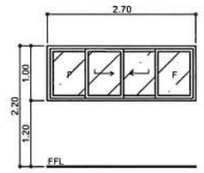
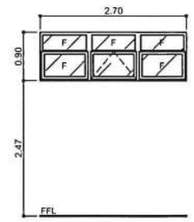


W
1

DESCRIPTION : 2.70 M (W) X 1.00 M (H)
FIXED/SLIDING TYPE WINDOW
- 6 MM THK TEMPERED CLEAR GLASS W/ 8 MIL SECURITY FILM
- 50 MM X 100 MM POWDERED COATED WHITE ALUMINUM FRAME TUBE
- HEAVY DUTY ALUMINUM WINDOW W/ FLUSH HANDLE & LOCK
2.70 M (W) X 1.00 M (H) COMBI BLINDS

LOCATION : FRONT ELEVATION, PROPERTY SUPPLY STORAGE ROOM, ACCOUNTING STORAGE ROOM

REQ'D SET(S) : 13 (THIRTEEN)

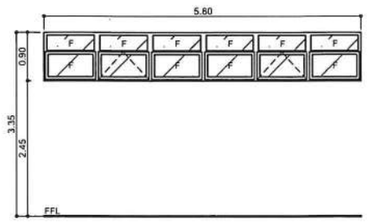


W
2

DESCRIPTION : 2.70 M (W) X 0.90 M (H)
FIXED GLASS TYPE WINDOW
- 6 MM THK TEMPERED CLEAR GLASS W/ 8 MIL SECURITY FILM
- 50 MM X 100 MM POWDERED COATED WHITE ALUMINUM FRAME TUBE
2.70 M (W) X 0.90 M (H) COMBI BLINDS

LOCATION : FRONT ELEVATION, PROPERTY SUPPLY STORAGE ROOM, ACCOUNTING STORAGE ROOM

REQ'D SET(S) : 21 (TWENTY-ONE)

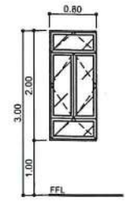


W
3

DESCRIPTION : 5.80 M (W) X 0.90 M (H)
FIXED GLASS TYPE WINDOW
- 6 MM THK TEMPERED CLEAR GLASS W/ 8 MIL SECURITY FILM
- 50 MM X 100 MM POWDERED COATED WHITE ALUMINUM FRAME TUBE
5.80 M (W) X 0.90 M (H) COMBI BLINDS

LOCATION : FRONT ELEVATION

REQ'D SET(S) : 2 (TWO)

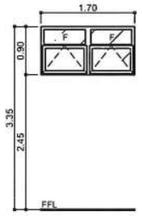


W
4

DESCRIPTION : 0.80 M (W) X 2.00 M (H)
FIXED/CASEMENT TYPE WINDOW
- 6 MM THK TEMPERED CLEAR GLASS W/ 8 MIL SECURITY FILM
- 50 MM X 100 MM POWDERED COATED WHITE ALUMINUM FRAME TUBE
- HEAVY DUTY ALUMINUM WINDOW W/ CAM HANDLE

LOCATION : REAR & LEFT SIDE ELEVATION

REQ'D SET(S) : 16 (SIXTEEN)

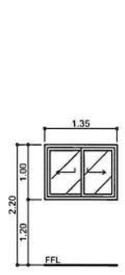


W
5

DESCRIPTION : 1.70 M (W) X 0.90 M (H)
FIXED GLASS TYPE WINDOW
- 6 MM THK TEMPERED CLEAR GLASS W/ 8 MIL SECURITY /FROSTED FILM
- 50 MM X 100 MM POWDERED COATED WHITE ALUMINUM FRAME TUBE
- 1.70 M (W) X 0.90 M (H) COMBI BLINDS

LOCATION : MAINTENANCE STAFF

REQ'D SET(S) : 2 (TWO)

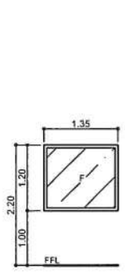


W
6

DESCRIPTION : 1.35 M (W) X 1.00 M (H)
SLIDING TYPE WINDOW
- 6 MM THK TEMPERED CLEAR GLASS W/ 8 MIL SECURITY FILM
- 50 MM X 100 MM POWDERED COATED WHITE ALUMINUM FRAME TUBE
- HEAVY DUTY ALUMINUM WINDOW W/ FLUSH HANDLE & LOCK
1.35 M (W) X 1.00 M (H) COMBI BLINDS

LOCATION : RIGHT SIDE ELEVATION, CHIEF OFFICE

REQ'D SET(S) : 2 (TWO)

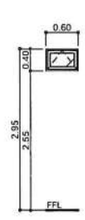


W
7

DESCRIPTION : 1.35 M (W) X 1.20 M (H)
FIXED GLASS TYPE WINDOW
- 6 MM THK TEMPERED CLEAR GLASS W/ 8 MIL SECURITY FILM
- 50 MM X 100 MM POWDERED COATED WHITE ALUMINUM FRAME TUBE
1.35 M (W) X 1.20 M (H) COMBI BLINDS

LOCATION : CHIEF OFFICE

REQ'D SET(S) : 1 (ONE)



W
8

DESCRIPTION : 0.60 M (W) X 0.40 M (H)
AWNING TYPE WINDOW
-6 MM THK TEMPERED CLEAR GLASS W/ 8 MIL SECURITY /FROSTED FILM
- 50 MM X 100 MM POWDERED COATED WHITE ALUMINUM FRAME TUBE
- HEAVY DUTY ALUMINUM WINDOW W/ CAM HANDLE

