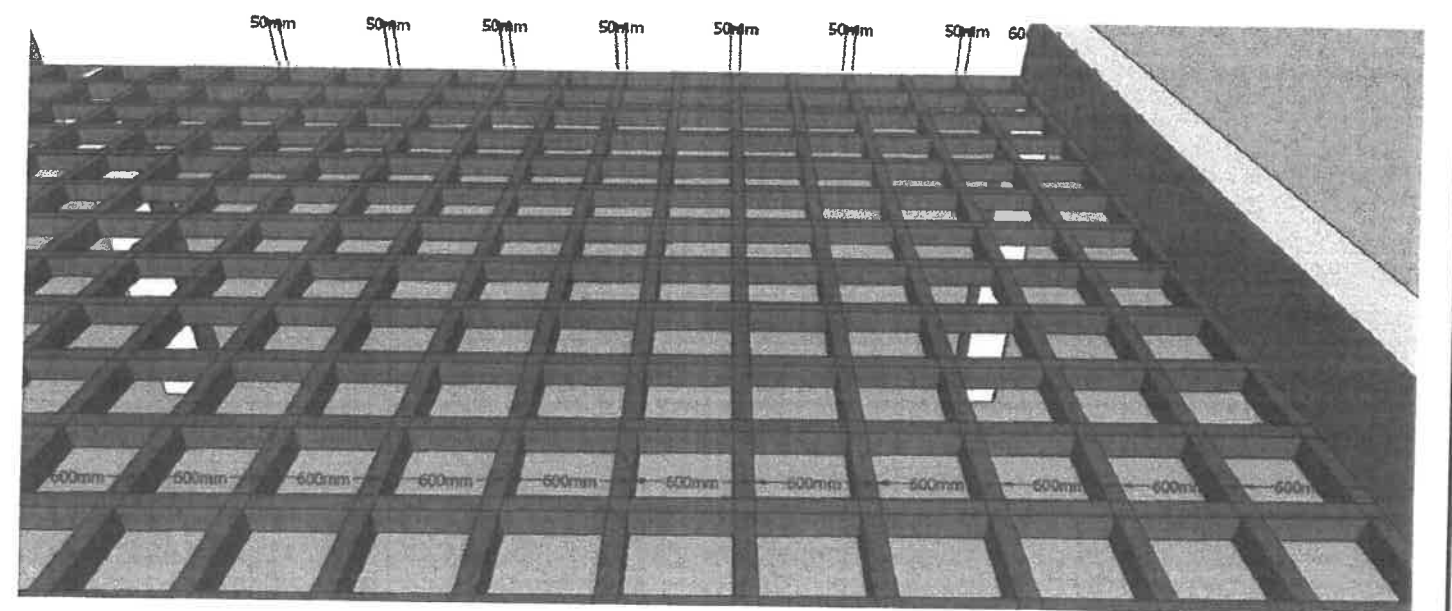
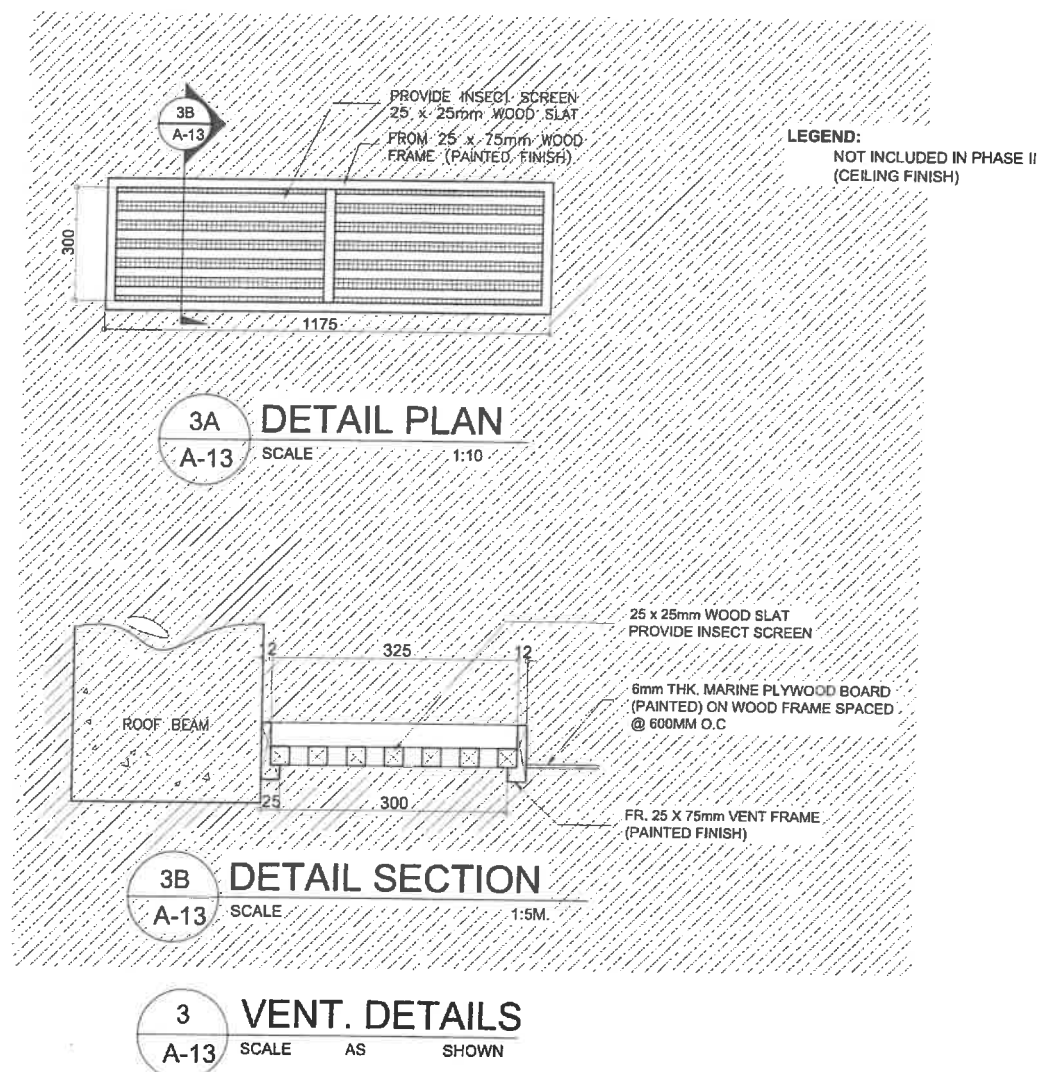
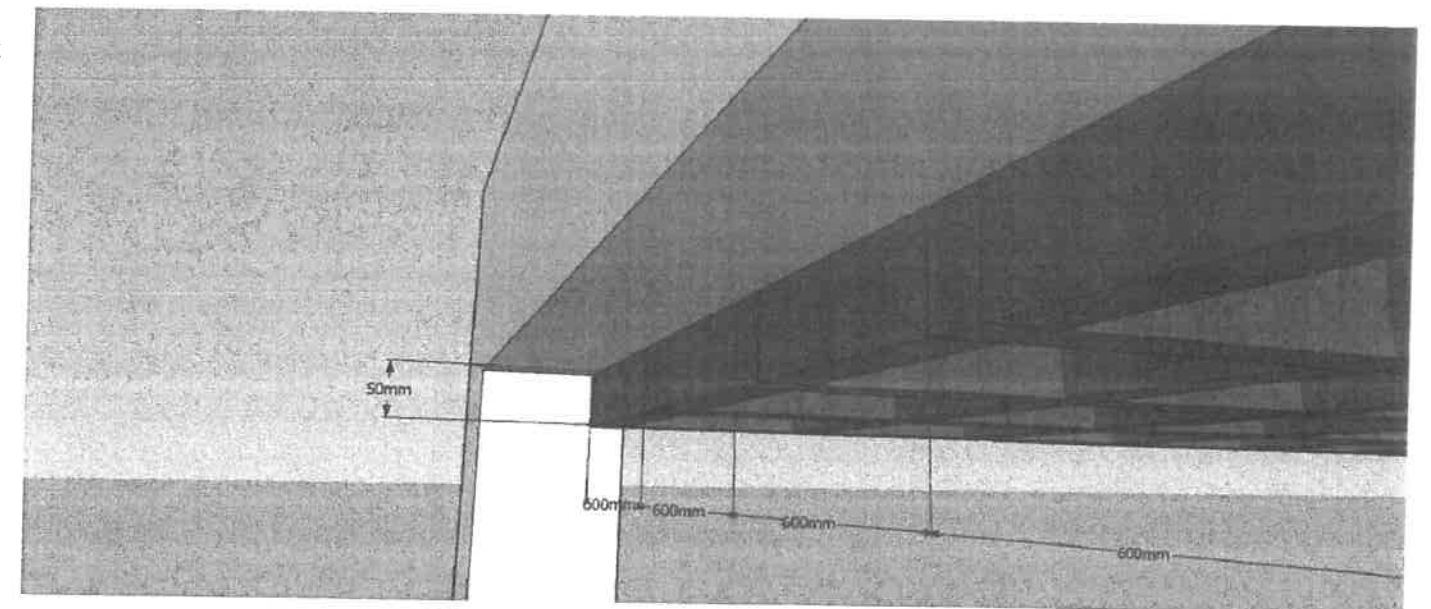
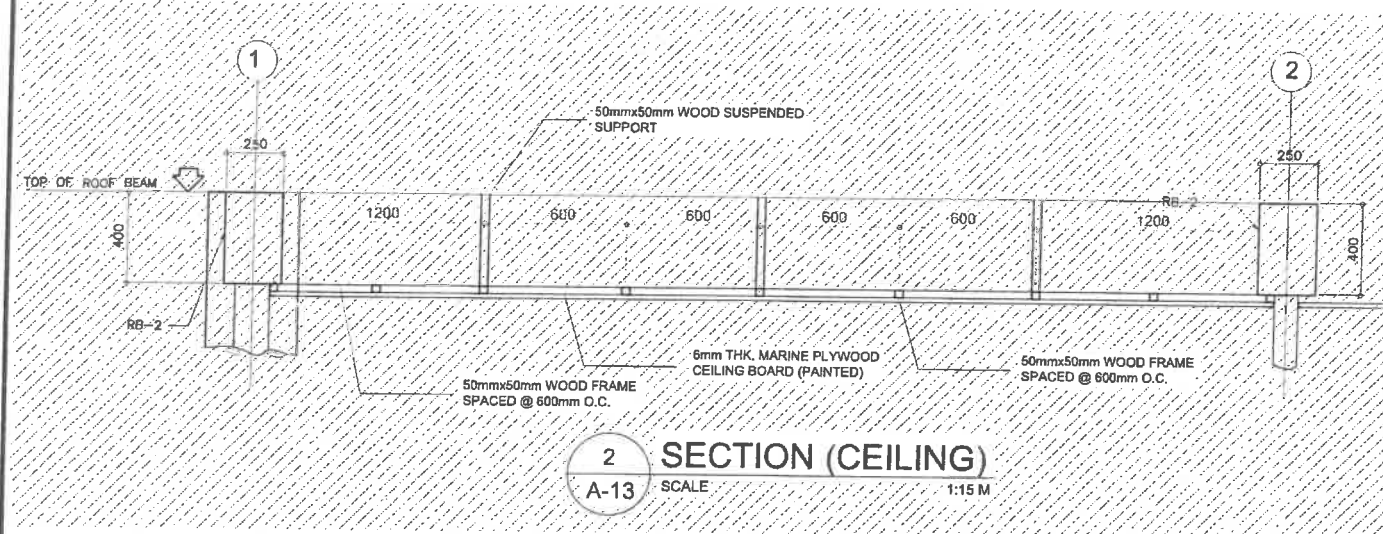




Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
Cataman, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, NORTHERN SAMAR

SHEET CONTENTS:
PERSPECTIVE CEILING
SECTION CEILING

DESIGNED:
BURT DIONALDO N. LUCINARIO
ARCHITECT II
Date:

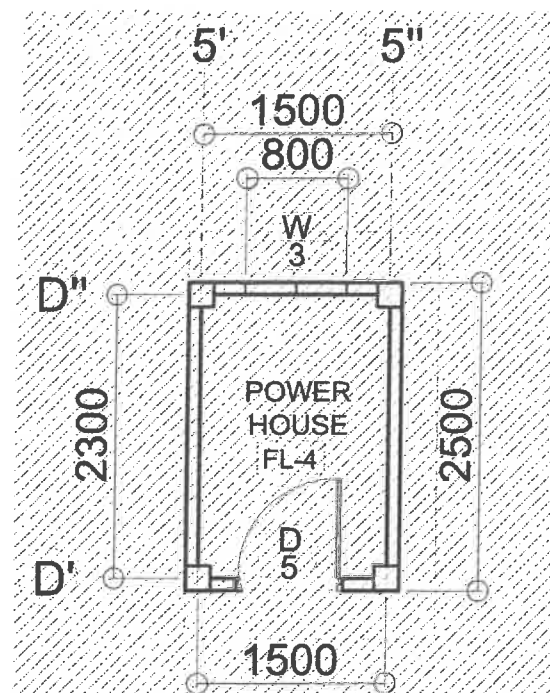
REVIEWED:
MAR DIONALDO N. EIMAN
ASST. CHIEF, PLANNING & DESIGN SECTION
Date:

SUBMITTED:
ANDY S. EREÑO
CHIEF, PLANNING & DESIGN SECTION
Date:

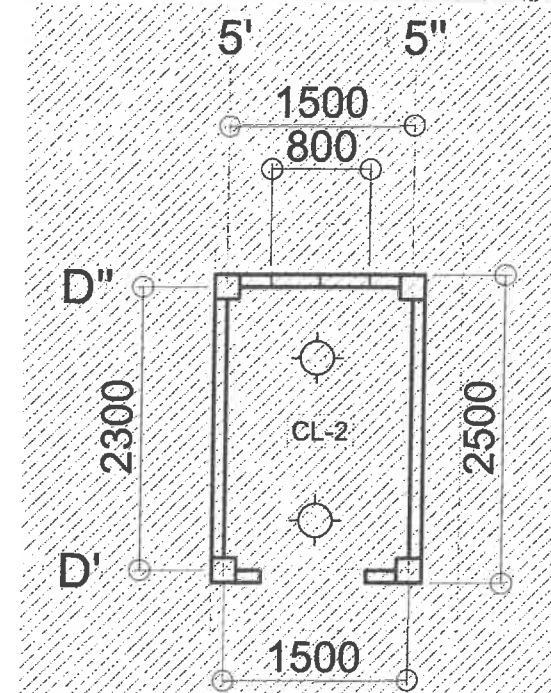
RECOMMENDED:
VIVIANE S. BIACO
ASST. DISTRICT ENGINEER
Date:

APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER
Date:

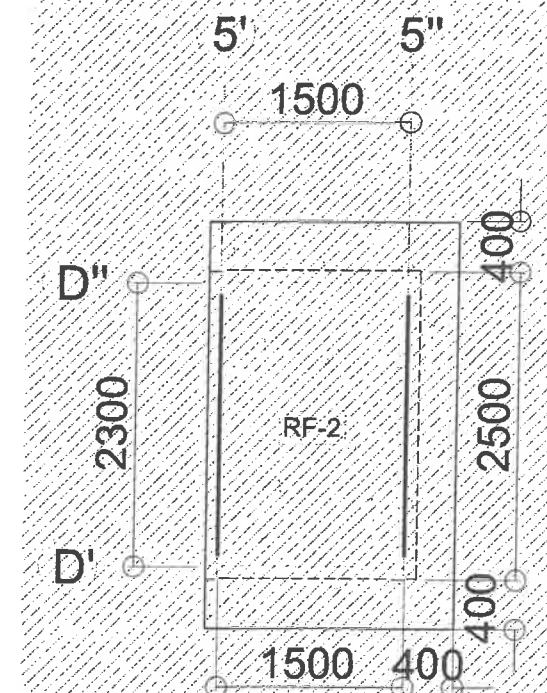
SET No. A-13
SHEET No. 15
84



1
A-14 SCALE: 1:40M



2
A-14 SCALE: 1:40M



3
A-14 SCALE: 1:40M

FLOOR FINISH	DESCRIPTION
FF-1	600X600 GRANITE FLOOR TILES GLAZED
FF-2	NON-SKID PLAIN CEMENT FINISH W/ GROOVE LINE SPACED @ 100MM
FF-3	300X300 CERAMIC FLOOR TILE UNGLAZED
WALL FINISH	DESCRIPTION
WF-1	DECORATIVE WALL TILES
WF-2	150MM THK CHB EXTERIOR WALL, 100MM THK CHB INTERIOR WALL W/ PLAIN CEMENT AND PAINT FINISH
WF-3	300X300 CERAMIC WALL TILE GLAZED
CEILING FINISH	DESCRIPTION
CF-1	6mm THK. MARINE PLYWOOD BOARD (PAINTED) ON WOOD FRAME SPACED @ 800MM O.C
CF-2	EXPOSED R.C./ UNDERSLAB/ BEAM SOFFIT/ ROOF TRUSSES, PAINTED FINISH (PROVIDE PRIMER FOR ROOF TRUSSES)
CEILING FINISH	DESCRIPTION
RF-1	CORRUGATED ROOFING GAUGE 40
RF-2	125 THK ROOF SLAB FINISH

LEGEND:
NOT INCLUDED IN PHASE II
(POWER HOUSE STRUCTURE)

