




Republic of the Philippines
Department of Education
Cordillera Administrative Region

BID BULLETIN NO. 2

TO : All interested Bidders
All Concerned

FROM : 
ATTY. SEBASTIAN G. TAYABAN
BAC Co-Chairperson

PROJECT : **Repair/ Rehabilitation of NEAP, Baguio City Building, Phase II**

DATE : August 9, 2021

Project Identification Number 2021-018.

For the information of all interested bidders and all concerned are the drawings/plans for the following:

- a) Ramp and Powerhouse detail; and,
- b) Lift-elevator system installation.

This forms part of the bidding documents.





Republic of the Philippines
Department of Education
Cordillera Administrative Region

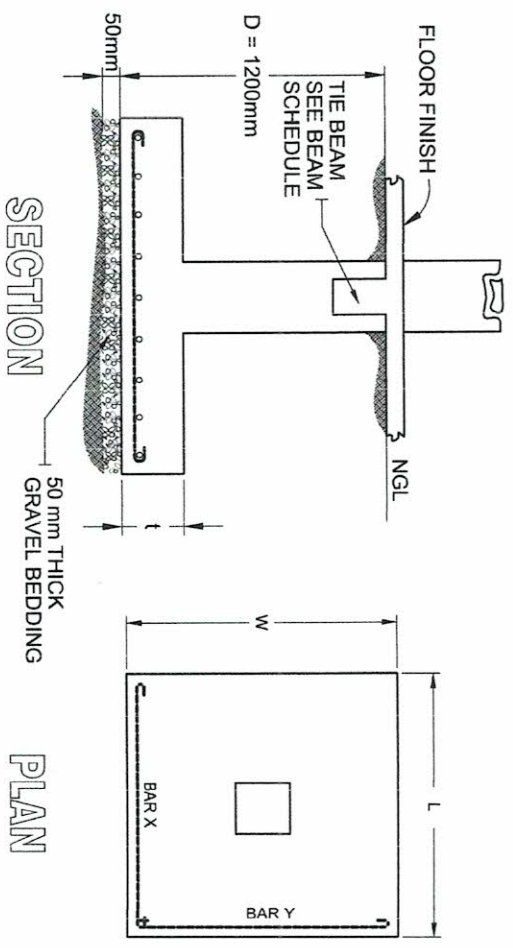
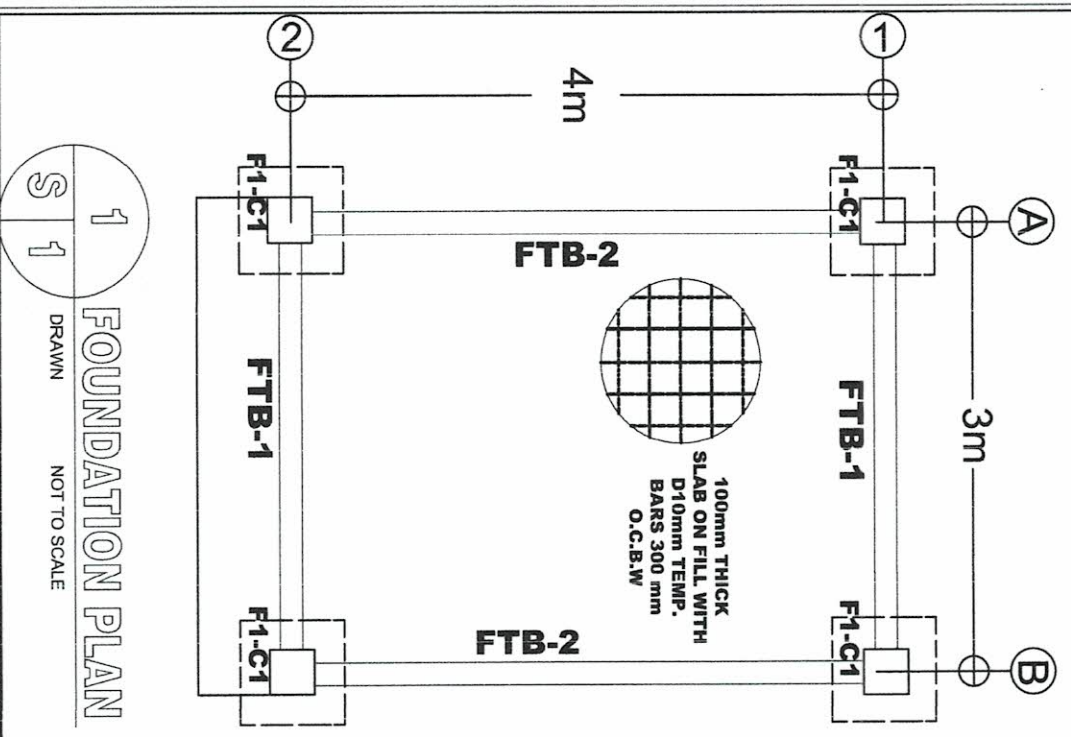
RAMP AND POWERHOUSE DETAIL



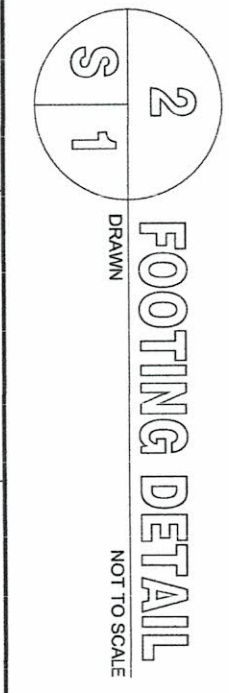
Address: Wangal, La Trinidad, Benguet, 2601
Telephone No: (074) 422 – 1318 | **Fax No.:** (074) 422-4074
Website: www.depedcar.ph | **Email Address:** car@deped.gov.ph



ISO 9001:2015 Certified
Quality Management System
DE-50500784 QM15



FOOTING SCHEDULE							
FOOTING MARK	FOOTING DIMENSIONS (mm)			REINFORCEMENT		REMARKS	
	LENGTH (L)	WIDTH (W)	thickness (t)	DEPTH (D)	BAR X		BAR Y
F-1	1000	1000	300	1200	8 - D16mm	8 - D16mm	SQUARE FOOTING



REPUBLIC OF THE PHILIPPINES
DepEd
DEPARTMENT OF EDUCATION
EDUCATION FACILITIES SECTION
WANGAL, LA TRINIDAD, BENGUET

PREPARED BY: **KEMERY G. RIZALDO** ENGINEER I
CHECKED BY: **CHRISTOPHER B. HADSAN** REGIONAL ENGINEER
RECOMMENDING APPROVAL: **EDGAR H. MADLAING** CHIEF, FSSD
APPROVED BY: **ESTELA LEON-CARINO, EDD CESSO III** REGIONAL DIRECTOR, DIRECTOR IV

