



Republic of the Philippines
Department of Education



JOINT MEMORANDUM



FOR : **EVELYN R. FETALVERO**
Regional Director
DepEd Regional Office VIII

FROM : **ARIZ DELSON ACAY D. CAWILAN**
Director IV, Bureau of Learning Resources

MARJORIE R. TIBURCIO
Engineer IV
Officer-In-Charge, Education Facilities Division

SUBJECT : **IDENTIFICATION OF ADDITIONAL LIBRARY HUBS AND SUBMISSION OF THE SITE APPRAISAL FORM AND PROGRAM OF WORKS**

DATE : **April 12, 2024**

This has reference to the joint memorandum dated August 8, 2023 with the subject *Inventory of the Library Hub Infrastructure Status* for the implementation of the approved construction of library hubs under the National Expenditure Program (NEP) for CY 2024-line item under the Basic Education Facilities Fund (BEFF) of the Department of Education (DepEd).

The Bureau of Learning Resources (BLR) in coordination with the School Infrastructure and Facilities (SIF) strand sets the following minimum number of Library Hubs to be established in the respective Schools Division Offices (SDOs) by FY 2029 as follows:

SDO Size	Minimum Number of LHs
Very Large	5
Large	4
Medium	3
Small	1

Relative to the above-mentioned prioritization, the respective SDOs shall initiate funding and sustainability of the operation and maintenance of the existing Library Hubs. For guidance, please refer to DepEd Order 75, s. 2008.



020 email
4/12/24

For FY 2024, the identified library hub location sites are as follows with the corresponding status of the submitted **Site Appraisal Form (SAF)** and **Program of Works (POWs)**:

Schools Division Office	Size	Description	Submission Status
Baybay City	S	New Construction	Diversion Rd., Gaas, Baybay City (Accomplished)
Borongan City	S	New Construction	San Fernando St., Brgy. G., Borongan City (Accomplished)
Calbayog City	M	New Construction	SDO Calbayog City Compound (Accomplished)
Catbalogan City	M	New Construction	Purok 4, Maharlika Highway, Brgy. Payao, Catbalogan City (Accomplished)
Leyte	L	For follow up	Hilongos National Vocational School of Fisheries
			Dr. Geronimo V. Zaldivar Memorial School of Fisheries
			Isabel National High School
Maasin City	S	New Construction	Tomas Oppus Pilot School, Maasin City (Accomplished)

Furthermore, in the identification of sites, please ensure that considerations shall include the following details:

1. Distant from the other LHs in order to cater all schools that are unreached by the LH services,
2. Buildable space with acceptable DepEd land ownership (Land Title and or Deed of Donation),
3. Elevated and or is free from flooding, and
4. Accessible by at least a 4-wheel vehicle

The SDO engineer shall accomplish the **Site Appraisal Form (SAF)** and prepare the **Program of Works (POWs)** for each proposed LH infrastructure by referring to the approved design for the library hub (Please see attachments). Signatories of the SAF shall include the SDO engineer, SDO librarian, SDO LR supervisor, Curriculum and Instruction Division (CID) chief, and the Schools Division Superintendent (SDS). For the POWs, signatories shall include the SDO engineer, School Governance Division (SGOD) chief, and the SDS. The SDO librarian shall submit the said accomplished documents on or before **May 10, 2024** at the following email addresses:

To : **marlon.ompoc@deped.gov.ph, kianna.gonzales@deped.gov.ph**

Cc : **blr.lrqad@deped.gov.ph, ousif.efd@deped.gov.ph, DepEd Regional Office**

Mr. Marlon G. Ompoc, Librarian II of the BLR-Quality Assurance Division (BLR-QAD) and **Ms. Kianna Areeje Gonzales**, Project Development Officer I of the SIF-Education Facilities Division (EFD) will coordinate with your office regarding the said

matter. For any query or clarification, you may email Mr. Ompoc and Ms. Gonzalez copy furnish blr.lrqad@deped.gov.ph or contact them at telephone numbers (02) 8631-9294 or (02) 8634-1054 for BLR-QAD; (02) 8638-7110 for SIF-EFD.

For your appropriate action and guidance.

Copy furnished:

REVSEE A. ESCOBEDO
Undersecretary for Operations

EPIMACO V. DENSING III
Undersecretary for School Infrastructure and Facilities

GINA O. GONONG
Undersecretary for Curriculum and Teaching

ALMA RUBY C. TORIO
Assistant Secretary for Curriculum and Teaching



SITE APPRAISAL FORM

Division:

Region:

Address:

No. Street Baranggay City/Municipality Province

I. SITE INFORMATION

Proposed site is within SDO compound Yes No

If No, Specify Name of School: _____

Address of School: _____

Site Ownership: Titled under the name of Contract of Usufruct Deed of Donation Tax Declaration
 DepED Private/Others With conditions Absolute DepED
 LGU Perpetual Use With Condition LGU
 Deed of Sale Presidential Proclamation Others/ specify: _____

Location: Urban Low land Island Coastal Others/ specify: _____
 Rural High land/Up land w/ about _____ km boat ride from the mainland

Distance to nearest public school: _____ (m/km)

Distance to nearest private school: _____ (m/km)

Name of nearest public school: _____

Name of nearest private school: _____

Topography: Level/ Flat Sloping Rolling Others/ specify: _____ w/ cut & fill works _____ (m)/ needs site improvement Yes No

Flood Level: _____ (m) Often Utilized as Evacuation Center during Disaster/Emergencies Yes No

Soil Condition: Rocky Sandy Clayey Others/ specify: _____

Power Supply: NPC Line Cooperative Generator Others/ _____

Water Supply: Potable (drinking) Local Water District Spring Others/ specify: _____

Distance from Tapping Point: _____ (m)

Not Potable Deepwell Shallow well
 Depth: _____ (m) Depth: _____ (m)

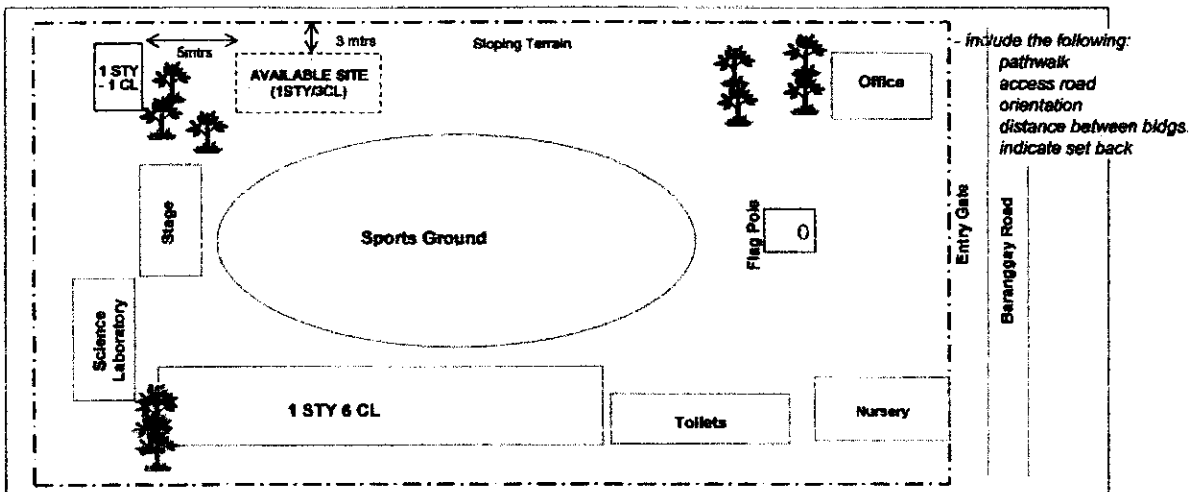
Access: Cemented _____ km. Asphalt _____ km. Gravel bed _____ km. Rough _____ km.
 Hiking _____ km. Others/ specify: _____ By boat _____ km.

Material Source: Distance from the school site: _____

II. SITE DEVELOPMENT PLAN

Total lot area: _____ (sq mtr./hectars)

Proposed total buildable space for construction: _____ sq/mtr.



*To include the locations of proposed Electrical and Water Supply lay-out

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MECHANICAL

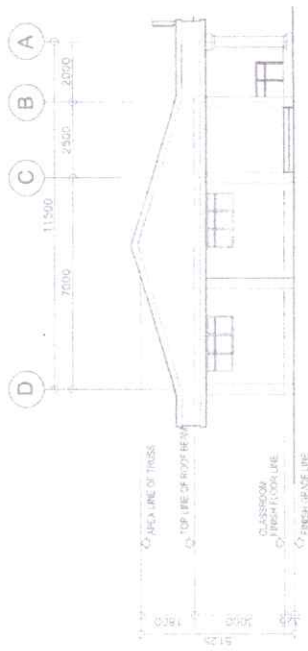


PERSPECTIVE

<p>REPUBLIC OF THE PHILIPPINES DepEd DEPARTMENT OF EDUCATION EDUCATION FACILITIES DIVISION MUNICIPAL AVENUE, PASIG CITY</p>	<p>DESIGNED BY: JUNYON P. CULIADO CIVIL ENGINEER REG-02</p>	<p>CHECKED BY: ANNABELLE M. [Signature] ARCHITECT REG-02</p>	<p>RECOMMENDING APPROVAL: AREL DELICIA ACAY D. CARILAN DIRECTOR IV BUREAU OF LENDING SERVICES</p>	<p>APPROVED BY: [Signature] ENGINEER FOR SOCIAL INFRASTRUCTURE NO FEES</p>	<p>APPROVED BY: [Signature] CMA O. CULIANG ENGINEER FOR CONSTRUCTION AND INSPECTION</p>	<p>PROJECT TITLE: PROPOSED LABORATORY BUILDING</p>	<p>PROJECT CODE: [Blank]</p>	<p>OWNER: DEPARTMENT OF EDUCATION DepEd</p>	<p>SHEET NO: A-1 5</p>
	<p>DATE OF ISSUE: [Blank]</p>	<p>DATE OF APPROVAL: [Blank]</p>	<p>DATE OF REVIEW: [Blank]</p>	<p>LOCATION: [Blank]</p>	<p>TABLE OF CONTENTS</p>				



3 RIGHT SIDE ELEVATION
SCALE: 1:100M
A3



4 RIGHT SIDE ELEVATION
SCALE: 1:100M
A3

0.80mm THK. RIDGE ROLL
PREPAINTED, PREFORMED GI.

