




Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION



REGIONAL MEMORANDUM
ORD-2024- 447

TO : **SCHOOLS DIVISION SUPERINTENDENTS**
SDO Caloocan City
SDO Las Piñas City
SDO Manila
SDO Paranaque City
SDO Quezon City

FROM : **JOCELYN DR. ANDAYA** 
Regional Director

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

DATE : **May 7, 2024**

1. This is in reference to the attached Joint Memorandum, from Atty. Ariz Delson Acay D. Cawilan, Director IV, Bureau of Learning Resources, and Marjorie R. Tiburcio, Engineer IV, Officer-in-Charge, Education Facilities Division, on the above-stated subject, for information and appropriate action.
2. Relative to this, the identified SDOs are requested to accomplish and submit the forms, using the attached templates on or before May 10, 2024 to the email address indicated in the said Memorandum.
3. Immediate dissemination for this Memorandum is desired.

CLMD/LRMS Section



Address: 6 Misamis St. Bago Bantay, Quezon City
Email Address: ncr@deped.gov.ph
Website: <https://www.depedncr.com.ph>

Doc. Ref. Code	RO-ORD-F005	Rev	00
Effectivity	01.26.23	Page	1 of 1



Republic of the Philippines
Department of Education

JOINT MEMORANDUM

FOR : **JOCELYN DR. ANDAYA**
Regional Director
DepEd Regional Office NCR

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.

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
Caloocan City	L	New Construction	Grace Park Elem. School (Accomplished)
Caloocan City	L	For follow up	3 Sites (To be identified)
Las Piñas City	M	For follow up (Conversion)	Doña Manuela ES, Orchids St., Manuela Subd. (For
Manila	L	For follow up	2 Sites (To be identified)
Parañaque City	M	For follow up (Conversion)	Parañaque ES Central, Kabihasanan St., San Dionisio (For follow up)
Quezon City	L	For follow up	2 Sites (To be identified)

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 Barangay 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 Use/Lease 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

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: _____

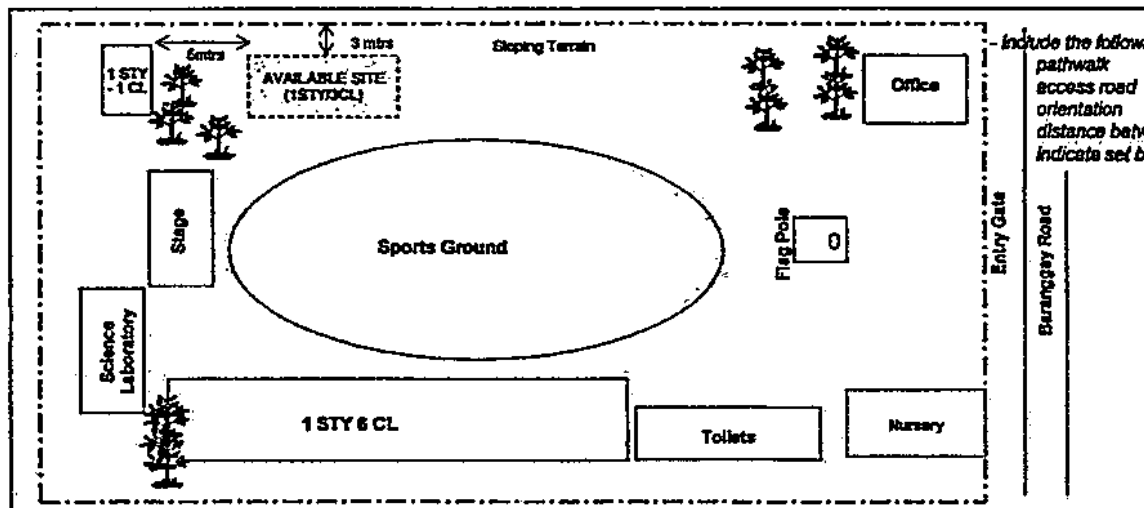
Distance from Tapping Point: _____ (m)

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./hectare) Proposed total buildable space for construction: _____ sqmtr.



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

ARCHITECTURAL

A-1. TITLE OF PROJECT
A-2. REQUIREMENTS FOR THE PROJECT
A-3. ARCHITECTURAL PLAN
A-4. ELEVATION
A-5. SECTION

STRUCTURAL

S-1. GENERAL INFORMATION
S-2. GENERAL CONDITIONS
S-3. MATERIALS
S-4. FOUNDATION
S-5. BEAMS AND SLABS
S-6. WALLS AND PARTITIONS
S-7. ROOFING
S-8. STAIRS
S-9. ELEVATION
S-10. SECTION

ELECTRICAL

E-1. GENERAL INFORMATION
E-2. GENERAL CONDITIONS
E-3. LOADS
E-4. WIRING METHODS
E-5. PANEL SCHEDULE
E-6. SYMBOLS
E-7. ELEVATION
E-8. SECTION

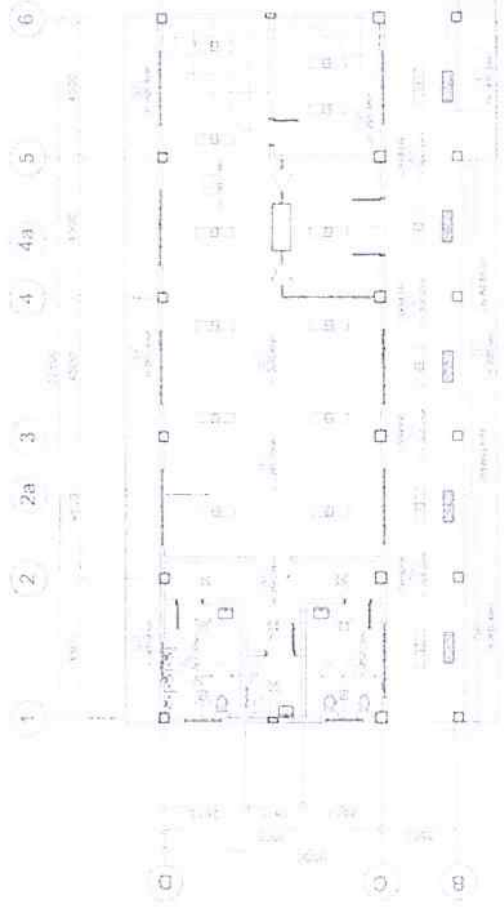
MECHANICAL

M-1. GENERAL INFORMATION
M-2. GENERAL CONDITIONS
M-3. PLUMBING
M-4. SANITARY
M-5. ELECTRICAL

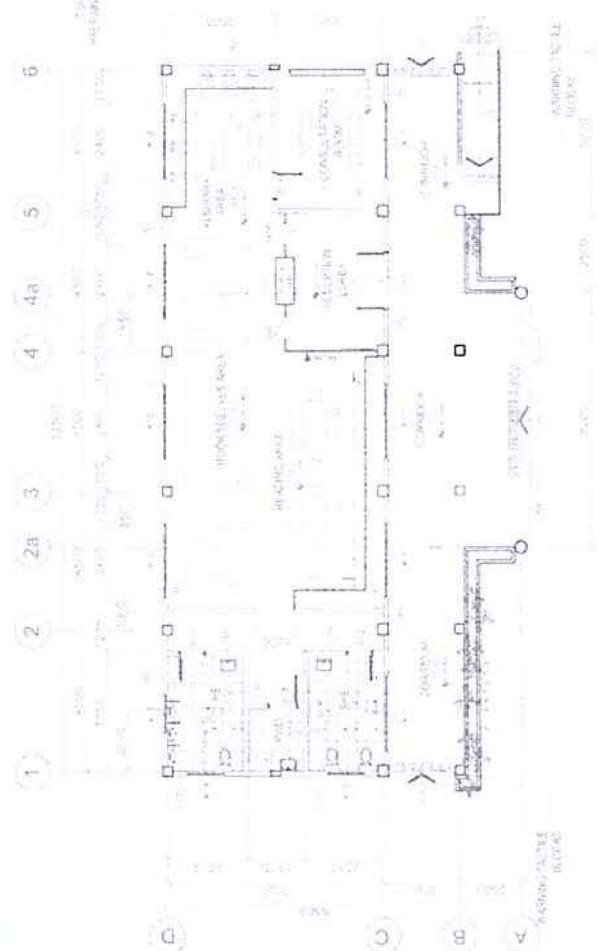


REPUBLIC OF THE PHILIPPINES
DepEd
DEPARTMENT OF EDUCATION
DIVISION OFFICE - CALABANG
MARICORIN, PANGASINAN

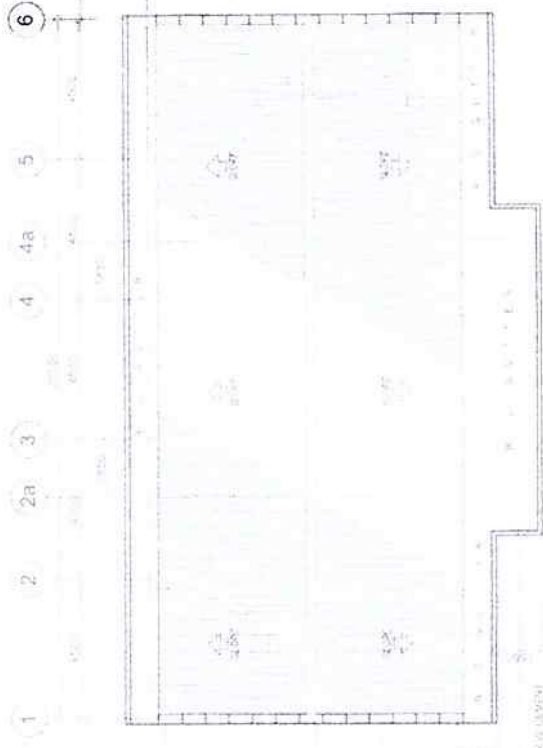
DATE: 11/15/2023
DRAWN BY: JUNYON P. CULIACO
CHECKED BY: JET
DESIGNED BY: [Signature]
APPROVED BY: [Signature]
RECOMMENDING APPROVAL: ARIZ DEL ROSA, NCY D. CAMPAN, DIRECTOR, BUREAU OF LEARNING RESOURCES
APPROVED BY: [Signature]
PROJECT FILE: [Signature]
PROJECT DATE: [Signature]
DEPT: DEPARTMENT OF EDUCATION
DIVISION OFFICE: CALABANG
PROJECT NAME: PROPOSED LIBRARY HUB BUILDING
SHEET NO: A-1
NO. OF SHEETS: 5



