIC TANK FLOOR LEVEL
- (S) SUSPENDED SLAB (verify thk  
w/ struct. plans)
- (T) RC-WALL w/ INTEGRAL  
WATERPROOFING (verify thk &  
waterightness w/ struct.  
plans)
- (U) RC-TYPE BOTTOM SLAB (verify  
thk w/ struct. plans)
- (V) 95% MDD COMPACTION OF  
GRAVEL BEDDING (verify thk  
w/ struct. plans)
- (W) 95% MDD COMPACTION OF  
SUB-GRADE SUITABLE SOIL  
(verify thk w/ struct. plans)
- (X) = 3300
- (Y) = 1650
- (Z) = 3300
- (AA) AA = 500 (300 min)
- (BB) BB = 1800

NOTES

ALL PIPES PASSING THROUGH SEPTIC TANK MEMBERS SHALL BE PROVIDED w/ PIPE SLEEVE & SEALANT. WATERPROOFING SHALL BE PROVIDED SUBJECT TO RECOMMENDATION OF STRUCT. ENGR. MANHOLE COVERS CAN BE REPLACED w/ STEEL TYPE. ALL PROPOSALS BY CONTRACTOR ARE SUBJECT TO RFA. 100Ø VENT PIPE AT EACH CHAMBER IN ITEM "I" SHALL BE CONNECTED TO 100ØVP COLLECTOR PIPE TERMINATED AT ROOF.



PLAN



SECTION

KEYNOTES

- (A) 12Ø LIFTING HANDLE
- (B) HASP w/ PADLOCK
- (C) GA #10 STAINLESS STEEL  
MANHOLE COVER
- (D) 13Ø x 700 LONG THREADED  
ROD w/ NUTS & WASHERS
- (E) 6mm THK HINGE PLATE  
WELDED
- (F) RUBBER GASKET
- (G) 6Ø ANCHOR BOLT
- (H) PUMP ROOM LEVEL

NOTES

CONTRACTOR CAN PROPOSE ALTERNATIVE MANHOLE COVER SUBJECT TO APPROVAL OF DESIGNER.

02 SEPTIC TANK (OPTIONAL) MANHOLE COVER DETAIL  
PS - 21 SCALE 1/10MTS

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS


SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORON HEIGHTS,  
QUEZON CITY, 1108  
TEL NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

ENGINEER: <b>VICTORIA ADEDECER</b> SANITARY ENGINEER	
PRC No.: 0001927	PTR No.: 4580635
PRC Validity: March 23, 2024	PTR Date: January 07, 2021
TN No.: 108-318-662	PTR Place: Pasay City

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
MISCELLANEOUS DETAILS

SHEET NO.:  
**PS 21/21**



**GENERAL NOTES: FOR REFERENCE ONLY, ALL MECHANICAL WORKS ARE EXCLUDED IN PHASE 2**

**EQUIPMENT SCHEDULE**

VARIABLE REFRIGERANT FLOW (VRF) OUTDOOR UNIT											
MARK NO.	ACCUV COMBINED UNIT	LOCATION	TYPE	COOLING CAPACITY (HP)	COMPRESSOR DATA				REFRIGERANT TYPE	REMARKS	
					TYPE	INPUT POWER (KW)	EER				
ACCUV-R-01	4 NO. UNIT	ROOF DECK	INVERTER VARIABLE FLOW	24	HERMETICALLY SEALED-SCROLL TYPE	16.76		3,600	230/3/60	R410 OR EQUIVALENT	80 HP COMBINED SET UNIT SIMILAR LG MULTI V-5 VRF OR APPROVED EQUAL. W/ APPLIED OCEAN BLACK FIN
ACCUV-R-02		ROOF DECK	INVERTER VARIABLE FLOW	24	HERMETICALLY SEALED-SCROLL TYPE	16.76		3,600	230/3/60	R410 OR EQUIVALENT	
ACCUV-R-03		ROOF DECK	INVERTER VARIABLE FLOW	20	HERMETICALLY SEALED-SCROLL TYPE	12.31		3,600	230/3/60	R410 OR EQUIVALENT	
ACCUV-R-04		ROOF DECK	INVERTER VARIABLE FLOW	12	HERMETICALLY SEALED-SCROLL TYPE	7.91		3,600	230/3/60	R410 OR EQUIVALENT	

VARIABLE REFRIGERANT FLOW (VRF) INDOOR UNIT									
MARK NO.	QTY.	TYPE	AREA SERVED	COOLING CAPACITY (HP)	FAN DATA			REMARKS	
					AIR FLOW (Lps)	MOTOR INPUT (WATTS)	V/PH/HZ		
ACUV-B1-01	1	4W-CEILING CASSETTE	B/1 GENDER & DEVELOPMENT	3.75	375	150	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-B1-02	1	4W-CEILING CASSETTE	B/1 FITNESS ROOM	3.75	375	150	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-B1-03	1	WALL MOUNTED	B/1 SLEEP ROOM FEMALE	1.0	100	30	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-B1-04	1	WALL MOUNTED	B/1 SLEEP ROOM MALE	1.0	100	30	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-B1-05	1	2W-CEILING CASSETTE	B/1 DISCUSSION ROOM	1.5	150	50	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-B1-06	3	4W-CEILING CASSETTE	B/1 FACULTY	2.5	250	80	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-01	1	2W-CEILING CASSETTE	G/F CID HEAD	2.0	200	50	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-02	1	1W-CEILING CASSETTE	G/F SLEEPING ROOM	0.8	80	30	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-03	1	WALL MOUNTED	G/F CID	2.0	200	50	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-04	1	2W-CEILING CASSETTE	G/F CONFERENCE ROOM	1.5	150	50	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-05	1	2W-CEILING CASSETTE	G/F SSD HEAD	2.0	200	50	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-06	1	4W-CEILING CASSETTE	G/F SD HEAD	2.5	250	80	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-07	1	WALL MOUNTED	G/F SSD	2.0	200	50	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-08	1	1W-CEILING CASSETTE	G/F COUNSEL ROOM	0.8	80	30	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-09	1	WALL MOUNTED	G/F OSD	1.5	150	50	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-10	1	2W-CEILING CASSETTE	G/F REPRODUCTION ROOM	2.0	200	50	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-11	1	1W-CEILING CASSETTE	G/F RECORDS ROOM	0.8	80	30	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-12	2	4W-CEILING CASSETTE	G/F FACULTY ROOM	4.4	440	150	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-1-13	3	4W-CEILING CASSETTE	G/F LIBRARY	3.75	375	150	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-2-01	2	4W-CEILING CASSETTE	2/F FACULTY ROOM	4.4	440	150	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-3-01	2	4W-CEILING CASSETTE	3/F TECH INNO	2.9	290	150	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	
ACUV-3-02	2	4W-CEILING CASSETTE	3/F DES ENG'G	3.2	320	150	230/1/60	UNIT SIMILAR TO LG MULTI-V PRO VRF OR APPROVED EQUAL	

**LEGEND & SYMBOLS**

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	KITCHEN EXHAUST DUCT		WALL MOUNTED ACU
	FLEXIBLE DUCT		CEILING SUSPENDED ACU
	4-WAY DIFFUSER		4-WAY CEILING CASSETTE ACU
	BRANCH DUCT W/ VCD		1-WAY CEILING CASSETTE ACU
	SQUARE TO ROUND BRANCH DUCT		VRV OUTDOOR UNIT
	DUCT REDUCER		SPLIT-TYPE OUTDOOR UNIT
	DUCT W/ VOLUME CONTROL DAMPER		AIR HANDLING UNIT/FAHU
	FIRE DAMPER WITH ACCESS PANEL		AIR-COOLED CONDENSING UNIT
	DUCT WITH ACOUSTIC LINING		CENTRIFUGAL IN-LINE FAN (TUBULAR)
	STANDARD DUCT ELBOW		CENTRIFUGAL IN-LINE FAN (CABINET)
	SUPPLY DUCT DOWN		CEILING MOUNTED FAN
	RETURN DUCT DOWN		VENT CAP
	EQUIPMENT IDENTIFICATION		WALL MOUNTED FAN W/ RAIN HOOD
	LOCAL THERMOSTAT		VRV SPECIAL PIPE CONNECTOR
	VRV CENTRAL CONTROL		EXHAUST AIR GRILLE

**ABBREVIATIONS**

ACC	AIR CONDITIONING CENTRAL CONTROL	l/s / LPS	LITERS PER SECOND
ACCU	AIR-COOLED CONDENSING UNIT	NRD	NON-RETURN DAMPER
ACU	AIR CONDITIONING UNIT	NTS	NOT TO SCALE
ACCU-V	AIR-COOLED CONDENSING UNIT FOR VRF SYSTEM	OBD	OPPOSED BLADED DAMPER
ACU-V	AIR CONDITIONING UNIT FOR VRF SYSTEM	PA	PASCAL
AHU	AIR HANDLING UNIT	POC	POINT OF CONNECTION
CDP	CONDENSATE DRAIN PIPE	RA	RETURN AIR
EA	EXHAUST AIR	RAD	RETURN AIR DUCT
EAG	EXHAUST AIR GRILLE	RAG	RETURN AIR GRILLE
EAR	EXHAUST AIR REGISTER	SAG	SUPPLY AIR GRILLE
EAL	EXHAUST AIR LOUVER	SAD	SUPPLY AIR DUCT
ESP	EXTERNAL STATIC PRESSURE	SED	SMOKE EXHAUST DUCT
FAF	FRESH AIR FAN	SEF	SMOKE EXHAUST FAN
F/A	FROM ABOVE	SPF	STAIRWELL PRESSURIZATION FAN
F/B	FROM BELOW	SAF	SUPPLY AIR FAN
FD	FIRE DAMPER	TR	TERMINAL ELECTRIC RE-HEAT
FAD	FRESH AIR DUCT	T/A	TO ABOVE
FAHU	FRESH AIR HANDLING UNIT	T/B	TO BELOW
H/L	HIGH LEVEL	TED	TOILET EXHAUST DUCT
KED	KITCHEN EXHAUST DUCT	VCD	VOLUME CONTROL DAMPER
KEF	KITCHEN EXHAUST FAN	VRV	VARIABLE REFRIGERANT VOLUME
KW	KILOWATT		

**MECHANICAL NOTES:**

- ALL WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF THE PHILIPPINES.
- ALL WORKS SHALL BE IN ACCORDANCE WITH THE FIRE CODE OF THE PHILIPPINES.
- ALL WORKS SHALL BE IN ACCORDANCE WITH THE PHILIPPINE MECHANICAL ENGINEERING CODE 2012.
- REFER TO TECHNICAL SPECIFICATIONS FOR DETAILED MATERIALS AND EQUIPMENT SPECIFICATION.
- AIR CONDITIONED AREA SHALL BE MAINTAINED AT 24°C (+/-) 2°C AND 55% RH.
- COORDINATE WITH ARCHITECTURAL PLAN REGARDING THE EXACT LOCATION OF REGISTERS AND GRILLES.
- REGISTER OR GRILLE DIMENSIONS INDICATED REPRESENT NECJ SIZE.
- REGISTER SHALL MEAN GRILLES OR DIFFUSERS WITH OPPOSED BLADE VOLUME DAMPER.
- ALL DUCT DIMENSIONS INDICATED REFERS TO INSIDE DIMENSION.
- ALL DIMENSIONS ARE IN MILLIMETER.
- INSTALL ALL DUCT CLOSE TO BEAM, PROVIDE CLEARANCE BETWEEN DUCT AND CEILING, UNLESS OTHERWISE NOTED.
- DUCTWORK CONNECTED TO AIR HANDLING UNITS / FAN SHALL BE SIZED TO SUIT THE EQUIPMENT AND SHALL BE PROVIDED WITH FLEXIBLE CONNECTOR.
- ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA LOW PRESSURE DUCTWORK MANUAL.
- DUCTWORK SHALL BE SEALED TO LESS THAN 1% LEAKAGE BY VOL. AT 125 MM S.P.W.G.
- ALL EQUIPMENT SHALL BE PROVIDED WITH VIBRATION ISOLATORS.
- ALL EQUIPMENT SHALL BE PAINTED WITH GALVANIZING PAINT MATERIAL FOR EXTRA PROTECTION AGAINST CORROSION.
- COIL OF ACU/ACCU SHALL BE BLUE FINNED COATED FOR EXTRA PROTECTION AGAINST CORROSION.
- STEEL SUPPORT OF THE EQUIPMENT SHALL BE APPLIED WITH GALVANIZING PAINT MATERIAL FOR EXTRA PROTECTION AGAINST CORROSION.
- ALL TOILET DOORS SHALL BE PROVIDED WITH LOUVERS.
- ALL DOORS OF THE AREAS WITH TRANSFER GRILLES SHALL BE PROVIDED WITH LOUVER.
- HEPA FILTER SHALL BE PROVIDED TO ALL DISCHARGE AIR DUCTWORK OF THE FRESH AIR FAN.
- WASHABLE PLEATED FILTER SHALL BE PROVIDED TO INTAKE AIR DUCTWORK OF THE FRESH AIR FAN.
- PIPE ALL EQUIPMENT DRAIN TO BE NEAREST FLOODE DRAIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE EQUIPMENT FOUNDATIONS AND SUPPORTS.
- SHOP DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO BE SUBMITTED FOR CONSULTANTS/CLIENTS REPRESENTATIVE APPROVAL PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE TESTING, BALANCING AND COMMISSIONING OF THE WHOLE AIR CONDITIONING AND VENTILATION SYSTEM. WRITTEN DATA OF THE RESULT SHALL BE SUBMITTED PRIOR TO TURN OVER.
- WORKMANSHIP: THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST & MOST THOROUGH MANNER KNOWN TO TRADE AND TO THE SATISFACTION OF THE ARCHITECTS, ENGINEERS AND CLIENTS.
- THE EQUIPMENT SCHEDULE SHALL BE READ IN CONJUNCTION WITH THE GENERAL MECHANICAL LAYOUT AND SCHEMATIC DIAGRAM. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF MECHANICAL CONSULTANT FOR VERIFICATION.
- THE CONTRACTOR SHALL FOLLOW THE PARAMETERS OF THE EQUIPMENT SCHEDULE WITH APPROVAL FROM MECHANICAL CONSULTANT PRIOR TO PURCHASE OF THE EQUIPMENT.

**NOTES ON PIPING INSTALLATION:**

- REFRIGERANT PIPES SHALL BE INTERNALLY CLEANED BY SWABBING WITH CLEAN COTTON CLOTH TO REMOVE ALL DUST, BURRS, AND OTHER MISCELLANEOUS DIRT.
- WHILE SOLDERING JOINTS, A SWEEP OF INERT NITROGEN GAS SHOULD BE PASSED THROUGH PIPES TO PREVENT OXIDATION DEPOSITS INSIDE.
- FITTINGS:
  - USE STANDARD LONG RADIUS COPPER ELBOWS, REDUCERS, ETC. DO NOT USE FIELD-FORMED ELBOWS, REDUCERS, ETC.
  - JOINTS BETWEEN PIPES SHOULD BE THROUGH STANDARD COPPER COUPLING FORMED FITTING MADE BY SWAGING OR ENLARGING ONE PIPE END TO BE ABLE TO RECEIVE THE OTHER PIPE SECTION WOULD NOT BE ALLOWED.
  - JOINTS TO SCREWED ACCESSORIES SUCH AS EXPANSION VALVES, FILTER DRIER, ETC. SHALL BE MADE WITH STANDARD FLARED FITTINGS.
- THE COMPLETED PIPING INSTALLATION SHOULD BE LEAK TESTED BY SUBJECTING THE SAME ( BOTH LIQUID AND SUCTION LINE ) TO A PRESSURE OF 3100 Pa USING DRY NITROGEN GAS. THIS PRESSURE SHOULD BE LEFT FOR 24 HOURS AND IF THERE IS NO NOTICEABLE REDUCTION IN PRESSURE WITHIN THE PERIOD, THE NITROGEN CHARGE SHALL BE RELIEVED DOWN TO 140KPa TO SERVE AS HOLDING CHARGE WHILE WAITING FOR THE EQUIPMENT CONNECTION. IF THERE IS NOTICEABLE REDUCTION IN THE TEST PRESSURE, LEAK SHOULD BE LOCATED AND REPAIRED.
- PROPERLY TESTED PIPING SHOULD BE SECURELY CAPPED AT BOTH ENDS AND WITH HOLDING CHARGE AS STATED IN ITEM 4 ABOVE WHILE WAITING FOR FINAL CONNECTION TO EQUIPMENT. INSULATE SUCTION PIPING ONLY AFTER PROPER LEAK TESTING.

**REFERENCE SYMBOL:**

SYMBOL:	DESCRIPTION:
	"W" - DENOTES UNIT MARK
	"X" - DENOTES FLOOR LEVEL
	"Y" - DENOTES UNIT NO.
	"Z" - DENOTES UNIT QUANTITY
	"X" AIR DIFFUSER NAME
	"Y" DENOTES DIFFUSER NO.

<p><b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS</p> <p><i>IN JOINT VENTURE WITH</i></p> <p><b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p>	DESIGNER: <b>MELITON A. NAGUE</b> PROFESSIONAL MECHANICAL ENGINEER PRC No. 4908 Validity: 06/05/2024 PTR No. 8535022 Date: 01/05/2021 Place: MAKATI CITY TIN: 912-907-486	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM</b> LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: EQUIPMENT SCHEDULE LEGEND & SYMBOLS ABBREVIATIONS MECHANICAL NOTES	SHEET NO: 
--	--	---	--	---	--	---	--	---------------

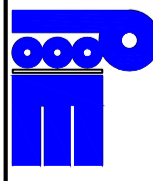


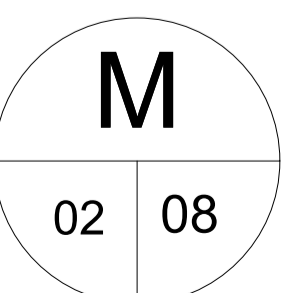


**GENERAL NOTES: FOR REFERENCE ONLY, ALL MECHANICAL WORKS ARE EXCLUDED IN PHASE 2**

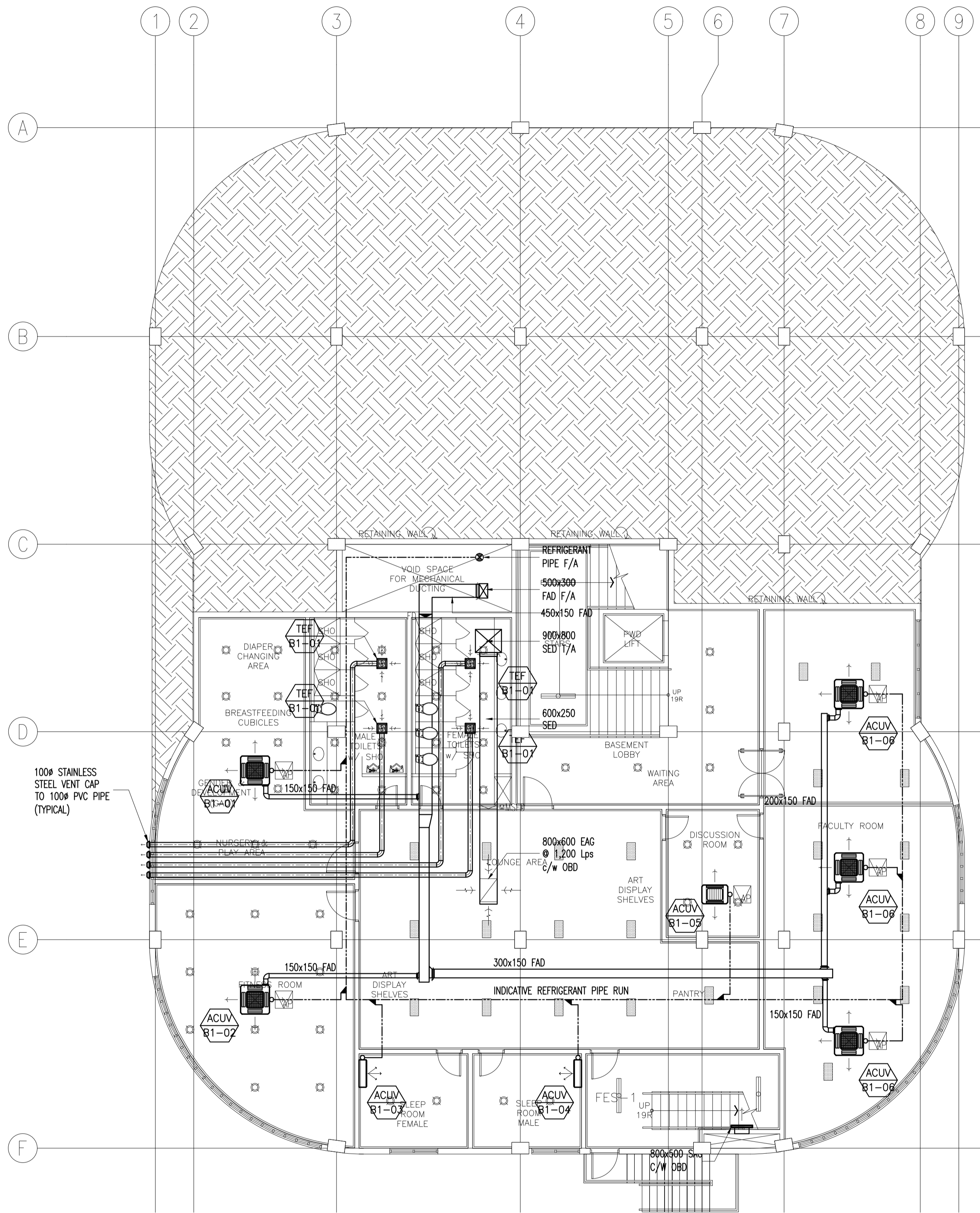
FAN SCHEDULE											
MARK NO	LOCATION	QTY.	SERVICE	TYPE	CAPACITY (LPS)	STATIC PRESSURE (PA)	MOTOR DATA				REMARKS
							MOTOR INPUT (WATTS)	RPM	V/PH/Hz	VSD DRIVEN	
TEF-B1-01	B/1 TOILET/SHOWER	4	TOILET EXHAUST	CEILING MOUNTED	35	40	45	3,600	230/1/60	NO	FAN UNIT SIMILAR TO KRUGER OR APPROVED EQUAL
TEF-1-01	G/F TOILET	10	TOILET EXHAUST	CEILING MOUNTED	35	40	45	3,600	230/1/60	NO	FAN UNIT SIMILAR TO KRUGER OR APPROVED EQUAL
TEF-2-01	2/F TOILET	7	TOILET EXHAUST	CEILING MOUNTED	35	40	45	3,600	230/1/60	NO	FAN UNIT SIMILAR TO KRUGER OR APPROVED EQUAL
TEF-3-01	3/F TOILET	5	TOILET EXHAUST	CEILING MOUNTED	35	40	45	3,600	230/1/60	NO	FAN UNIT SIMILAR TO KRUGER OR APPROVED EQUAL
FAF-R-01	ROOF DECK	1	FRESH AIR	SISW CENTRIFUGAL FAN	800	375	560	3,600	230/3/60	NO	FAN UNIT SIMILAR TO KRUGER OR APPROVED EQUAL

STAIRWELL PRESSURIZATION FAN SCHEDULE											
MARK NO	LOCATION	QTY.	SERVICE	TYPE	CAPACITY (LPS)	STATIC PRESSURE (PA)	MOTOR DATA				REMARKS
							MOTOR INPUT (WATTS)	RPM	V/PH/Hz	VSD DRIVEN	
SPF-R-01	ROOF DECK	2	STAIRWELL PRESSURIZATION	SISW CENTRIFUGAL FAN	3,000	375	2,200	3,600	230/3/60	YES	EQUIPPED WITH PRESSURE DIFF. PRESSURE TRANSMITTER AND VSD. SIMILAR TO KRUGER OR APPROVED EQUAL

SMOKE EXHAUST FAN											
MARK NO	LOCATION	QTY.	SERVICE	TYPE	CAPACITY (LPS)	STATIC PRESSURE (PA)	MOTOR DATA				REMARKS
							MOTOR INPUT (WATTS)	RPM	V/PH/Hz	VSD DRIVEN	
SEF-R-01	ROOF DECK	1	STAIRWELL PRESSURIZATION	SISW CENTRIFUGAL FAN	5,000	500	3,000	3,600	230/3/60	YES	EQUIPPED WITH PRESSURE DIFF. PRESSURE TRANSMITTER AND VSD. SIMILAR TO KRUGER OR APPROVED EQUAL

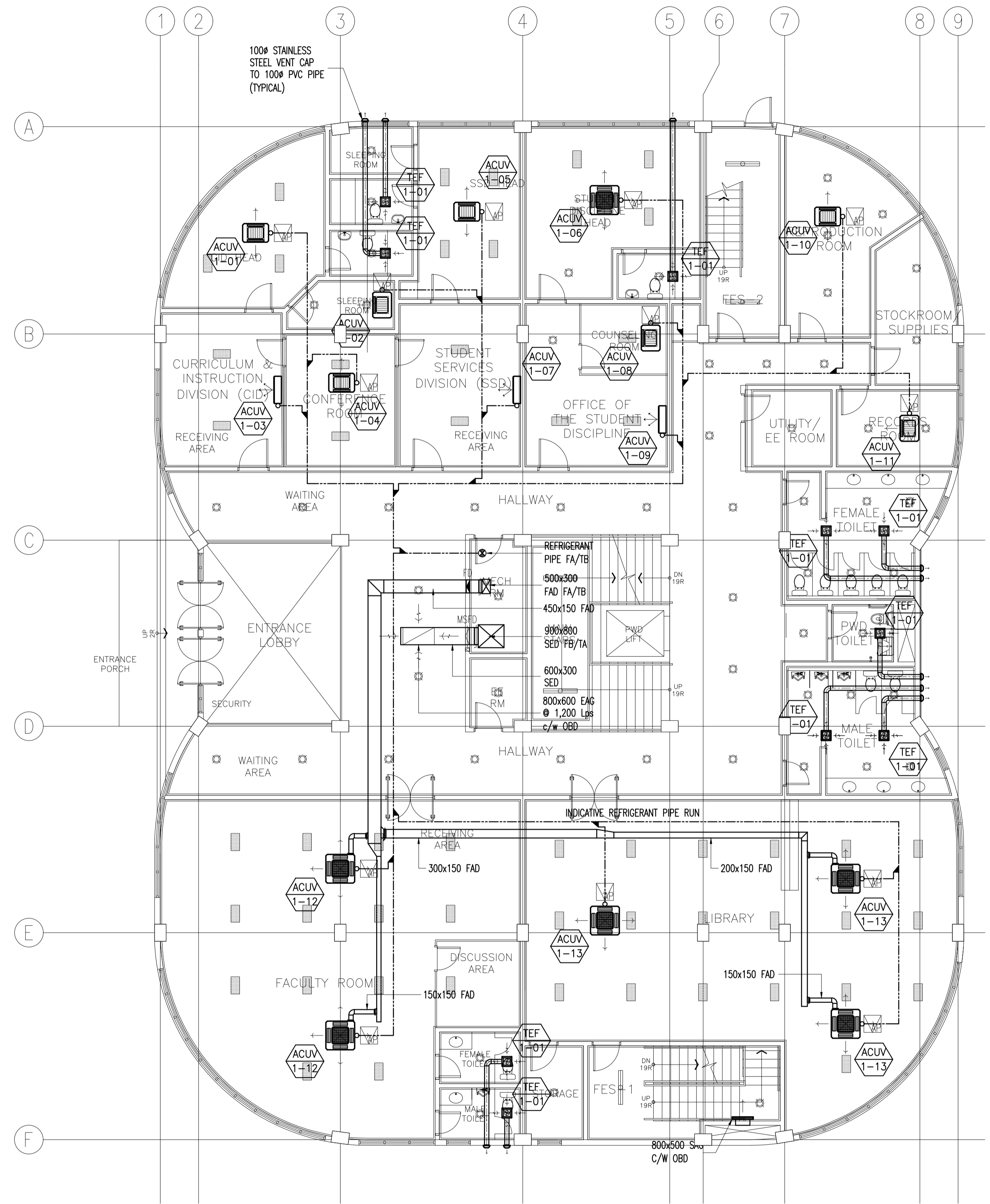
 <b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH  <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	SUITE 305 XAVERVILLE SQUARE CONDOMINIUM NO. 38 XAVERVILLE AVENUE, LORONGA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 3044 FAX NOS: 927 0608; 426 7214	DESIGNER: <b>MELITON A. NAGUE</b> PROFESSIONAL MECHANICAL ENGINEER	REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small>	PROJECT: <b>PROPOSED          ACADEMIC BUILDING II /          MULTI-PURPOSE GYMNASIUM</b>	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: EQUIPMENT SCHEDULE	SHEET NO: 
		PRC No. 4908 PTR No. 8535022 Place: MAKATI CITY	Validity: 06/05/2024 Date: 01/05/2021 TIN: 912-907-486	LOCATION: Brgy. Rizal, Odiongan, Romblon					





BASEMENT FLOOR PLAN  
ACADEMIC BUILDING II  
A/C AND MECHANICAL VENTILATION LAYOUT

1 M-03 SCALE 1:100



GROUND FLOOR PLAN  
ACADEMIC BUILDING II  
A/C AND MECHANICAL VENTILATION LAYOUT

2 M-03 SCALE 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORONDA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS.: 426 7000;  
426 3000-04  
FAX NOS.: 927 0608;  
426 7214

DESIGNER:  
**MELITON A. NAGUE**  
PROFESSIONAL MECHANICAL ENGINEER  
PRC No. 4908 Validity: 06/05/2024  
PTR No. 8535022 Date: 01/05/2021  
Place: MAKATI CITY TIN: 912-907-486

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II /  
MULTI-PURPOSE GYMNASIUM**  
LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

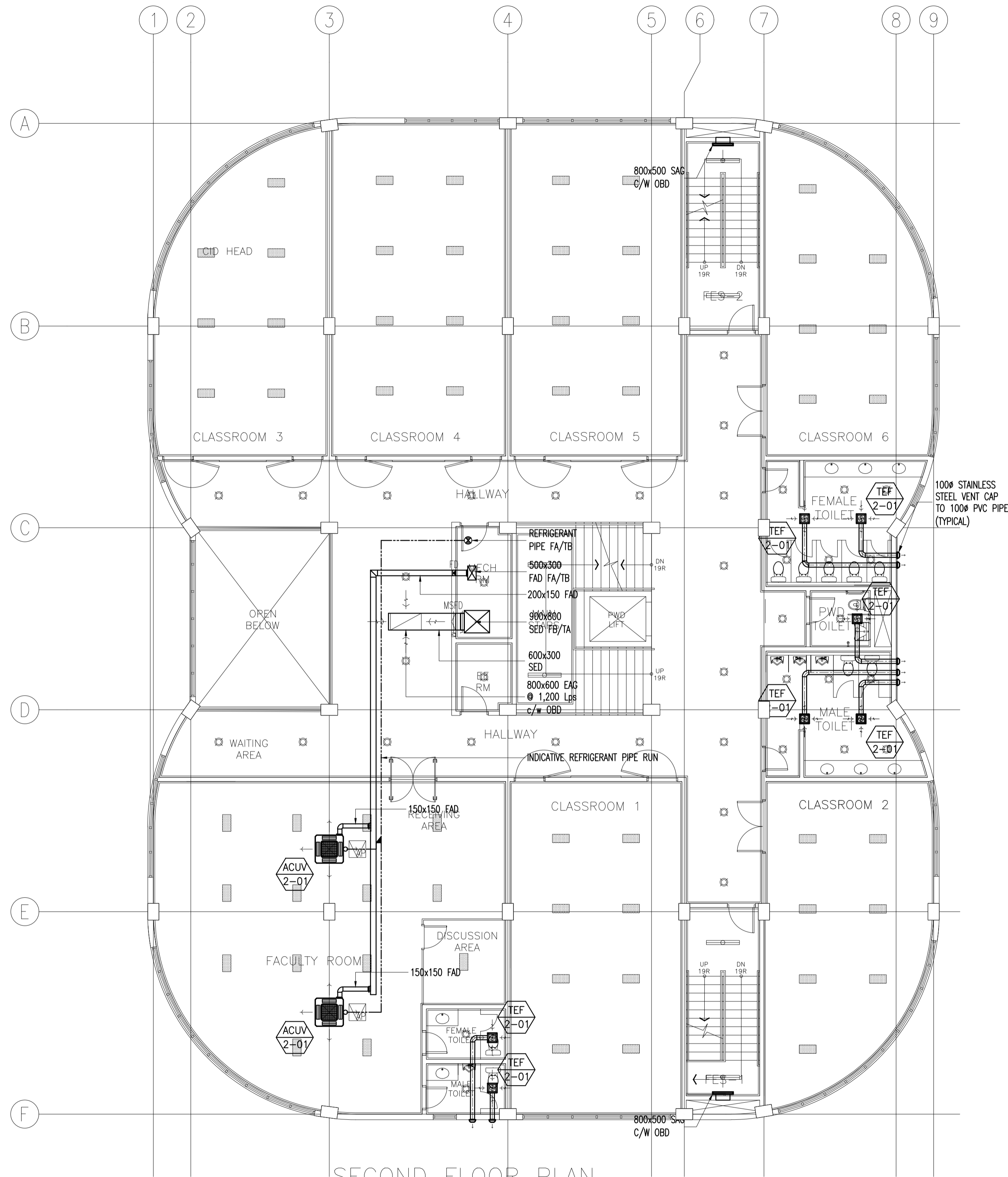
APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
BASEMENT FLOOR PLAN  
GROUND FLOOR PLAN  
A/C AND MECHANICAL VENTILATION LAYOUT

SHEET NO:  
**M**  
03 08

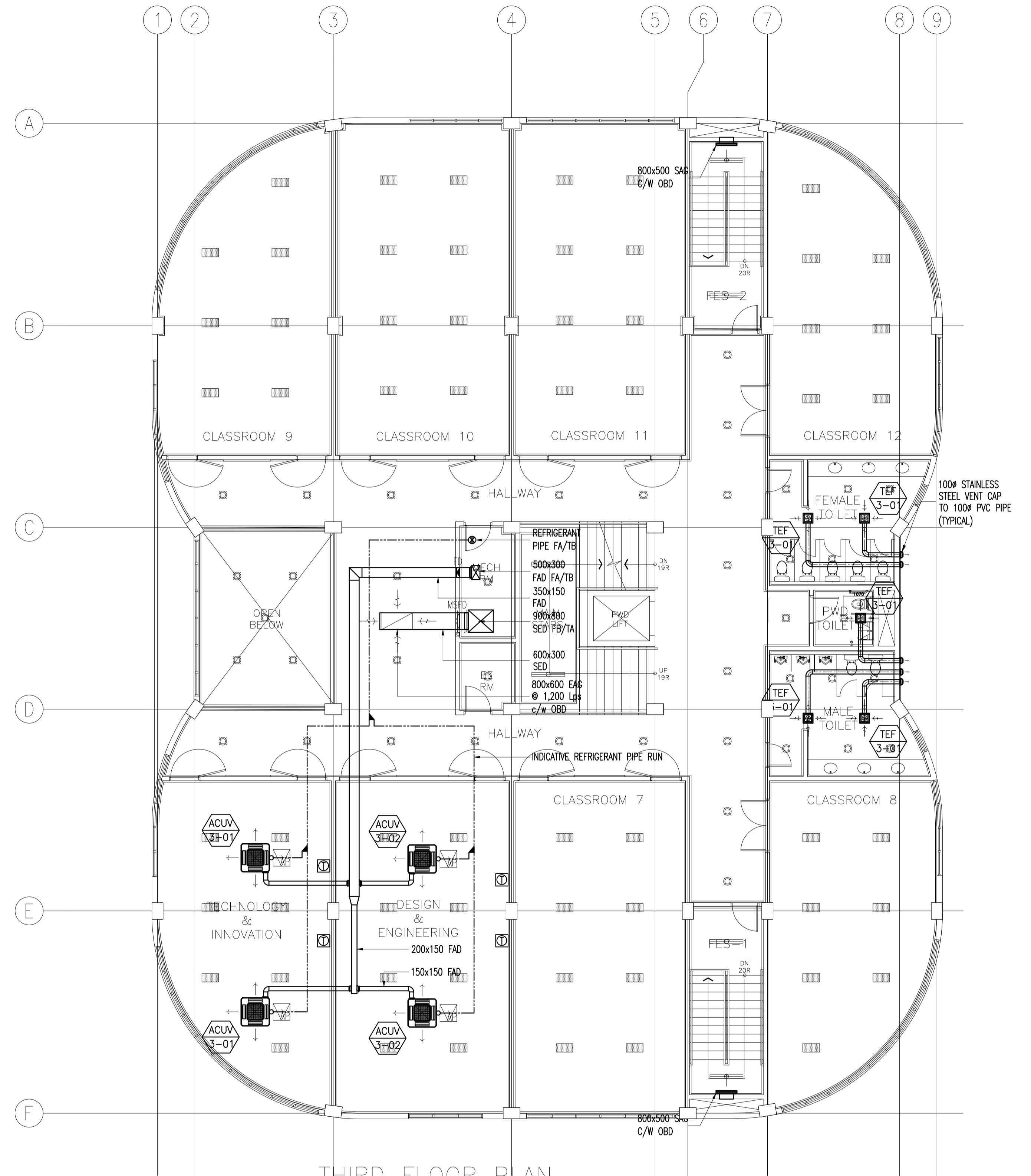


GENERAL NOTES: FOR REFERENCE ONLY, ALL MECHANICAL WORKS ARE EXCLUDED IN PHASE 2



SECOND FLOOR PLAN  
ACADEMIC BUILDING II  
A/C AND MECHANICAL VENTILATION LAYOUT

1  
M-04 SCALE 1:100



THIRD FLOOR PLAN  
ACADEMIC BUILDING II  
A/C AND MECHANICAL VENTILATION LAYOUT

2  
M-04 SCALE 1:100

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORONDA HEIGHTS,  
QUEZON CITY, 1108  
TEL NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

DESIGNER:  
**MELITON A. NAGUE**  
PROFESSIONAL MECHANICAL ENGINEER  
PRC No. 4908 Validity: 06/05/2024  
PTR No. 8535022 Date: 01/05/2021  
Place: MAKATI CITY TIN: 912-907-486

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II /  
MULTI-PURPOSE GYMNASIUM**  
LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

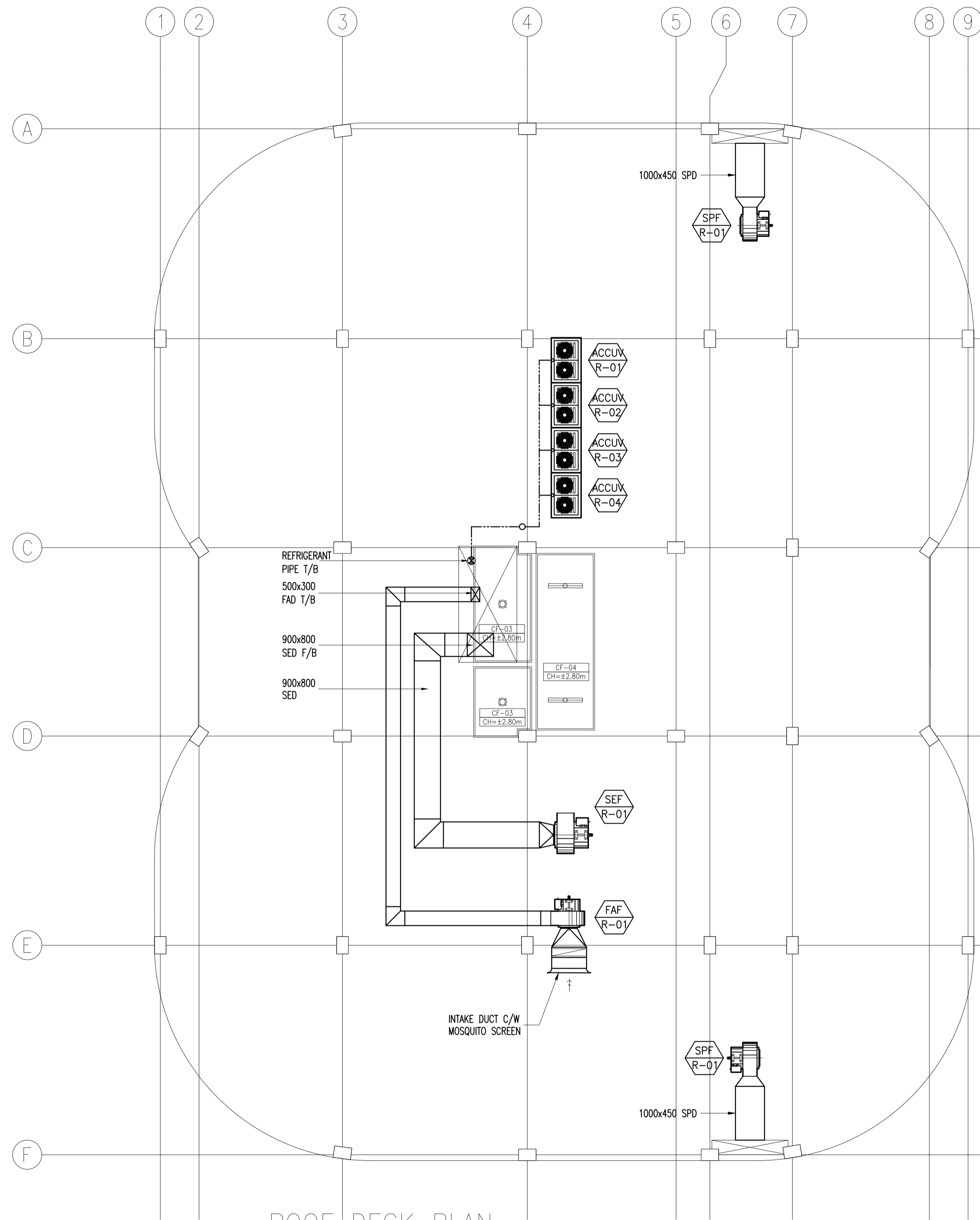
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
SECOND FLOOR PLAN  
THIRD FLOOR PLAN  
A/C AND MECHANICAL VENTILATION LAYOUT

SHEET NO:  
**M**  
04 08





1  
M-05 SCALE 1:100

ROOF DECK PLAN  
ACADEMIC BUILDING II  
A/C AND MECHANICAL VENTILATION LAYOUT

**ENRIQUE O. OLANAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

*IN JOINT VENTURE WITH*

**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORONGA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

DESIGNER:

**MELITON A. NAGUE**  
PROFESSIONAL MECHANICAL ENGINEER

PRC No. 4908	Validity: 06/05/2024
PTR No. 8535022	Date: 01/05/2021
Place: MAKATI CITY	TIN: 912-907-486

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
ACADEMIC BUILDING II /  
MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:

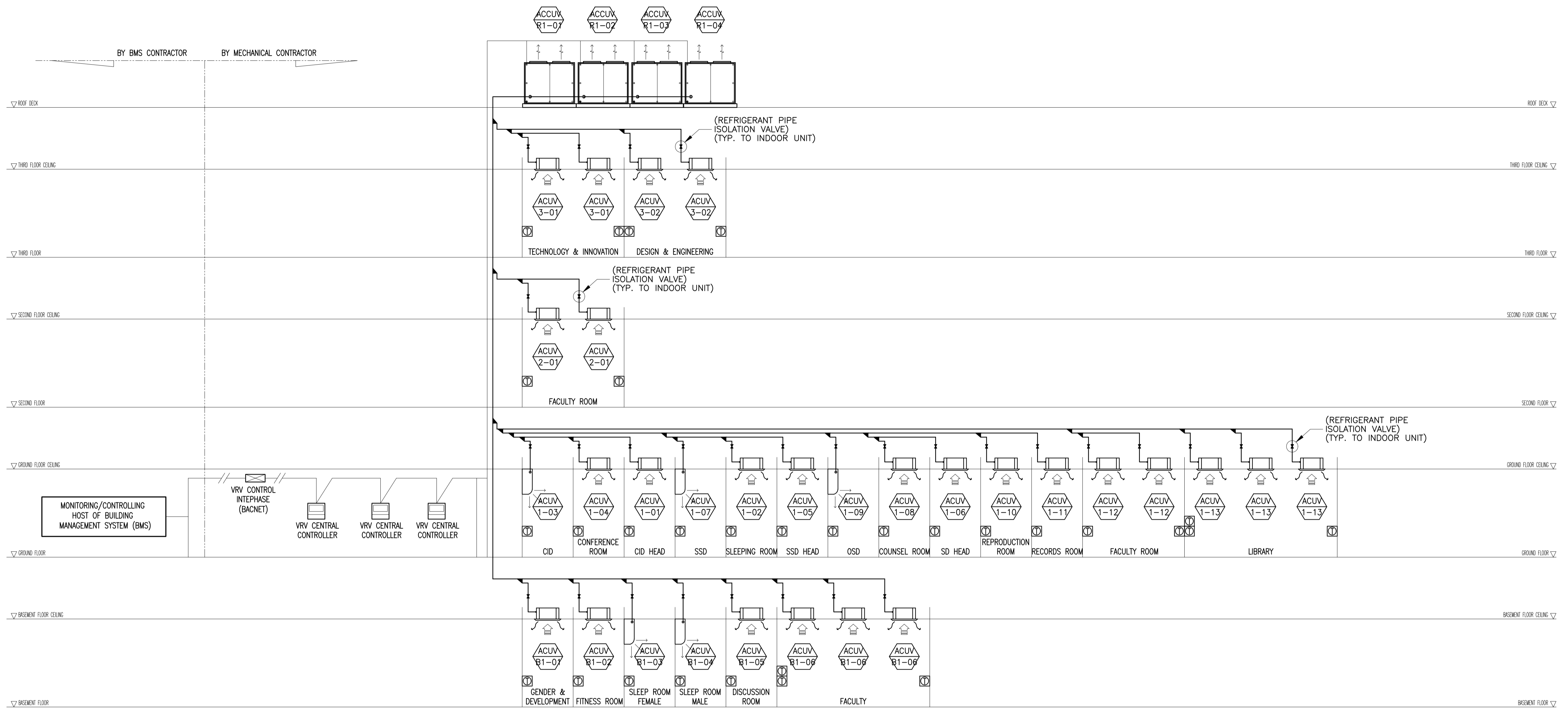
ROOF DECK PLAN  
A/C AND MECHANICAL VENTILATION LAYOUT

SHEET NO:

**M**  
05 08



GENERAL NOTES: FOR REFERENCE ONLY, ALL MECHANICAL WORKS ARE EXCLUDED IN PHASE 2



- CONTROL/BMS NOTES**
1. ALL LOCAL THERMOSTAT SHALL BE WIRED CONNECT TO INDOOR UNIT. WIRELESS REMOTE IS NOT ADVISABLE.
  2. PROVIDE ALL CONTROL DEVICES AND CONNECT TO BMS FOR ALL UNITS.
  3. PROVIDE DIRECT DIGITAL CONTROLLER FOR EACH UNIT.
  4. CONTROLLER AND WIRING TO AND FROM UNIT SHALL BE UL LISTED FOR FIRE ALARM SERVICE.
  5. CONTROL DIAGRAM APPLICABLE TO OTHER AREAS WITH SIMILAR SCHEME.
  6. FULL COMMUNICATION TO BMS VIA OPEN PROTOCOL (BACNET). ALL READINGS TO BE READABLE ON BMS. ALL NECESSARY INTERFACE EQUIPMENT TO BE INCLUDED FINAL POINT QUANTITIES TO BE CONFIRMED ON FINAL EQUIPMENT SELECTION BY THE CONTRACTOR.
  7. NUMBER OF INPUT AND OUTPUT POINTS MAY VARY DEPENDING ON THE NUMBERS OF RELATED EQUIPMENT. BMS CONTRACTOR TO PRESENT THE NUMBER OF POINTS TO BE FINALIZED BY THE CONSULTANT AND CLIENTS.
  8. ALL DDC TO BE PROVIDED BY BMS CONTRACTOR.
  9. CONTROL INTERPHASE MODULE FOR VRF/VRF SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.