TOP OF ROOF SLAB
ELEV ± 2900mm

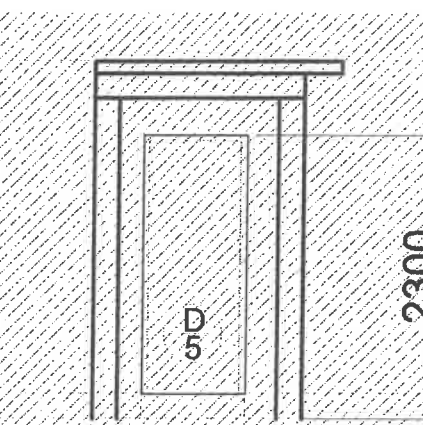
FIN. FLR. LN. PH
ELEV ± 200mm

NAT. GRND. LN.
ELEV ± 0 m

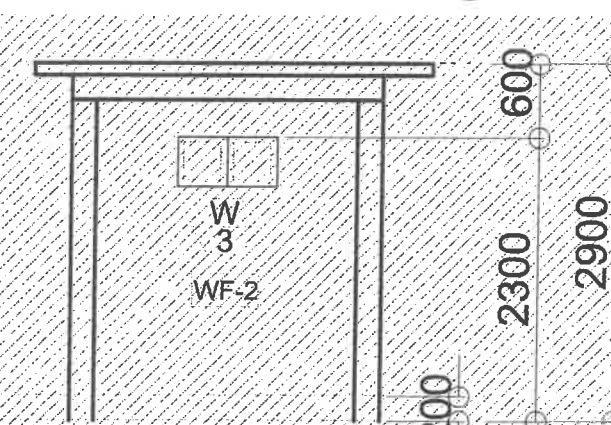
TOP OF ROOF SLAB
ELEV ± 2900mm

FIN. FLR. LN. PH
ELEV ± 200mm

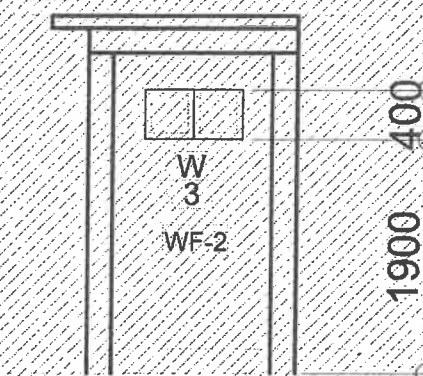
NAT. GRND. LN.
ELEV ± 0 m



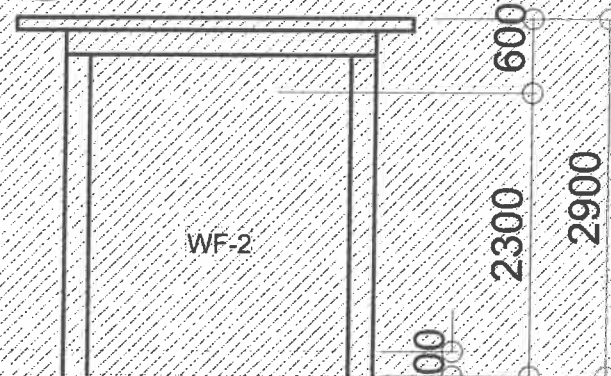
4
A-14 SCALE: 1:40M



5
A-14 SCALE: 1:40M



6
A-14 SCALE: 1:40M



7
A-14 SCALE: 1:40M

TOP OF ROOF SLAB
ELEV ± 2900mm

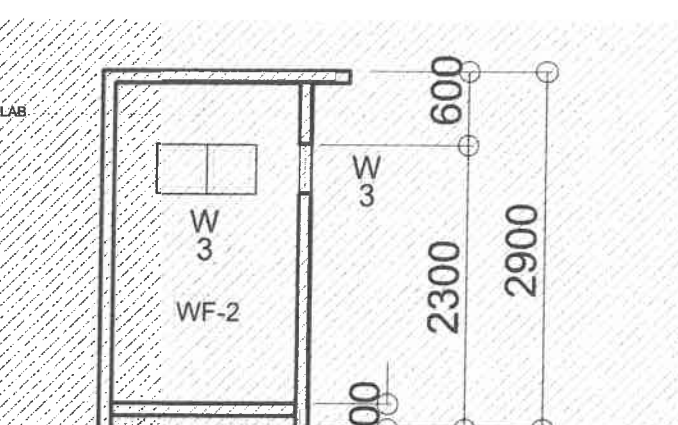
FIN. FLR. LN. PH
ELEV ± 200mm

NAT. GRND. LN.
ELEV ± 0 m

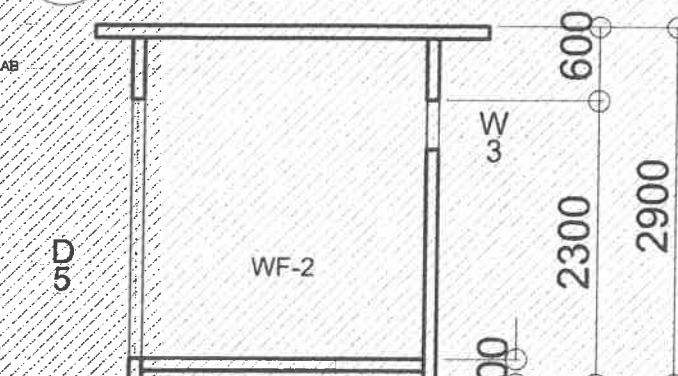
TOP OF ROOF SLAB
ELEV ± 2900mm

FIN. FLR. LN. PH
ELEV ± 200mm

NAT. GRND. LN.
ELEV ± 0 m



8
A-13 SCALE: 1:40M



9
A-14 SCALE: 1:40M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Cataman, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, NORTHERN SAMAR
UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, N. SAMAR

SHEET CONTENTS:
DETAIL PLAN/POWER HOUSE
REFLECTED CEILING PLAN
ROOF PLAN
ELEVATIONS
SECTIONS
SCHEDULE OF FINISHES

DESIGNED:
BURT B. LUCINARIO
ARCHITECT II
Date:

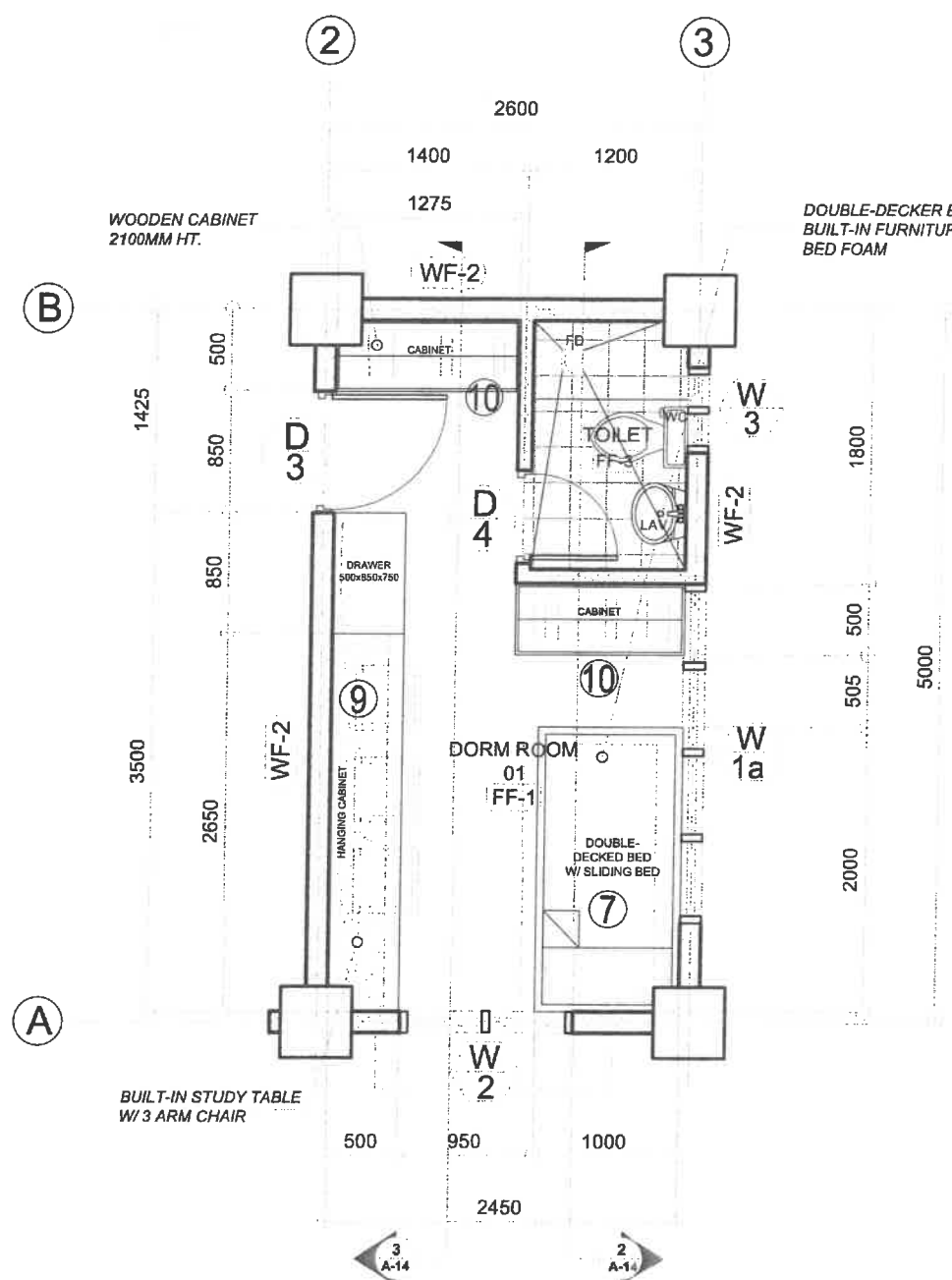
REVIEWED:
MAR DONALD N. EIMAN
ASST. CHIEF, PLANNING & DESIGN SECTION
Date:

SUBMITTED:
ANDY S. ERENO
CHIEF, PLANNING & DESIGN SECTION
Date:

RECOMMENDED:
VIVIAN L. BIACO
ASST. DISTRICT ENGINEER
Date:

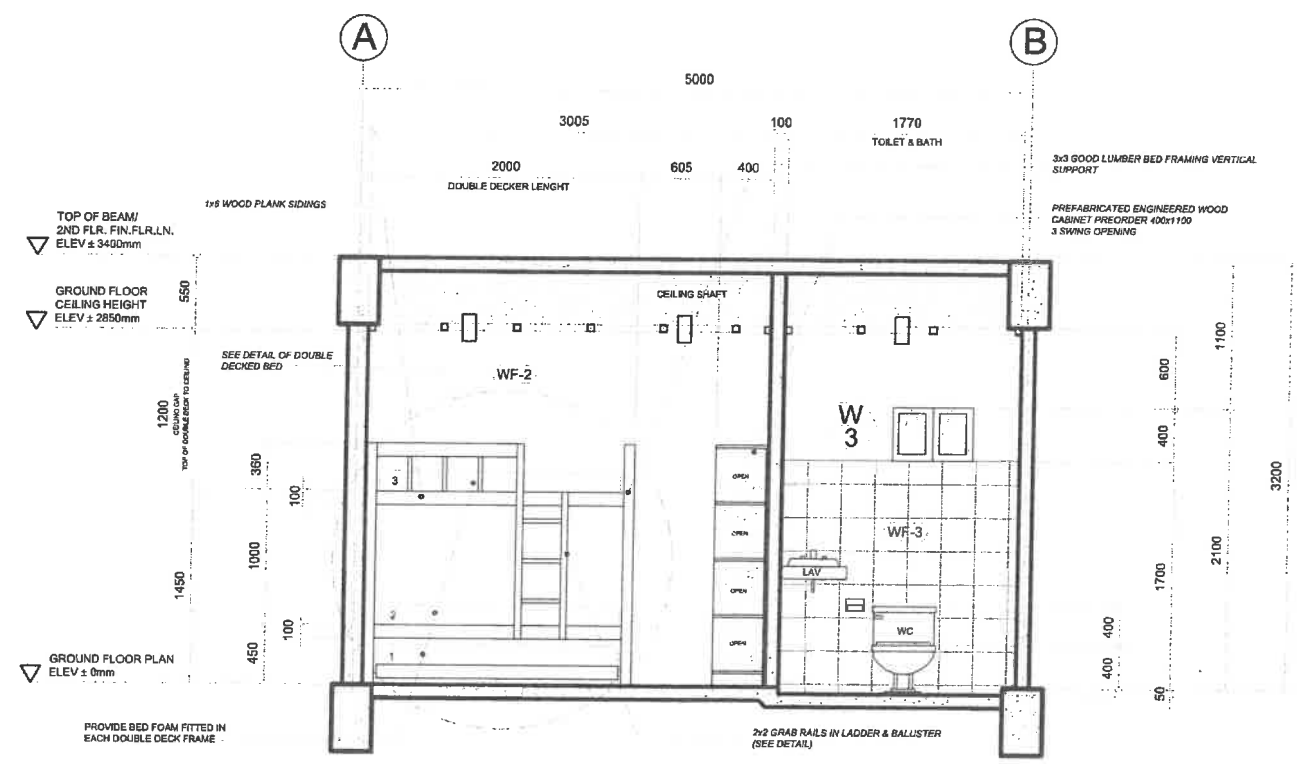
APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER
Date:

SET No. A-14
SHEET No. 16
84

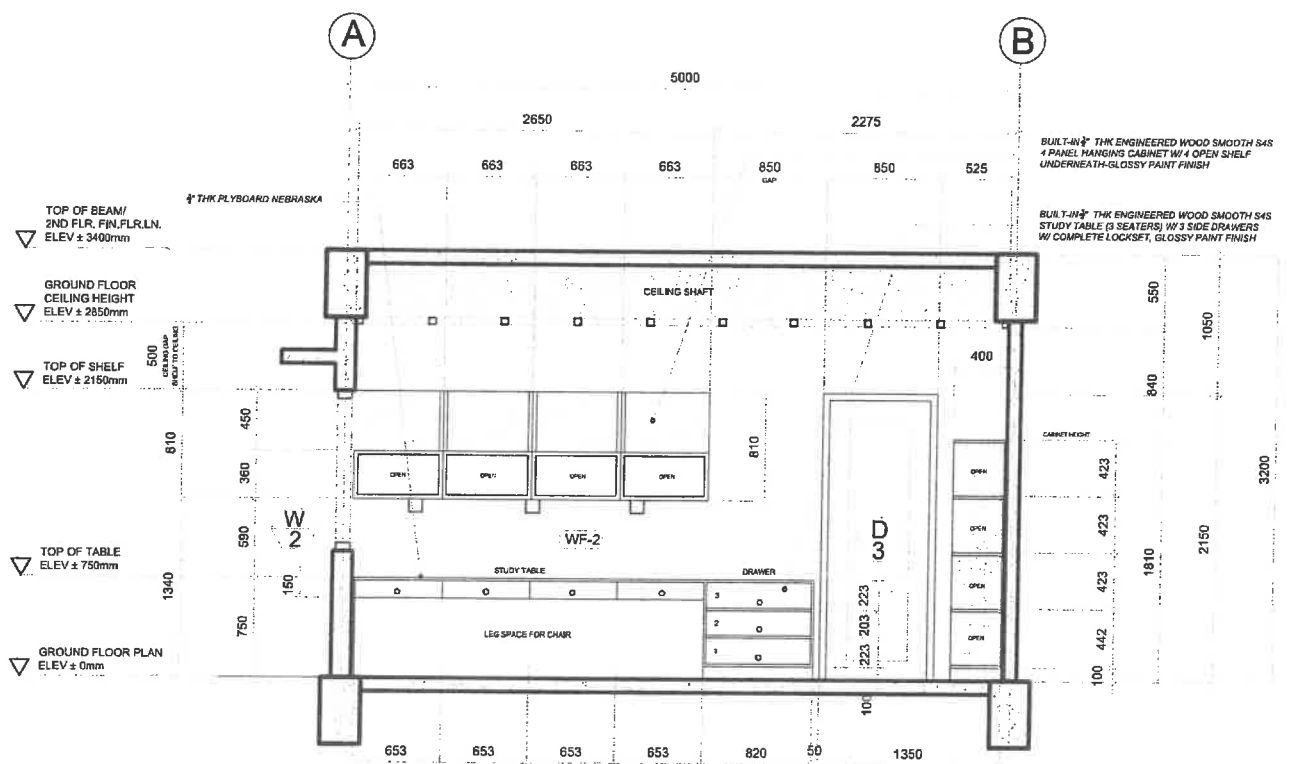


1
DORMITORY RM. 1-2
TYPICAL DORM PLAN DET.
SCALE: 1:40 M

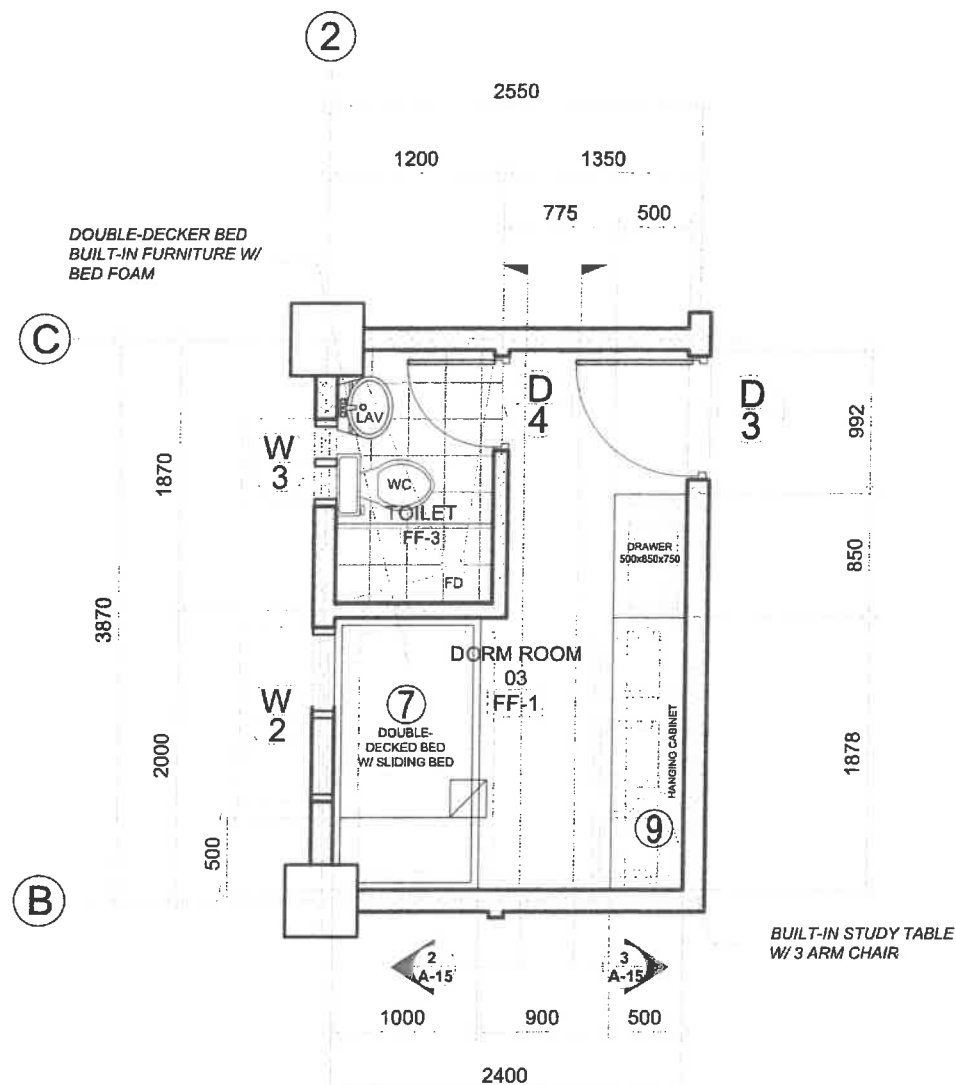
LEGEND:
INCLUDED IN PHASE II
(FURNISH FURNITURE, DOUBLE DECKER BED, BUILT IN STUDY DESK, CABINET, DRAWERS, COMPUTER DESK & CHAIRS, SOFA)