LOCATION : RIGHT SIDE ELEVATION, PANTRY TOILETS, CHIEF OFFICE REST ROOM, ADMINISTRATIVE DEPARTMENT RESTROOM

REQ'D SET(S) : 6 (SIX)

1 / A-12 SCHEDULE OF WINDOWS

SCALE: 1:50 MTS

CPDMO
U.P. MANILA

CAMPUS PLANNING DEVELOPMENT & MAINTENANCE OFFICE
P. Faura Street, Ermita, Manila
Tel. No. 525-2333
Telefax No. 526-8420

GOVERNMENT ARCHITECT OF RECORD :
AR. LEONARD P. CORDERO
ADMINISTRATIVE OFFICER V
PRC NO : 13507 | PTR NO : MLA 8076033
TIN NO : 194-494-182 | ISSUED ON : JULY 19, 2019
SAPOA : 08773 253793 040319 | ISSUED AT : MANILA

ENDORSED BY:
AR. ROSALIE G. FLORES-BERNARDO
CHIEF, CPDMO

PROJECT TITLE:
P R O P O S E D
RENOVATION OF THE CAMPUS PLANNING DEVELOPMENT AND MAINTENANCE OFFICE
UNIVERSITY OF THE PHILIPPINES MANILA

RECOMMENDING APPROVAL:
MICHAEL L. TEE, MD, MHPEd, MBA
VICE CHANCELLOR FOR PLANNING & DEVELOPMENT
ARLENE A. SAMANIEGO, MD
VICE CHANCELLOR FOR ADMINISTRATION

APPROVED:
CARMENCITA D. PADILLA, MD, MAHPS
PROFESSOR AND CHANCELLOR

SHEET CONTENT:
SCHEDULE OF WINDOWS

DATE ISSUED:
DATE COMPLETED:
REVISION NO./DATE:
REF. NO.:
CADD BY: | DWG FILE:

SHEET NO.:
A-12
12 OF 12

CONSTRUCTION NOTES

GENERAL NOTES:

A. IN THE INTERPRETATION OF THESE DRAWINGS, INDICATED DIMENSIONS SHALL GOVERN AND DISTANCES OR SIZES SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.

B. REINFORCING BARS FOR CONCRETE EXPOSED TO WEATHER SHALL BE PROTECTED WITH AT LEAST 75MM CLEAR DISTANCE AND IN NO CASE LESS 40MM CONCRETE. THESE CONDITIONS MAY BE WAIVED WHEN ADEQUATE WATERPROOFING IS PROVIDED.

C. REINFORCING BARS SHALL BE DEFORMED CONFORMING TO ASTM A615 BILLET STEEL AS FOLLOWS:
16MMØ BARS AND LARGER SHALL BE HIGH GRADE WITH MINIMUM Fy = 414 MPA (60,000PSI)
12MMØ BARS AND SMALLER SHALL BE INTERMEDIATE GRADE WITH Fy = 276 MPA (40,000PSI)
IF BENDING AND WELDING ARE IMPORTANT, DEFORMED BAR SHALL CONFORM TO ASTM A706 LOW ALLOY GRADE 414 STEEL BAR.

D. ALL CONCRETE WORKS SHALL BE DONE IN ACCORDANCE ACI-318-95 BUILDING CODE FOR REINFORCED CONCRETE AND ALL STRUCTURAL STEEL WORKS SHALL BE DONE IN ACCORDANCE WITH THE AISC SPECIFICATIONS AS IT DOES NOT CONFLICT WITH THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP-C101-1) REQUIREMENTS.

E. SLAB ON FILL MUST NOT BE PLACED UNLESS FILL HAS BEEN PROPERLY COMPACTED. ALL SLAB ON FILL SHALL BE PROVIDED WITH 100MM THICK WELL COMPACTED CLEAN COARSE SAND BED EXCEPT IN DRIVEWAYS WHERE IT SHALL BE 150MM. BACK FILL OF ALL EXCAVATED AREAS AND THE PREPARATION OF SUB-BASE SHALL BE WELL COMPACTED AT LEAST 95% OF THE STANDARD PROCTOR DENSITY BEFORE WELL COMPACTED CLEAN COARSE SAND ARE LAID.

F. THE CONTRACTOR SHALL COORDINATE WITH THE AR, ME, SE, AND EE PLAN AS TO THE EXACT SIZES AND LOCATION OF THE HOLES THRU FLOOR SLABS AND WALLS.

G. CONTRACTOR TO PROVIDE SHOP DRAWINGS + BAR CUTTING LIST FOR APPROVAL OF THE STRUCTURAL ENGINEER.

NOTES ON CONCRETE MIXES & PLACING:

A. UNLESS OTHERWISE INDICATED IN PLANS OR NOTED IN THE STRUCTURAL SPECIFICATIONS, THE MINIMUM 28 DAYS COMPRESSIVE CYLINDER STRENGTH OF CONCRETE SHALL BE AS FOLLOWS:

1. FOR SUSPENDED SLABS, BEAMS, AND GIRDERS	21 MPA (3,000 PSI)
2. FOR COLUMNS AND PEDESTAL	21 MPA (3,000 PSI)
3. FOR RETAINING WALLS	21 MPA (3,000 PSI)
4. FOR FOOTING TIE BEAMS	21 MPA (3,000 PSI)
5. FOR PARAPET WALLS, GUTTERS AND OTHER STRUCTURAL ELEMENTS	21 MPA (3,000 PSI)
6. FOR SLAB ON GRADE, CURTAIN WALLS, BEDDED SLAB, SIDEWALKS	17 MPA (2,500 PSI)
7. FOR NON STRUCTURAL ELEMENTS	17 MPA (2,500 PSI)

B. CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION, REHANDLING OR FLOWING. PLACING SHALL BE DONE PROPERLY WITH BUGGIES, BUCKETS OR WHEEL-BORROWS. NO CHUTES SHALL EXCEED SIX (6) METERS AGGREGATE LENGTH.

C. NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED BY THE DESIGNER IN WRITING.

NOTES ON CONCRETE SLABS:

A. ALL REINFORCEMENTS SHALL BE PROVIDED WITH 20MM CLEAR CONCRETE COVER EXCEPT FOR SLAB ON GRADE WHERE REINFORCEMENT SHOULD BE PLACED AT THE CENTER OF THE SLAB THICKNESS.

B. UNLESS OTHERWISE DETAILED IN CONTINUOUS SLABS HAVING SAME REINFORCEMENTS RUNNING IN ONE DIRECTION, REINFORCING BARS SHALL BE BENT UP OR EXTENDED AS SHOWN IN FIGURE 1.

C. FOR TWO-WAY SLABS, BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THE LONGER SPAN BARS AT CENTER AND ABOVE THE LONGER SPAN BARS AT THE SUPPORTS. THE SPACING OF BARS AT THE COLUMN STRIP SHALL BE 1.5 TIMES THE SPACING IN THE MIDDLE STRIP, BUT IN ANY CASE GREATER THAN 2.5 THE SLAB THICKNESS OR 450MM.

D. TEMPERATURE BARS OF SUSPENDED SLABS SHALL BE PLACED ABOVE THE MAIN REINFORCEMENT AT MIDSPAN AND SHALL BE BELOW THE MAIN REINFORCEMENT AT THE SUPPORTS.

E. UNLESS OTHERWISE NOTED, ALL BENDS SHALL BE REINFORCED WITH 10MMØ AT 0.25 MOC EW AT CENTER OF SLAB. SLAB CONSTRUCTION JOINTS SHALL NOT BE MORE THAN 3.0M.

F. WHENEVER REQUIRED, DROP SLAB SHALL BE ADDITIONALLY REINFORCED AS SHOWN IN FIGURE 2.

G. EXTRA REINFORCEMENTS SHALL BE PROVIDED AT CORNER SLAB AS SHOWN IN FIGURE 3.

H. UNLESS NOTED IN THE PLAN, ALL OPENNINGS SHALL BE REINFORCED ALL AROUND BY 2-16MMØ BAR AT THE TOP AND BOTTOM OF THE SLAB.

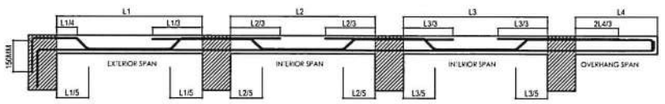


FIG. 1. TYPICAL DETAIL OF SLAB

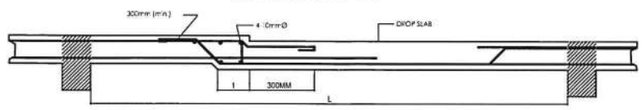


FIG. 2. TYPICAL DETAIL OF DROP SLAB

TABLE 1. SCHEDULE OF TEMPERATURE BARS	
THICKNESS	MINIMUM TEMPERATURE BARS
100mm	10mmØ @ 400mm O.C.
125mm	10mmØ @ 300mm O.C.
150mm	10mmØ @ 250mm O.C.

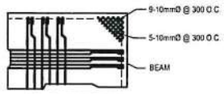


FIG. 3. CORNER SLAB

NOTES ON REINFORCED CONCRETE BEAMS & GIRDERS

A. UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS, CAMBER ALL BEAMS AND GIRDERS AT LEAST 6MM FOR EVERY 4.5M OF SPAN EXCEPT CANTILEVERS FOR WHICH CAMBERS SHALL BE NOTED IN THE PLANS OR AS ORDERED BY THE DESIGNER BUT IN CASE LESS THAN 20MM FOR EVERY 3M OF SPAN.

B. TYPICAL BAR BENDING AND CUTTING DETAILS FOR INTERMEDIATE BEAMS AND GIRDERS ARE SHOWN IN FIGURE 4 AND FIGURE 5 RESPECTIVELY. MAIN REINFORCING BARS SHALL HAVE A STANDARD HOOK OF 90 DEGREE BEND PLUS 12 TIMES THE DIAMETER OF THE BAR EXTENSION AT ITS FREE END.

C. IF BEAM REINFORCEMENT ENDS IN A WALL, THE CLEAR DISTANCE FROM THE BAR TO THE FARTHEST FACE OF THE WALL SHALL NOT BE LESS THAN 50MM. MINIMUM EMBEDMENT LENGTH SHALL BE AS SHOWN IN TABLE 2.

D. IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USE SEPARATORS OF SIZE EQUAL TO THE BAR DIAMETER BUT NOT LESS THAN 25MM SPACED AT 900MM ON CENTERS. IN NO CASE SHALL BE LESS THAN TWO SEPARATORS BETWEEN LAYERS OF BARS.

E. WHEN BEAM CROSSES A GIRDER, REST BEAM BARS ON TOP OF THE GIRDE BARS. REINFORCING BARS SHALL BE SYMMETRICAL ABOUT THE CENTERLINE WHENEVER POSSIBLE. UPPER BARS SHALL BE PLACED DIRECTLY ABOVE THOSE BARS IN THE BOTTOM LAYERS.