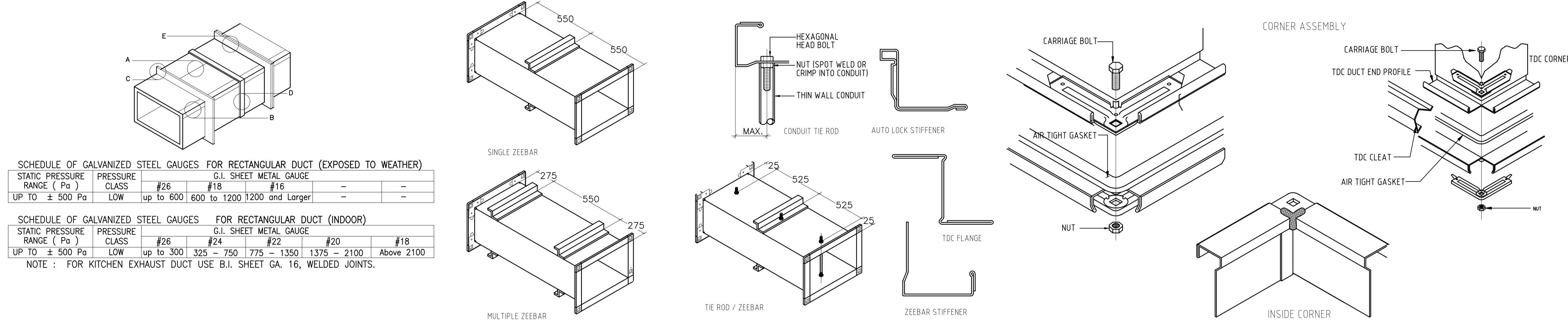
1  
M-06 SCALE 1:100

ACADEMIC BUILDING II  
VRF SCHEMATIC DIAGRAM

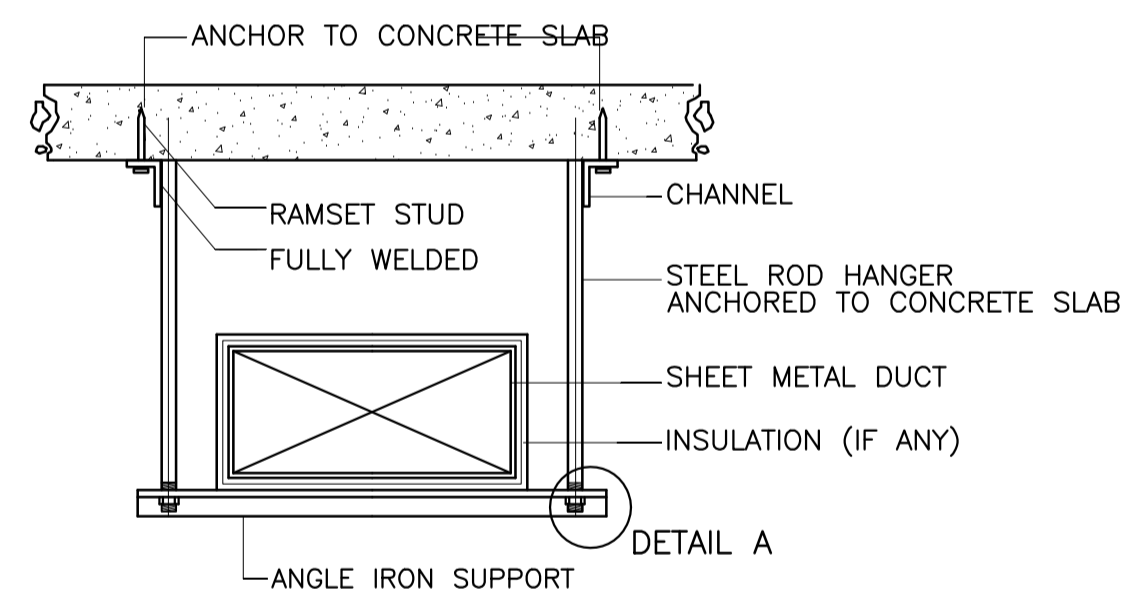
<p><b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS</p> <p><i>IN JOINT VENTURE WITH</i></p> <p><b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p> <p>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LOROVILLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214</p>	<p>DESIGNER:</p> <p><b>MELITON A. NAGUE</b> PROFESSIONAL MECHANICAL ENGINEER</p> <p>PRC No. 4908 Validity: 06/05/2024 PTR No. 8535022 Date: 01/05/2021 Place: MAKATI CITY TIN: 912-907-486</p>	<p>REPUBLIC ACT 9266</p> <p><small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small></p>	<p>PROJECT:</p> <p><b>PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM</b></p> <p>LOCATION: Brgy. Rizal, Odiangan, Romblon</p>	<p>DESIGNED FOR:</p> <p>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p>	<p>RECOMMENDING APPROVAL:</p> <p><b>MERIAM F. FALLAR</b> FAD CHIEF</p>	<p>APPROVED BY:</p> <p><b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR</p>	<p>SHEET CONTENTS:</p> <p>VRF SCHEMATIC DIAGRAM</p>	<p>SHEET NO:</p> <p><b>M</b> 06 08</p>
--	--	--	---	---	--	---	---	--



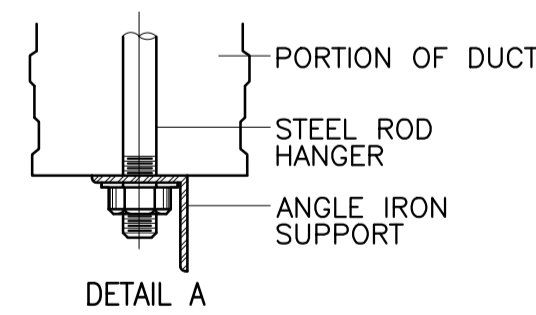
GENERAL NOTES: FOR REFERENCE ONLY, ALL MECHANICAL WORKS ARE EXCLUDED IN PHASE 2



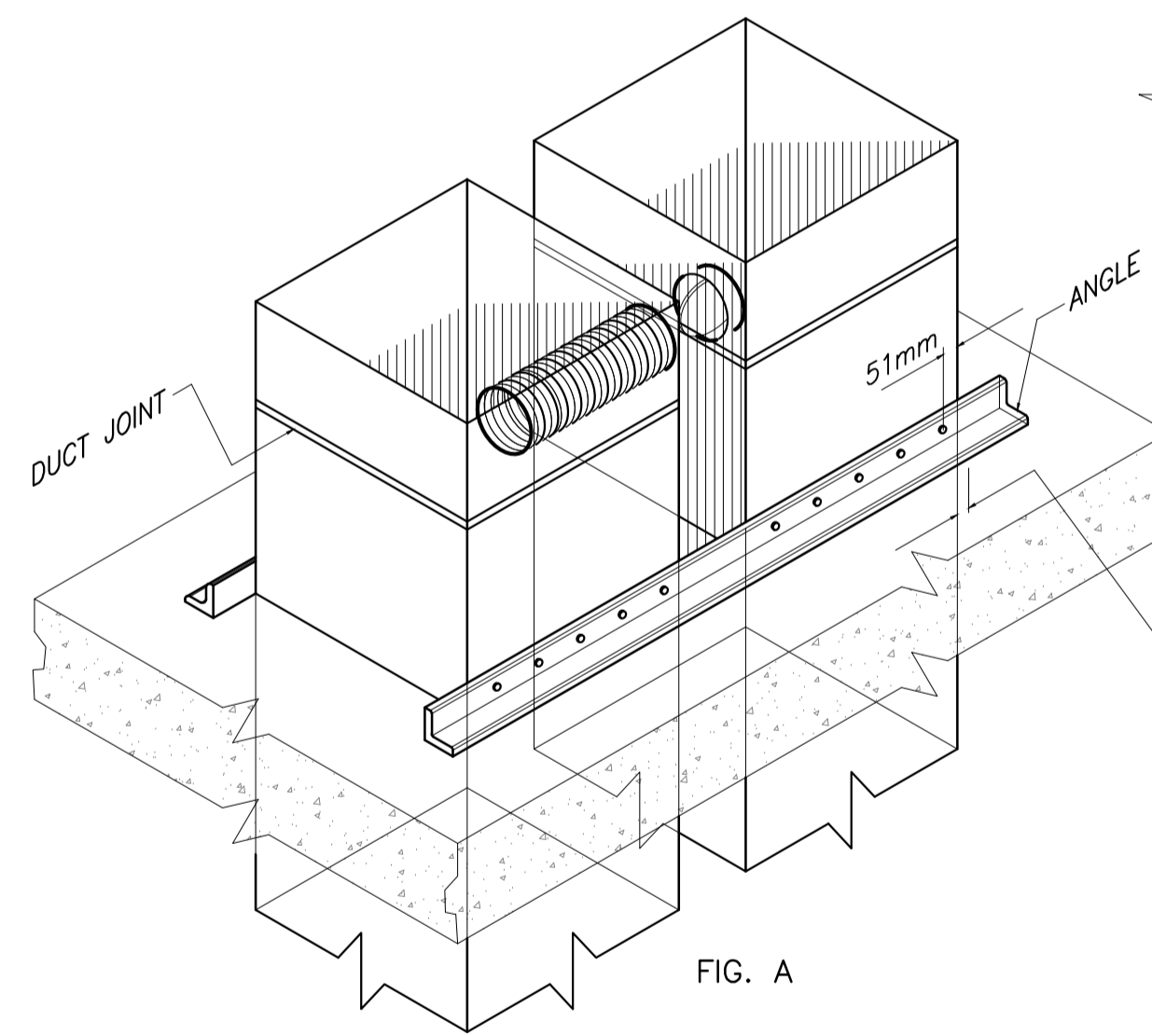
1 DUCT CONSTRUCTION DETAIL  
M-07 SCALE NTS



DUCT SIZE mm		ROD & ANGLE	
Ø	⊠	SIZES & CENTRES (METERS)	
0-360	0-760	10 DIA., 25x25x3	∅2.3
380-760	530-1220	10 DIA., 30x30x3	∅1.8
790-1520	1250 & ABOVE	10 DIA., 50x50x6	∅1.8



2 DUCT SUPPORT DETAIL  
M-07 SCALE NTS



3 DUCT RISER SUPPORT DETAIL  
M-07 SCALE NTS

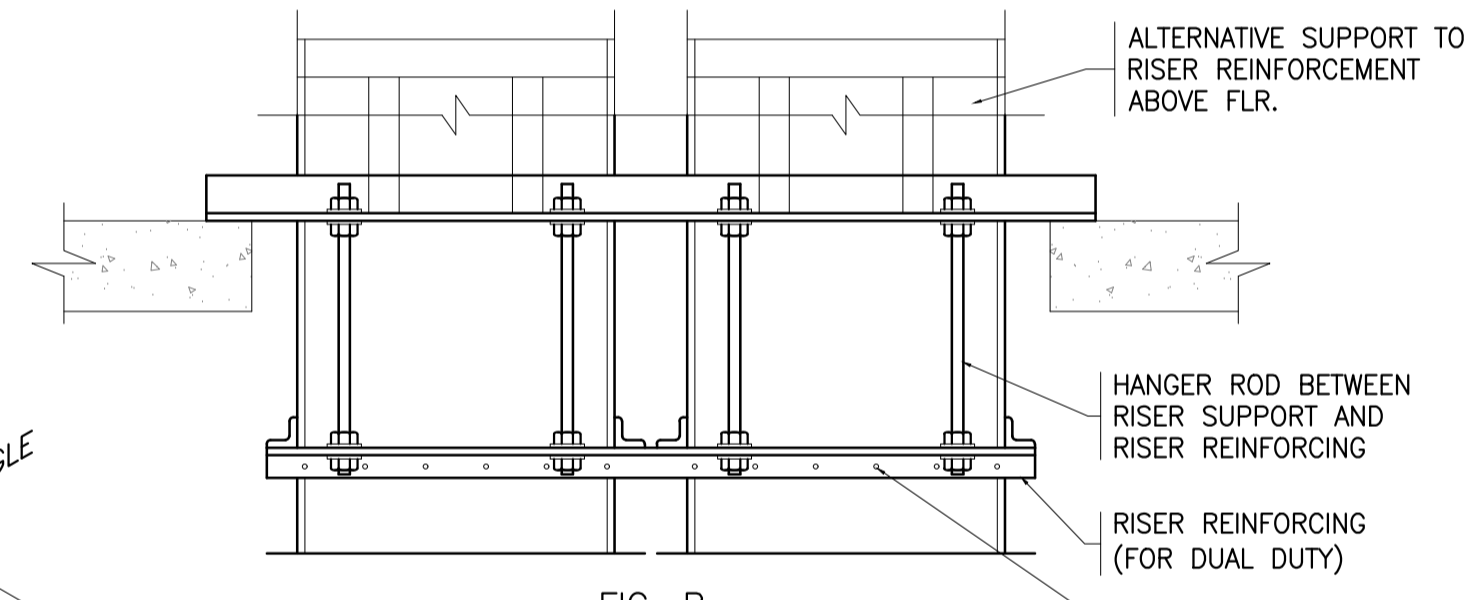


FIG. B  
\* MINIMUM NUMBER OF FASTENERS ON EACH OF TWO SUPPORT BARS

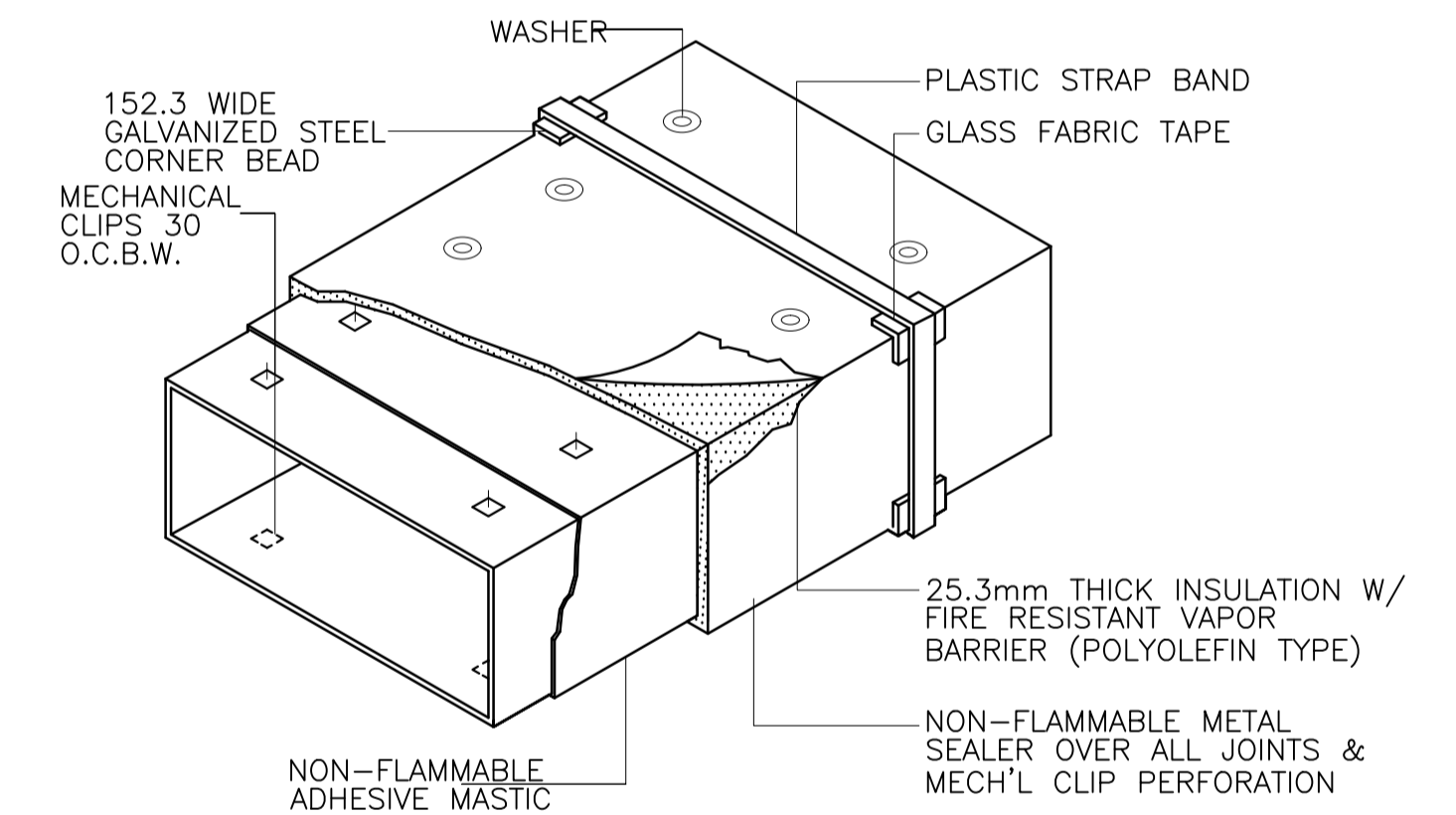
LARGEST DUCT DIM.	MINIMUM NUMBER OF FASTENERS
406mm AND DOWN	2
432mm - 610mm	3
OVER 610mm	LARGEST DUCT DIM. DIVIDED BY 8

LOCATE A FASTENER WITHIN 51mm OF THE DUCT EDGES. LOCATE OTHERS AT EVENLY SPACED INTERVALS. SEE TABLE 4-4 ON PAGE 4-16.

SUGGESTED SIZING FOR SUPPORT OF 3.7m OF DUCT

DUCT SIZE	ANGLE
914x457mm	38.1x38.1x3.2mm
1219x610mm	38.1x38.1x3.2mm
1524x762mm	38.1x38.1x4.8mm
1524x1524mm	38.1x38.1x6.4mm OR 51x51x3.2mm

OVER 1524mm—INCREASE ANGLE SIZE AS REQUIRED FOR SPACE & DUCT SIZE

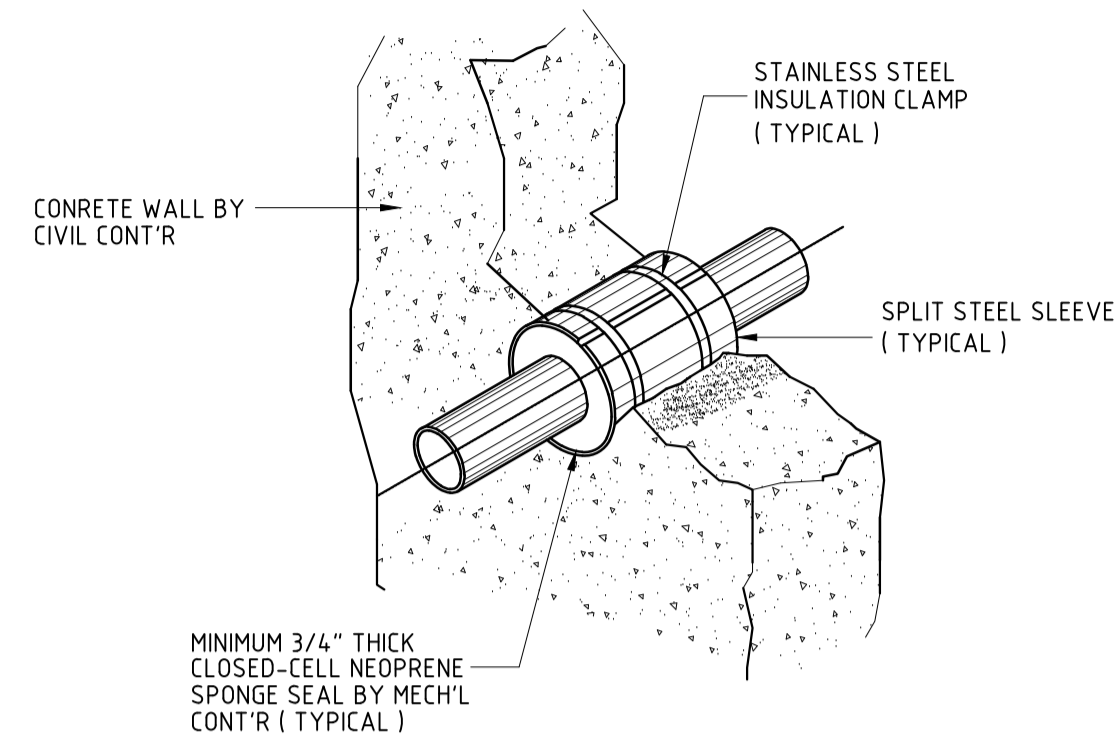


NOTE:  
ALL DUCTS AT MACHINE ROOM AND THOSE EXPOSED TO WEATHER SHALL BE COVERED W/ GAGE 26 G.I. SHEET CLADDING.

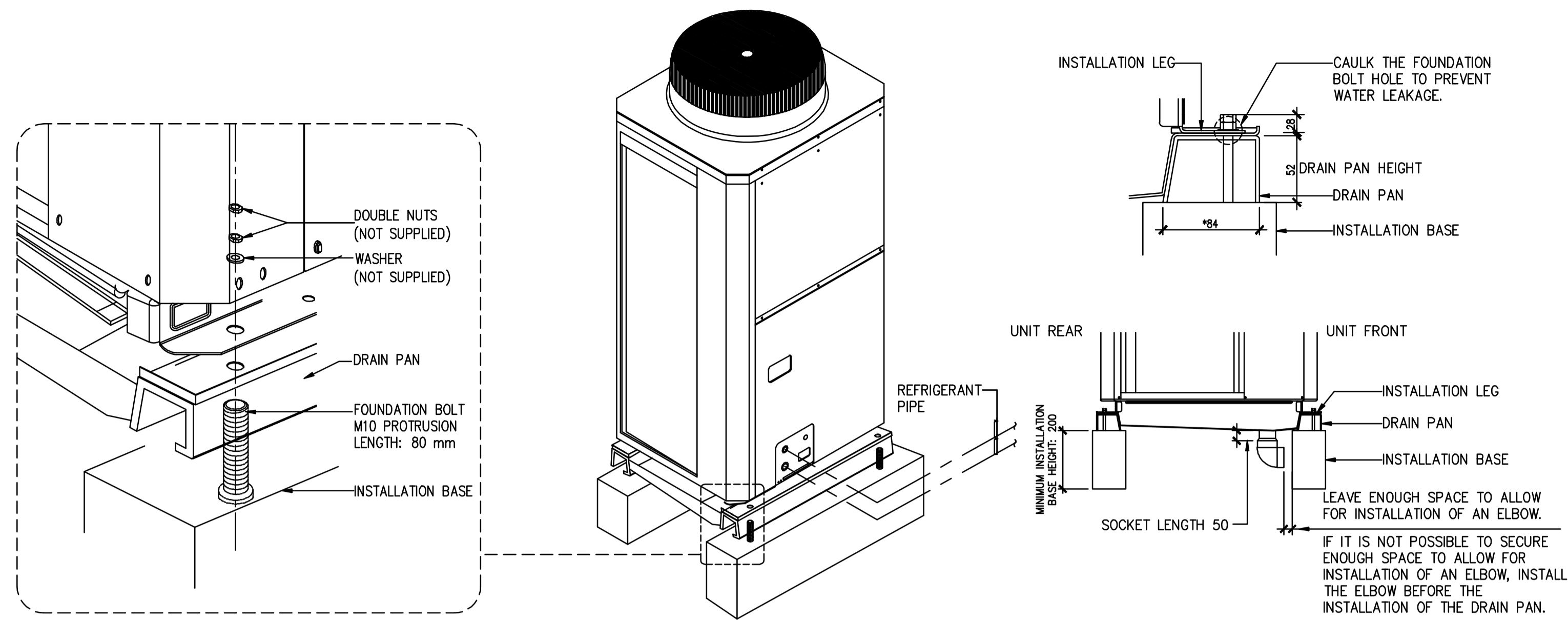
4 DUCT INSULATION DETAIL  
M-07 SCALE NTS



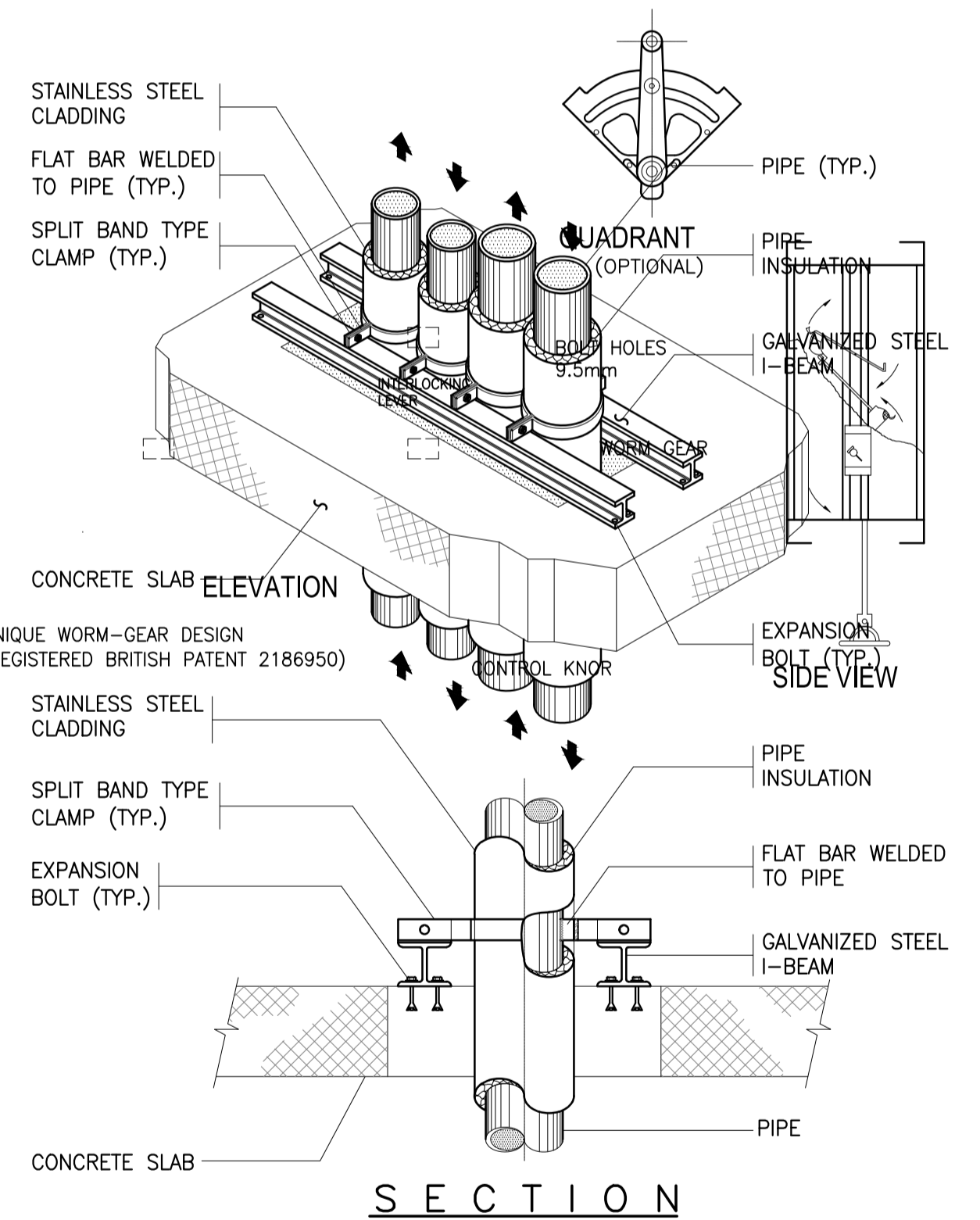
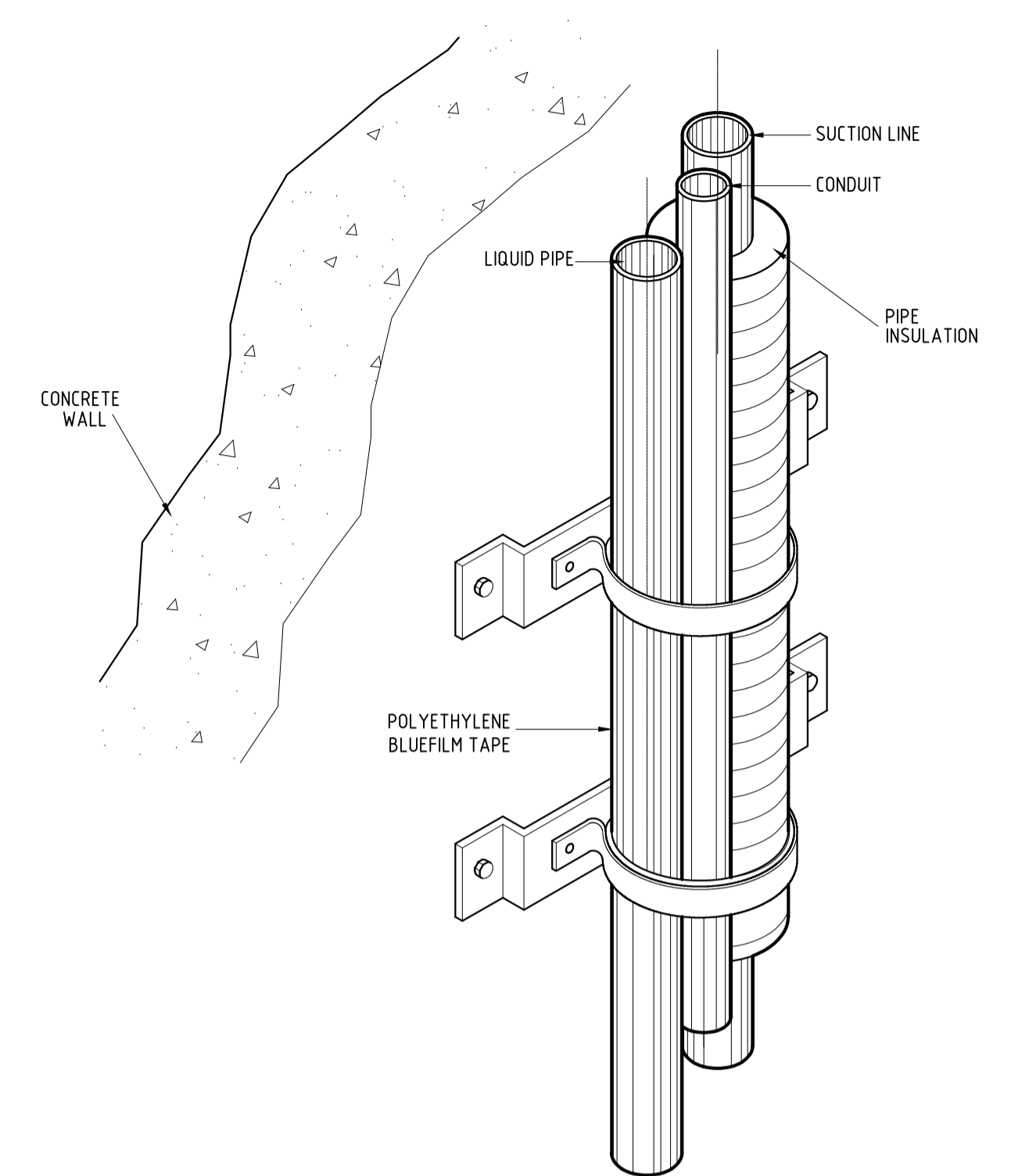
GENERAL NOTES: FOR REFERENCE ONLY, ALL MECHANICAL WORKS ARE EXCLUDED IN PHASE 2



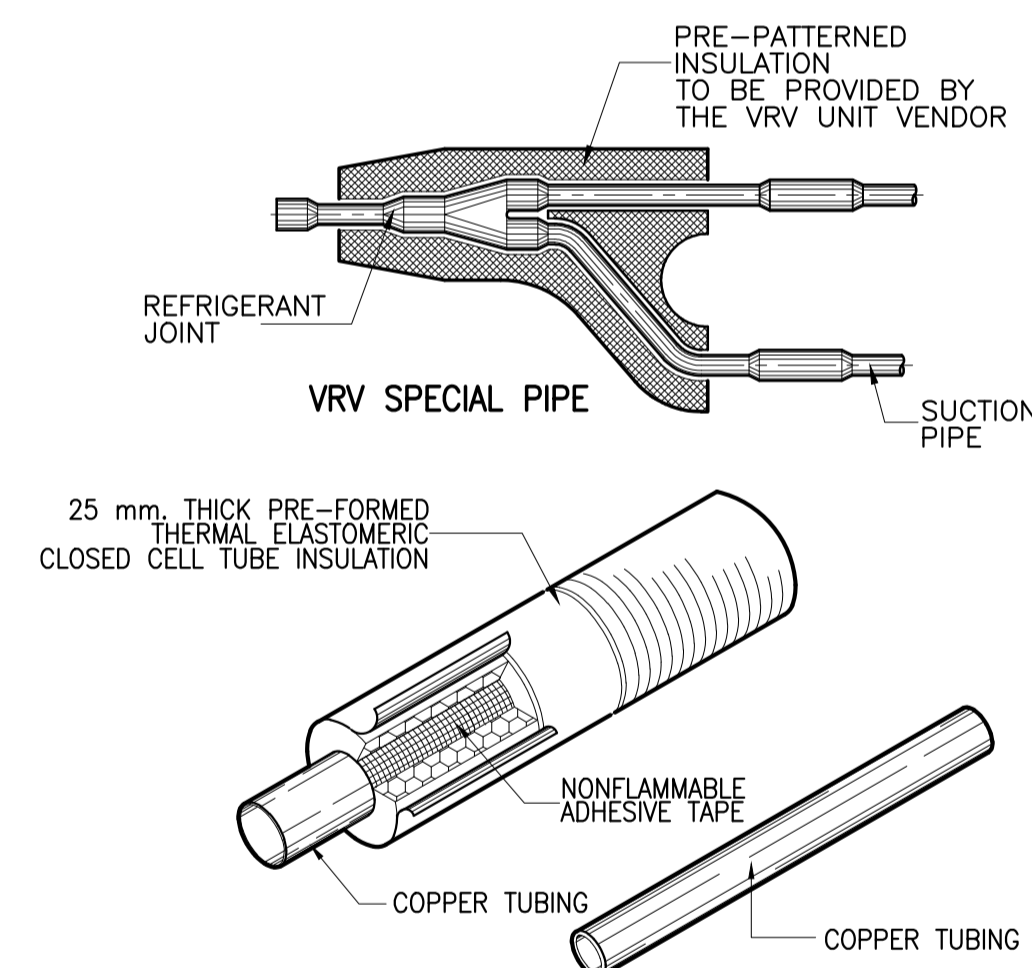
1 PIPE THRU WALL DETAIL  
M-08 SCALE NTS



2 VRF OUTDOOR UNIT INSTALLATION DETAIL  
M-08 SCALE NTS



4 PIPE SUPPORT DETAIL  
M-08 SCALE NTS



- NOTE:
- CONDENSATE DRAIN PIPE INSULATION SHALL BE OF SIMILAR MATERIAL BUT 19 mm. THICK.
  - PROVIDE ALUMINUM CLADDING FOR OUTDOOR REFRIGERANT PIPING.