2
DORMITORY RM. 1-2
SECTION DETAIL THRU
A-15 SCALE: 1:40 M



3
DORMITORY RM. 1-2
SECTION DETAIL THRU
A-15 SCALE: 1:40 M

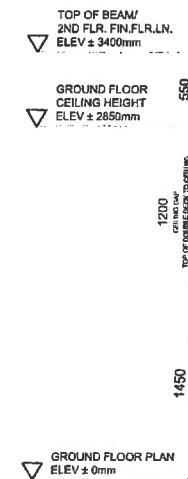


**DORMITORY RM. 3
TYPICAL DORM PLAN DET.**

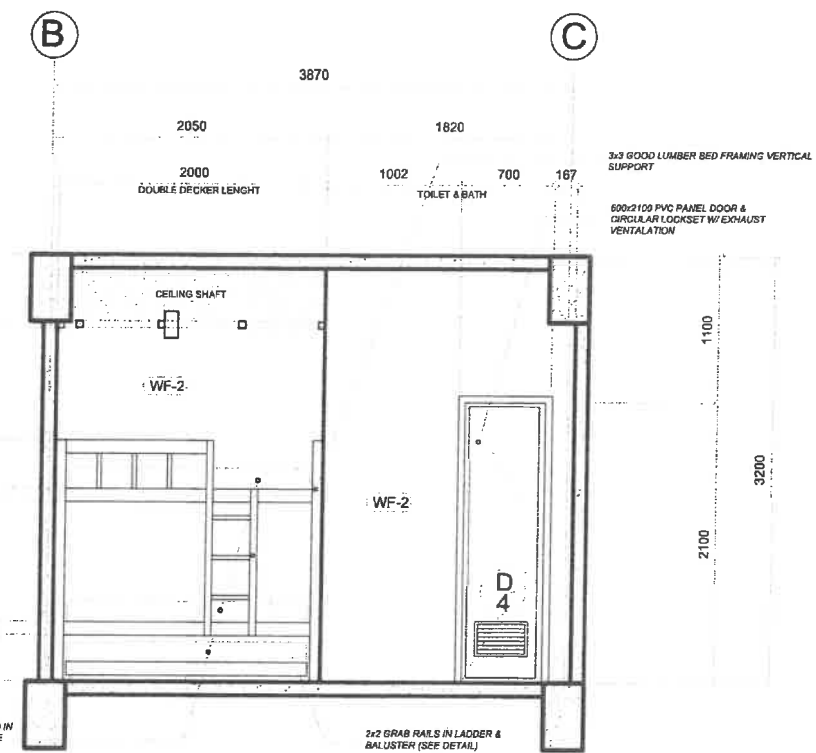
1
A-16

SCALE: 1:40 M

LEGEND:	
MARK	DESCRIPTION
①	CONFERENCE TABLE (10 SEATERS)
②	DOUBLE SOFA COUCH
③	SINGLE SOFA COUCH
④	SIDE CHAIR
⑤	TV SET WITH TV STAND
⑥	OFFICE TABLE W/ ROLLER CHAIR (600x1200)
⑦	DOUBLE DECKER BED W/ SLIDING BED AT THE BOTTOM (BUILT IN)
⑧	SINGLE BED (900x190)
⑨	STUDY TABLE BUILT-IN
⑩	CABINET SHELF
⑪	DRAWER
⑫	RECEPTIONIST CHAIR
⑬	STAINLESS WAITING CHAIR



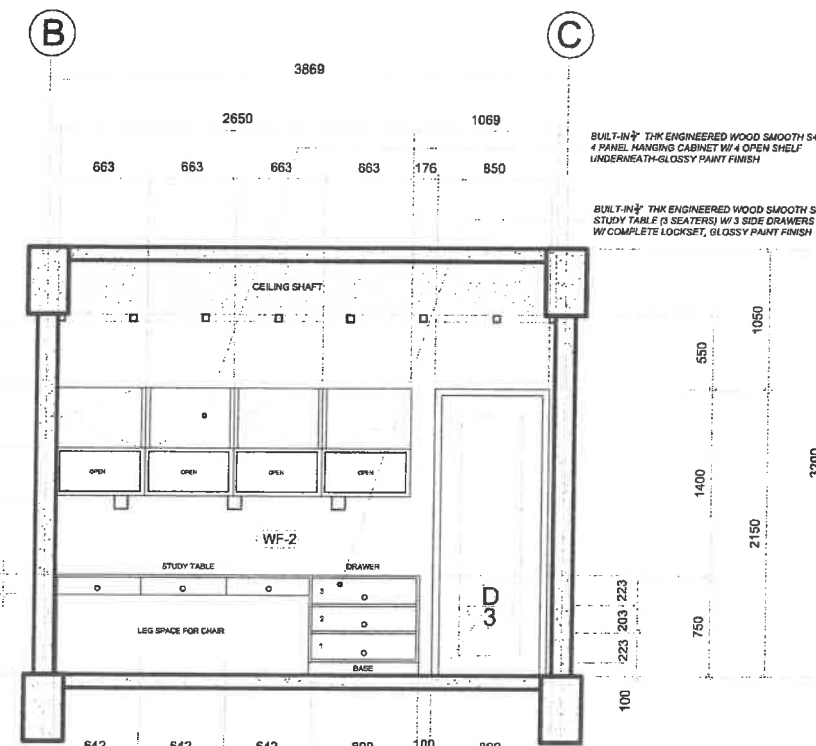
LEGEND:
INCLUDED IN PHASE II
(FURNISH FURNITURE, DOUBLE DECKER BED, BUILT IN STUDY DESK, CABINET, DRAWERS, COMPUTER DESK & CHAIRS, SOFA)



**DORMITORY RM. 3
SECTION DETAIL THRU**

2
A-16

SCALE: 1:40 M



**DORMITORY RM. 3
SECTION DETAIL THRU**

3
A-16

SCALE: 1:40 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Catarman, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATARMAN, NORTHERN SAMAR
UNIVERSITY OF EASTERN PHILIPPINES, CATARMAN N. SAMAR

SHEET CONTENTS:
TYPICAL DORMITORY ROOM DET./DORM 3
SECTION DETAIL THRU

DESIGNED:

BURT S. LUCINARIO
ARCHITECT II
Date:

REVIEWED:

MARDONALD N. EIMAN
ASST. CHIEF, PLANNING & DESIGN SECTION
Date:

SUBMITTED:

ANDY S. ERENO
CHIEF, PLANNING & DESIGN SECTION
Date:

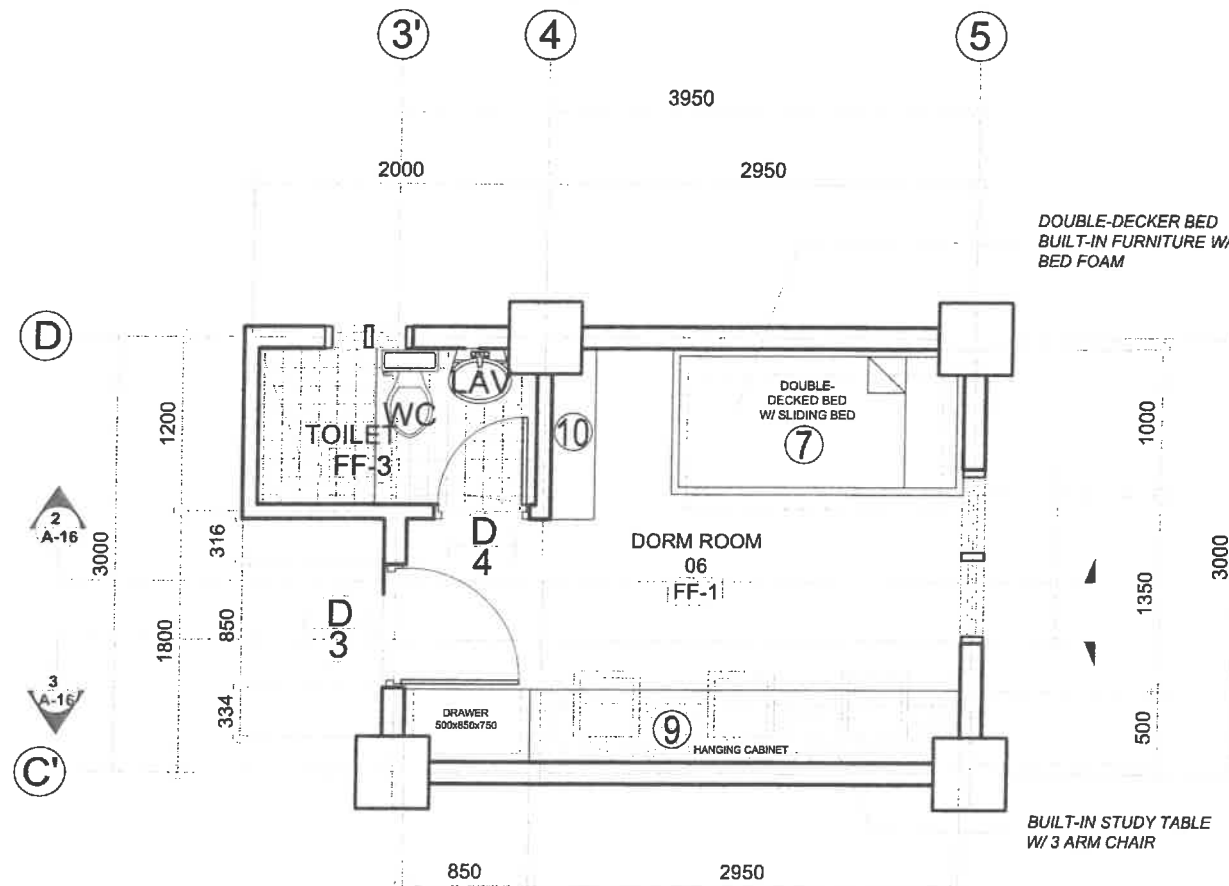
RECOMMENDED:

VIVIAN A. BIACO
ASST. DISTRICT ENGINEER
Date:

APPROVED:

ALVIN A. IGNACIO
DISTRICT ENGINEER
Date:

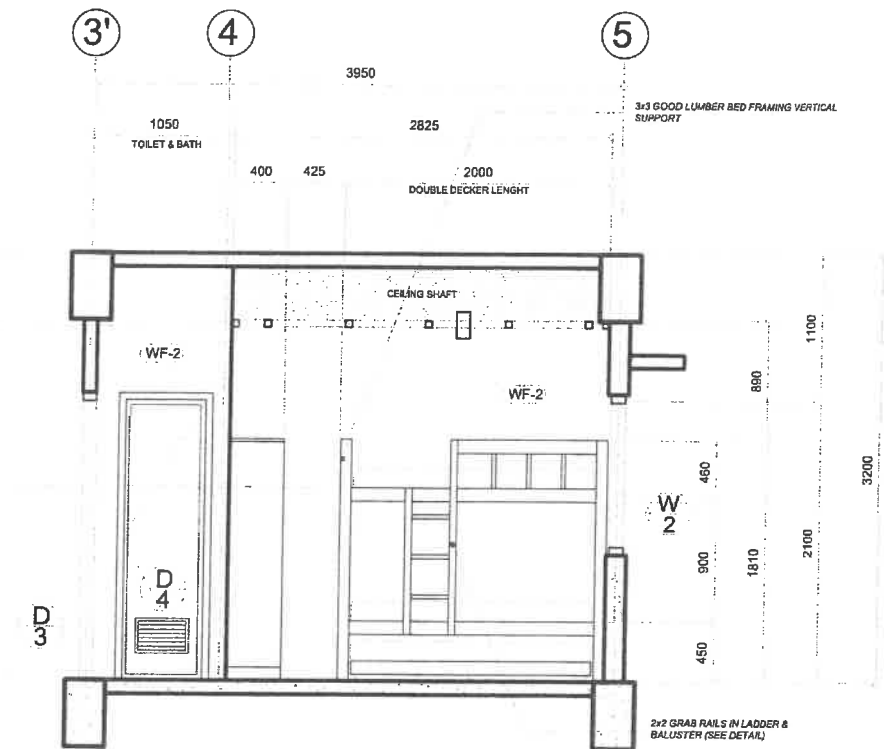
SET No. SHEET No.
A-16 18
84



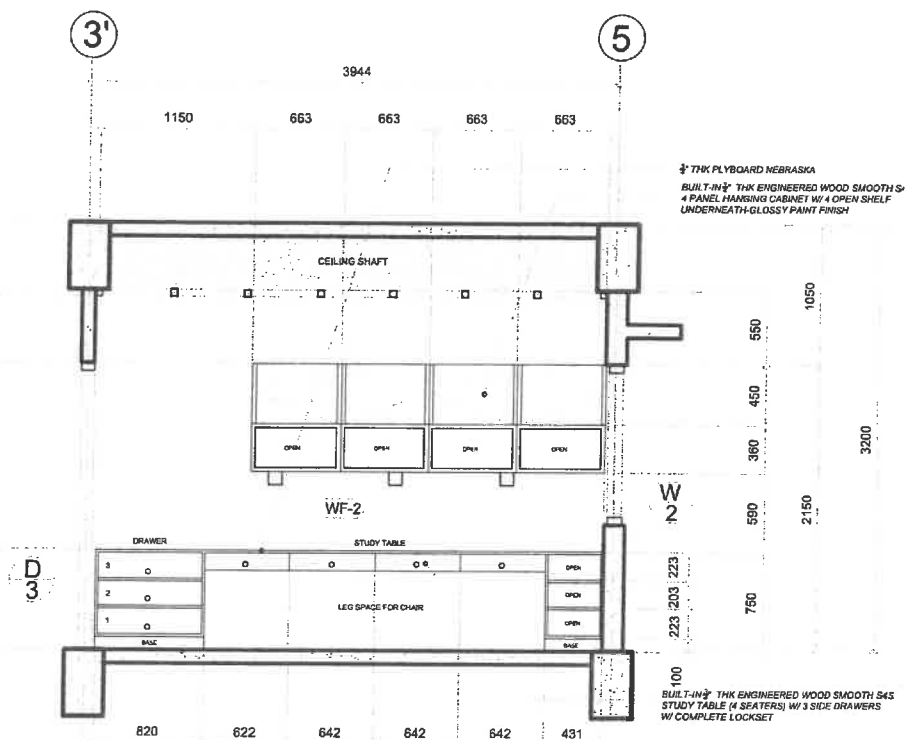
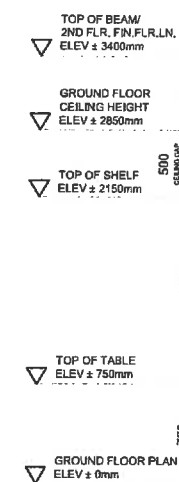
1
A-17
DORMITORY RM. 5-6
BLOW-UP DETAIL PLAN
SCALE: 1:40 M

LEGEND:
INCLUDED IN PHASE II
(FURNISH FURNITURE, DOUBLE DECKER BED, BUILT IN STUDY DESK,
CABINET, DRAWERS, COMPUTER DESK & CHAIRS, SOFA, WAITING
CHAIRS ETC.)

MARK	DESCRIPTION
①	CONFERENCE TABLE (10 SEATERS)
②	DOUBLE SOFA COUCH
③	SINGLE SOFA COUCH
④	SIDE CHAIR
⑤	TV SET WITH TV STAND
⑥	OFFICE TABLE W/ ROLLER CHAIR (500x1200)
⑦	DOUBLE DECKER BED W/ SLIDING BED AT THE BOTTOM (BUILT IN)
⑧	SINGLE BED (900x190)
⑨	STUDY TABLE BUILT-IN
⑩	CABINET SHELF
⑪	DRAWER
⑫	RECEPTIONIST CHAIR
⑬	STAINLESS WAITING CHAIR



2
A-17
DORMITORY RM. 5-6
SECTION DETAIL THRU
SCALE: 1:40 M



3
A-17
DORMITORY RM. 3
SECTION DETAIL THRU
SCALE: 1:40 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Cataman, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, NORTHERN SAMAR