F. NO SPLICE SHALL BE PERMITTED ON BEAMS WHERE CRITICAL BENDING OCCURS. LENGTH OF LAP SPLICE WHERE PERMITTED SHALL BE AS SHOWN IN TABLE 2. WELD SPLICE SHALL BE DEVELOP IN TENSION AT LEAST 125% OF THE SPECIFIED YIELD STRENGTH OF BAR. NOT MORE THAN 50% OF THE BARS AT ANY ONE SECTION SHALL BE ALLOWED TO SPLICE THEREIN. A TYPICAL WELDED SPLICE DETAIL IS SHOWN IN FIGURE 7.

G. FOR ALL BEAMS, ALWAYS FIT THE REINFORCEMENTS IN ONE LAYER WHENEVER POSSIBLE. WHENEVER BEAM IS SUPPORTING A PLANTED COLUMN, BOTTOM BAR AT MIDSPAN OF THE BEAM SHALL CONTINUE UP TO THE SUPPORTS.

H. FOR GIRDERS, HOOPS SHALL BE USED WITHIN THE DISTANCE TWICE OF THE GIRDER DEPTH, BEYOND IT, STIRRUPS WITH SEISMIC HOOKS MAY BE USED. WITHIN THE SPLICED LENGTH, 10MMØ HOOPS SHALL BE PROVIDED AT 0.10MOC.

I. INDIVIDUAL BARS WITHIN A BUNDLE SHALL TERMINATE AT DIFFERENT POINTS WITH AT LEAST 40 TIMES THE BAR DIAMETER STAGGER.

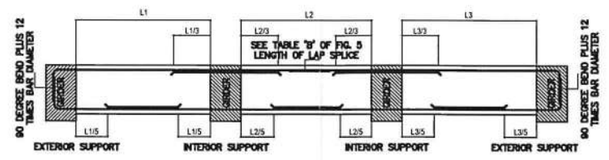


FIG. 4. TYPICAL DETAIL OF INTERMEDIATE BEAM

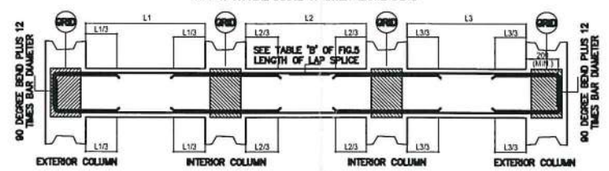
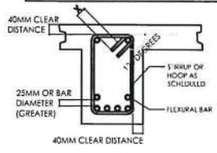


FIG. 5. TYPICAL DETAIL OF GIRDER

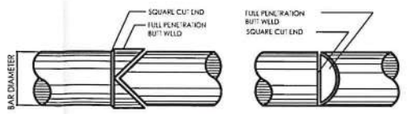
TABLE 2. DEVELOPMENT LENGTH																		
BAR SIZE ASTM A615	BAR IN TENSION												BAR IN COMPRESSION					
	FOR Fy = 275 MPA						FOR Fy = 414 MPA						FOR Fy = 275 MPA			FOR Fy = 275 MPA		
	f'c = 21 MPA		f'c = 28 MPA		f'c = 35 MPA		f'c = 21 MPA		f'c = 28 MPA		f'c = 35 MPA		f'c = 21 MPA	f'c = 28 MPA	f'c = 35 MPA	f'c = 21 MPA	f'c = 28 MPA	f'c = 35 MPA
	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2						
10mmØ	300	450	250	375	250	350	450	650	400	575	350	500	200	200	200	250	200	200
12mmØ	350	550	300	450	300	400	550	800	475	700	425	625	200	200	200	300	250	250
16mmØ	475	750	425	600	375	550	750	1050	650	925	575	825	250	250	250	350	350	300
20mmØ	600	900	525	750	475	700	900	1300	800	1150	700	1025	300	300	250	450	400	350
25mmØ	900	1375	800	1200	700	1050	1375	2050	1200	1800	1050	1600	400	350	300	550	500	450
28mmØ	1025	1550	900	1325	800	1200	1550	2300	1325	2000	1200	1800	450	400	350	650	550	500
32mmØ	1175	1750	1000	1525	900	1350	1750	2625	1525	2275	1350	2050	500	450	400	750	650	550

NOTES: 1.0 FOR REINFORCING BARS IN TENSION WITH STANDARD HOOK AT ITS END, DEVELOPMENT LENGTH MAY BE DIVIDED BY 2.50.
2.0 CASE 1 IS FOR BARS WITH CLEAR SPACING NOT LESS THAN THE BAR DIAMETER OR EITHER LESS THAN 25MM OTHERWISE, CASE 2 SHALL BE USED.



NOTE: "X" SHALL BE THE LARGER OF 6 TIMES BAR DIAMETER OR 75MM

FIG. 6. TYPICAL SECTION OF BEAM



WELDING OF REINFORCEMENT TO BE IN ACCORDANCE WITH AWS D12-1-6 SPECIFICATIONS

FIG. 7. TYPICAL WELD SPLICE DETAIL

NOTES ON REINFORCED CONCRETE COLUMN:

A. BEAM-COLUMN JOINTS SHALL BE PROVIDED BY A HOOP AT 0.1MOC. THE NUMBER OF SETS FOR SUCH HOOPS SHALL BE THE SAME IN THE CONFINED REGION AS SCHEDULED.

