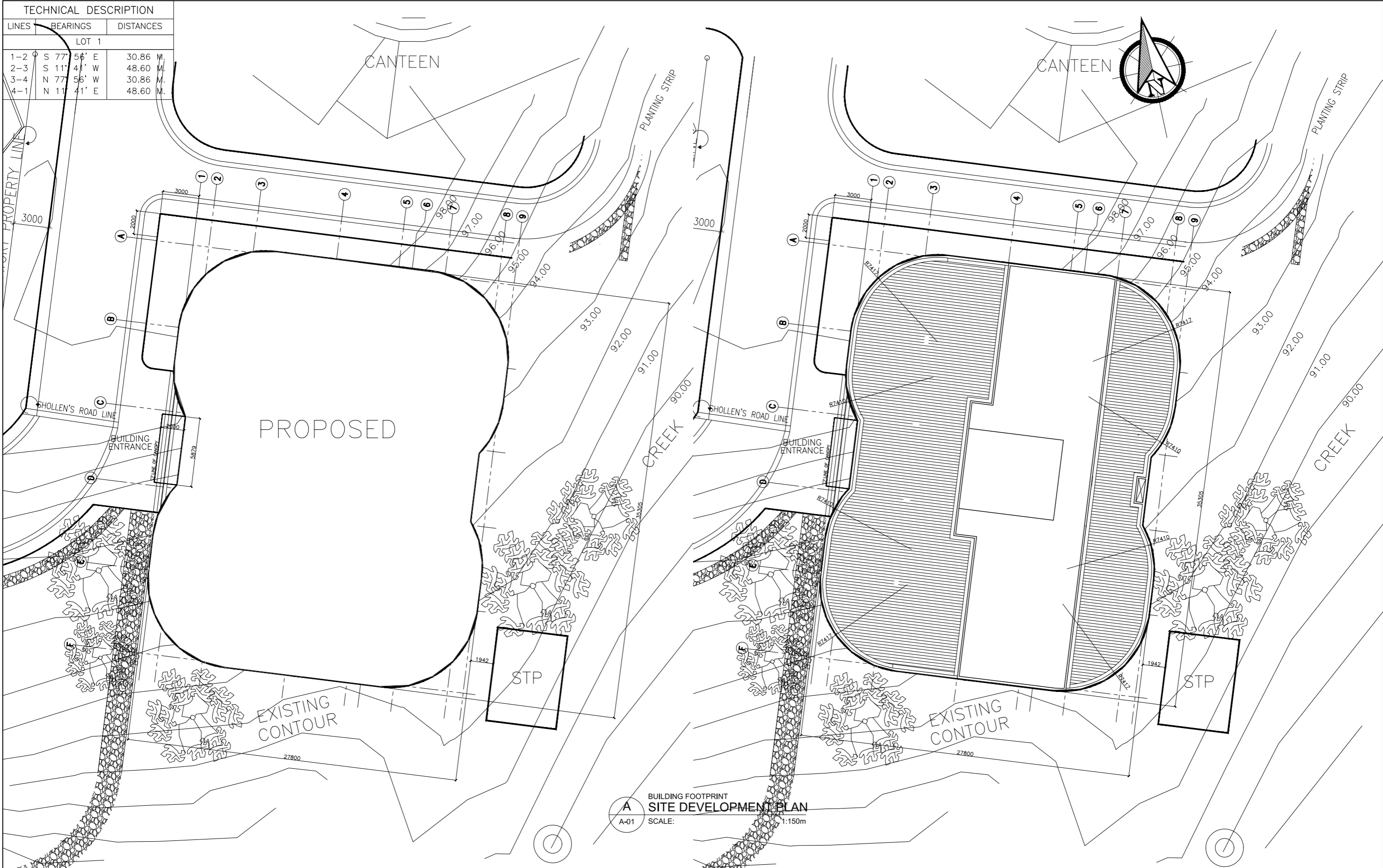


| TECHNICAL DESCRIPTION | | |
|-----------------------|-------------|-----------|
| LINES | BEARINGS | DISTANCES |
| LOT 1 | | |
| 1-2 | S 77° 56' E | 30.86 M. |
| 2-3 | S 11° 41' W | 48.60 M. |
| 3-4 | N 77° 56' W | 30.86 M. |
| 4-1 | N 11° 41' E | 48.60 M. |



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

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. LONVOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 3003-04
 FAX NOS: 427 6608;
 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

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

DESIGNED FOR:

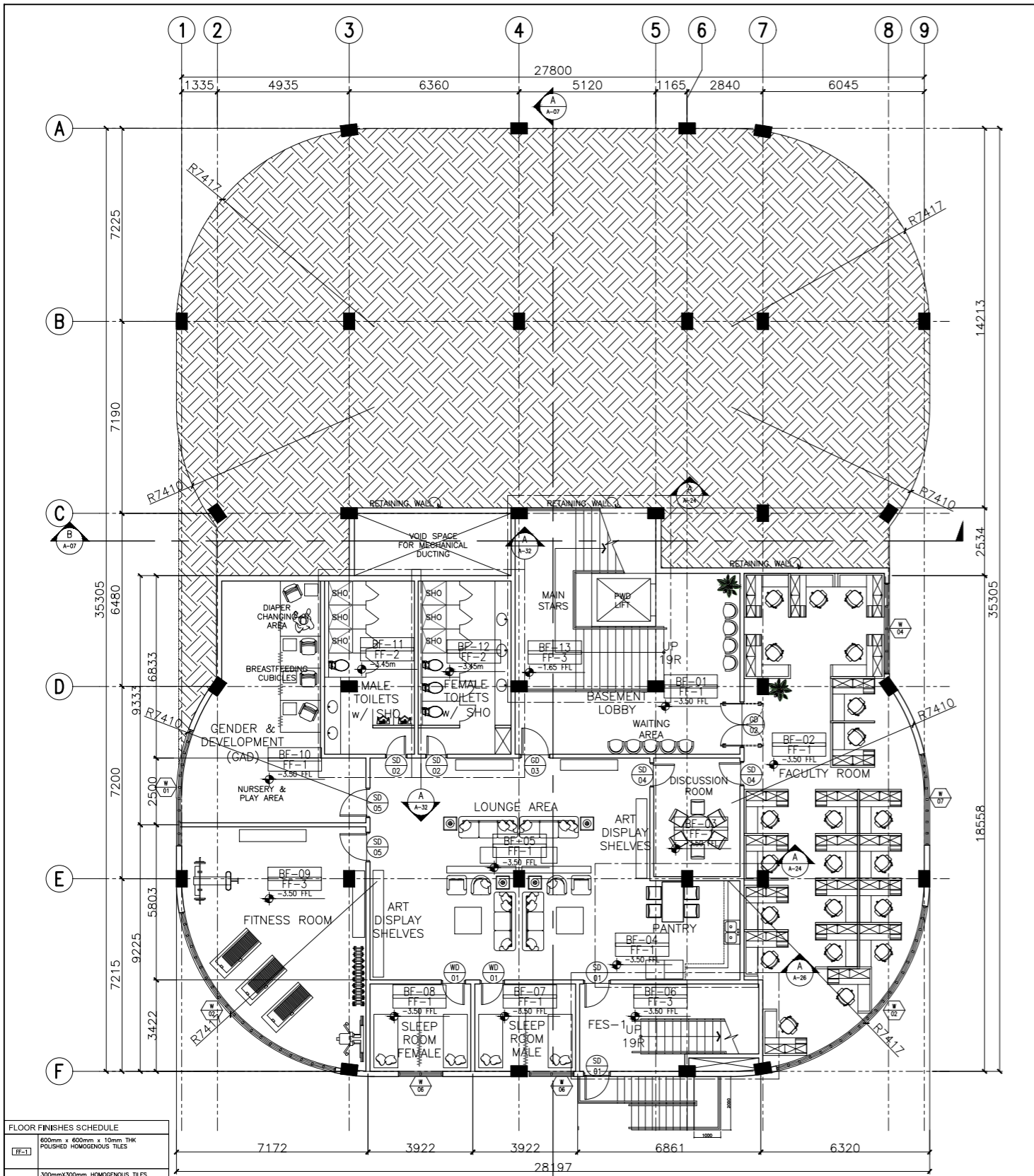
 REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

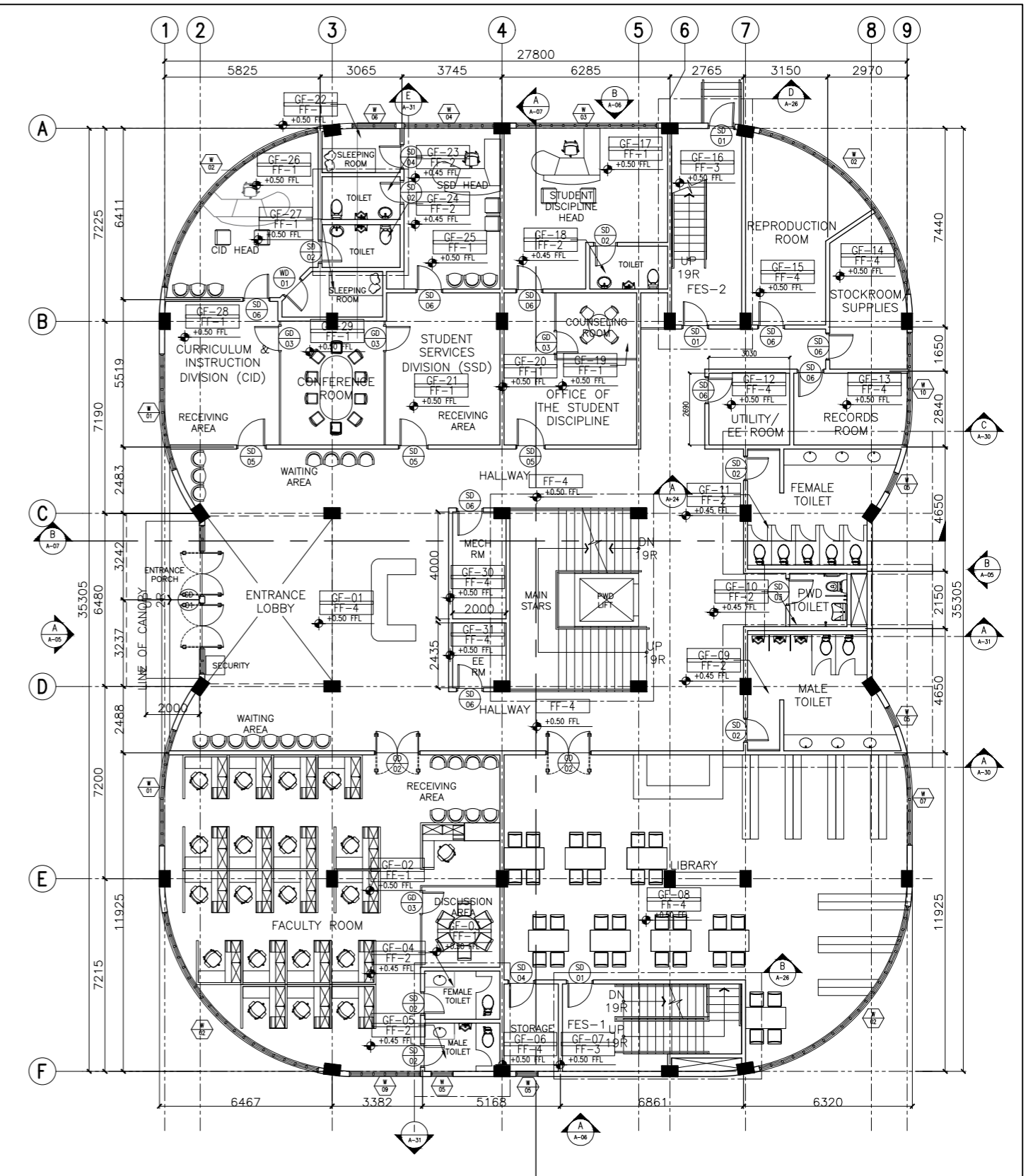
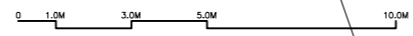
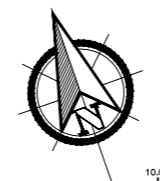
SHEET CONTENTS:
 SITE DEVELOPMENT PLAN

SHEET NO:
A
 01 | 37

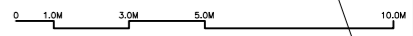
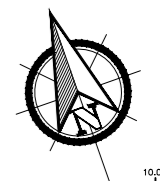


| FLOOR FINISHES SCHEDULE | |
|-------------------------|--|
| FF-1 | 600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES |
| FF-2 | 300mmx300mm HOMOGENOUS TILES (NON-SKID) |
| FF-3 | 50mm THK SMOOTH FINISH CONCRETE TOPPING WITH FLEXIBLE EPOXY PAINT FINISH |
| FF-4 | 50mm THK SMOOTH FINISH CONCRETE TOPPING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

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
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108
 TEL. NOS.: 431 7009, 431 3024
 FAX NOS.: 927 8606, 431 7214

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

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PROJECT:
PROPOSED ACADEMIC BUILDING II

LOCATION: Brgy. Rizal, Odiongan, Romblon

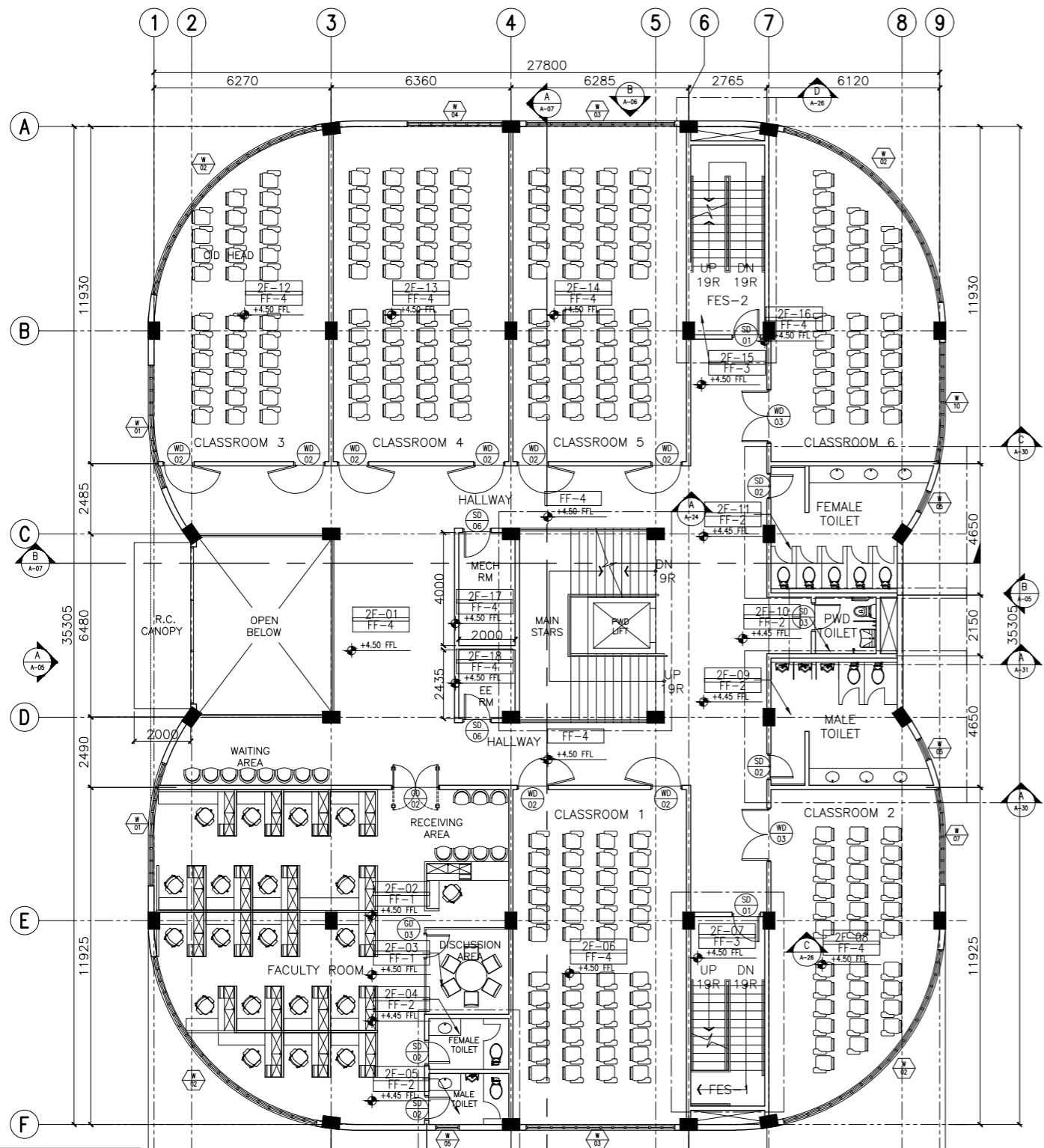
DESIGNED FOR:

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

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

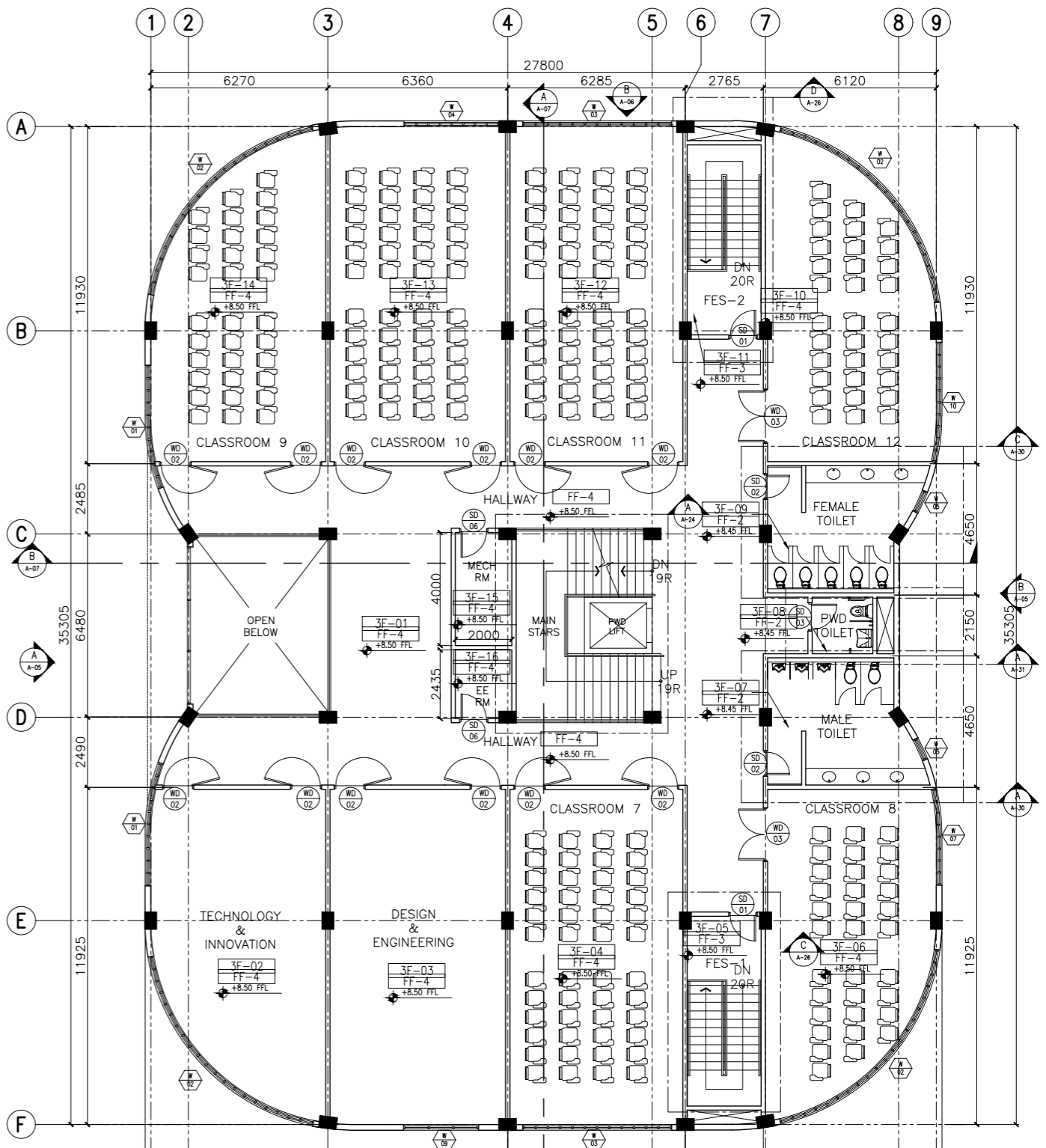
APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 BASEMENT FLOOR PLAN
 GROUND FLOOR PLAN

SHEET NO:
A
 02 37



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



B
ACADEMIC BUILDING II
THIRD FLOOR PLAN
A-03 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 |

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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 30244
FAX NOS.: 922 6608;
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

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

DESIGNED FOR:

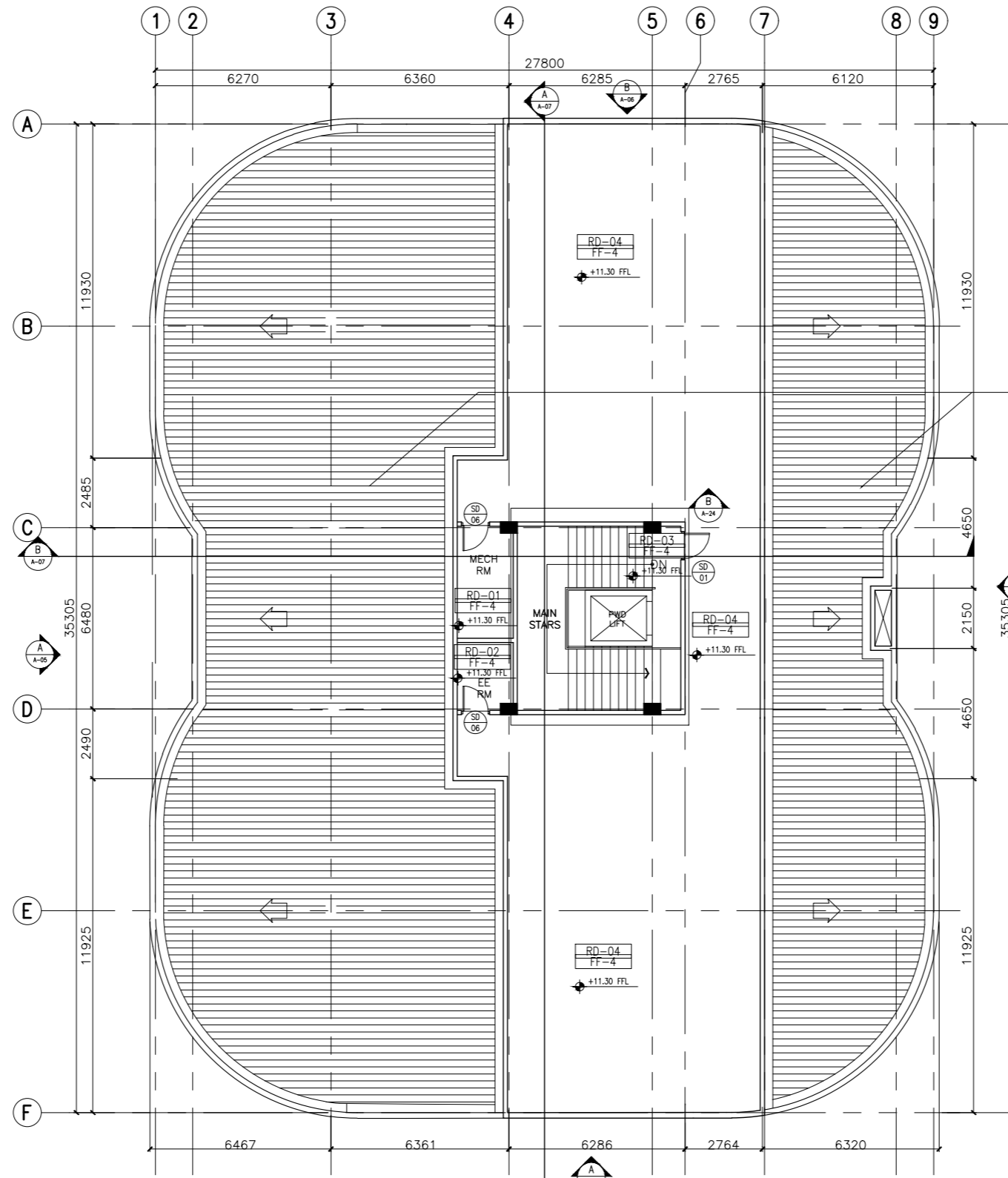
REPUBLIC OF THE PHILIPPINES
PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

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
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

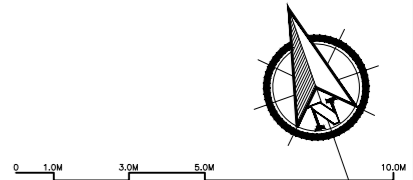
FLOOR FINISHES SCHEDULE

| | |
|------|--|
| 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



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 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305
 XAVIERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVIERVILLE
 AVE. LONVOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 3000-01
 FAX NOS: 927 8608;
 426 7214

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

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

DESIGNED FOR:

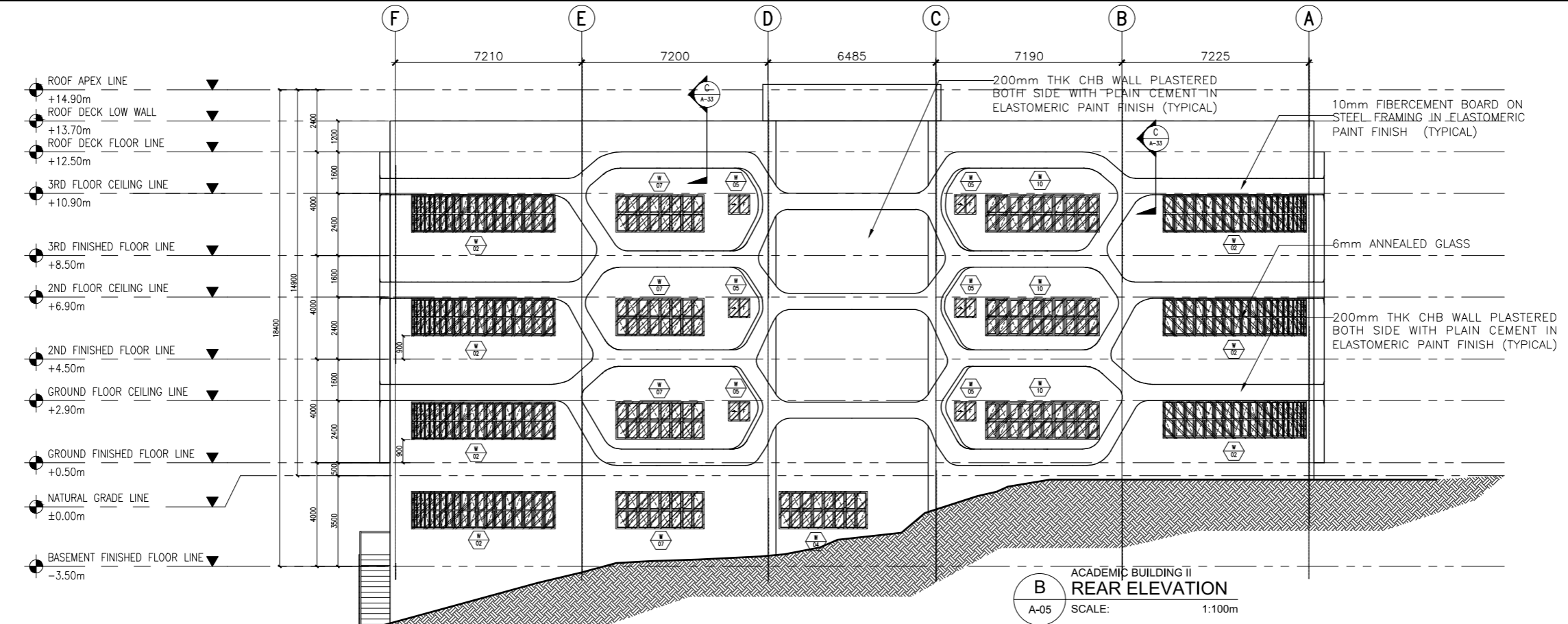
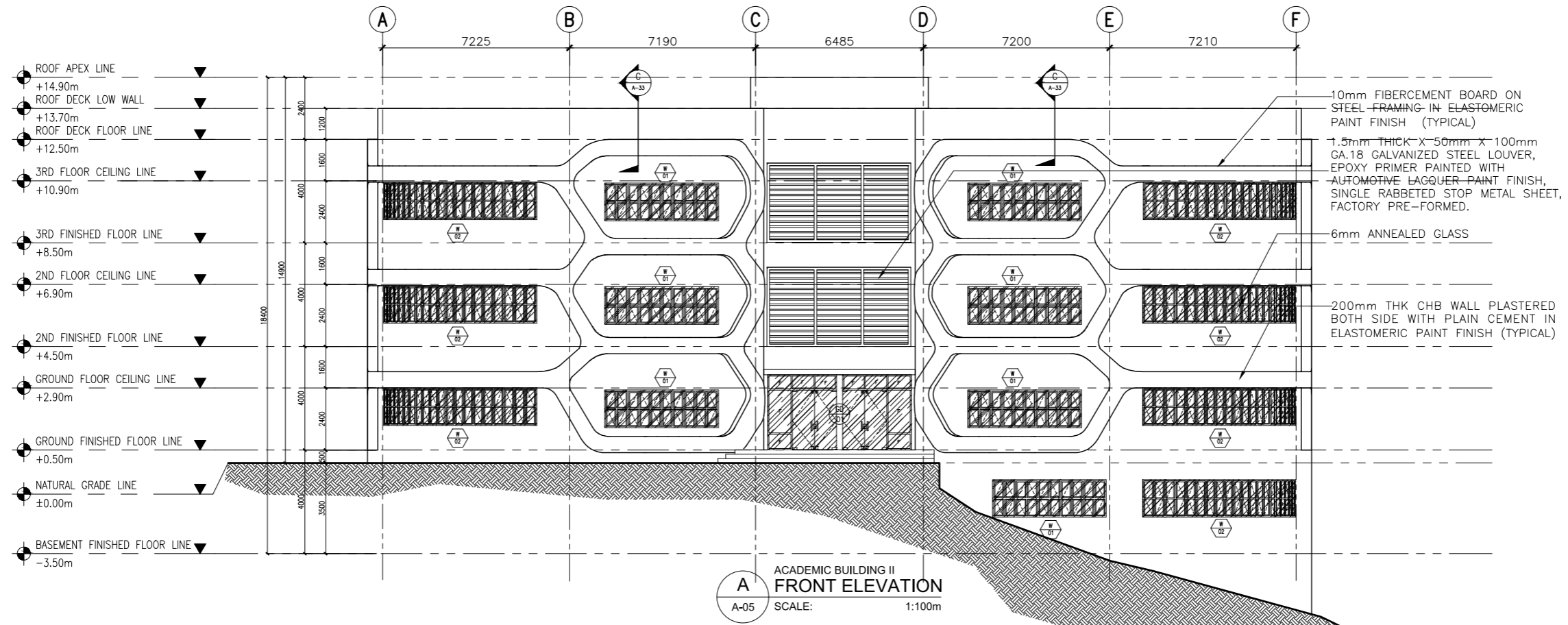
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 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 ROOF DECK PLAN

SHEET NO:
A
 04 37

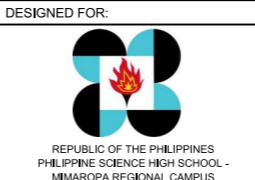


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 ARCHITECTS ENGINEERS CONSULTANTS
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 ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT:
HENRY STEVE R. OLONAN
 ARCHITECT
 PTR No. 17726 Validity: 04/27/2024
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PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

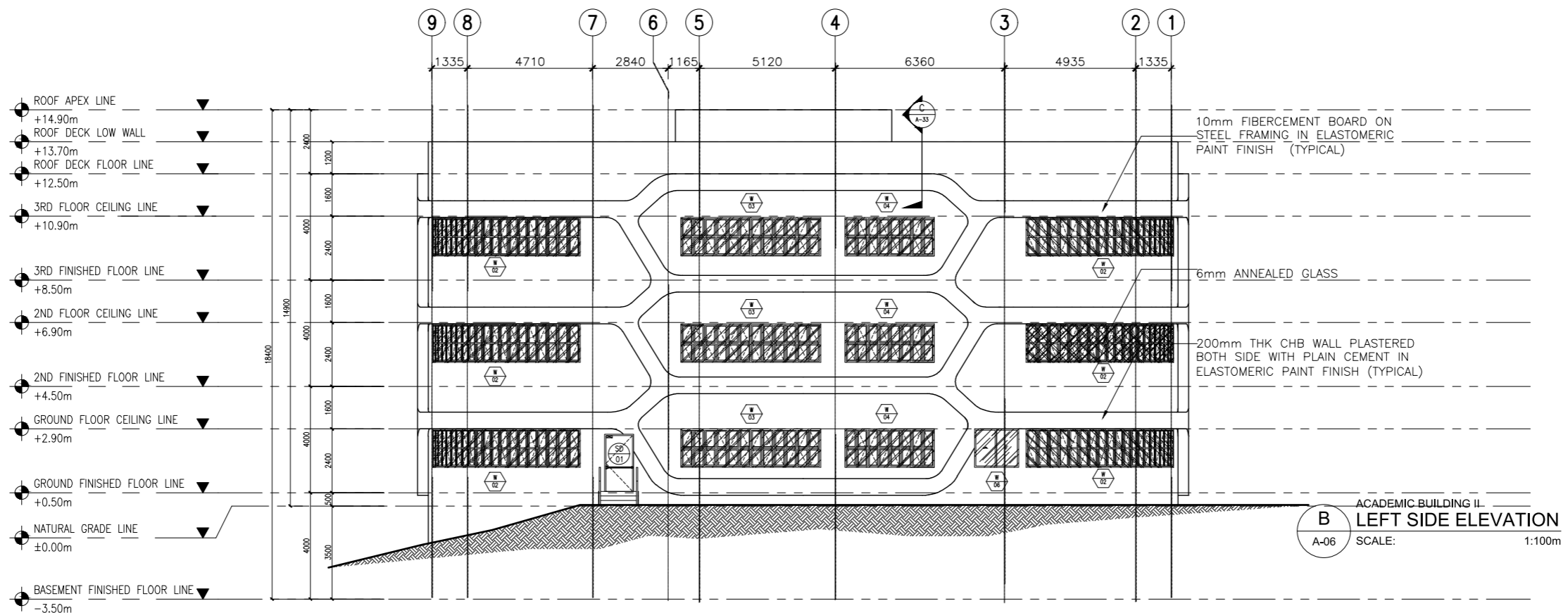
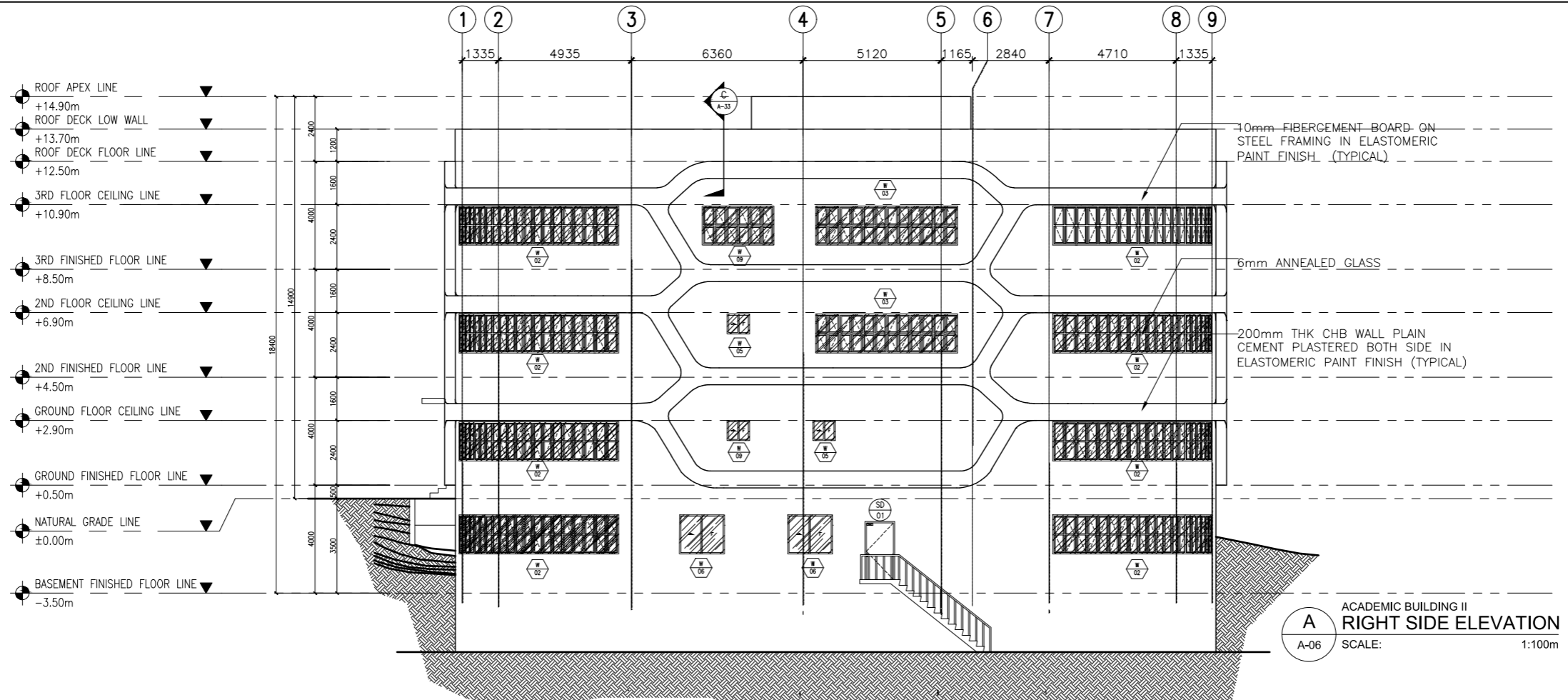


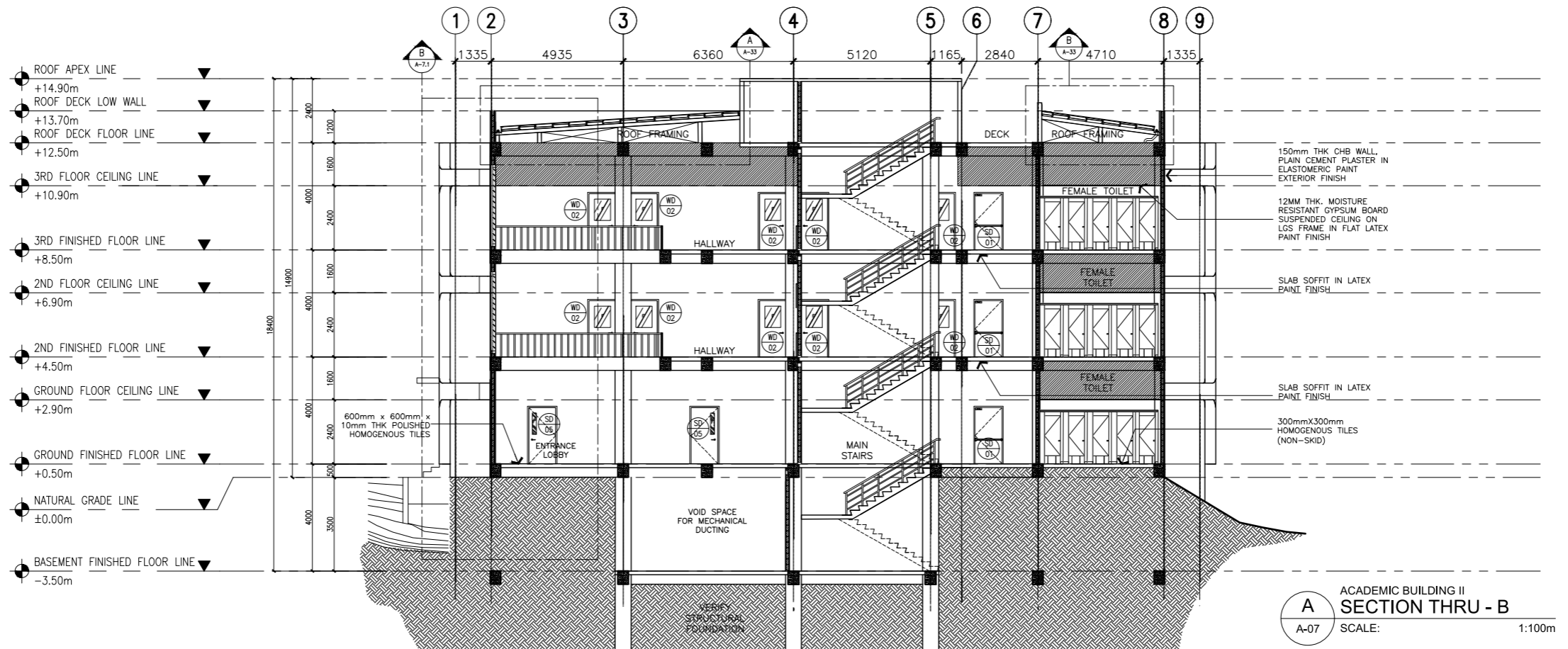
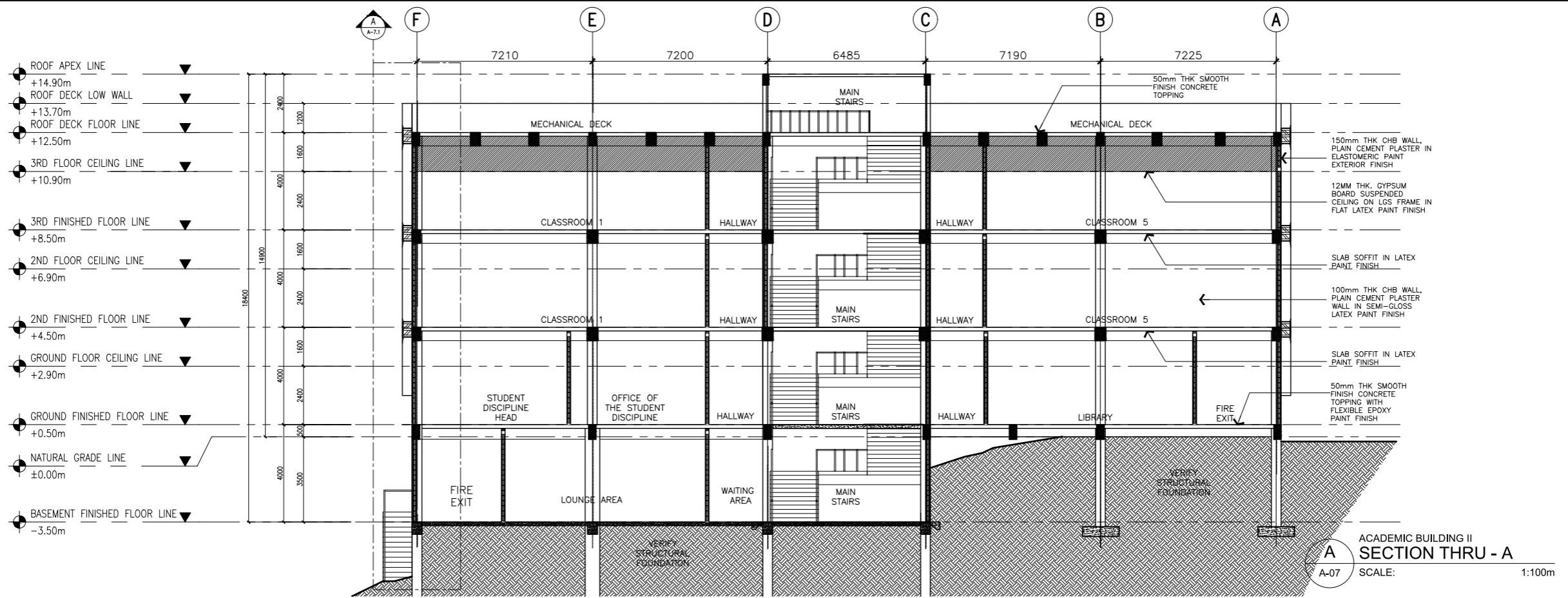
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 FRONT ELEVATION
 REAR ELEVATION

SHEET NO:
A
 05 37





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ARCHITECTS ENGINEERS CONSULTANTS
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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 6608;
426 7214

| | | |
|--------------------|---|--|
| ARCHITECT: | HENRY STEVE R. OLONAN ARCHITECT | |
| PRC No. 17726 | Validity: 04/27/2024 | |
| PTR No. 0732073 | Date: 01/11/2021 | |
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PROJECT:
**PROPOSED
ACADEMIC BUILDING II**
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

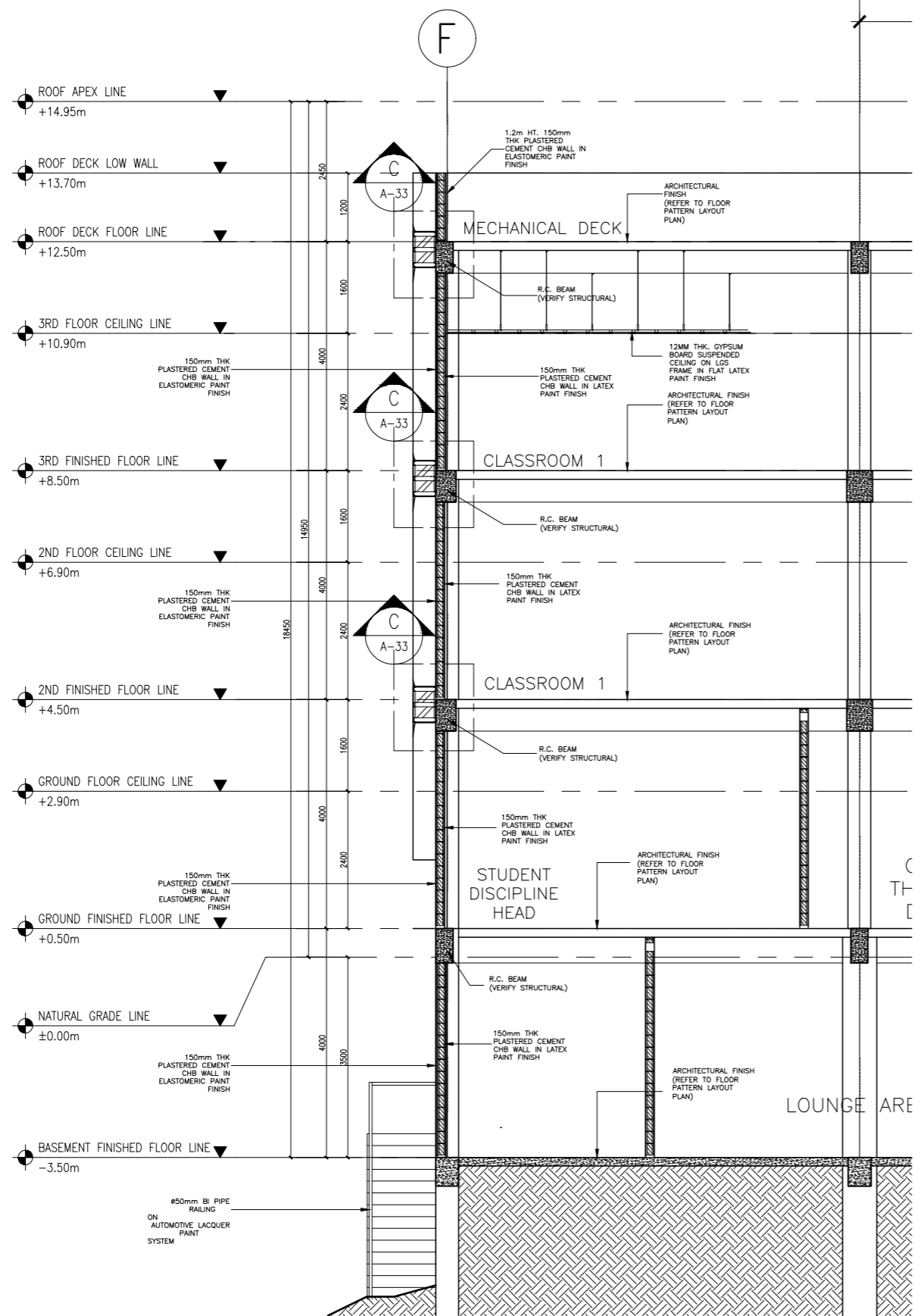
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PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

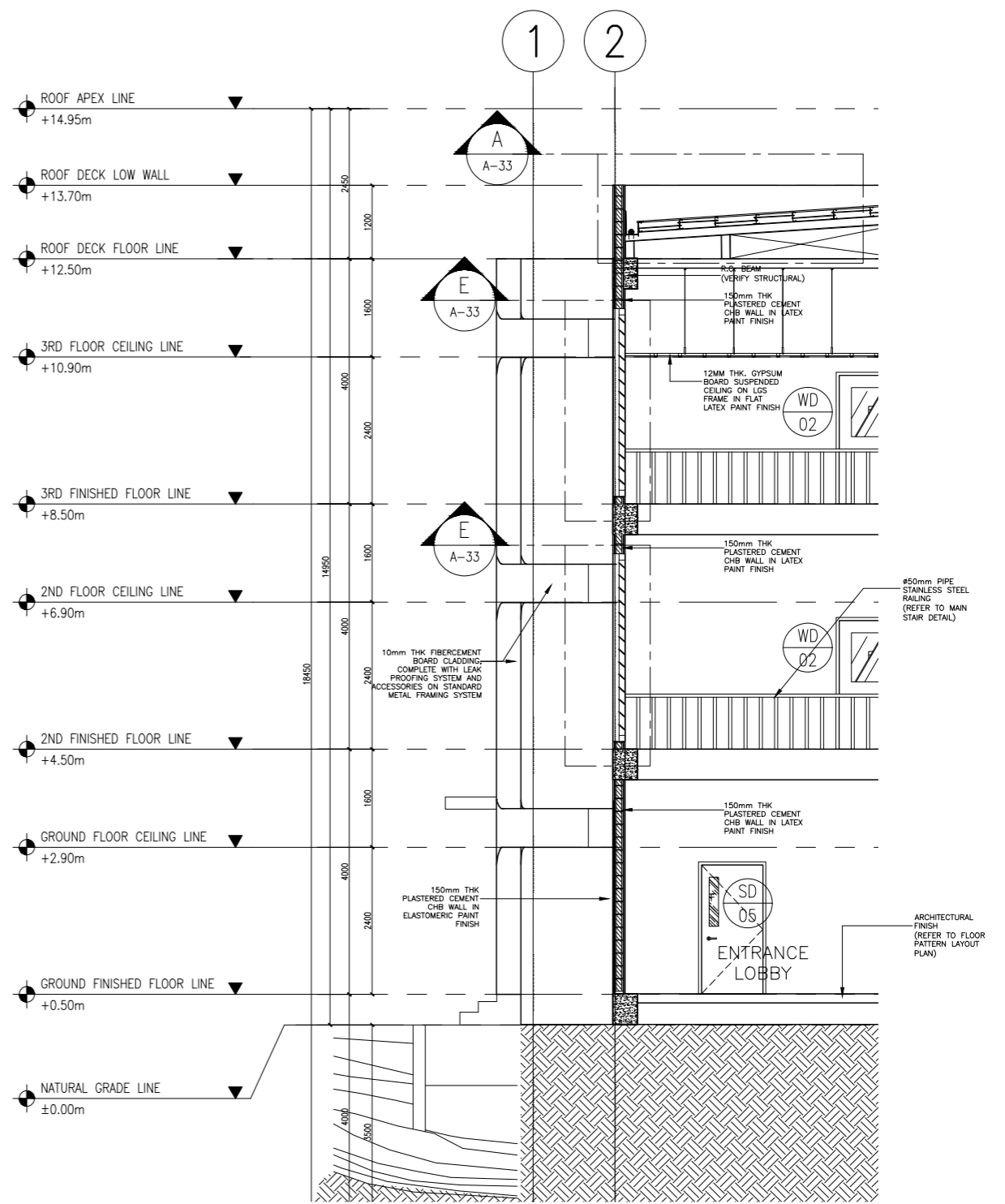
APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
SECTIONS

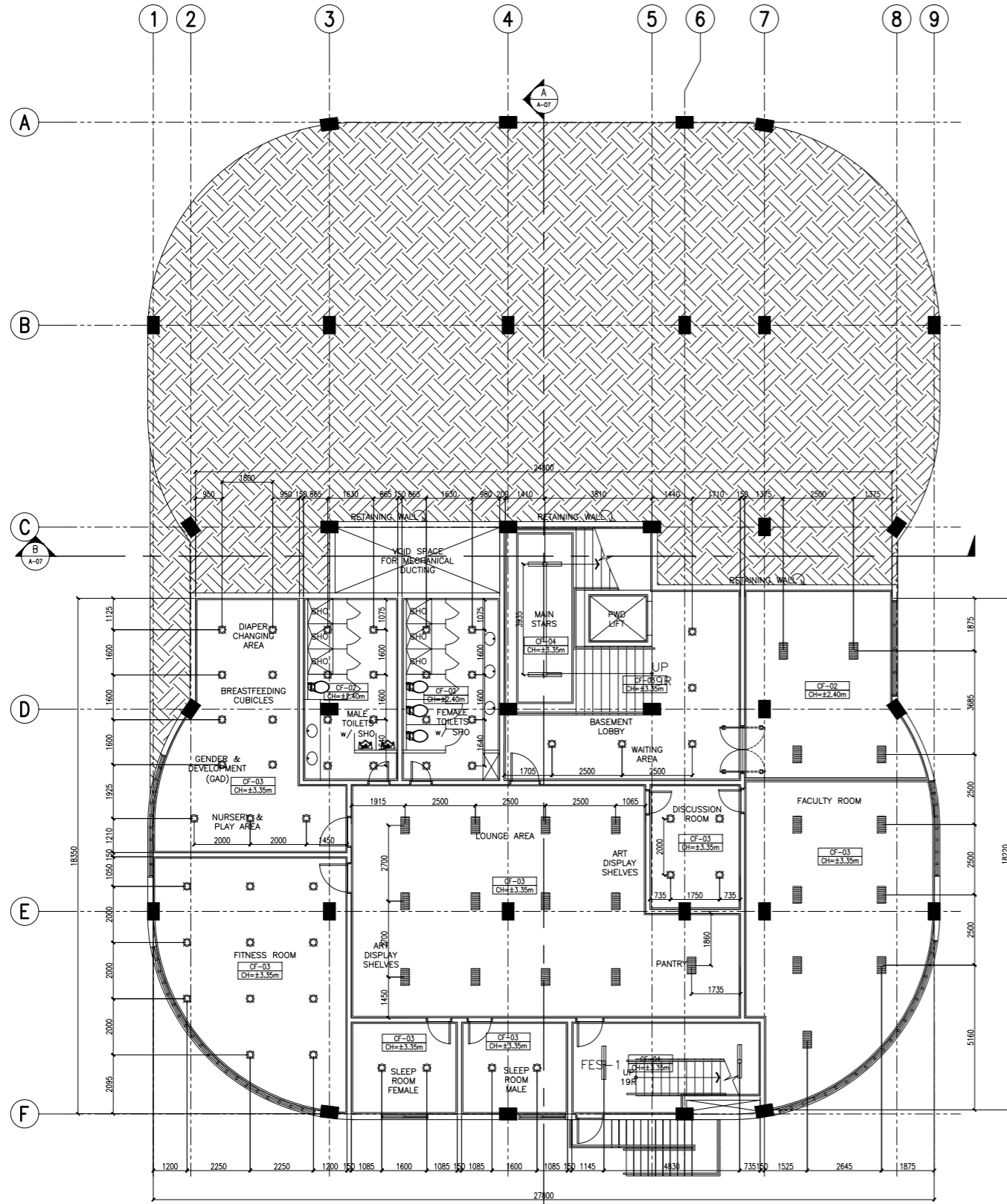
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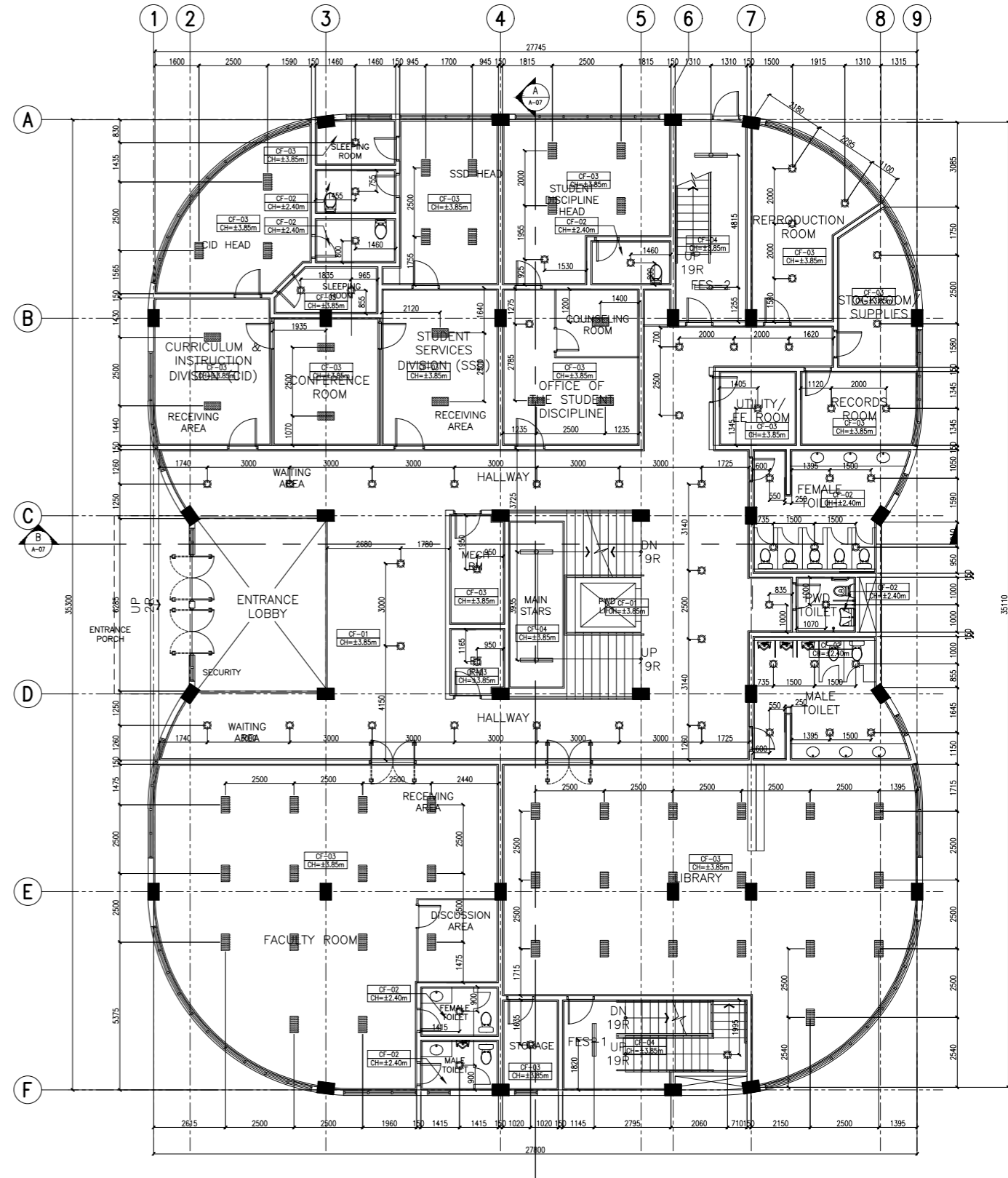
A
ACADEMIC BUILDING II
BAY SECTION A
A-07.1 SCALE: 1:50m



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 | |
|--------|--|
| | 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 |
| | 12mm THK GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX BASED PAINT FINISH |
| | 12mm THK MOISTURE RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH |
| | SLAB SOFFIT IN LATEX PAINT FINISH |
| | STAIR SOFFIT IN LATEX PAINT FINISH |
| | 150mm X 1.2m X 5mm PVC SPANDEREL CEILING PANELS ON STEEL FURRING FRAMING |

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SUITE 305
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
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 QUEZON CITY, 1108
 TEL. NOS.: 426 7006;
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ARCHITECT:
HENRY STEVE R. OLONAN
 ARCHITECT

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PROJECT:
**PROPOSED
 ACADEMIC BUILDING II**

DESIGNED FOR:

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 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

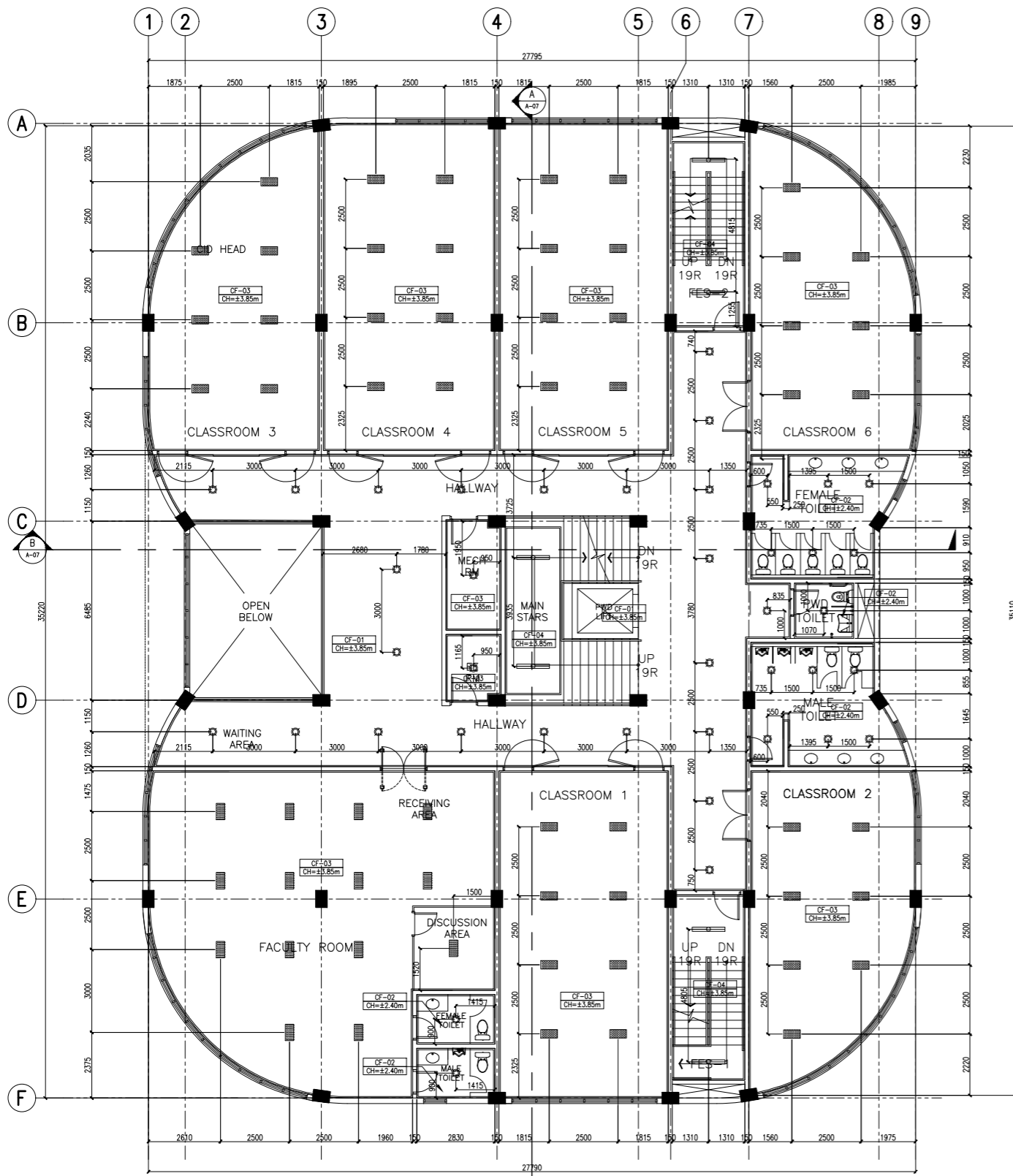
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

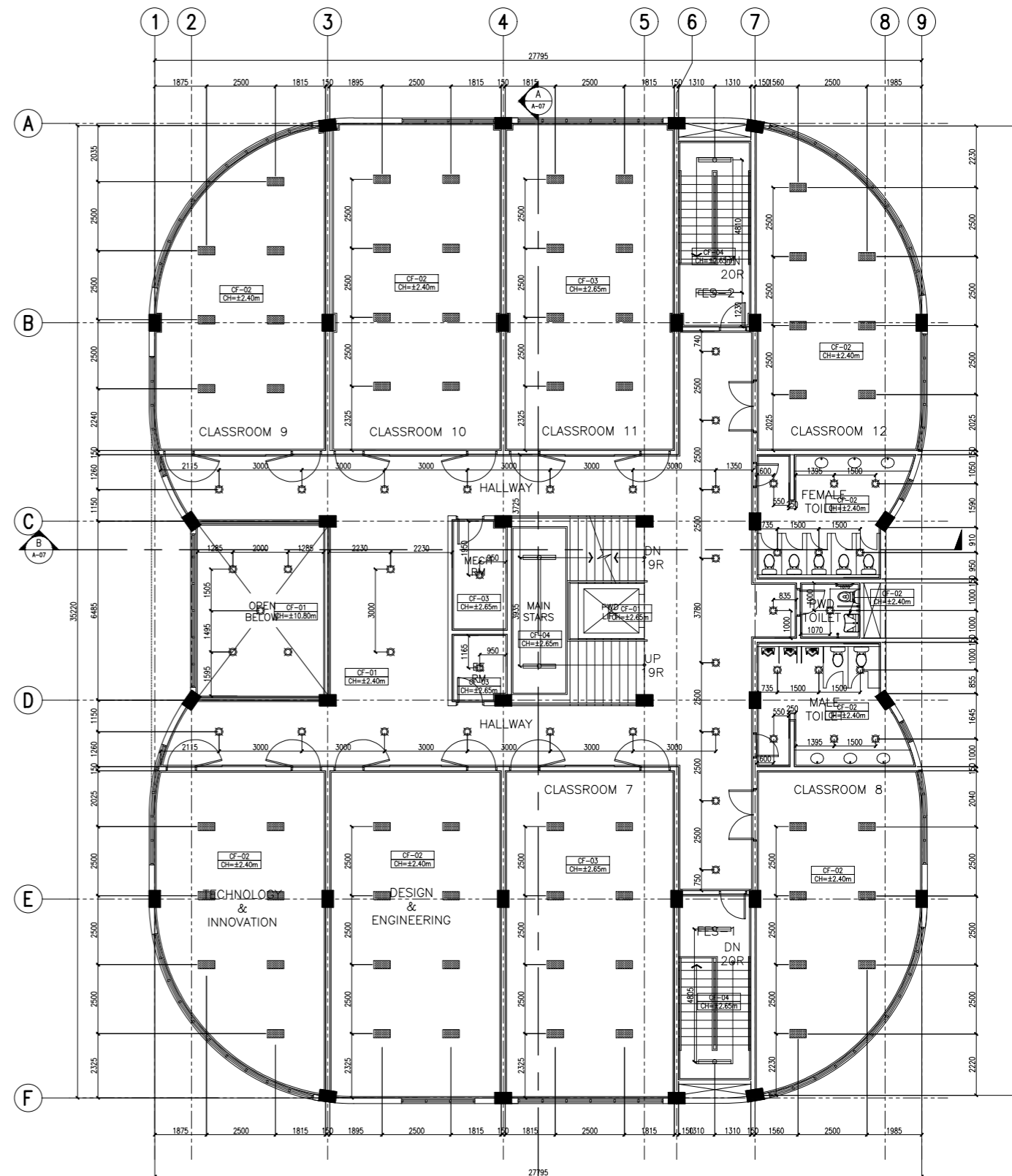
LOCATION: Brgy. Rizal, Odiongan, Romblon

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

SHEET NO:
A
 08 37



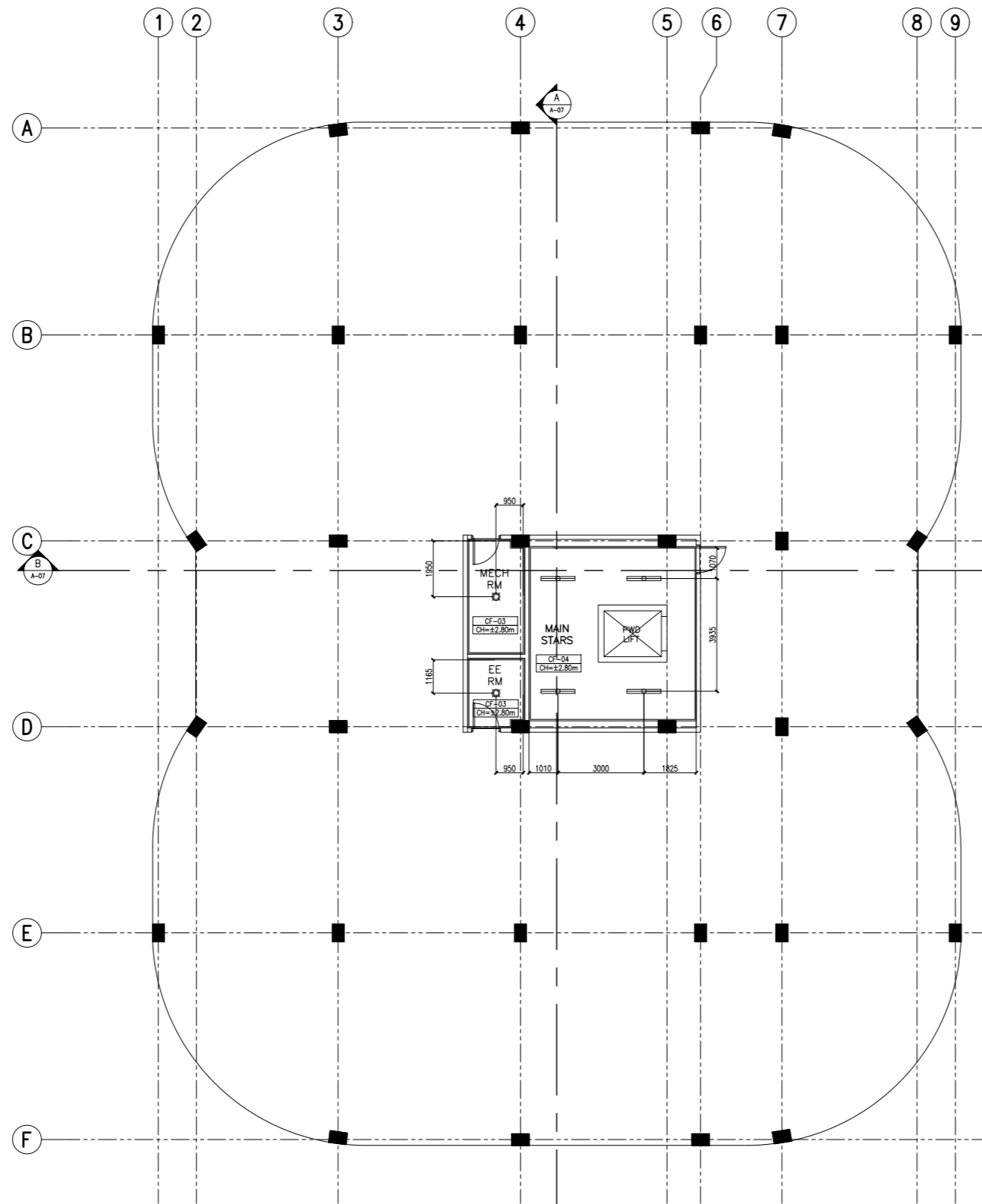
A ACADEMIC BUILDING II
SECOND FLOOR REFLECTED CEILING PLAN
 A-09 SCALE: 1:100m



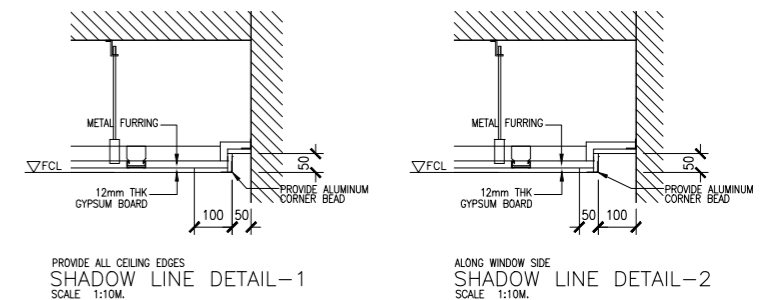
B ACADEMIC BUILDING II
THIRD FLOOR REFLECTED CEILING PLAN
 A-09 SCALE: 1:100m

| LEGEND | | |
|--------|---|---------|
| | 32 WATT, 2 PCS., FLUORESCENT DUSTPROOF LUMINAIRE LED LIGHT | [CF-01] |
| | 9 WATT, 2 PCS., FLUORESCENT LUMINAIRE LED LIGHT | [CF-02] |
| | 12 WATT, LED SQUARE DOWNLIGHT | [CF-03] |
| | 12 WATT, LED ROUND DOWNLIGHT | [CF-04] |
| | 9 WATT, 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 | 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: SECOND FLOOR REFLECTED CEILING PLAN THIRD FLOOR REFLECTED CEILING PLAN | SHEET NO: A 09 37 |
| | SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LORVAL HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 3010/44 FAX NOS: 927 6606; 426 7214 | | | | | | | |



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



PROVIDE ALL CEILING EDGES
SHADOW LINE DETAIL-1
 SCALE: 1:100M.

ALONG WINDOW SIDE
SHADOW LINE DETAIL-2
 SCALE: 1:100M.

B ACADEMIC BUILDING II
CEILING DETAILS
 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 |
| | 12mm THK GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX BASED PAINT FINISH |
| | 12mm THK MOISTURE RESISTANT GYPSUM BOARD ON STEEL FURRING FRAMING IN FLAT LATEX PAINT FINISH |
| | SLAB SOFFIT IN LATEX PAINT FINISH |
| | STAIR SOFFIT IN LATEX PAINT FINISH |
| | 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
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS.: 426 7009;
 426 3024
 FAX NOS.: 927 0608;
 426 7214

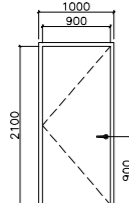
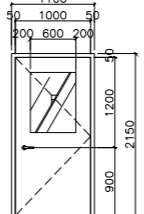
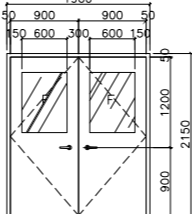
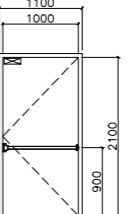
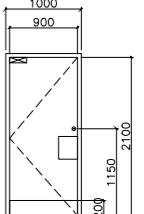
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|---|----------------------|
| ARCHITECT: HENRY STEVE R. OLONAN ARCHITECT | |
| PRC No. 17726 | Validity: 04/27/2024 |
| PTR No. 0732073 | Date: 01/11/2021 |
| Place: QUEZON CITY | TIN: 106186110 |

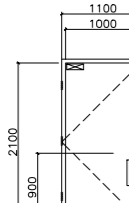
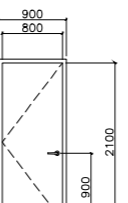
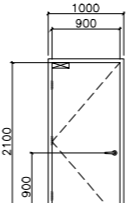
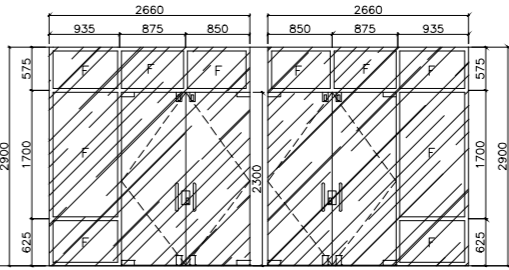
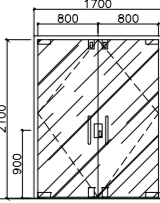
REPUBLIC ACT 9266
 DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENT OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE 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.




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

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| RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF |
| APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR |

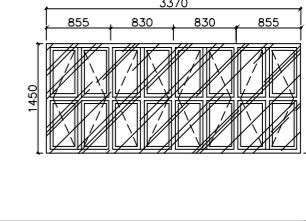
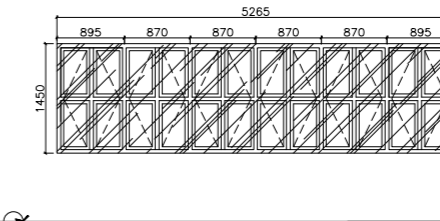
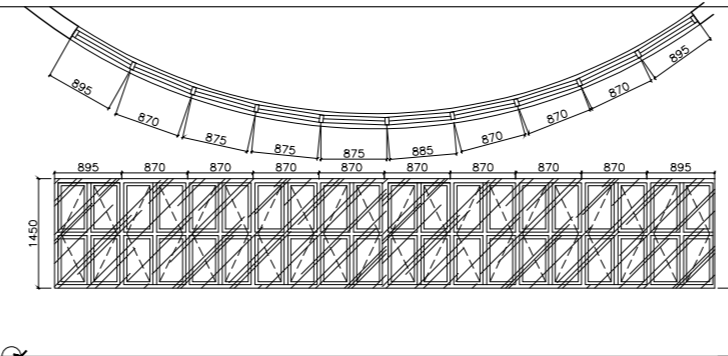
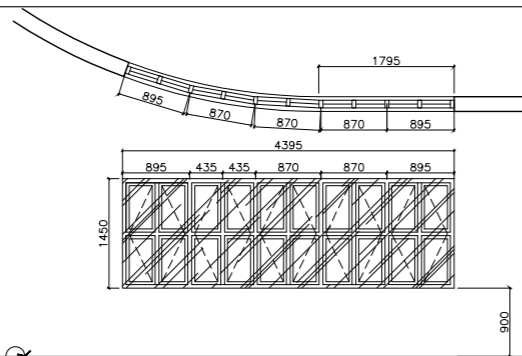
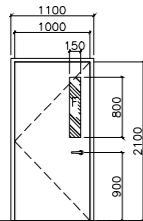
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| SHEET CONTENTS: ROOF DECK REFLECTED CEILING PLAN | SHEET NO: A 10 37 |
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|  |  |  |  |  |
| DOOR TAG: WD 01 | DOOR TAG: WD 02 | DOOR TAG: WD 03 | DOOR TAG: SD 01 | DOOR TAG: SD 02 |
| LOCATION: SLEEPING 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. |

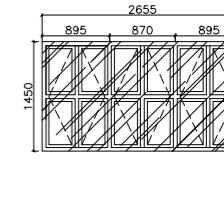
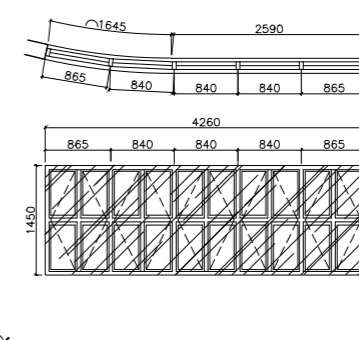
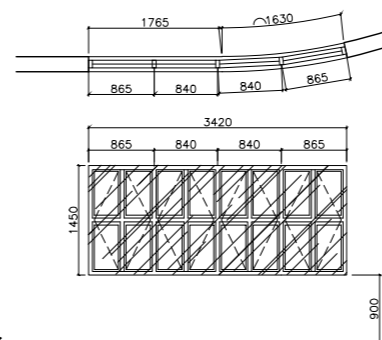
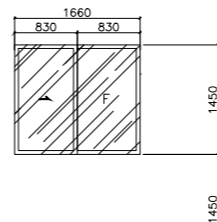
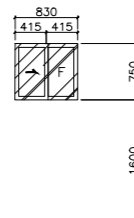
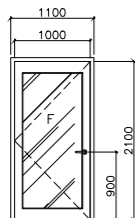
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|  |  |  |  |  |
| DOOR TAG: SD 03 | DOOR TAG: SD 04 | DOOR TAG: SD 06 | DOOR TAG: GD 01 | DOOR TAG: GD 02 |
| LOCATION: PWD TOILETS | LOCATION: STORAGES | LOCATION: UTILITY ROOMS, EE ROOMS, MECHANICAL ROOMS | LOCATION: MAIN DOOR | LOCATION: FACULTY 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. |

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|  ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE. LORVAL HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 30234 FAX NOS: 927 6608; 426 7214  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 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: SCHEDULE OF DOORS AND WINDOWS | SHEET NO: A 11 37 |
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NOTE: ALL WINDOWS WILL HAVE A TUBULAR STEEL GRILLS WITH 300mm SPACING



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|-------------|---|-------------|--|-------------|---|-------------|---|-------------|---|
| 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. |



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| 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. | 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. | | |

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ARCHITECTS ENGINEERS CONSULTANTS
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ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305
XAVIERVILLE SQUARE
CONDOMINIUM
NO. 38 XAVIERVILLE
AVE., LOROLA HEIGHTS,
QUEZON CITY, 1108
TEL. NOS: 426 7009;
426 3022-04
FAX NOS: 927 8608;
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

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PROJECT:
PROPOSED ACADEMIC BUILDING II

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

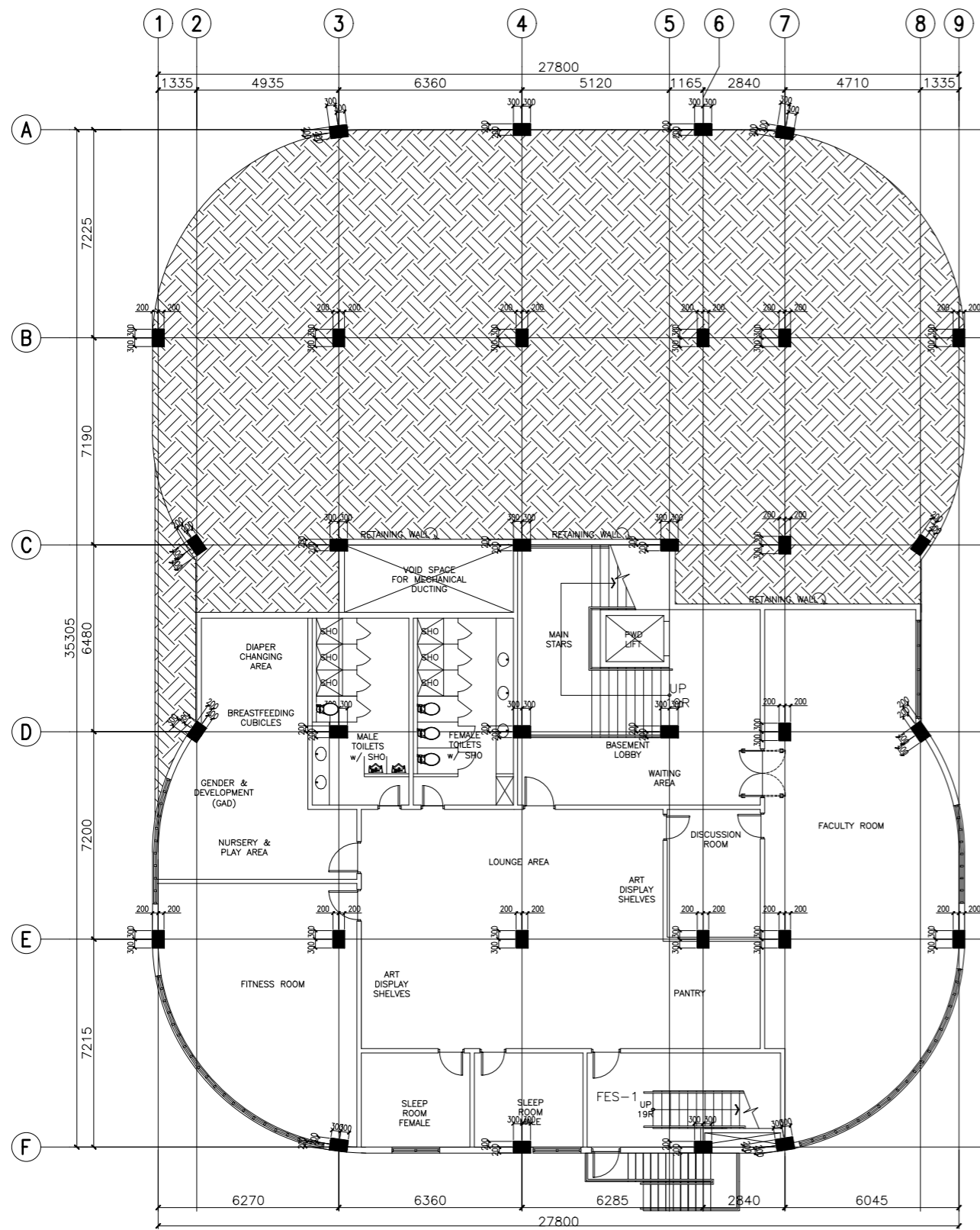
REPUBLIC OF THE PHILIPPINES
PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

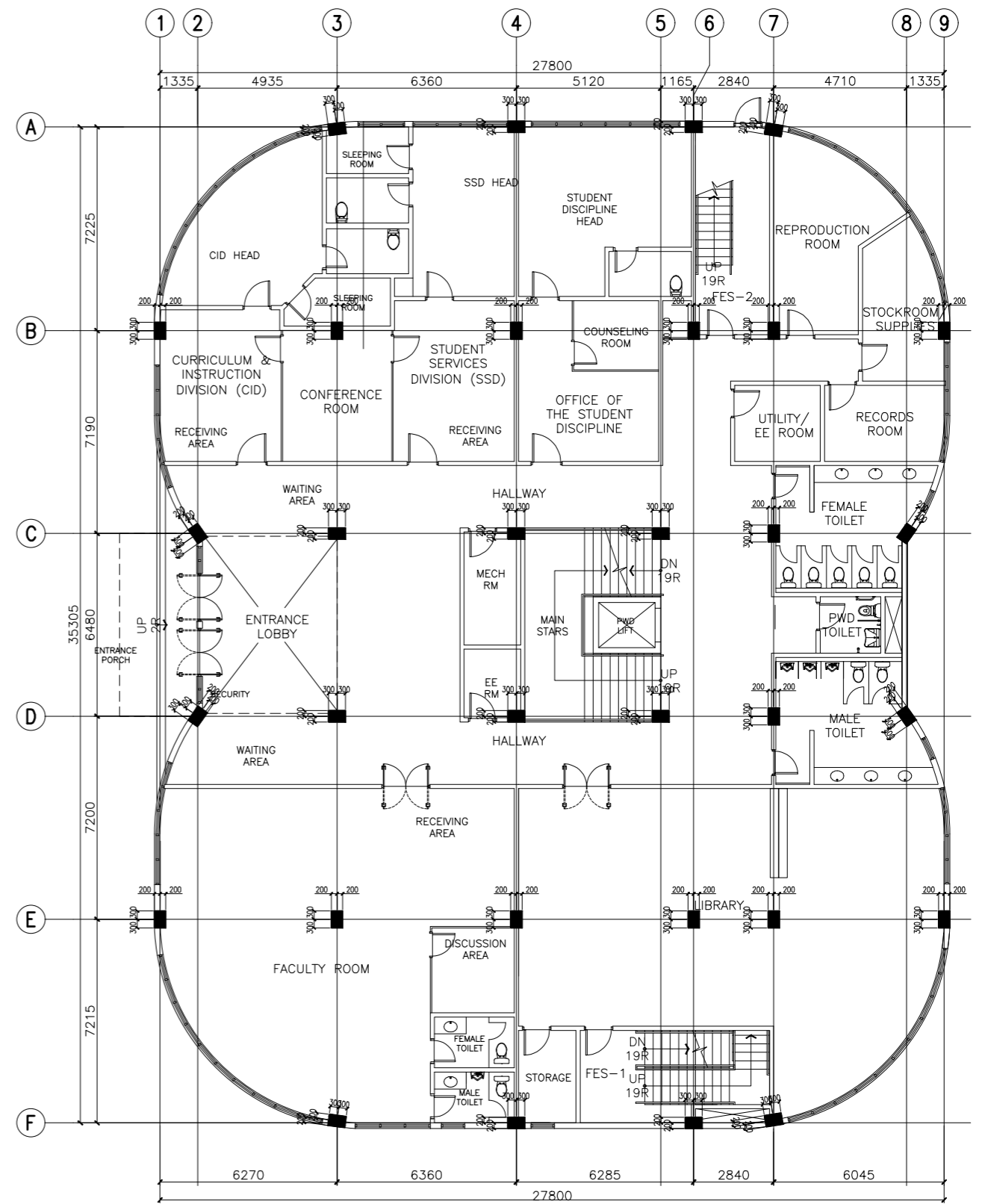
APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
SCHEDULE OF 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


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SUITE 305
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 30244
 FAX NOS: 927 6608;
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PROJECT:
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 ACADEMIC BUILDING II**
 LOCATION: Brgy. Rizal, Odiongan, Romblon

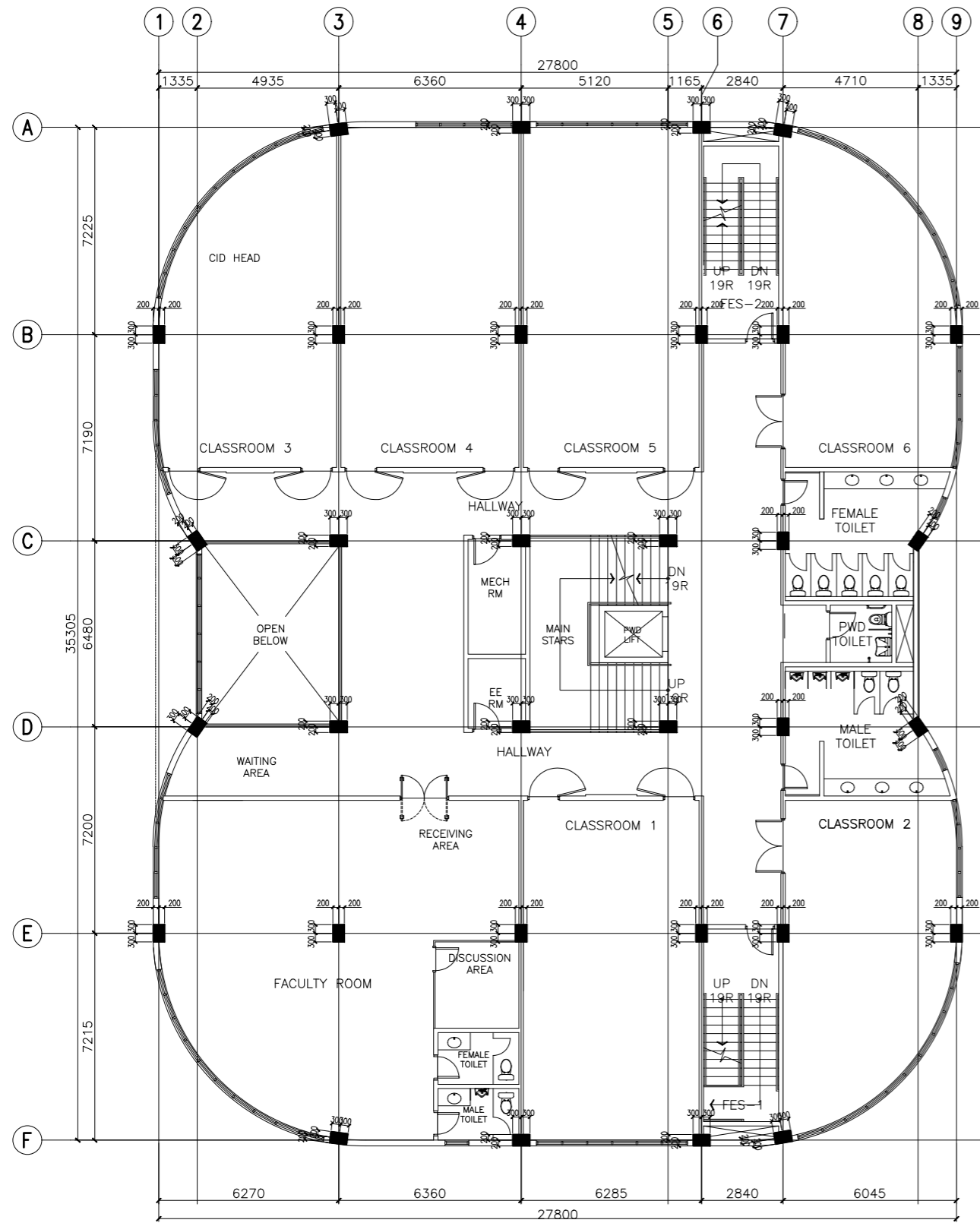
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RECOMMENDING APPROVAL:
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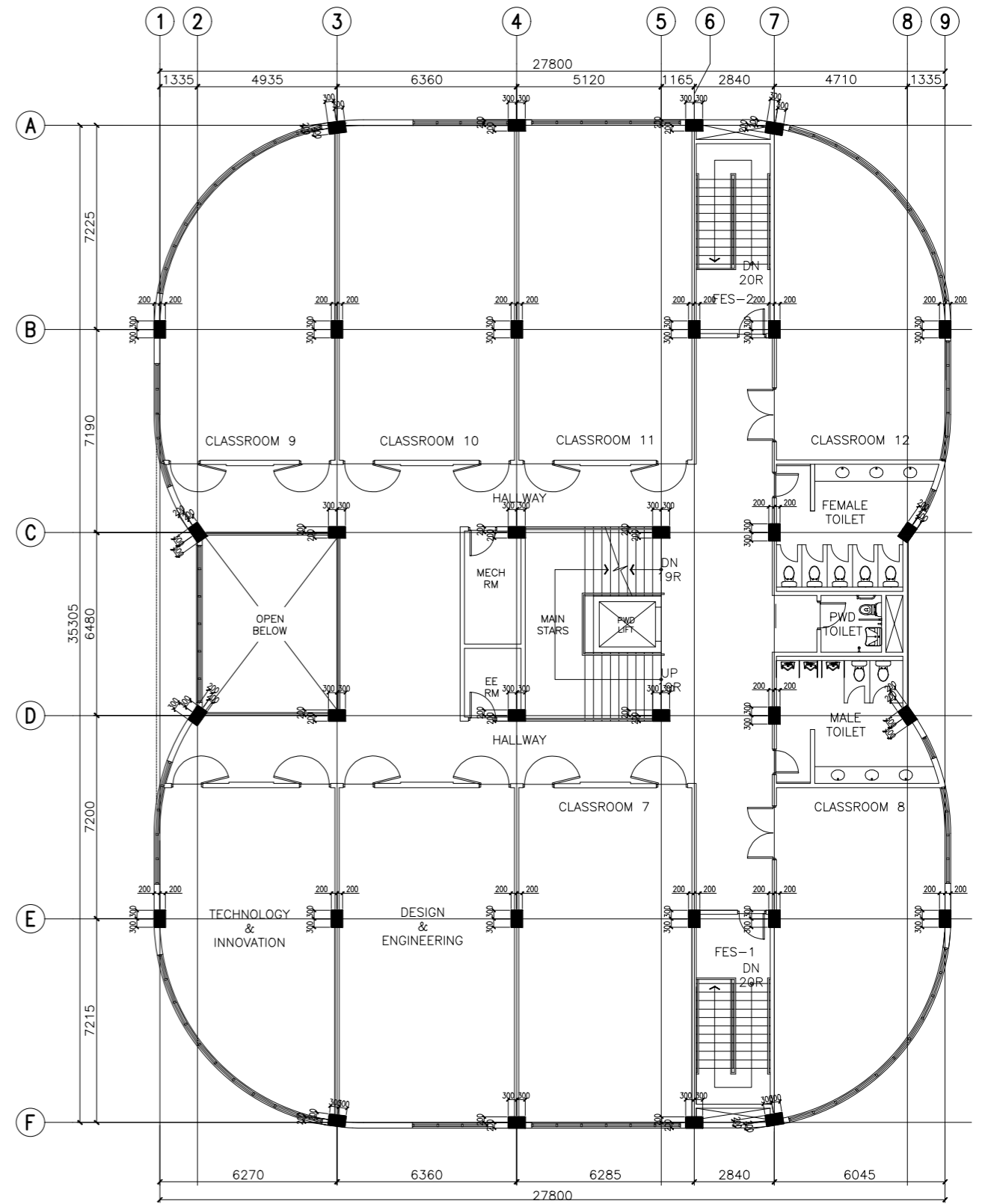
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EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