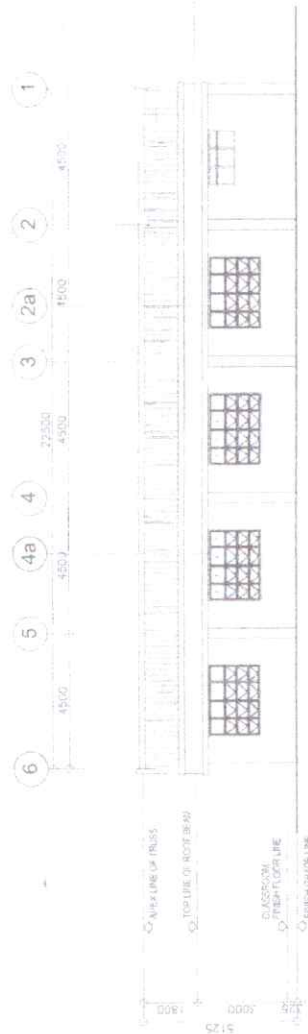
0.80mm THK. PRE-PAINTED GI.
END WALL FLASHING (TYP. EACH SIDE)

0.81mm THK. METAL BASE THICKNESS
CORRUGATED PREPAINTED GI. ROOFING
SHEETS (WITH TOTAL THICKNESS OF
0.53x0.35 mm THK. COLOR: FOAM GREEN /
MINT GREEN) / SPRINKLEFIELD GREEN
R.C. GUTTER W/ CEMENT
BASE WATERPROOFING

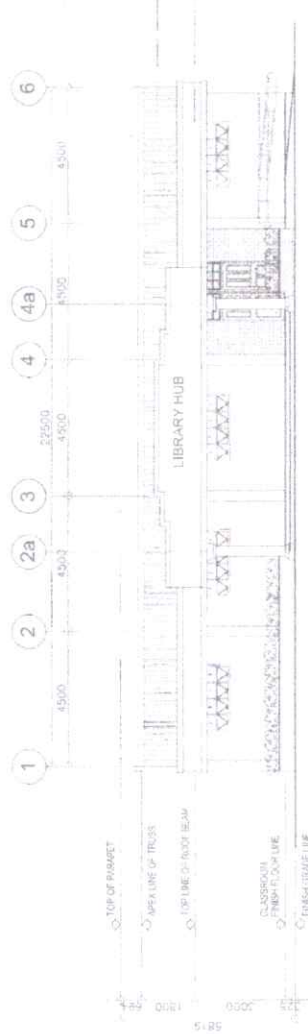
0.80mm THK. RIDGE ROLL
PREPAINTED, PREFORMED GI.

0.80mm THK. PRE-PAINTED GI.
END WALL FLASHING (TYP. EACH SIDE)

0.80 mm THK. METAL BASE THICKNESS
CORRUGATED PREPAINTED GI. ROOFING
SHEETS (WITH TOTAL THICKNESS OF
0.53x0.35 mm THK. COLOR: FOAM GREEN /
MINT GREEN) / SPRINKLEFIELD GREEN
R.C. GUTTER W/ CEMENT
BASE WATERPROOFING



2 REAR ELEVATION
SCALE: 1:100M
A3



1 FRONT ELEVATION
SCALE: 1:100M
A3

APPROVED BY:
JURESON P. CILLARDO
DIRECTOR
BUREAU OF FACILITIES MANAGEMENT

APPROVED BY:
JURESON P. CILLARDO
DIRECTOR
BUREAU OF FACILITIES MANAGEMENT

APPROVED BY:
ANNELLE M. ANAN
ARCHITECT
BUREAU OF FACILITIES MANAGEMENT

APPROVED BY:
ARE DELSON AGAY D. CAMILAN
ARCHITECT
BUREAU OF FACILITIES MANAGEMENT

APPROVED BY:
ERNESTO V. DORENG III
ARCHITECT
BUREAU OF FACILITIES MANAGEMENT

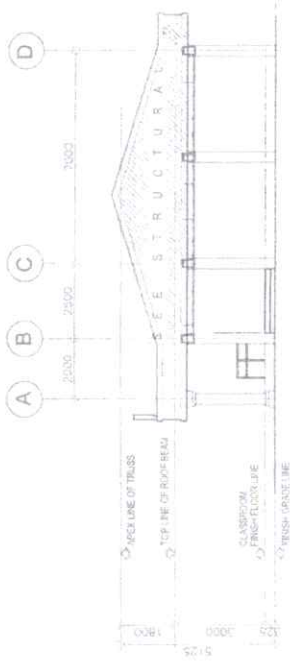
APPROVED BY:
ANN & JOHANN
ARCHITECTS
BUREAU OF FACILITIES MANAGEMENT

PROJECT TITLE:
PROPOSED LIBRARY HUB BUILDING

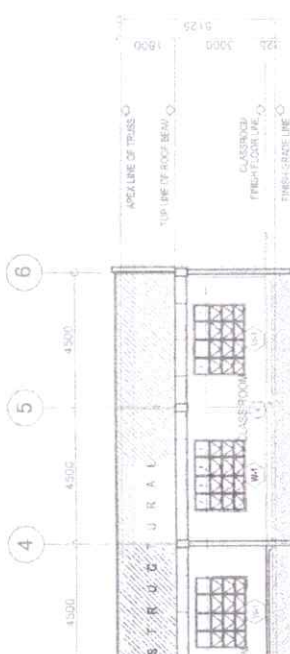
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DEPT. OF EDUCATION
DepEd

PROJECT NO:
A-3
5

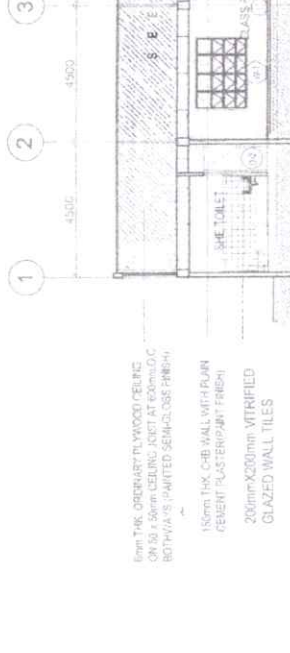




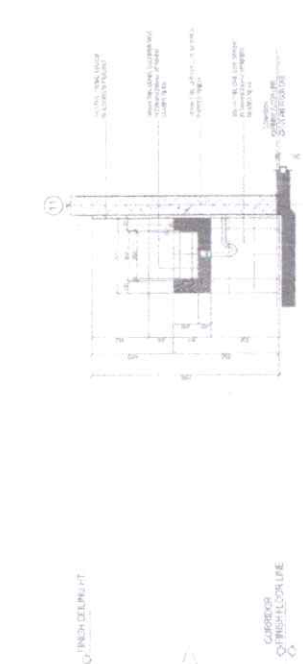
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A-4 SCALE
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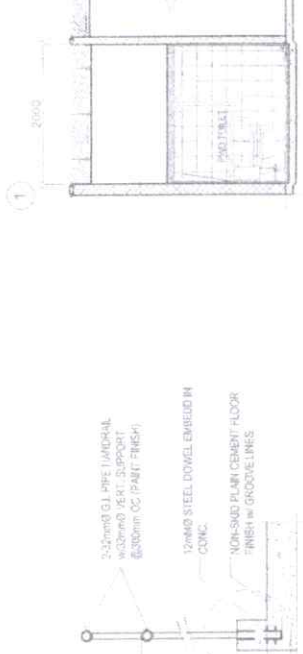
2 LONGITUDINAL SECTION
A-4 SCALE
1:10M



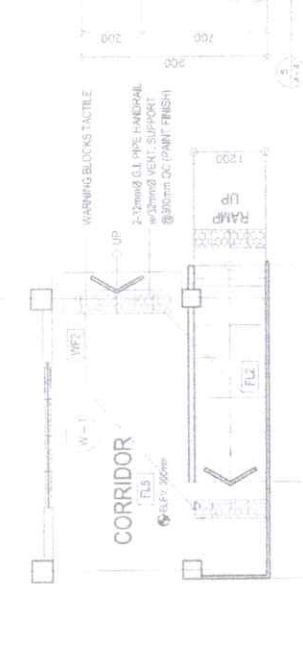
5 CORRIDOR
A-4 SCALE
1:10M



5 BLOW-UP DETAIL - 1 (COUNTER SINK)
A-6 SCALE
1:50M



5 SECTION - 4 (PWD TOILET, CORRIDOR)
A-6 SCALE
1:50M



4 DETAIL SECTION
A-4 SCALE
1:10M



5 BLOW-UP DETAIL - 3 (PWD TOILET)
A-6 SCALE
1:50M



5 SECTION - 6 (PWD TOILET)
A-6 SCALE
1:50M



5 SPOT DETAIL
A-4 SCALE
1:50M

1 DETAIL ELEVATION OF RAMP
A-4 SCALE
1:10M

	DEPARTMENT OF EDUCATION DepEd	PROJECT CODE:	OWNER:	SHEET NO: A-4 5
	PROPOSED LIBRARY BUILDING	PROJECT FILE:	ARCHITECT:	SHEET CONTENTS: - TABLE OF CONTENTS
APPROVED BY: <i>[Signature]</i> DR. J. M. GONZALES SCHOOL DIVISION OFFICER	APPROVED BY: <i>[Signature]</i> DR. J. M. GONZALES SCHOOL DIVISION OFFICER	APPROVED BY: <i>[Signature]</i> DR. J. M. GONZALES SCHOOL DIVISION OFFICER	APPROVED BY: <i>[Signature]</i> DR. J. M. GONZALES SCHOOL DIVISION OFFICER	APPROVED BY: <i>[Signature]</i> DR. J. M. GONZALES SCHOOL DIVISION OFFICER
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<p>TAG NO. (D-1)</p> <p>DESCRIPTION KD & TERMITE TREATED PANEL DOOR (SWING TYPE) W/ FIXED GLASS TRANSOM ABOVE ON 50 x 150mm WOODEN/ STEEL JAMBS/ FRAMES w/ LEVER TYPE DOOR KNOB</p> <p>LOCATION: CLASSROOMS</p>	<p>TAG NO. (D-2)</p> <p>DESCRIPTION KD & TERMITE TREATED PANEL DOOR (SWING TYPE) W/ FIXED GLASS TRANSOM ABOVE ON 50 x 150mm WOODEN/ STEEL JAMBS/ FRAMES w/ LEVER TYPE DOOR KNOB</p> <p>LOCATION: CONSULTANT ROOM</p>	<p>TAG NO. (D-3)</p> <p>DESCRIPTION HOLLOW CORE FLUSH TYPE SWING DOOR ON 50 x 150mm WOODEN/ STEEL JAMB w/ MARINE PLYWOOD (TWO FACE) COMPLETE w/ HARDWARE AND ACCESSORIES PROVIDE KICK PLATE w/ LEVER TYPE DOOR KNOBS</p> <p>LOCATION: PWD TOILETS</p>	<p>TAG NO. (D-4)</p> <p>DESCRIPTION BAR DOOR (SWING TYPE) ON 50 x 150mm WOODEN/ STEEL DOOR JAMBS/ FRAMES w/ MARINE PLYWOOD (TWO FACE) COMPLETE w/ HARDWARE & ACCESSORIES w/ DOOR BOLT</p> <p>LOCATION: HE/SHE TOILETS</p>
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<p>TAG NO. (W-1)</p> <p>DESCRIPTION AWNING WINDOW W/ 6mm THK. CLEAR GLASS PANE ON .8mm ANALOK FRAME & w/ FIXED GLASS TRANSOM ABOVE</p> <p>LOCATION: CLASSROOMS</p>	<p>TAG NO. (W-2)</p> <p>DESCRIPTION AWNING WINDOW W/ 6mm THK. CLEAR GLASS PANE ON .8mm ANALOK FRAME & w/ FIXED GLASS TRANSOM ABOVE</p> <p>LOCATION: CLASSROOMS</p>	<p>TAG NO. (W-3)</p> <p>DESCRIPTION AWNING WINDOW W/ 6mm THK. CLEAR GLASS PANE ON .8mm ANALOK FRAME & w/ FIXED GLASS TRANSOM ABOVE</p> <p>LOCATION: TOILETS</p>
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DOORS AND WINDOWS SCHEDULE

