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	24.0 kN/m³
STEEL	76.93 kN/m³
150 mm THK. CHB WALL	2.73 kPa
100 mm THK. CHB WALL	2.11 kPa

B. LIVE LOAD

ROOF	1.00 kPa
CLASSROOMS	1.90 kPa
TOILETS	2.40 kPa
CORRIDORS ABOVE, STAIRS	3.80 kPa
CORRIDORS ON GROUND	4.80 kPa

C. WIND LOAD

BUILDING CATEGORY = 1 (ESSENTIAL FACILITIES)

EXPOSURE CAT.	B
WIND VELOCITY	V=270 KPH

P = qh [(GCpf)-(GCpi)] (DESIGN WIND PRESSURE)

WHERE qh = VELOCITY PRESSURE (kPa)
GCpf = EXTERNAL PRESSURE COFFECIENT
GCpi = INTERNAL PRESSURE COFFECIENT

D SEISMIC LOAD

$V = \frac{Cv I}{RT} W$ (DESIGN BASE SHEAR)

$Vmax = \frac{2.50Ca I}{RT} W$ $Vmin = 0.11\,CaIW$

$Vmin = \frac{0.80\,ZNv I}{R} W$ (ZONE 4)

WHERE W = TOTAL DEAD LOAD
T = NATURAL PERIOD = Ct (h)
WHERE C = NUMERICAL COEFFICIENT
h = BUILDING HEIGHT
I = IMPORTANCE FACTOR = 1.50
R = NUMERICAL FACTOR = 8.50
SEISMIC COEFFICIENT Cv = 0.44 Nv
Ca = 0.64 Nv
NEAR SOURCE FACTOR (5 km) Nv = 1.6
Na = 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 = 28.0 MPa
b. SLAB ON FILL	f'c = 17.5 MPa
C. SLAB	f'c = 20.7 MPa

B. REINFORCING STEEL BARS

a. FOR BARS 16mm AND GREATER (INTERMEDIATE GRADE DEFORMED BAR)	fy = 414 MPa
b. FOR BARS LESS THAN 16mm (STRUCTURAL GRADE DEFORMED BAR)	fy = 230 MPa

C. STRUCTURAL STEEL ASTM-A36
FOR TRUSSES, BRACINGS & STRUTS — fy = 248 MPa

D. PURLINS
COLD FORMED LIGHT — fy = 248 MPa

E. MASONRY UNIT (CHB)
NON - LOADING BEARING CHB WALLS — f'm' = 3.45 MPa

F. WELDS — E - 60XX ELECTRODE

G. STRUCTURAL BOLTS ASTM- A307 — a. Ft = 96.60 mPa; b. Fv= 69.00 mPa

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 PREFERENCES 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 SOFAR 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 CONSTURCTION 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 MISCELLANEUOS 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 POSISITON WITHOUT SEGREGATION. RE-HANDLING OR PLACING SHALL BE DONE PREFERABLY WITH BUGGIES, BUCKETS OR WHEELBARROWS. NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUGGIES 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 O 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 MAITAIN ADEQUATE FORMS AND SHORINGS UNTIL THE CONCRETE MEMBERS HAVE ATTAINED THEIR WORKING CONDITION AND STRENGTH.

NOTES ON FOOTINGS

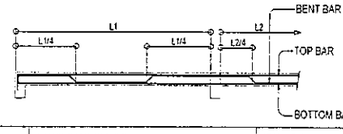
1. FOOTINGS ARE DESIGNED FOR AN ALLOWANCE SOIL BEARING PRESSURE OF 96 KPa (2000psf). CONTRACTOR SHALL REPORT TO THE ENGINEER, IN WRITING, THE ACTUAL SOIL CONDITIONS UNCOVERED AND CONFIRM ACTUAL BEARING CAPACITY OF SOIL BEFORE DEPOSITING CONCRETE.
2. FOOTING SHALL REST AT LEAST 1500mm BELOW NATURAL GRADE 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 psf) 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 — fy = 275 MPa
   B. COLUMNS AND SHEAR WALLS — fy = 275 MPa
   C. BEAMS AND GIRDER — fy = 275 MPa
   D. NON-LOAD BEARING WALL PARTITIONS, BEDDED SLABS, FLOOR & ROOF SLABS, PARAPETS, CATCH BASIN, SIDE WALK — fy = 275 MPa
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 SHOWNON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.

NOTES ON CONCRETE SLABS

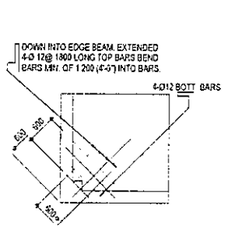
1. ALL SLAB REINFORCEMENTS SHALL BE 20mm CLEAR MINIMUM FROM BOTTOM AND FROM THE TOP OF SLAB.
2. UNLESS OTHERWISE SHOWN, REINFORCEMENT IN CONTINUOUS ELEVETED SLAB SHALL BE CUT AS FOLLOWS



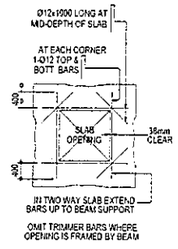
3. IF SLABS ARE REINFORCED BOTHWAYS BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONE THE LONG SPAN AT THE CENTER AND OVER THE LONGER SPAN FOR REINFORCING BARS NEAR THE SUPPORTS. THE SPACING OF THE BARS AT THE COLUMN STRIPS SHALL NOT BE MORE THAN ONE AND A HALF (1 ½) SLAB THICKNESS.
4. TEMPERATURE BARS FOR SLAB SHALL BE GENERALLY PLACED NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.0025 X GROSS-SECTIONAL AREA (Ag) 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 Ø AT 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 DISCONTINUOES 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.



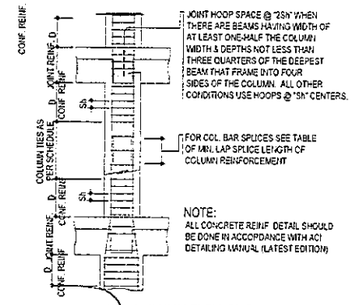
TYPICAL CORNER SLAB DETAIL



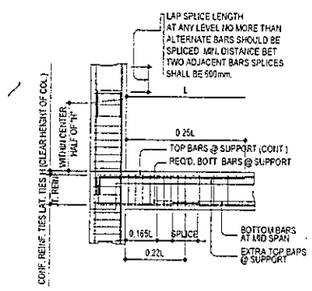
TYPICAL SLAB OPENING DET.

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 WIT HTHE 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 WELDS OR SPLICES OF ADJACENT BARS IS NOT LESS THAN 600mm.



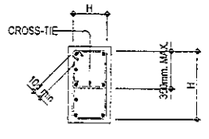
TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



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

NOTES ON BEAMS AND GIRDERS

1. UNLESS, OTHERWISE NOTED IN PLANS, CAMBER ALL BEAMS AND GIRDER AT LEAST 6mm@ FOR EVERY 4.50 M OF SPAN, EXCEPT CANTILEVERS FOR WHICH THE CAMBER SHALL BE AS NOTED IN PLANS OR AS ORDERED BY THE ENGINEER BUT IN NO CASE LESS THAN 20 mm FOR EVERY 3.0 M OF FREE SPAN.
2. TYPICAL BARS BENDING AND CUTTING DETAILS FOR BEAMS SHALL BE AS SHOWN IN FIG. B-1



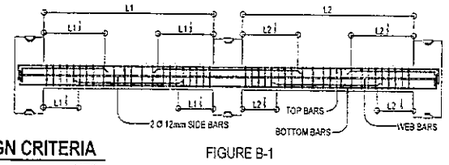


FIGURE B-1

DEPED COMMAND CENTER
1 / S-1 GENERAL CONSTRUCTION NOTES, SPECIFICATIONS AND DESIGN CRITERIA
SCALE NTS

REPUBLIC OF THE PHILIPPINES
DepED DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
MERALCO AVENUE, PASIG CITY

PREPARED BY:	CHECKED BY:	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY:
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PROJECT TITLE	PROJECT CODE	OWNER	SHEET NO.
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center LOCATION: MERALCO AVENUE, PASIG CITY		DEPARTMENT OF EDUCATION DepED	S-1 17
		SHEET CONTENTS: GENERAL CONSTRUCTION NOTES, SPECIFICATIONS AND DESIGN CRITERIA	

GENERAL CONSTRUCTION NOTES

LENGTH (mm)		
	f'c= 6 MPa (4000psi)	
	EDMENT	LAPPED
	150	300
	200	400
	250	500
	300	600
	350	700
	400	800
	450	900

TABLE 'B'
COMPRESSION BARS
TABLE OF LAP SPLICE & ANCHORAGE LENGTH (mm)

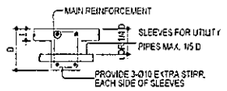
BAR SIZES DESIGNATION	f'c = 20.7MPa (3000psi)		f'c = 27.6 MPa (4000psi)	
	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED
10 mm Ø	225	300	200	300
12 mm Ø	275	300	250	300
16 mm Ø	350	400	325	400
20 mm Ø	450	500	475	500
25 mm Ø	550	625	500	625
28 mm Ø	700	875	625	875
32 mm Ø	700	875	700	875

NOTES
1. TOP BAR IS MULTIPLY VALUE BY 2
2. NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED WITHIN THE REQUIRED LAP LENGTH
3. VALUES GIVEN ABOVE CAN ALSO BE USED FOR COLUMNS

END IN A WALL, THE CLEAR DISTANCE FROM THE BAR TO THE FARTHER FACE OF THE EDMENT LENGTH SHALL BE SHOWN IN A TABLE 'A' FOR TENSION BARS AND TABLE 'B' UNLESS SPECIFIED IN PLAN, TOP BARS AND SHALL NOT BE SPLICED WITHIN THE BE PROVED AT ALL SPLICES.

RS OF REINFORCING BARS, USED 25mm BAR SEPARATORS SPACED AT 1.0M ON ERE BE THAN TWO (2) SEPARATORS BETWEEN LAYERS OF BARS

FOR REINFORCING BARS OR STEEL SHAPES SHALL BE AS SHOWN IN FIGURE B-2



TYP. DET. FOR SLEEVES THRU CONCRETE BEAM
FIG. B-3

FOR UTILITY
1/3 D

STIRR.

REST BEAM ON TOP OF GIRDER BARS, BEAM REINFORCING BARS SHALL BE LINE WHENEVER POSSIBLE.

PERMITTED AT POINTS WHERE CRITICAL BENDING STRESSES OCCUR, SPLICES DICATED IN TABLE 'A' AND 'B' WELDED SPLICES SHALL DEVELOP IN TENSION AT STRENGTH OF THE BAR NOT MORE THAN 50% OF THE BARS AT ANY ONE SECTION

LOW BLOCKS WALLS

NS ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED ONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.

R COLUMN REINFORCED WITH 4-12mm WITH 10mm Ø TIES AT 150mm ON CENTER TERMINATES AND AT EVERY 3.0M LENGTH OF CONCRETE HOLLOW BLOCK RAL PLANS.

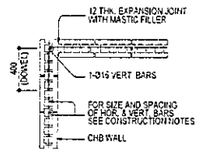
CRETE HOLLOW BLOCKS WALLS REINFORCEMENTS

REINFORCEMENT		NOTES
ONTAL	LAPPED	A. MINIMUM LAPS AT SPLICE= 0.25 M
3RD LEVEL	10mm Ø @ 600mm O.C.	B. PROVIDE RIGHT ANGLED REINFORCEMENT AT CORNERS 0.92 m LONG
3RD LEVEL	10mm Ø @ 600mm O.C.	C. WHERE CHB OR CER. BLK. WALL DOWELS WITH THE SAME SIZE AS VER. OR HOR. REINFORCEMENT SHALL BE PROVIDED
3RD LEVEL	10mm Ø @ 600mm O.C.	
3RD LEVEL	10mm Ø @ 600mm O.C.	