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


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SUITE 305
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL NOS: 426 7006;
 426 30244
 FAX NOS: 925 6608;
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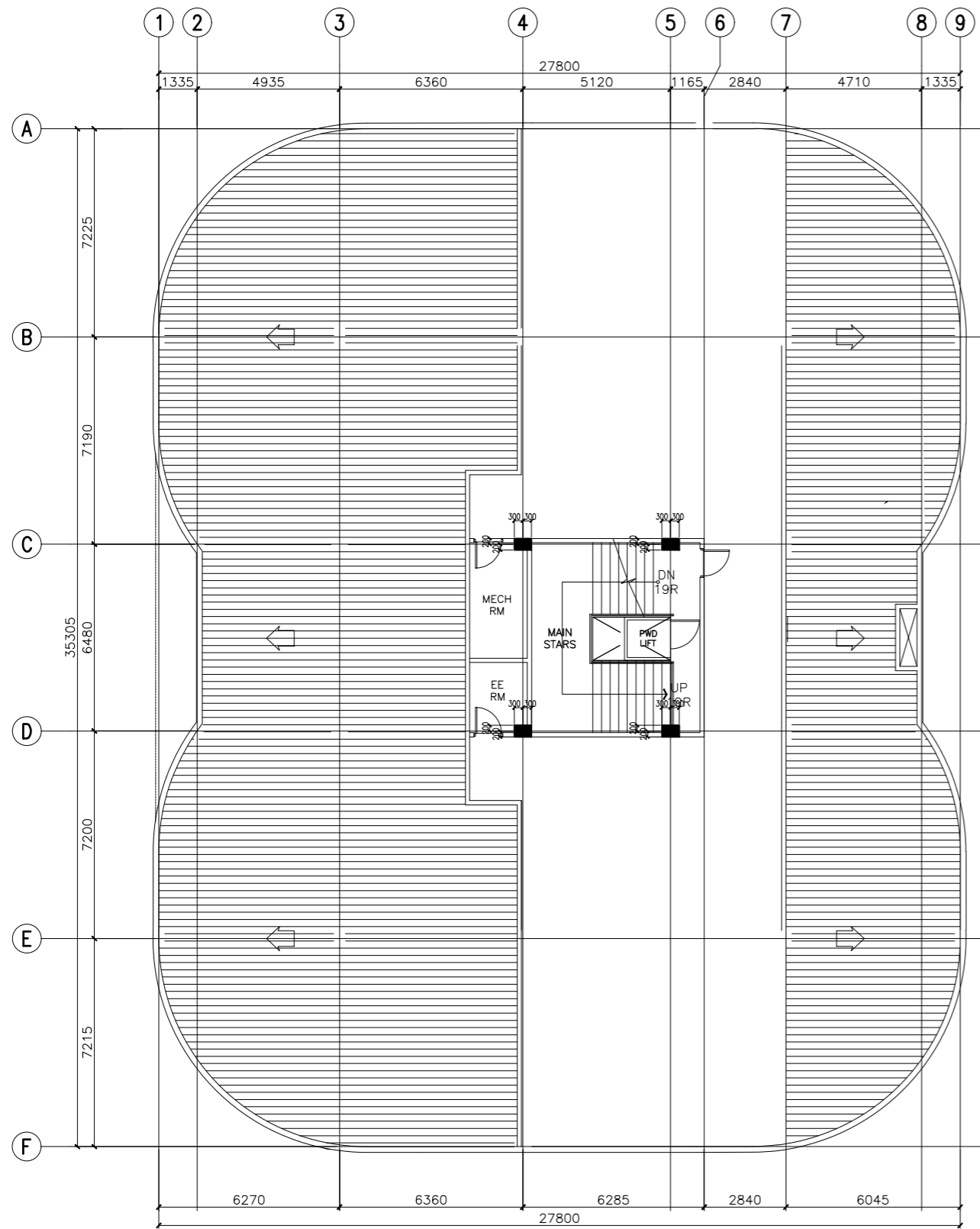
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RECOMMENDING APPROVAL:
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 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 SECOND FLOOR COLUMN SETTING OUT PLAN
 THIRD FLOOR COLUMN SETTING OUT PLAN

SHEET NO:
A
 14 37



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

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SUITE 305
XAVIERVILLE SQUARE
CONDOMINIUM
NO. 38 XAVIERVILLE
AVE., LOYOLA HEIGHTS,
QUEZON CITY, 1108
TEL NOS: 426 7009;
426 30204
FAX NOS: 927 6608;
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PROJECT:
**PROPOSED
ACADEMIC BUILDING II**
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

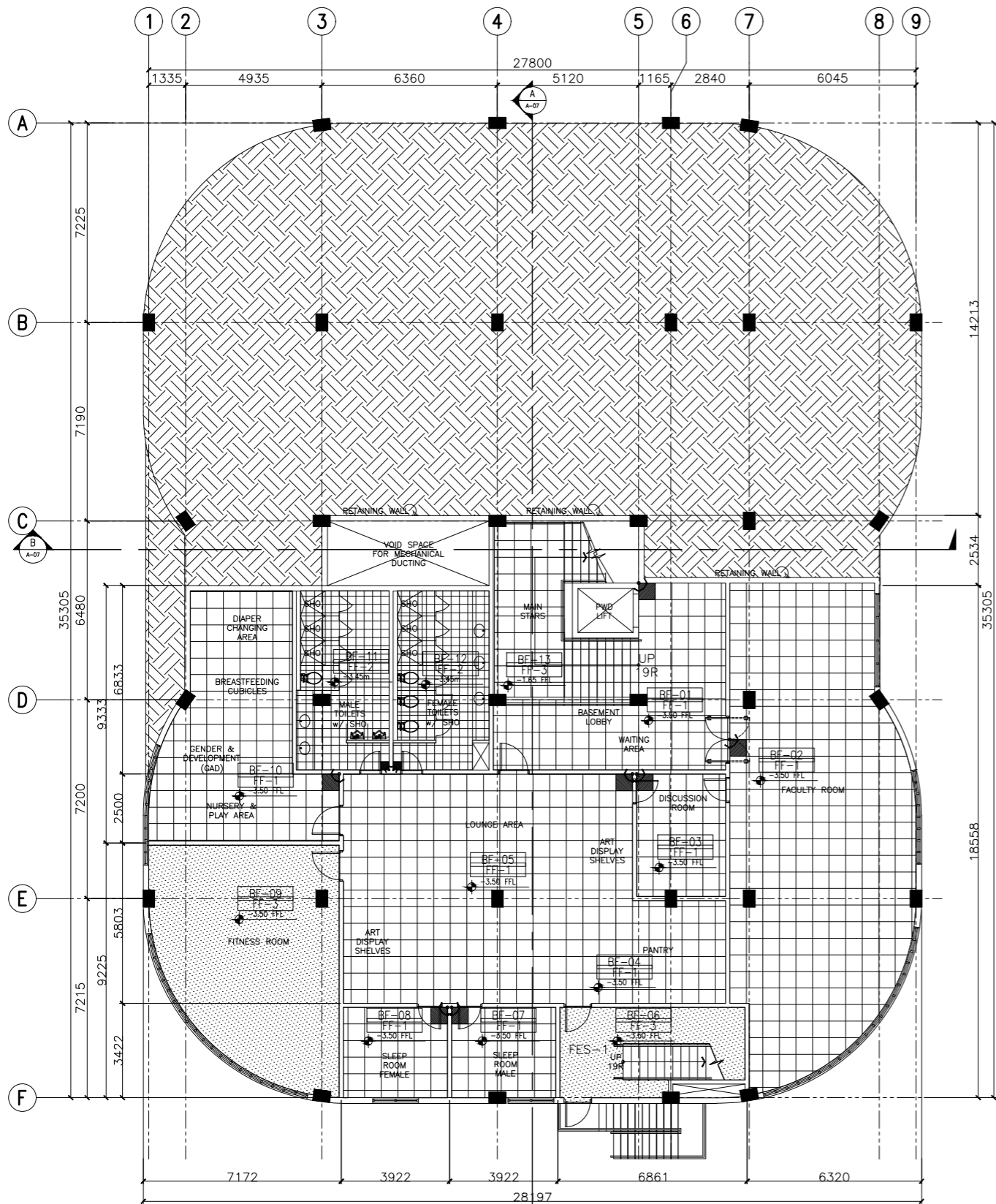
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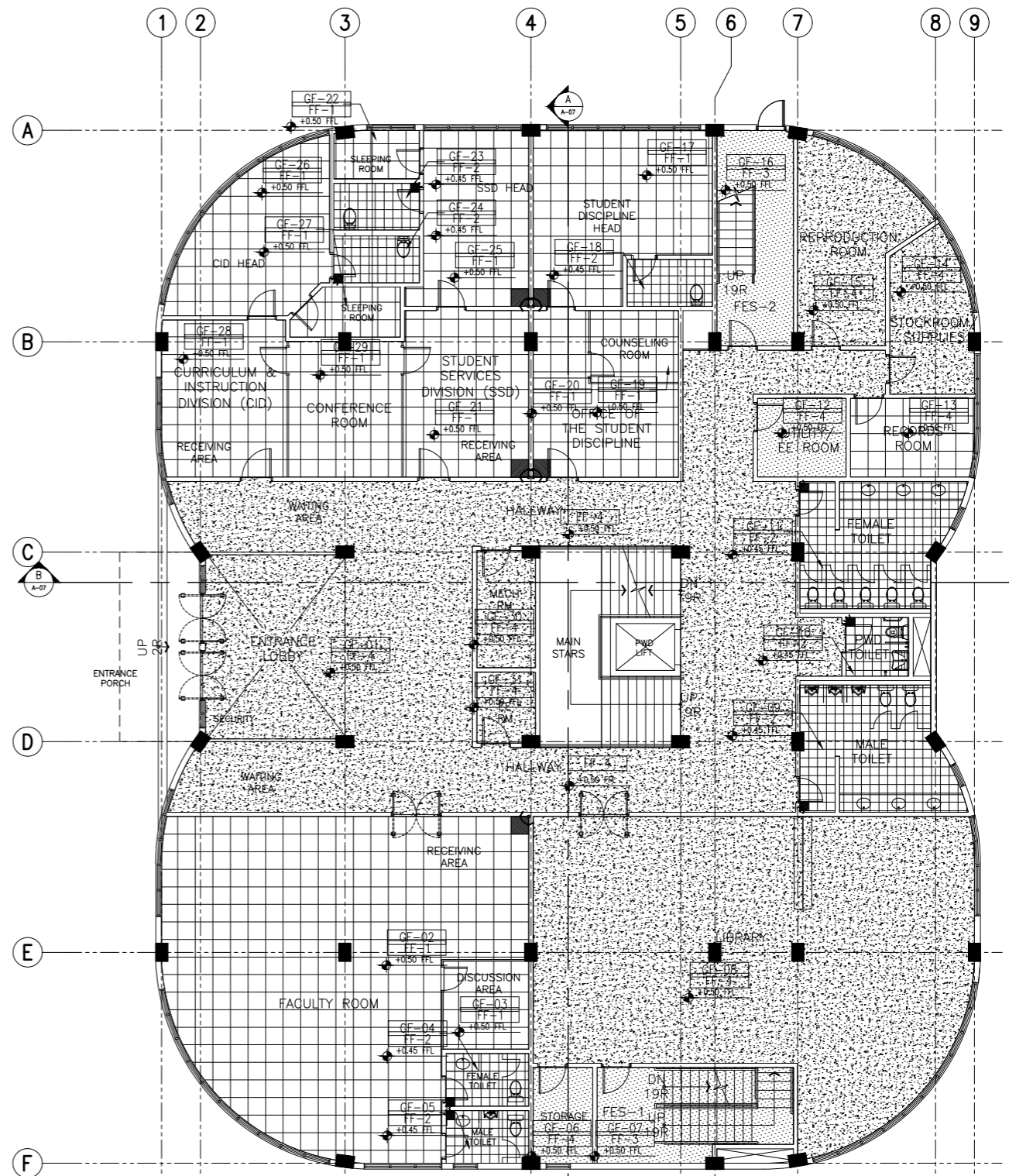
APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
ROOF DECK COLUMN SETTING OUT PLAN

SHEET NO:
A
15 37



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 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 |


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 ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT:
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PROJECT:
PROPOSED ACADEMIC BUILDING II

DESIGNED FOR:

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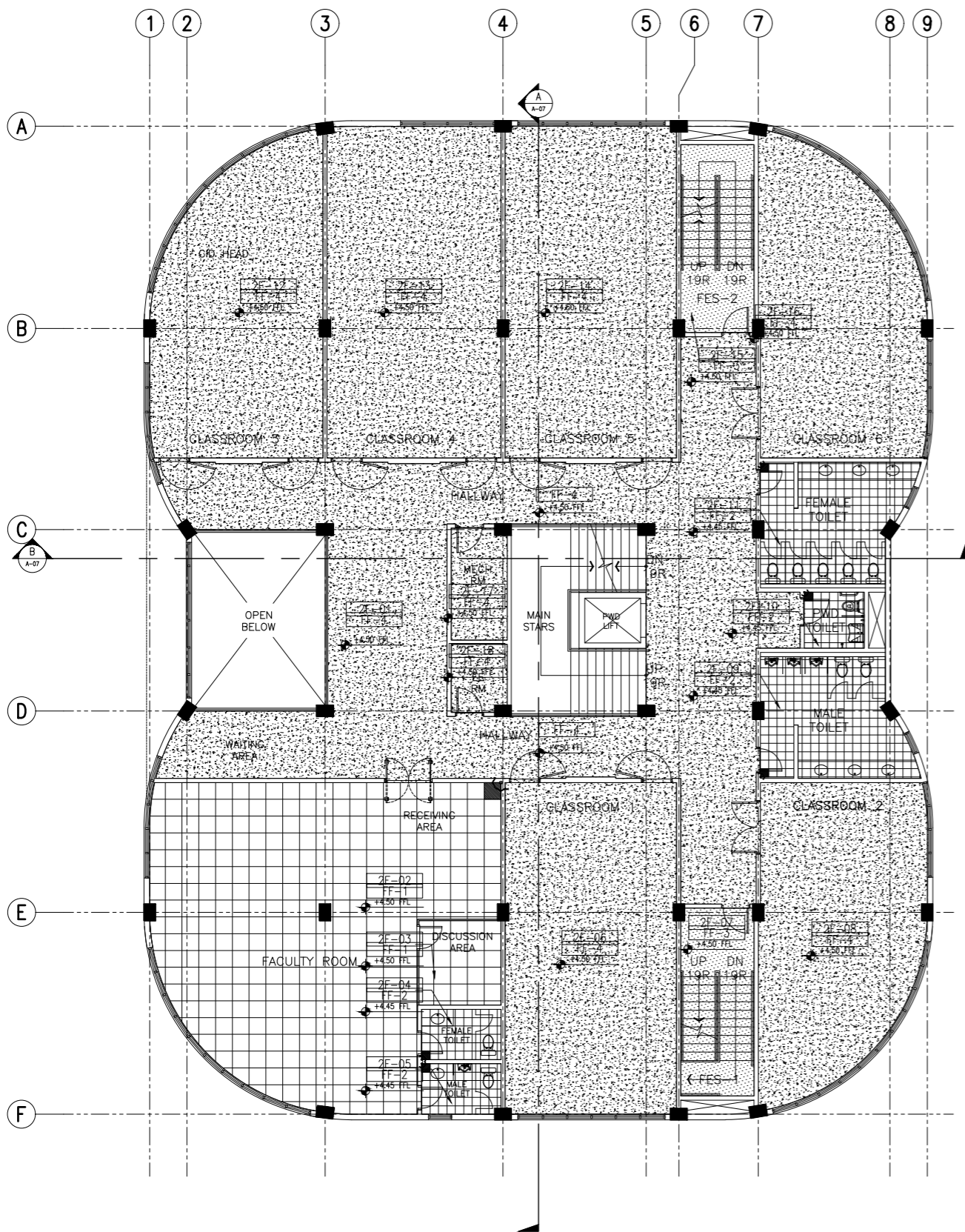
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
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 CAMPUS DIRECTOR

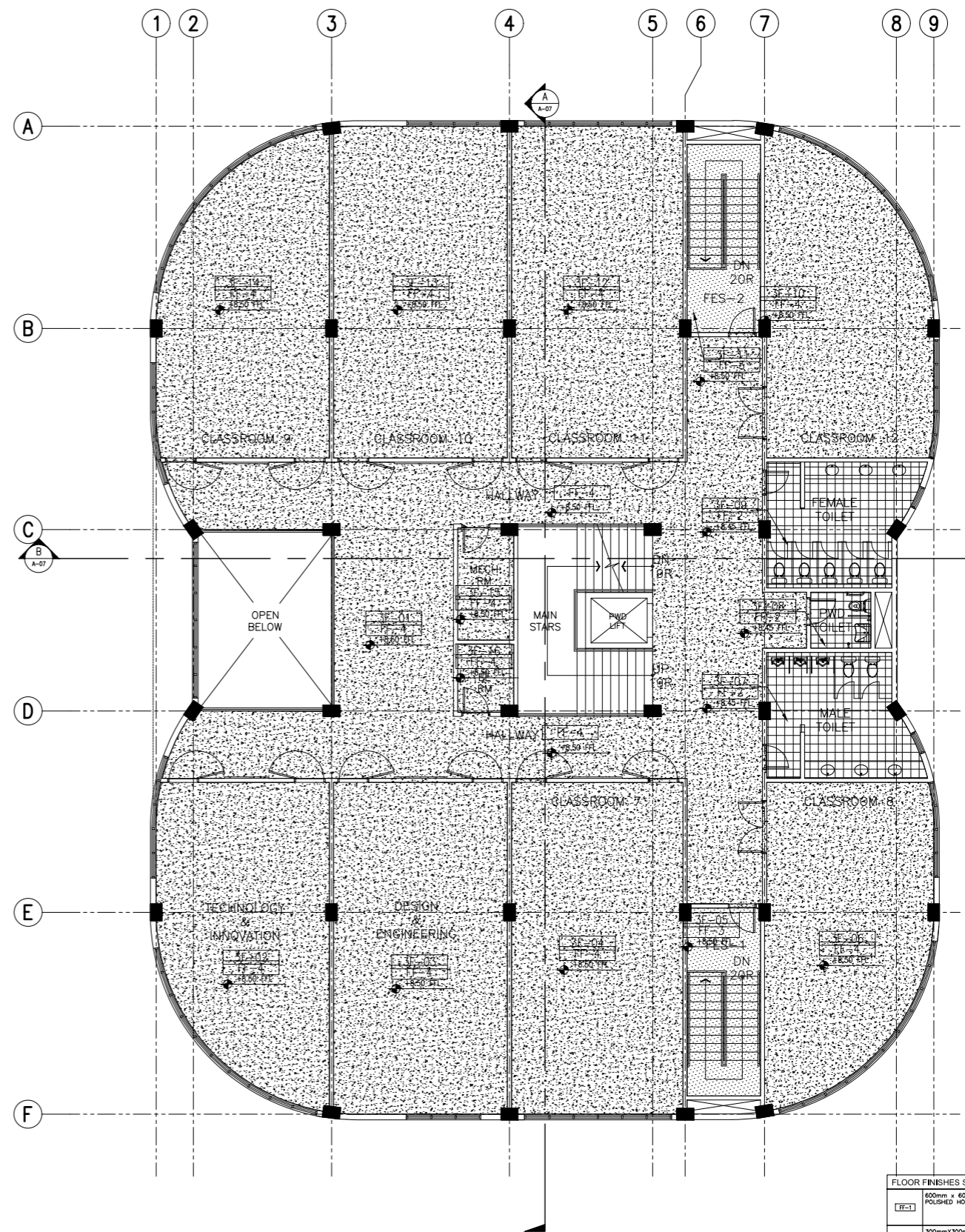
LOCATION: Brgy. Rizal, Odiongan, Romblon

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 |

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SUITE 305
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS.: 426 7009;
 426 3024
 FAX NOS.: 927 6608;
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| | | |
|--------------------|---|------------|
| ARCHITECT: | HENRY STEVE R. OLONAN ARCHITECT | |
| PRC No. 17726 | Validity: | 04/27/2024 |
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PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

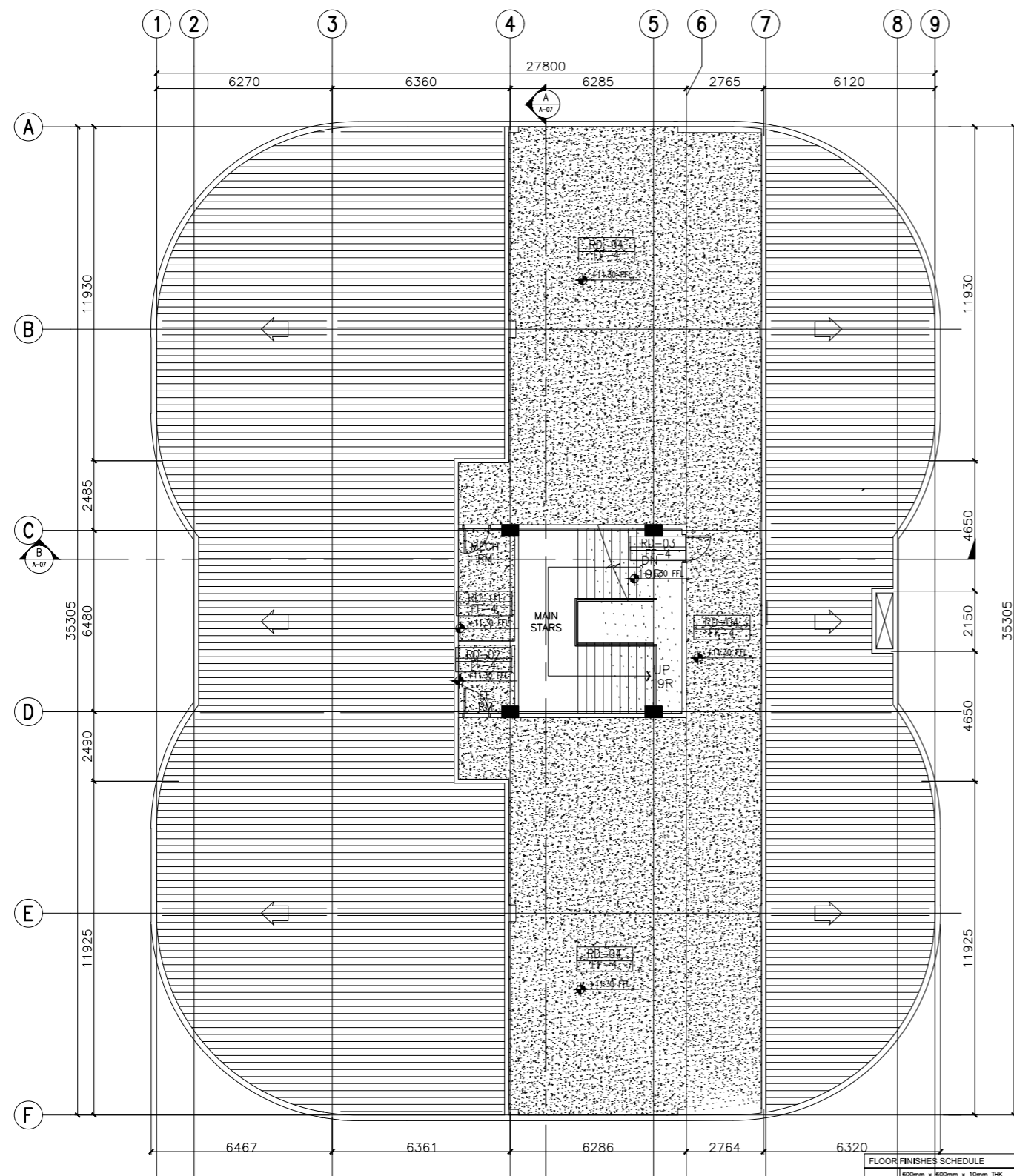
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RECOMMENDING APPROVAL:
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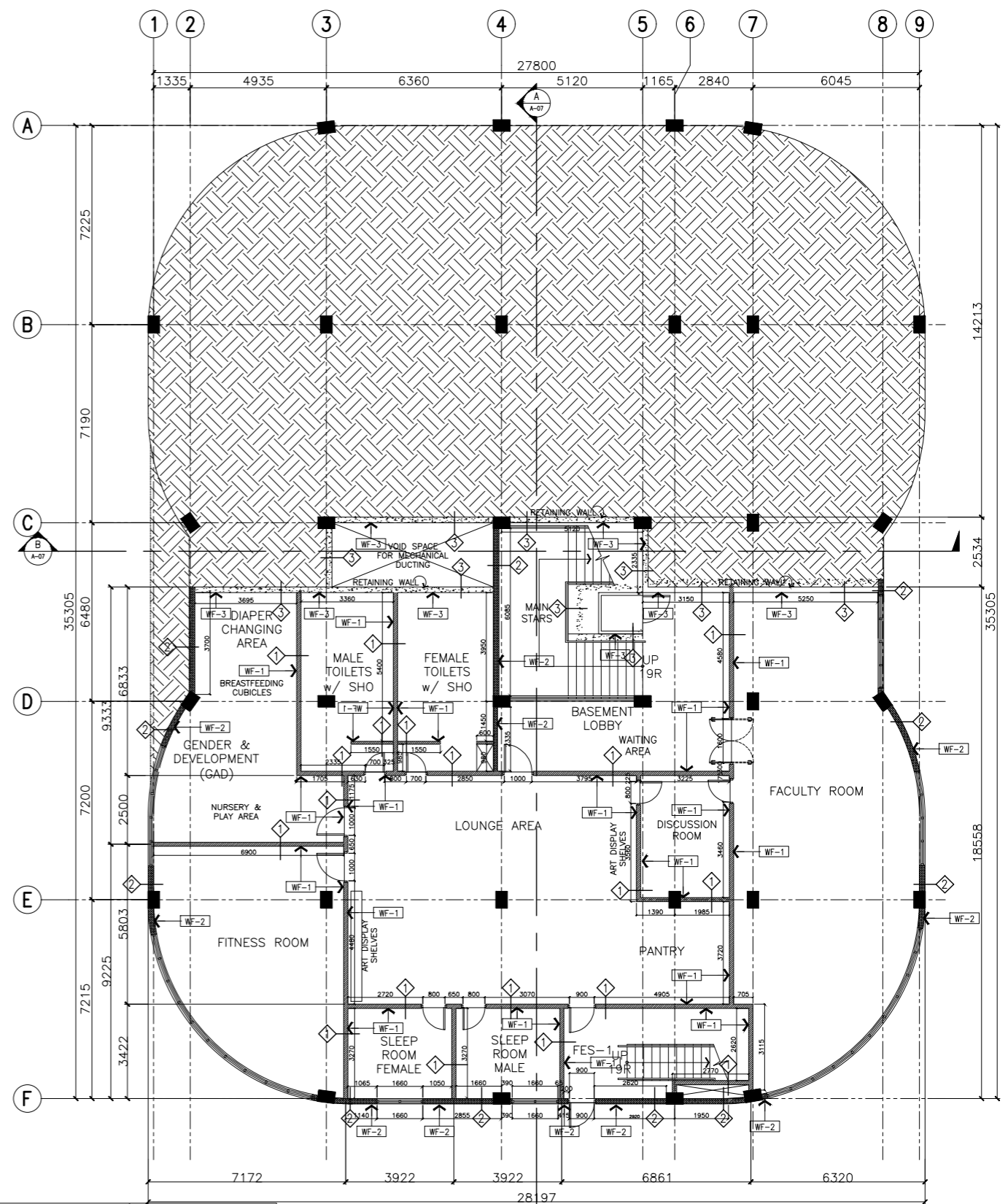
APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 SECOND AND THIRD FLOOR
 FLOOR PATTERN LAYOUT



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 SHAFT (VERIFY STRUCTURAL) |
| | SEMI-GLOSS LATEX PAINT FINISH ON GYPSUM BOARD DRYPWALLS | 4 | 100mm GYPSUM DRYWALL ON LGS FRAMES |

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XAVIERVILLE SQUARE
CONDOMINIUM
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PROJECT: **PROPOSED ACADEMIC BUILDING II**

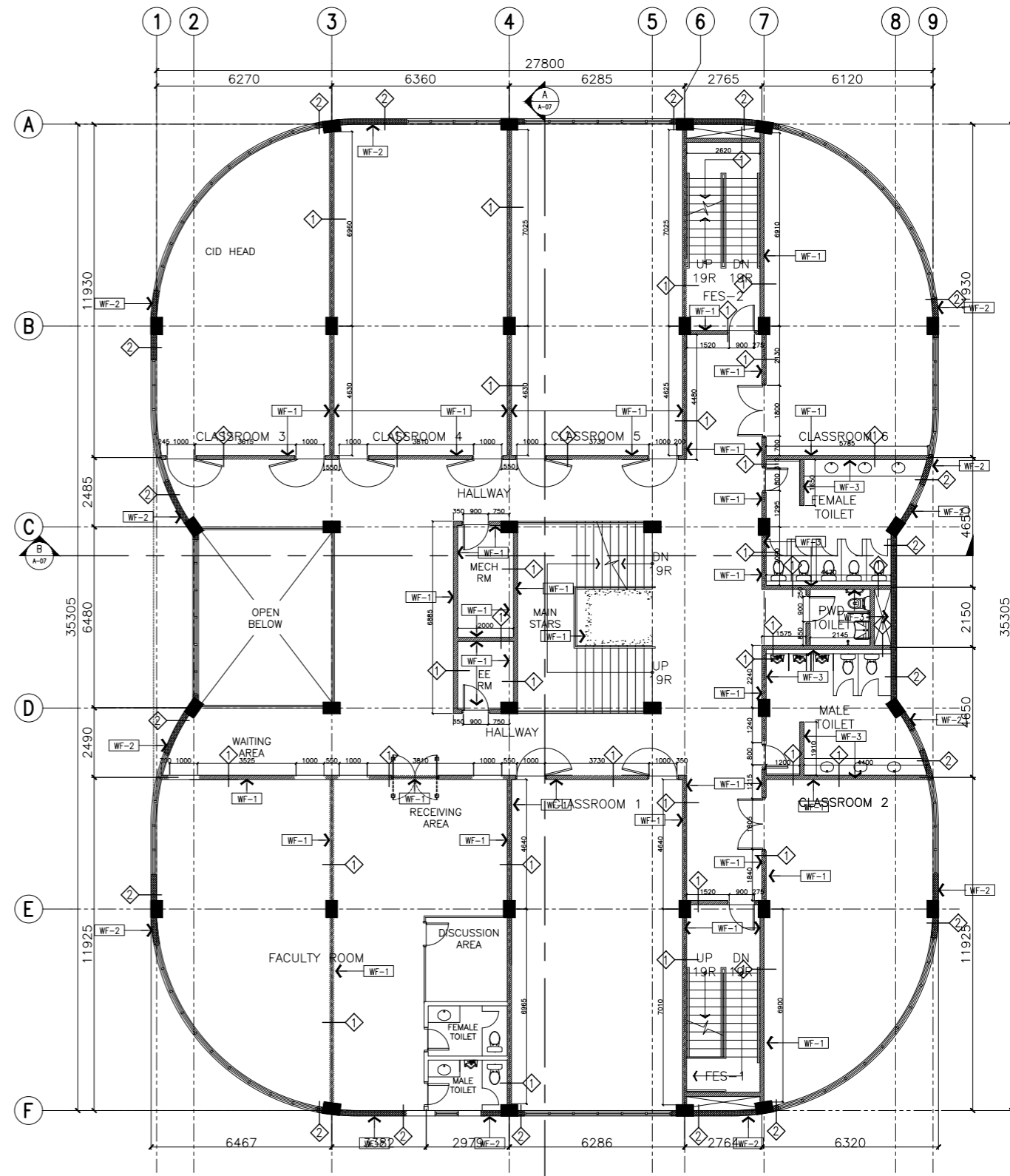
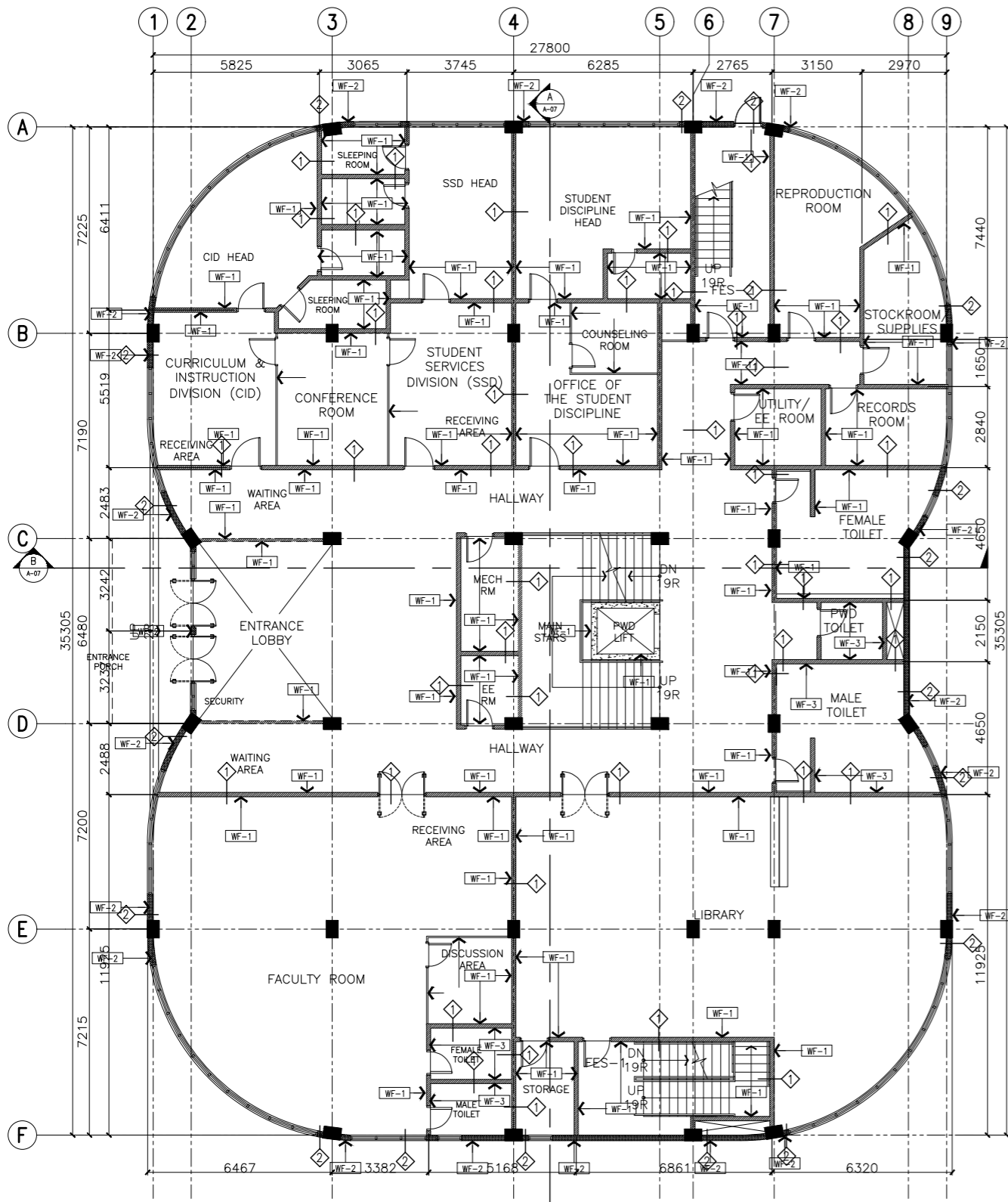
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MIMAROPA REGIONAL CAMPUS**

LOCATION: Brgy. Rizal, Odiongan, Romblon

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 (VERIFY STRUCTURAL) |
| | SEM-GLOSS LATEX PAINT FINISH ON GYPSUM BOARD DRYPWALL | ◆ | 100mm GYPSUM DRYPWALL ON LGS FRAMES |

A ACADEMIC BUILDING II - GROUND FLOOR
WALL SETTING AND FINISHES PLAN
 A-19 SCALE: 1:100m

B ACADEMIC BUILDING II - SECOND FLOOR
WALL SETTING AND FINISHES PLAN
 A-19 SCALE: 1:100m

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PROJECT:
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LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

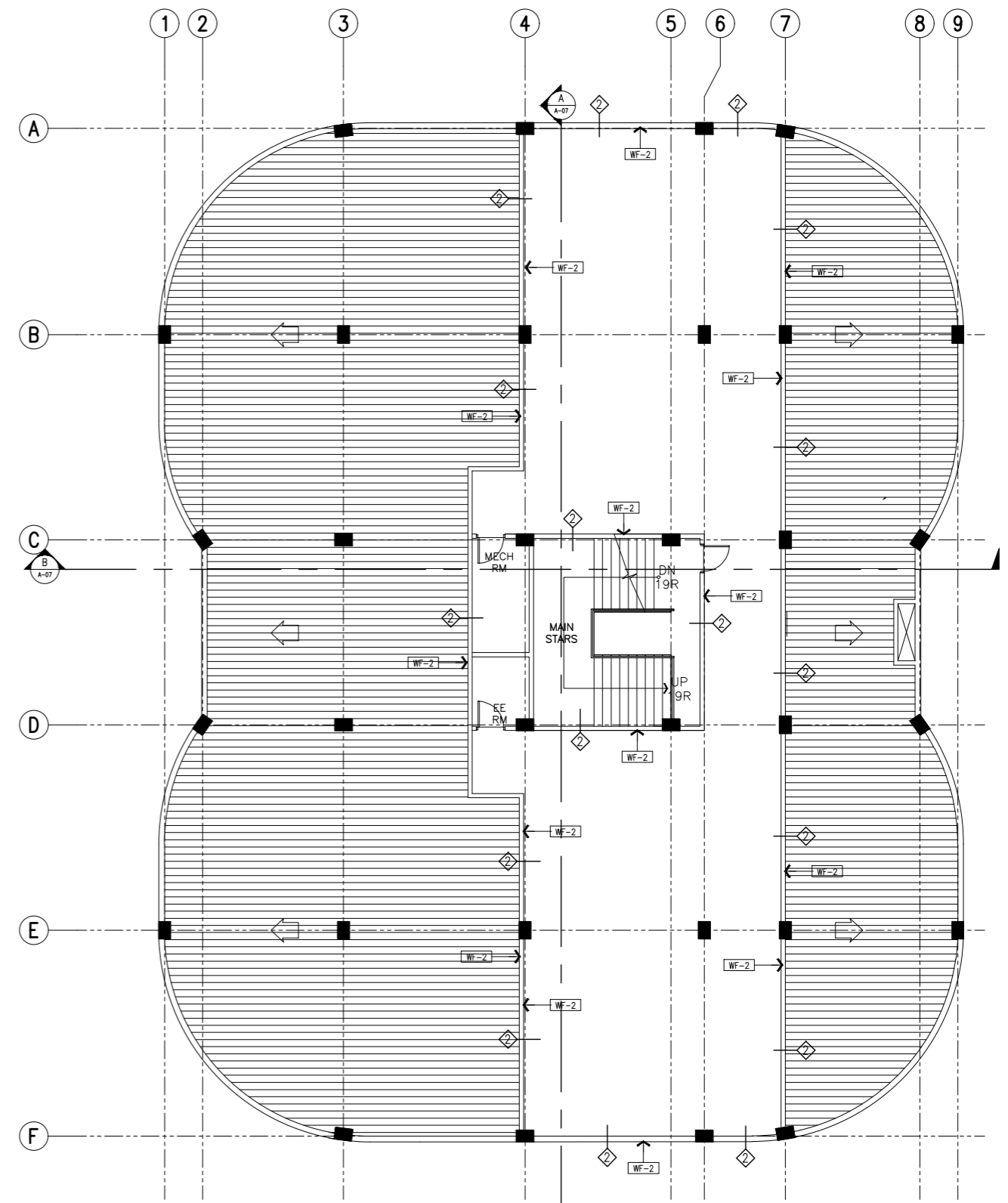
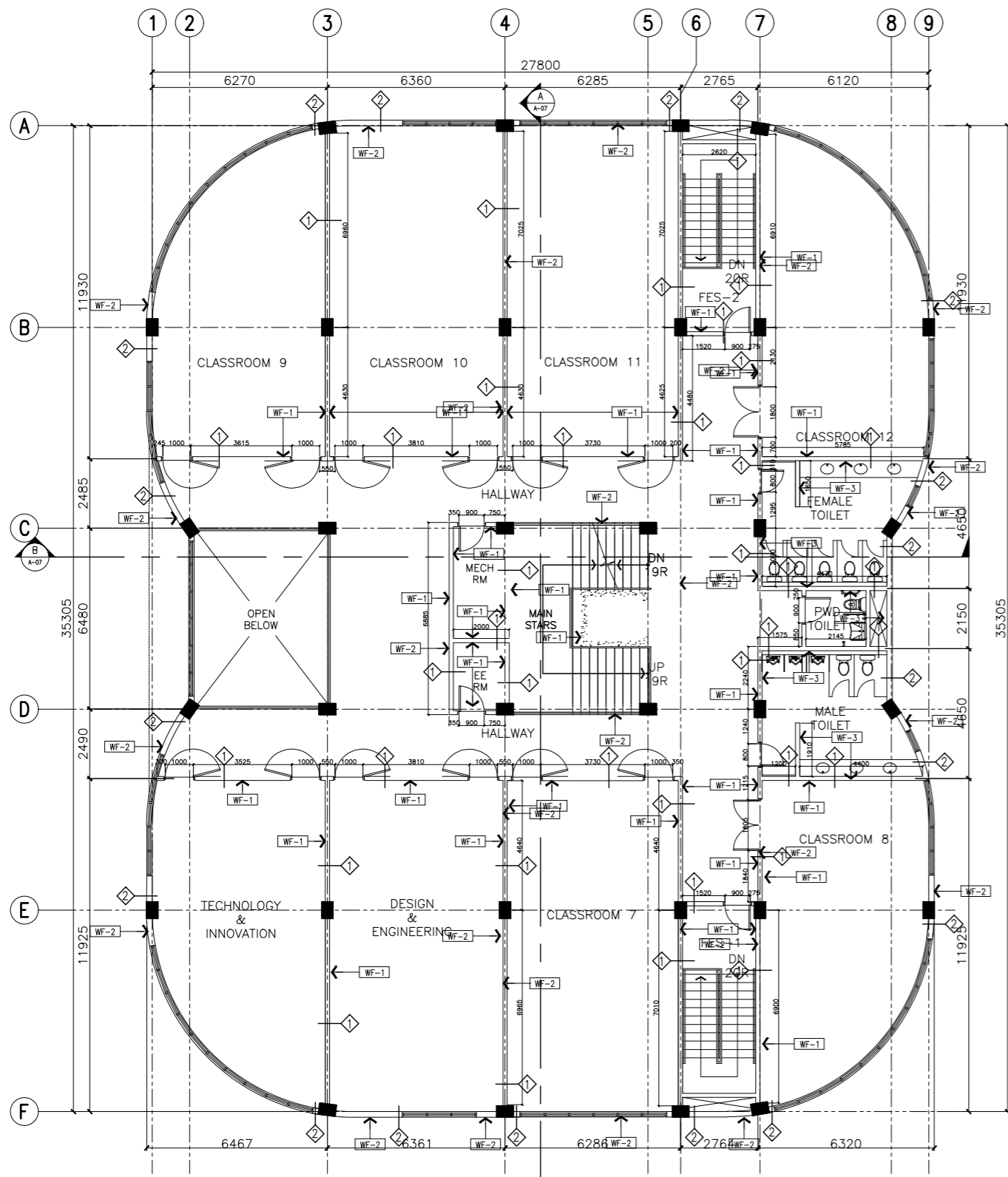
 REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 GROUND 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 | 100mm THK. CHB WALL | |
| WF-2 | PLAIN CEMENT PLASTER IN ELASTOMERIC PAINT EXTERIOR FINISH | 150mm THK. CHB WALL | |
| WF-3 | 300mmx300mm HOMOGENEOUS TILES (NON-SHIN) | RETAINING WALL OR PWD LIFT SHAFT (VERIFY STRUCTURAL) | |
| | SEM-GLOSS LATEX PAINT FINISH ON GYPSUM BOARD DRYPWALLS | 100mm GYPSUM DRYPWALL 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

SUITE 305
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 3020/4
 FAX NOS: 927 6608;
 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

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

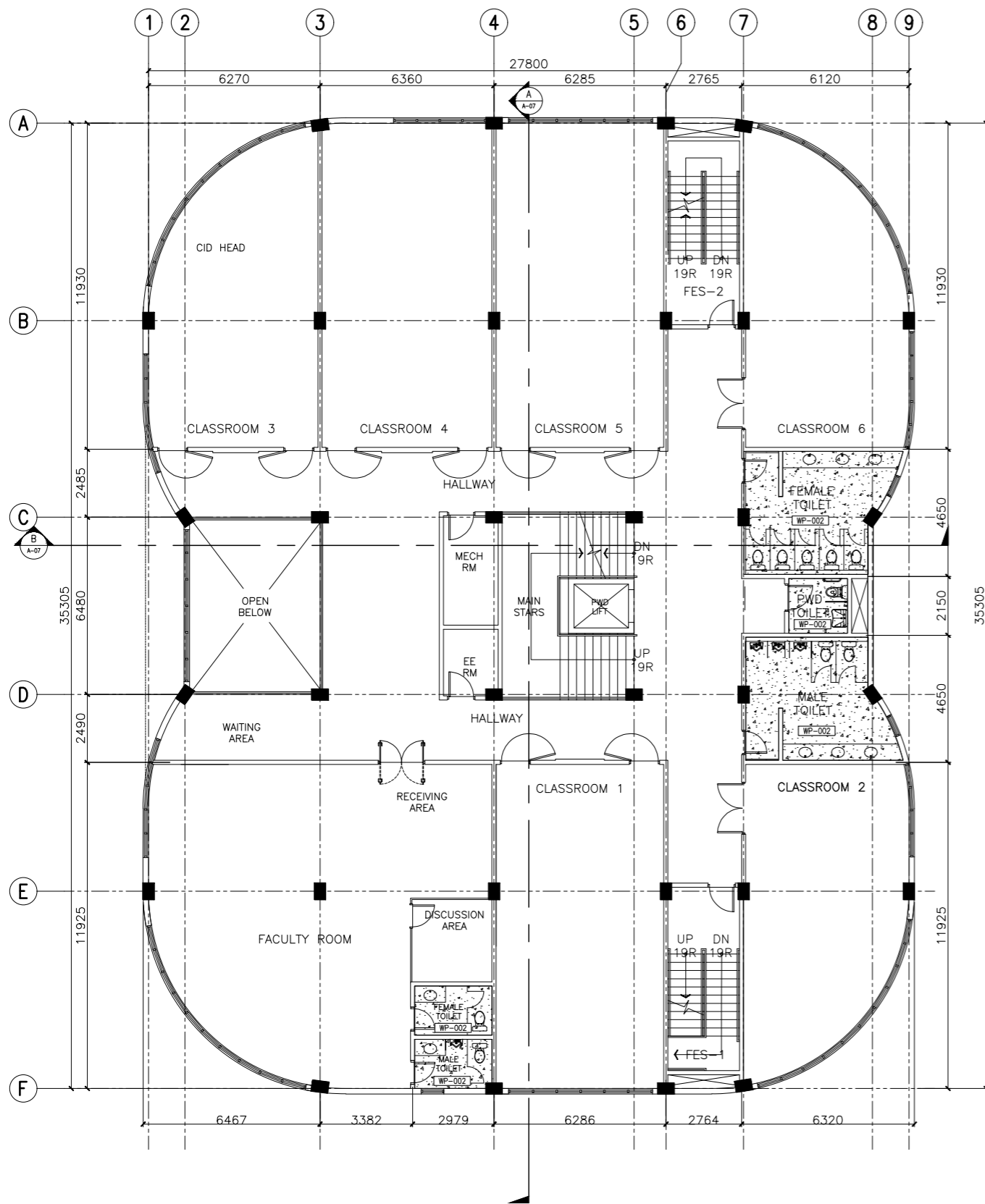
DESIGNED FOR:

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

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

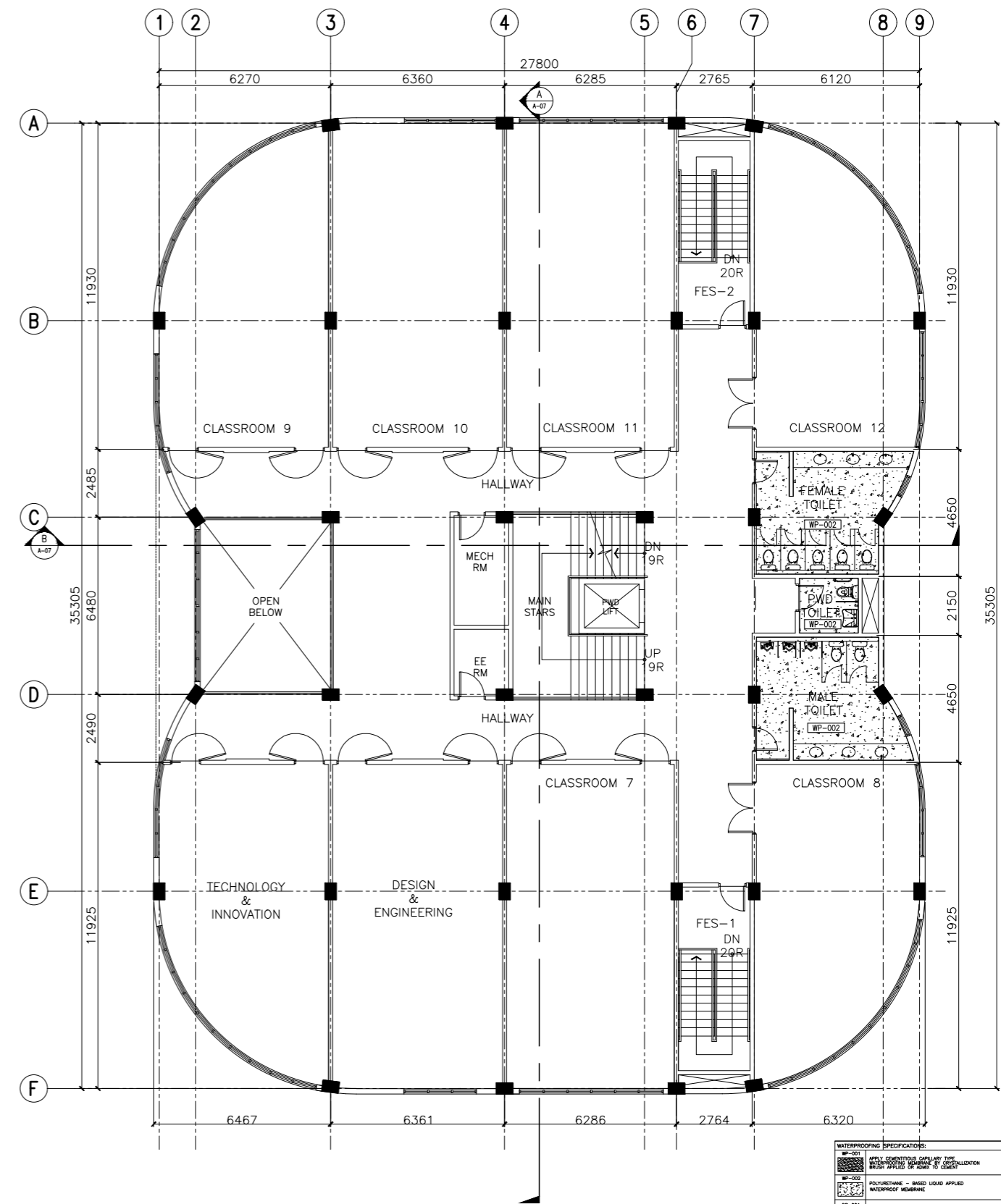
APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

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

SHEET NO:
A
 20 37



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



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

WATERPROOFING SPECIFICATIONS:

| | |
|--------|---|
| WP-001 | APPLY CEMENTITIOUS CAPSULARY TOY BUILT UP OVER REBAR AT JOINTS |
| WP-002 | POLYURETHANE - BASED LIQUID APPLIED WATERPROOF MEMBRANE |
| DP-001 | 6-MILS POLYETHYLENE PLASTIC WARP DAMP PROOFING (BEFORE FORMING CONCRETE SLAB) |

N.B.:
 1. SURFACE CONDITIONS AS PER PLANS
 2. APPLICATION OF PER PRODUCT SPECIFICATIONS
 3. WARRANTY BY SUPPLIER AND CONTRACTOR

PHOTIC 2000M STANDARD FLASHING
 (PLEASE OBSERVE NOTES)
 FOR ROOF DECKS OR R.C. LEDGES, AFTER WATERPROOFING SHOULD HAVE 25MM CONCRETE TOPPING.
 FINAL METHODOLOGY FOR WATERPROOFING AND CONCRETE TOPPING TO BE DISCUSSED WITH THE ARCHITECT.
 THIS IS IN CONFORMANCE WITH THE APPROVED REQUIREMENTS OF ALL APPLICABLE INTERNATIONAL CONTRACTS 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., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NO.: 426 7009;
 426 3020/04
 FAX NOS.: 927 6608;
 426 7214

ARCHITECT:
HENRY STEVE R. OLONAN
 ARCHITECT

| | |
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| PRC No. 17726 | Validity: 04/27/2024 |
| PTR No. 0732073 | Date: 01/11/2021 |
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PROJECT:
PROPOSED ACADEMIC BUILDING II

DESIGNED FOR:

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

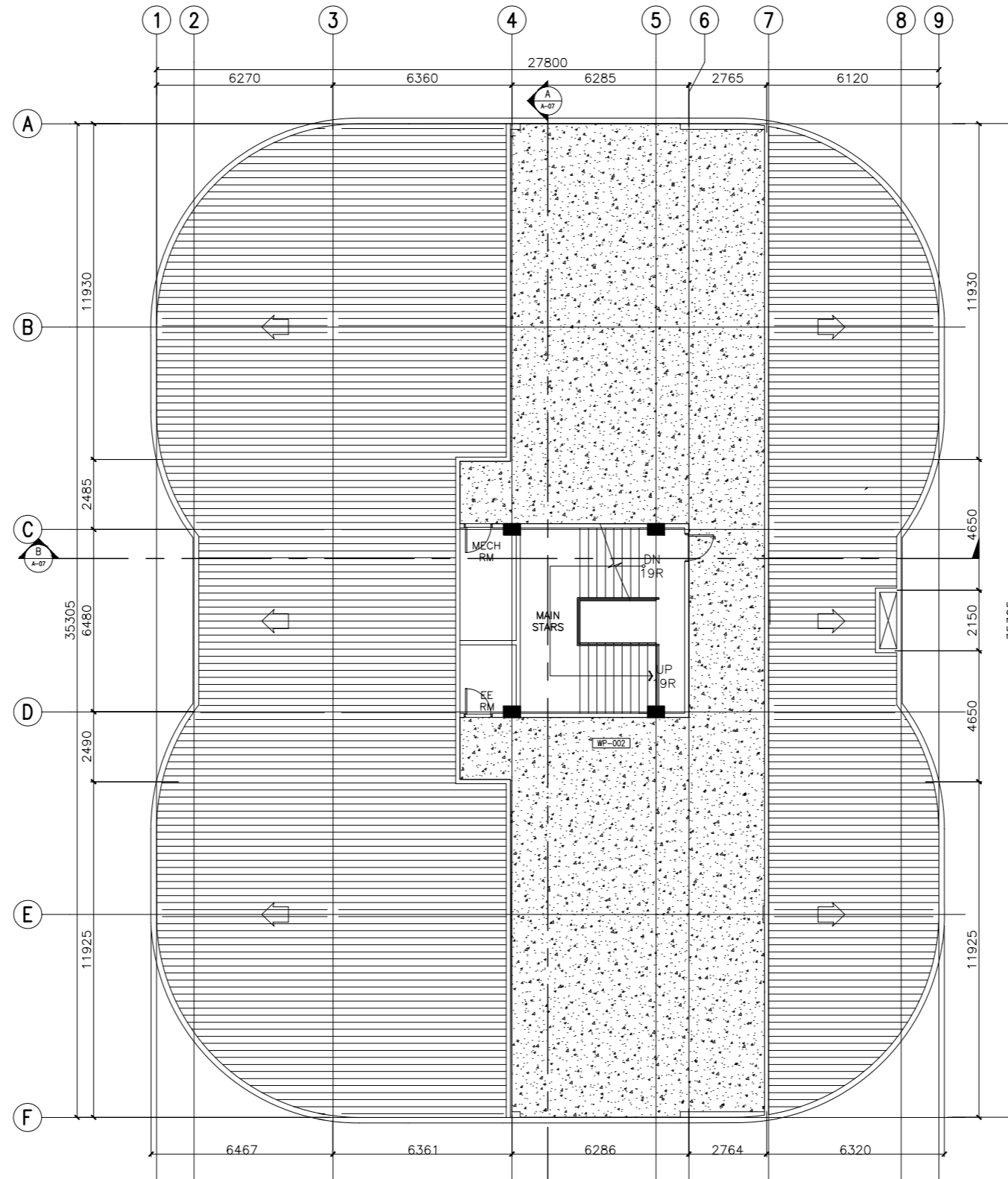
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

LOCATION: Brgy. Rizal, Odiongan, 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-001 | APPLY CEMENTITIOUS CASULARTY TYPE BUILDING WATERPROOFING MEMBRANE BY HAND |
| WP-002 | POLYURETHANE - BASED LIQUID APPLIED WATERPROOF MEMBRANE |
| DP-001 | 6-MILS POLYETHYLENE PLASTIC WATER DAMP PROOFING (BEFORE FORMING CONCRETE SLAB) |

N.B. 1. SURFACE COVERSIES AS PER PLANS
 2. NUMBER OF COATS AND NUMBER OF APPLICATIONS AS PER PRODUCT SPECIFICATIONS
 3. WARRANTY BY SUPPLIER AND CONTRACTOR

FIELD DRAWING NOTES
 *FOR ROOF DECKS OR R.C. LEDGES, AFTER WATERPROOFING SHOULD HAVE OTHER CONCRETE TOPPING.
 *FINAL METHODOLOGY FOR WATERPROOFING AND CONCRETE TOPPING TO BE DISCUSSED WITH THE ARCHITECT, WATERPROOFING AND CON. WORK CONTRACTORS. THIS IS IN CONSIDERATION OF THE DRAINING REQUIREMENTS OF EACH RESPECTIVE MATERIALS.

ENRIQUE O. OLANON & ASSOCIATES
 ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 30204
 FAX NOS: 927 6608;
 426 7214

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

| | |
|---|----------------------|
| ARCHITECT: | |
| HENRY STEVE R. OLANON ARCHITECT | |
| PRC No. 17726 | Validity: 04/27/2024 |
| PTR No. 0732073 | Date: 01/11/2021 |
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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:

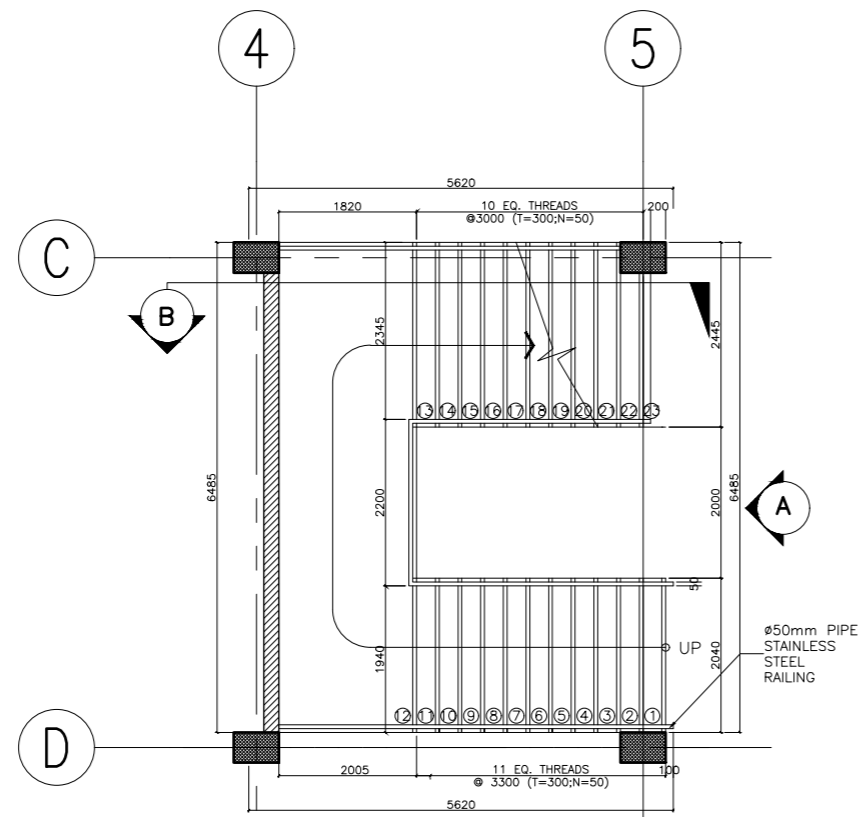
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:

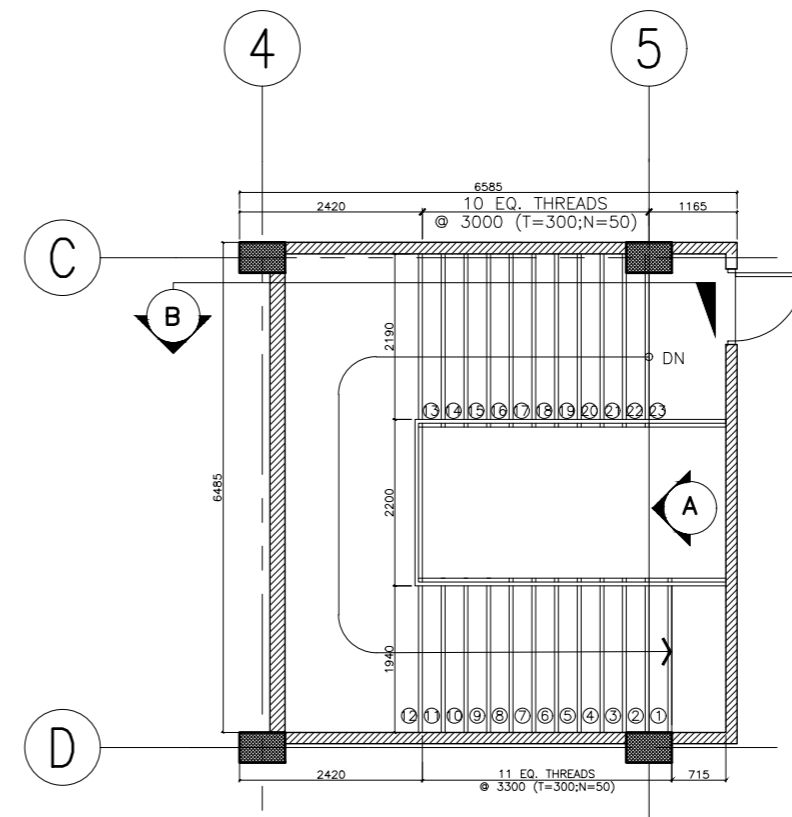
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
 ROOF DECK
 WATERPROOFING PLAN

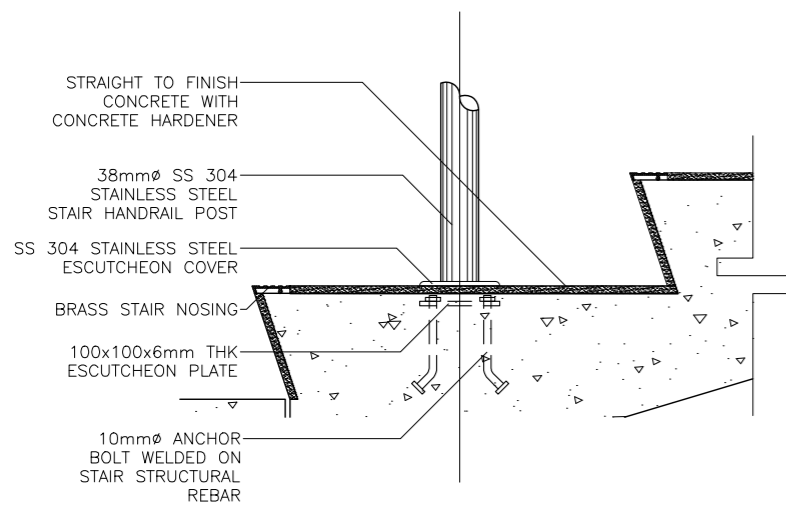
SHEET NO:
A
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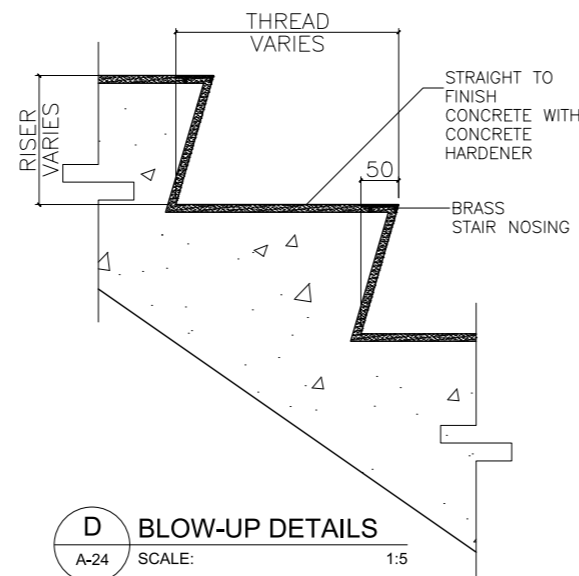
A BASEMENT TO THIRD FLOOR
MAIN STAIR PLAN
 A-24 SCALE: 1:50



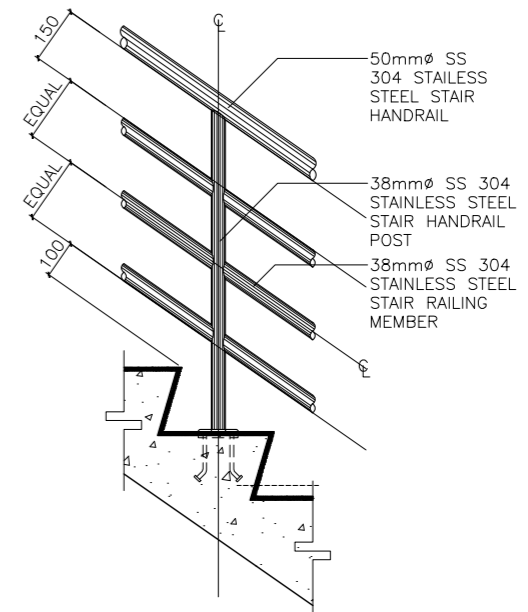
B THIRD FLOOR TO ROOF DECK
MAIN STAIR PLAN
 A-24 SCALE: 1:50



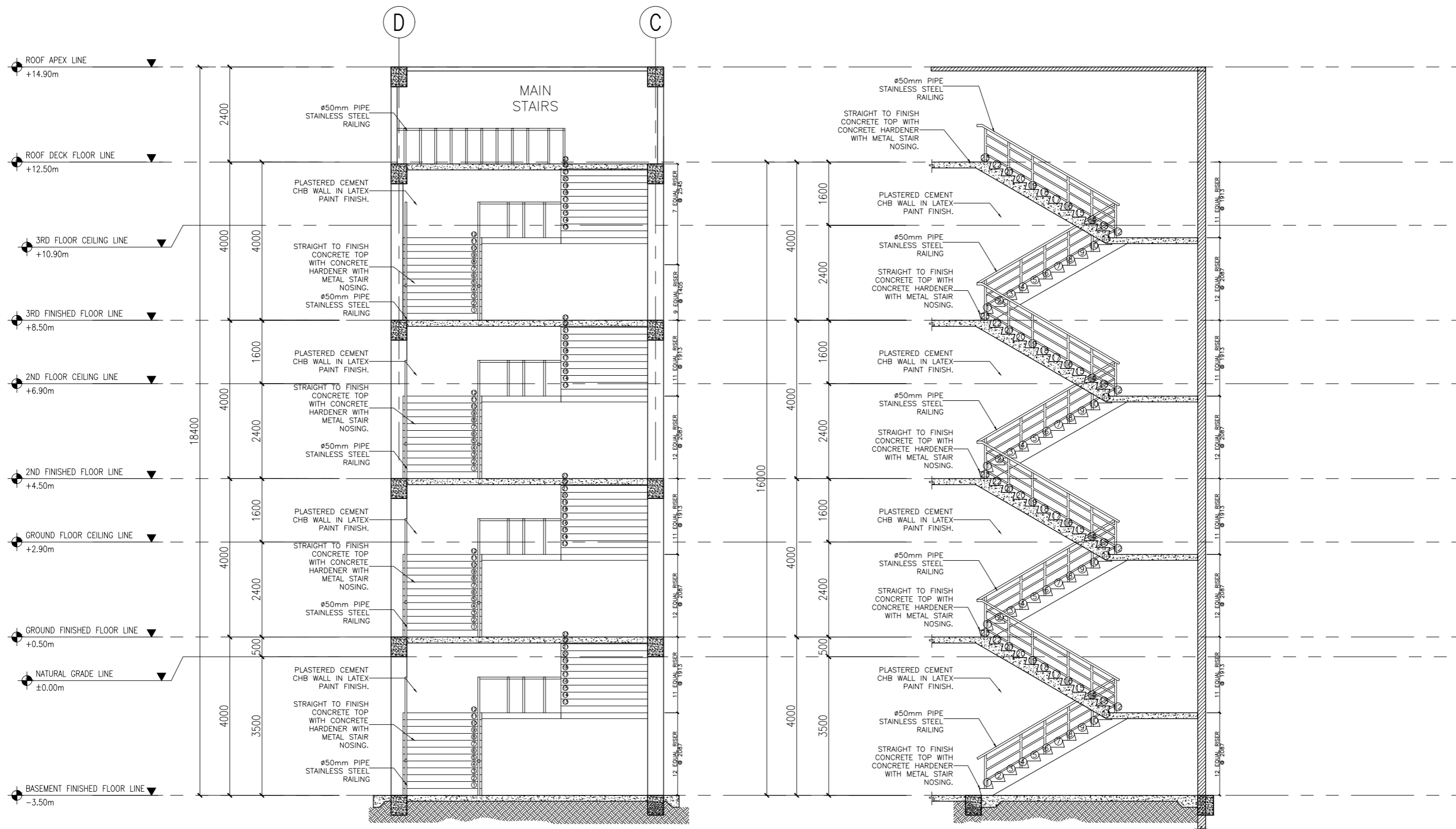
C BLOW-UP DETAILS
 A-24 SCALE: 1:5



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



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



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

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


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., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 30244
 FAX NOS: 927 6698;
 426 7214

| | |
|---|----------------------|
| ARCHITECT: HENRY STEVE R. OLONAN ARCHITECT | |
| PRC No. 17726 | Validity: 04/27/2024 |
| PTR No. 0732073 | Date: 01/11/2021 |
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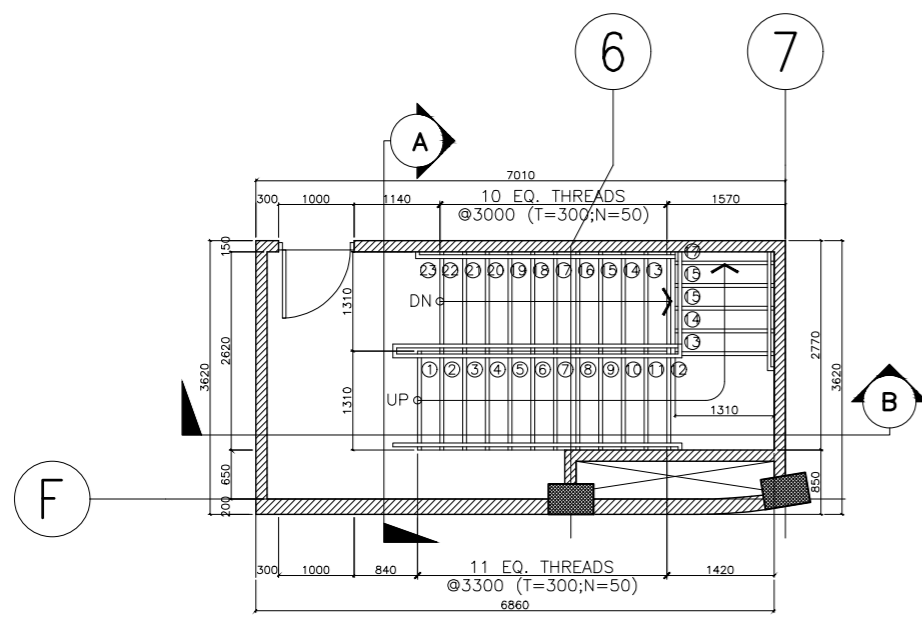
PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

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

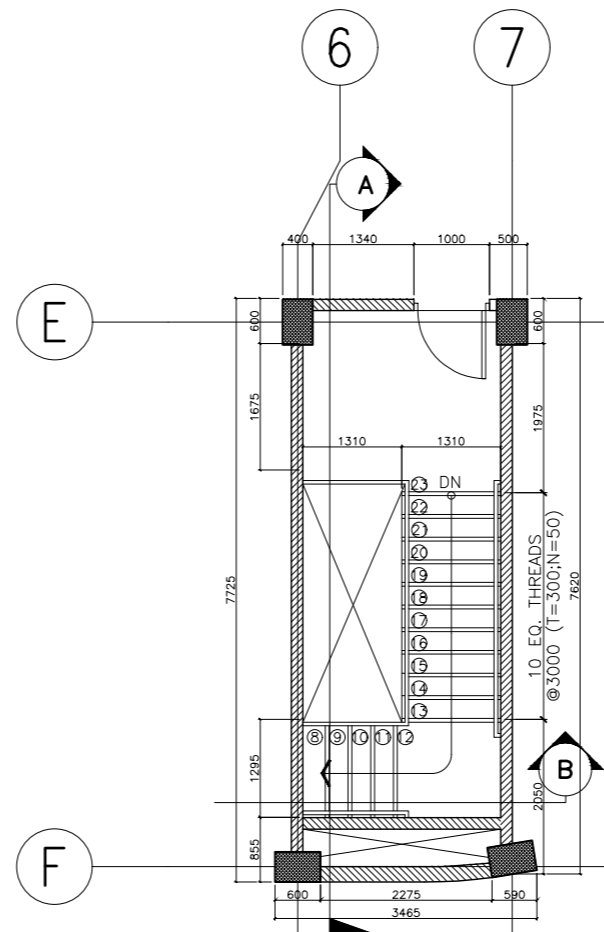
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

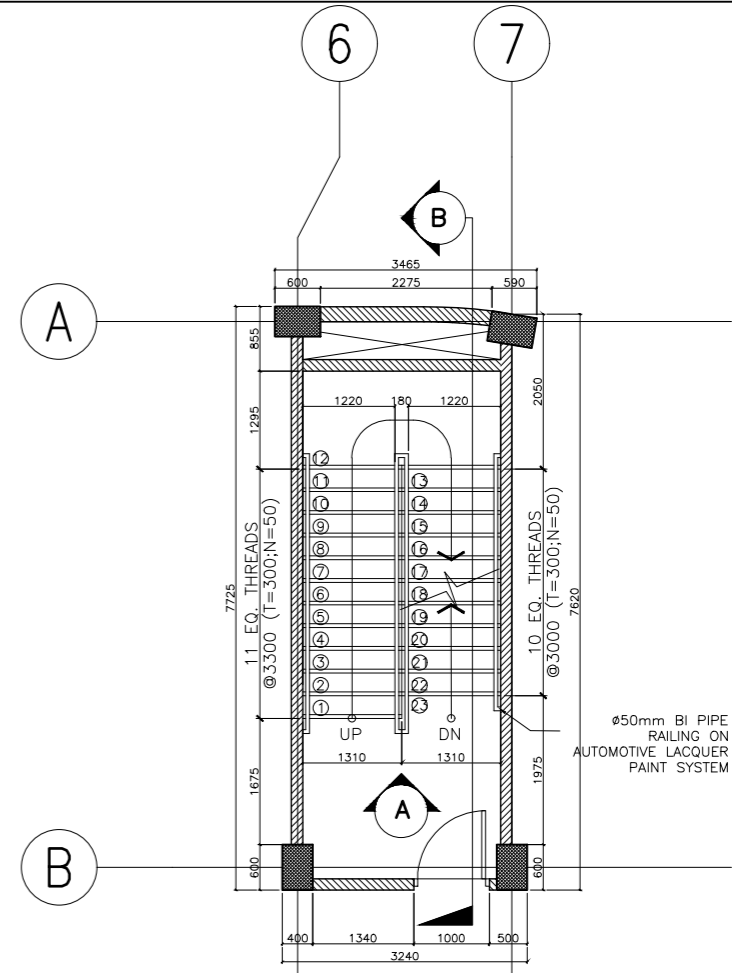
SHEET CONTENTS:
 MAIN STAIR SECTION



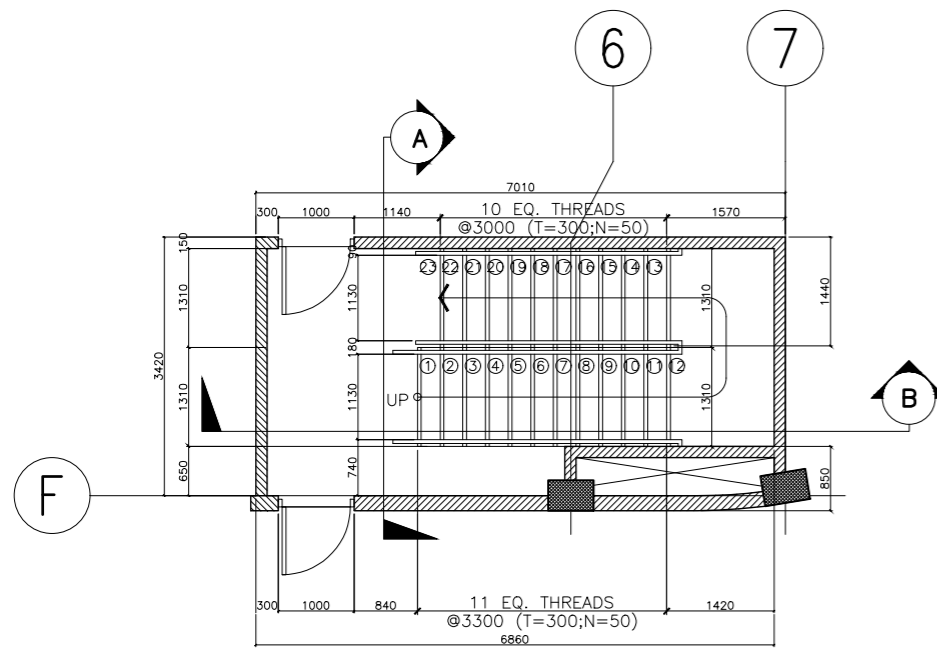
A BASEMENT TO GROUND FLOOR
FIRE EXIT 1
A-26 SCALE: 1:50



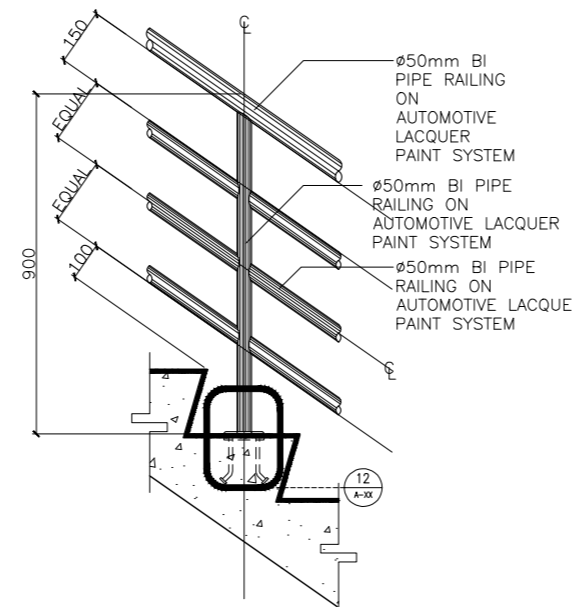
C SECOND FLOOR TO THIRD FLOOR
FIRE EXIT 1
A-26 SCALE: 1:50



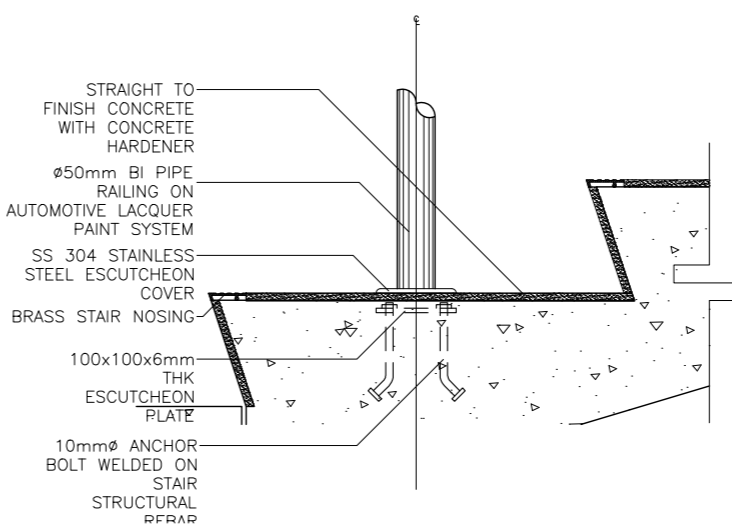
D BASEMENT TO THIRD FLOOR
FIRE EXIT 2
A-26 SCALE: 1:50



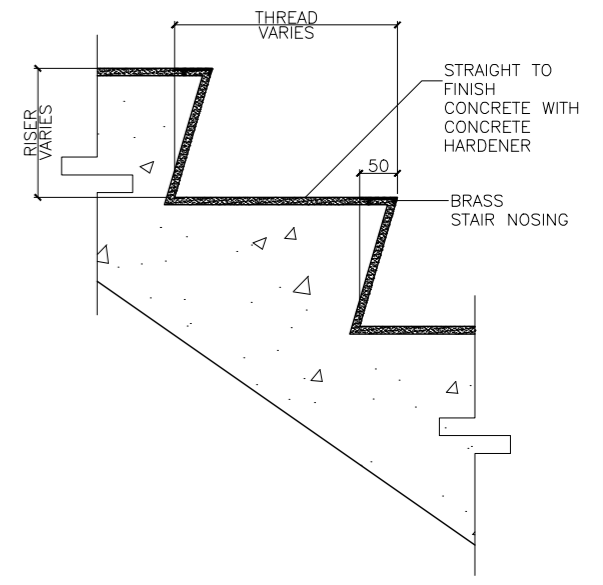
B GROUND FLOOR TO SECOND FLOOR
FIRE EXIT 1
A-26 SCALE: 1:50



1 FIRE EXIT STAIRS
SPOT DETAIL "D"
A-26 SCALE: 1:10 MTS



2 FIRE EXIT STAIRS
SPOT DETAIL "E"
A-26 SCALE: 1:5 MTS



3 FIRE EXIT STAIRS
SPOT DETAIL "F"
A-26 SCALE: 3

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
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LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

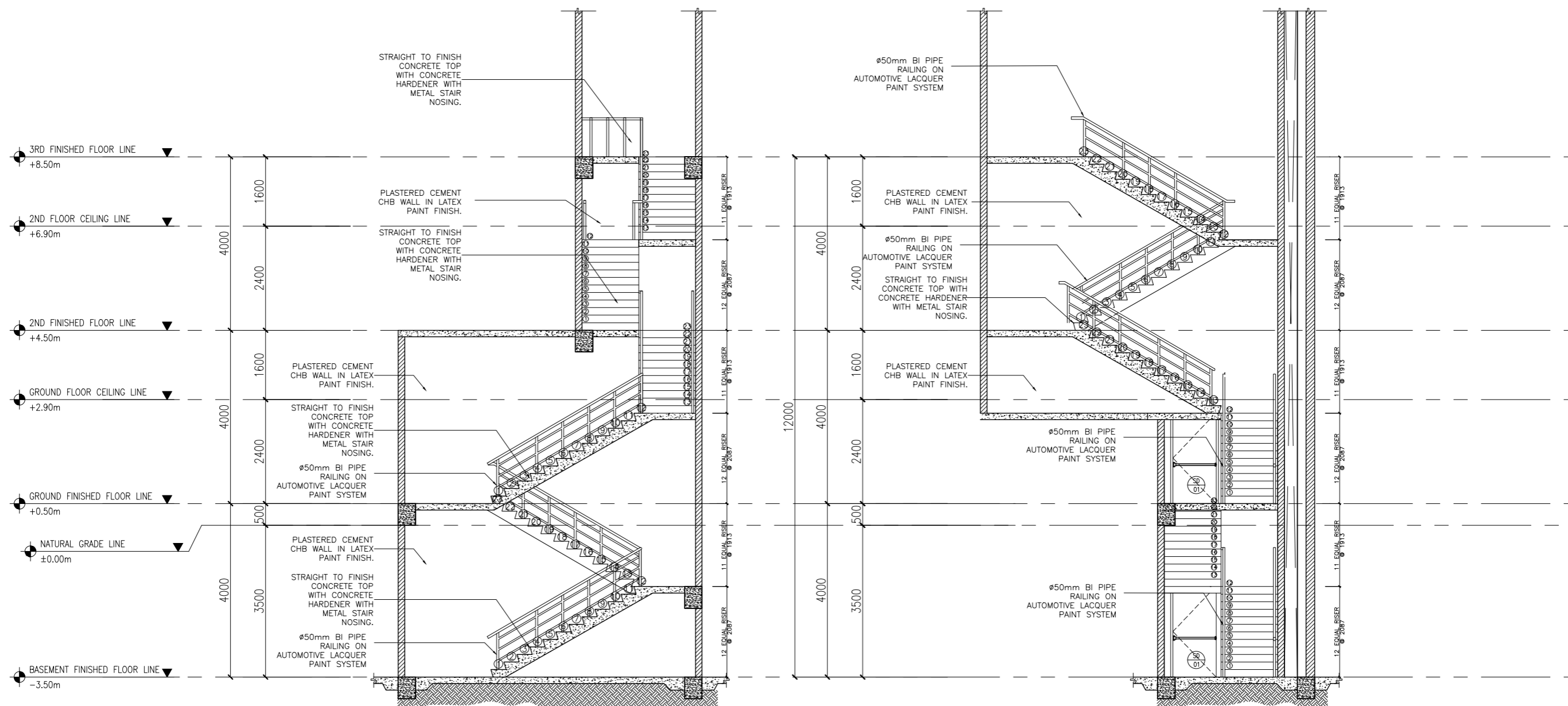
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PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
FIRE EXIT 1 AND FIRE EXIT 2 PLANS

SHEET NO:
A
26 37



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

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

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;
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ARCHITECTS ENGINEERS CONSULTANTS


| | |
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| ARCHITECT: HENRY STEVE R. OLONAN ARCHITECT | |
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|--|
| PROJECT: PROPOSED ACADEMIC BUILDING II |
| LOCATION: Brgy. Rizal, Odiongan, Romblon |

DESIGNED FOR:



