



Republic of the Philippines
Department of Education
REGIONAL OFFICE NO. VIII (EASTERN VISAYAS)
 Government Center, Candahug, Palo, Leyte



BLANK DETAILED ESTIMATE

PROJECT : **Proposed Renovation of Asset Management Stock Room**

DIVISION :

LOCATION :

OWNER : DEPARTMENT OF EDUCATION

SUBJECT : Bill of Quantities

I.D. NO	DESCRIPTION	UNIT	QTY	TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	
	General Requirement	lot	1.00			
	Mobilization/Demobilization	lot	1.00			
	Safety Gears	lot	1.00			
	Demolition works of affected wall, clearing & grubbing, cut & fill of site	lot	1.00			
	Sub-total					
	Concreting Works	cu.m.	20.60			
	<i>Footing</i>	<i>cu.m.</i>	<i>3.20</i>			
	Portland Cement	bag	27.00			
	Washed Sand	cu.m.	2.10			
	Crushed Gravel 3/4"	cu.m.	3.80			
	Gravel Bed	cu.m.	1.20			
	<i>Tie Beam</i>	<i>cu.m.</i>	<i>2.70</i>			
	Portland Cement	bag	27.00			
	Washed Sand	cu.m.	1.90			
	Crushed Gravel 3/4"	cu.m.	3.50			
	<i>Column</i>	<i>cu.m.</i>	<i>4.50</i>			
	Portland Cement	bag	35.00			
	Washed Sand	cu.m.	2.80			
	Crushed Gravel 3/4"	cu.m.	5.20			
	<i>Roof Beam</i>	<i>cu.m.</i>	<i>2.70</i>			
	Portland Cement	bag	27.00			
	Washed Sand	cu.m.	1.80			
	Crushed Gravel 3/4"	cu.m.	3.50			
	<i>Slab on Grade</i>	<i>cu.m.</i>	<i>7.50</i>			
	Portland Cement	bag	82.00			
	Washed Sand	cu.m.	4.00			
	Crushed Gravel 3/4"	cu.m.	8.00			
	Gravel Bed	cu.m.	8.00			
	Backfill Materials	cu.m.	100.00			
	Sub-total					
	Rebar Works	lot	1.00			
	<i>Column Footing</i>					
	16mm diameter RSB	pc	16.00			
	#16 tie wire	kg	3.00			

	<i>Tie Beam</i>							
	16mm diameter RSB	pc	24.00					
	10mm diameter RSB	pc	38.00					
	#16 tie wire	kg	12.00					
	<i>Column</i>							
	16mm diameter RSB	pc	55.00					
	10mm diameter RSB	pc	14.00					
	#16 tie wire	kg	15.00					
	<i>Slab on Grade</i>							
	10mm diameter RSB	pc	75.00					
	#16 tie wire	kg	10.00					
	<i>Roof Beam</i>							
	16mm diameter RSB	pc	28.00					
	10mm diameter RSB	pc	40.00					
	#16 tie wire	kg	15.00					
	Sub-total							
	Masonry Works	sqm	60.00					
	<i>Various Wall</i>	<i>sqm</i>	<i>60.00</i>					
	4" CHB Wall	pcs	875.00					
	Portland Cement	bag	38.00					
	Washed Sand	cu.m.	3.70					
	10mm diameter RSB	pcs	42.00					
	<i>Plastering</i>							
	Portland Cement	bag	45.00					
	Washed Sand	cu.m.	3.50					
	Sub-total							
	Doors & Windows	lot	1.00					
	<i>Door</i>							
	Hollow core flush type door 1500X2100mm on 50X100mm Door Jamb with marine plywood (two face) complete with hardware and accessories; lever type door knob and door closer	set	1.00					
	Fire Rated Steel Door on Grey paint finish with complete accessories (Metal Door Jamb, 4 set Stainless Steel Door Hinge); aluminum panic lever with trim and heavy duty aluminum door closer	set	1.00					
	Galvanized rool-up door, manually operated (2.048X2.245m)	set	1.00					
	LED Exit Sign, single faced green board	pc	1.00					
	<i>Window</i>							
	Steel casement window in 1/4" thick bronze tinted glass (2.4X1.2m)	set	2.00					
	Window Blackout Combi Blinds (2.4 X 1.2m)	set	2.00					
	Steel casement window in 1/4" thick bronze tinted glass (0.8X1.2m)	set	1.00					
	Window Blackout Combi Blinds (0.8 X 1.2m)	set	1.00					
	Steel casement window in 1/4" thick bronze tinted glass (1.6X1.2m)	set	1.00					
	Window Blackout Combi Blinds (1.6 X 1.2m)	set	1.00					
	Awning type steel casement window in 1/4" thick bronze tinted glass (1.6X.6m)	set	2.00					
	Window Blackout Combi Blinds (1.6 X 0.6m)	set	2.00					
	Sub-total							
	Steel Works	lot	1.00					
	LC 150X65X20X2.5mm purlins	pc	35.00					