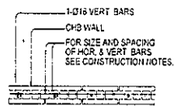
REINFORCING CONCRETE LINTEL BEAMS IN CONCRETE BLOCK WALLS

LINTELS IN BLOCK WALLS

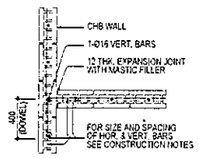
CLEAR SPAN (L)	TOTAL LENGTH (L+0.40M)	Wu = 20.7kPa (3000psf) HEIGHT OF LINTEL (mm)	REINFORCEMENT BOTTOM	TOP	STIRRUPS
1.20 M	1.60 M	200	1-Ø12	1-Ø12	Ø6 mm @ 200mm
1.60 M	2.00 M	250	1-Ø12	1-Ø12	Ø6 mm @ 200mm
1.80 M	2.20 M	250	1-Ø12	1-Ø12	Ø6 mm @ 200mm
2.00 M	2.60 M	250	1-Ø12	1-Ø12	Ø6 mm @ 200mm
2.40 M	2.80 M	250	1-Ø12	1-Ø12	Ø6 mm @ 200mm
2.60 M	3.00 M	250	1-Ø12	1-Ø12	Ø10 mm @ 200mm
3.00 M	3.40 M	300	1-Ø16	1-Ø12	Ø10 mm @ 200mm
3.20 M	3.60 M	300	1-Ø16	1-Ø12	Ø10 mm @ 200mm
3.60 M	4.00 M	350	1-Ø20	1-Ø12	Ø10 mm @ 200mm



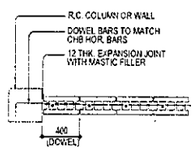
CORNER WALL



OPENING OR END WALL

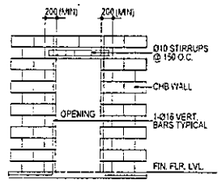


INTERSECTION WALL

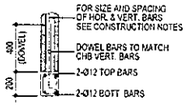


INTERSECTING R.C. COLUMN OR WALL

TYPICAL CONNECTION DETAIL OF MASONRY WALL

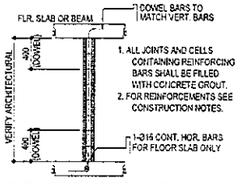


ELEVATION

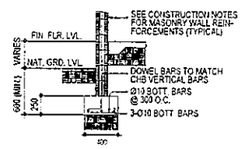


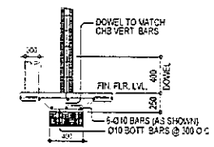
SECTION

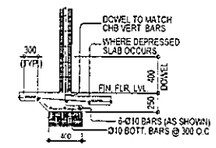
TYP. DET. OF LINTEL BEAM AT CHB WALL OPENING



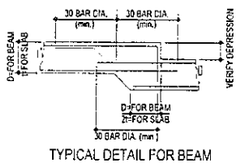
TYP. SECTION OF MASONRY PARTITION REINFORCEMENTS



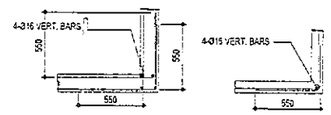




TYPICAL CHB FOOTING DETAILS
(WHERE APPLICABLE)



TYPICAL DETAIL FOR BEAM OR SLAB CHANGE SOFFIT



TYPICAL CONNECTION DETAIL OF R.C. WALL AT CORNERS

NOTES ON WELDS

1. USE E60xx ELECTRODES FOR ALL MEMBERS WELDED.
2. WELDS SHALL DEVELOP THE FULL STRENGTH OF MEMBERS JOINED UNLESS OTHERWISE SHOWN OR DETAILED IN THE DRAWINGS.

NOTES ON STRUCTURAL STEEL

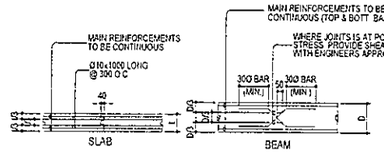
1. STRUCTURAL STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISION OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING LATEST EDITION.
2. ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 STRUCTURAL STEEL UNLESS OTHERWISE INDICATED.
3. ALL WELDED CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF THE MEMBERS CONNECTED.
4. UNLESS OTHERWISE SPECIFIED ALL WELDING RODS SHALL CONFORM WITH E60 ELECTRODES.
5. ALL BOLTS USED UNLESS OTHERWISE SPECIFIED SHALL BE ASTM A 307 BOLTS

NOTES ON EMBBED PIPES

1. ALL EMBEDED PIPES FOR UTILITIES ETC. THAT PASS THRU BEAMS SHALL NOT EXCEED 100mm IN DIAMETER OR 1/3 BEAM DETPH WHICHEVER IS LESS, UNLESS OTHERWISE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
2. NO PIPES SHALL BE ALLOWED TO PASS THRU BEAMS VERTICALLY
3. NO PIPES SHALL BE EMBEDDED IN COLUMNS

NOTES ON CONSTRUCTION JOINTS IN CONCRETE

1. WHERE A CONSTRUCTION JOINT IS TO BE MADE, THE SURFACE OF CONCRETE SHALL BE CLEANED AND ALL LAITANCE AND STANDING WATER REMOVED SHEAR KEY SHALL BE PROVIDE AT THE JOINT.



TYPICAL SLAB & BEAM CONSTRUCTION JOINT DET.

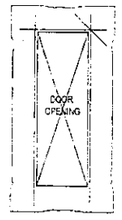
NOTES ON CONCRETE WALLS

1. ALL WALLS SHALL BE REINFORCED ACCORDING TO THE FOLLOWING SCHEDULE OF WALL REINFORCEMENT UNLESS OTHERWISE INDICATED IN THE PLANS

WALL THICKNESS	REINFORCEMENT HORIZONTAL	VERTICAL	REMARKS	VERTICAL SECTION
100mm	Ø10mm @ 250mm O.C.	Ø10mm @ 300mm O.C.	HORIZONTAL BARS AT CENTERS VERTICAL BARS STAGGED OUT	VER. BARS / HOR. BARS
125mm	Ø10mm @ 200mm O.C.	Ø10mm @ 250mm O.C.		
150mm	Ø12mm @ 250mm O.C.	Ø12mm @ 300mm O.C.		

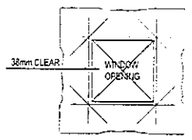
REINFORCING BARS SHALL HAVE 25mm CLEAR CONCRETE COVER FROM FACE OF WALL EXCEPT FOR WALLS IN CONTACT WITH THE GROUND WHERE A MINIMUM OF 60mm SHALL BE PROVIDED AND FOR EXPOSED FACES OF FORMED WALLS WHERE THE MINIMUM SHALL BE 50mm CLEAR.

2. CARRY VERTICAL BARS AT LEAST 50mm ABOVE FLOOR LEVEL TO PROVIDE FOR SPLICES WHEN NECESSARY STOP AT 50mm BELOW TOP SLAB OR SOLID BAND WHERE THE WALL ENDS VERTICAL AND HORIZONTAL BARS SHALL BE SPLICED BY LAPPING A DISTANCE EQUAL TO 30 DIAMETERS AND WIRED SECURELY WITH 16 G.I. WIRE PROVIDED THAT SPLICES IN ADJACENT BARS ARE STAGGERED AT LEAST 1.5OM O.C.
3. UNLESS OTHERWISE NOTED IN THE PLANS, ALL OPENINGS IN WALLS 250mm OR THICKER SHALL BE REINFORCED AROUND WITH 2-20mmØ BARS, FOR 225mm, 200mm, 175mm, 150mm THICK WALLS, USE 2-16mmØ, FOR 125mm AND 100mm THICK WALLS, USE 2-12mmØ BARS, ALL WALLS SPANNING SHALL HAVE VERTICAL REINFORCEMENT BENT A U-FORM LIKE STIRRUPS AND SPACED ACCORDING TO THE SCHEDULE UNLESS OTHERWISE NOTED.



NOTE:
PROVIDE THESE ADDITIONAL BARS FOR ALL OPENINGS PLUS BARS (NOT SHOWN) PARALLEL TO SIDE OF OPENING EQUAL TO THE NUMBER OF TERMINATED BARS AT OPENING

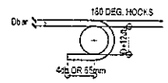
SEE ARCHITECTURAL & MECHANICAL PLANS FOR SLAB OPENING LOCATION.

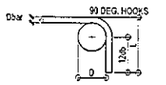


TYP. EXTERIOR WDW. & DOOR OPENING

NOTES ON STIRUPS

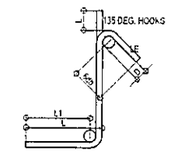
1. ALL REINFORCEMENT SHALL BE BENT COLD UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.
2. AS SHOWN IN THE DESIGN DRAWINGS OR PERMITTED BY THE STRUCTURAL ENGINEER.
3. TIES & CLOSE STIRRUPS MUST BE AT 135.





MAIN BAR END HOOKS (ALL GRADES)

BAR SIZE DESIGNATION	DIAMETER (mm)	180° HOOK D=4Db	180° HOOK L	90° HOOK L
10 mm Ø	60	75	125	150
12 mm Ø	75	100	150	200
16 mm Ø	95	125	175	250
20 mm Ø	115	150	200	300
25 mm Ø	150	200	250	450
28 mm Ø	240	300	350	550
32 mm Ø	370	335	450	600



STIRRUP AND TIE HOOKS (ALL GRADES)

BAR SIZE DESIGNATION	DIAMETER (mm)	135° HOOK D=4Db	135° HOOK L	90° HOOK L
10 mm Ø	60	125	95	130
12 mm Ø	80	155	115	115
16 mm Ø	95	200	140	150
20 mm Ø	115	200	145	200
25 mm Ø	150	335	230	425