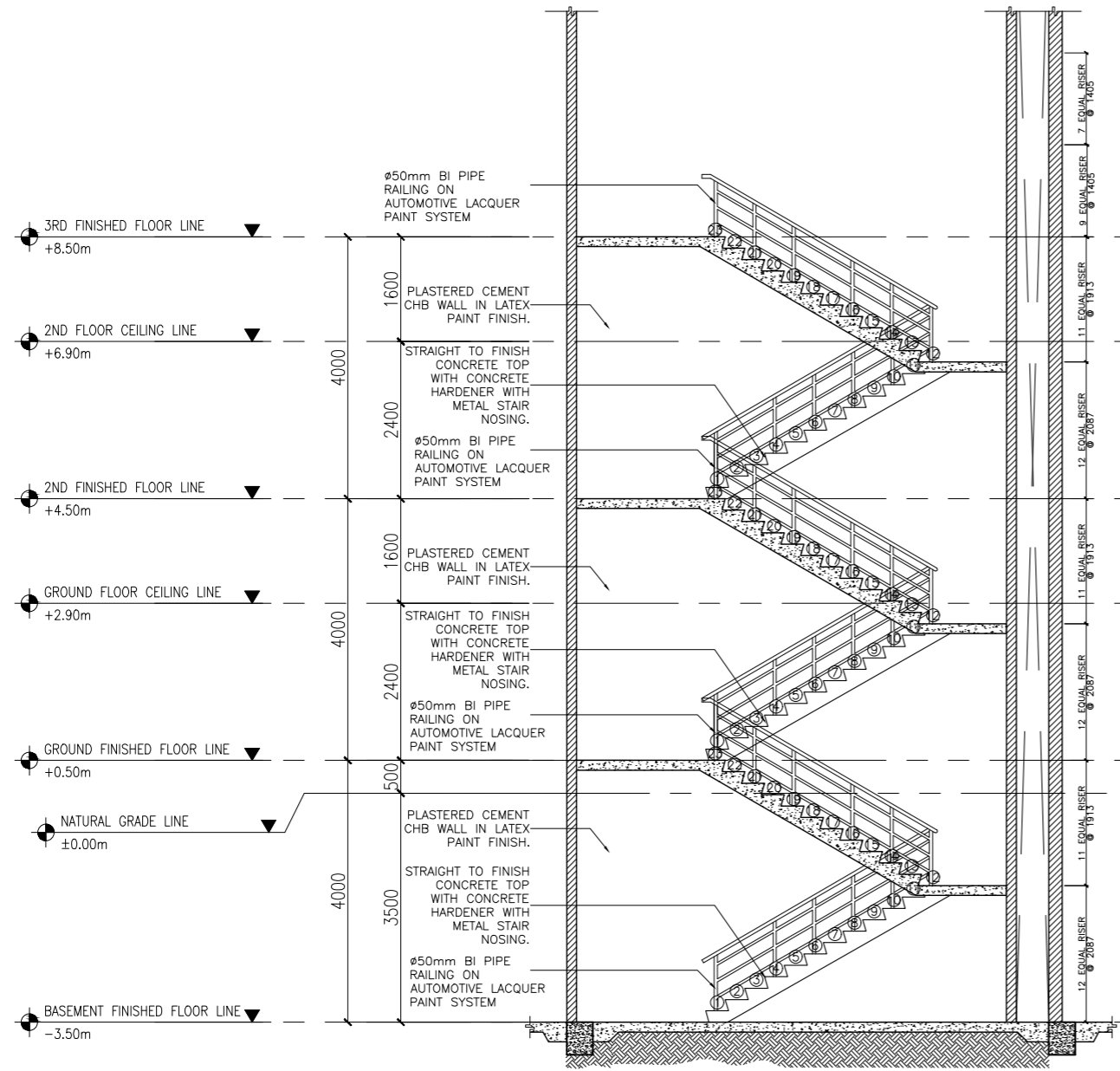
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PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

| |
|--|
| RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF |
|--|

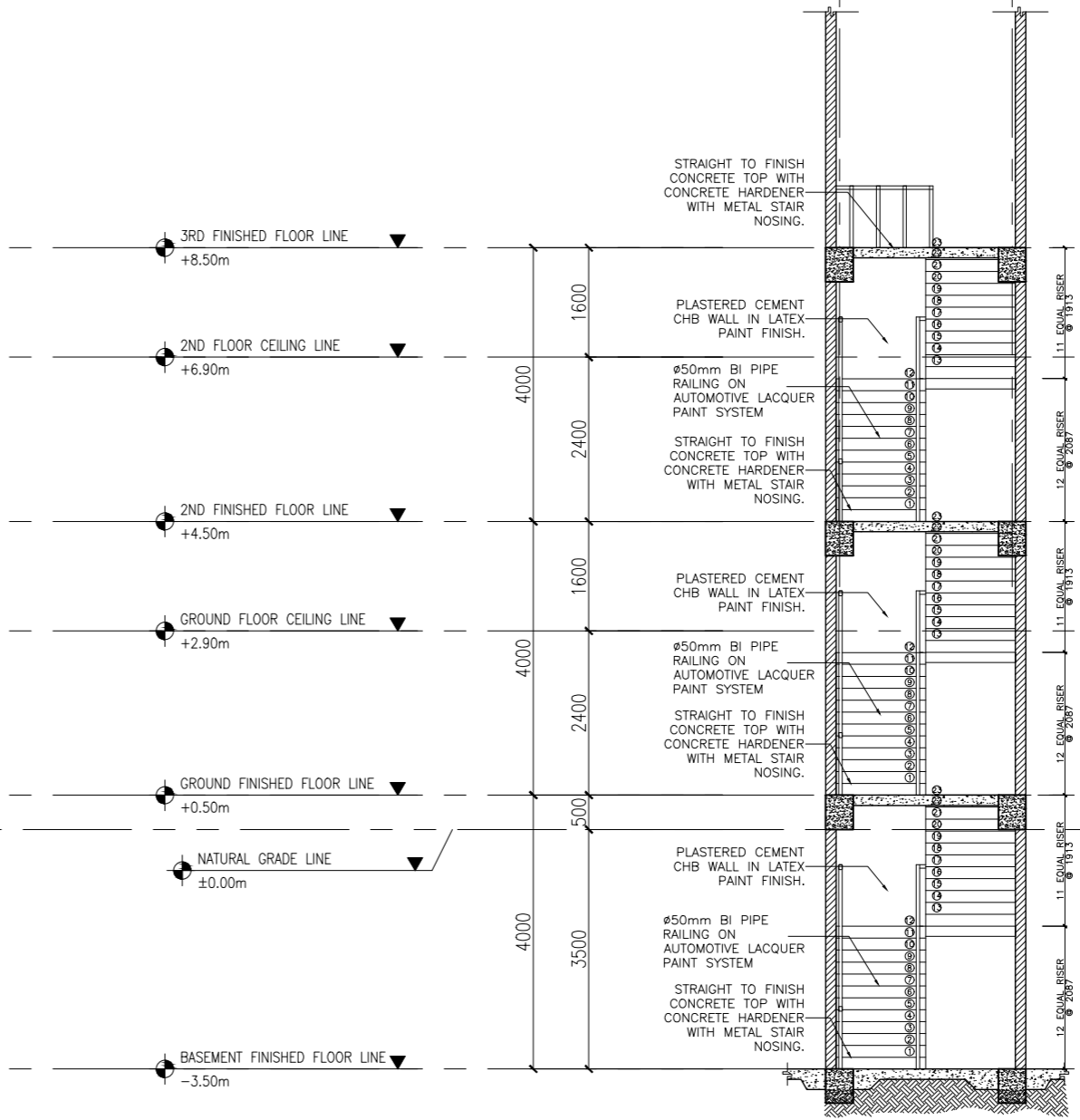
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|---|
| APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR |
|---|

| |
|--|
| SHEET CONTENTS: FIRE EXIT 1 SECTION |
|--|

SHEET NO:
A
27 37

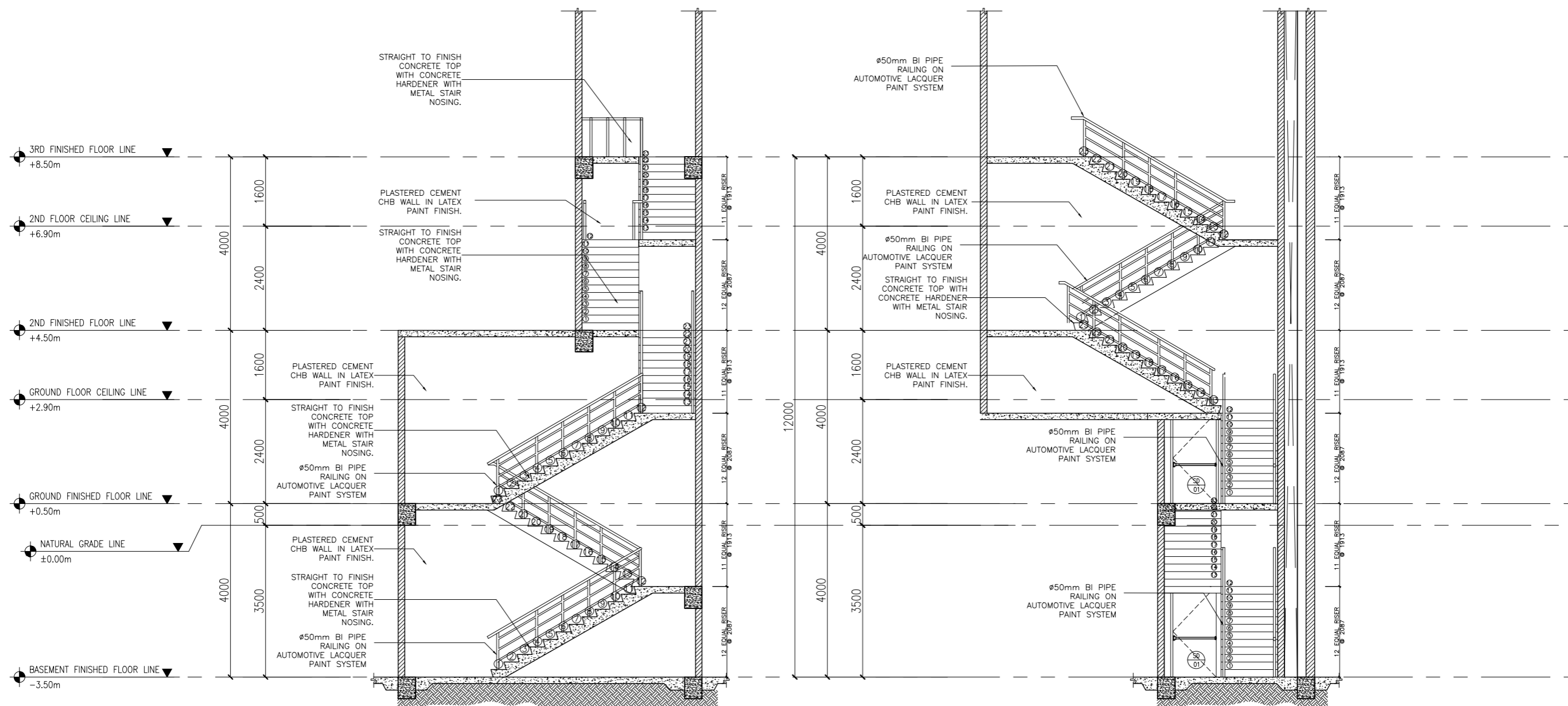


A FIRE EXIT 2 SECTION B
A-28 SCALE: 1:50



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

| | | | | | | | | |
|--|--|---|--|--|--|---|--|--|
| 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 | 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: 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 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;"> A </div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> 28 37 </div> |
| | 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 | PRC No. 17726 PTR No. 0732073 Place: QUEZON CITY | Validity: 04/27/2024 Date: 01/11/2021 TIN: 106186110 | | | | | |



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

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

ENRIQUE O. OLONAN & ASSOCIATES
ARCHITECTS ENGINEERS CONSULTANTS

IN JOINT VENTURE WITH

ENRIQUE O. OLONAN & ASSOCIATES, CO.
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| | |
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| PROJECT: PROPOSED ACADEMIC BUILDING II |
| LOCATION: Brgy. Rizal, Odiongan, Romblon |

DESIGNED FOR:



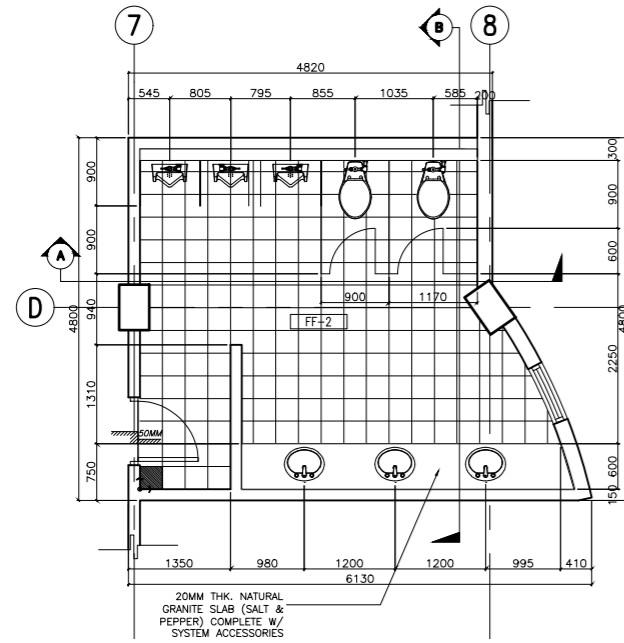
REPUBLIC OF THE PHILIPPINES
PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

| |
|--|
| RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF |
|--|

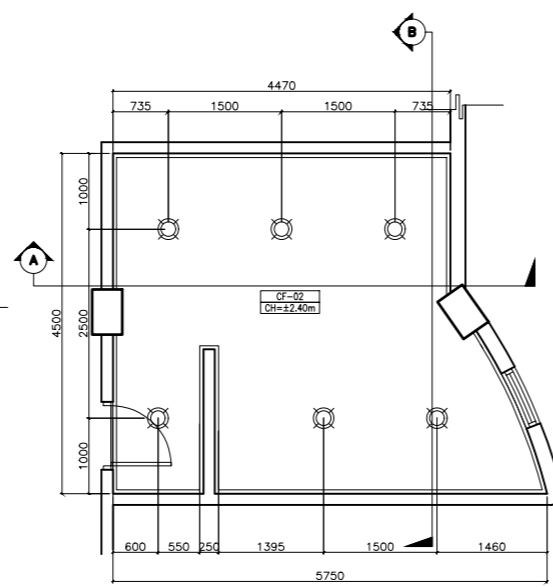
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|---|
| APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR |
|---|

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| SHEET CONTENTS: FIRE EXIT 1 SECTION |
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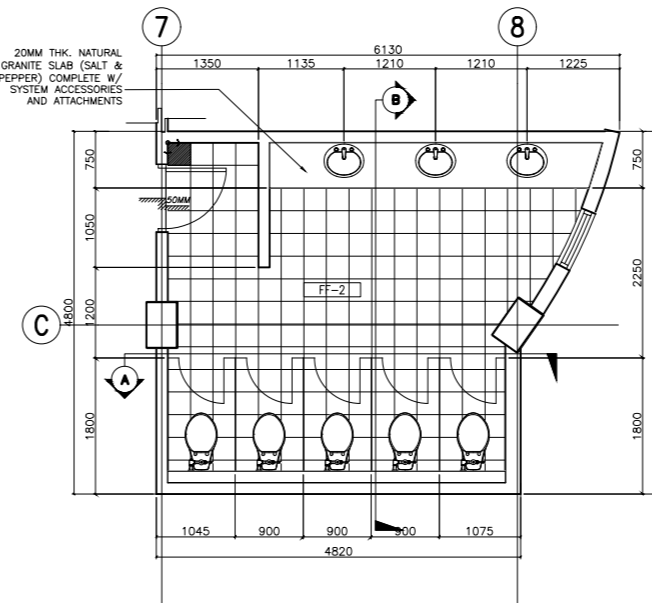
SHEET NO:
A
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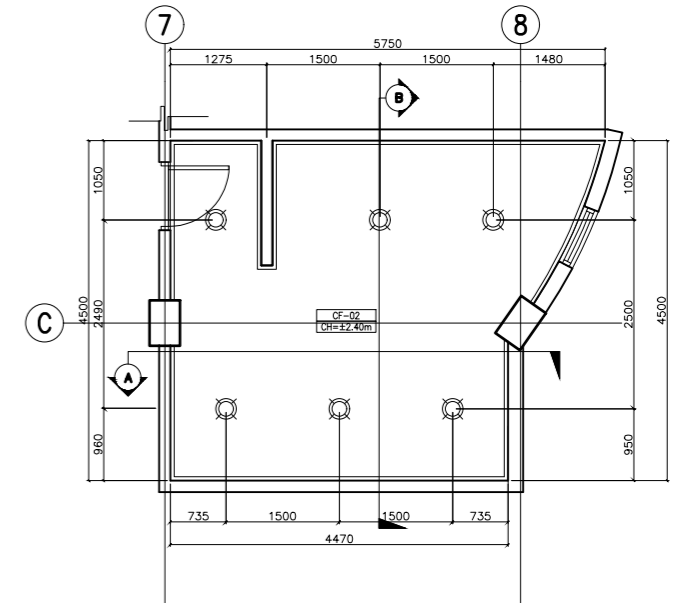
A ACADEMIC BUILDING II - MALE TOILET
TOILET BLOW-UP PLAN
 A-30 SCALE: 1:50m



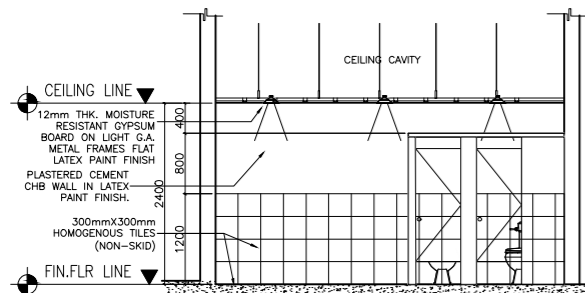
B ACADEMIC BUILDING II - MALE TOILET
REFLECTED CEILING PLAN
 A-30 SCALE: 1:50m



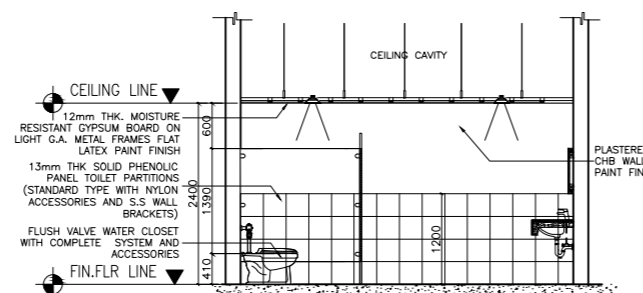
C ACADEMIC BUILDING II - FEMALE TOILET
TOILET BLOW-UP PLAN
 A-30 SCALE: 1:50m



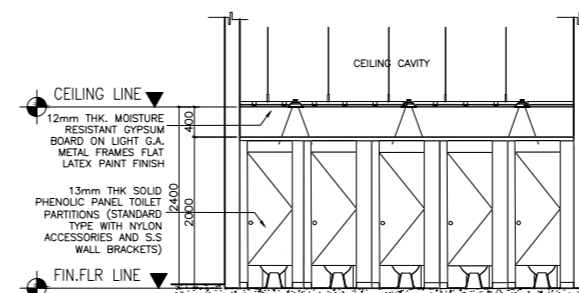
D ACADEMIC BUILDING II - FEMALE TOILET
REFLECTED CEILING PLAN
 A-30 SCALE: 1:50m



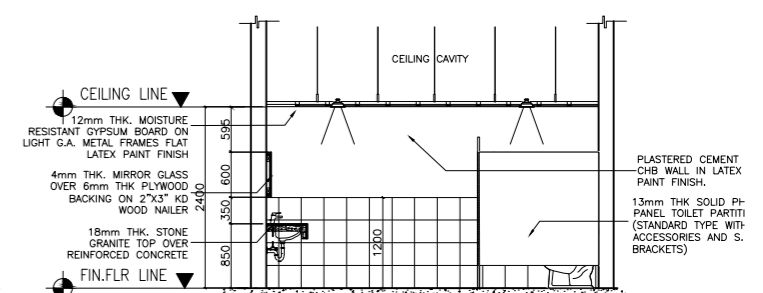
E ACADEMIC BUILDING II - MALE TOILET
SECTION THRU - A
 A-30 SCALE: 1:50m



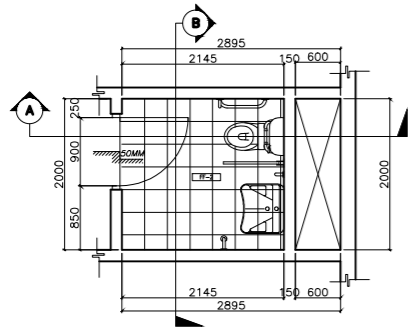
F ACADEMIC BUILDING II - MALE TOILET
SECTION THRU - B
 A-30 SCALE: 1:50m



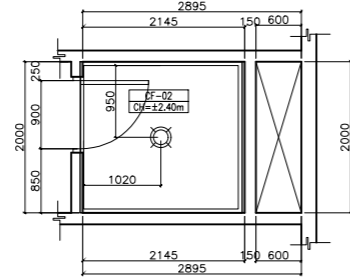
G ACADEMIC BUILDING II - FEMALE TOILET
SECTION THRU - A
 A-30 SCALE: 1:50m



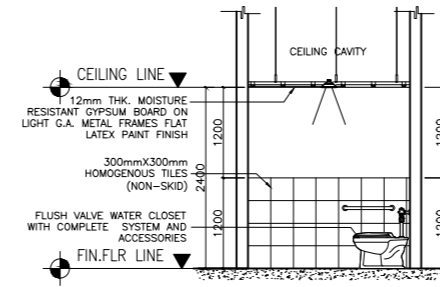
H ACADEMIC BUILDING II - FEMALE TOILET
SECTION THRU - B
 A-30 SCALE: 1:50m



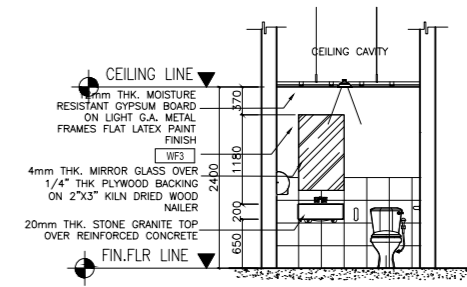
A ACADEMIC BUILDING II - PWD TOILET
TOILET BLOW-UP PLAN
A-31 SCALE: 1:50m



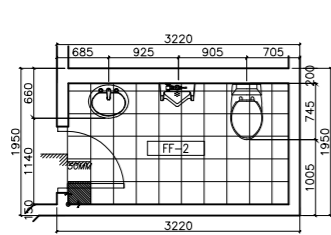
B ACADEMIC BUILDING II - PWD TOILET
REFLECTED CEILING PLAN
A-31 SCALE: 1:50m



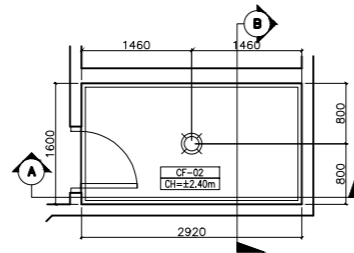
C ACADEMIC BUILDING II - PWD TOILET
SECTION THRU - A
A-31 SCALE: 1:50m



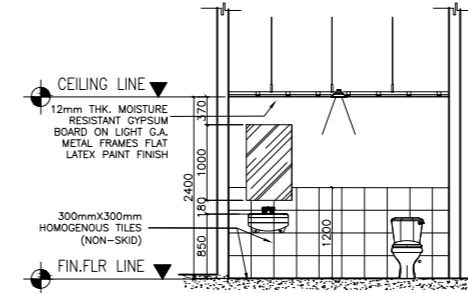
D ACADEMIC BUILDING II - PWD TOILET
SECTION THRU - B
A-31 SCALE: 1:50m



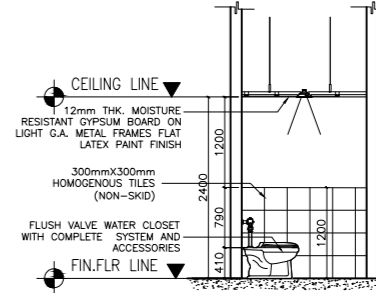
E ACADEMIC BUILDING II - SSD HEAD/CID HEAD/SD HEAD
TOILET BLOW-UP PLAN
A-31 SCALE: 1:50m



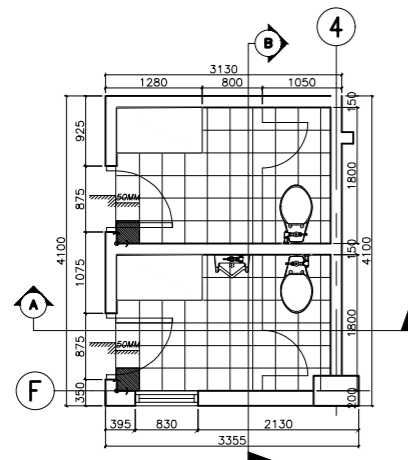
F ACADEMIC BUILDING II - SSD HEAD/CID HEAD/SD HEAD
REFLECTED CEILING PLAN
A-31 SCALE: 1:50m



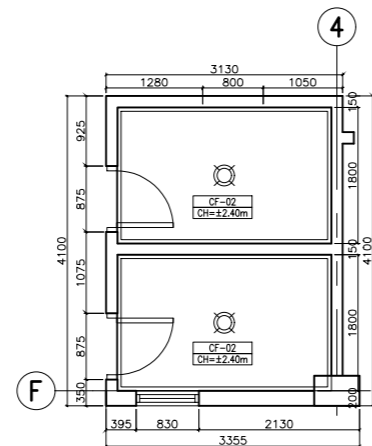
G ACADEMIC BUILDING II - SSD HEAD/CID HEAD/SD HEAD
SECTION THRU - A
A-31 SCALE: 1:50m



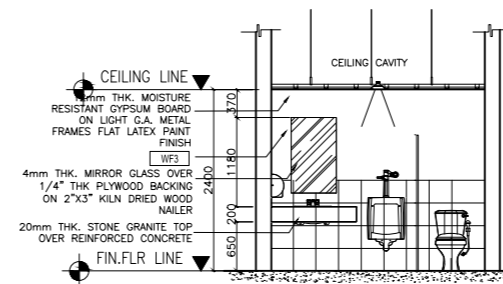
H ACADEMIC BUILDING II - SSD HEAD/CID HEAD/SD HEAD
SECTION THRU - B
A-31 SCALE: 1:50m



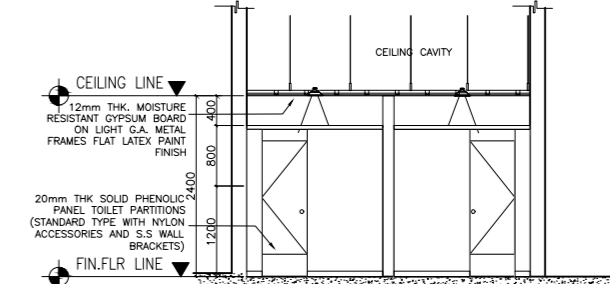
I ACADEMIC BUILDING II - FACULTY ROOM
TOILET BLOW-UP PLAN
A-31 SCALE: 1:50m



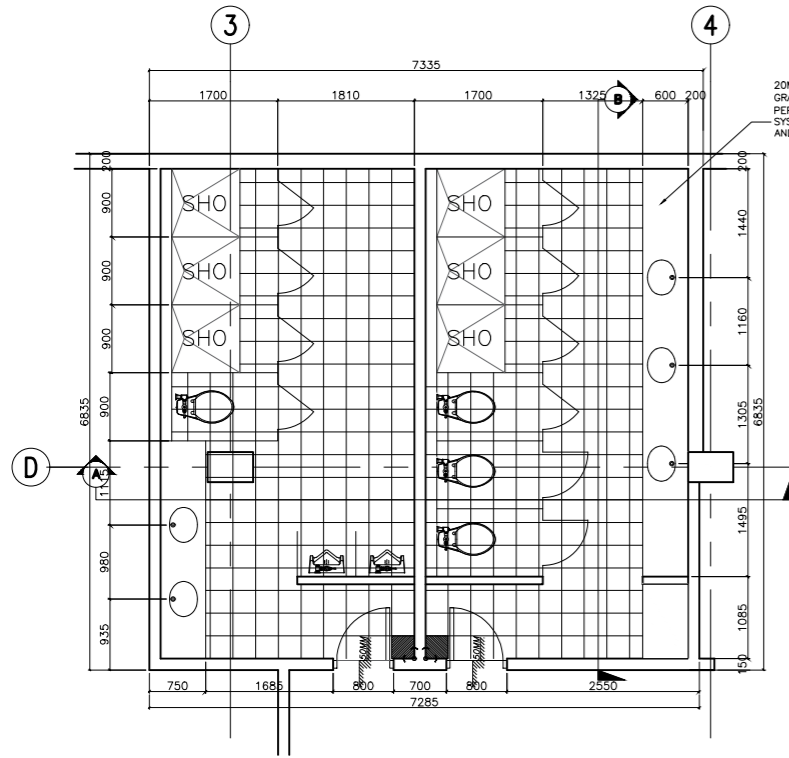
J ACADEMIC BUILDING II - FACULTY ROOM
REFLECTED CEILING PLAN
A-31 SCALE: 1:50m



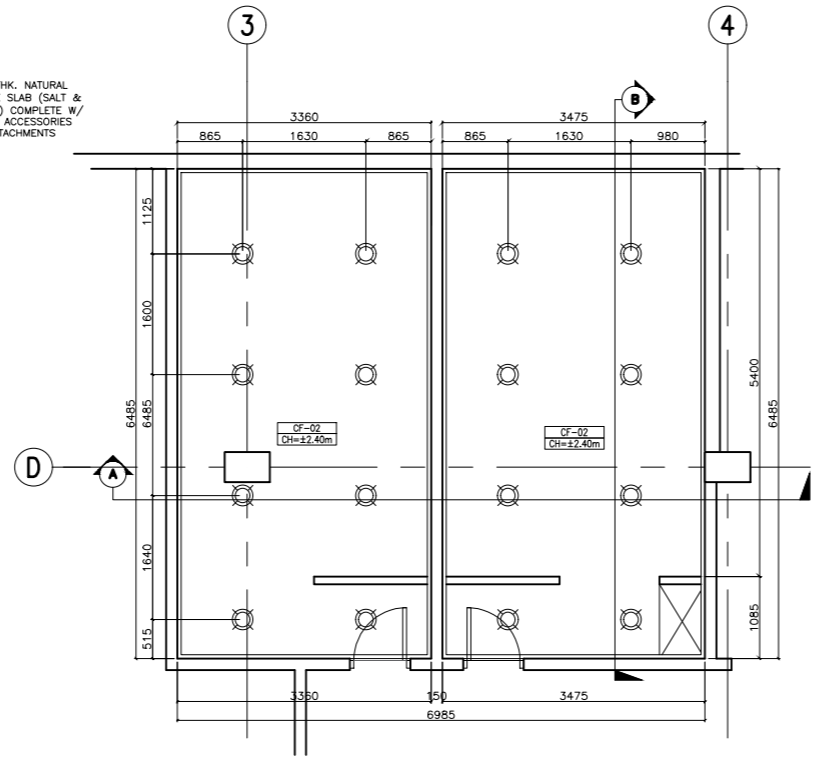
K ACADEMIC BUILDING II - FACULTY ROOM
SECTION THRU - A
A-31 SCALE: 1:50m



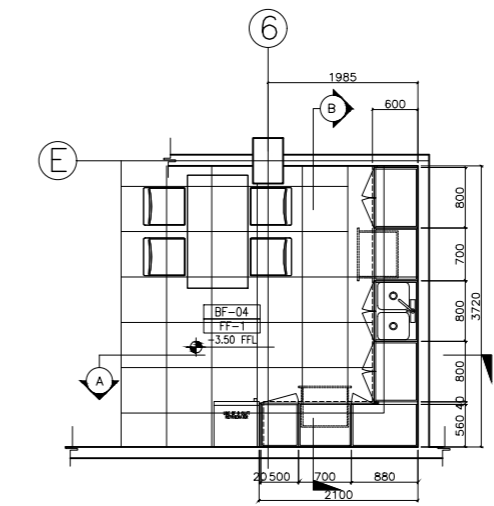
L ACADEMIC BUILDING II - FACULTY ROOM
SECTION THRU - B
A-31 SCALE: 1:50m



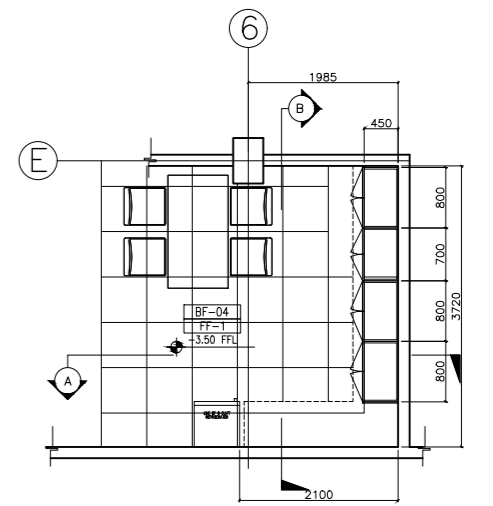
A ACADEMIC BUILDING II - MALE/FEMALE TOILET W/ SHOWER
TOILET BLOW-UP PLAN
 A-32 SCALE: 1:50m



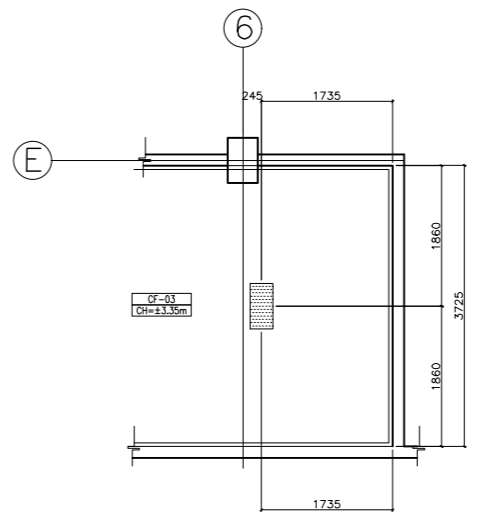
B ACADEMIC BUILDING II - MALE/FEMALE TOILET W/ SHOWER
REFLECTED CEILING PLAN
 A-32 SCALE: 1:50m



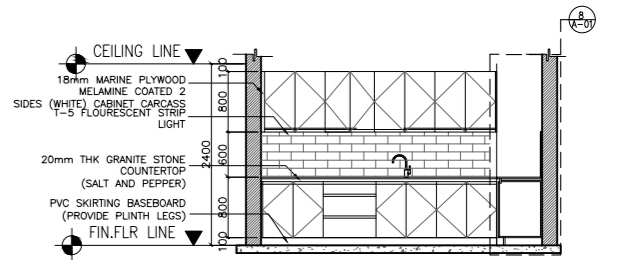
E ACADEMIC BUILDING II - PANTRY
PANTRY BLOW-UP PLAN
 A-32 SCALE: 1:50m



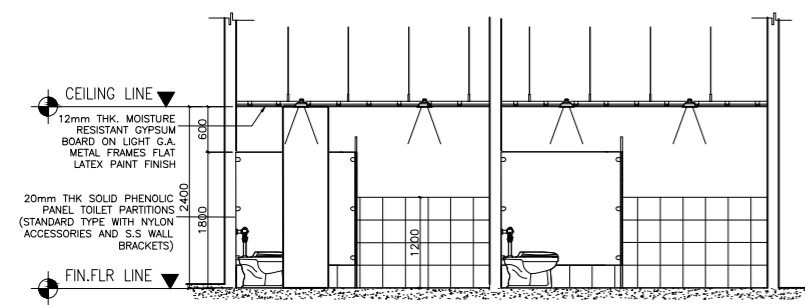
F ACADEMIC BUILDING II - PANTRY
SECTION THRU - A
 A-32 SCALE: 1:50m



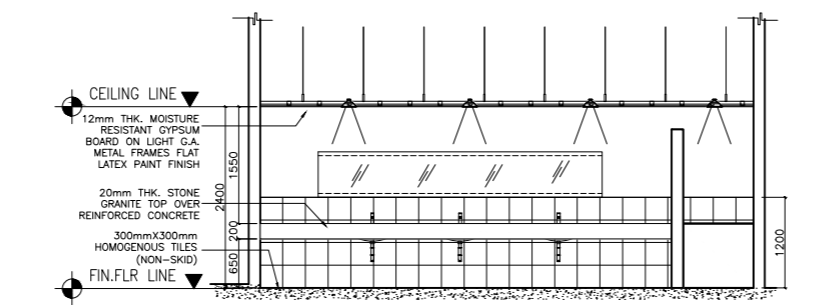
E ACADEMIC BUILDING II - PANTRY
REFLECTED CEILING PLAN
 A-32 SCALE: 1:50m



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



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

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., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS.: 426 7009;
 426 3020/4
 FAX NOS.: 927 6608;
 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

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PROJECT:
PROPOSED ACADEMIC BUILDING II

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

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

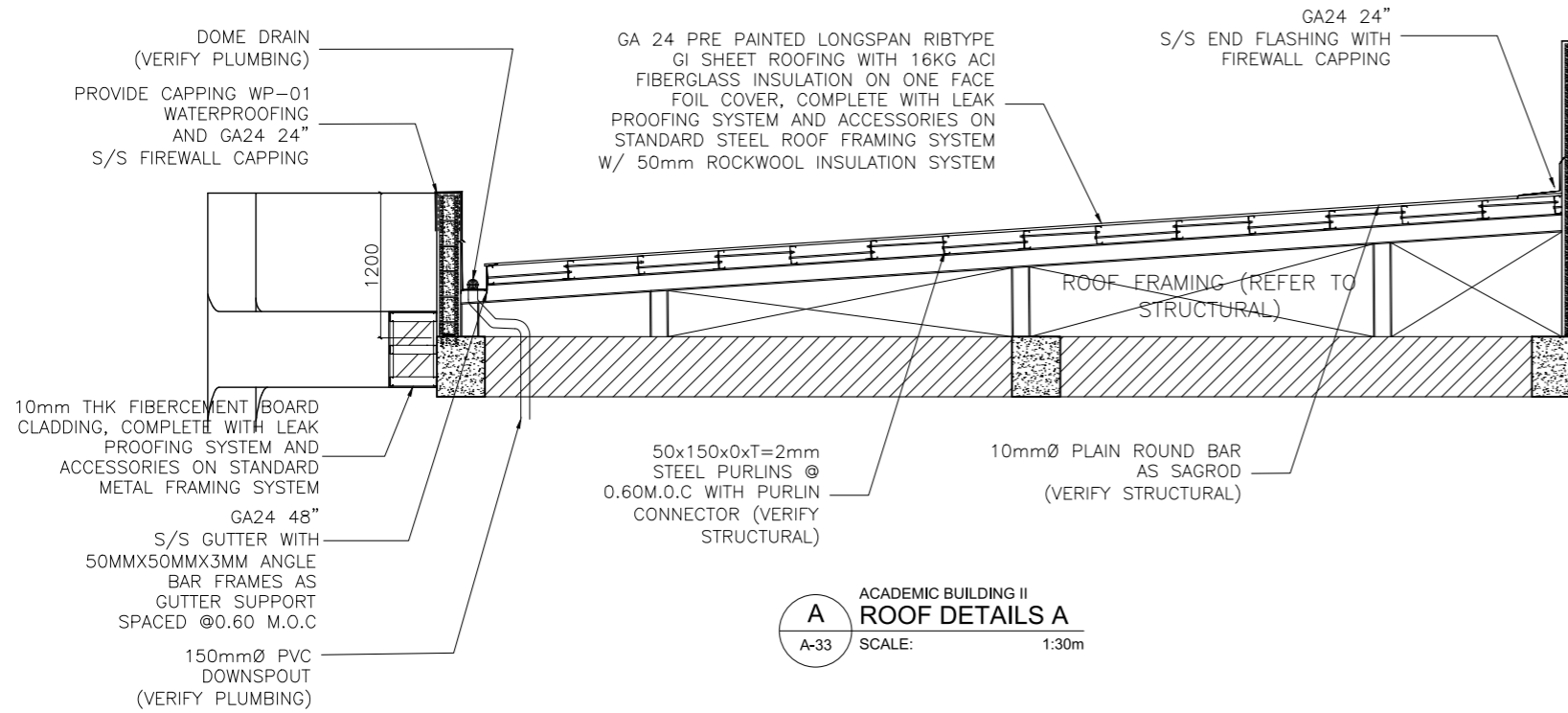
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

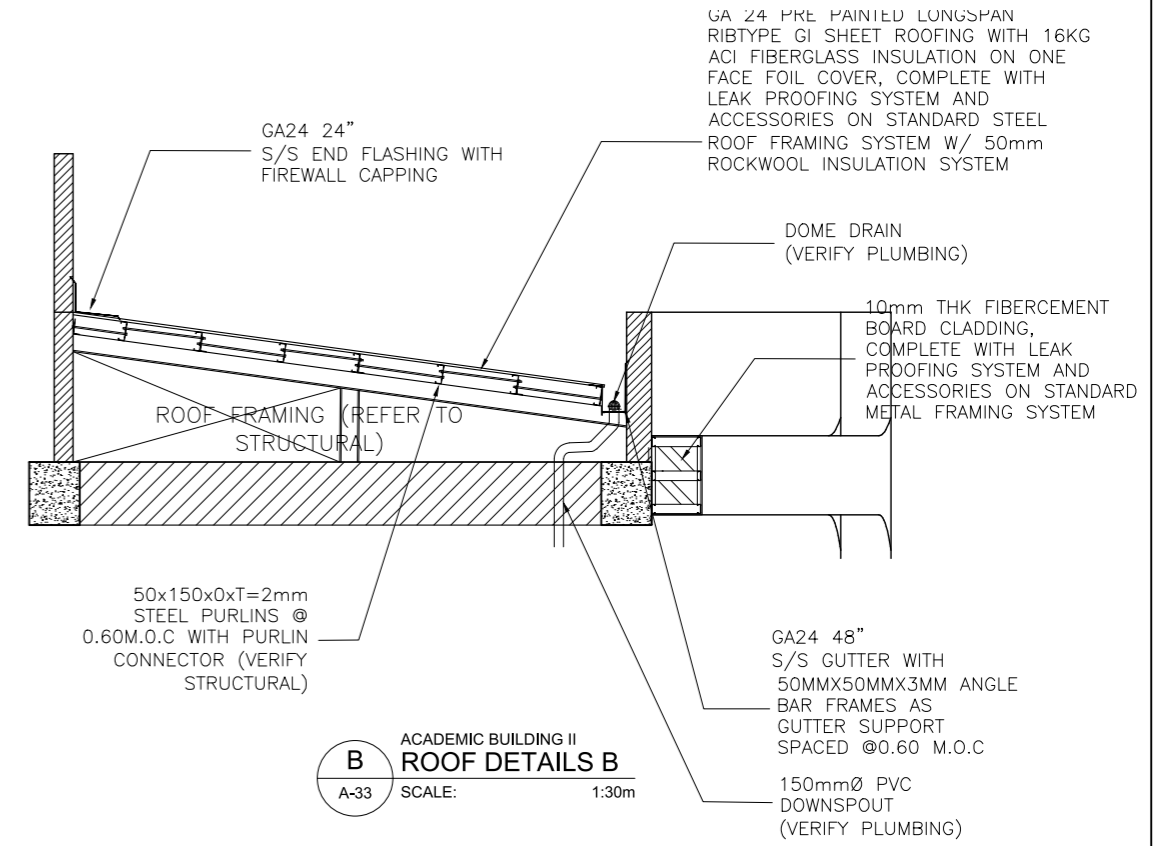
SHEET CONTENTS:
 MALE AND FEMALE W/ SHOWER TOILET DETAILS
 PANTRY DETAIL

SHEET NO:
A
 32 37

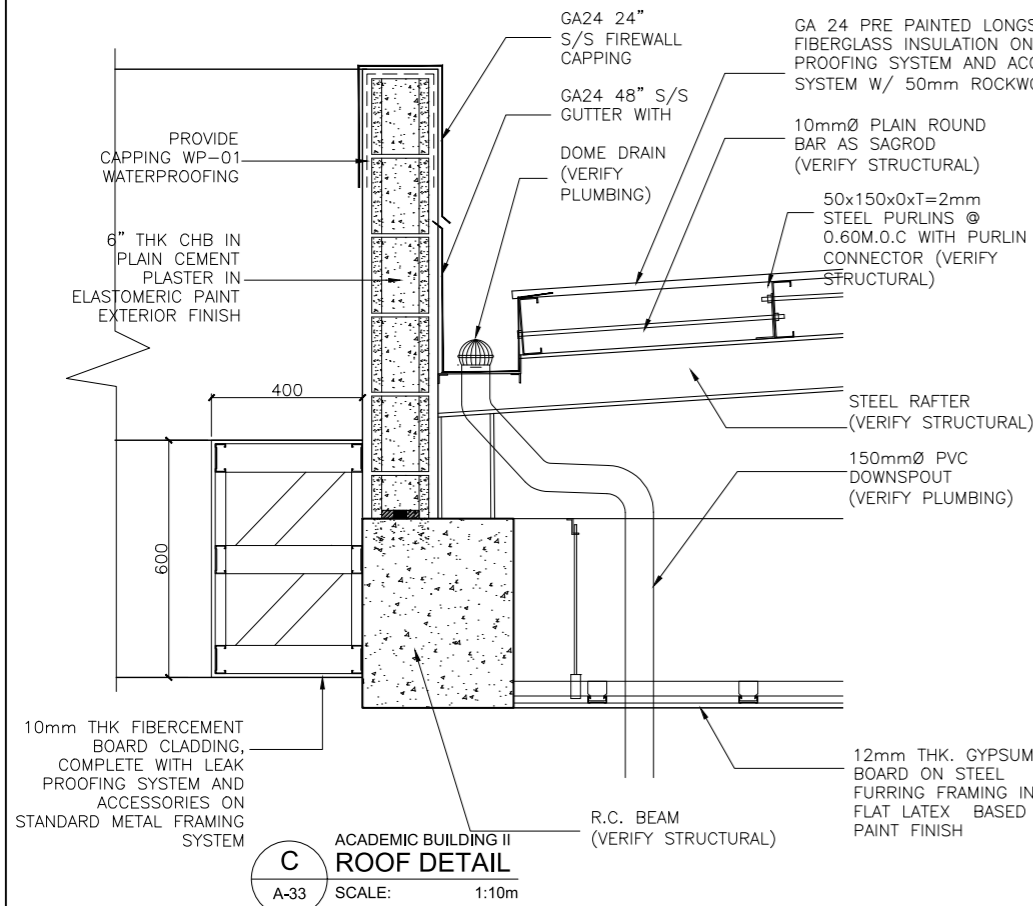
NOTE: ROOFING CONTRACTOR TO SUBMIT SHOP DRAWING FOR APPROVAL



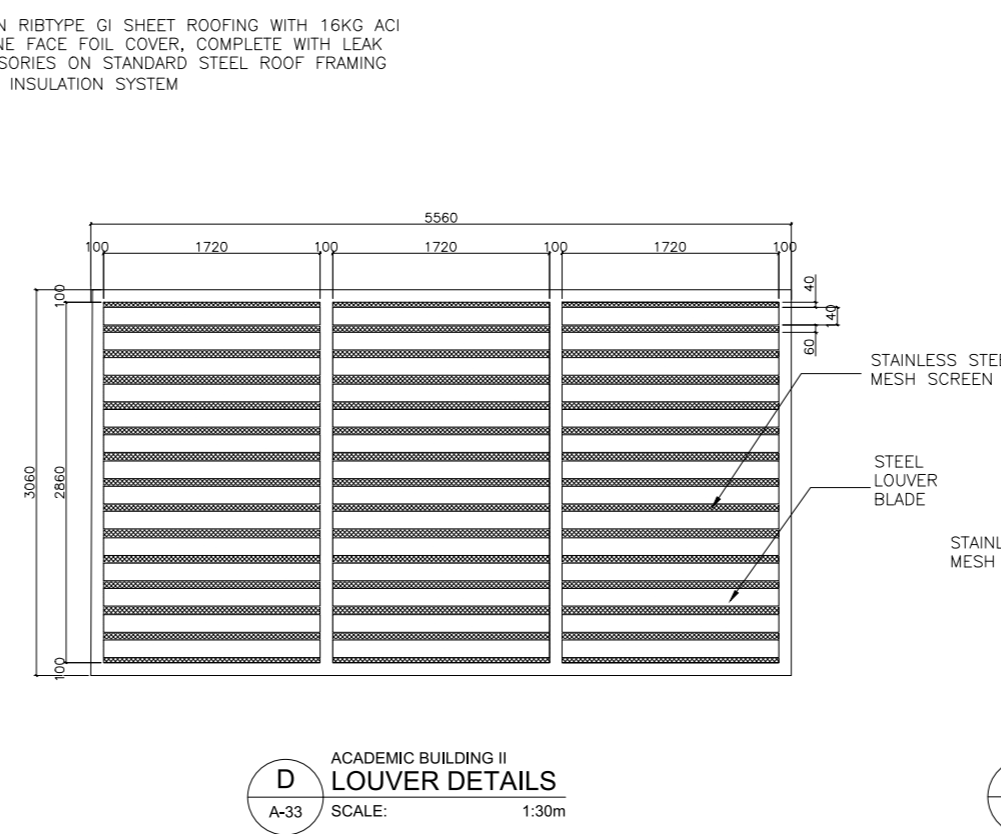
A ACADEMIC BUILDING II
ROOF DETAILS A
A-33 SCALE: 1:30m



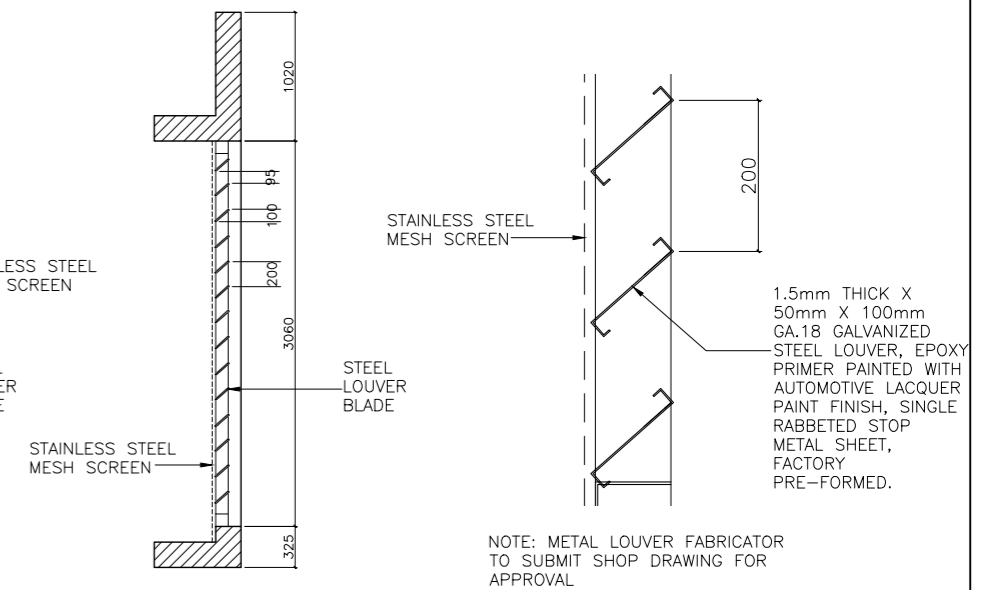
B ACADEMIC BUILDING II
ROOF DETAILS B
A-33 SCALE: 1:30m



C ACADEMIC BUILDING II
ROOF DETAIL
A-33 SCALE: 1:10m



D ACADEMIC BUILDING II
LOUVER DETAILS
A-33 SCALE: 1:30m



E ACADEMIC BUILDING II
LOUVER DETAILS
A-33 SCALE: 1:30m

F ACADEMIC BUILDING II
LOUVER BLADE DETAILS
A-33 SCALE: 1:5m

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ARCHITECTS ENGINEERS CONSULTANTS
IN JOINT VENTURE WITH
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TEL. NOS: 426 7009;
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PROJECT:
PROPOSED ACADEMIC BUILDING II

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

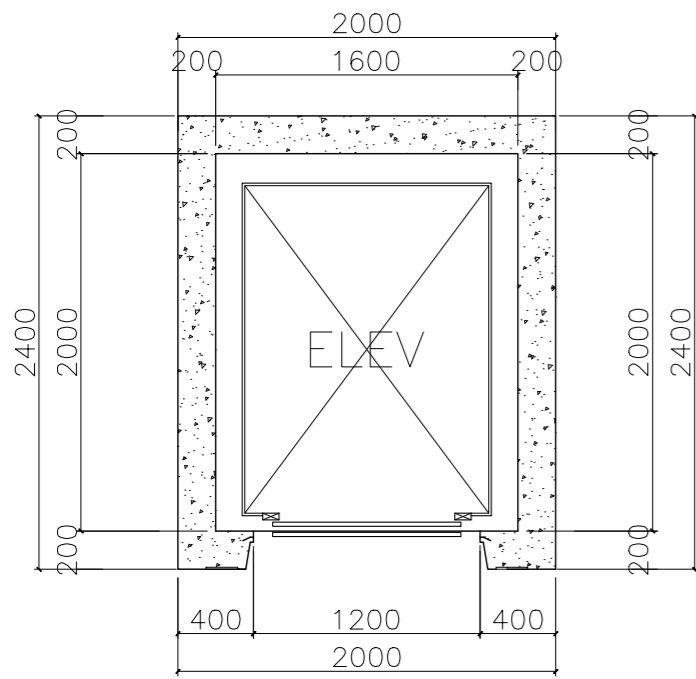
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

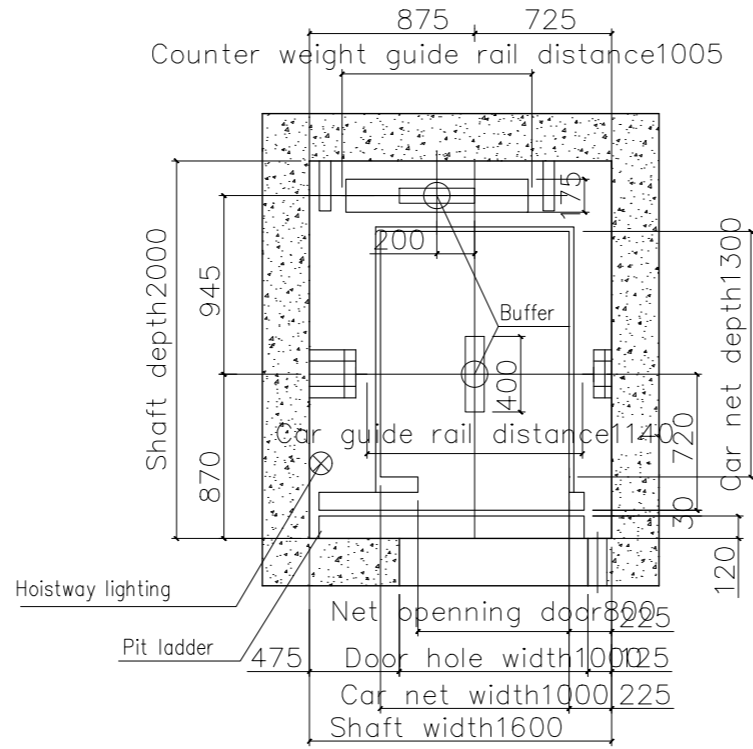
LOCATION: Brgy. Rizal, Odiongan, Romblon

SHEET CONTENTS:
ROOF DETAILS
LOUVER DETAILS

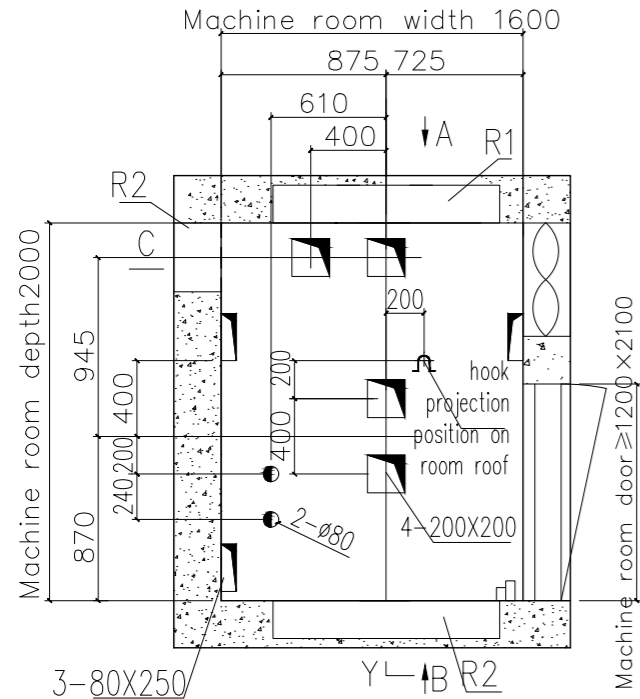
SHEET NO:
A
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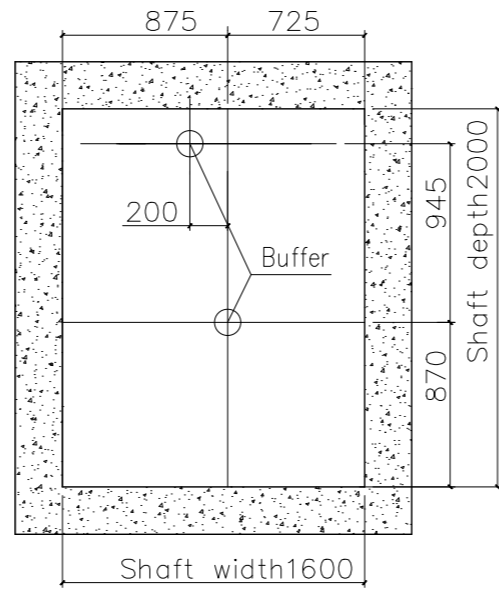
A ACADEMIC BUILDING II
BLOW-UP PLAN
A-34 SCALE: 1:20m



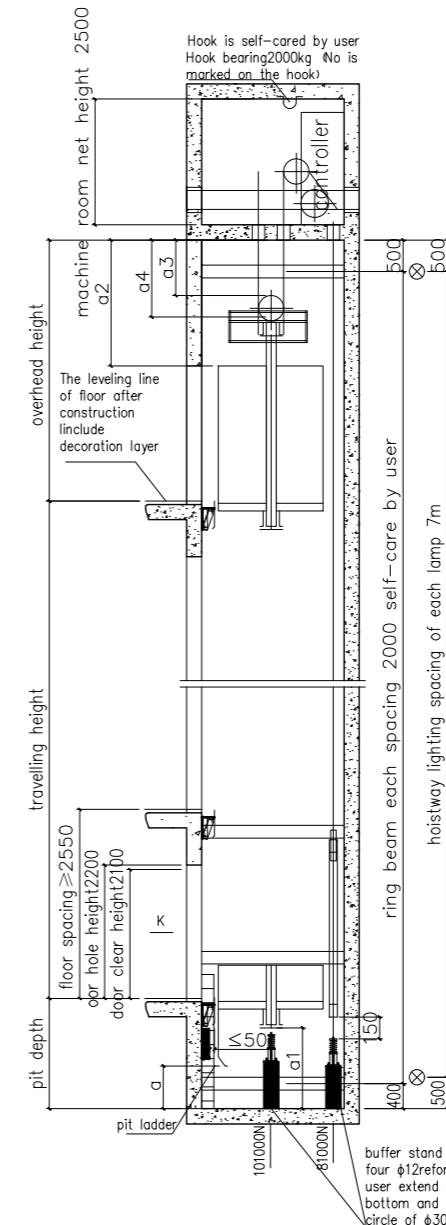
B ACADEMIC BUILDING II
HOISTWAY LAYOUT
A-34 SCALE: 1:20m



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

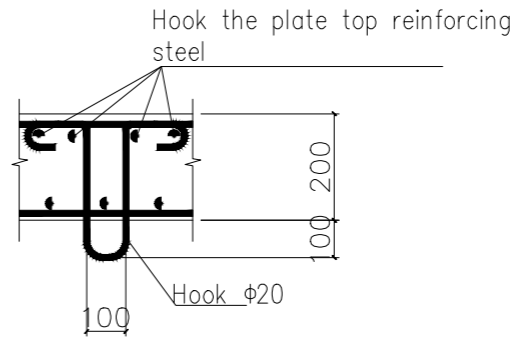


D ACADEMIC BUILDING II
BUFFER LAYOUT
A-34 SCALE: 1:20m

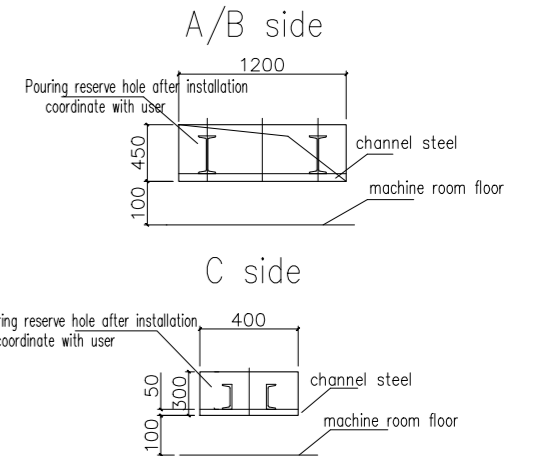


E ACADEMIC BUILDING II
HOISTWAY ELEVATIONAL DRAWING (Y-Y)
A-34 SCALE: 1:30m

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



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ARCHITECTS ENGINEERS CONSULTANTS
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ARCHITECTS ENGINEERS CONSULTANTS

ARCHITECT:
HENRY STEVE R. OLONAN
ARCHITECT
PRC No. 17726 Validity: 04/27/2024
PTR No. 0732073 Date: 01/11/2021
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PROJECT:
PROPOSED ACADEMIC BUILDING II
LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:
**REPUBLIC OF THE PHILIPPINES
PHILIPPINE SCIENCE HIGH SCHOOL -
MMAROPA 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 | | | | |
| BASEMENT FLOOR | | | | | | | |
| BF-01 | Basement Lobby | FF-01 | 600mm x 600mm x 10mm THK POLISHED HOMOGENOUS TILES | WF-01 | PLAIN CEMENT PLASTER WALL IN SEMI-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS LATEX PAINT FINISH | CF-03 | SLAB SOFFIT IN LATEX PAINT FINISH |
| BF-11 | Toilet (Male) | FF-02 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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-GLASS LATEX PAINT FINISH | CF-04 | STAIR SOFFIT IN LATEX PAINT FINISH |
| GROUND FLOOR | | | | | | | |
| GF-01 | Entrance Lobby | FF-04 | 50mm THK SMOOTH FINISH CONCRETE TOPPING | WF-01 | PLAIN CEMENT PLASTER WALL IN SEMI-GLASS 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-GLASS 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-GLASS LATEX PAINT FINISH | CF-03 | SLAB SOFFIT IN LATEX PAINT FINISH |
| GF-04 | Ferrale Toilet (Faculty Room) | FF-02 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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-GLASS 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-GLASS 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-GLASS LATEX PAINT FINISH | CF-03 | SLAB SOFFIT IN LATEX PAINT FINISH |
| GF-09 | Male Toilet | FF-02 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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-GLASS 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-GLASS 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-GLASS 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-GLASS LATEX PAINT FINISH | CF-03 | SLAB SOFFIT IN LATEX PAINT FINISH |
| GF-23 | Toilet (SSD) | FF-02 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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 | 300mm x 300mm HOMOGENOUS TILES (NON-SKID) | WF-03 | 300mm x 300mm 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS 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-GLASS LATEX PAINT FINISH | CF-03 | SLAB SOFFIT IN LATEX PAINT FINISH |

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 IN JOINT VENTURE WITH
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 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 PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.

PROJECT:
PROPOSED ACADEMIC BUILDING II

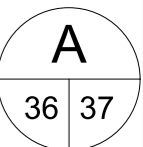
LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

 REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL -
 MARIKINA 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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 | PLAN 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

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

DESIGNED FOR:

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

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 ELEVATOR DETAILS
 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(g) 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

| | |
|------|--|
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| E-03 | ELECTRICAL SITE DEVELOPMENT |
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| 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 |
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| E-16 | MISCELLANEOUS DETAILS |
| E-17 | MISCELLANEOUS DETAILS |

POWER LEGEND

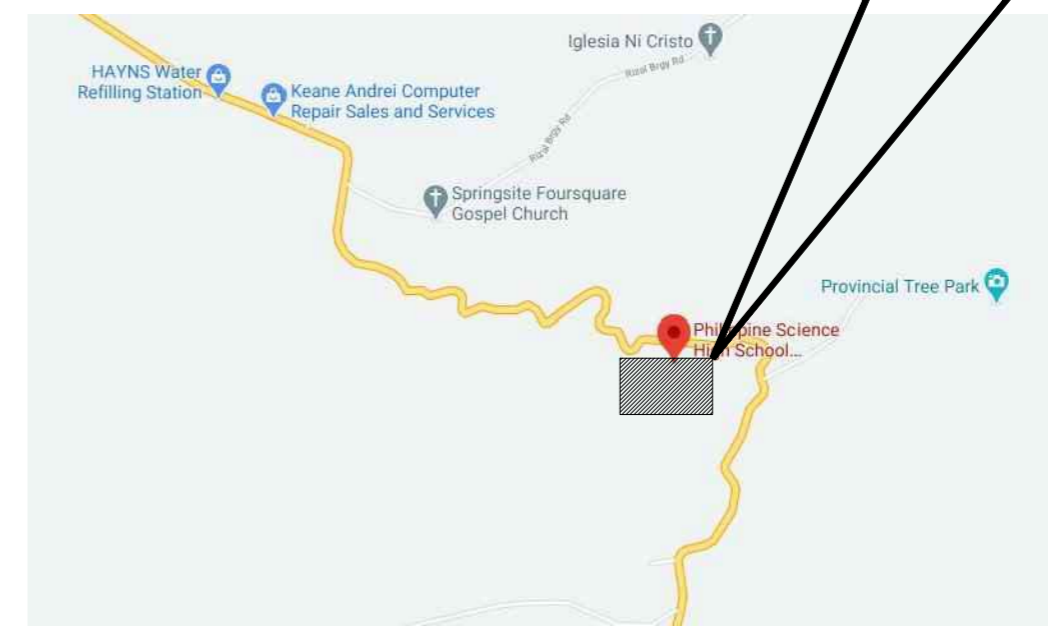
| | |
|--|---|
| | DUPLIX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT |
| | GROUND-FAULT CIRCUIT INTERRUPTER, DUPLIX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT |
| | WEATHERPROOF, DUPLIX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT |
| | TAMPER-RESISTANT, DUPLIX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT |
| | HAND DRYER OUTLET, SIMPLEX RECEPTACLE, 16A, 250V, PARALLEL BLADE GROUNDING SLOT |
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| | 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

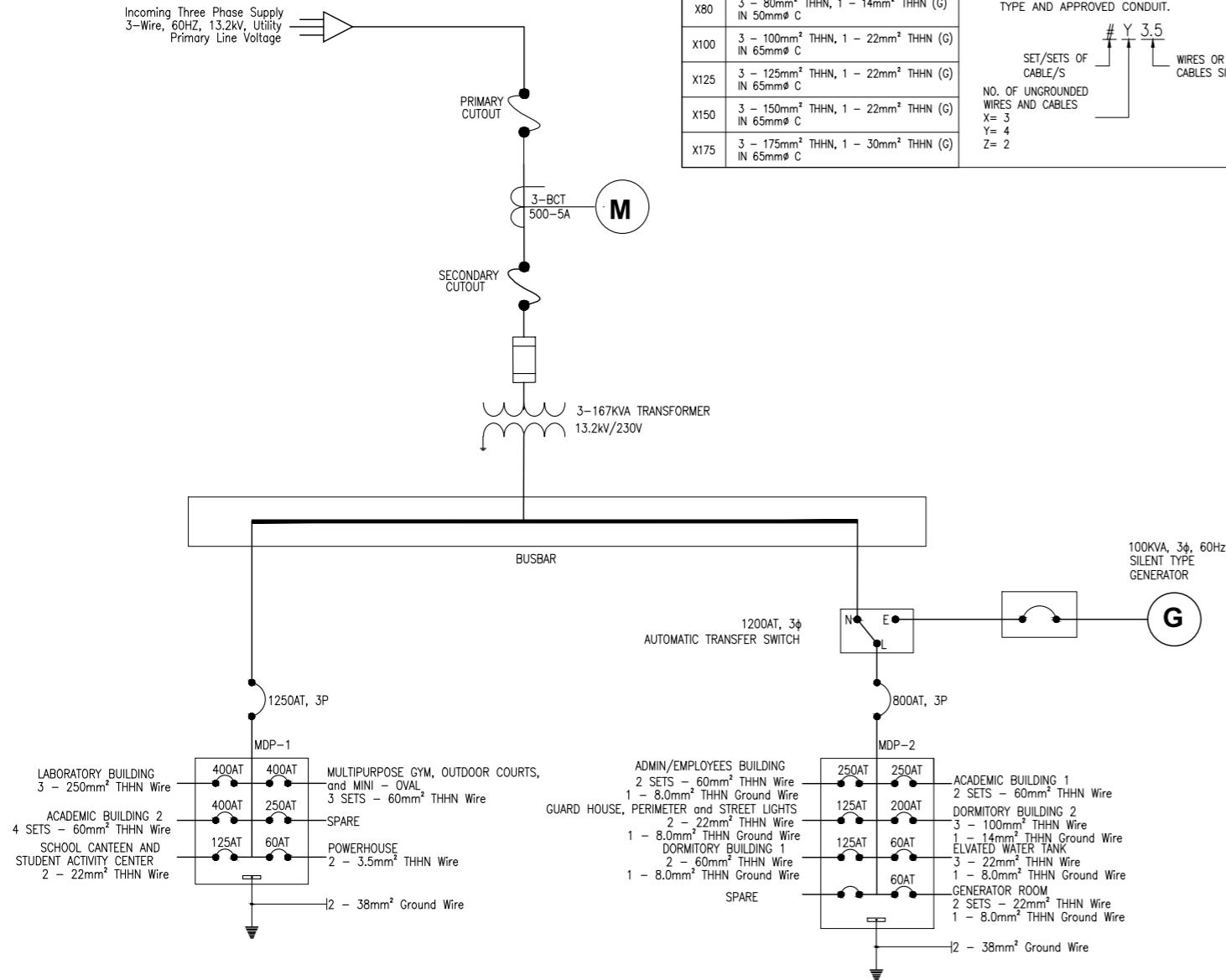
SITE



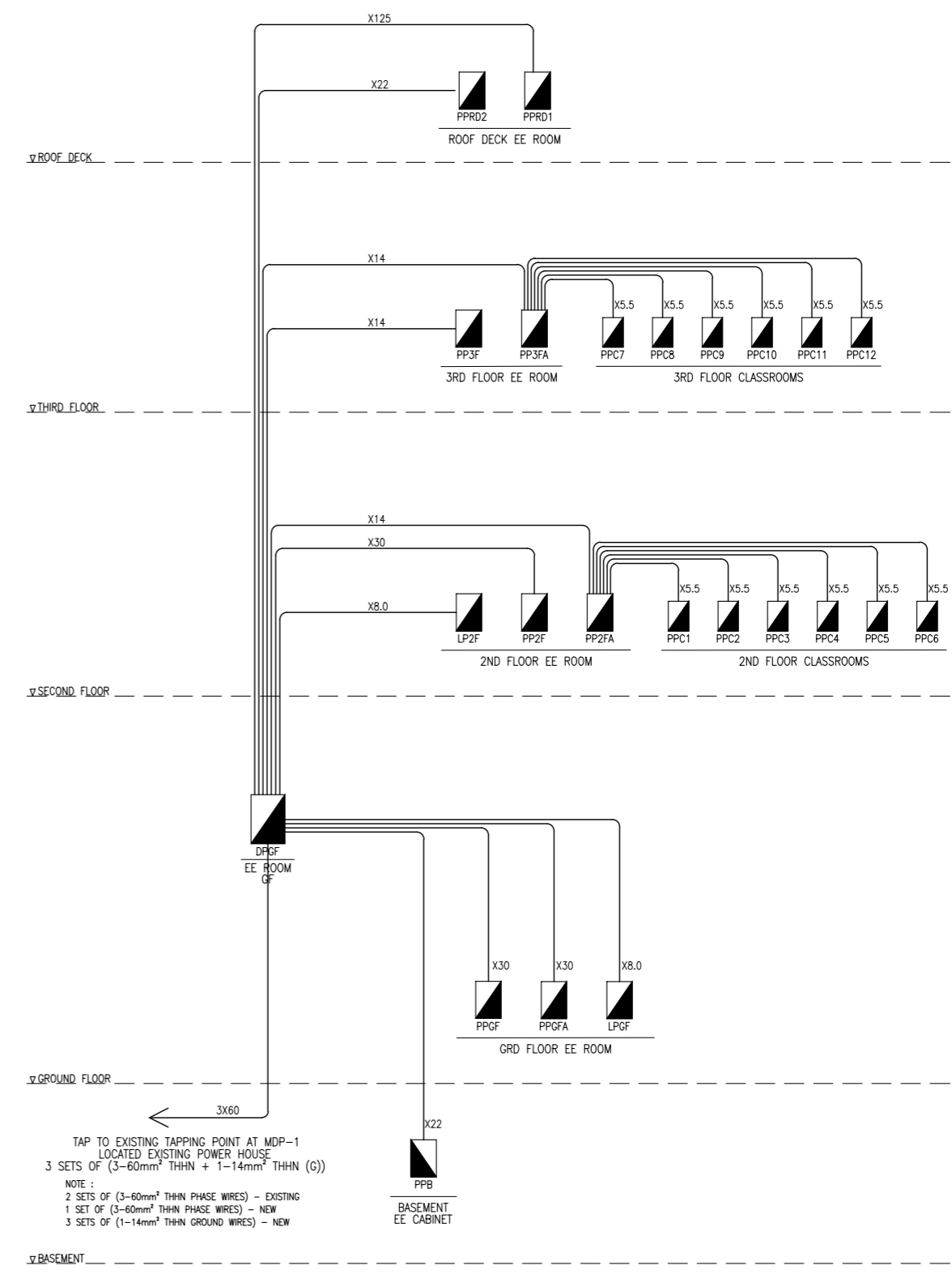
3 VICINITY PLAN
E-01 SCALE: NTS

| | | | | | | | | |
|---|---|---|--|--|--|---|---|---------------------------------|
| <p>ENRIQUE O. OLANON & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLANON & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p> | 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, 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: DRAWING INDEX, GENERAL NOTES, LEGEND AND SYMBOL, ABBREVIATION, VICINITY PLAN | SHEET NO: E 1 17 |
|---|---|---|--|--|--|---|---|---------------------------------|

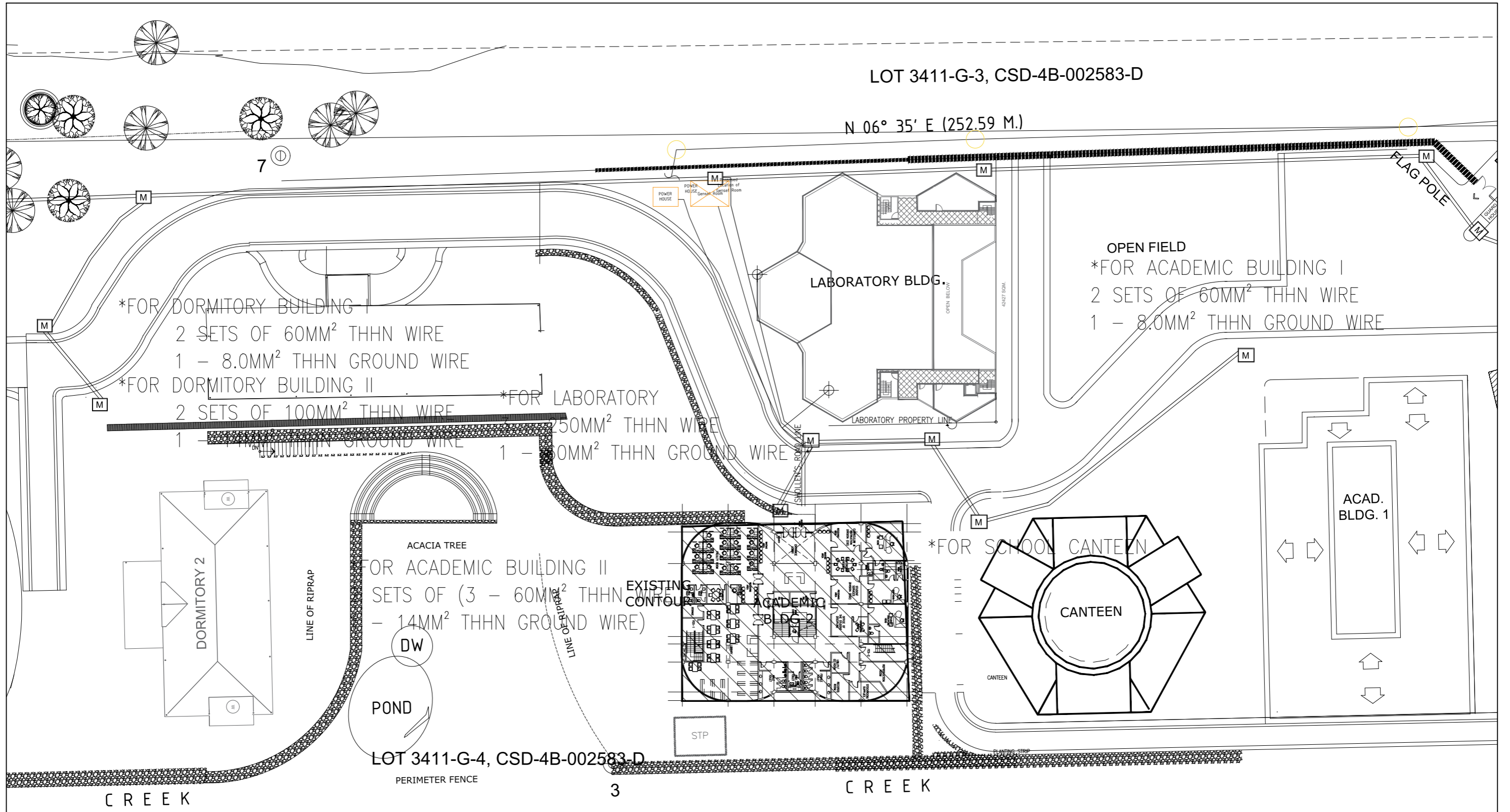
| SYMBOL | SIZES OF WIRES & CONDUIT | SYMBOL | SIZES OF WIRES & CONDUIT |
|--------|---|--|---|
| X3.5 | 3 - 3.5mm ² THHN, 1 - 3.5mm ² THHN (G) IN 20mm ϕ C | X200 | 3 - 200mm ² THHN, 1 - 30mm ² THHN (G) IN 90mm ϕ C |
| X5.5 | 3 - 5.5mm ² THHN, 1 - 5.5mm ² THHN (G) IN 20mm ϕ C | X250 | 3 - 250mm ² THHN, 1 - 30mm ² THHN (G) IN 90mm ϕ C |
| X8.0 | 3 - 8.0mm ² THHN, 1 - 5.5mm ² THHN (G) IN 25mm ϕ C | 2X125 | 2 SETS (3 - 125mm ² THHN, 1 - 22mm ² THHN (G)) IN 2x65mm ϕ C |
| X14 | 3 - 14mm ² THHN, 1 - 5.5mm ² THHN (G) IN 32mm ϕ C | 2X150 | 2 SETS (3 - 150mm ² THHN, 1 - 22mm ² THHN (G)) IN 2x65mm ϕ C |
| X22 | 3 - 22mm ² THHN, 1 - 8.0mm ² THHN (G) IN 40mm ϕ C | 2X175 | 2 SETS (3 - 175mm ² THHN, 1 - 30mm ² THHN (G)) IN 2x65mm ϕ C |
| X30 | 3 - 30mm ² THHN, 1 - 8.0mm ² THHN (G) IN 40mm ϕ C | 2X200 | 2 SETS (3 - 200mm ² THHN, 1 - 30mm ² THHN (G)) IN 2x90mm ϕ C |
| X38 | 3 - 38mm ² THHN, 1 - 14mm ² THHN (G) IN 40mm ϕ C | 2X250 | 2 SETS (3 - 250mm ² THHN, 1 - 50mm ² THHN (G)) IN 2x90mm ϕ C |
| X50 | 3 - 50mm ² THHN, 1 - 14mm ² THHN (G) IN 50mm ϕ C | NOTES: 1. REFER TO DRAWING INDEX FOR METHODS OF WIRING FOR TYPE OF CONDUIT. 2. REFER TO TECHNICAL SPECIFICATIONS FOR TYPE AND APPROVED CONDUIT. SET/SETS OF CABLE/S NO. OF UNGROUNDED WIRES AND CABLES X= 3 Y= 4 Z= 2 | |
| X60 | 3 - 60mm ² THHN, 1 - 14mm ² THHN (G) IN 50mm ϕ C | | |
| X80 | 3 - 80mm ² THHN, 1 - 14mm ² THHN (G) IN 50mm ϕ C | | |
| X100 | 3 - 100mm ² THHN, 1 - 22mm ² THHN (G) IN 65mm ϕ C | | |
| X125 | 3 - 125mm ² THHN, 1 - 22mm ² THHN (G) IN 65mm ϕ C | | |
| X150 | 3 - 150mm ² THHN, 1 - 22mm ² THHN (G) IN 65mm ϕ C | | |
| X175 | 3 - 175mm ² THHN, 1 - 30mm ² THHN (G) IN 65mm ϕ C | | |



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



2 ACADEMIC BUILDING II
ELECTRICAL SINGLE LINE DIAGRAM
 E-02 SCALE: NTS



1 ACADEMIC BUILDING II
ELECTRICAL SITE DEVELOPMENT LAYOUT
SCALE 1:300MTRS

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 30244
FAX NOS: 927 6608;
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

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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

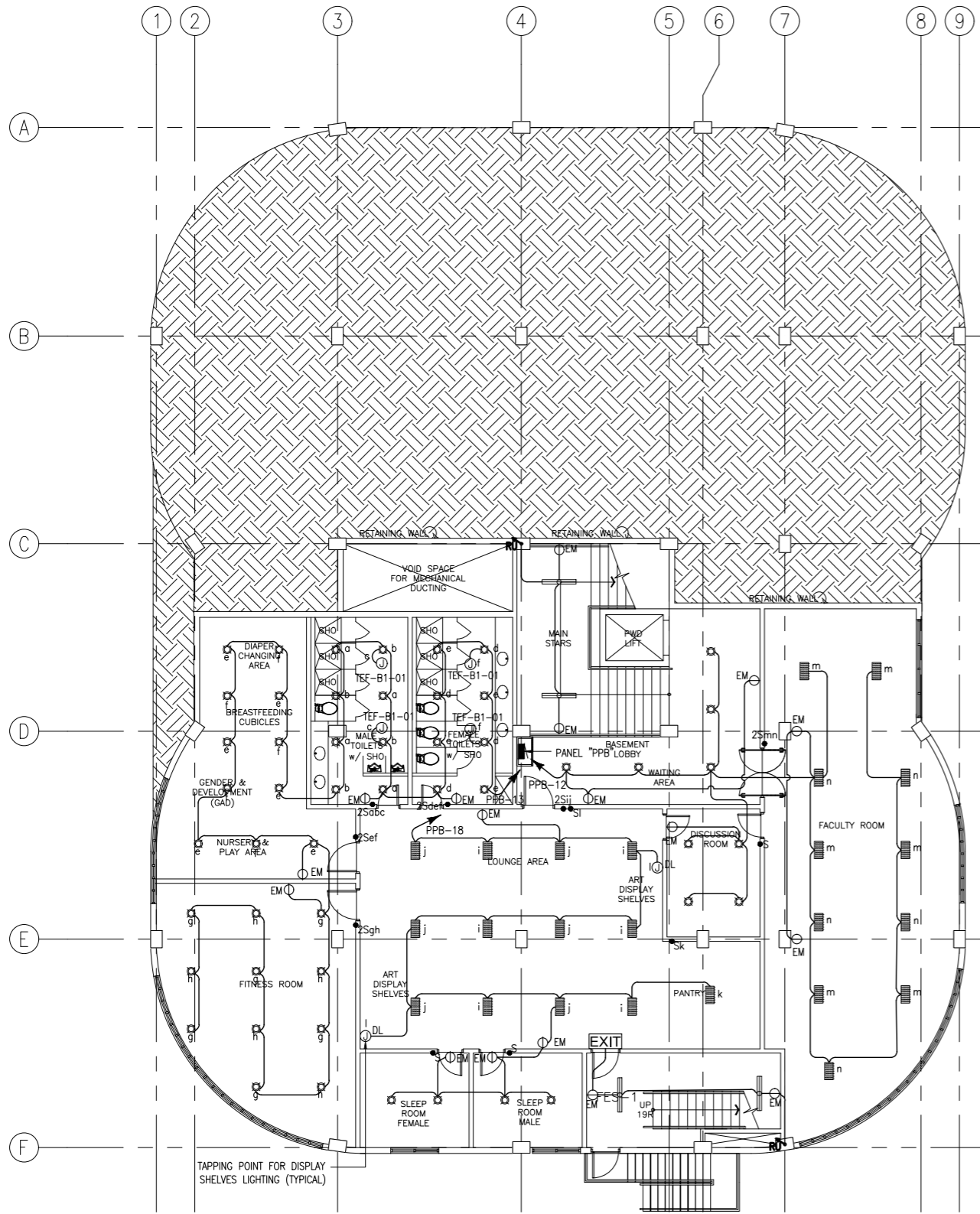
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

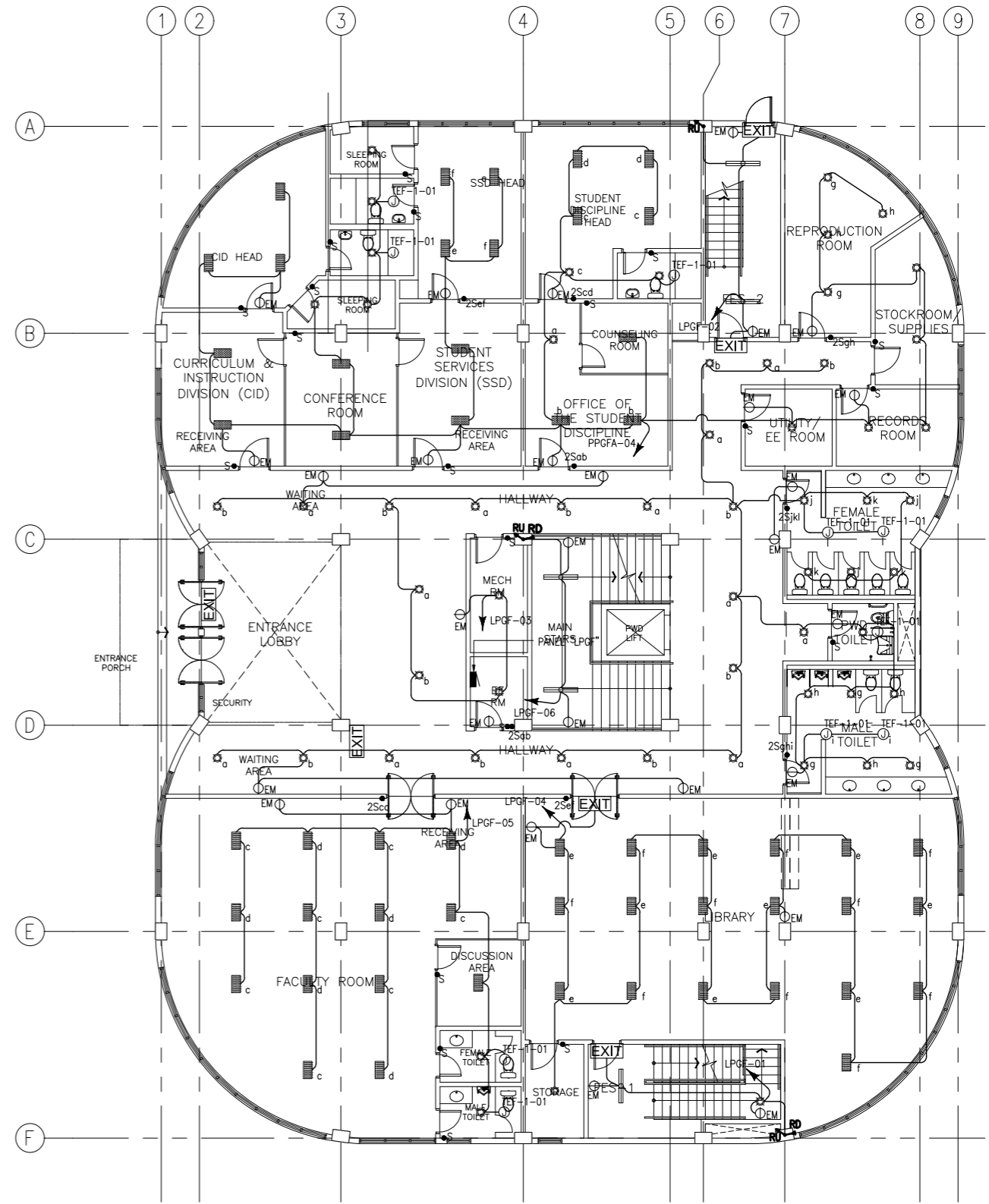
SHEET CONTENTS:
ELECTRICAL SITE DEVELOPMENT LAYOUT

SHEET NO:
E
3 17

FOR REFERENCE ONLY, EXCLUDED IN PHASE 3



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

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ARCHITECTS ENGINEERS CONSULTANTS
IN JOINT VENTURE WITH
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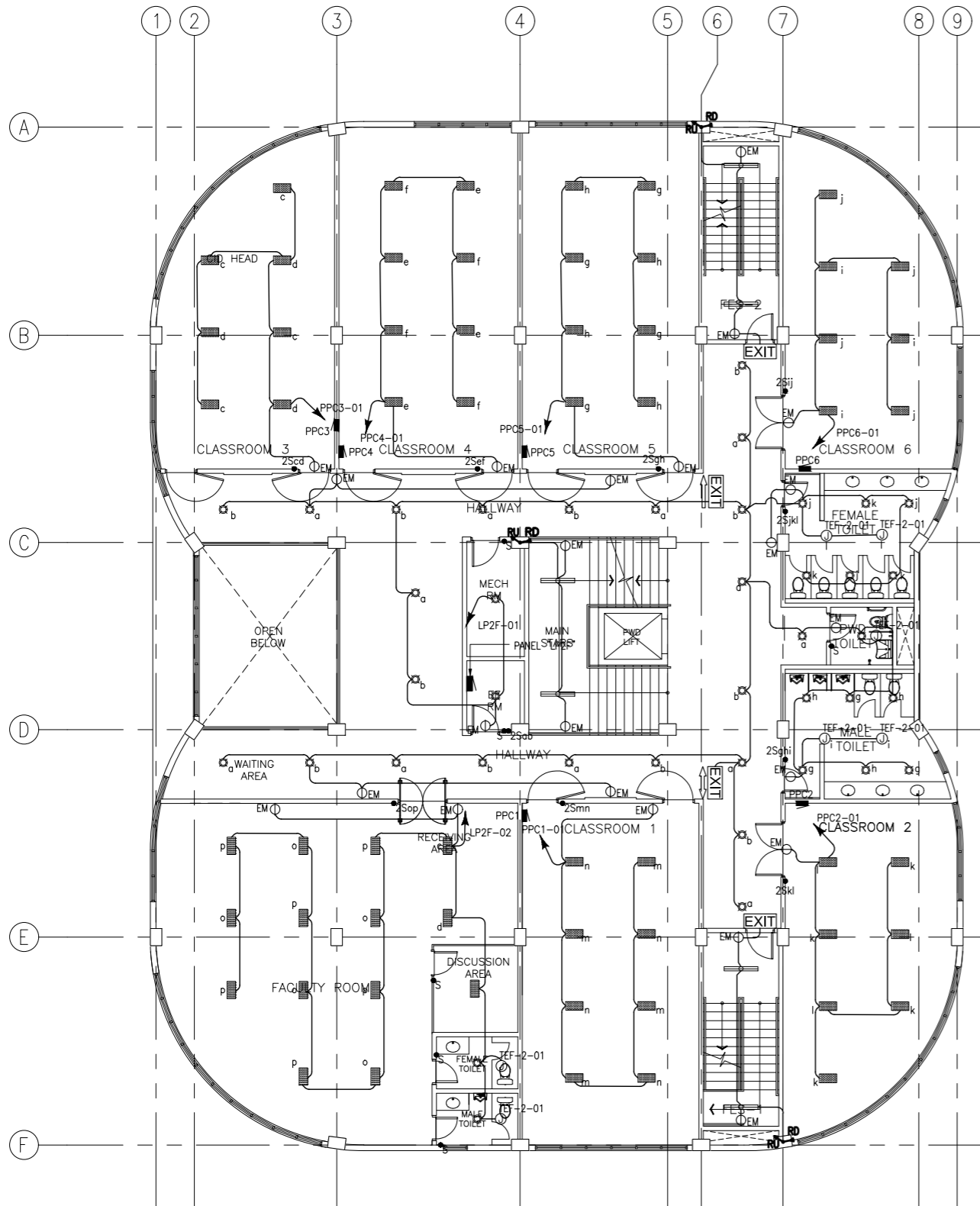
RECOMMENDING APPROVAL:
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FAD CHIEF

APPROVED BY:
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CAMPUS DIRECTOR

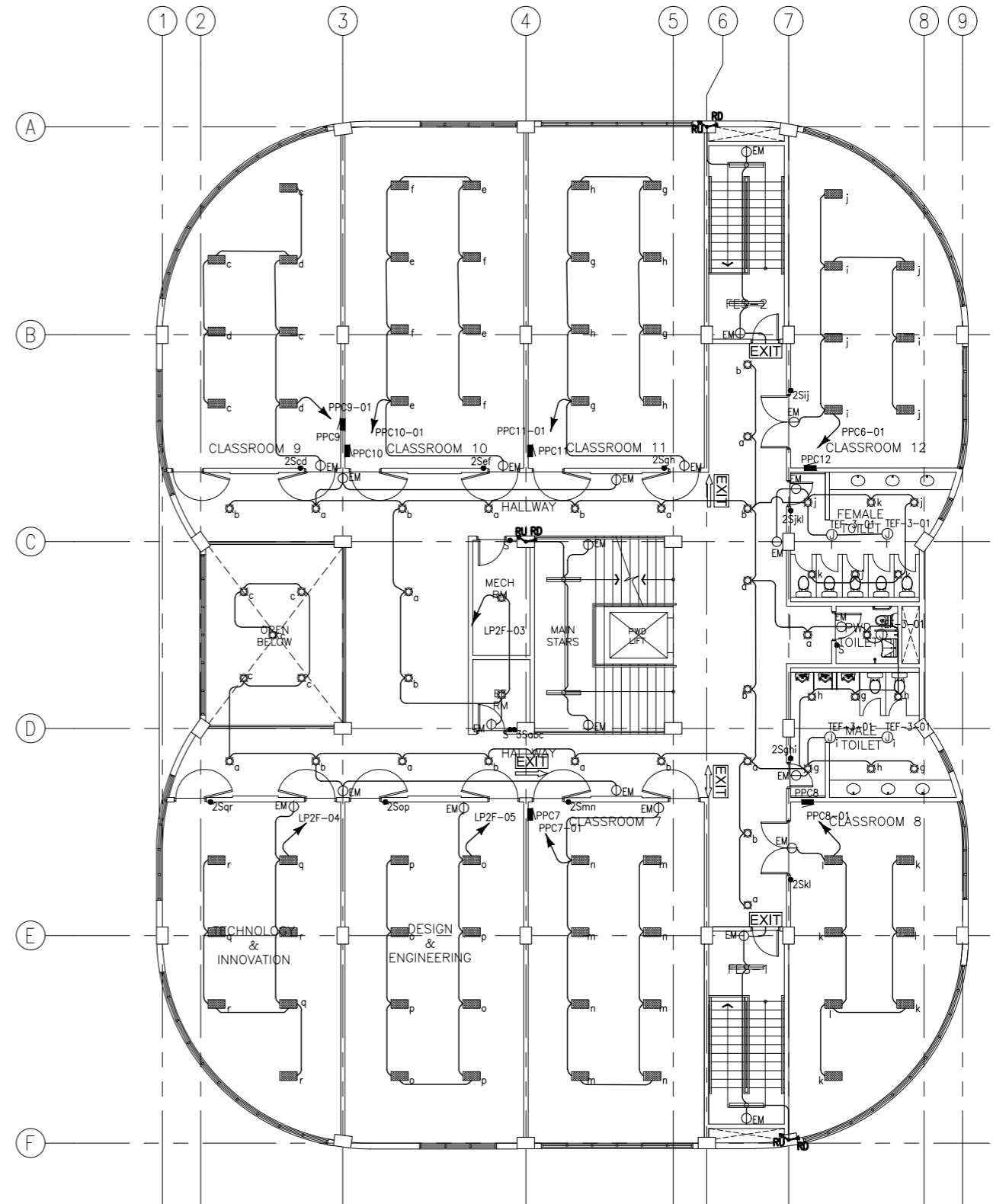
SHEET CONTENTS:
BASEMENT LIGHTING LAYOUT
GROUND FLOOR LIGHTING LAYOUT

SHEET NO:
E
4 17

FOR REFERENCE ONLY, EXCLUDED IN PHASE 3



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

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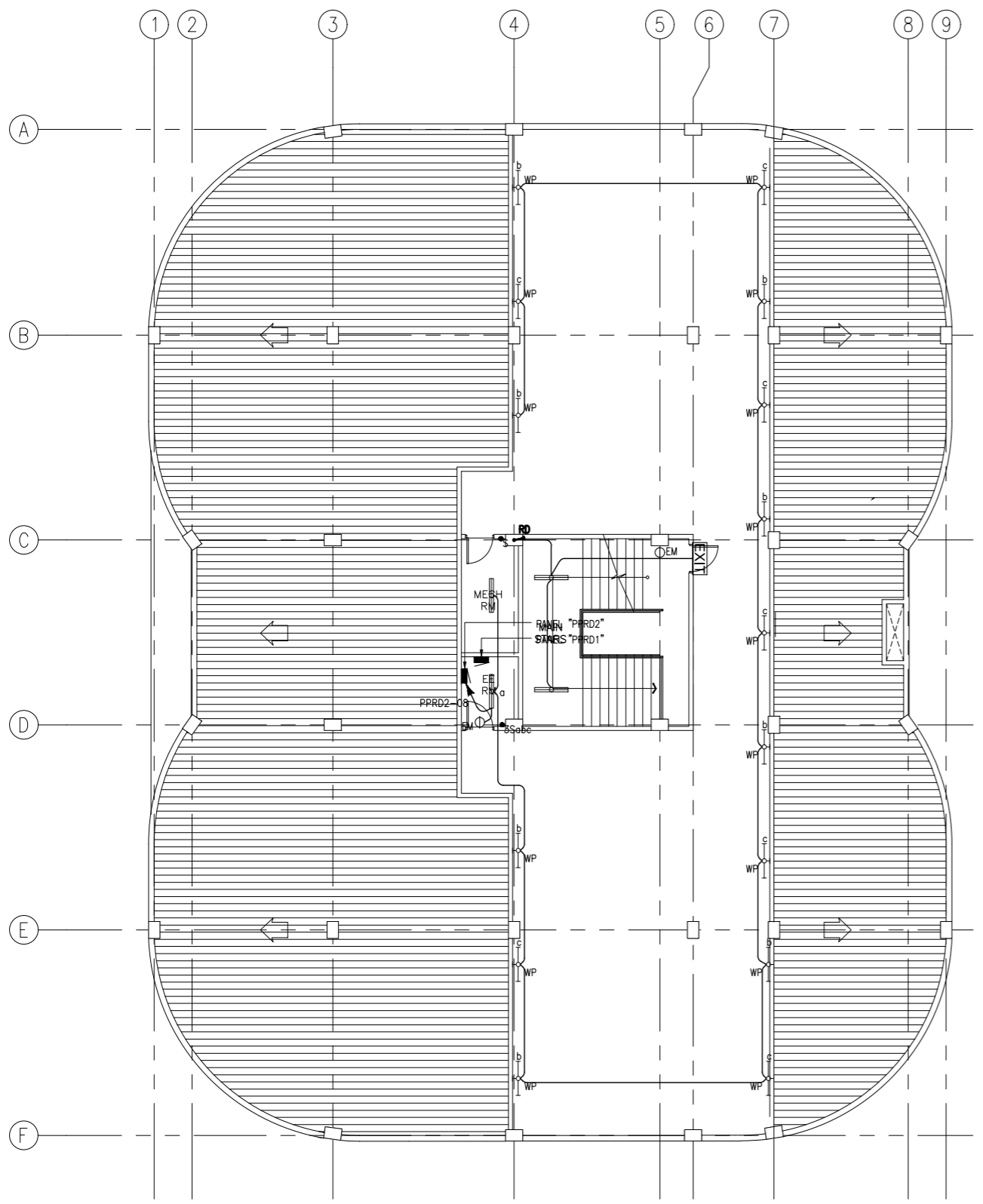
APPROVED BY:
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CAMPUS DIRECTOR

SHEET CONTENTS:
SECOND LIGHTING LAYOUT
THIRD FLOOR LIGHTING LAYOUT

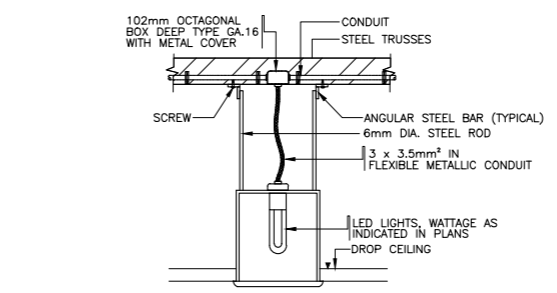
SHEET NO:
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| LIGHTING LEGEND | | | |
|-----------------|---|--|---|
| | 9 WATTS, 2 PCS., FLUORESCENT LUMINAIRE LED LIGHT | | EXIT LIGHT COMPLETE WITH 2 HRS. BATTERY PACK |
| | 12 WATTS, LED ROUND DOWNLIGHT | | 1 GANG SINGLE POLE SINGLE THROW SWITCH, 15A, 230V, 60Hz |
| | 12 WATTS, LED SQUARE DOWNLIGHT | | 2 GANG SINGLE POLE SINGLE THROW SWITCH, 15A, 230V, 60Hz |
| | 9 WATTS, 2 PCS., FLUORESCENT LUMINAIRE LED LIGHT | | SINGLE RECEPTACLE, 15A, 240V, FOR EMERGENCY LIGHTS. |
| | 32 WATTS, 2 PCS., FLUORESCENT DUSTPROOF LUMINAIRE LED LIGHT | | RISER-UP / RISER DOWN |

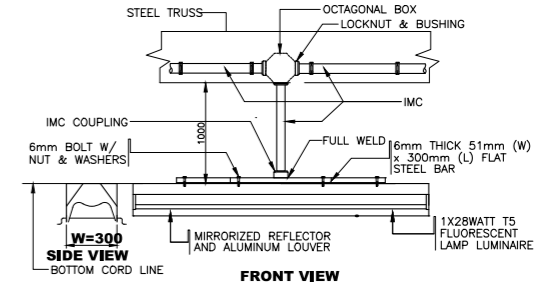
- NOTES:
- LIGHTED EXIT SIGNAGES TO BE TAP TO THE NEAREST LIGHTING CIRCUIT AHEAD OF SWITCH.
 - CONVENIENCE OUTLET FOR PORTABLE EMERGENCY LIGHTS TO BE TAP TO THE NEAREST LIGHTING CIRCUIT AHEAD OF SWITCH.
 - SEE SHEET E-? FOR PORTABLE EMERGENCY LIGHTS MOUNTING DETAILS.
 - SEE SHEET E-? FOR EXIT SIGNAGES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



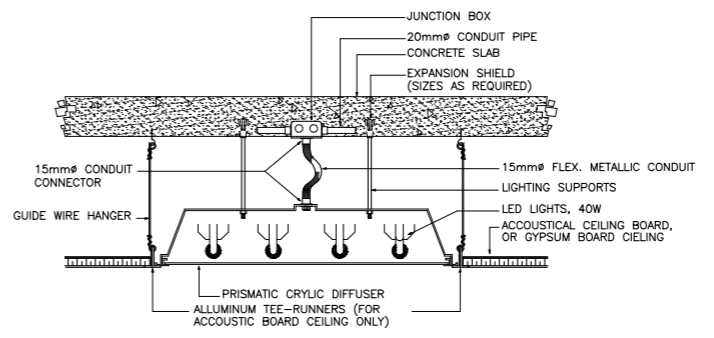
1
ACADEMIC BUILDING II
ROOF DECK LIGHTING LAYOUT
SCALE: 1:100MTRS



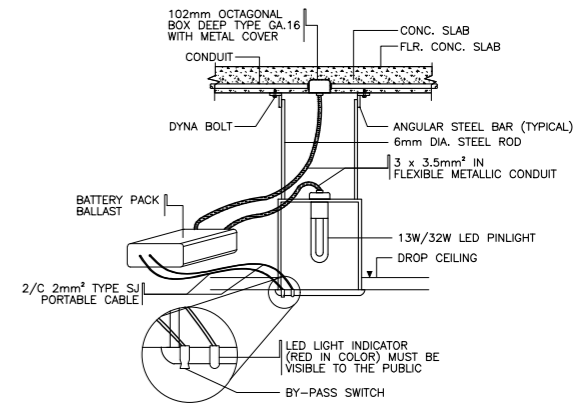
2A
RECESSED LED DOWNLIGHT LIGHTING LUMINAIRE MOUNTING DETAIL (TYPICAL)
SCALE: NTS



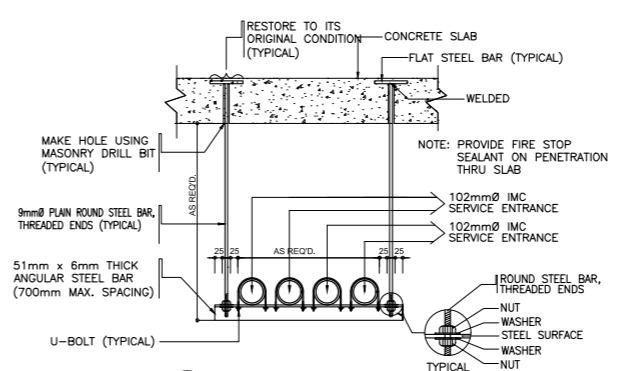
2B
SURFACE MTD. ON SLAB LED T8 LIGHTING LUMINAIRE MOUNTING DETAIL (TYPICAL)
SCALE: NTS



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



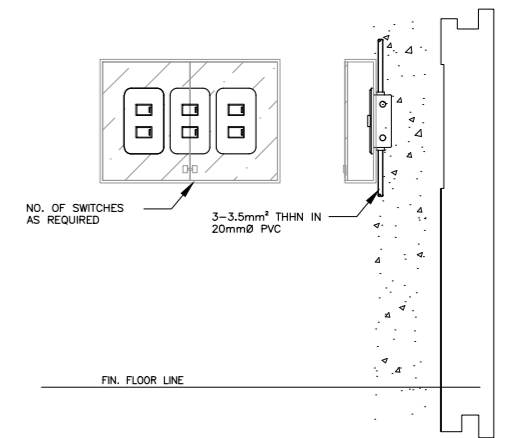
2D
PINLIGHT LED LUMINAIRE WITH BATTERY PACKED BALLAST MTG. DETAIL (TYPICAL)
SCALE: NTS



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.