SHEET CONTENTS:
TYPICAL DORMITORY ROOM DET./DORM 5-6
SECTION DETAIL THRU

DESIGNED:
BURT B. LUCINARIO
Date: ARCHITECT II

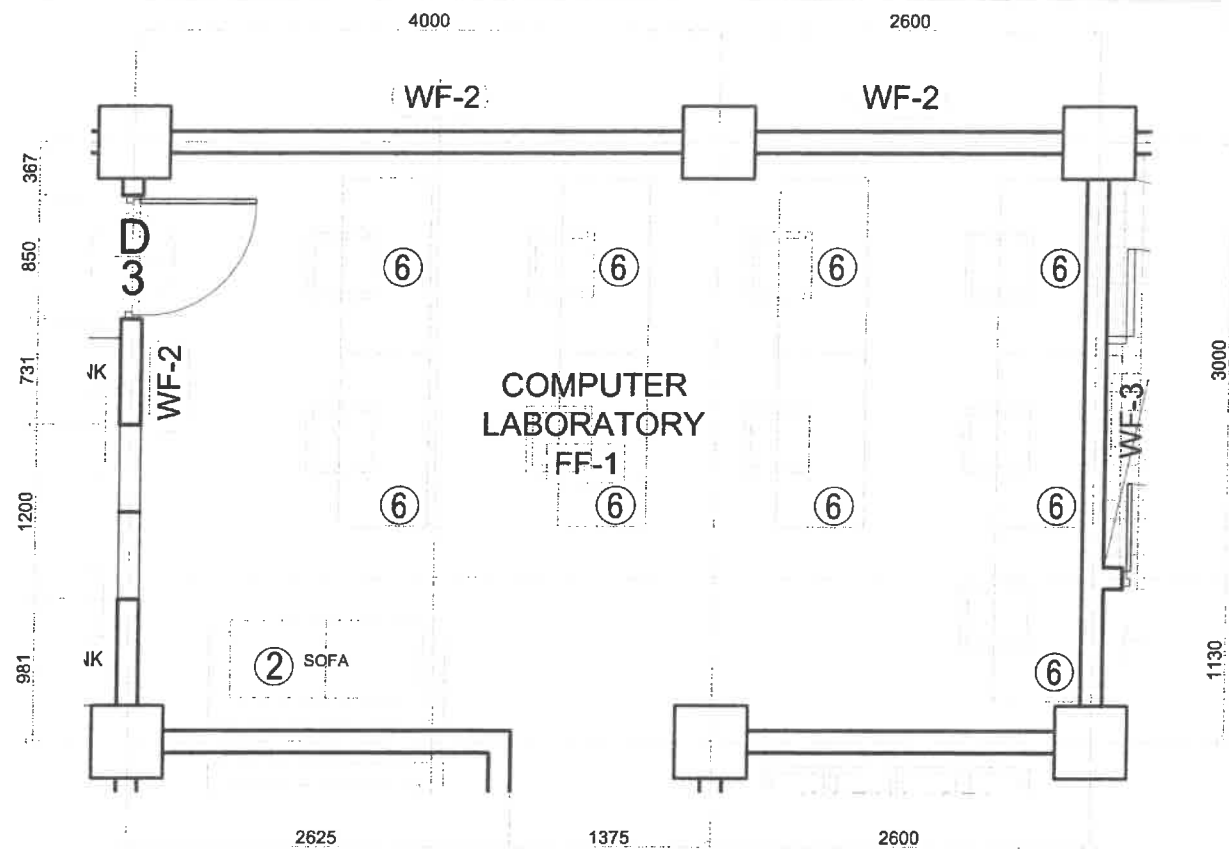
REVIEWED:
MAR DONALD N. EIMAN
Date: ASST. CHIEF, PLANNING & DESIGN SECTION

SUBMITTED:
ANDY S. EREÑO
Date: CHIEF, PLANNING & DESIGN SECTION

RECOMMENDED:
VIVIAN G. BIACO
Date: ASST. DISTRICT ENGINEER

APPROVED:
ALVIN A. IGNACIO
Date: DISTRICT ENGINEER

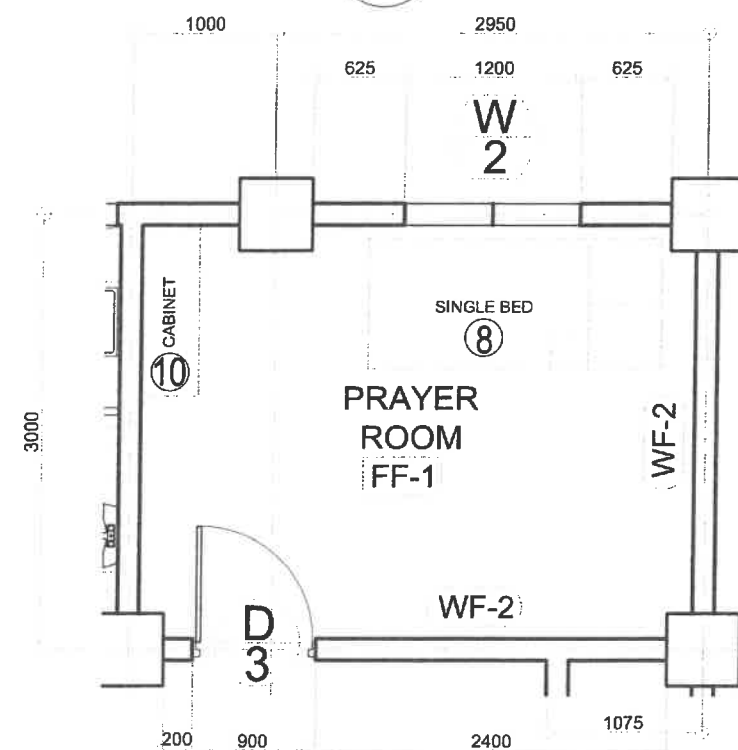
SET No. A-17
SHEET No. 19
84



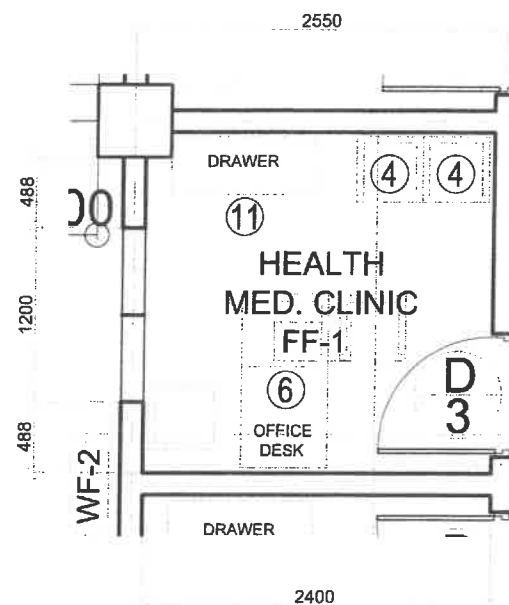
1
A-18
STUDENT CENTER
BLOW UP DETAIL PLAN
SCALE: 1:40 M



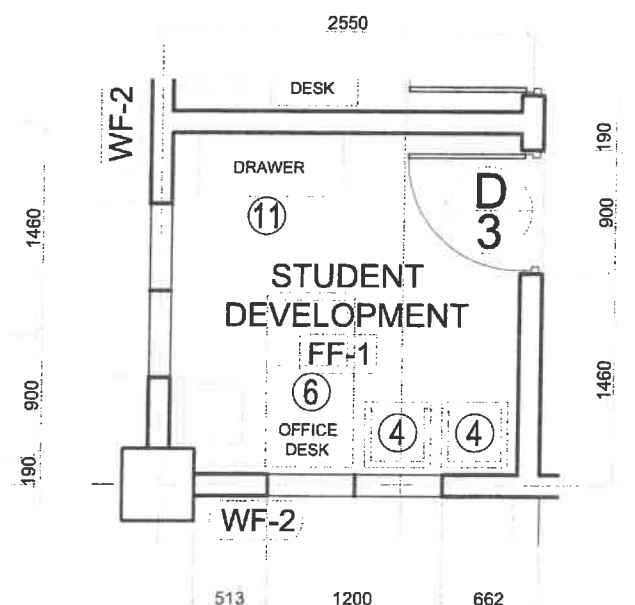
2
A-18
COUNSELING ROOM
BLOW UP DETAIL PLAN
SCALE: 1:40 M



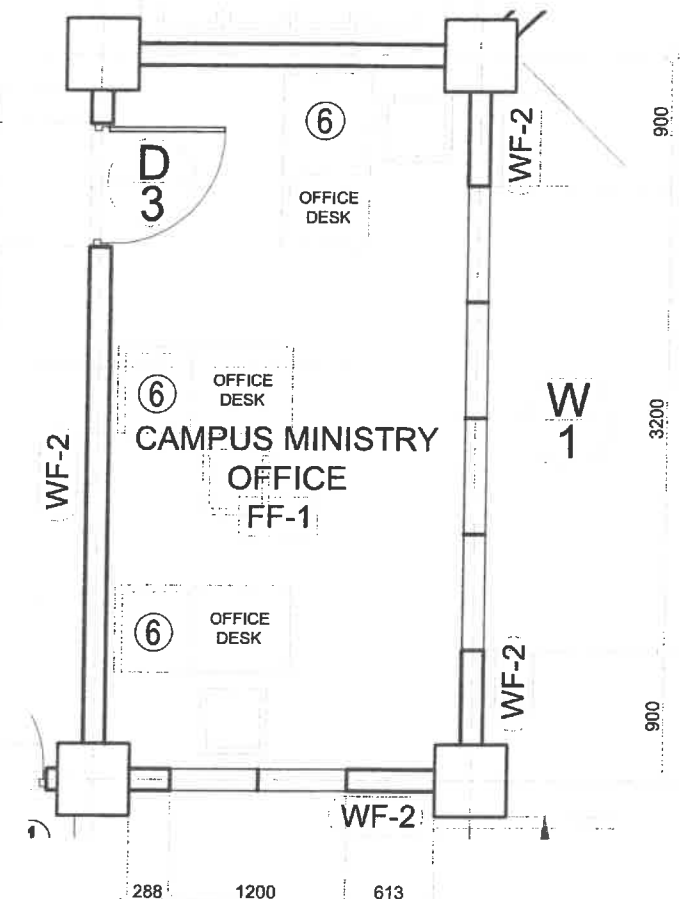
6
A-18
CARE TAKER'S ROOM
BLOW UP DETAIL PLAN
SCALE: 1:40 M



3
A-18
HEALTH MEDICAL CLINIC
BLOW UP DETAIL PLAN
SCALE: 1:40 M



4
A-18
STUDENT DEVELOPMENT
BLOW UP DETAIL PLAN
SCALE: 1:40 M



5
A-18
CAMPUS MINISTRY OFFICE
BLOW UP DETAIL PLAN
SCALE: 1:40 M

LEGEND:	
MARK	DESCRIPTION
①	CONFERENCE TABLE (10 SEATERS)
②	DOUBLE SOFA COUCH
③	SINGLE SOFA COUCH
④	SIDE CHAIR
⑤	TV SET WITH TV STAND
⑥	OFFICE TABLE W/ ROLLER CHAIR (600x1200)
⑦	DOUBLE DECKER BED W/ SLIDING BED AT THE BOTTOM (BUILT IN)
⑧	SINGLE BED (900x190)
⑨	STUDY TABLE BUILT-IN
⑩	CABINET SHELF
⑪	DRAWER
⑫	RECEPTIONIST CHAIR
⑬	STAINLESS WAITING CHAIR

LEGEND:
INCLUDED IN PHASE II
(FURNISH FURNITURE, DOUBLE DECKER BED, BUILT IN STUDY DESK, CABINET, DRAWERS, COMPUTER DESK & CHAIRS, SOFA, WAITING CHAIRS ETC)



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Calatman, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATARMAN, NORTHERN SAMAR

SHEET CONTENTS:
BLOW UP PLAN/COMPUTER LABORATORY
BLOW UP PLAN/COUNSELING
BLOW UP PLAN/HEALTH MEDICAL CLINIC
BLOW UP PLAN/STUDENT DEVELOPMENT
BLOW UP PLAN/CAMPUS MINISTRY ROOM
BLOW UP PLAN/CARE TAKER'S ROOM

DESIGNED:
BURT MARCELO LUGANARIO
ARCHITECT II
Date:

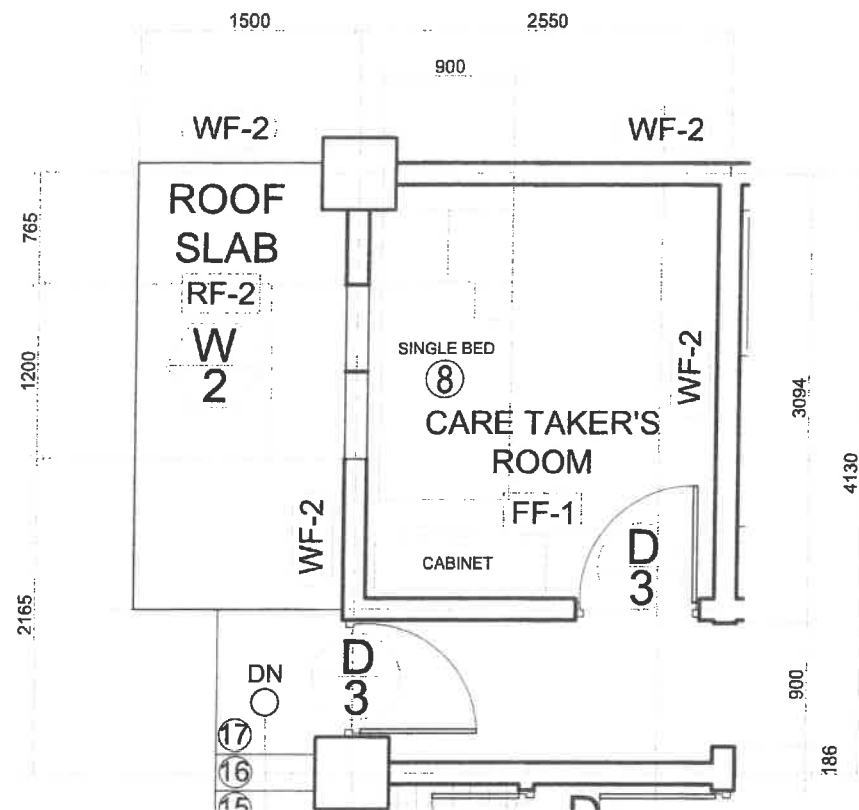
REVIEWED:
MARDONALD N. EIMAN
ASST. CHIEF, PLANNING & DESIGN SECTION
Date:

SUBMITTED:
ANDY S. ERERO
CHIEF, PLANNING & DESIGN SECTION
Date:

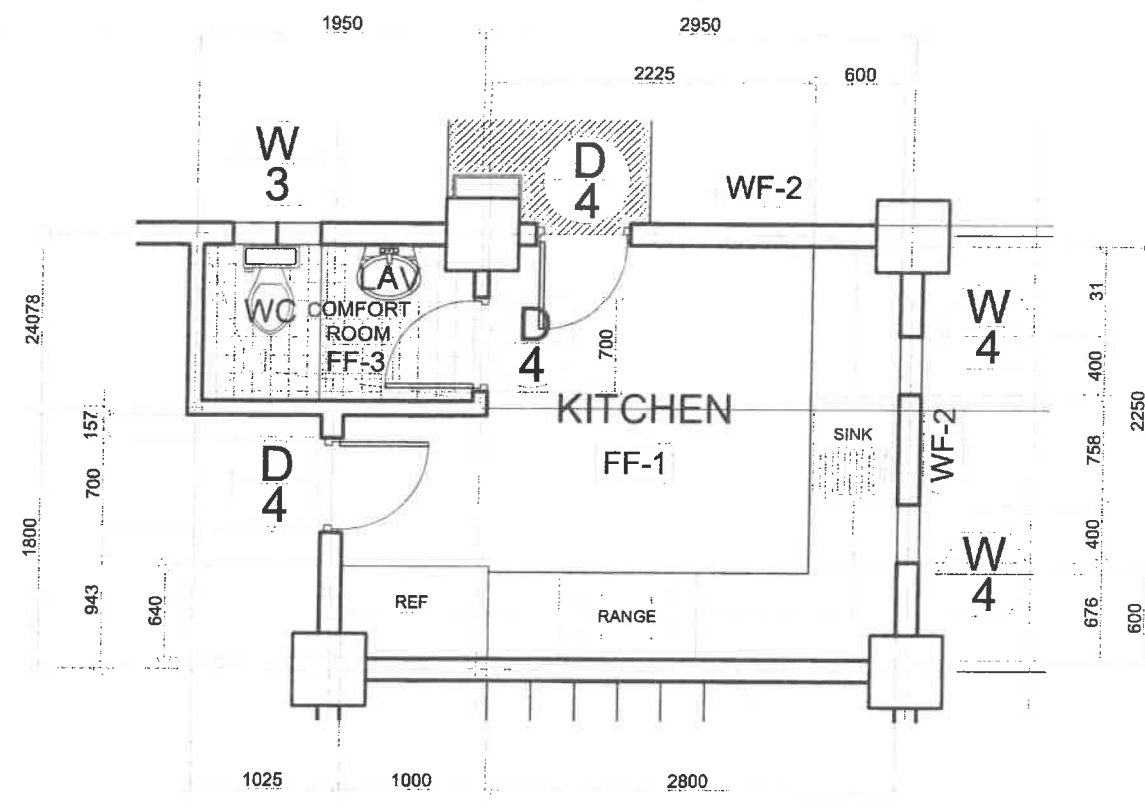
RECOMMENDED:
VIVIAN P. BIACO
ASST. DISTRICT ENGINEER
Date:

APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER
Date:

SET No. A-18
SHEET No. 20/84



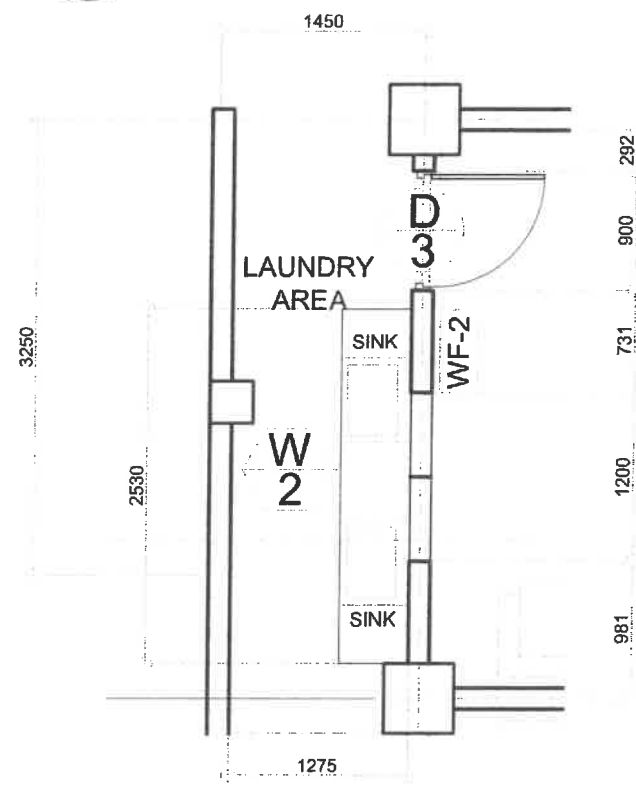
1 CARE TAKER'S ROOM BLOW UP DETAIL PLAN
A-19 SCALE: 1:40 M



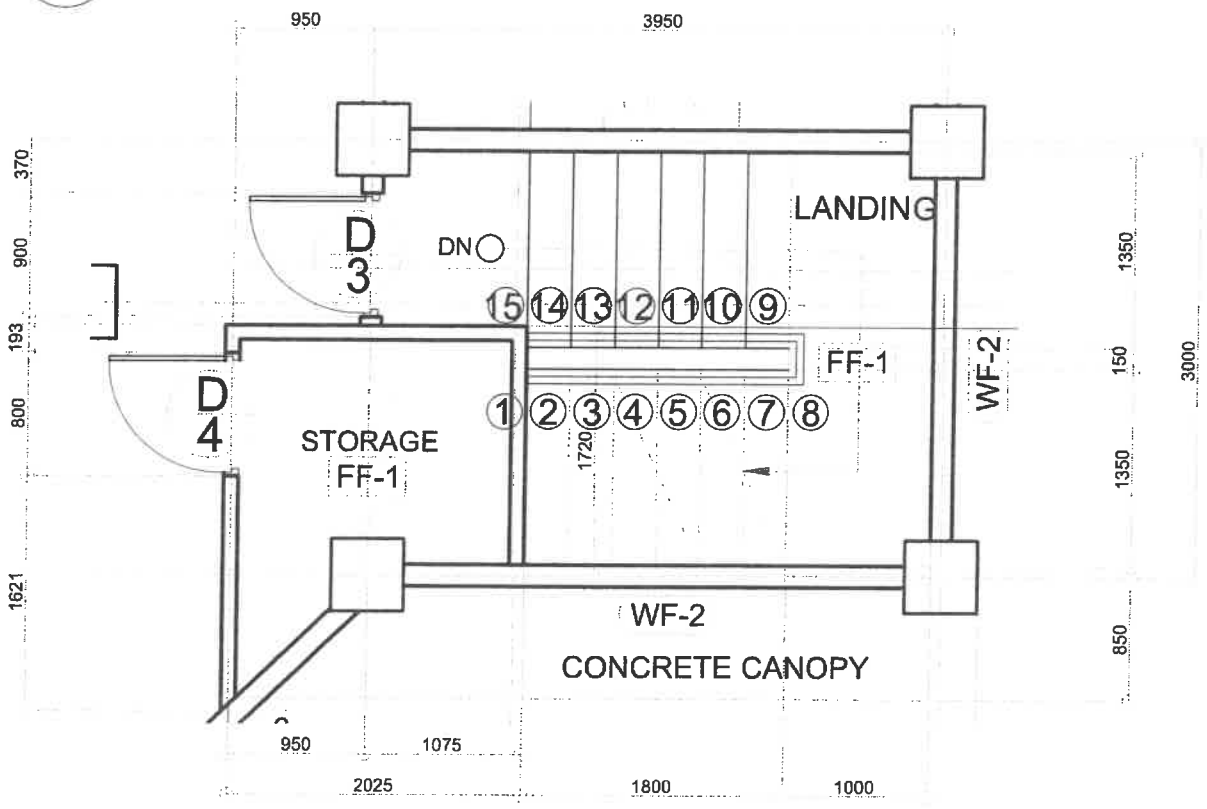
2 KITCHEN & COMFORT RM BLOW UP DETAIL PLAN
A-19 SCALE: 1:40 M

LEGEND:	
MARK	DESCRIPTION
①	CONFERENCE TABLE (10 SEATERS)
②	DOUBLE SOFA COUCH
③	SINGLE SOFA COUCH
④	SIDE CHAIR
⑤	TV SET WITH TV STAND
⑥	OFFICE TABLE W/ ROLLER CHAIR (600x1200)
⑦	DOUBLE DECKER BED W/ SLIDING BED AT THE BOTTOM (BUILT IN)
⑧	SINGLE BED (900x190)
⑨	STUDY TABLE BUILT-IN
⑩	CABINET SHELF
⑪	DRAWER
⑫	RECEPTIONIST CHAIR
⑬	STAINLESS WAITING CHAIR