REVISED CENTER
1 GENERAL CONSTRUCTION NOTES, SPECIFICATIONS AND DESIGN CRITERIA
8-3 DATE

NTS

PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY	PROJECT TITLE	PROJECT CODE	OWNER	SHEET NO.
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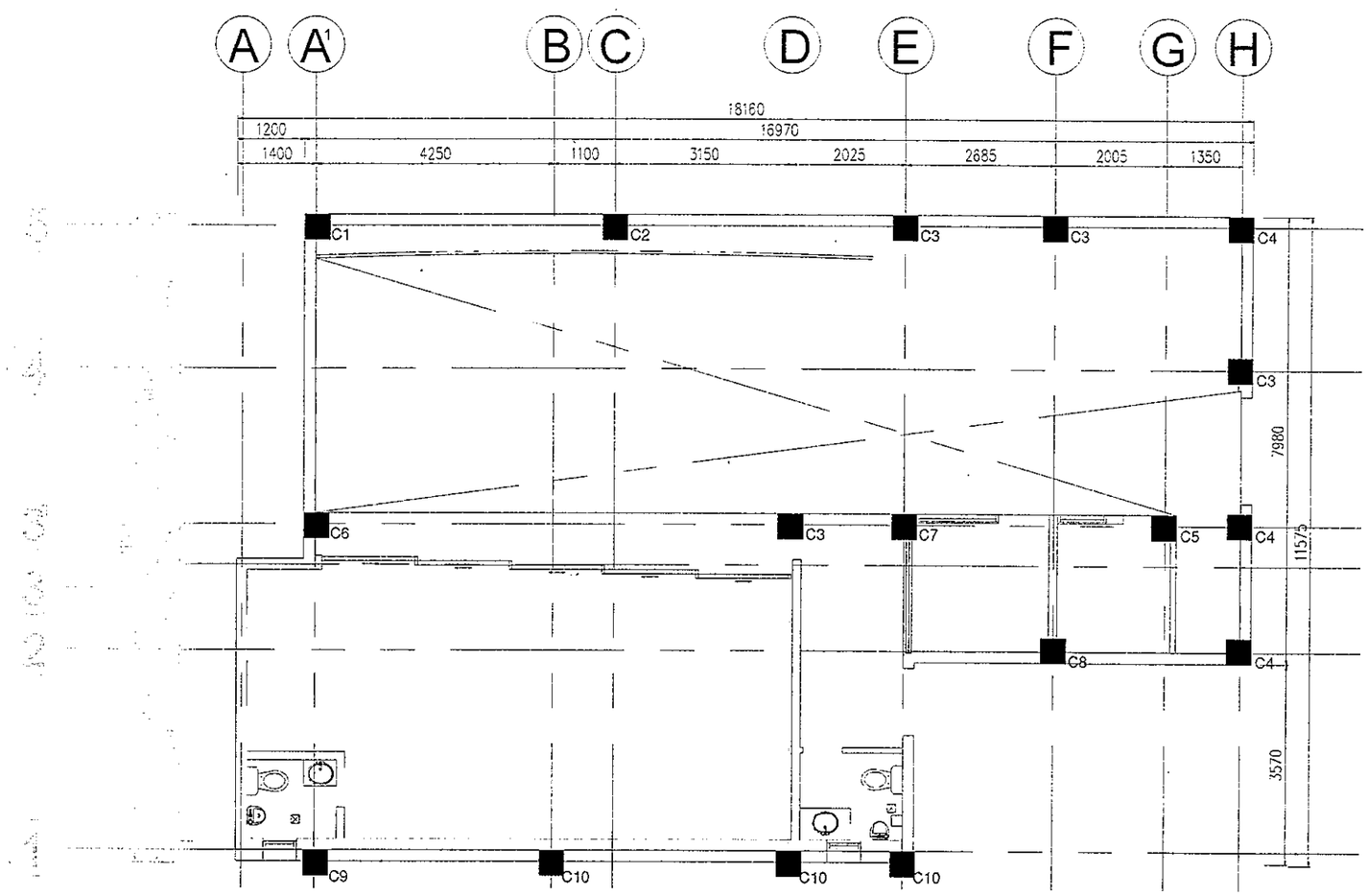
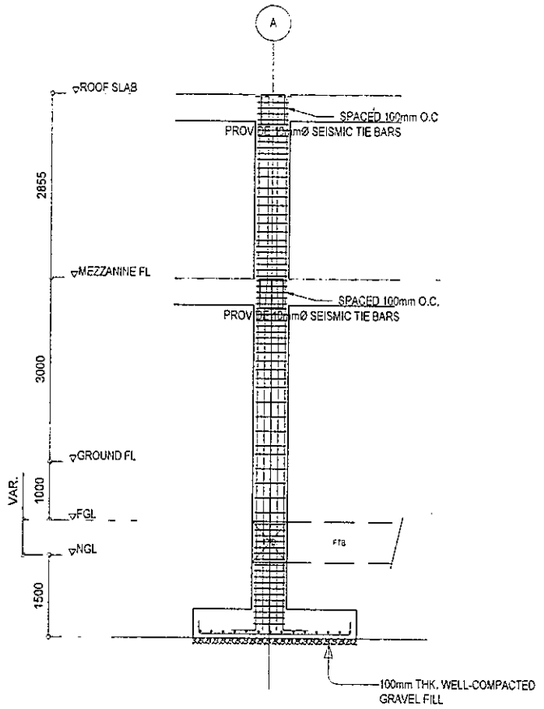
							SHEET CONTENTS: GENERAL CONSTRUCTION NOTES, SPECIFICATIONS AND DESIGN CRITERIA	17



1 S-3 DEPED COMMAND CENTER
GROUND FLOOR COLUMN LAYOUT
SCALE 1:100 M



2 S-3 DEPED COMMAND CENTER
REFERENCE DETAIL ELEV. OF COLUMNS
SCALE 1:100 M

DepED
DEPARTMENT OF EDUCATION

PREPARED BY:
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SENIOR TECHNICAL ASSISTANT III/ARCHITECT
PRC-
ENGR. ERIC JORGE A. CARAG
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UNDERSECRETARY OF ADMINISTRATION

PROJECT TITLE:
Extension of an Existing Building at the DepED Central Office for the CO Matatag Center

LOCATION: MERALCO AVENUE, PASIG CITY

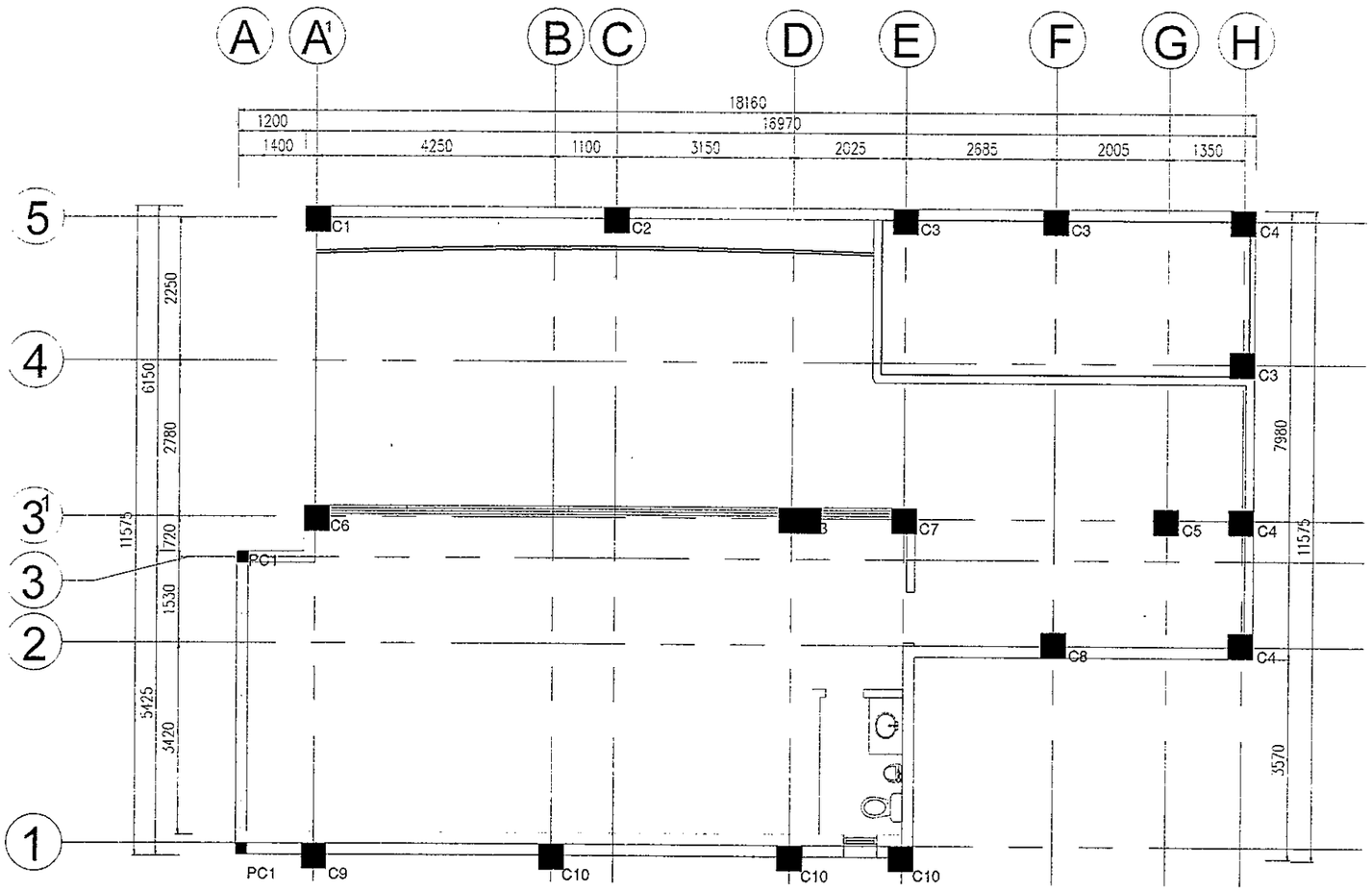
PROJECT CODE:

OWNER:
DEPARTMENT OF EDUCATION
DepED

SHEET NO: S-3

SHEET CONTENTS:
GROUND FLOOR COLUMN LAYOUT
REFERENCE DET. ELEVATION OF COLUMNS

17



1 / S-4 DEPED COMMAND CENTER
MEZZANINE PLAN COLUMN LAYOUT
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES
DepED
DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
MERALCO AVENUE, PASIG CITY

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PROJECT TITLE:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION : MERALCO AVENUE, PASIG CITY

PROJECT CODE:

OWNER:
DEPARTMENT OF EDUCATION
DepED

SHEET CONTENTS :
MEZZANINE COLUMN LAYOUT

SHEET NO:
S-4
17

COLUMN SCHEDULE @ 0 TO 6.2m

C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM
LINKS #10 @ 250	LINKS #10 @ 300	LINKS #10 @ 250	LINKS #10 @ 250	LINKS #10 @ 300	LINKS #10 @ 250	LINKS #10 @ 250	LINKS #10 @ 300	LINKS #10 @ 250	LINKS #10 @ 300	LINKS #10 @ 200
450 450 ●#20 ●#16	450 450 ●#20	450 450 ●#20 ●#16	450 450 ●#20 ●#16	450 450 ●#25 ●#20	450 450 ●#20 ●#16	450 450 ●#20 ●#16	450 450 ●#20	450 450 ●#20 ●#16	450 450 ●#25 ●#20	200 200 ◇#12
4-#20 + 4-#16	8-#20	4-#20 + 4-#16	4-#20 + 4-#16	4-#25 + 4-#20	4-#20 + 4-#16	4-#20 + 4-#16	8-#20	4-#20 + 4-#16	4-#25 + 4-#20	4-#13
C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	
LINKS #10 @ 300	LINKS #10 @ 250	LINKS #10 @ 250	LINKS #10 @ 300	LINKS #10 @ 300	LINKS #10 @ 250	LINKS #10 @ 250	LINKS #10 @ 300	LINKS #10 @ 300	LINKS #10 @ 250	
450 450 ●#25 ●#20	450 450 ●#20 ●#16	450 450 ●#20 ●#16	450 450 ●#20	450 450 ●#25 ●#20	450 450 ●#20 ●#16	450 450 ●#20 ●#16	450 450 ●#20	450 450 ●#25 ●#20	450 450 ●#25 ●#20	
4-#25 + 4-#20	4-#20 + 4-#16	4-#20 + 4-#16	8-#20	4-#25 + 4-#20	4-#20 + 4-#16	4-#20 + 4-#16	8-#20	4-#25 + 4-#20	4-#25 + 4-#20	
C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	C25 : Fy420 , COVER = 50MM 10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	
LINKS #10 @ 300	LINKS #10 @ 300	LINKS #10 @ 250	LINKS #10 @ 250	LINKS #10 @ 250	LINKS #10 @ 300	LINKS #10 @ 300	LINKS #10 @ 250	LINKS #10 @ 300	LINKS #10 @ 250	
450 450 ●#25	450 450 ●#25	450 450 ●#25 ●#16	450 450 ●#25 ●#16	450 450 ●#25 ●#16	450 450 ●#25	450 450 ●#25	450 450 ●#25 ●#16	450 450 ●#25	450 450 ●#25 ●#16	
12-#25	8-#25	4-#25 + 4-#16	4-#25 + 4-#16	4-#25 + 4-#16	12-#25	8-#25	4-#25 + 4-#16	8-#25	4-#25 + 4-#16	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	

SLAB SCHEDULE (C20:FY420) (LEVEL : 3.0M)

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT				TOP REINFORCEMENT					REMARKS
		ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION	
		FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
S2	150	#10 @ 250 C/C	---	#10 @ 250 C/C	---	---	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 250 C/C	#10 @ 250 C/C	---
S3, S7	150	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	---
S4, S5	150	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	---	---	#10 @ 250 C/C	#10 @ 250 C/C	---
S6	150	#10 @ 250 C/C	---	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	---	#10 @ 250 C/C	#10 @ 250 C/C	---