PROJECT TITLE: **POWERHOUSE**

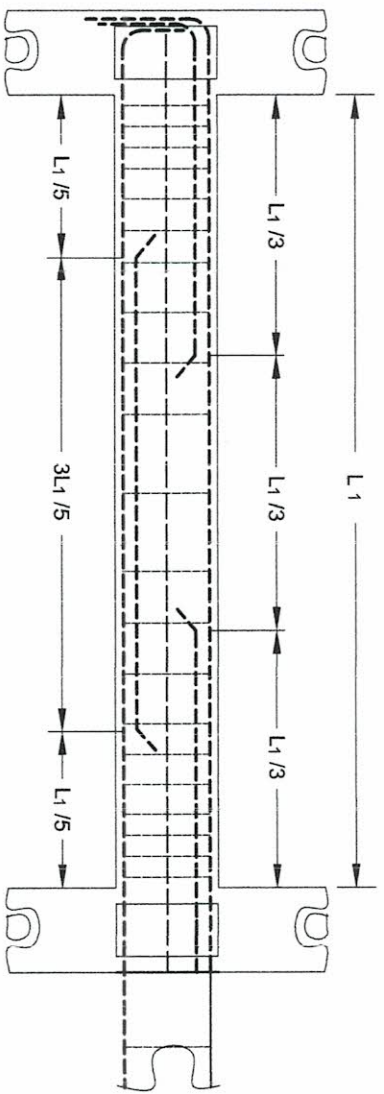
OWNER: **DEPARTMENT OF EDUCATION - CAR REGIONAL OFFICE**

SHEET CONTENT: **FOUNDATION PLAN**
FOUNDATION DETAIL PLAN

SHEET NO.: **S1**
3

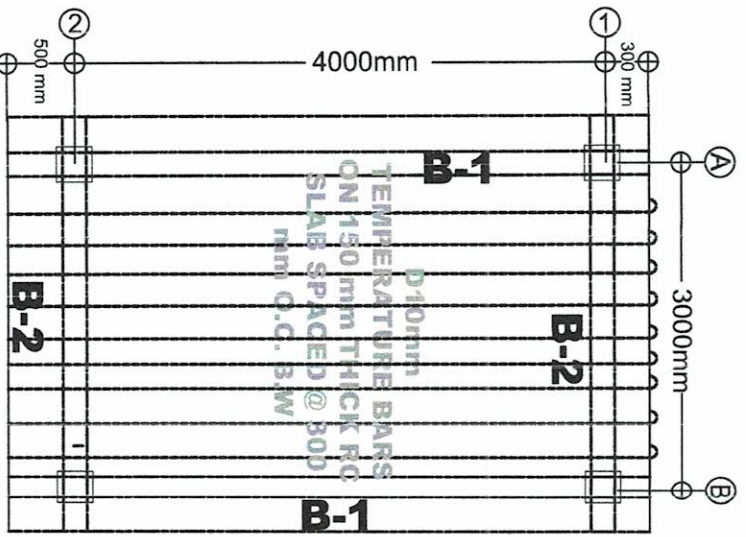
1 FOUNDATION PLAN
DRAWN NOT TO SCALE

2 FOUNDING DETAIL
DRAWN NOT TO SCALE

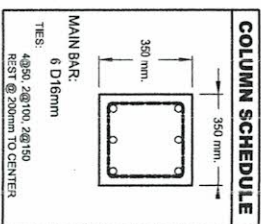


BEAM SCHEDULE

BEAM MARK	BEAM DIMENSIONS		REBAR DIAMETER (mm)	STEEL REINFORCEMENT						STIRRUPS D10 mm (UNLESS NOTED OTHERWISE)
	WIDTH (b,mm)	DEPTH (h,mm)		LEFT		MIDSPAN		RIGHT		
				TOP	BOTT.	TOP	BOTT.	TOP	BOTT.	
B1	300	350	12	3	2	2	3	3	2	3@50, 4@100, 4@150 REST @200 TO CENTER
B2	300	350	12	3	2	2	3	3	2	
TB	200	350	12	3	3	2	2	3	3	



2
 SLAB DETAIL
 DRAWN NOT TO SCALE



3
 COLUMN DETAIL
 DRAWN NOT TO SCALE

1
 BEAM SCHEDULE
 DRAWN NOT TO SCALE

DepEd
 REPUBLIC OF THE PHILIPPINES
 DEPARTMENT OF EDUCATION
 EDUCATION FACILITIES SECTION
 MANILA, LA TRINIDAD, BRIGUET

PREPARED BY: **KEMERY G. RIZALDO** ENGINEER I
 CHECKED BY: **CHRISTOPHER B. HADSAN** REGIONAL ENGINEER
 RECOMMENDING APPROVAL: **EDGAR H. MADLAING** CHIEF/ISSD
 APPROVED BY: **ESTELA LEON-CARINO, EDD CESSOH** REGIONAL DIRECTOR/DIRECTOR IV

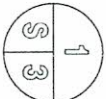
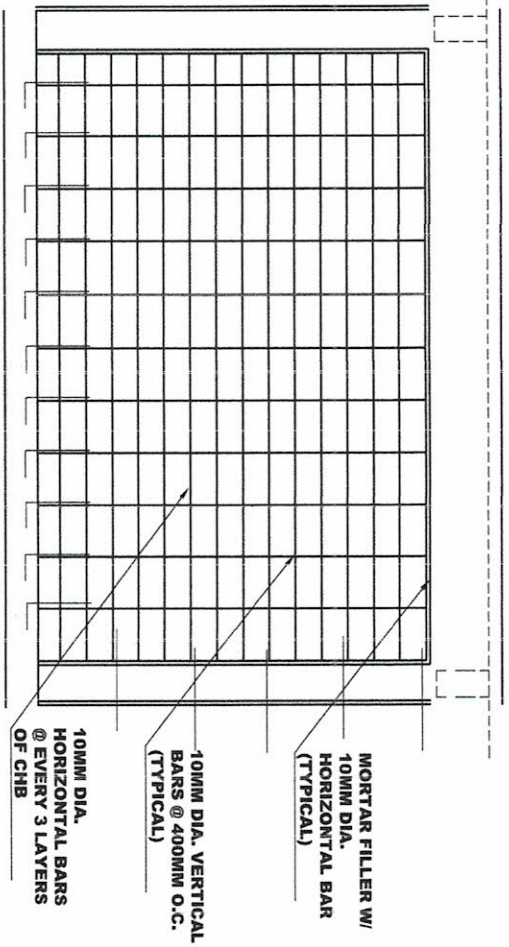
PROJECT TITLE: **POWERHOUSE**