NOTE: CONTRACTOR/MANAGEMENT SHALL REQUIRED LIGHTING SUPPLIER TO SUBMIT SAMPLE OF LUMINAIRE WITH BATTERY AS SHOWN ON THE DRAWING



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
AVE., LOYOLA HEIGHTS,
QUEZON CITY, 1108
TEL. NOS: 426 7009;
426 30244
FAX NOS: 927 6608;
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

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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

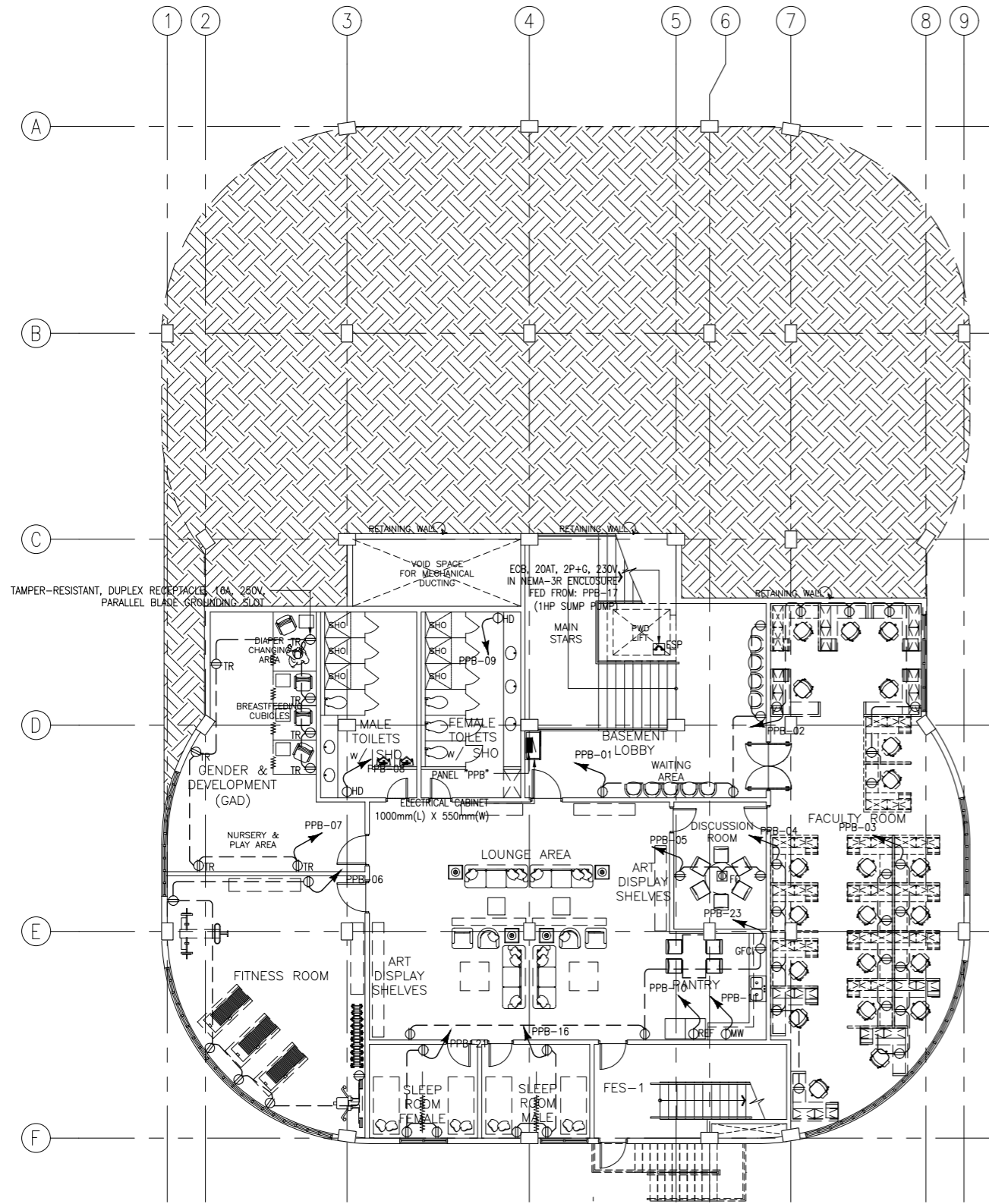
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

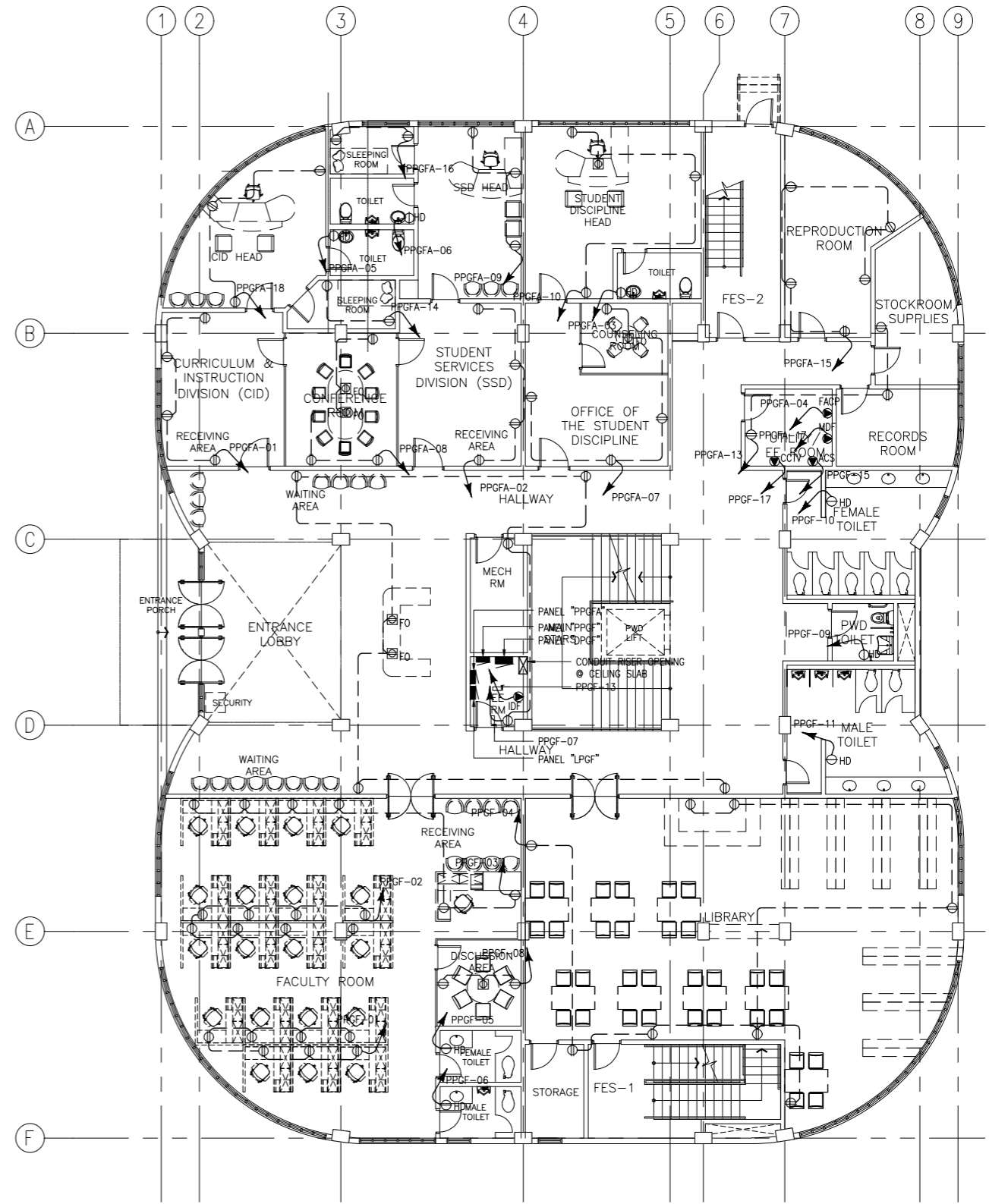
SHEET CONTENTS:
ROOF DECK LIGHTING LAYOUT
TYPICAL LIGHTING INSTALLATION DETAILS

SHEET NO:
**E
6 17**

FOR REFERENCE ONLY, EXCLUDED IN PHASE 3



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



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

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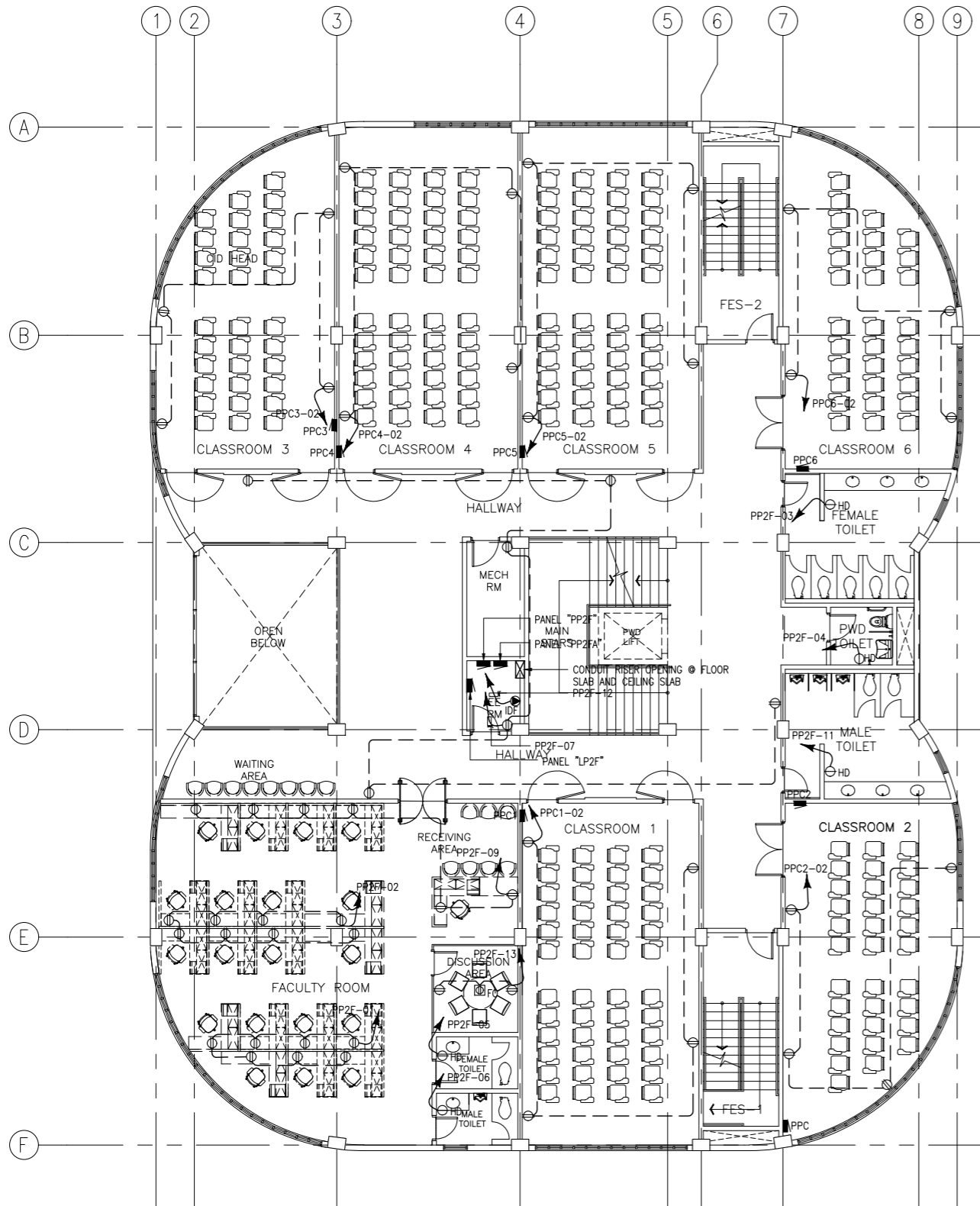
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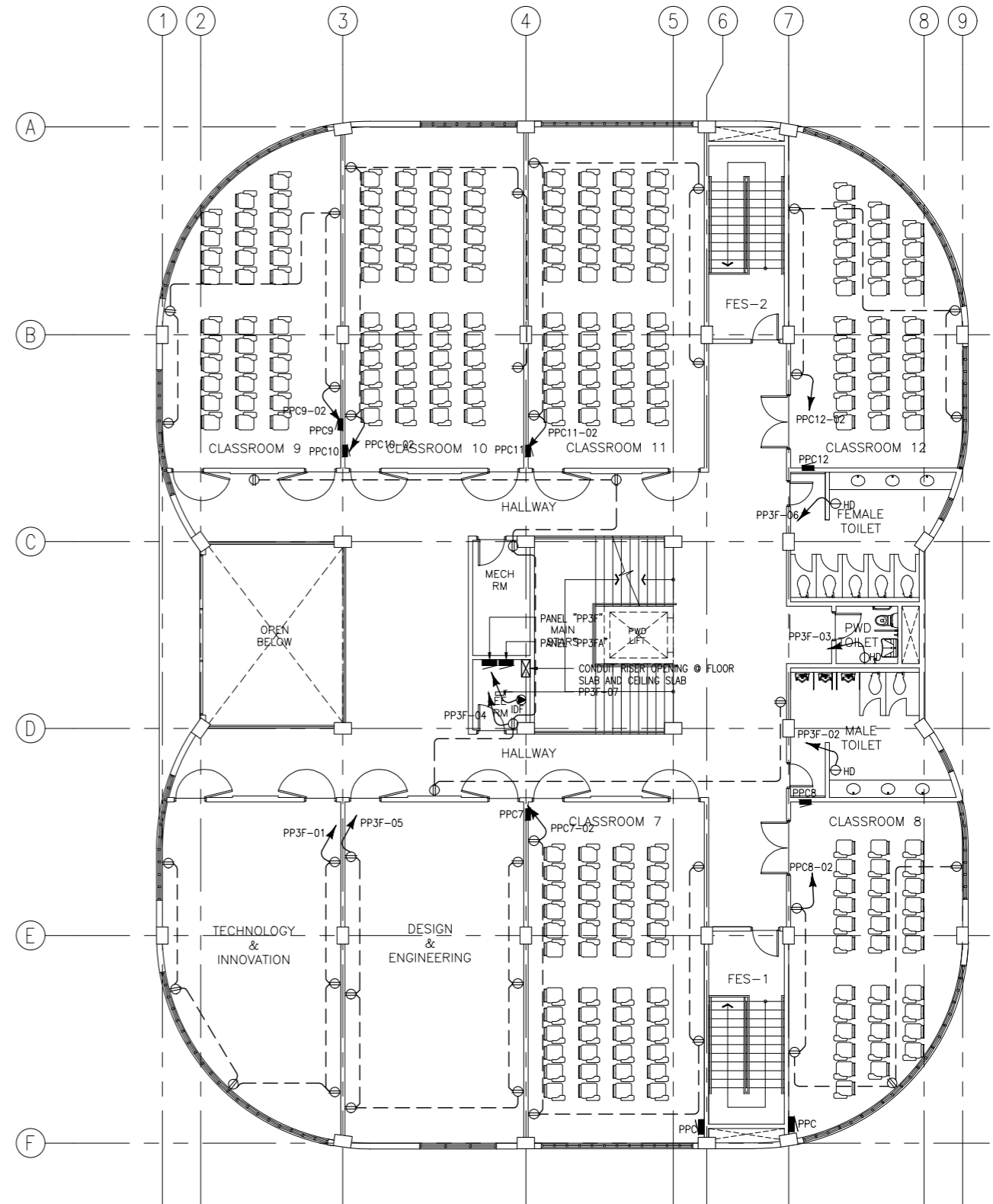
SHEET CONTENTS:
BASEMENT POWER LAYOUT
GROUND FLOOR POWER LAYOUT

SHEET NO:
E
7 17

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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

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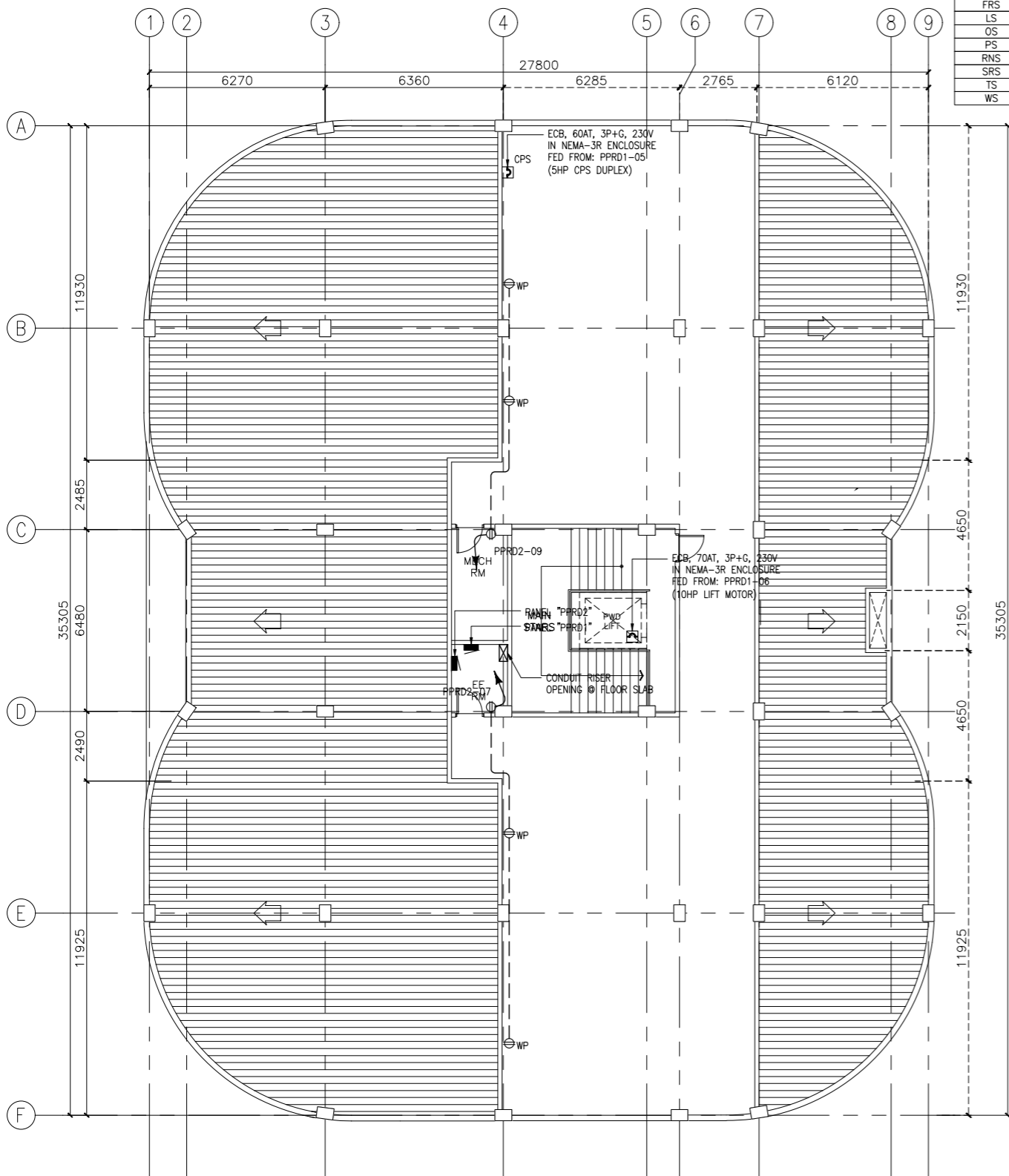
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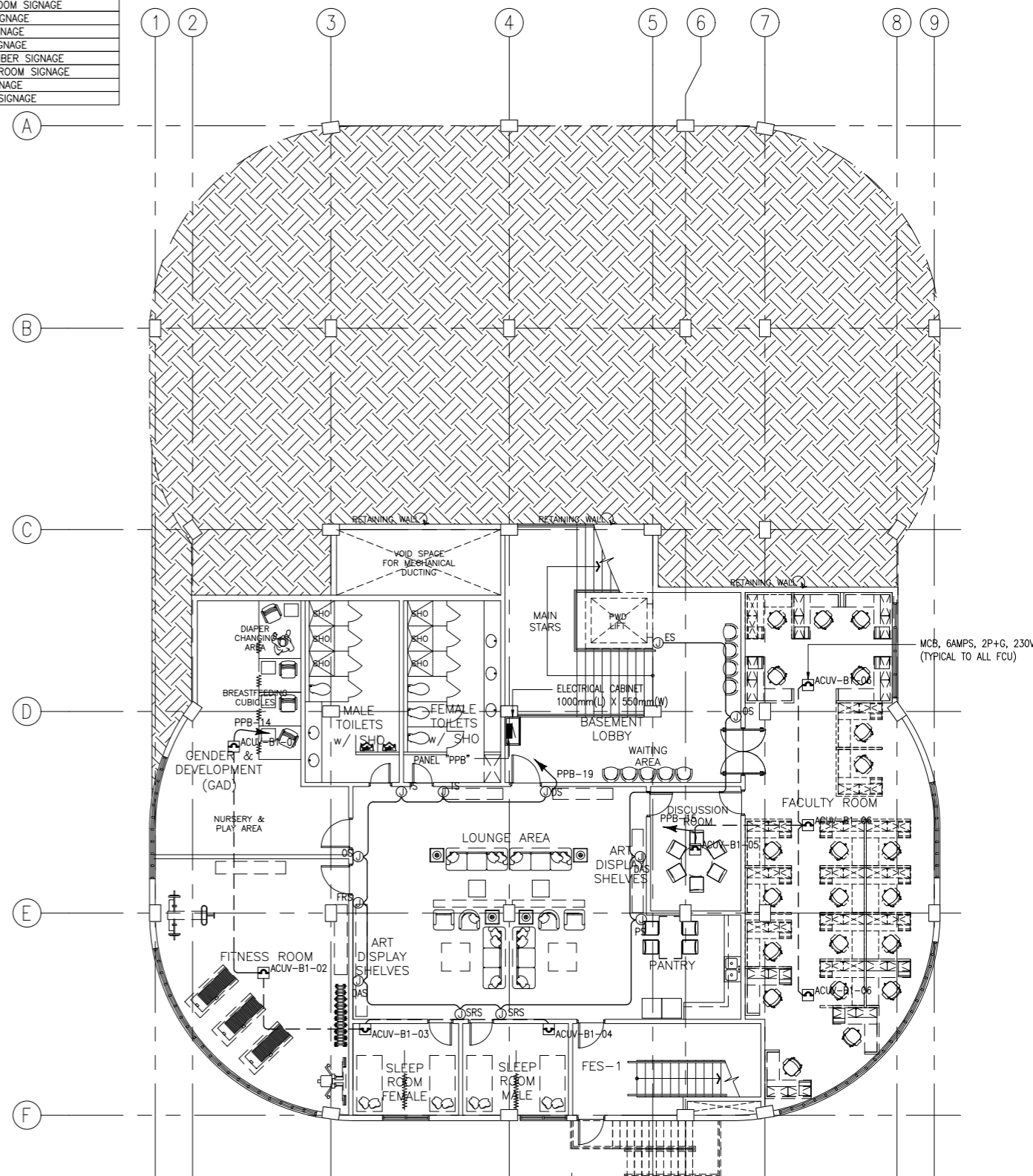
SHEET CONTENTS:
SECOND FLOOR POWER LAYOUT
THIRD FLOOR POWER LAYOUT

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

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DESIGNED FOR:

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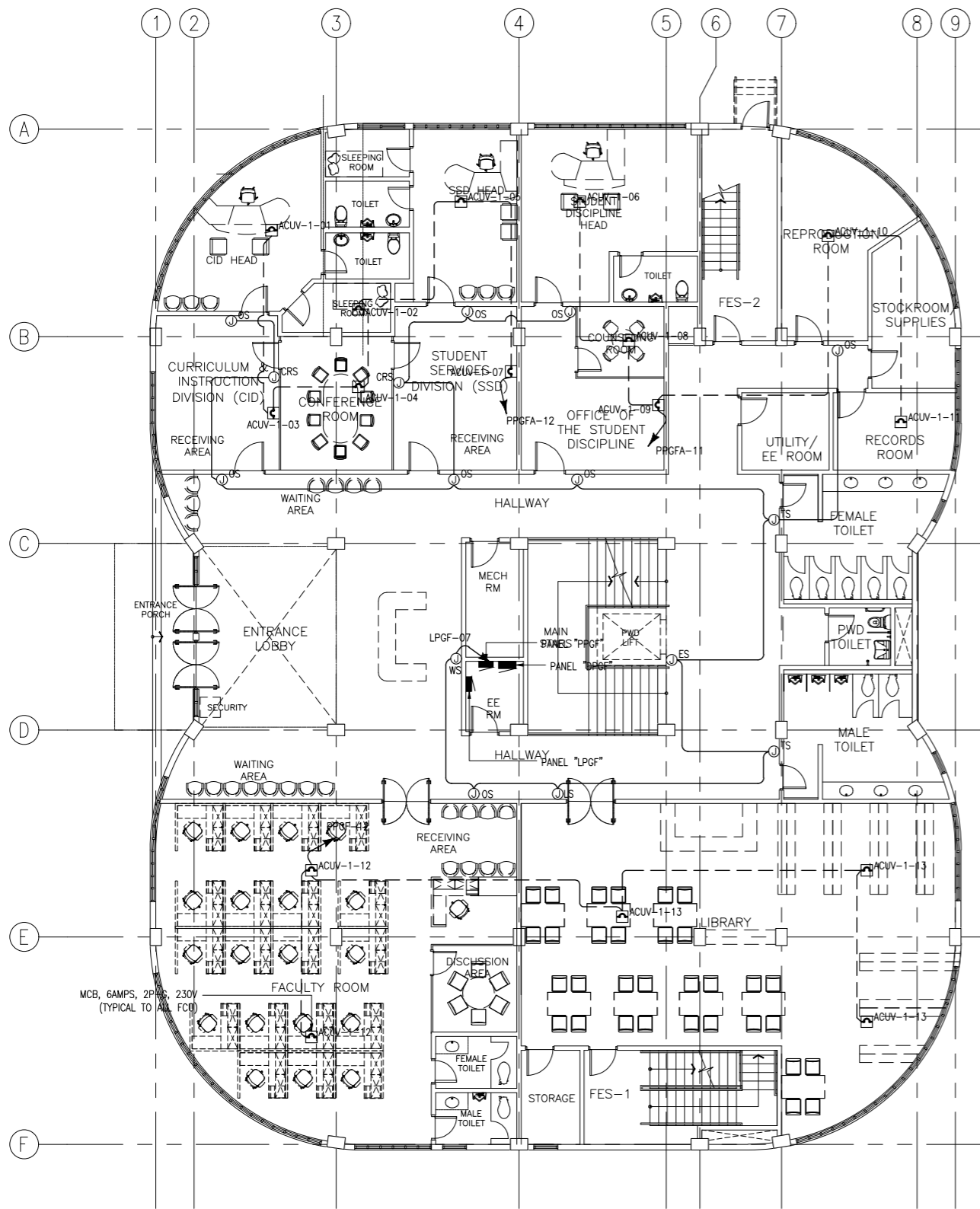
RECOMMENDING APPROVAL:
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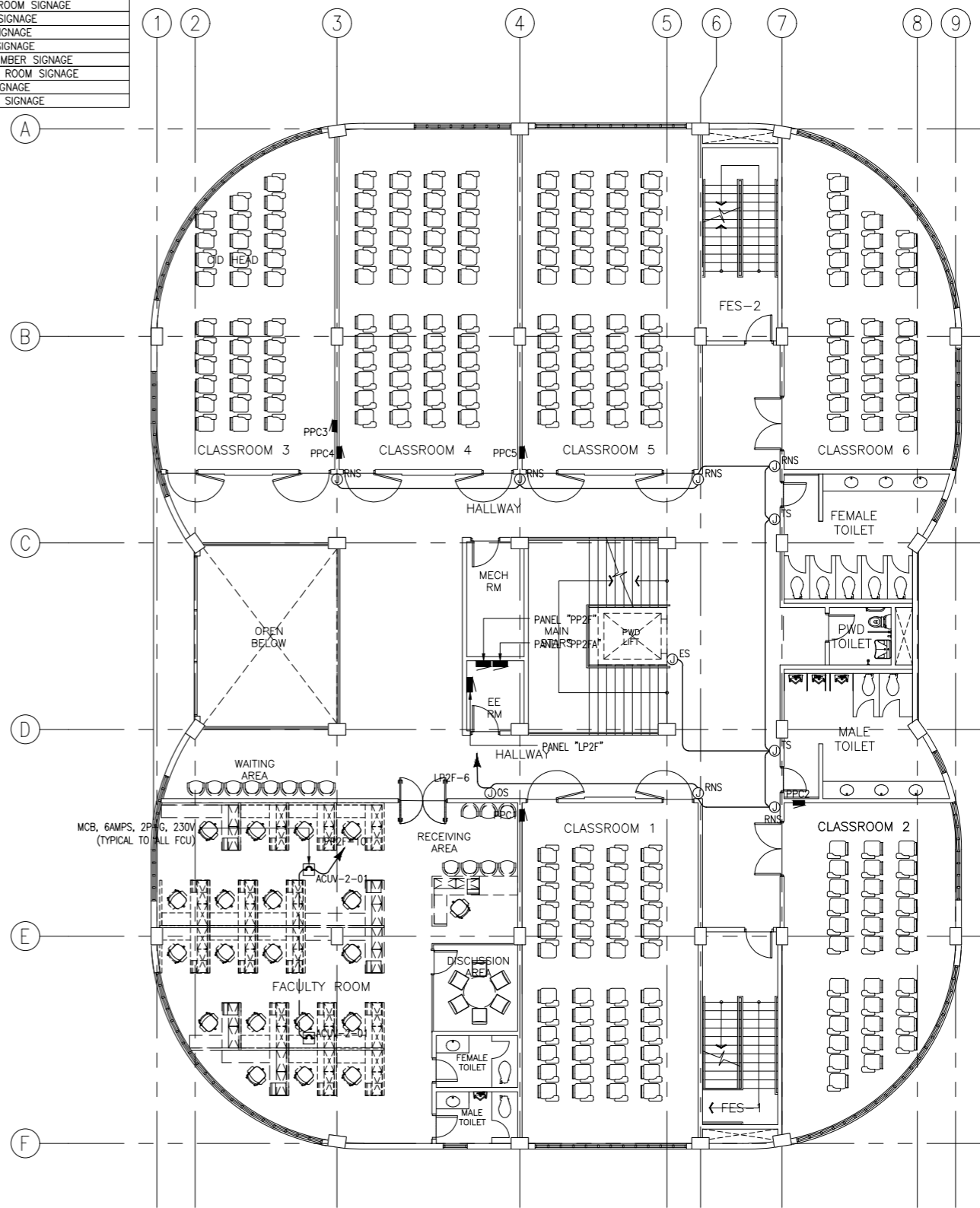
SHEET CONTENTS:
 ROOF DECK POWER LAYOUT
 BASEMENT MECHANICAL EQUIPMENT
 POWER LAYOUT

SHEET NO:
E
 9 17

| LOCATIONAL/DIRECTIONAL SIGNAGES ABBREVIATION | |
|--|-------------------------|
| CRS | CONFERENCE ROOM SIGNAGE |
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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


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

DESIGNED FOR:

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PHILIPPINE SCIENCE HIGH SCHOOL -
MARIKINA REGIONAL CAMPUS

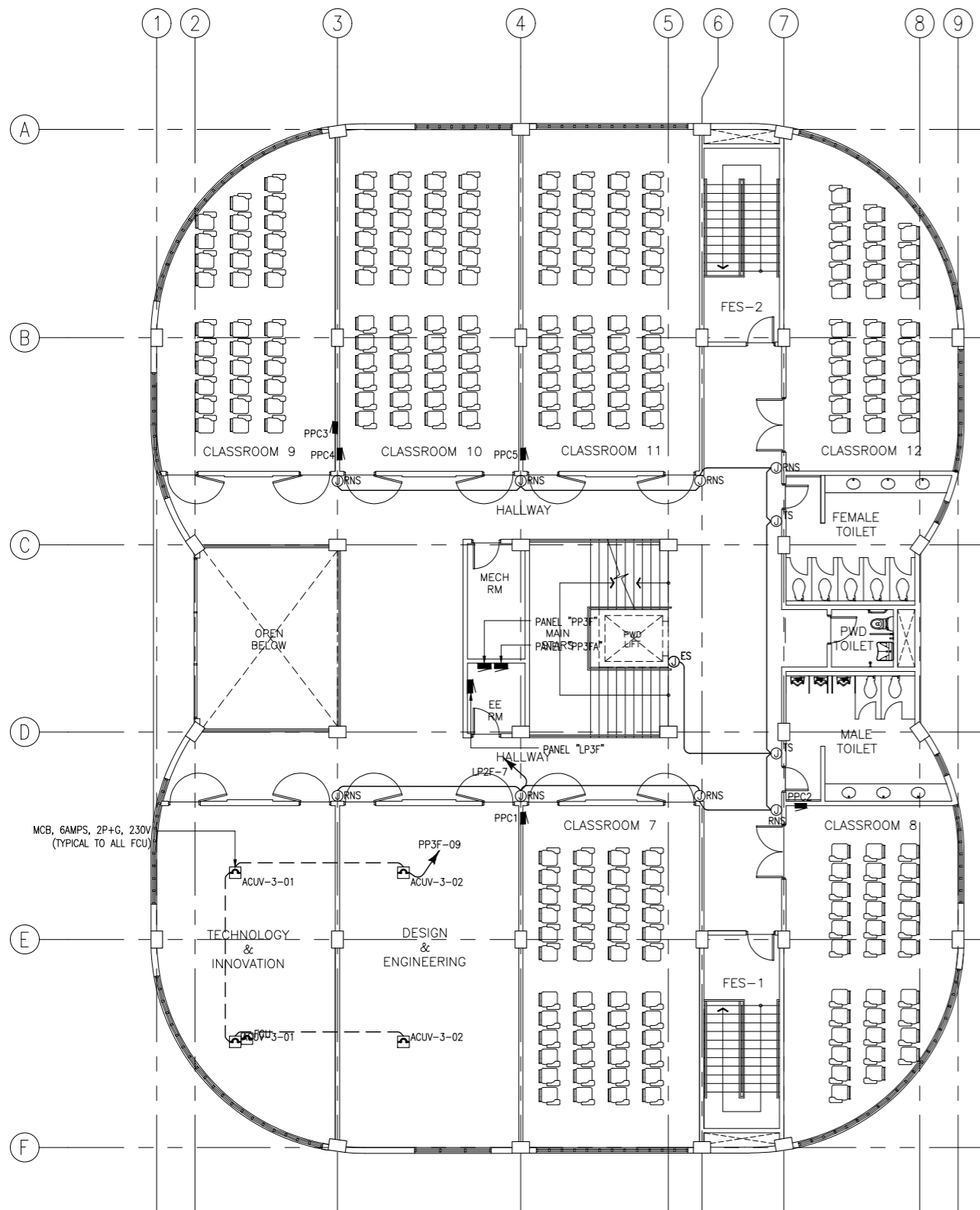
RECOMMENDING APPROVAL:
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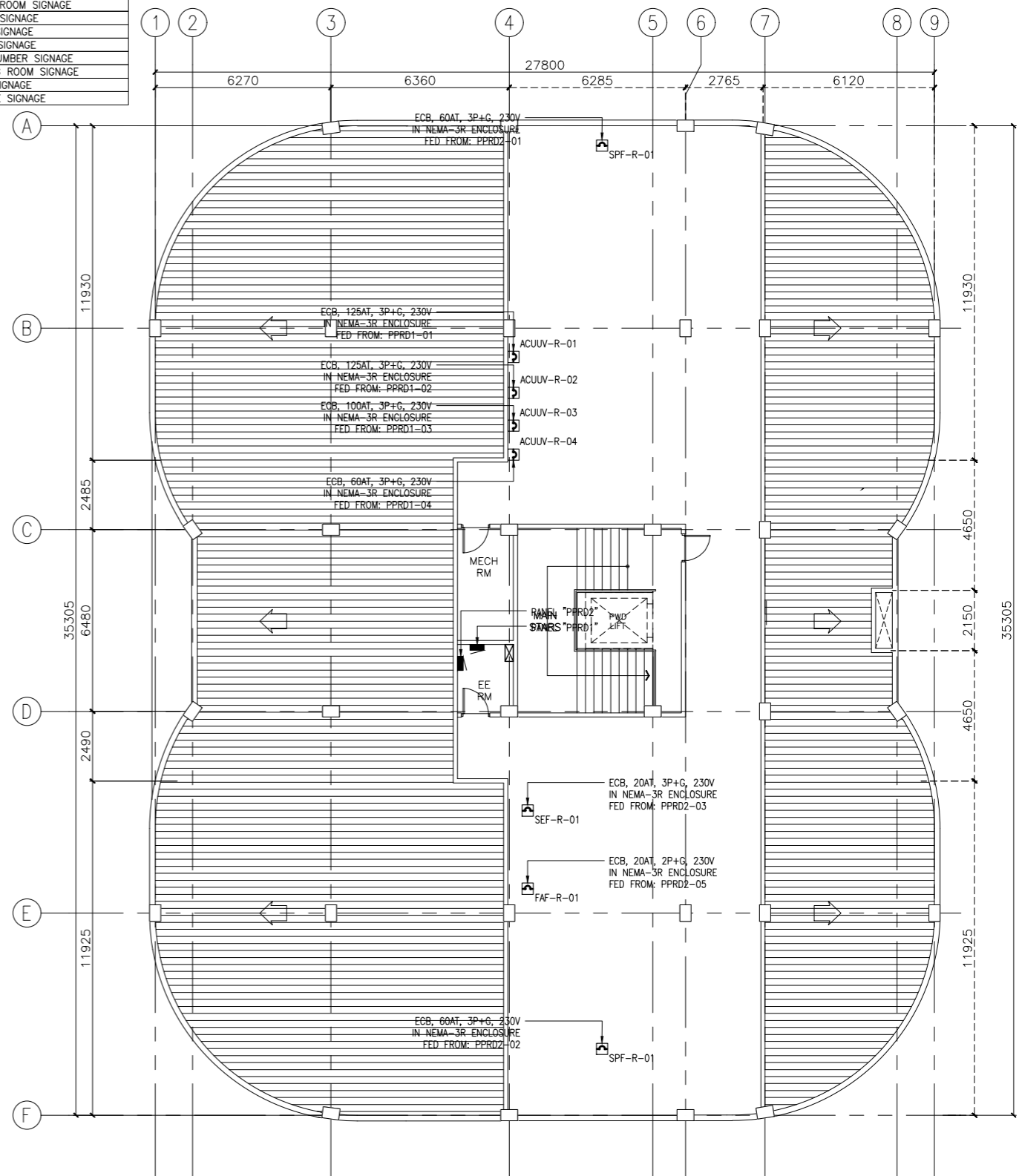
SHEET CONTENTS:
GROUND FLOOR MECHANICAL EQUIPMENT
POWER LAYOUT
SECOND MECHANICAL EQUIPMENT
POWER LAYOUT

SHEET NO:
E
10 17

| LOCATIONAL/DIRECTIONAL SIGNAGES ABBREVIATION | |
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| TS | TOILET SIGNAGE |
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1 ACADEMIC BUILDING II
THIRD FLOOR MECHANICAL EQUIPMENT AND SIGNAGES POWER LAYOUT
SCALE 1:100MTRS
E-11



2 ACADEMIC BUILDING II
ROOF DECK MECHANICAL EQUIPMENT POWER LAYOUT
SCALE 1:100MTRS
E-11

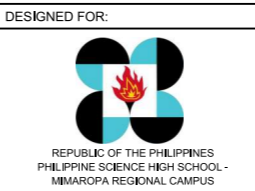
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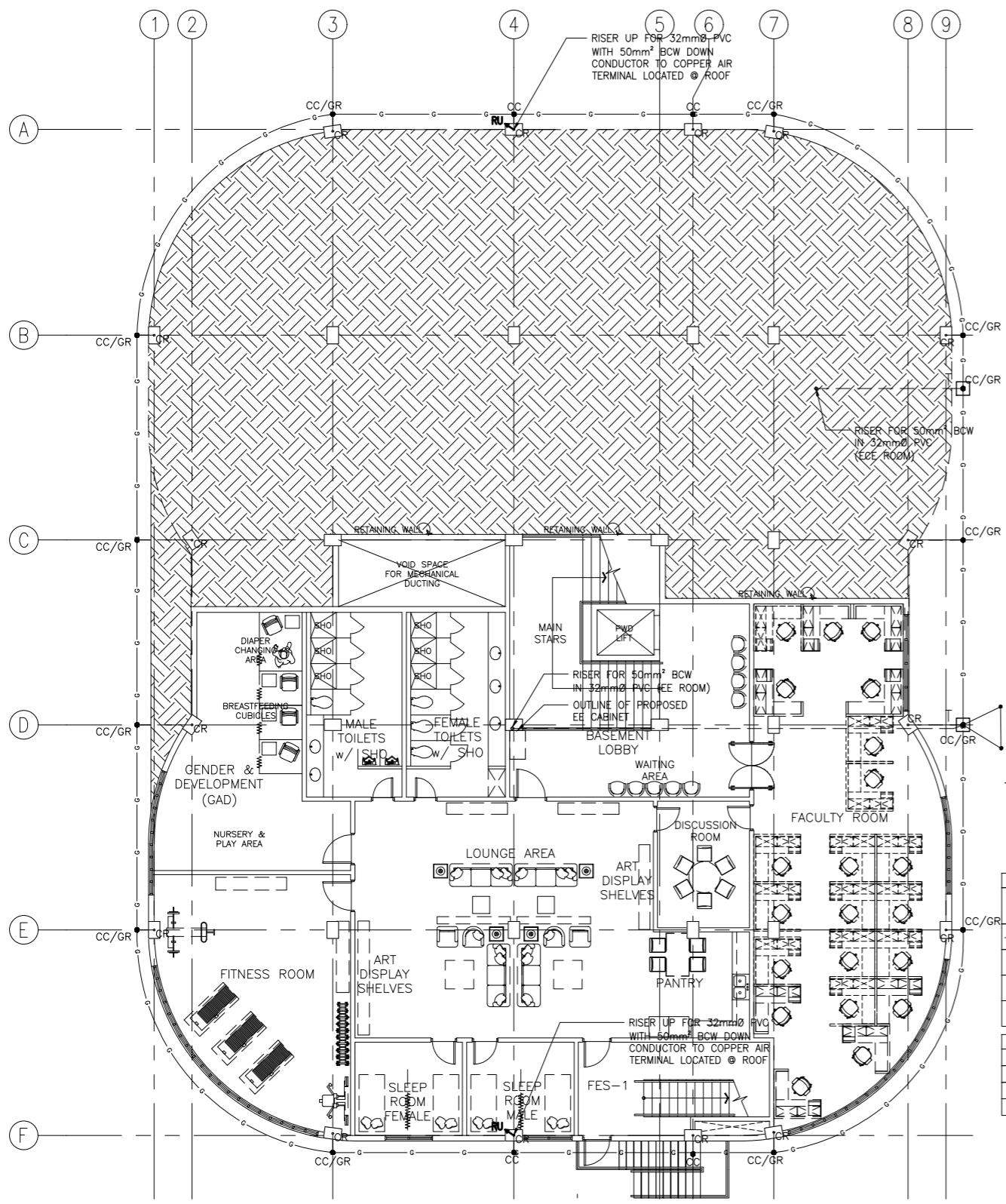


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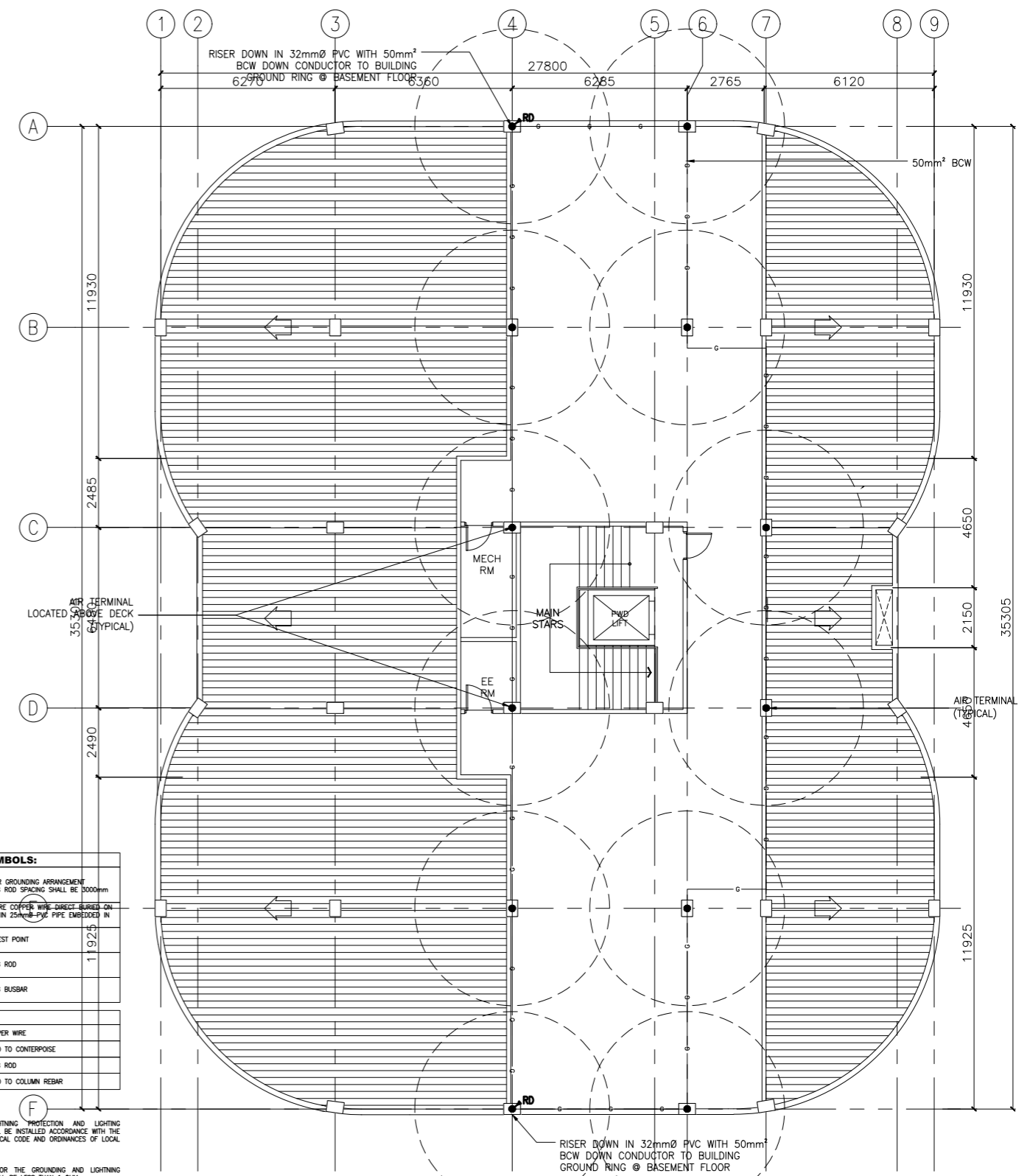
APPROVED BY:
EDWARD C. ALBARACIN
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SHEET CONTENTS:
THIRD FLOOR MECHANICAL EQUIPMENT
POWER LAYOUT
ROOF DECK MECHANICAL EQUIPMENT
POWER LAYOUT

SHEET NO:
E
11 17



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



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

LEGEND AND SYMBOLS:

| | |
|--|---|
| | TRIANGULAR GROUNDING ARRANGEMENT GROUNDING ROD SPACING SHALL BE 3000mm |
| | 50mm² 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 CONTERPOISE |
| 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 ENFORCING 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, SENSITIS, 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

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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 | | | | | 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 | LP2F | 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 | | | | | 40 | 100 | 3 | 18 | MCCB | | | | | | | |
| 14 | SPARE | | 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 | | | 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 | | | 0.00 | | 20 | 100 | 2 | 18 | MCCB | | | | | | | | |
| 23 | SPARE | | 230 | | | 0.00 | | 20 | 100 | 2 | 18 | MCCB | | | | | | | | |
| 24 | SPARE | | 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 | SHIP 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 | | | | | 100 | 100 | 3 | 18 | MCCB | | | | | | | |
| 8 | SPARE | | 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 | | | 0.00 | | 20 | 100 | 2 | 18 | MCCB | | | | | | | | |
| 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 | | | | | | | | |
| 17 | SPARE | | 230 | | | 0.00 | | 20 | 100 | 2 | 18 | MCCB | | | | | | | | |
| 18 | SPARE | | 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. | DESCRIPTION | CONN. LOAD | VOLT | AMPERE LOAD | | | |

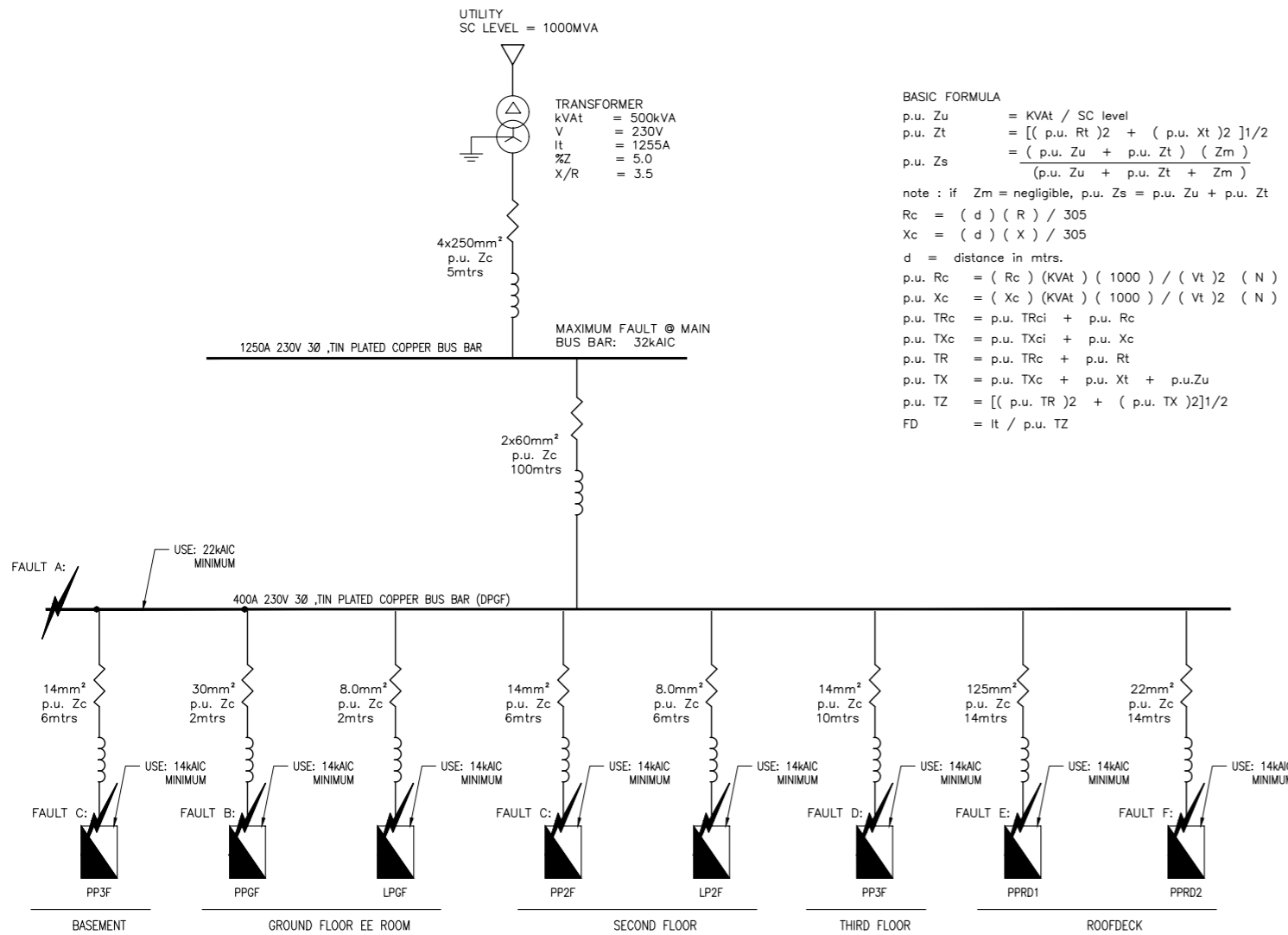
| PANEL NAME: LPGF FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz | | | | LOCATION: MOUNTING: ENCLOSURE: EE ROOM - GF WALL MOUNTED NEMA-1 | | | | | | | | | | | | | | | | | |
|--|---------------------|------------|---------------|---|------|------------------|------|-----------------|-----|-----------------|------|---------------|------|------------|-----------------|---------------|------|-----------------|---------------|----|-----|
| CKT NO. | DESCRIPTION | CONN. LOAD | DEMAND FACTOR | DEMAND 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 | 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: MOUNTING: ENCLOSURE: EE ROOM - 2F WALL MOUNTED NEMA-1 | | | | | | | | | | | | | | | | | |
|--|---------------------|------------|---------------|---|------|------------------|------|-----------------|-----|-----------------|------|---------------|------|------------|-----------------|---------------|------|-----------------|---------------|----|-----|
| CKT NO. | DESCRIPTION | CONN. LOAD | DEMAND FACTOR | DEMAND 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 | 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: MOUNTING: ENCLOSURE: EE ROOM WALL MOUNTED NEMA-1 | | | | | | | | | | | | | | | | | |
|--|--------------------|------------|---------------|--|------|------------------|------|----------------|-----|-----------------|-------|---------------|------|------------|-----------------|---------------|------|----------------|---------------|----|-----|
| CKT NO. | DESCRIPTION | CONN. LOAD | DEMAND FACTOR | DEMAND 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 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 2 | CONVENIENCE OUTLET | 1,440 | 0.80 | 1,152 | 230 | 6.26 | | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 3 | HAND DRYER | 1,500 | 0.60 | 900 | 230 | | 6.52 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 4 | HAND DRYER | 1,500 | 0.60 | 900 | 230 | | 6.52 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 5 | HAND DRYER | 1,500 | 0.60 | 900 | 230 | | 6.52 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 6 | HAND DRYER | 1,500 | 0.60 | 900 | 230 | | 6.52 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 7 | CONVENIENCE OUTLET | 1,080 | 0.80 | 864 | 230 | 4.70 | | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 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 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 10 | ACUV-2-01 | 353 | 0.80 | 282 | 230 | | 1.53 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 15 | EMT/IMC | | | |
| 11 | HAND DRYER | 1,500 | 0.60 | 900 | 230 | | 6.52 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 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 - 3.5mm2 THWN | 1 - 3.5mm2 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 - 14mm2 THWN | 1 - 8.0mm2 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 - 14mm2 THWN | | GROUND: | | 1 - 8.0mm2 TW | | CONDUIT: | | 32 mmØ IMC | | | | | |
| TOTAL CURRENT | | 34 | | | | | | | | | | | | | | | | | | | |

| PANEL NAME: PP3F FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz | | | | LOCATION: MOUNTING: ENCLOSURE: EE ROOM WALL MOUNTED NEMA-1 | | | | | | | | | | | | | | | | | |
|--|--------------------|------------|---------------|--|------|------------------|------|----------------|-----|-----------------|-------|---------------|------|------------|-----------------|---------------|------|----------------|---------------|----|-----|
| CKT NO. | DESCRIPTION | CONN. LOAD | DEMAND FACTOR | DEMAND 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 | 1,080 | 0.80 | 864 | 230 | 4.70 | | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 2 | HAND DRYER | 1,500 | 0.60 | 900 | 230 | 6.52 | | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 3 | HAND DRYER | 1,500 | 0.60 | 900 | 230 | | 6.52 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 4 | CONVENIENCE OUTLET | 1,080 | 0.80 | 864 | 230 | 4.70 | | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 5 | CONVENIENCE OUTLET | 1,080 | 0.80 | 864 | 230 | | 4.70 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 TW | 20 | PVC | | | |
| 6 | HAND DRYER | 1,500 | 0.60 | 900 | 230 | | 6.52 | | | 20 | 100 | 2 | 18 | MCCB | 2 - 3.5mm2 THWN | 1 - 3.5mm2 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 - 3.5mm2 THWN | 1 - 3.5mm2 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 - 14mm2 THWN | 1 - 5.5mm2 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 - 14mm2 THWN | | GROUND: | | 1 - 5.5mm2 TW | | CONDUIT: | | 32 mmØ IMC | | | | | |
| TOTAL CURRENT | | 25 | | | | | | | | | | | | | | | | | | | |

| PANEL NAME: PP2FA FED FROM: DPGF SYSTEM: 230Vac, 3Ø, 3w, 60Hz | | | | LOCATION: MOUNTING: ENCLOSURE: EE ROOM WALL MOUNTED NEMA-1 | | | | | | | | | | | | | | | |
|---|-------------|------------|---------------|--|------|-------------|------|-------|-----|-----------------|-------|-------|------|------------|-----------------|---------------|------|---------|------|
| CKT NO. | DESCRIPTION | CONN. LOAD | DEMAND FACTOR | DEMAND 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 | PPC1 | 1,232 | 0.81 | 1,001 | 230 | 5.36 | | | | 30 | 100 | 2 | 22 | MCCB | 2 - 5.5mm2 THWN | 1 - 5.5mm2 TW | 20 | IMC | |
| 2 | PPC2 | 1,232 | 0.81 | 1,001 | 230 | 5.36 | | | | 30 | 100 | 2 | 22 | MCCB | 2 - 5.5mm2 THWN | 1 - 5.5mm2 TW | 20 | IMC | |
| 3 | PPC3 | 1,232 | 0.81 | 1,001 | 230 | | 5.36 | | | 30 | 100 | 2 | 22 | MCCB | 2 - 5.5mm2 THWN | 1 - 5.5mm2 TW | 20 | IMC | |
| 4 | PPC4 | 1,232 | 0.81 | 1,001 | 230 | | 5.36 | | | 30 | 100 | 2 | 22 | MCCB | 2 - 5.5mm2 THWN | 1 - 5.5mm2 TW | 20 | IMC | |
| 5 | PPC5 | 1,232 | 0.81 | 1,001 | 230 | | 5.36 | | | 30 | 100 | 2 | 22 | MCCB | 2 - 5.5mm2 THWN | 1 - 5.5mm2 TW | 20 | IMC | |
| 6 | PPC6 | 1,232 | 0.81 | 1,001 | 230 | | 5.36 | | | 30 | 100 | 2 | 22 | MCCB | 2 - 5.5mm2 THWN | 1 - 5.5mm2 TW | 20 | IMC | |
| TOTAL | | | | | | 7,392 | 0.81 | 6,005 | 230 | 10.71 | 10.71 | 10.71 | 50 | 100 | | | | | |



BASIC FORMULA

p.u. Zu = KVat / SC level
 p.u. Zt = $\sqrt{[(p.u. Rt)^2 + (p.u. Xt)^2]}^{1/2}$
 p.u. Zs = $\frac{(p.u. Zu + p.u. Zt) (Zm)}{(p.u. Zu + p.u. Zt + Zm)}$

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

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

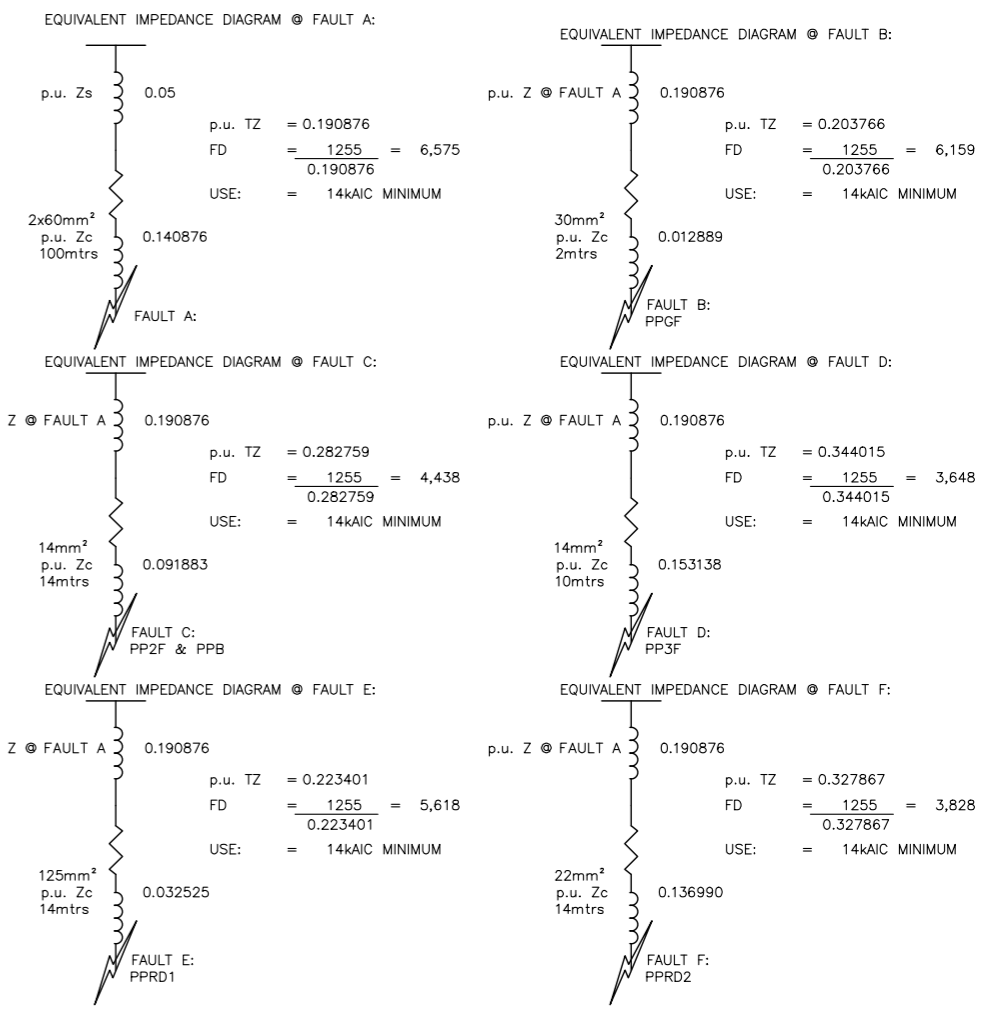
PPGF FEEDER:
 p.u. Rc 30mm² 2m = 0.012396
 p.u. Xc 30mm² 2m = 0.003533
 p.u. Zc = 0.012889

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



1 SHORT CIRCUIT CALCULATION
 E-15 SCALE: NTS

BASIC FORMULA:

Vdc = $\frac{[(1) (R^2 + Y^2) 1/2 (L) (d)]}{[(305) (N)]}$
 Y = (x) (Hz) / 60
 Vorigin = Vdc
 %Vdt = $\frac{Vsource - Vorigin}{Vsource} \times 100$

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
 Vnd = 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
 Vnd = 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
 Vnd = 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
 Vnd = 224.133 - 0.673 = 223.460 V
 %Vdt = $\frac{230 - 223.460}{230} \times 100 = 2.843$ %

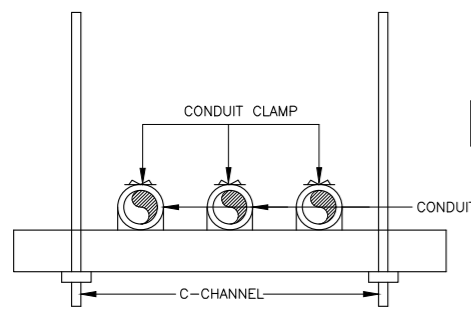
VOLTAGE DROP AT POINT D: PP3F
 Vdc = $\frac{24 \times (0.490^2 + 0.064^2)^{1/2} \times 10 \times 1.732}{1 \times 305} = 0.673$ V
 Vnd = 224.133 - 0.673 = 223.460 V
 %Vdt = $\frac{230 - 223.460}{230} \times 100 = 2.843$ %

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
 Vnd = 224.133 - 1.035 = 223.099 V
 %Vdt = $\frac{230 - 223.099}{230} \times 100 = 3.001$ %

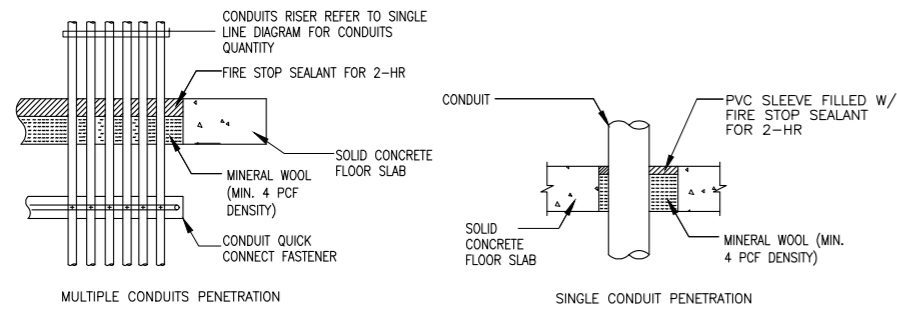
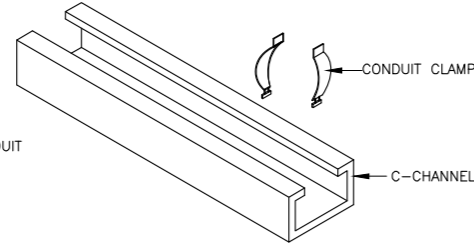
VOLTAGE DROP AT POINT F: PPRD2
 Vdc = $\frac{750 \times (0.310^2 + 0.060^2)^{1/2} \times 14 \times 1.732}{1 \times 305} = 1.255$ V
 Vnd = 224.133 - 1.255 = 222.878 V
 %Vdt = $\frac{230 - 222.878}{230} \times 100 = 3.096$ %

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.

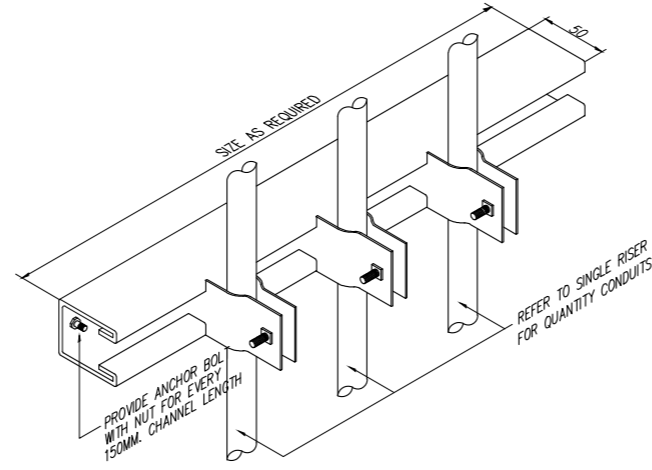
2 VOLTAGE DROP CALCULATION
 E-15 SCALE: NTS



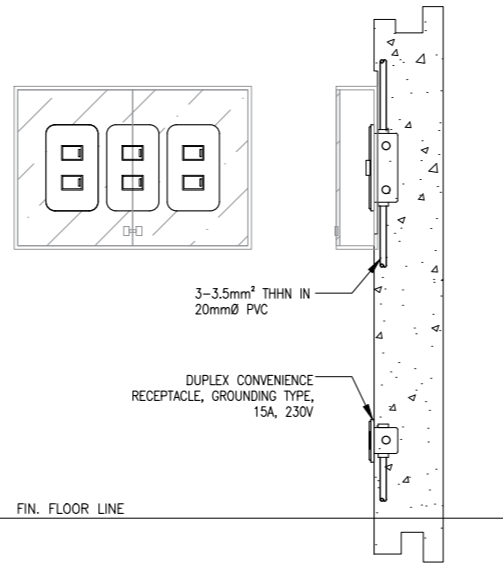
4 MULTIPLE CONDUIT SUPPORT DETAIL
E-16 SCALE: NTS



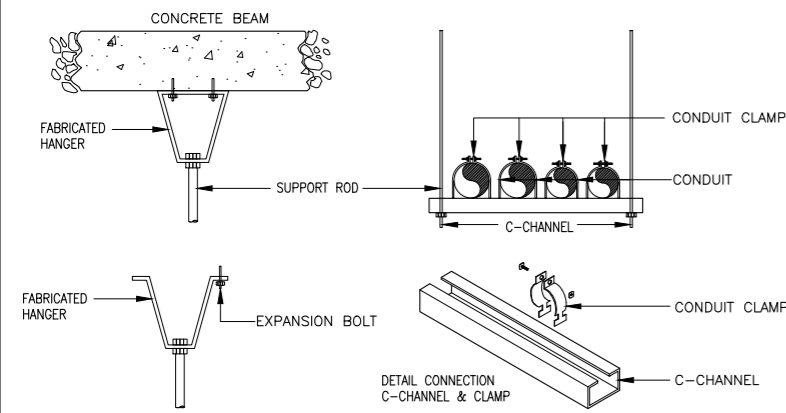
5 RACEWAY PENETRATIONS WITH FIRESTOP
E-16 SCALE: NTS



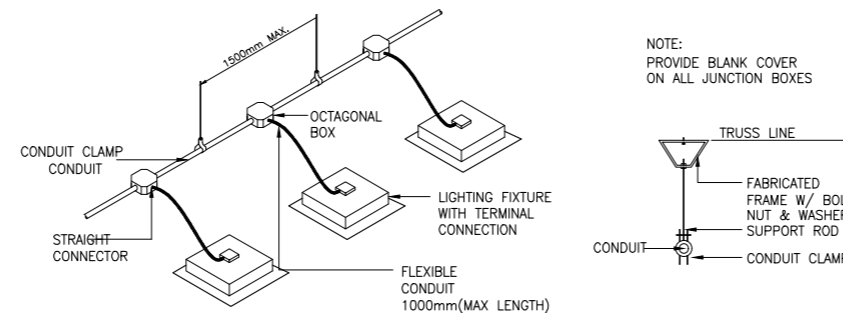
7 CONDUIT RISER DETAIL
E-16 SCALE: NTS



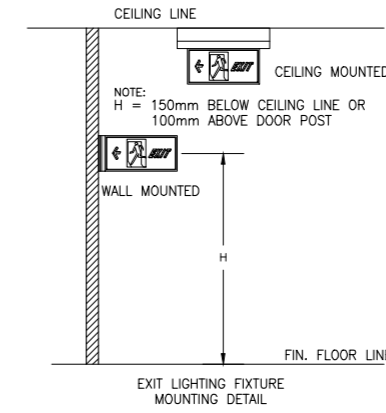
8 LIGHTING SWITCH AND CONV. OUTLET INSTALLATION DETAIL
E-16 SCALE: NTS



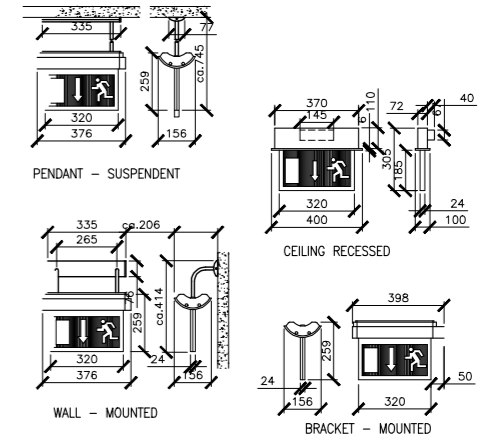
6 MULTIPLE CONDUIT SUPPORT DETAIL
E-16 SCALE: NTS



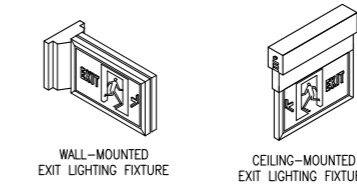
9 CONDUIT RUN FOR LIGHTING DISTRIBUTION IN ONE CIRCUIT (FOE EXPOSED OF INSIDE DROP-CEILING INSTALLATION)
E-16 SCALE: NTS



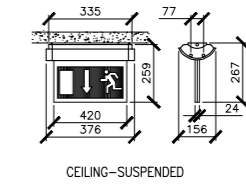
1 EXIT LIGHTING FIXTURE DETAIL
E-16 SCALE: NTS



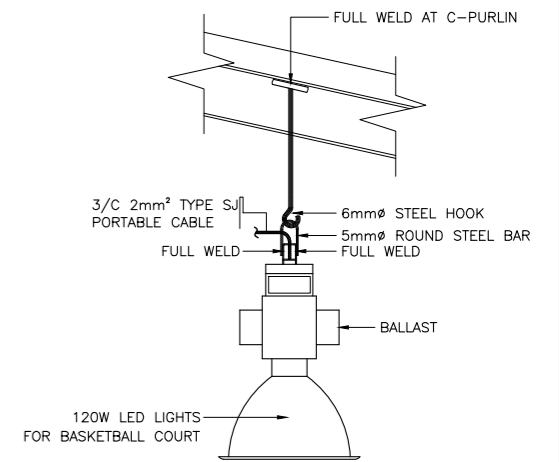
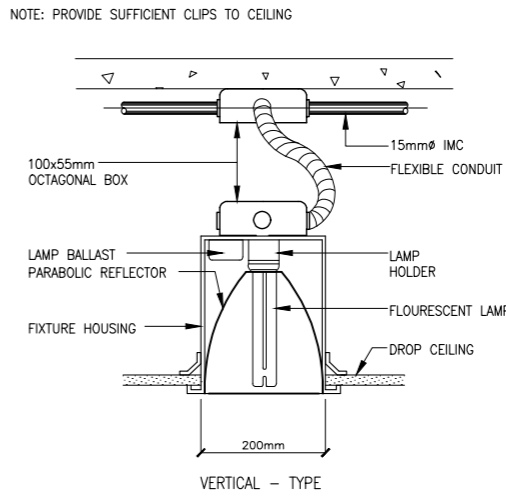
2 EXIT LIGHT MOUNTING DETAIL
E-16 SCALE: NTS

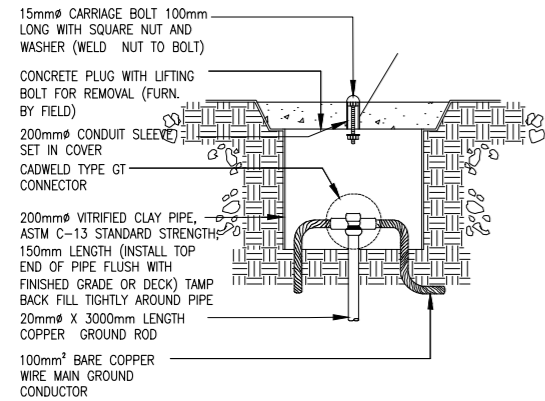


10 PINLIGHT MOUNTING DETAIL
E-16 SCALE: NTS

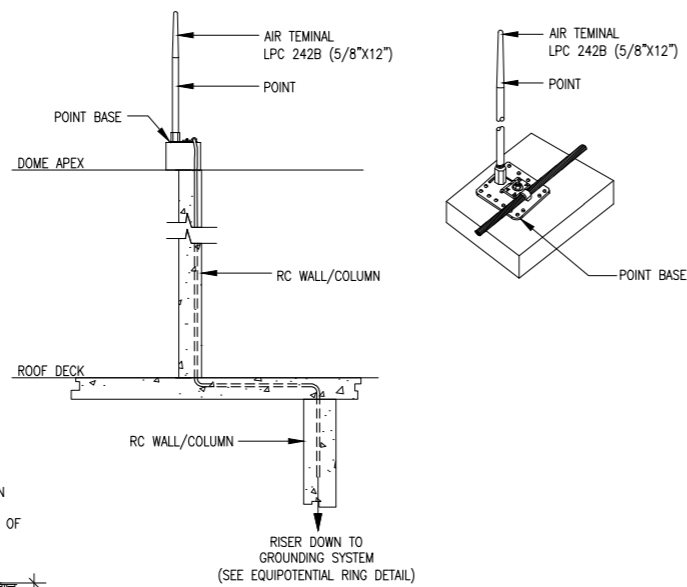


3 LED HIGBAY LIGHTING FIXTURE MOUNTING DETAIL
E-16 SCALE: NTS

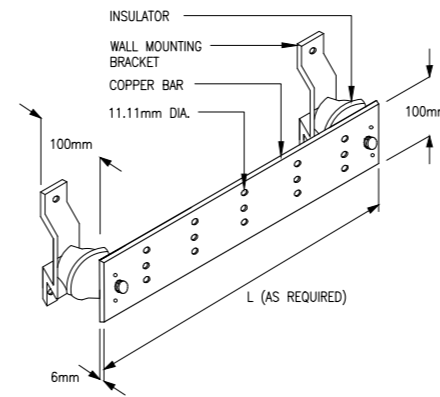




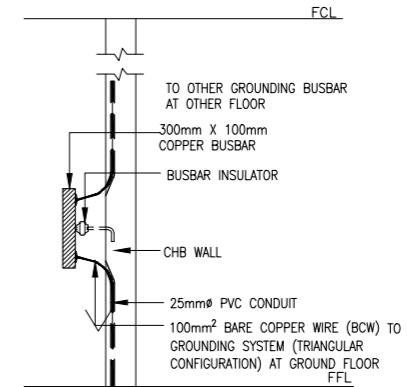
BLOW-UP DETAIL



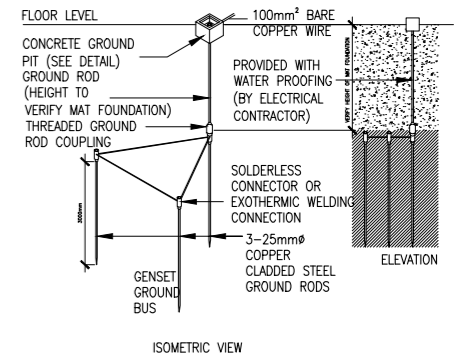
AIR TERMINAL INSTALLATION DETAIL



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



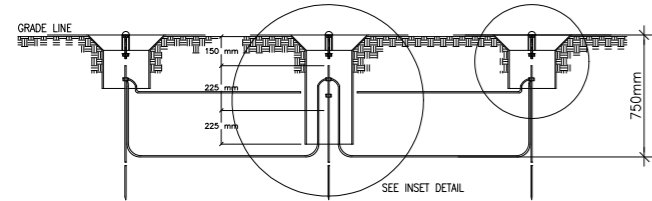
2 MOUNTING DETAIL OF GROUNDING BUSBAR
 E-17 SCALE: NTS



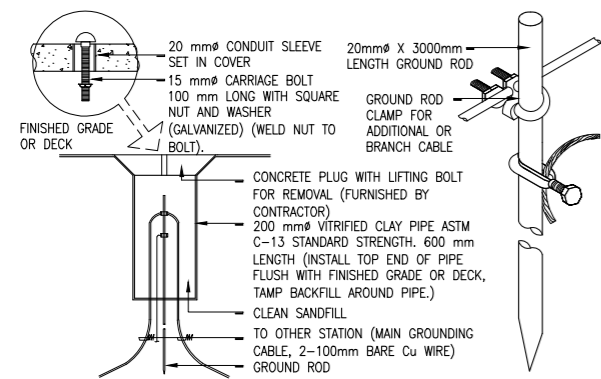
3 DETAILS OF EQUIPOTENTIAL RING
 E-17 SCALE: NTS

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.