1 / S-5 DEPED COMMAND CENTER
COLUMN SCHEDULE @ 0 TO 6.20M
SCALE NTS

2 / S-5 DEPED COMMAND CENTER
SLAB SCHEDULE (C20:FY420) (LEVEL : 3.0M)
SCALE NTS

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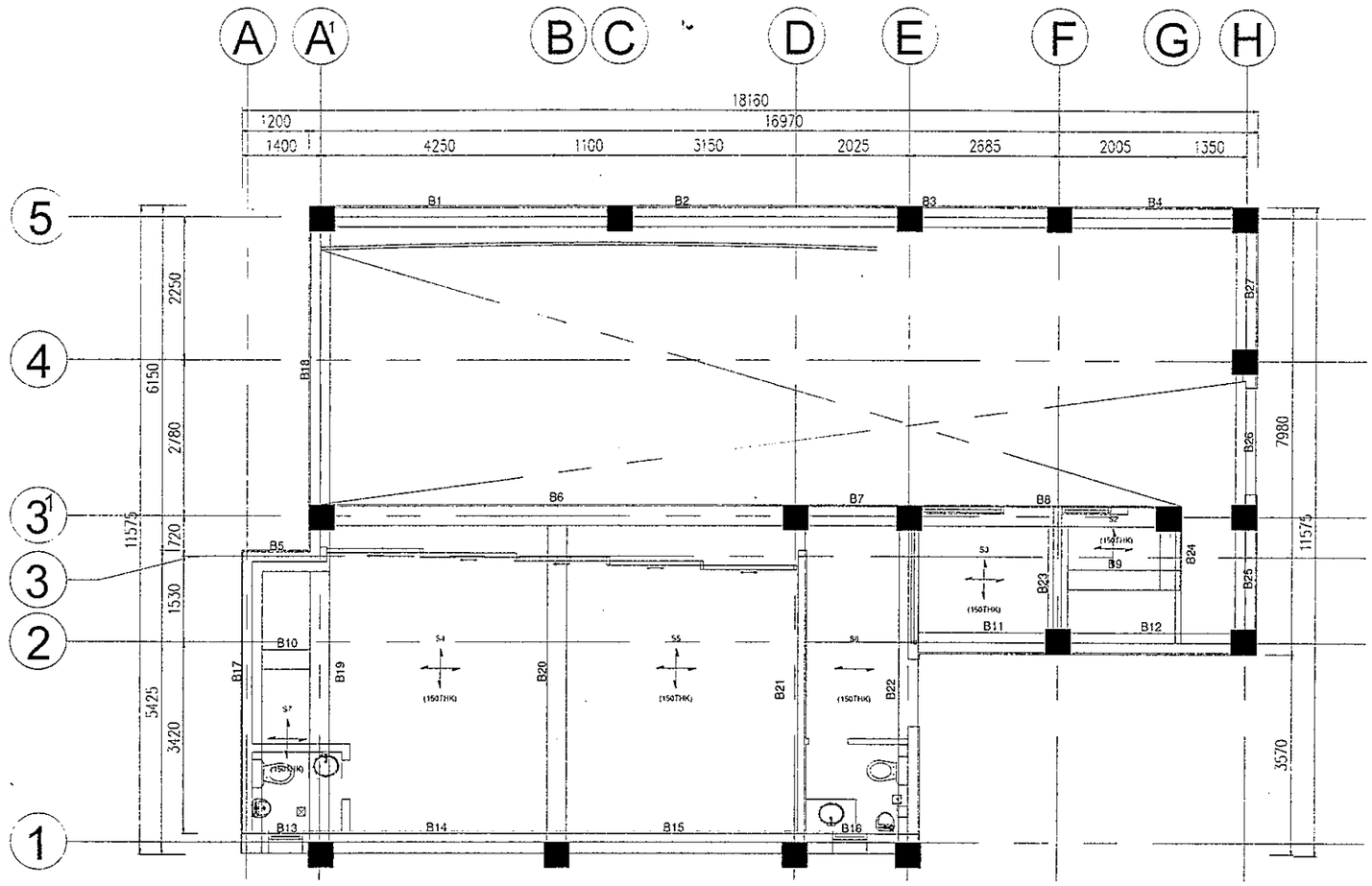
DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
MERALCO AVENUE, PASIG CITY

PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	RECOMMENDING APPROVAL :	APPROVED BY :
AR. MARIA MARGARITA T. RACELIS SENIOR TECHNICAL ASSISTANT III/ARCHITECT ENGR. ERIC JORGE A. CARAG TECHNICAL ASSISTANT II/ENGINEER AS-DepED	ENGR. WILFREDO ALARCON STRUCTURAL ENGINEER	ANNABELLE R. PANGAN CHIEF, EFD DepED	ROBERT M. AGUSTIN DIRECTOR IV ADMINISTRATIVE SERVICE	NOLASCO A. MEMPIN UNDERSECRETARY OF ADMINISTRATION

PROJECT TITLE :	PROJECT CODE:	OWNER :	SHEET NO:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center LOCATION : MERALCO AVENUE, PASIG CITY		DEPARTMENT OF EDUCATION DepED	S-5
		SHEET CONTENTS : COLUMN SCHEDULE @ 0 TO 6.20M SLAB SCHEDULE (C20:FY420) (LEVEL: 3.0M)	17

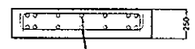


1 S-6 DEPED COMMAND CENTER
SLAB GENERAL ARRANGEMENT @ 3.0M
SCALE 1:100 M

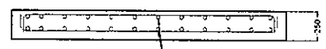
BEAM LEGEND

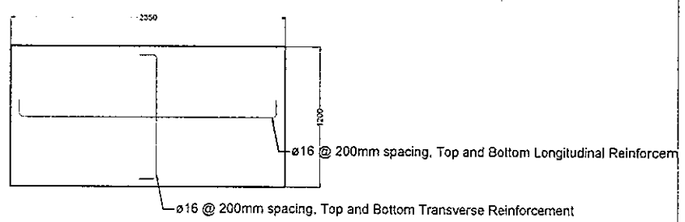
BEAM	SIZE	
	B	D
B11,B21	200	350
B1,B2,B3,B4,B5,B6,B7,B8,B9,B10,B12 B13,B14,B15,B16,B17,B18,B19,B20 B22,B23,B24,B25,B26,B27,B28,B29 B30,B31,B32	350	500

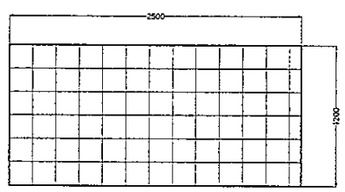
Longitudinal Section



Transverse Section







REPUBLIC OF THE PHILIPPINES
DepED
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EDUCATION FACILITIES DIVISION
MERALCO AVENUE, PASIG CITY

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PROJECT TITLE:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center

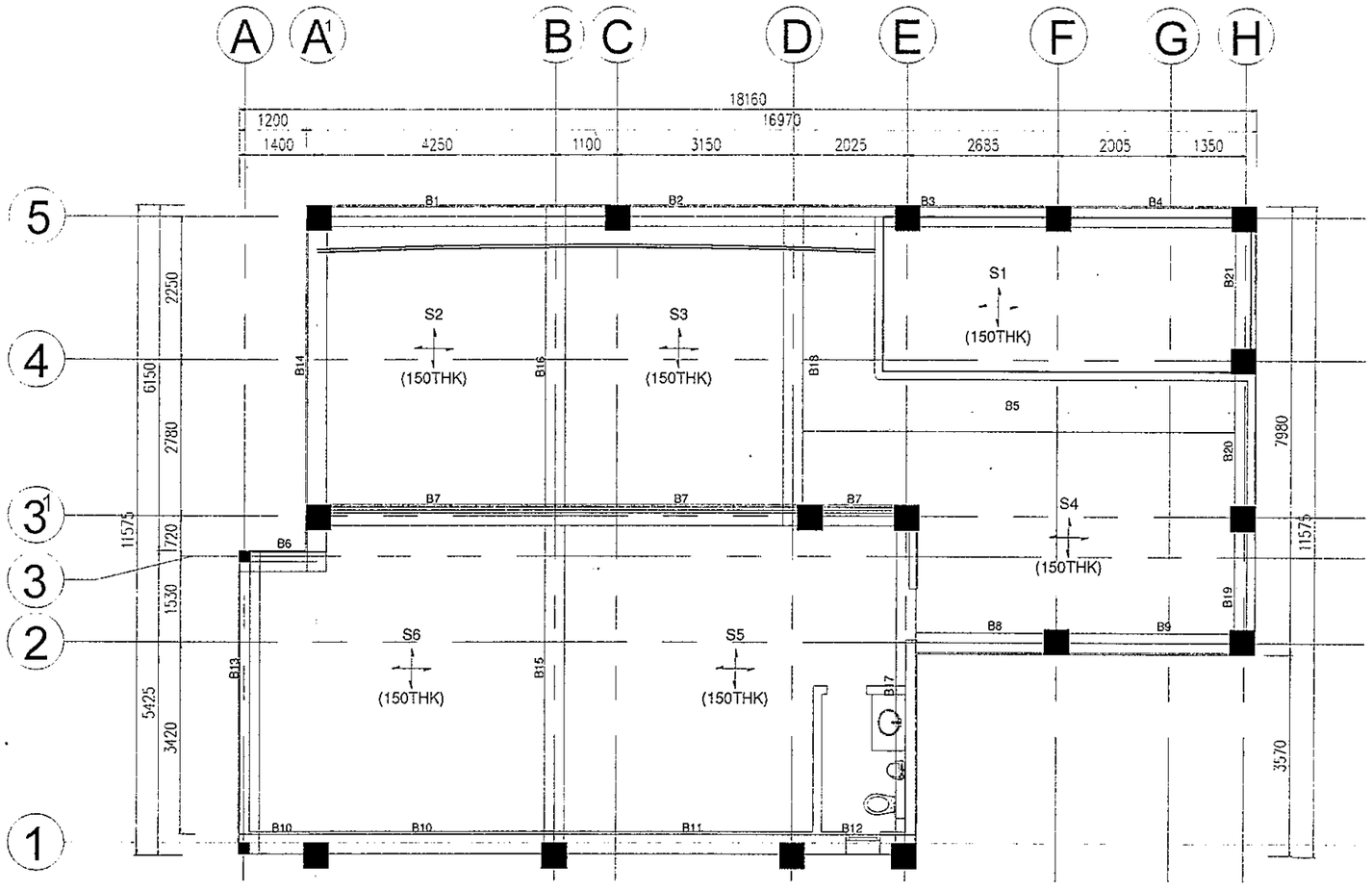
LOCATION: MERALCO AVENUE, PASIG CITY

PROJECT CODE:

OWNER:
DEPARTMENT OF EDUCATION
DepED

SHEET CONTENTS:
SLAB GENERAL ARRANGEMENT @ 3.0M
CONCRETE PAD DETAIL FOR GENSET

SHEET NO.
S-6
17



BEAM LEGEND

BEAM	SIZE	
	B	D
B1,B2,B3,B4,B5,B6,B8,B9,B10,B11 B12,B13,B14,B15,B16,B17,B18,B19 B20,B21	350	500
B7	350	600

1 / S-7 DEPED COMMAND CENTER
SLAB GENERAL ARRANGEMENT @ 6.20M
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES
DepED
DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
MERALCO AVENUE, PASIG CITY

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PROJECT TITLE:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION: MERALCO AVENUE, PASIG CITY

PROJECT CODE:

OWNER:
DEPARTMENT OF EDUCATION
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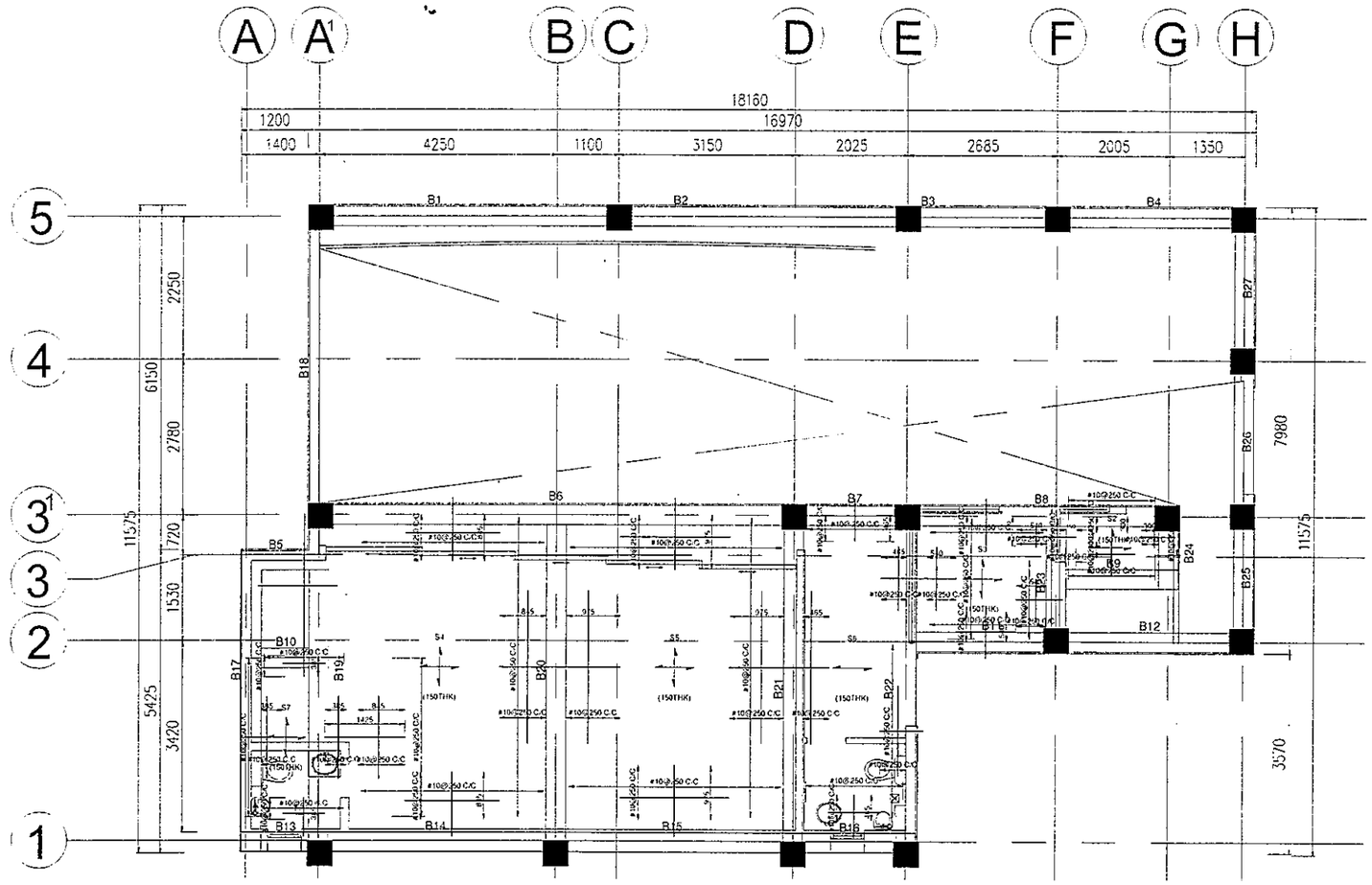
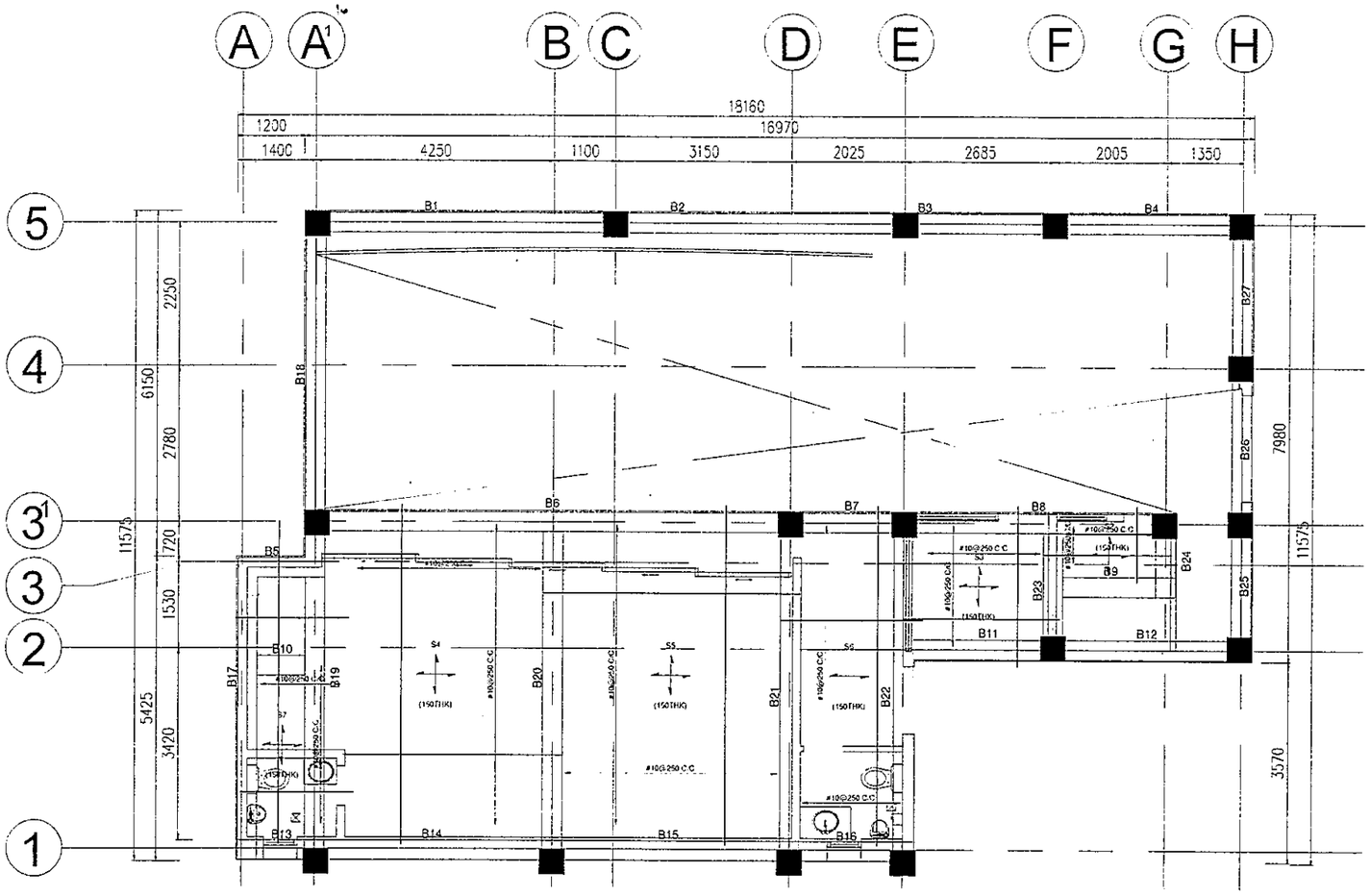
SHEET CONTENTS:
SLAB GENERAL ARRANGEMENT @ 6.20M

SHEET NO:
S-7
17



1 / S-8 DEPED COMMAND CENTER
SLAB TOP REINFORCEMENT @ 3.0M
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES DepED DEPARTMENT OF EDUCATION EDUCATION FACILITIES DIVISION MERALCO AVENUE, PASIG CITY	PREPARED BY : AR. MARIA MARGARITA T. FACE-IS SENIOR ARCHITECT II/ARCHITECT ENGR. ERIC JORGE A. CARAG TECHNICAL ASSISTANT I/ENGINEER As-DepEd	CHECKED BY ENGR. WILFREDO ALARCON STRUCTURAL ENGINEER	RECOMMENDING APPROVAL ANNABELLE S. [illegible] CHIEF, EFD DepED	RECOMMENDING APPROVAL ROBERT M. AGUSTIN DIRECTOR IV ADMINISTRATIVE SERVICE	APPROVED BY NOLASCO A. [illegible] UNDERSECRETARY OF ADMINISTRATION	PROJECT TITLE : **Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center** LOCATION : MERALCO AVENUE, PASIG CITY	PROJECT DOSE	OWNER DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : SLAB TOP REINFORCEMENT @ 3.0M	SHEET NO. S-8 17



1 / S-9 DEPED COMMAND CENTER
SLAB BOTTOM REINFORCEMENT @ 3.0M
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES
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DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
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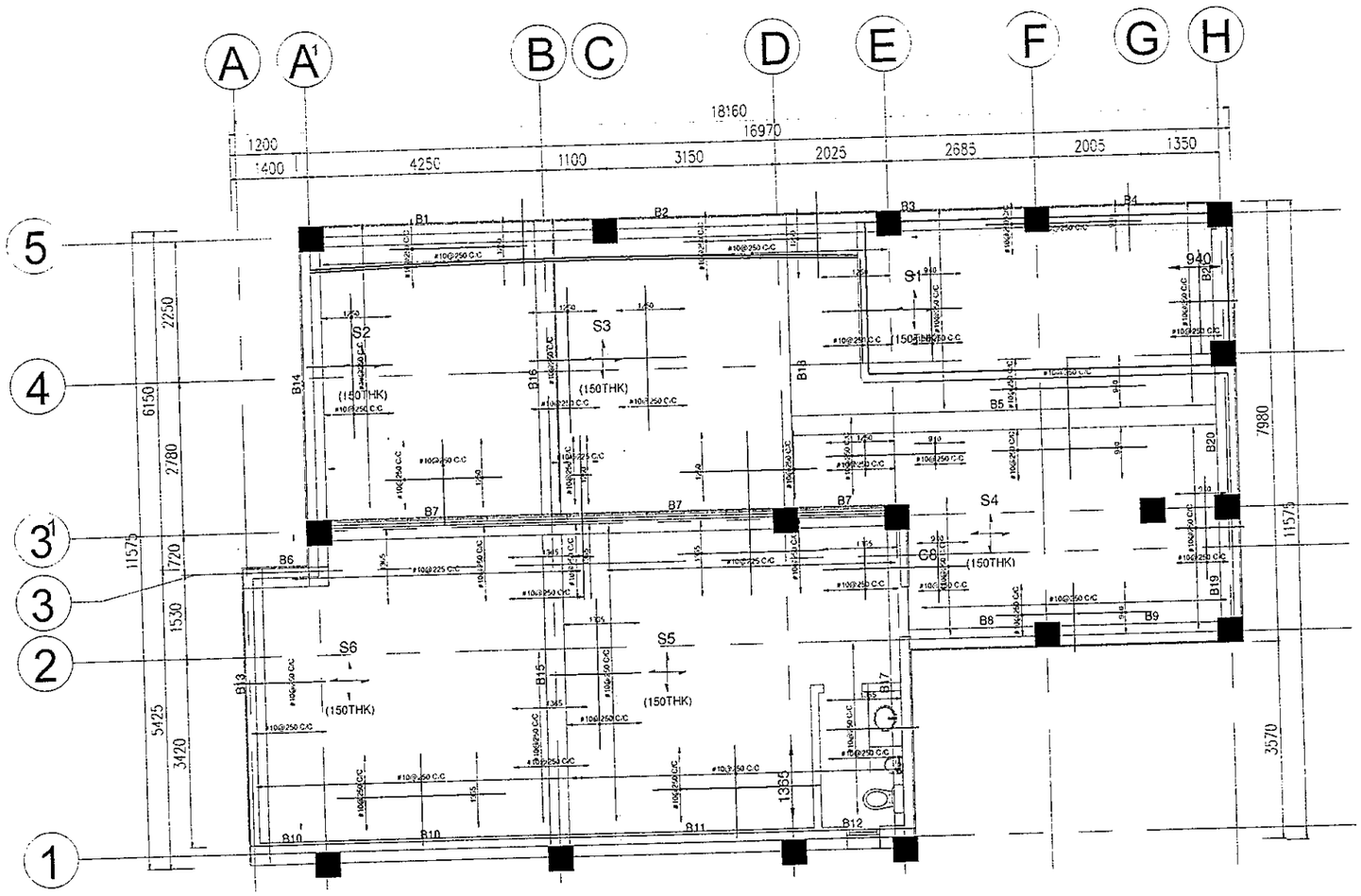
PROJECT TITLE:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION: MERALCO AVENUE, PASIG CITY