	63mmX63mmX6mm thk angular bar	pc	45.00					
	25mmX25mmX6mm thk angular bar	pc	5.00					
	Plain Round Bar 10mm diameter X6m	pc	40.00					
	Primer, Zinc Chromate	gal	8.00					
	4" cutting disk	pc	300.00					
	4" grinding disk	pc	100.00					
	welding rod	kg	15.00					
	Sub-total							
	Roofing Works	sqm	198.65					
	G.I. Long-Span Roofing, Single-Rib, Pre-painted, 0.4X1220X12ft	sheet	38.00					
	G.I. Long-Span Roofing, Single-Rib, Pre-painted, 0.4X1220X8ft	sheet	8.00					
	Cement Board, 12mmX12" Facia Board	set	16.00					
	Roof Sealant	L	8.00					
	tex screw	box	9.00					
	Sub-total							
	Carpentry Works	sqm	68.00					
	<i>Ceiling</i>	<i>sqm</i>	<i>68.00</i>					
	Double furring 17mmX49mmX5m (0.60mm thick)	pc	30.00					
	Carrying channel 11mmX37mmX5m (1.0mm thick)	pc	24.00					
	Wall angle (0.25mmX0.25mmX3m)	pc	18.00					
	W-clip	pc	175.00					
	3.5mm 4' X 8' Cement Board	sheet	27.00					
	1/8 x 3/4 blind rivet	box	20.00					
	2.5" metal screw	box	8.00					
	Sub-total							
	Painting Works	sqm	195.00					
	<i>Exterior Wall</i>	<i>sqm</i>	<i>70.00</i>					
	Skimcoat	bag	6.00					
	Masonry Putty, Acrytex	gal	2.00					
	Paint Acrytex Primer	pail	1.00					
	Paint Acrtex, Topcoat	pail	3.00					
	Acri Color	qrt	4.00					
	9" painting rollers	pc	12.00					
	Sand Paper, No. 36	pc	35.00					
	Sand Paper, No. 100	pc	52.00					
	Paint tray	pc	10.00					
	<i>Interior Wall</i>	<i>sqm</i>	<i>70.00</i>					
	Skimcoat	bag	3.00					
	Masonry Putty, Acrytex	gal	4.00					
	Paint Acrytex Primer	pail	1.00					
	Paint Acrtex, Topcoat	pail	3.00					
	Acri Color	qrt	6.00					
	9" painting rollers	pc	6.00					
	Sand Paper, No. 36	pc	20.00					
	Sand Paper, No. 100	pc	20.00					
	Paint tray	pc	5.00					
	<i>Ceiling</i>	<i>sqm</i>	<i>55.00</i>					
	Paint, Flatwall Enamel	pail	2.00					
	Plasolux Glazing Putty	gal	2.00					
	9" painting rollers	pc	6.00					

	Paint thinner	gal	1.00					
	Paint tray	pc	3.00					
	<i>Flooring</i>	<i>sqm</i>	<i>55.00</i>					
	Primer Epoxy Paint, White	gal	2.00					
	Epoxy Enamel Paint, Gray	gal	12.00					
	Epoxy Reducer	L	12.00					
	Sub-total							
	Electrical Works	lot	1.00					
	3.5 mm2 THHN Wire, Stranded	box	2.00					
	5.5 mm2 THHN Wire, Stranded	box	1.00					
	LED Light Downlight 18 Watts Recessed Type	set	13.00					
	LED Tube Light 2 x 20W Recessed Type with Luminare	set	4.00					
	Duplex C.O. with Plate	set	4.00					
	2-Gang Switch with Plate	pc	2.00					
	Electrical Tape (Big)	pc	6.00					
	Entrance Cap 32mm dia.	pc	1.00					
	Electrical Conduit uPVC, 20mmØ	pc	15.00					
	PVC Clamp Clip	box	2.00					
	Utility Box, 2" x 4" G.I.	pc	4.00					
	Junction Box, 4" x 4" G.I.	pc	25.00					
	20A, 2P Din Rail Circuit Breaker Ge Brand	pc	2.00					
	Sub-total							
	<i>NOTE: All materials to be used shall be subject for inspection and approval by the inspectorate personnel</i>							
I.	MATERIALS							
II.	LABOR							
III.	DIRECT COST (I+II)							
IV.	INDIRECT COST 10% OF (III- Gen Req't.)							
V.	TAX 5% of (III+IV)							
VI.	PROJECT COST (III + IV+V)							
VIII.	TOTAL PROJECT COST (VI)							

Prepared by:

Contractor/ Representative



BLANK PROGRAM OF WORKS

OFFICE: DepED Regional Office No. VIII			Date:			
			Budget Allocation:		PHP 1,491,946.32	
Region: VIII			Estimated Government Expenses:			
Division:			Approved Budget for Contract:		PHP 1,491,946.32	
Project Title:			Completion Period: 75 calendar days			
Proposed Renovation of Asset Management Stock Room			Minimum Required Manpower:			
			Project Engineer	Welder		
			General Foreman	Skilled Worker		
			Leadman	Helper		
Plan: DepED Plans			Minimum Required Equipment:			
Location: DepED Regional Office No. VIII Gov't. Center, Candahug, Palo, Leyte			Hand Tools		Welding Machine	
			Grinder		Impact Drill	
Item I.D.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
	General Requirement		lot	1.00		
	Concreting Works		cu.m.	20.60		
	Rebar Works		lot	1.00		
	Masonry Works		sqm	60.00		
	Doors & Windows		lot	1.00		
	Steel Works		lot	1.00		
	Roofing Works		sqm	198.65		
	Carpentry Works		sqm	68.00		
	Painting Works		sqm	195.00		
	Electrical Works		lot	1.00		
	SUB-TOTAL					
	I. DIRECT COST					
	II. INDIRECT COST 10%/22% of (I)					
	Overhead Expenses					
	Contingencies					
	Miscellaneous					
	Contractor's Profit					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	(III + IV + V)					