REFLECTED CEILING PLAN



GROUND FLOOR PLAN



ROOF PLAN

DePED
DEPARTMENT OF EDUCATION
Division Office - Marikina City

PROJECT CODE: _____

PROPOSED LIBRARY-HUB BUILDING

DATE: _____

DESIGNED BY: _____

CHECKED BY: _____

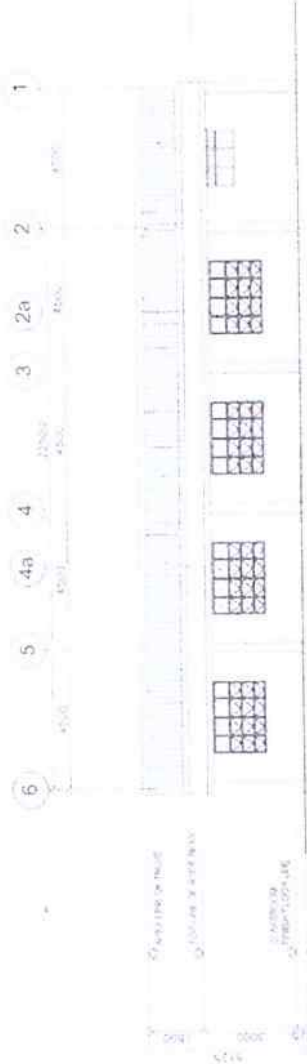
APPROVED BY: _____

PROJECT NO: _____

SHEET NO: A-2
5

REMOVE THE MOVED WALL
PREPARED BY DLI

REMOVE THE UNPAINTED OIL
THE WALL AND REPAIR THE EXPOSURE
USE THE WALL AS A BASIS FOR THE
CONCRETE REINFORCED OIL ROOFING
SHEETS AT 12" X 12" SPACING OF
3/8" DIA. REINFORCING BARS. FORM GREEN
TIGHT GREEN-CONCRETE GREEN
REINFORCING BARS
BASE FOR ROOFING



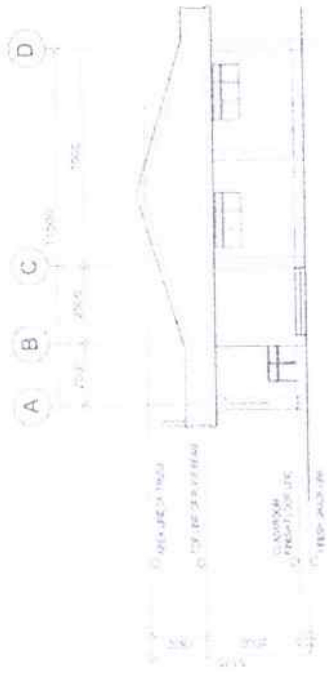
2 REAR ELEVATION
A3 1/8" = 1'-0"

REMOVE THE ROOF WALL
PREPARED BY DLI

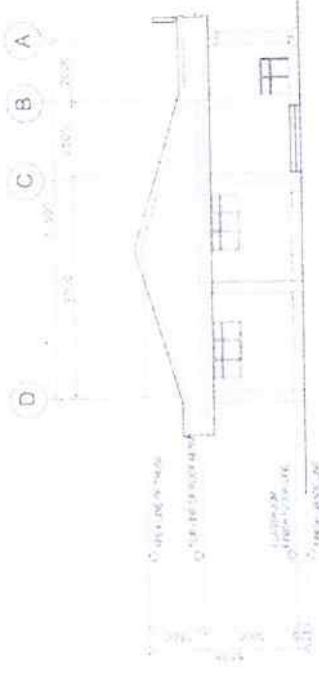
REMOVE THE REINFORCED OIL
ROOFING SHEETS AND REPAIR THE EXPOSURE
USE THE WALL AS A BASIS FOR THE
CONCRETE REINFORCED OIL ROOFING
SHEETS AT 12" X 12" SPACING OF
3/8" DIA. REINFORCING BARS. FORM GREEN
TIGHT GREEN-CONCRETE GREEN
REINFORCING BARS
BASE FOR ROOFING



1 FRONT ELEVATION
A3 1/8" = 1'-0"



3 RIGHT SIDE ELEVATION
A3 1/8" = 1'-0"



4 RIGHT SIDE ELEVATION
A3 1/8" = 1'-0"

DESIGNER:
ARQUITECTO EN CARGO
MARCO A. GARCIA
MARCO A. GARCIA
MARCO A. GARCIA

ARCHITECT:
ARCHITECTO EN CARGO
MARCO A. GARCIA
MARCO A. GARCIA
MARCO A. GARCIA

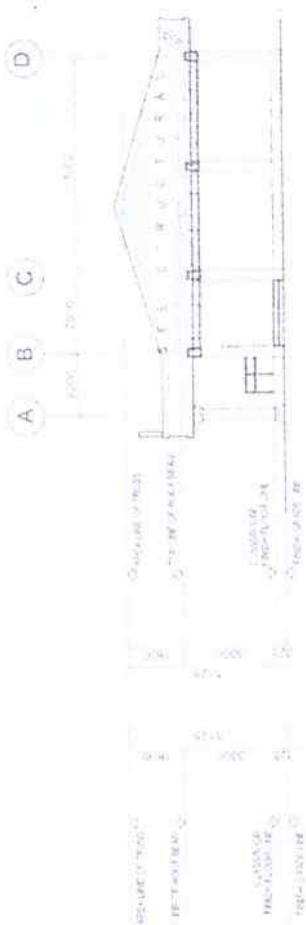
ENGINEER:
INGENIERO EN CARGO
MARCO A. GARCIA
MARCO A. GARCIA
MARCO A. GARCIA

PROJECT NO.
MARCO A. GARCIA
MARCO A. GARCIA
MARCO A. GARCIA

PROPOSED LIBRARY HUB BUILDING

DEPARTMENT OF EDUCATION
PASIG CITY

A-3
5



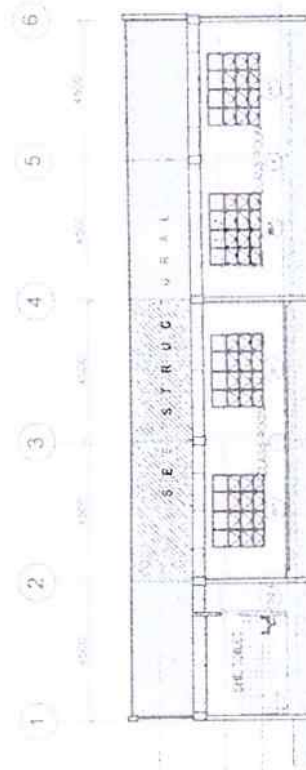
3 CROSS SECTION
A-4 SCALE 1/8" = 1'-0"



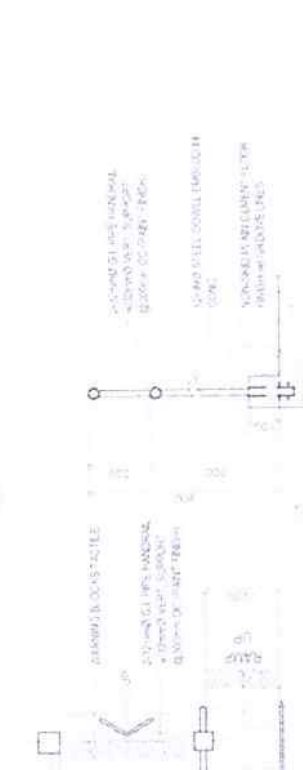
5 BLOW-UP DETAIL - 1 (COUNTER SINK)
A-4 SCALE 1/4" = 1'-0"



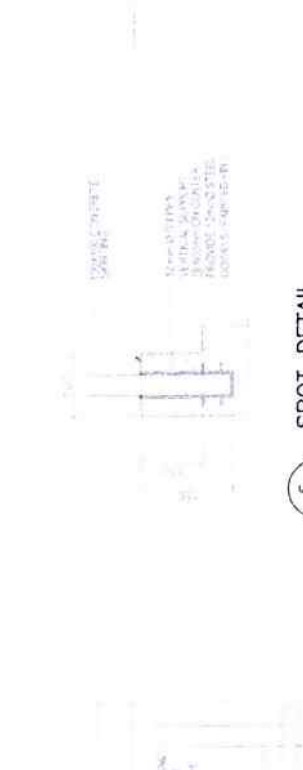
5 BLOW-UP DETAIL - 3 (PWD TOILET)
A-4 SCALE 1/4" = 1'-0"