OWNER: **DEPARTMENT OF EDUCATION - CAR REGIONAL OFFICE**

SHEET CONTENT:
BEAM SCHEDULE
SLAB DETAIL
COLUMN DETAIL

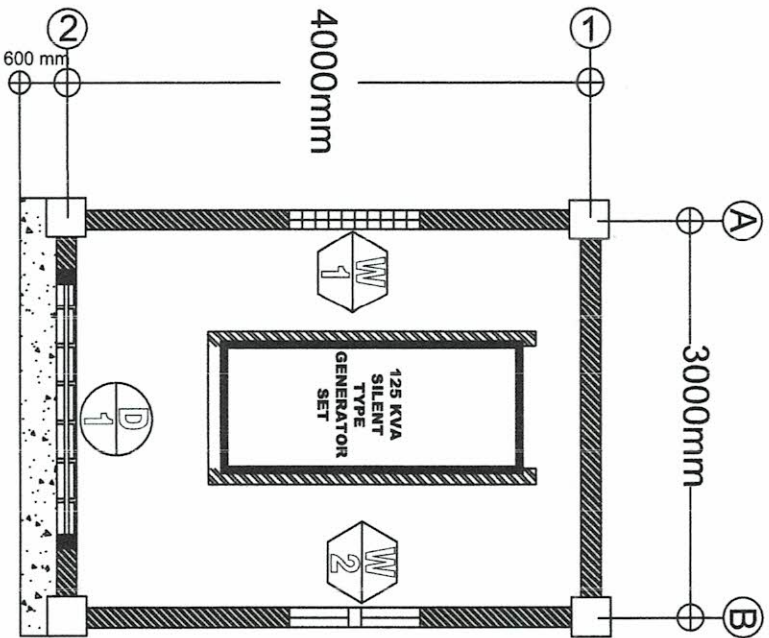
SHEET NO.: **S2**

TOP OF SLAB

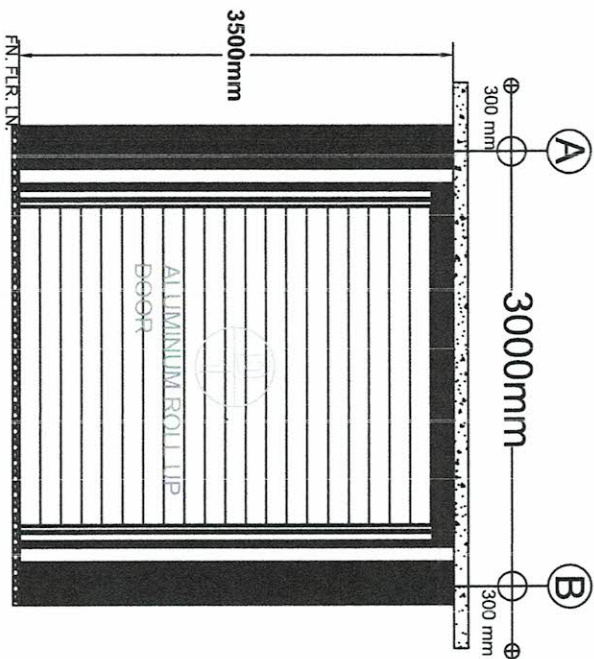


1
DRAWN
TYPICAL MASONRY ELEVATION
NOT TO SCALE

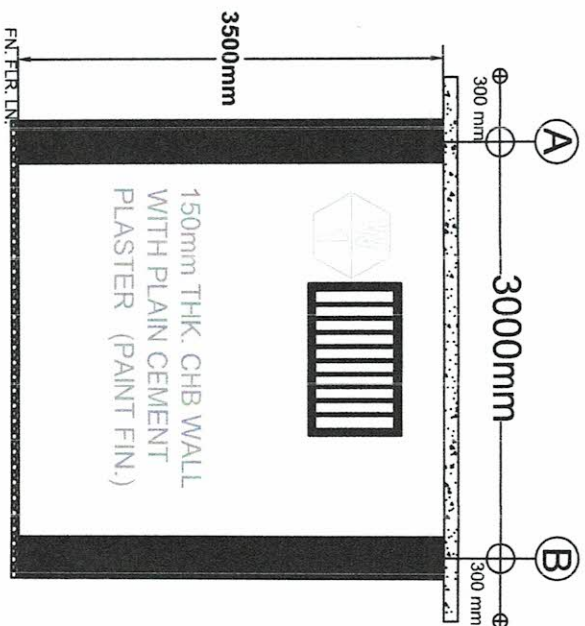
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1 FLOOR PLAN
DRAWN NOT TO SCALE

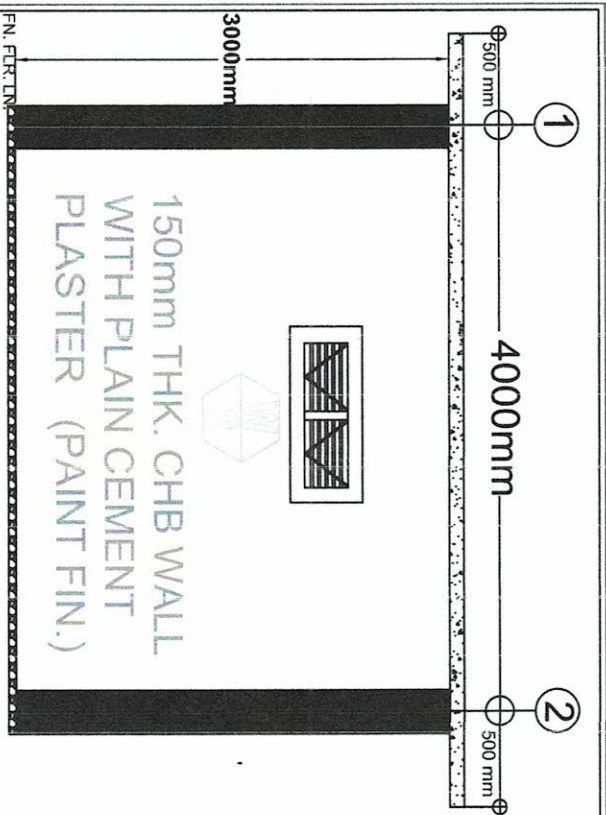


1 FRONT ELEVATION
DRAWN NOT TO SCALE



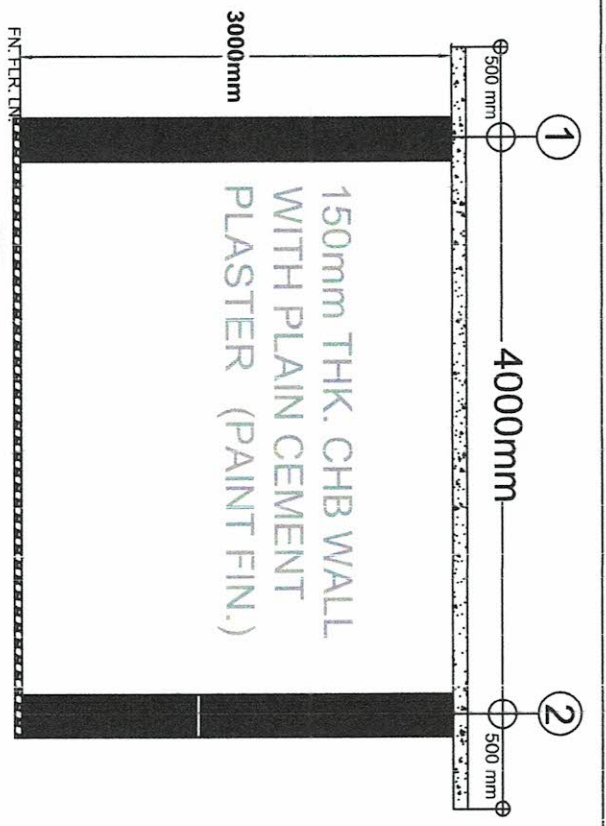
2 REAR ELEVATION
DRAWN NOT TO SCALE

REPUBLIC OF THE PHILIPPINES DepEd DEPARTMENT OF EDUCATION EDUCATION FACILITIES SECTION MANILA, LA TRINIDAD BRANCO		PREPARED BY: KEMERY G. RIZALDO ENGINEER I	CHECKED BY: CHRISTOPHER B. HADSAN REGIONAL ENGINEER	RECOMMENDING APPROVAL: EDGAR H. MADLAING CHIEF/ESD	APPROVED BY: ESTELA LEON-CARIÑO, EDD CESQUIII REGIONAL DIRECTOR/DIRECTOR IV	PROJECT TITLE: POWERHOUSE	OWNER: DEPARTMENT OF EDUCATION - CAR REGIONAL OFFICE	SHEET NO.: A1
		SHEET CONTENT: - FLOOR PLAN - FRONT ELEVATION - REAR ELEVATION						2



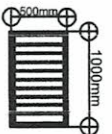
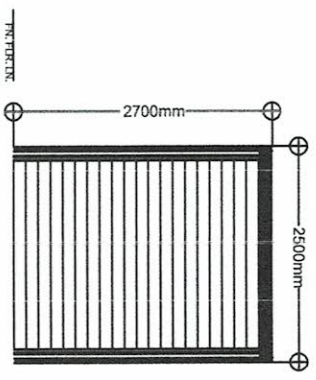
3
A 2

LEFT SIDE ELEVATION
DRAWN
NOT TO SCALE



4
A 2

RIGHT SIDE ELEVATION
DRAWN
NOT TO SCALE



1
A 3

DOOR AND WINDOWS SCHEDULE
DRAWN
NOT TO SCALE

LABEL	D1	W1	W2
DESCRIPTION	ALUMINUM ROLL UP DOOR	ALUMINUM LOUVER TYPE WINDOW/ AWNING WINDOW	
NO. OF SET	1 SET	1 SET	1 SET

PREPARED BY :

CHECKED BY :

RECOMMENDING APPROVAL :

APPROVED BY :

PROJECT TITLE :

OWNER :

SHEET NO. :