Prepared by:

Checked by:

Noted by:

BRENT CHRISTIAN S. ANDRADA
 Draftsman II

RYAN JAY L. BAGON
 Head, EFS, Engineer III

ALEJANDRA B. LAGUMBAY PhD
 Chief

Recommending Approval:

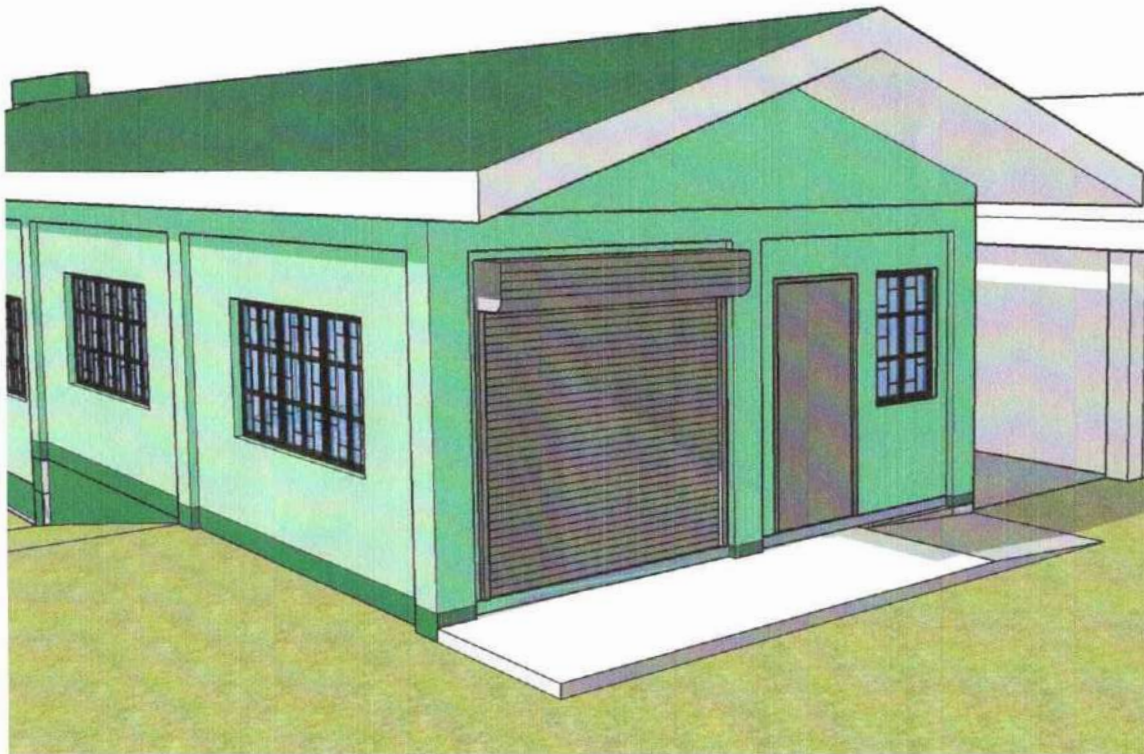
Approved by:

RONELO AL K. FIRMO, PhD, CESO IV
 Assistant Regional Director


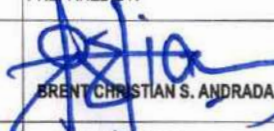
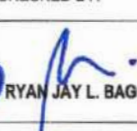
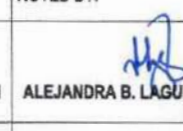
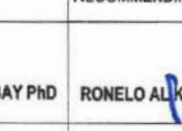
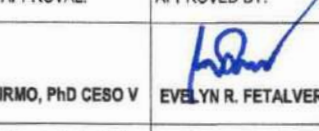
EVELYN R. FETALVERO, CESO III
 Regional Director