2 LONGITUDINAL SECTION
A-4 SCALE 1/8" = 1'-0"



4 DETAIL SECTION
A-4 SCALE 1/4" = 1'-0"



5 SPOT DETAIL
A-4 SCALE 1/8" = 1'-0"



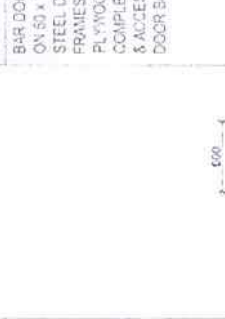
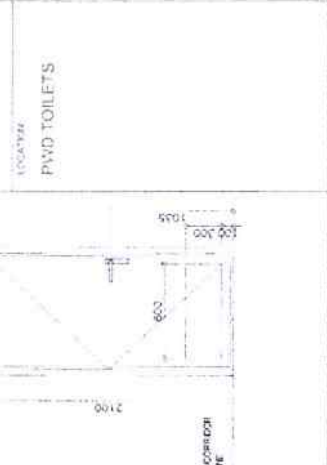
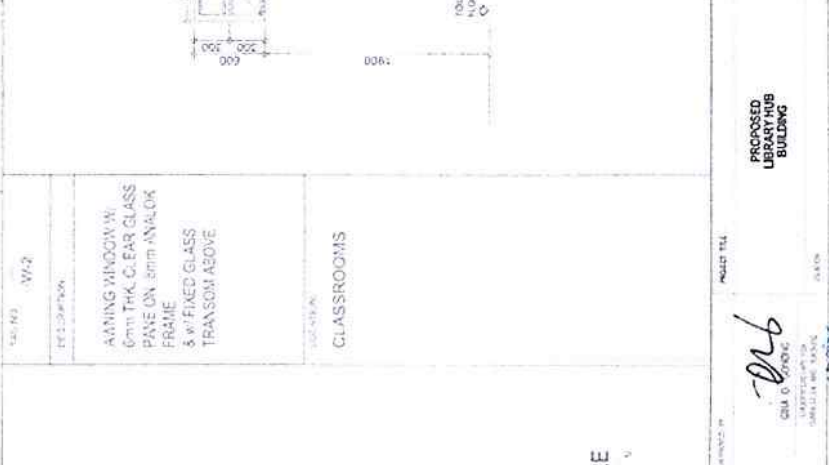
1 DETAIL ELEVATION OF RAMP
A-4 SCALE 1/8" = 1'-0"



6 PLAN OF RAMP
A-4 SCALE 1/8" = 1'-0"



1 DETAIL ELEVATION OF RAMP
A-4 SCALE 1/8" = 1'-0"

<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>CLASSROOM FLOORLINE</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>CONSULTANT ROOM FLOORLINE</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 w/ PROVIDE NICK PLATE w/ LEVER TYPE DOOR KINGS</p> <p>LOCATION PND TOILETS</p>	 <p>PND TOILETS FLOORLINE</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>	<p>HE/SHE TOILETS FLOORLINE</p>
---	--	---	---	--	--	---	--

<p>TAG NO. W-1</p> <p>DESCRIPTION AWNING WINDOW W/ 8mm THK CLEAR GLASS PANE ON 80mm ANALOK FRAME & w/ FIXED GLASS TRANSOM ABOVE</p> <p>LOCATION CLASSROOMS</p>	 <p>CLASSROOM WINDOW FLOORLINE</p>
<p>TAG NO. W-2</p> <p>DESCRIPTION AWNING WINDOW W/ 8mm THK CLEAR GLASS PANE ON 80mm ANALOK FRAME & w/ FIXED GLASS TRANSOM ABOVE</p> <p>LOCATION CLASSROOMS</p>	 <p>CLASSROOM WINDOW FLOORLINE</p>
<p>TAG NO. W-3</p> <p>DESCRIPTION AWNING WINDOW W/ 8mm THK CLEAR GLASS PANE ON 80mm ANALOK FRAME & w/ FIXED GLASS TRANSOM ABOVE</p> <p>LOCATION TOILETS</p>	 <p>TOILET WINDOW FLOORLINE</p>

DOORS AND WINDOWS SCHEDULE

DEPARTMENT OF EDUCATION
DRAFT

PROPOSED LIBRARY/HUB BUILDING

DATE: 2014/07/14

PROJECT NO: A-5
5

PROJECT TITLE: PROPOSED LIBRARY/HUB BUILDING

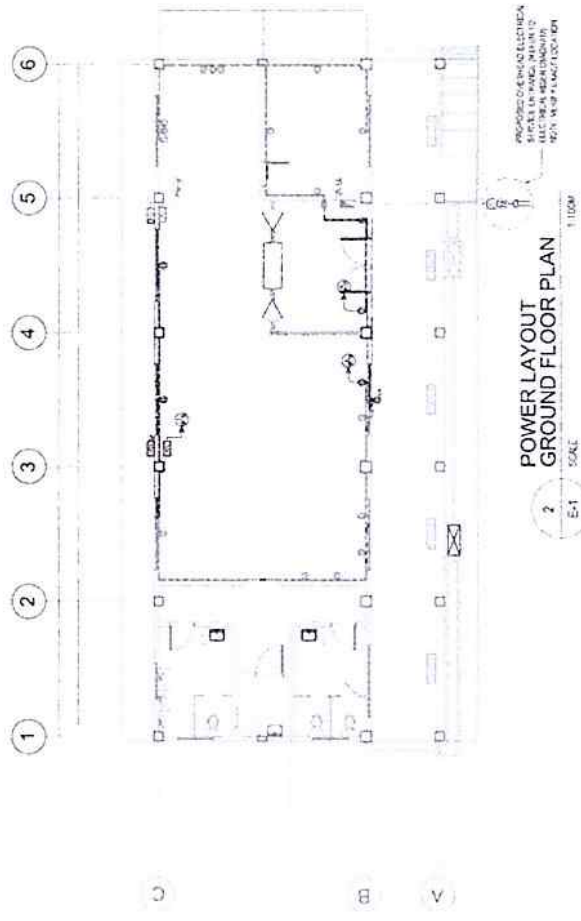
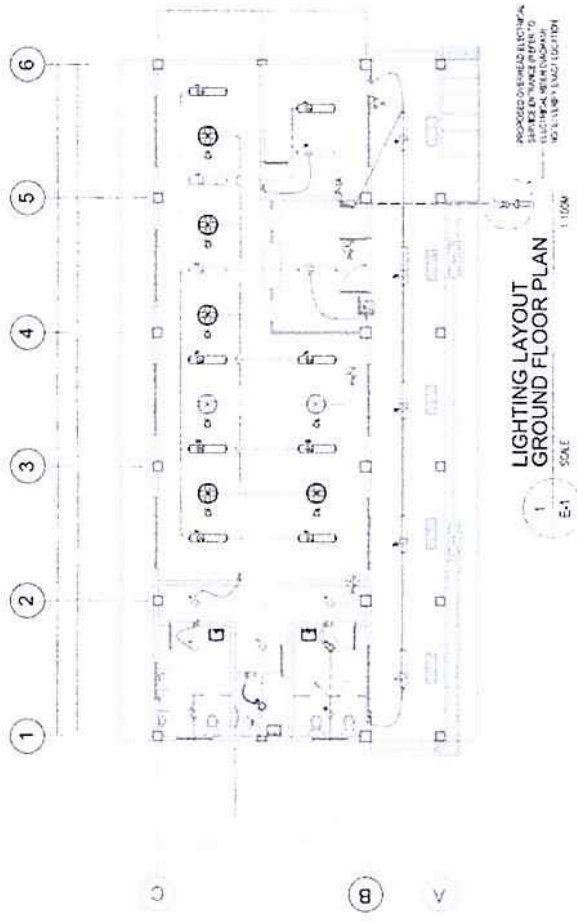
DESIGNED BY: [Signature]

APPROVED BY: [Signature]

DATE: 2014/07/14

SCALE: 1/100

PROJECT NO: A-5
5



LIGHTINGS SPECIFICATION

1	-2x2W LEDTS (IP40)(1700mm) RECESSED-MOUNTED, COB, 5000K-6000K, DAY LIGHT AC 85V - 265V 50/60 Hz (IMBORGARIZED REFLECTOR EGGERATE)
2	-1x2W LED 15 (IP40)(1700mm) RECESSED-MOUNTED, COB, 5000K-6000K, DAY LIGHT AC 85V - 265V 50/60 Hz (IMBORGARIZED REFLECTOR EGGERATE)
3	-15W LED DOWNLIGHT (IP40) RECESSED-MOUNTED, COB, 2700-3500K, WASH LIGHT AC 85V - 265V 50/60 Hz

 DEPED DEPARTMENT OF EDUCATION DepEd	PROPOSED LIBRARY HUB BUILDING	DRAWN BY P. B. LUGO ARCHITECT	CHECKED BY SEDUNG SANCHEZ ELECTRICAL ENGINEER	ESTIMATING ARCHITECT PANSON ARCHITECT	ARCHITECTING ARCHITECT ANZ DELEN ADY D. DAMAN ARCHITECT	APPROVED BY ONIG CONANT UNIVERSITY OF THE PHILIPPINES ARCHITECT	APPROVED BY ONIG CONANT UNIVERSITY OF THE PHILIPPINES ARCHITECT	PROJECT NO. DEPARTMENT OF EDUCATION DepEd	SHEET NO. E-1 2
		DEPARTMENT OF EDUCATION DepEd							

GENERAL NOTES

ALL ELECTRICAL WORK HEREIN SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), EXISTING LOCAL ORDINANCES, AND ALL REGULATIONS OF THE UTILITY COMPANY.

ALL MATERIALS, EQUIPMENT, AND METHODS TO BE PROVIDED BY THE CONTRACTOR SHALL BE NEW AND SHALL BEAT THE EXISTING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE UTILITY COMPANY AND ALL APPLICABLE AGENCIES.

STANDARD TYPE OF ACCESSORIES, INCLUDING SWITCHES, TERMINALS, AND OTHER APPROPRIATE FOR THE ENTIRE SYSTEM INSTALLATION SHALL BE USED.

ALL NEW CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT SHALL BE PROTECTED AGAINST CORROSION.

ALL UNDESIRABLE PARTS OF THE EXISTING SYSTEM SHALL BE REMOVED AND THE SYSTEM SHALL BE REINSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE AGENCIES.

CONDUIT SHALL BE INSTALLED IN PROTECTIVE TUBING AND AT LEAST 18" ABOVE FINISHED FLOOR LEVEL. CONDUIT SHALL BE MADE OF STEEL OR GALV. STEEL UNLESS OTHERWISE SPECIFIED.

ALL WIRING SHALL BE MECHANICALLY AND ELECTRICALLY SECURED TO THE SUPPORTS AND SHALL BE MADE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE AGENCIES.