REPUBLIC OF THE PHILIPPINES
DepEd
DEPARTMENT OF EDUCATION
EDUCATION FACILITIES SECTION
MANILA, LA TRINIDAD Bldg. 100

KEMERY G. RIZALDO
ENGINEER I

CHRISTOPHER B. HADSAN
REGIONAL ENGINEER

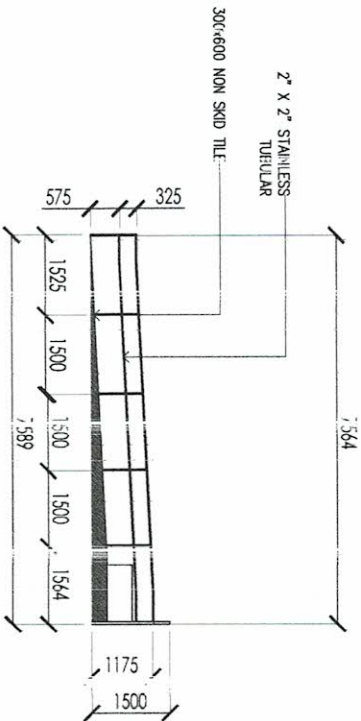
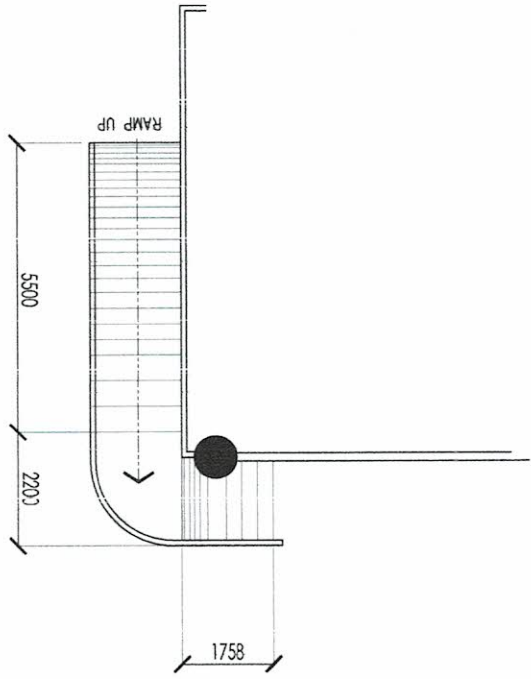
EDGAR H. MADLAING
CHIEF/ESSD

ESTELA LEON-CARINO, EDD CESO III
REGIONAL DIRECTOR/DIRECTOR IV

POWERHOUSE

DEPARTMENT OF EDUCATION-
CAR REGIONAL OFFICE
SHEET CONTENT:
LEFT SIDE ELEVATION
RIGHT SIDE ELEVATION
DOOR AND WINDOWS SCHEDULE

A 2



A

TYPICAL RAMP BLOW-UP PLAN

SCALE: 1:200M

DESIGNED BY: GINBAL TANT		PROJECT TITLE		RECOMMENDING: APPROVAL		APPROVAL		SHEET CONTAINS	
GINBAL MARENCCI T. GASACAO		PROPOSED RENOVATION OF NEAP BUILDING		JOHN ARNOLD S. SIENA		ATTY. NEPONUCENO A. MALALUAN			
DATE	2024	DATE	2024	DATE	2024	DATE	2024		
REVISED BY		REVISED BY		REVISED BY		REVISED BY			
DATE		DATE		DATE		DATE			



Republic of the Philippines
Department of Education
Cordillera Administrative Region

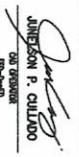
LIFT-ELEVATOR SYSTEM INSTALLATION



Address: Wangal, La Trinidad, Benguet, 2601
Telephone No: (074) 422 – 1318 | **Fax No.:** (074) 422-4074
Website: www.depedcar.ph | **Email Address:** car@deped.gov.ph





ISO 9001:2015 Certified
Quality Management System
DE-50500784 QM15

DRAWN BY :

 J. CULAD
 SENIOR ENGINEER
 DE-040

CHECKED BY :

 W. MARCON
 SENIOR ENGINEER
 DE-040

RECOMMENDING APPROVAL :

 L. PUNSUA, JR.
 SENIOR ENGINEER
 DE-040

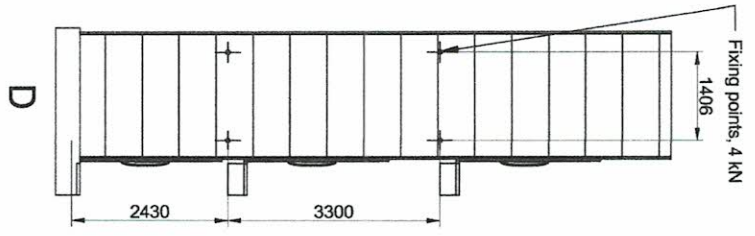
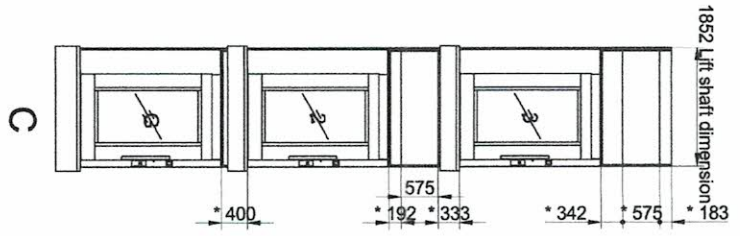
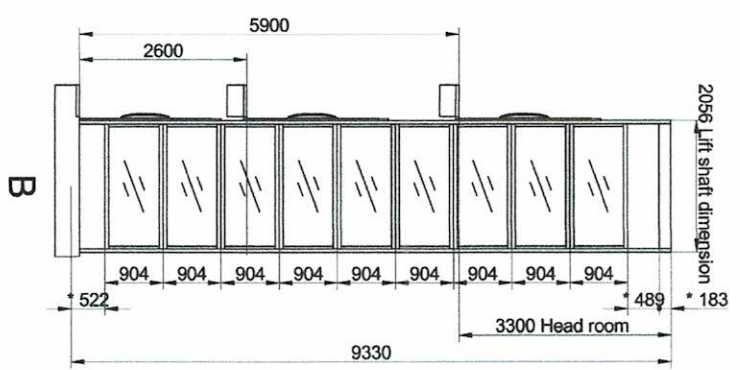
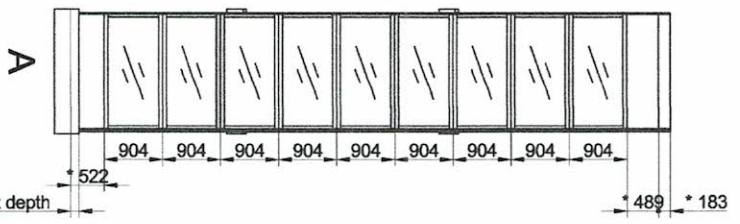
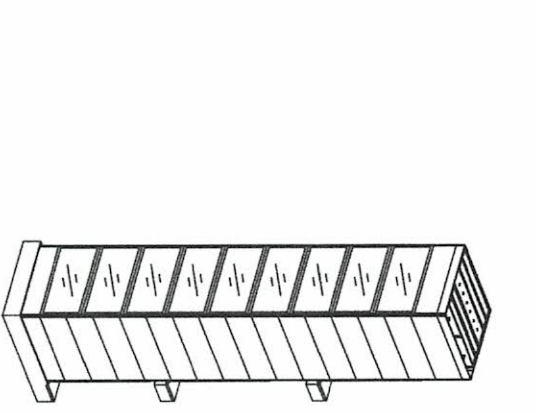
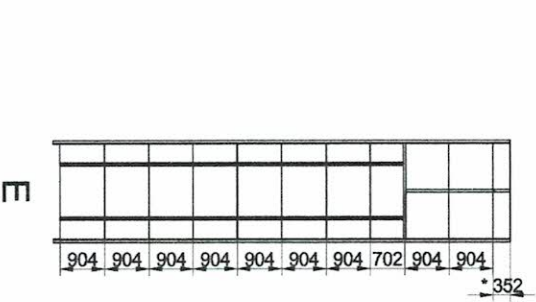
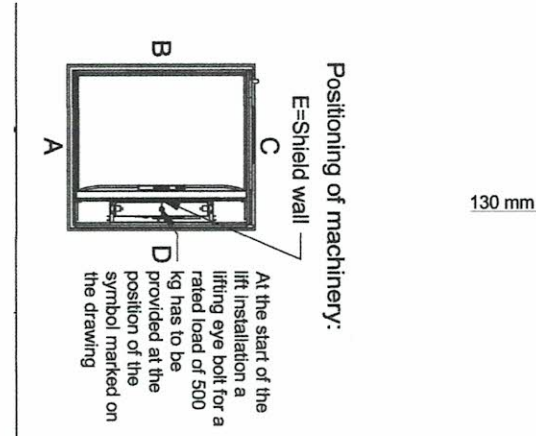
RECOMMENDING APPROVAL :