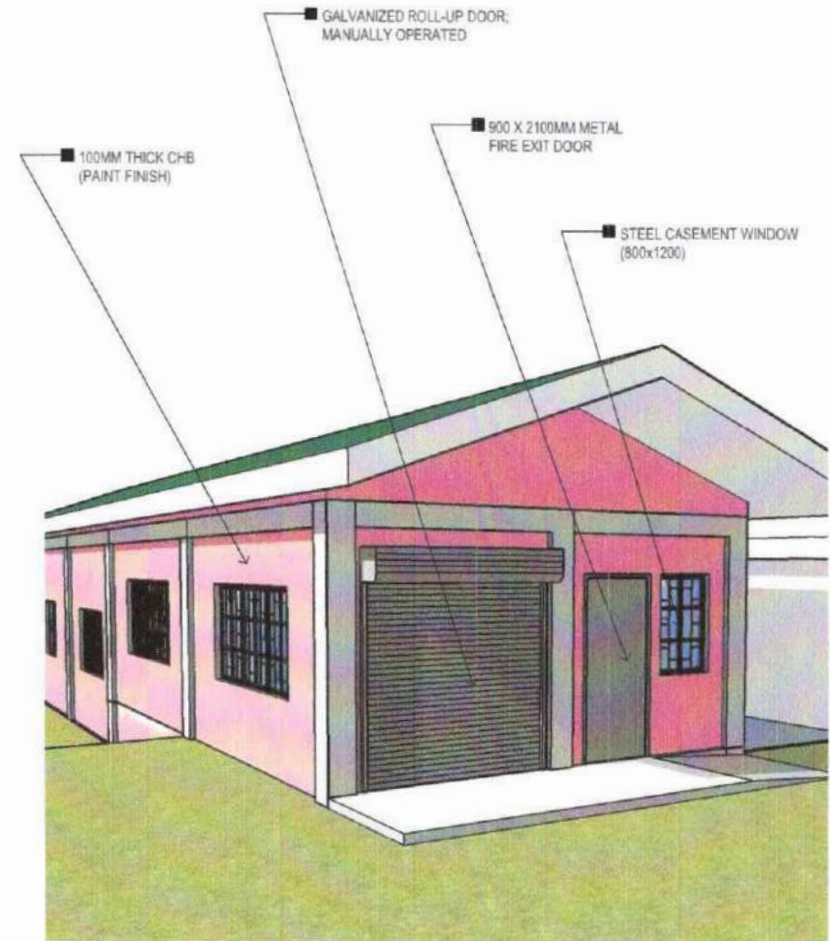
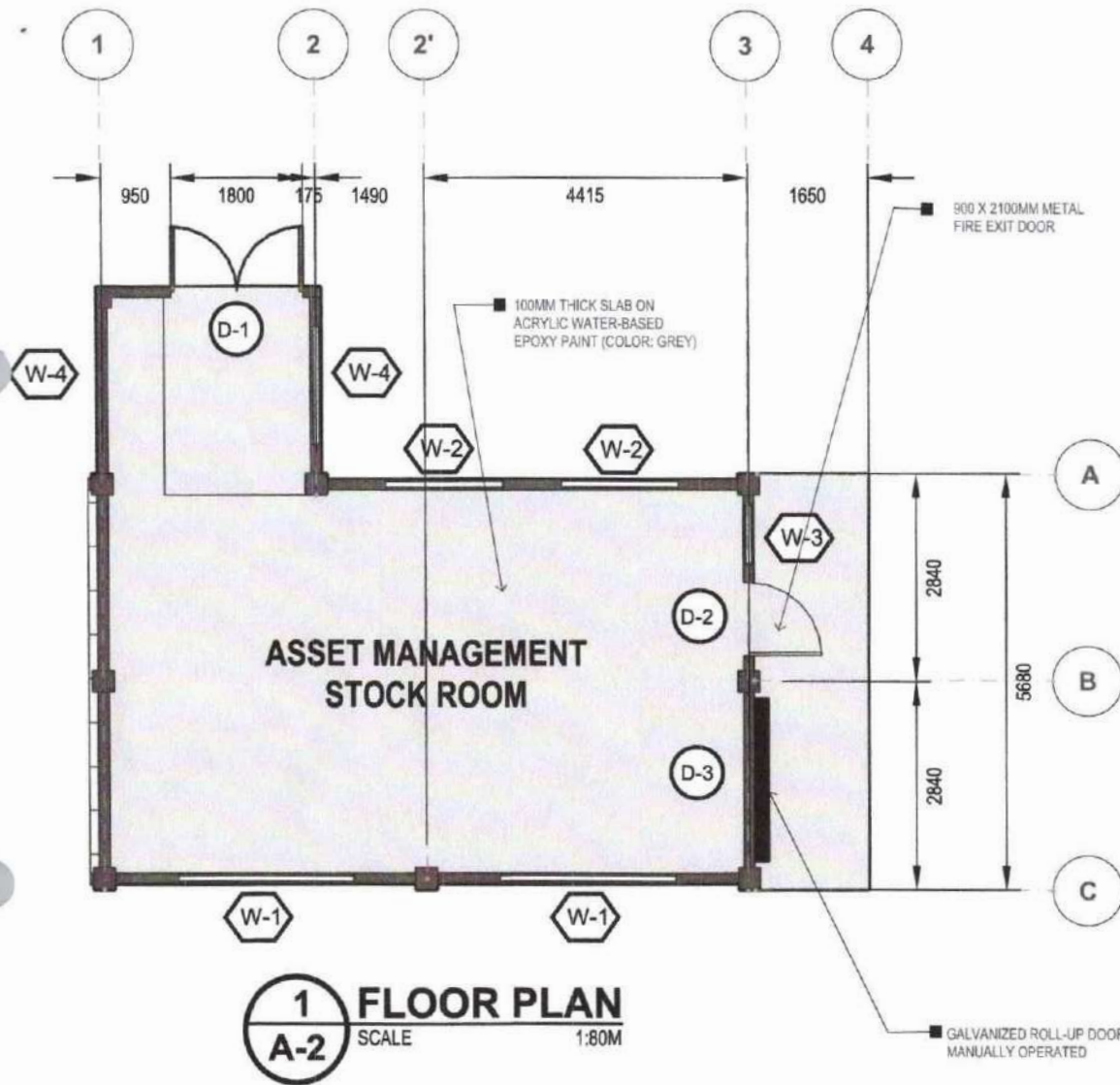
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A-7	REFLECTED CEILING PLAN