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CONDUIT SHALL BE INSTALLED IN PROTECTIVE TUBING AND AT LEAST 18" ABOVE FINISHED FLOOR LEVEL. CONDUIT SHALL BE MADE OF STEEL OR GALV. STEEL UNLESS OTHERWISE SPECIFIED.

SCHEDULE OF LOADS

E-2

CIRCUIT NO.		TYPE OF LOAD	AMPERES	VOLTS	WATTS	VA	PHASE
1	1	100W	1.0	120	120	120	1
2	2	200W	2.0	120	240	240	1
3	3	300W	3.0	120	360	360	1
4	4	400W	4.0	120	480	480	1
5	5	500W	5.0	120	600	600	1
6	6	600W	6.0	120	720	720	1
7	7	700W	7.0	120	840	840	1
8	8	800W	8.0	120	960	960	1
9	9	900W	9.0	120	1080	1080	1
10	10	1000W	10.0	120	1200	1200	1
TOTAL LOAD (MAX)			100.0	120	12000	12000	

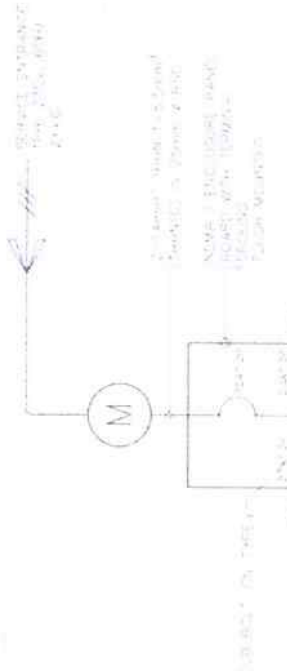
SINGLE LINE DIAGRAM

E-3



ELECTRICAL RISER DIAGRAM

E-3



IMPORTANT NOTES

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), EXISTING LOCAL ORDINANCES, AND ALL REGULATIONS OF THE UTILITY COMPANY.
2. ALL MATERIALS, EQUIPMENT, AND METHODS TO BE PROVIDED BY THE CONTRACTOR SHALL BE NEW AND SHALL BEAT THE EXISTING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE UTILITY COMPANY AND ALL APPLICABLE AGENCIES.
4. CONDUIT SHALL BE INSTALLED IN PROTECTIVE TUBING AND AT LEAST 18" ABOVE FINISHED FLOOR LEVEL.
5. ALL WIRING SHALL BE MECHANICALLY AND ELECTRICALLY SECURED TO THE SUPPORTS.

DEPARTMENT OF EDUCATION
 OFFICE OF THE SUPERINTENDENT OF PUBLIC INSTRUCTION
 1000 N. GARDEN AVENUE, SUITE 1000, PHOENIX, AZ 85001
 PHONE: (602) 971-4000
 FAX: (602) 971-4001
 WWW: www.azdeped.gov

GENERAL CONSTRUCTION NOTES

GENERAL NOTES

- 1. SEE ARCHITECTURAL AND REFERENCED DRAWINGS FOR ALL DIMENSIONS AND LOCATIONS... 2. DESIGN CRITERIA A. DEAD LOAD... B. LIVE LOAD... C. WIND LOAD...

Table with 2 columns: Item, Description. Includes notes on column locations, reinforcement, and design stresses.

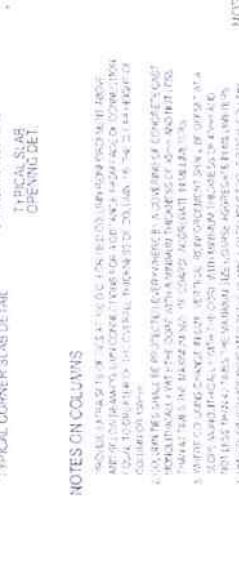
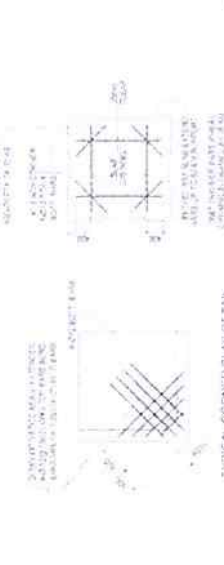
Table with 2 columns: Item, Description. Includes notes on reinforcement and design stresses.

Table with 2 columns: Item, Description. Includes notes on reinforcement and design stresses.

Table with 2 columns: Item, Description. Includes notes on reinforcement and design stresses.

NOTES ON CONCRETE MIXES & PLACING

- 1. ALL CONCRETE SHALL BE OF EQUAL STRENGTH... 2. SCHEDULE OF VARIATION SLAB REINFORCEMENT... 3. NOTES ON REINFORCEMENT... 4. TYPICAL CORNER SLAB DETAIL...



Vertical strip on the right side of the page containing project information, signatures, and a logo for 'DePED' (Department of Education).

SCHEDULE OF TOP SLAB REINFORCEMENT

NO.	DESCRIPTION	REMARKS
1	TOP SLAB REINFORCEMENT	AS PER DRAWING
2	REINFORCEMENT FOR WALLS	AS PER DRAWING
3	REINFORCEMENT FOR COLUMN	AS PER DRAWING



DETAIL SECTION B



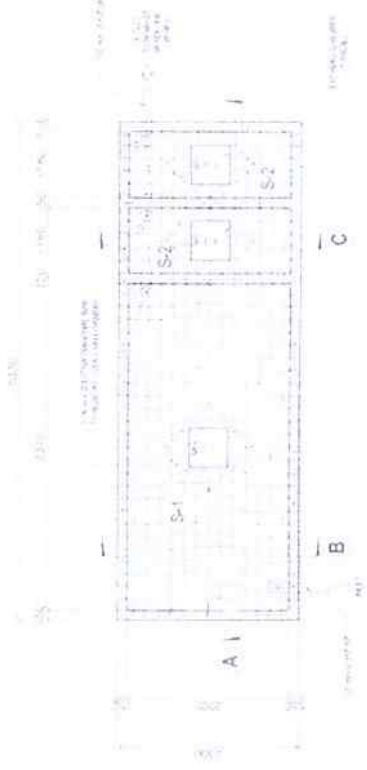
DETAIL SECTION C



DETAIL SECTION A

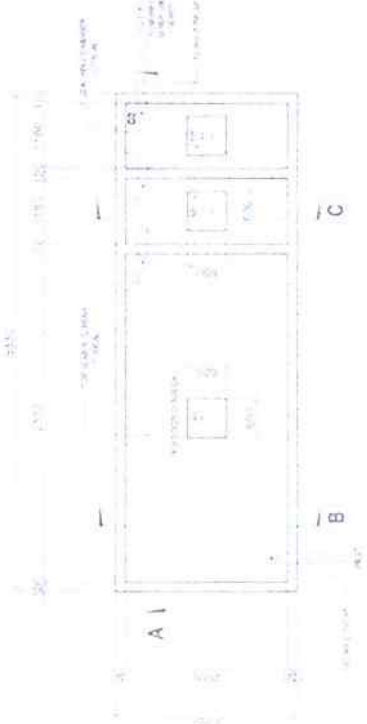


DETAIL SECTION A



DETAIL PLAN (TOP SLAB)

2. DETAIL OF SEPTIC VAULT (with REINFORCING BARS)



DETAIL PLAN (TOP SLAB)

1. DETAIL OF SEPTIC VAULT

GENERAL CONSTRUCTION NOTES

TABLE 1
MINIMUM REINFORCEMENT PERCENTAGES FOR CONCRETE

Grade of Concrete	Grade of Reinforcing Bars	Slabs	Walls	Columns	Beams
M 20	R 20	0.12	0.10	0.8	0.8
	R 16	0.12	0.10	0.8	0.8
M 15	R 20	0.10	0.08	0.8	0.8
	R 16	0.10	0.08	0.8	0.8
M 10	R 20	0.08	0.06	0.8	0.8
	R 16	0.08	0.06	0.8	0.8

NOTE: 1. REINFORCEMENT PERCENTAGES ARE BASED ON GRADE OF CONCRETE AND GRADE OF REINFORCING BARS.
2. REINFORCEMENT PERCENTAGES FOR BEAMS SHALL BE IN ACCORDANCE WITH THE DESIGN REQUIREMENTS.

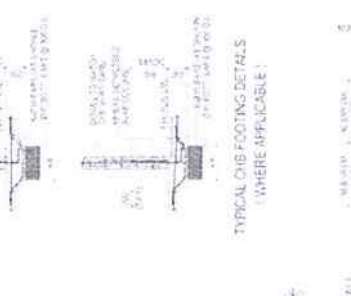
TABLE 2
REINFORCING CONCRETE LINTEL BEAMS IN CONCRETE BLOCK WALLS

Block Size	Lintel Height	Top Reinforcement	Bottom Reinforcement
150x200	150	2R20	2R16
200x200	200	2R20	2R16
250x200	250	2R20	2R16
300x200	300	2R20	2R16
350x200	350	2R20	2R16
400x200	400	2R20	2R16
450x200	450	2R20	2R16
500x200	500	2R20	2R16



NOTES ON STRIPLIPS

1. STRIPLIPS SHALL BE OF THE TYPE AS SPECIFIED BY THE MANUFACTURER.
2. STRIPLIPS SHALL BE OF THE TYPE AS SPECIFIED BY THE MANUFACTURER.
3. STRIPLIPS SHALL BE OF THE TYPE AS SPECIFIED BY THE MANUFACTURER.

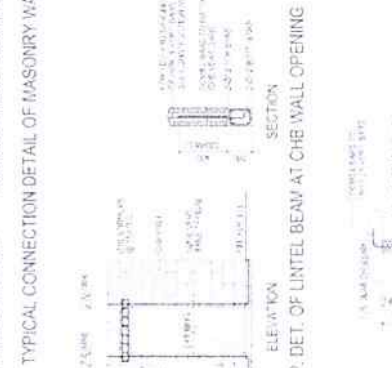


NOTES ON CONSTRUCTION JOINTS IN CONCRETE

1. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.
2. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.
3. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.