 A. R. MARCON
 SENIOR ENGINEER
 DE-040

APPROVED BY :

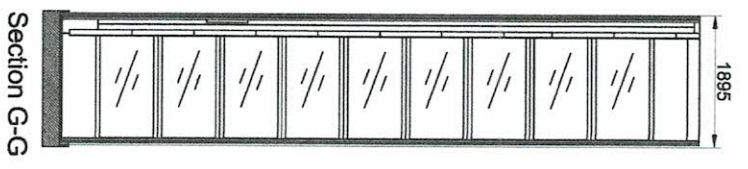
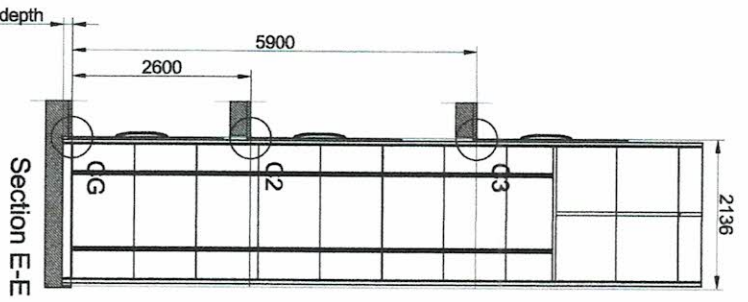
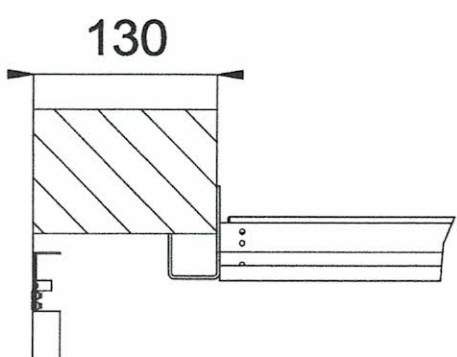
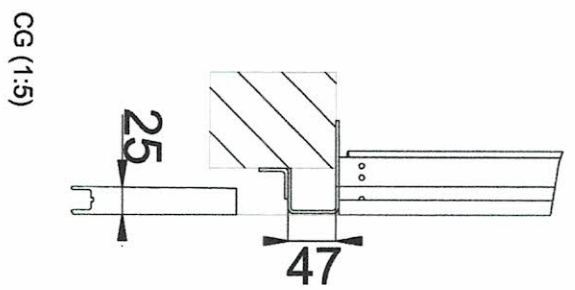
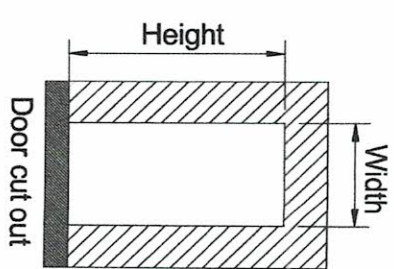
PROJECT TITLE :
PROPOSED LIFTELEVATOR SYSTEM INSTALLATION

OWNER :
DEPARTMENT OF EDUCATION
DepEd

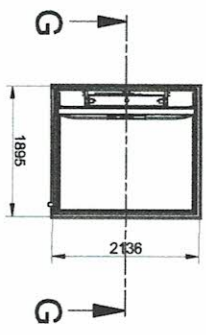
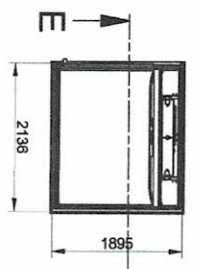
SHEET NO.
S-1
7



Door front cutout sizes			
Landing	Width	Height	
C G	1855	2250	
C 2	1855	2250	
C 3	1855	2250	



130 mm pit depth + 10 mm, - 0 mm. Bottom surface must be flat



Warning: Power supply is connected at landing.
 For wiring and power supply, refer to the unit's wiring diagrams.
 Calling shaft lighting, is independent from the power cable and pulled back into the trench's upper part. Shaft lighting > 50 lux.
 NOTE: An effective emergency telephone is required for approved inspection.
 The purchaser is responsible for an active phone line being present prior to the lift installation.
 The incoming telephone line is connected to Clow (TEL). Refer to wiring diagram.
 The emergency signal device is powered by the lift's own battery in the event of a power failure.
 The lift must be equipped with a two-way communication, either via the standard telephone or via the lift telephone, which automatically calls the alarm control center or the like.
 NOTE: A lift featuring a frequency converter cannot be directly connected to a RCD.

DRAWN BY :
 JUNESON P. CULLADO
 SR. DRAFTER
 DP-DepEd

CHECKED BY :
 WILFREDO B. MALACON
 SENIOR DRAFTER
 DP-DepEd

RECOMMENDING APPROVAL :
 LUIS G. PURISMA, JR.
 SR. CHIEF ENGINEER
 DepEd

RECOMMENDING APPROVAL :
 ANNILIE R. ROSAN
 CHIEF
 OFFICE OF THE CHIEF, DP-DepEd

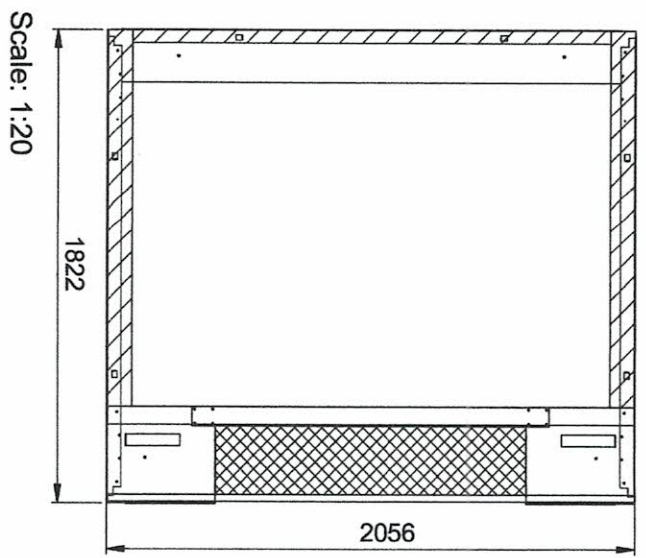
APPROVED BY :