SCALE: 1:25

REPUBLIC OF THE PHILIPPINES

DepEd
DEPARTMENT OF EDUCATION
Division Office - Marikina City

PROJECT TITLE: **PROPOSED LIBRARY HUB BUILDING**

PROJECT CODE: _____

PROJECT NO: **A-5**

NO. OF SHEETS: **5**

DATE: _____

DESIGNED BY: _____

CHECKED BY: _____

APPROVED BY: _____

PROJECT MANAGER: _____

PROJECT ENGINEER: _____

PROJECT ARCHITECT: _____

PROJECT SUPERVISOR: _____

PROJECT COORDINATOR: _____

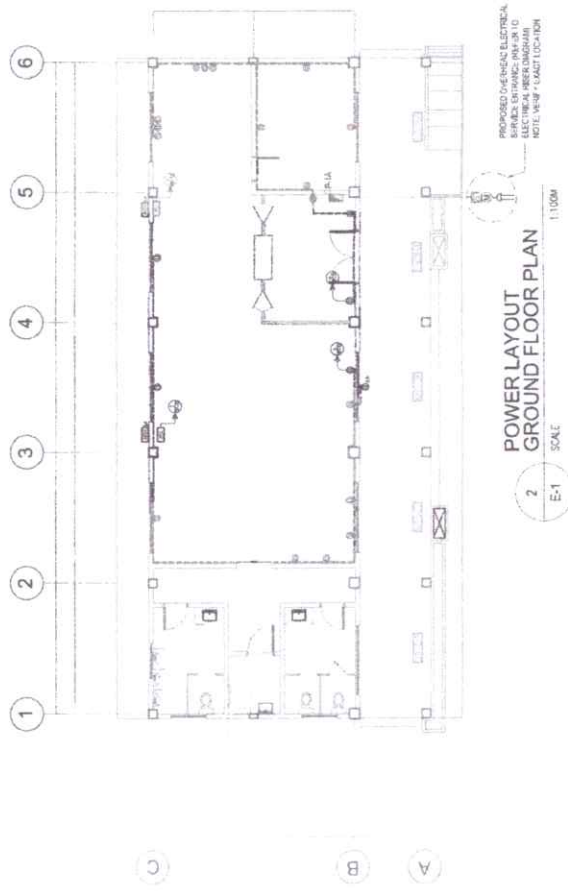
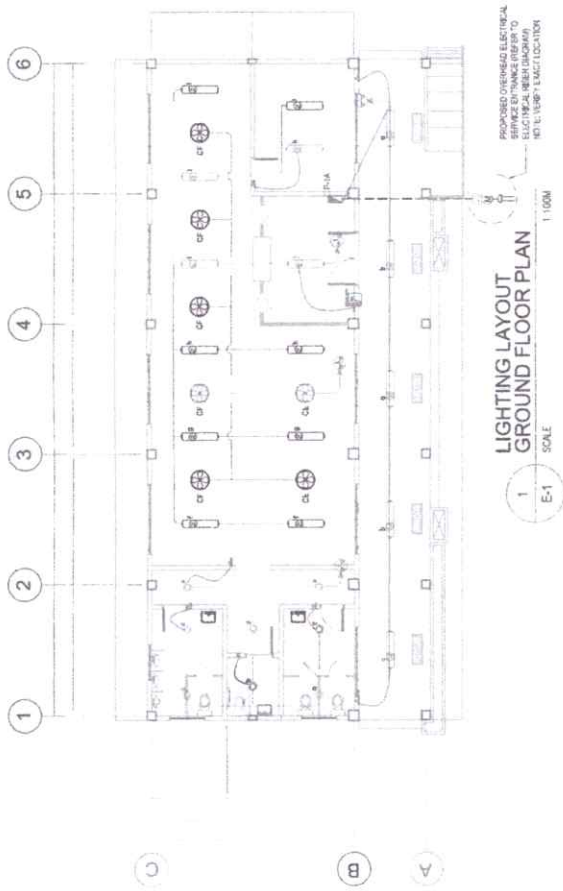
PROJECT ASSISTANT: _____

PROJECT CLERK: _____

PROJECT OFFICE: _____

PROJECT ADDRESS: _____

PROJECT CONTACT: _____



LIGHTINGS SPECIFICATION :

	-2-28W LED T5 (IP4-0)(1200mm) RECESSED-MOUNTED, COB, 5000K-4000K, DAY LIGHT AT 85V - 265V 50/60 HZ (HORIZONTAL REFLECTOR EGSGRATE)
	-1-28W LED T5 (IP4-0)(1200mm) RECESSED-MOUNTED, COB 5000K-4000K, DAY LIGHT AT 85V - 265V 50/60 HZ (HORIZONTAL REFLECTOR EGSGRATE)
	-18W LED DOWNLIGHT (IP4-0) RECESSED-MOUNTED, COB, 2700-3500K, WARM LIGHT AT 85V - 265V 50/60 HZ

		DEPARTMENT OF EDUCATION DepED		SHEET NO. E-1 2	
PROPOSED LIBRARY HUB BUILDING		PROJECT CODE		PROJECT TITLE	
APPROVED BY:		APPROVED BY:		SHEET CONTENTS:	
ARIZ DELOSIN ACAY D. CABALAN DIRECTOR OF LUMPAY REWARDS BUREAU OF LUMPAY REWARDS		CRISOBAL CONDE SUPERVISOR FOR ARCHITECTURAL AND FINISHING		DEPARTMENT OF EDUCATION	
CHECKED BY:		CHECKED BY:		DEPARTMENT OF EDUCATION	
SERMIN SANCHEZ PROFESSIONAL ELECTRICAL ENGINEER REG-170		ARIZ DELOSIN ACAY D. CABALAN DIRECTOR OF LUMPAY REWARDS BUREAU OF LUMPAY REWARDS		DEPARTMENT OF EDUCATION	
DRAWN BY:		DRAWN BY:		DEPARTMENT OF EDUCATION	
P.V. B. LICARDO ARCHITECT REG-170		ARIZ DELOSIN ACAY D. CABALAN DIRECTOR OF LUMPAY REWARDS BUREAU OF LUMPAY REWARDS		DEPARTMENT OF EDUCATION	

GENERAL CONSTRUCTION NOTES

- 1.0 STANDARDS AND REFERENCES
 THE FOLLOWING SHALL GOVERN THE DESIGN, FABRICATION AND CONSTRUCTION OF THE PROJECT:
 1. NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP 2015) (VOL. 1, 2 & 3)
 2.0 DESIGN CRITERIA
 2.1 LOADINGS
 A. DEAD LOAD
 1. FLOOR SLAB
 150 psf
 2. ROOF SLAB
 20 psf
 3. WALL
 150 psf
 4. CEILING
 5 psf
 5. WIND LOAD
 AS PER CODE
 B. LIVE LOAD
 1. OFFICE
 40 psf
 2. CORRIDOR
 30 psf
 3. TOILET
 30 psf
 4. CLASSROOM
 40 psf
 5. STAIRS
 40 psf
 C. WIND LOAD
 AS PER CODE
 D. SEISMIC LOAD
 AS PER CODE

- NOTES ON CONCRETE MIXES & PLACING
 1. ALL CONCRETE SHALL BE CAST AT THE END OF THEIR LIFE
 2. ALL CONCRETE SHALL BE CAST AT THE END OF THEIR LIFE
 3. ALL CONCRETE SHALL BE CAST AT THE END OF THEIR LIFE

3. SLAB REINFORCED WITH BARS ALONG THE SPAN SHALL BE PLACED
 4. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

1. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

SCHEDULE OF MINIMUM SLAB REINFORCEMENT

LOCATION	MINIMUM TEMPERATURE BARS
100 mm	10mm @ 250mm EACH WAY
125 mm	10mm @ 250mm EACH WAY
150 mm	10mm @ 250mm EACH WAY
175 mm	10mm @ 250mm EACH WAY
200 mm	10mm @ 250mm EACH WAY

2. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:
 3. CONCRETE SHALL BE CURING PROTECTED AT ALL TIMES
 4. ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

5. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

6. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE



- 2.2 DESIGN STRESSES
 A. COLUMN: 0.85 F_{ck} / γ_c
 B. BEAM: 0.85 F_{ck} / γ_c
 C. SLAB: 0.85 F_{ck} / γ_c
 D. REINFORCING STEEL: 0.85 F_{yk} / γ_s
 E. STEEL: 0.85 F_{yk} / γ_s
 F. WELDS: 0.85 F_{yk} / γ_s
 G. STRUCTURAL BOLTS: 0.85 F_{yk} / γ_s
 H. DISTANCES AND GAPS: 0.85 F_{yk} / γ_s
 I. CONNECTIONS: 0.85 F_{yk} / γ_s
 J. JOINTS: 0.85 F_{yk} / γ_s
 K. BRACES: 0.85 F_{yk} / γ_s
 L. TRUSSES: 0.85 F_{yk} / γ_s
 M. STRUTS: 0.85 F_{yk} / γ_s
 N. PURLINS: 0.85 F_{yk} / γ_s
 O. MASONRY: 0.85 F_{yk} / γ_s
 P. NON-LOADING BEAMS: 0.85 F_{yk} / γ_s
 Q. WELDS: 0.85 F_{yk} / γ_s
 R. STRUCTURAL BOLTS: 0.85 F_{yk} / γ_s
 S. DISTANCES AND GAPS: 0.85 F_{yk} / γ_s
 T. CONNECTIONS: 0.85 F_{yk} / γ_s
 U. JOINTS: 0.85 F_{yk} / γ_s
 V. BRACES: 0.85 F_{yk} / γ_s
 W. TRUSSES: 0.85 F_{yk} / γ_s
 X. STRUTS: 0.85 F_{yk} / γ_s
 Y. PURLINS: 0.85 F_{yk} / γ_s
 Z. MASONRY: 0.85 F_{yk} / γ_s

1. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

2. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

3. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

NOTES ON REINFORCEMENT
 1. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

2. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

3. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

4. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

NOTES ON CONCRETE SLABS
 1. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

2. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

3. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

4. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

NOTES ON FOOTINGS
 1. FOOTINGS ARE DESIGNED FOR AN ALLOWANCE FOR BEARING CAPACITY OF 30% (NSCP 2015)
 2. ALL FOOTINGS SHALL BE CAST AT THE END OF THEIR LIFE

3. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

4. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

5. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

NOTES ON REINFORCEMENT
 1. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

2. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

3. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

4. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

NOTES ON CONCRETE SLABS
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4. UNLESS OTHERWISE NOTED IN THE DRAWING, ALL REINFORCING BARS SHALL BE PLACED AT THE END OF THEIR LIFE

DEPED
 DEPARTMENT OF EDUCATION
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PROPOSED
 LIBRARY HUB
 BUILDING

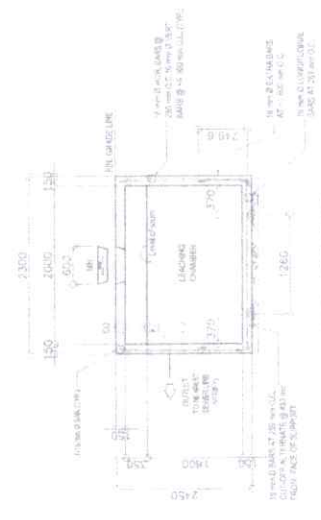
ANNHESE R. MANAYAN
 ARCHITECT
 MANAYAN ARCHITECTURE

WILFREDO D. ALARON
 STRUCTURAL ENGINEER
 ALARON ENGINEERING

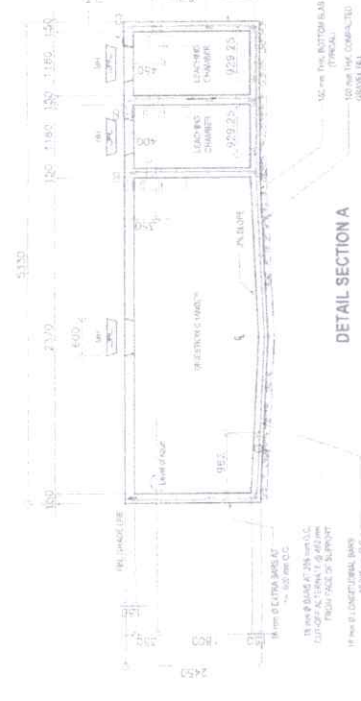
MARK	DEPTH SECTION	TOP SLAB
S-1	18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER	18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER
S-2	18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER	18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER 18" x 18" BARS @ 18" ON CENTER



DETAIL SECTION B



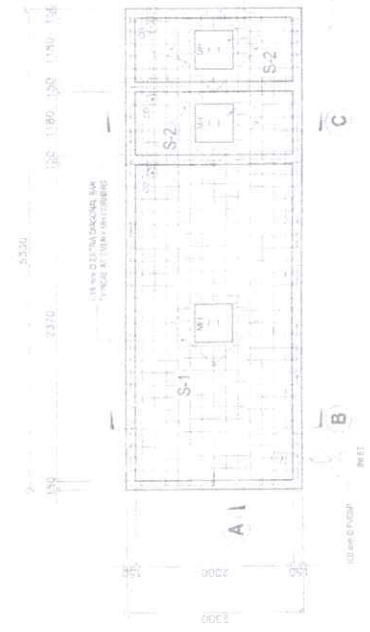
DETAIL SECTION C



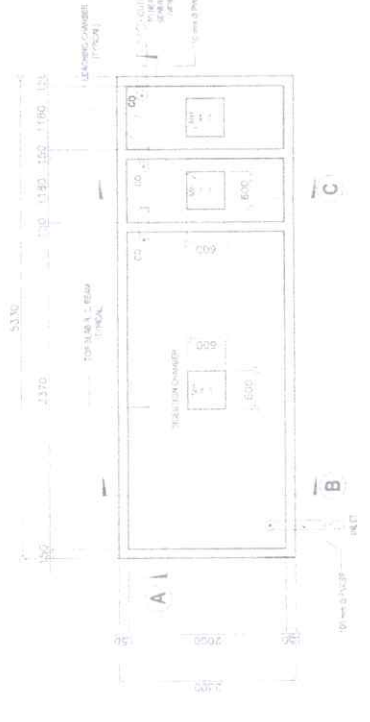
DETAIL SECTION A



DETAIL SECTION A



DETAIL PLAN (TOP SLAB)
DETAIL OF SEPTIC VAULT (with REINFORCING BARS)



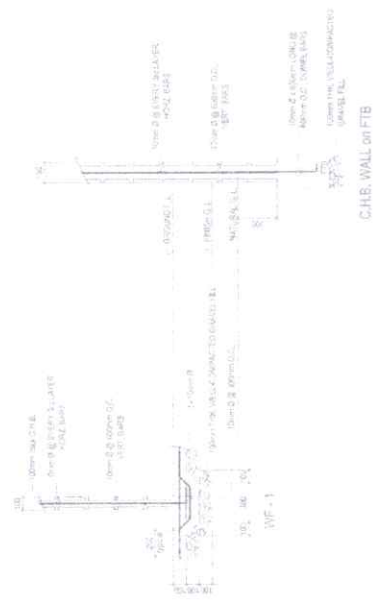
DETAIL PLAN (TOP SLAB)
DETAIL OF SEPTIC VAULT

3 Pg SCALE 1/8"=1'-0"

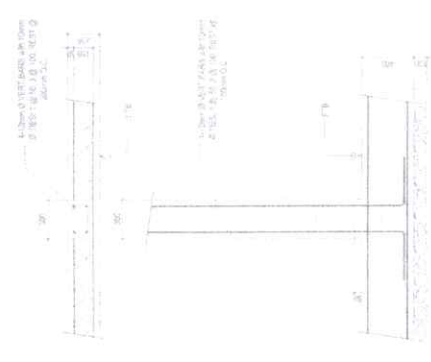
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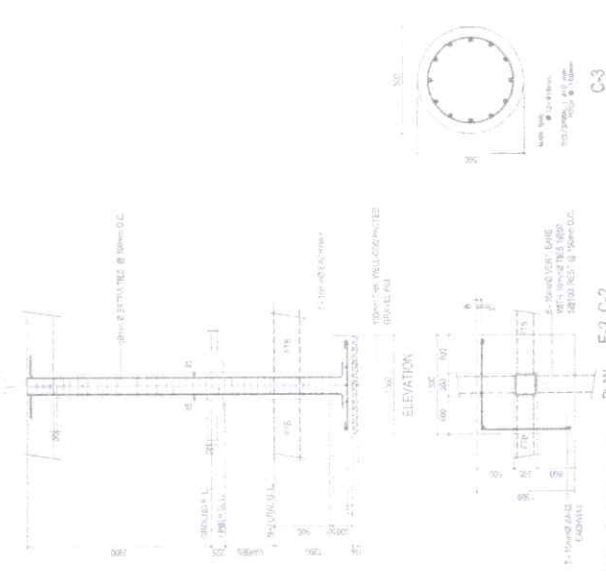
4 DETAIL OF FOOTING TIE BEAMS
SCALE: S-3



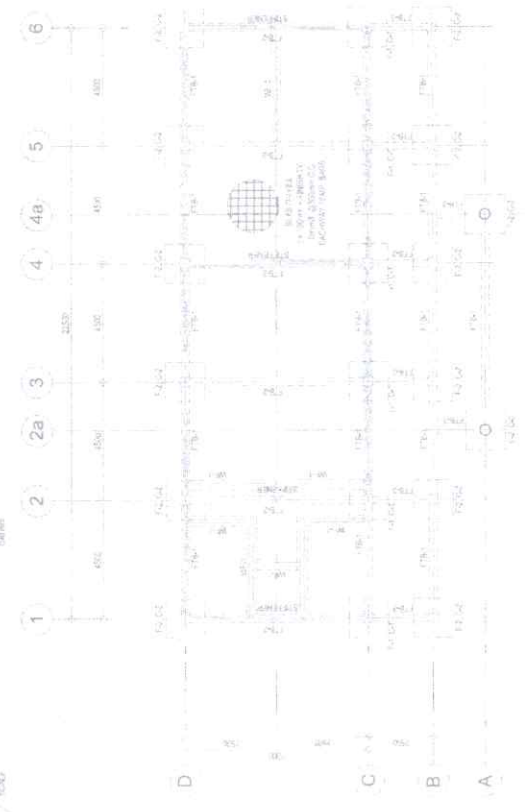
3 DETAILS OF WALL-FOOTINGS
SCALE: S-3



5 STIFFENER DETAIL
SCALE: S-3

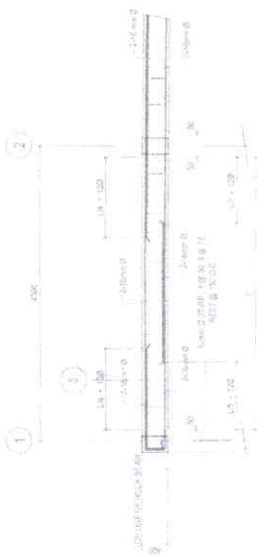


2 DETAIL OF COLUMNS AND FOOTINGS
SCALE: S-3



1 FOUNDATION PLAN
SCALE: S-3

	<p>DEPARTMENT OF EDUCATION DepEd</p>	<p>PROPOSED LIBRARY-HUB BUILDING</p>						<p>PROJECT NO. S-3 8</p>
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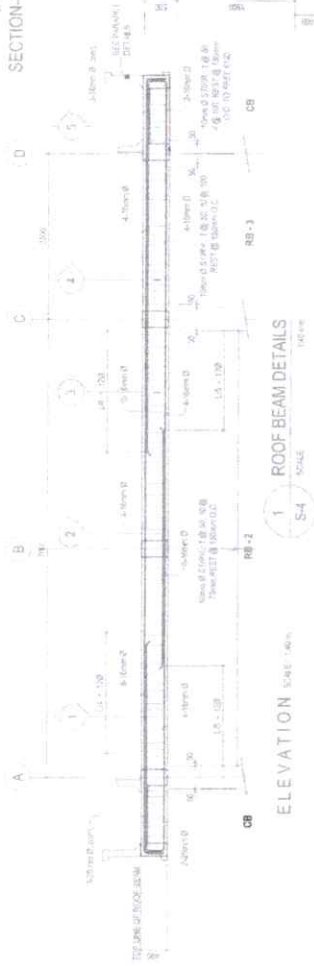
SECTION-1 SCALE 1:200