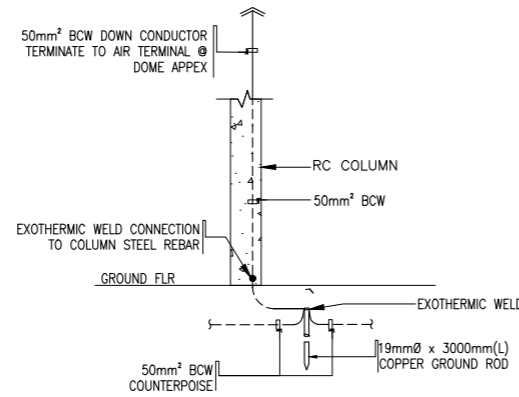


SECTIONAL ELEVATION

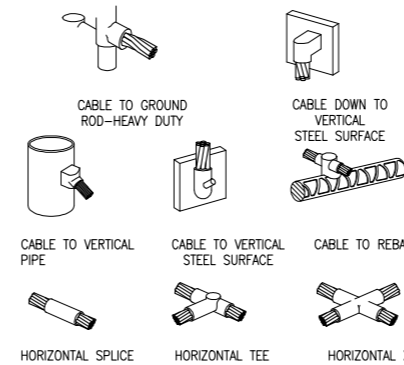


GROUND ROD TEST STATION DETAIL

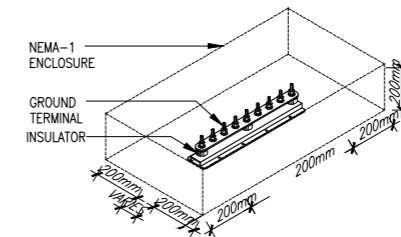
1 GROUNDING AND LIGHTING PROTECTION DETAIL
 E-17 SCALE: NTS



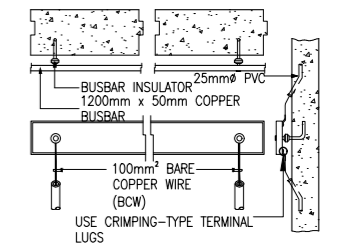
GROUND TERMINAL INSTALLATION DETAIL



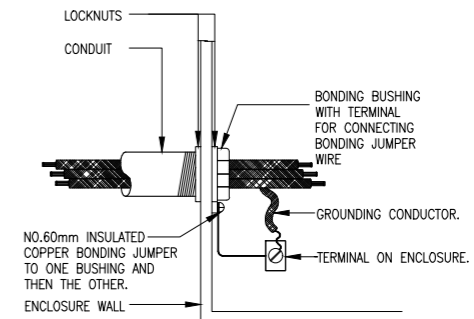
7 TYPICAL EXOTHERMIC CONNECTION (WELD) DETAIL
 E-17 SCALE: NTS



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
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 30244
 FAX NOS: 927 6608;
 426 7214

DESIGNER:
MANUEL V. PANIS
 PROFESSIONAL ELECTRICAL ENGINEER

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

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PROJECT:
PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM

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, Odiongan, Romblon

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 ACADEMIC BUILDING II
 MISCELLANEOUS DETAILS

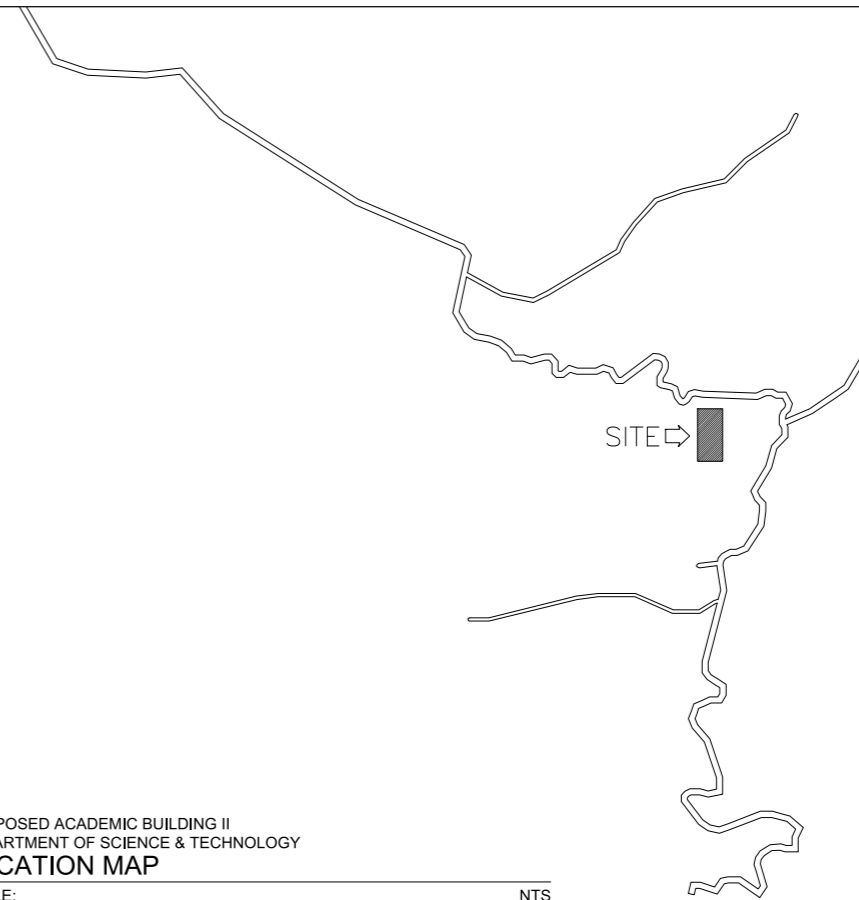
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E
 17 17

TABLE OF CONTENTS:

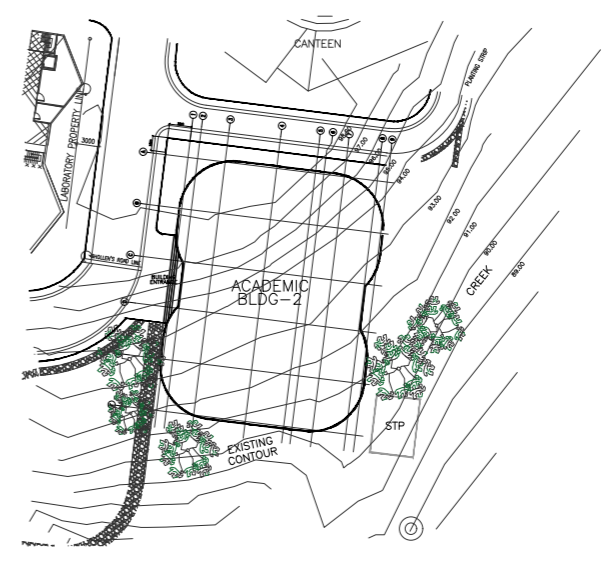
| SHEET | | CONTENT |
|---------|----|--|
| CODE | # | |
| PS - 01 | 01 | PROJECT TITLE, TABLE OF CONTENTS, GENERAL PLUMBING & SANITARY NOTES, LOCATION MAP, SITE DEVELOPMENT PLAN |
| PS - 02 | 02 | PLUMBING & SANITARY SYMBOLS/LEGENDS, PLUMBING & SANITARY ABBREVIATIONS, MATERIAL SPECIFICATIONS |
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GENERAL 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/OUT 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
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 30244
FAX NOS.: 927 0608;
426 7214

ENGINEER:
VICTORIA ADEDEC
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 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

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SHEET NO:
PS
01 21

PLUMBING and SANITARY SYMBOLS/LEGENDS:

| SYMBOL | ABBREVIATION | DESCRIPTIONS |
|---|-----------------|---|
| PLUMBING FIXTURES | | |
| | B | BIBET |
| | 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) |
| WATER SUPPLY SYSTEM | | |
| | 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 ARRESTER |
| | WL | WATER LEVEL |
| | WM | WATER METER |
| | YS | Y-STRAINER |
| SANITARY SEWER SYSTEM / WASTE SYSTEM | | |
| | 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 |
| STORMWATER DRAINAGE SYSTEM | | |
| | 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 / CANOPY 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 |
| COMMON | | |
| | 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 |
| OTHERS | | |
| | 45° OFFSET | PIPE ANCHOR |
| | CROSSOVER | PIPE GUIDE |
| | ELBOW | PIPE SLEEVE |
| | ELBOW UP | REDUCER/INCREASER CONCENTRIC |
| | ELBOW DOWN | REDUCER/INCREASER ECCENTRIC |
| | EXPANSION JOINT | TEE |
| | FLANGE JOINT | TEE DOWN |
| | FLOW DIRECTION | TEE UP |
| | PIPE CUT | SPLASH |

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 |
| (a/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/s) | WALL ATTACHED | MS | MOP SINK |
| (w/s) | WITHIN WALL (EMBEDDED) | MTD | MOUNTED |
| A | | N | |
| 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 | O | |
| AV | AIR VENT | OC | ON CENTER |
| B | | OD # | OUTSIDE DIAMETER |
| BEL | BELOW | OFCI | 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 | P | |
| BW | BACK WATER VALVE | P | PUMP |
| C | | P&S | PLUMBING & SANITARY |
| CAP | CAPACITY | PG/PAGES | 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 |
| D | | PSIA | PSI ABSOLUTE |
| DCA | DOUBLE CHECK VALVE ASSEMBLY | PSI GAUGE | PSI GAUGE |
| DA # | DIAMETER | PVC | POLYVINYL CHLORIDE |
| DGI | DRAINAGE GRADE INLET | Q | |
| DN # | NOMINAL DIAMETER | QCV | QUICK COUPLING VALVE |
| DN | DOWN | QTY | QUANTITY |
| DSN | DOWNSPOUT NOZZLE | R | |
| E | | RC | REINFORCED CONCRETE |
| EA | ELEVATION | RPC | REINFORCED CONCRETE PIPE CURVE |
| ECC | ECCENTRIC | REQD | REQUIRED |
| EL | ELEVATION | RPM | REVOLUTION PER MINUTE |
| ELECT | ELECTRICAL | RM | ROOM |
| EQUIP | EQUIPMENT | RSB | REINFORCING STEEL BAR |
| ET | EXPANSION TANK | S | |
| EWS | EMERGENCY SHOWER & EYE WASH | S | SANITARY SEWER |
| EXT | EXTERNAL | SCH | THICK |
| F | | SDR | STANDARD DIAMETER RATIO |
| F/A | FROM ABOVE | SE | SEWAGE INJECTOR |
| FC | FLEXIBLE CONNECTION | SHT | SHEET |
| FCW | FILTER COLD WATER | SHM | 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 |
| G | | T | |
| 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 |
| H | | TPr | TRAP PRIMER |
| h | HEIGHT | TS | TECHNICAL SPECIFICATIONS |
| HD | HEAD | TYP | TYPICAL |
| HDPE | HIGH DENSITY POLYETHYLENE | U | |
| H/L | HIGH LEVEL | UL | UNDERWRITERS LABORATORY |
| HP | HORSEPOWER | UNO | UNLESS NOTED OTHERWISE |
| HZ | HERTZ | V | |
| I | | V | VOLT |
| ID # | INSIDE DIAMETER | VEL | VELOCITY |
| IE | INVERT ELEVATION | VERT | VERTICAL |
| IN (*) | INCHES | VLV | VALVE |
| K | | W | |
| KG | KILOGRAM | W | WASTE |
| KW | KILOWATT | w | WIDTH |
| L | | 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 |
| LDC | LOCATION | WT | WEIGHT |
| LPS | LITER PER SECOND | WW | WASTEWATER DEPTH |
| M | | 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 |
|--|--|---|---|---|--|---|
| WATER DISTRIBUTION (POTABLE & NON-POTABLE) | OUTSIDE / EXTERIOR / EXPOSED (BEHIND MAIN TO CENTER TO A RISER, AND EXPOSED PART OF DOWNFEED) | GI PIPE SCH. 40 | ASTM-A-120-89 ASTM 197/A, 197M-87 (JOINTS) ASTM 197/A, 197M-87 (JOINTS) | ≤ 60ID IS THREADED / SCREWED ≥ 63ID IS FLANGED | "SUPREME", "AFO" 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 |
| SANITARY SEWER | 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 |
| WASTE / GREASE LINE | 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 |
| VENT LINE | 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 |
| STORMWATER DRAINAGE | 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 (RCCB CLASS II) | ACPA MANUAL AASHTO M-170 ASTM C6-85 DPWH STANDARD | CEMENT MORTAR JOINTS | DWPH ACCREDITED MANUFACTURER / SUPPLIER | 1/2" THK CLOSE CELL ELASTOMERIC THERMAL INSULATION "AEROFLEX" "THERMOFLEX" "K-FLEX" OR APPROVED EQUAL PIPES ON PLAN ARE ANNOTATED w/ INSIDE DIMENSION |
| CONDENSATE DRAINAGE | STACKS, MAIN COLLECTORS LATERALS, BRANCHES | ≤ 40 ID - PVC CLASS 150 ≥ 50 ID - PVG 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 |
| CHECK VALVE | PUMPING SYSTEM | IRON BODY BRONZE TRIM | MSS SP-71 | ≤ 40ID IS THREADED / SCREWED ≥ 50ID 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-40 | ≤ 40ID IS THREADED / SCREWED ≥ 50ID IS FLANGED | "SIAM", "KITZ", "HONEYWELL" OR APPROVED EQUAL | SPRING LOADED VALVE DISC, RESILIENT SEAL BRONZE/STAINLESS STEEL REMOVABLE VALVE SEAT, RATED AT 120 PSIG, FEMALE THREADED CONNECTION |
| | | BRONZE FINISHED | MSS SP-80 | ≤ 50ID IS FLANGED | "SIAM", "KITZ", "HONEYWELL" OR APPROVED EQUAL | SPRING LOADED VALVE DISC, RESILIENT SEAL BRONZE/STAINLESS STEEL REMOVABLE VALVE SEAT, RATED AT 120 PSIG, FLANGED CONNECTION |
| GATE VALVE | PUMPING SYSTEM | BRONZE FINISHED IRON BODY BRONZE TRIM | AWWA/ANSI C500-09 / MSS SP-80 AWWA/ANSI C500-09 / MSS SP-80 | ≤ 40ID IS THREADED / SCREWED ≥ 50ID IS FLANGED | "SIAM", "KITZ", "HONEYWELL" OR APPROVED EQUAL | RISING STEM/NON-RISING STEM RATED AT 150 PSIG, BRONZE FINISHED RISING STEM OUTSIDE SCREW & YOKE (OS&Y) RATED AT 150 PSIG, BRONZE FINISHED, FLANGE CONNECTION |
| | OTHER THAN FOR PUMPING SYSTEM | BRONZE FINISHED | AWWA/ANSI C500-09 | ≤ 40ID IS THREADED / SCREWED ≥ 50ID IS FLANGED | "SIAM", "KITZ", "HONEYWELL" OR APPROVED EQUAL | RISING STEM/NON-RISING STEM RATED AT 150 PSIG, BRONZE FINISHED RISING STEM OUTSIDE SCREW & YOKE (OS&Y) RATED AT 150 PSIG, BRONZE FINISHED, FLANGE CONNECTION |
| FLOAT VALVE | WATER TANKS | BRASS | AWWA C701 | ≤ 40ID IS THREADED / SCREWED ≥ 50ID IS FLANGED | "BERMAD 705-66" OR APPROVED EQUAL | CLASS 150 |
| | | | | ≤ 40ID IS THREADED / SCREWED ≥ 50ID IS FLANGED | "BERMAD 705-66" OR APPROVED EQUAL | CLASS 150, NUTS & BOLTS SHALL BE GALVANIZED, BASKET & BASKET LATCH SHALL BE STAINLESS STEEL |
| WYE STRAINER | PUMPING SYSTEM, SERVICE CONNECTION | COPPER ALLOY / CAST IRON BODY | AWWA C701 | ≤ 40ID IS THREADED / SCREWED ≥ 50ID IS FLANGED | "BERMAD 705-66" OR APPROVED EQUAL | CLASS 150, NUTS & BOLTS SHALL BE GALVANIZED, BASKET & BASKET LATCH SHALL BE STAINLESS STEEL |
| WATER METER | AT ZONING, SERVICE CONNECTION | BRASS | AWWA C701 | ≤ 40ID IS THREADED / SCREWED ≥ 50ID 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 |
| DRAINAGE MANHOLE | 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 |
| ROOF DRAIN | DECK | CAST IRON BODY | ANSI A112.21.2M | AS PER BRAND SPECIFIED | "JAMAN", "UNILEX" OR APPROVED EQUAL | DOME TYPE STRAINER |
| WATER HAMMER ARRESTER | 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 EACH ITEM. THE REASON FOR REJECTION SHALL BE WRITTEN RECOMMENDATION FOR TO END USER/OWNER AND SHALL BE APPROVED BY BOTH "APPROVED EQUAL" SHALL BE THE CONTRACTOR'S BURDEN OF PROOF.

| | |
|---|--|
| <p>ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS</p> <p>SUITE 305 NAVERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 30244 FAX NOS: 927 6608; 426 7214</p> | <p>ENGINEER:</p> <p>VICTORIA ADEGER SANITARY ENGINEER</p> |
|---|--|

SCHEDULE OF PLUMBING AND SANITARY EQUIPMENT

PUMPS

| MARK | ITEM | QTY | TYPE | PUMP CAPACITY | | MOTOR CAPACITY | | | | CONTROLLER / ACCESSORIES | LOCATION | REMARKS |
|------------------------------|---|-------------------|--|---------------|----------|----------------|-------------|-------|------------------------------------|---|-----------------------|---|
| | | | | FLOW (GPM) | TDH (FT) | POWER (HP) | VOLTAGE (V) | PHASE | CYCLE (Hz) | | | |
| 01 DUPLEX CPS 5.0HP | BOOSTER PUMP (CONSTANT PRESSURE SYSTEM) | 1 SET (DUPLICATE) | 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 | 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 | | | | | | | |
| | | | | PUMP 2 | | | | | | | | |
| | | | | 80 | 100 | 5 | | | | | | |

TANKS

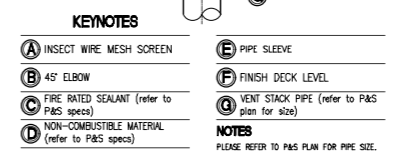
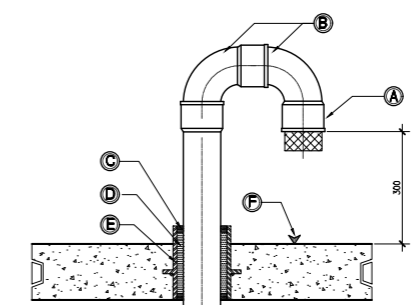
| MARK | ITEM | QTY | CHAMBERS | CAPACITY (Liters) | INSIDE DIMENSIONS | | | | LOCATION | REMARKS |
|--------------------|----------------------------|------------|----------|-------------------|-------------------|------------|-------------|-----------------|---------------------------|---|
| | | |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

WATER HEATER

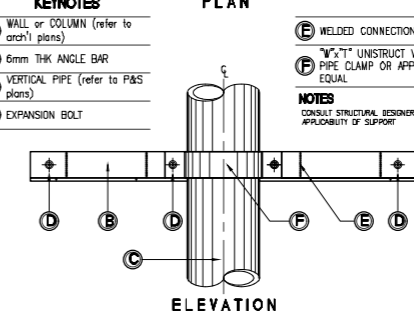
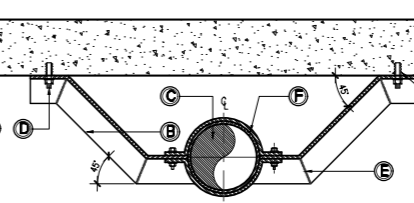
| MARK | ITEM | QTY | DETAILS | FLOW (LPM) | CWL (mm OD) | POWER (kW) | VOLTAGE (V) | PRESSURE (max/min) PSI | CYCLE (Hz) | LOCATION | REMARKS |
|----------------------|-----------------------------|---------|---|------------|-------------|------------|-------------|------------------------|------------|----------|--|
| 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

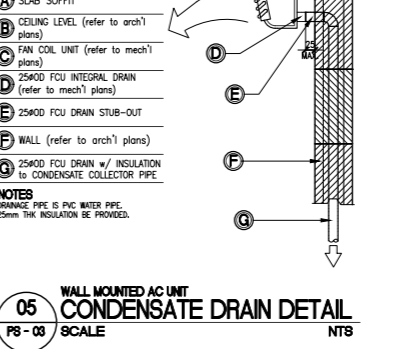
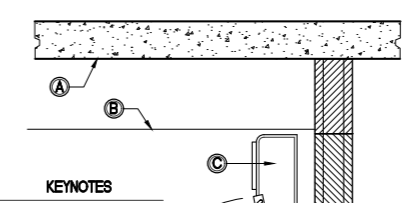
| MARK | ITEM | QTY | DIGESTIVE CHAMBERS | CAPACITY (GALS) | INSIDE DIMENSIONS | | | | WW _D (mm) | LOCATION | REMARKS |
|---------------------|-------------|------------|--------------------|-----------------|-------------------|------------|-------------|-----------------|----------------------|-------------------------------|---|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



01 VENT STACK THRU DECK DETAIL
P8-03 SCALE NTS



03 RISER SWAY DETAIL
P8-03 SCALE 10MMTS



05 WALL MOUNTED AC UNIT CONDENSATE DRAIN DETAIL
P8-03 SCALE NTS

06 WALL EMBEDDED PIPING HOSE BIBB DETAIL
P8-03 SCALE NTS

ENRIQUE O. OLONAN & ASSOCIATES
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305
NAVERVILLE SQUARE
CONDOMINIUM
NO. 38 XAVIERVILLE
AVE., LOYOLA HEIGHTS,
QUEZON CITY, 1108
TEL. NOS: 426 7009;
426 30244
FAX NOS: 927 0608;
426 7214

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

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

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PROJECT:
**PROPOSED
ACADEMIC BUILDING II**

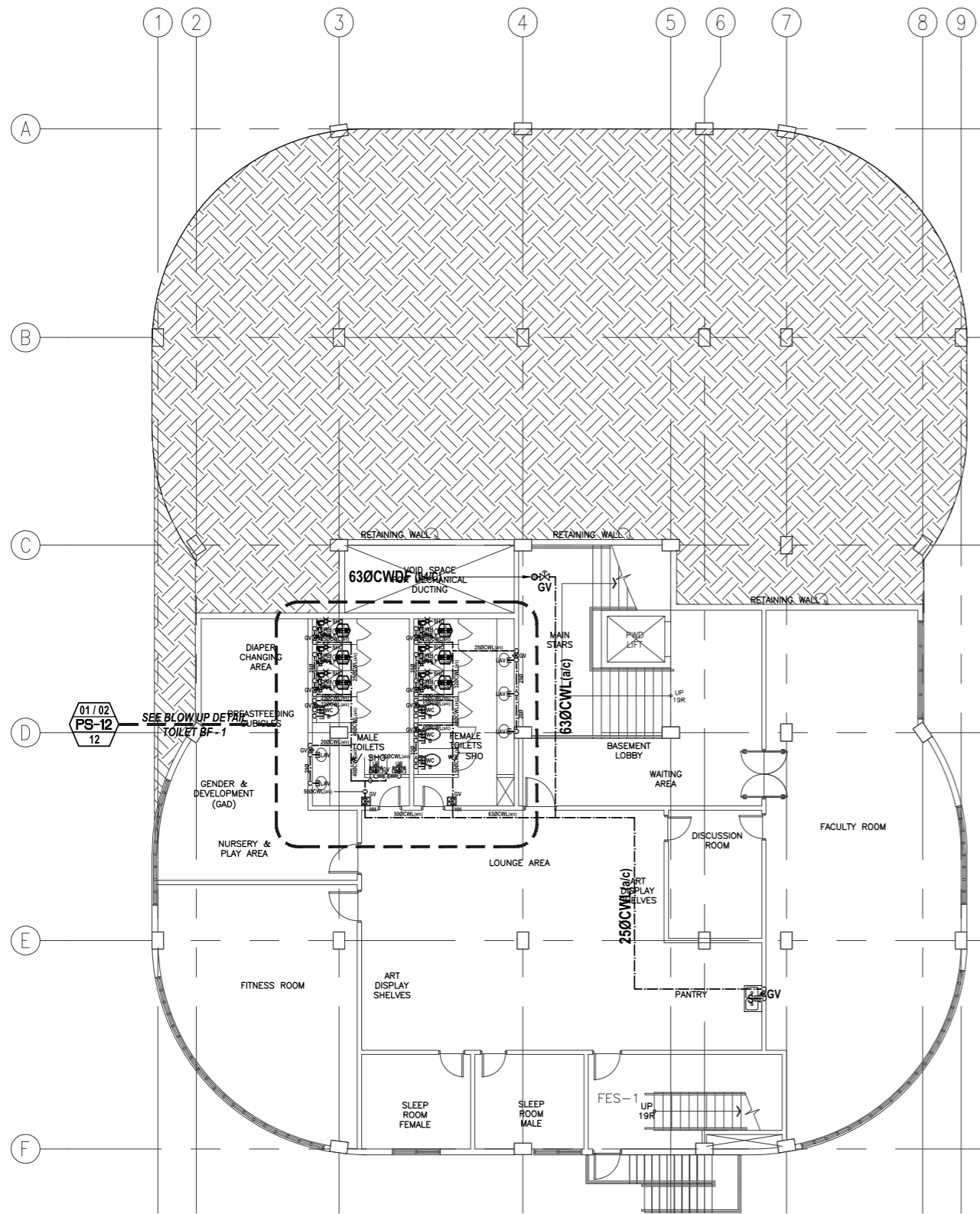
DESIGNED FOR:
**REPUBLIC OF THE PHILIPPINES
PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS**

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

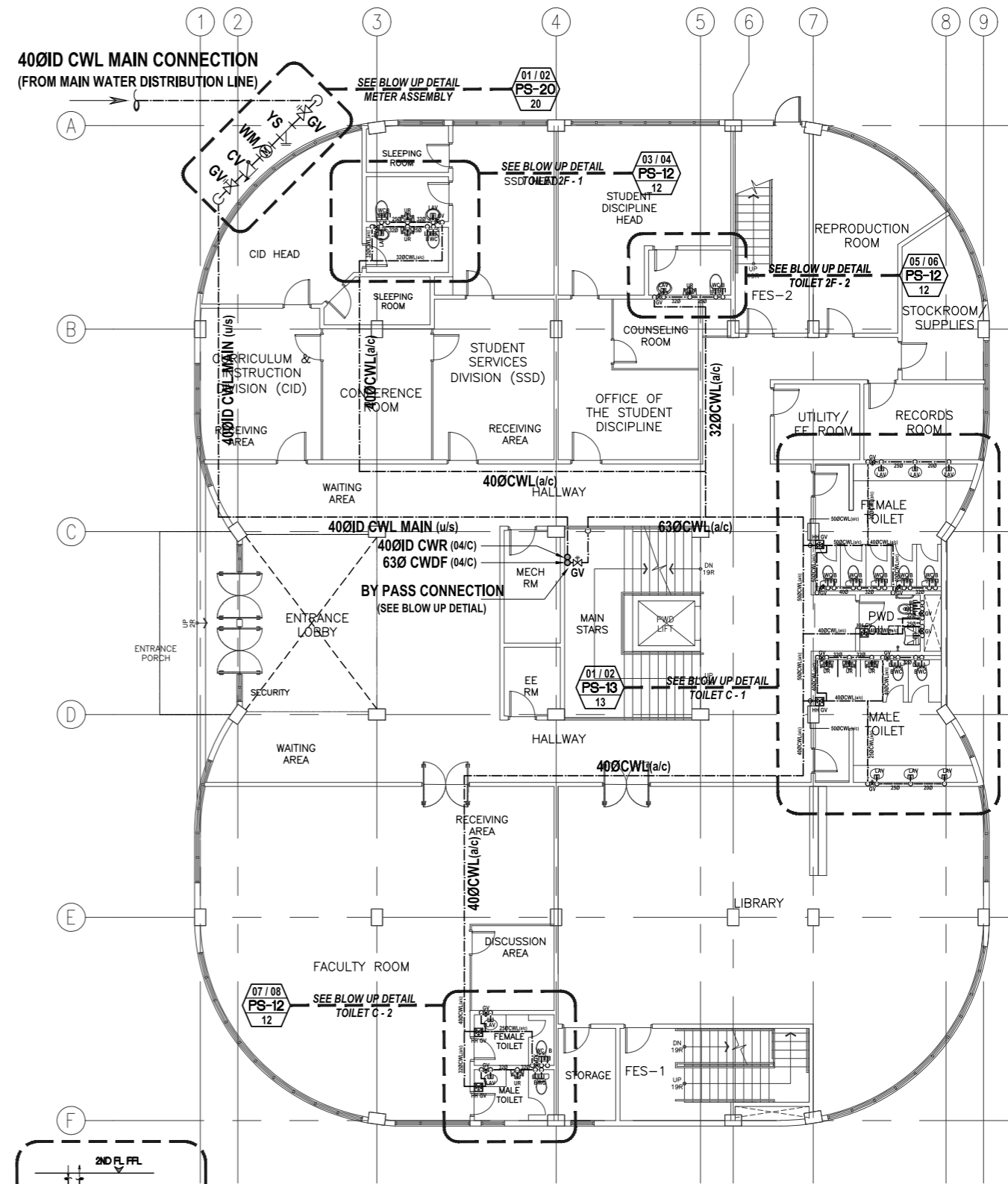
APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
SCHEDULE OF PLUMBING & SANITARY EQUIPMENT MISCELLANEOUS DETAILS

SHEET NO.:
**PS
03 21**



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



02 ACAD. BUILDING II GROUND FLOOR WATER SUPPLY DISTRIBUTION SYSTEM LAYOUT
 PS - 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
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS.: 425 7009;
 425 30244
 FAX NOS.: 927 6609;
 425 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

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

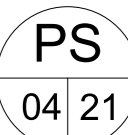
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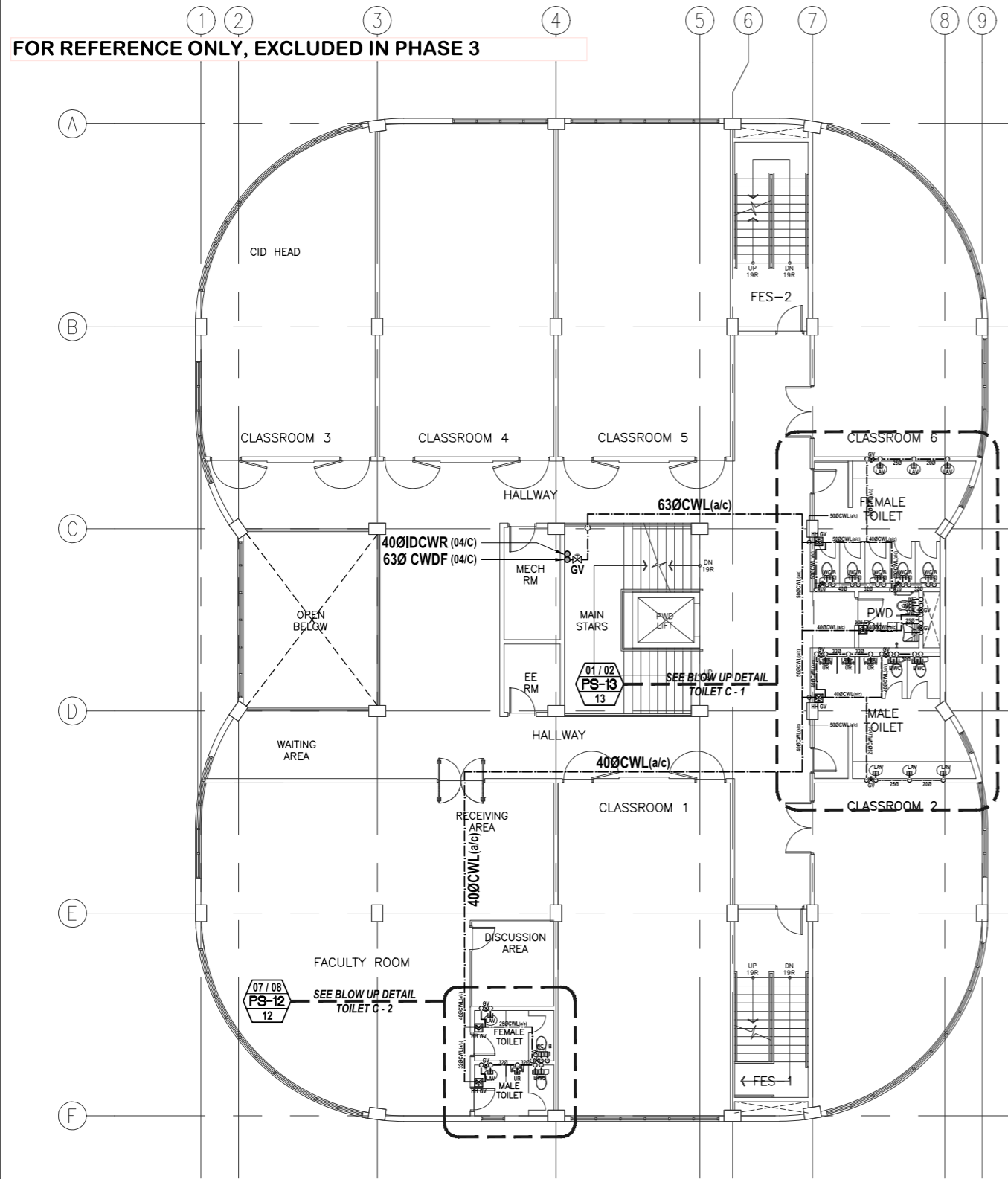
 REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

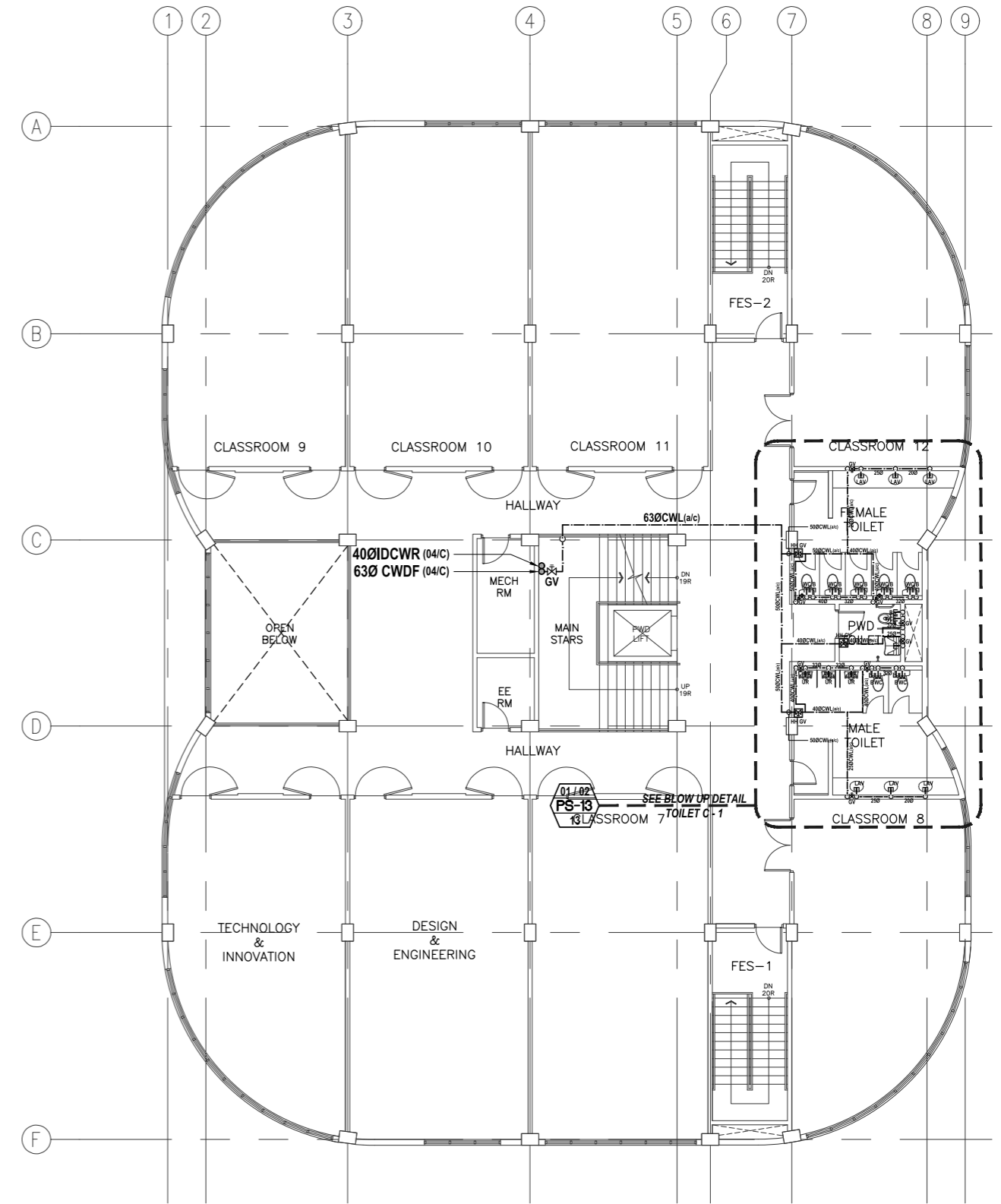
APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

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

SHEET NO:




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
AVE., LOYOLA HEIGHTS,
QUEZON CITY, 1108
TEL. NOS.: 426 7009;
426 30244
FAX NOS.: 927 6608;
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

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

DESIGNED FOR:

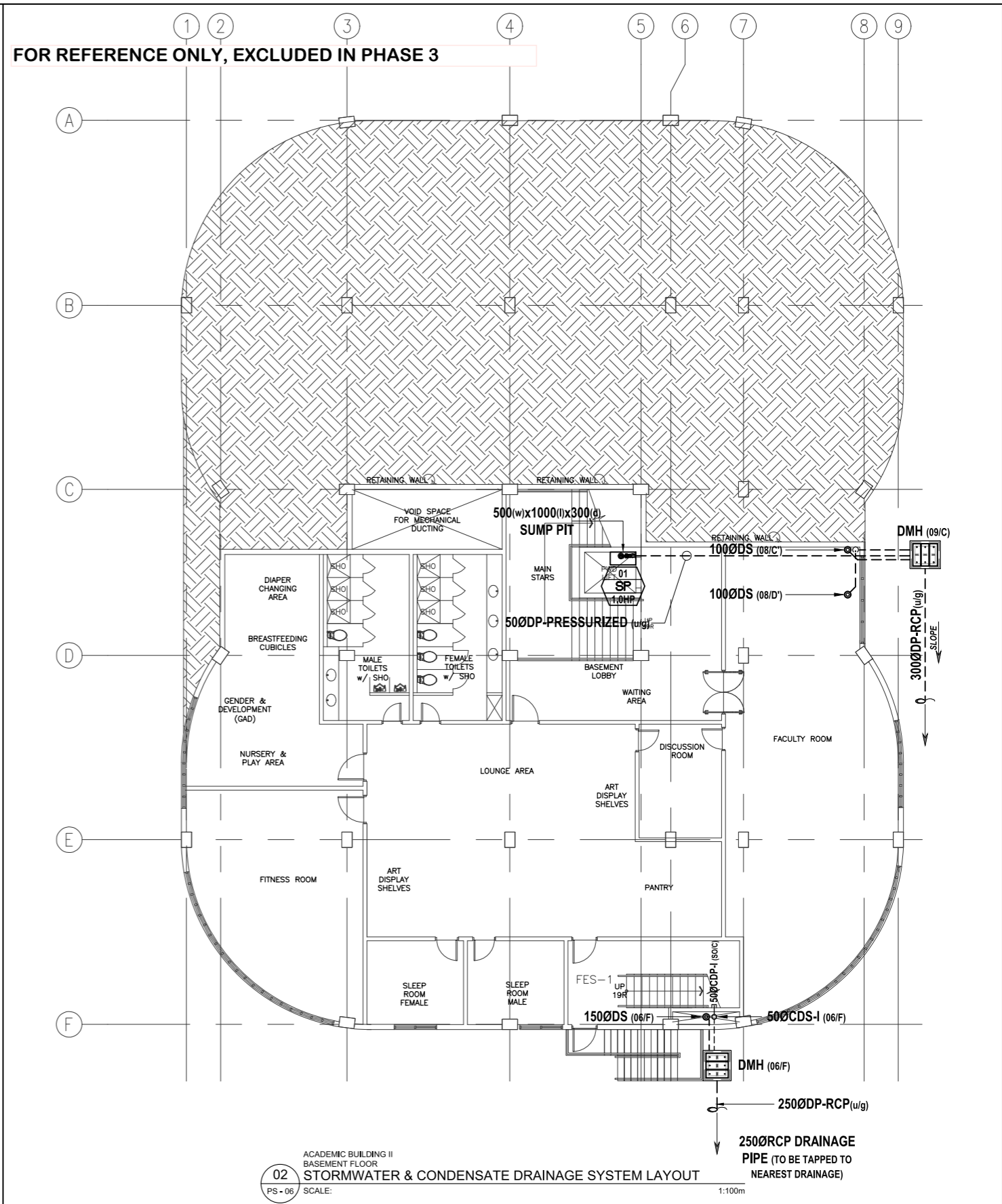
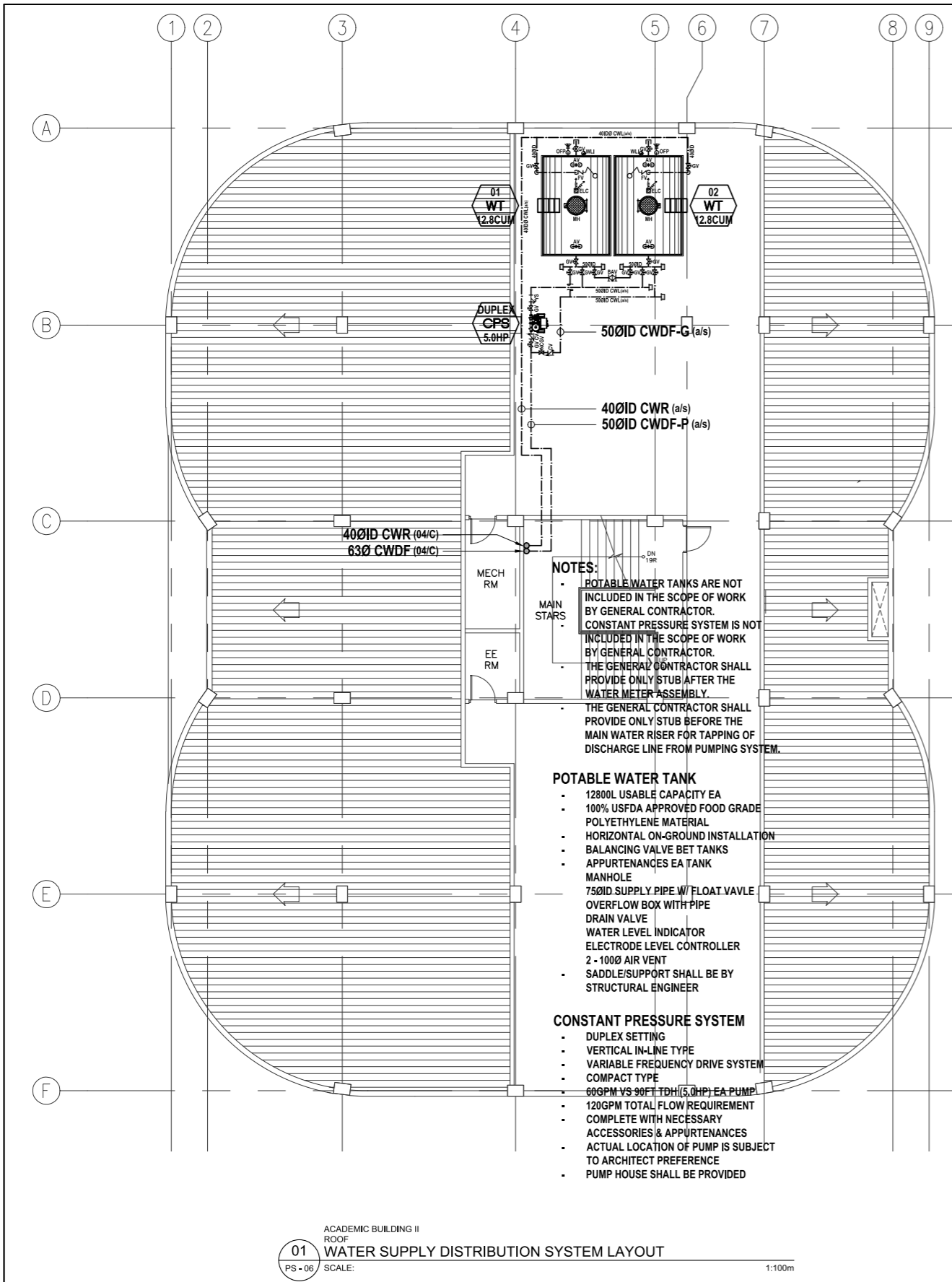
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PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

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**



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;
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PROJECT:
**PROPOSED
 ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiangan, Romblon

DESIGNED FOR:

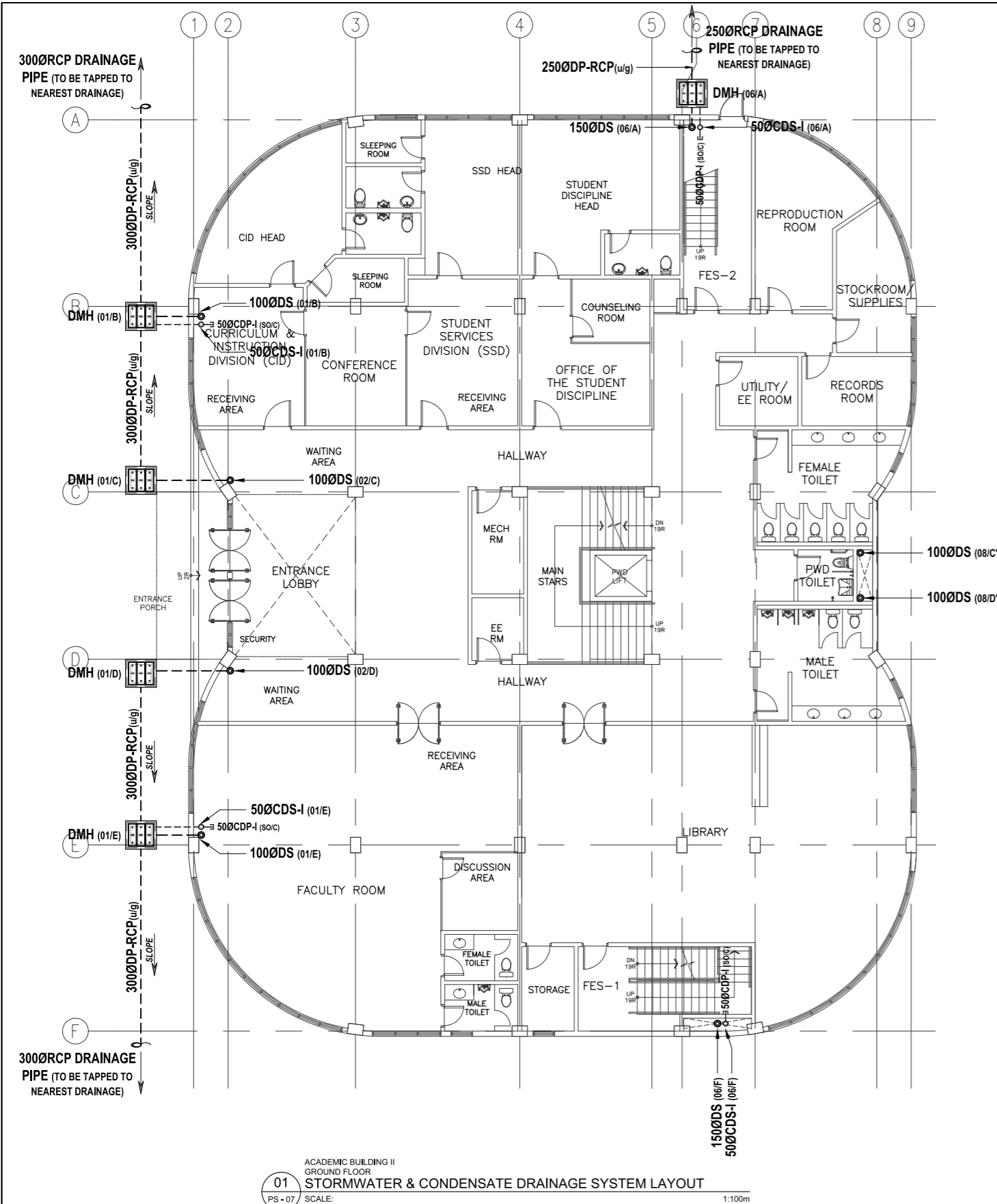
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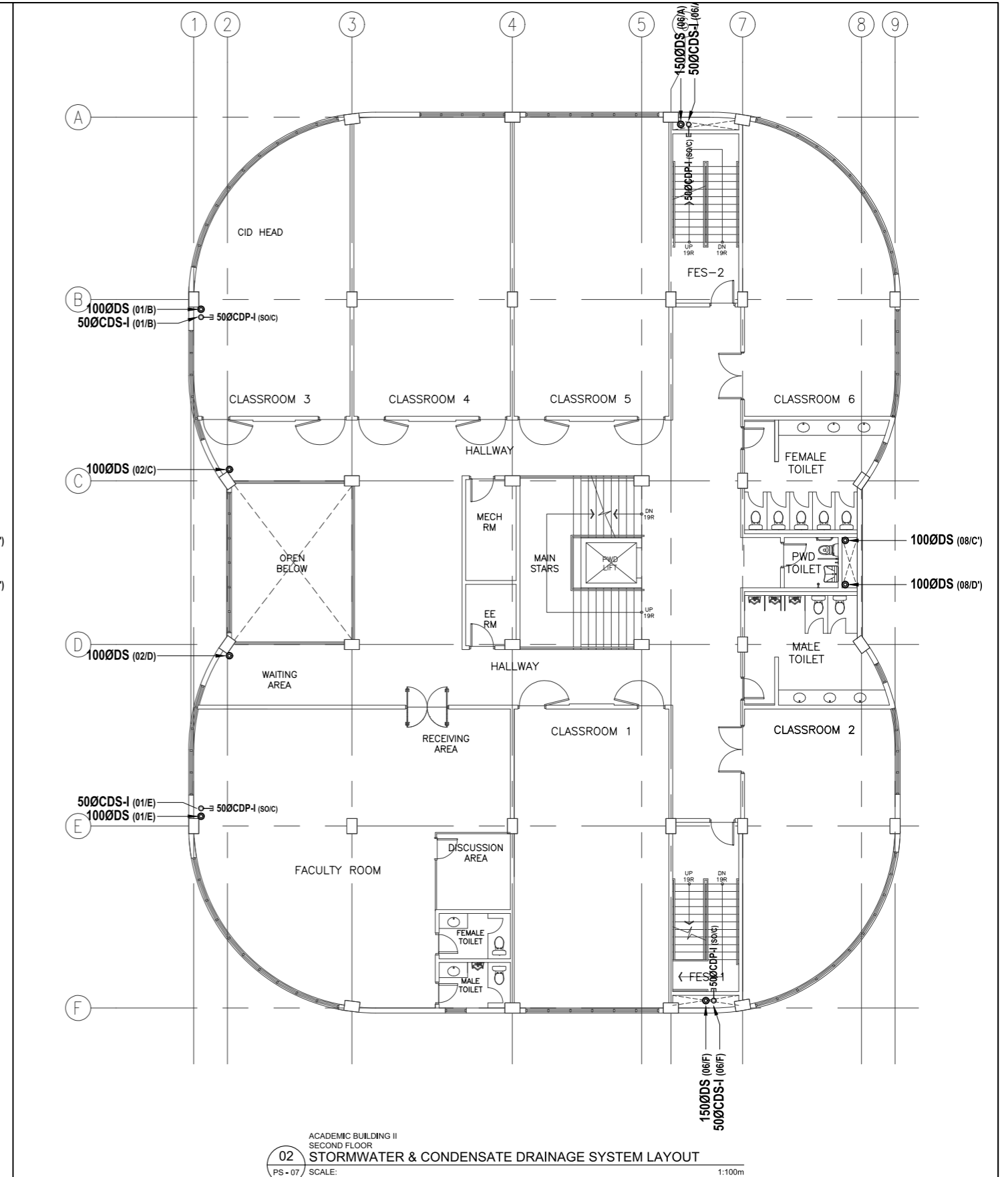
APPROVED BY:
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 CAMPUS DIRECTOR

SHEET CONTENTS:
 WATER SUPPLY DISTRIBUTION SYSTEM
 - ROOF
 STORMWATER & CONDENSATE DRAINAGE SYSTEM
 - BASEMENT FLOOR

SHEET NO:
**PS
 06 21**



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


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SUITE 305
XAVIERVILLE SQUARE
CONDOMINIUM
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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

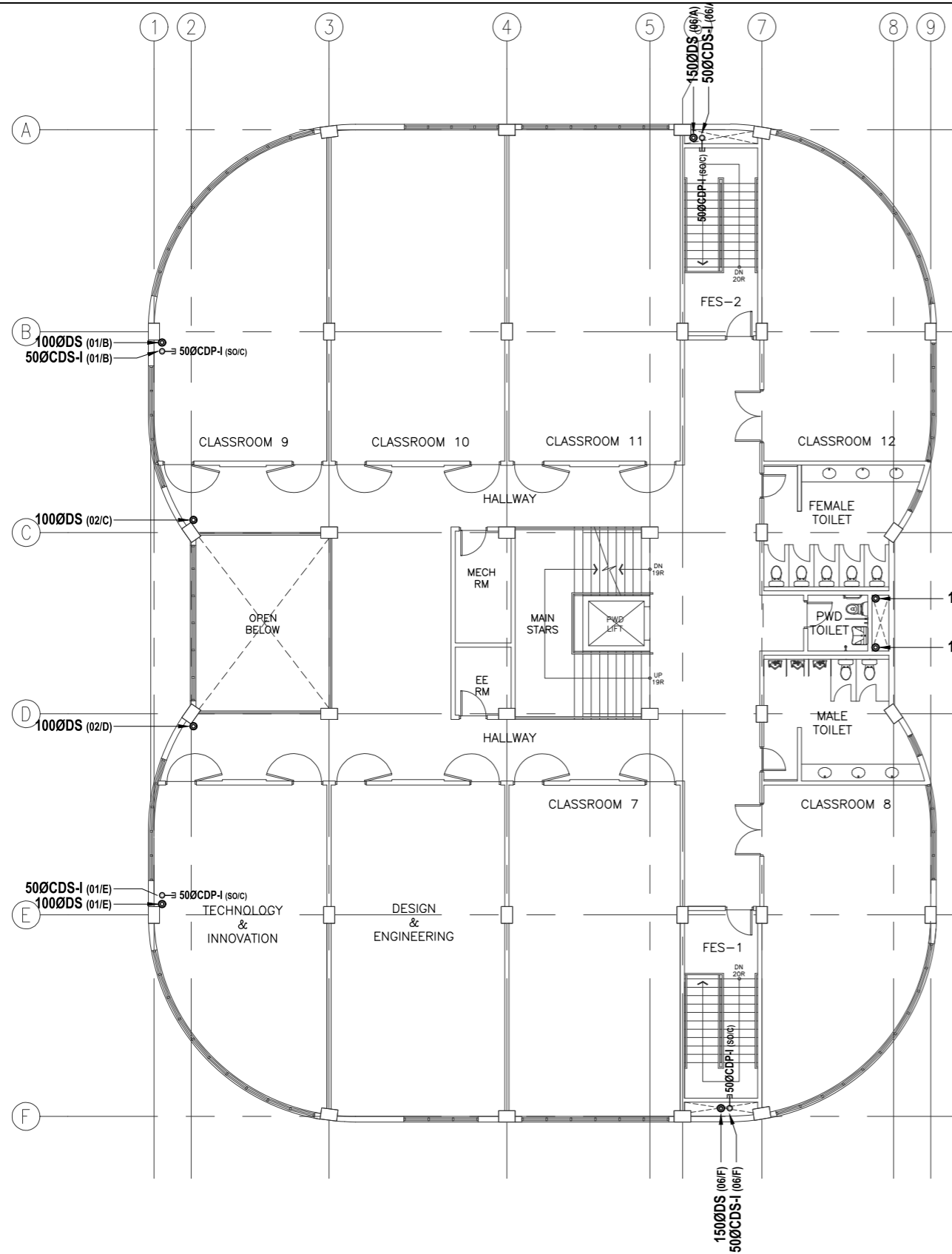
DESIGNED FOR:

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

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

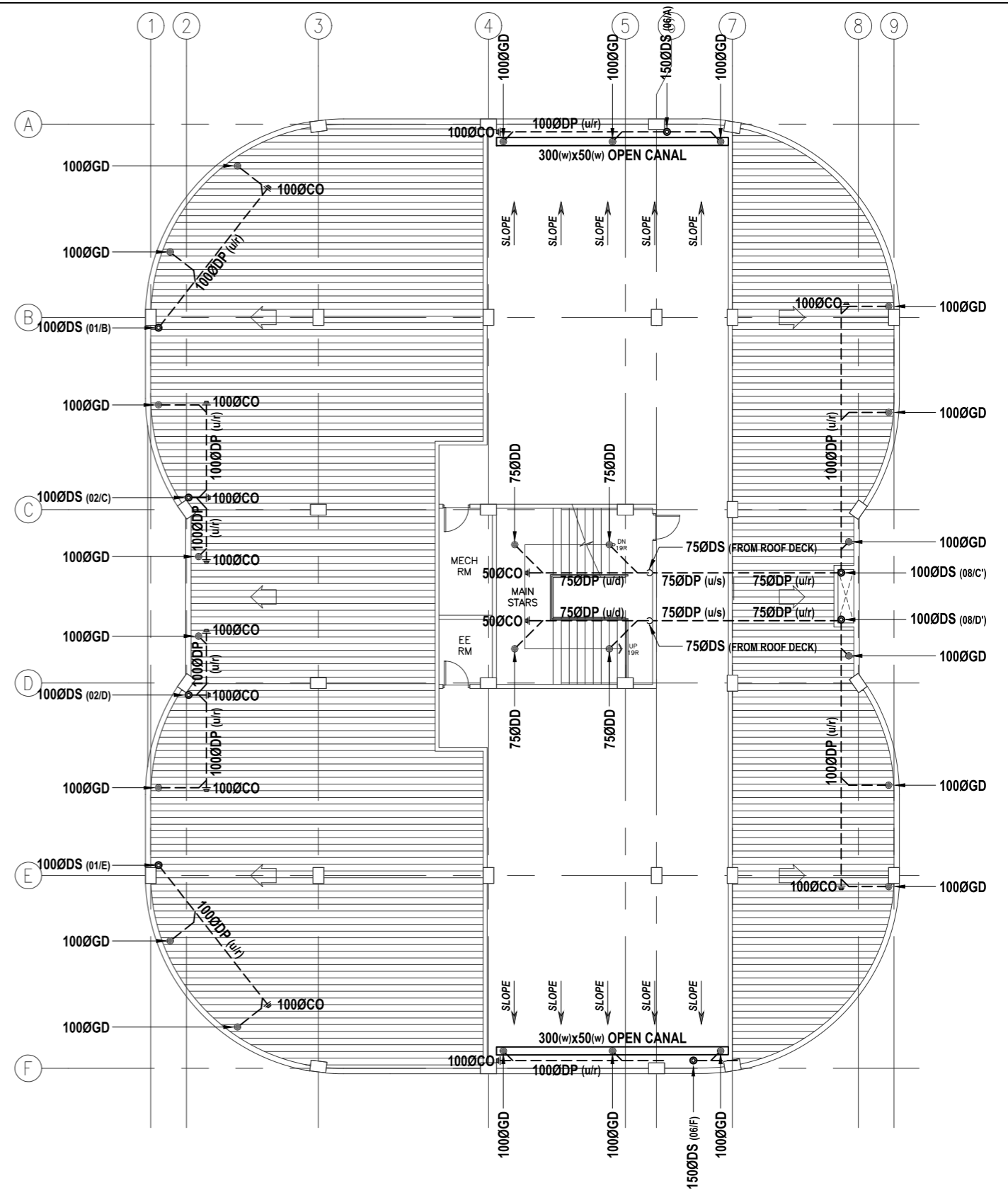
APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
STORMWATER & CONDENSATE DRAINAGE SYSTEM
- GROUND FLOOR
- SECOND FLOOR

SHEET NO.:
**PS
07 21**



01 ACADMIC BUILDING II
THIRD FLOOR
STORMWATER & CONDENSATE DRAINAGE SYSTEM LAYOUT
SCALE: 1:100m



02 ACADMIC 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
AVE., LOYOLA 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 |

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

DESIGNED FOR:

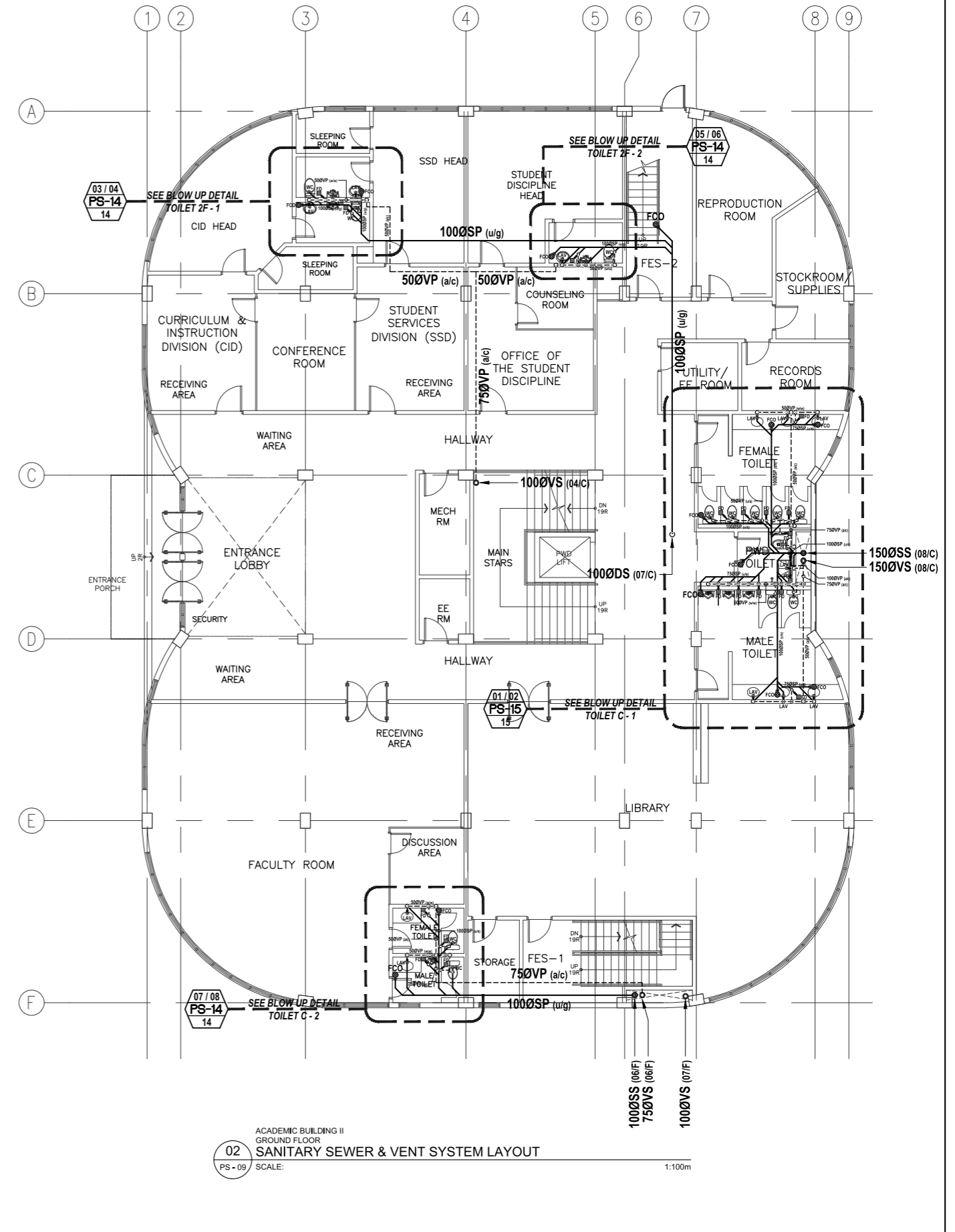
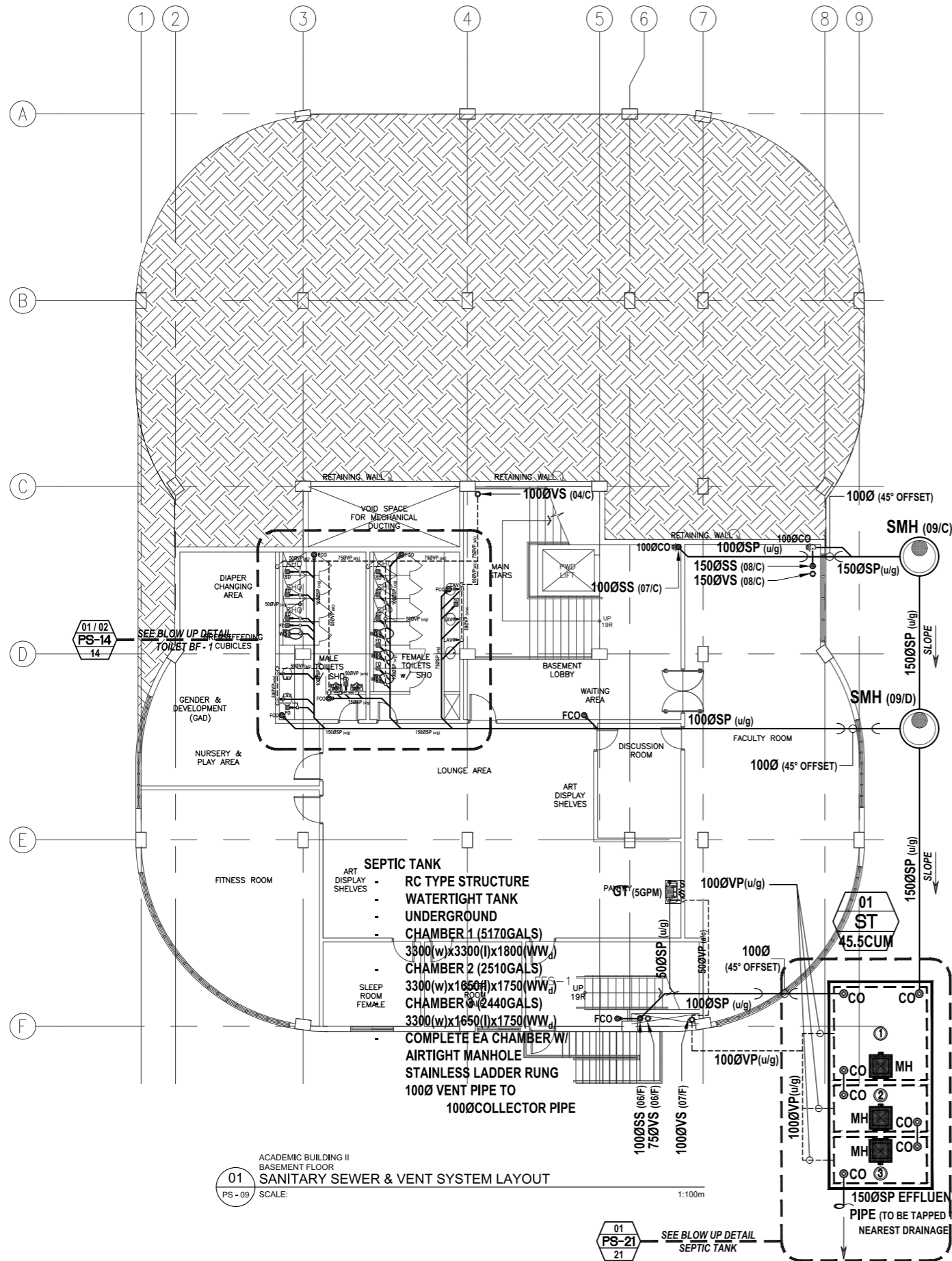
REPUBLIC OF THE PHILIPPINES
PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

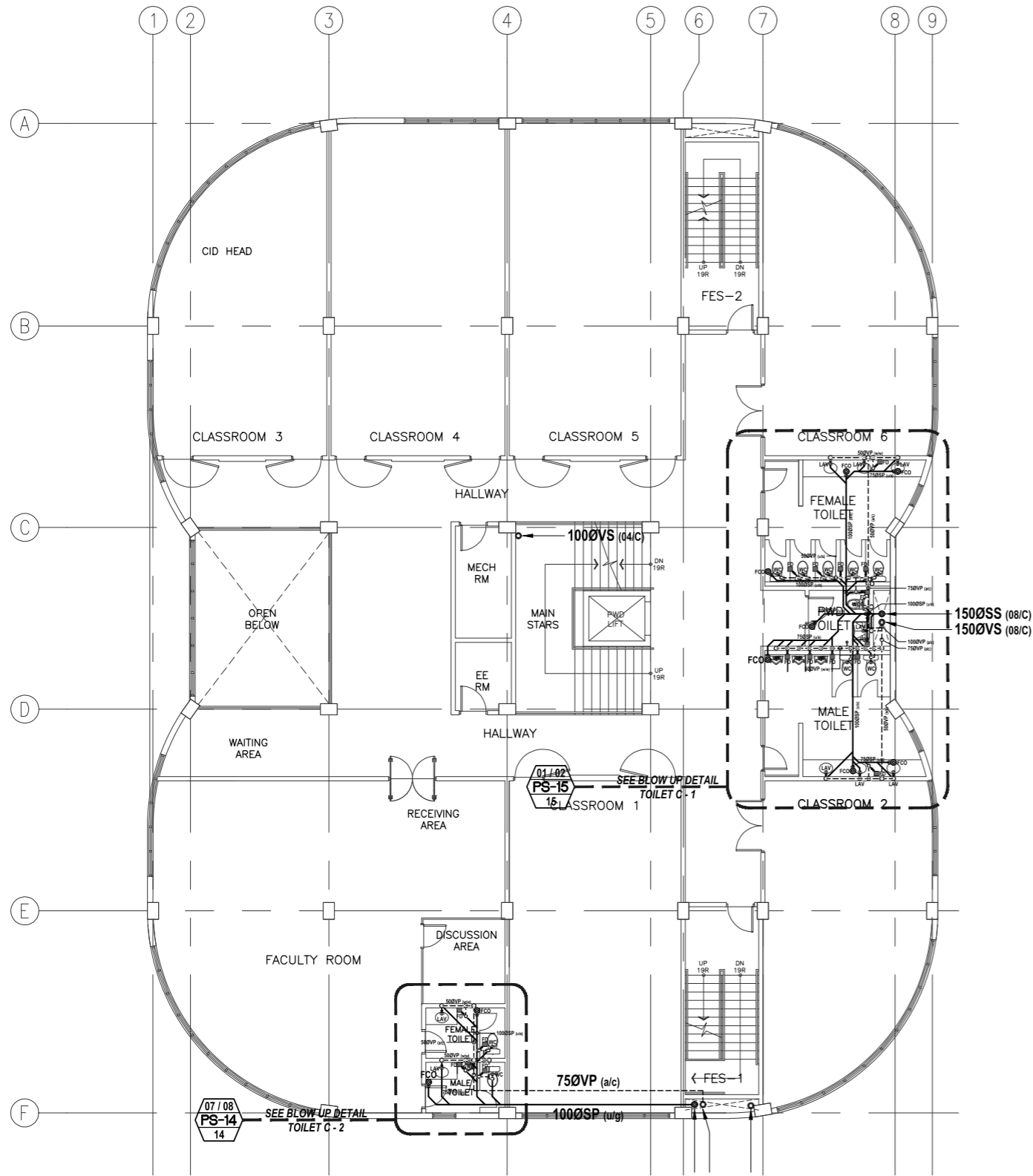
APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
STORMWATER & CONDENSATE DRAINAGE SYSTEM
- THIRD FLOOR
- ROOF

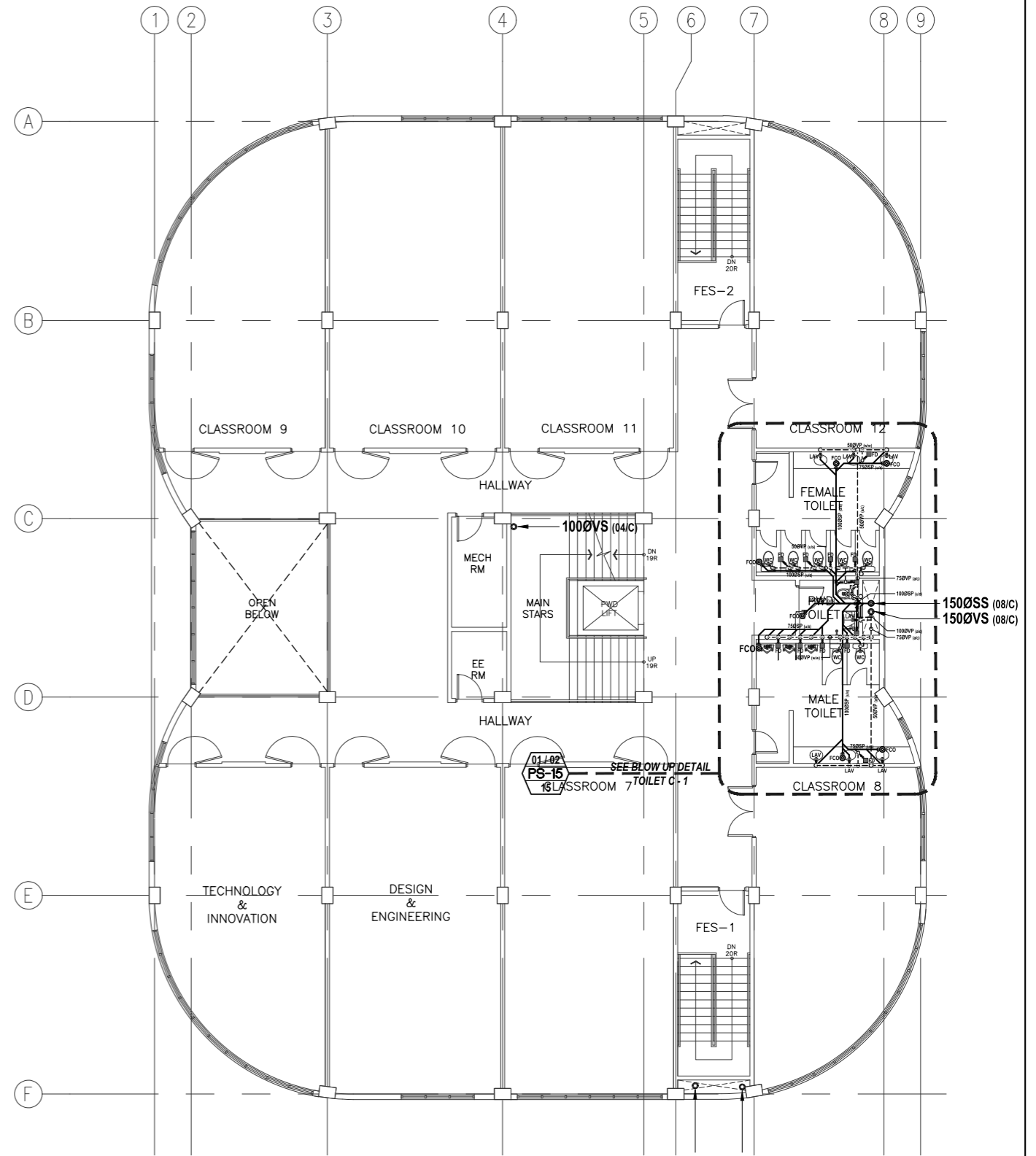
SHEET NO:
PS
08 21



| | | | | | | | | |
|---|---|--|---|---|---|--|--|------------------------|
| <p>ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p> | <p>ENGINEER: VICTORIA ADEDECER 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 PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</p> | <p>PROJECT: PROPOSED ACADEMIC BUILDING II</p> | <p>DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p> | <p>RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF</p> | <p>APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR</p> | <p>SHEET CONTENTS: - SANITARY SEWER & VENT SYSTEM - BASEMENT FLOOR - GROUND FLOOR</p> | <p>SHEET NO: </p> |
| | <p>SUITE 305 XAVERVILLE SQUARE CONDOMINIUM NO. 38 XAVERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS.: 426 7009; 426 30244 FAX NOS.: 927 0609; 426 7214</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, Odiongan, Romblon</p> | | | | | |



01
PS - 10
ACADEMIC BUILDING II
SECOND FLOOR
SANITARY SEWER & VENT SYSTEM LAYOUT
SCALE: 1:100m



02
PS - 10
ACADEMIC BUILDING II
THIRD FLOOR
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

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

DESIGNED FOR:

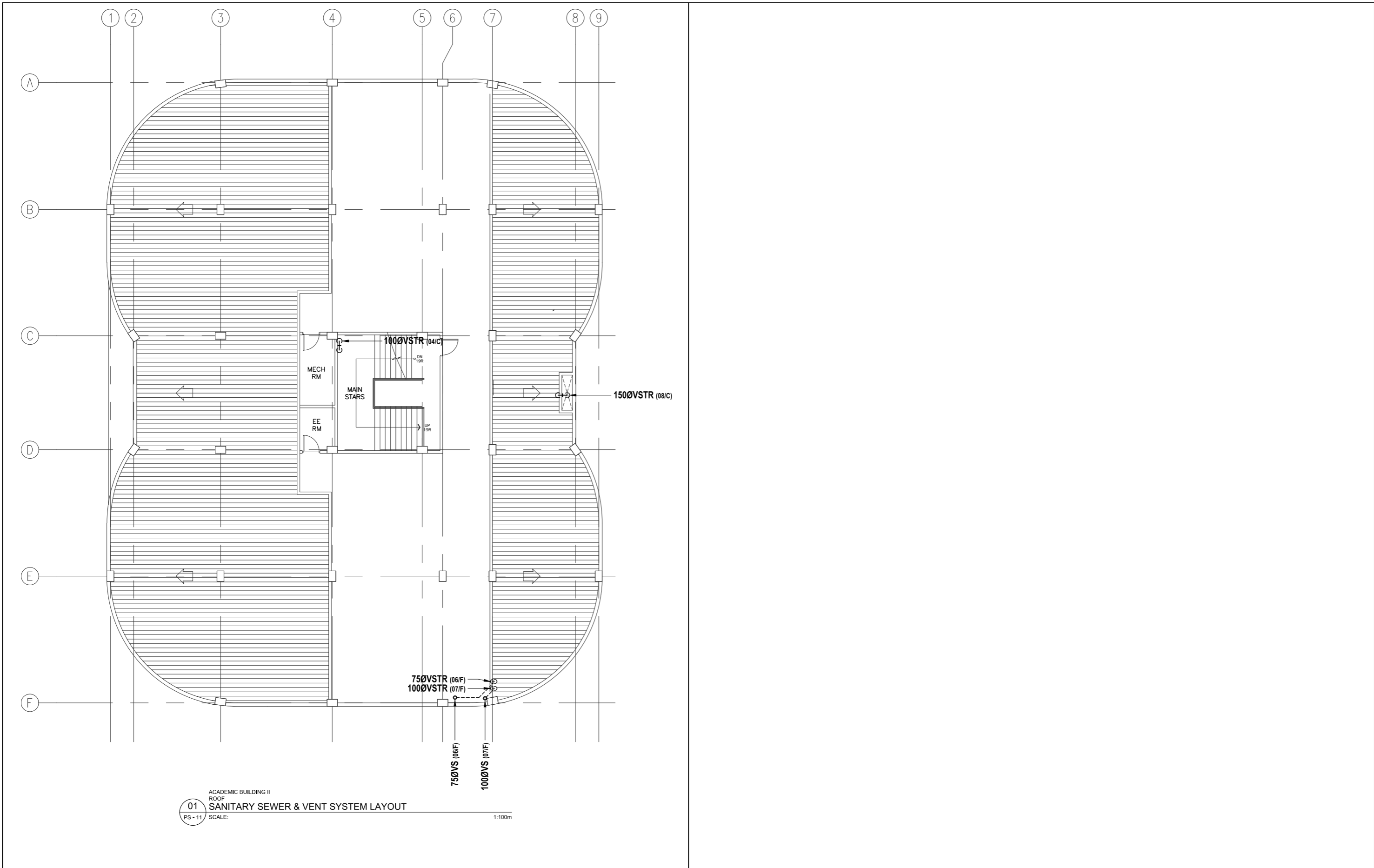
REPUBLIC OF THE PHILIPPINES
PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

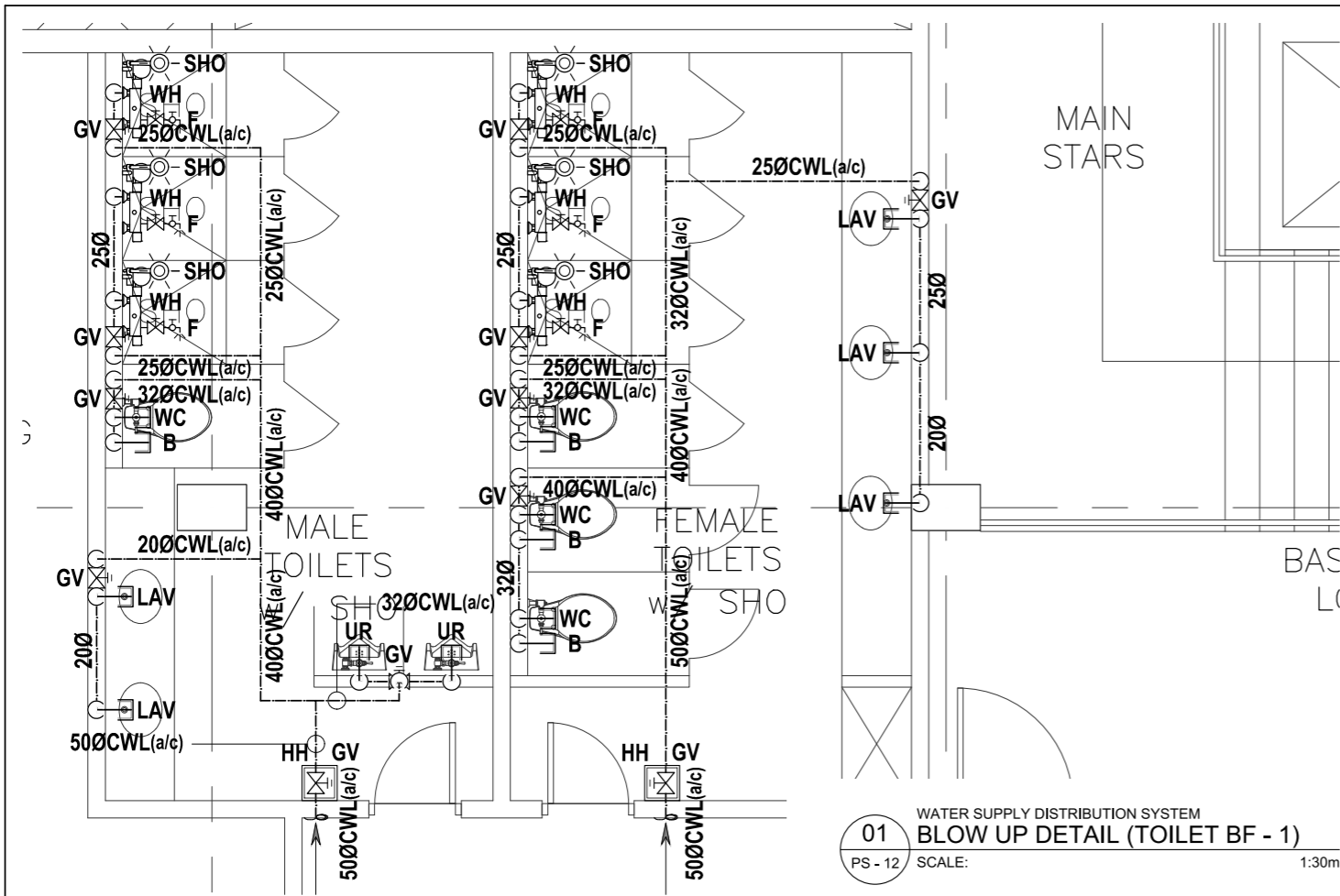
SHEET CONTENTS:
- SANITARY SEWER & VENT SYSTEM
- SECOND FLOOR
- THIRD FLOOR

SHEET NO:
PS
10 21

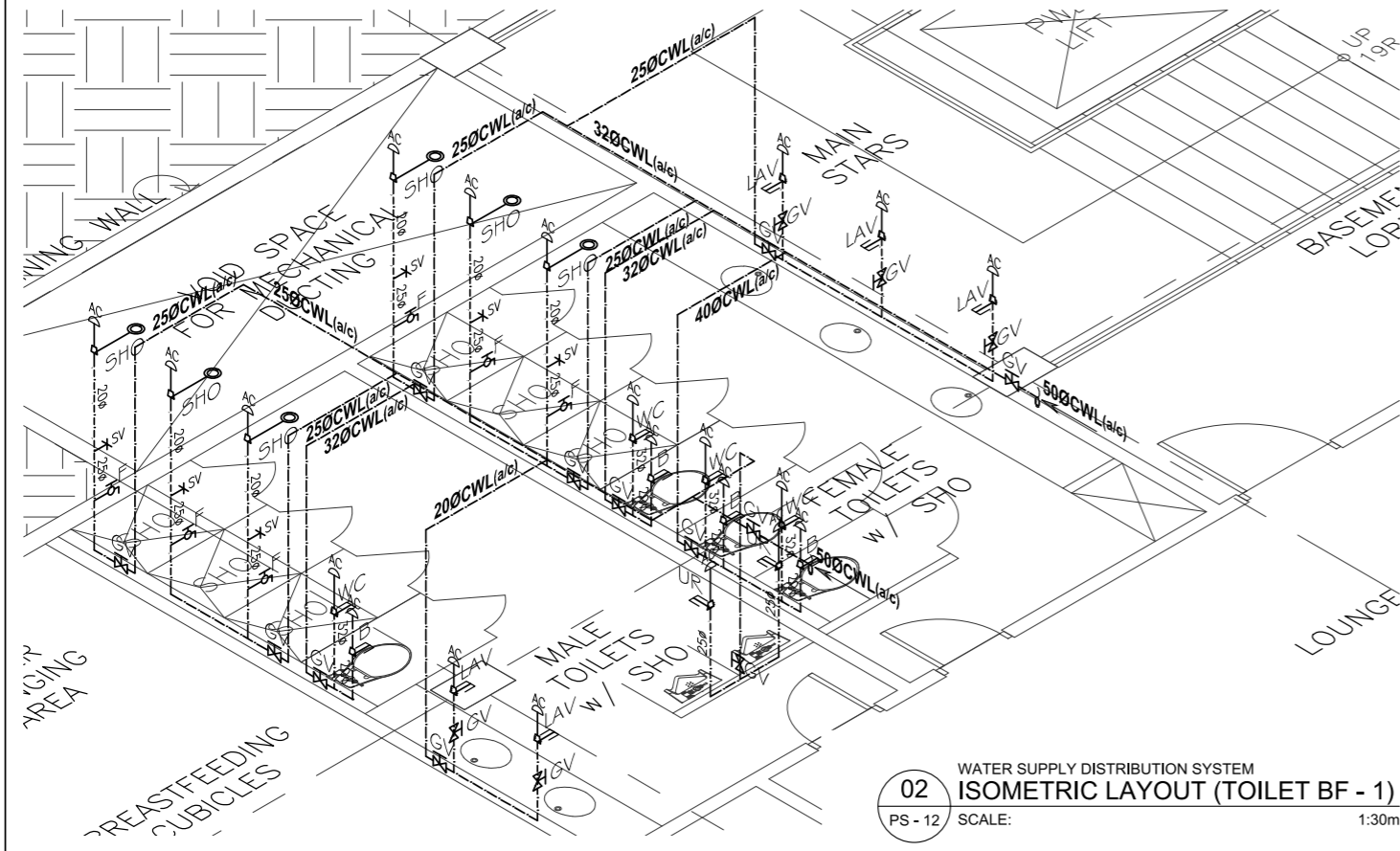


ACADEMIC BUILDING II
 ROOF
01 SANITARY SEWER & VENT SYSTEM LAYOUT
 PS - 11 SCALE: 1:100m

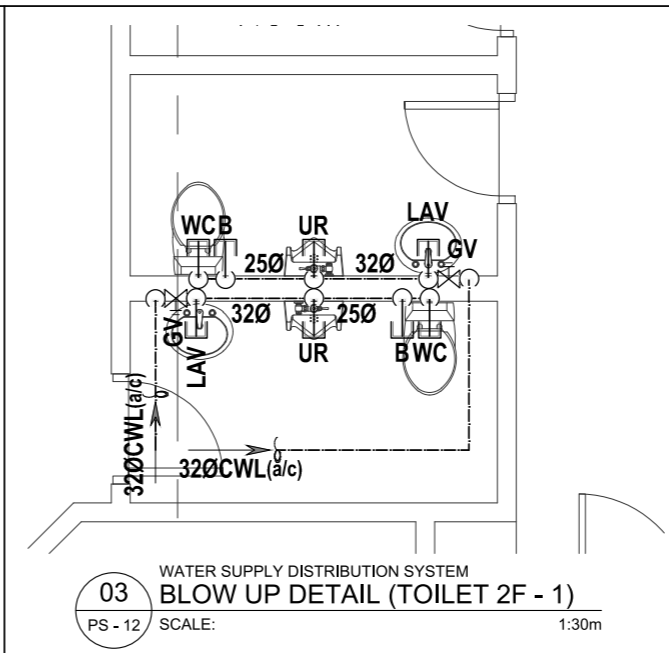
| | | | | | | | | |
|---|---|---|---|--|---|--|--|------------------------|
| <p>ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p> | <p>ENGINEER: VICTORIA ADEKER SANITARY ENGINEER</p> | <p>REPUBLIC 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: PROPOSED ACADEMIC BUILDING II</p> | <p>DESIGNED FOR: REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MMAROPA REGIONAL CAMPUS</p> | <p>RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF</p> | <p>APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR</p> | <p>SHEET CONTENTS: SANITARY SEWER & VENT SYSTEM - ROOF</p> | <p>SHEET NO: </p> |
| | <p>SUITE 305 XAVERVILLE SQUARE CONDOMINIUM NO. 38 XAVERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS.: 426 7009; 426 30244 FAX NOS.: 927 6608; 426 7214</p> | <p>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</p> | <p>LOCATION: Brgy. Rizal, Odiongan, Romblon</p> | | | | | |



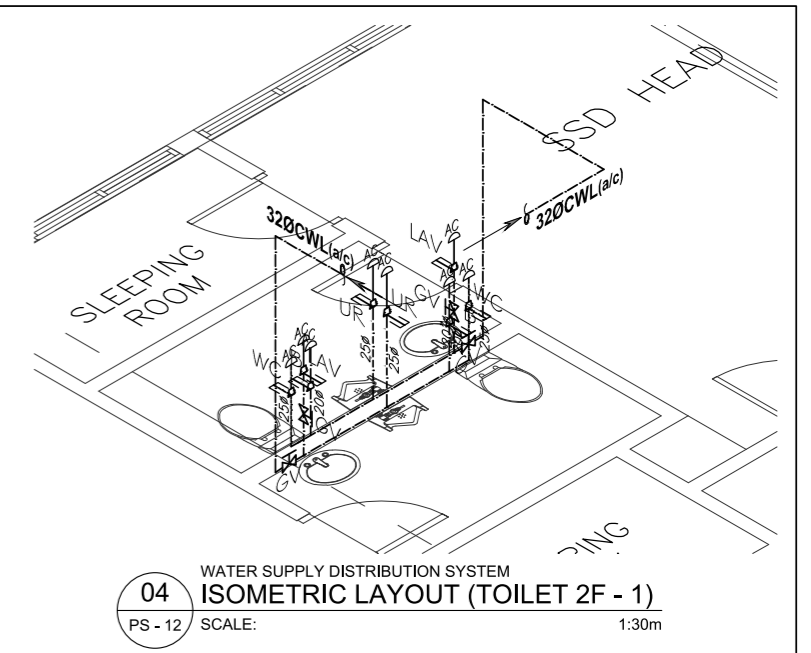
01 WATER SUPPLY DISTRIBUTION SYSTEM
BLOW UP DETAIL (TOILET BF - 1)
PS - 12 SCALE: 1:30m



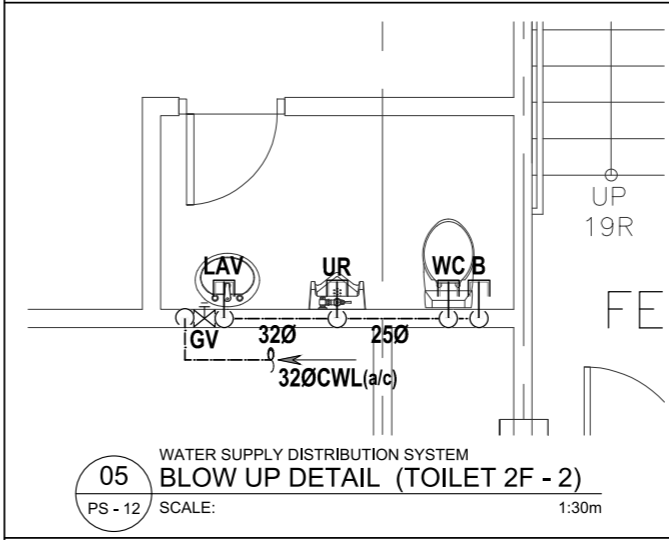
02 WATER SUPPLY DISTRIBUTION SYSTEM
ISOMETRIC LAYOUT (TOILET BF - 1)
PS - 12 SCALE: 1:30m



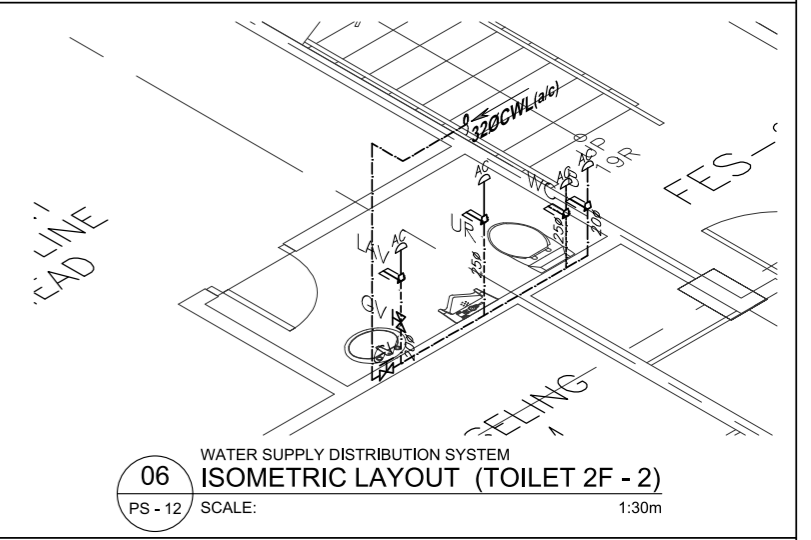
03 WATER SUPPLY DISTRIBUTION SYSTEM
BLOW UP DETAIL (TOILET 2F - 1)
PS - 12 SCALE: 1:30m