B. WHERE COLUMN CHANGES IN SIZE, VERTICAL REINFORCEMENT SHALL BE OFFSET AT A SLOPE OF NOT MORE THAN 1:6 AND EXTRA 10MMØ HOOPS AT 0.10MOC SHALL BE PROVIDED THROUGHOUT THE OFFSET REGION.

C. SPLICE SHALL BE ALLOWED ONLY WITHIN THE CENTER HALF OF THE CLEAR COLUMN HEIGHT. SPLICE LENGTH SHALL BE PROVIDED WITH A HOOP SPACED AT 0.10MOC. SPLICE LENGTH SHALL BE CONSIDERED AS TENSION SPLICE AS PRESENTED IN TABLE 2.

D. COLUMN TIES AND SPIRAL SHALL BE PROVIDED WITH MINIMUM CLEAR CONCRETE COVER OF 40MM. VERTICAL BARS SHALL HAVE A CLEAR DISTANCE OF 1.5 TIMES BAR DIAMETER OR 40MM WHICHEVER IS LARGER.

E. CONFINED REGION SHALL BE EQUAL TO THE LARGER OF THE FOLLOWING:
1.0 450MM
2.0 BIGGER COLUMN DIMENSION
3.0 (CLEAR COLUMN HEIGHT)/16

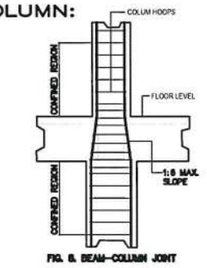


FIG. 8. BEAM-COLUMN JOINT

NOTES ON STRUCTURAL STEEL:

A. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL UNLESS OTHERWISE SHOWN OR NOTED.

B. ALL STRUCTURAL STEEL INCLUDING THAT OF GUSSET PLATES SHALL EE ASTM A36 STEEL WITH YIELD STRENGTH OF Fy = 248 MPA.

C. ALL BOLTS AND THREADED FASTENERS SHALL BE ASTM A325.

D. ALL WELDS SHALL BE E70XX ELECTRODE AND SHALL DEVELOP AT LEAST 100% OF THE STRENGTH OF THE CONNECTED MEMBERS.

E. THE CONTRACTOR SHALL SUBMIT TO THE STRUCTURAL ENGINEER THE SHOP/FABRICATION DRAWINGS FOR APPROVAL BEFORE ANY WORKS SHALL COMMENCE.

F. ALL DOUBLE ANGLE STRUCTURAL MEMBERS MUST BE PROVIDED WITH FILLER PLATES AT 0.30MOC MAXIMUM SPACING.

G. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL HAVE AT LEAST TWO COATS OF RED LEAD OR ZINC CHROMATE PRIMER PAINT.

H. ALL TRUSSES, BEAMS, AND GIRDERS, MUST BE PROVIDED WITH A CAMBER AT THE RATE OF 3MM FOR EVERY 3.0M OF CLEAR SPAN IN A PARABOLIC LAYOUT.

NOTES ON FOUNDATIONS:

A. ALL FOOTINGS WERE DESIGNED BASED ON THE ALLOWABLE SOIL BEARING CAPACITY OF 150 KPA. THE CONTRACTOR SHALL REPORT IN WRIING TO THE DESIGNER THE ACTUAL SOIL CONDITION AT THE LEVEL OF THE FOOTING AND CONFIRM THE ACTUAL SOIL BEARING CAPACITY BEFORE DEPOSIING CONCRETE.

B. NO FOOTING SHALL REST ON UNCOMPACTED FILL NOR LOOSE SOIL. ALL FOOTINGS SHOULD REST AT LEAST 1.0 BELOW THE GROUND. THE MINIMUM CONCRETE PROTECTION FOR REINFORCEMENTS SHALL BE 75MM CLEAR.

C. ALL COLUMN REINFORCEMENTS SHALL REST ABOVE THE BOTTOM REINFORCEMENTS OF THE FOOTING WITH 90-DEGREE BEND PLUS 12 TIMES BAR DIAMETER EXTENSION AT THE FREE END BUT NOT LESS THAN 300MM. HOOPS IN THE COLUMN SHALL CONTINUE BELOW THE TOP OF THE FOOTING AT 0.10MOC.

NOTES ON CHB WALLS:

A. ALL CHB WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 450 PSI AND SHALL BE REINFORCED AS PRESENTED IN TABLE 3.

B. MIMUM LAP LENGTH OF SPLICE SHALL BE 250MM.

C. PROVIDE RIGTH ANGLED REINFORCEMENT AT CORNERS, 900MM LONG.

D. PROVIDE BEAMS BLOCKS AT EVERY 10TH LAYER OF CHB AND A POST AT EVERY 3.0M. SEE FIGURE 9 AND FIGURE 10.

E. WHERE CHB WALLS ADJOIN COLUMNS, RC BEAMS, AND RC WALLS, DOWELS WITH THE SAME SIZE AS THE VERTICAL OR HORIZONTAL REINFORCEMENTS SHALL BE PROVIDED.

TABLE 3. SCHEDULE OF CHB REINFORCEMENTS		
BLOCK THICKNESS	HORIZONTAL REINFORCEMENTS	VERTICAL REINFORCEMENTS
100mm	10mmØ @ 600mm O.C.	10mmØ @ 600mm O.C.
125mm	10mmØ @ 600mm O.C.	10mmØ @ 600mm O.C.
150mm	10mmØ @ 400mm O.C.	10mmØ @ 400mm O.C.
200mm	10mmØ @ 400mm O.C.	10mmØ @ 400mm O.C.