SECTION-2 SCALE 1:200



SECTION-3 SCALE 1:200



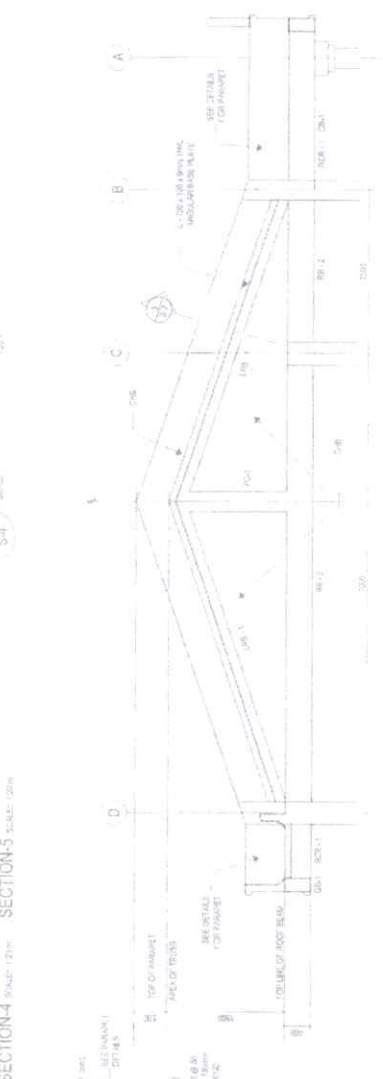
ELEVATION SCALE 1:200

SECTION-4 SCALE 1:200

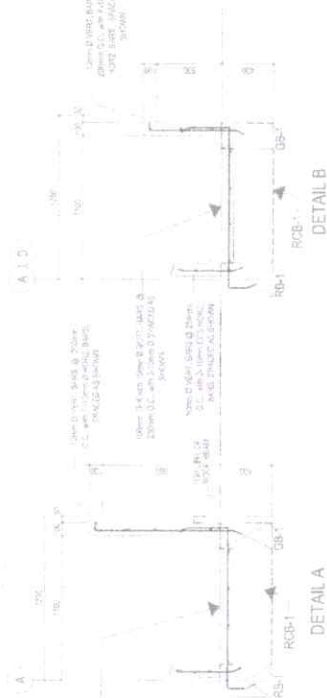
SECTION-5 SCALE 1:200



DETAIL OF GB-1, LRB-1 & PC-1 SCALE 1:200



END-WALL DETAIL SCALE 1:200



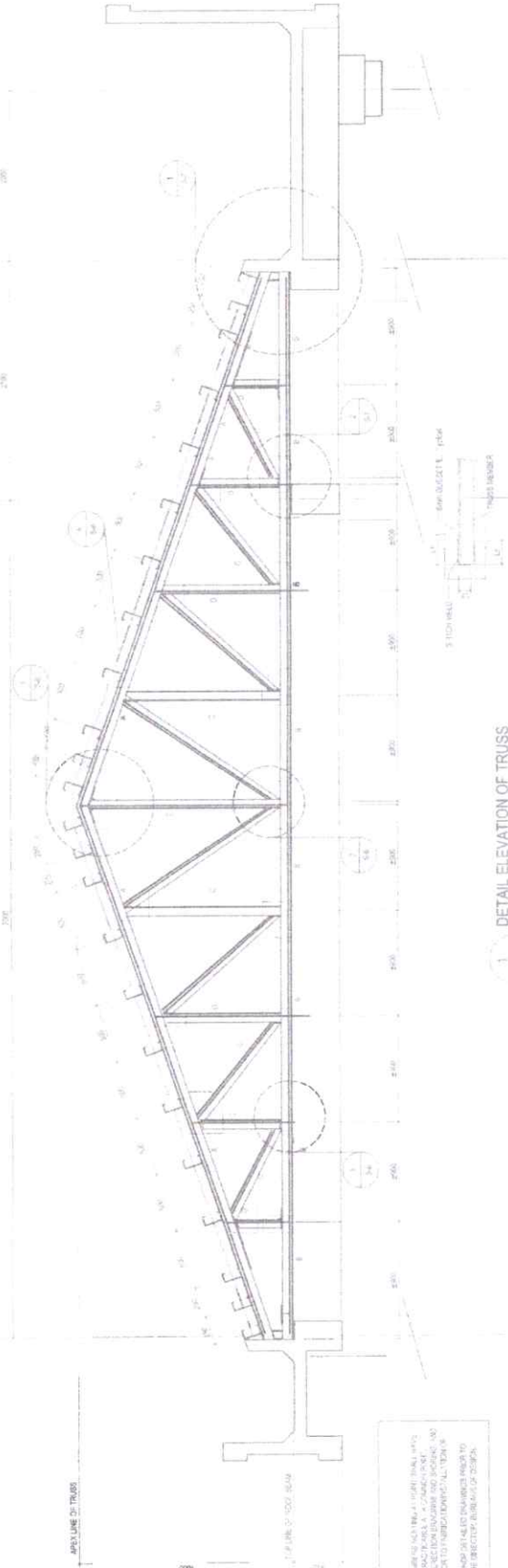
DETAIL A DETAIL B SCALE 1:200



R.C. RAMP STAIR ON FILL SCALE 1:200

 <p>DEPED DIVISION OFFICE - MARIKINA CITY</p>	<p>DESIGNED BY JUANSON P. COBARRAS ARCHITECT</p>	<p>CHECKED BY WILFREDO D. ALARCÓN REGISTERED PROFESSIONAL ARCHITECT</p>	<p>REVIEWING ARCHITECT ANGELLA M. PANJAN REGISTERED PROFESSIONAL ARCHITECT</p>	<p>APPROVED BY ARZ. DELSON ADAY D. CARILAN REGISTERED PROFESSIONAL ARCHITECT</p>	<p>APPROVED BY ORA B. COMANAN REGISTERED PROFESSIONAL ARCHITECT</p>	<p>PROPOSED LIBRARY HUB BUILDING</p>	<p>DEPARTMENT OF EDUCATION DepEd MARIKINA CITY</p>	<p>SHEET NO. S-4 8</p>
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D C B A

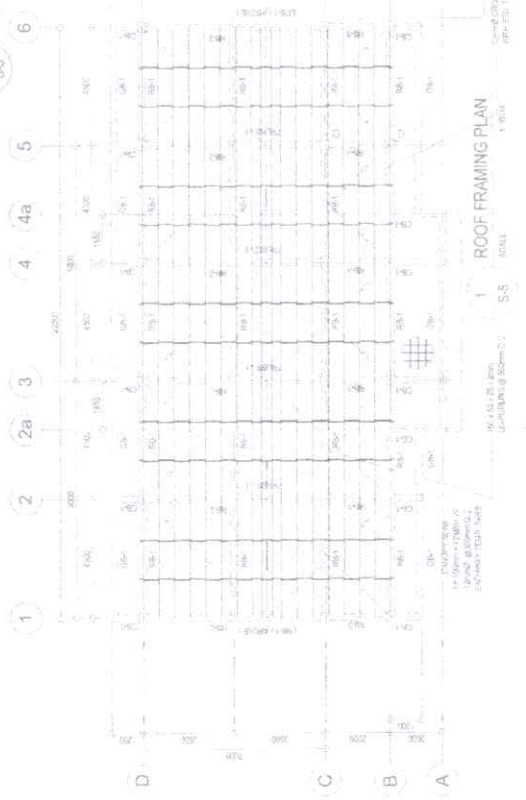


1 DETAIL ELEVATION OF TRUSS
S-5 SCALE: 1/8"=1'-0"

SCHEDULE OF MEMBERS AND WELDS

MARK	TRUSS MEMBERS SIZES	SIZE OF WELDS			REMARKS
		THICKNESS	LENGTH	TYPE	
A	2x4x1/2x1/2	3/16"	12"	FL. WELD	
B	2x4x1/2x1/2	3/16"	12"	FL. WELD	
C	2x4x1/2x1/2	3/16"	12"	FL. WELD	
D	2x4x1/2x1/2	3/16"	12"	FL. WELD	

3 REFERENCE WELD DETAIL
S-5 SCALE: 1/4"=1'-0"



1 ROOF FRAMING PLAN
S-5 SCALE: 1/8"=1'-0"

NOTES ON ROOF CONSTRUCTION

1. ALL TRUSS MEMBERS SHALL BE FABRICATED FROM 6061-T6 ALUMINUM UNLESS OTHERWISE SPECIFIED.
2. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.
3. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.
4. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.
5. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.
6. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.
7. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.
8. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.
9. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.
10. ALL TRUSS MEMBERS SHALL BE WELDED TO EACH OTHER AND TO THE SUPPORTS.

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DEPARTMENT OF EDUCATION
BUREAU OF TECHNICAL EDUCATION
CAMPUS - CALABANG

PROJECT BY: **ARMILSON P. CULADO**
PROJECT CODE: **100-000000**

DESIGNED BY: **WILFREDO D. ALARCON**
DRAWN BY: **ARMILSON P. CULADO**

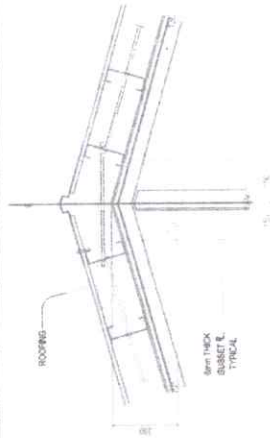
APPROVED BY: **ARMILSON P. CULADO**
PROJECT TITLE: **PROPOSED LIBRARY HUB BUILDING**

DESIGNED BY: **ARMILSON P. CULADO**
PROJECT CODE: **100-000000**

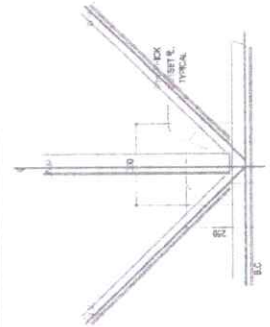
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PROJECT TITLE: **PROPOSED LIBRARY HUB BUILDING**

DESIGNED BY: **ARMILSON P. CULADO**
PROJECT CODE: **100-000000**

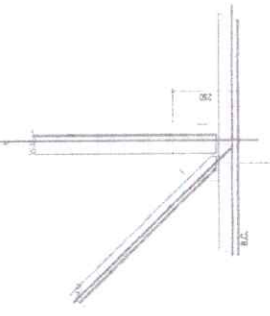
DEPARTMENT OF EDUCATION
DepEd
CALABANG



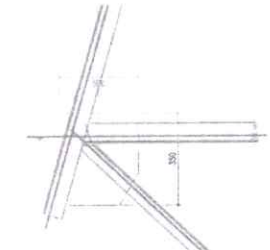
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SCALE 1/8" = 1'-0"
S-6



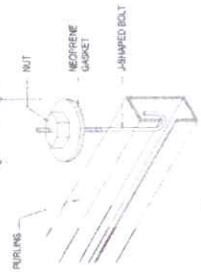
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SCALE 1/8" = 1'-0"
S-6