TABLE 3
MINIMUM REINFORCEMENT PERCENTAGES FOR CONCRETE

Grade of Concrete	Grade of Reinforcing Bars	Slabs	Walls	Columns	Beams
M 20	R 20	0.12	0.10	0.8	0.8
	R 16	0.12	0.10	0.8	0.8
M 15	R 20	0.10	0.08	0.8	0.8
	R 16	0.10	0.08	0.8	0.8
M 10	R 20	0.08	0.06	0.8	0.8
	R 16	0.08	0.06	0.8	0.8



NOTES ON CONSTRUCTION JOINTS IN CONCRETE

1. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.
2. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.
3. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.

TABLE 4
MINIMUM REINFORCEMENT PERCENTAGES FOR CONCRETE

Grade of Concrete	Grade of Reinforcing Bars	Slabs	Walls	Columns	Beams
M 20	R 20	0.12	0.10	0.8	0.8
	R 16	0.12	0.10	0.8	0.8
M 15	R 20	0.10	0.08	0.8	0.8
	R 16	0.10	0.08	0.8	0.8
M 10	R 20	0.08	0.06	0.8	0.8
	R 16	0.08	0.06	0.8	0.8

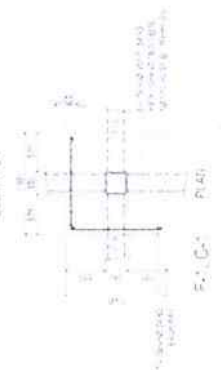
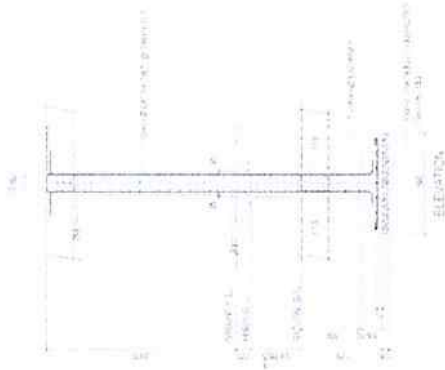


NOTES ON CONSTRUCTION JOINTS IN CONCRETE

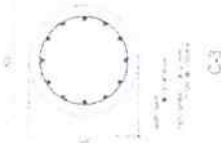
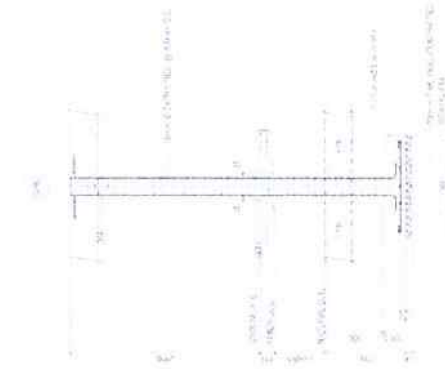
1. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.
2. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.
3. CONSTRUCTION JOINTS SHALL BE PROVIDED AT THE END OF EACH DAY'S WORK.

TABLE 5
MINIMUM REINFORCEMENT PERCENTAGES FOR CONCRETE

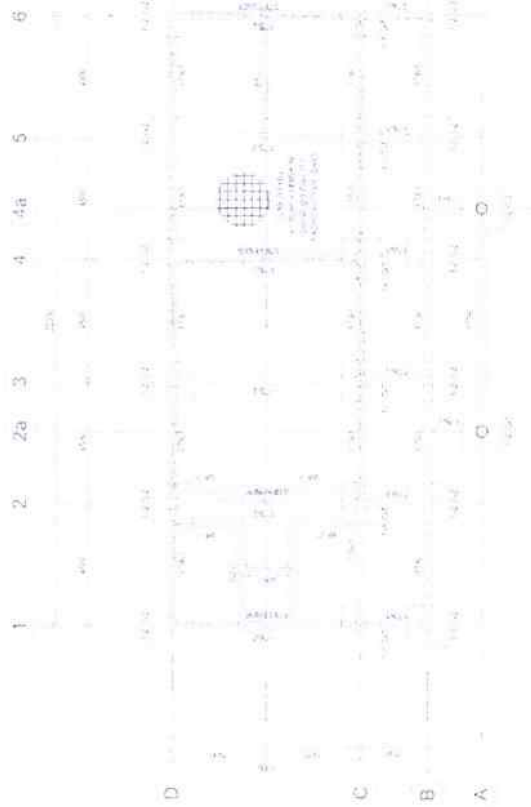
Grade of Concrete	Grade of Reinforcing Bars	Slabs	Walls	Columns	Beams
M 20	R 20	0.12	0.10	0.8	0.8
	R 16	0.12	0.10	0.8	0.8
M 15	R 20	0.10	0.08	0.8	0.8
	R 16	0.10	0.08	0.8	0.8
M 10	R 20	0.08	0.06	0.8	0.8
	R 16	0.08	0.06	0.8	0.8



3. DETAIL OF COLUMNS AND FOOTINGS
S-3 1/2" x 1/4" = 1" = 1'



3. DETAIL OF COLUMNS AND FOOTINGS
S-3 1/2" x 1/4" = 1" = 1'



1. FOUNDATION PLAN
S-3 1/2" x 1/4" = 1" = 1'



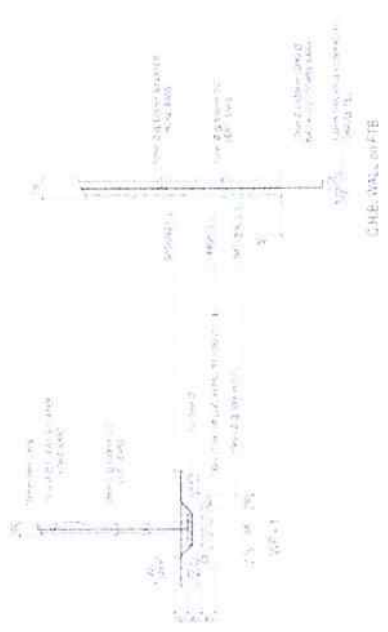
2. DETAIL OF FOOTING TIE BEAMS
S-3 1/2" x 1/4" = 1" = 1'



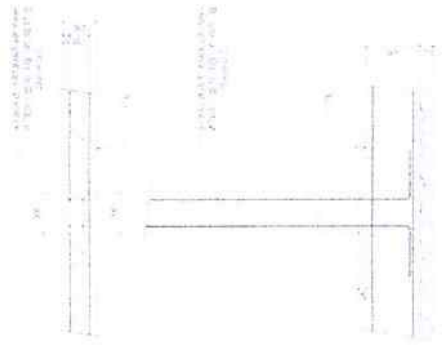
2. DETAIL OF FOOTING TIE BEAMS
S-3 1/2" x 1/4" = 1" = 1'