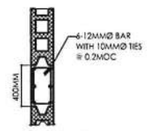


FIG. 9. TYPICAL DETAIL OF POST

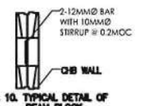


FIG. 10. TYPICAL DETAIL OF BEAM BLOCK

DESIGN CODES AND REFERENCES:

A. NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP C 101-01 AND NSCP C 102-97)

B. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-05

C. DESIGN OF CONCRETE BUILDINGS FOR EARTHQUAKE AND WIND FORCES 2ND EDITION, S. K. GOSH, A. W. DOMEL, D. A. FANELLA.

D. AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL

E. HANDBOOK OF STRUCTURAL STEEL CONNECTION DESIGN AND DETAILS BY A. R. TAMBOLI

F. DESIGN OF REINFORCED CONCRETE, FIFTH EDITION BY MC CORMAC

E. PCI DESIGN HANDBOOK, PRECAST AND PRESTRESS CONCRETE, FOURTH EDITION

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AR. LEONARD P. CORDERO
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ENDORSED BY:
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SHEET CONTENT: GENERAL NOTES

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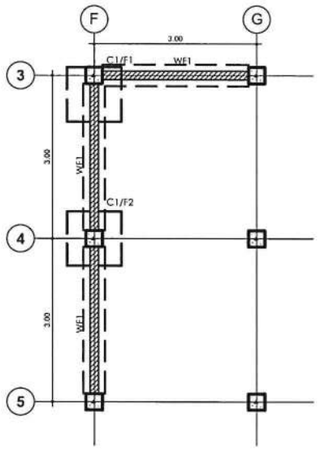
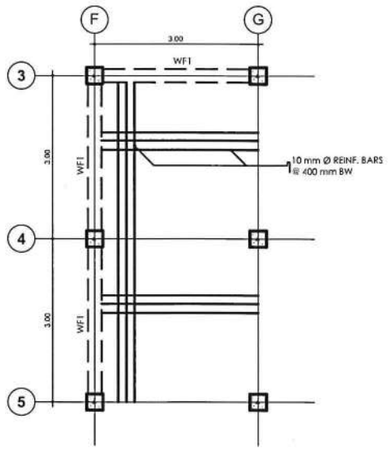
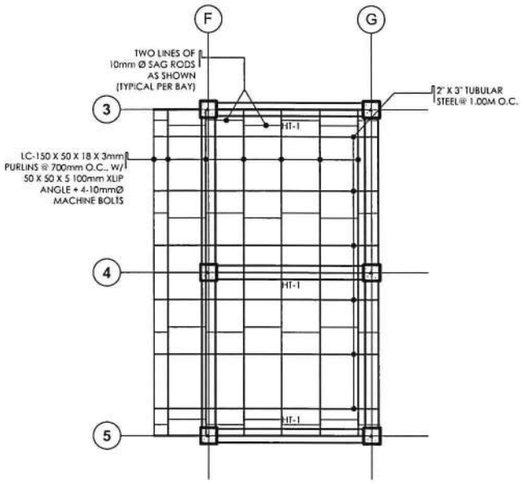


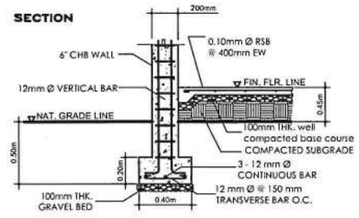
1 S-2 **FOUNDATION FRAMING PLAN**
SCALE : 1 : 50 MTS



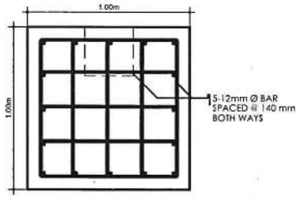
2 S-2 **GROUND FLOOR FRAMING PLAN**
SCALE : 1 : 50 MTS



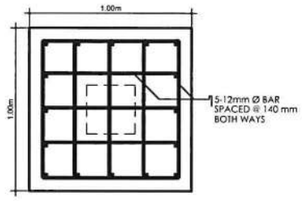
3 S-2 **ROOF FRAMING PLAN**
SCALE : 1 : 50 MTS



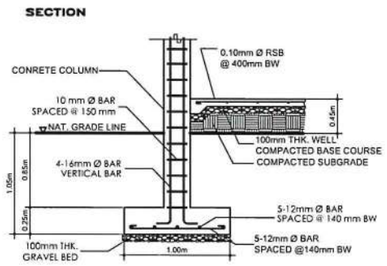
4 S-2 **TYPICAL WALL FOOTING DETAIL**
SCALE : NTS



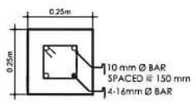
5 S-2 **FOOTING F-1 DETAIL**
SCALE : NTS



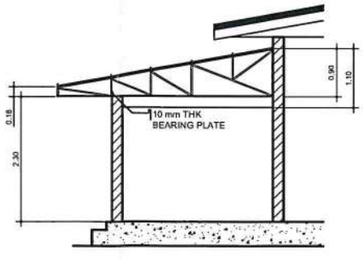
6 S-2 **FOOTING F-2 DETAIL**
SCALE : NTS



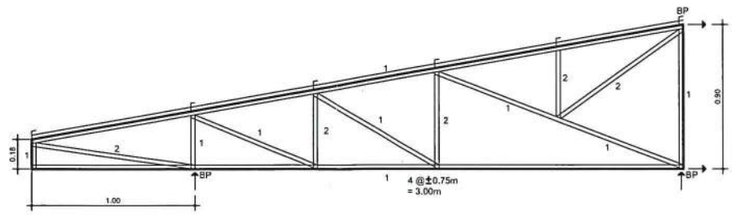
7 S-2 **TYPICAL FOOTING DETAIL**
SCALE : NTS