PROJECT TITLE :
PROPOSED LIFT/ELEVATOR SYSTEM INSTALLATION

PROJECT CODE :
 OWNER :
DEPARTMENT OF EDUCATION
DepEd
 SHEET CONTAINS :
S-2

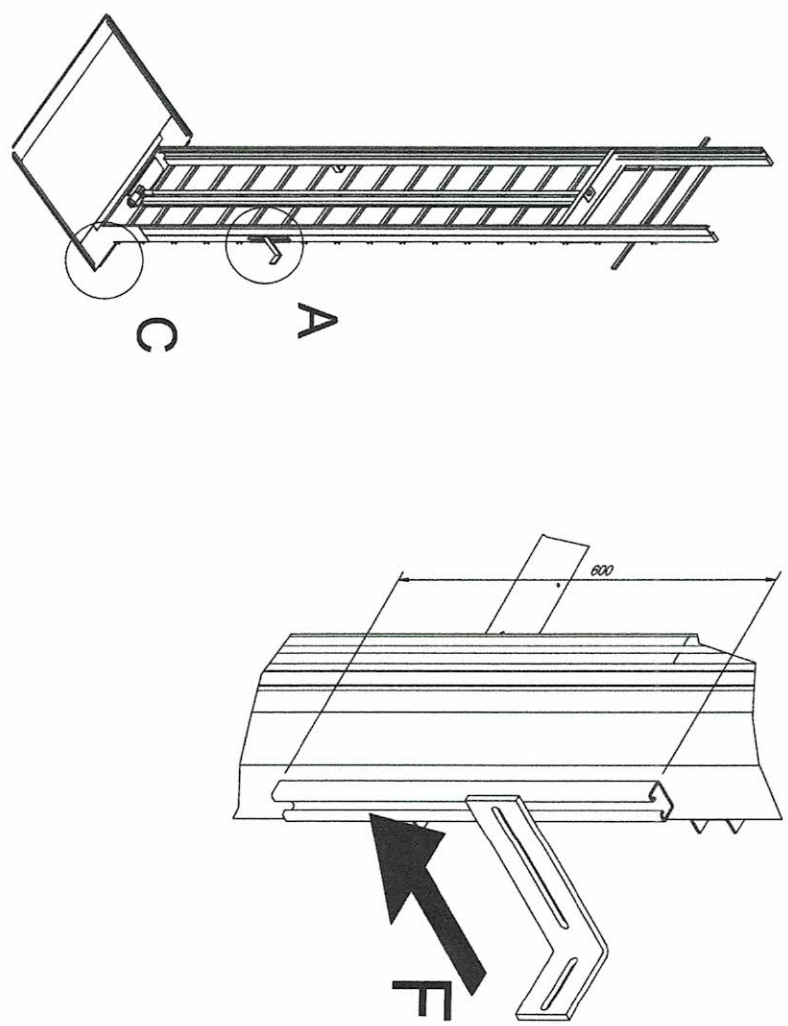
Loads sustained by shaft and platform
and fixing points bottom frame

 L section force: 10.92 kN
 L section load: 35.8 kN/m²
 Mast force: 18.99 kN
 Mast load: 60.87 kN/m²

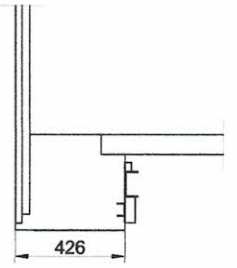






Recommended positioning of fixing points.
Loads per fixing point, F = 4 kN

A (1 : 5)



C (1:20)

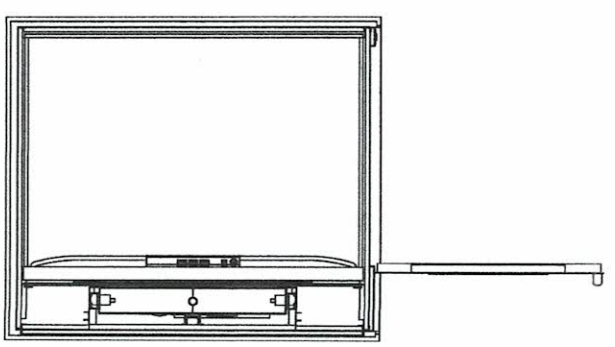
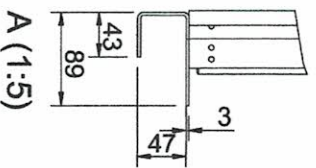
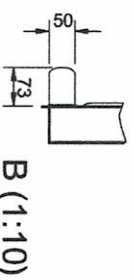
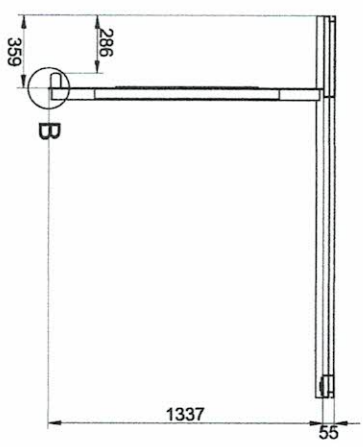
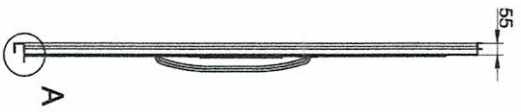
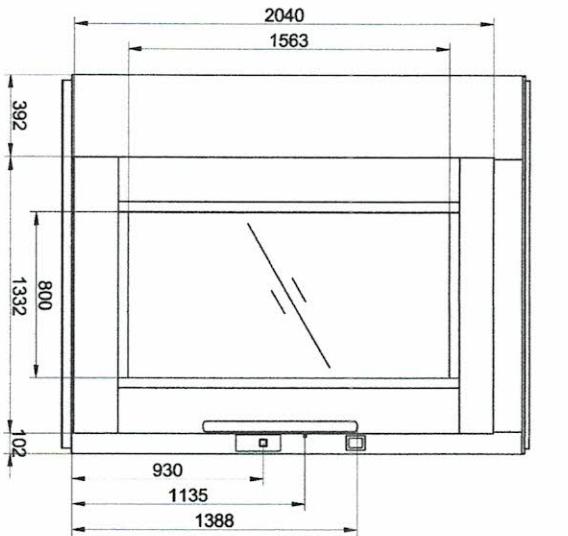
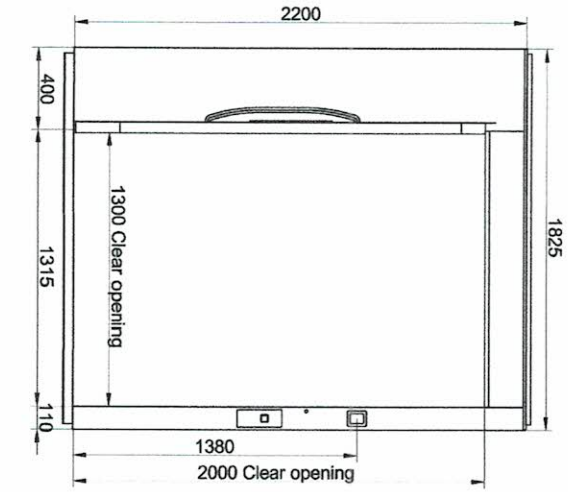


DRAWN BY :  JUNEDON R. OULLAO GS ENGINEER DP-4423	CHECKED BY :  WILFREDO D. ALARCON SENIOR ENGINEER DP-4423	RECOMMENDING APPROVAL :  LIZA C. PUNSAWA, JR. S.E.T. CHIEF, DP-205 DP-4423	RECOMMENDING APPROVAL :  ANNABELLE F. PAGAN CHIEF OFFICE OF THE CHIEF, DP-495	APPROVED BY : 	PROJECT TITLE : PROPOSED LIFT/ELEVATOR SYSTEM INSTALLATION LOCATION :	PROJECT CODE :	OWNER : DEPARTMENT OF EDUCATION DepEd	SHEET NO. : S-3 7
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Landing G and door front information