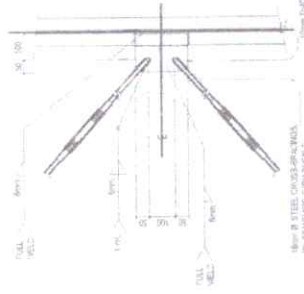
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SCALE 1/8" = 1'-0"
S-6



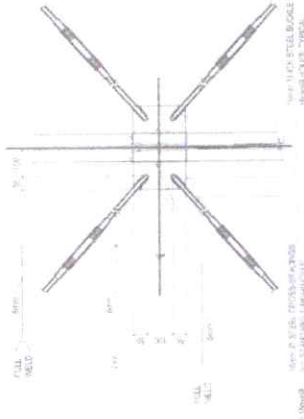
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SCALE 1/8" = 1'-0"
S-6



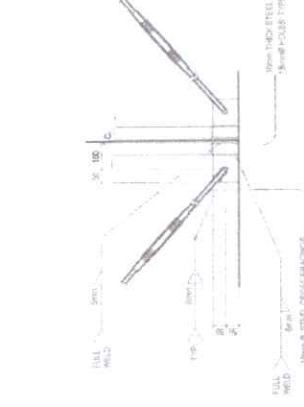
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NOT TO SCALE
S-6



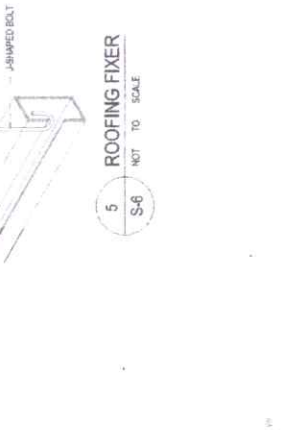
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SCALE 1/8" = 1'-0"
S-6



7
SCALE 1/8" = 1'-0"
S-6



8
SCALE 1/8" = 1'-0"
S-6



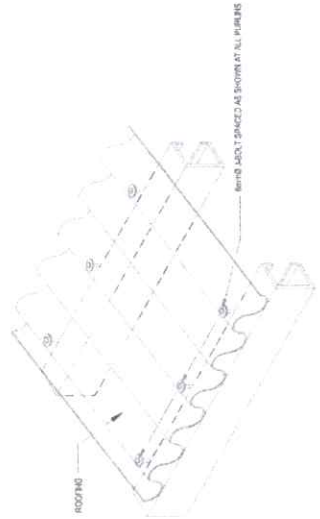
9
SCALE 1/8" = 1'-0"
S-6

ALONG GRID LINE A & C

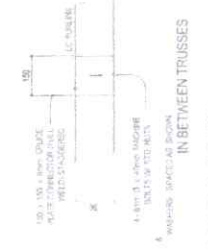
AT APEX OF TRUSS

DETAIL CONN. OF CROSS-BRACING

10
SCALE 1/8" = 1'-0"
S-6



10
SCALE 1/8" = 1'-0"
S-6



11
SCALE 1/8" = 1'-0"
S-6

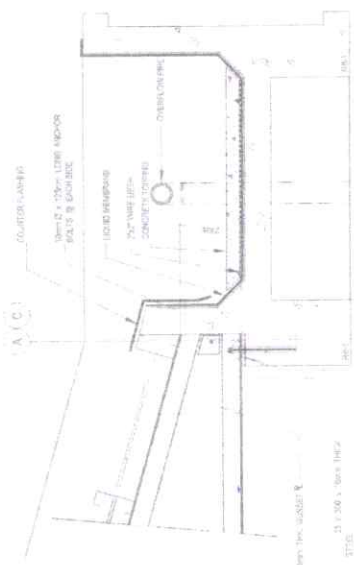


12
SCALE 1/8" = 1'-0"
S-6



13
SCALE 1/8" = 1'-0"
S-6

<p>REPUBLIC OF THE FILIPPINES</p> <p>DEPARTMENT OF EDUCATION EDUCATION FACILITIES DIVISION NEBURO AVENUE, PASAY CITY</p>	<p>DESIGNED BY</p> <p>JAMESON P. COLADO LEE TAYLOR JACQUES</p>	<p>ENGINEERED BY</p> <p>WILFREDO D. ALARCON ENR. REG. NO. 108-105 M.A.C. 10-10</p>	<p>ARCHITECTURAL</p> <p>ANITA M. GARCIA OF-SHAPE</p>	<p>STRUCTURAL</p> <p>ARIZ DELFINA NICH D. CARILAN REGISTERED ARCHITECT NO. 108-105</p>	<p>APPROVED BY</p> <p><i>[Signature]</i> CHRY V. GORDON DIRECTOR AND CHIEF OF BUREAU</p>	<p>PROJECT TITLE</p> <p>PROPOSED LIBRARY HUB BUILDING</p>	<p>PROJECT SIZE</p>	<p>PRICE</p>	<p>PROJECT NO.</p> <p>S-6 8</p>
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1
S-7
SCALE
1:50



2
S-7
SCALE
1:50

1
S-7
SCALE
1:50

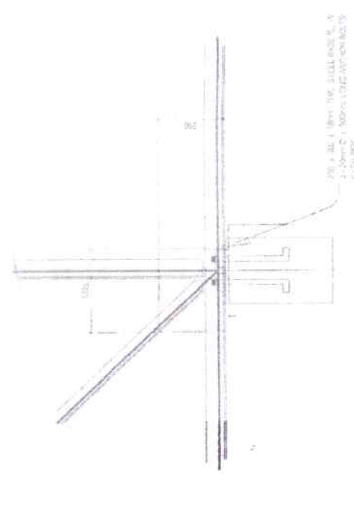


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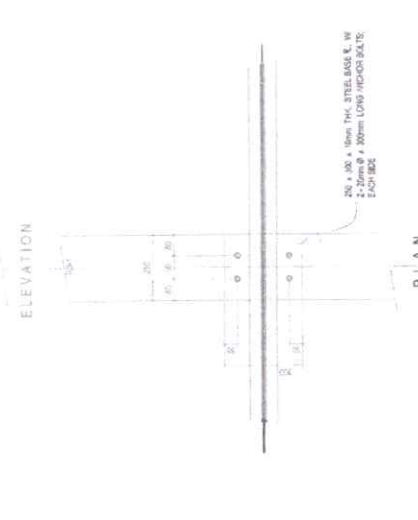
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SCALE
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S-7
SCALE
1:50

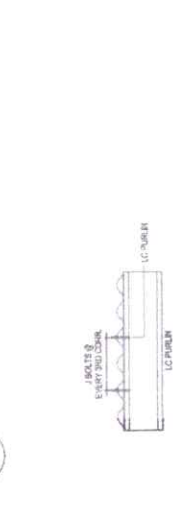


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S-7
SCALE
1:50



5
S-7
SCALE
1:50

5
S-7
SCALE
1:50

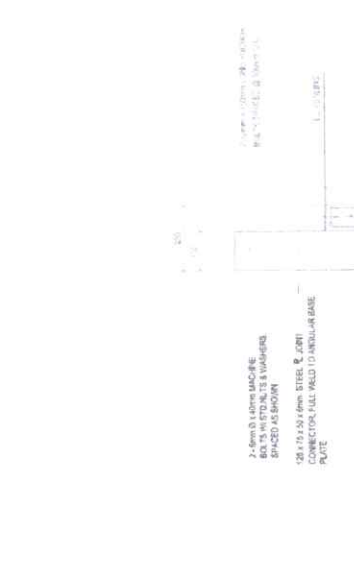


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S-7
SCALE
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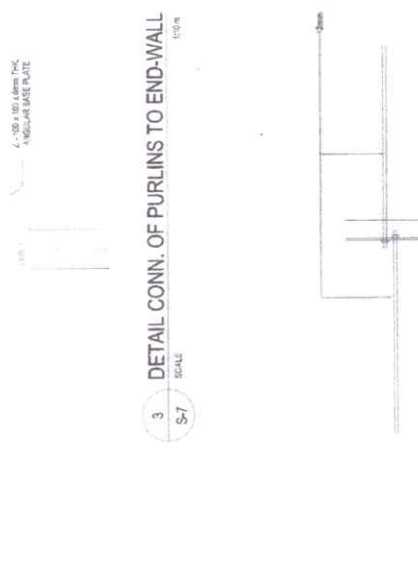
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S-7
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SCALE
1:50