5 REFRIGERANT PIPE INSULATION DETAIL  
M-08 SCALE NTS

6 PIPE RISER SUPPORT DETAIL  
M-08 SCALE NTS



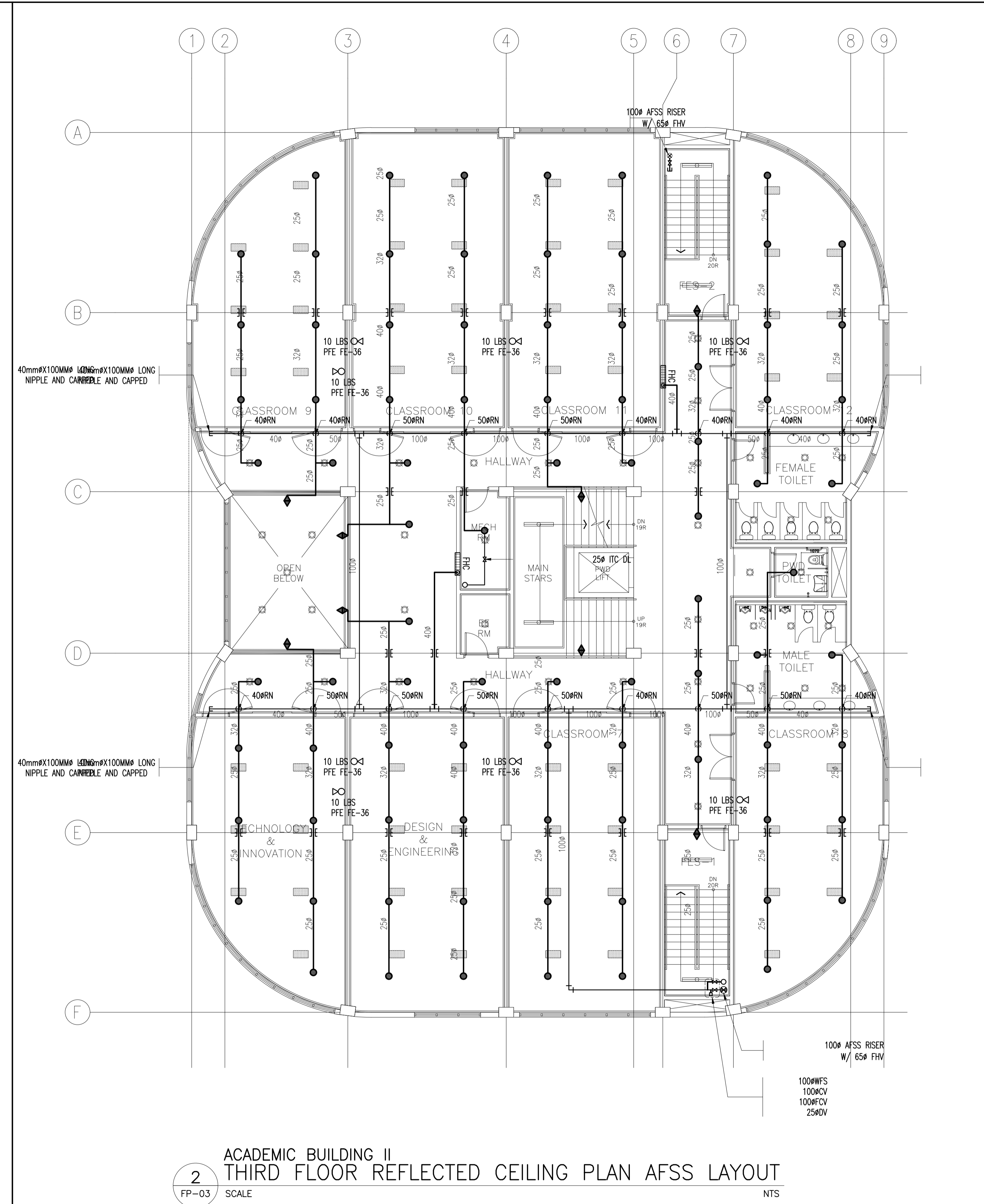
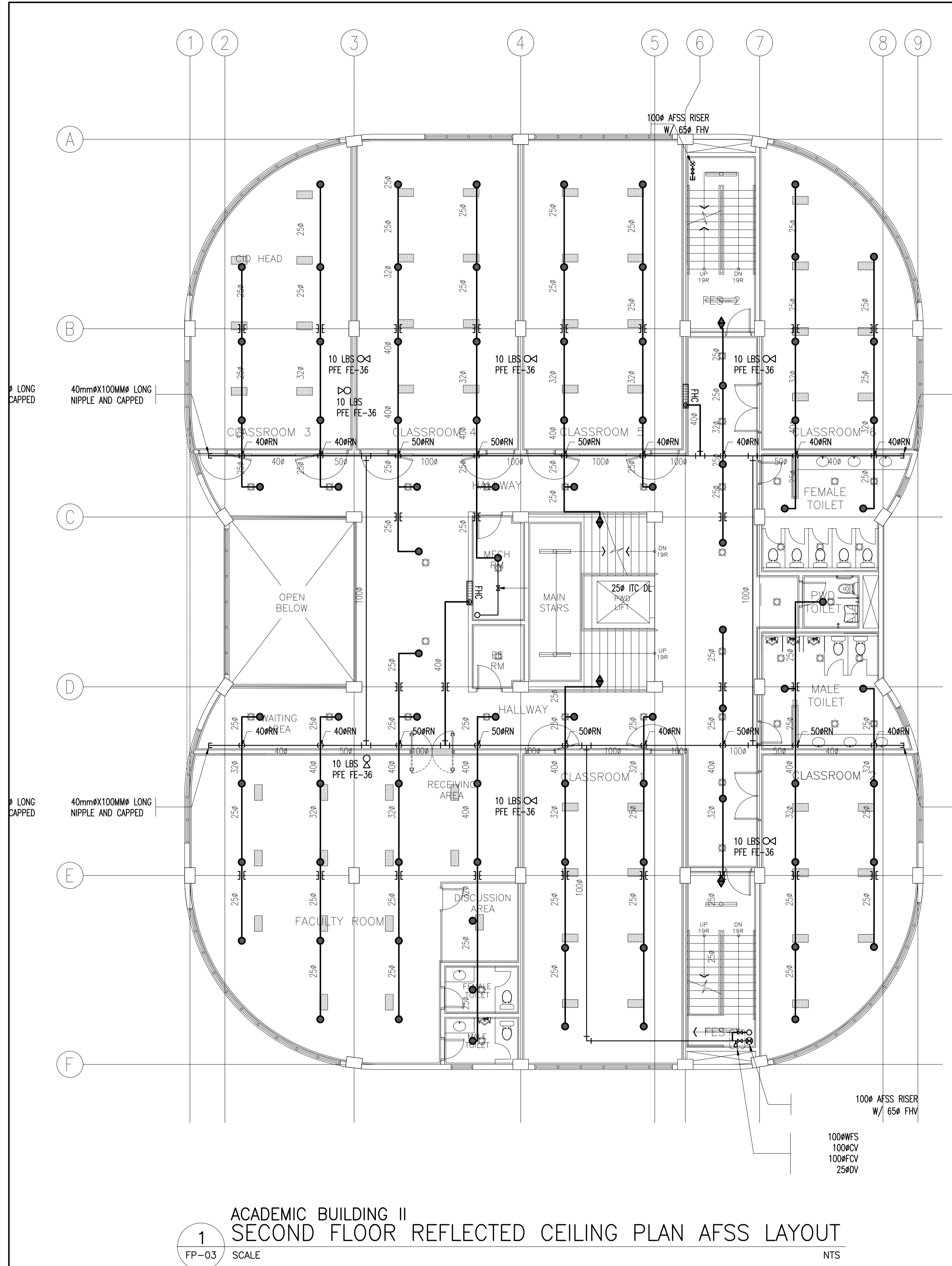








GENERAL NOTES: FOR REFERENCE ONLY, ALL FIRE-PROTECTION WORKS ARE EXCLUDED IN PHASE 2



**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

DESIGNER:  
**MELITON A. NAGUE**  
 PROFESSIONAL MECHANICAL ENGINEER  
 PRC No. 4908 Validity: 06/05/2024  
 PTR No. 8535022 Date: 01/05/2021  
 Place: MAKATI CITY TIN: 912-907-486

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

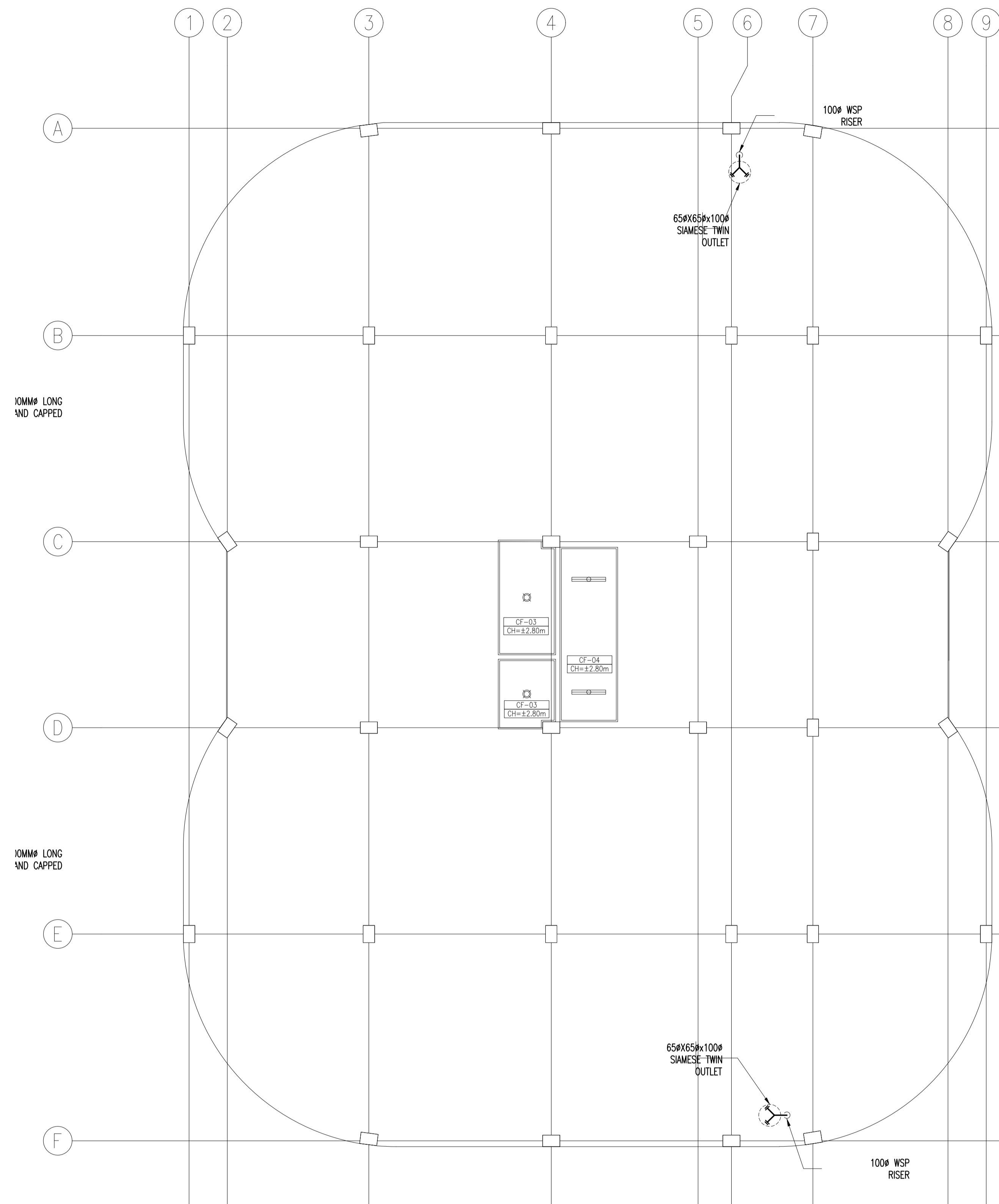
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 SECOND FLOOR REFLECTED CEILING PLAN AND  
 THIRD FLOOR REFLECTED CEILING PLAN  
 AFSS LAYOUT

SHEET NO:  
**FP 03 08**





1  
FP-04  
SCALE

ACADEMIC BUILDING II  
ROOF DECK REFLECTED CEILING PLAN AFSS LAYOUT

NTS

**ENRIQUE O. OLANAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS

*IN JOINT VENTURE WITH*

**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORONGA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

DESIGNER:

**MELITON A. NAGUE**  
PROFESSIONAL MECHANICAL ENGINEER

PRC No. 4908	Validity: 06/05/2024
PTR No. 8535022	Date: 01/05/2021
Place: MAKATI CITY	TIN: 912-907-486

REPUBLIC ACT 9266

DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED  
ACADEMIC BUILDING II /  
MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:



REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:

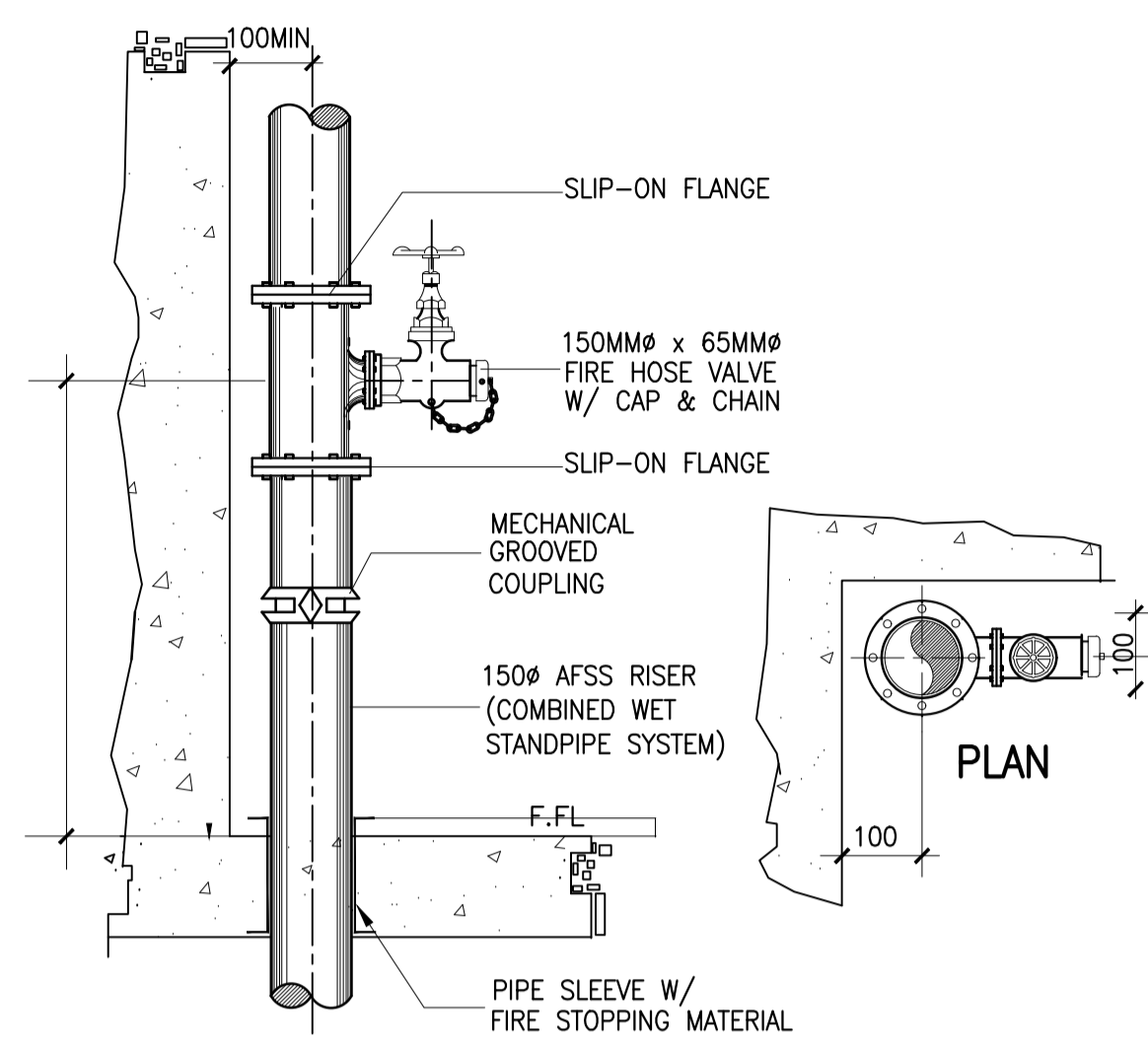
ROOF DECK REFLECTED CEILING PLAN  
AFSS LAYOUT

SHEET NO:

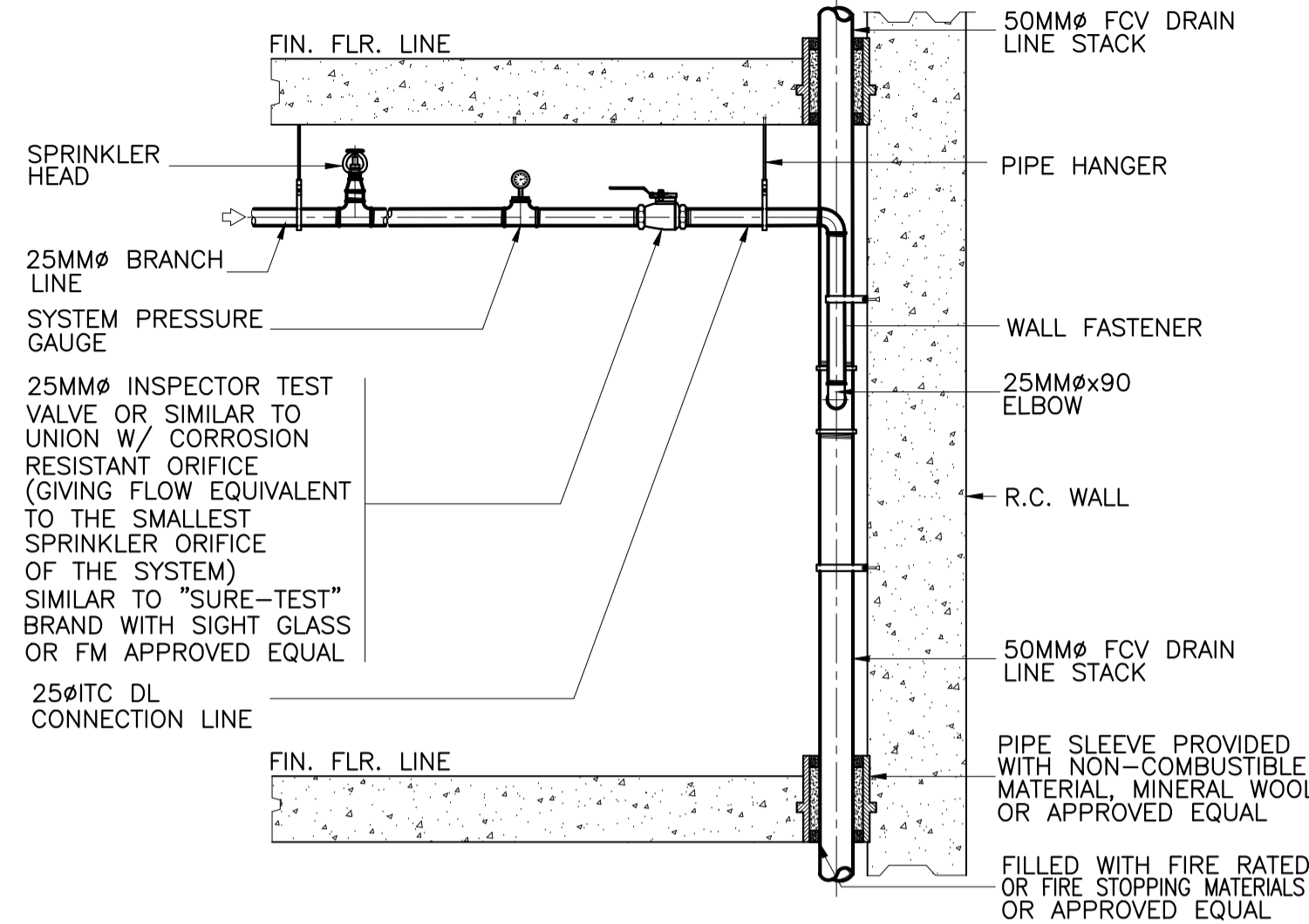
**FP**  
04 08



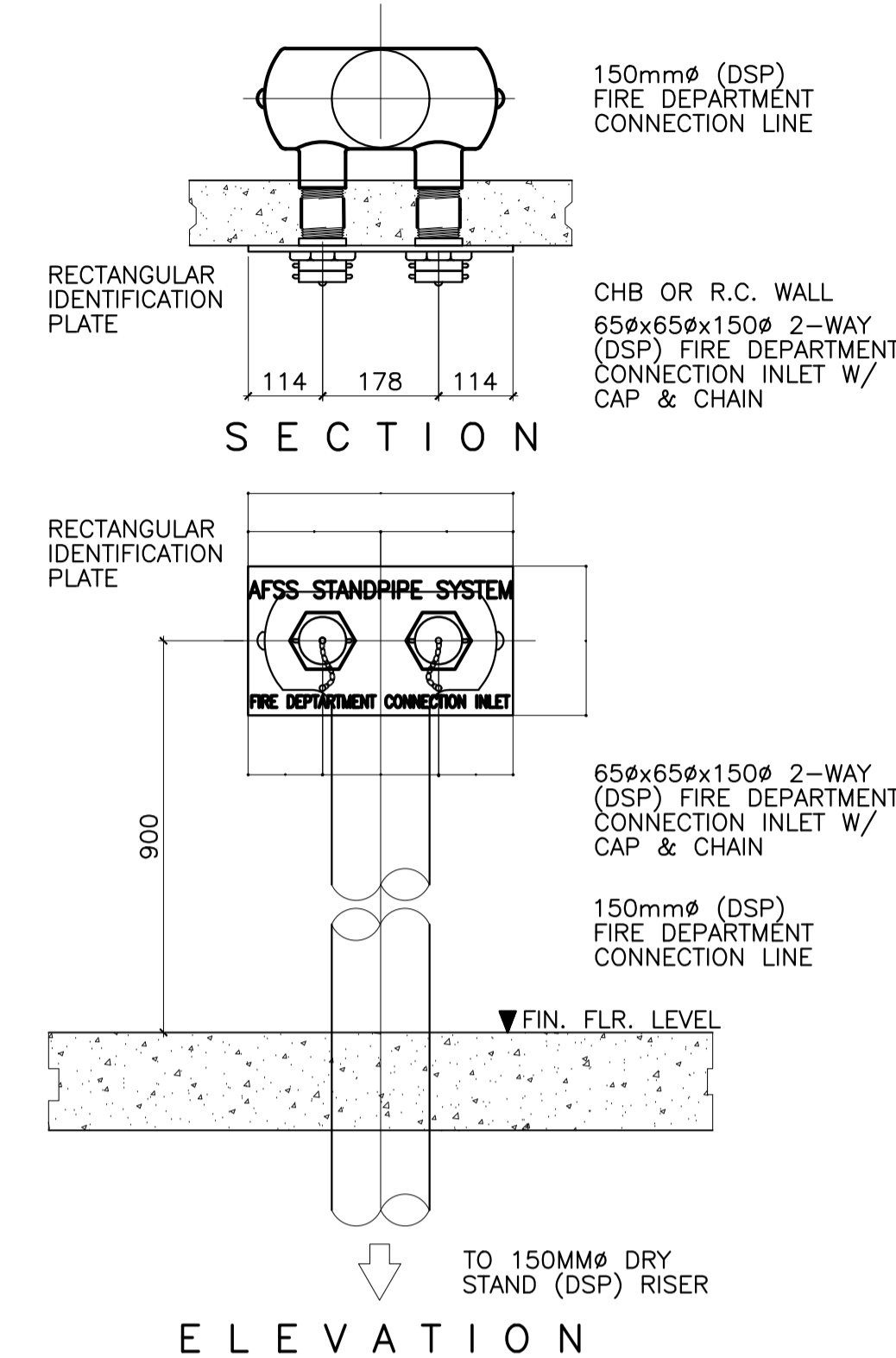
**GENERAL NOTES: FOR REFERENCE ONLY, ALL FIRE-PROTECTION WORKS ARE EXCLUDED IN PHASE 2**



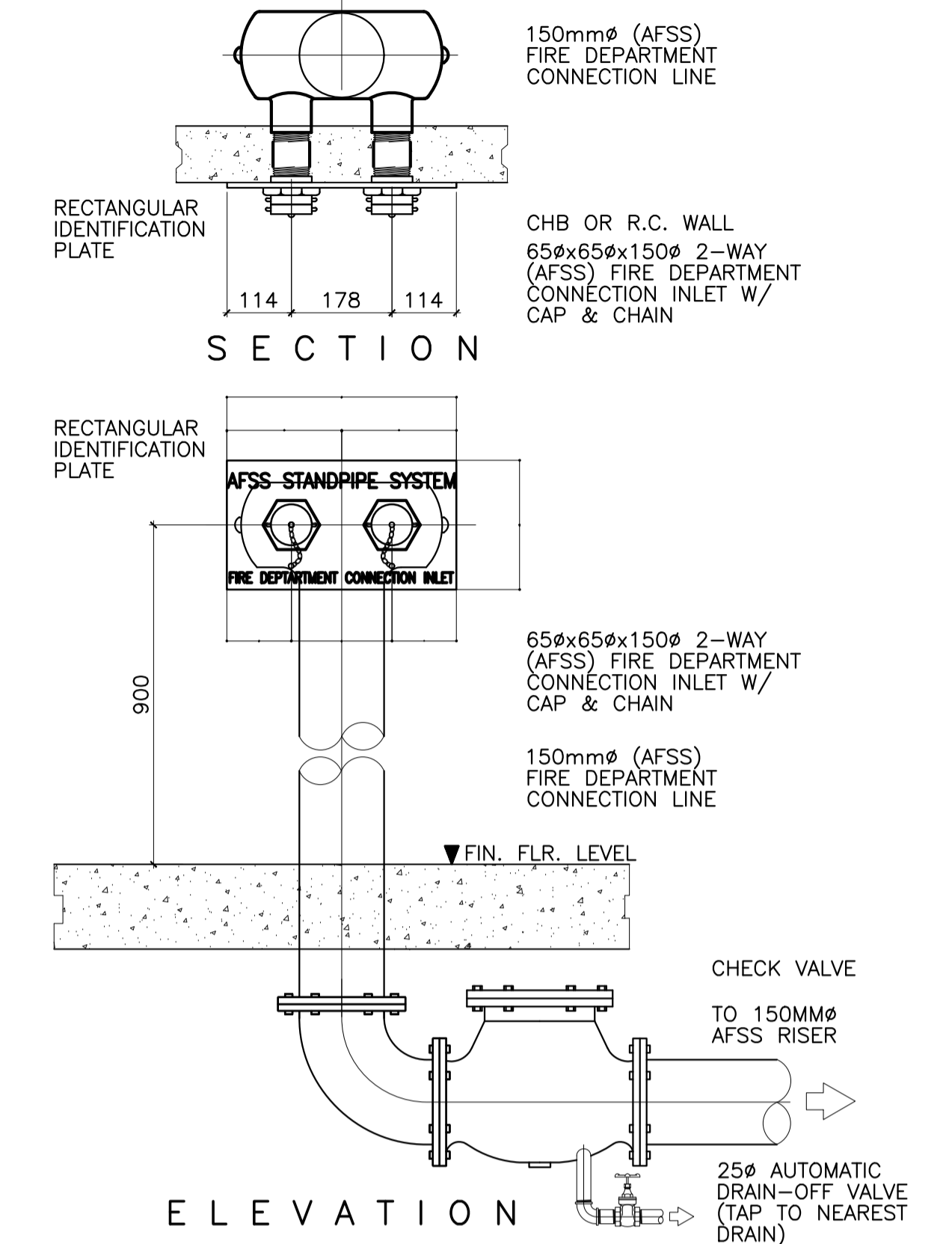
**1** DETAILS OF FIRE HOSE VALVE  
FP-05 NOT TO SCALE



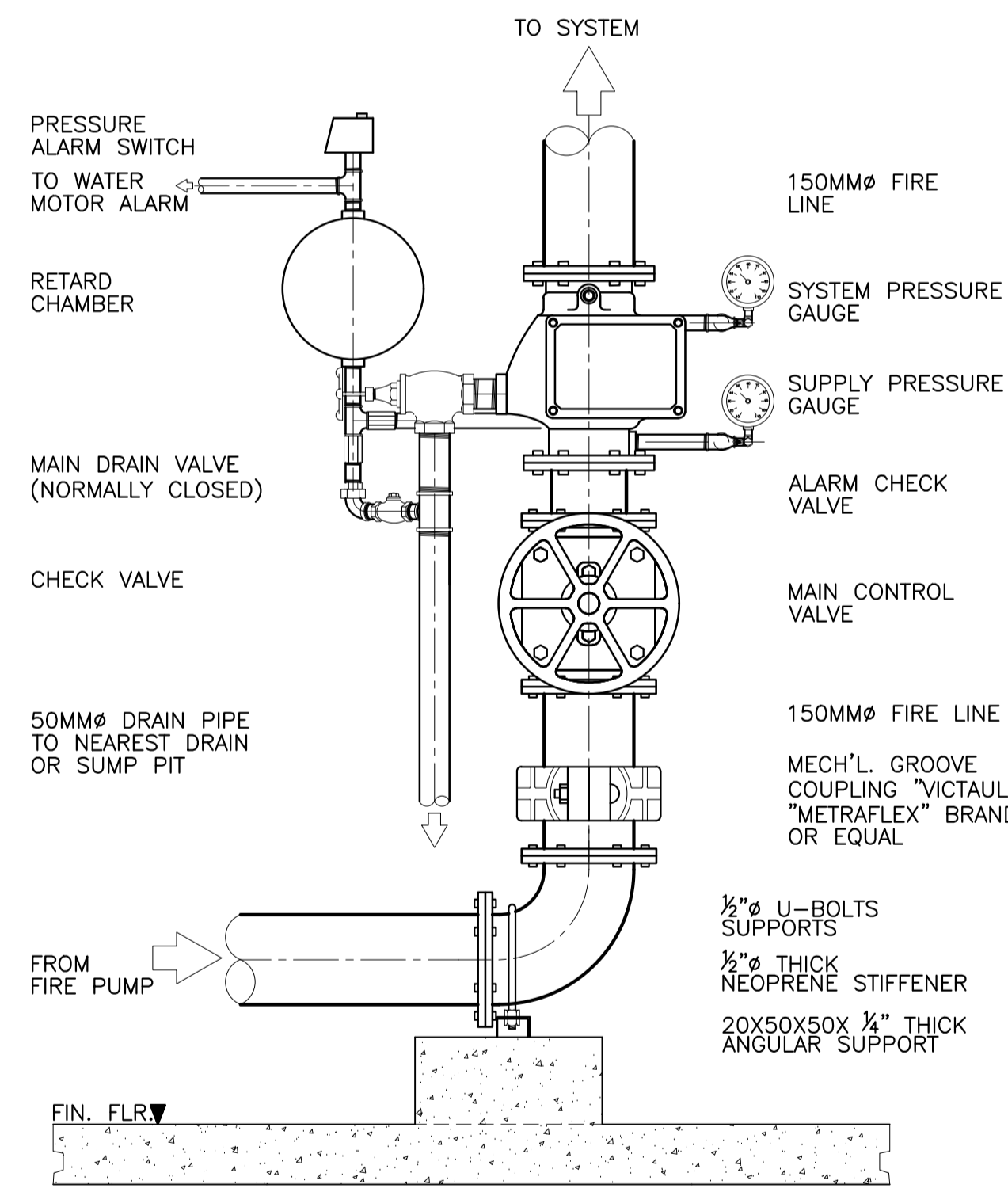
**2** DETAIL OF INSPECTOR TEST CONNECTION  
FP-05 NOT TO SCALE



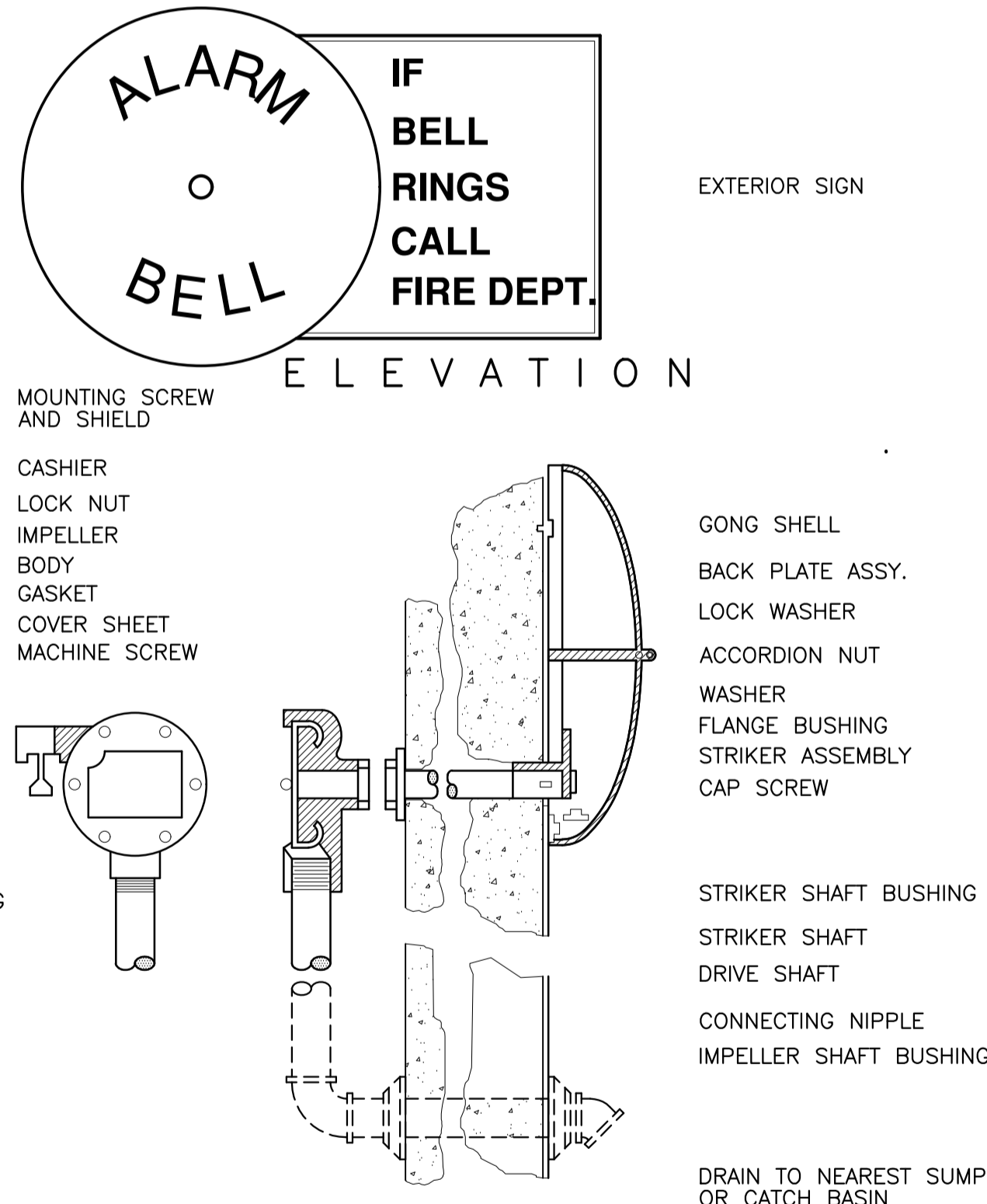
**3** DETAIL OF DSP FIRE DEPT. INLET  
FP-05 SCALE 1:10 MTS.



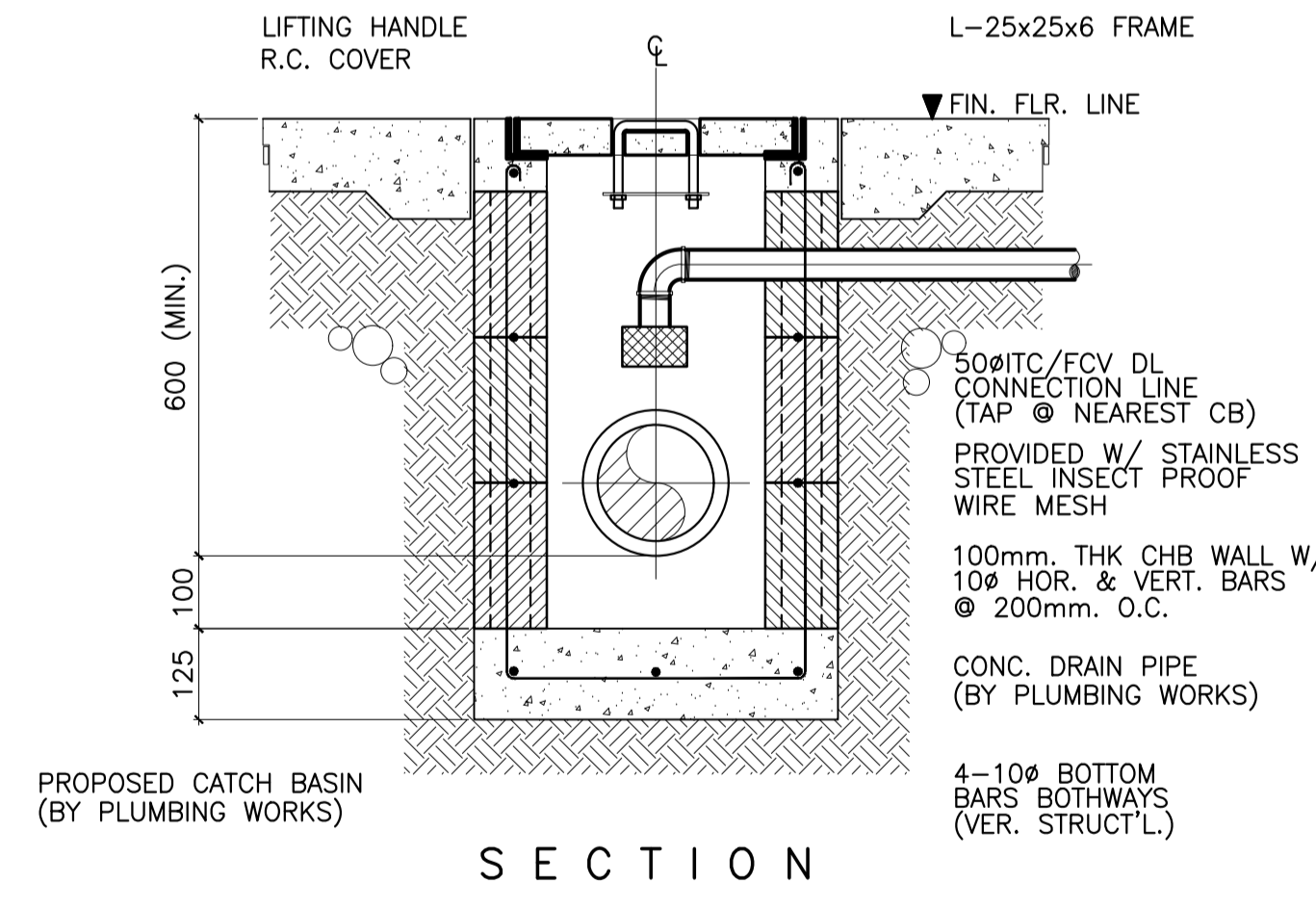
**4** DETAIL OF AFSS FIRE DEPT. INLET  
FP-05 SCALE 1:10 MTS.