PROJECT CODE:

OWNER:
DEPARTMENT OF EDUCATION
DepED

SHEET CONTENTS:
SLAB BOTTOM REINFORCEMENT @ 3.0M

SHEET NO:
S-9
17



1 / S-10 DEPED COMMAND CENTER
SLAB TOP REINFORCEMENT @ 6.20M
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES
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PROJECT TITLE:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION: MERALCO AVENUE, PASIG CITY

PROJECT CODE:

OWNER:
DEPARTMENT OF EDUCATION
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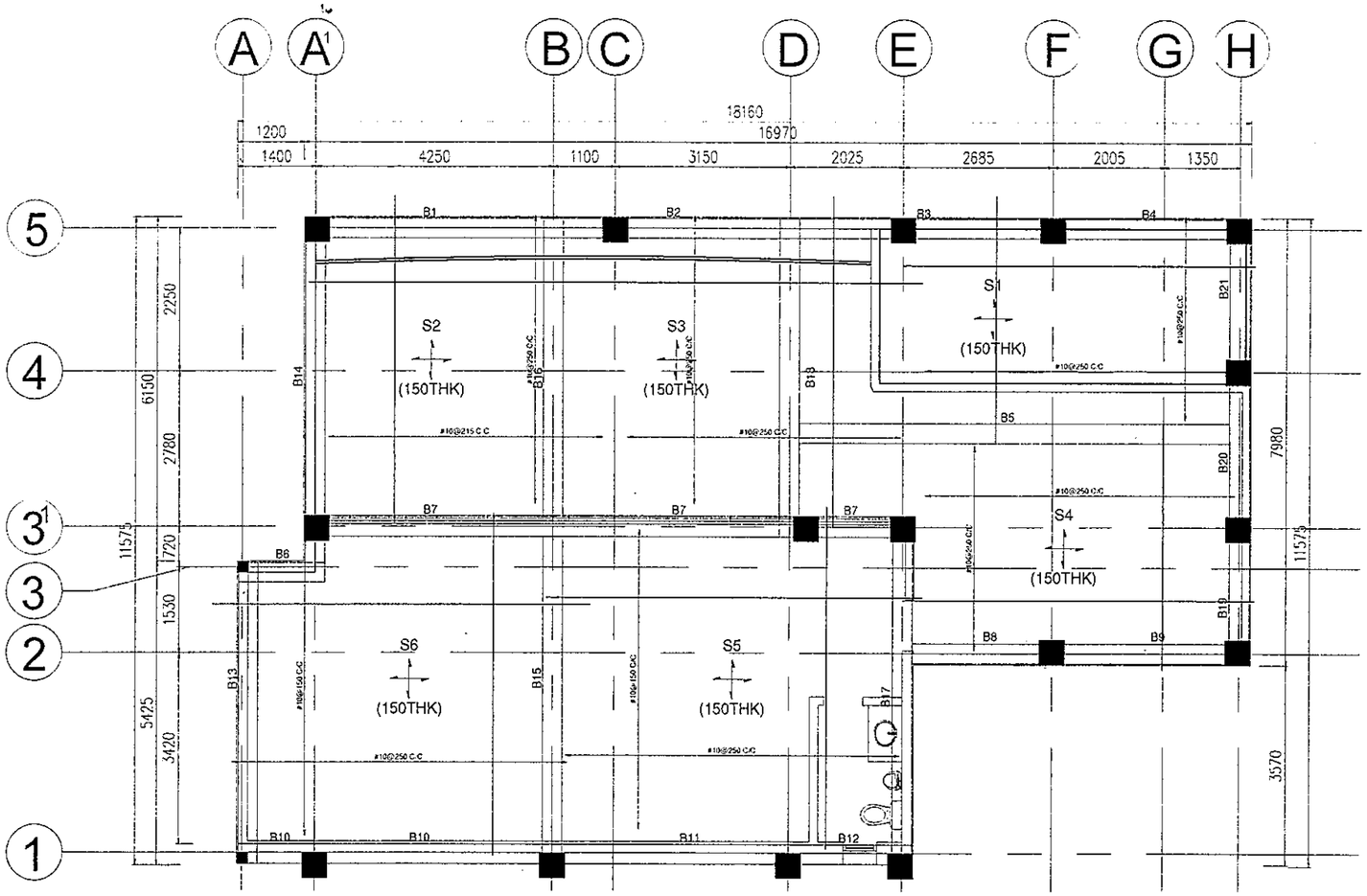
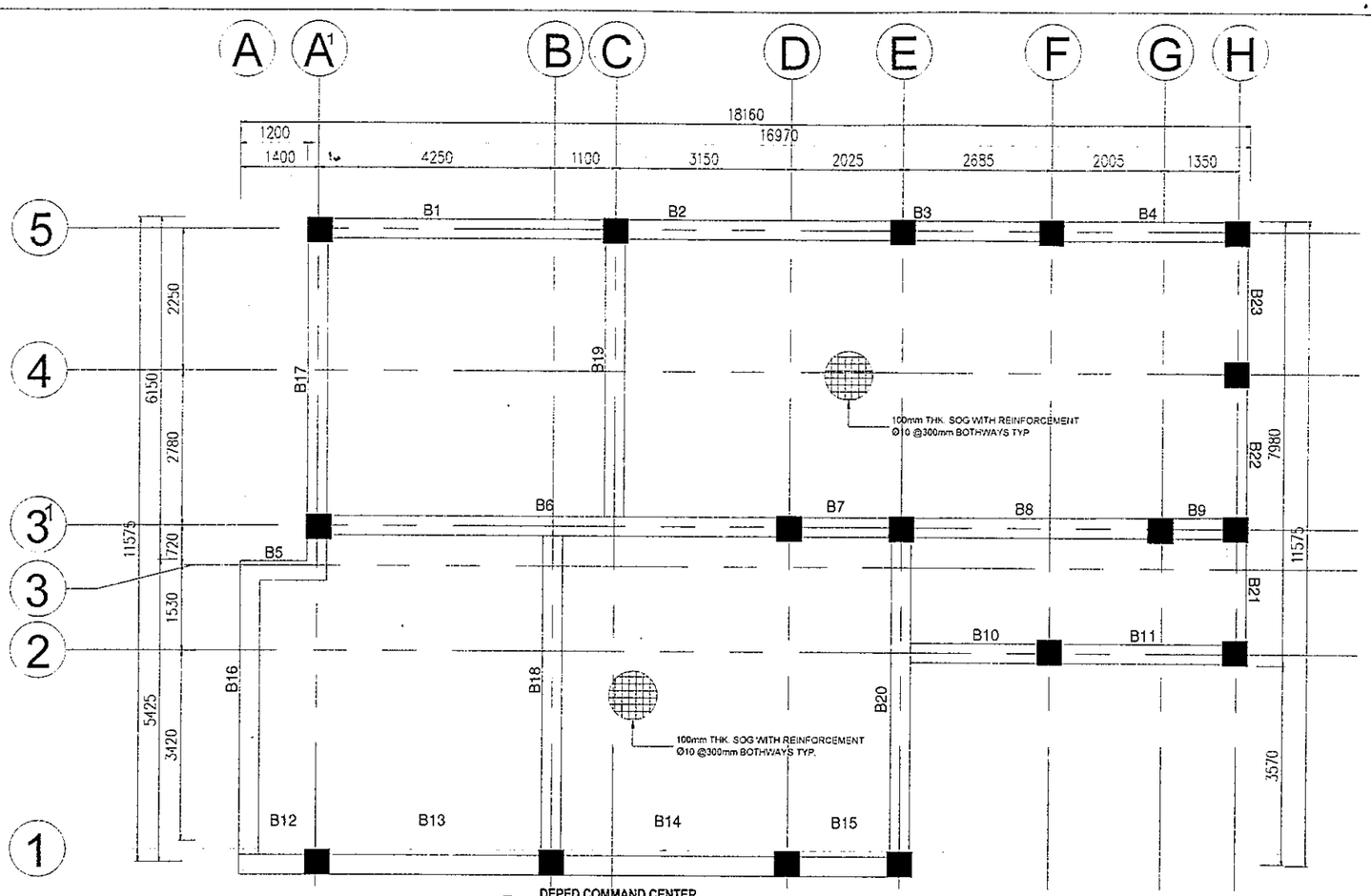
SHEET CONTENTS:
SLAB TOP REINFORCEMENT @ 6.20M

SHEET NO:
S-10
17

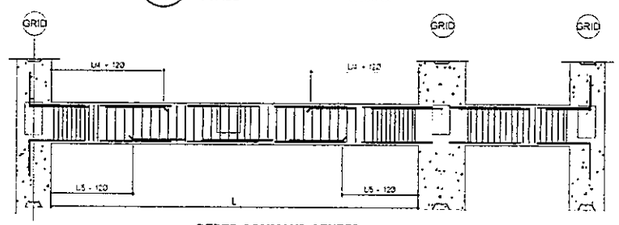


1 / S-11 DEPED COMMAND CENTER
SLAB BOTTOM REINFORCEMENT @ 6.20M
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES DepED DEPARTMENT OF EDUCATION EDUCATION FACILITIES DIVISION MERALCO AVENUE, PASIG CITY	PREPARED BY AR. MARIA MARGARITA P. RACELIS SENIOR TECHNICAL ASSISTANT III/ARCHITECT As-DepEd ENGR. ERIC JORGE A. CARAG TECHNICAL ASSISTANT I/ENGINEER As-DepEd	CHECKED BY ENGR. WILFREDO ALARCON STRUCTURAL ENGINEER	RECOMMENDING APPROVAL ANNABELLE R. HANGAD CHIEF, EFD DepED	RECOMMENDING APPROVAL ROBERT M. AGUSTIN DIRECTOR IV ADMINISTRATIVE SERVICE	APPROVED BY NOLASCO A. CEMPIN UNDERSECRETARY OF ADMINISTRATION	PROJECT TITLE : **Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center** LOCATION : MERALCO AVENUE, PASIG CITY	PROJECT CODE	OWNER DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : SLAB BOTTOM REINFORCEMENT @ 6.20M	SHEET NO. S-11 17



1 S-12 DEPED COMMAND CENTER
TIE BEAM PLAN
SCALE 1:100 M



2 S-12 DEPED COMMAND CENTER
TYPICAL GIRDER/BEAM DETAIL
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES
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EDUCATION FACILITIES DIVISION
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PROJECT TITLE
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION MERALCO AVENUE, PASIG CITY