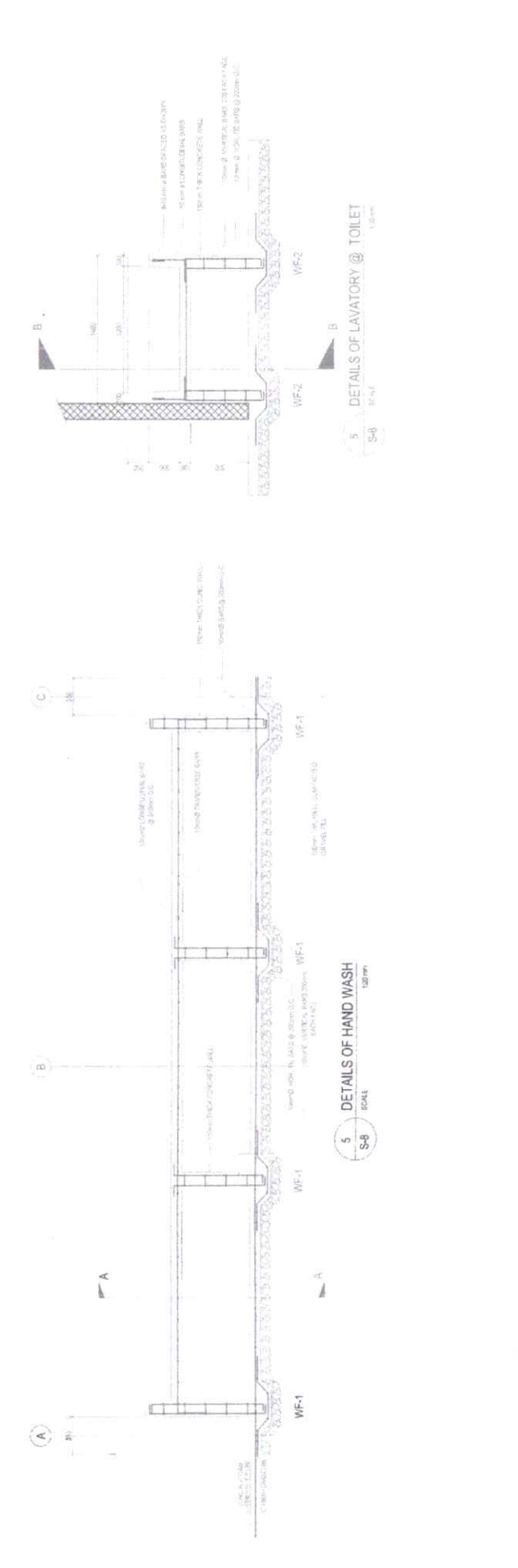
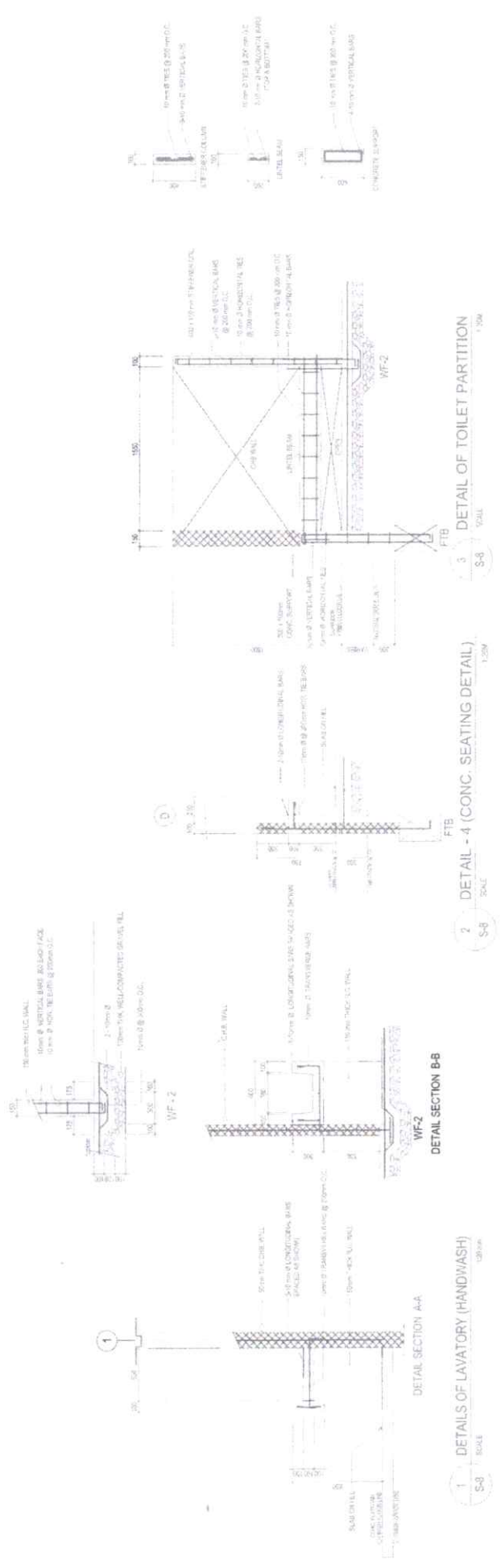
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S-7
SCALE
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S-7
SCALE
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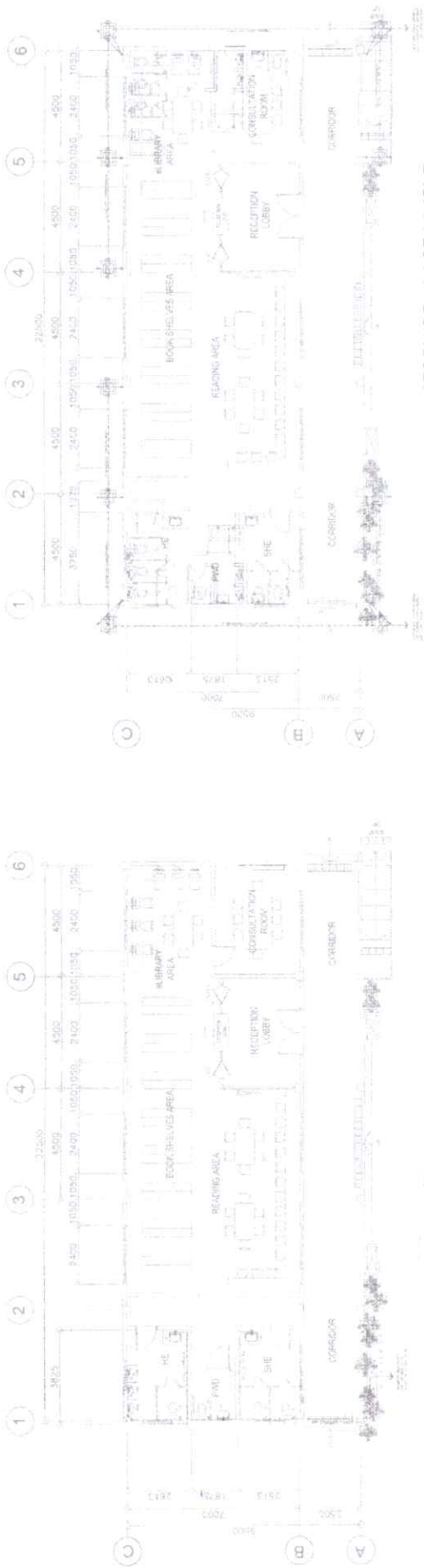


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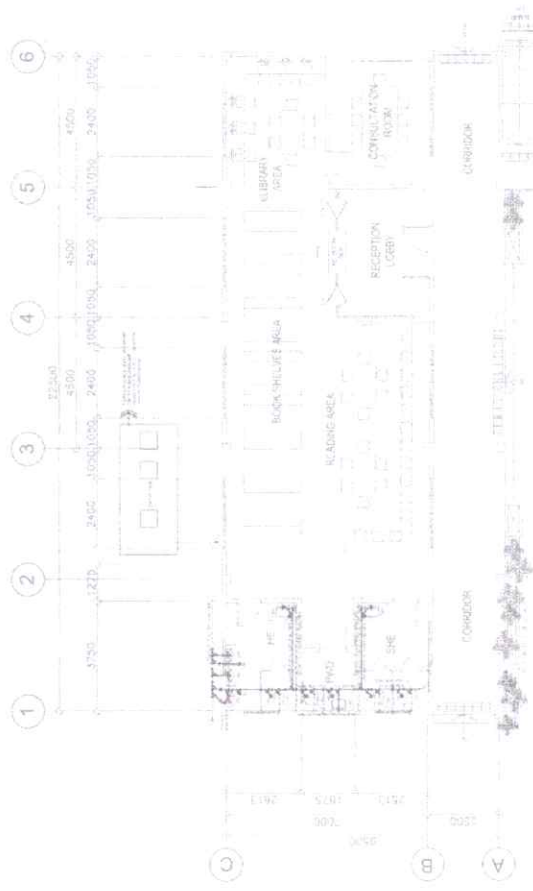
 DepEd DEPARTMENT OF EDUCATION EDUCATION FACILITIES DIVISION MEDIALDO AVENUE, PASIG CITY	CHECKED BY WILFREDO D. ALARCON STRUCTURAL ENGINEER REG. P.R.	CHECKED BY JAMESON P. CELADO ARCHITECT REG. P.R.	RECOMMENDING APPROVAL ANGELLE R. DACANAY ARCHITECT REG. P.R.	RECOMMENDING APPROVAL ARIZ DELSON MAC D. CUMANAN ARCHITECT REG. P.R.	APPROVED BY EPIMACIO V. DOMINGO III ARCHITECT REG. P.R.	PROJECT TITLE PROPOSED LIBRARY BUILDING	PROJECT USE DEPARTMENT OF EDUCATION DepEd	SHEET NO. S-7 8
	DEPARTMENT OF EDUCATION DepEd							SHEET NO. S-7 8



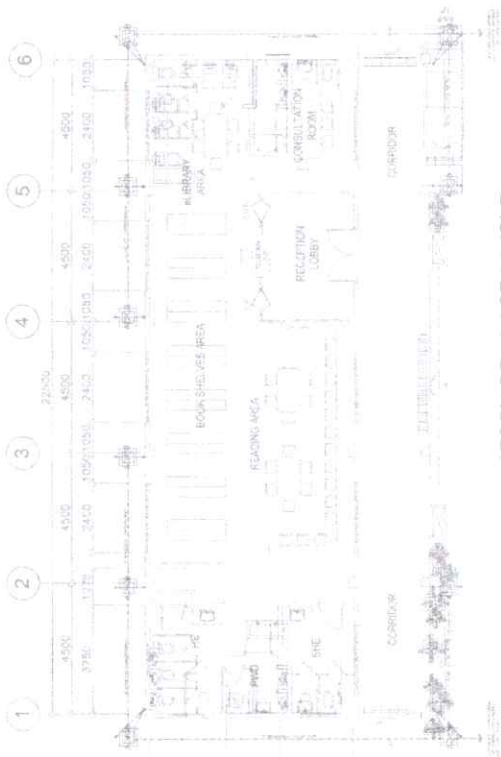
 DEPARTMENT OF EDUCATION Limpopo Province PRETORIA	DRAWN BY JUNCKEN P. GILLADO CIVIL ENGINEER REG-100	CHECKED BY WILFREDO D. ALARCON STRUCTURAL ENGINEER REG-100	RECOMMENDING APPROVAL ANNETTE M. DENSHAM CIVIL ENGINEER REG-100	RECOMMENDING APPROVAL ANZE DELSON CIVIL ENGINEER REG-100	APPROVED BY ANZE DELSON CIVIL ENGINEER REG-100	APPROVED BY ANZE DELSON CIVIL ENGINEER REG-100	PROJECT TITLE PROPOSED LIBRARY HUB BUILDING	PROJECT CODE DEPTED	WORKS DEPARTMENT OF EDUCATION DepEd	SHEET NO. S-8 8
	DEPARTMENT OF EDUCATION Limpopo Province PRETORIA SHEET CODE DEPTED PROJECT CODE DEPTED SHEET NO. S-8 8									