LEGEND:
INCLUDED IN PHASE II
(FURNISH FURNITURE, DOUBLE DECKER BED, BUILT IN STUDY DESK, CABINET, DRAWERS, COMPUTER DESK & CHAIRS, SOFA, WAITING CHAIRS ETC)



4 LAUNDRY AREA/SERVICE AREA BLOW UP DETAIL PLAN
A-19 SCALE: 1:40 M



3 STORAGE ROOM BLOW UP DETAIL PLAN
A-19 SCALE: 1:40 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE
Cataman, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, NORTHERN SAMAR

SHEET CONTENTS:
BLOW UP PLAN/CARE TAKER'S ROOM
BLOW UP PLAN/LAUNDRY AREA
BLOW UP PLAN/KITCHEN
BLOW UP PLAN/STORAGE ROOM

DESIGNED:
BURT HUBO P. CACINARIO
ARCHITECT II
Date:

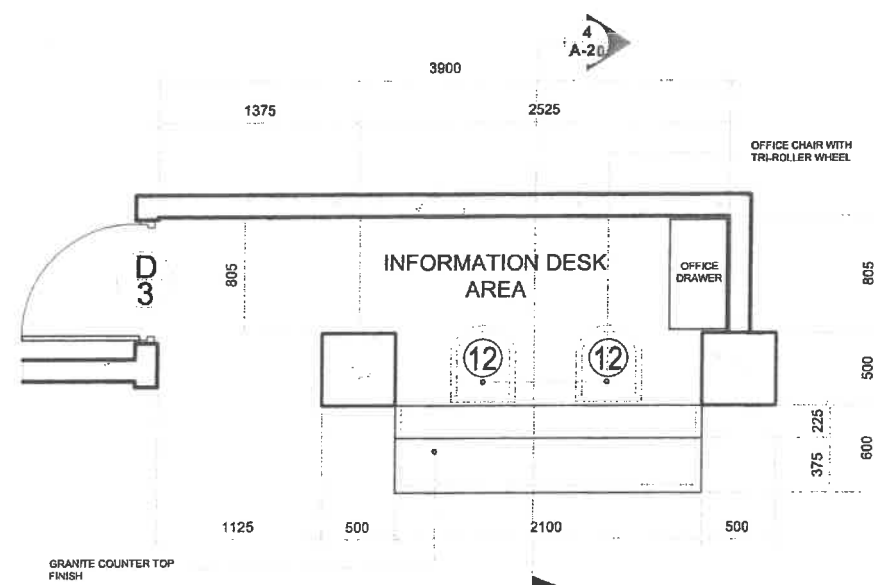
REVIEWED:
MAR DONALD N. EIMAN
ASST. CHIEF, PLANNING & DESIGN SECTION
Date:

SUBMITTED:
ANDY S. EREÑO
CHIEF, PLANNING & DESIGN SECTION
Date:

RECOMMENDED:
VIVIAN G. BIACO
ASST. DISTRICT ENGINEER
Date:

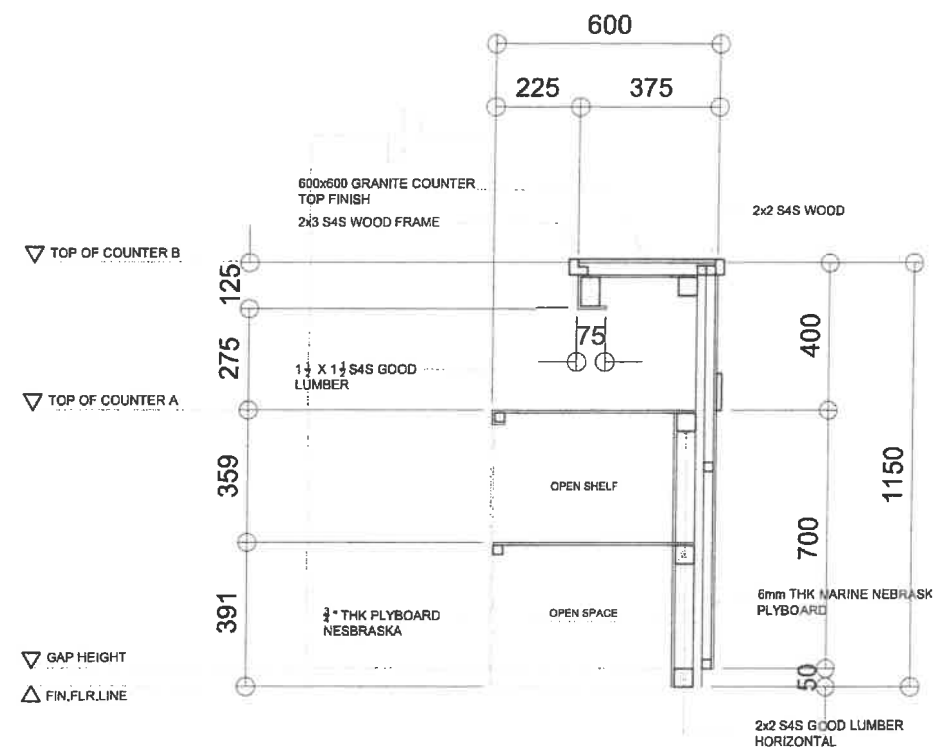
APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER
Date:

SET No. **A-19** SHEET No. **21**
84



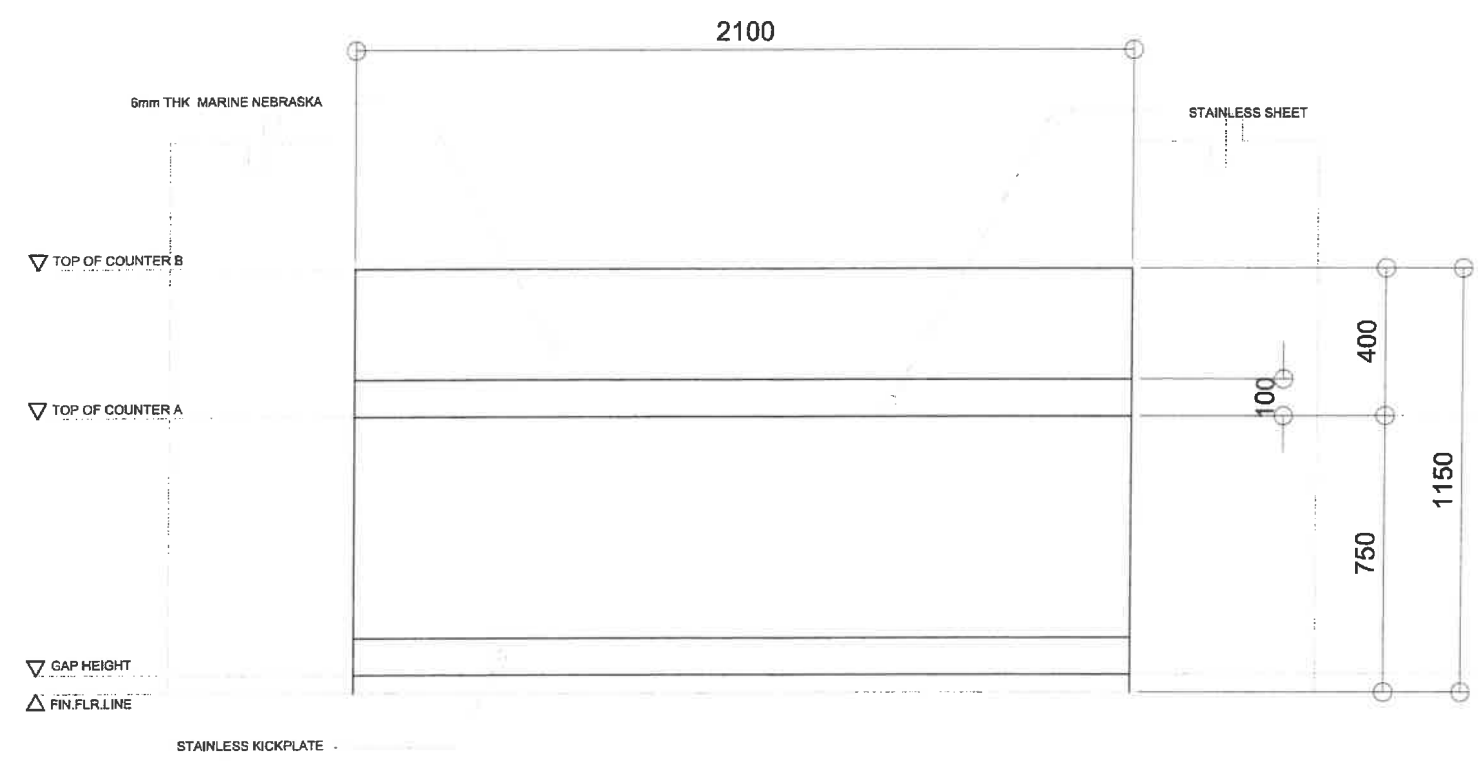
1
A-20
**INFORMATION COUNTER
BLOW UP DETAIL PLAN**
SCALE: 1:40 M

LEGEND:
INCLUDED IN PHASE II
(FURNISH FURNITURE, DOUBLE DECKER BED, BUILT IN STUDY DESK,
CABINET, DRAWERS, COMPUTER DESK & CHAIRS, SOFA, WAITING
CHAIRS ETC.)

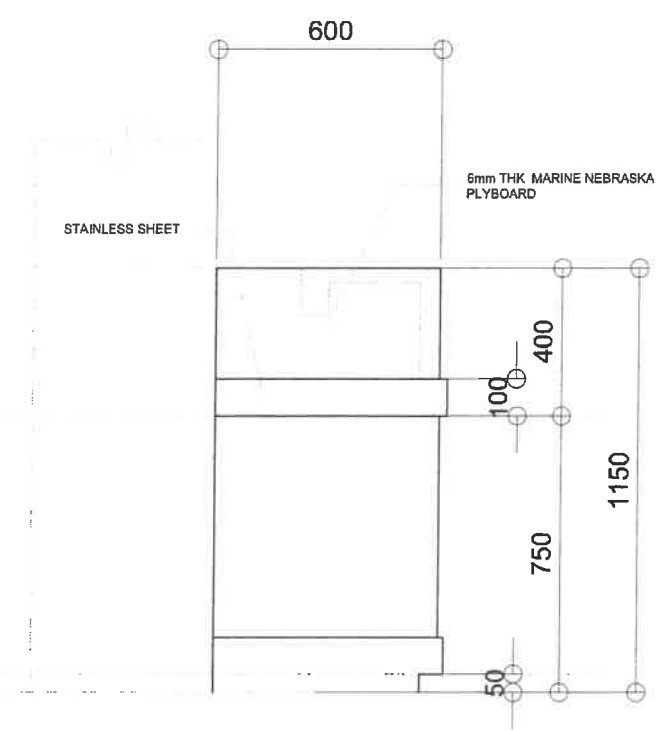


4
A-20
**INFORMATION COUNTER
SECTION THRU**
SCALE: 1:30 M

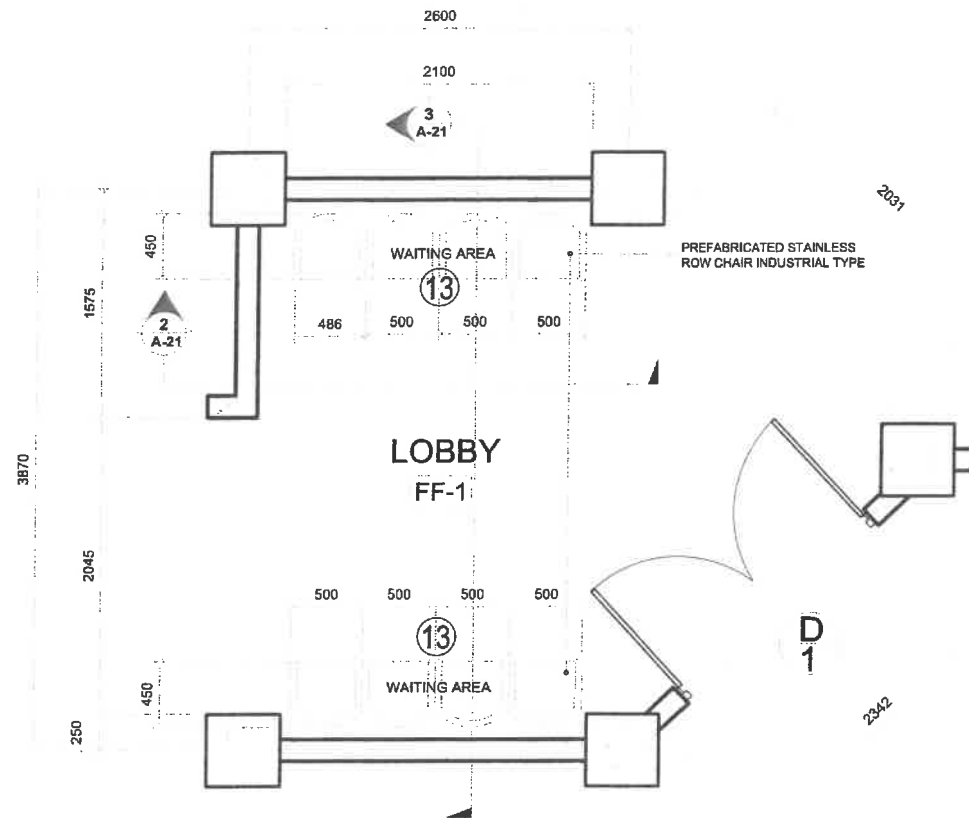
LEGEND:	
MARK	DESCRIPTION
①	CONFERENCE TABLE (10 SEATERS)
②	DOUBLE SOFA COUCH
③	SINGLE SOFA COUCH
④	SIDE CHAIR
⑤	TV SET WITH TV STAND
⑥	OFFICE TABLE W/ ROLLER CHAIR (600x1200)
⑦	DOUBLE DECKER BED W/ SLIDING BED AT THE BOTTOM (BUILT IN)
⑧	SINGLE BED (900x190)
⑨	STUDY TABLE BUILT-IN
⑩	CABINET SHELF
⑪	DRAWER
⑫	RECEPTIONIST CHAIR
⑬	STAINLESS WAITING CHAIR



2
A-20
**INFORMATION COUNTER
FRONT ELEVATION**
SCALE: 1:30 M

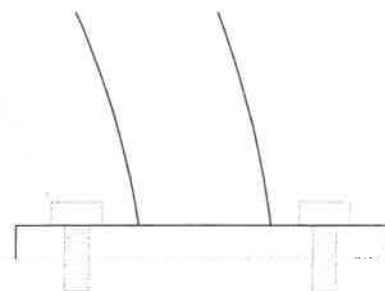


3
A-20
**INFORMATION COUNTER
SIDE ELEVATION**
SCALE: 1:30 M

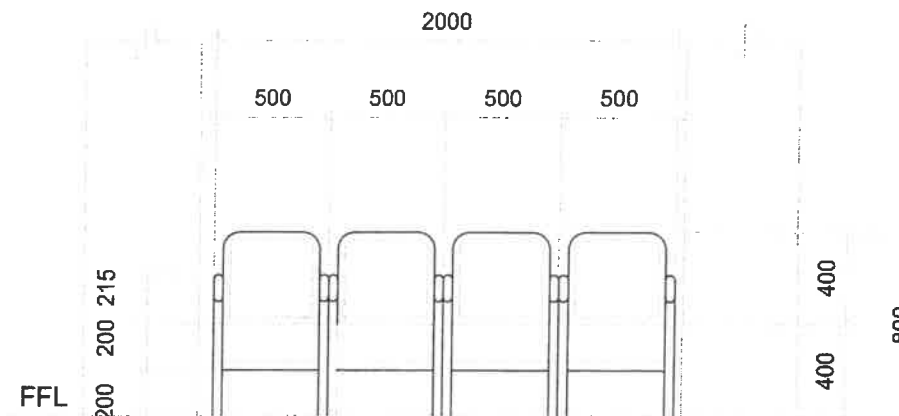


1
A-21
**WAITING AREA
BLOW UP DETAIL PLAN**
SCALE: 1:40 M

2" BOLTS & NUTS W/
WASHER FASTENER



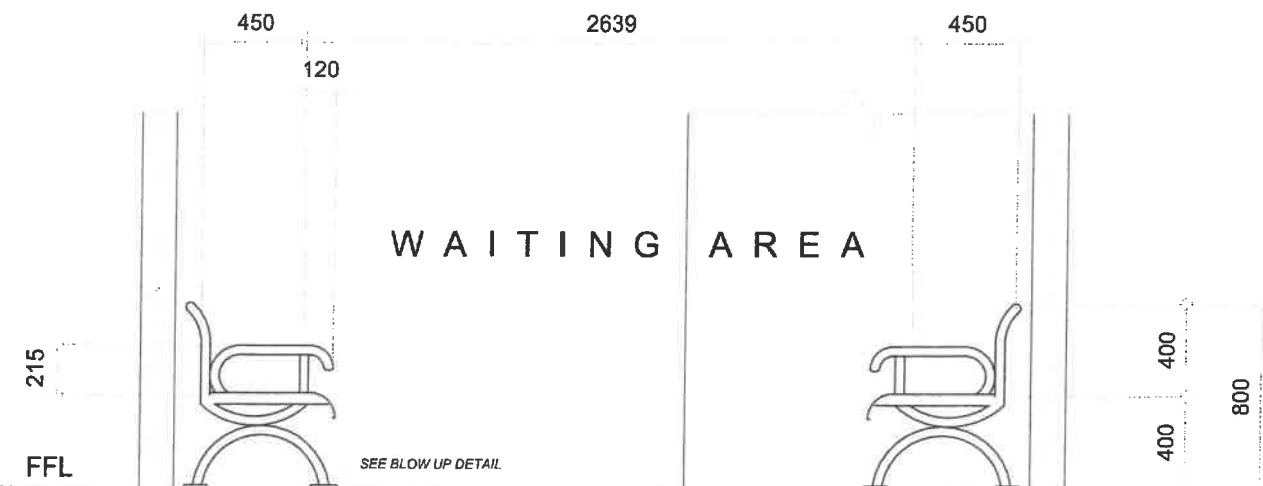
4
A-21
BLOW UP DETAIL
SCALE: 1:20 M



2
A-21
**WAITING AREA
FRONT ELEVATION**
SCALE: 1:40 M

LEGEND:
INCLUDED IN PHASE II
(FURNISH FURNITURE, DOUBLE DECKER BED, BUILT IN STUDY DESK,
CABINET, DRAWERS, COMPUTER DESK & CHAIRS, SOFA, WAITING
CHAIRS ETC)