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S-3	ROOF FRAMING PLAN BEAM DETAIL
S-4	DETAIL OF T-1 DETAIL OF T-2
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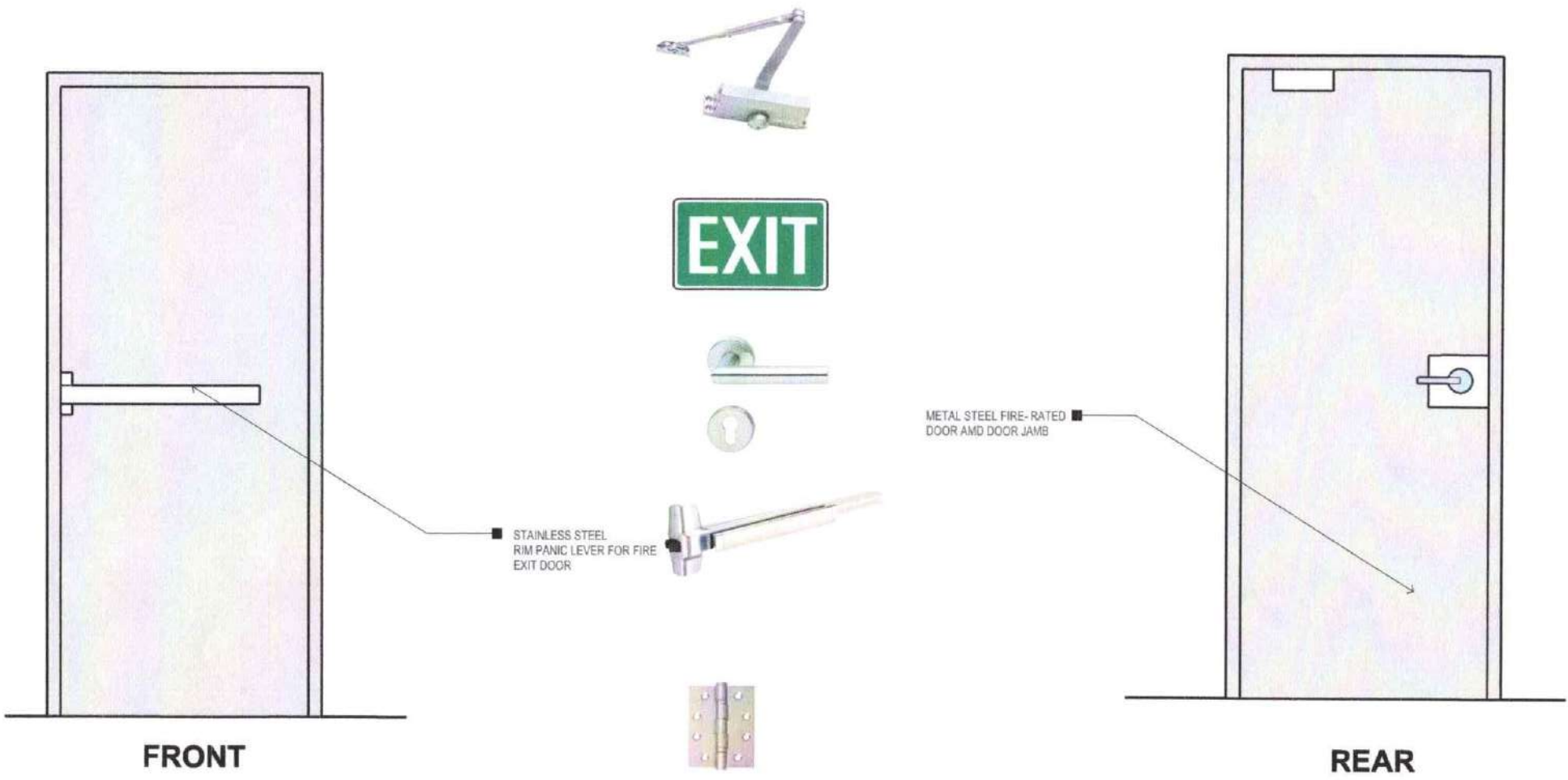