**5** DETAIL OF ALARM CHECK VALVE ASSEMBLY (WET TYPE)  
FP-05 SCALE 1:10 MTS.



**6** DETAIL OF ALARM MOTOR GONG  
FP-05 NOT TO SCALE



**7** DETAIL OF FCV/ITC DL CONNECTION TAP TO CATCH BASIN  
FP-05 SCALE 1:10 MTS.

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

DESIGNER:  
**MELITON A. NAGUE**  
PROFESSIONAL MECHANICAL ENGINEER  
PRC No. 4908 Validity: 06/05/2024  
PTR No. 8535022 Date: 01/05/2021  
Place: MAKATI CITY TIN: 912-907-486

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPUTATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**  
LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
**REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS**

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

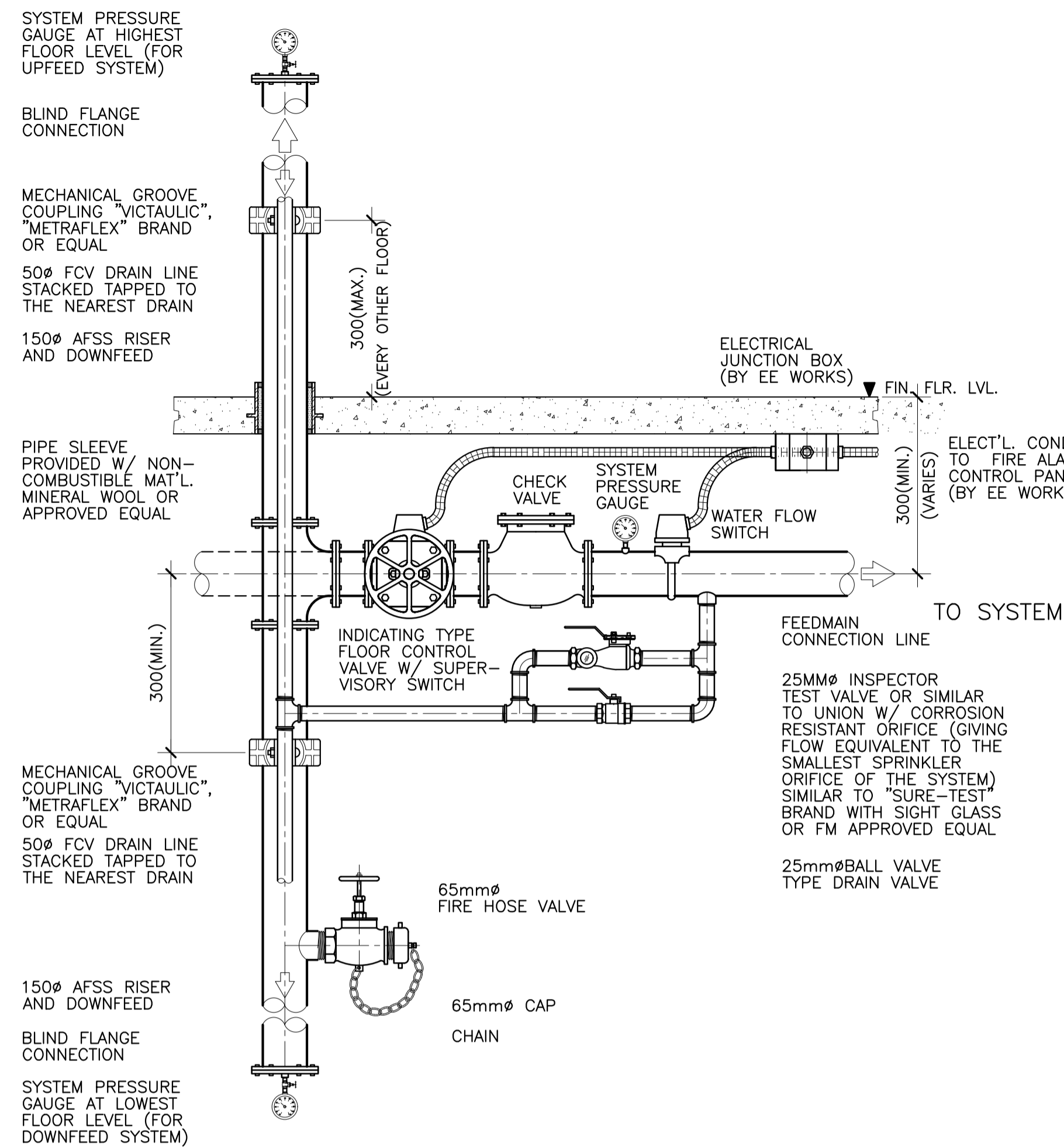
APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
MISCELLANEOUS DETAILS SHEET 1 OF 4

SHEET NO:  
**FP 05 08**

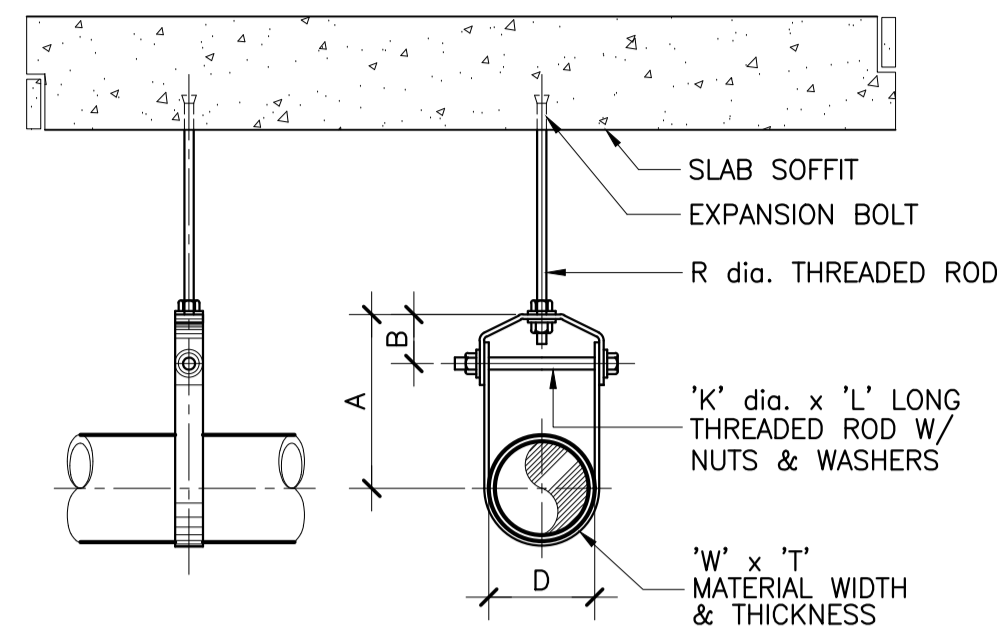


**GENERAL NOTES: FOR REFERENCE ONLY, ALL FIRE-PROTECTION WORKS ARE EXCLUDED IN PHASE 2**



**1** DETAIL OF SUPERVISORY FLOOR CONTROL VALVE ASSEMBLY (COMBINED SYSTEM)

FP-06 SCALE 1:15 MTS.

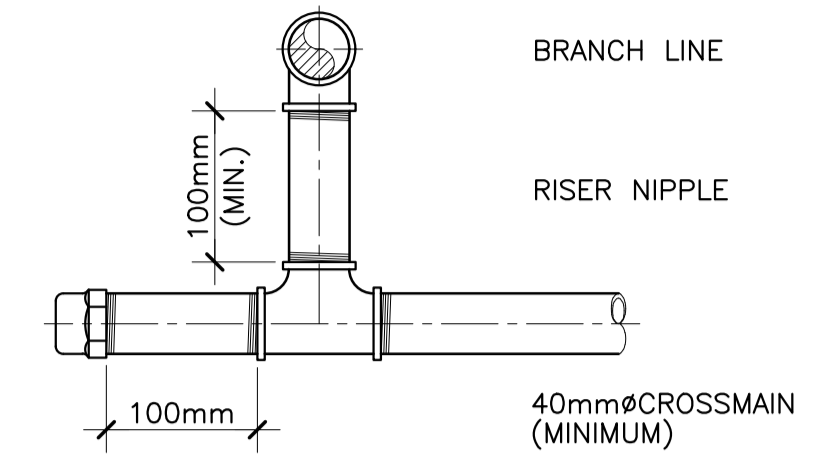


**3** DETAIL OF PIPE HANGER

FP-06 SCALE 1:10 MTS.

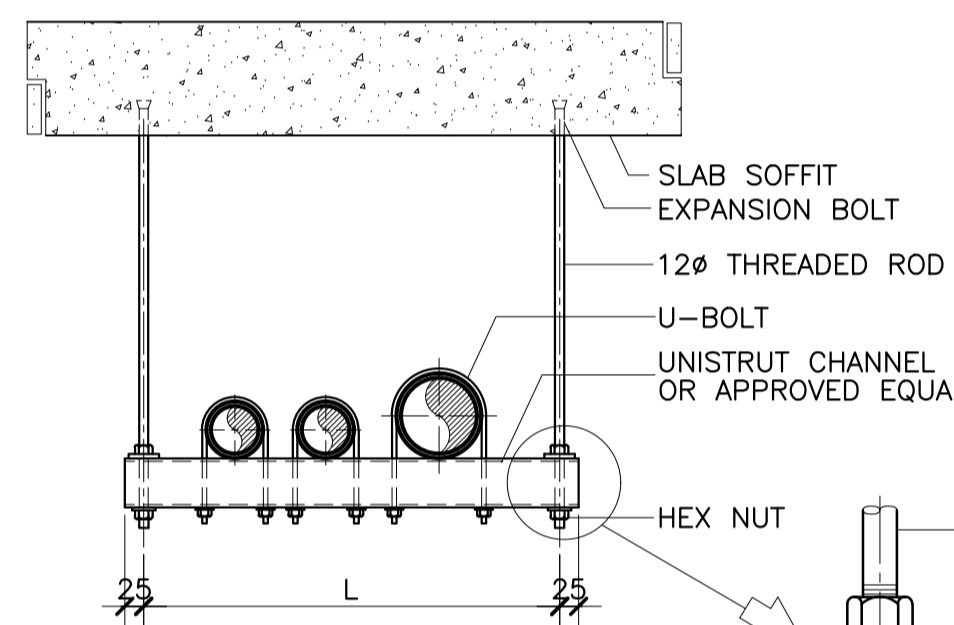
**STANDARD CLEVIS HANGERS TABLE OF DIMENSIONS**

D	A	B	R	W x T	K x L
34	80	45	12	25 x 3	M10 x 70
43	90	50	12	25 x 3	M10 x 80
48	95	50	12	25 x 3	M10 x 85
60	105	55	12	25 x 3	M10 x 100
76	115	60	14	40 x 6	M12 x 115
89	125	60	14	40 x 6	M12 x 130
114	145	65	18	40 x 6	M16 x 160
140	165	75	18	40 x 6	M16 x 190
165	185	80	18	40 x 6	M16 x 210



**4** DETAIL OF FLUSHING CONNECTION

FP-06 SCALE 1:5 MTS.



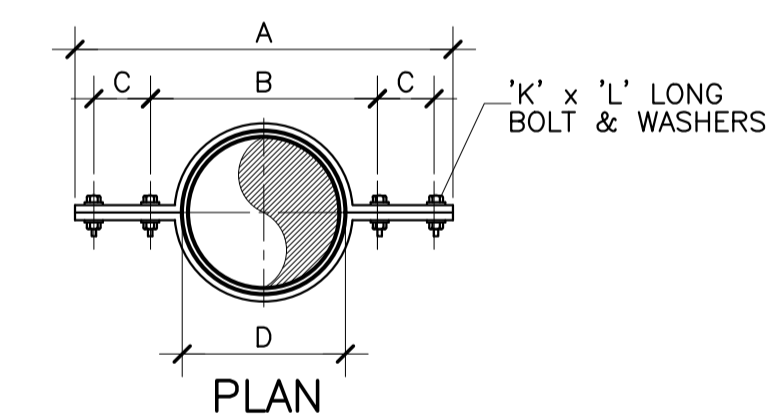
**STANDARD TRAPEZE HANGERS TABLE OF DIMENSIONS**

PART NO.	L	LOAD CAPACITY	CHANNEL
P2700	300	3.20 kN	P4000
P2701	450	2.00 kN	P4000
P2702	600	1.45 kN	P4000
P2703	600	4.23 kN	P2000
P2704	750	3.34 kN	P2000
P2705	900	3.50 kN	P1000
P2705	1000	3.25 kN	P1000

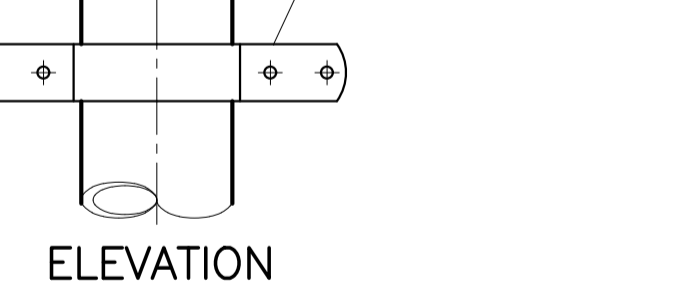
**STANDARD CLEVIS HANGERS TABLE OF DIMENSIONS**

D	A	B	R	W x T	K x L
34	80	45	12	25 x 3	M10 x 70
43	90	50	12	25 x 3	M10 x 80
48	95	50	12	25 x 3	M10 x 85
60	105	55	12	25 x 3	M10 x 100
76	115	60	14	40 x 6	M12 x 115
89	125	60	14	40 x 6	M12 x 130
114	145	65	18	40 x 6	M16 x 160
140	165	75	18	40 x 6	M16 x 190
165	185	80	18	40 x 6	M16 x 210

**FITTINGS FOR BEND PIPE/HORIZONTAL PIPE**

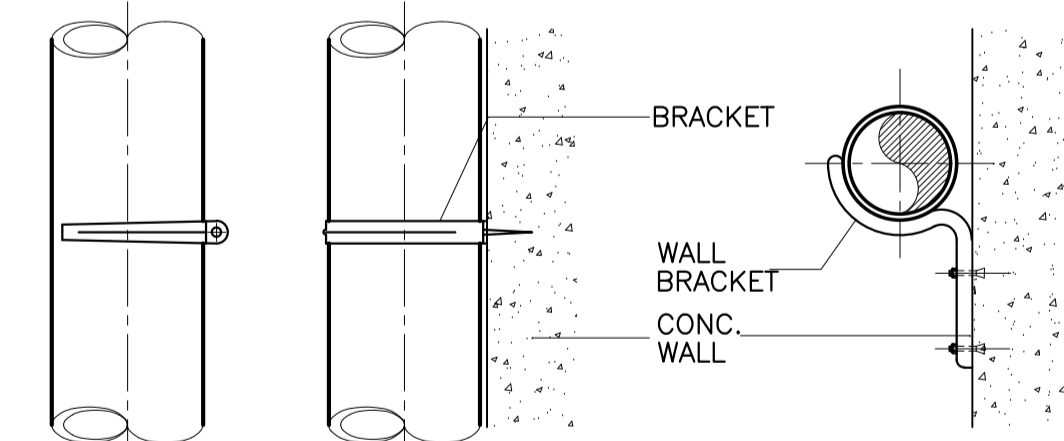


**PLAN**



**STANDARD VERTICAL CLAMP TABLE OF DIMENSIONS**

D	A	B	C	W x T	K x L
60	250	114	48	40 x 6	M12 x 40
76	266	130	48	50 x 6	M12 x 40
114	304	168	48	50 x 6	M12 x 40
165	468	254	75	75 x 10	M16 x 60
219	519	305	75	75 x 10	M16 x 60
273	573	359	75	75 x 10	M16 x 60
324	624	410	75	75 x 10	M16 x 60

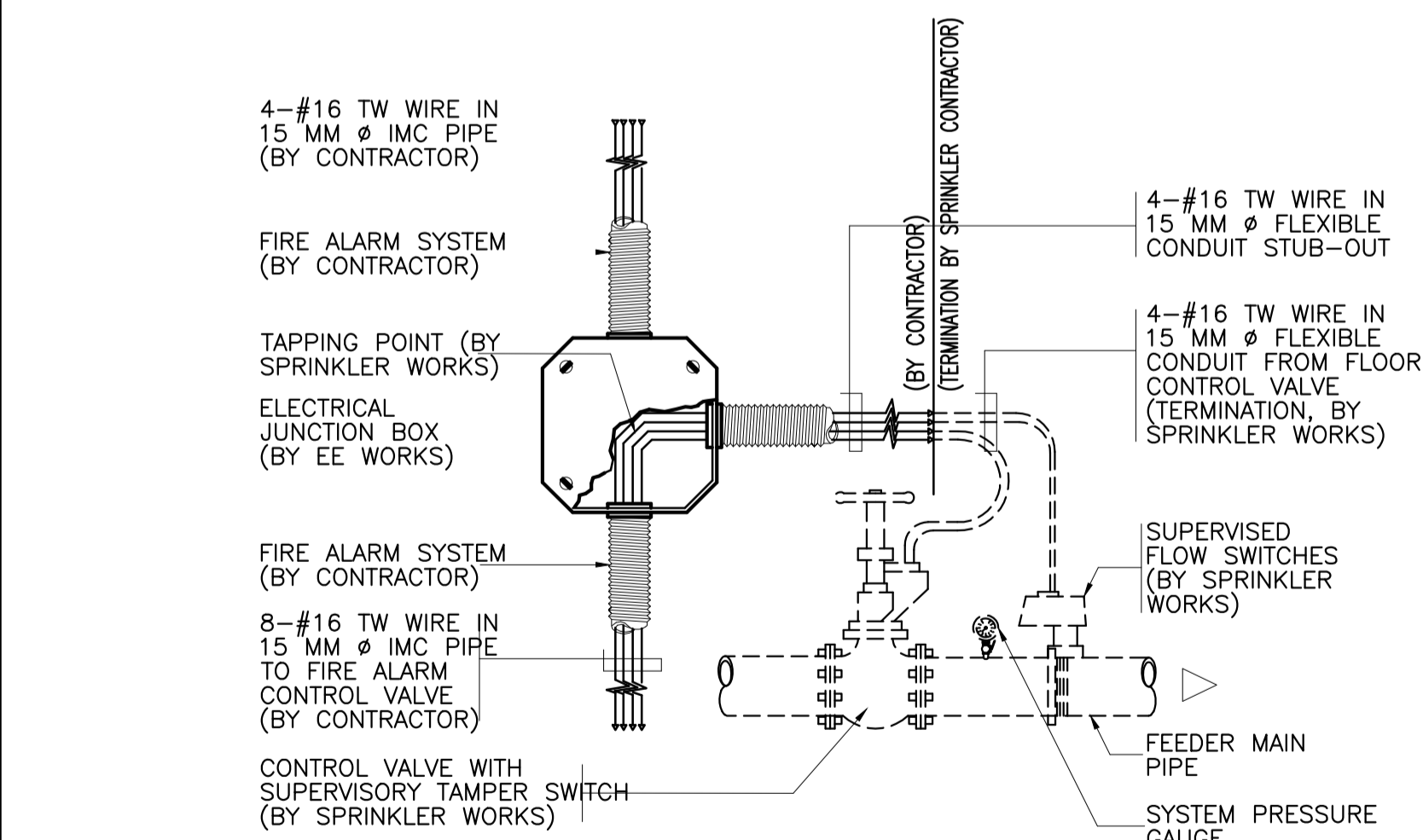


**BRACKET FOR VERTICAL PIPE**

**BRACKET FOR VERTICAL PIPE**

**5** DETAIL OF PIPE HANGERS, CLAMPS & BRACKETS

FP-06 SCALE 1:10 MTS.



**2** SPOT DETAIL

FP-06 NOT TO SCALE

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

DESIGNER:  
**MELITON A. NAGUE**  
PROFESSIONAL MECHANICAL ENGINEER  
PRC No. 4908 Validity: 06/05/2024  
PTR No. 8535022 Date: 01/05/2021  
Place: MAKATI CITY TIN: 912-907-486

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM**  
LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
**REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS**

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

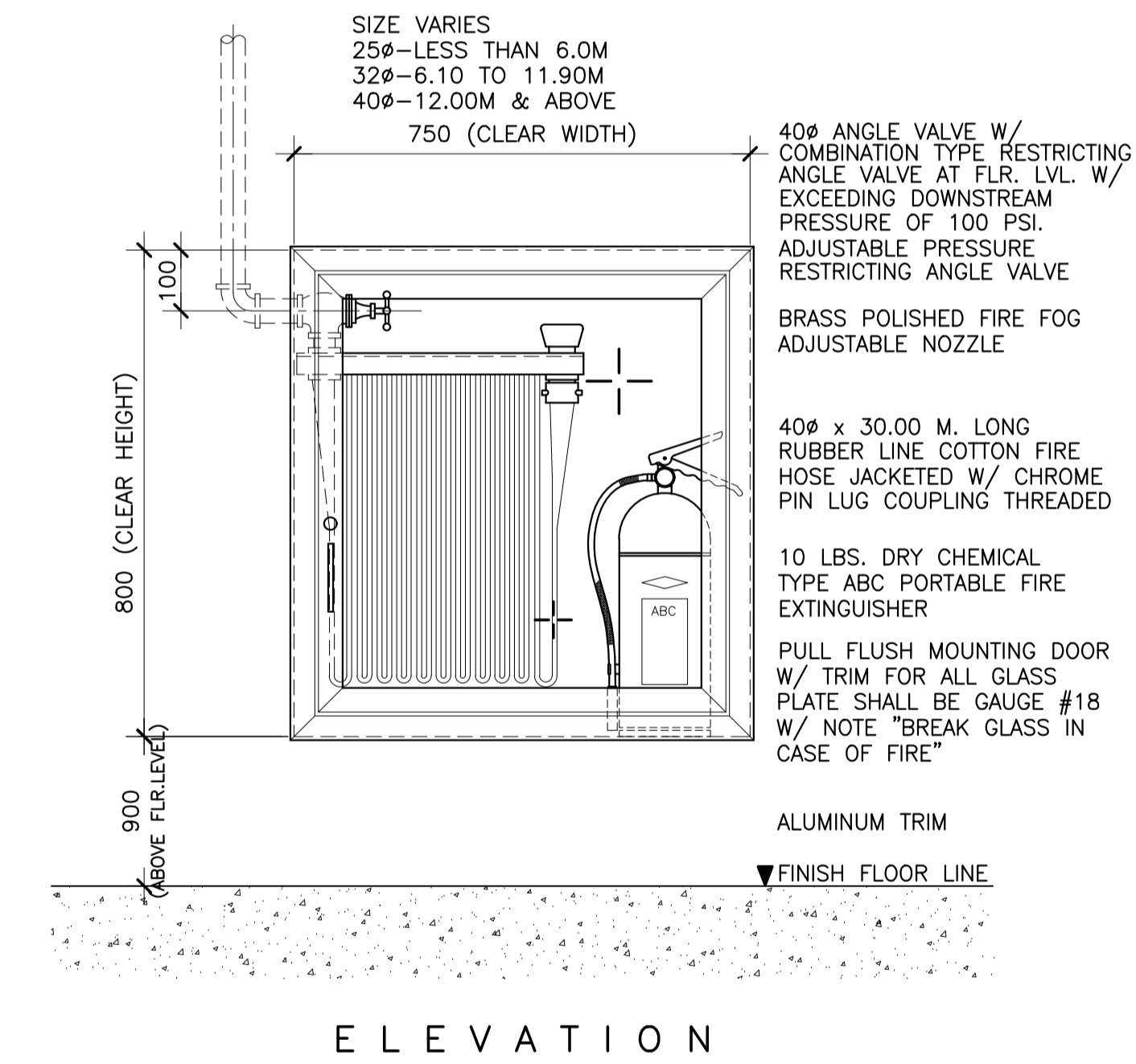
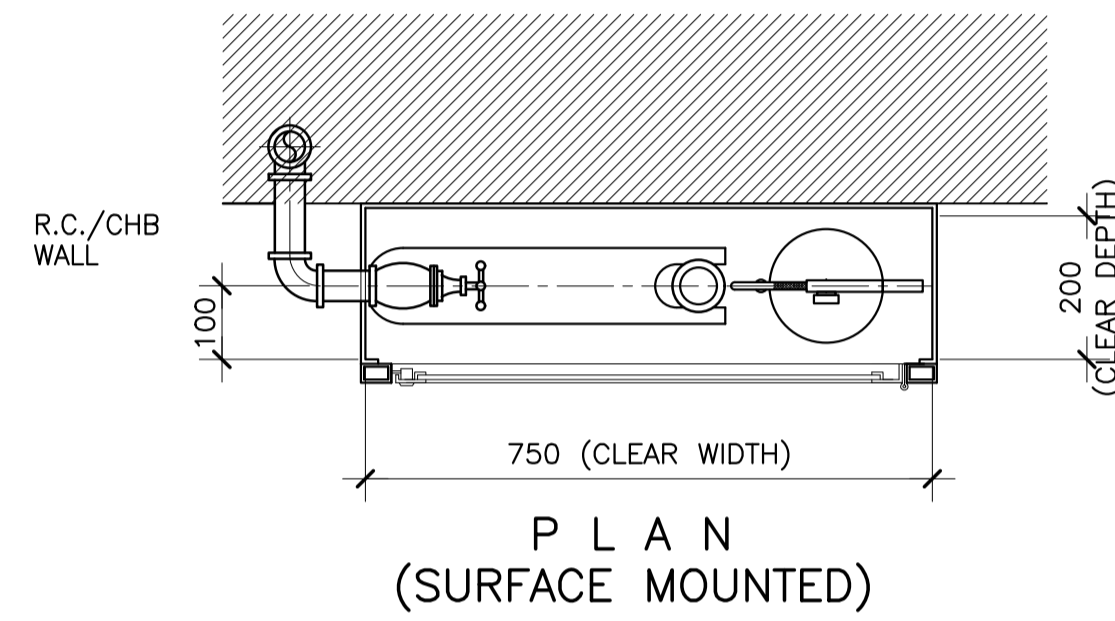
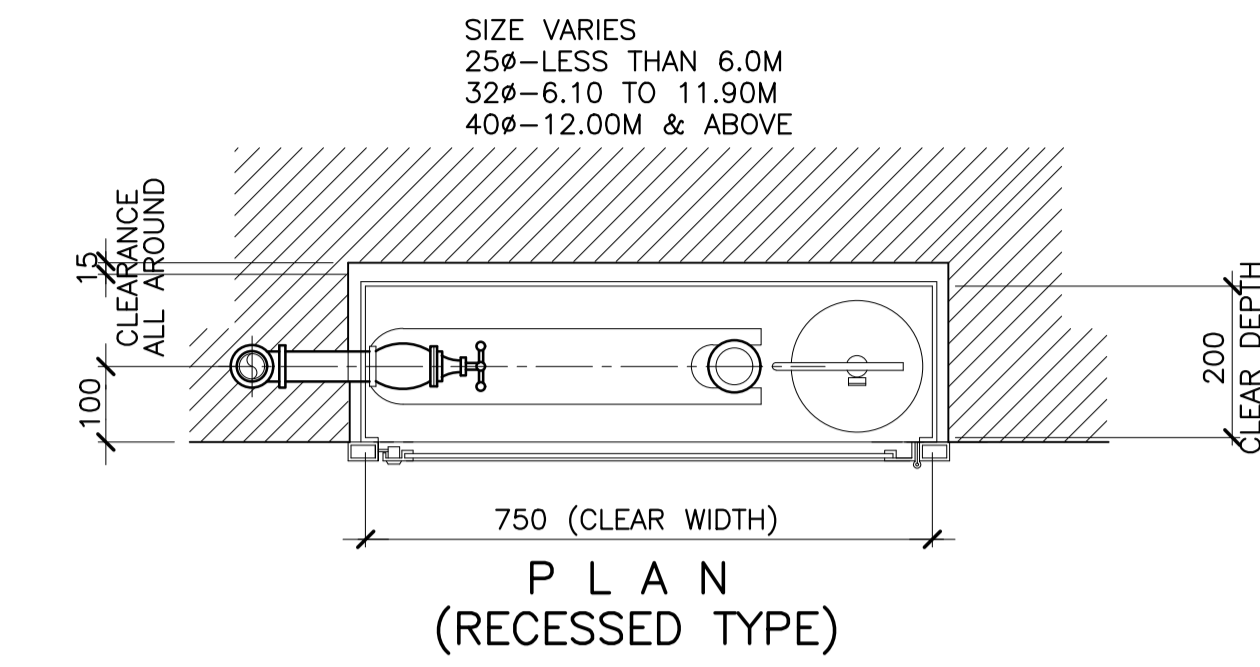
APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
MISCELLANEOUS DETAILS SHEET 2 OF 4

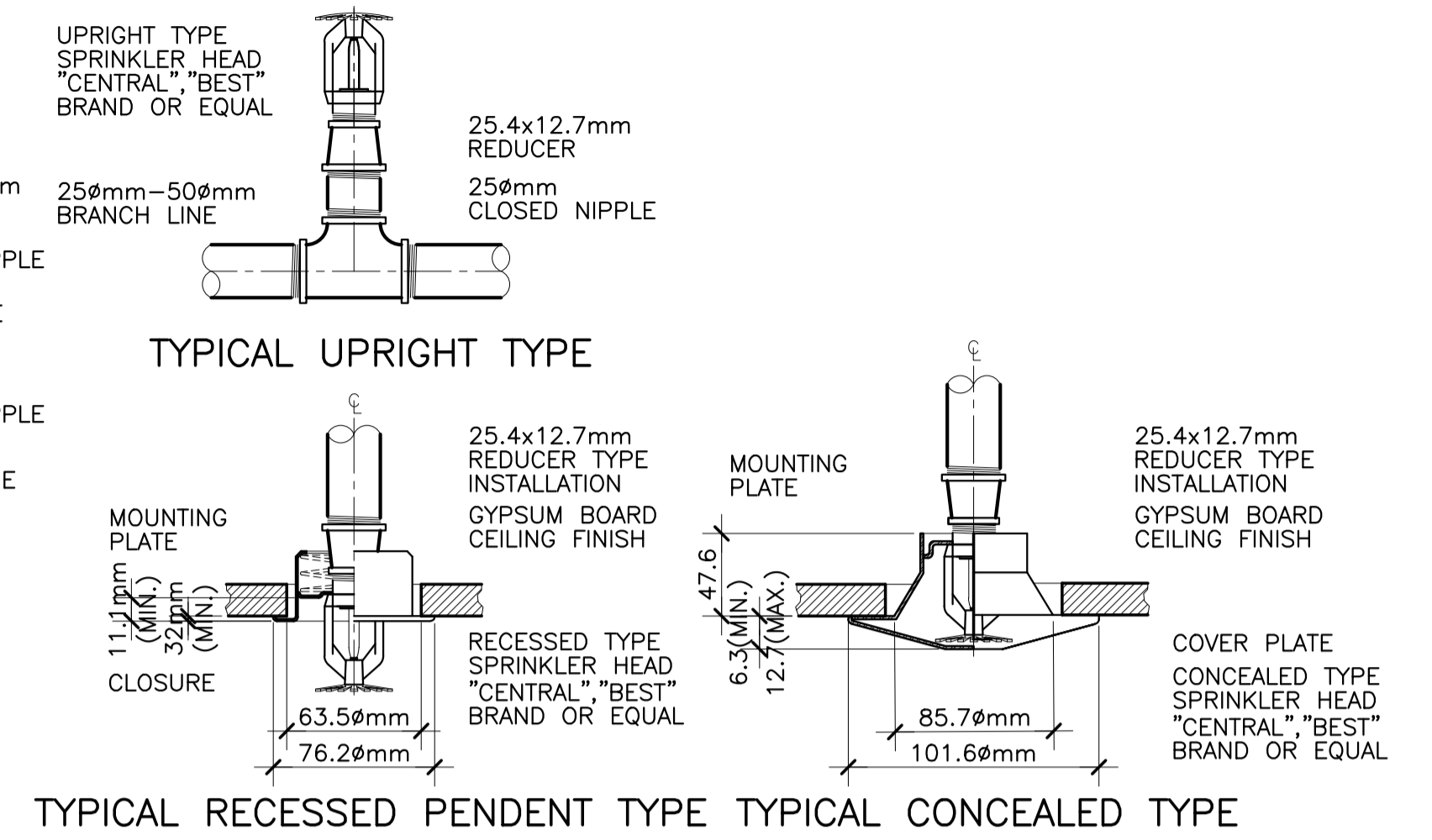
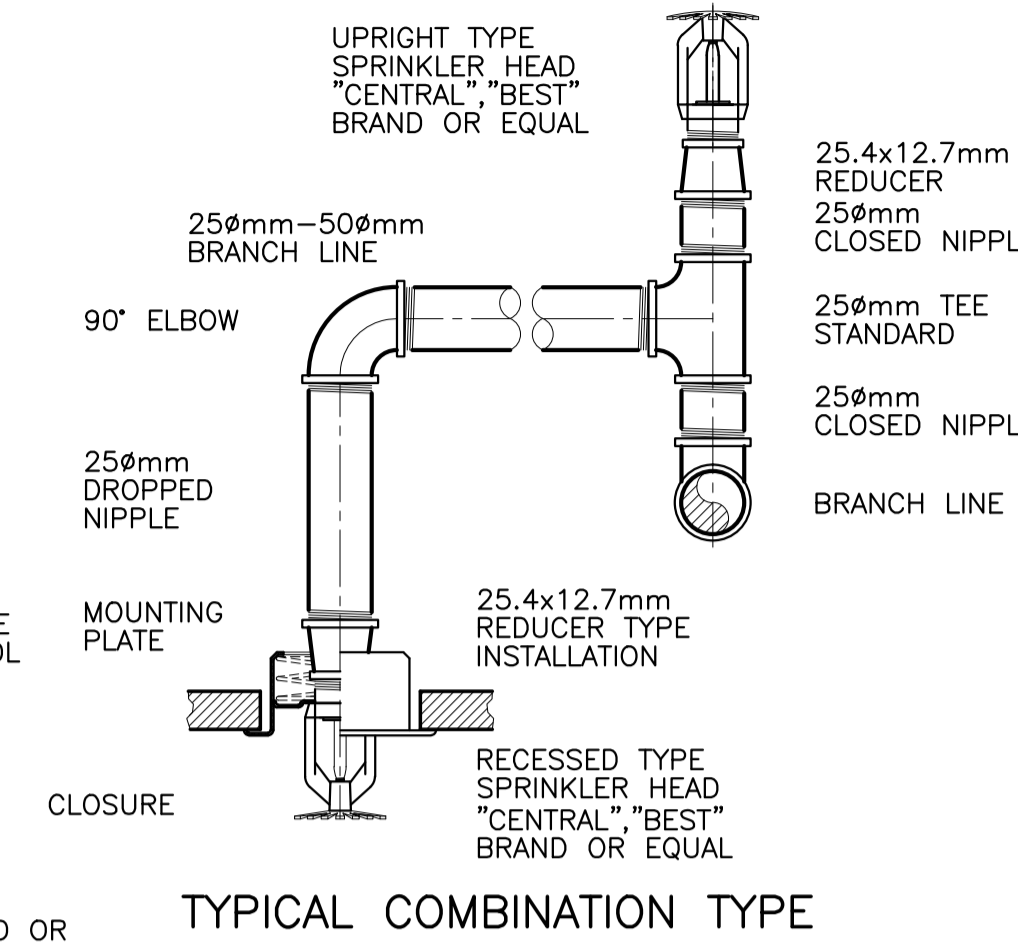
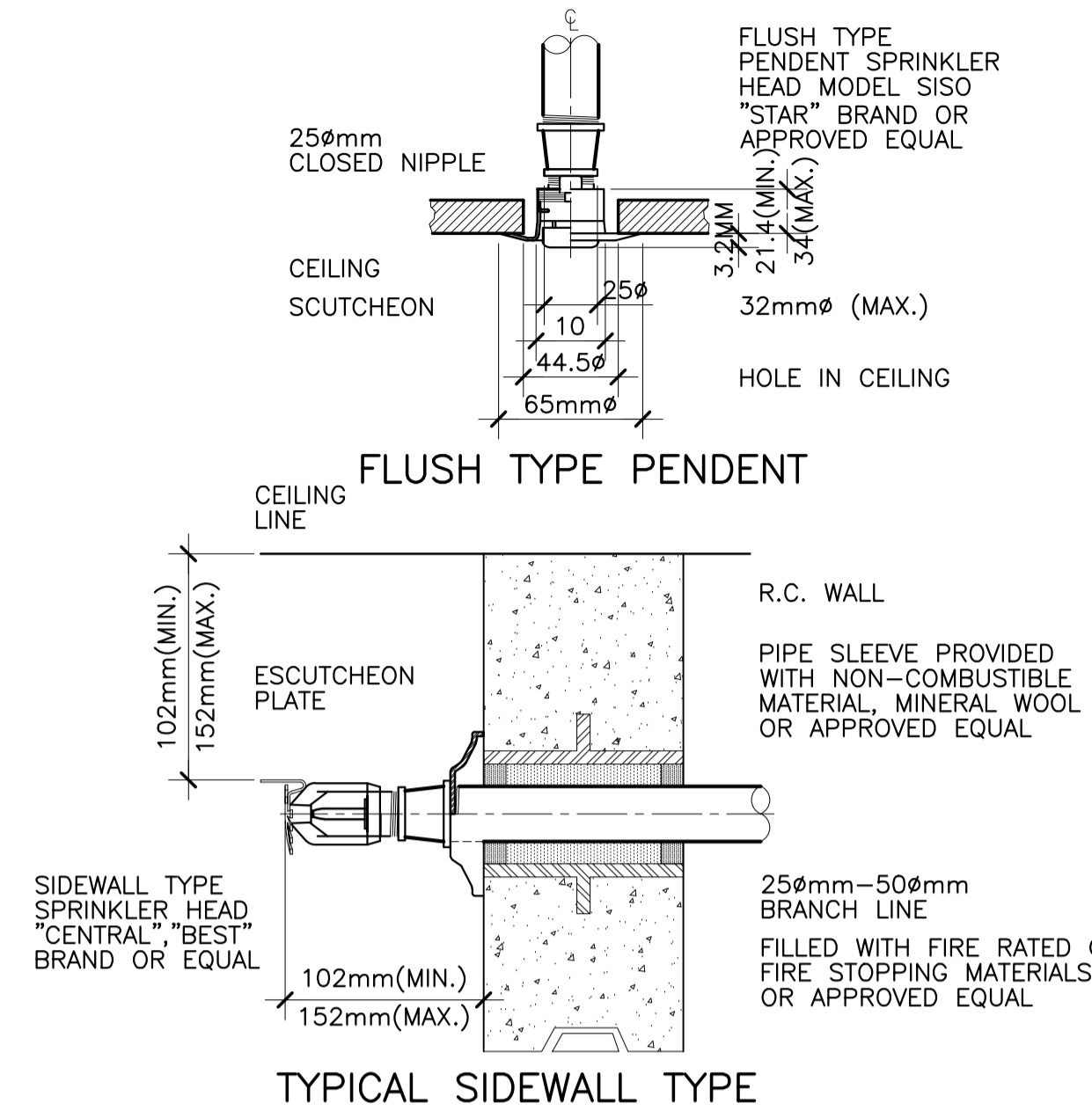
SHEET NO:  
**FP 06 08**



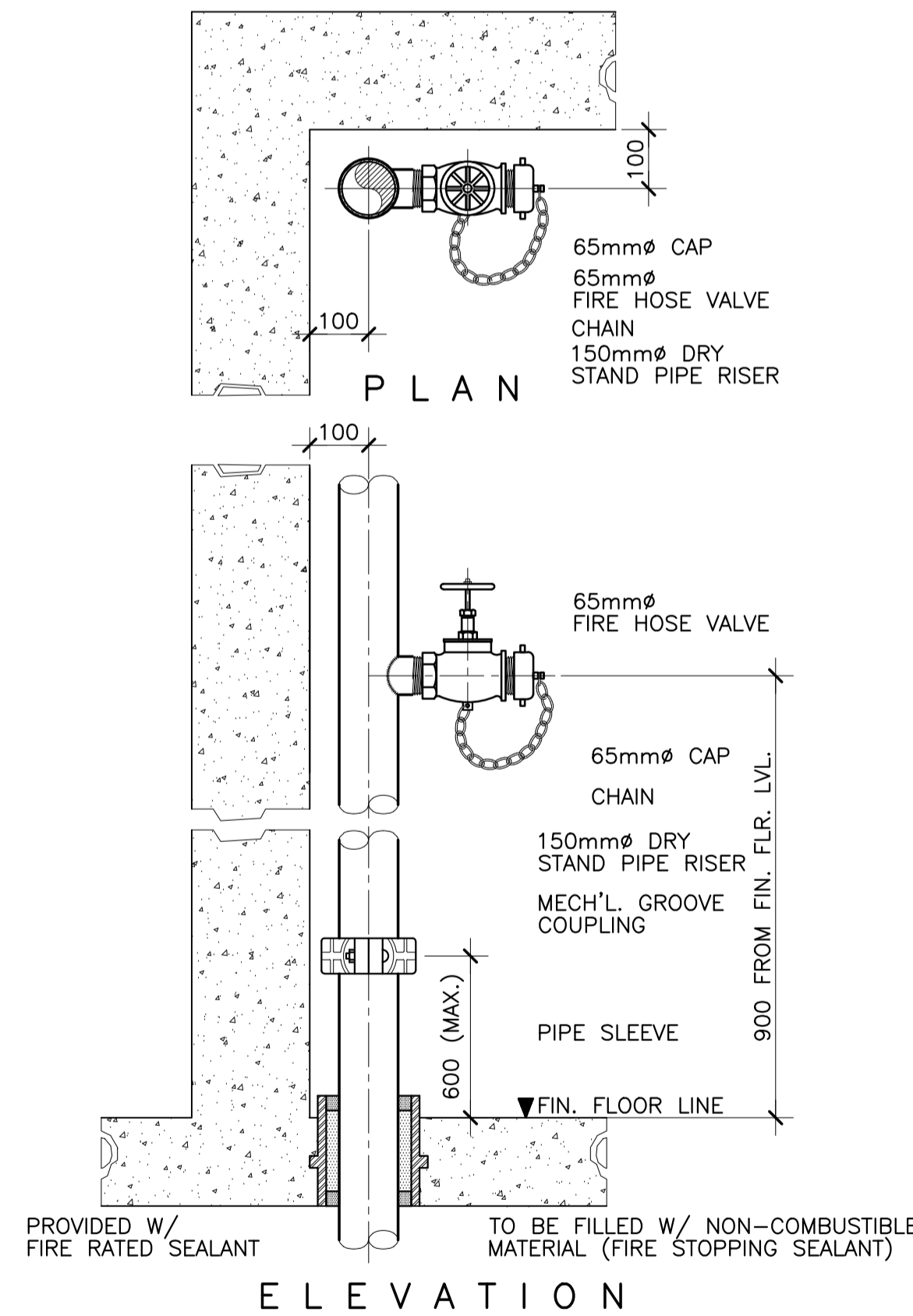
**GENERAL NOTES: FOR REFERENCE ONLY, ALL FIRE-PROTECTION WORKS ARE EXCLUDED IN PHASE 2**



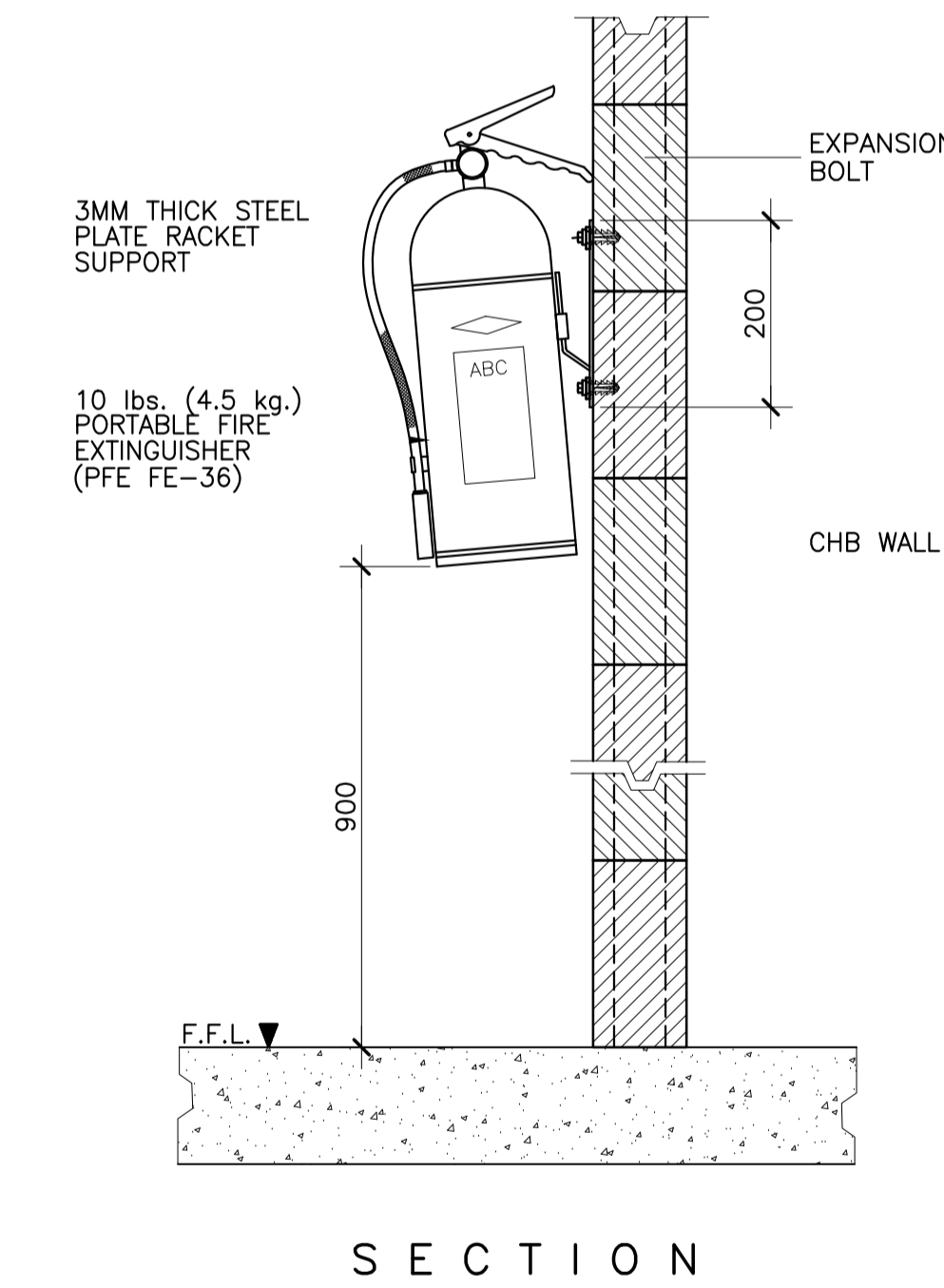
**1** **DETAIL OF FIRE HOSE CABINET**  
FP-07 SCALE 1:10 MTS.