Landing 2 and door front information

Landing 3 and door front information



Scale: 1:30

Landing	Door type
G	A40
2	A40
3	A40

DESIGNED BY :
 JAMESON P. CULLIDO
 SENIOR ARCHITECT
 DP-4420

CHECKED BY :
 WILFREDO D. ALARCON
 SENIOR ARCHITECT
 DP-4420

RECOMMENDING APPROVAL :
 LUIS G. PURISMA, JR.
 ARCH. CHIEF, DP-408
 DepEd

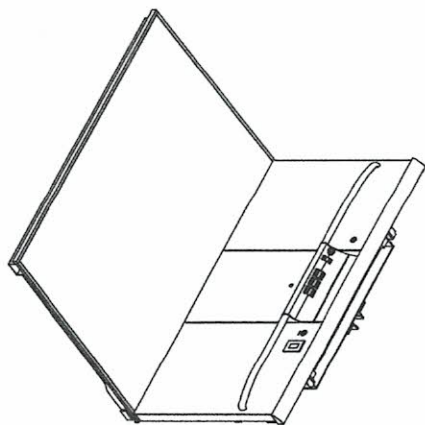
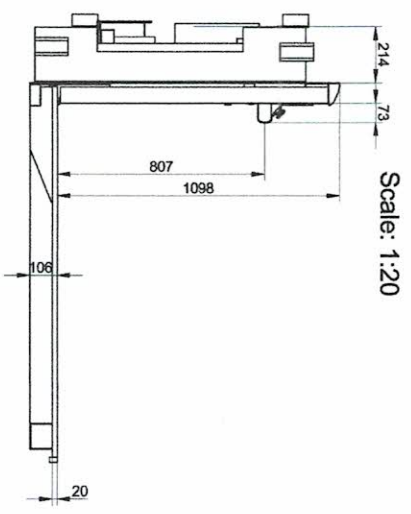
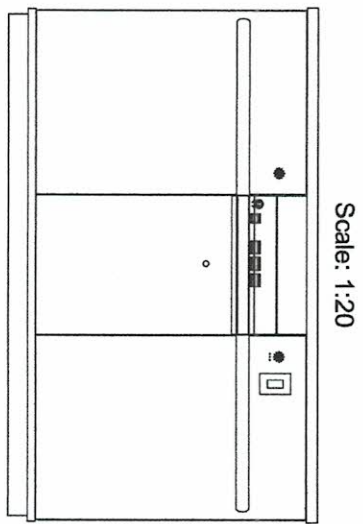
RECOMMENDING APPROVAL :
 ANNABELLE R. BACAN
 ARCH. CHIEF, DP-408
 OFFICE OF THE CHIEF, DP-408

APPROVED BY :

PROJECT TITLE :
 PROPOSED LIFT/ELEVATOR SYSTEM INSTALLATION
 LOCATION :

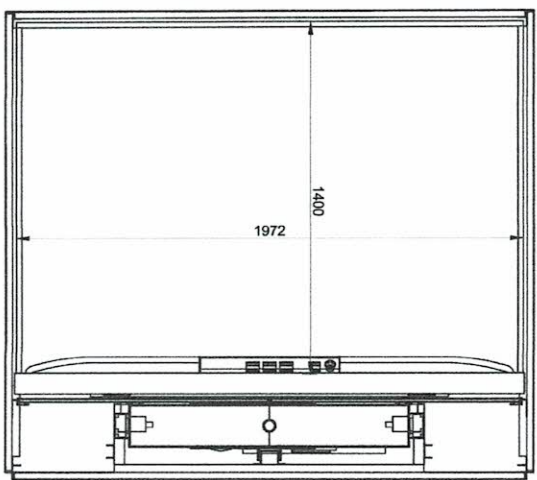
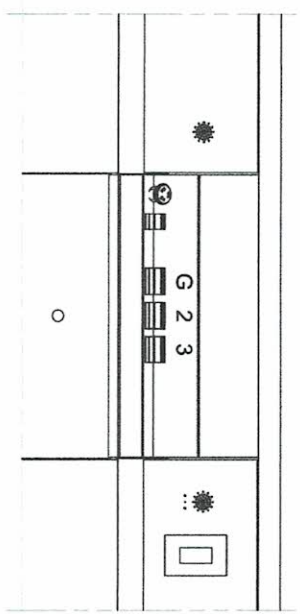
PROJECT CODE :
 OWNER :
 DEPARTMENT OF EDUCATION
 DepEd
 SHEET CONTAINS :

Platform layout



Platform dimensions
Scale: 1:20

Button layout
Scale: 1:10



OWNED BY :
 JUANSON P. CULIADO
 SR. ENGINEER
 DT-4423

CHECKED BY :
 WILFREDO D. MALACON
 SENIOR ENGINEER
 DT-4423

RECOMMENDING APPROVAL :
 LUIS S. PURISMA, JR.
 MGR. CHIEF, DT-4423
 DT-4423

RECOMMENDING APPROVAL :
 ANNALIE R. KILAN
 CHIEF
 OFFICE OF THE CHIEF, DT-4423

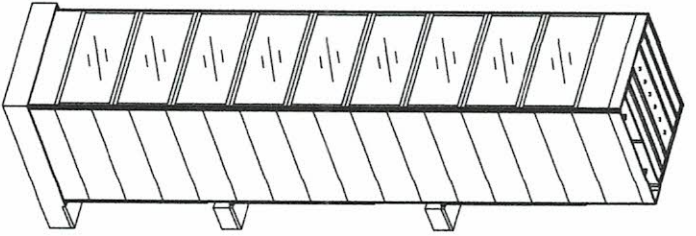
APPROVED BY :

PROJECT TITLE :
 PROPOSED LIFT/ELEVATOR SYSTEM INSTALLATION
 LOCATION :

PROJECT CODE :

OWNER :
 DEPARTMENT OF EDUCATION
 DepEd

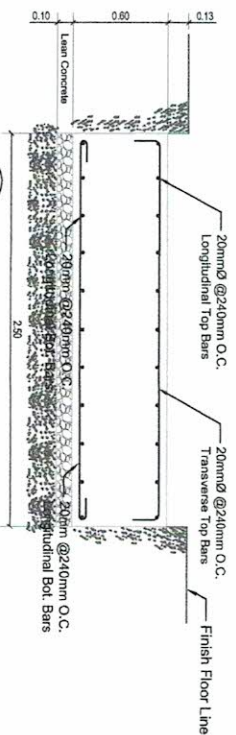
SHEET NO. :
 S-5
 7



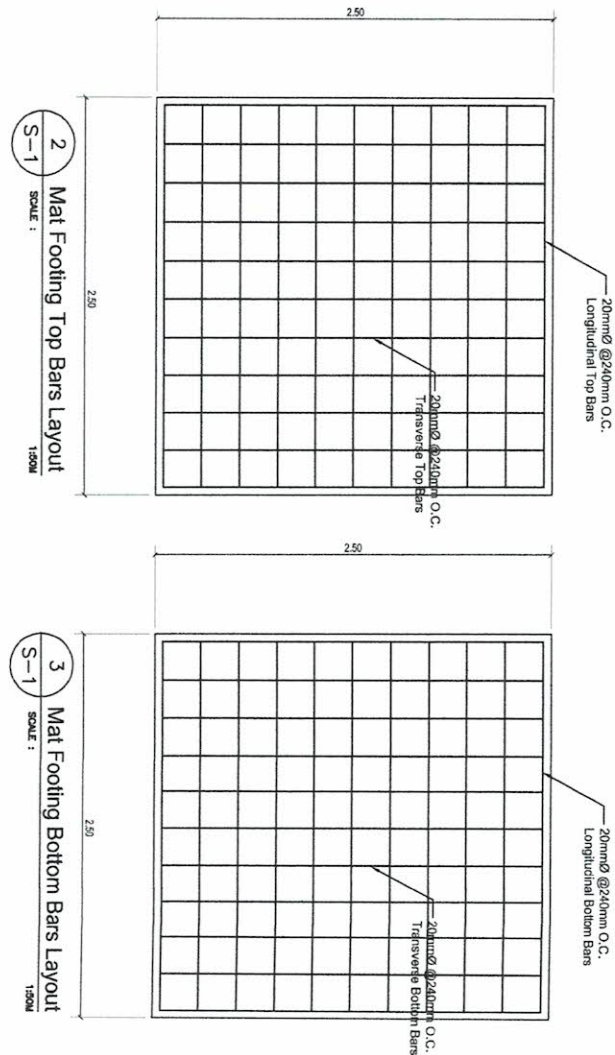
Elevator Isometric View

Elevator Specifications:

- Model Number: A8000 Outdoor
- Platform size: 1405x1972mm
- Footprint size: 1825x2056mm
- Cut out size: 1895x2135mm
- Capacity: 1000kg / (10 - 12 pax)
- Number of Stops: 3 stops (3 floors)
- Lift Color: Traffic white RAL 9016 (can change color) RAL options
- Flooring: Black Altro (can change color) Standard flooring
- Steel Sides: Yes (D=motor side) (required)
- Glass Side: Yes (A B C)
- Final lift specs: (can do glass or steel)
- Drive System: Screw-driven
- Power Supply: 3-phase (3x230V) (required)
- Travel height: 12 meters only (maximum)
- Door: Manual/Swing door
- Ventilation
- Intercom (1 set)