1 WATER LINE LAYOUT
1/8" = 1'-0"

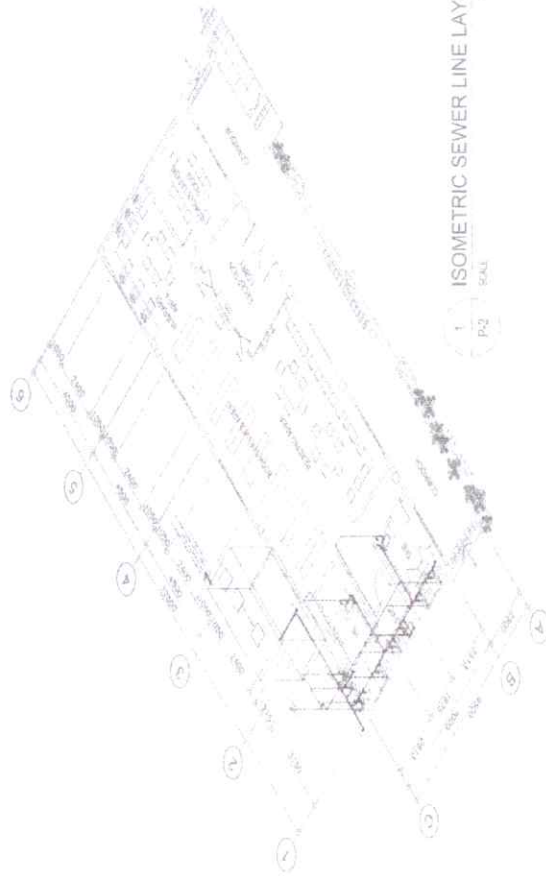
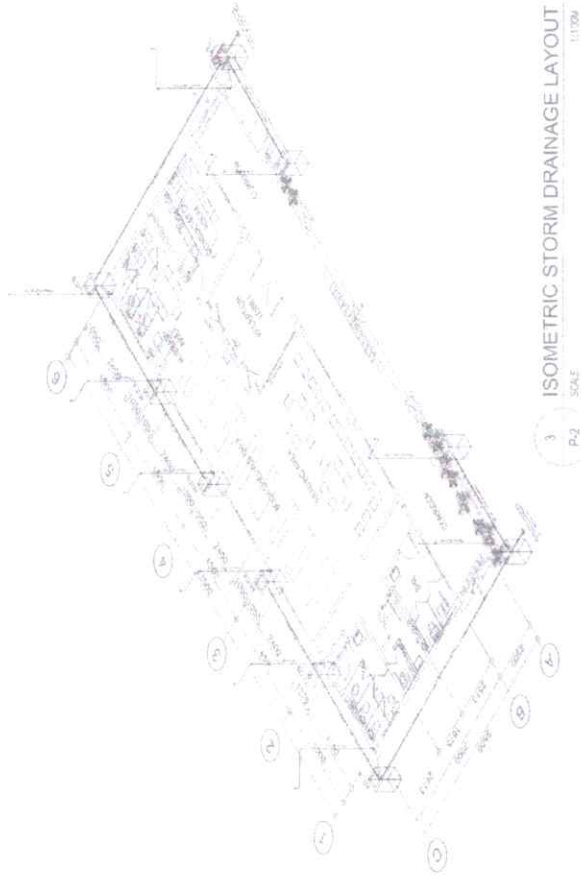
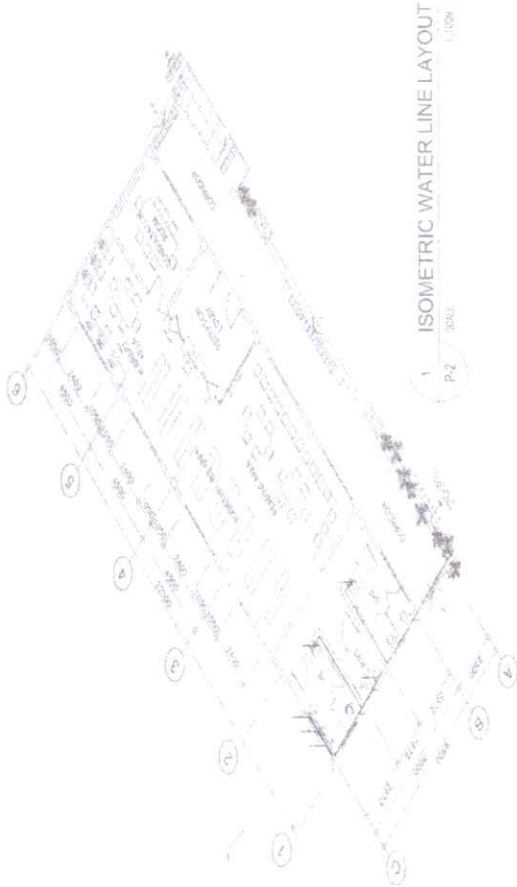


2 SEWER LINE LAYOUT
1/8" = 1'-0"



3 STORM DRAINAGE LAYOUT
1/8" = 1'-0"

	DRAWN BY: JEWELSTON P. ALADO DED-101	CHECKED BY: ARNEL B. BUAN DED-101	DESIGNED BY: ARNEL B. BUAN DED-101	REVISIONS: DATE: 10/25/2018 BY: [Signature] REASON: [Signature]	PROJECT CODE: PROPOSED LIBRARY HUB BUILDING	CLIENT: DEPARTMENT OF EDUCATION DepEd	SHEET NO: P-1 4
	PROJECT NO.:	PROJECT TITLE:	PROJECT NO.:	PROJECT TITLE:	PROJECT NO.:	PROJECT TITLE:	PROJECT NO.:

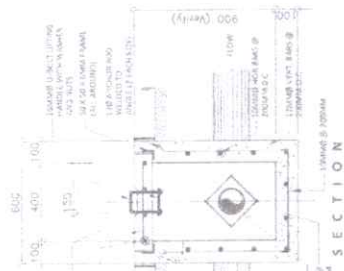
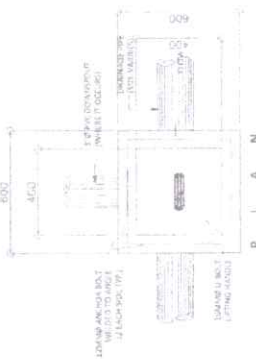


PLUMBING NOTES:

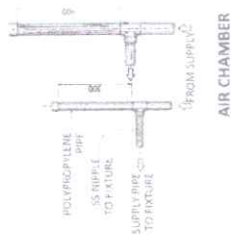
- GRADES OF HORIZONTAL PIPING RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND AT A FORM GRADE OF NOT LESS THAN TWO PERCENT (2%).
- CHANGE IN DIRECTION ALL CHANGE IN DIRECTION SHALL BE MADE BY APPROPRIATE USE OF FORTY FIVE DEGREE (45°) WYES, LONGSWEEP QUARTER BEND, SIX-EIGHT OR SIXTEENTH BENDS. WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL, THE BEND COMBINATION MAY BE USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAY BE USED ON WASTE LINE, TEE AND CROSSES MAY BE USED IN VENT PIPES.
- PROHIBITED FITTINGS NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL WASTE LINES. THE DRILLINGS AND TAPPINGS OF HOUSE DRAIN, WASTE OR VENT PIPES AND USE OF SADDLE HUB AND BEND ARE PROHIBITED.
- SLEEVES PROVIDE PIPE SLEEVES AT WALLS, COLUMNS OR SLABS ONE SIZE BIGGER THAN THE ACTUAL SIZE PASSING THROUGH THE WALLS, COLUMNS OR UNDER SLAB TO PROTECT PIPE FROM BREAKAGE.
- PIPE CLEAN-OUTS PIPE CLEAN-OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
 - EVERY CHANGE IN HORIZONTAL DIRECTIONS EXCEEDING TWENTY-TWO (22) AND ONE-HALF DEGREES (2 1/2°).
 - ONE AND ONE-HALF METERS (1.50 m) INSIDE THE PROPERTY LINE BEFORE THE HOUSE DRAINAGE CONNECTION.
 - EVERY FIFTEEN METERS (15.00 m) IN HORIZONTAL RUN OF PIPES.
 - AT THE END OF ANY HORIZONTAL PIPE LINES.
- THE DIGESTION CHAMBER OF SEPTIC VAULT MUST BE WATERPROOFED.
- NOT LESS THAN 300 mm OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF THE VAULT ROOF SLAB.
- NO SEPTIC VAULT MUST BE CONSTRUCTED UNDER THE BUILDING.
- ALL PLUMBING WORKS SHALL BE DONE BY A LICENSED MASTER PLUMBER AND A LICENSED PLUMBING CONTRACTOR.

PLUMBING LEGEND:

CD	CORRIDOR DRAIN	PVCSP	POLYVINYL CHLORIDE SOIL PIPE (SERIES 1000) (ASTM D2729 / ASTM D3311, ISO 4433 / ASTM D2564)
CO	CLEAN OUT	PVCSS	POLYVINYL CHLORIDE SOIL STACK (SERIES 1050) (ASTM D2729 / ASTM D3311, ISO 4433 / ASTM D2564)
CV	CHECK VALVE	PVCVP	POLYVINYL CHLORIDE VENT PIPE (SERIES 900) (ASTM D2729 / ASTM D3311, ISO 4433 / ASTM D2564)
FD	FLOOR DRAIN	PVCVS	POLYVINYL CHLORIDE VENT STACK (SERIES 600) (ASTM D2729 / ASTM D3311, ISO 4433 / ASTM D2564)
HB	HOSE BIBB	PVCVTR	POLYVINYL CHLORIDE VENT THROUGH ROOF (SERIES 600) (ASTM D2729 / ASTM D3311, ISO 4433 / ASTM D2564)
GJ	GALVANIZED IRON	PVCWPP	POLYVINYL CHLORIDE WASTE PIPE (SERIES 1000) (ASTM D2729 / ASTM D3311, ISO 4433 / ASTM D2564)
GT	GREASE TRAP	RD	ROOF DRAIN
GV	GATE VALVE	SD	SINK DRAIN
LAV	LAVATORY	UD	URINAL DRAIN
KS	KITCHEN SINK	WC	WATER CLOSET
MH	MANHOLE	WM	WATER METER
PPRC CWL	POLYPROPYLENE RANDOM COPOLYMER COLD WATER LINE, TYPE 3, PN 20 (ISO 15874, JOINING BY SOCKET FUSION)		
PPRC CWR	POLYPROPYLENE RANDOM COPOLYMER COLD WATER RISER, TYPE 3, PN 20 (ISO 15974, JOINING BY SOCKET FUSION)		
PVCOP	POLYVINYL CHLORIDE DRAIN PIPE (SERIES 1000) (ASTM D2729 / ASTM D3311, ISO 4433 / ASTM D2564)		
PVCDS	POLYVINYL CHLORIDE DOWNSPOUT (SERIES 1000) (ASTM D2729 / ASTM D3311, ISO 4433 / ASTM D2564)		



CATCH BASIN DETAILS



AIR CHAMBER



DETAIL OF FLOOR CLEAN OUT

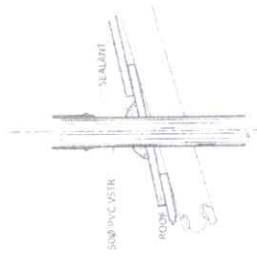


FLOOR DRAIN SQUARE STRAINER

SECTION

PIPE	SIZE	C	D
1/2"	101.60	75	46.10
3/4"	127.00	75	46.10
1"	152.40	75	46.10
1 1/2"	190.50	75	46.10

FLOOR DRAIN DETAILS



VENT STACK THRU ROOF

REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF EDUCATION
DepEd

PROPOSED LIBRARY HUB BUILDING

PROJECT NO. P-3

4

DATE: 08/15/2024

PROJECT: LIBRARY HUB BUILDING

PROJECT NO. P-3

4

DESIGNED BY: ALBERTO S. GARCIA

DATE: 08/15/2024

APPROVED BY: [Signature]

DATE: 08/15/2024

RECOMMENDED APPROVAL: [Signature]

DATE: 08/15/2024

RECOMMENDED APPROVAL: [Signature]

DATE: 08/15/2024