2. DETAIL OF FOOTING TIE BEAMS
S-3 1/2" x 1/4" = 1" = 1'



3. DETAILS OF WALL FOOTINGS
S-3 1/2" x 1/4" = 1" = 1'



5. STIFFENER DETAIL
S-3 1/2" x 1/4" = 1" = 1'



SECTION-1
ELEVATION
S-4



SECTION-2
ELEVATION
S-4



SECTION-3
ELEVATION
S-4

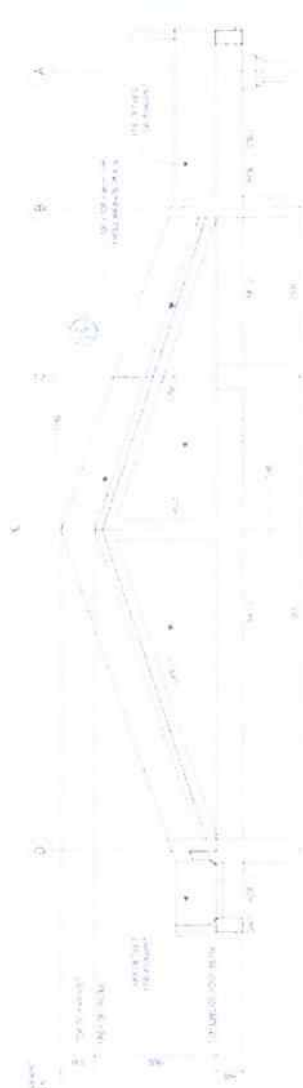


SECTION-4
ELEVATION
S-4

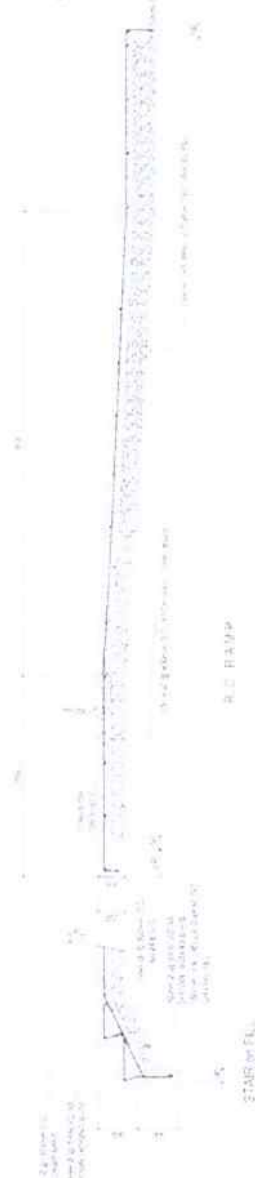


SECTION-5
ELEVATION
S-4

ELEVATION
S-4



END-WALL DETAIL
S-4



DETAIL SECTIONS OF STAIR ON FILL AND R.C. RAMP
S-4



DETAIL OF R.C. GUTTER
S-4

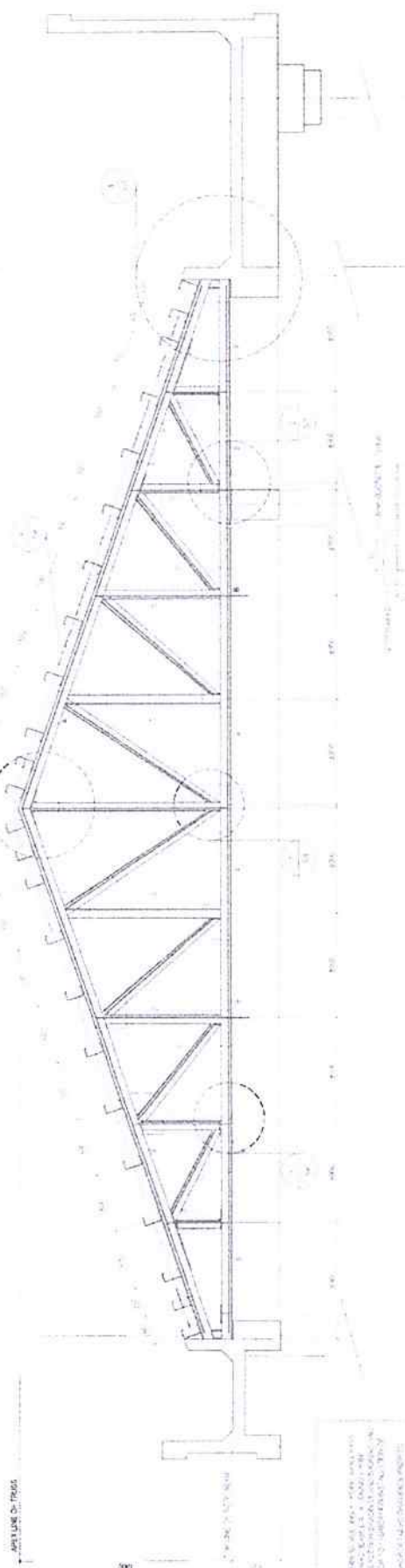
DETAIL A

DETAIL B



DETAIL OF GB-1, LRB-1 & PC-1
S-4

<p>DEPARTMENT OF EDUCATION DIVISION OFFICE - CAGAYAN DE ORO</p>	<p>PROPOSED LIBRARY/ARJ BUILDING</p>	<p>DEPARTMENT OF EDUCATION Div. ORO</p>	<p>S-4 8</p>
<p>DESIGNED BY: <i>[Signature]</i></p>	<p>CHECKED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>DATE: _____</p>

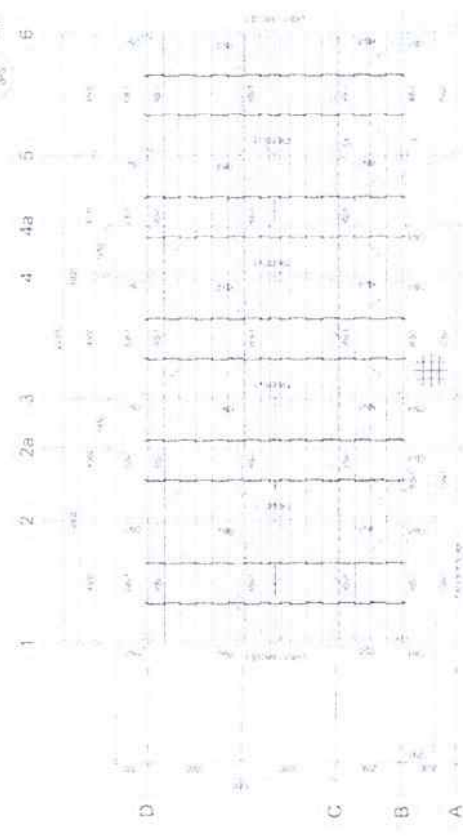


1 DETAIL ELEVATION OF TRUSS
5-5

SCHEDULE OF MEMBERS AND WELDS

MARK	MEMBER	SIZE	WELD	REMARKS
1	TOP CHORD	4x8	1/4"	
2	DIAGONAL	4x8	1/4"	
3	VERTICAL	4x8	1/4"	
4	CHORD	4x8	1/4"	
5	CHORD	4x8	1/4"	
6	CHORD	4x8	1/4"	

3 REFERENCE WELD DETAIL
5-4

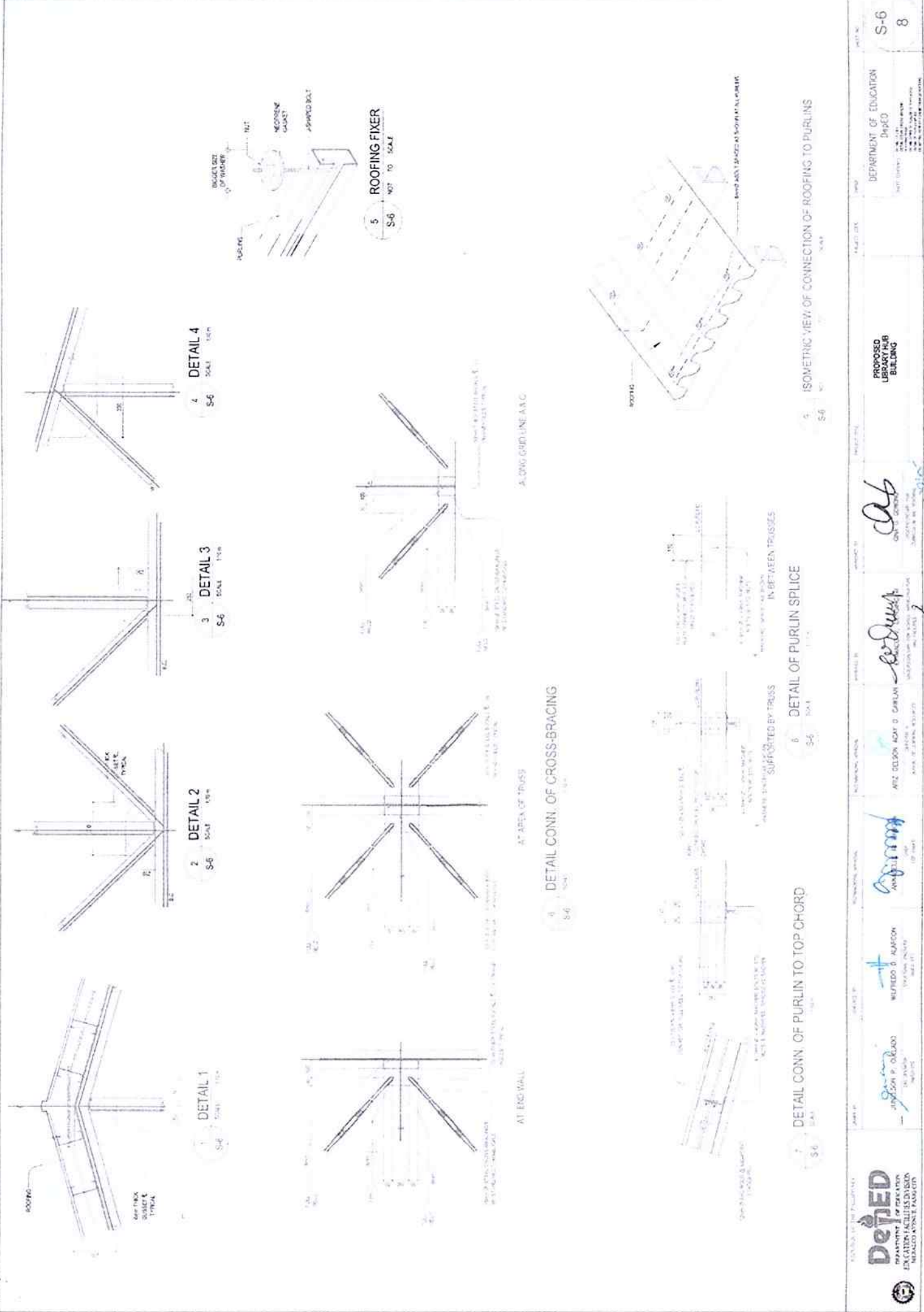


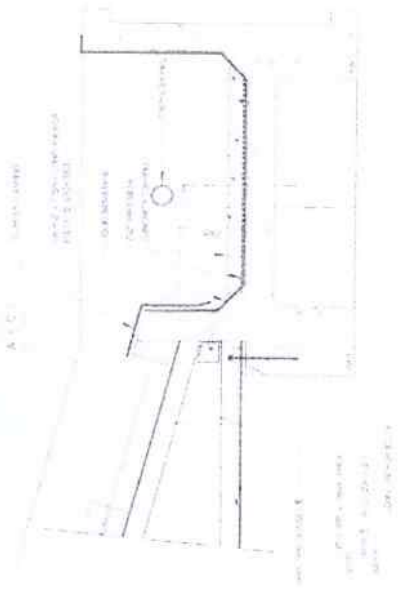
1 ROOF FRAMING PLAN
5-5

2 OVERLAP WELD DETAIL
5-4

NOTE ON NO OF CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF THE ARCHITECT. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT IDENTIFIED HEREON.