MARK	DESCRIPTION
①	CONFERENCE TABLE (10 SEATERS)
②	DOUBLE SOFA COUCH
③	SINGLE SOFA COUCH
④	SIDE CHAIR
⑤	TV SET WITH TV STAND
⑥	OFFICE TABLE W/ ROLLER CHAIR (600x1200)
⑦	DOUBLE DECKER BED W/ SLIDING BED AT THE BOTTOM (BUILT IN)
⑧	SINGLE BED (900x190)
⑨	STUDY TABLE BUILT-IN
⑩	CABINET SHELF
⑪	DRAWER
⑫	RECEPTIONIST CHAIR
⑬	STAINLESS WAITING CHAIR



3
A-21
**WAITING AREA
SIDE ELEVATION**
SCALE: 1:40 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Cataman, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, NORTHERN SAMAR
UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN N. SAMAR

SHEET CONTENTS:
BLOW UP DETAIL PLAN WAITING AREA
SIDE ELEVATION
FRONT ELEVATION
BLOW UP DETAIL

DESIGNED:
BURT B. BUSTOZ, LUCINARIO
ARCHITECT II
Date:

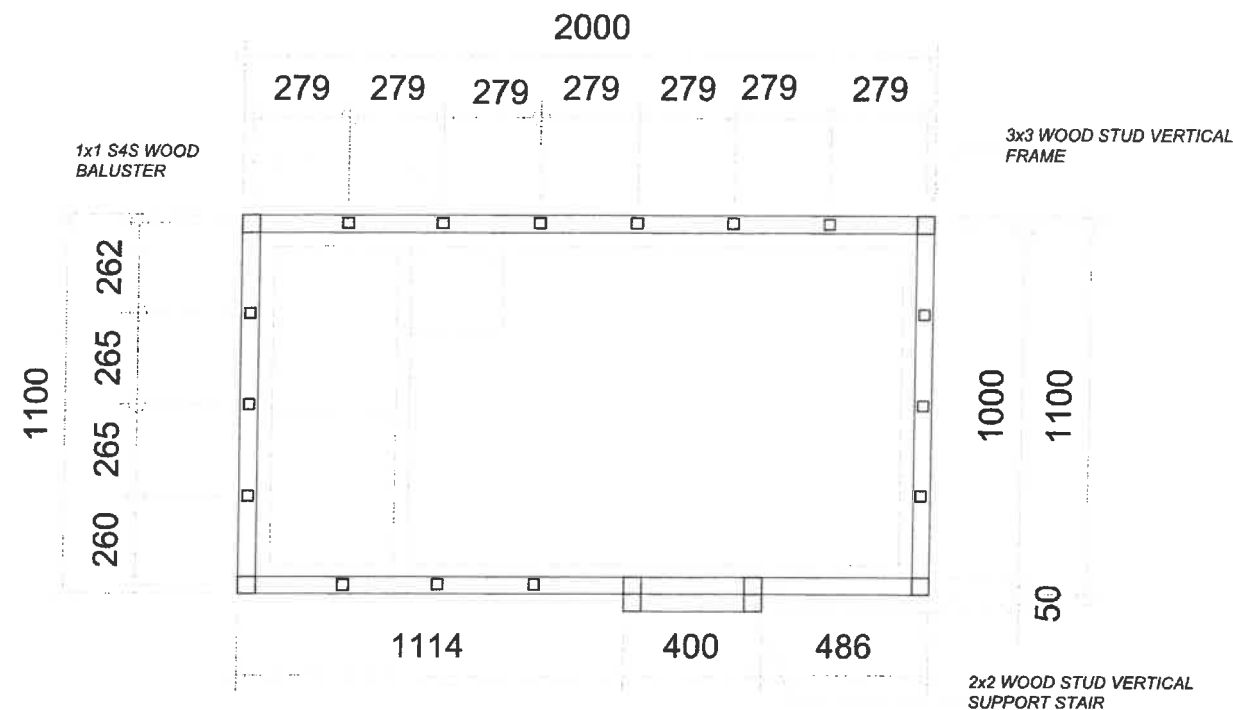
REVIEWED:
MAR DONALD N. EIMAN
ASST. CHIEF, PLANNING & DESIGN SECTION
Date:

SUBMITTED:
ANDY S. ENENO
CHIEF, PLANNING & DESIGN SECTION
Date:

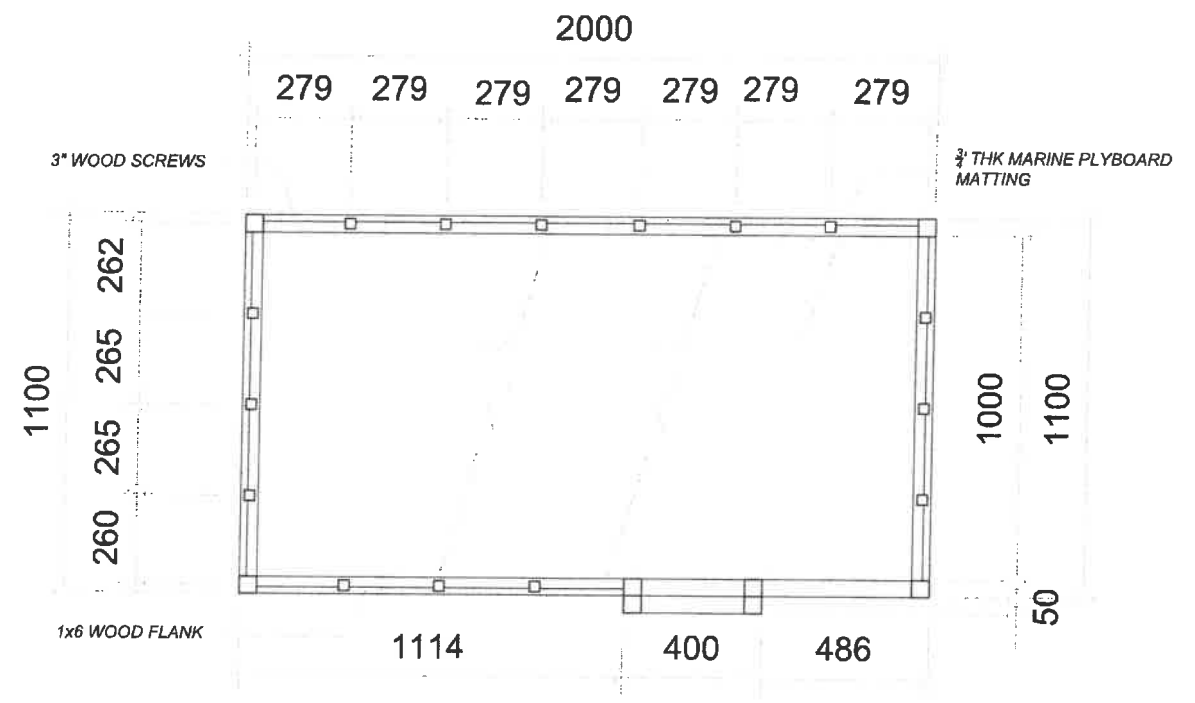
RECOMMENDED:
VIVIAN G. SIACO
ASST. DISTRICT ENGINEER
Date:

APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER
Date:

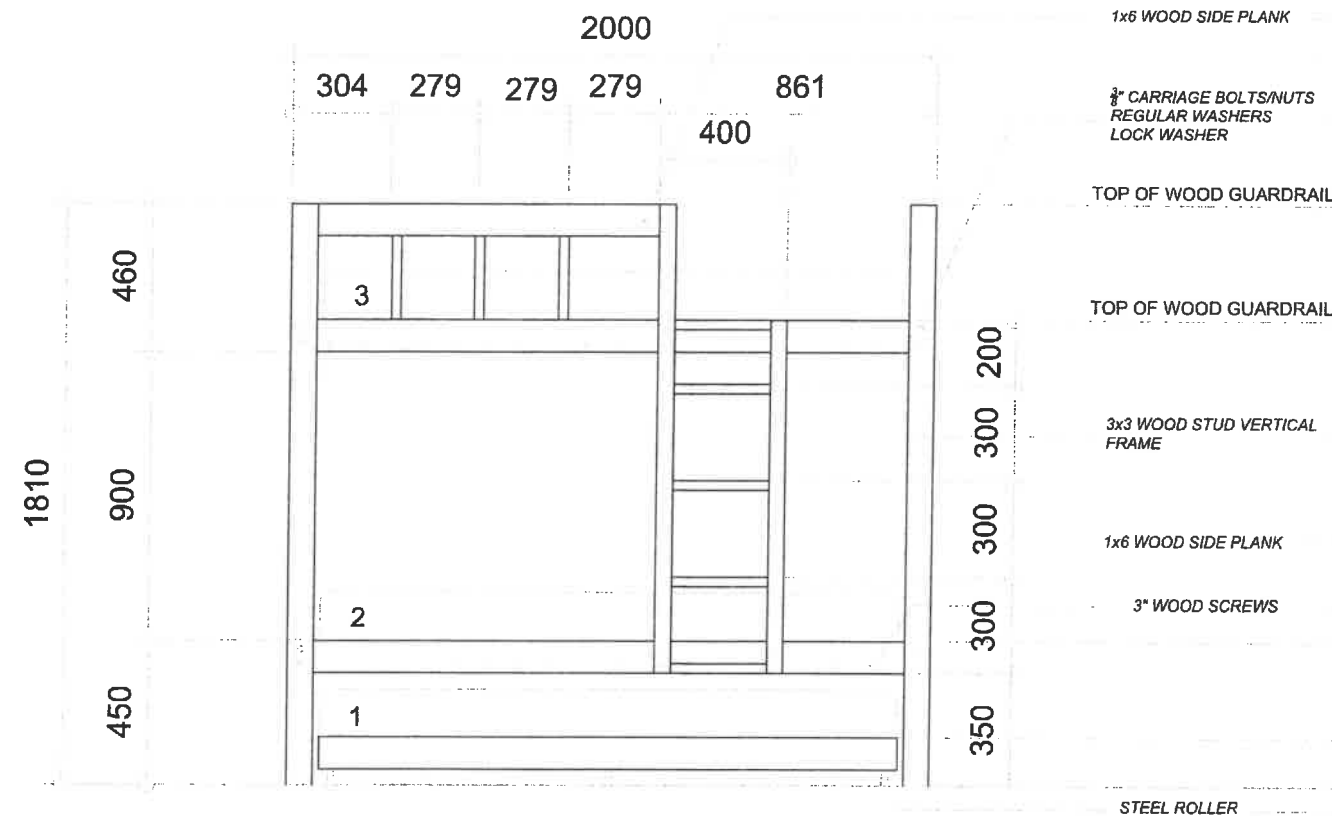
SET No. SHEET No.
A-21 23
84



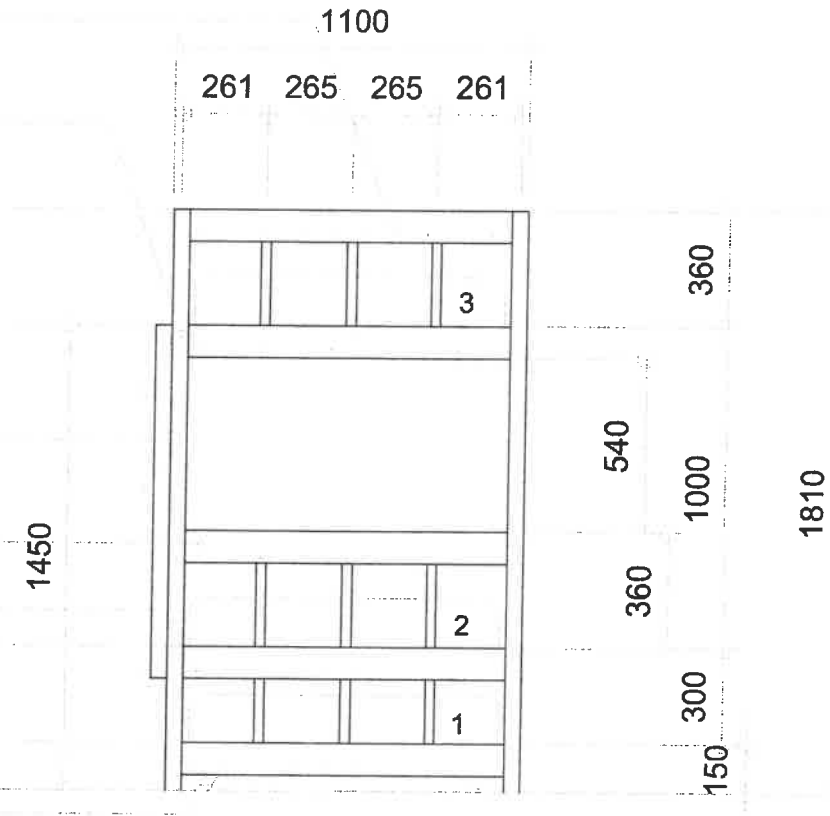
1 DOUBLE DECK TOP VIEW
A-22 SCALE: 1:15 M



2 DOUBLE DECK DETAIL PLAN
A-22 SCALE: 1:15 M



3 FRONT VIEW ELEVATION
A-22 SCALE: 1:15 M



4 SIDE VIEW ELEVATION
A-22 SCALE: 1:15 M



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DISTRICT ENGINEERING OFFICE
Cataman, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, NORTHERN SAMAR

SHEET CONTENTS:
DOUBLE DECK BED TOP VIEW
DOUBLE DECK PLAN
ELEVATION PLAN

DESIGNED:
BURT B. MENDOZA F. LUCINARIO
ARCHITECT II
Date:

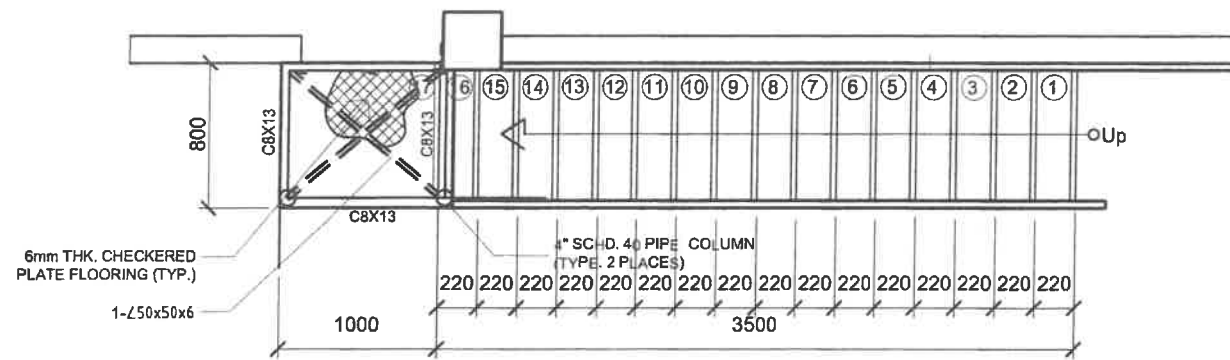
REVIEWED:
MAR DONALD N. EIMAN
ASST. CHIEF, PLANNING & DESIGN SECTION
Date:

SUBMITTED:
ANDY S. BRENDO
CHIEF, PLANNING & DESIGN SECTION
Date:

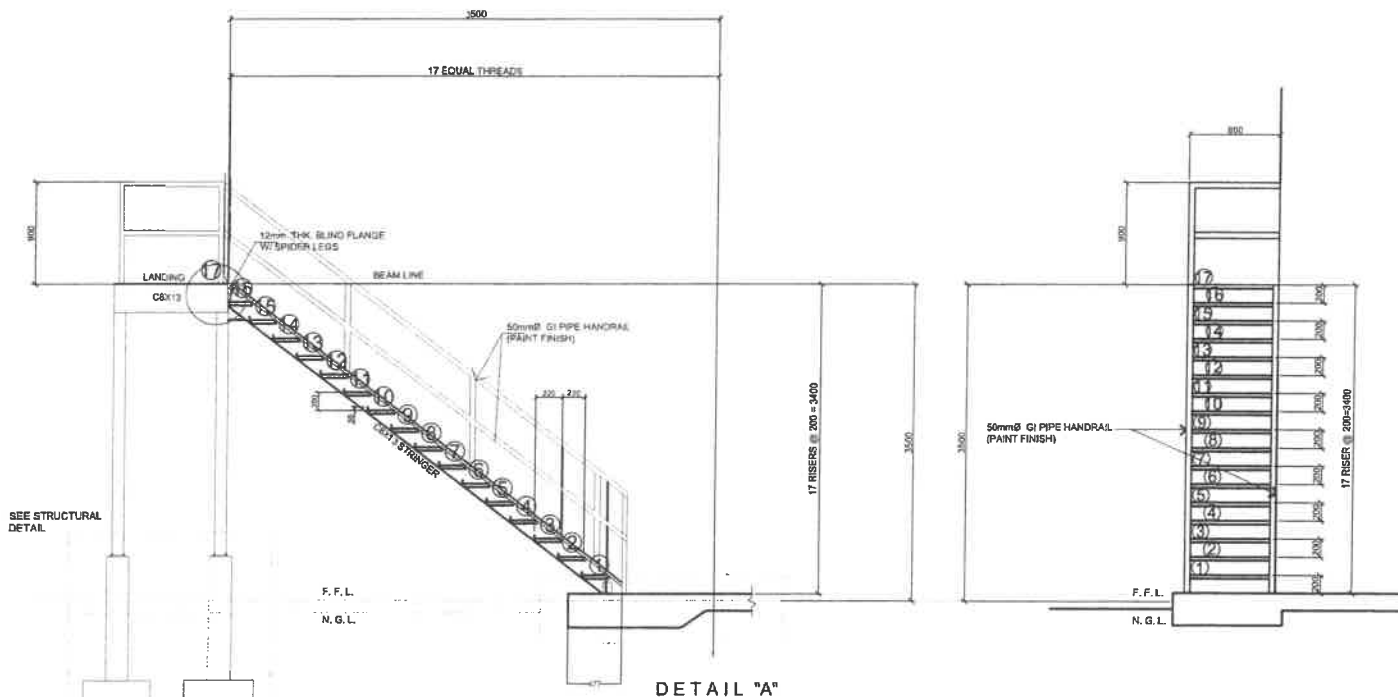
RECOMMENDED:
VIVIAN S. IGNACIO
DISTRICT ENGINEER
Date:

APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER
Date:

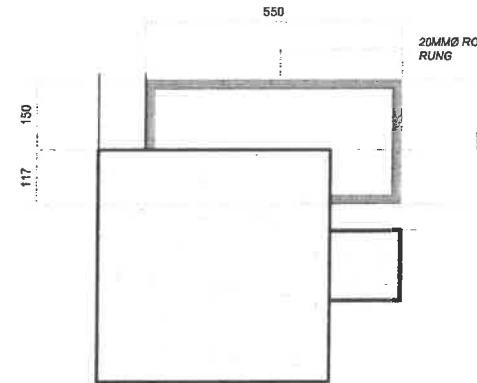
SET No. SHEET No.
A-22 24
84



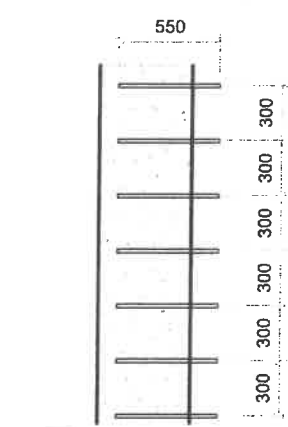
1 FIRE STAIR STAIR DETAIL PLAN
A-23 SCALE: 1:45MTS



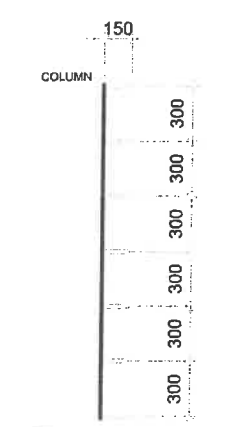
2 FIRE STAIR STAIR DETAIL SECTION
A-23 SCALE: 1:50MTS



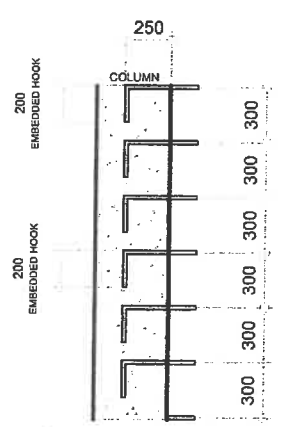
7 TOP VIEW/LADDER
A-23 SCALE: 1:10MT



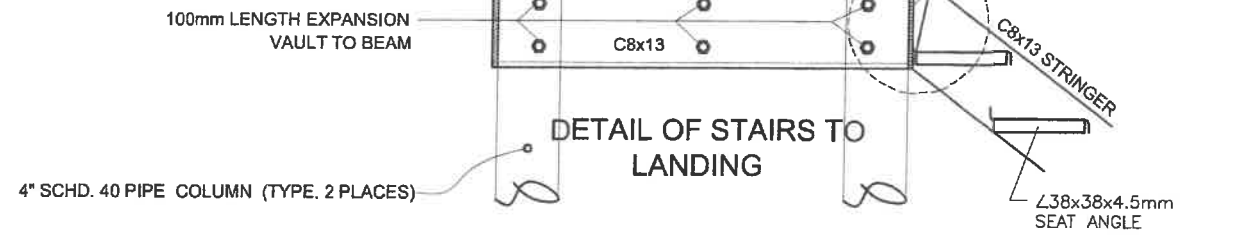
8 FRONT VIEW
A-23 SCALE: 1:20MT



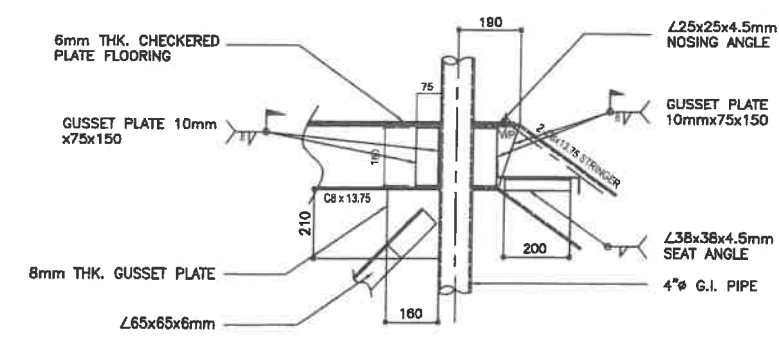
9 SIDE VIEW
A-23 SCALE: 1:20MT



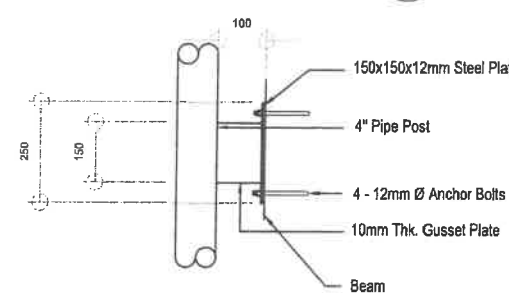
10 SECTION VIEW
A-23 SCALE: 1:20MT



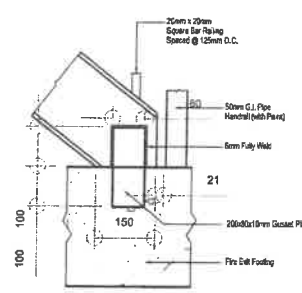
3 LANDING TO STAIR CONN. STAIR LANDING DETAIL
A-23 SCALE: 1:30MTS



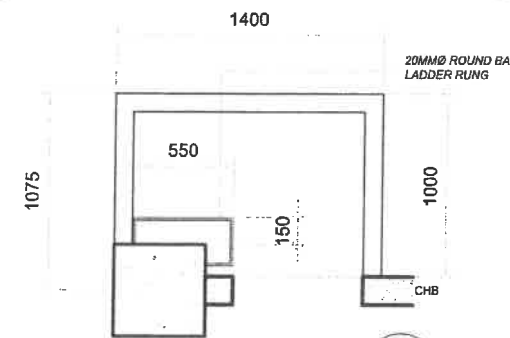
4 LANDING TO PIPE CONN. BLOW UP DETAIL A
A-23 SCALE: NTS



5 LANDING TO PIPE CONN. BLOW UP DETAIL B
A-23 SCALE: NTS



6 BASE CONNECTION BLOW UP DETAIL C
A-23 SCALE: NTS



11 LADDER RUNG DETAIL PLAN
A-23 SCALE: 1:20MT



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DISTRICT ENGINEERING OFFICE
Catagan, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATAGAN, NORTHERN SAMAR

SHEET CONTENTS:
STAIR DETAIL PLAN
STAIR DETAIL SECTION
BLOW UP DETAIL
TOP VIEW/LADDER RUNG
FRONT VIEW
SIDE VIEW
SECTION VIEW
LADDER RUNG DETAIL PLAN

DESIGNED:
BURT BUNDO F. LUCINARIO
ARCHITECT II

REVIEWED:
MAR DONALD H. EIMAN
ASST. CHIEF, PLANNING & DESIGN SECTION

SUBMITTED:
ANDY S. EREÑO
CHIEF, PLANNING & DESIGN SECTION

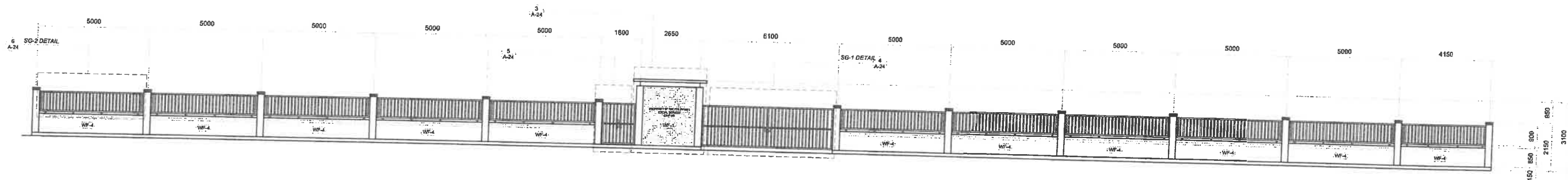
RECOMMENDED:
VIVIAN G. SIACO
ASST. DISTRICT ENGINEER

APPROVED:
ALVIN A. IGNACIO
DISTRICT ENGINEER

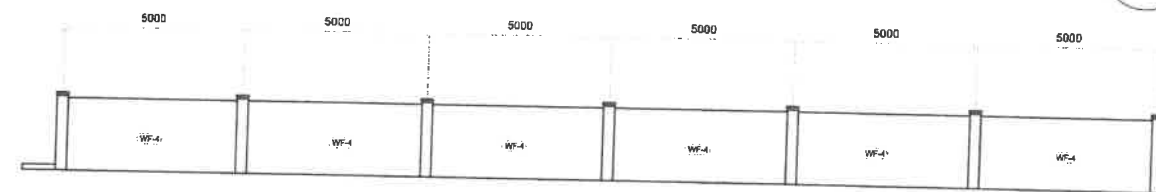
SET No. A-23
SHEET No. 25
84

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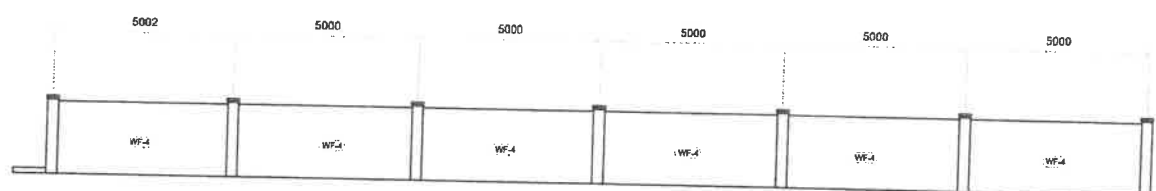
 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Cataman, Northern Samar	PROJECT NAME & LOCATION:	SHEET CONTENTS:	DESIGNED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SET No.	SHEET No.
	CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING, UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, NORTHERN SAMAR UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN N. SAMAR	DETAIL PERIMETER FENCE PLAN	 BURT EMILIO F. LUCINARIO ARCHITECT II	 MAR DONALD N. EIMAN ASST. CHIEF, PLANNING & DESIGN SECTION	 ANDY S. ERENO CHIEF, PLANNING & DESIGN SECTION	 VIVIAN C. BIACO ASST. DISTRICT ENGINEER	 ALVIN A. IGNACIO DISTRICT ENGINEER		



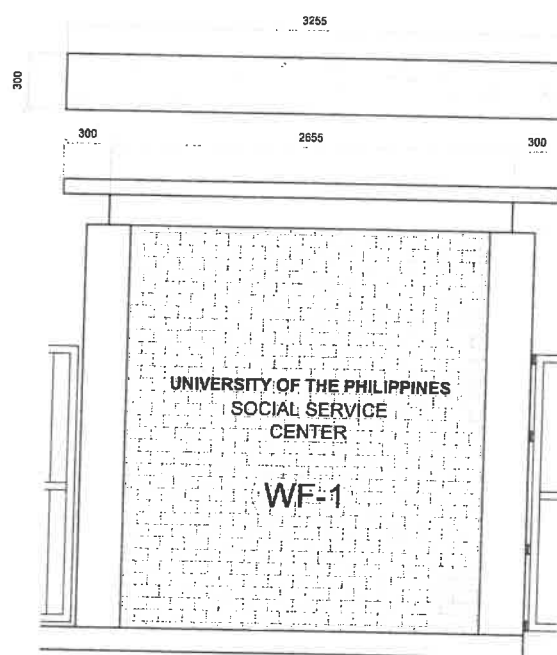
1 FRONT SIDE ELEV. PERIMETER WALL
A-25 SCALE: 1:150 M



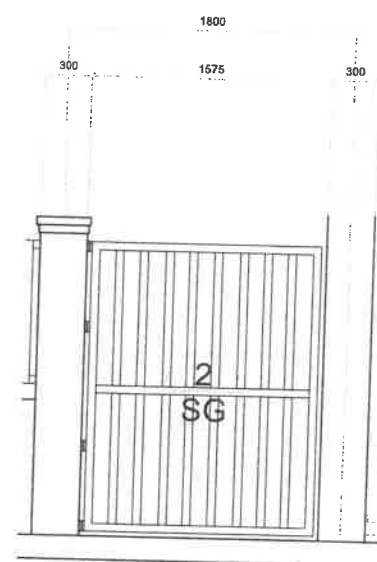
2 RIGHT SIDE ELEV. PERIMETER WALL
A-25 SCALE: 1:150 M



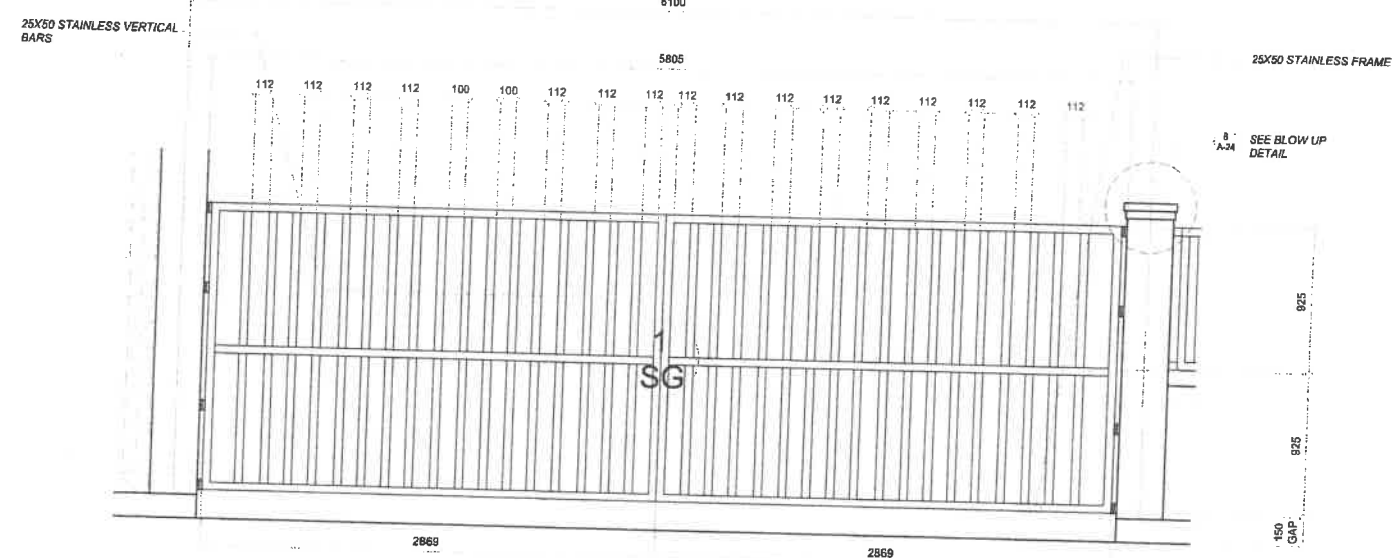
3 LEFT SIDE ELEV. PERIMETER WALL
A-25 SCALE: 1:150 M



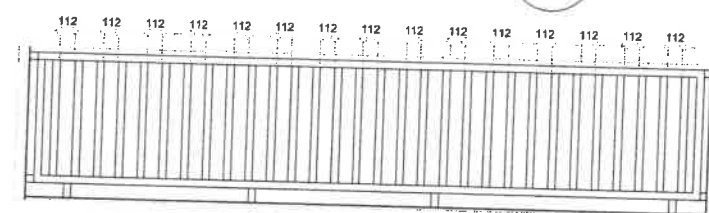
3 BLOW UP DETAIL
A-25 SCALE: 1:80 M



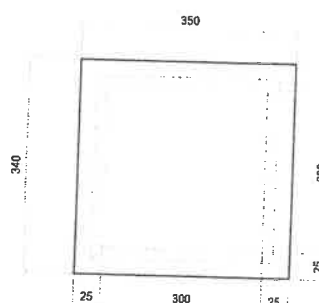
5 BLOW UP DETAIL
A-24 SCALE: 1:80 M



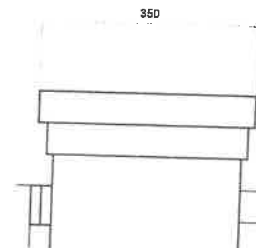
4 BLOW UP DETAIL
A-25 SCALE: 1:80 M



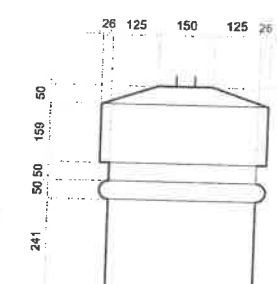
6 BLOW UP DETAIL
A-25 SCALE: 1:80 M



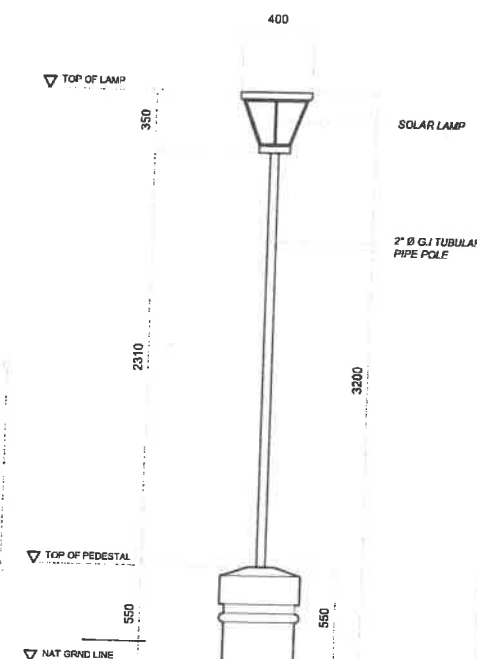
7 PLAN DETAIL/CORNICE
A-25 SCALE: 1:80 M



8 BLOW UP DETAIL
A-25 SCALE: 1:80 M



9 PEDESTAL SOLAR LAMP POST BLOW UP DETAIL
A-25 SCALE: 1:20 NTS



10 DETAIL ELEVATION LAMP POST
A-25 SCALE: 1:30 NTS

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Cataman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING, UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN, NORTHERN SAMAR UNIVERSITY OF EASTERN PHILIPPINES, CATAMAN N. SAMAR	SHEET CONTENTS: FRONT SIDE ELEVATION/FENCE RIGHT SIDE ELEVATION/FENCE LEFT SIDE ELEVATION/FENCE BLOW UP DETAIL/STAINLESS GATE/SG-1 BLOW UP DETAIL/STAINLESS GATE/SG-2 BLOW UP DETAIL/STAINLESS GATE/SG-3 BLOW UP DETAIL LAMP POST DETAIL ELEVATION OF LAMP POST	DESIGNED: BURTON L. LUCINARIO ARCHITECT II	REVIEWED: MAR DONALD N. EIMAN ASST. CHIEF, PLANNING & DESIGN SECTION	SUBMITTED: ANDY S. ENERO CHIEF, PLANNING & DESIGN SECTION	RECOMMENDED: VIVIAN E. BIACO ASST. CHIEF, PLANNING & DESIGN SECTION	APPROVED: ALVIN A. IGNACIO DISTRICT ENGINEER	SET No. 27 SHEET No. 84
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GENERAL CONSTRUCTION NOTES

GENERAL NOTES

1.0 STANDARDS AND REFERENCES

THE FOLLOWING SHALL GOVERN THE DESIGN FABRICATION AND CONSTRUCTION OF THE PROJECT.