8 S-2 **COLUMN C-1 DETAIL**
SCALE : NTS



9 S-2 **DETAILED SECTION**
SCALE : 1:50MTS



MARK	DESIGNATION
1	2LS 1-½ X 1-½ X ¼
2	L 1-½ X 1-½ X ¼

BASE PLATE = ¾" THK X 250mm x 250mm
ANCHOR BOLTS = 4 - 12mm Ø x 250mm
PURLINS = 2" X 4" Ga. # 14 @ EVERY JOINT

10 S-2 **TRUSS DETAIL**
SCALE : NTS

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SHEET CONTENT:
FOUNDATION FRAMING PLAN
GROUND FLOOR FRAMING PLAN
ROOF FRAMING PLAN
DETAIL OF WALL FOOTING
DETAIL OF COLUMN
DETAIL OF FOOTING
DETAILED SECTION
TRUSS DETAIL

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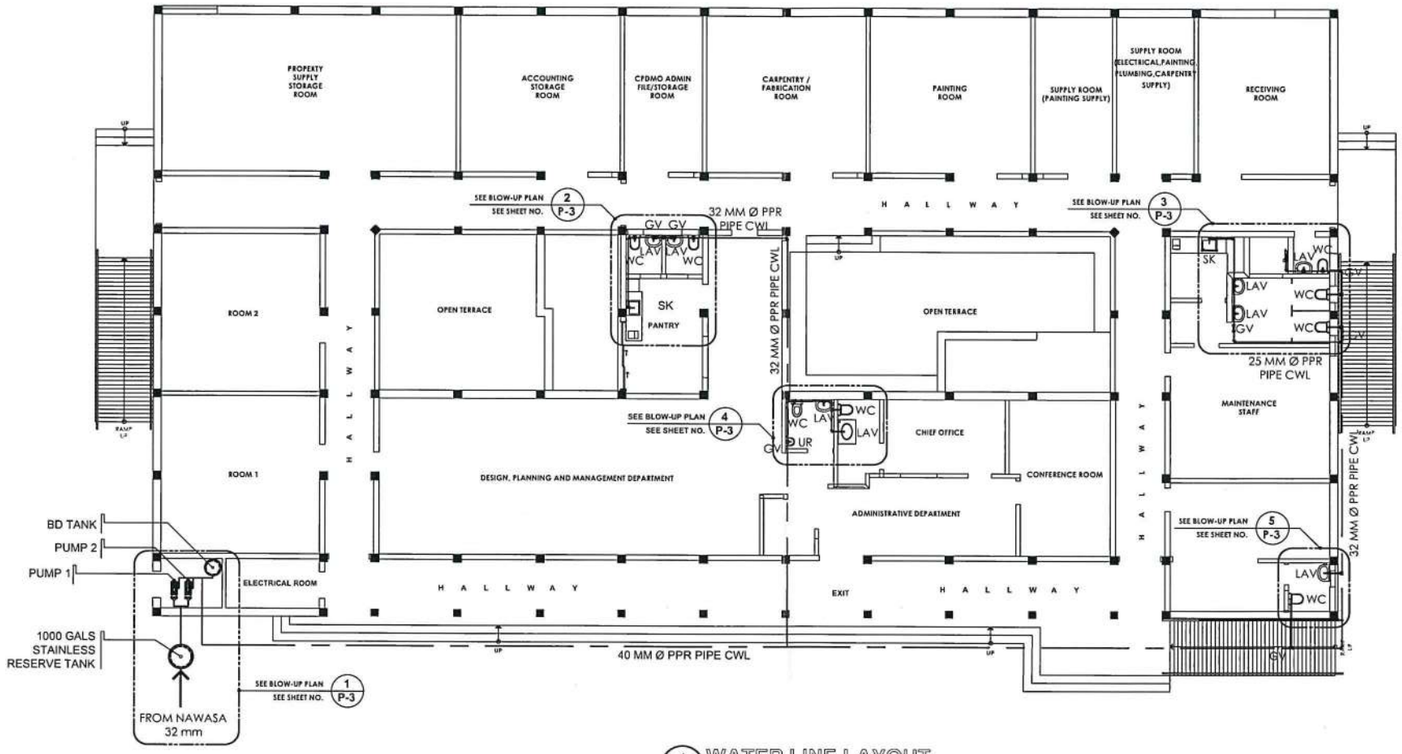

1 P-1 **WATER LINE LAYOUT**
SCALE: 1:100 MTS

GENERAL NOTES:

1.0 ALL PLUMBING WORKS INCLUDED SHALL BE EXECUTED IN ACCORDANCE TO THE PROVISION OF THE PHILIPPINE PLUMBING CODE, THE NATIONAL BUILDING CODE AND THE RULES AND REGULATIONS OF THE LOCAL MUNICIPALITY.
2.0 COORDINATE THE DRAWINGS WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE ENGINEER AND/OR THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND HEREIN.
3.0 ALL PIPES SHALL BE INSTALLED AS INDICATED, ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF THE PLUMBING WORK SHALL BE WITH PRIOR APPROVAL OF THE ENGINEER AND/OR THE ARCHITECT.
4.0 PROPOSED SANITARY UTILITIES SHALL COMFORME THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATIONS OF ALL EXISTING PIPES & STRUCTURES AS VERIFIED BY THE CONTRACTOR.
5.0 ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN ONE PERCENT (0.01) AND ONE-HALF PERCENT (0.005) MINIMUM UNLESS OTHERWISE SPECIFIED
6.0 WATER SUPPLY PIPE TO THE FIXTURE SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7.0 ALL BRANCHES OF FIXTURE OR GROUP OF FIXTURES SHALL BE PROVIDED WITH AIR CHAMBER MADE CAPPED VERTICAL EXTENTION PIPE.
8.0 ALL WATER LINES SHALL BE HYDROSTATICALLY TESTED @ 100 PSI FOR A PERIOD OF TWO (2) HOURS BEFORE BURIED OR COVERED. GALVANIZED IRON (G.I.) PIPES DIRECTLY IN CONTACT WITH THE SOIL SHALL BE PROVIDED WITH TWO COATS OF MELTED ASPHALT.
9.0 THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES @ SITE AND COORDINATE THE WORK WITH THE SEWER AND STORM DRAINAGE LINE EFFLUENT DISPOSAL POINT AND WATERLINE SERVICE CONNECTING/TAPPING POINT.
10.0 ALL PIPES SIZES AND OTHER DIMENSIONS ARE IN MILLIMETER (MM) UNLESS OTHERWISE SPECIFIED AND ARE INDICATIVE OF INSIDE DIAMETER.

LEGEND:	SPECIFICATION:
CWL	COLD WATER LINE
GV	GATE VALVE
M	WATER METER
CV	CHECK VALVE
WC	WATER CLOSET
LAV	LAVATORY
SK	SINK
UR	URINAL
F	FAUCET
HB	HOSE BIBB

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SHEET CONTENT:
GROUND FLOOR WATER LINE LAYOUT

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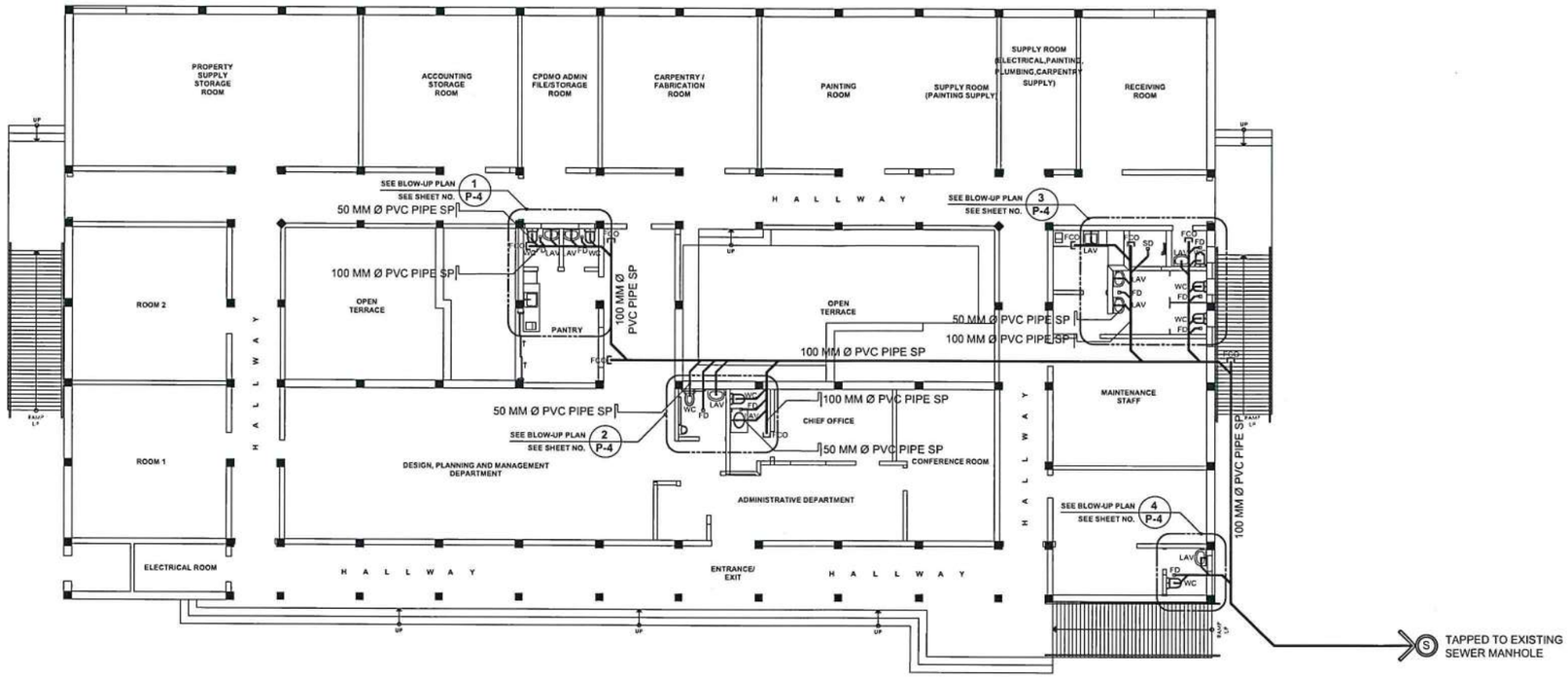

1 P-2 SANITARY LINE LAYOUT
SCALE: 1:100 MTS

LEGEND:	SPECIFICATION:
SP	SOIL PIPE
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
S	SEWER
WC	WATER CLOSET
LAV	LAVATORY
SK	SINK
UR	URINAL
F	FAUCET
HB	HOSE BIBB

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