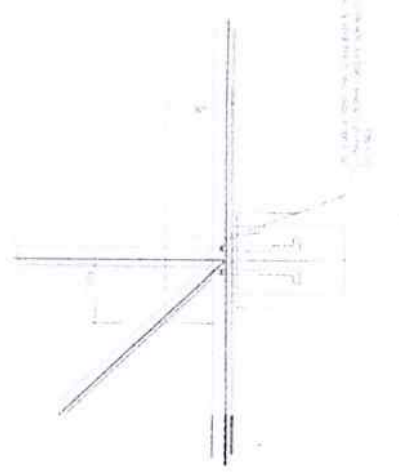




1 DETAIL OF TRUSS ANCHORAGE @ GRID LN. A & D
S-7 SCALE 1/8" = 1'-0"



4 J-BOLT SPACING
S-7 SCALE 1/2" = 1'-0"



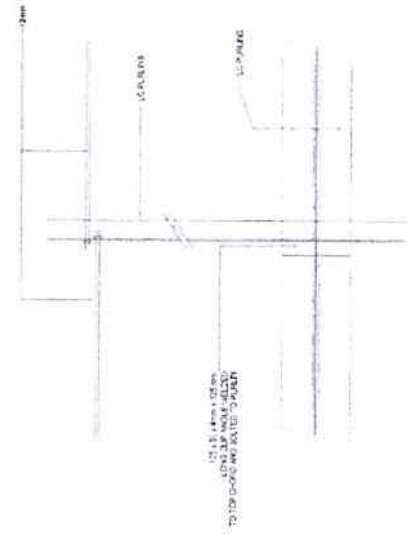
2 DETAIL OF TRUSS ANCHORAGE @ GRID LN. C
S-7 SCALE 1/8" = 1'-0"



5 ROOF PANEL SIDE LAP DETAIL
S-7 SCALE 1/2" = 1'-0"



3 DETAIL CONN. OF PURLINS TO END-WALL
S-7 SCALE 1/8" = 1'-0"



6 DETAIL OF PURLIN TO SAG ROD CONNECTION
S-7 SCALE 1/8" = 1'-0"


DUPED
 DEPARTMENT OF EDUCATION
 EDUCATION FACILITIES DIVISION
 HUNTSVILLE, ALABAMA

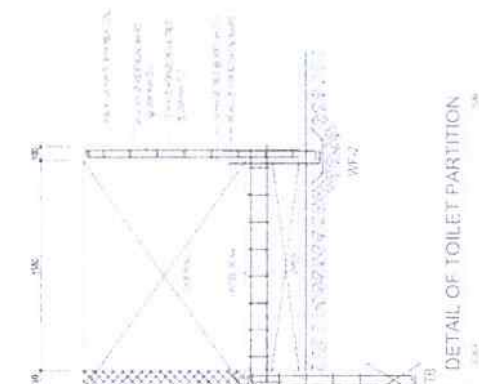
PROJECT NO. S-7
 SHEET NO. 8

DEPARTMENT OF EDUCATION
 PROJECT
 PROPOSED
 UNIVERSITY
 BUILDING

DESIGNED BY: *ANABELLE R. TAYLOR*
 CHECKED BY: *ARIZ DELSON KAY D. CUMLAN*
 DRAWN BY: *ARIZ DELSON KAY D. CUMLAN*
 DATE: 11/11/11

REVIEWED BY: *ARIZ DELSON KAY D. CUMLAN*
 DATE: 11/11/11

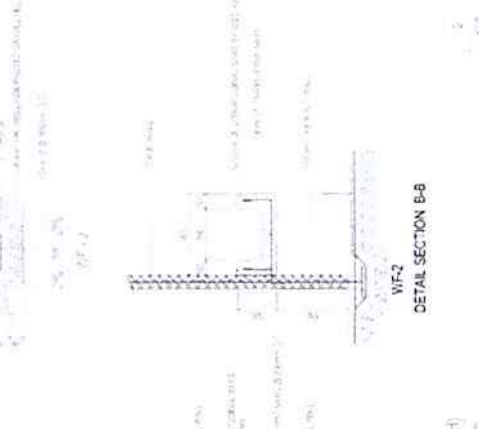
APPROVED BY: *[Signature]*
 DATE: 11/11/11



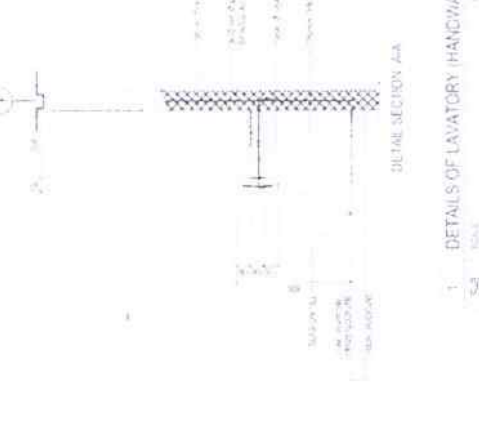
7 DETAIL OF TOILET PARTITION
S-8 1/8\"/>



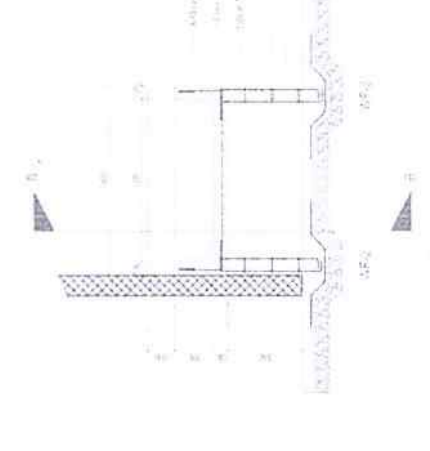
8 DETAIL - 4 (CONC. SEATING DETAIL)
S-8 1/8\"/>



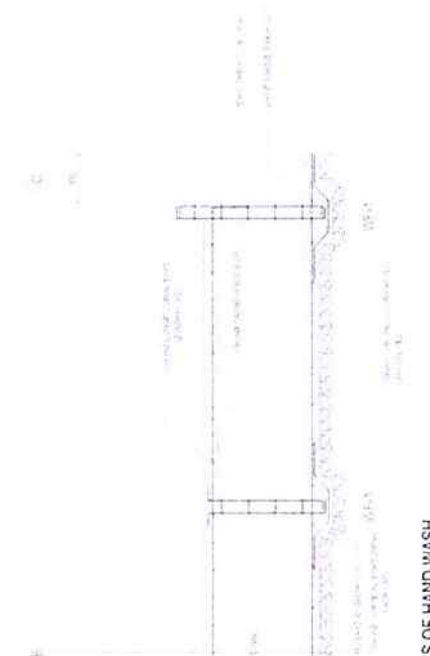
9 DETAIL SECTION B-B
S-8 1/8\"/>



1 DETAILS OF LAVATORY (HANDWASH)
S-8 1/8\"/>



3 DETAILS OF LAVATORY & TOILET
S-8 1/8\"/>



5 DETAILS OF HAND WASH
S-8 1/8\"/>

DEPARTMENT OF EDUCATION
DepED

PROJECT NO. S-8
8

PROPOSED LIBRARY HUB BUILDING

APPROVED BY: *[Signature]*
SCHOOL DIVISION OFFICER

APPROVED BY: *[Signature]*
SCHOOL DIVISION OFFICER

APPROVED BY: *[Signature]*
SCHOOL DIVISION OFFICER

DESIGN BY: *[Signature]*
JUAN P. GILADO
DESIGNER

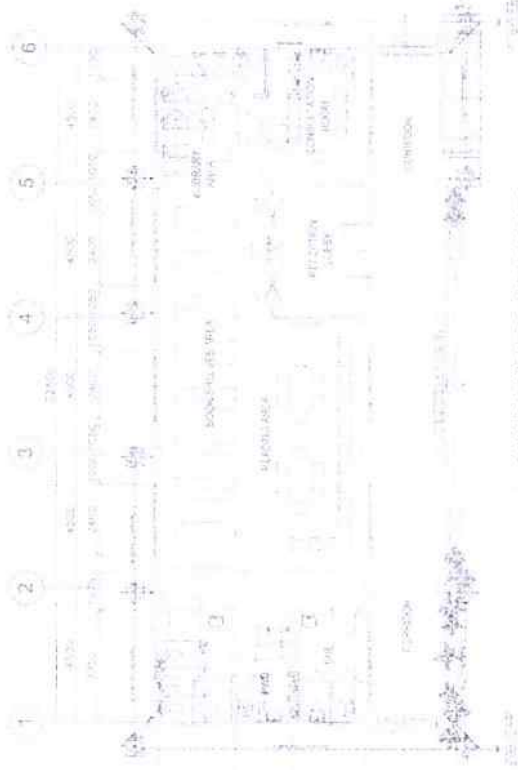
REVISIONS BY: *[Signature]*
ANITA
CHECKER