1.1 NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (N.S.C.P 2015) VOL. 1, SEVENTH EDITION.

2.0 DESIGN CRITERIA

2.1 LOADINGS

A. DEAD LOAD

CONCRETE	23.56 kN/m ²
STEEL	76.93 kN/m ²
150 mm THK. CHB WALL	2.73 kPa
100 mm THK. CHB WALL	2.11 kPa

B. LIVE LOAD

ROOF	1.00 kPa
TOILETS	1.90 kPa
CORRIDORS ABOVE, STAIRS	3.80 kPa
CORRIDORS ON GROUND	4.80 kPa

C. WIND LOAD

BUILDING CATEGORY = IV (STANDARD OCCUPANCY)
EXPOSURE = D (FLAT, UNOBSTRUCTED AREAS AND WATER SURFACES)
MAXIMUM WIND VELOCITY, V = 340 KPH

$$P = q_h [(GC_{pf}) - (GC_{pi})] \quad (\text{DESIGN WIND PRESSURE})$$

WHERE: q_h = VELOCITY PRESSURE (kPa)

GC_{pf} = EXTERNAL PRESSURE COEFFICIENT

GC_{pi} = INTERNAL PRESSURE COEFFICIENT

D. SEISMIC LOAD

$$V = \frac{C_d}{R} W \quad (\text{DESIGN BASE SHEAR})$$

$$V_{max} = \frac{2.50 C_d}{R} W$$

$$V_{min} = 0.11 C_d W$$

$$V_{min} = \frac{0.80 Z N_d}{R} W \quad (\text{ZONE 4})$$

WHERE: W = TOTAL DEAD LOAD

T = NATURAL PERIOD = $C_t (h)$

WHERE: C = NUMERICAL COEFFICIENT

h = BUILDING HEIGHT

I = IMPORTANCE FACTOR = 1

R = NUMERICAL FACTOR = 8.50

SEISMIC COEFFICIENT $C_s = 0.44 N_v$

$C_a = 0.64 N_v$

NEAR SOURCE FACTOR (5 km) $N_v = 1.6$

$N_a = 1.2$

Z = SEISMIC ZONE = 0.40 (ZONE 4)

S = SOIL TYPE = D

2.2 DESIGN STRESSES

A. CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS:

a. FOOTINGS, COLUMNS, BEAMS AND SLABS

$f'_c = 20.7 \text{ MPa (3,000 psi)}$

b. SLAB ON FILL

$f'_c = 17.5 \text{ MPa (2,500 psi)}$

B. REINFORCING STEEL BARS

a. FOR BARS 16mm AND GREATER (INTERMEDIATE GRADE DEFORMED BAR)

$f_y = 414 \text{ MPa (60,000 psi)}$

b. FOR BARS LESS THAN 16mm (STRUCTURAL GRADE DEFORMED BAR)

$f_y = 275 \text{ MPa (40,000 psi)}$

C. STRUCTURAL STEEL ASTM-A36

FOR TRUSSES, BRACINGS, & STRUTS

$f_y = 248 \text{ MPa (36,000 psi)}$

D. PURLINS

COLD FORMED LIGHT

$f_y = 248 \text{ MPa (36,000 psi)}$

E. MASONRY UNIT (CHB)

NON - LOADING BEARING CHB WALLS

$f_m' = 3.45 \text{ MPa (500 psi)}$

F. WELDS

E - 80XX ELECTRODE

a. $F_t = 96.60 \text{ MPa (14,000 psi)}$

b. $F_v = 69.00 \text{ MPa (10,000 psi)}$

G. STRUCTURAL BOLTS ASTM-A307

3.0 IN THE INTERPRETATION OF THE DRAWING, INDICATED DIMENSIONS SHALL GOVERN.

DISTANCES AND SIZES SHALL NOT BE SCALED FOR CONSTRUCTIONS PURPOSES

4.0 IN REFERENCES TO OTHER DRAWINGS, SEE ARCHITECTURAL DRAWINGS FOR DEPRESSIONS IN FLOOR

SLABS, OPENINGS IN THE WALLS AND SLABS, INTERIOR PARTITIONS, LOCATIONS OF DRAINS ETC.

5.0 IN CASE OF DISCREPANCIES AS TO THE LAYOUT, DIMENSIONS AND ELEVATIONS BETWEEN THE

STRUCTURAL PLANS AND ARCHITECTURAL DRAWINGS, THE CONTRACTORS SHALL NOTIFY BOTH THE

STRUCTURAL ENGINEER AND ARCHITECTS.

6.0 ALL CONCRETE WORKS AND CONCRETE REINFORCEMENTS SHALL BE DONE IN ACCORDANCE WITH THE

ACI-318-14M BUILDING CODE REQUIREMENT AND ALL STRUCTURAL STEEL WORKS ACCORDING WITH THE

WITH THE AISC-05 IN SO FAR AS THEY DO NOT CONFLICT WITH THE LOCAL BUILDING CODE REQUIREMENT.

7.0 ACI REFERS TO AMERICAN CONCRETE INSTITUTE, AISC REFERS TO AMERICAN INSTITUTE OF STEEL

CONSTRUCTION AND ASTM REFERS TO AMERICAN SOCIETY FOR TESTING MATERIALS.

8.0 CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR

NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.

9.0 SHOP DRAWING WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS

IRON, PRE-CAST CONCRETE, ETC. SHALL BE SUBMITTED FOR ENGINEERS APPROVAL BEFORE FABRICATION.

10. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS EQUIPMENT AND

MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS.

11. ALL RESULTS OF THE MATERIAL TESTING FOR CONCRETE, REINFORCING BARS & STRUCTURAL STEEL MUST

BE NOTED & APPROVED BY THE MATERIALS ENGINEER/STRUCTURAL DESIGNER.

NOTES ON CONCRETE MIXES & PLACING

1. ALL CONCRETE SHALL DEVELOP A MIN. COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS W/ CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMP AS FOLLOWS.

LOCATION	28 DAYS STRENGTH	MAX. SIZE OF AGGREGATE	MAX. SLUMP
ALL OTHERS, INCLUDING SUSPENDED SLABS	3000 PSI (20.7 MPa)	20 mm	100mm
COLUMNS	3000 PSI (20.7 MPa)	20 mm	100mm
BEAMS, SLABS	3000 PSI (20.7 MPa)	20 mm	100mm
SLAB ON FILL	2500 PSI (17.5 MPa)	20 mm	100mm

2. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

SUSPENDED SLABS	20mm
SLAB ON GRADE	40mm
WALLS ABOVE THE GRADE	25mm
BEAM STIRRUPS AND COLUMN TIES	40mm
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS	50mm
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	75mm

3. CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION. RE-HANDLING OR PLACING SHALL BE DONE PREFERABLY WITH BUCKETS, BUCKETS OR WHEELBARROWS, NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUCKETS, WHEELBARROWS OR BUCKETS IN WHICH CASE THEY SHALL NOT EXCEED SIX (6) METERS IN AGGREGATE LENGTH.

4. NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING DESIGNER AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATIONS ARE EXTREMELY DIFFICULT TO ACCOMPLISH.

5. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

6. ALL CONCRETE SHALL BE KEPT MOST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

7. STRIPPING OF FORMS AND SHORES:

FOUNDATION	24 HOURS
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8 DAYS
WALLS	21 DAYS
BEAMS	14 DAYS
COLUMNS	21 DAYS

8. THE CONTRACTOR SHALL SUBMIT THE SCHEDULE OF POURING AND THE LOCATION OF THE CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER AT LEAST (4) DAYS PRIOR TO THE POURING FOR APPROVAL.

9. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE FORMS AND SHORINGS UNTIL THE CONCRETE MEMBERS HAVE ATTAINED THEIR WORKING CONDITION AND STRENGTH.

NOTES ON FOOTINGS

1. FOOTINGS ARE DESIGNED FOR AN ALLOWANCE SOIL BEARING PRESSURE OF 96 KPa (2000psi). CONTRACTOR SHALL REPORT TO THE ENGINEER, IN WRITING, THE ACTUAL SOIL CONDITIONS UNCOVERED AND CONFIRM ACTUAL BEARING CAPACITY OF SOIL BEFORE DEPOSITING CONCRETE.

2. FOOTING SHALL REST AT LEAST 150mm BELOW NATURAL GRADE LINE UNLESS OTHERWISE INDICATED IN PLANS. NO FOOTING SHALL REST ON FILL.

3. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 75mm CLEAR FOR CONCRETE DEPOSITED THE GROUND AND 50mm FOR CONCRETE DEPOSITED AGAINST A FORMWORK.

4. IN CASES WHERE THE SOIL CONDITION IS SUCH THAT THE MINIMUM ALLOWABLE SOIL PRESSURE OF 96KPa (2000 psi) CAN NOT BE ATTAINED AT A PRACTICAL DEPTHS THE USE OF MICROPILES, BORED PILES, OR DRIVEN PILES MAY BE ADOPTED IN LIEU OF STANDARD ISOLATED FOOTINGS.

NOTES ON REINFORCEMENT

1. UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:

A. FOOTINGS, FOOTING BEAMS AND GIRDERS $f_y = 275 \text{ MPa (40,000 psi)}$

B. COLUMNS AND SHEAR WALLS $f_y = 275 \text{ MPa (40,000 psi)}$

C. BEAMS AND GIRDER $f_y = 275 \text{ MPa (40,000 psi)}$

D. NON-LOAD BEARING WALL, PARTITIONS, BEDDED SLABS, FLOOR & ROOF SLABS, PARAPETS, CATCH BASIN, SIDE WALK $f_y = 275 \text{ MPa (40,000 psi)}$

2. ALL REINFORCING BARS SIZE 10mm OR LARGER SHALL BE DEFORMED IN ACCORDANCE WITH THE ASTM A-706

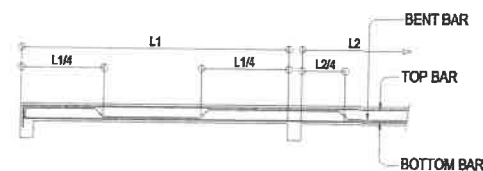
BARS SMALLER THAN 10mm MAY BE PLAIN.

3. SPLICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE w/ TABLE B (TABLE OF LAP SPLICE & ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.

NOTES ON CONCRETE SLABS

1. ALL SLAB REINFORCEMENTS SHALL BE 20mm CLEAR MINIMUM FROM BOTTOM AND FROM THE TOP OF SLAB.

2. UNLESS OTHERWISE SHOWN, REINFORCEMENT IN CONTINUOUS ELEVATED SLAB SHALL BE CUT AS FOLLOWS:



3. IF SLABS ARE REINFORCED BOTHWAYS BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONG SPAN AT THE CENTER AND OVER THE LONGER SPAN FOR REINFORCING BARS NEAR THE SUPPORTS. THE SPACING OF THE BARS AT THE COLUMN STRIPS SHALL NOT BE MORE THAN ONE AND A HALF (1 1/2) SLAB THICKNESS.

4. TEMPERATURE BARS FOR SLAB SHALL BE GENERALLY PLACED NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.0025 X GROSS-SECTIONAL AREA (A_g) OF THE SLAB. (SEE SCHEDULE BELOW)

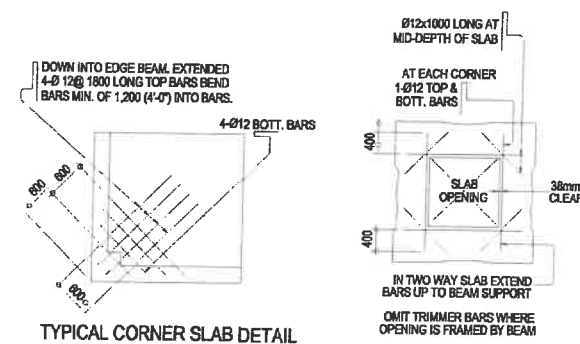
SCHEDULE OF MINIMUM SLAB REINFORCEMENT

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

5. UNLESS OTHERWISE NOTED IN THE PLANS ALL BEDDED SLABS SHALL BE REINFORCED WITH 10mm @ 250mm O.C. EACH WAY TO CENTER OF SLAB AND CONSTRUCTION JOINTS FOR SAME SHALL NOT BE LESS THAN 3.65 METER APART.

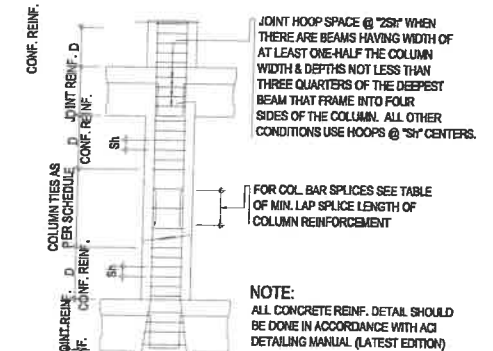
6. PROVIDE EXTRA REINFORCEMENTS FOR CORNER SLAB (TWO ADJACENT DISCONTINUOUS EDGES) AS SHOWN BELOW.

7. CONCRETE SLAB REINFORCEMENT BE PROPERLY SUPPORTED WITH 10mm STEEL CHAIR OR APPROVED EQUIVALENT SPACED AT 1.0 METER ON CENTER BOTHWAYS.

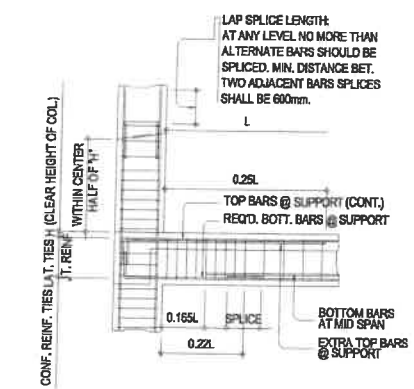


TYPICAL CORNER SLAB DETAIL

TYPICAL SLAB OPENING DET.



TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



TYP. DETAIL OF COL. LAP SPLICE & EXT. GIRDER TO COL. CONNECT.

NOTES ON COLUMNS

1. PROVIDE EXTRA SETS OF TIES AT 100 O.C. FOR TIED COLUMN REINFORCEMENT ABOVE AND BELOW BEAM-COLUMN CONNECTIONS FOR A DISTANCE FROM FACE OF CONNECTION EQUAL TO GREATER OF THE OVERALL THICKNESS OF COLUMN, 1/6 THE CLEAR HEIGHT OF COLUMN OR 450mm.

2. COLUMN TIES SHALL BE PROTECTED EVERYWHERE BY A COVERING OF CONCRETE CAST MONOLITHICALLY WITH THE CORE WITH A MINIMUM THICKNESS OF 40mm AND NOT LESS THAN 40 TIMES THE MAXIMUM SIZE OF COARSE AGGREGATE IN MILLIMETERS.

3. WHERE COLUMNS CHANGE IN SIZE, VERTICAL REINFORCEMENT SHALL BE OFFSET AT A SLOPE MONOLITHICALLY WITH THE CORE WITH MINIMUM THICKNESS OF 40mm AND NOT LESS THAN 40 TIMES THE MAXIMUM SIZE COARSE AGGREGATE IN MILLIMETERS.

4. UNLESS OTHERWISE INDICATED IN THE PLANS, LAP SPLICES FOR VERTICAL COLUMN REINFORCEMENT SHALL BE MADE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPLICE LENGTH SHALL BE LESS THAN 40 BAR DIAMETERS. WELDING OR APPROVED MECHANICAL DEVICES MAY BE USED PROVIDED THAT NOT MORE THAN ALTERNATE BARS ARE WELDED OR MECHANICALLY SPLICED AT ANY LEVEL AND THE VERTICAL DISTANCES BETWEEN THESE SPLICES OF ADJACENT BARS IS NOT LESS THAN 600mm.

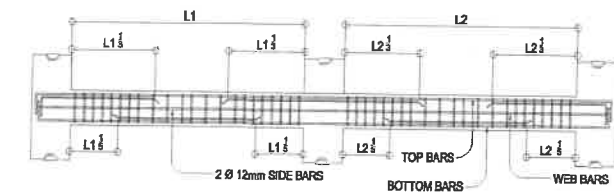
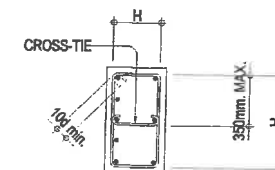


FIGURE B-1



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Catamban, Northern Samar

PROJECT NAME & LOCATION:
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING,
UNIVERSITY OF EASTERN PHILIPPINES, CATAMBAN, NORTHERN SAMAR

SHEET CONTENTS:
GENERAL NOTES

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SET No. S-1
SHEET No. 28
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