1 Mat Footing Section Detail
SCALE: 1/50MM



2 Mat Footing Top Bars Layout
SCALE: 1/50MM

3 Mat Footing Bottom Bars Layout
SCALE: 1/50MM

1.0 DESIGN CRITERIA

1.1 LOADINGS

A. DEAD LOAD	23.56 kN/m
CONCRETE	76.59 kN/m
STEEL	
B. LIVE LOAD	
ROOF	1.00 kPa
CLASSROOMS	1.50 kPa
TOILETS	1.50 kPa
CORRIDORS ABOVE STAIRS	3.80 kPa
CORRIDORS ON GROUND	4.80 kPa
C. WIND LOAD	
BUILDING CATEGORY = 1 (ESSENTIAL FACILITIES)	
EXPOSURE = D (FLAT UNOBSTRUCTED AREAS AND WATER SURFACES)	
MAXIMUM WIND VELOCITY V = 360 km/h	
WHERE: $q_n = [GCW \cdot (GCW)]$ (DESIGN WIND PRESSURE)	
$P = q_n \cdot [GCW \cdot (GCW)]$	
WHERE: $q_n =$ VELOCITY PRESSURE (kPa)	
GCW = EXTERNAL PRESSURE COEFFICIENT	
GCW = INTERNAL PRESSURE COEFFICIENT	

D. SEISMIC LOAD

$V = \frac{C_d \cdot W}{R}$ (DESIGN BASE SHEAR)	
WHERE: $W =$ TOTAL DEAD LOAD	
$T =$ NATURAL PERIOD = $C_d \cdot (W)$	
WHERE: C = NUMERICAL COEFFICIENT	
I = IMPORTANCE FACTOR = 1.50	
R = NUMERICAL FACTOR = 8.50	
SEISMIC COEFFICIENT $C_d = 0.64$	
NEAR SOURCE FACTOR $(S_k) N_s = 1.6$	
$Z =$ SEISMIC ZONE = 0.40 (ZONE 4)	
$S =$ SOIL TYPE = D	
W (ZONE 4)	

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
MERRALCO AVENUE PASIG CITY

DESIGNED BY: JAMESON P. CULLADO
DR-2440

CHECKED BY: WILFREDO B. MARCON
SR-2440

RECOMMENDING APPROVAL: LUIS S. PURSIVA, JR.
DR-2440

RECOMMENDING APPROVAL: ANNELLE R. KALLAN
DR-2440

APPROVED BY: _____

PROJECT TITLE: PROPOSED LIFTELEVATOR SYSTEM INSTALLATION

PROJECT CODE: _____

OWNER: DEPARTMENT OF EDUCATION
DepEd

SHEET OWNERS: _____

SHEET NO: S-6

LOCATION: _____

SCALE: _____

SHEET NO: 7

GENERAL CONSTRUCTION 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 (NSCP 2015), VOL. 1, SEVENTH EDITION.

- 2.0 DESIGN STRESSERS
- 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 BEAMS (WITH AND WITHOUT INTERMEDIATE BRACE PERFORMED SH40): $f_y = 275 \text{ MPa}$ (40,000 psi)
 - b. FOR BEAMS (WITH AND WITHOUT INTERMEDIATE BRACE PERFORMED SH40): $f_y = 230 \text{ MPa}$ (33,000 psi)
 - c. STRUCTURAL STEEL (ASTM/A36): $f_y = 248 \text{ MPa}$ (36,000 psi)
 - d. FOR TRUSSES, BRACINGS & STRUTS: $f_y = 248 \text{ MPa}$ (36,000 psi)
 - e. PERLINS: $f_y = 248 \text{ MPa}$ (36,000 psi)
 - f. MILD STEEL (ASTM/A36): $f_y = 345 \text{ MPa}$ (50,000 psi)
 - g. NON-TENSION BEARING C-18 WALLS: $f_y = 60 \text{ MPa}$ (8,700 psi)
 - h. WELDS: $f_w = 96.80 \text{ MPa}$ (14,000 psi)
 - i. STRUCTURAL BOLTS (ASTM/A307): $f_u = 69.00 \text{ MPa}$ (10,000 psi)

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	3000 PSI (20.7 MPa)	20 mm	100 mm
COLUMNS	3000 PSI (20.7 MPa)	20 mm	100 mm
SLAB ON FILL	2500 PSI (17.2 MPa)	20 mm	100 mm
2. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

SLAB ON GRADE	20 mm
WALLS ABOVE THE GRADE	40 mm
WALLS BELOW THE GRADE	20 mm
WHERE CONCRETE IS EXPOSED TO EARTH BUT FOUNDED AGAINST FORMS	40 mm
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	50 mm
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	75 mm
3. CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION, RE-BUILDING 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 ARE EXTREMELY DIFFICULT TO ACCOMPLISH.
5. ALL ANCHOR BOLTS, DOMELS, 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.

APPROVED METHODS	24 HOURS
SUSTAINED SLAB EXCEPT WHEN	8 DAYS
ADDITIONAL LOADS ARE IMPOSED	14 DAYS
WALLS	21 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 (6) 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 CAPACITY OF 100 TON/100 SQ. M. CONTRACTOR SHALL REPORT TO THE ENGINEER IN WRITING THE ACTUAL SOIL BEARING CAPACITY OF THE SOIL ON WHICH THE FOOTING IS TO BE PLACED.
2. FOOTING SHALL REST AT LEAST 150 mm BELOW NATURAL GROUND LEVEL UNLESS OTHERWISE INDICATED IN PLANS. NO FOOTING SHALL REST ON FILL.
3. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 50 mm CLEAR FROM CONCRETE TO THE SOIL SURFACE. IN CASES WHERE THE SOIL CONDITIONS SUBJECT TO THE FOUNDATION ARE UNUSUAL, THE USE OF ANCHOR BOLTS OR 600PA (2000 PSI) CANNOT BE ATTAINED AT PRACTICAL DEPTH, THE USE OF ANCHOR BOLTS, BORED PILES, OR DRIVEN PILES MAY BE ADOPTED IN LIEU OF STEEL OR ISOLATED FOOTING.

NOTES ON REINFORCEMENT

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

REINFORCING BARS	Yield Strength
A. FOOTINGS, FOOTING BEAMS AND GIRDERS	275 MPa (40,000 psi)
B. COLUMNS AND SHEAR WALLS	230 MPa (33,000 psi)
C. BEAMS AND GIRDERS	275 MPa (40,000 psi)
D. PERLINS	275 MPa (40,000 psi)
2. ALL REINFORCING BARS SHALL BE PLACED AT THE CORNER OF THE MEMBER. ALL REINFORCING BARS SHALL BE PLACED AT THE CORNER OF THE MEMBER. ALL REINFORCING BARS SHALL BE PLACED AT THE CORNER OF THE MEMBER.
3. TABLE OF LAP SPICES & ANCHORAGE LENGTH UNLESS OTHERWISE SHOWN IN DRAWINGS. LAP SPICES SHALL BE STAGGERED WHENEVER POSSIBLE.

DRAWN BY :  JAMESON P. CULLADO SR. ENGINEER DP-4480	CHECKED BY :  WILFREDO B. LUARCON SENIOR DESIGNER DP-4480	RECOMMENDING APPROVAL :  LUIS G. PURSUA, JR. SEC. CHIEF, DP-26 DP-4480	RECOMMENDING APPROVAL :  ANNALIE R. BACAN CHIEF DP-4480
APPROVED BY : _____		PROJECT TITLE : PROPOSED LIFT/ELEVATOR SYSTEM INSTALLATION	
PROJECT NO. : _____		PROJECT DATE : _____	
SHEET NO. : _____		DEPARTMENT : EDUCATION FACILITIES DIVISION	