1
A-1
PERSPECTIVE
 SCALE NTS


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	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION <small>Regional Office No. VIII</small>	Proposed Renovation of Asset Management Stock Room	 BRENT CHRISTIAN S. ANDRADA	 RYAN JAY L. BAGON	 ALEJANDRA B. LAGUMBAY PhD	 RONELO ALK. FIRMO, PhD CESO V	 EVELYN R. FETALVERO, CESO IV	1
	<small>Address: Gov't Center, Candahug, Palo Leyte</small>	<small>Location: Gov't. Center, Candahug, Palo Leyte</small>	<small>Draftsman, EFS-ESSD</small>	<small>Head, EFS-ESSD</small>	<small>Chief, ESSD</small>	<small>Assistant Regional Director, Region VIII</small>	<small>Regional Director, Region VIII</small>	NO. OF PAGE 13

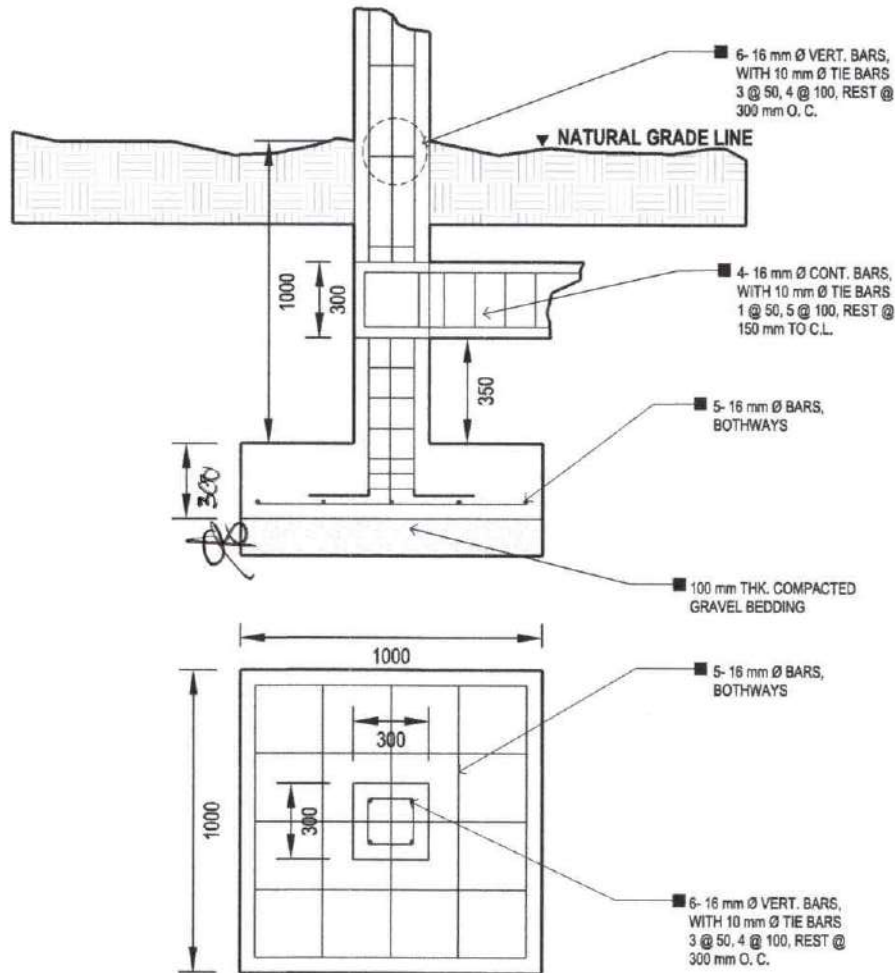


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	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION Regional Office No. VIII	Proposed Renovation of Asset Management Stock Room	<i>Brent Christian S. Andrada</i> BRENT CHRISTIAN S. ANDRADA	<i>Ryan Jay L. Bagon</i> RYAN JAY L. BAGON	<i>Alejandra B. Lagumbay</i> ALEJANDRA B. LAGUMBAY PhD	<i>Roneo Al K. Firmo</i> RONELO AL K. FIRMO, PhD CESO V	<i>Evelyn R. Fetalvero</i> EVELYN R. FETALVERO, CESO IV		2
	Address: Gov't Center, Candahug, Palo Leyte	Location: Gov't Center, Candahug, Palo Leyte	Draftsman II, EFS-ESSD	Head, EFS-ESSD	Chief, ESSD	Assistant Regional Director, Region VIII	Regional Director, Region VIII		NO. OF PAGE