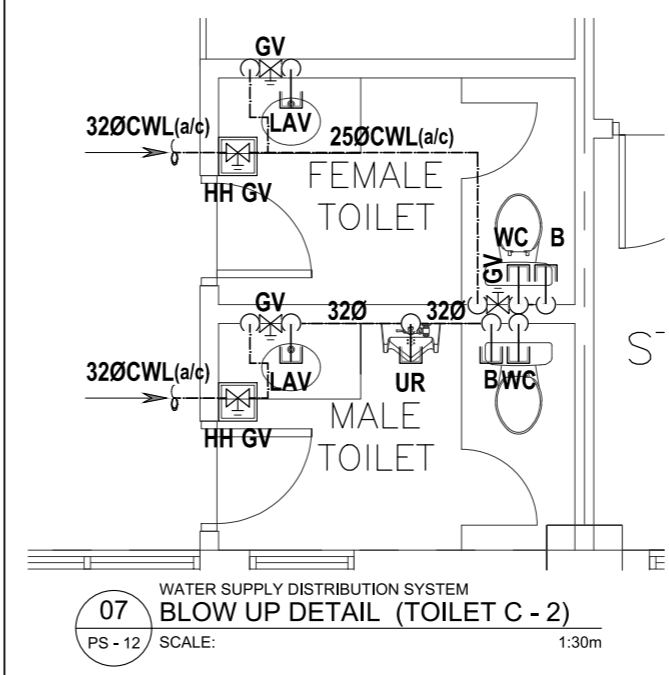
04 WATER SUPPLY DISTRIBUTION SYSTEM
ISOMETRIC LAYOUT (TOILET 2F - 1)
PS - 12 SCALE: 1:30m



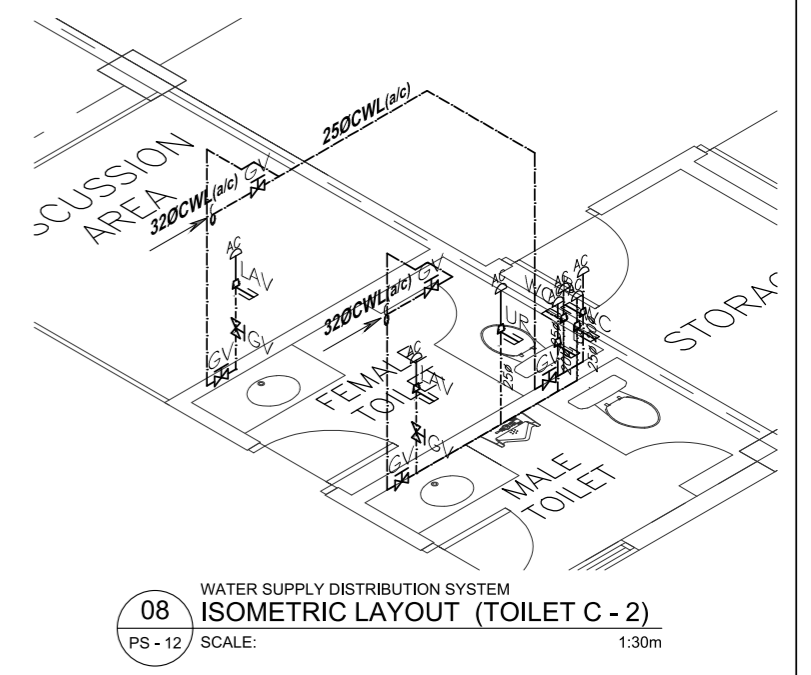
05 WATER SUPPLY DISTRIBUTION SYSTEM
BLOW UP DETAIL (TOILET 2F - 2)
PS - 12 SCALE: 1:30m



06 WATER SUPPLY DISTRIBUTION SYSTEM
ISOMETRIC LAYOUT (TOILET 2F - 2)
PS - 12 SCALE: 1:30m

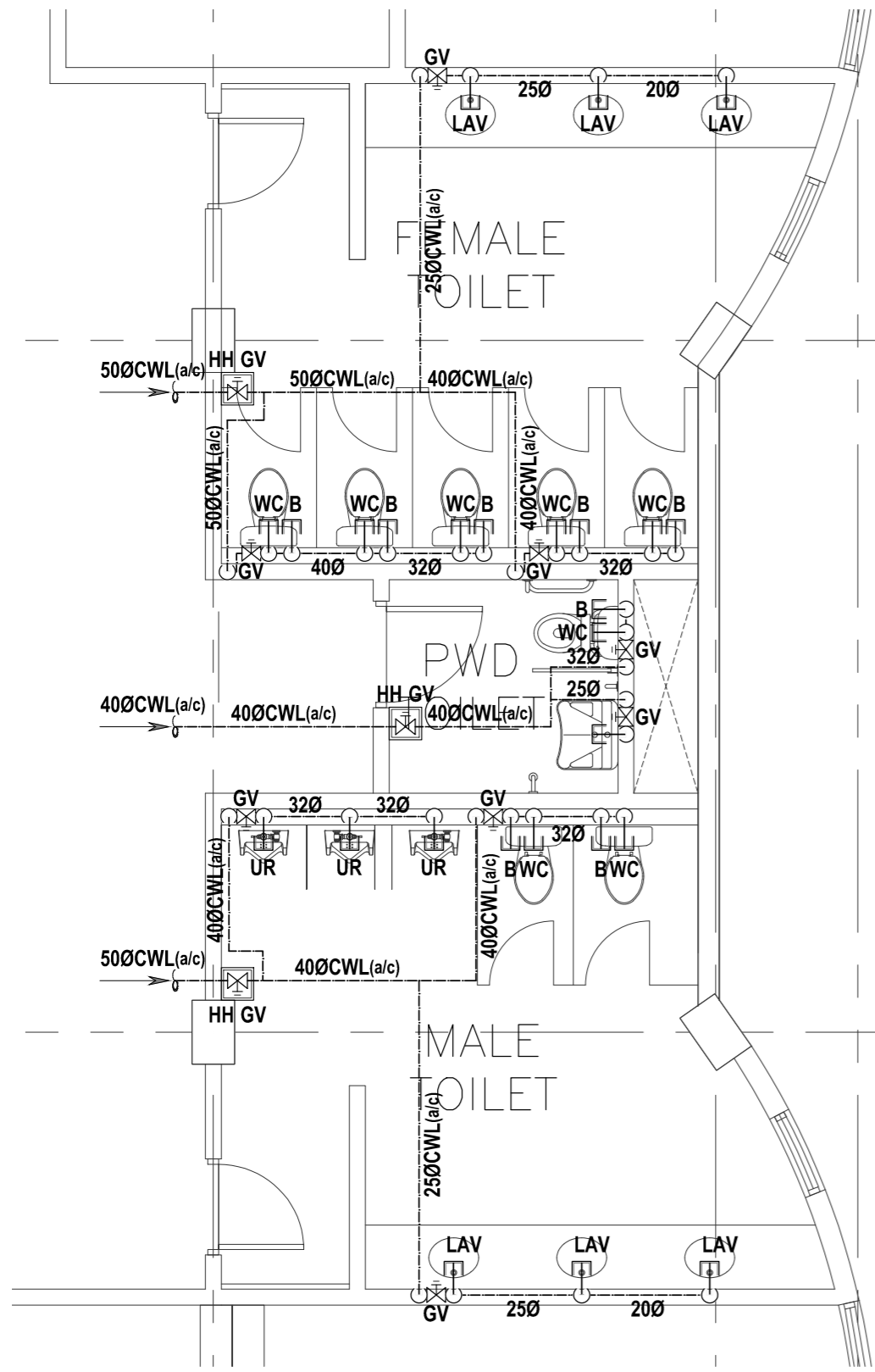


07 WATER SUPPLY DISTRIBUTION SYSTEM
BLOW UP DETAIL (TOILET C - 2)
PS - 12 SCALE: 1:30m

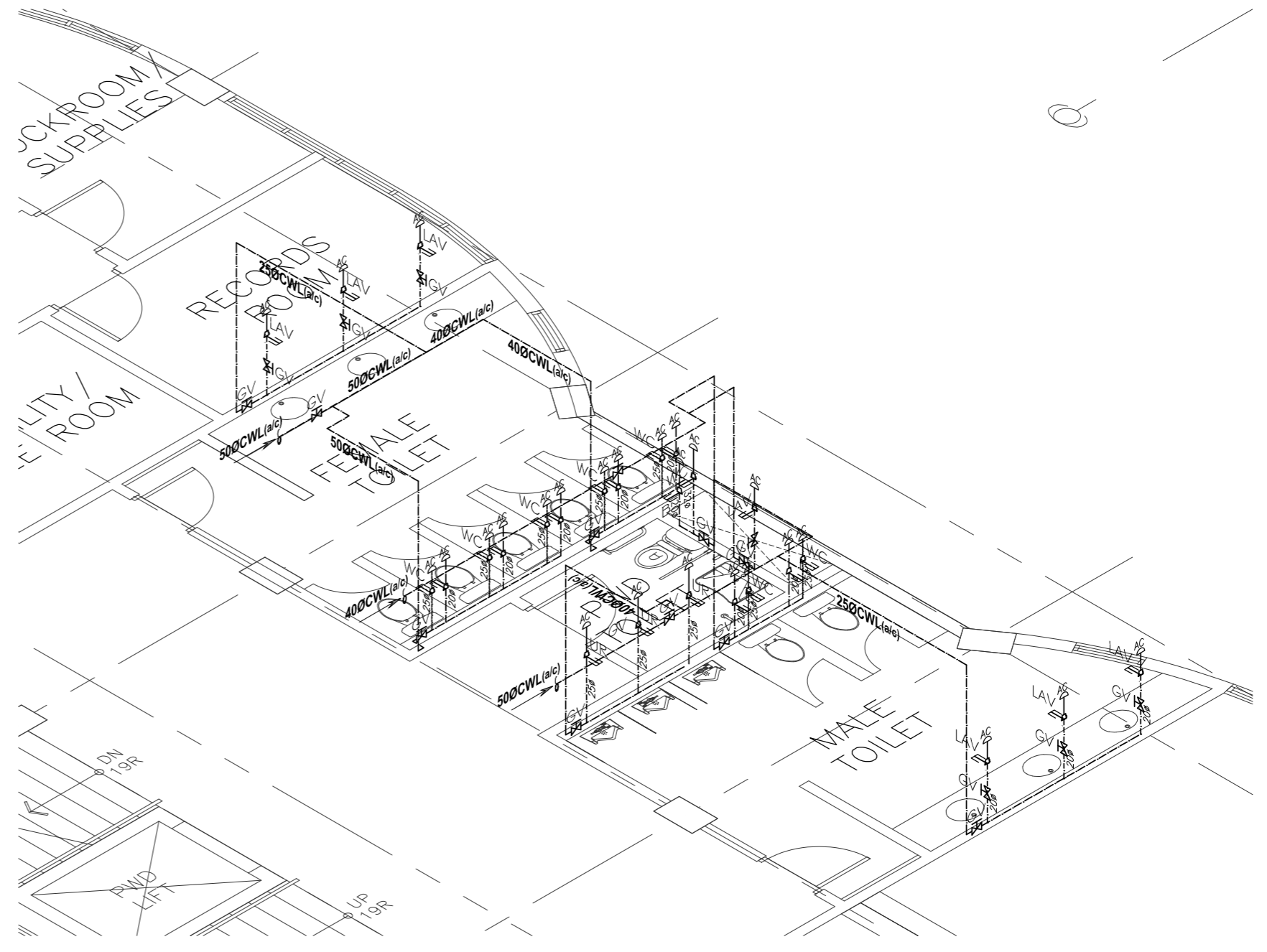


08 WATER SUPPLY DISTRIBUTION SYSTEM
ISOMETRIC LAYOUT (TOILET C - 2)
PS - 12 SCALE: 1:30m

| | | | | | | | | |
|---|---|--|--|--|--|--|--|---|
| <p>ENRIQUE O. OLANON & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS</p> <p>IN JOINT VENTURE WITH</p> <p>ENRIQUE O. OLANON & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p> | <p>ENGINEER:</p> <p>VICTORIA ADEKER SANITARY 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>PROPOSED ACADEMIC BUILDING II</p> | <p>DESIGNED FOR:</p> <p><small>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</small></p> | <p>RECOMMENDING APPROVAL:</p> <p>MERIAM F. FALLAR FAD CHIEF</p> | <p>APPROVED BY:</p> <p>EDWARD C. ALBARACIN CAMPUS DIRECTOR</p> | <p>SHEET CONTENTS:</p> <p>BLOW UP DETAIL & ISOMETRIC LAYOUT - WATER SUPPLY DISTRIBUTION SYSTEM</p> | <p>SHEET NO:</p> <p>PS 12 21</p> |
| | <p>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS.: 426 7009; 426 30244 FAX NOS.: 927 0608; 426 7214</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, 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>MERIAM F. FALLAR FAD CHIEF</p> | <p>APPROVED BY:</p> <p>EDWARD C. ALBARACIN CAMPUS DIRECTOR</p> | <p>SHEET CONTENTS:</p> <p>BLOW UP DETAIL & ISOMETRIC LAYOUT - WATER SUPPLY DISTRIBUTION SYSTEM</p> | <p>SHEET NO:</p> <p>PS 12 21</p> | |

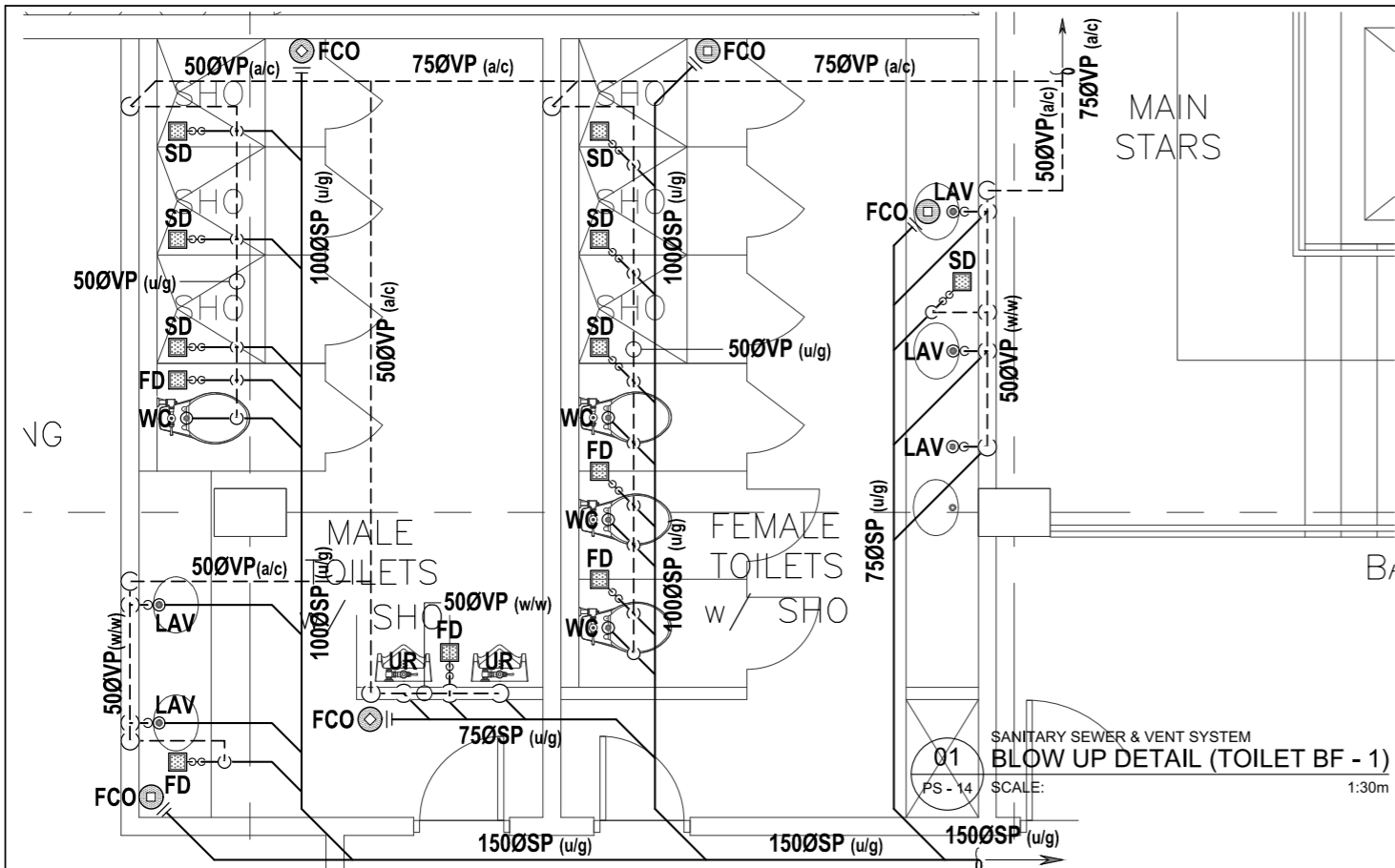


01 WATER SUPPLY DISTRIBUTION SYSTEM
 BLOW UP DETAIL (TOILET C - 1)
 PS - 13 SCALE: 1:30m

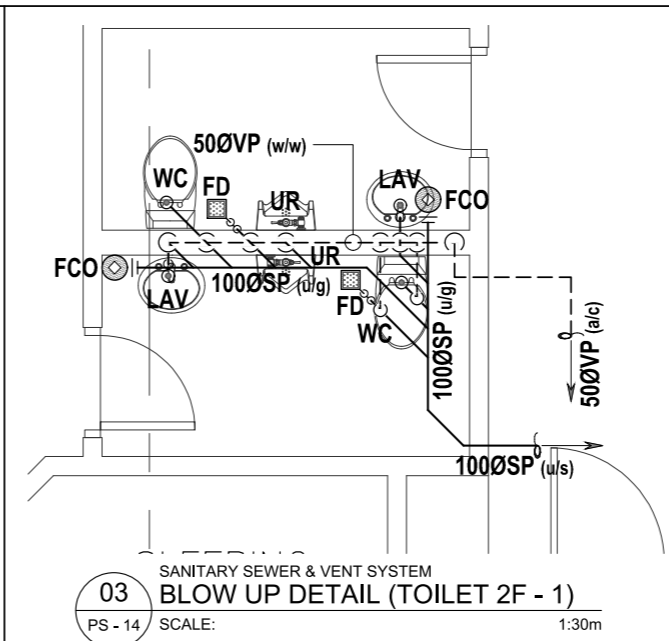


02 WATER SUPPLY DISTRIBUTION SYSTEM
 ISOMETRIC LAYOUT (TOILET C - 1)
 PS - 13 SCALE: 1:30m

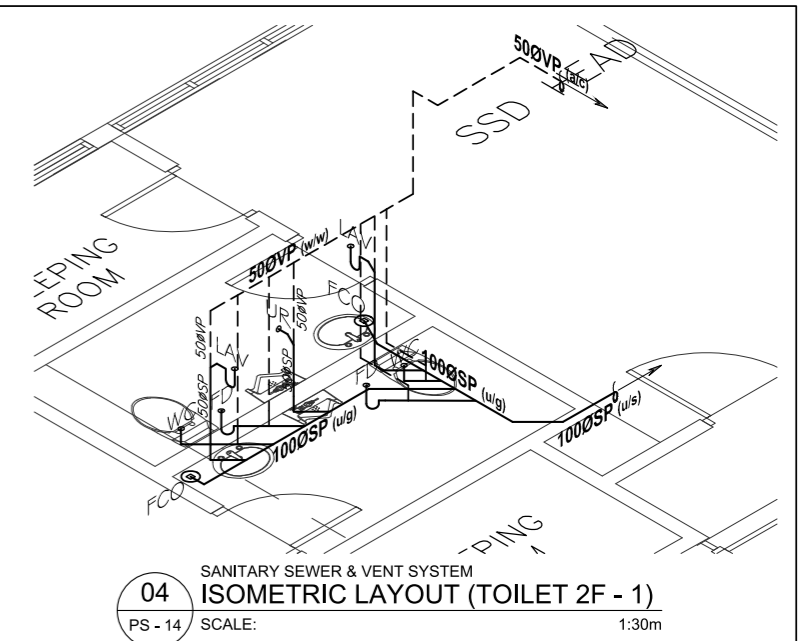
| | | | | | | | | |
|--|---|---|---|--|--|---|--|---|
| ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS | ENGINEER: VICTORIA ADEKER SANITARY ENGINEER | REPUBLIC ACT 9266 <small>DRAWINGS AND SPECIFICATIONS 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: 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: 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; text-align: center;"> <div style="font-size: 24px; font-weight: bold; margin-bottom: 5px;">PS</div> <div style="font-size: 18px; font-weight: bold;">13 21</div> </div> |
| | <small>SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS.: 426 7009; 426 30244 FAX NOS.: 922 6608; 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> | | | | | |



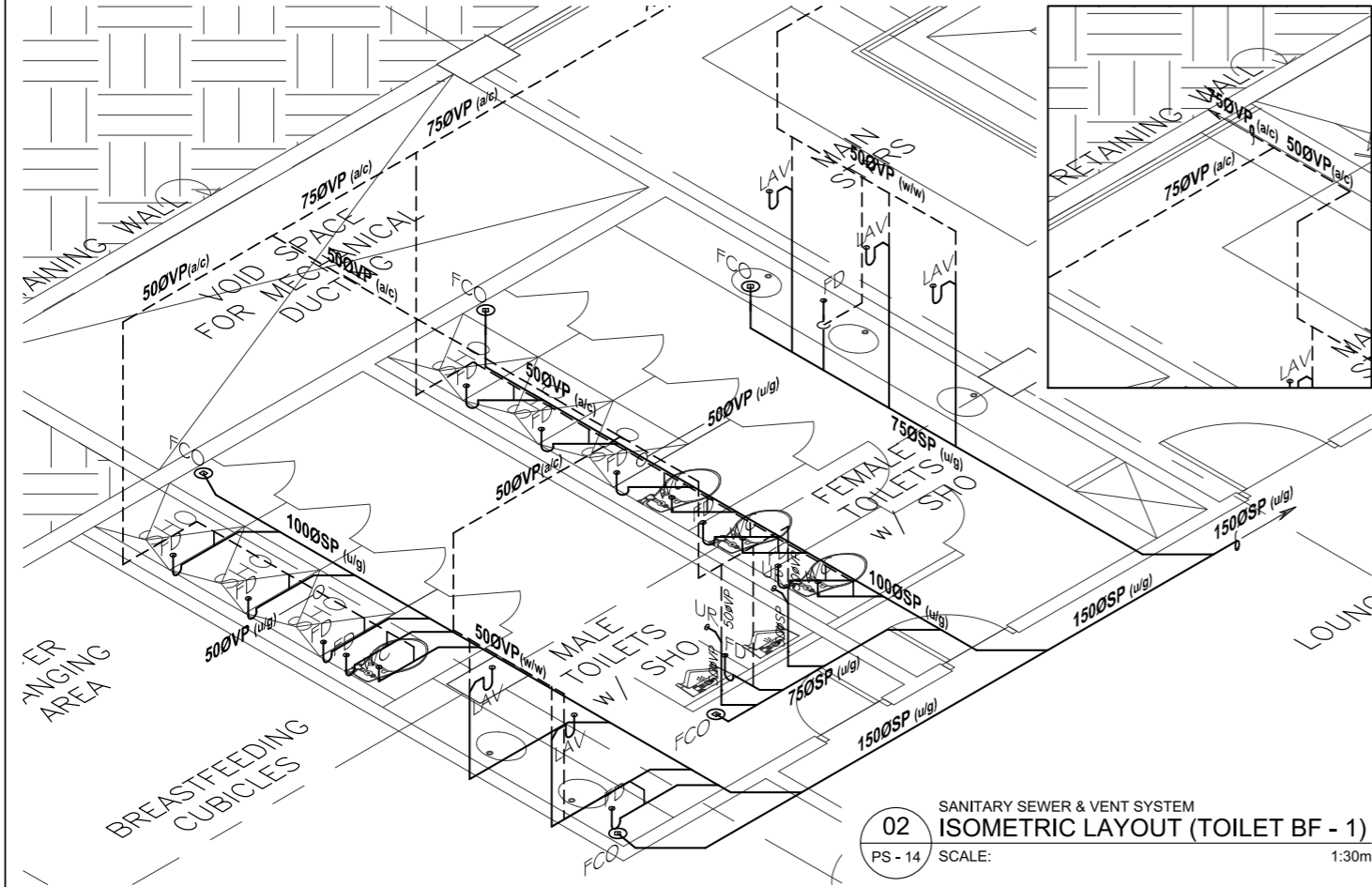
01 SANITARY SEWER & VENT SYSTEM
BLOW UP DETAIL (TOILET BF - 1)
PS - 14 SCALE: 1:30m



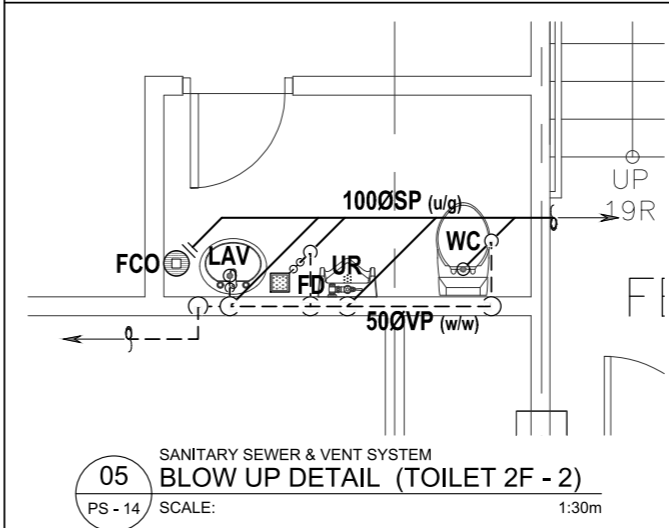
03 SANITARY SEWER & VENT SYSTEM
BLOW UP DETAIL (TOILET 2F - 1)
PS - 14 SCALE: 1:30m



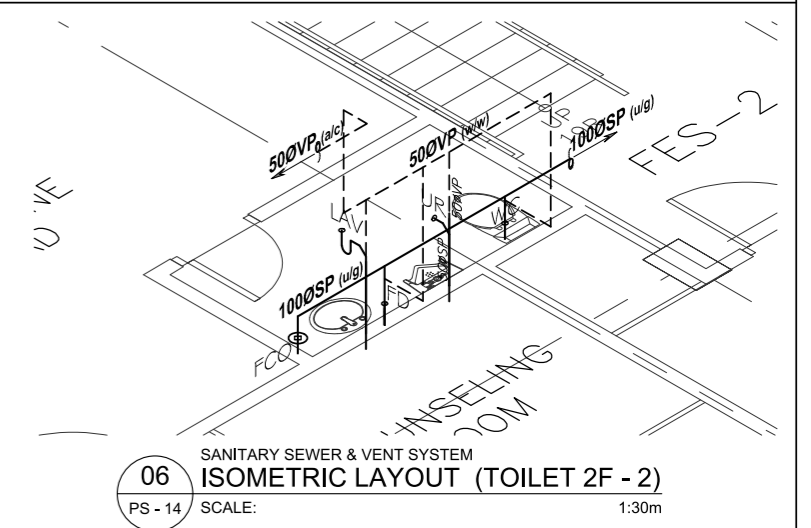
04 SANITARY SEWER & VENT SYSTEM
ISOMETRIC LAYOUT (TOILET 2F - 1)
PS - 14 SCALE: 1:30m



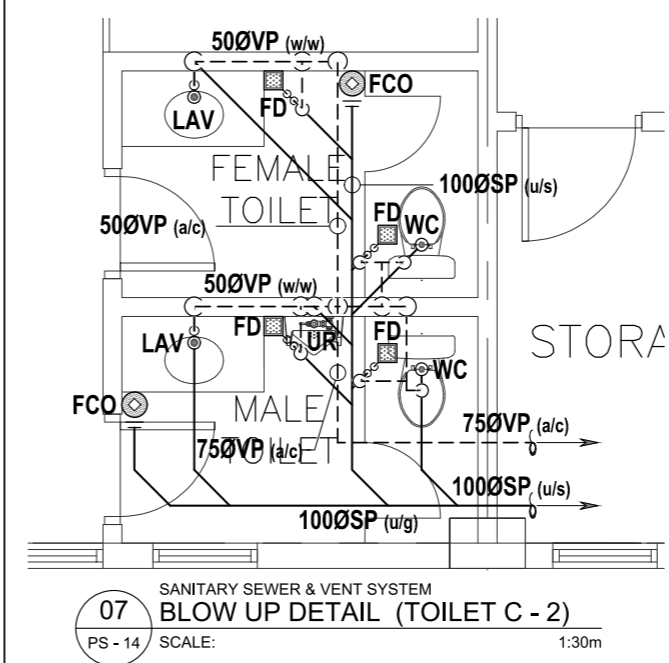
02 SANITARY SEWER & VENT SYSTEM
ISOMETRIC LAYOUT (TOILET BF - 1)
PS - 14 SCALE: 1:30m



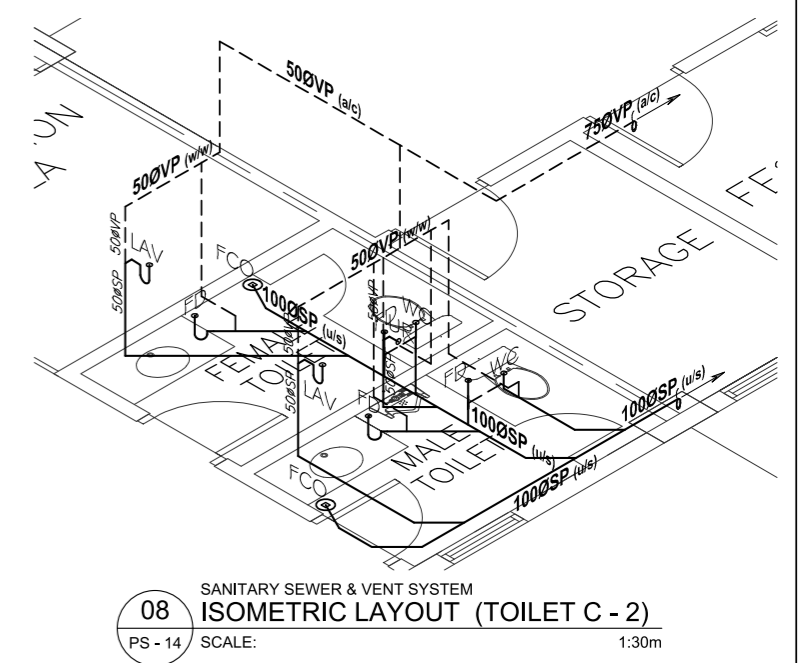
05 SANITARY SEWER & VENT SYSTEM
BLOW UP DETAIL (TOILET 2F - 2)
PS - 14 SCALE: 1:30m



06 SANITARY SEWER & VENT SYSTEM
ISOMETRIC LAYOUT (TOILET 2F - 2)
PS - 14 SCALE: 1:30m



07 SANITARY SEWER & VENT SYSTEM
BLOW UP DETAIL (TOILET C - 2)
PS - 14 SCALE: 1:30m



08 SANITARY SEWER & VENT SYSTEM
ISOMETRIC LAYOUT (TOILET C - 2)
PS - 14 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: | | 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. | | | |
| PRC No. : - | PTR No. : - | PRC No. : - | PTR No. : - |
| PRC Validity : - | PTR Date : - | PRC No. : - | PTR No. : - |
| TIN No. : - | PTR Place : - | PRC No. : - | PTR No. : - |

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:

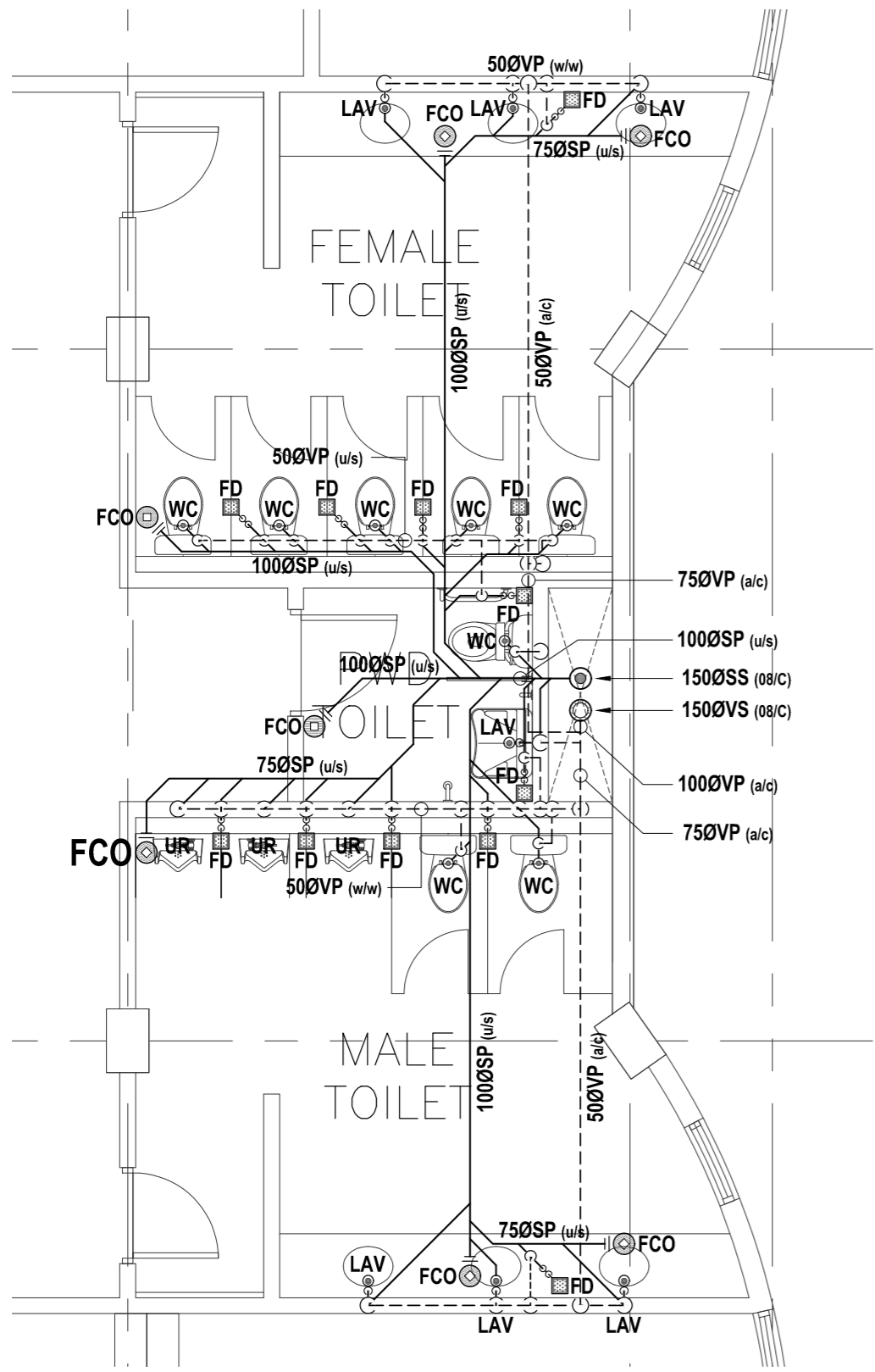
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:

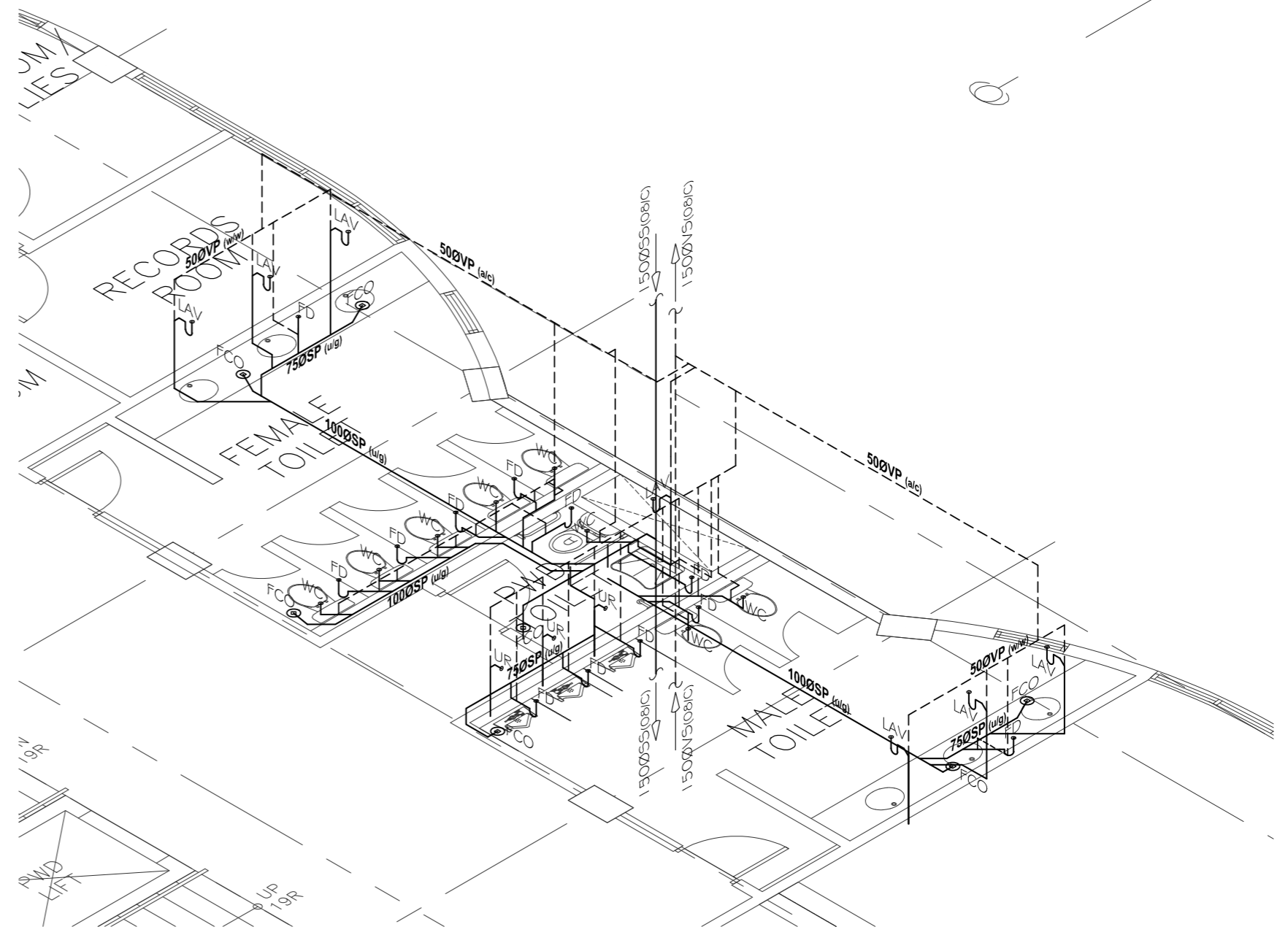
BLOW UP DETAIL & ISOMETRIC LAYOUT
- SANITARY SEWER & VENT SYSTEM

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. : - | PTR No. : - |
| PRC Validity : - | PTR Date : - |
| TIN No. : - | PTR Place : - |

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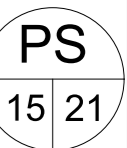
PROJECT:
PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM
 LOCATION: Brgy. Rizal, Odiongan, Romblon

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

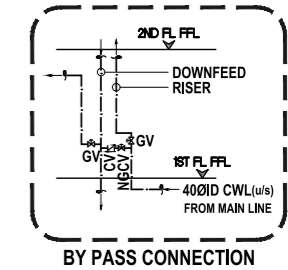
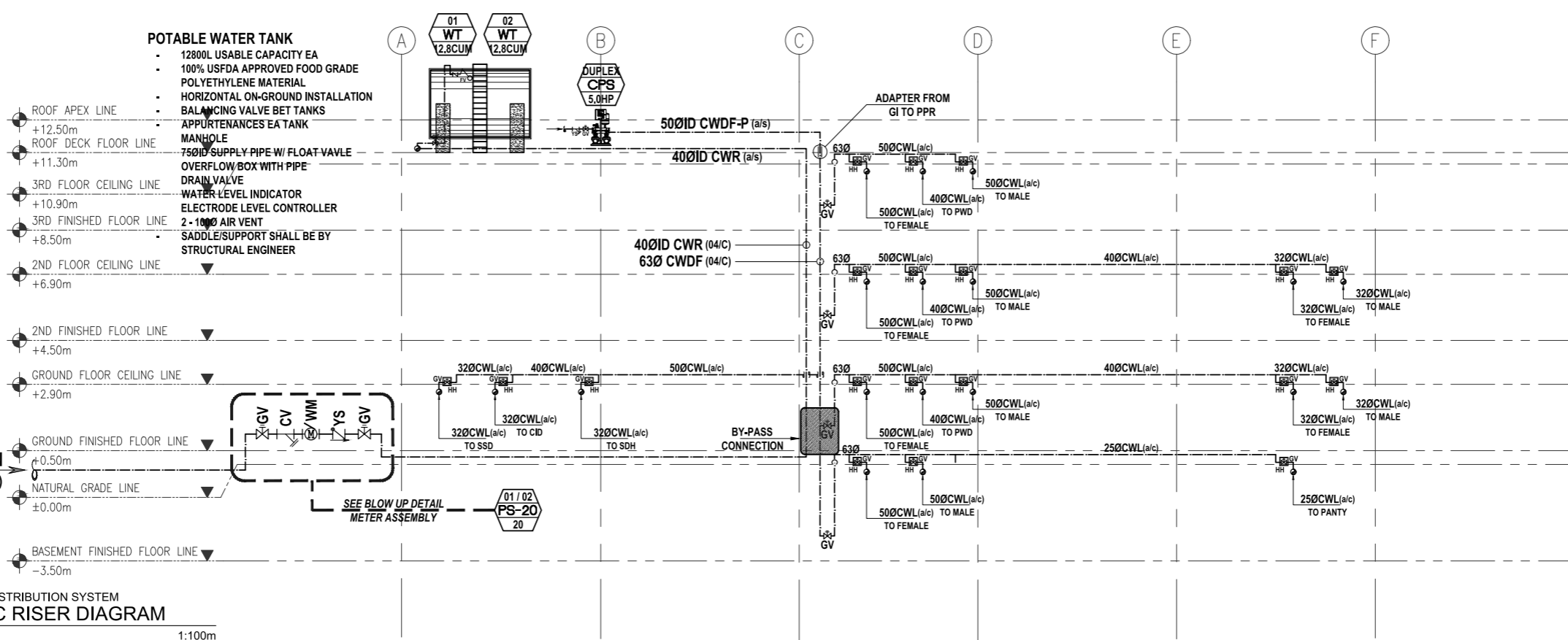
SHEET NO:


- 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.

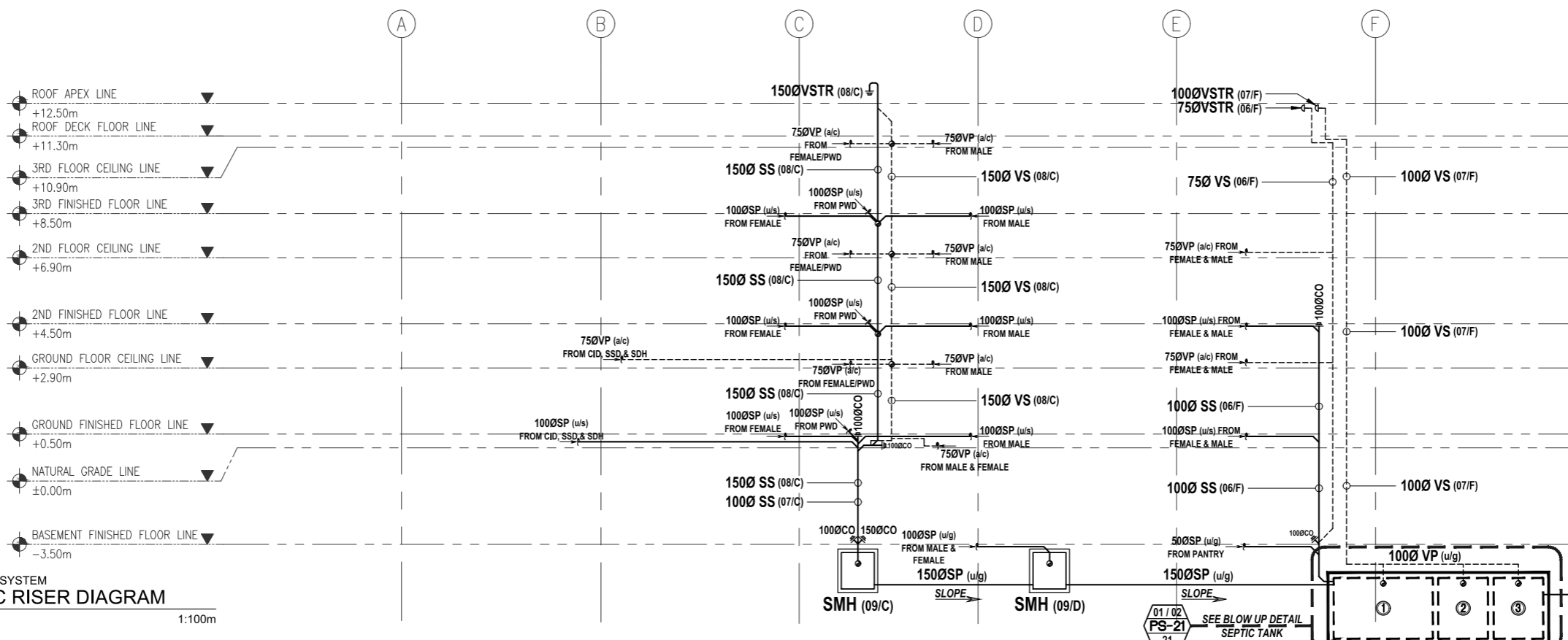
- CONSTANT PRESSURE SYSTEM**
- DUPLEX SETTING
 - VERTICAL IN-LINE TYPE
 - VARIABLE FREQUENCY DRIVE SYSTEM
 - COMPACT TYPE
 - 60GPM VS 90FT TDH (5.0HP) EA PUMP
 - 120GPM TOTAL FLOW REQUIREMENT
 - COMPLETE WITH NECESSARY ACCESSORIES & APPURTENANCES
 - ACTUAL LOCATION OF PUMP IS SUBJECT TO ARCHITECT PREFERENCE
 - 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
 - 750ID SUPPLY PIPE W/ FLOAT VALVE
 - 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_d)
 - CHAMBER 2 (2510GALS)
3300(w)x1650(l)x1750(WW_d)
 - CHAMBER 3 (2440GALS)
3300(w)x1650(l)x1750(WW_d)
 - COMPLETE EA CHAMBER W/ AIRTIGHT MANHOLE
 - STAINLESS LADDER RUNG
 - 100Ø VENT PIPE TO 100Ø COLLECTOR PIPE

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 TTD-04
FAX NOS.: 927 0608; 426 7214

| | |
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| ENGINEER: | |
| SANITARY ENGINEER | |
| PRC No. : - | PTR No. : - |
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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

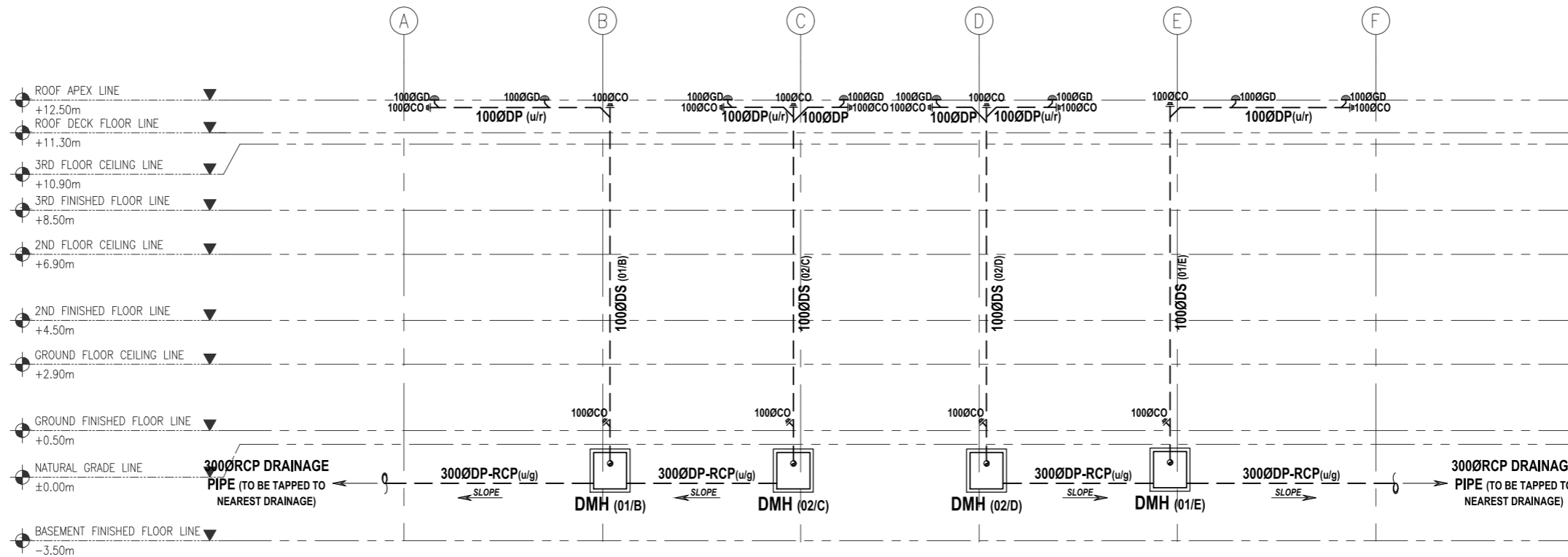
APPROVED BY:

EDWARD C. ALBARACIN
CAMPUS DIRECTOR

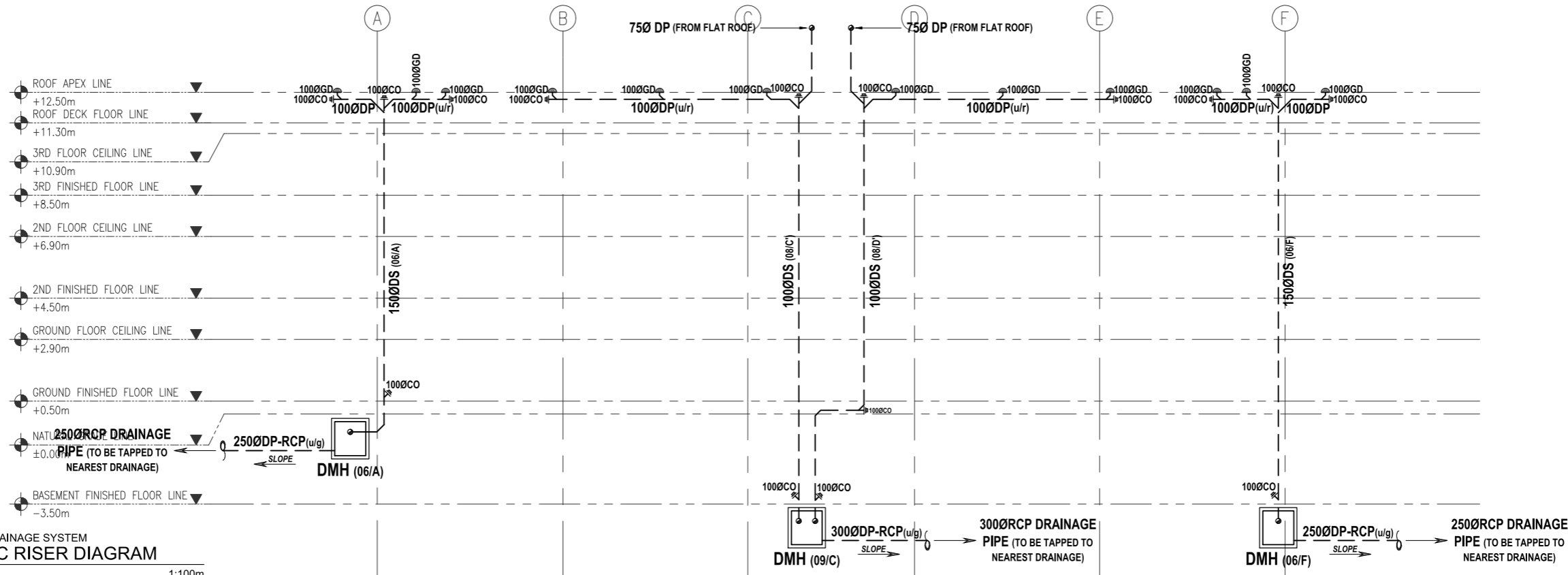
SHEET CONTENTS:

- 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
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 MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiongan, Romblon

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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 |

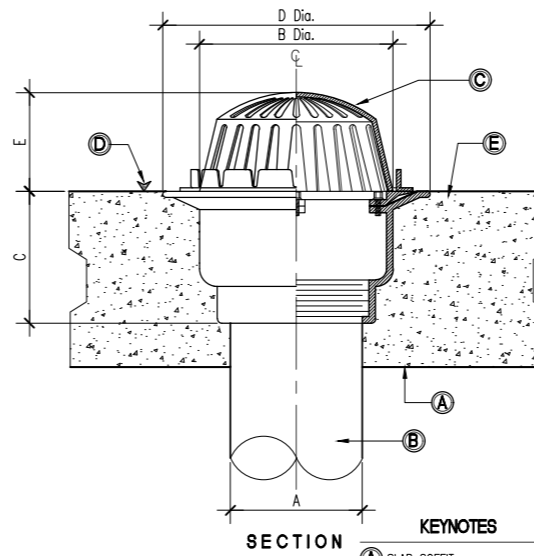
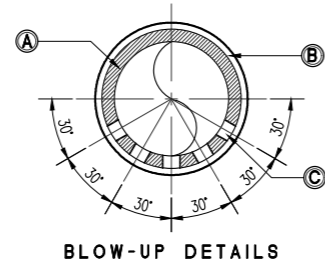
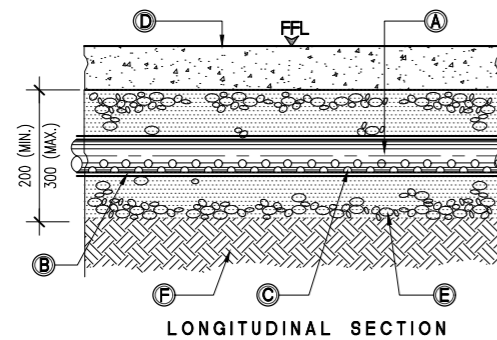
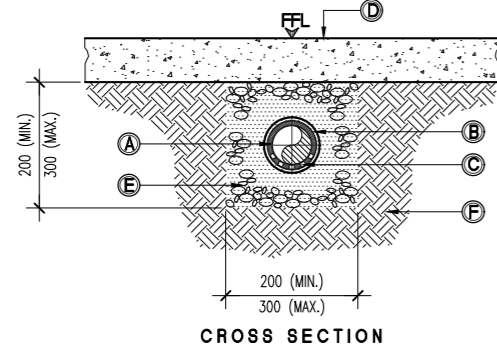
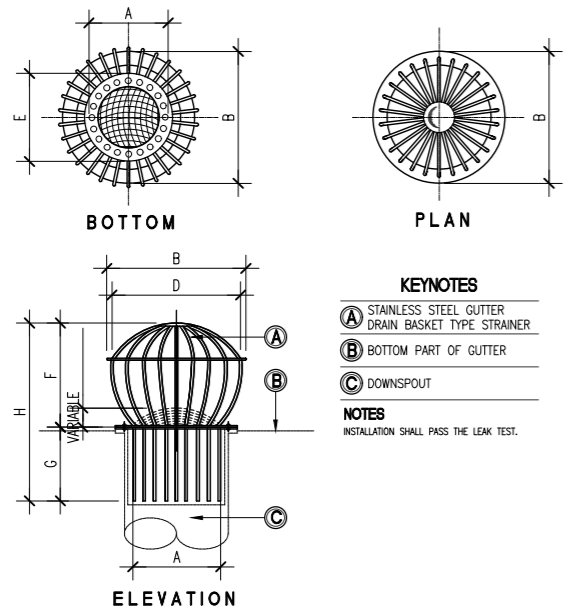
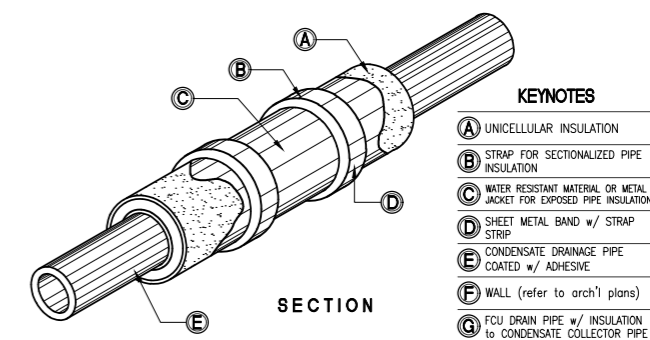
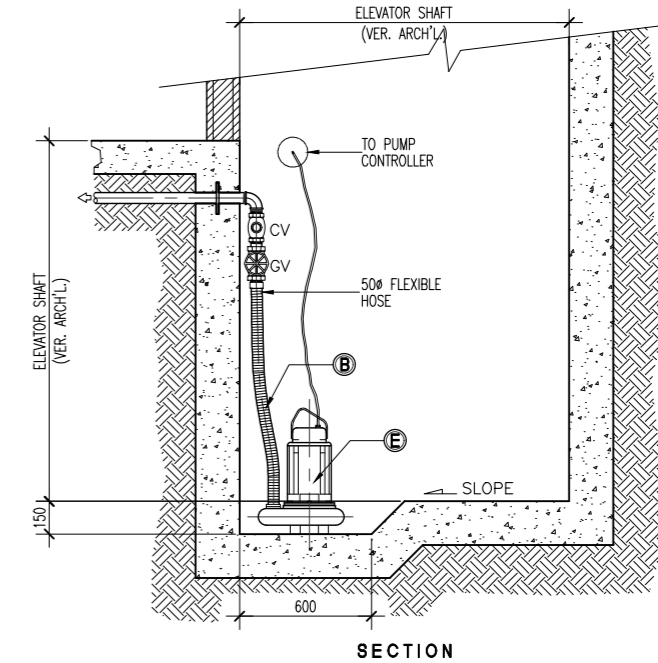
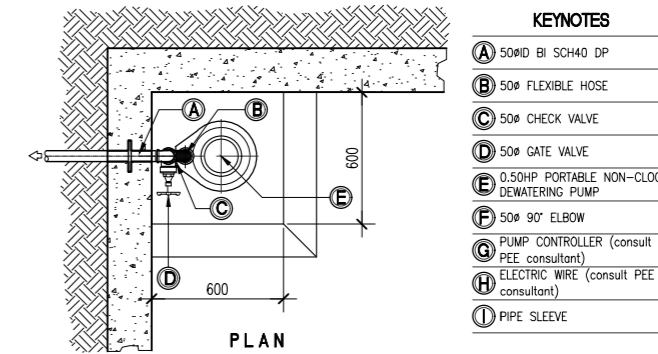
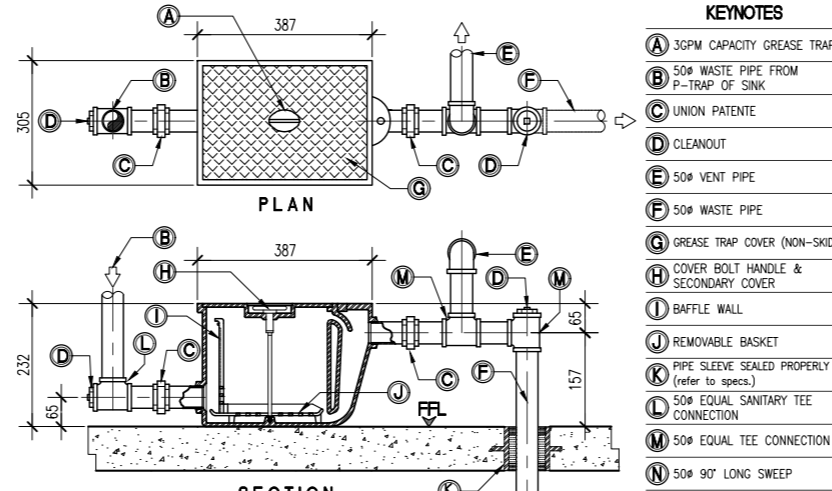
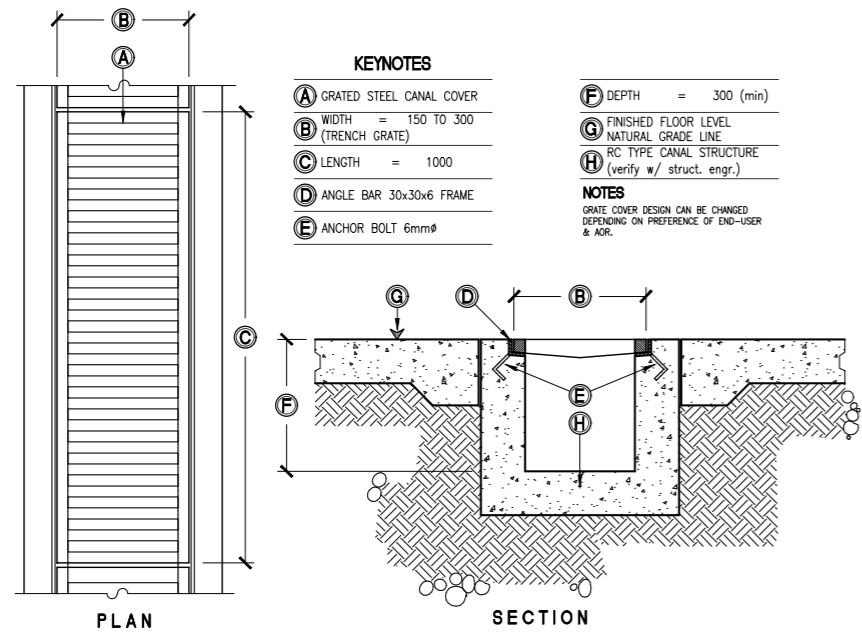


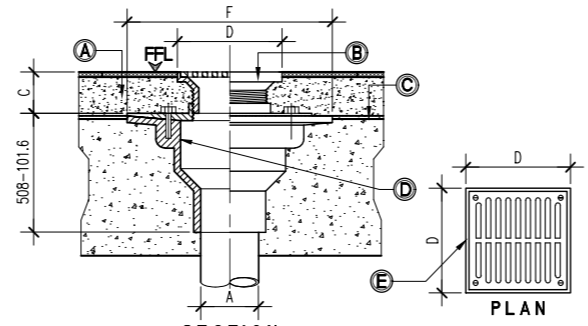
TABLE OF DIMENSIONS

| 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 |





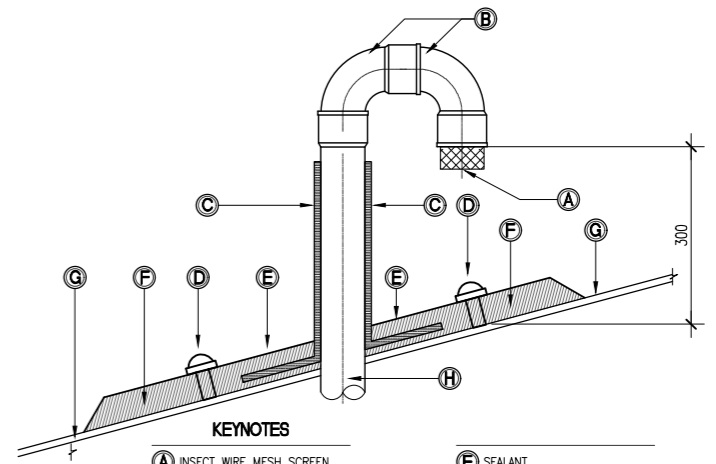
01 GRATED CANAL T-2 (NON-TRAFFIC RATED) TRENCH DRAINAGE CANAL DETAIL
 PS-19 SCALE 1:20MTS



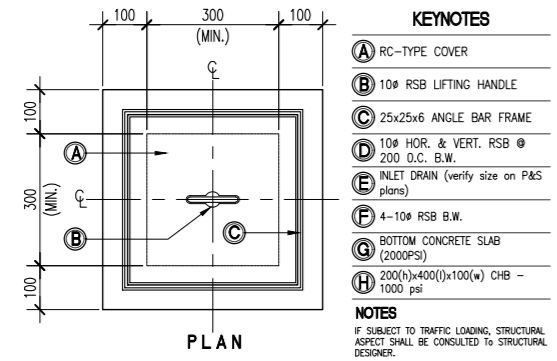
SCHEDULE OF DIMENSIONS

| 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 |

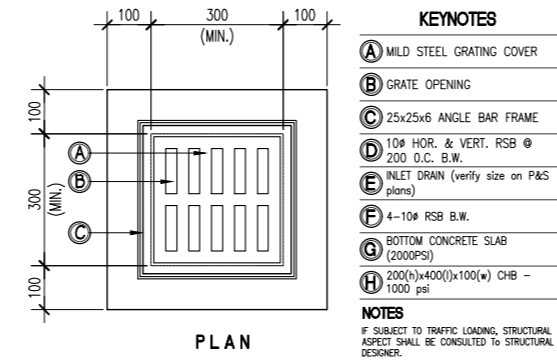
02 FLOOR CONNECTION FLOOR DRAIN DETAIL
 PS-19 SCALE NTS



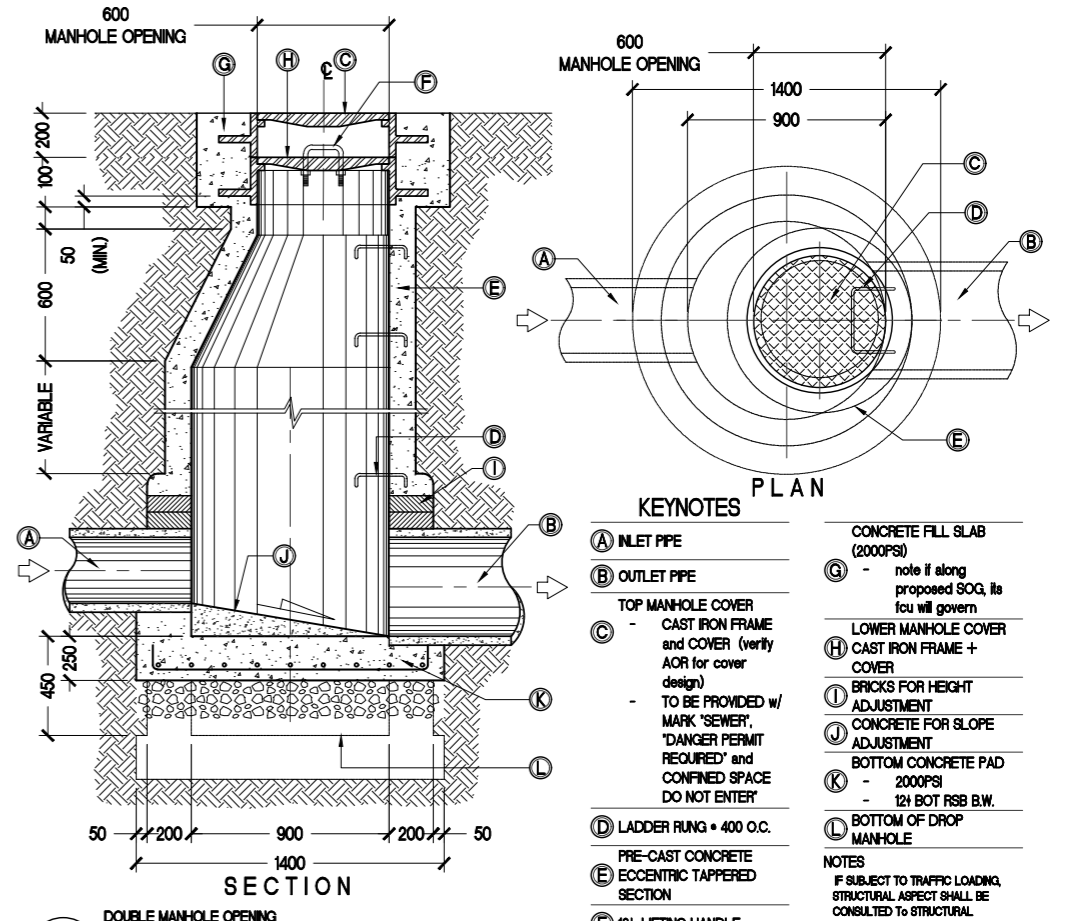
03 VENT STACK THRU DECK DETAIL
 PS-19 SCALE NTS



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
 AVE., LOYOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS.: 426 7009;
 426 3024-44
 FAX NOS.: 927 6608;
 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

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PROJECT:
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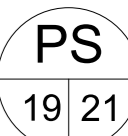
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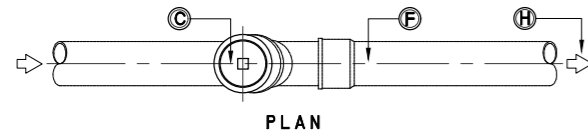
RECOMMENDING APPROVAL:
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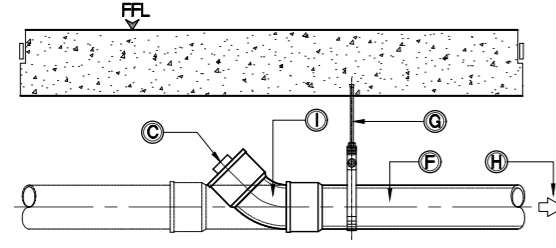
LOCATION: Brgy. Rizal, Odiongan, Romblon

SHEET CONTENTS:
 MISCELLANEOUS DETAILS

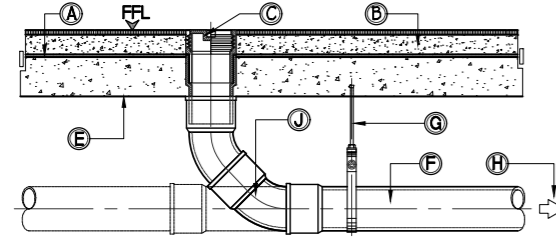
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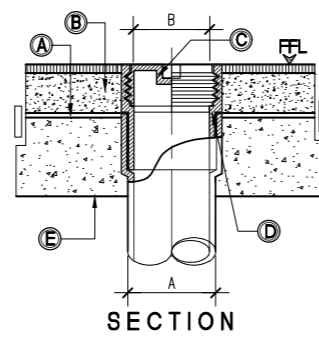
PLAN



ELEVATION



SECTION

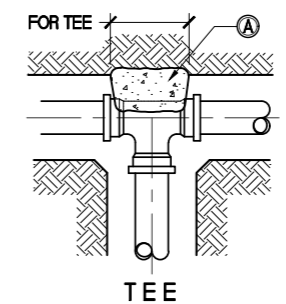


SECTION

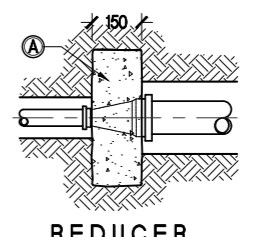
| PIPE SIZE 'A' | SIZE (MM) 'B' |
|------------------|------------------|
| 50 | 63 |
| 75 | 90 |
| 100 | 110 |

- 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
45° ELBOW FOR DEAD END
 - (J) SANITARY WYE + 45° ELBOW FOR RUN
2-UNITS OF 45° ELBOW FOR DEAD END

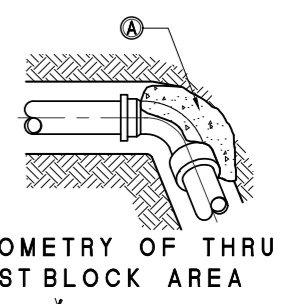
01 FLOOR/CEILING/TO GRADE CLEANOUT DETAIL
PS - 20 SCALE NTS



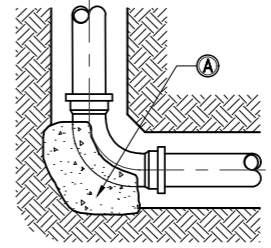
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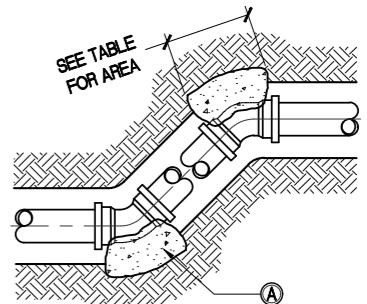
REDUCER



ISOMETRY OF THRU ST BLOCK AREA



90° ELBOW OR BEND



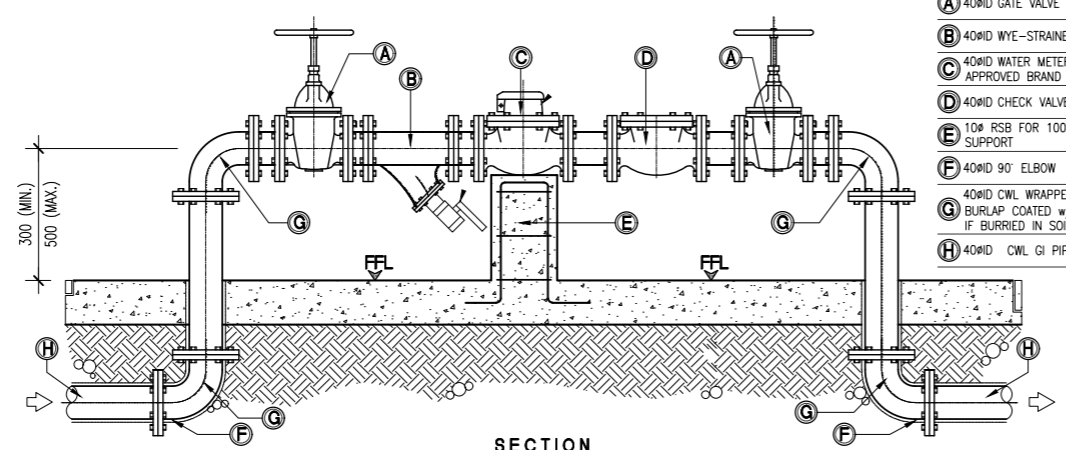
OFFSET and BENDS

TABLE OF MINIMUM THRUST BLOCK BEARING AREAS IN SQUARE METERS FOR PIPE SIZES 75φ mm TO 600φ 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 PRESSURE OF 88kPa (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 18MPa (2600psi)
 - CONCRETE COMPRESSIVE STRENGTH FOR ANCHOR BLOCK SHALL BE 18MPa (2600psi)
 - 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) 40#ID GATE VALVE OS&Y
 - (B) 40#ID WYE-STRAINER
 - (C) 40#ID WATER METER - MWSS APPROVED BRAND
 - (D) 40#ID CHECK VALVE
 - (E) 10# RSB FOR 100x100 RC SUPPORT
 - (F) 40#ID 90° ELBOW
 - (G) 40#ID CWL WRAPPED w/ BURLAP COATED w/ COALTAR IF BURIED IN SOIL
 - (H) 40#ID CWL GI PIPE

02 MAIN WATER METER DETAIL
PS - 20 SCALE NTS

ENRIQUE O. OLONAN & ASSOCIATES
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305
XAVIERVILLE SQUARE
CONDOMINIUM
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AVE. LOYOLA HEIGHTS,
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TEL. NOS: 426 7009;
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IN JOINT VENTURE WITH
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ARCHITECTS ENGINEERS CONSULTANTS

ENGINEER:
VICTORIA ADEDECER
SANITARY ENGINEER

PRC No.: 0001927 PTR No.: 4580635
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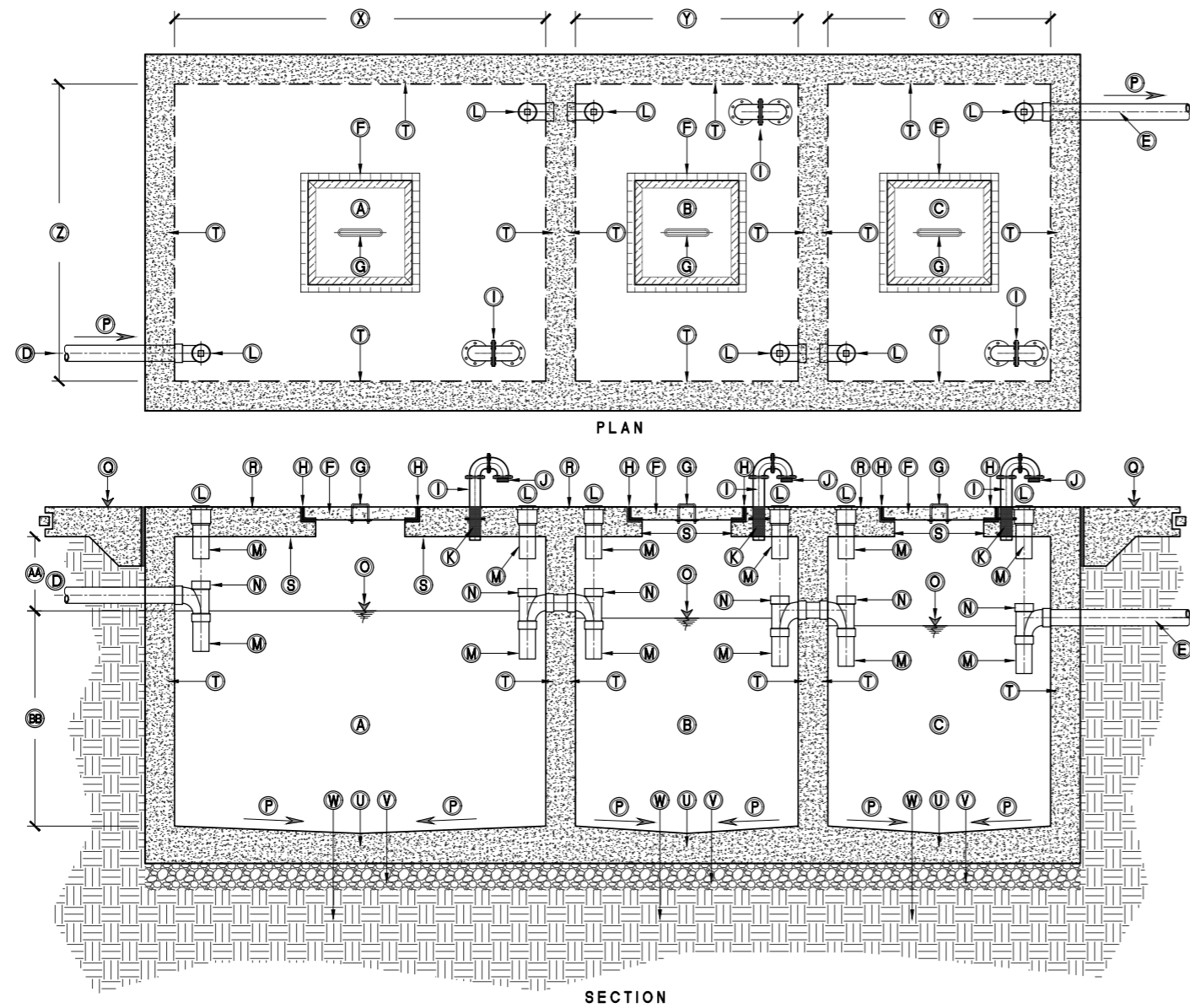
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FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

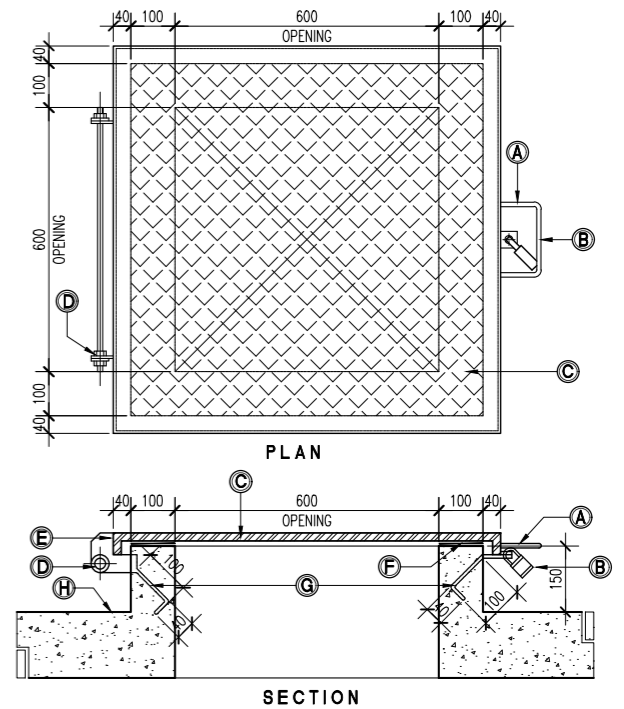
LOCATION: Brgy. Rizal, Odiongan, Romblon

SHEET CONTENTS:
MISCELLANEOUS DETAILS

SHEET NO.:
PS 20 21



- KEYNOTES**
- A 1st DIGESTIVE CHAMBER
Wwd = 1800
 - B 2nd DIGESTIVE CHAMBER
Wwd = 1750
 - C 3rd DIGESTIVE CHAMBER
Wwd = 1700
 - D 150# INFLENT PIPE
 - E 150# EFFLUENT PIPE
 - F RC-TYPE MANHOLE COVER
(verify w/ struct. engr)
 - G 10# SMOOTH BAR HANDLE
 - H 6mm thk ANGLE BAR BOTH
TANK & COVER EDGES
 - I 100# AIR PIPE GI PIPE SCH40
 - J COPPER SCREEN COVER
 - K PUDDLE FLANGE
 - L 150# CLEAOUT CAP
 - M 150# PIPE
 - N 150# 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 &
watertightness 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 = 500 (300 min)
 - BB = 1800



- KEYNOTES**
- A 12# LIFTING HANDLE
 - B HASP w/ PADLOCK
 - C GA #10 STAINLESS STEEL
MANHOLE COVER
 - D 13# x 700 LONG THREADED
ROD w/ NUTS & WASHERS
 - E 6mm THK HINGE PLATE
WELDED
 - F RUBBER GASKET
 - G 6# ANCHOR BOLT
 - H PUMP ROOM LEVEL
- NOTES**
CONTRACTOR CAN PROPOSE ALTERNATIVE
MANHOLE COVER SUBJECT TO APPROVAL OF
DESIGNER.

01 RC-TYPE UNDERGROUND SEPTIC TANK DETAIL
PS - 21 SCALE NTS

02 SEPTIC TANK (OPTIONAL) MANHOLE COVER DETAIL
PS - 21 SCALE 1/10MTS

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.
100# VENT PIPE AT EACH CHAMBER IN ITEM
"I" SHALL BE CONNECTED TO 100#PP
COLLECTOR PIPE TERMINATED AT ROOF.