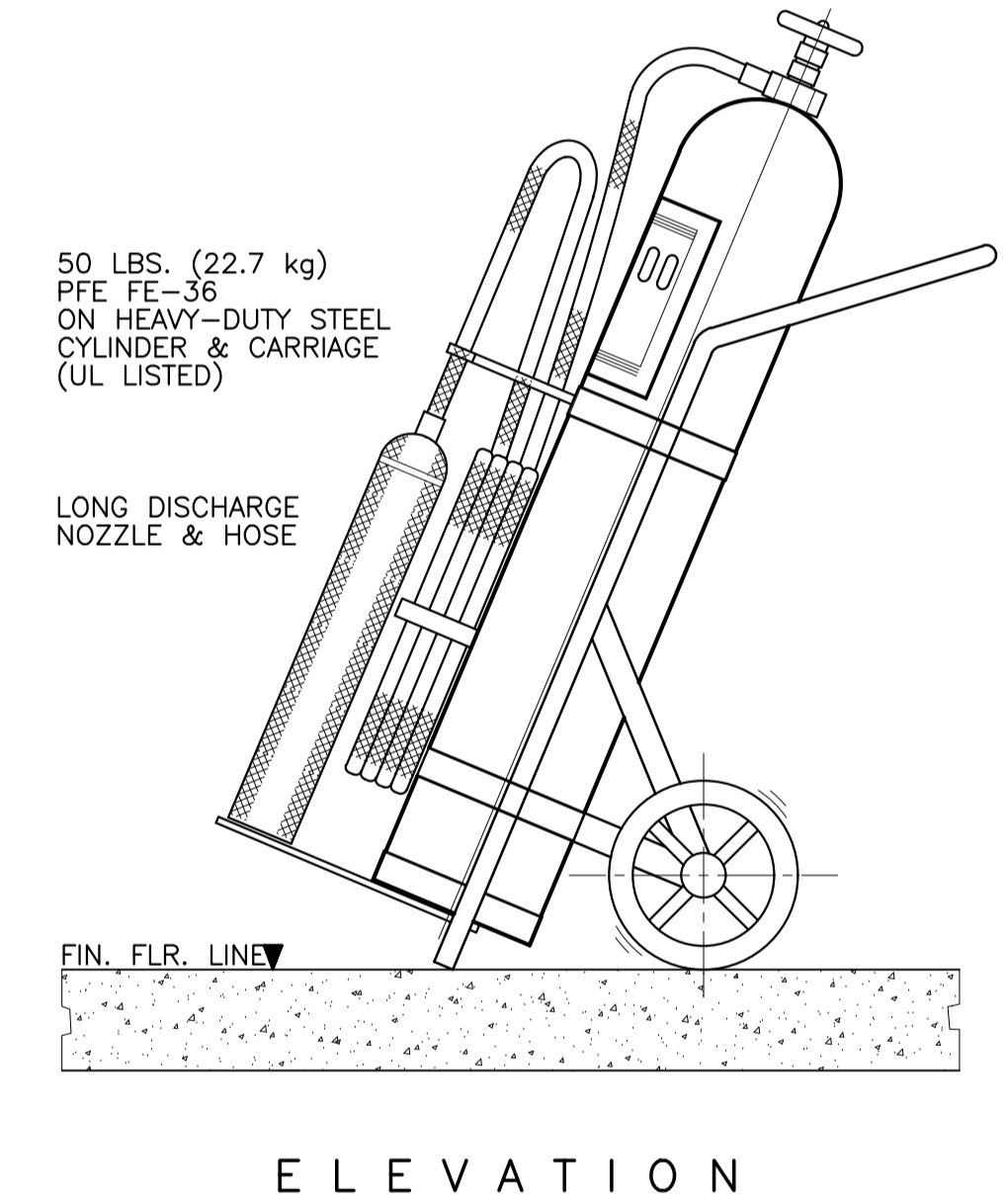
**FP-07** **DETAIL OF SPRINKLER HEADS**  
FP-13 SCALE 1:3 MTS.



**3** **DETAIL OF FIRE HOSE VALVE**  
FP-07 SCALE 1:10 MTS.



**4** **DETAIL OF 10 LBS. (4.5 KG) PORTABLE FIRE EXTINGUISHER**  
FP-07 NOT TO SCALE

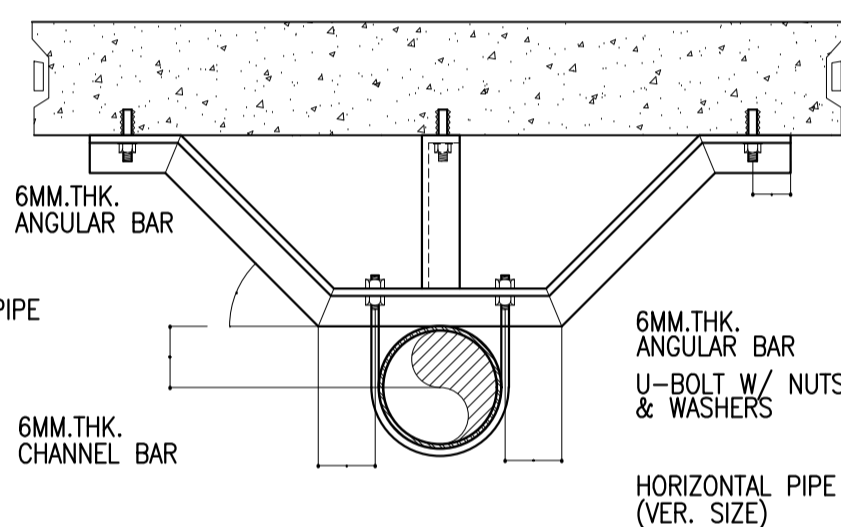
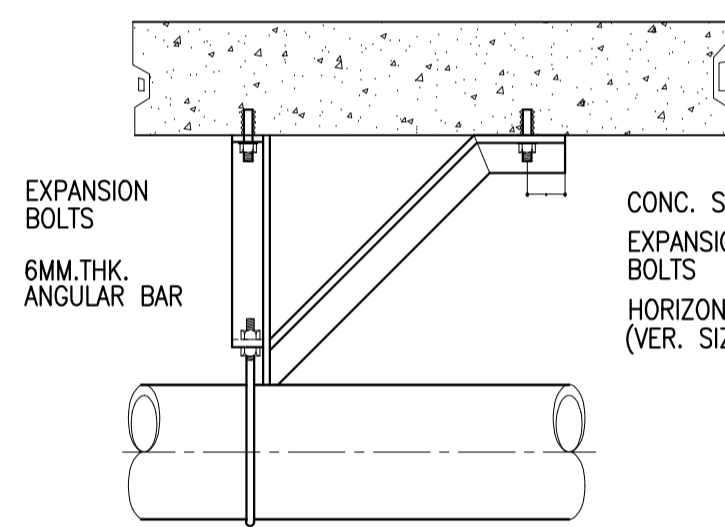
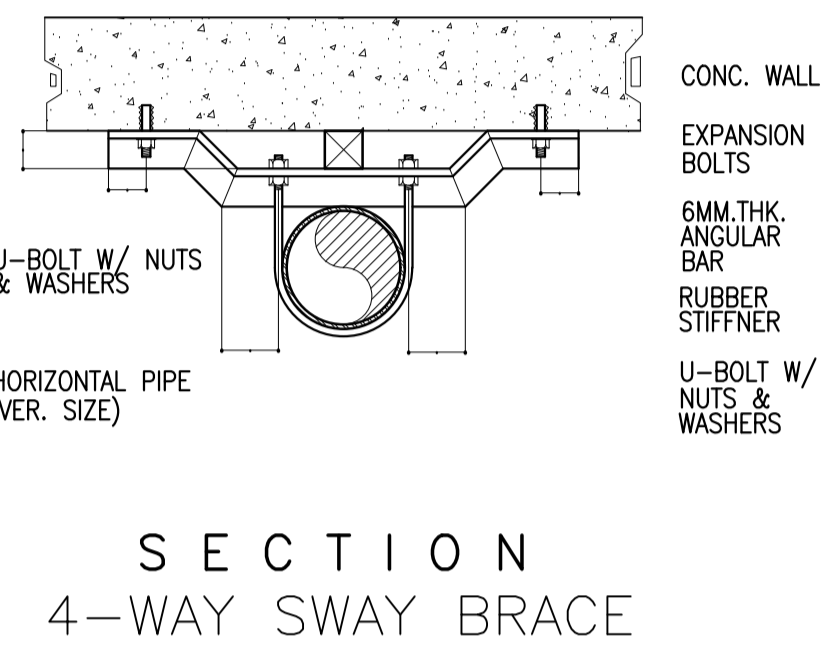
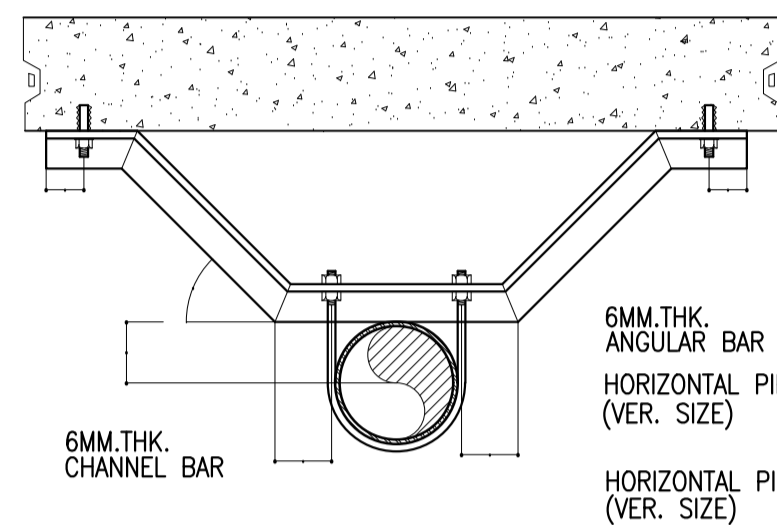
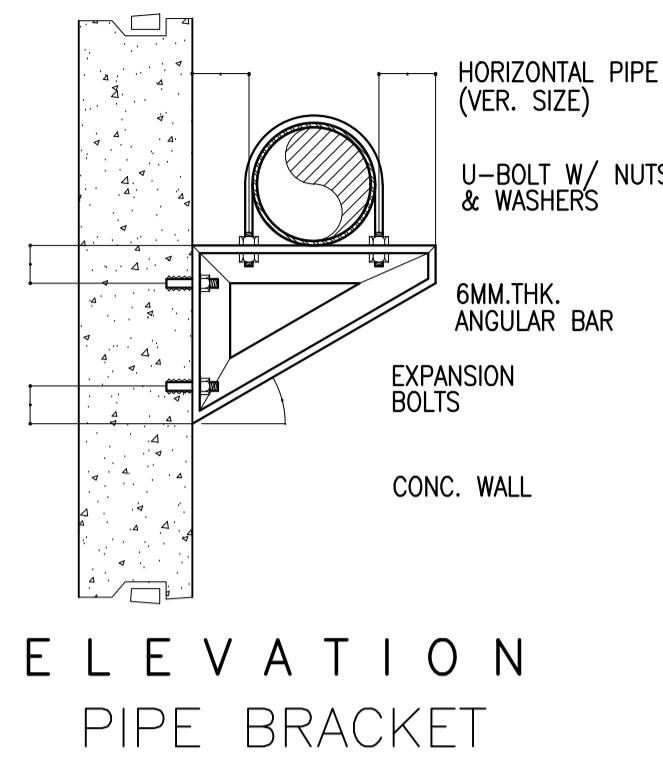


**5** **DETAIL OF 50 lbs. FE-36 WHEELED TYPE PORTABLE FIRE EXTINGUISHER**  
FP-07 NOT TO SCALE



**GENERAL NOTES: FOR REFERENCE ONLY, ALL FIRE-PROTECTION WORKS ARE EXCLUDED IN PHASE 2**

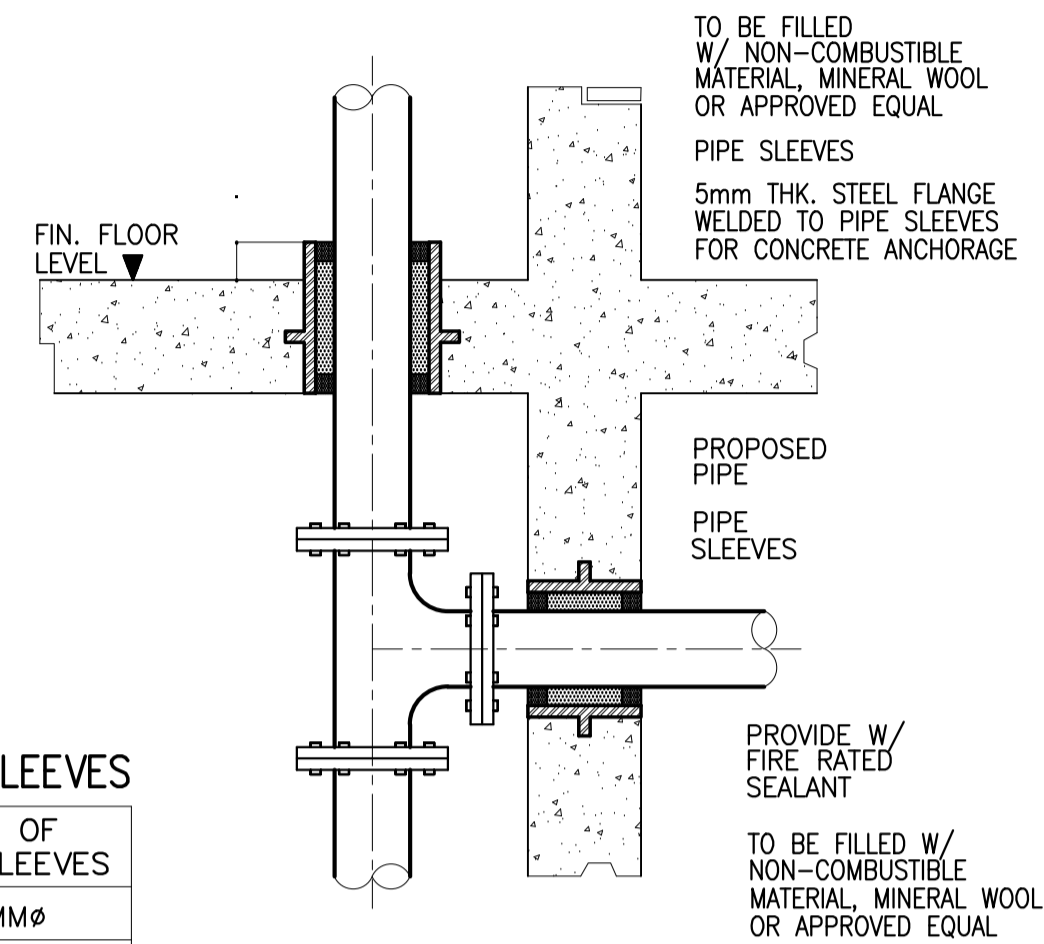
PIPE SIZE	U-BOLT DIA.	ANGLE BAR	EXPANSION BOLT
50	10	50 X 50	10
65	10	50 X 50	10
75	10	50 X 50	10
100	12	65 X 65	12



**1** **DETAIL OF SWAY BRACINGS**  
FP-08 NOT TO SCALE

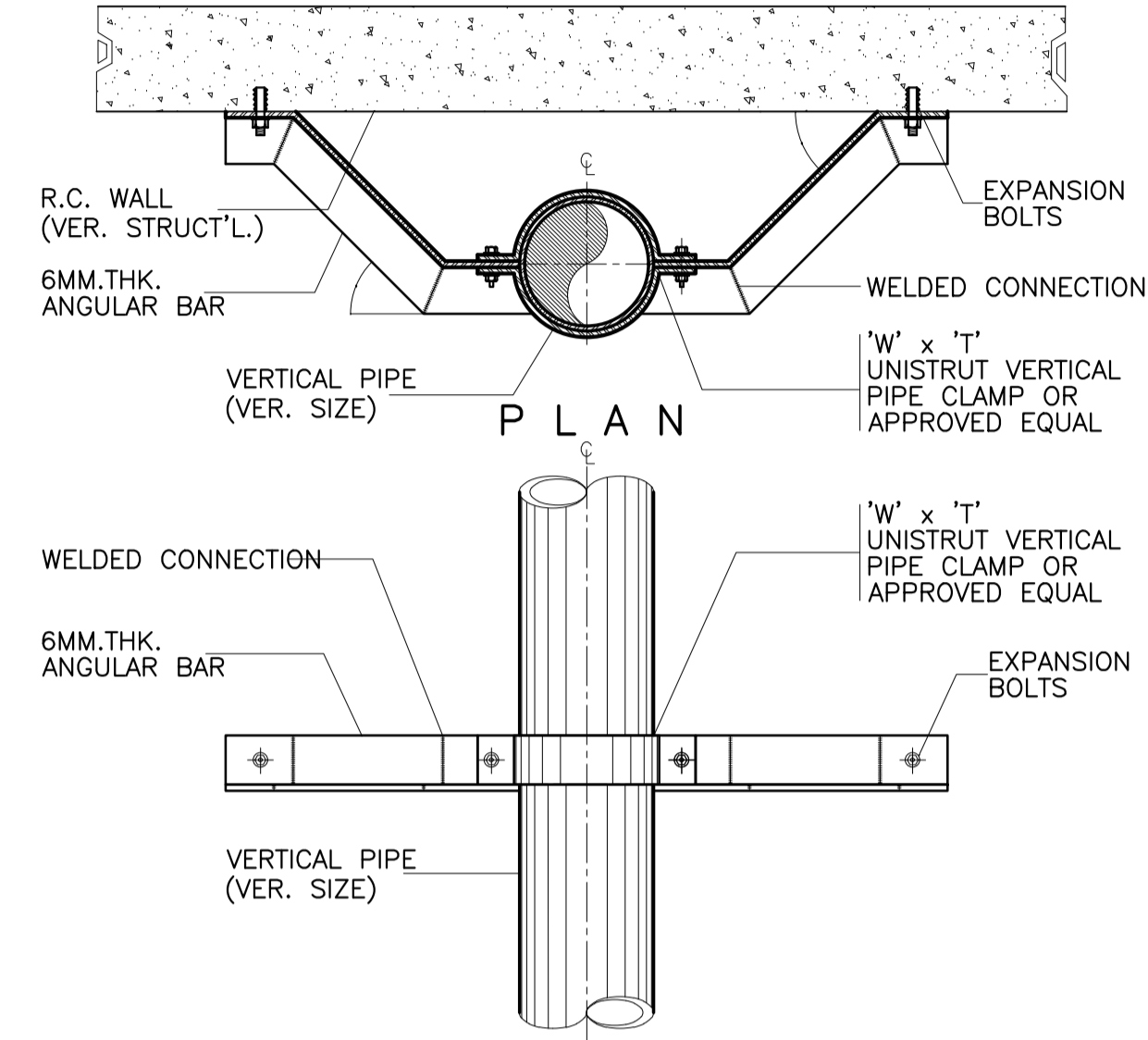
SIZE OF BRANCHLINES	SIZE OF PIPE SLEEVES
25MMØ	50MMØ
32MMØ	50MMØ
40MMØ	65MMØ
50MMØ	75MMØ
65MMØ	100MMØ
75MMØ	100MMØ
100MMØ	150MMØ
150MMØ	225MMØ
200MMØ	300MMØ

AS APPROVED, 380 VOLTS, 3 PHASE 60 HERTZ



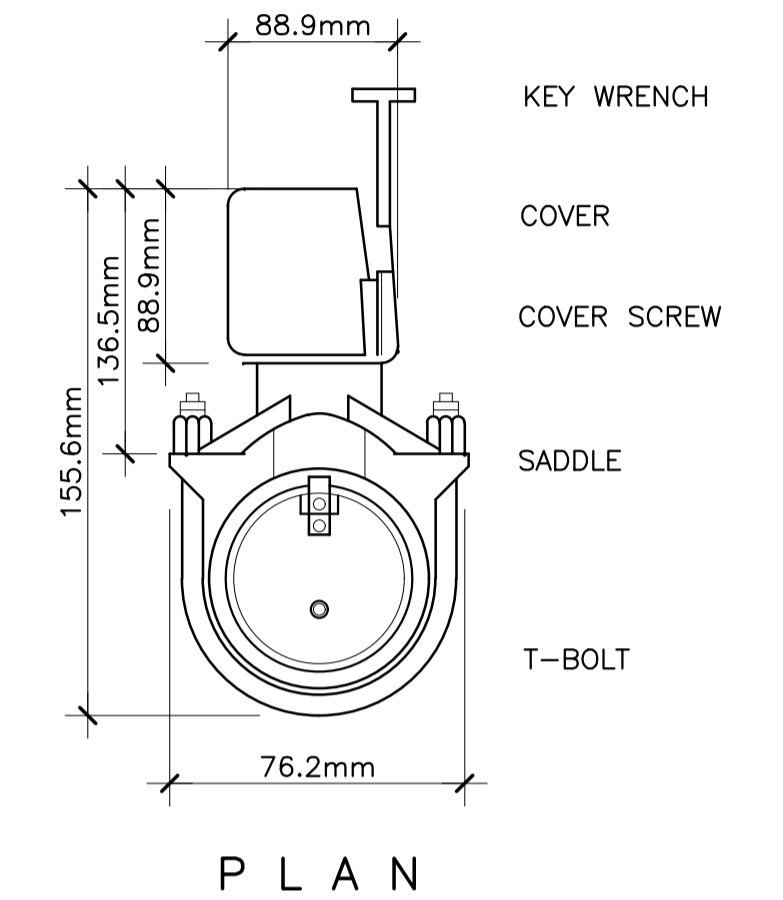
**NOTES :**  
SLEEVES SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THROUGH WALLS, FLOORS, PLATFORMS AND FOUNDATIONS.  
1. THE CLEARANCE BETWEEN THE PIPE SLEEVES SHALL BE FILLED W/NON-COMBUSTIBLE FLEXIBLE MATERIAL SUCH AS MINERAL WOOL, FIBERGLASS OR EQUIVALENT.  
2. MINIMUM CLEARANCE BETWEEN PIPE AND SLEEVES SHALL NOT BE LESS THAN 25MM FOR PIPE 25MM THROUGH 75MM & 40MM FOR PIPE SIZE 100MM AND LARGER FLOOR SLEEVES SHALL BE EXTENDED AT LEAST 75MM ABOVE THE TOP OF THE WEARING SURFACE.

**3** **DETAIL OF PIPE SLEEVE**  
FP-09 NOT TO SCALE

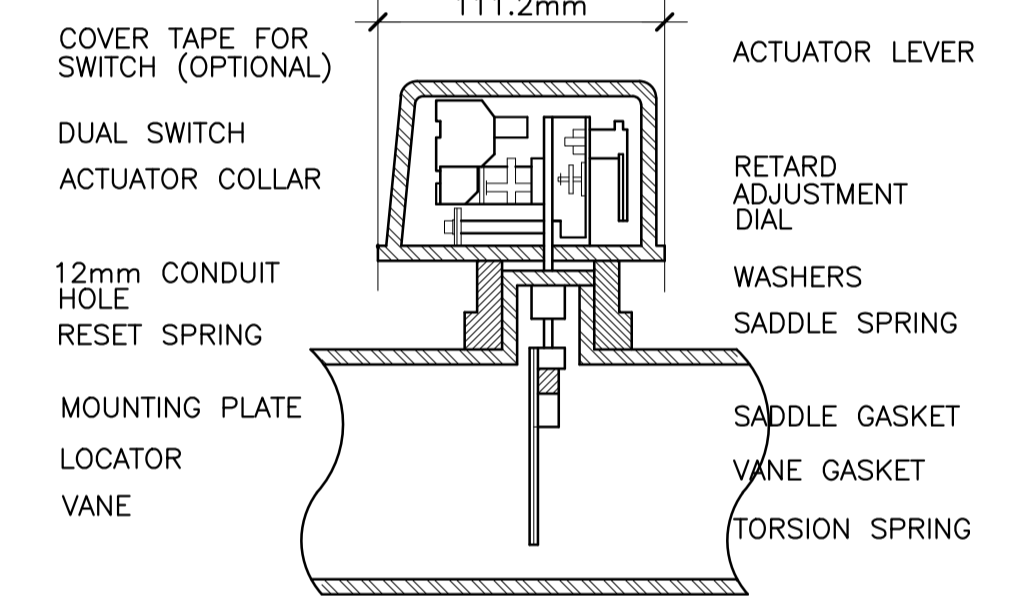


**ELEVATION**

**4** **DETAIL OF RISER SWAY BRACE**  
FP-08 NOT TO SCALE

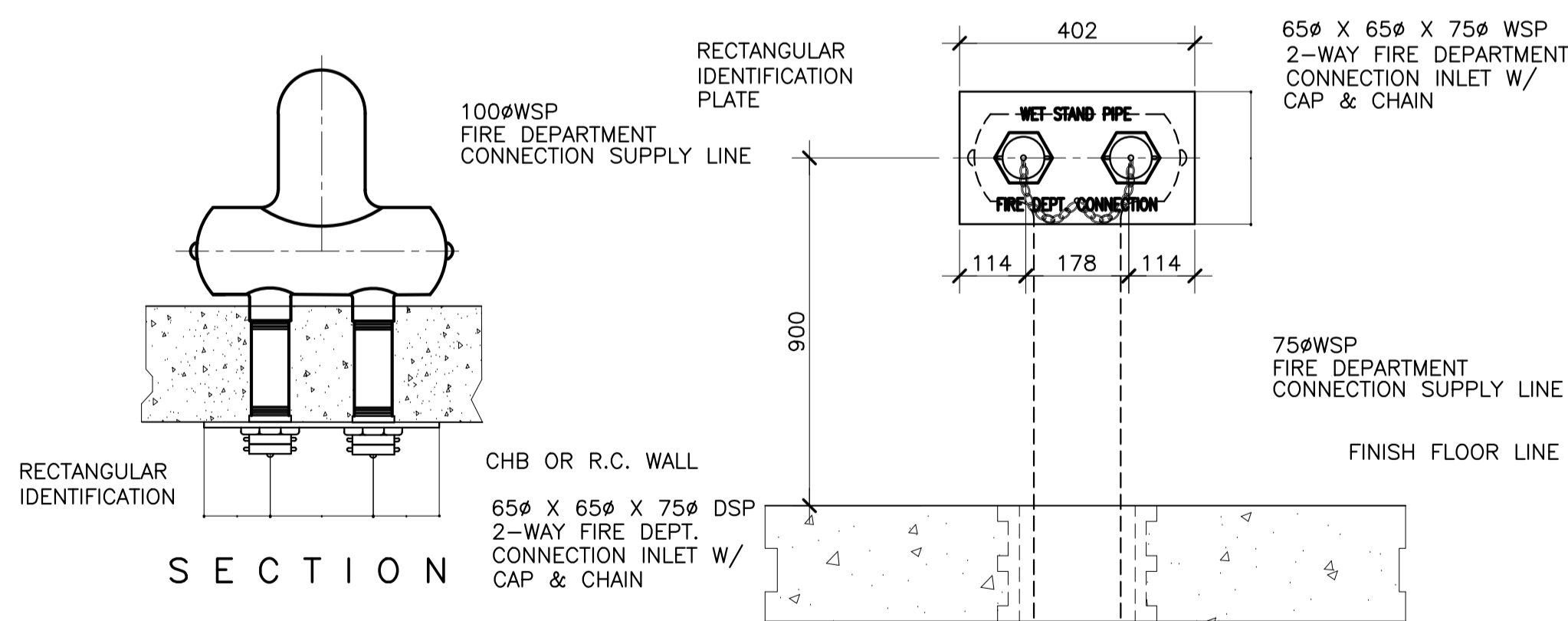


**PLAN**

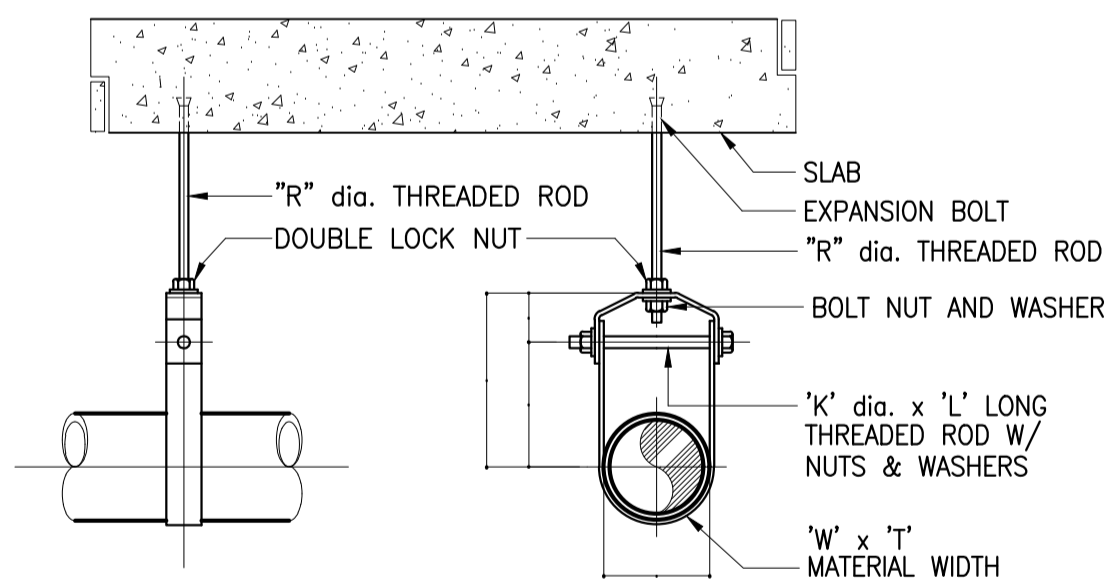


**SECTION**

**6** **DETAIL OF WATER FLOW SWITCH**  
FP-08 NOT TO SCALE



**2** **DETAIL OF 2-WAY FIRE DEP'T. INLET**  
FP-08 NOT TO SCALE



**ELEVATION SECTION  
CLEVIS HANGERS**

**TABLE OF DIMENSIONS IN MM**

PIPE SIZE "D" (MM)	ROD DIA. "R" (MM)	B	C	A MAX.	W x T	K x L
50	9.65	111.12	143	69.30	25 x 3	M10 x 85
75	12.7	105.0	165.1	30.23	40 x 6	M12 x 115
100	15.9	133.35	40	33.27	40 x 6	M12 x 130
150	19.1	176.12	267	50.00	40 x 6	M16 x 190

**5** **DETAIL OF PIPE HANGER**  
FP-08 NOT TO SCALE



**GENERAL NOTES: REFERENCE FOR ROUGHING-INS**

**GENERAL NOTES**

- ALL WORKS PERTAINING TO ELECTRONICS SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY REGISTERED PROFESSIONAL ELECTRONICS ENGINEERS AS REQUIRED BY R.A. 9292 THE IRR OF REVISED NATIONAL BUILDING CODE.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF PHILIPPINE ELECTRICAL/ELECTRONICS, EIA AND BICSI CODE.
- REFER TO SPECIFICATION FOR FULL DETAILS OF EQUIPMENT AND SPECIFICATIONS.
- WIRING SHALL BE IN CONCEALED CONDUIT/TRUNKING UNLESS OTHERWISE SPECIFIED.
- THE POSITION OF ALL TELCO OUTLET AS SHOWN IN THE DRAWINGS ARE APPROXIMATE ONLY. THE EXACT POSITIONS SHALL BE DETERMINED ON SITE.
- THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR LABELING OF ALL EQUIPMENT THROUGHOUT THE INSTALLATION.
- THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE TO LIAISE WITH THE LOCAL GOVERNMENT FOR ALL CLEARANCES, CABLE JOINTING, AND TESTING FOR THE INSTALLATION.
- THE OVERALL RESISTANCE FOR THE EARTHING SYSTEM (ELECTRICAL) SHALL COMPLY WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL AND ELECTRONICS CODE.
- THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING OF ALL CABLE/CONDUIT PENETRATION OPENINGS BETWEEN FLOOR SLAB AND WALL ETC. WITH APPROVED FIRE RATING MATERIAL/SEALANT.
- ALL CABLES TO BE LAID IN HD uPVC PIPES SHALL BE ENCASED IN CONCRETE WHEN LAID ACROSS THE DRIVEWAY.
- THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPOTENTIAL GROUNDING. ALL METAL PARTS COMPLETED BY THE OTHER SUB-CONTRACTORS TO THE NEAREST BONDING TO ELECTRICAL PANEL.
- THE SPECIALTY CONTRACTOR SHALL FURNISH ALL NECESSARY LABOR, MATERIALS AND EQUIPMENT FOR SATISFACTORY COMPLETION OF THE ENTIRE TELECOMMUNICATION INSTALLATION AS GENERALLY DESCRIBED IN THE SPECIFICATION AND / OR SHOWN ON DRAWINGS.
- ALL LOCATION OF EQUIPMENT AND CABLE ROUTES SHOWN ON THE DRAWING ARE INDICATIVE ONLY. THE EXACT LOCATIONS MUST BE COORDINATED ON SITE BEFORE INSTALLATION. FULLY COORDINATED SHOP DRAWINGS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE COMMENCEMENT OF WORK.
- THEY SHALL BE PAINTED WITH A COAT OF ANTI-RUST PAINT AND TWO COATS OF SEMI-GLOSS TEAK PAINT OF BEST QUALITY TO THE APPROVAL OF THE CONSULTANT.
- ALL DISTRIBUTION FRAME CONDUITS WHICH ARE EXPOSED SHALL BE PAINTED WITH A COAT OF RUST-RESISTING PRIMER AND TWO COATS OF ELECTRIC ORANGE OR AS SPECIFIED BY THE ARCHITECT.
- EACH CIRCUIT SHALL BE TESTED FOR GROUNDS AND SHORTS BY MEANS OF INSULATION RESISTANCE TESTING INSTRUMENT APPLYING A VOLTAGE OF NOT LESS THAN 500 D.C. ON CIRCUIT UNDER TEST.
- CABLES FOR ESSENTIAL CIRCUITS SUCH AS EMERGENCY LIGHTING CIRCUITS & FIRE FIGHTING EQUIPMENT CIRCUITS ETC. SHALL BE NOT BE DRAWN INTO THE SAME CONDUIT INTENDED FOR NORMAL CIRCUITS AS PER PHILIPPINE ELECTRICAL CODE (PEC).
- ALL ELECTRONICS OUTLETS, AND/OR EQUIPMENT LOCATIONS SHOWN ARE INDICATIVE AND APPROXIMATE ONLY. THE SPECIALTY CONTRACTOR MUST COORDINATE WITH THE ARCHITECT AND OR THE INTERIOR DESIGNER, AS WELL AS EQUIPMENT SUPPLIERS.
- THE SPECIALTY CONTRACTOR SHALL OBTAIN APPROVAL FROM STRUCTURAL ENGINEERS FOR PENETRATION THROUGH RC BEAMS AND FLOOR SLABS PRIOR TO CONSTRUCTION.
- ALL CONDUITS LAYOUT AND INSTALLATION METHODS SHALL BE IDENTICAL IN ALL ROOMS AS MUCH AS POSSIBLE.
- TESTING CERTIFICATES SHALL BE PROVIDED BY THE SPECIALTY CONTRACTOR PRIOR TO FINAL TURNOVER.
- ALL MATERIALS/CABLES TO BE USED AND INSTALLATION METHOD SHALL COMPLY WITH THE TECHNICAL SPECIFICATION, STANDARDS, CODE OF PRACTICE AND AUTHORITY REQUIREMENT.
- THE SPECIALTY CONTRACTOR IS REQUIRED TO SUBMIT DETAILS OF FINAL ARRANGEMENT AND DIMENSIONAL LAYOUT OF ALL ITEMS EQUIPMENT IN RESPECTIVE ROOMS TO SUIT SITE CONDITIONS; FOR REVIEW OF THE CONSULTANT BEFORE COMMENCEMENT OF THE INSTALLATION.
- ALL ELECTRONICS SYSTEM PROVIDED IN THIS PLAN SHALL BE CAPABLE TO ACCOMMODATE FUTURE FIT-OUT EXPANSION REQUIREMENTS.
- ALL TELECOMMUNICATION OUTLETS SHALL BE CATEGORY 6 OR OTHERWISE STATED.
- ALL ELECTRICAL/ELECTRONICS EQUIPMENT & ACCESSORIES THAT ARE EXPOSED OR LESS THAN 2.0m AWAY FROM WATER SOURCES SHALL BE OF WEATHERPROOF TYPE.
- COLOR FOR ALL TELECOMMUNICATION FACE PLATES SHALL BE AS PER ARCHITECT'S/INTERIOR DESIGNER'S SELECTION.
- THE SPECIALTY CONTRACTOR SHALL NOTE THE POSITIONS OF TELECOM POINTS, AS SHOWN ON DRAWINGS. THE ACTUAL POSITIONS SHALL BE BASED ON THE ARCHITECT'S OR INTERIOR DESIGNER'S DRAWING. THE SPECIALTY CONTRACTOR IS DEEMED TO HAVE ALLOWED IN HIS TENDER PRICE FOR ALL NECESSARY SITE ADJUSTMENT TO SUIT THE FINAL POSITIONS.
- THE SPECIALTY CONTRACTOR SHALL LIAISE WITH OTHER CONTRACTOR TO ENSURE THAT POWER SUPPLIES FOR ALL EQUIPMENT ARE PROVIDED TO SUIT THE SYSTEM REQUIREMENTS.
- THE SPECIALTY CONTRACTOR SHALL LIAISE WITH INTERIOR DESIGNER/ARCHITECT ON THE EXACT LOCATION & MOUNTING HEIGHTS (IF APPLICABLE) OF OUTLETS, MAIN DISTRIBUTION FRAME (MDF), AND/OR INTERMEDIATE DISTRIBUTION FRAME (IDF) BEFORE LAYING THE CONDUITS.
- WIRELESS ACCESS POINT (WAP) OUTLET SHOULD BE INSTALLED 500mm BELOW CEILING SLAB.