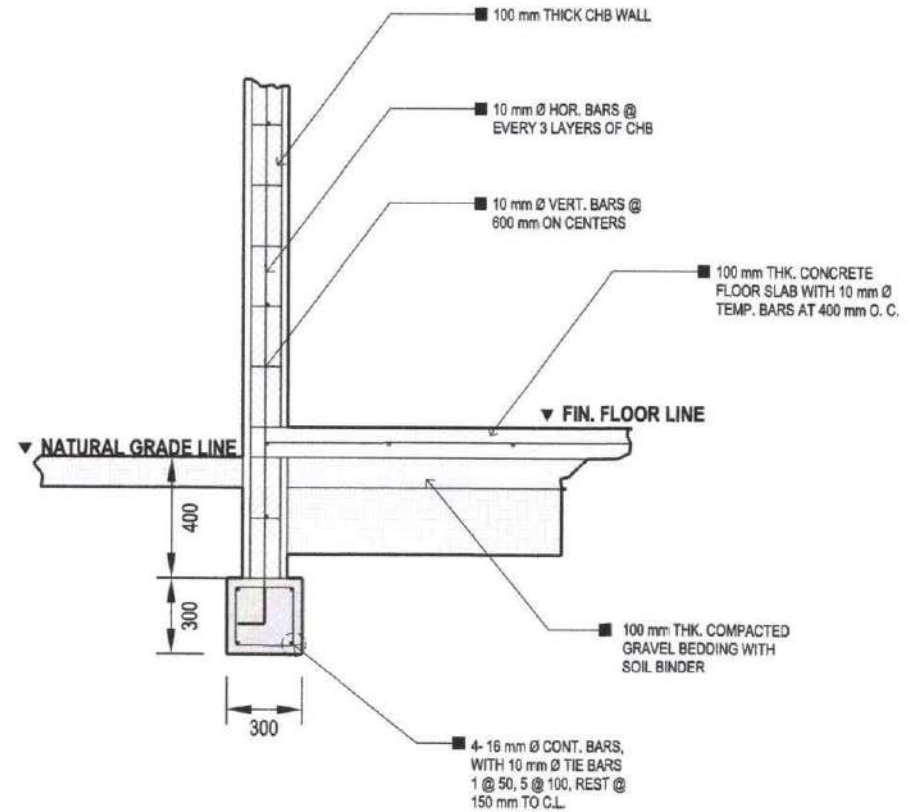


1 FIRE EXIT DOOR SPECIFICATION
A-6 SCALE 1:20M

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	Address: Gov't Center, Candahug, Palo Layte	Location: Gov't Center, Candahug, Palo Layte	Director II, SES-ESSD	Head, EFS-ESSD	Chief, ESSD	Assistant Regional Director, Region VIII	Regional Director, Region VIII	NO. OF PAGE 13



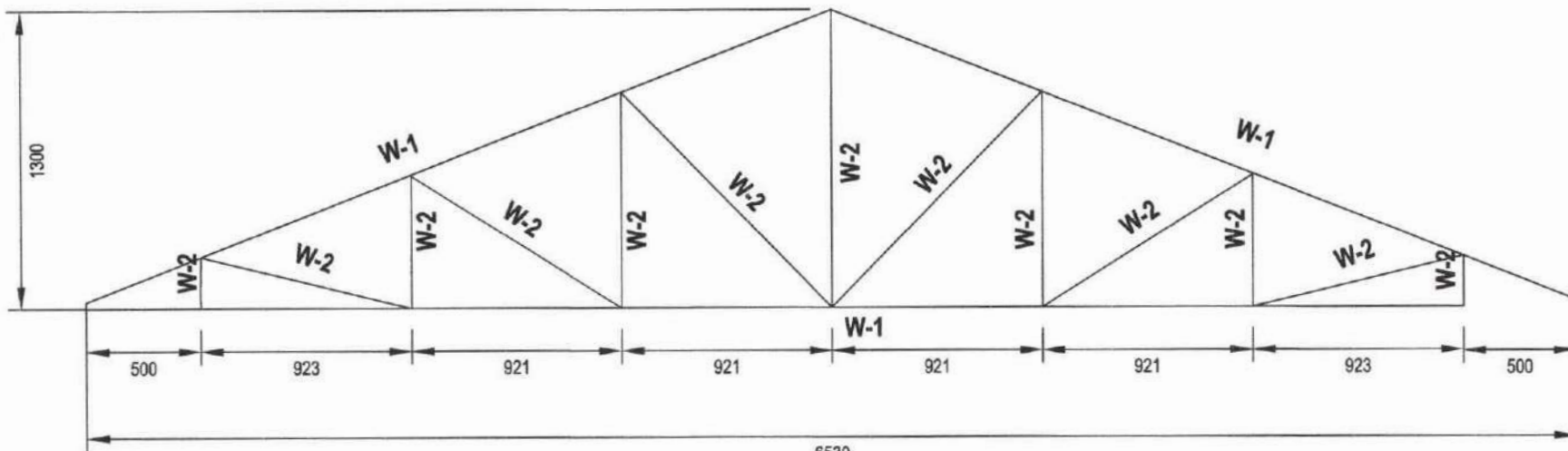
1 **DETAIL OF C-1 F-1**
S-2 SCALE NTS



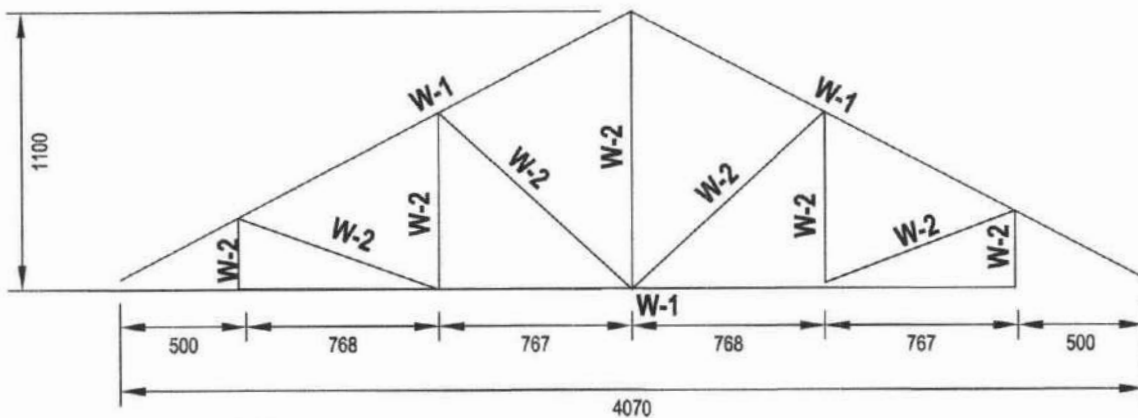
2 **DETAIL OF TB-1 AND CHB WALL**
S-2 SCALE NTS