PROJECT CODE

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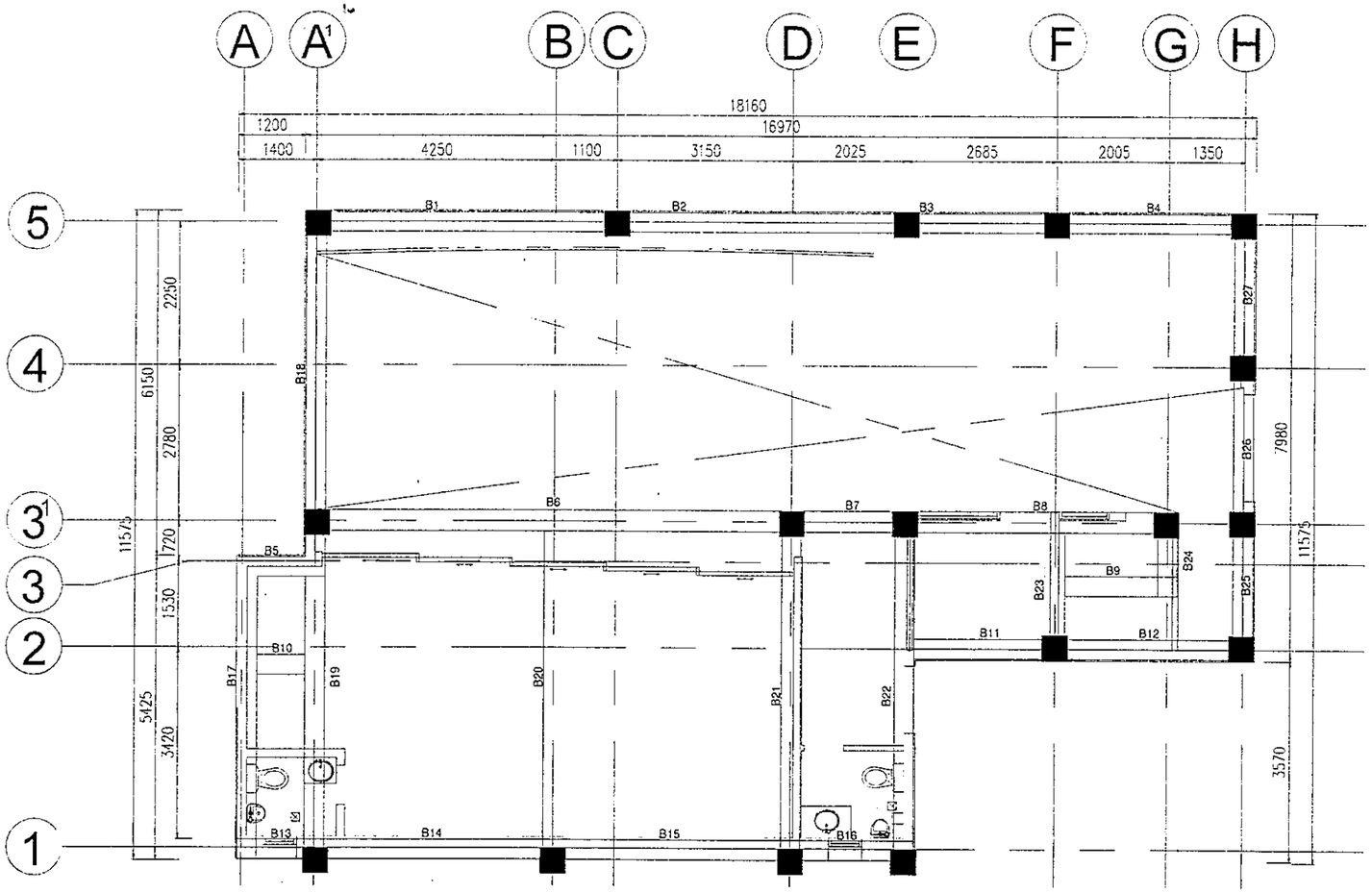
DEPARTMENT OF EDUCATION
DepED

SHEET NO.
S-12
17

SHEET CONTENTS
TIE BEAM PLAN
TYPICAL GIRDER/BEAM DETAIL



1 / S-13 DEPED COMMAND CENTER
GROUND FLOOR BEAM LAYOUT
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES
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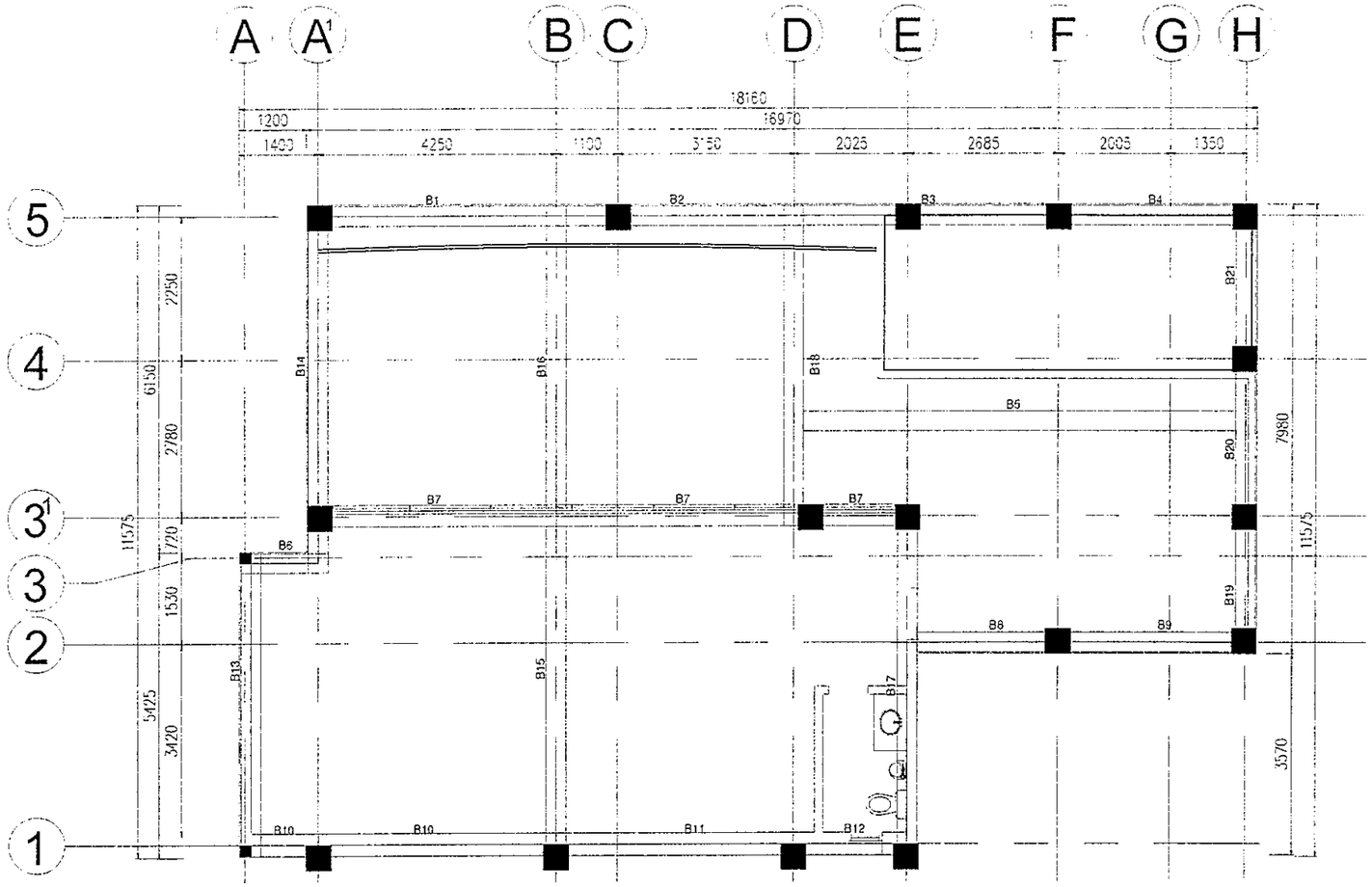
PROJECT TITLE
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION : MERALCO AVENUE, PASIG CITY

PROJECT CODE

OWNER
DEPARTMENT OF EDUCATION
DepED

SHEET CONTENTS
GROUND FLOOR BEAM LAYOUT

SHEET NO.
S-13
17



1 / S-14 DEPED COMMAND CENTER
MEZZANINE PLAN BEAM LAYOUT
SCALE 1:100 M

REPUBLIC OF THE PHILIPPINES
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DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
MERALCO AVENUE, PASIG CITY

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PROJECT TITLE:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION: MERALCO AVENUE, PASIG CITY

PROJECT CODE:

OWNER:
DEPARTMENT OF EDUCATION
DepED

SHEET CONTENTS:
MEZZANINE PLAN BEAM LAYOUT

SHEET NO:
S-14
17

BEAM SCHEDULE (C20:Fy420) (LEVEL: 1.5m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT				
B1	350	500	3-#16	3-#16	3-#16	4-#16	4-#10	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B2	350	500	3-#16	3-#16	3-#16	4-#16	4-#10	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B3	350	500	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B4	350	500	3-#16	3-#16	5-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B5	350	500	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B6	350	500	3-#16	3-#16	3-#16	5-#16	5-#10	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B7	350	500	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B8	350	500	4-#10	4-#10	4-#10	5-#16	5-#10	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B9	350	500	3-#16	3-#16	5-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B10	350	500	5-#10	5-#10	5-#10	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B11	350	500	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B12	350	500	4-#16	4-#16	4-#16	3-#25	3-#25	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B13	350	500	3-#16	3-#16	3-#16	3-#25	3-#25	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B14	350	500	4-#16	4-#16	4-#16	3-#25	3-#25	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B15	350	500	4-#16	4-#16	4-#16	3-#25	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B16	350	500	4-#16	4-#16	4-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	-	-	-
B17	350	500	5-#16	5-#16	5-#16 + 2-#16	4-#25	4-#16	4-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B18	350	500	5-#16	5-#16	3-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B19	350	500	3-#16	5-#16	5-#16 + 2-#16	3-#25	3-#25	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B20	350	500	5-#16 + 2-#16	5-#16	5-#16 + 2-#16	3-#25	3-#16	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B21	350	500	4-#16	4-#16	4-#16	3-#25	3-#25	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B22	350	500	4-#16	4-#16	4-#16	3-#25	3-#25	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B23	350	500	3-#16	5-#16	5-#16 + 2-#16	3-#25	3-#25	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-

1 / S-15 DEPED COMMAND CENTER
BEAM SCHEDULE (C20:FY420) (LEVEL: 1.50M)
SCALE NTS

BEAM SCHEDULE (C20:Fy420) (LEVEL: 3.0m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT				
B1	350	500	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B2	350	500	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B3	350	500	4-#16	4-#16	4-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B4	350	500	4-#16	4-#16	4-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B5	350	500	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	CANTILEVERED
B6	350	500	3-#16	5-#16	3-#16	5-#16 + 2-#16	5-#16 + 2-#16	5-#16 + 2-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B7	350	500	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B8	350	500	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B9	350	500	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B10	200	350	2-#16	2-#16	2-#16	2-#16	2-#16	2-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B11	350	500	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	CANTILEVERED
B12	350	500	4-#16	4-#16	4-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B13	350	500	5-#16 + 2-#16	3-#16	3-#16	5-#16 + 2-#16	5-#16 + 2-#16	5-#16 + 2-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	CANTILEVERED

2 / S-15 DEPED COMMAND CENTER
BEAM SCHEDULE (C20:FY420) (LEVEL: 3.0M)
SCALE NTS

REPUBLIC OF THE PHILIPPINES
DepED
DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
MERALCO AVENUE, PASIG CITY

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PROJECT TITLE:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION: MERALCO AVENUE, PASIG CITY

PROJECT CODE:

OWNER:
DEPARTMENT OF EDUCATION
DepED

SHEET CONTENTS:
BEAM SCHEDULE (C20:FY420) (LEVEL: 1.50M)
BEAM SCHEDULE (C20:FY420) (LEVEL: 3.0M)