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 0608;
426 7214

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

| | |
|--|----------------------------|
| 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**

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, Odiongan, Romblon

| | |
|--|----------------------------------|
| SHEET CONTENTS: MISCELLANEOUS DETAILS | SHEET NO.: PS 21 21 |
|--|----------------------------------|

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 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 THE 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>ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS</p> <p>SUITE 305 XAVERVILLE SQUARE CONDOMINIUM NO. 38 XAVERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 30244 FAX NOS: 927 6608; 426 7214</p> | 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, 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: EQUIPMENT SCHEDULE LEGEND & SYMBOLS ABBREVIATIONS MECHANICAL NOTES | SHEET NO.: |
|--|--|--|--|---|--|---|--|----------------|

FAN SCHEDULE




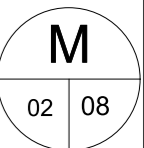
| MARK NO | LOCATION | QTY. | SERVICE | TYPE | CAPACITY (LPS) | STATIC PRESSURE (PA) | MOTOR DATA | | | | REMARKS |
|-----------|-------------------|------|----------------|----------------------|----------------|----------------------|---------------------|-------|----------|------------|--|
| | | | | | | | 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

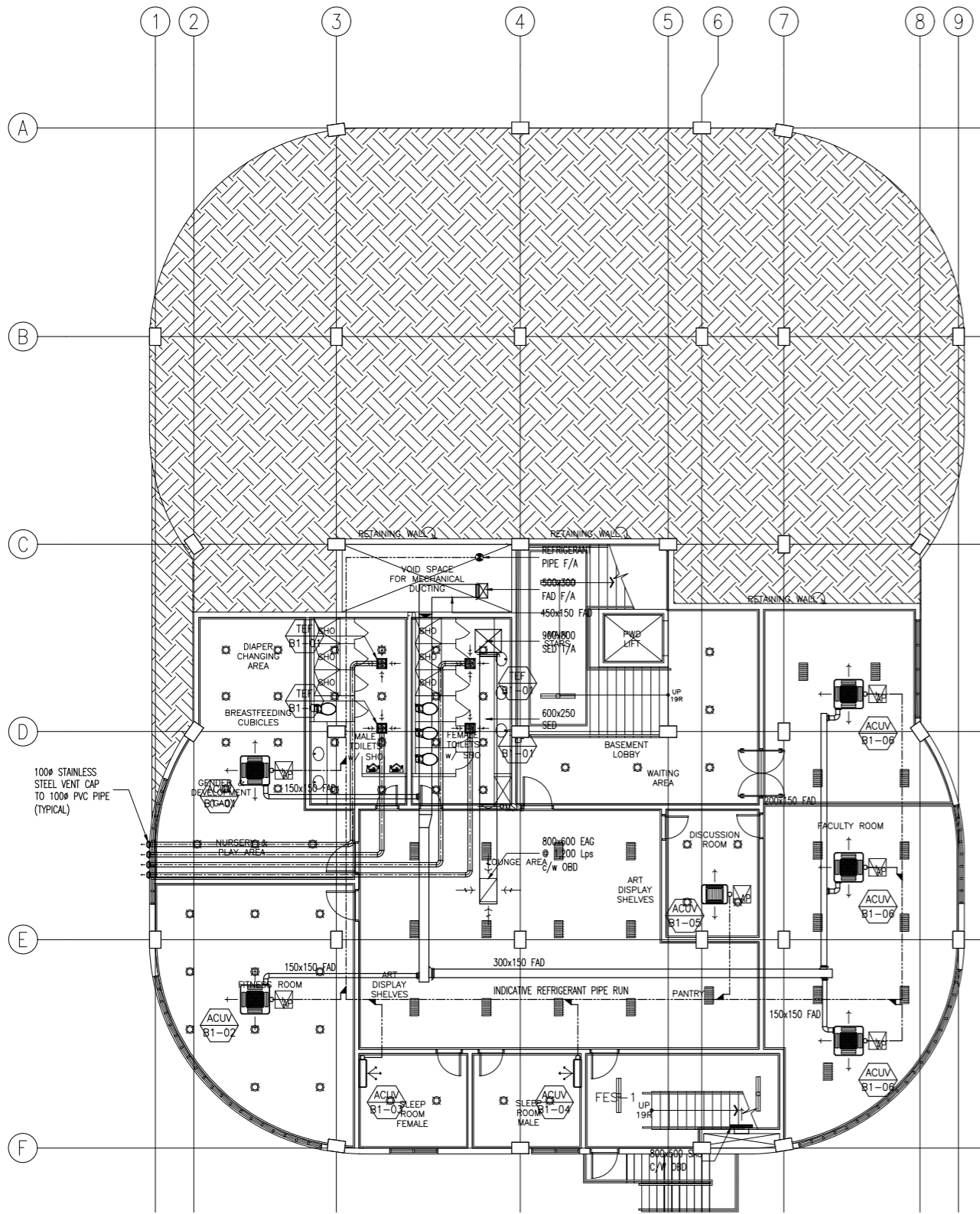
| MARK NO | LOCATION | QTY. | SERVICE | TYPE | CAPACITY (LPS) | STATIC PRESSURE (PA) | MOTOR DATA | | | | REMARKS |
|----------|-----------|------|--------------------------|----------------------|----------------|----------------------|---------------------|-------|----------|------------|--|
| | | | | | | | 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 |

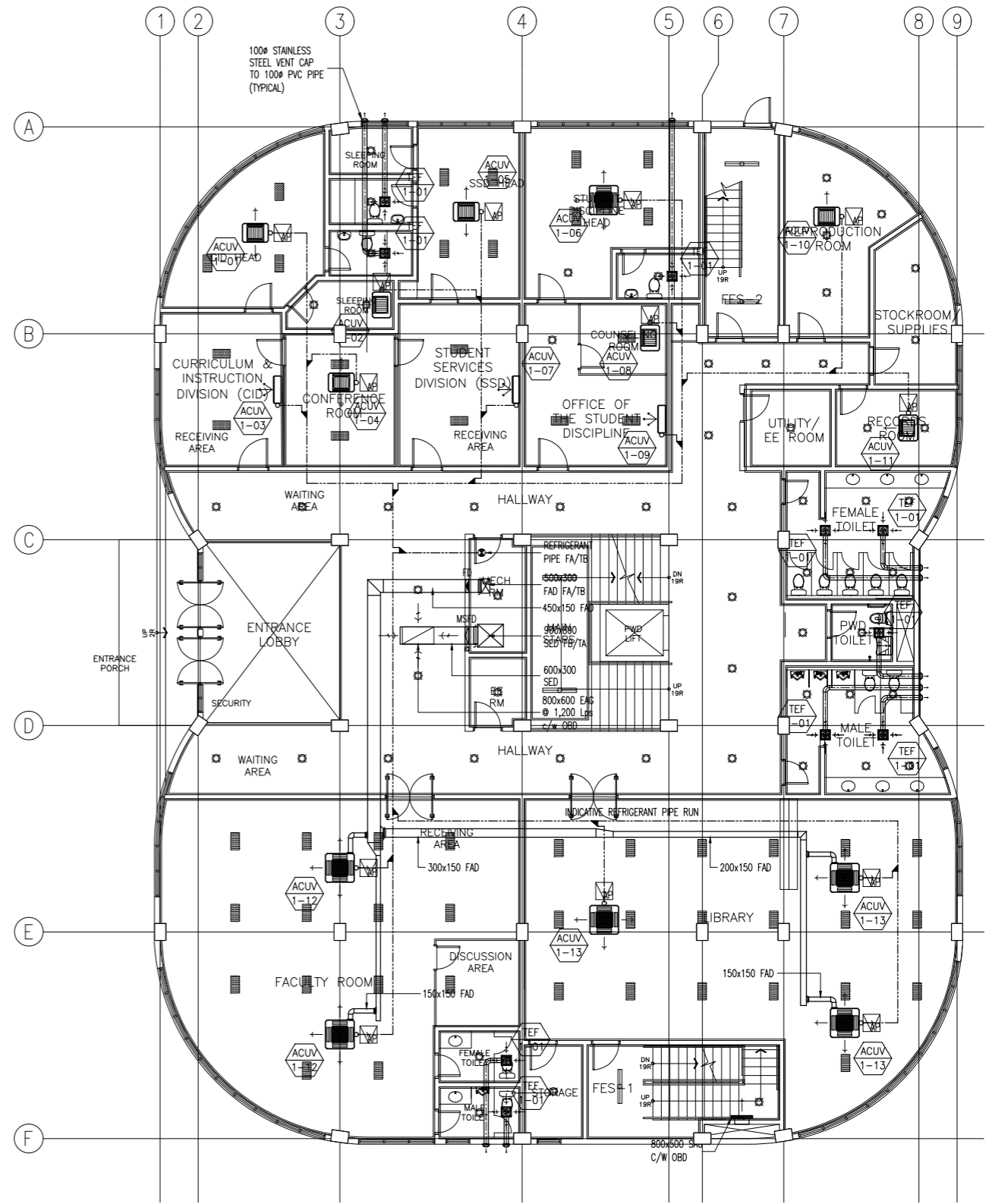
| | | | | | | | | | |
|--|--|--|--|--|--------------------------------------|---|--------------------|---|-----------|
|  ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH  ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS | SUITE 305 XAVERVILLE SQUARE CONDOMINIUM NO. 38 XAVERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 30244 FAX NOS: 927 6608; 426 7214 | DESIGNER: | 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: | DESIGNED FOR: | RECOMMENDING APPROVAL: | APPROVED BY: | SHEET CONTENTS: | SHEET NO: |
| | | 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 | PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM LOCATION: Brgy. Rizal, Odiongan, Romblon |  REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS | MERIAM F. FALLAR FAD CHIEF | EDWARD C. ALBARACIN CAMPUS DIRECTOR | EQUIPMENT SCHEDULE |  | |

GENERAL NOTES: PLAN FOR FAN SCHEDULE AND LAYOUT ONLY



**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


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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 7006;
426 3024
FAX NOS: 927 6608;
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

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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

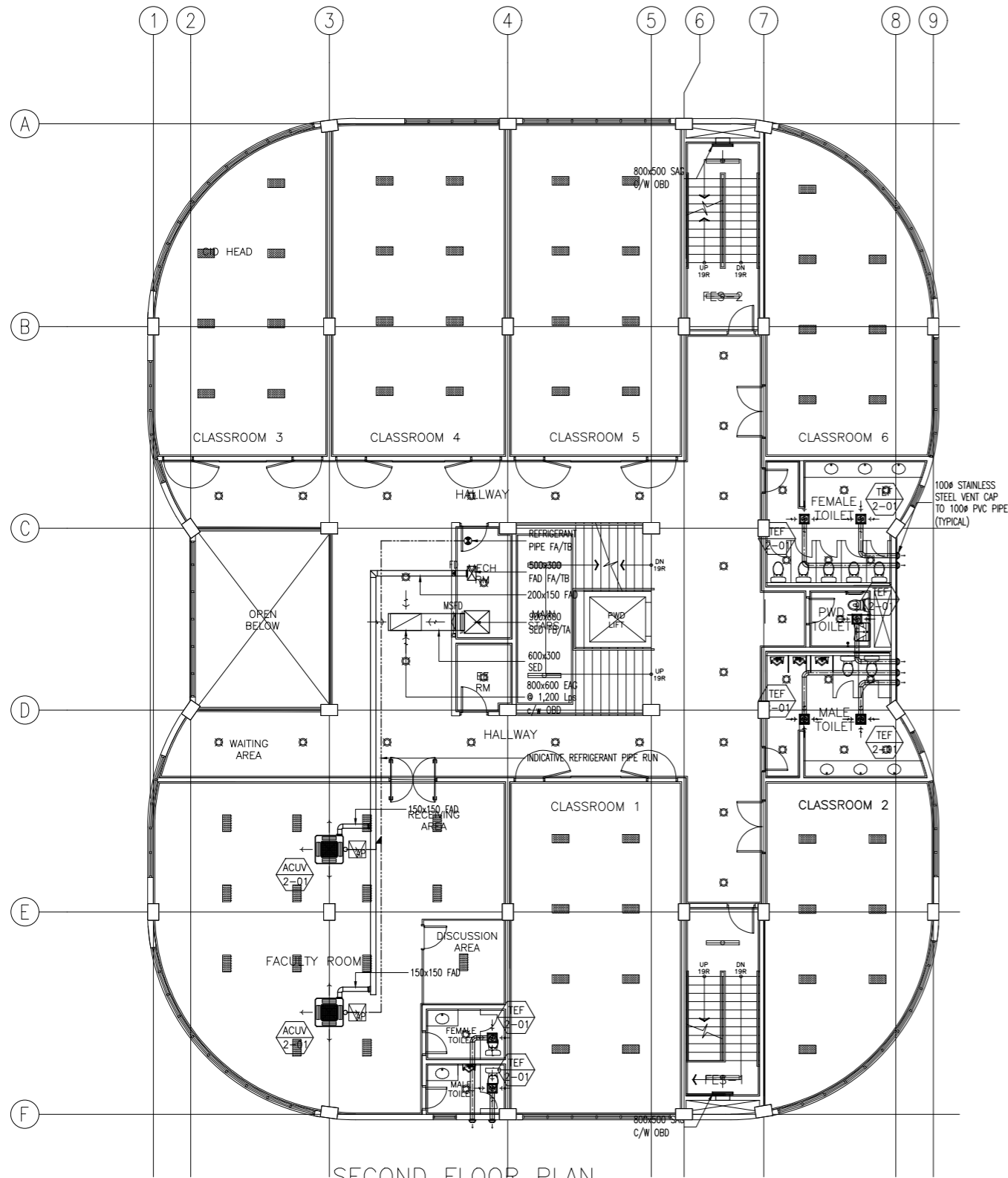
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
BASEMENT FLOOR PLAN
GROUND FLOOR PLAN
A/C AND MECHANICAL VENTILATION LAYOUT

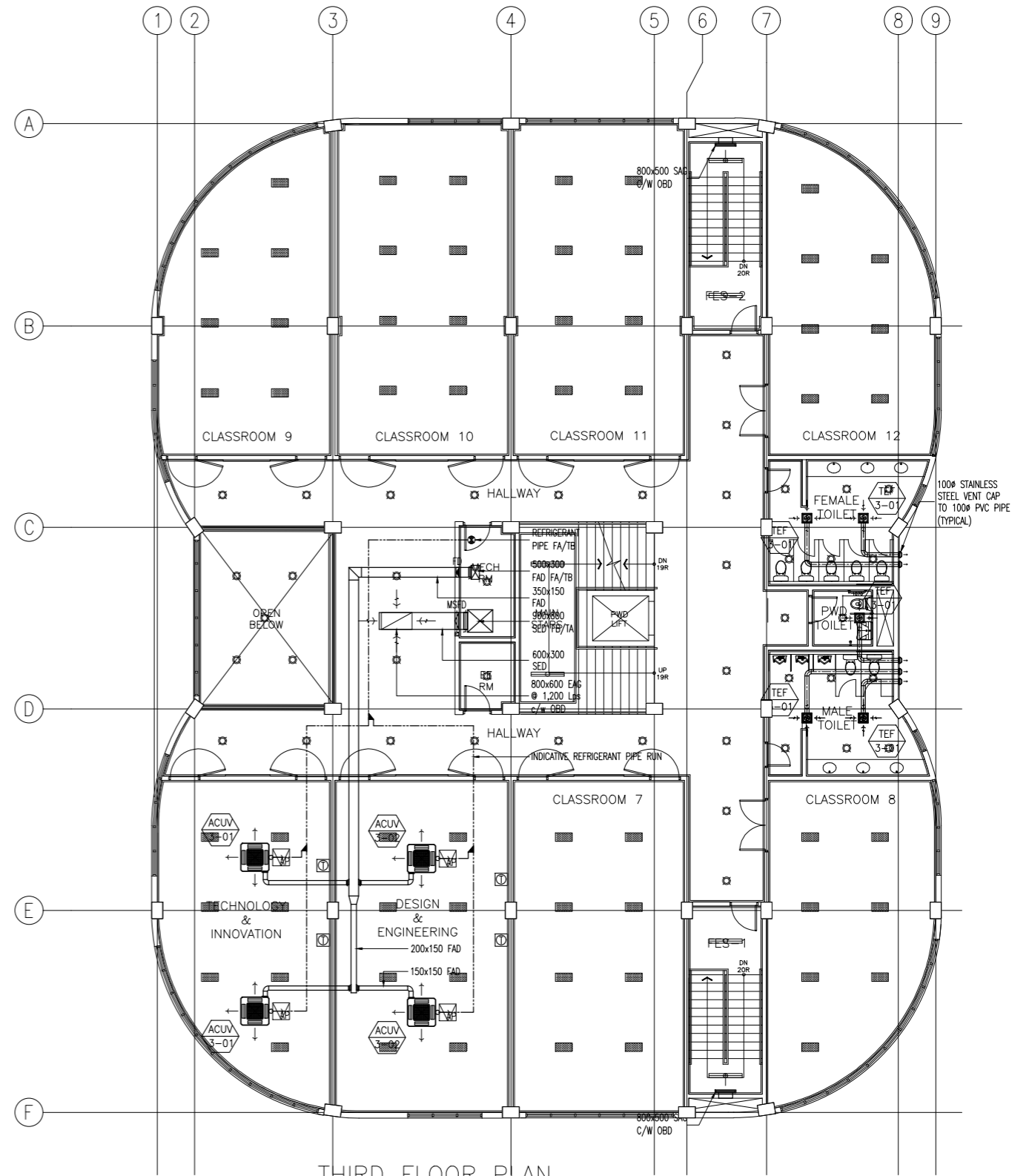
SHEET NO:
M
03 08

GENERAL NOTES: PLAN FOR FAN SCHEDULE AND LAYOUT ONLY



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

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

DESIGNED FOR:

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

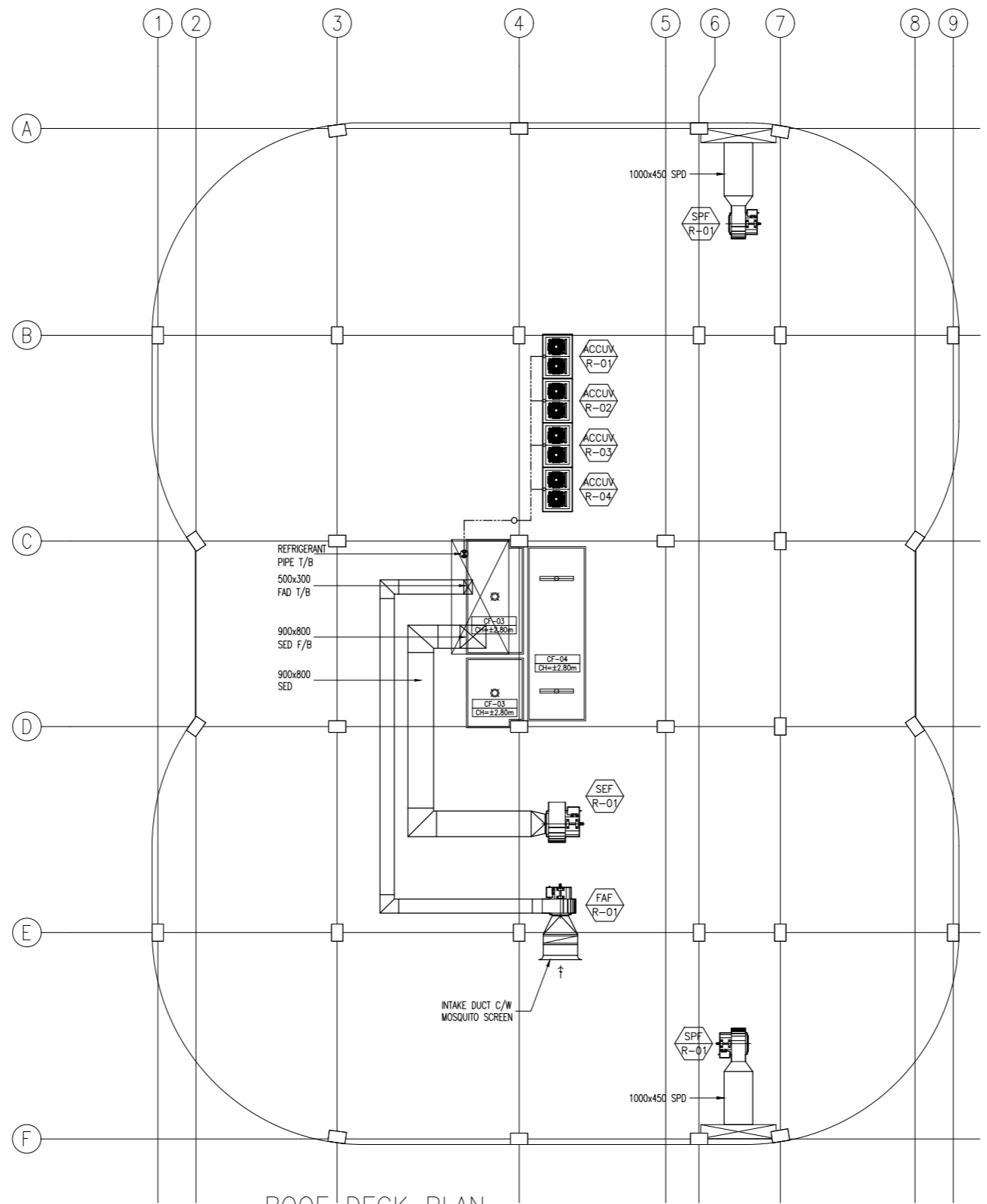
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
SECOND FLOOR PLAN
THIRD FLOOR PLAN
A/C AND MECHANICAL VENTILATION LAYOUT

SHEET NO:
M
04 08

GENERAL NOTES: PLAN FOR FAN SCHEDULE AND LAYOUT ONLY



1
M-05 SCALE 1:100

ROOF DECK PLAN
ACADEMIC BUILDING II
A/C AND MECHANICAL VENTILATION LAYOUT

ENRIQUE O. OLONAN & ASSOCIATES
ARCHITECTS ENGINEERS CONSULTANTS

SUITE 305
XAVIERVILLE SQUARE
CONDOMINIUM
NO. 38 XAVIERVILLE
AVE., LOYOLA HEIGHTS,
QUEZON CITY, 1108
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PROJECT:
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ACADEMIC BUILDING II /
MULTI-PURPOSE GYMNASIUM**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

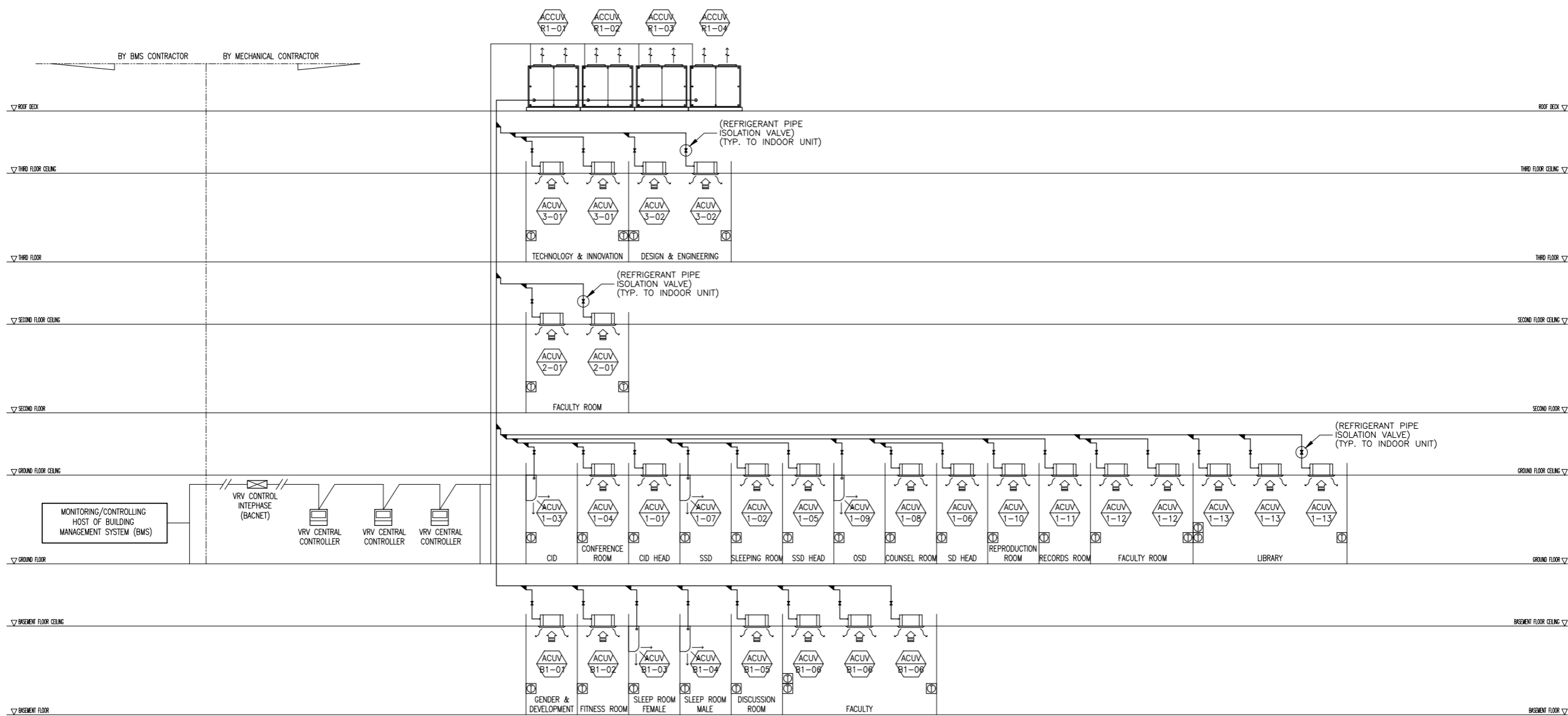
REPUBLIC OF THE PHILIPPINES
PHILIPPINE SCIENCE HIGH SCHOOL -
MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
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FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:
ROOF DECK PLAN
A/C AND MECHANICAL VENTILATION LAYOUT

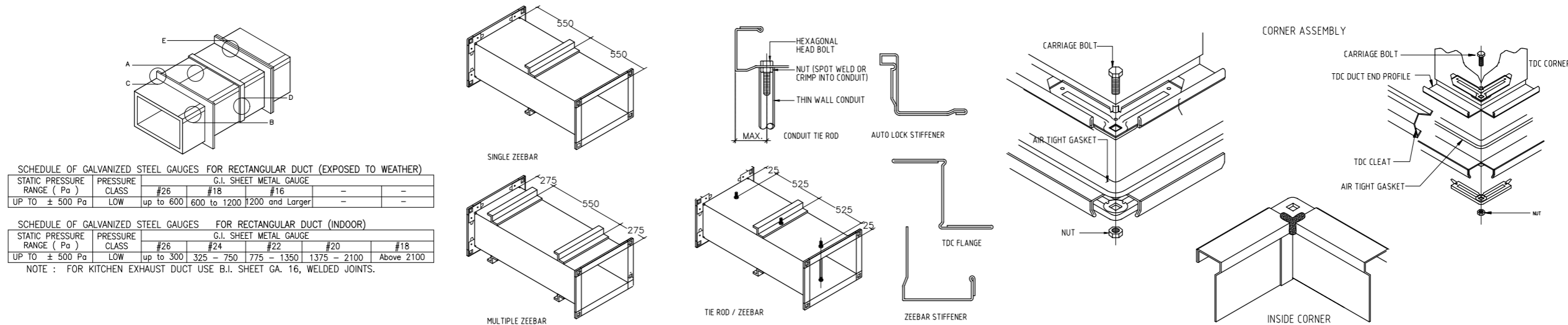
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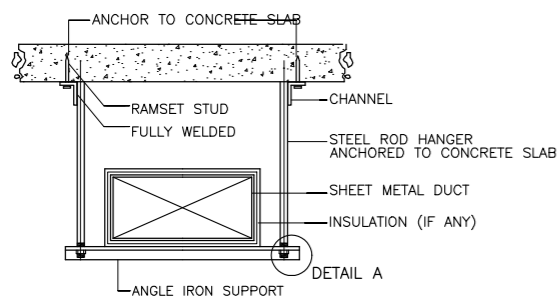
- CONTROL/BMS NOTES**
- ALL LOCAL THERMOSTAT SHALL BE WIRED CONNECT TO INDOOR UNIT. WIRELESS REMOTE IS NOT ADVISABLE.
 - PROVIDE ALL CONTROL DEVICES AND CONNECT TO BMS FOR ALL UNITS.
 - PROVIDE DIRECT DIGITAL CONTROLLER FOR EACH UNIT.
 - CONTROLLER AND WIRING TO AND FROM UNIT SHALL BE UL LISTED FOR FIRE ALARM SERVICE.
 - CONTROL DIAGRAM APPLICABLE TO OTHER AREAS WITH SIMILAR SCHEME.
 - 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.
 - 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.
 - ALL DDC TO BE PROVIDED BY BMS CONTRACTOR
 - CONTROL INTERPHASE MODULE FOR VRV/VRF SHALL BE PROVIDED BY MECHANICAL CONTRACTOR

1 ACADEMIC BUILDING II VRF SCHEMATIC DIAGRAM
M-06 SCALE 1:100

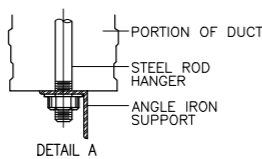
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|--|--|--|---|---|--|---|---|--|
| <p>ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS</p> <p>IN JOINT VENTURE WITH</p> <p>ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p> <p>SUITE 305 XAVERVILLE SQUARE CONDOMINIUM NO. 38 XAVERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 30244 FAX NOS: 927 6608; 426 7214</p> | <p>DESIGNER:</p> <p>MELITON A. NAGUE 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 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>PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM</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>MERIAM F. FALLAR FAD CHIEF</p> | <p>APPROVED BY:</p> <p>EDWARD C. ALBARACIN CAMPUS DIRECTOR</p> | <p>SHEET CONTENTS:</p> <p>VRF SCHEMATIC DIAGRAM</p> | <p>SHEET NO:</p> <p>M 06 08</p> |
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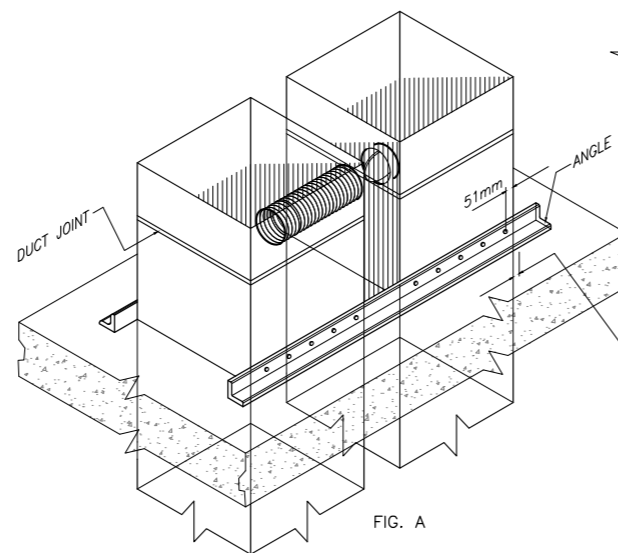
1 DUCT CONSTRUCTION DETAIL
M-07 SCALE NTS



| 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

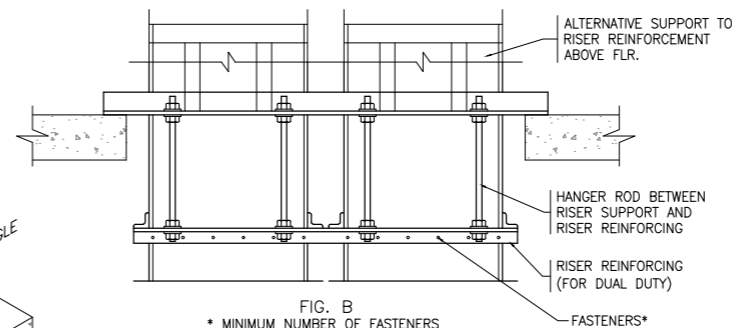


FIG. B
* MINIMUM NUMBER OF FASTENERS ON EACH OF TWO SUPPORT BARS

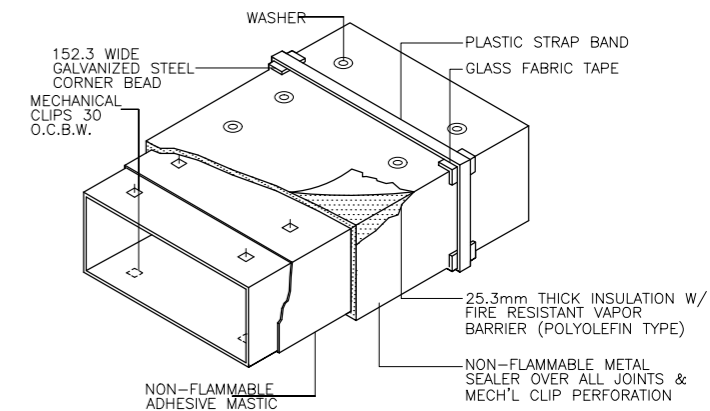
| LARGEST DUCT DIM. | MINIMUM NUMBER OF FASTENERS |
|-------------------|--------------------------------|
| 406mm AND DOWN | 2 |
| 432mm - 610mm | 3 |
| OVER 610mm | LARGEST DUCT DIM. DIVIDED BY 8 |

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

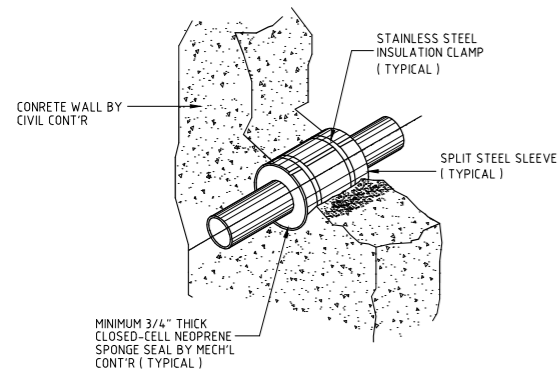
| DUCT SIZE | ANGLE |
|-------------|--------------------------------|
| 914x457mm | 38.1x38.1x3.2mm |
| 1219x610mm | 38.1x38.1x3.2mm |
| 1524x762mm | 38.1x38.1x4.8mm |
| 1524x1524mm | 38.1x38.1x6.4mm OR 51x51x3.2mm |

OVER 1524mm—INCREASE ANGLE SIZE AS REQUIRED FOR SPACE & DUCT SIZE

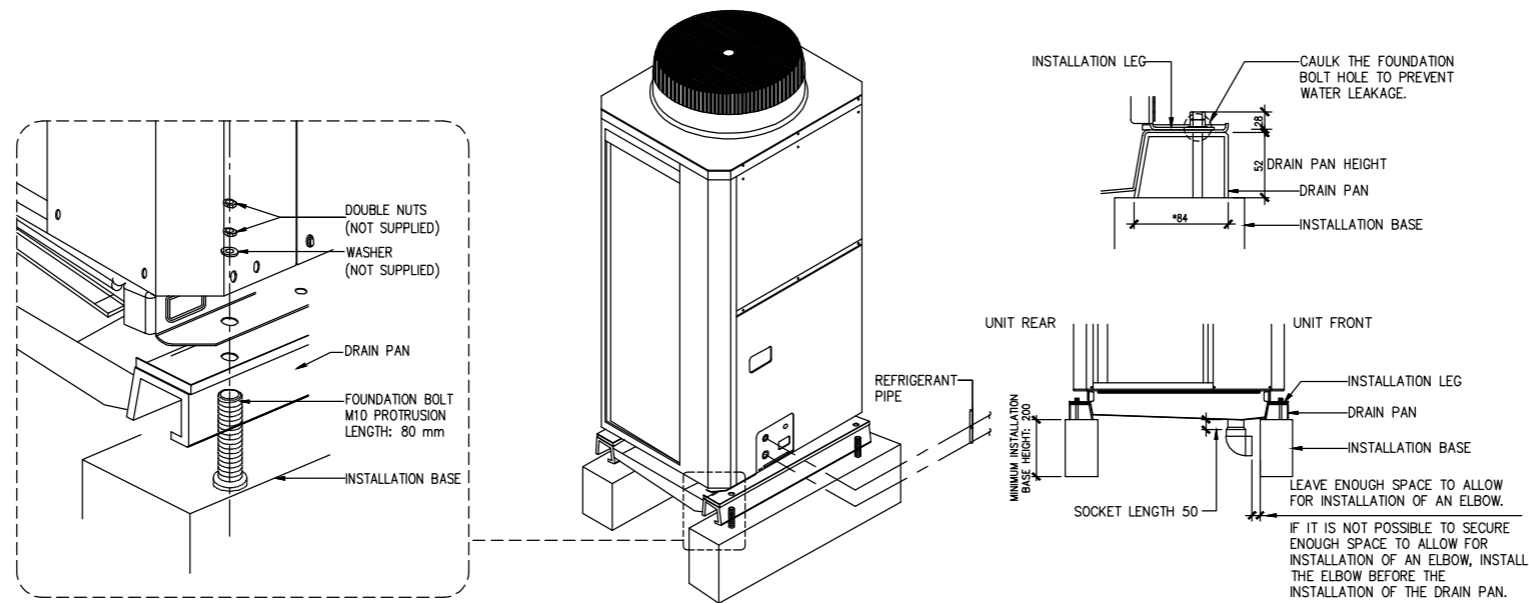


NOTE:
ALL DUCTS AT MACHINE ROOM AND THOSE EXPOSED TO WEATHER SHALL BE COVERED W/ GAGE 26 G.I. SHEET CLADDING.

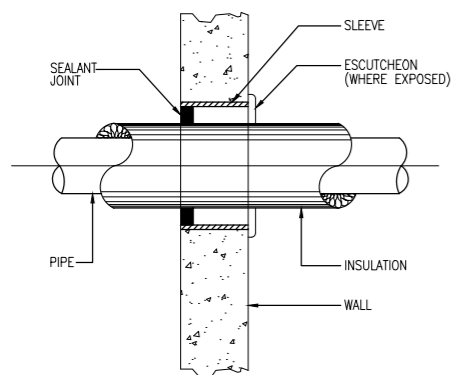
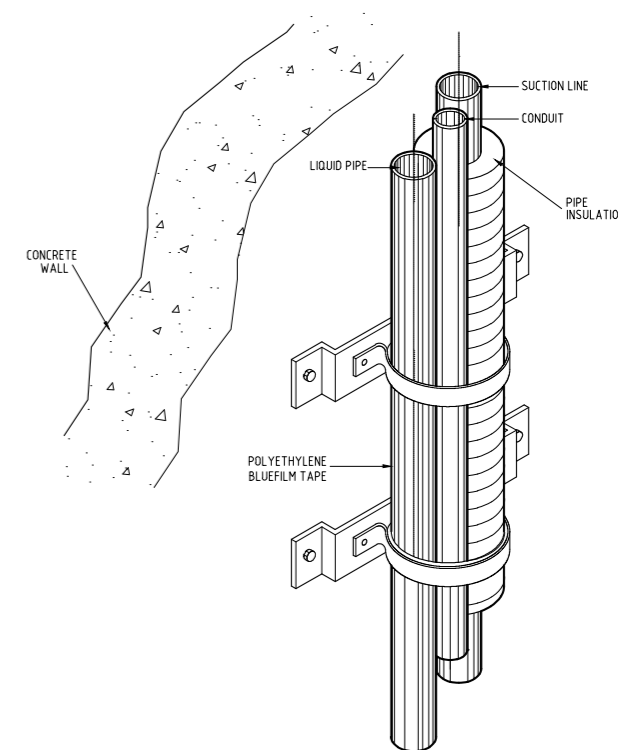
4 DUCT INSULATION DETAIL
M-07 SCALE NTS



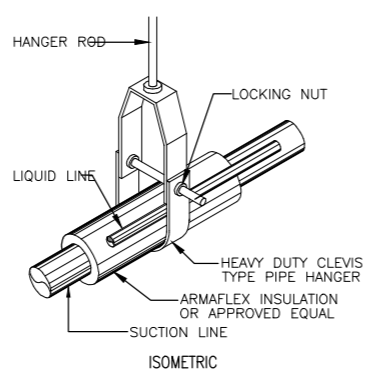
1 PIPE THRU WALL DETAIL
M-08 SCALE NTS



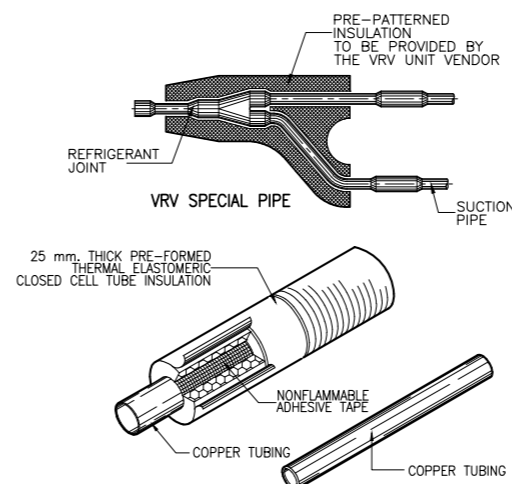
2 VRF OUTDOOR UNIT INSTALLATION DETAIL
M-08 SCALE NTS



3 PIPE SLEEVES DETAIL
M-08 SCALE NTS

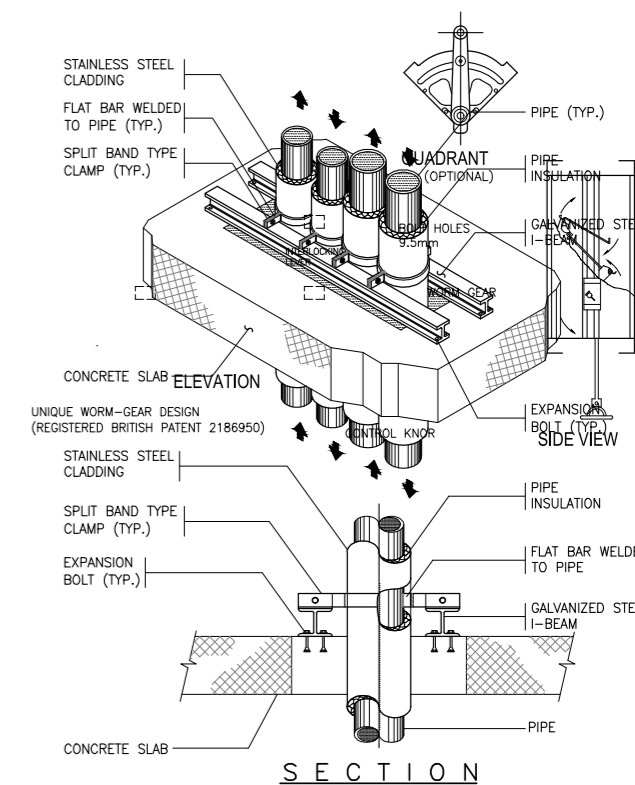


4 PIPE SUPPORT DETAIL
M-08 SCALE NTS

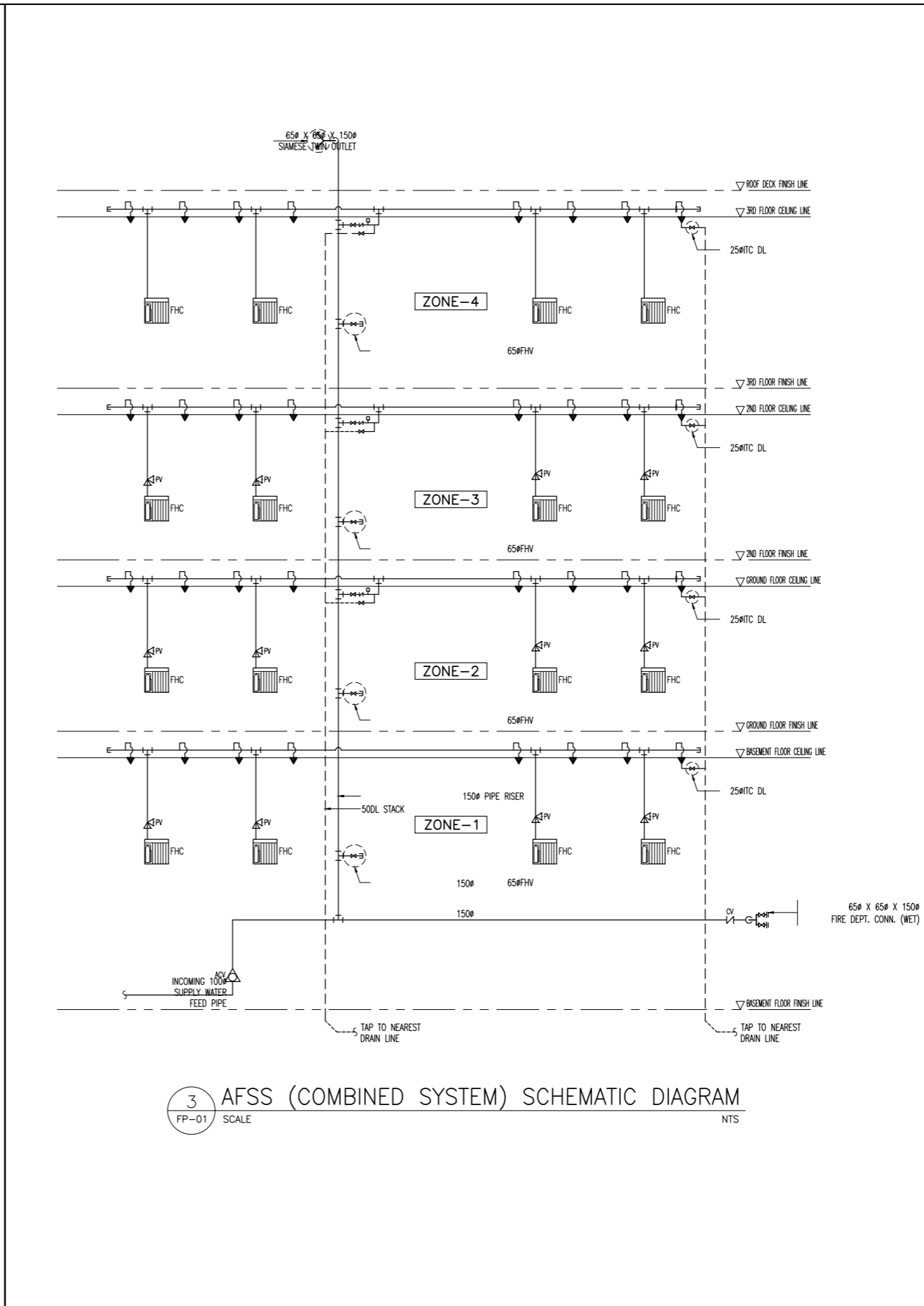
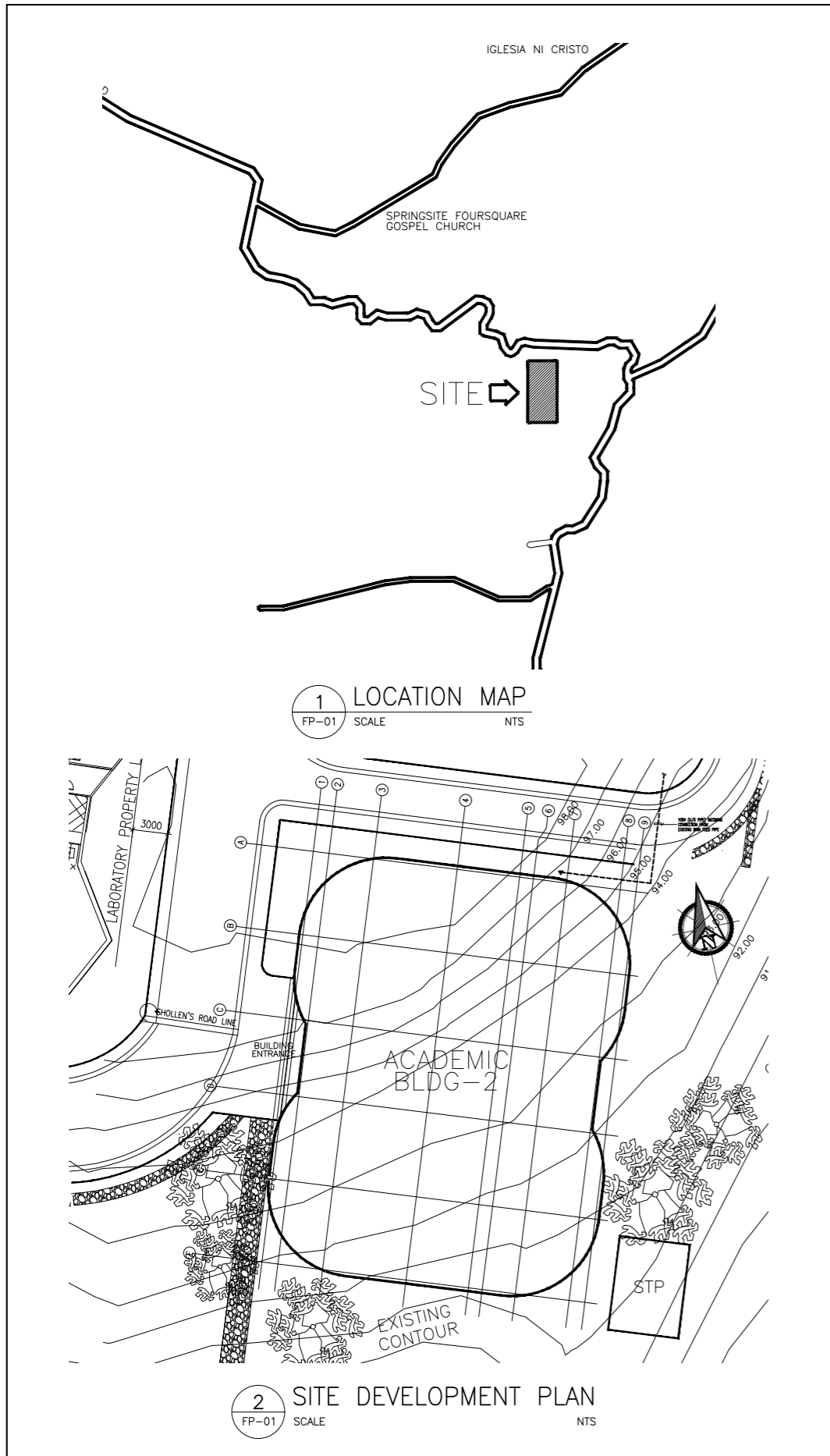


- NOTE:
- CONDENSATE DRAIN PIPE INSULATION SHALL BE OF SIMILAR MATERIAL BUT 19 mm. THICK.
 - PROVIDE ALUMINUM CLADDING FOR OUTDOOR REFRIGERANT PIPING.

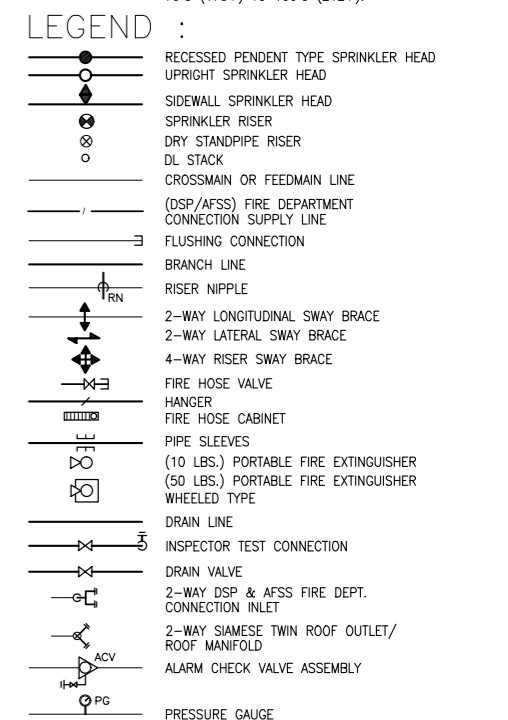
5 REFRIGERANT PIPE INSULATION DETAIL
M-08 SCALE NTS



6 PIPE RISER SUPPORT DETAIL
M-08 SCALE NTS

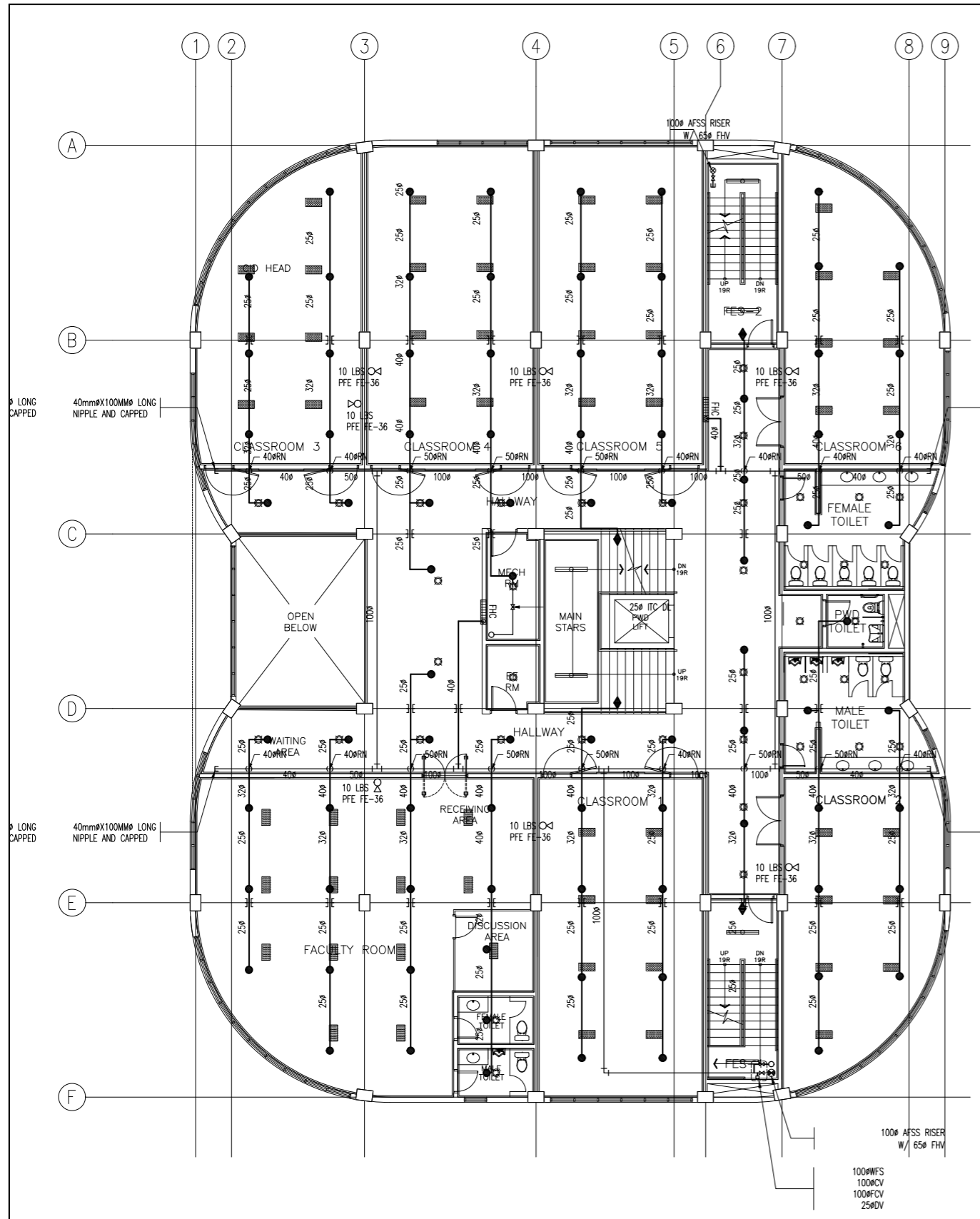


- GENERAL NOTES :**
- MOTORS, GENERATORS AND OTHER ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH NON-COMBUSTIBLE SPLASH PROOF SHIELDS OR HOODS.
 - SPRINKLER HEADS SPACED LESS THAN 1.80 M. (6 FT.) SHALL BE PROVIDED WITH BAFFLES OR DEFLECTORS.
 - FLOOR DRAINS FOR OIL SPILLS SHALL BE PROVIDED IN FLOOR SLAB FOR TRANSFORMER VAULT, BY PLUMBING CONTRACTOR.
 - ALL PORTABLE FIRE EXTINGUISHER (PFE) SHALL BE "ABC" TYPE DRY CHEMICAL UNLESS OTHERWISE SPECIFIED (INSIDE FIRE HOSE CABINETS.)
 - ALL ELECTRICAL, MECHANICAL, AHU ROOMS TO BE PROVIDED WITH 10 LBS. FE-36 TYPE PORTABLE FIRE EXTINGUISHER.
 - TRANSFORMER VAULT SHALL BE PROVIDED WITH 1-50 LBS. WHEELED TYPE CO2 PORTABLE FIRE EXTINGUISHER.
 - ALL PIPES PASSING THRU BEAMS/GIRDERS SHALL BE PROVIDED WITH PIPE SLEEVES.
 - FINAL QUANTITY OF FIRE EXTINGUISHER IS SUBJECT TO APPROVAL OF THE BUREAU OF FIRE PERSONNEL.
- MATERIAL SPECIFICATIONS :**
- FIRE LINES** FIRE LINES SHALL BE BLACK IRON (B.I.) PIPES SCHEDULE 40 "STANDARD" CONFORMING TO ASTM A-120-1980 "MAYER" OR "SUPREME" BRAND OR APPROVED EQUIVALENT.
- GATE VALVES** SHALL BE OUTSIDE SCREW AND YOKE (OS&Y) TO ASTM B-62 CHECK AND GLOBE VALVES TO ASTM B-62.
- SPRINKLER HEADS** ALL SPRINKLER HEADS, PENDENT (CONCEALED, UPRIGHT & SIDEWALL) SHALL BE RATED 57°C (135°F) TO 74°C (165°F) EXCEPT ON AHU, PUMP, MECHANICAL ROOM & KITCHEN SHALL BE 79°C (175°F) TO 100°C (212°F).

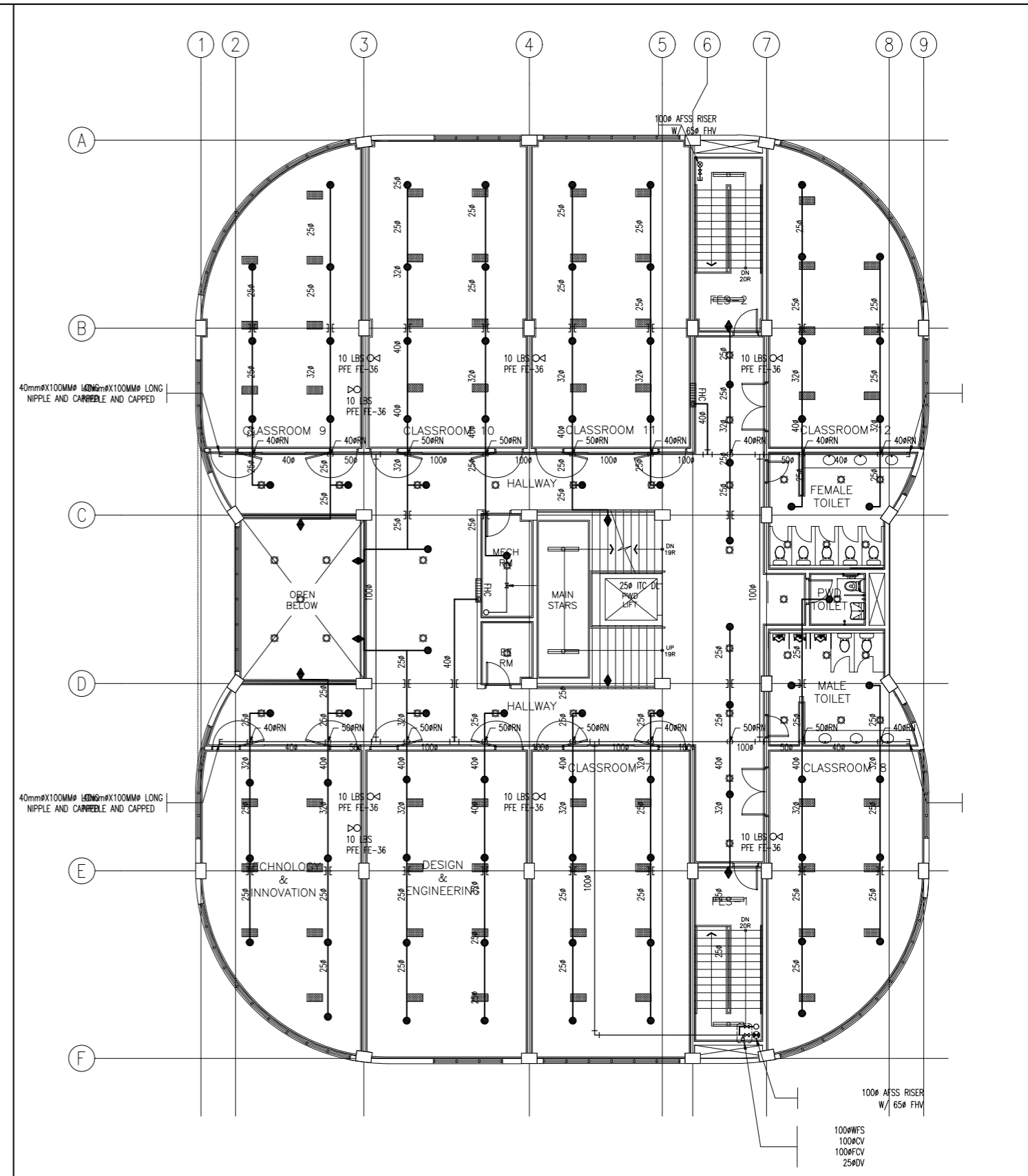


- ABBREVIATION:**
- ACV ALARM CHECK VALVE
 - AFSS AUTOMATIC FIRE SPRINKLER SYSTEM
 - CV CHECK VALVE
 - DL DRAIN LINE
 - DSP DRY STAND PIPE
 - DV DRAIN VALVE
 - FCV FLOOR CONTROL VALVE
 - FHC FIRE HOSE CABINET
 - FHV FIRE HOSE VALVE
 - GV GATE VALVE
 - ITC INSPECTOR TEST CONNECTION
 - (OS & Y) GV GATE VALVE (OUTSIDE SCREW & YOKE)
 - PFE PORTABLE FIRE EXTINGUISHER
 - PG PRESSURE GAUGE
 - RN RISER NIPPLE
 - WFS WATER FLOW SWITCH

| | | | | | | | | |
|---|--|--|---|---|--|---|---|---|
| <p>ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS</p> <p>IN JOINT VENTURE WITH</p> <p>ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p> | <p>DESIGNER:</p> <p>MELITON A. NAGUE PROFESSIONAL MECHANICAL ENGINEER</p> <p>PRC No. 4908 Validity: 06/05/2024</p> <p>PTR No. 8535022 Date: 01/05/2021</p> <p>Place: MAKATI CITY TIN: 912-907-486</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 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.</p> | <p>PROJECT:</p> <p>PROPOSED ACADEMIC BUILDING II / MULTI-PURPOSE GYMNASIUM</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>MERIAM F. FALLAR FAD CHIEF</p> | <p>APPROVED BY:</p> <p>EDWARD C. ALBARACIN CAMPUS DIRECTOR</p> | <p>SHEET CONTENTS:</p> <p>GENERAL NOTES MATERIAL SPECIFICATIONS LEGENDS AND SYMBOLS LOCATION MAP SITE DEVELOPMENT PLAN AFSS (COMBINED SYSTEM) SCHEMATIC DIAGRAM</p> | <p>SHEET NO:</p> <p>FP 01 08</p> |
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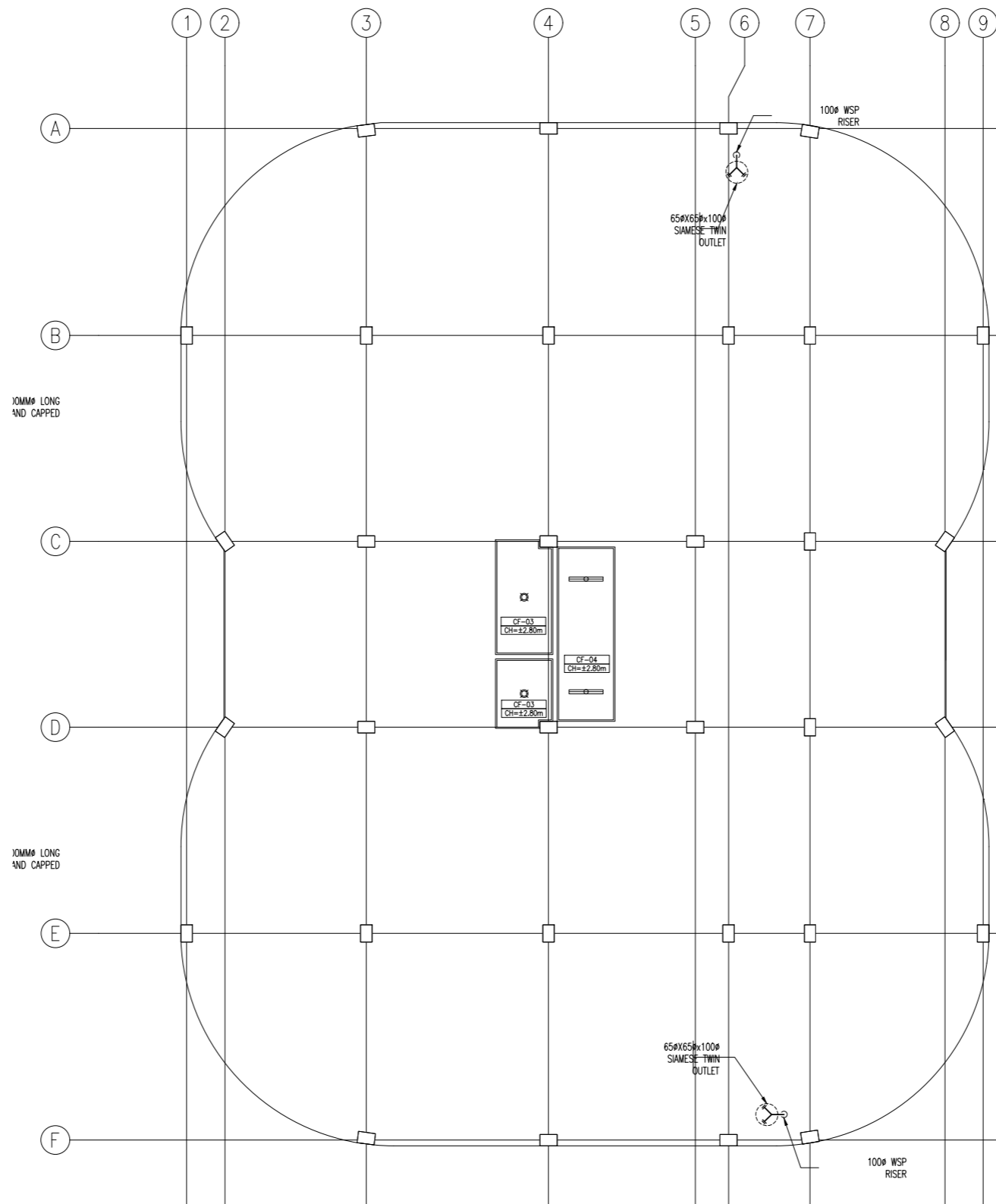


1
ACADEMIC BUILDING II
SECOND FLOOR REFLECTED CEILING PLAN AFSS LAYOUT
FP-03 SCALE NTS



2
ACADEMIC BUILDING II
THIRD FLOOR REFLECTED CEILING PLAN AFSS LAYOUT
FP-03 SCALE NTS

| | | | | | | | | |
|--|--|--|--|--|--|---|---|--|
| ENRIQUE O. OLANON & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLANON & 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 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 REFLECTED CEILING PLAN AND THIRD FLOOR REFLECTED CEILING PLAN AFSS LAYOUT | SHEET NO: FP 03 08 |
| | SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NO.: 426 7000 426 30204 FAX NO.: 927 6608; 426 7214 | | | | | | | |



1
 ACADMIC BUILDING II
 ROOF DECK REFLECTED CEILING PLAN AFSS LAYOUT
 SCALE NTS

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

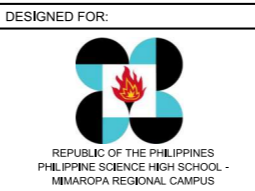
SUITE 305
 XAVERVILLE SQUARE
 CONDORINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 30244
 FAX NOS: 927 6608;
 426 7214

| | |
|---|----------------------|
| 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 |

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

LOCATION: Brgy. Rizal, Odiongan, Romblon



RECOMMENDING APPROVAL:

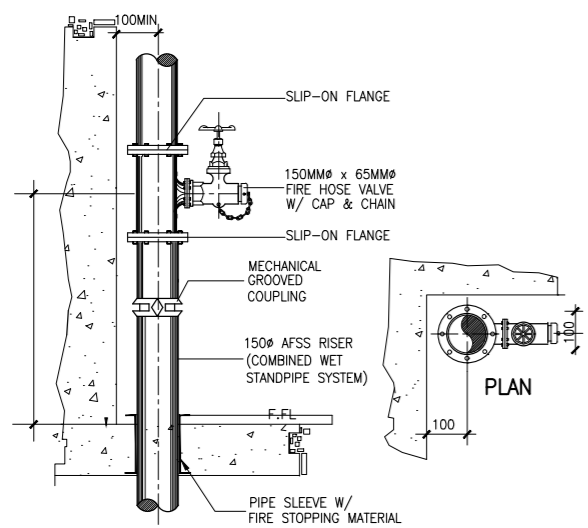
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:

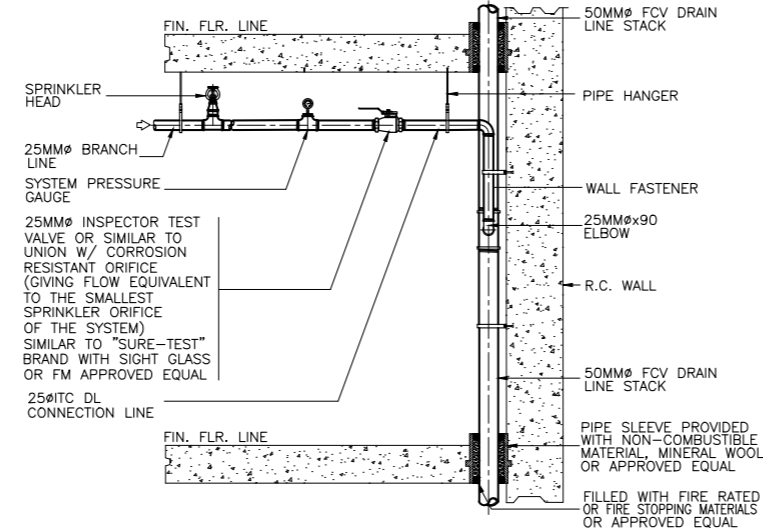
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 ROOF DECK REFLECTED CEILING PLAN
 AFSS LAYOUT

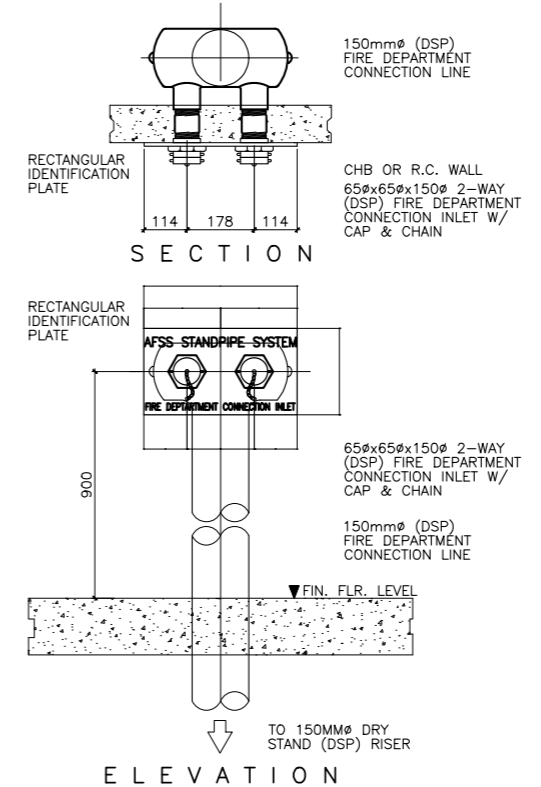
SHEET NO:
FP
 04 08



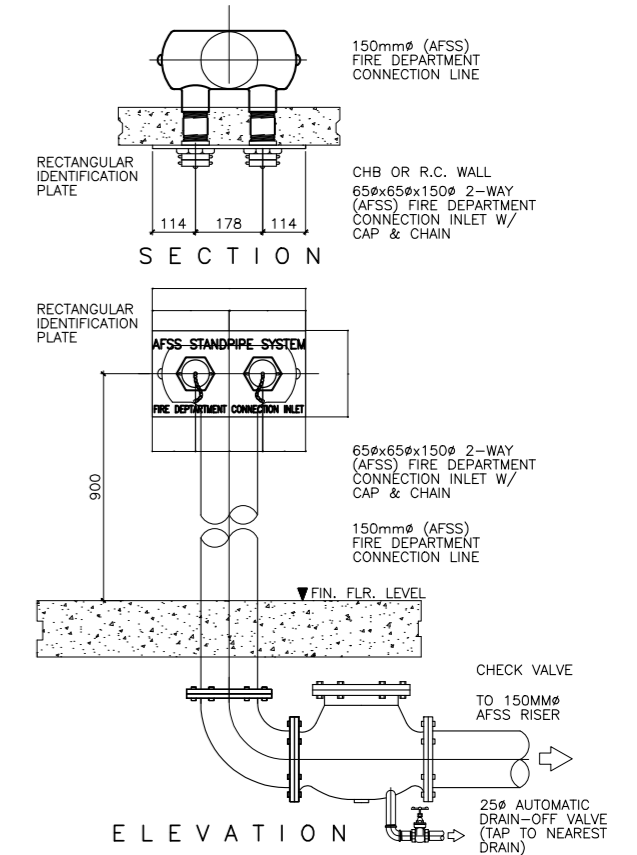
1 DETAILS OF FIRE HOSE VALVE
 FP-05 NOT TO SCALE



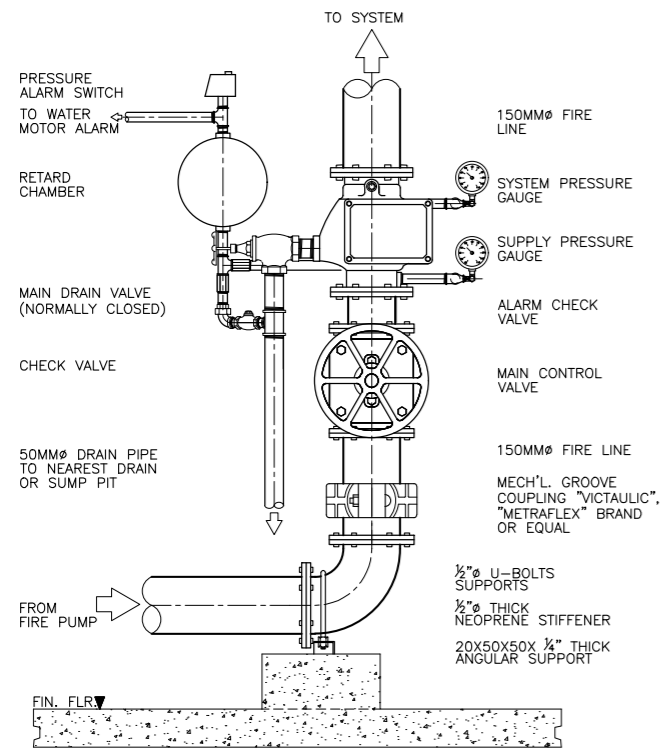
2 DETAIL OF INSPECTOR TEST CONNECTION
 FP-05 NOT TO SCALE



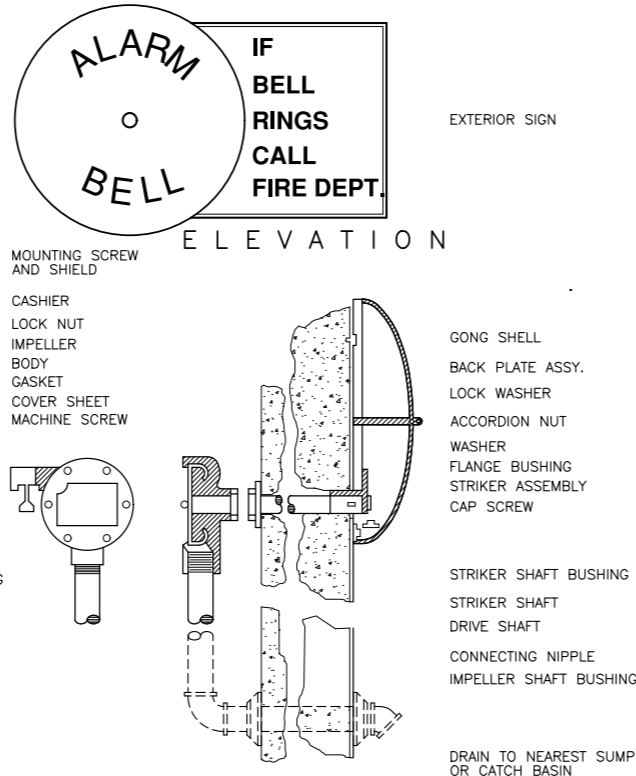
3 DETAIL OF DSP FIRE DEPT. INLET
 FP-05 SCALE 1:10 MTS.



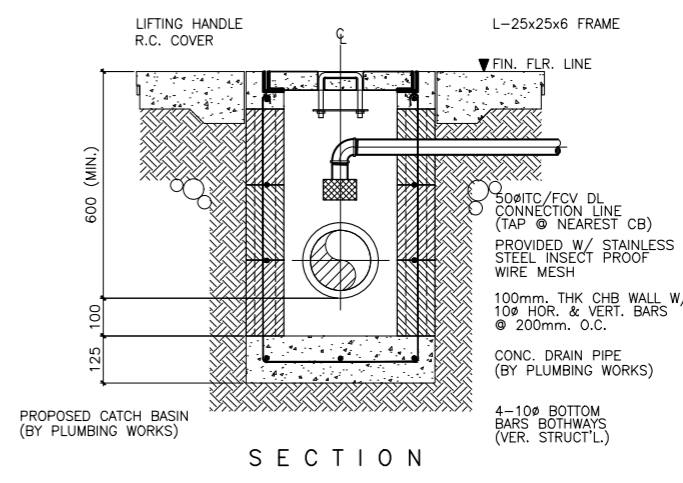
4 DETAIL OF AFSS FIRE DEPT. INLET
 FP-05 SCALE 1:10 MTS.



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.

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

DESIGNED FOR:

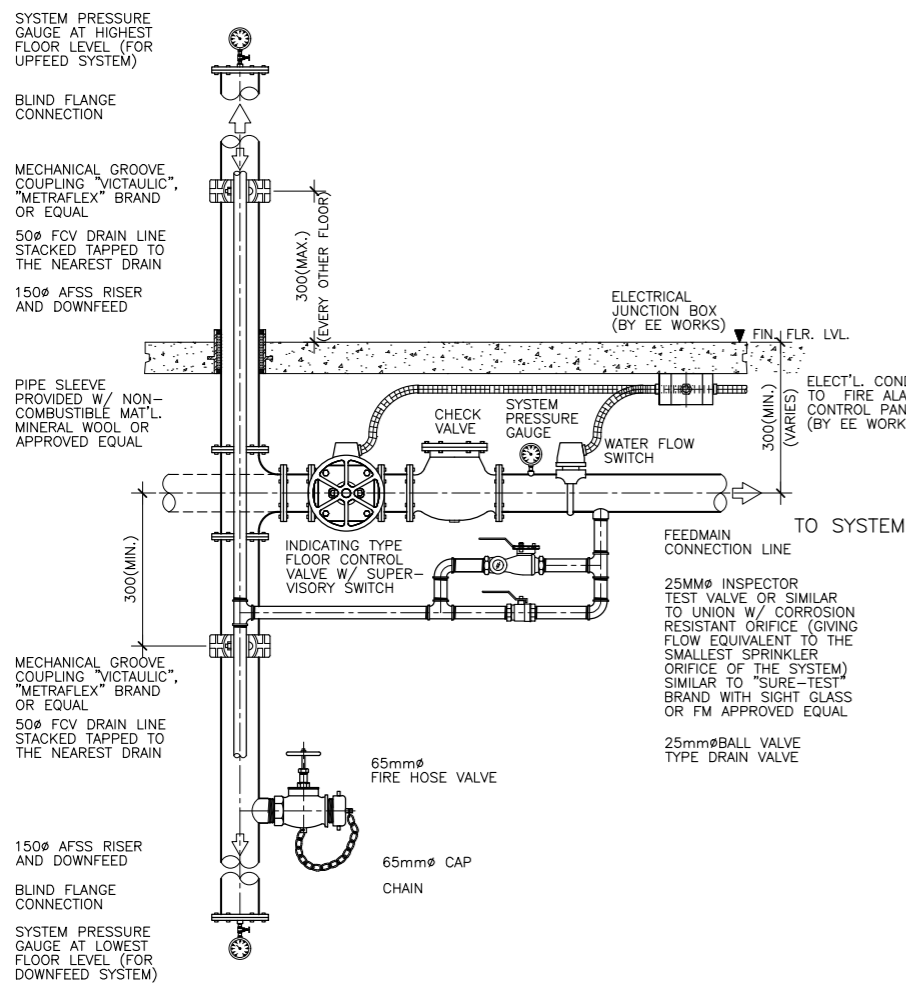
 REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

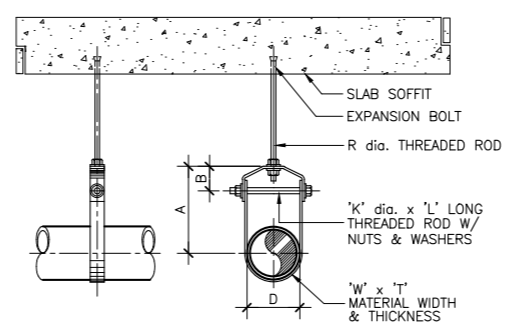
APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 MISCELLANEOUS DETAILS SHEET 1 OF 4

SHEET NO:
FP 05 08



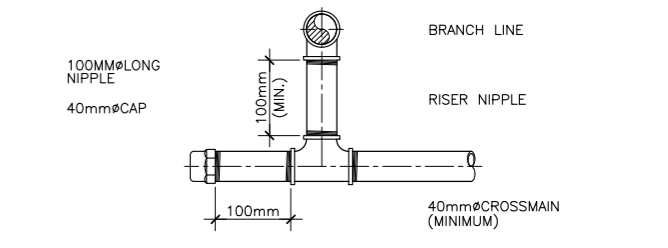
1 DETAIL OF SUPERVISORY FLOOR CONTROL VALVE ASSEMBLY (COMBINED SYSTEM)
 FP-06 SCALE 1:15 MTS.



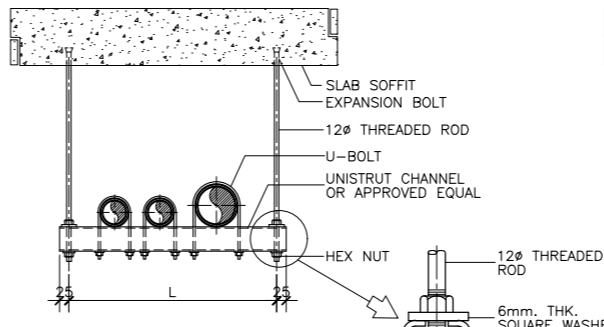
3 DETAIL OF PIPE HANGER
 FP-06 SCALE 1:10 MTS.

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 |

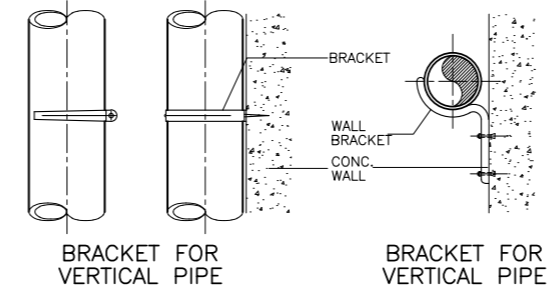


4 DETAIL OF FLUSHING CONNECTION
 FP-06 SCALE 1:5 MTS.

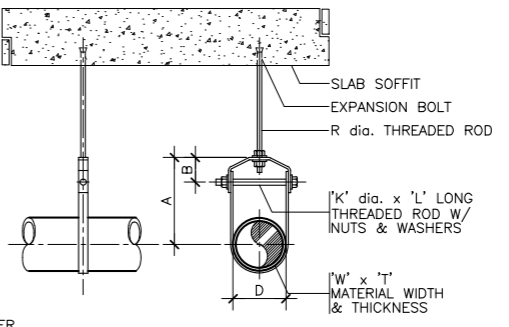


STANDARD TRAPEZE HANGERS TABLE OF DIMENSIONS

| 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 |



5 DETAIL OF PIPE HANGERS, CLAMPS & BRACKETS
 FP-06 SCALE 1:10 MTS.

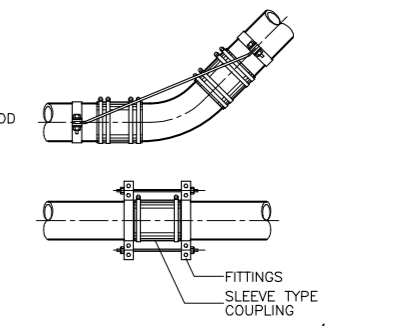


STANDARD CLEVIS HANGERS TABLE OF DIMENSIONS

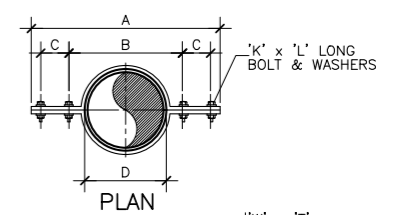
| D | A | B | R | W x T | K x L |
|-----|-----|----|----|--------|-----------|
| 34 | 80 | 45 | 12 | 25 x 3 | M10 x 70 |
| 43 | 90 | 50 | 12 | 25 x 3 | M10 x 80 |
| 48 | 95 | 50 | 12 | 25 x 3 | M10 x 85 |
| 60 | 105 | 55 | 12 | 25 x 3 | M10 x 100 |
| 76 | 115 | 60 | 14 | 40 x 6 | M12 x 115 |
| 89 | 125 | 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 |

STANDARD VERTICAL CLAMP TABLE OF DIMENSIONS

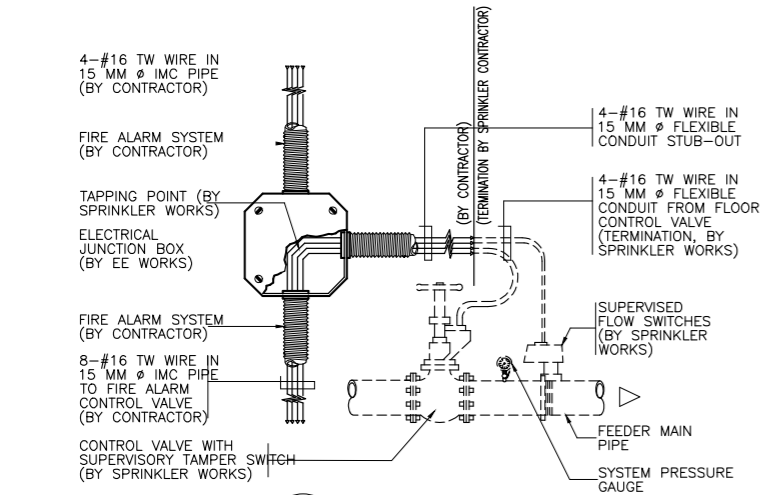
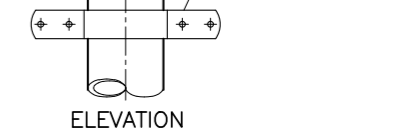
| D | A | B | C | W x T | K x L |
|-----|-----|-----|----|---------|----------|
| 60 | 250 | 114 | 48 | 40 x 6 | M12 x 40 |
| 76 | 266 | 130 | 48 | 50 x 6 | M12 x 40 |
| 114 | 304 | 168 | 48 | 50 x 6 | M12 x 40 |
| 165 | 468 | 254 | 75 | 75 x 10 | M16 x 60 |
| 219 | 519 | 305 | 75 | 75 x 10 | M16 x 60 |
| 273 | 573 | 359 | 75 | 75 x 10 | M16 x 60 |
| 324 | 624 | 410 | 75 | 75 x 10 | M16 x 60 |



FITTINGS FOR BEND PIPE/HORIZONTAL PIPE

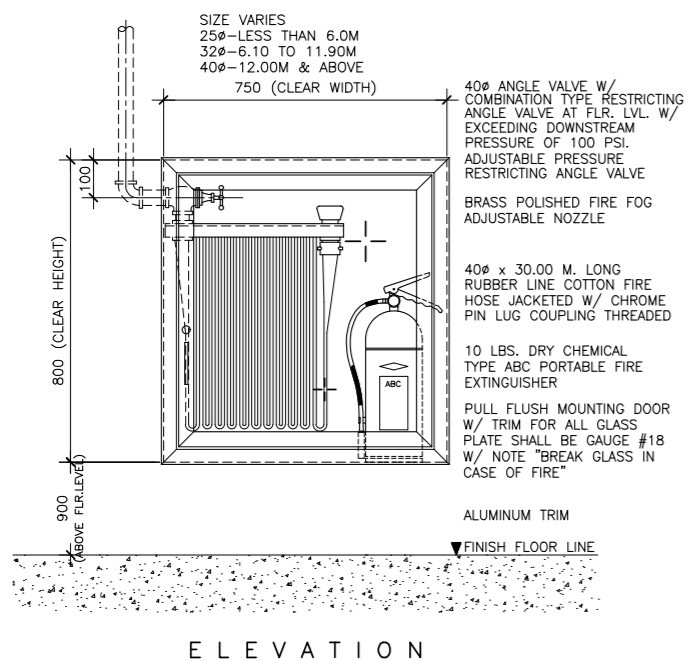
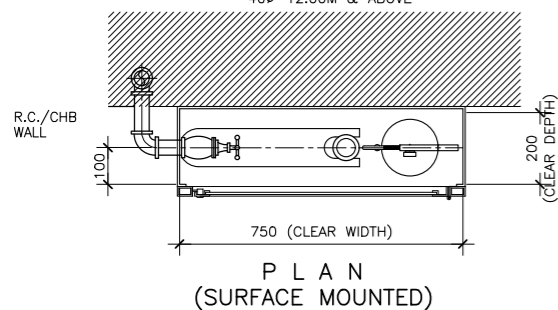
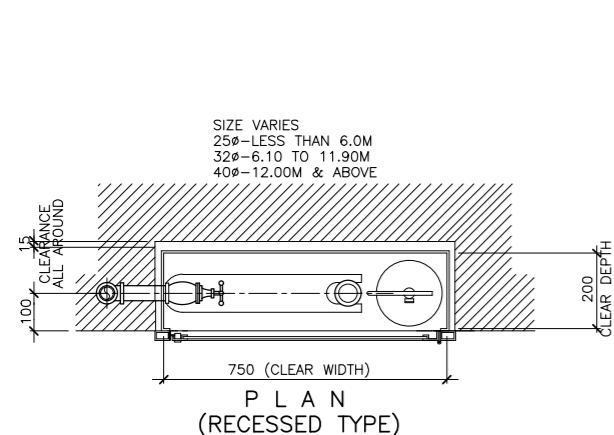


'W' x 'T' UNISTRUT VERTICAL PIPE CLAMP OR APPROVED EQUAL

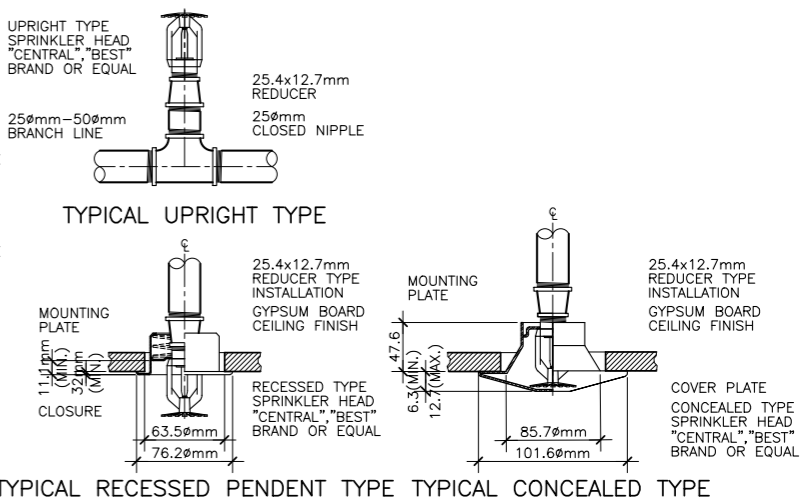
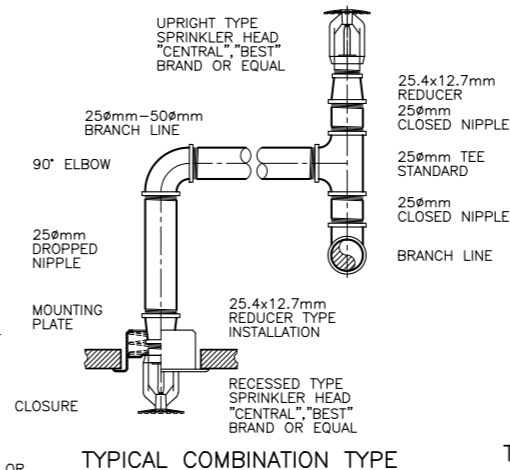
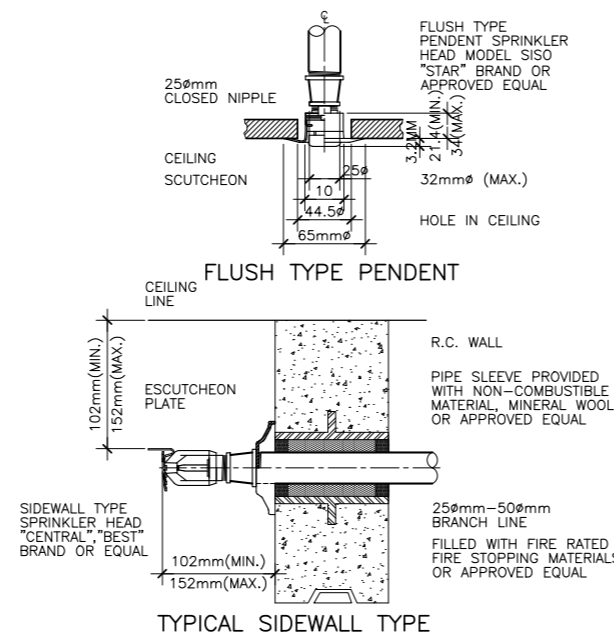


2 SPOT DETAIL
 FP-06 NOT TO SCALE

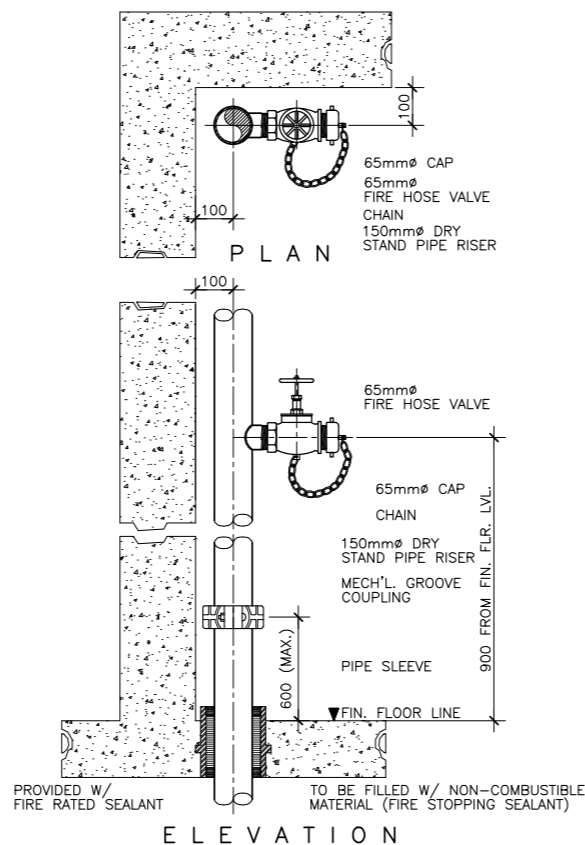
| | | | | | | | | |
|---|--|---|--|--|--|---|---|--|
| <p>ENRIQUE O. OLANON & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH ENRIQUE O. OLANON & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p> | DESIGNER: MELITON A. NAGUE PROFESSIONAL MECHANICAL ENGINEER PRC No. 4908 Validity: 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 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: <p>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</p> | RECOMMENDING APPROVAL: MERIAM F. FALLAR FAD CHIEF | APPROVED BY: EDWARD C. ALBARACIN CAMPUS DIRECTOR | SHEET CONTENTS: MISCELLANEOUS DETAILS SHEET 2 OF 4 | 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;">FP</div> <div style="font-size: 18px; font-weight: bold; margin-right: 5px;">06</div> <div style="font-size: 18px; font-weight: bold; margin-left: 5px;">08</div> </div> |
|---|--|---|--|--|--|---|---|--|



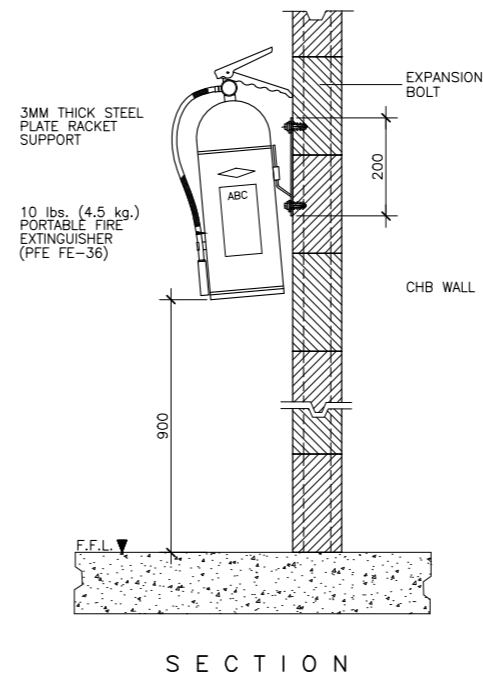
1 DETAIL OF FIRE HOSE CABINET
FP-07 SCALE 1:10 MTS.



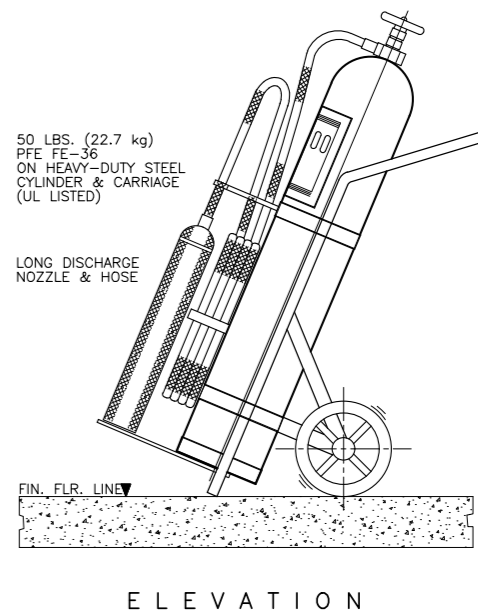
FP-07 DETAIL OF SPRINKLER HEADS
FP-13 SCALE 1:3 MTS.