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Address: Gov'l Center, Candahug, Palo Layte	Location: Gov'l Center, Candahug, Palo Layte	Directman II, EFS-ESSD	Head, EFS-ESSD	Chief, ESSD	Assistant Regional Director, Region VIII	Regional Director, Region VIII	NO. OF PAGE
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1
S-4
DETAIL OF T-1 (DOUBLE TRUSS)
SCALE 1:30M



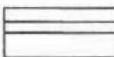



2
S-4
DETAIL OF T-2 (DOUBLE TRUSS)
SCALE 1:30M

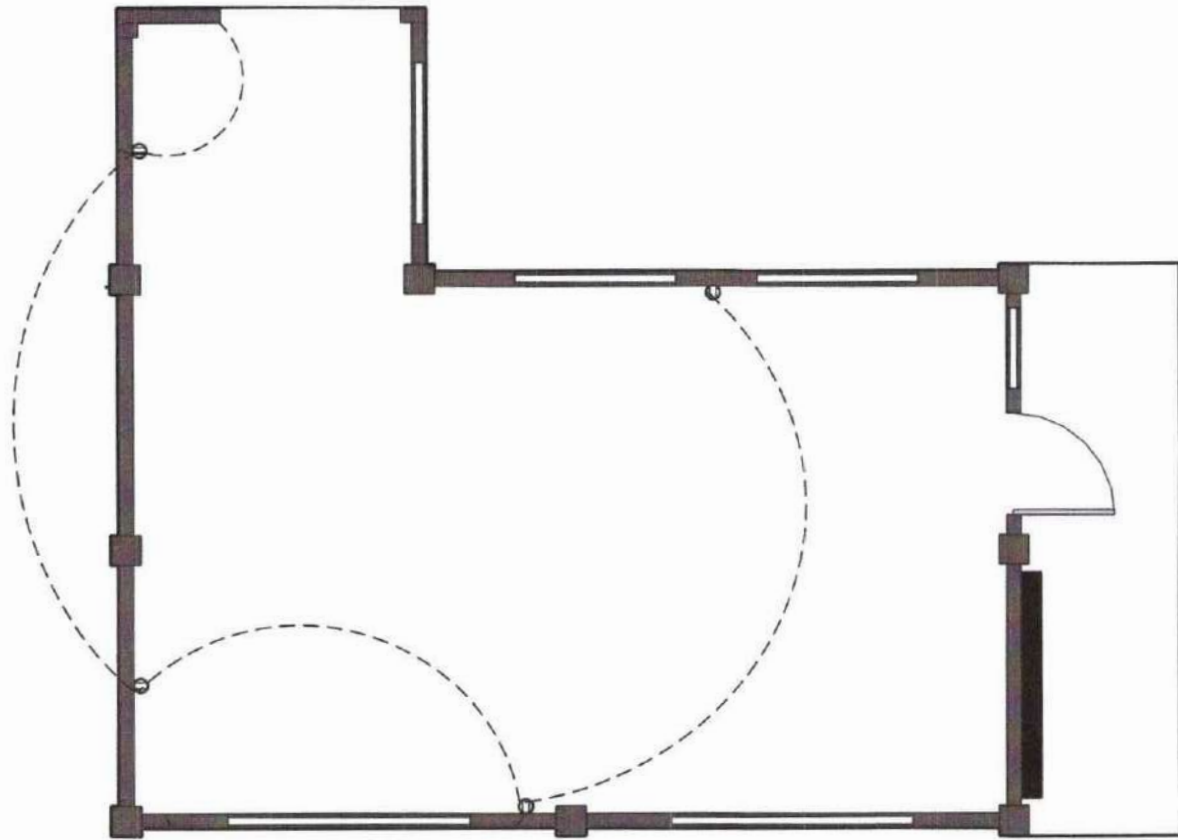
SCHEDULE OF TRUSS MEMBERS		
MARK	DESCRIPTION	SIZE
W-1	TOP & BOT. CHORD	2.5"x2.5"x1/4"
W-2	WEB MEMBERS	2.5"x2.5"x1/4"






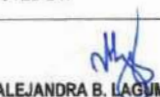
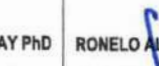
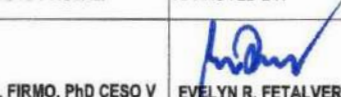
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Address: Gov't Center, Candahug, Palo Layte	Location: Gov't. Center, Candahug, Palo Layte	Draftsman II, EFS-ESSD	Head, EFS-ESSD	Chief, ESSD	Assistant Regional Director, Region VIII	Regional Director, Region VIII	NO. OF PAGE
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LEGEND

-  - 2X 20W LED Tubelight Recessed Type with Luminaire(daylight)
-  - LED Downlight Recessed Type with 18W LED bulb (daylight)
- S2** - 2 Gang Device Switch
-  - Raceway Conduit on Ceiling
-  - Tampered Proof Duplex Convenience Outlet, Grounding Type 16AMPS, 250V with Modern Plate Cover
- E** - Emergency Lights



2 POWER LAYOUT
E-1 SCALE 1:75M

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	Address: Gov't Center, Candahug, Palo Leyte	Location: Gov't. Center, Candahug, Palo Leyte	Draftsman II, EFS-ESSD	Head, EFS-ESSD	Chief, ESSD	Assistant Regional Director, Region VIII	Regional Director, Region VIII	13