REVISIONS BY: *[Signature]*
ARZ DOLSON AGAY D. CARLAN
CHECKER

REVISIONS BY: *[Signature]*
SCHOOL DIVISION OFFICER

DEPARTMENT OF EDUCATION
DepED

PROJECT NO. S-8
8



1 WATER LINE LAYOUT



2 SEWER LINE LAYOUT



3 STORM DRAINAGE LAYOUT

DESIGNED BY: *Jason P. Delgado*
 DATE: 08/20/2024

CHECKED BY: *[Signature]*
 DATE: 08/20/2024

APPROVED BY: *[Signature]*
 DATE: 08/20/2024

PROJECT NO.: 4724-D (MARIKINA CITY)
 PROJECT NAME: RECEPTION OF BANGSA, ANTI-DRUG AND ANTI-TERRORISM TRAINING CENTER

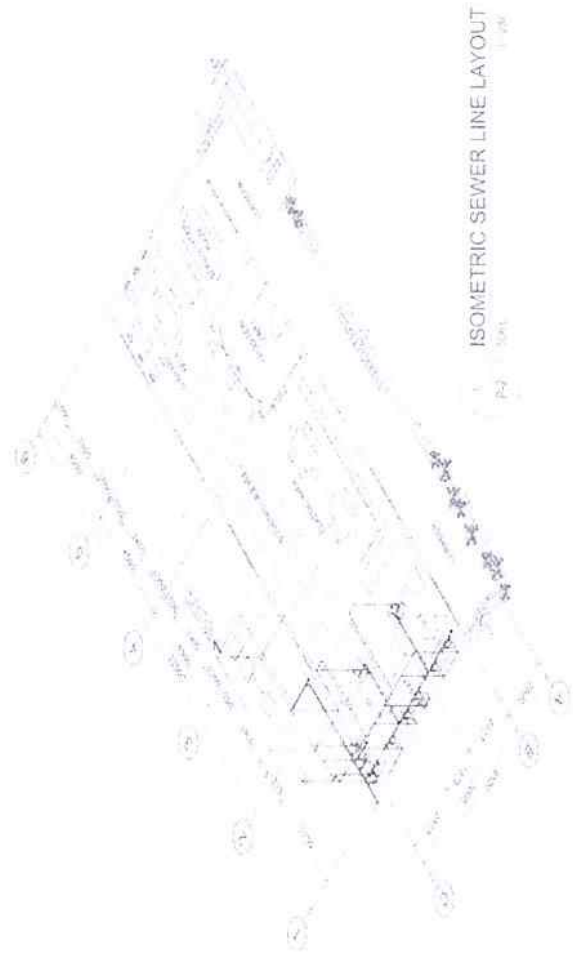
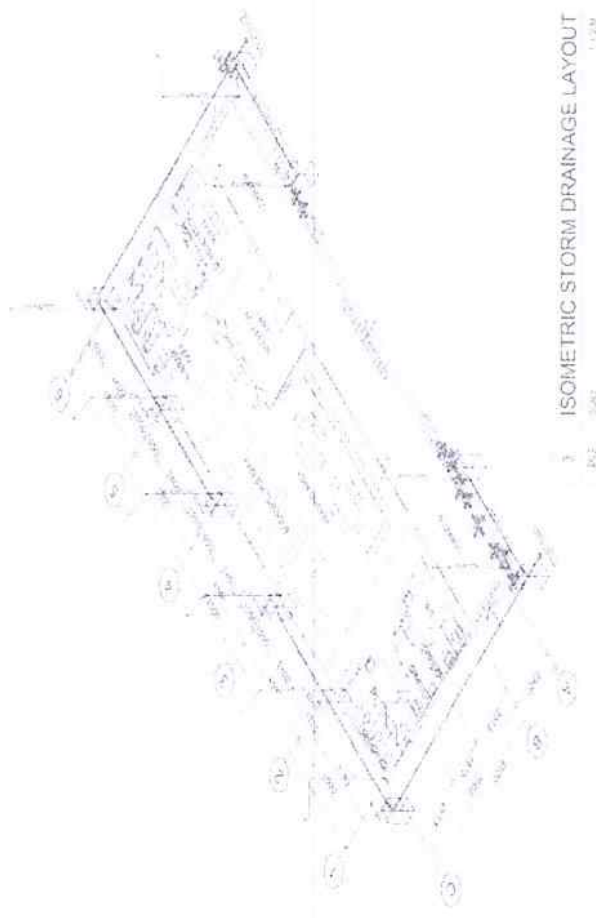
PROJECT LOCATION: MARIKINA CITY, CAVITE

PROJECT OWNER: DEPARTMENT OF EDUCATION
 PROJECT MANAGER: *[Signature]*
 PROJECT ENGINEER: *[Signature]*

PROPOSED LIBRARY HUB BUILDING

DEPARTMENT OF EDUCATION
 DepED

SHEET NO.
P-1
4



<p>DEPARTMENT OF EDUCATION DepEd</p>	<p>PROJECT NO. P-2</p>
	<p>4</p>
<p>PROPOSED LIBRARY/HR BUILDING</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>
<p><i>CRB</i> DR. C. ROMERO SUPERVISOR OF CONSTRUCTION</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>
<p><i>es down</i> ESPERANZA S. DOWN PROJECT ARCHITECT</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>
<p>MR. DELSON ACAY B. CARAN PROJECT ARCHITECT</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>
<p><i>gimmi</i> GIMMI PROJECT ARCHITECT</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>
<p><i>ALBERT</i> ALBERT PROJECT ARCHITECT</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>
<p><i>JOSE</i> JOSE PROJECT ARCHITECT</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>
<p>DepEd DEPARTMENT OF EDUCATION OFFICE OF THE SUPERVISOR OF CONSTRUCTION</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>

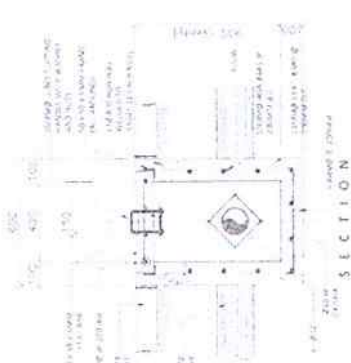
PLUMBING NOTES:

- GRADES OF HORIZONTAL PIPING RUNNALS, HORIZONTAL FIRMS IN PERFECT ALIGNMENT AND AT A 2% GRADE OF NOT LESS THAN TWO PERCENT (2%).
- CHANGE IN DIRECTION ALL CHANGE IN DIRECTION SHALL BE MADE BY APPROXIMATE USE OF FORTY FIVE DEGREES (45) TWELVE LONG SWEEP QUARTER BEND, SIX EIGHT OR SIXTY FIVE BENDS. WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL A BEND COMBINATION MAY BE USED ON VERTICAL STACKS AND SIGHT OR BENTERS MAY BE USED ON WASTE LINE (TEE AND CROSS) MAY BE USED IN VENT PIPES.
- PROHIBITED FITTINGS NO DOUBLE END OR TEE BRANCH SHALL BE USED ON HORIZONTAL WASTE LINES - THE DRILLING AND TAPPING OF HOLES DRAIN FITTE OR VENT PIPES AND USE OF SANDAL-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 DIRECTION (45 DEGREE TO 180 DEGREE) AND ONE-HALF DEGREE (90 DEGREE).
 - ONE AND ONE-HALF FEETERS (1.50 m) INSIDE THE PROPERTY LINE BEFORE THE PUMP DRAINAGE CONNECTION.
 - EVERY FIFTEEN METERS (15.20 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.

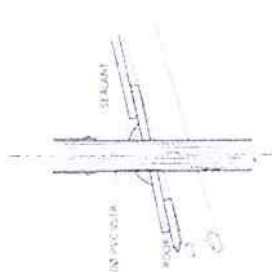
PLUMBING LEGEND:

CO	CARBON STEEL
CO	CLEAN OUT
CV	CHECK VALVE
FD	FLOOR DRAIN
H6	HOSE BIBB
GJ	GALVANIZED IRON
GT	GLASS TAP
GV	GATE VALVE
LAV	LAVATORY
MS	KITCHEN SINK
MH	MANHOLE
PPRC OWL	POLYPROPYLENE RANDOM COPOLYMER COOL WATER LINE, TYPE 3 PN 20 (ISO 15717, JOINING BY SOCKET FUSION)
PPRC DWR	POLYPROPYLENE RANDOM COPOLYMER COLD WATER RISER, TYPE 3 PN 20 (ISO 15717, JOINING BY SOCKET FUSION)
PVC DP	POLY(VINYL CHLORIDE) DRAIN PIPE (SERIES 1000) (ASTM D2729 / ASTM D3111 ISO 4433 / ASTM D2584)
PVC OS	POLY(VINYL CHLORIDE) DOWNSPILT (SERIES 1000) (ASTM D2729 / ASTM D3111 ISO 4433 / ASTM D2584)

PVC SP	POLY(VINYL CHLORIDE) SOL PIPE (SERIES 1000) (ASTM D2729 / ASTM D3111 ISO 4433 / ASTM D2584)
PVC SS	POLY(VINYL CHLORIDE) SOIL STACK (SERIES 1000) (ASTM D2729 / ASTM D3111 ISO 4433 / ASTM D2584)
PVC VP	POLY(VINYL CHLORIDE) VENT PIPE (SERIES 600) (ASTM D2729 / ASTM D3111 ISO 4433 / ASTM D2584)
PVC VS	POLY(VINYL CHLORIDE) VENT STACK (SERIES 600) (ASTM D2729 / ASTM D3111 ISO 4433 / ASTM D2584)
PVC VR	POLY(VINYL CHLORIDE) VENT THROUGH ROOF (SERIES 600) (ASTM D2729 / ASTM D3111 ISO 4433 / ASTM D2584)
PVC WP	POLY(VINYL CHLORIDE) WASTE PIPE (SERIES 1000) (ASTM D2729 / ASTM D3111 ISO 4433 / ASTM D2584)
RD	ROOF DRAIN
SD	SINK DRAIN
UD	URINAL DRAIN
WC	WATER CLOSET
WM	WATER METER



VENT STACK THRU ROOF



CATCH BASIN DETAILS



FLOOR DRAIN DETAILS



DePED
DEPARTMENT OF EDUCATION
EDUCATION HUMAN RESOURCE DEVELOPMENT DIVISION

DATE: 08/15/2023
DRAWN BY: JONAS P. CLAUDIO
CHECKED BY: ALDO J. LARSEN
APPROVED BY: [Signature]

REVISIONS:
1. REVISION: [Signature]
2. REVISION: [Signature]

PROJECT NO.:
PROJECT FILE:
PROPOSED LIBRARY HUB BUILDING



Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION

REGIONAL MEMORANDUM
ORD-2024- _____

TO : **SCHOOLS DIVISION SUPERINTENDENTS**
SDO Caloocan City
SDO Las Piñas City
SDO Manila
SDO Paranaque City
SDO Quezon City

FROM : **JOCELYN DR. ANDAYA**
Regional Director

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

DATE : **May 7, 2024**

1. This is in reference to the attached Joint Memorandum, from Atty. Ariz Delson Acay D. Cawilan, Director IV, Bureau of Learning Resources, and Marjorie R. Tiburcio, Engineer IV, Officer-in-Charge, Education Facilities Division, on the above-stated subject, for information and appropriate action.
2. Relative to this, the identified SDOs are requested to accomplish and submit the forms, using the attached templates on or before May 10, 2024 to the email address indicated in the said Memorandum.
3. Immediate dissemination of this Memorandum is desired.

CLMD/LRMS Section



Address: 6 Misamis St. Bago Bantay, Quezon City
Email Address: ncr@deped.gov.ph
Website: <https://www.depedncr.com.ph>

Doc. Ref. Code	RO-ORD-F005	Rev	00
Effectivity	01.26.23	Page	1 of 1