**1 GENERAL NOTES**  
EC-1.0 SCALE: NTS

**LEGEND & SYMBOLS**

**TELECOMMUNICATION SYSTEM/STRUCTURAL CABLING SYSTEM**

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTIONS
	BUILDING MAIN DISTRIBUTION FRAME		PUNCH BLOCK PANEL
	TELCO MAIN DISTRIBUTION FRAME (BY TELCO)		PRIVATE AUTOMATIC BRANCH EXCHANGE
	HANDHOLE		UNINTERRUPTIBLE POWER SUPPLY
	INTERMEDIATE DISTRIBUTION FRAME CABINET		SERVICE ENTRY
	DATA OUTLET, WALL MOUNT		CABLE TRUNKING
	DATA OUTLET, FLOOR MOUNT		DUPLIX VOICE & DATA OUTLET, WALL MOUNT
	DATA OUTLET, CEILING MOUNT		DUPLIX VOICE & DATA OUTLET, FLOOR MOUNT
	VOICE/PHONE OUTLET, WALL MOUNT		TELECOM OUTLET, W-FI / WAP SINGLE CEILING MOUNTED
	VOICE/PHONE OUTLET, FLOOR MOUNT		
	RISER UP		
	RISER DOWN		

**ACCESS CONTROL SYSTEM**

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTIONS
	SECURITY MANAGEMENT TERMINAL BOX		CARD READER
	INPUT MODULE		ELECTROMAGNETIC LOCK
	DOOR CONTACT WITH SOUNDER		BREAK GLASS
	UNINTERRUPTIBLE POWER SUPPLY		CARD READER MODULE
	PULLBOX		

**CLOSED-CIRCUIT TELEVISION (CCTV) SYSTEM**

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	CCTV CAMERA, FIXED INTERIOR, WALL MOUNT		
	CCTV CAMERA, FIXED EXTERIOR, WALL MOUNT		NETWORK VIDEO RECORDER
	CCTV CAMERA, FIXED INTERIOR, CEILING MOUNT		CCTV CAMERA, PTZ INTERIOR, CEILING MOUNT
	CCTV CAMERA, FIXED EXTERIOR, CEILING MOUNT		CCTV CAMERA, PTZ EXTERIOR, CEILING MOUNT

**COMMUNITY ANTENNA TELEVISION (CATV) SYSTEM**

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	LED TV DISPLAY, 43" TO 55". CEILING HANGED		CATV CABINET
	VIDEO EXTENDER, IP-BASED, FOR CUEING NUMBER DISPLAY		NODE PULLBOX

**FIRE DETECTION AND ALARM SYSTEM (FDAS)**

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	SMOKE DETECTOR (ADDRESSABLE)		HORN SPEAKER
	HEAT DETECTOR (ADDRESSABLE)		STROBE LIGHT
	BEAM DETECTOR (ADDRESSABLE)		HORN WITH STROBE LIGHT
	CARBON MONOXIDE DETECTOR		SPEAKER STROBE (CEILING MOUNT)
	MANUAL-PULL STATION (ADDRESSABLE)		SPEAKER STROBE (WALL MOUNT)
	FIREMAN'S PHONE JACK		ADDRESSABLE MONITOR MODULE FOR CONVENTIONAL DEVICES
	ZONE ANNUNCIATOR		ADDRESSABLE MONITOR MODULE FOR INPUT DEVICES
	GRAPHICAL ANNUNCIATOR		ADDRESSABLE CONTROL MODULE
	FIRE ALARM CONTROL PANEL		FLOW SWITCH
	LCD ANNUNCIATOR		SUPERVISORY SWITCH

**3 DRAWING SYMBOLS**  
EC-1.0 SCALE: NTS

AWG	AMERICAN WIRE GAUGE	EOL	END OF LINE RESISTOR	IDF	INTERMEDIATE DISTRIBUTION FRAME	S	SUSPENDED
C	CEILING MOUNTED	EVAC	EMERGENCY VOICE ALARM COMMUNICATION	NVR	NETWORK VIDEO RECORDER	SMS	SECURITY MANAGEMENT SYSTEM
CAT	CATEGORY	FACP	FIRE ALARM CONTROL PANEL	IMC	INTERMEDIATE METALLIC CONDUIT	TF	THERMOPLASTIC COVERED FIXTURE WIRE
CATV	COMMUNITY ANTENNA TELEVISION	FA	FIRE ALARM	MDF	MAIN DISTRIBUTION FRAME	TV	TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION	FCC	FIRE COMMAND CENTER	PA	PUBLIC ADDRESS	THHN	HEAT RESISTANT THERMOPLASTIC WIRE
EE	ELECTRICAL	FR	FIRE RATED	RD	RISER DOWN	UPS	UNINTERRUPTIBLE POWER SUPPLY
ELV	EXTRA LOW VOLTAGE	HH	HAND HOLE	RJ	RISE UP	WP	WEATHER PROOF

**2 ABBREVIATIONS**  
EC-1.0 SCALE: NTS

<p><b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS</p>	DESIGNER:  <b>EFREN T. PINEDA</b> PROFESSIONAL ELECTRONICS ENGINEER PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT:  <b>PROPOSED ACADEMIC BUILDING II</b>  LOCATION: Brgy. Rizal, Odiangan, Romblon	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL:  <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY:  <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS:  EC 01 04	SHEET NO.:
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVENUE, LOROLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 3002-04 FAX NOS: 927 6608; 426 7214							





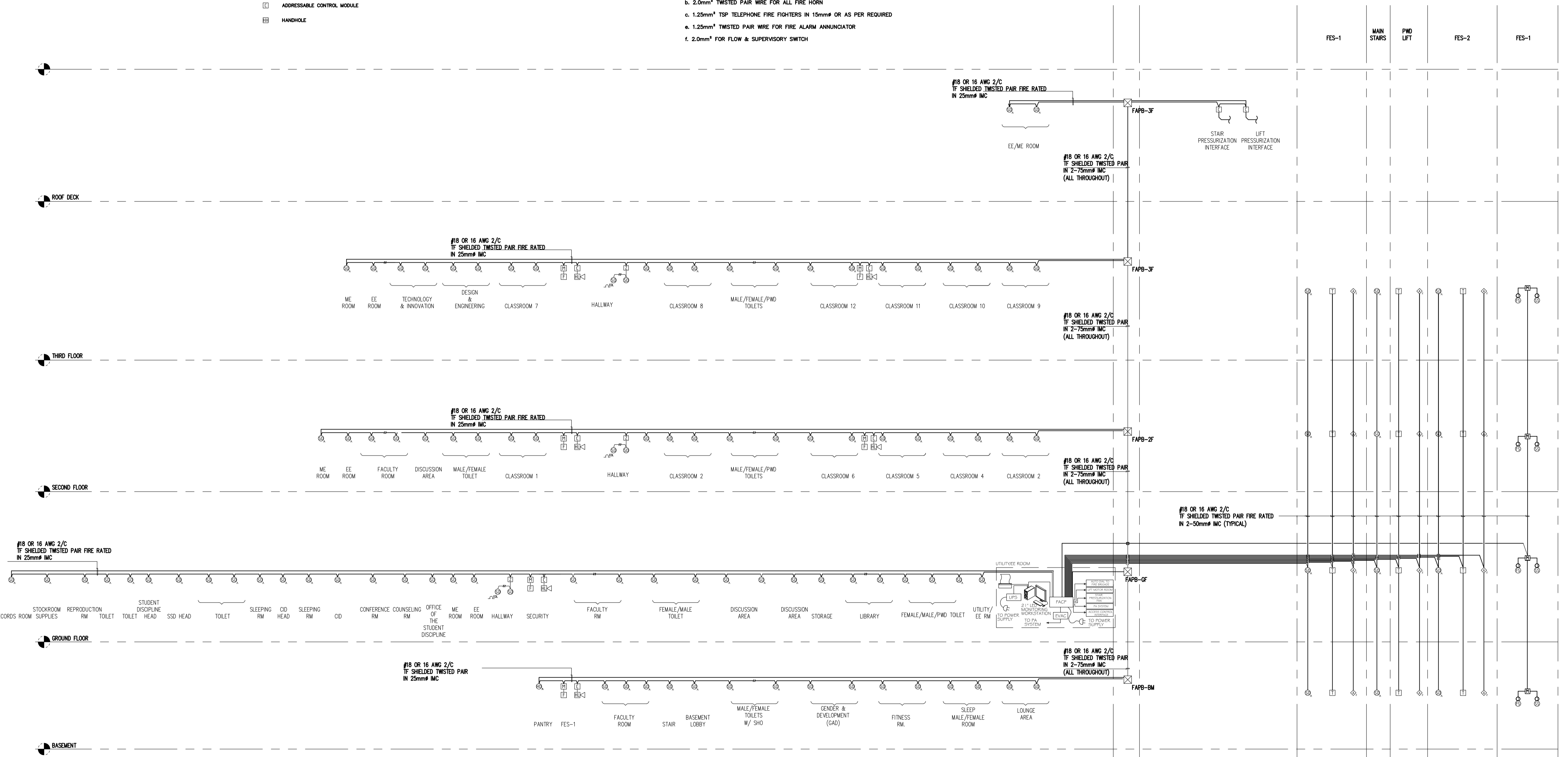


GENERAL NOTES: REFERENCE FOR ROUGHING-INS

FIRE DETECTION AND ALARM SYSTEM

SYMBOLS	DESCRIPTIONS	ABBREVIATIONS
	SMOKE DETECTOR (ADDRESSABLE)	PE PASSENGER ELEVATOR
	HEAT DETECTOR (ADDRESSABLE)	FE FIRE EXIT
	BEAM DETECTOR (ADDRESSABLE)	SE SERVICE ELEVATOR
	MANUAL-PULL STATION (ADDRESSABLE)	AWG AMERICAN WIRE GAUGE
	FIREMAN'S PHONE JACK	IMC INTERMEDIATE METALLIC CONDUIT
	ZONE ANNUNCIATOR	UPS INTERRUPTIBLE POWER SUPPLY
	HORN WITH STROBE LIGHT	TP THERMOPLASTIC COVERED FIBRE WIRE
	ADDRESSABLE MONITOR MODULE FOR INPUT DEVICES	PVC POLYVINYL-CHLORIDE CONDUIT
	FLOW SWITCH	UTP UNSHIELDED TWISTED PAIR
	SUPERVISORY SWITCH	CAT AUTOMATIC FIRE SUPPRESSION SYSTEM
	FIRE ALARM CONTROL PANEL	WP WEATHERPROOF ENCLOSURE
	LCD ANNUNCIATOR	
	FDAS PULLBOX (250x250x150)MM OR AS PER REQUIRED	
	ADDRESSABLE MONITOR MODULE FOR CONVENTIONAL DETECTORS	
	ADDRESSABLE CONTROL MODULE	
	HANDHOLE	

- NOTES:
- THE PURPOSE OF THIS SCHEMATIC IS TO PROVIDE THE GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED FIRE DETECTION AND ALARM SYSTEM.
  - EQUIPMENT AND DEVICES REFLECTED ON THE PLANS ARE INDICATIVE ONLY. CONTRACTOR TO FURNISH AND INSTALL THE COMPLETE SYSTEM TO AND SOFTWARE PROGRAMMING AS MAY BE DEEMED NECESSARY FOR THE SUCCESSFUL OPERATION OF THE SYSTEM.
  - QUANTITY OF FACP SHALL BE AS PER MANUFACTURER CAPACITY.
  - REFER TO FLOOR PLAN LAYOUT FOR THE LOCATION OF ANNUNCIATOR.
  - THE CAPACITY OF THE FACP SHALL BE AS PER MANUFACTURER AND HAVE AT LEAST 1 SPARE SIGNALING LINE CIRCUIT (SLC) LOOP.
  - ALL FLOW SWITCHES AND SUPERVISORY SHALL BE CONNECTED TO THE FIRE DETECTION AND ALARM SYSTEM.
  - PROVIDE REPEATERS IF NECESSARY.
  - WIRING SYSTEM SHALL BE AS FOLLOWS:
    - 1.25mm<sup>2</sup> TWISTED PAIR WIRE IN 15mm<sup>Ø</sup> OR AS PER REQUIRED FOR ALL DETECTORS & MANUAL STATION
    - 2.0mm<sup>2</sup> TWISTED PAIR WIRE FOR ALL FIRE HORN
    - 1.25mm<sup>2</sup> TSP TELEPHONE FIRE FIGHTERS IN 15mm<sup>Ø</sup> OR AS PER REQUIRED
    - 1.25mm<sup>2</sup> TWISTED PAIR WIRE FOR FIRE ALARM ANNUNCIATOR
    - 2.0mm<sup>2</sup> FOR FLOW & SUPERVISORY SWITCH



ACADEMIC BUILDING II  
**A** FDAS SYSTEM RISER DIAGRAM  
 EC-2.1 SCALE: N.T.S.

**ENRIQUE O. OLANAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

DESIGNER:  
**EFREN T. PINEDA**  
 PROFESSIONAL ELECTRONICS ENGINEER  
 PRC No. 0000494 Validity: 12/13/2022  
 PTR No. 0703592 Date: 01/04/2021  
 Place: QUEZON CITY TIN: 106-351-490

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

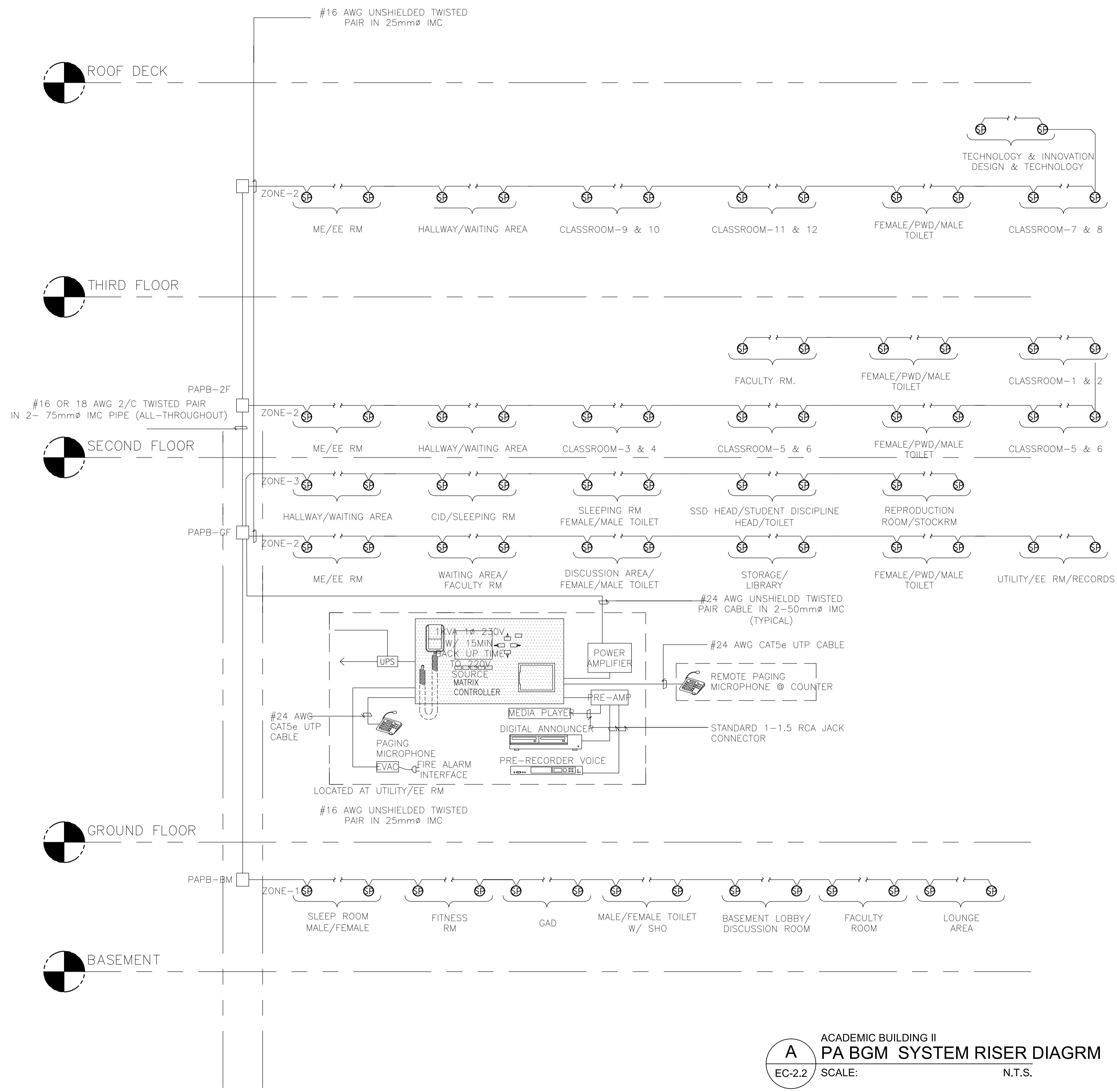
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 FIRE DETECTION AND ALARM SYSTEM RISER DIAGRAM

SHEET NO:  
**EC 2.1 04**



GENERAL NOTES: REFERENCE FOR ROUGHING-INS



NOTES

1. THE PURPOSE OF THIS SCHEMATIC IS TO PROVIDE GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED PUBLIC ADDRESS SYSTEM.
2. THE QUANTITY AND LOCATION OF DEVICES ARE INDICATIVE ONLY. REFER TO FLOOR PLAN LAYOUT FOR FINAL QUANTITY AND LOCATION.
3. OVERRIDE CIRCUITS SHALL BE COORDINATED W/ GUESTROOM AND RESIDENTIAL UNIT AUDIO-VISUAL CONTRACTOR.
4. EACH FIRE EXIT STAIRWELL HAVE INDIVIDUAL ZONE.

LEGEND

- 6W CEILING MOUNTED SPAEKER
- 10W WALL MOUNTED SPAEKER
- 250mm(W)x250mm(H)x150mm(D) PULLBOX
- UNINTERRUPTIBLE POWER SUPPLY

ABBREVIATIONS

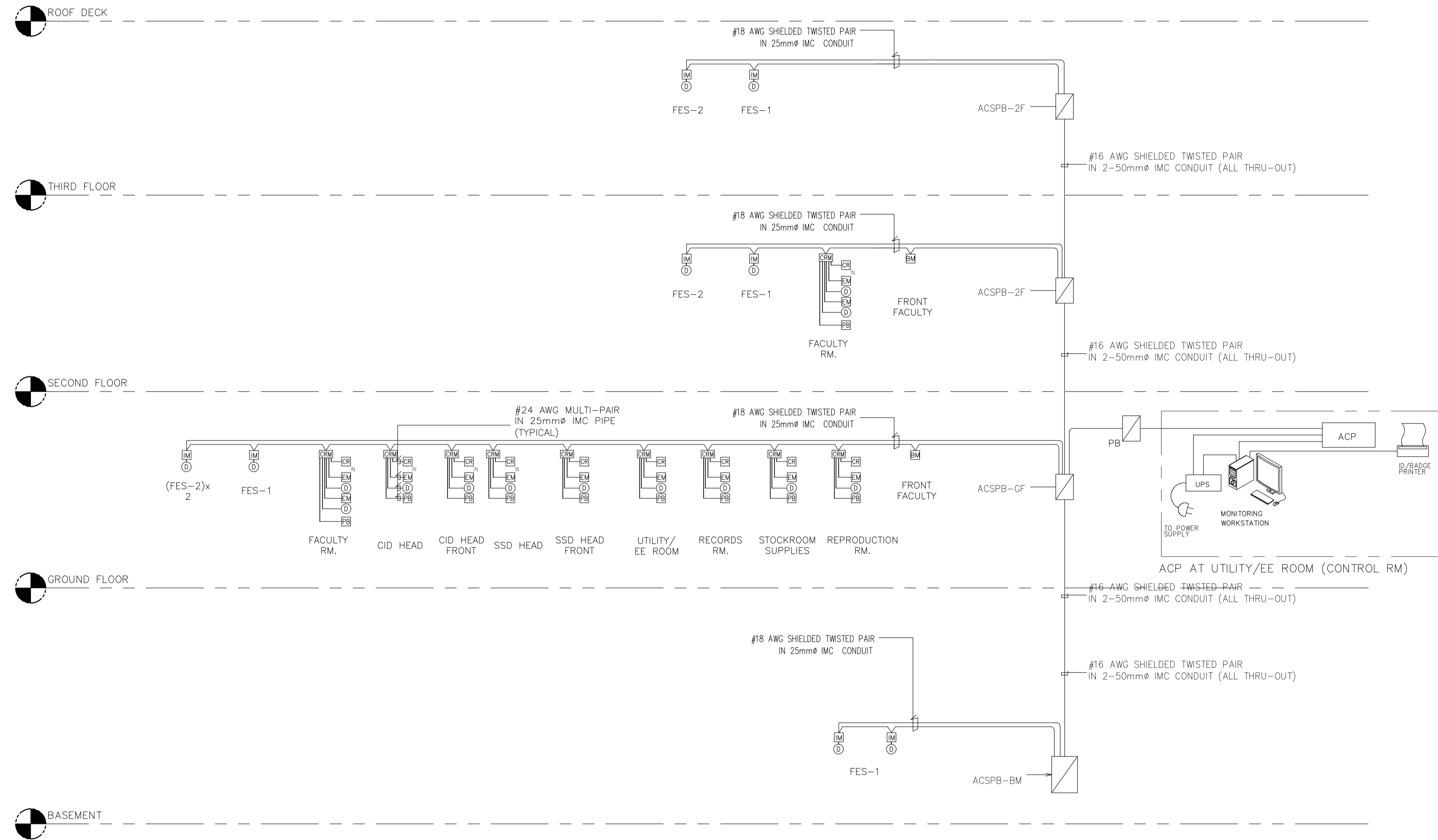
- FCC FIRE COMMAND CENTER
- AWG AMERICAN WIRE GAUGE
- TF THERMOPLASTIC COVERED FIXTURE WIRE

**A** ACADEMIC BUILDING II  
**EC-2.2** PA BGM SYSTEM RISER DIAGRM  
 SCALE: N.T.S.

<p><b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b>          ARCHITECTS ENGINEERS CONSULTANTS          IN JOINT VENTURE WITH  <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b>          ARCHITECTS ENGINEERS CONSULTANTS</p>	<p>DESIGNER:</p> <p><b>EFREN T. PINEDA</b>          PROFESSIONAL ELECTRONICS ENGINEER</p>	<p>REPUBLIC ACT 9266</p> <p><small>DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small></p>	<p>PROJECT:</p> <p><b>PROPOSED ACADEMIC BUILDING II</b></p>	<p>DESIGNED FOR:</p> <p>REPUBLIC OF THE PHILIPPINES          PHILIPPINE SCIENCE HIGH SCHOOL -          MIMAROPA REGIONAL CAMPUS</p>	<p>RECOMMENDING APPROVAL:</p> <p><b>MERIAM F. FALLAR</b>          FAD CHIEF</p>	<p>APPROVED BY:</p> <p><b>EDWARD C. ALBARACIN</b>          CAMPUS DIRECTOR</p>	<p>SHEET CONTENTS:</p> <p>PA BGM SYSTEM RISER DIAGRAM</p>	<p>SHEET NO:</p> <p><b>EC 2.2 04</b></p>
	<p>SUITE 305          XAVIERVILLE SQUARE          CONDOMINIUM          NO. 38 XAVIERVILLE          AVE., LOYOLA HEIGHTS,          QUEZON CITY, 1108          TEL. NOS: 426 7009;          426 90244          FAX NOS: 927 0608;          426 7214</p>	<p>PRC No. 0000494 Validity: 12/13/2022</p> <p>PTR No. 0703592 Date: 01/04/2021</p> <p>Place: QUEZON CITY TIN: 106-351-490</p>	<p>LOCATION: Brgy. Rizal, Odiangan, Romblon</p>					



GENERAL NOTES: REFERENCE FOR ROUGHING-INS



NOTES

1. THE PURPOSE OF THIS TO PROVIDE A GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED ACCESS CONTROL SYSTEM
2. THE QUANTITY AND LOCATION OF EQUIPMENT ARE INDICATIVE ONLY. REFER TO FLOOR PLAN LAYOUT FOR FINAL QUANTITY AND LOCATION.
3. PROVIDE 15 MINS. CAPACITY BATTERY PACK PER PANEL. CONTRACTOR SHALL FURNISH AND INSTALL THE COMPLETE SYSTEM TO INCLUDE ALL WIRES/CABLES, ACCESSORIES, REPLAYS AND SOFTWARE PROGRAMMING AS MAY BE DEEMED NECESSARY FOR THE SUCCESSFUL OPERATION OF THE SYSTEM.
4. USE PVC FOR EMBEDDED CONDUITS; IMC FOR EXPOSED
5. KEY MANAGEMENT SYSTEM SHALL UTILIZE ACCESS CONTROL WORKSTATION. ACCESS CONTROL SOFTWARE SHALL BE ABLE SUPPORT/ACCOMMODATE KEY CARD ACCESS SYSTEM.

LEGEND:

- IM INPUT MODULE
- DA DURESS ALARM
- PB 250mm(H)x250mm(W)x150mm(D) FULLBOX
- DAGP DURESS ALARM GATHERING PANEL
- SMTB SECURITY MANAGEMENT TERMINAL BOX
- DC DOOR CONTACT
- CR CARD READER
- EM ELECTROMAGNETIC LOCK
- CRM CARD READER MODULE
- IMC INTERMEDIATE METALLIC CONDUIT
- KM KEY MANAGEMENT
- BM BIOMETRIC READER
- ACP ACCESS CONTROL PANEL

**A** ACADEMIC BUILDING II  
**EC-2.3** ACCESS CONTROL SYSTEM RISER DIAGRM  
 SCALE: N.T.S.

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVERVILLE  
 AVE., LOROVIA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

DESIGNER: <b>EFREN T. PINEDA</b> PROFESSIONAL ELECTRONICS ENGINEER	
PRC No. 0000494	Validity: 12/13/2022
PTR No. 0703592	Date: 01/04/2021
Place: QUEZON CITY	TIN: 106-351-490

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

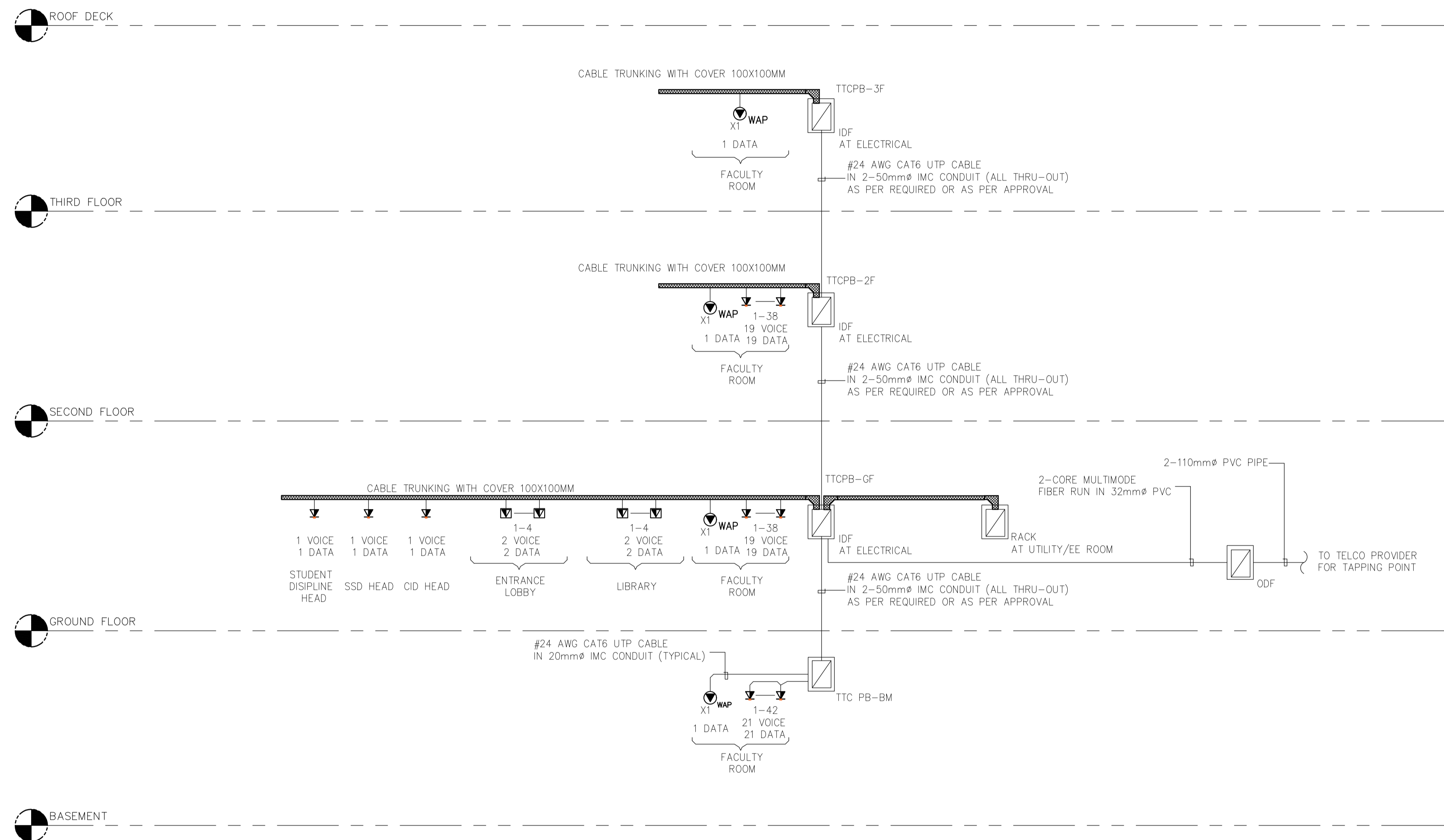
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 ACCESS CONTROL SYSTEM  
 RISER DIAGRAM

SHEET NO:



GENERAL NOTES: REFERENCE FOR ROUGHING-INS



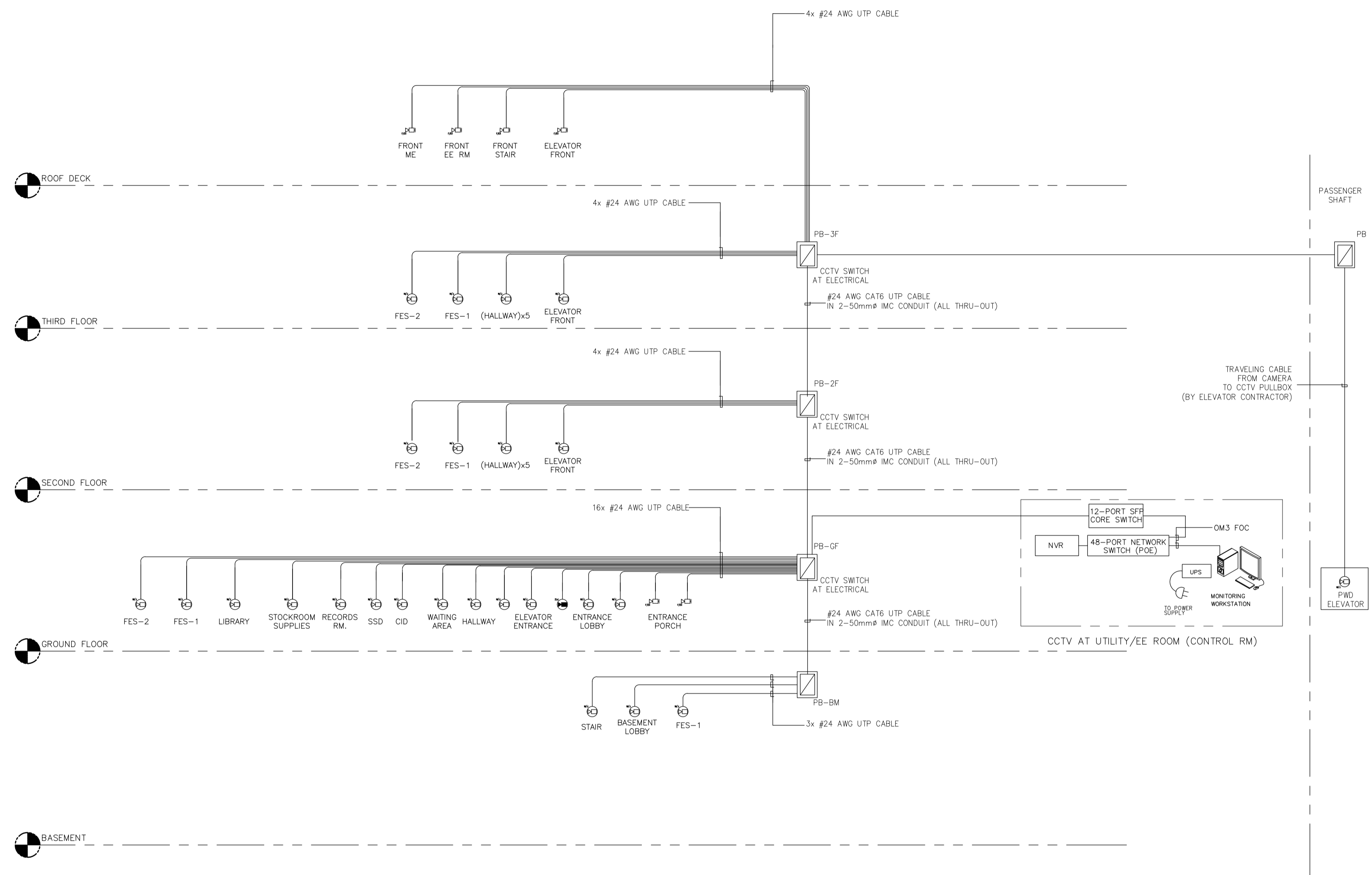
LEGENDS	DESCRIPTION
	TELECOM OUTLET, VOICE/DATA, DUPLEX, WALL/FURNITURE MOUNTED
	TELECOM OUTLET, VOICE/DATA, DUPLEX, FLOOR MOUNTED
	TELECOM OUTLET, DATA, SINGLE, CEILING MOUNTED
	CABLE TRUNK WITH COVER SIZE AS PER INDICATED
	INTERMEDIATE DISTRIBUTION FRAME
	OPTICAL DISTRIBUTION FRAME

**A** ACADEMIC BUILDING II  
**EC-2.4** STRUCTURAL CABLING SYSTEM RISER DIAGM  
 SCALE: N.T.S.

<b>ENRIQUE O. OLONAN &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH <b>ENRIQUE O. OLONAN &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	DESIGNER: <b>EFREN T. PINEDA</b> PROFESSIONAL ELECTRONICS ENGINEER	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: STRUCTURAL CABLING SYSTEM RISER DIAGRAM	SHEET NO: 
	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214	PRC No. 0000494 PTR No. 0703592 Place: QUEZON CITY	Validity: 12/13/2022 Date: 01/04/2021 TIN: 106-351-490	LOCATION: Brgy. Rizal, Odiangan, Romblon				



GENERAL NOTES: REFERENCE FOR ROUGHING-INS



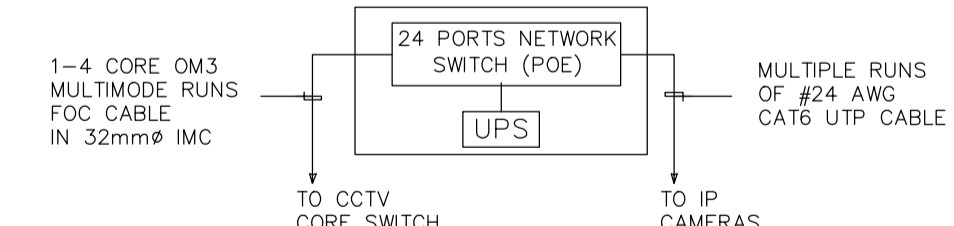
LEGENDS	DESCRIPTION
[NVR]	NETWORK VIDEO RECORDER
[UPS]	1kVA 230V, 1Ø UPS, 15MINS BACK-UP TIME
[CCTV]	CCTV CAMERA, FIXED INTERIOR WALL MOUNTED
[CCTV]	CCTV CAMERA, FIXED EXTERIOR WALL MOUNTED
[CCTV]	CCTV CAMERA, FIXED INTERIOR CEILING MOUNTED
[CCTV]	CCTV CAMERA, FIXED EXTERIOR CEILING MOUNTED
[CCTV]	CCTV CAMERA, PTZ INTERIOR CEILING MOUNTED
[CCTV]	CCTV CAMERA, PTZ EXTERIOR CEILING MOUNTED
[JCB]	JUNCTION BOX, CEILING MOUNTED
[JWB]	JUNCTION BOX, WALL MOUNTED
[CCTV IDF]	CCTV IDF CABINET [400(H)x600(W)x600(D)]MM
[PB]	PULLBOX (250x250x150)MM

ABBREVIATIONS

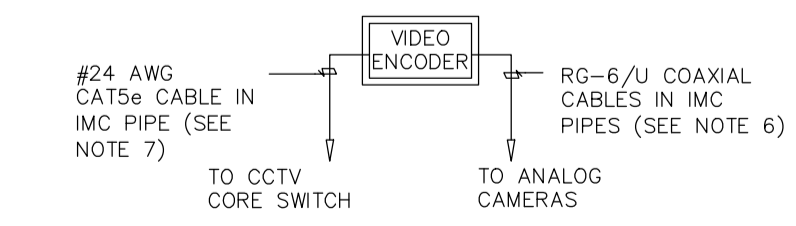
PE	PASSENGER ELEVATOR
FE	FIRE EXIT
CCTV	CLOSED CIRCUIT TELEVISION
AWG	AMERICAN WIRE GAUGE
IMC	INTERMEDIATE METALLIC CONDUIT
UPS	INTERRUPTIBLE POWER SUPPLY
NVR	NETWORK VIDEO RECORDER
FOC	FIBER OPTIC CABLE
UTP	UNSHIELDED TWISTED PAIR
CAT	CATEGORY
POE	POWER OVER INTERNET
IP	INTERNET PROTOCOL (IP-BASED)
WP	WEATHERPROOF ENCLOSURE
SFP	SMALL FORM-FACTOR PLUGGABLE

- ADDITIONAL ENGINEERING NOTES:
- THE PURPOSE OF THIS SCHEMATIC IS TO PROVIDE THE GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED CCTV SURVEILLANCE SYSTEM.
  - EQUIPMENT AND DEVICES REFLECTED ON THE PLANS ARE INDICATIVE ONLY. REFER TO FLOOR PLAN LAYOUT FOR EXACT LOCATION AND QUANTITY.
  - CONTRACTOR TO PROVIDE COMPLETE CCTV SURVEILLANCE SYSTEM TO INCLUDE ALL WIRING AND ACCESSORIES, DEVICES, EQUIPMENT AND SOFTWARE WHICH INCLUDE LICENSE PLATE RECOGNITION AND VIDEO ANALYTICS AS MAY DEEM NECESSARY FOR A SUCCESSFUL OPERATION OF THE SYSTEM.
  - CCTV SWITCH MONITORING & VIDEO MANAGEMENT SERVER NETWORK VIDEO RECORDER SHALL BE MOUNTED ON CCTV RACK LOCATED AT SECURITY ROOM.
  - NUMBER OF ANALOG CAMERAS TO BE CONNECTED ON VIDEO ENCODER SHALL BE AS PER MANUFACTURER'S RECOMMENDATION. CCTV CONTRACTOR TO MAINTAIN AND VERIFY LESS THAN 90M LENGTH OF CAT5e UTP CABLE BASED ON ACTUAL SITE CONDITION.
  - VIDEO ENCODERS SHALL BE HOUSED INSIDE NEW NEMA IP65 APPROVED ENCLOSURE AT ELV. ROOMS. SEE LAYOUT ROOMS FOR LOCATION.
  - QUANTITY OF CAT6/CAT5e INSIDE A INTERMEDIATE METALLIC CONDUIT SHALL BE: OR AS PER REQUIRED

CONDUIT SIZE	20mmØ	25mmØ	32mmØ
#24 AWG CAT6	2	4	6
#24 AWG CAT5e	4	6	8



12. VIDEO ENCODER DETAIL SHALL BE: OR (AS PER REQUIRED)



**A** ACADEMIC BUILDING II  
**EC-2.5** CCTV SYSTEM RISER DIAGRAM  
 SCALE: N.T.S.

**ENRIQUE O. OLANAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LONVOILA HEIGHTS, QUEZON CITY, 1108  
 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214

**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

DESIGNER:	
<b>EFREN T. PINEDA</b> PROFESSIONAL ELECTRONICS ENGINEER	
PRC No. 0000494	Validity: 12/13/2022
PTR No. 0703592	Date: 01/04/2021
Place: QUEZON CITY	TIN: 106-351-490

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:

**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:

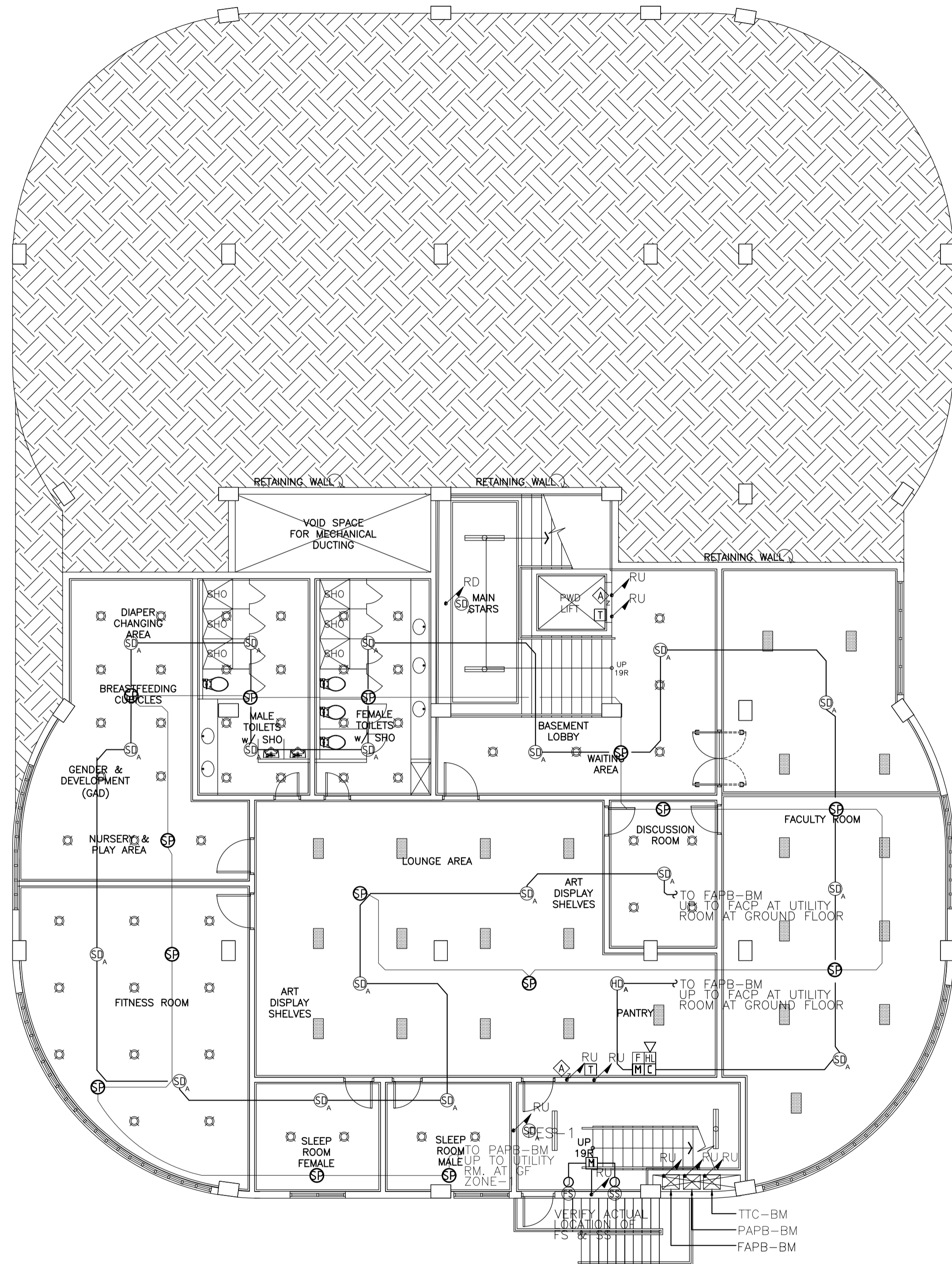
CCTV SYSTEM RISER DIAGRAM

SHEET NO:

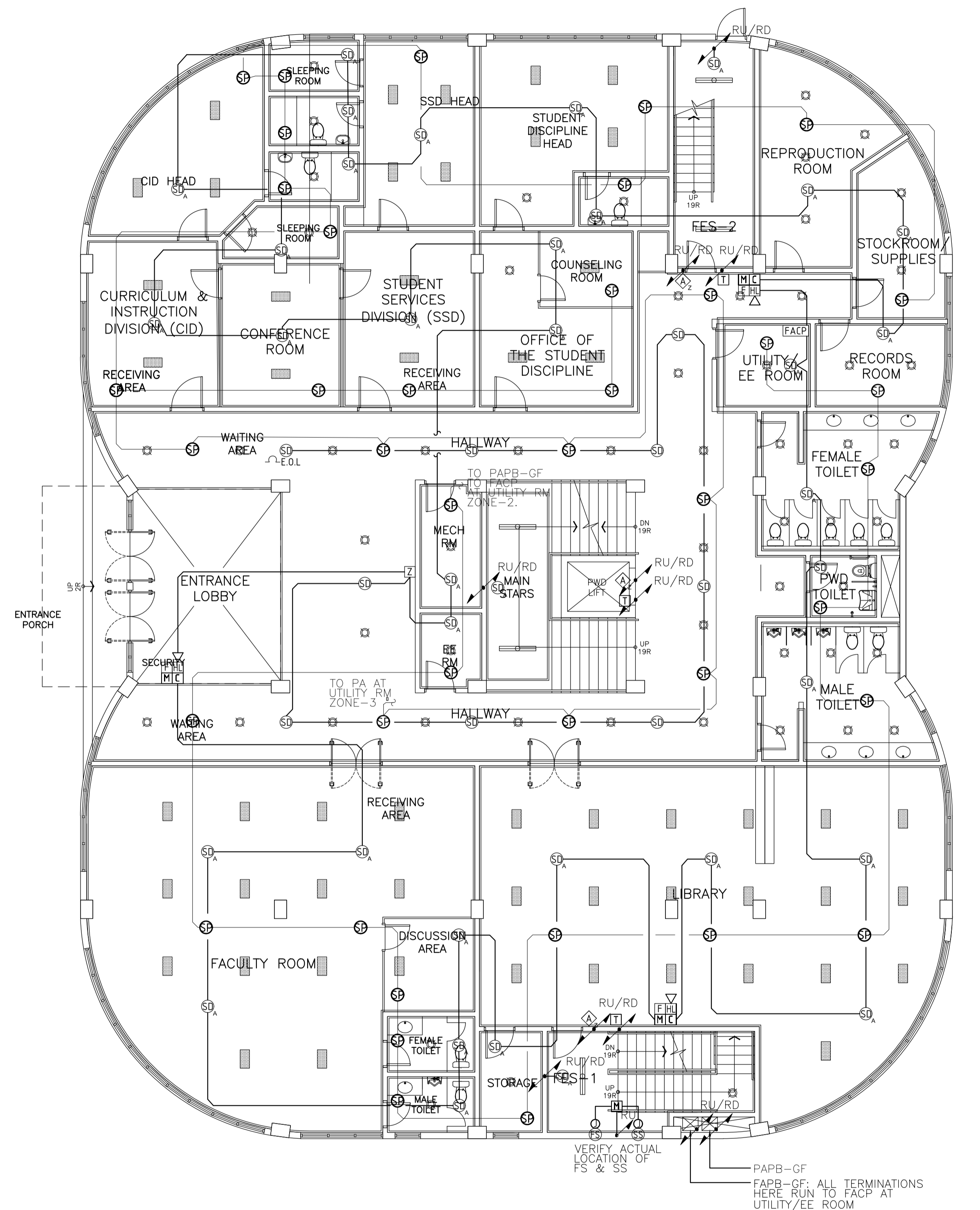
**EC**  
2.5 04



GENERAL NOTES: REFERENCE FOR ROUGHING-INS



**A** ACADEMIC BUILDING II  
**BASEMENT REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM**  
 EC-3.1 SCALE: 1:100m




**B** ACADEMIC BUILDING II  
**GROUND FLOOR REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM**  
 EC-3.1 SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108  
 TEL NOS: 426 7009; 426 90294; FAX NOS: 927 0608; 426 7214  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

DESIGNER:  
**EFREN T. PINEDA**  
 PROFESSIONAL ELECTRONICS ENGINEER  
 PRC No. 0000494 Validity: 12/13/2022  
 PTR No. 0703592 Date: 01/04/2021  
 Place: QUEZON CITY TIN: 106-351-490

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPUTATION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

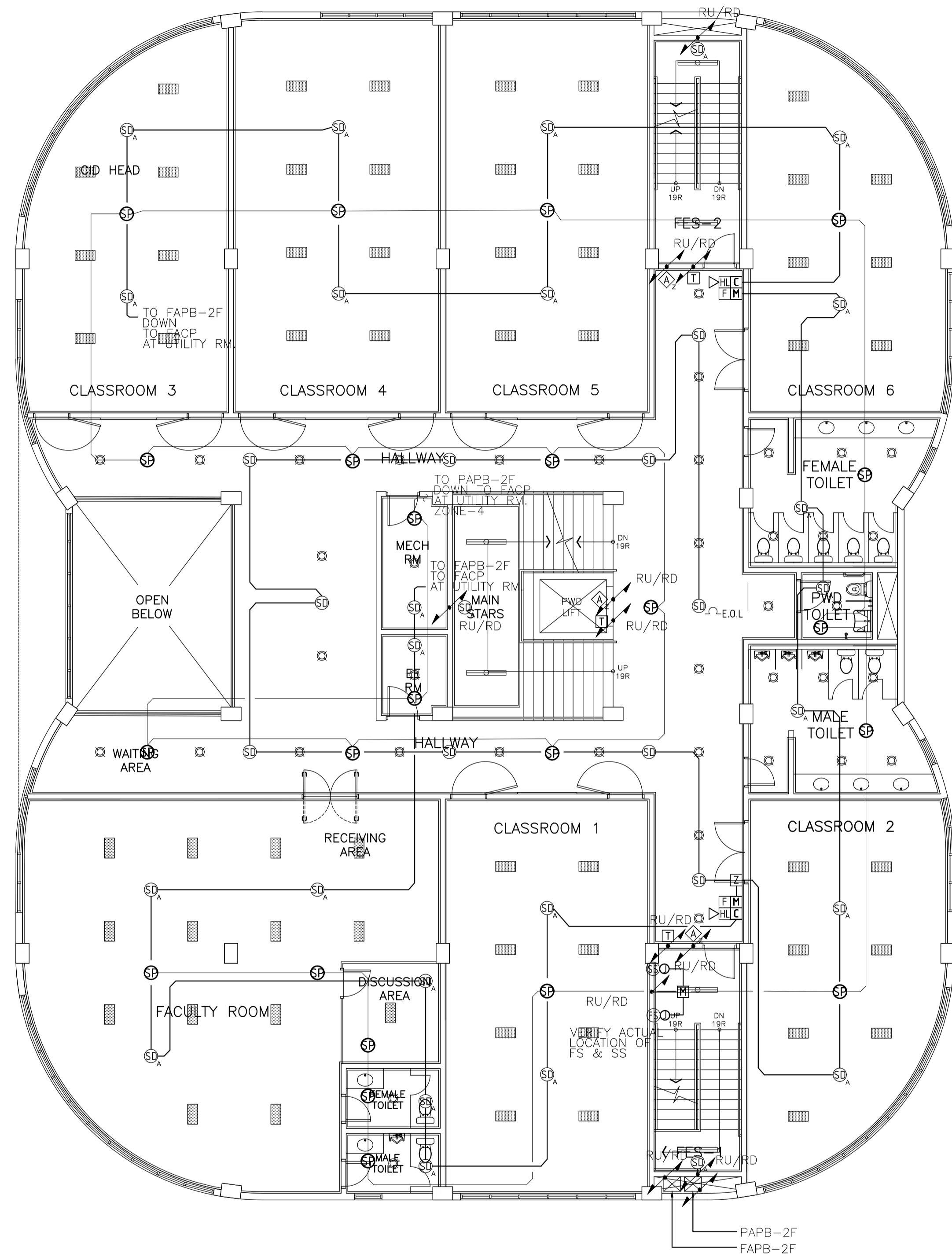
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 BASEMENT REFLECTED CEILING PLAN  
 FDAS AND PA BGM SYSTEM  
 GROUND FLOOR REFLECTED CEILING PLAN  
 FDAS AND PA BGM SYSTEM

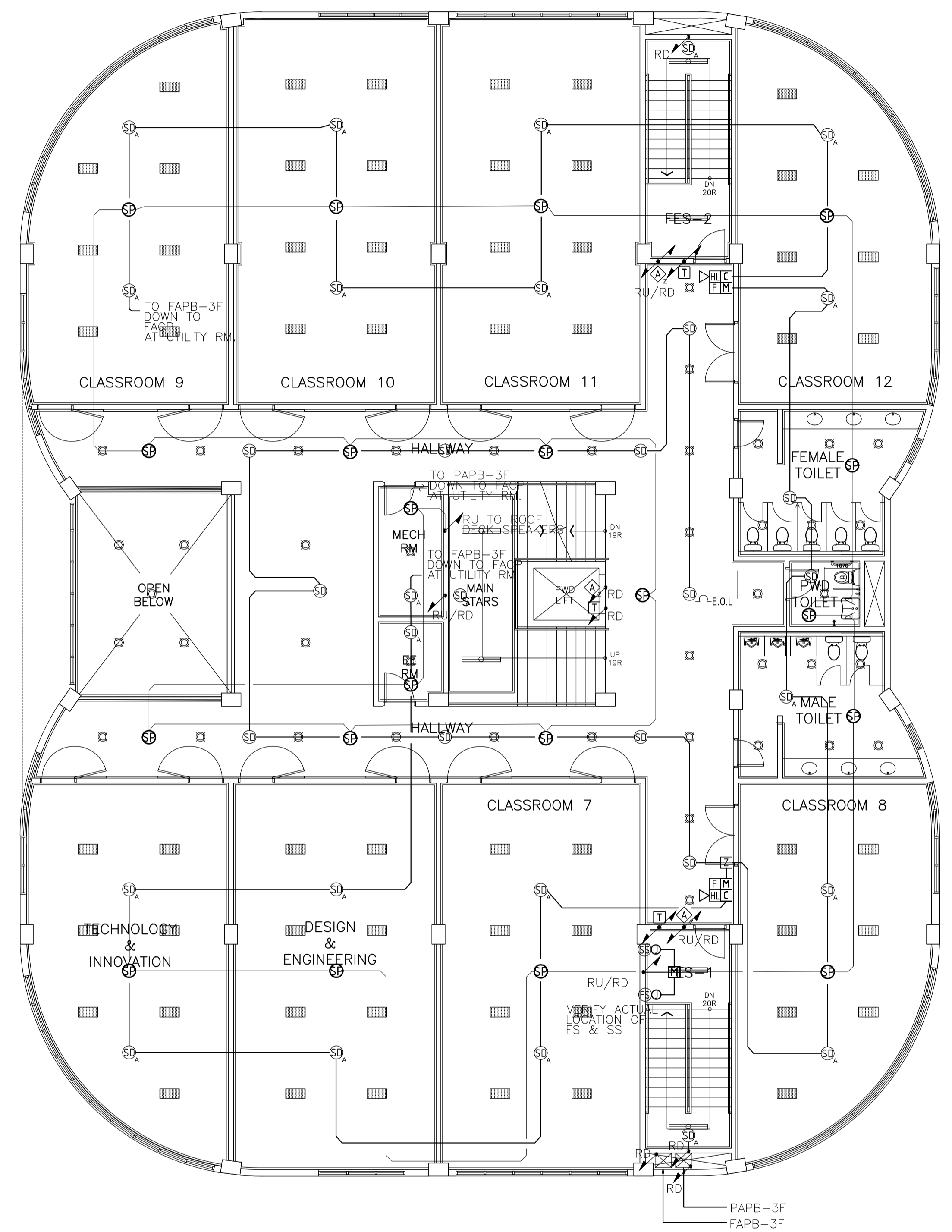
SHEET NO:  
**EC**  
 3.1 04



GENERAL NOTES: REFERENCE FOR ROUGHING-INS



**A** ACADEMIC BUILDING II  
**SECOND FLOOR REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM**  
 EC-3.2 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**THIRD FLOOR REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM**  
 EC-3.2 SCALE: 1:100m

**ENRIQUE O. OLANAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVENUE, LOYOLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7009;  
 426 90244  
 FAX NOS: 927 0608;  
 426 7214

DESIGNER:  
**EFREN T. PINEDA**  
 PROFESSIONAL ELECTRONICS ENGINEER  
 PRC No. 0000494 Validity: 12/13/2022  
 PTR No. 0703592 Date: 01/04/2021  
 Place: QUEZON CITY TIN: 106-351-490

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

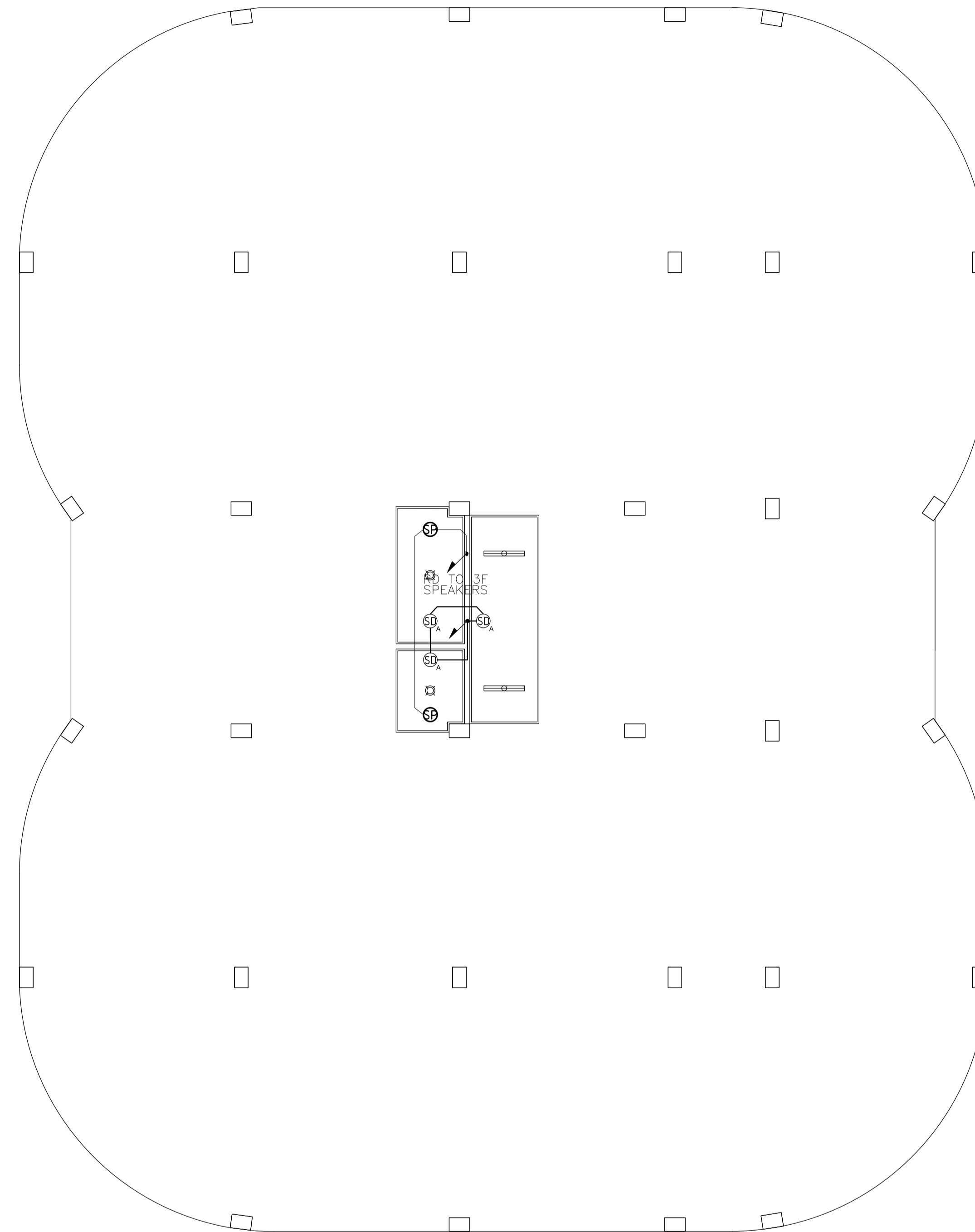
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

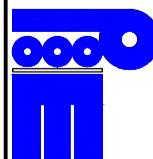


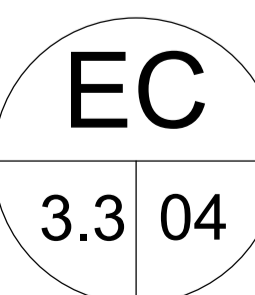
SHEET CONTENTS:  
 SECOND FLOOR REFLECTED CEILING PLAN  
 FDAS AND PA BGM SYSTEM  
 THIRD FLOOR REFLECTED CEILING PLAN  
 FDAS AND PA BGM SYSTEM

SHEET NO:  
**EC**  
**3.2 04**



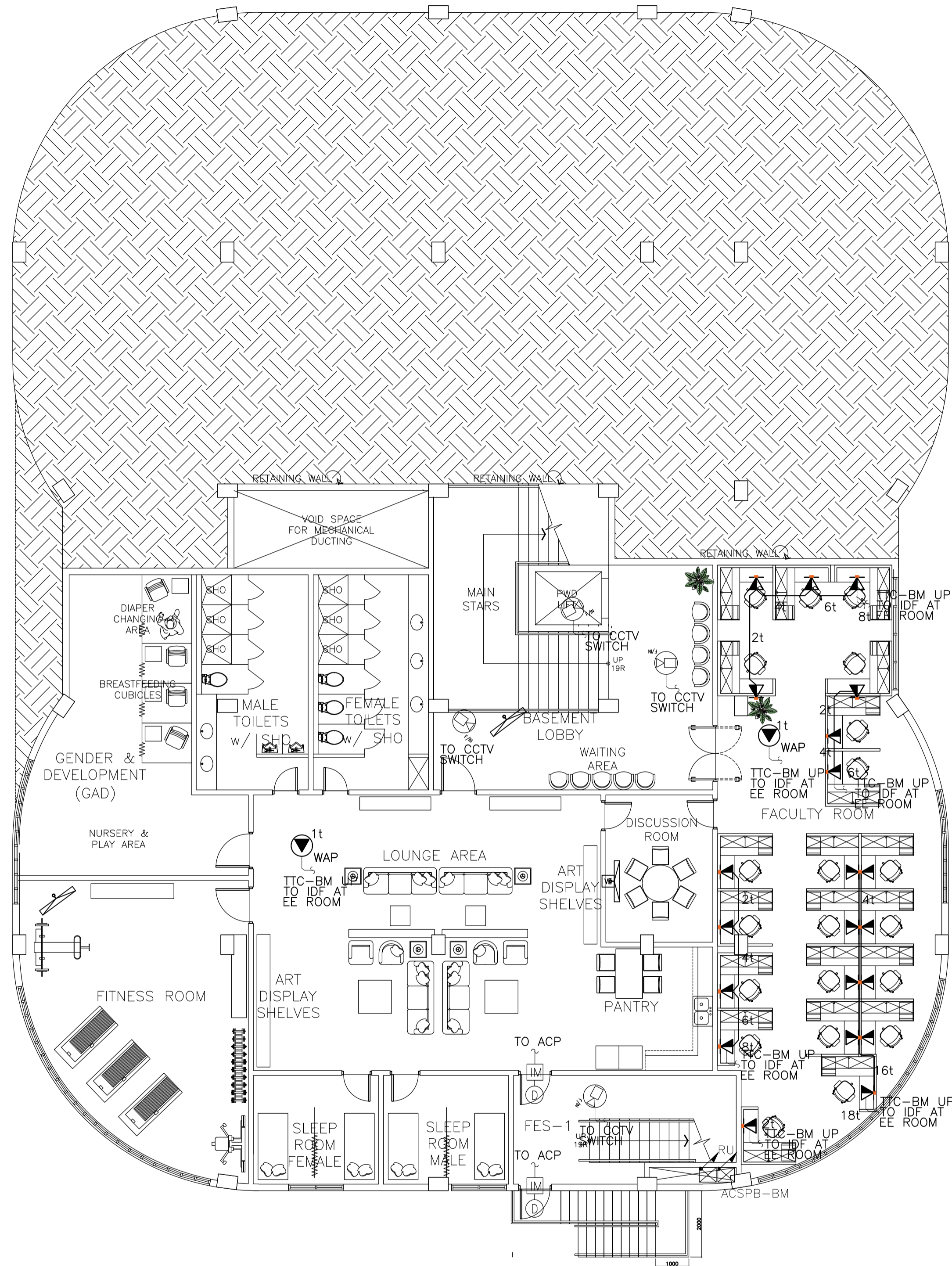


**A** ACADEMIC BUILDING II  
**EC-3.3** ROOF DECK REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM  
 SCALE: 1:100m

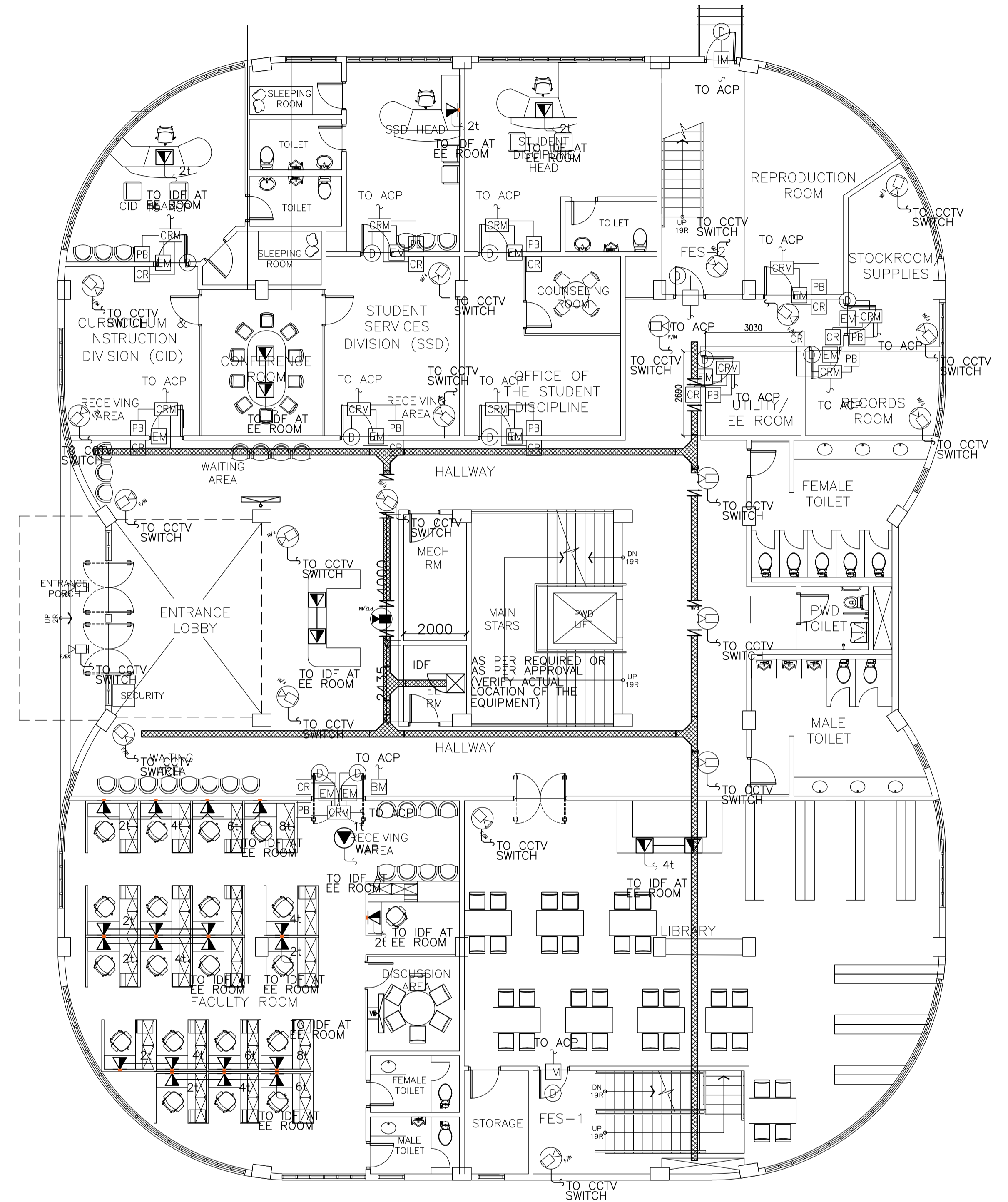
 <b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH  <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	SUITE 305 XAVERVILLE SQUARE CONDOMINIUM NO. 38 XAVERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 90244 FAX NOS: 927 0608; 426 7214	DESIGNER: <b>EFREN T. PINEDA</b> PROFESSIONAL ELECTRONICS ENGINEER PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT: <b>PROPOSED ACADEMIC BUILDING II</b> LOCATION: Brgy. Rizal, Odiongan, Romblon	DESIGNED FOR:  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL: <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY: <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS: ROOF DECK REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM	SHEET NO: 
--	--	---	--	--	---	--	---	---	--



GENERAL NOTES: REFERENCE FOR ROUGHING-INS



**A** ACADEMIC BUILDING II  
**BASEMENT FLOOR PLAN ACS CCTV CATV AND TELCO SYSTEM**  
 EC-3.4 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**GROUND FLOOR PLAN ACS, CCTV, CATV AND TELCO SYSTEM**  
 EC-3.4 SCALE: 1:100m

**ENRIQUE O. OLONAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVIERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVIERVILLE  
 AVE., LOROVILLA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL. NOS: 426 7000;  
 426 9024  
 FAX NOS: 927 0608;  
 426 7214

DESIGNER:  
**EFREN T. PINEDA**  
 PROFESSIONAL ELECTRONICS ENGINEER  
 PRC No. 0000494 Validity: 12/13/2022  
 PTR No. 0703592 Date: 01/04/2021  
 Place: QUEZON CITY TIN: 106-351-490

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

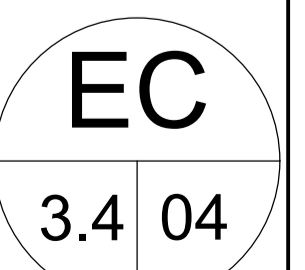
PROJECT:  
**PROPOSED  
 ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

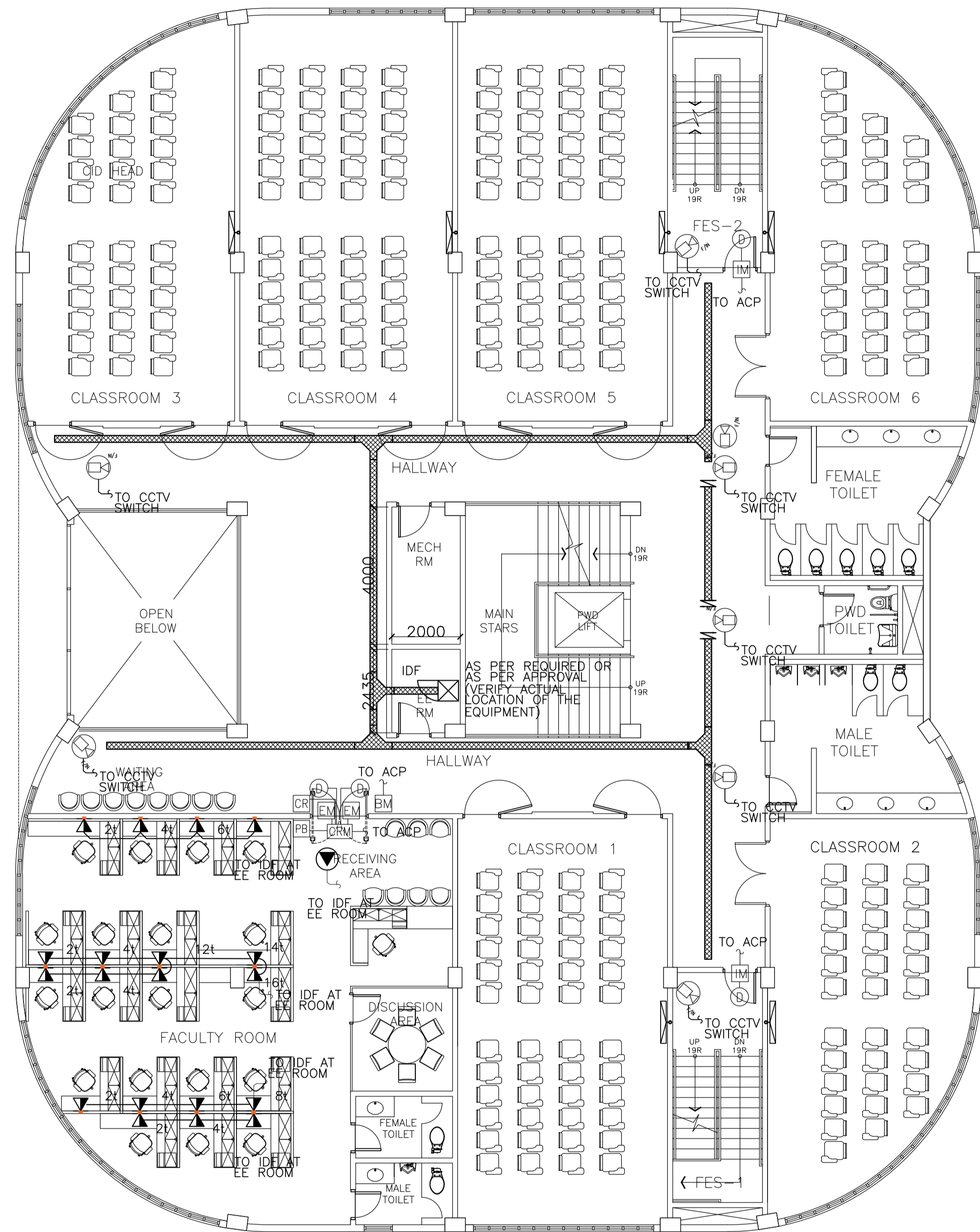
APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

SHEET CONTENTS:  
 BASEMENT FLOOR PLAN  
 ACS, CCTV, CATV AND TELCO SYSTEM  
 GROUND FLOOR PLAN  
 ACS, CCTV, CATV AND TELCO SYSTEM

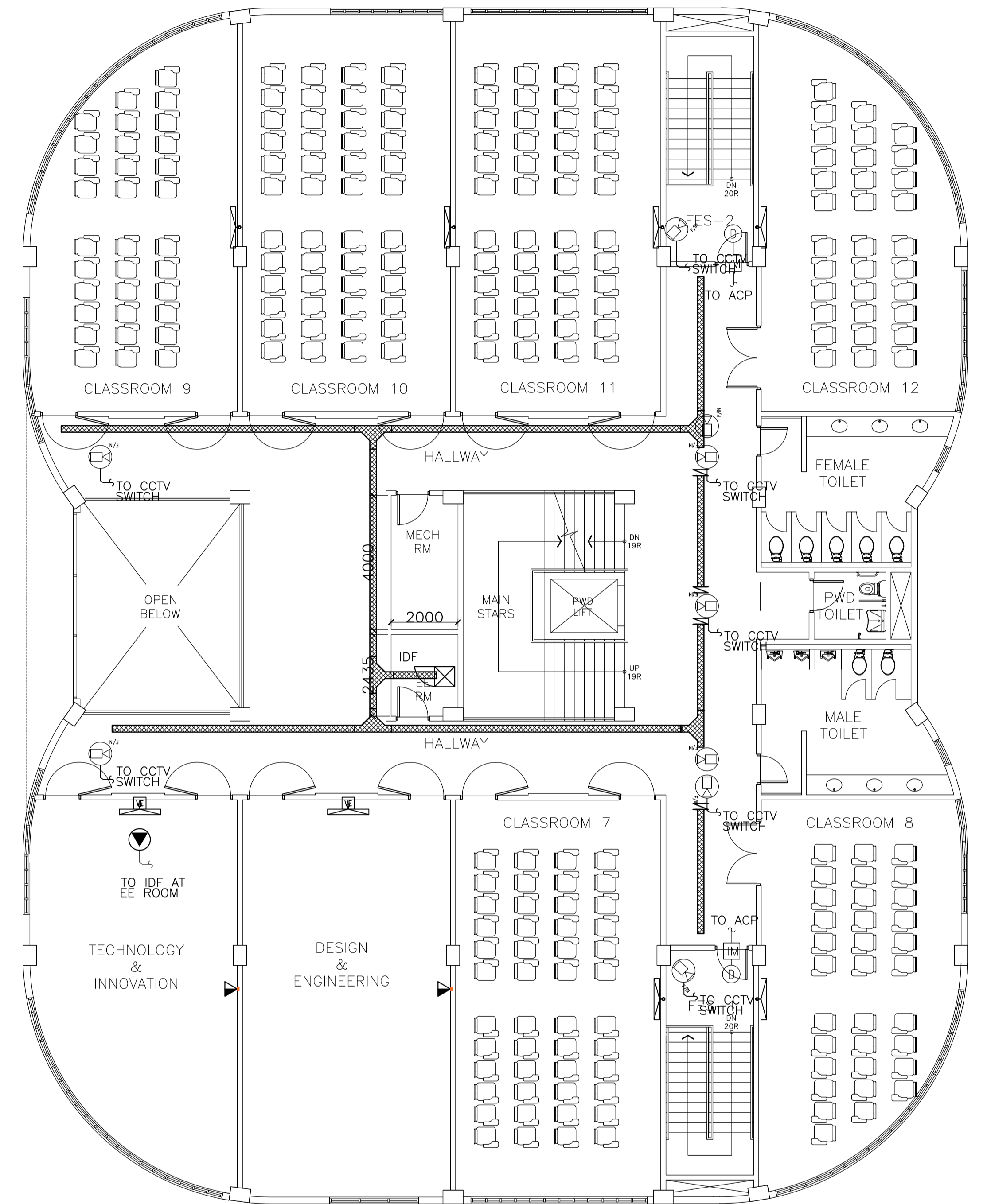
SHEET NO:  




GENERAL NOTES: REFERENCE FOR ROUGHING-INS



**A** ACADEMIC BUILDING II  
**SECOND FLOOR PLAN ACS, CCTV, CATV AND TELCO SYSTEM**  
 EC-3.5 SCALE: 1:100m



**B** ACADEMIC BUILDING II  
**THIRD FLOOR PLAN ACS, CCTV, CATV AND TELCO SYSTEM**  
 EC-3.5 SCALE: 1:100m

**ENRIQUE O. OLANAN & ASSOCIATES**  
 ARCHITECTS ENGINEERS CONSULTANTS  
 IN JOINT VENTURE WITH  
**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
 XAVERVILLE SQUARE  
 CONDOMINIUM  
 NO. 38 XAVERVILLE  
 AVE., LOROVIA HEIGHTS,  
 QUEZON CITY, 1108  
 TEL NOS: 426 7000;  
 426 90244  
 FAX NOS: 927 0668;  
 426 7214

DESIGNER:  
**EFREN T. PINEDA**  
 PROFESSIONAL ELECTRONICS ENGINEER  
 PRC No. 0000494 Validity: 12/13/2022  
 PTR No. 0703592 Date: 01/04/2021  
 Place: QUEZON CITY TIN: 106-351-490

REPUBLIC ACT 9266  
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**  
 LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
 REPUBLIC OF THE PHILIPPINES  
 PHILIPPINE SCIENCE HIGH SCHOOL -  
 MIMAROPA REGIONAL CAMPUS

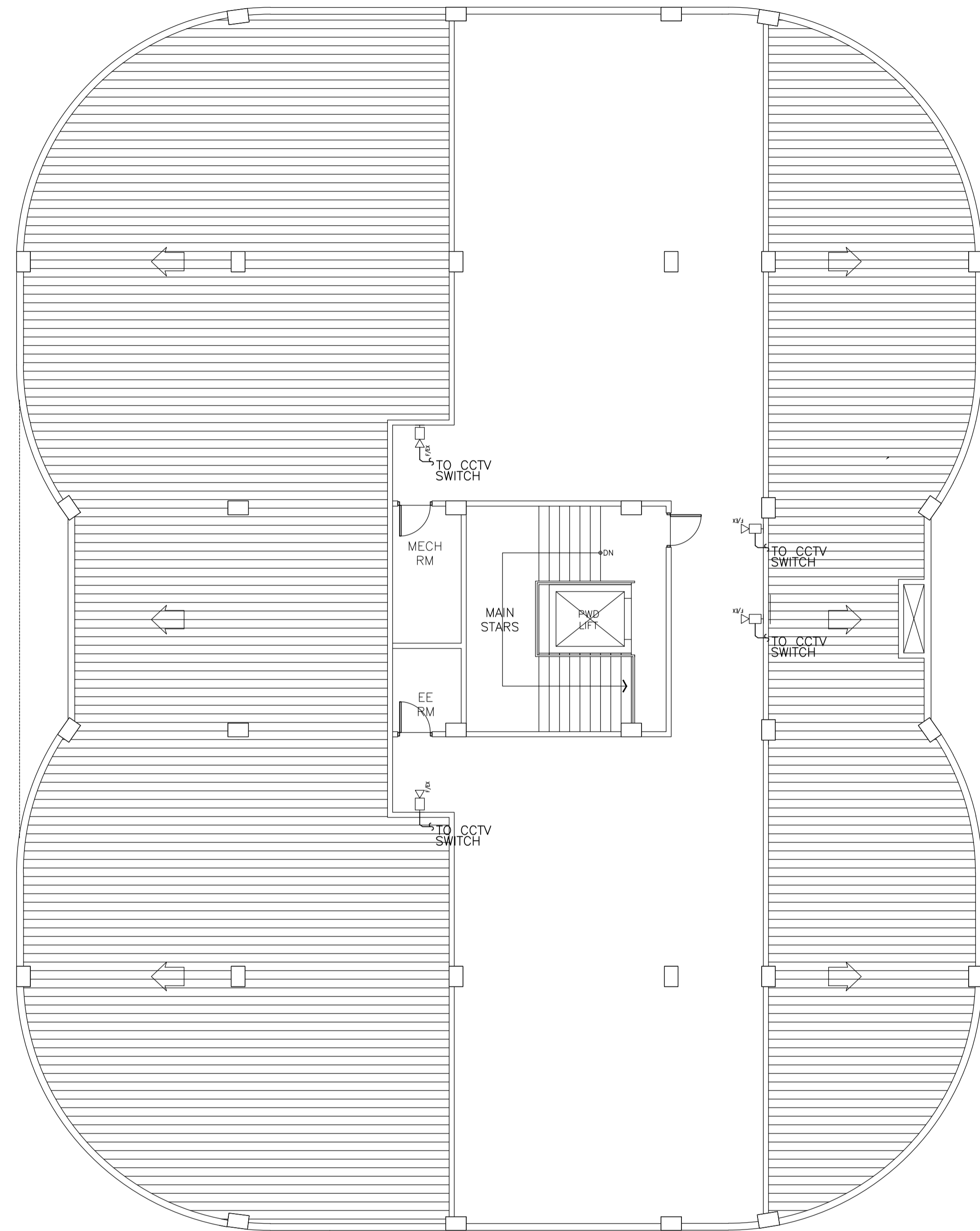
RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
 FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
 CAMPUS DIRECTOR

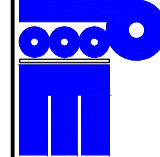


SHEET CONTENTS:  
 SECOND FLOOR PLAN  
 ACS, CCTV, CATV AND TELCO SYSTEM  
 THIRD FLOOR PLAN  
 ACS, CCTV, CATV AND TELCO SYSTEM

SHEET NO:  
**EC 3.5 04**



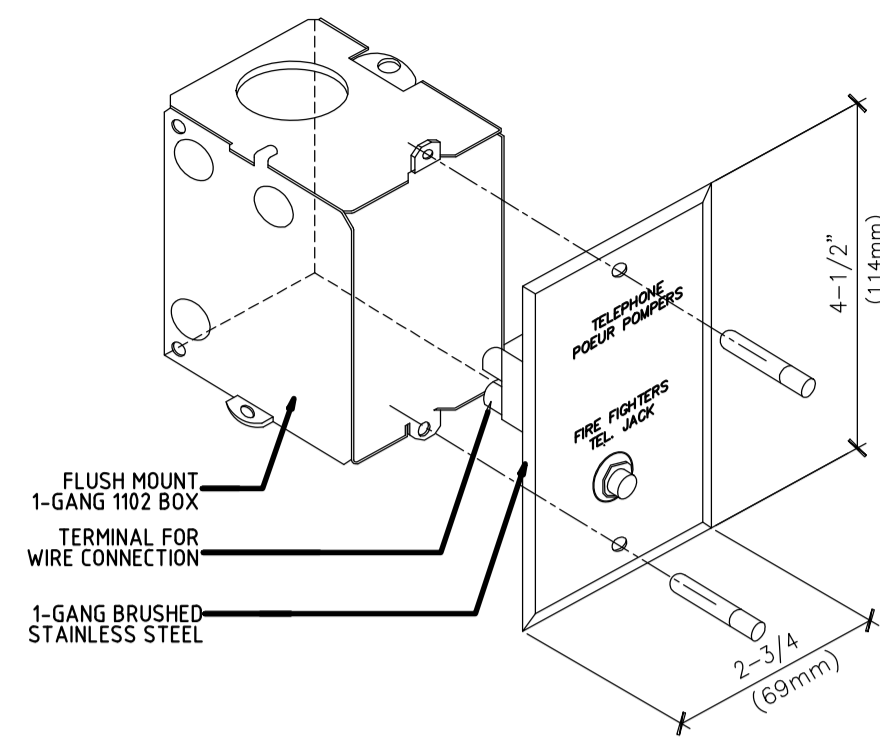


**A** ACADEMIC BUILDING II  
**ROOF DECK PLAN**  
 A-04 SCALE: 1:100m

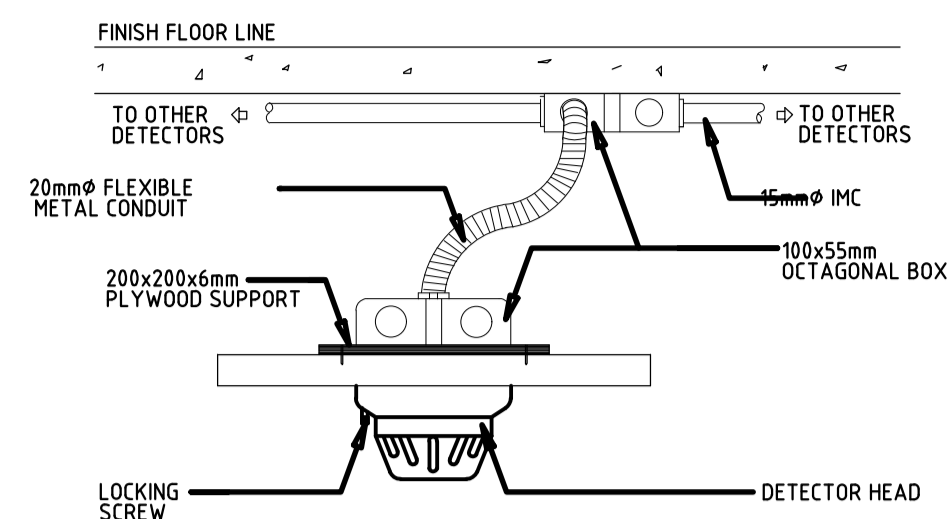
 <b>ENRIQUE O. OLANON &amp; ASSOCIATES</b> ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH  <b>ENRIQUE O. OLANON &amp; ASSOCIATES, CO.</b> ARCHITECTS ENGINEERS CONSULTANTS	SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE. LOROLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 3002-04 FAX NOS: 927 0608; 426 7214	DESIGNER:  <b>EFREN T. PINEDA</b> PROFESSIONAL ELECTRONICS ENGINEER	REPUBLIC ACT 9266 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPRODUCTION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.	PROJECT:  <b>PROPOSED ACADEMIC BUILDING II</b>	DESIGNED FOR:   REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS	RECOMMENDING APPROVAL:  <b>MERIAM F. FALLAR</b> FAD CHIEF	APPROVED BY:  <b>EDWARD C. ALBARACIN</b> CAMPUS DIRECTOR	SHEET CONTENTS:  ROOF DECK PLAN CCTV LAYOUT	SHEET NO:  <b>EC</b> 3.6 04
	PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490	LOCATION: Brgy. Rizal, Odiongan, Romblon							



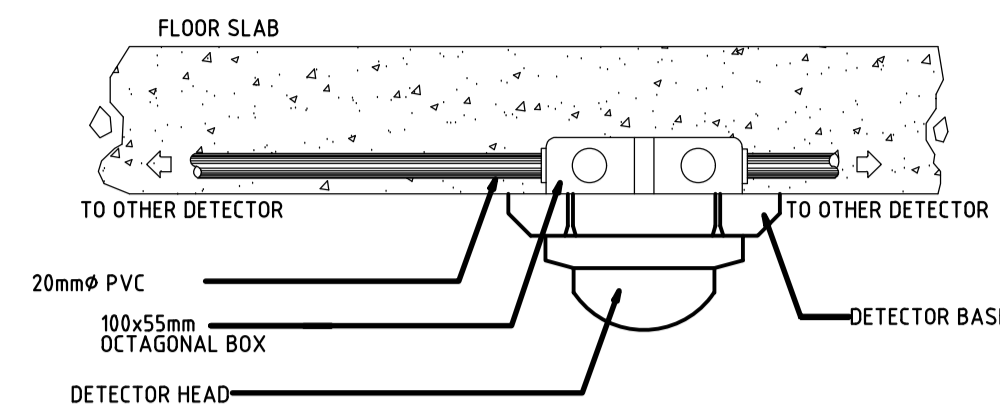
GENERAL NOTES: REFERENCE FOR ROUGHING-INS



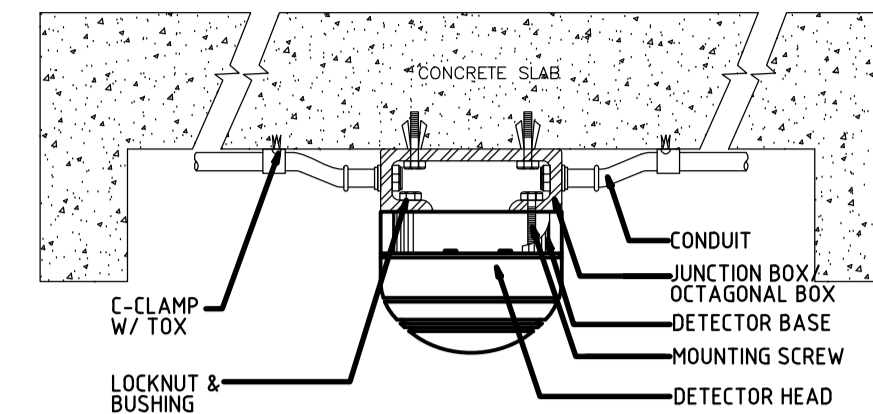
**1** FDAS MOUNTING DETAILS  
**FIREMAN'S TEL JACK**  
EC-4.1 SCALE: N.T.S.