SHEET NO.
S-15
17

BEAM SCHEDULE (C20:Fy420) (LEVEL: 3.0m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT				
B14	350	500	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	-	-	CANTILEVERED
B15	350	500	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B16	350	500	4-#16	4-#16	4-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B17	350	500	3-#16	5-#16	3-#16	5-#16 + 2-#16	5-#16 + 2-#16	5-#16 + 2-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B18	350	500	4-#16	4-#16	4-#16	5-#16	5-#16	5-#16 + 2-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B19	200	350	2-#16	2-#16 + 2-#16	2-#16	2-#16 + 2-#16	2-#16 + 2-#16	2-#16 + 2-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B20	350	500	3-#16	3-#16	3-#16	5-#16 + 2-#16	5-#16 + 2-#16	5-#16 + 2-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B21	350	500	3-#16	3-#16	3-#16	5-#16	5-#10	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	-	-	-
B22	350	500	4-#16	4-#16	4-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B23	350	500	4-#16	4-#16	4-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B24	350	500	4-#10	4-#10	4-#10	4-#10	4-#10	4-#10	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	CANTILEVERED
B25	350	500	4-#16	4-#16	4-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B26	350	500	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B27	350	500	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-

1 / S-16 DEPED COMMAND CENTER
BEAM SCHEDULE (C20:FY420) (LEVEL: 3.0M)
SCALE NTS

BEAM SCHEDULE (C20:Fy420) (LEVEL: 6.20m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT				
B1	350	500	3-#16	3-#16	3-#16	4-#16	4-#10	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B2	350	500	3-#16	3-#16	3-#16	4-#16	4-#10	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B3	350	500	3-#16	3-#16	3-#16	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B4	350	500	3-#16	3-#16	3-#16	4-#16	3-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B5	350	500	3-#16	3-#16	3-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B6	350	500	4-#16	4-#16	4-#16	5-#16	5-#16	5-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	CANTILEVERED
B7	350	600	3-#16	5-#16 + 5-#16	3-#16	4-#25 + 4-#16	4-#25 + 4-#16	4-#25 + 4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	CANTILEVERED
B8	350	500	3-#10	3-#10	3-#10	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B9	350	500	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B10	350	500	3-#16	3-#16	3-#16	4-#16	4-#10	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B11	350	500	5-#10	5-#10	5-#10	4-#16	4-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B12	350	500	3-#16	3-#16	3-#16	4-#16	3-#16	4-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B13	350	500	3-#16	3-#16	3-#16	3-#25	3-#16	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B14	350	600	5-#16	5-#16	3-#16	3-#25	3-#16	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B15	350	500	4-#16	4-#16	4-#16	4-#25	4-#25	4-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B16	350	500	3-#16	3-#16	3-#16	4-#25	4-#25	4-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	CANTILEVERED
B17	350	500	4-#16	4-#16	4-#16	3-#16	3-#16	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B18	350	500	5-#16	5-#16 + 2-#16	3-#16	3-#25	3-#16	3-#25	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B19	350	500	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-
B20	350	500	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 2 SETS 10mm @150 - 3 SETS 10mm @190 - REST TO O.C	2-#16EF	-	-
B21	350	500	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	10mm @50 - 2 SETS 10mm @100 - 3 SETS 10mm @150 - 4 SETS 10mm @190 - REST TO O.C	1-#16EF	-	-

2 / S-16 DEPED COMMAND CENTER
BEAM SCHEDULE (C20:FY420) (LEVEL: 6.20M)
SCALE NTS

REPUBLIC OF THE PHILIPPINES
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DEPARTMENT OF EDUCATION
EDUCATION FACILITIES DIVISION
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PROJECT TITLE:
Extension of an Existing Building at the DepEd Central Office for the CO Matatag Center
LOCATION: MERALCO AVENUE, PASIG CITY

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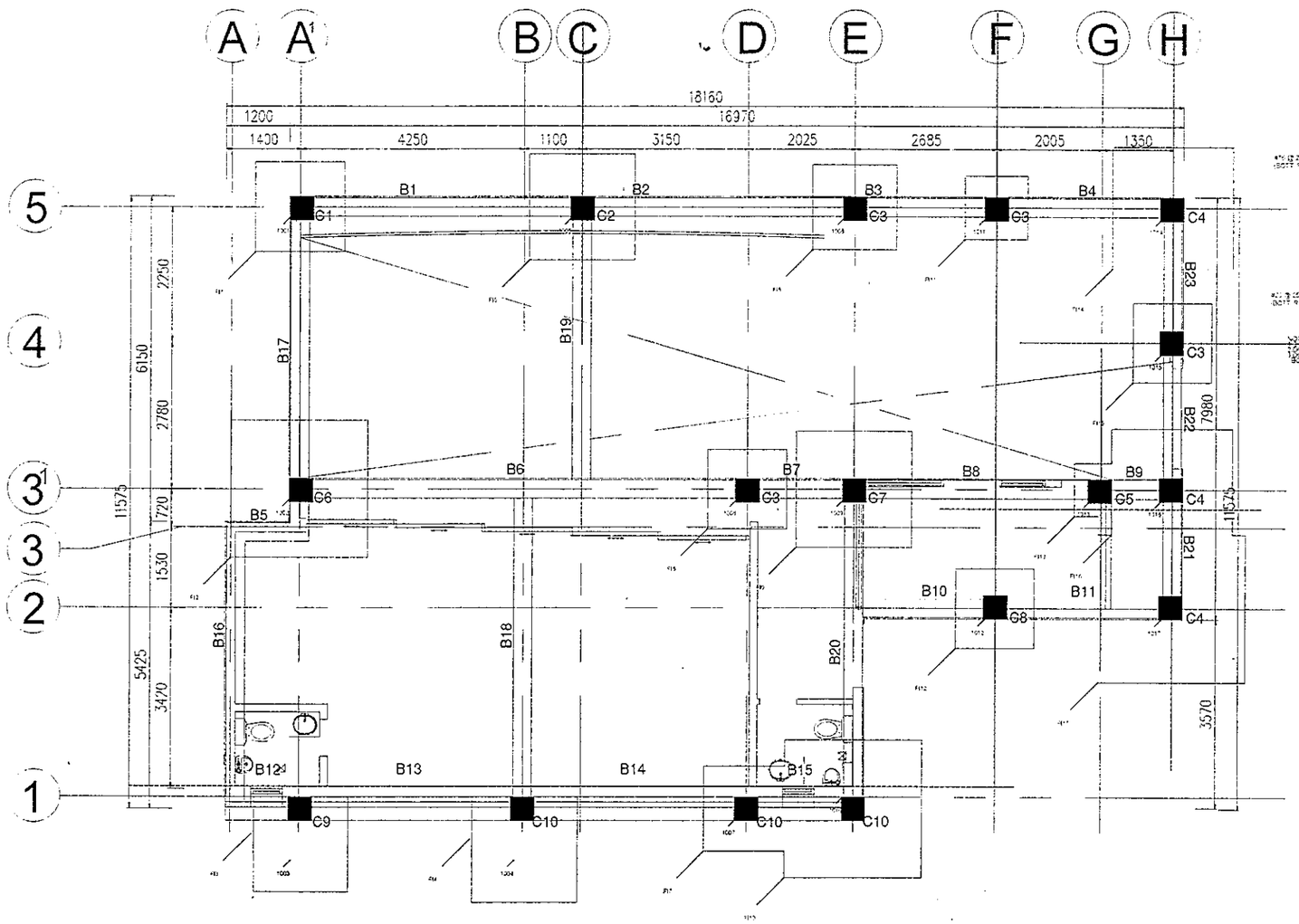
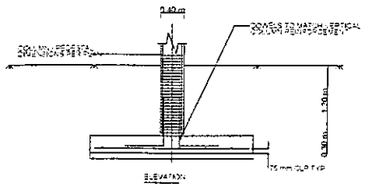
SHEET CONTENTS:
BEAM SCHEDULE (C20:FY420) (LEVEL: 3.0M)
BEAM SCHEDULE (C20:FY420) (LEVEL: 6.20M)

SHEET NO:
S-16
17



1 S-17 DEPED COMMAND CENTER
FOUNDATION PLAN
SCALE 1:100 M



2 S-17 DEPED COMMAND CENTER
TYPICAL FOOTING DETAIL & ELEV.
SCALE 1:100 M

MARK	SIZE	Column Nos.
FI1	1 700 X 1.700 X 0 300	1001
FI2	2.600 X 2.600 X 0 450	1006
FI3	1.800 X 1.800 X 0 300	1009
FI4	2.000 X 2.000 X 0 350	1010
FI5	2.000 X 2.000 X 0 350	1002
FI6	1.500 X 1.500 X 0.250	1003
FI7	1.800 X 1.800 X 0 300	1010
FI8	1.600 X 1.600 X 0 300	1003
FI9	2.200 X 2.200 X 0.400	1007
FI10	2.600 X 2.600 X 0.300	1010
FI11	1 200 X 1 200 X 0.250	1003
FI12	1 500 X 1.500 X 0.250	1005
FI13	1.000 X 1 000 X 0.250	1005
FI14	2 300 X 2.300 X 0.300	1004
FI15	1 500 X 1.500 X 0.250	1003
FI16	2.300 X 2.300 X 0.300	1004
FI17	2.800 X 2.800 X 0.300	1004

3 S-17 DEPED COMMAND CENTER
FOOTING SCHEDULE
SCALE 1:100 M

MARK	DIMENSION (mm)			DEPTH FROM N.G.L. ('D')	REINFORCING BARS		REMARKS
	WIDTH (W)	LENGTH (L)	THICKNESS (t)		PARALLEL TO WIDTH (BAR W)	PARALLEL TO LENGTH (BAR L)	
F - 1	1700	1700	300	1500	6 - 20mmØ	6 - 16mmØ	SQUARE FOOTING
F - 2	2600	2600	300	1500	11- 20mmØ	11 - 16mmØ	SQUARE FOOTING
F - 3	1800	1800	300	1500	7- 16mmØ	7 - 16mmØ	SQUARE FOOTING
F - 4	2000	2000	300	1500	8- 16mmØ	8 - 16mmØ	SQUARE FOOTING
F - 5	2000	2000	300	1500	8- 16mmØ	8 - 20mmØ	SQUARE FOOTING
F - 6	1500	1500	300	1500	6- 16mmØ	6 - 20mmØ	SQUARE FOOTING
F - 7	1600	1600	300	1500	6- 20mmØ	6 - 20mmØ	SQUARE FOOTING
F - 8	1600	1600	300	1500	6- 20mmØ	6 - 20mmØ	SQUARE FOOTING
F - 9	2200	2200	300	1500	9- 20mmØ	9 - 16mmØ	SQUARE FOOTING
F - 10	2600	2600	300	1500	12- 16mmØ	12 - 20mmØ	SQUARE FOOTING
F - 11	1200	1200	300	1500	5- 16mmØ	5 - 20mmØ	SQUARE FOOTING
F - 12	1500	1500	300	1500	6- 16mmØ	6 - 20mmØ	SQUARE FOOTING
F - 13	1000	1000	300	1500	6- 16mmØ	6 - 16mmØ	SQUARE FOOTING
F - 14	2300	2300	300	1500	11- 16mmØ	11 - 16mmØ	SQUARE FOOTING
F - 15	1500	1500	300	1500	6- 16mmØ	6 - 16mmØ	SQUARE FOOTING
F - 16	2300	2300	300	1500	9- 16mmØ	9 - 16mmØ	SQUARE FOOTING
F - 17	2800	2800	300	1500	12- 16mmØ	12 - 20mmØ	SQUARE FOOTING

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SHEET CONTENTS: FOUNDATION PLAN
TYPICAL FOOTING DETAIL & ELEVATION
FOOTING SCHEDULE

SHEET NO.: S-17
17