3 DETAIL OF FIRE HOSE VALVE
FP-07 SCALE 1:10 MTS.

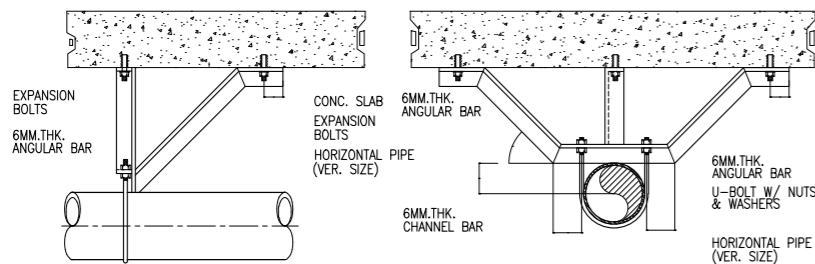
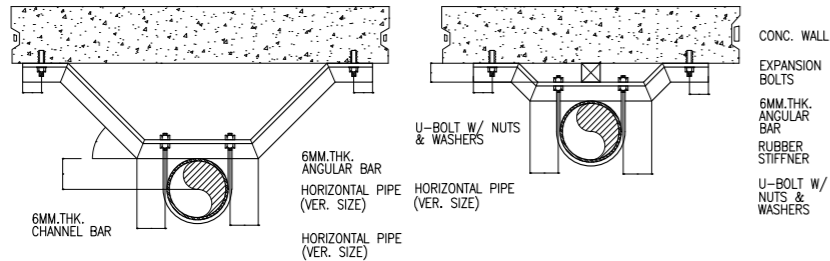
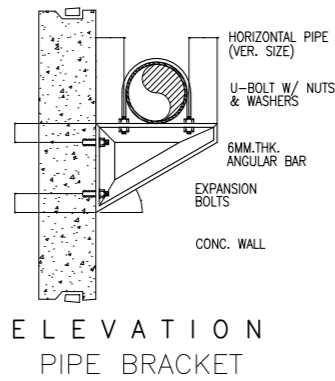


4 DETAIL OF 10 LBS. (4.5 KG) PORTABLE FIRE EXTINGUISHER
FP-07 NOT TO SCALE



5 DETAIL OF 50 lbs. FE-36 WHEELED TYPE PORTABLE FIRE EXTINGUISHER
FP-07 NOT TO SCALE

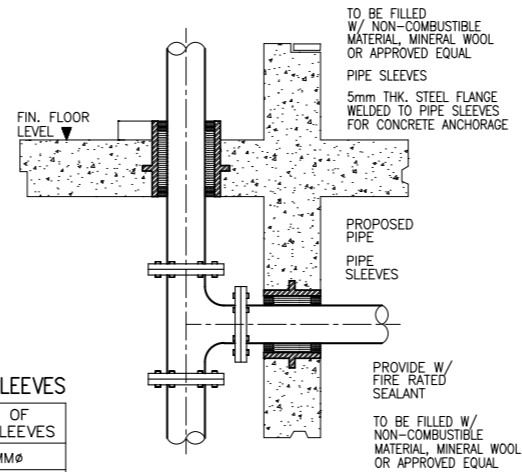
| PIPE SIZE | U-BOLT DIA. | ANGLE BAR | EXPANSION BOLT |
|-----------|-------------|-----------|----------------|
| 50 | 10 | 50 X 50 | 10 |
| 65 | 10 | 50 X 50 | 10 |
| 75 | 10 | 50 X 50 | 10 |
| 100 | 12 | 65 X 65 | 12 |



1 DETAIL OF SWAY BRACINGS
FP-08 NOT TO SCALE

| SIZE OF BRANCHLINES | SIZE OF PIPE SLEEVES |
|---------------------|----------------------|
| 25MM ϕ | 50MM ϕ |
| 32MM ϕ | 50MM ϕ |
| 40MM ϕ | 65MM ϕ |
| 50MM ϕ | 75MM ϕ |
| 65MM ϕ | 100MM ϕ |
| 75MM ϕ | 100MM ϕ |
| 100MM ϕ | 150MM ϕ |
| 150MM ϕ | 225MM ϕ |
| 200MM ϕ | 300MM ϕ |

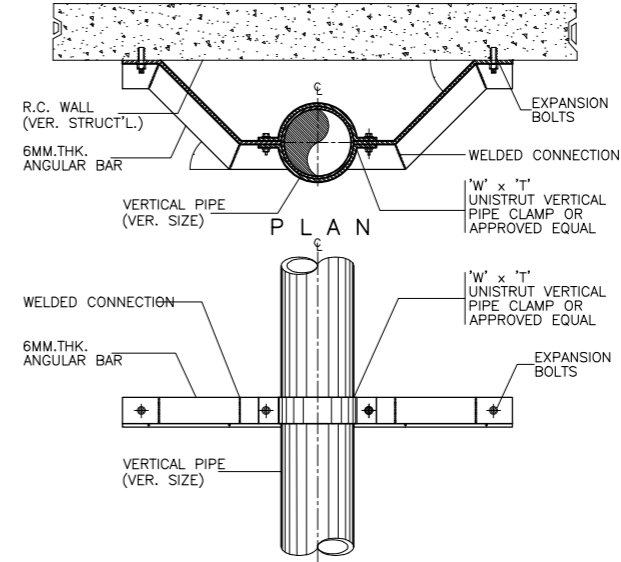
AS APPROVED. 380 VOLTS, 3 PHASE 60 HERTZ



NOTES :

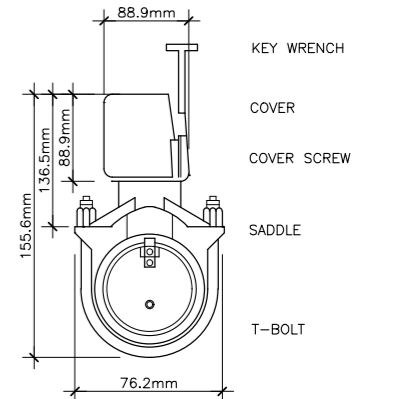
- SLEEVES SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THROUGH WALLS, FLOORS, PLATFORMS AND FOUNDATIONS.
- THE CLEARANCE BETWEEN THE PIPE SLEEVES SHALL BE FILLED W/NON-COMBUSTIBLE FLEXIBLE MATERIAL SUCH AS MINERAL WOOL, FIBERGLASS OR EQUIVALENT.
- MINIMUM CLEARANCE BETWEEN PIPE AND SLEEVES SHALL NOT 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

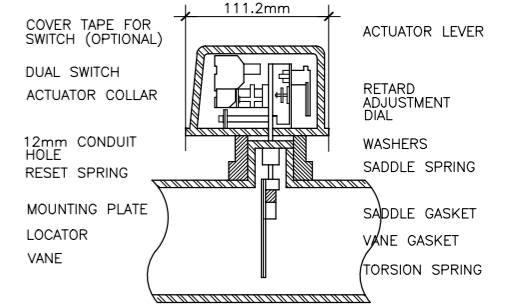


ELEVATION

4 DETAIL OF RISER SWAY BRACE
FP-08 NOT TO SCALE

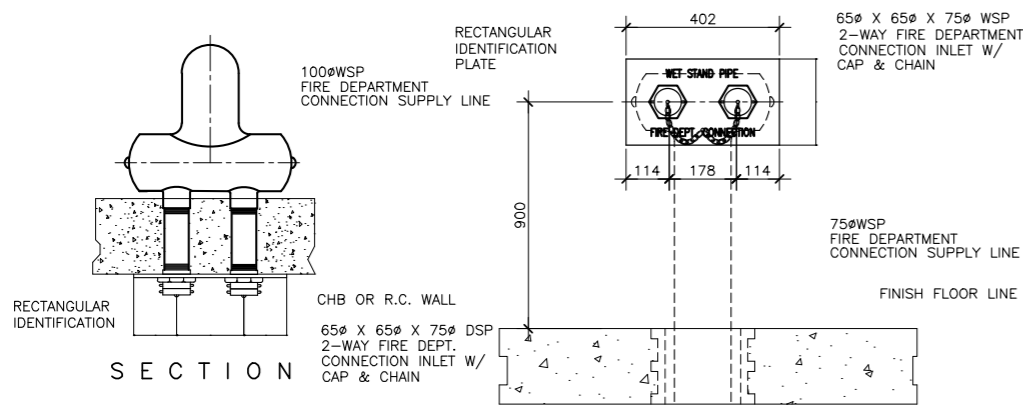


PLAN

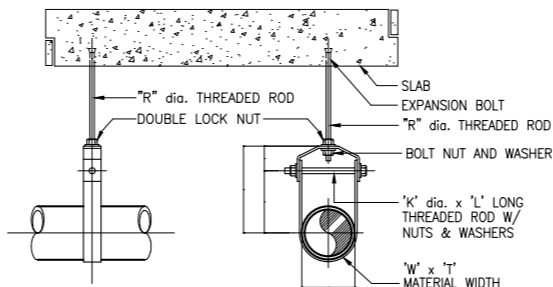


SECTION

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 | ROD DIA. "D" (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

- 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

| ABBREVIATIONS | | | | | | | |
|---------------|------------------------------|------|-------------------------------------|-----|---------------------------------|------|------------------------------------|
| 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

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 | | DUPLEX VOICE 4 DATA OUTLET, WALL MOUNT |
| | DATA OUTLET, CEILING MOUNT | | DUPLEX VOICE 4 DATA OUTLET, FLOOR MOUNT |
| | VOICE/PHONE OUTLET, WALL MOUNT | | TELECOM OUTLET, WI-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 |

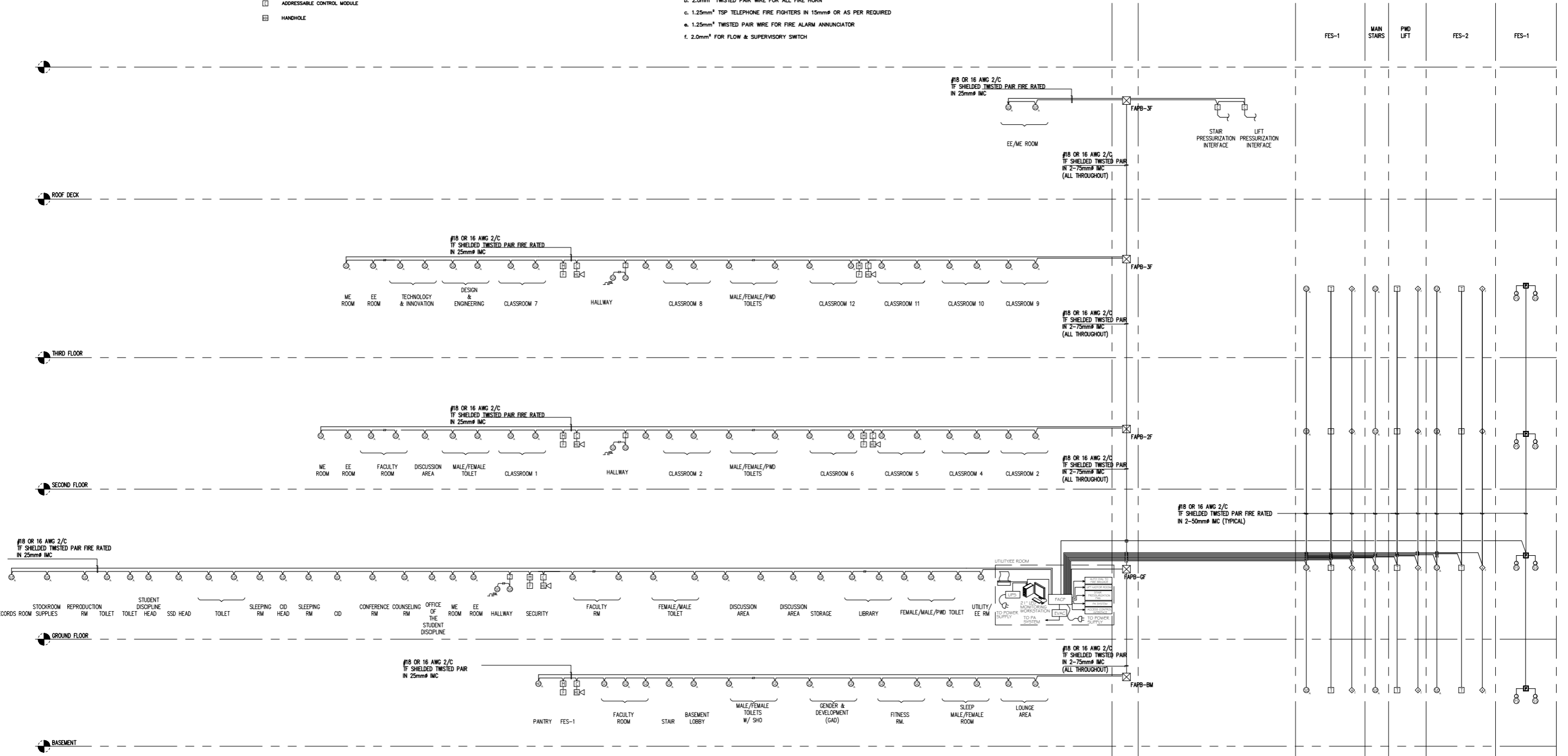
3 DRAWING SYMBOLS EC-1.0 SCALE: NTS

| | | | | | | | | |
|--|---|--|--|--|--|---|-----------------|--|
| ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS IN JOINT VENTURE WITH 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 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: | 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;"> EC 01 04 </div> </div> |
| | SORTEO: 106-351-490 | | | | | | | |

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 | TF THERMOPLASTIC COVERED FIBRE WIRE |
| ⊠ | ADDRESSABLE MONITOR MODULE FOR INPUT DEVICES | PVC POLYVINYL-CHLORIDE CONDUIT |
| ⊠ | FLOW SWITCH | UTP UNSHIELDED TWISTED PAIR |
| ⊠ | SUPERVISORY SWITCH | CAT CATEGORY |
| ⊠ | FIRE ALARM CONTROL PANEL | AFSS AUTOMATIC FIRE SUPPRESSION SYSTEM |
| ⊠ | LCD ANNUNCIATOR | WP WEATHERPROOF ENCLOSURE |
| ⊠ | 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:
 - 1.25mm² TWISTED PAIR WIRE IN 15mm² OR AS PER REQUIRED FOR ALL DETECTORS & MANUAL STATION
 - 2.0mm² TWISTED PAIR WIRE FOR ALL FIRE HORN
 - 1.25mm² TSP TELEPHONE FIRE FIGHTERS IN 15mm² OR AS PER REQUIRED
 - 1.25mm² TWISTED PAIR WIRE FOR FIRE ALARM ANNUNCIATOR
 - 2.0mm² FOR FLOW & SUPERVISORY SWITCH



ACADEMIC BUILDING II
FDAS SYSTEM RISER DIAGRAM
 EC-2.1 SCALE: N.T.S.

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

SUITE 305
 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS
 QUEZON CITY, 1108
 TEL. NO.: 426 7009;
 426 3024
 FAX NO.: 922 6608;
 426 7214

| | |
|---|---|
| DESIGNER: | REPUBLIC ACT 9266 |
| EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER | 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. |
| PRC No. 0000494 | Validity: 12/13/2022 |
| PTR No. 0703592 | Date: 01/04/2021 |
| Place: QUEZON CITY | TIN: 106-351-490 |

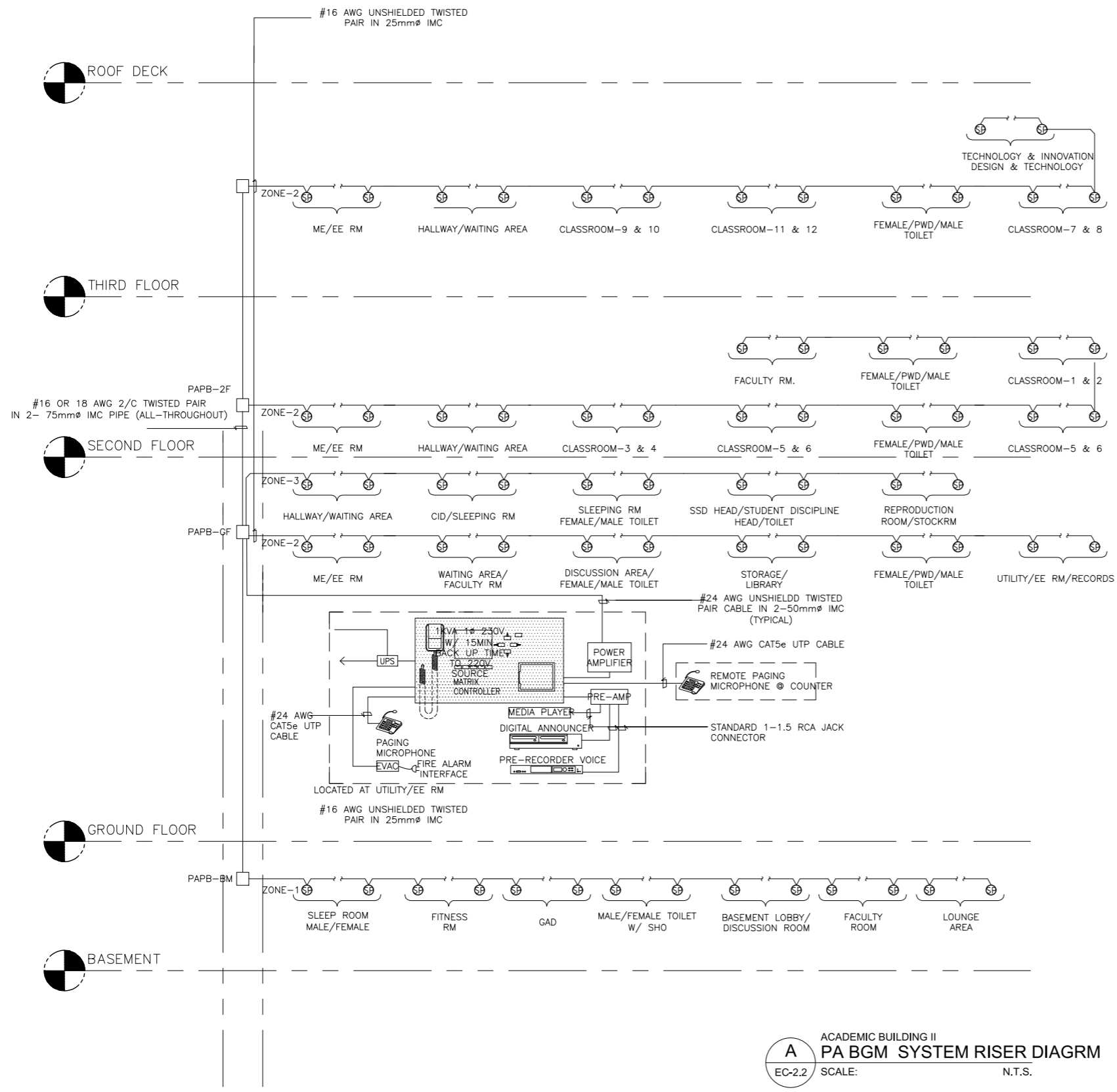
PROJECT: PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

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

| | |
|--------------------------------------|---|
| RECOMMENDING APPROVAL: | APPROVED BY: |
| MERIAM F. FALLAR FAD CHIEF | EDWARD C. ALBARACIN CAMPUS DIRECTOR |

| | |
|---|---------------------|
| SHEET CONTENTS: | SHEET NO.: |
| FIRE DETECTION AND ALARM SYSTEM RISER DIAGRAM | EC 2.1 04 |



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

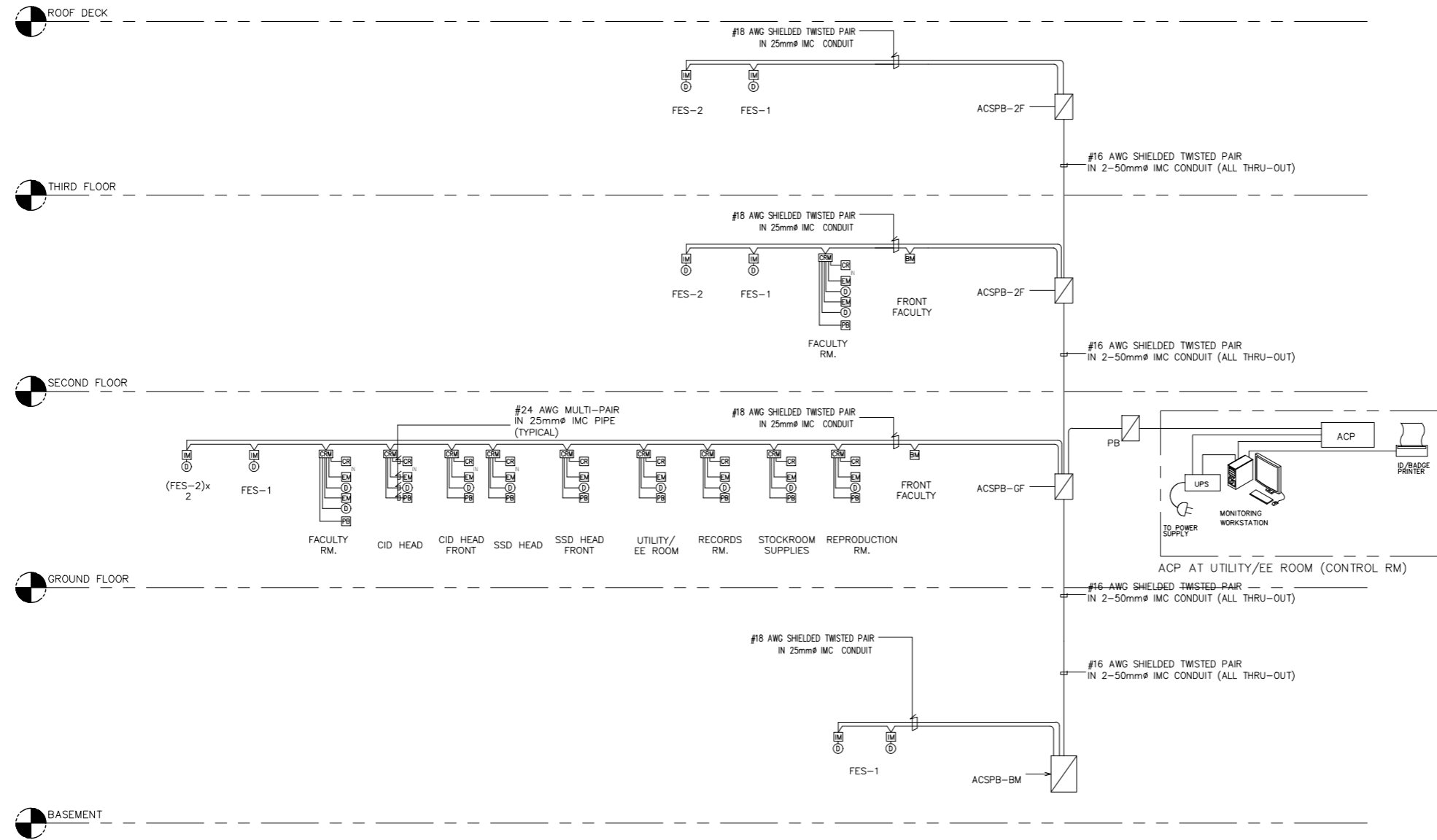
- 6W CEILING MOUNTED SPEAKER
- 10W WALL MOUNTED SPEAKER
- 250mm(W)x250mm(H)x150mm(D) PULLBOX
- UNINTERRUPTIBLE POWER SUPPLY

ABBREVIATIONS

- FCC FIRE COMMAND CENTER
- AWG AMERICAN WIRE GAUGE
- TF THERMOPLASTIC COVERED FIXTURE WIRE

A
 EC-2.2 ACADEMIC BUILDING II
 PA BGM SYSTEM RISER DIAGRM
 SCALE: N.T.S.

| | | | | | | | | |
|--|--|--|---|--|--|---|---|--|
| <p>ENRIQUE O. OLONAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS</p> <p><small>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</small></p> <p>ENRIQUE O. OLONAN & ASSOCIATES, CO. ARCHITECTS ENGINEERS CONSULTANTS</p> | DESIGNER: EFREN T. PINEDA PROFESSIONAL ELECTRONICS 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 PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF ARCHITECT OR AUTHOR OF SAID DOCUMENT.</small> | PROJECT: <p style="text-align: center;">PROPOSED ACADEMIC BUILDING II</p> | DESIGNED FOR: <p style="text-align: center;"><small>REPUBLIC OF THE PHILIPPINES PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGIONAL CAMPUS</small></p> | RECOMMENDING APPROVAL: <p style="text-align: center;">MERIAM F. FALLAR FAD CHIEF</p> | APPROVED BY: <p style="text-align: center;">EDWARD C. ALBARACIN CAMPUS DIRECTOR</p> | SHEET CONTENTS: <p style="text-align: center;">PA BGM SYSTEM RISER DIAGRAM</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;"> <p>EC</p> <p>2.2 04</p> </div> </div> |
| | <small>PRC No. 0000494 Validity: 12/13/2022 PTR No. 0703592 Date: 01/04/2021 Place: QUEZON CITY TIN: 106-351-490</small> | | | | | | | |



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) PULLBOX
- DACP 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
ACCESS CONTROL SYSTEM RISER DIAGRM
 EC-2.3 SCALE: N.T.S.


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 NO. 38 XAVIERVILLE
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| | |
|--|----------------------|
| DESIGNER: EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER | |
| PRC No. 0000494 | Validity: 12/13/2022 |
| PTR No. 0703592 | Date: 01/04/2021 |
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PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

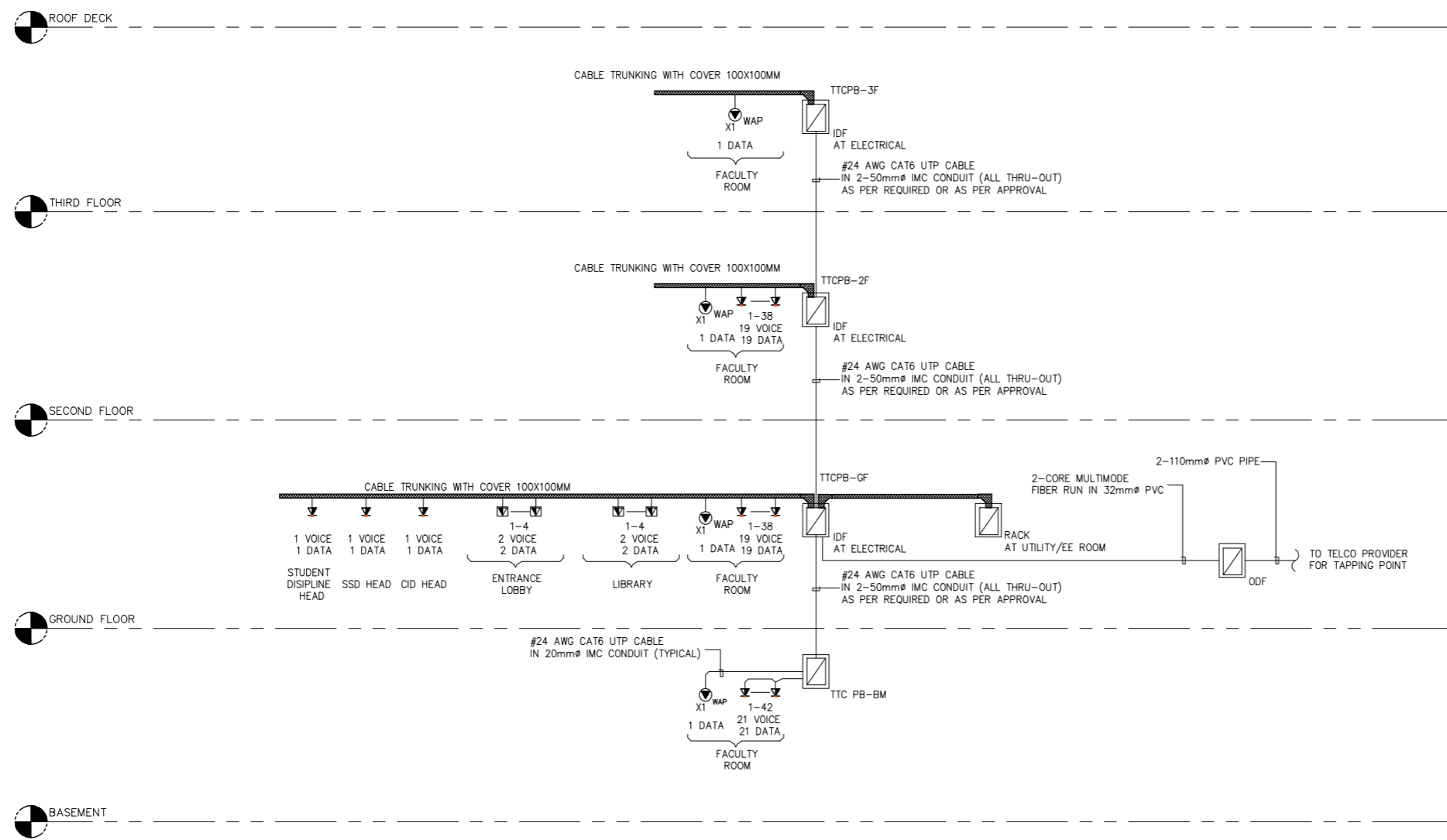
DESIGNED FOR:

 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:
 ACCESS CONTROL SYSTEM
 RISER DIAGRAM

SHEET NO:




| 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
STRUCTURAL CABLING SYSTEM RISER DIAGRAM
 EC-2.4 SCALE: N.T.S.

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| | |
|---|----------------------|
| DESIGNER: | |
| EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER | |
| PRC No. 0000494 | Validity: 12/13/2022 |
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PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

 REPUBLIC OF THE PHILIPPINES
 PHILIPPINE SCIENCE HIGH SCHOOL -
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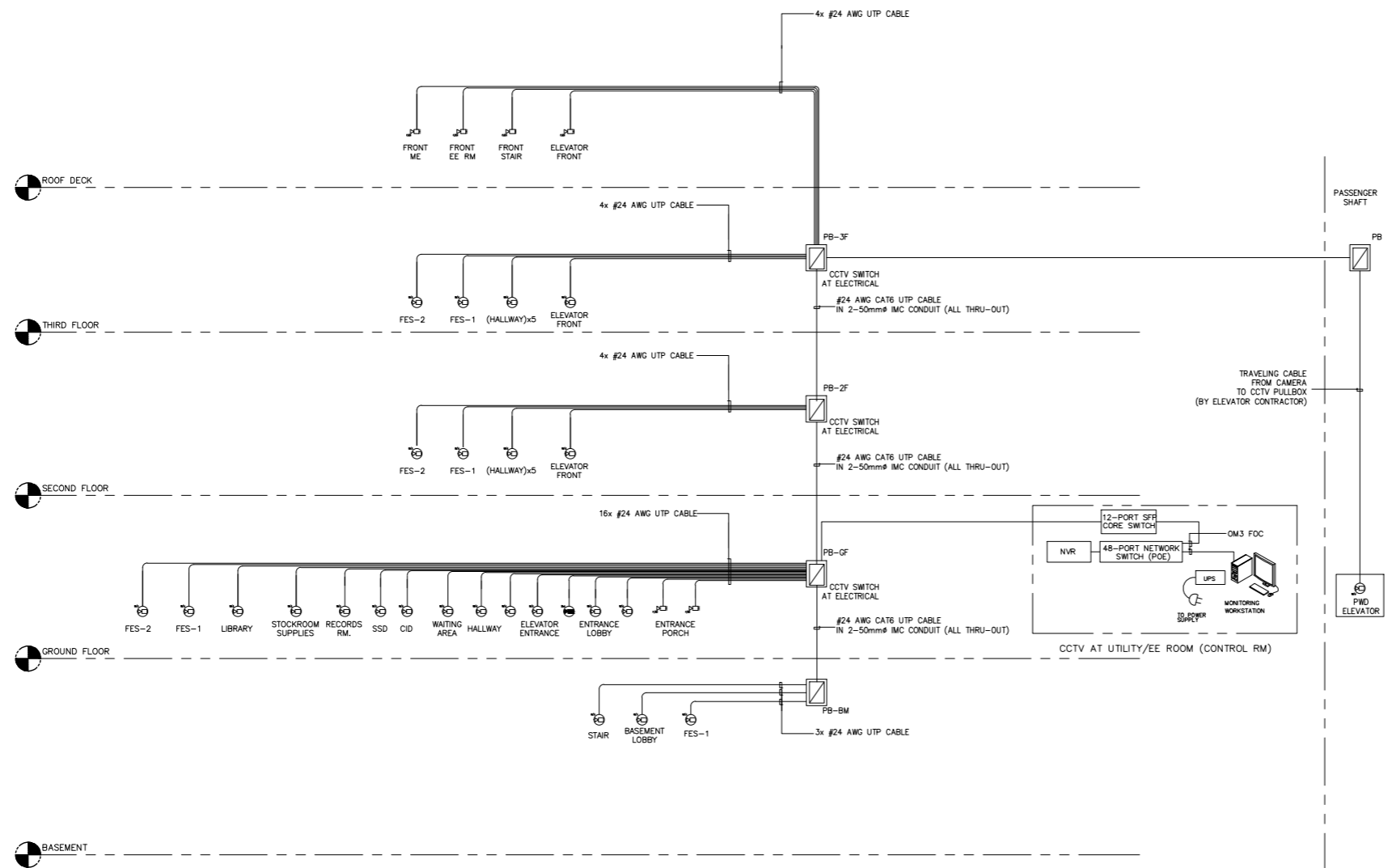
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 STRUCTURAL CABLING SYSTEM RISER DIAGRAM

SHEET NO:

EC
 2.4 04



| LEGENDS | DESCRIPTION |
|----------------|---|
| [NVR] | NETWORK VIDEO RECORDER |
| [UPS] | 1kVA 230V, 1ϕ 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 |
| [Junction Box] | JUNCTION BOX, CEILING MOUNTED |
| [Junction Box] | JUNCTION BOX, WALL MOUNTED |
| [CCTV IDF] | CCTV IDF CABINET [400(H)x600(W)x600(D)]MM |
| [Pullbox] | PULLBOX (250x250x150)MM |

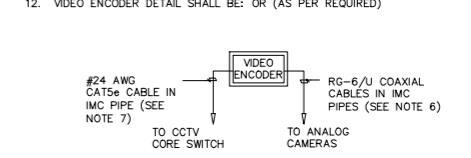
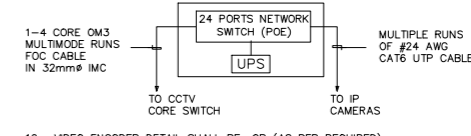
ABBREVIATIONS

| | |
|------|-------------------------------|
| 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:
1. THE PURPOSE OF THIS SCHEMATIC IS TO PROVIDE THE GENERAL CONCEPT AND PRINCIPLE OF THE PROPOSED CCTV SURVEILLANCE SYSTEM.
 2. EQUIPMENT AND DEVICES REFLECTED ON THE PLANS ARE INDICATIVE ONLY. REFER TO FLOOR PLAN LAYOUT FOR EXACT LOCATION AND QUANTITY.
 3. 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.
 4. CCTV SWITCH MONITORING & VIDEO MANAGEMENT SERVER NETWORK VIDEO RECORDER SHALL BE MOUNTED ON CCTV RACK LOCATED AT SECURITY ROOM.
 5. 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.
 6. VIDEO ENCODERS SHALL BE HOUSED INSIDE NEW NEMA IP65 APPROVED ENCLOSURE AT ELV. ROOMS. SEE LAYOUT ROOMS FOR LOCATION.
 7. 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 |

8. CCTV SWITCH SHALL BE POE CAPABLE AND SHALL BE CONNECTED TO A UPS.
9. UPS RATING SHALL BE CONFIRMED UPON ACTUAL REQUIREMENTS OF APPROVED BRAND/EQUIPMENT/ DEVICES TO BE USED.
10. CCTV CAMERA EXPOSED IN WEATHER CONDITION MUST BE IN A WEATHERPROOF ENCLOSURE,
11. CCTV IDF SHALL BE: OR (AS PER REQUIRED)



A ACADEMIC BUILDING II
EC-2.5 CCTV SYSTEM RISER DIAGRAM
 SCALE: N.T.S.

ENRIQUE O. OLONAN & ASSOCIATES
 ARCHITECTS ENGINEERS CONSULTANTS
 SUITE 305 XAVIERVILLE SQUARE CONDOMINIUM NO. 38 XAVIERVILLE AVE., LOYOLA HEIGHTS, QUEZON CITY, 1108
 TEL. NO: 426 7009; 426 30244; FAX NOS: 927 6608; 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 |

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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:

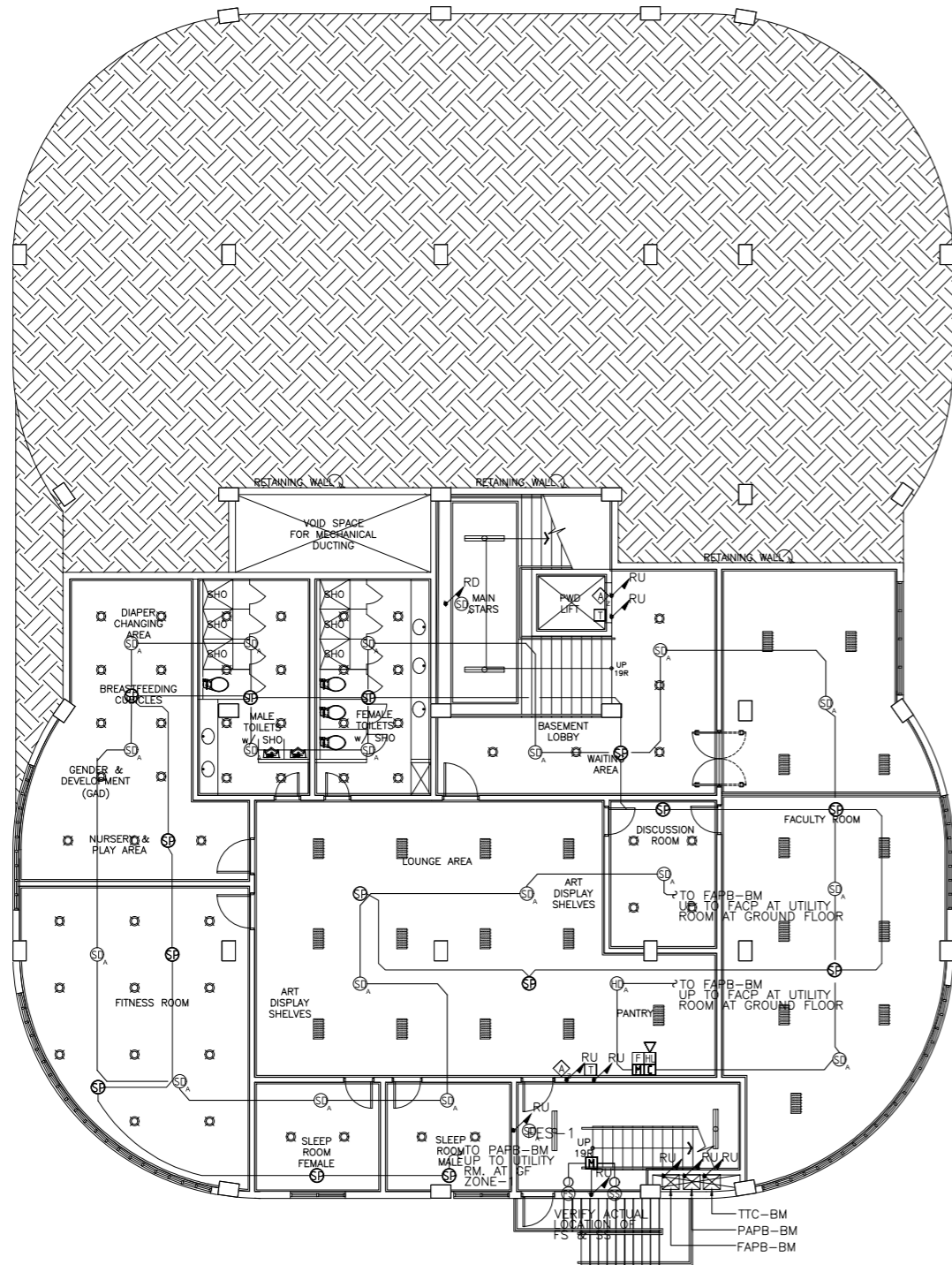
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

SHEET CONTENTS:

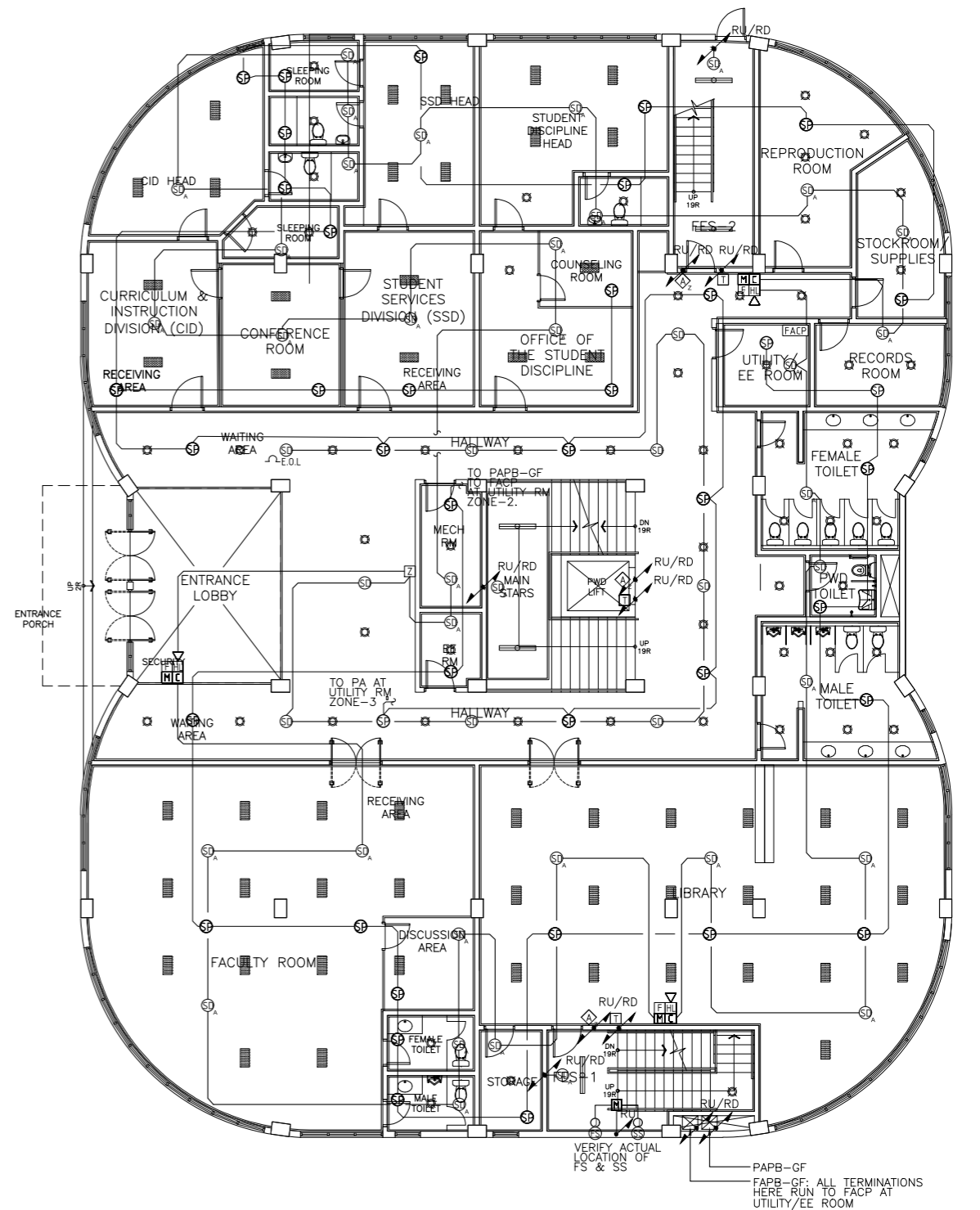
CCTV SYSTEM RISER DIAGRAM

SHEET NO:

EC
2.5 04



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 90244; FAX NOS: 927 0606; 426 7214
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PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

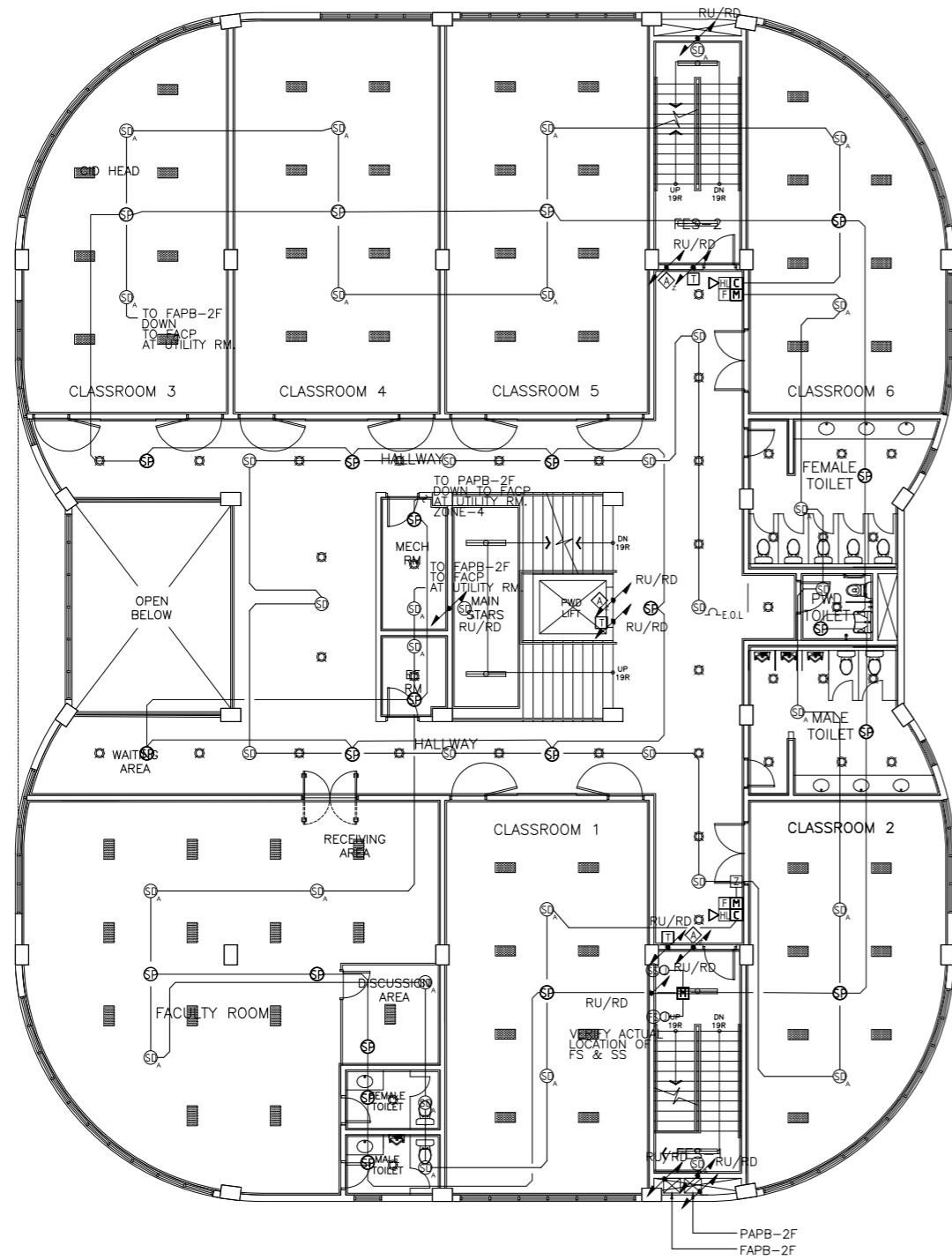
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RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

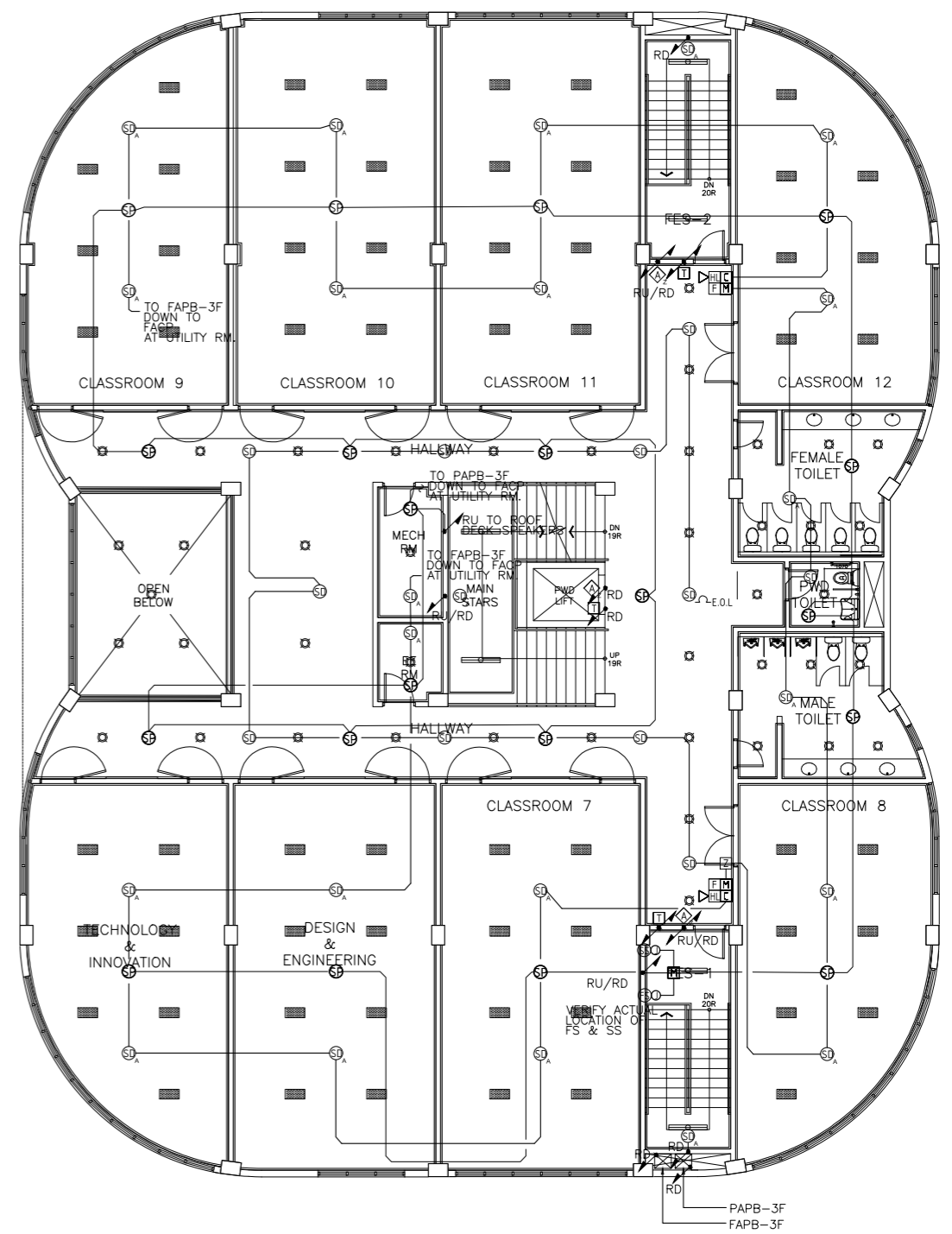
APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

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



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

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SUITE 305
 XAVIERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVIERVILLE
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 QUEZON CITY, 1108
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PROJECT:

**PROPOSED
 ACADEMIC BUILDING II**

LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:



RECOMMENDING APPROVAL:

MERIAM F. FALLAR
 FAD CHIEF

APPROVED BY:

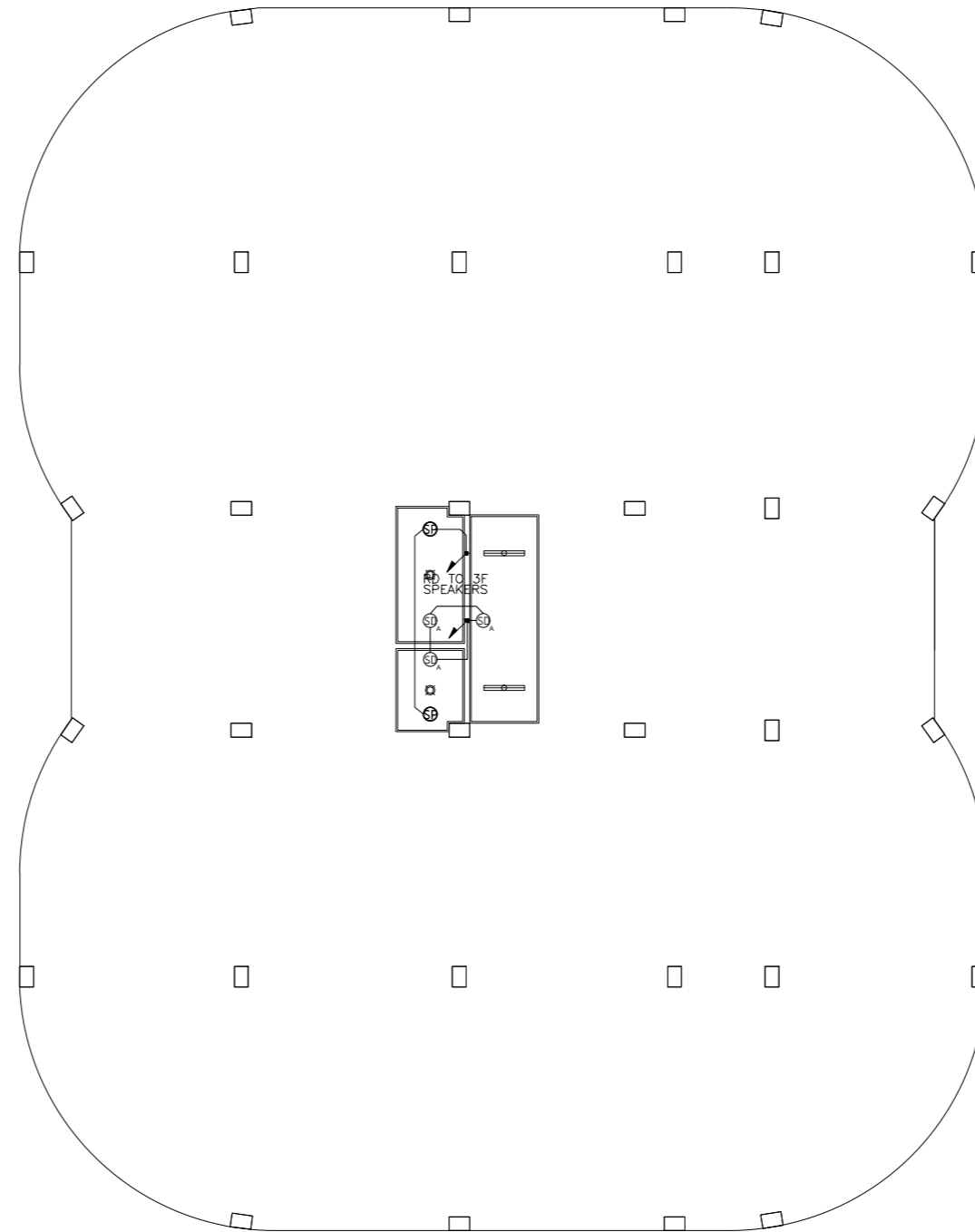
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 CAMPUS DIRECTOR

SHEET CONTENTS:




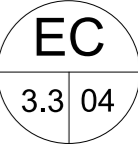
SECOND FLOOR REFLECTED CEILING PLAN
 FDAS AND PA BGM SYSTEM
 THIRD FLOOR REFLECTED CEILING PLAN
 FDAS AND PA BGM SYSTEM

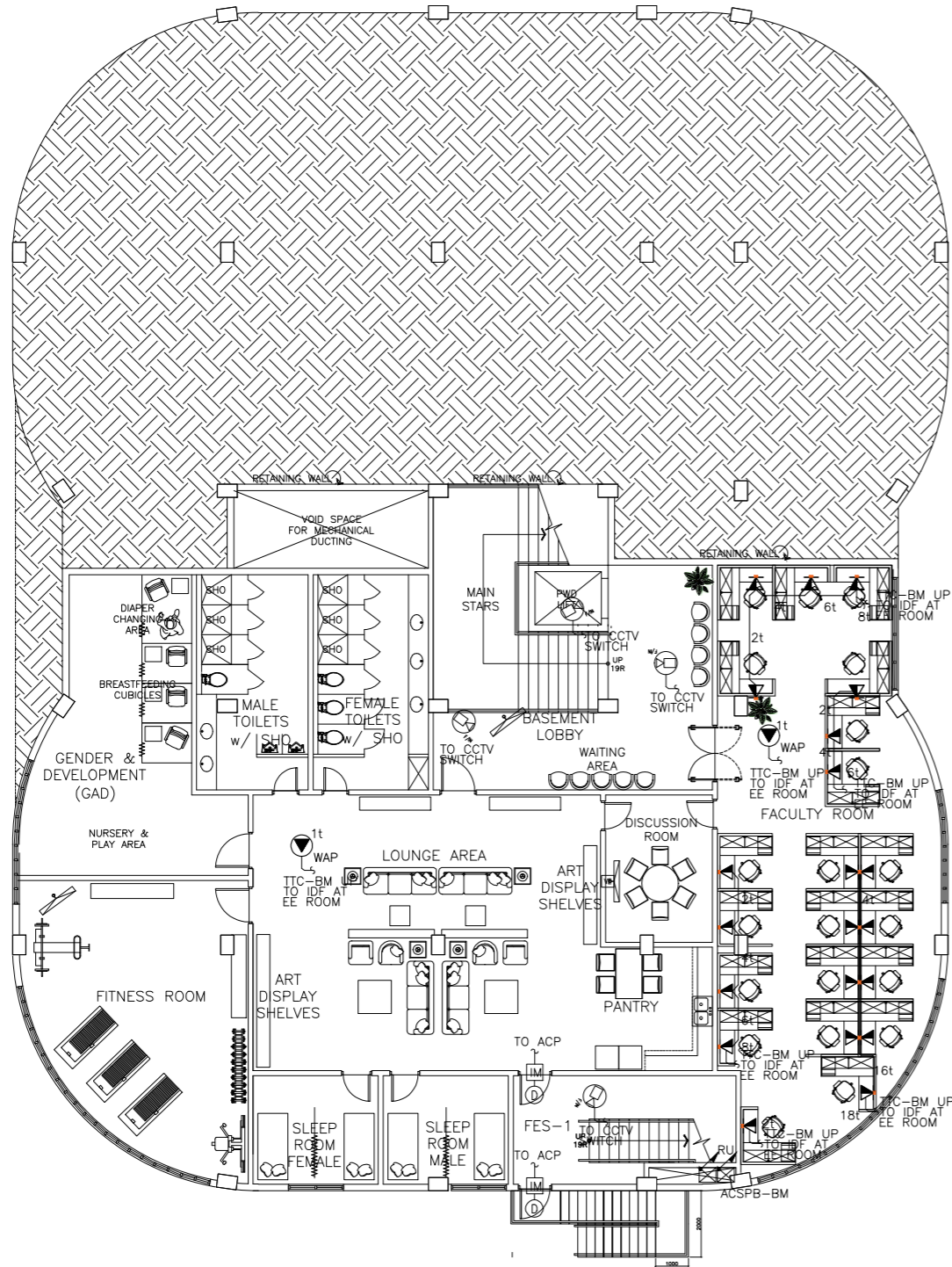
SHEET NO:

EC
 3.2 04

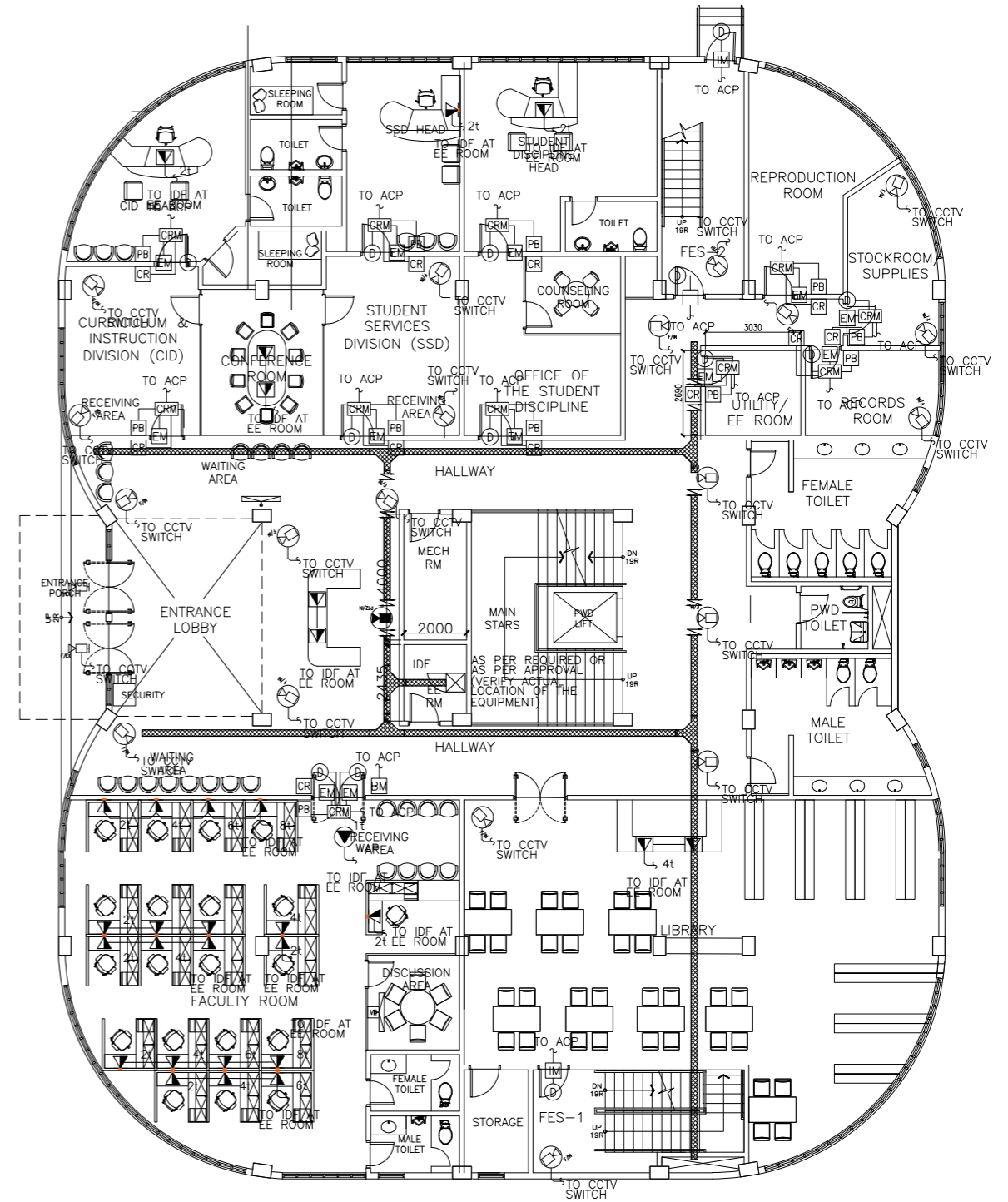


A ACADEMIC BUILDING II
EC-3.3 ROOF DECK REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM
 SCALE: 1:100m

| | | | | | | | | | |
|--|--|--|---|---|--|---|--|--|---|
|  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., LOYOLA HEIGHTS, QUEZON CITY, 1108 TEL. NOS: 426 7009; 426 30244 FAX NOS: 927 6608; 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, 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 REFLECTED CEILING PLAN FDAS AND PA BGM SYSTEM | SHEET NO:  |
|--|--|--|---|---|--|---|--|--|---|



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


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 XAVERVILLE SQUARE
 CONDOMINIUM
 NO. 38 XAVERVILLE
 AVE., LOYOLA HEIGHTS
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DESIGNER:
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 PRC No. 0000494 Validity: 12/13/2022
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PROJECT:
**PROPOSED
 ACADEMIC BUILDING II**
 LOCATION: Brgy. Rizal, Odiongan, Romblon

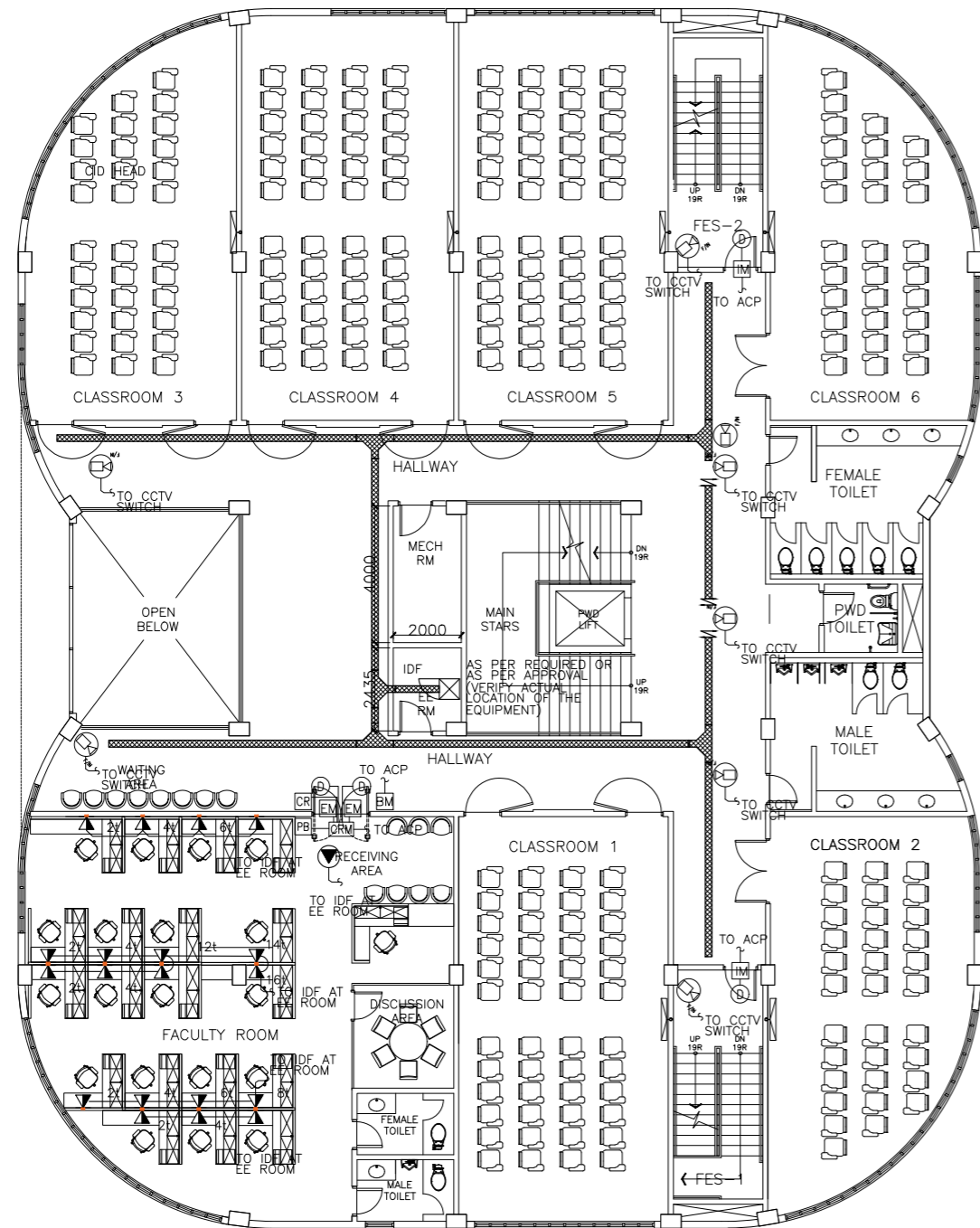
DESIGNED FOR:

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 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

RECOMMENDING APPROVAL:
MERIAM F. FALLAR
 FAD CHIEF

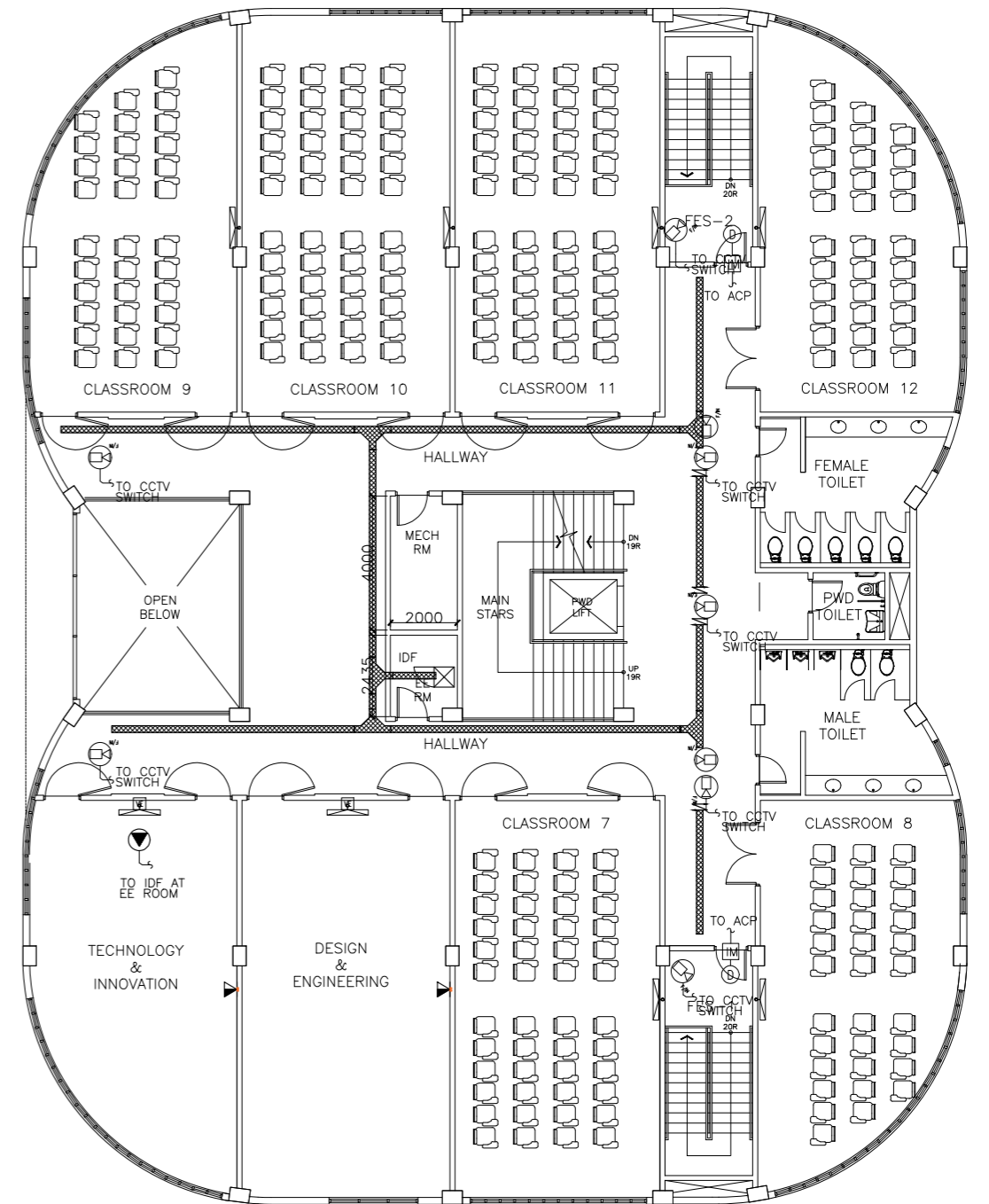
APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 BASEMENT FLOOR PLAN
 ACS, CCTV, CATV AND TELCO SYSTEM
 GROUND FLOOR PLAN
 ACS, CCTV, CATV AND TELCO SYSTEM

SHEET NO:
EC
3.4 04



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

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 NO. 38 XAVIERVILLE
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DESIGNER:
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 PRC No. 0000494 Validity: 12/13/2022
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PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

DESIGNED FOR:

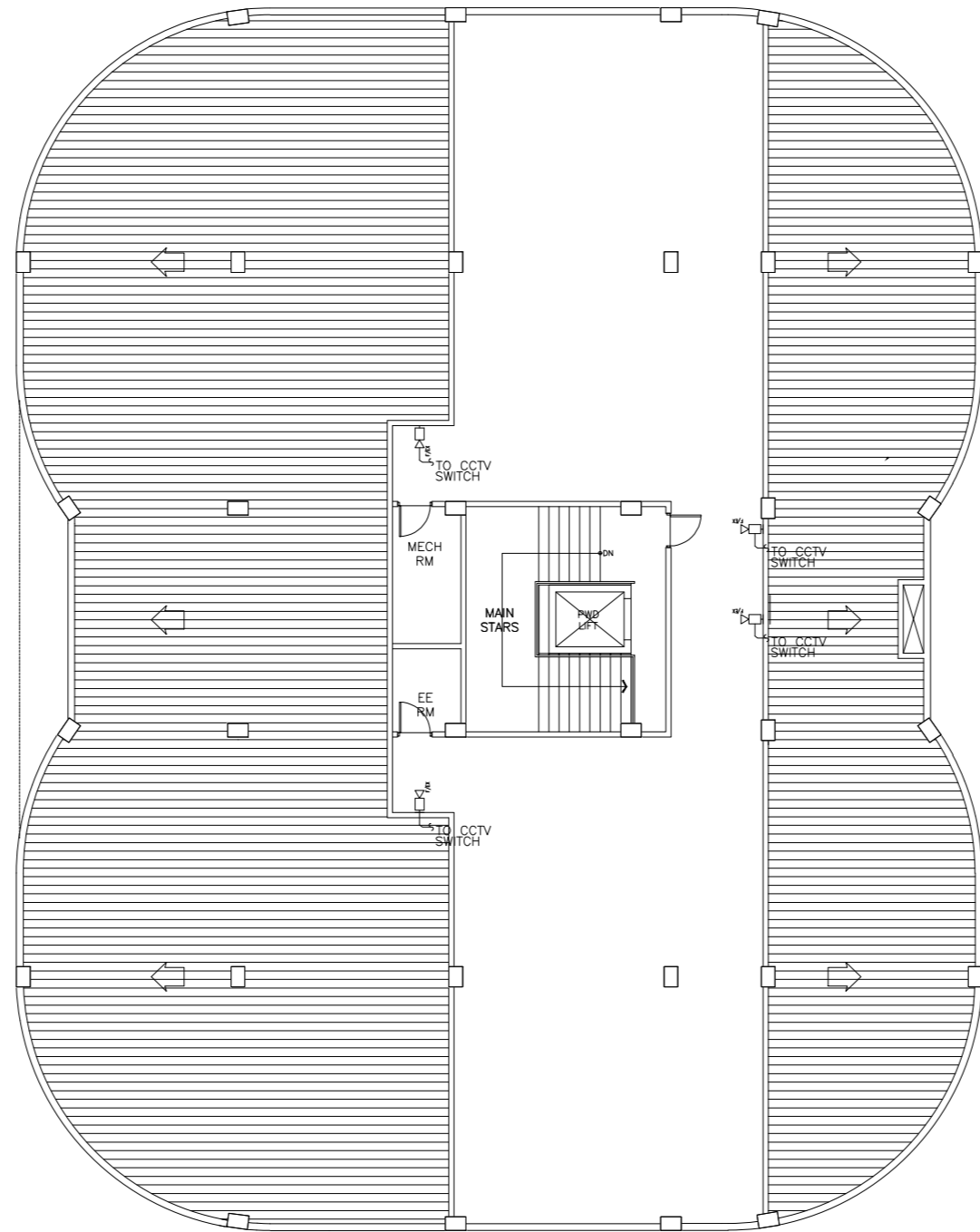
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 PHILIPPINE SCIENCE HIGH SCHOOL -
 MIMAROPA REGIONAL CAMPUS

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


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 AVENUE, LONVOLA HEIGHTS,
 QUEZON CITY, 1108
 TEL. NOS: 426 7009;
 426 3003-04
 FAX NOS: 927 6608;
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DESIGNER:
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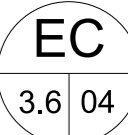
PROJECT:
PROPOSED ACADEMIC BUILDING II
 LOCATION: Brgy. Rizal, Odiongan, Romblon

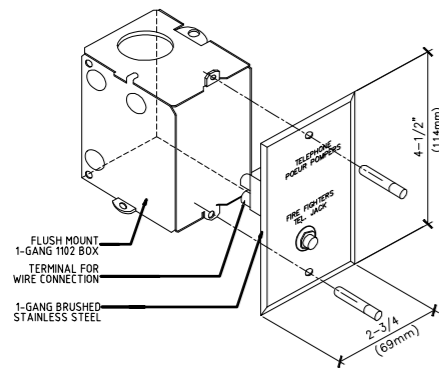
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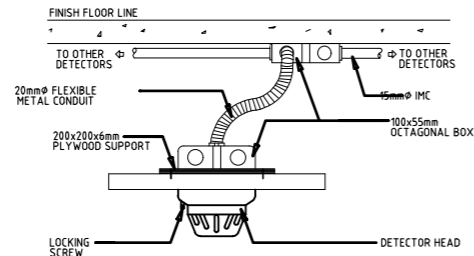
APPROVED BY:
EDWARD C. ALBARACIN
 CAMPUS DIRECTOR

SHEET CONTENTS:
 ROOF DECK PLAN
 CCTV LAYOUT

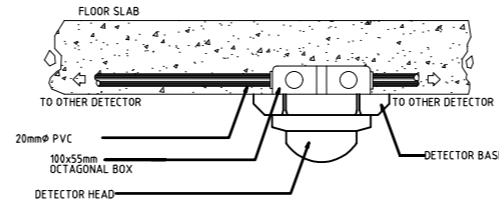
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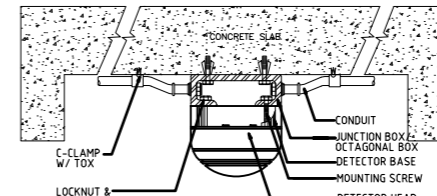
1 FDAS MOUNTING DETAILS
FIREMAN'S TEL JACK
EC-4.1 SCALE: N.T.S.



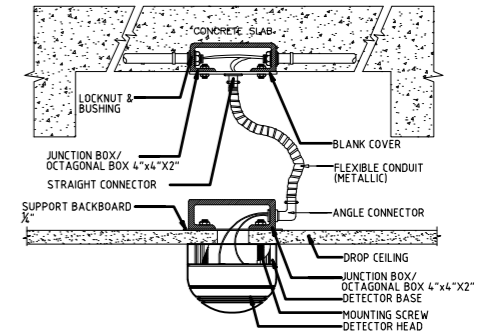
2 FDAS FLUSH-MOUNTING DETAILS
TYPICAL DETECTOR
EC-4.1 SCALE: N.T.S.



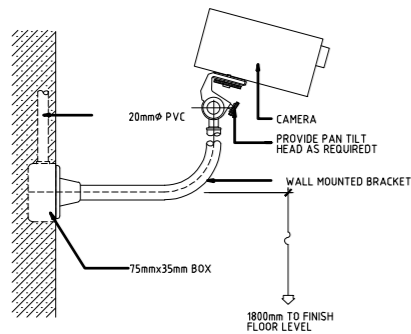
3 FDAS SURFACE-MOUNTING DETAILS
TYPICAL DETECTOR
EC-4.1 SCALE: N.T.S.



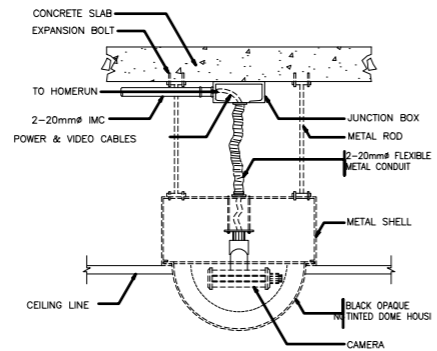
4 FDAS HEAT/SMOKE MOUNTING DETAILS
EXPOSED CONDUIT
EC-4.1 SCALE: N.T.S.



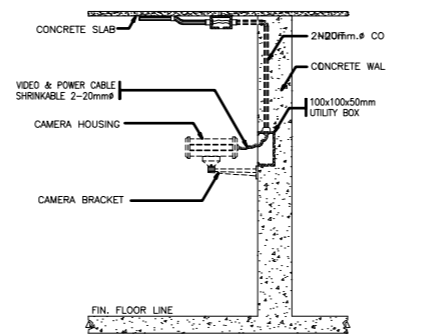
5 FDAS HEAT/SMOKE MOUNTING DETAILS
EMBEDDED CONDUIT
EC-4.1 SCALE: N.T.S.



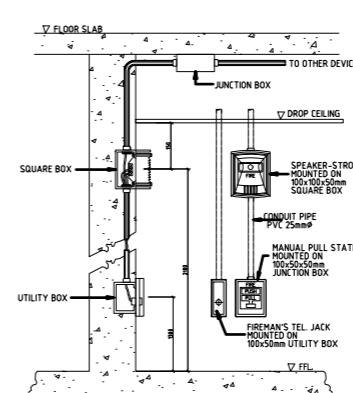
6 CCTV MOUNTING DETAILS
WALL MOUNT 1
EC-4.1 SCALE: N.T.S.



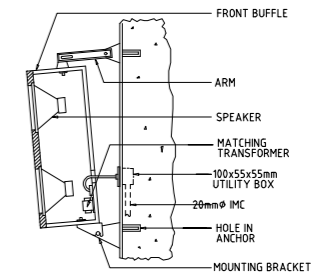
7 CCTV MOUNTING DETAILS
CEILING MOUNTED
EC-4.1 SCALE: N.T.S.



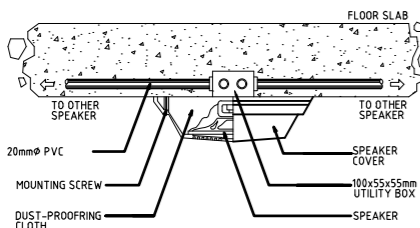
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WALL MOUNT 2
EC-4.1 SCALE: N.T.S.



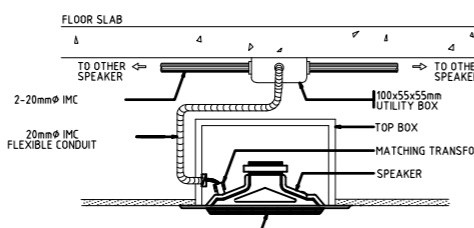
9 FDAS MOUNTING DETAILS
SOUNDER & MANUAL PULL
EC-4.1 SCALE: N.T.S.



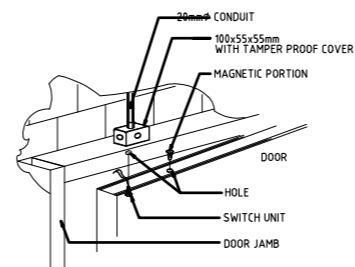
10 LOUDSPEAKER MOUNTING DETAILS
SIDE/COLUMN MOUNTED
EC-4.1 SCALE: N.T.S.



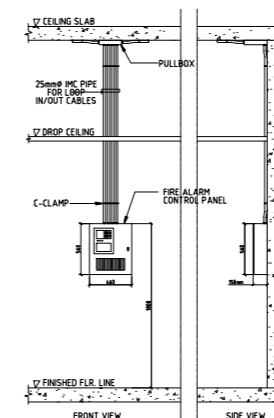
11 SPEAKER MOUNTING DETAILS
CEILING SPEAKER 1
EC-4.1 SCALE: N.T.S.



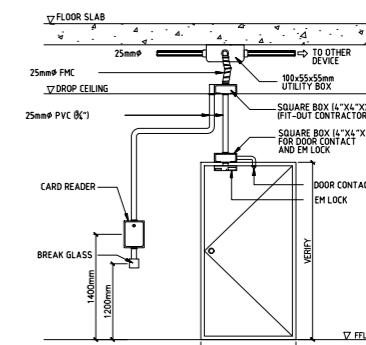
12 SPEAKER MOUNTING DETAILS
CEILING SPEAKER 2
EC-4.1 SCALE: N.T.S.



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

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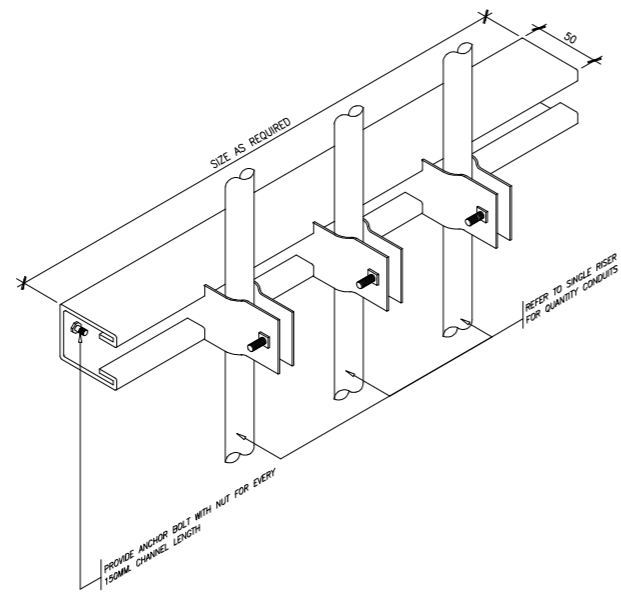
PROJECT:
PROPOSED ACADEMIC BUILDING II
LOCATION: Brgy. Rizal, Odiongan, Romblon

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

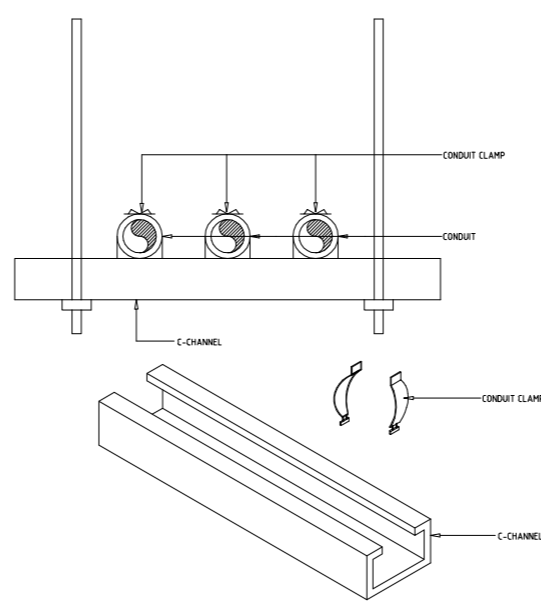
RECOMMENDING APPROVAL:
MERIAM F. FALLAR
FAD CHIEF

APPROVED BY:
EDWARD C. ALBARACIN
CAMPUS DIRECTOR

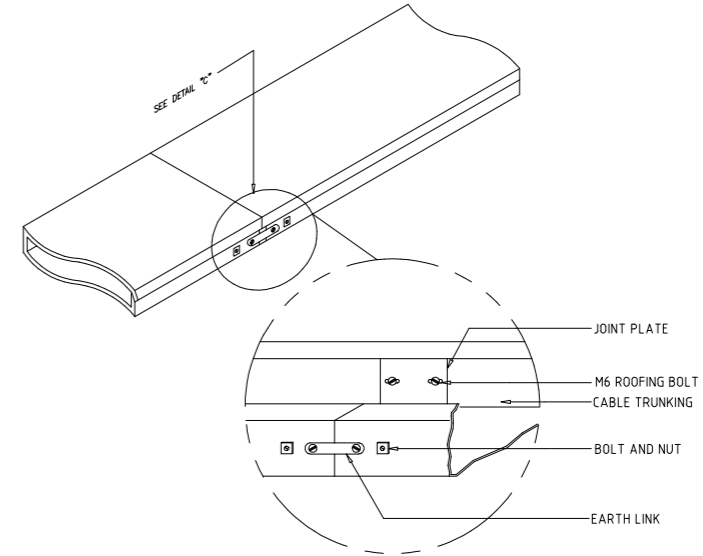
SHEET CONTENTS:
MISCELLANEOUS DETAILS-1
SHEET NO:
EC 4.1 04



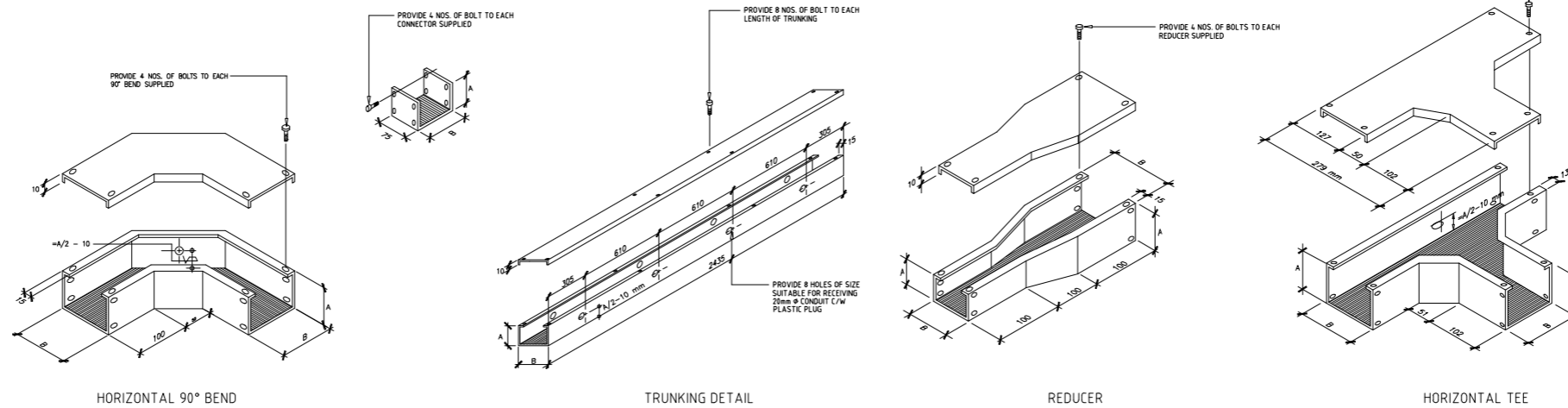
1 TELECOMS TYPICAL
CONDUIT RISER DETAIL
EC-4.2 SCALE: N.T.S.



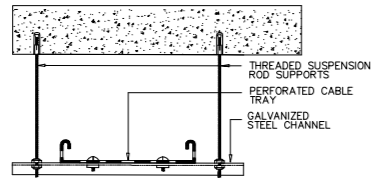
2 TELECOMS TYPICAL
CONDUIT SUPPORT DETAIL
EC-4.2 SCALE: N.T.S.



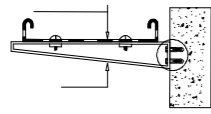
3 TELECOMS TYPICAL
CABLE TRUNKING DETAIL
EC-4.2 SCALE: N.T.S.



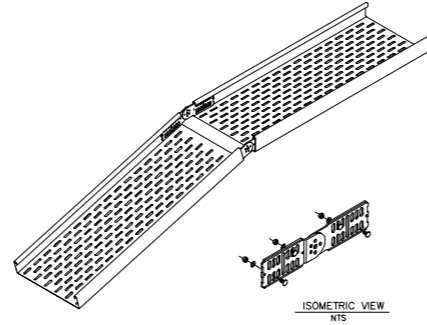
4 FDAS HEAT/SMOKE MOUNTING DETAILS
CABLE TRUNKING AND CONDUIT SUPPORT DETAIL
EC-4.2 SCALE: N.T.S.



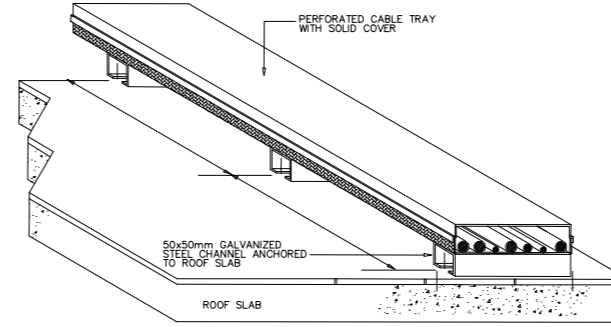
1 TELECOMS TYPICAL CABLE TRAY
SUSPENDED FROM CEILING SLAB
EC-4.3 SCALE: N.T.S.



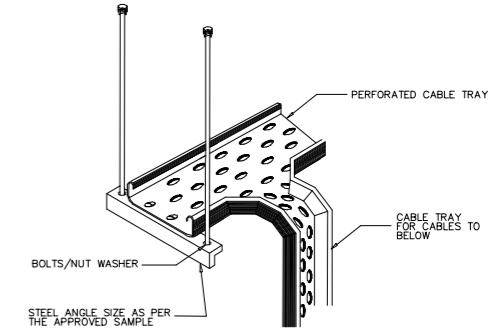
2 TELECOMS TYPICAL CABLE TRAY
WITH WALL-MOUNT SUPPORT
EC-4.3 SCALE: N.T.S.



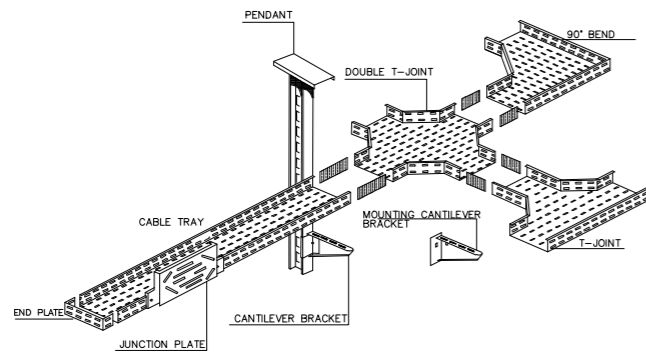
3 TELECOMS TYPICAL CABLE TRAY
WITH CHANGE OF ELEVATION
EC-4.3 SCALE: N.T.S.



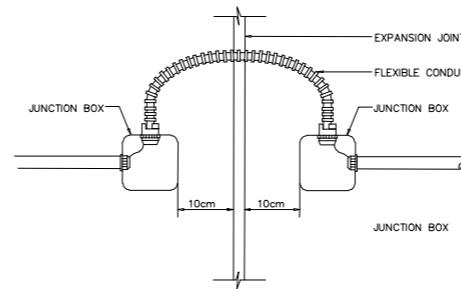
4 TELECOMS TYPICAL CABLE TRAY
WITH WALL-MOUNT SUPPORT
EC-4.3 SCALE: N.T.S.



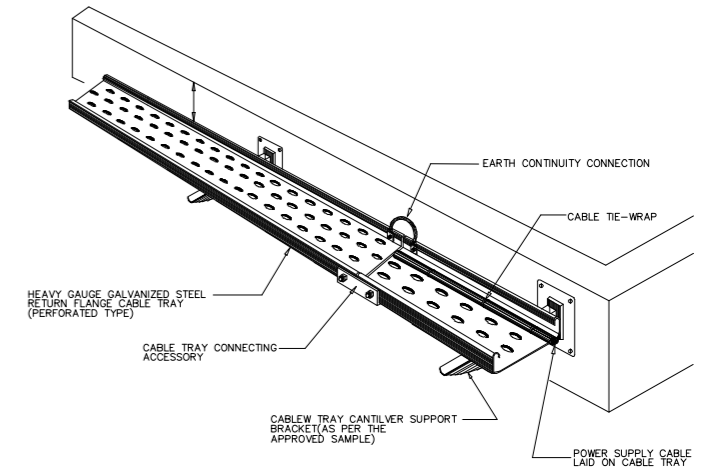
5 TELECOMS TYPICAL CABLE TRAY
CABLE DROP-OFF
EC-4.3 SCALE: N.T.S.



6 TELECOMS TYPICAL CABLE TRAY
ACCESSORIES DETAILS
EC-4.3 SCALE: N.T.S.



7 TELECOMS TYPICAL CABLE TRAY
EXPANSION CONNECTION DETAILS
EC-4.3 SCALE: N.T.S.



8 TELECOMS TYPICAL CABLE TRAY
WALL-MOUNT INSTALLATION
EC-4.3 SCALE: N.T.S.