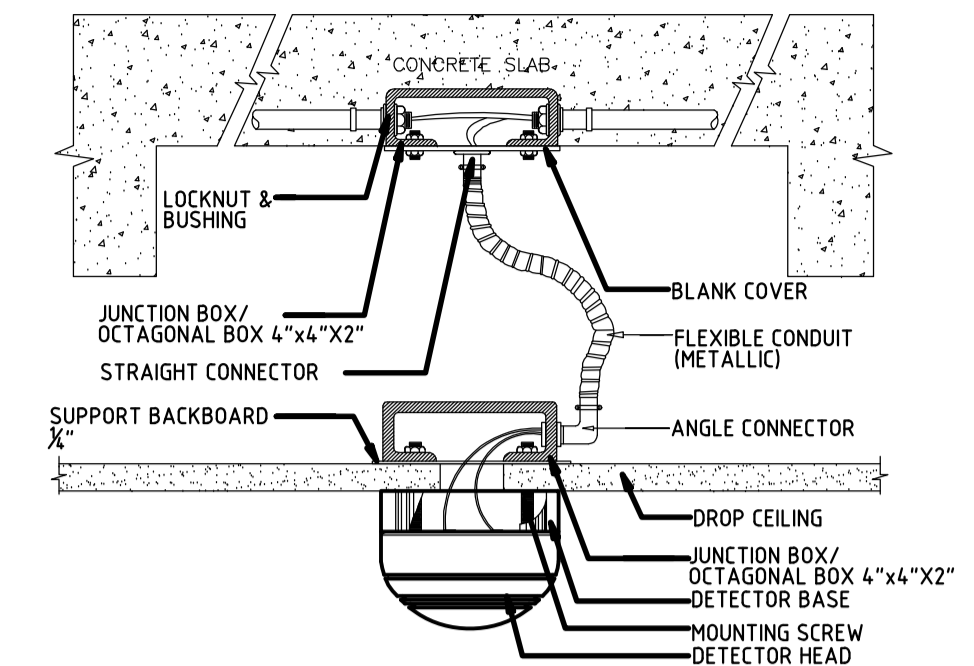
**2** FDAS FLUSH-MOUNTING DETAILS  
**TYPICAL DETECTOR**  
EC-4.1 SCALE: N.T.S.



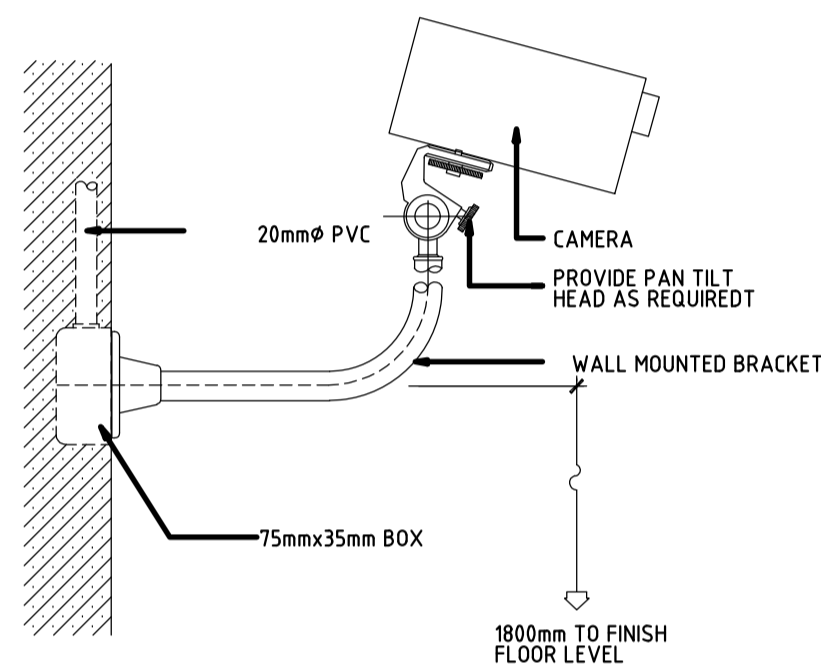
**3** FDAS SURFACE-MOUNTING DETAILS  
**TYPICAL DETECTOR**  
EC-4.1 SCALE: N.T.S.



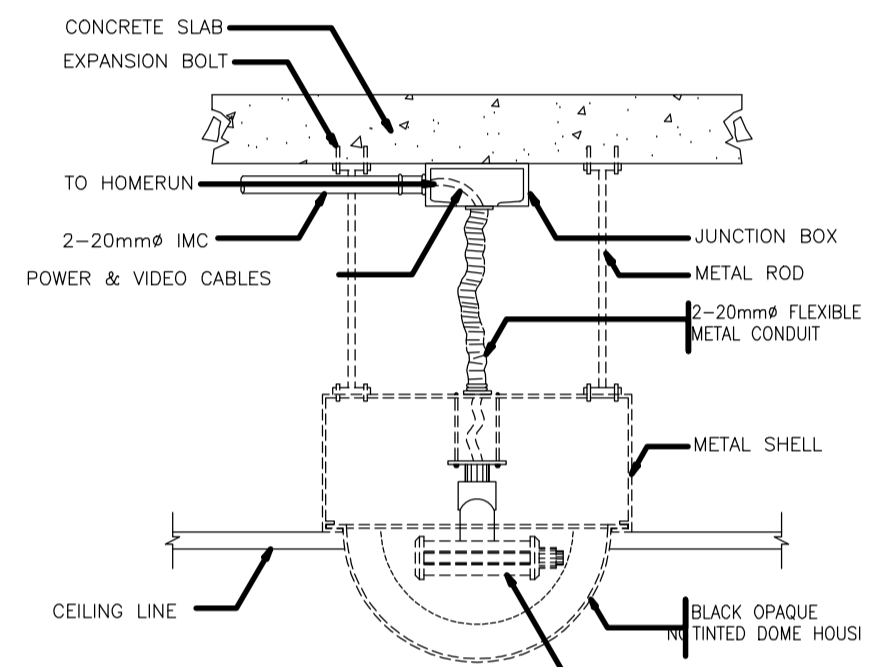
**4** FDAS HEAT/SMOKE MOUNTING DETAILS  
**EXPOSED CONDUIT**  
EC-4.1 SCALE: N.T.S.



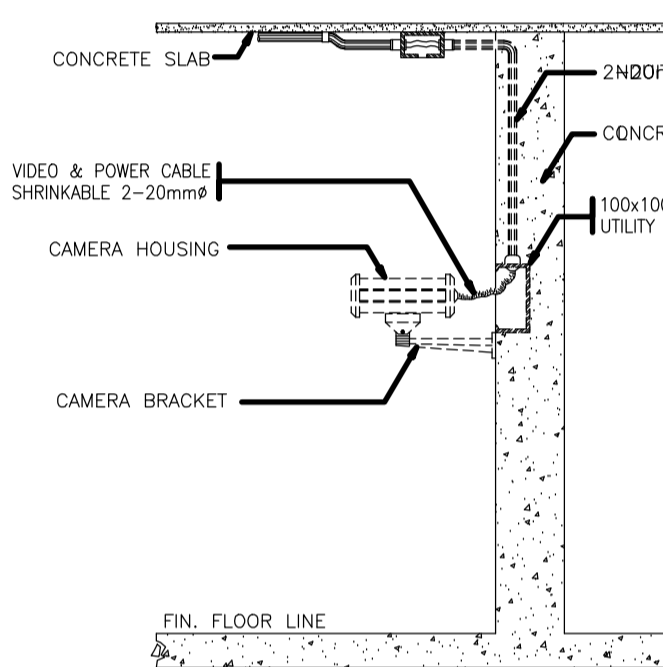
**5** FDAS HEAT/SMOKE MOUNTING DETAILS  
**EMBEDDED CONDUIT**  
EC-4.1 SCALE: N.T.S.



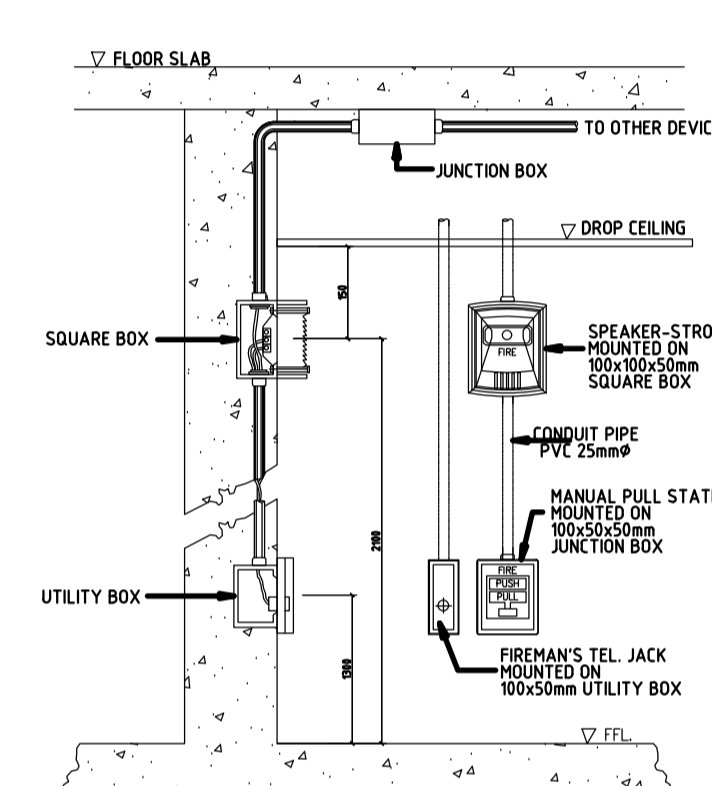
**6** CCTV MOUNTING DETAILS  
**WALL MOUNT 1**  
EC-4.1 SCALE: N.T.S.



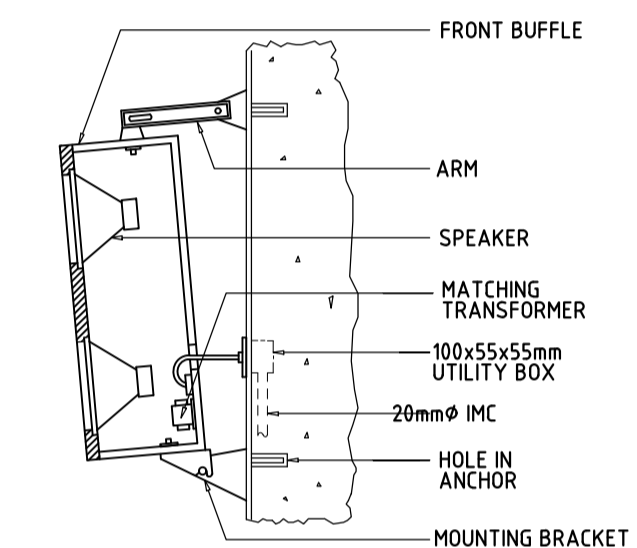
**7** CCTV MOUNTING DETAILS  
**CEILING MOUNTED**  
EC-4.1 SCALE: N.T.S.



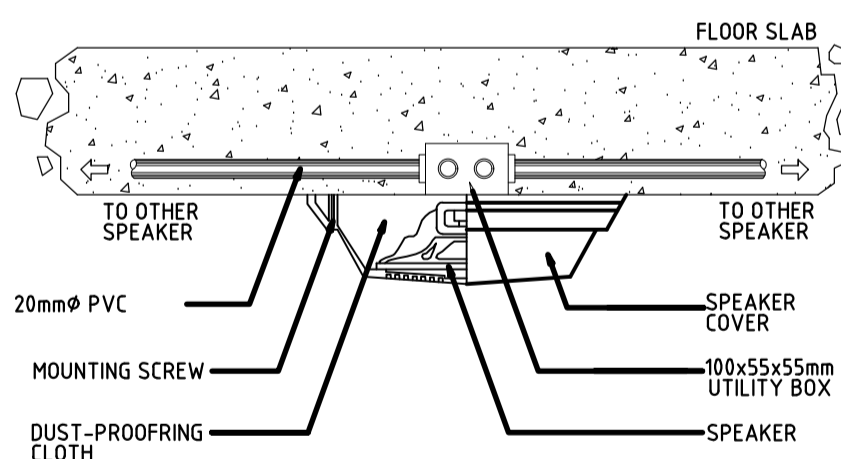
**8** CCTV MOUNTING DETAILS  
**WALL MOUNT 2**  
EC-4.1 SCALE: N.T.S.



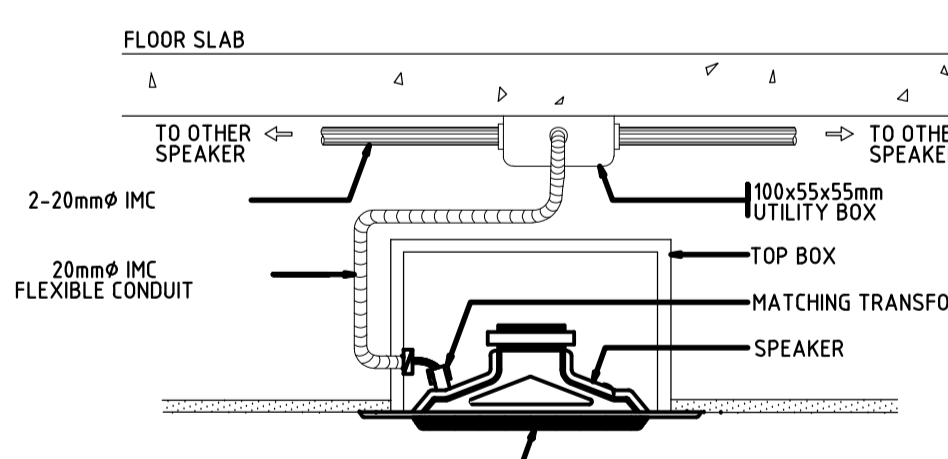
**9** FDAS MOUNTING DETAILS  
**SOUNDER & MANUAL PULL**  
EC-4.1 SCALE: N.T.S.



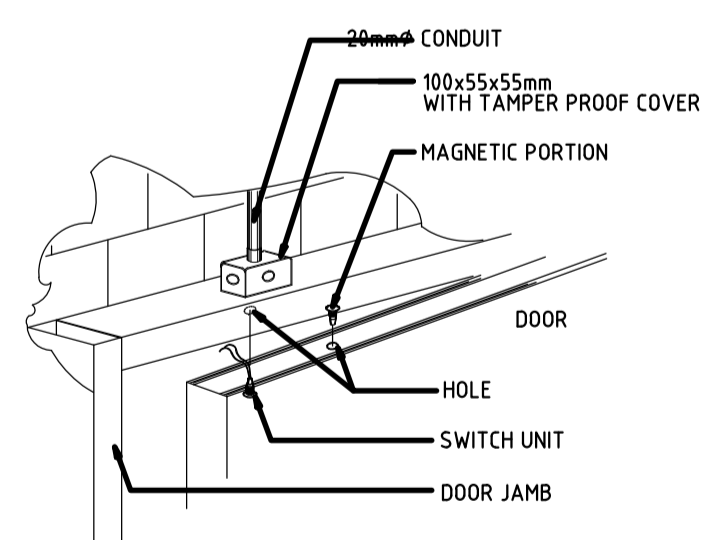
**10** LOUDSPEAKER MOUNTING DETAILS  
**SIDE/COLUMN MOUNTED**  
EC-4.1 SCALE: N.T.S.



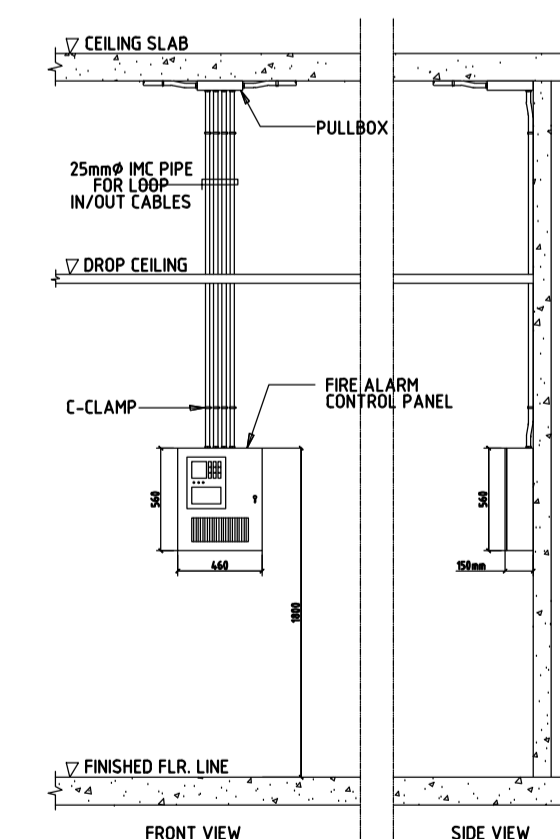
**11** SPEAKER MOUNTING DETAILS  
**CEILING SPEAKER 1**  
EC-4.1 SCALE: N.T.S.



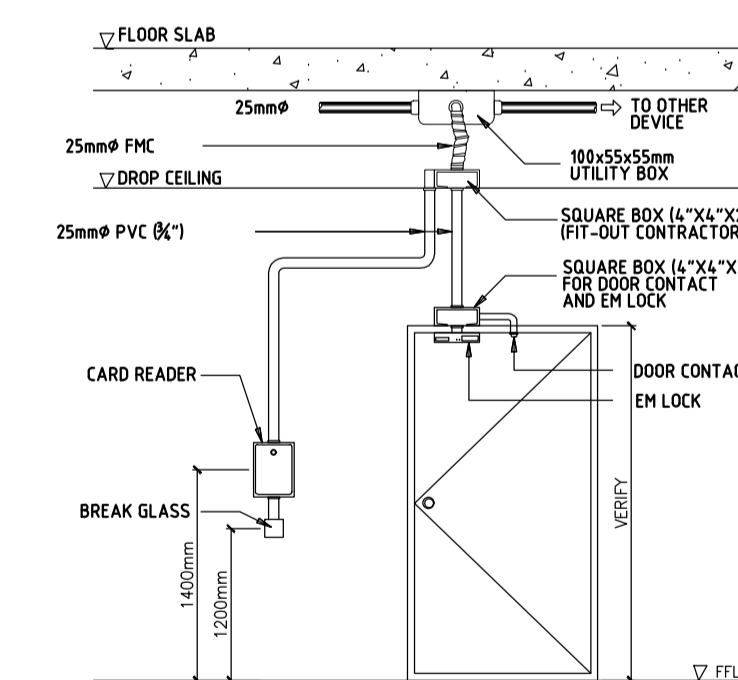
**12** SPEAKER MOUNTING DETAILS  
**CEILING SPEAKER 2**  
EC-4.1 SCALE: N.T.S.



**13** ACS LOCK MOUNTING DETAILS  
**MAGNETIC DOOR SWITCH**  
EC-4.1 SCALE: N.T.S.



**13** FDAS MOUNTING DETAILS  
**SURFACE MOUNTED**  
EC-4.1 SCALE: N.T.S.



**15** ACS CARD READER/BREAKER  
**EM LOCK DETAIL**  
EC-4.1 SCALE: N.T.S.

**ENRIQUE O. OLONAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLONAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORON HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7000;  
426 3002/4  
FAX NOS: 927 0608;  
426 7214

DESIGNER:  
**EFREN T. PINEDA**  
PROFESSIONAL ELECTRONICS ENGINEER

PRC No. 0000494 Validity: 12/13/2022  
PTR No. 0703592 Date: 01/04/2021  
Place: QUEZON CITY TIN: 106-351-490

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED  
ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

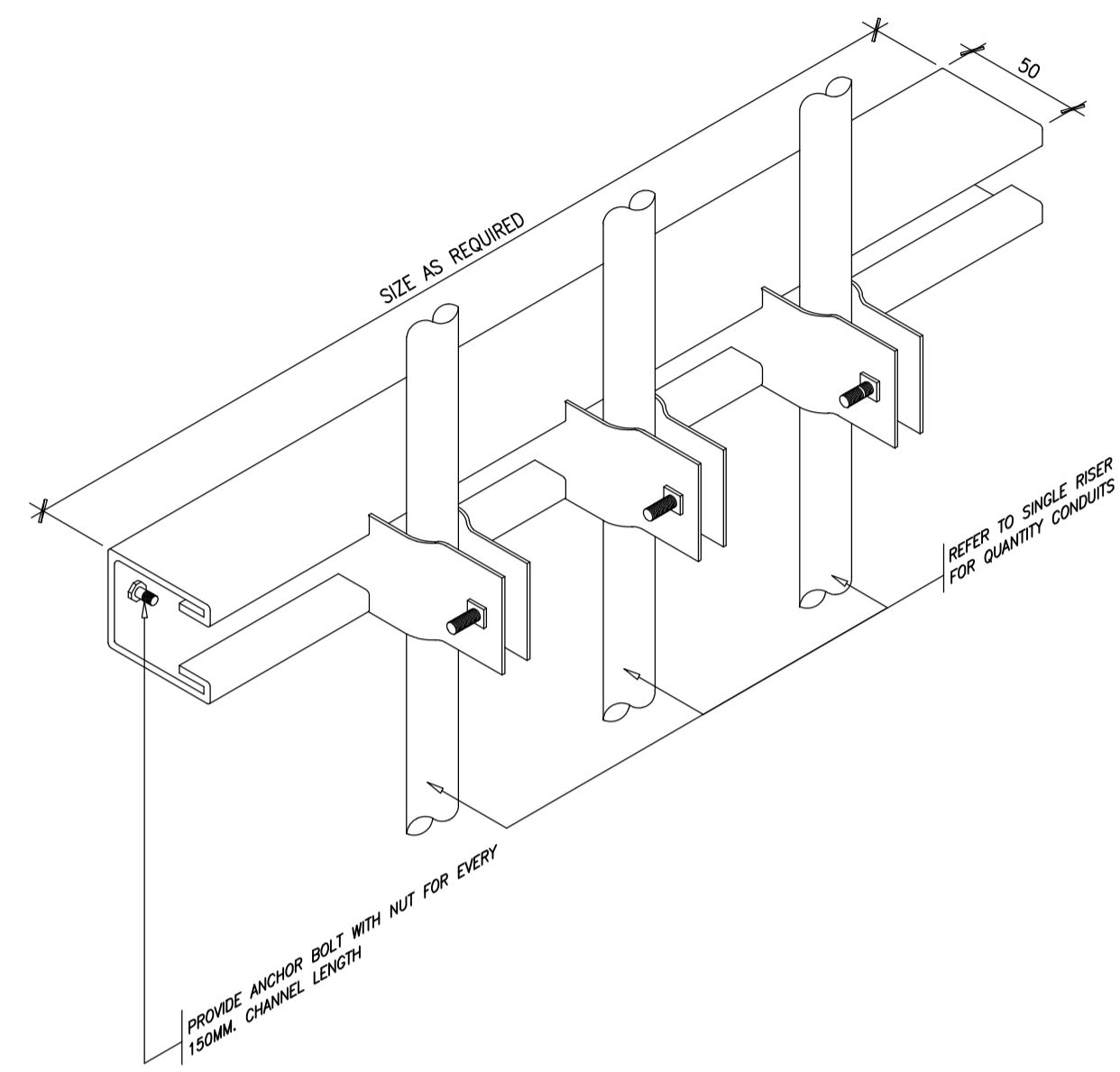
APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
MISCELLANEOUS DETAILS-1

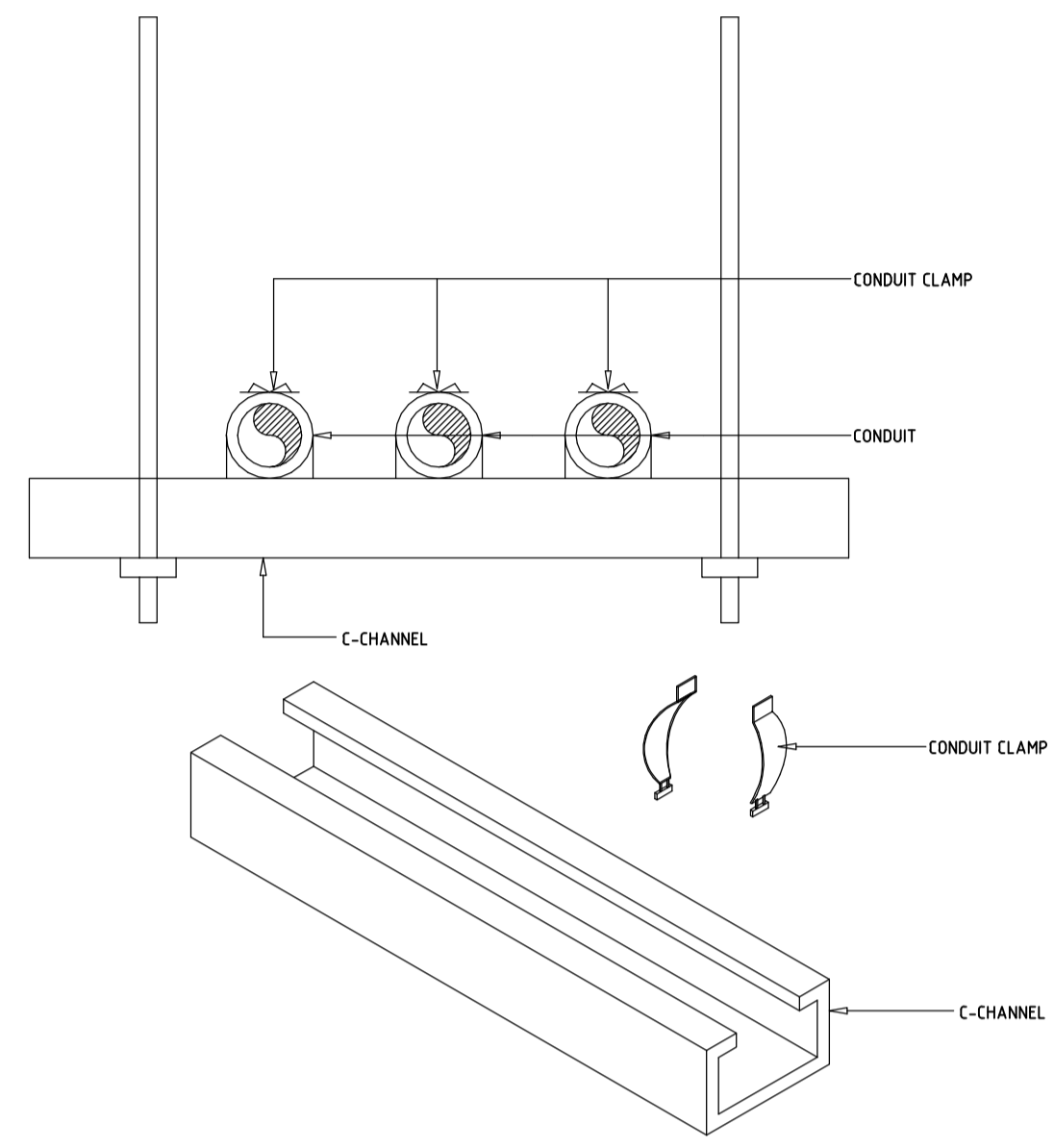
SHEET NO:  
**EC  
4.1 04**



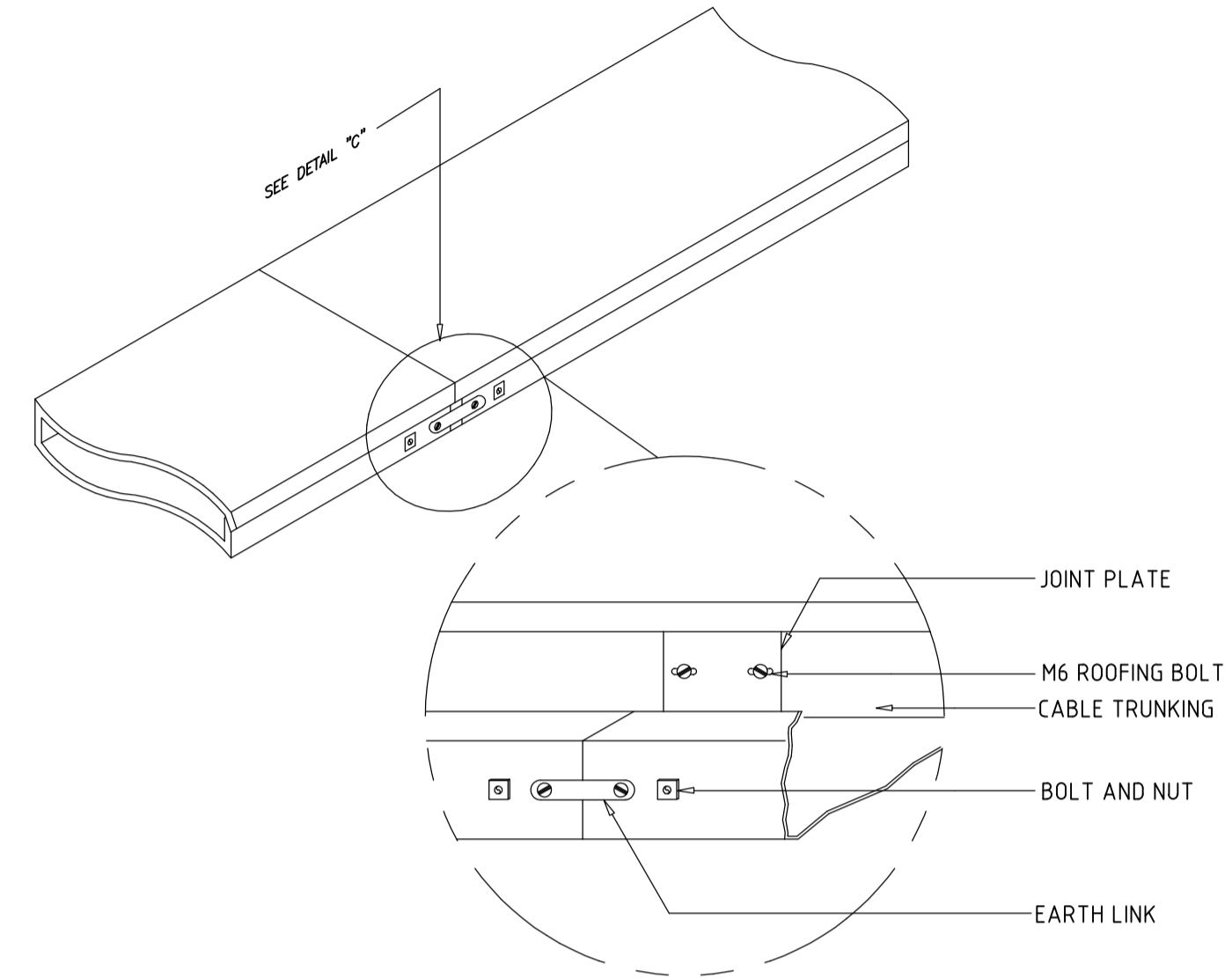
GENERAL NOTES: REFERENCE FOR ROUGHING-INS



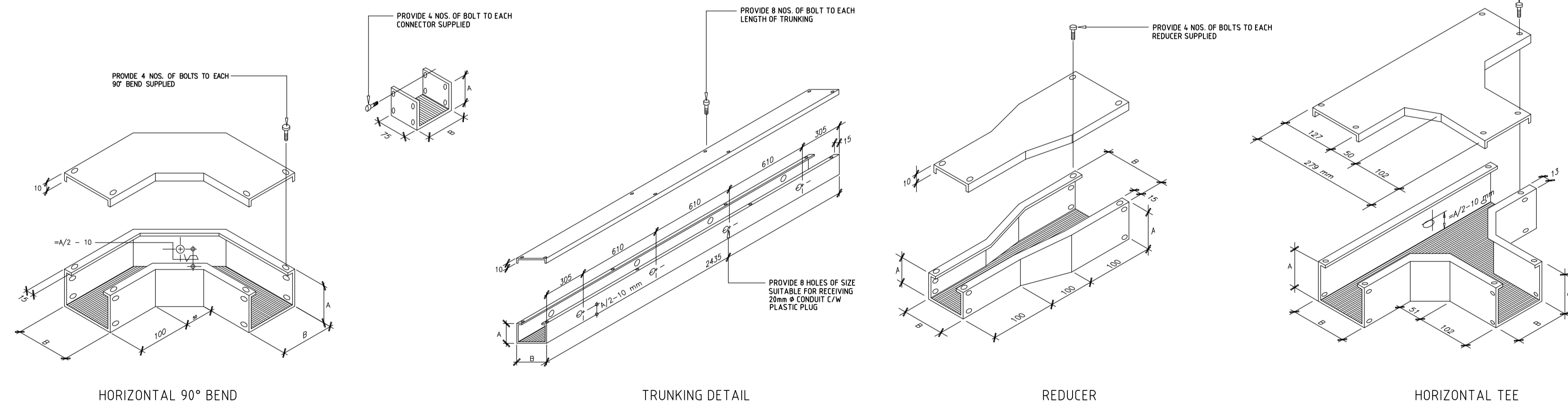
**1** TELECOMS TYPICAL  
CONDUIT RISER DETAIL  
EC-4.2 SCALE: N.T.S.



**2** TELECOMS TYPICAL  
CONDUIT SUPPORT DETAIL  
EC-4.2 SCALE: N.T.S.



**3** TELECOMS TYPICAL  
CABLE TRUNKING DETAIL  
EC-4.2 SCALE: N.T.S.



**4** FDAS HEAT/SMOKE MOUNTING DETAILS  
CABLE TRUNKING AND CONDUIT SUPPORT DETAIL  
EC-4.2 SCALE: N.T.S.

**ENRIQUE O. OLANAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LORONGA HEIGHTS,  
QUEZON CITY, 1108  
TEL NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

DESIGNER:	
<b>EFREN T. PINEDA</b> PROFESSIONAL ELECTRONICS ENGINEER	
PRC No. 0000494	Validity: 12/13/2022
PTR No. 0703592	Date: 01/04/2021
Place: QUEZON CITY	TIN: 106-351-490

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:	<b>PROPOSED ACADEMIC BUILDING II</b>
LOCATION:	Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:

**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:

**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:

MISCELLANEOUS DETAILS-2

SHEET NO:

EC

4.2 04



GENERAL NOTES: REFERENCE FOR ROUGHING-INS

<p><b>1</b> TELECOMS TYPICAL CABLE TRAY SUSPENDED FROM CEILING SLAB EC-4.3 SCALE: N.T.S.</p>	<p><b>3</b> TELECOMS TYPICAL CABLE TRAY WITH CHANGE OF ELEVATION EC-4.3 SCALE: N.T.S.</p>	<p><b>4</b> TELECOMS TYPICAL CABLE TRAY WITH WALL-MOUNT SUPPORT EC-4.3 SCALE: N.T.S.</p>	<p><b>5</b> TELECOMS TYPICAL CABLE TRAY CABLE DROP-OFF EC-4.3 SCALE: N.T.S.</p>
<p><b>2</b> TELECOMS TYPICAL CABLE TRAY WITH WALL-MOUNT SUPPORT EC-4.3 SCALE: N.T.S.</p>	<p><b>6</b> TELECOMS TYPICAL CABLE TRAY ACCESSORIES DETAILS EC-4.3 SCALE: N.T.S.</p>	<p><b>7</b> TELECOMS TYPICAL CABLE TRAY EXPANSION CONNECTION DETAILS EC-4.3 SCALE: N.T.S.</p>	<p><b>8</b> TELECOMS TYPICAL CABLE TRAY WALL-MOUNT INSTALLATION EC-4.3 SCALE: N.T.S.</p>

**ENRIQUE O. OLANAN & ASSOCIATES**  
ARCHITECTS ENGINEERS CONSULTANTS  
IN JOINT VENTURE WITH  
**ENRIQUE O. OLANAN & ASSOCIATES, CO.**  
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305  
XAVIERVILLE SQUARE  
CONDOMINIUM  
NO. 38 XAVIERVILLE  
AVENUE, LAYUNGA HEIGHTS,  
QUEZON CITY, 1108  
TEL. NOS: 426 7009;  
426 90244  
FAX NOS: 927 0608;  
426 7214

DESIGNER:  
**EFREN T. PINEDA**  
PROFESSIONAL ELECTRONICS ENGINEER

PRC No. 0000494 Validity: 12/13/2022  
PTR No. 0703592 Date: 01/04/2021  
Place: QUEZON CITY TIN: 106-351-490

REPUBLIC ACT 9266  
DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:  
**PROPOSED ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:  
  
REPUBLIC OF THE PHILIPPINES  
PHILIPPINE SCIENCE HIGH SCHOOL -  
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:  
**MERIAM F. FALLAR**  
FAD CHIEF

APPROVED BY:  
**EDWARD C. ALBARACIN**  
CAMPUS DIRECTOR

SHEET CONTENTS:  
MISCELLANEOUS DETAILS-3

SHEET NO:  
**EC 4.3 04**