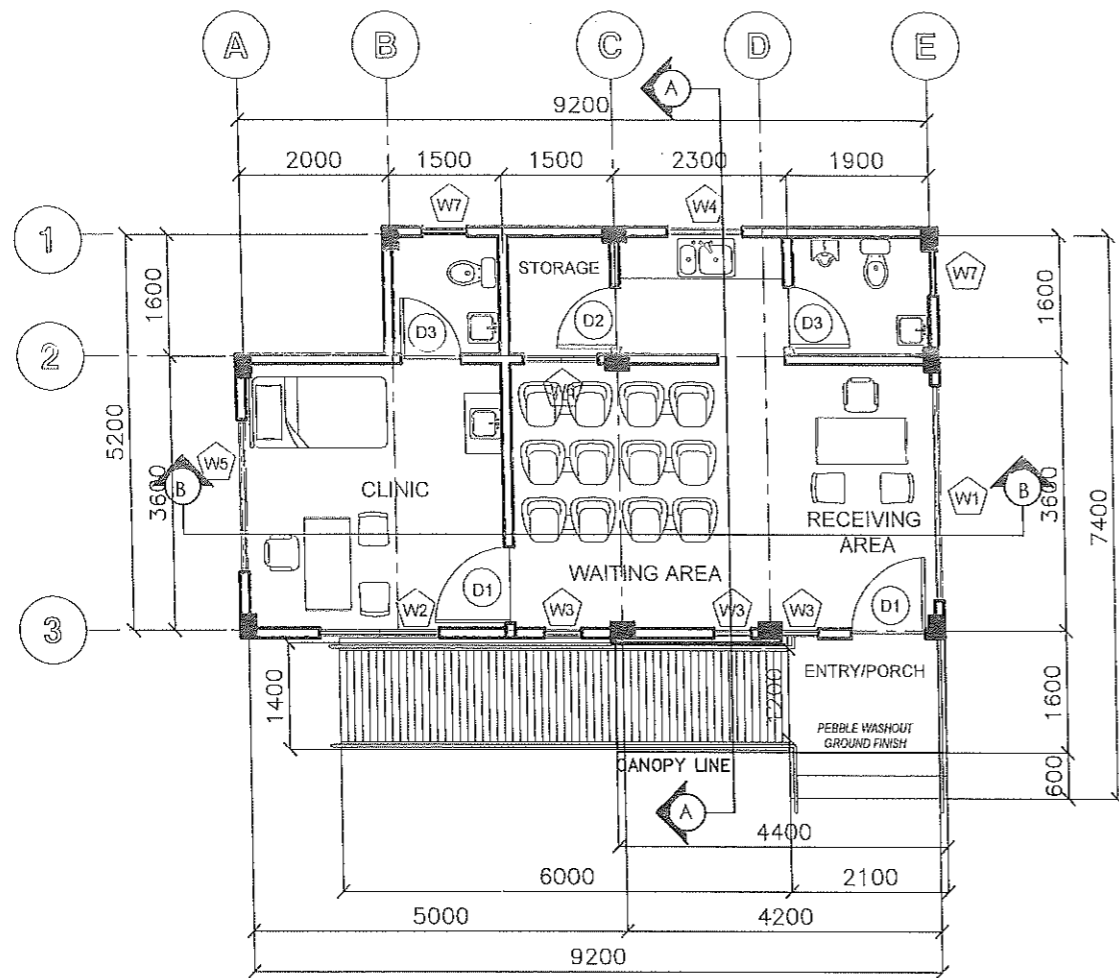




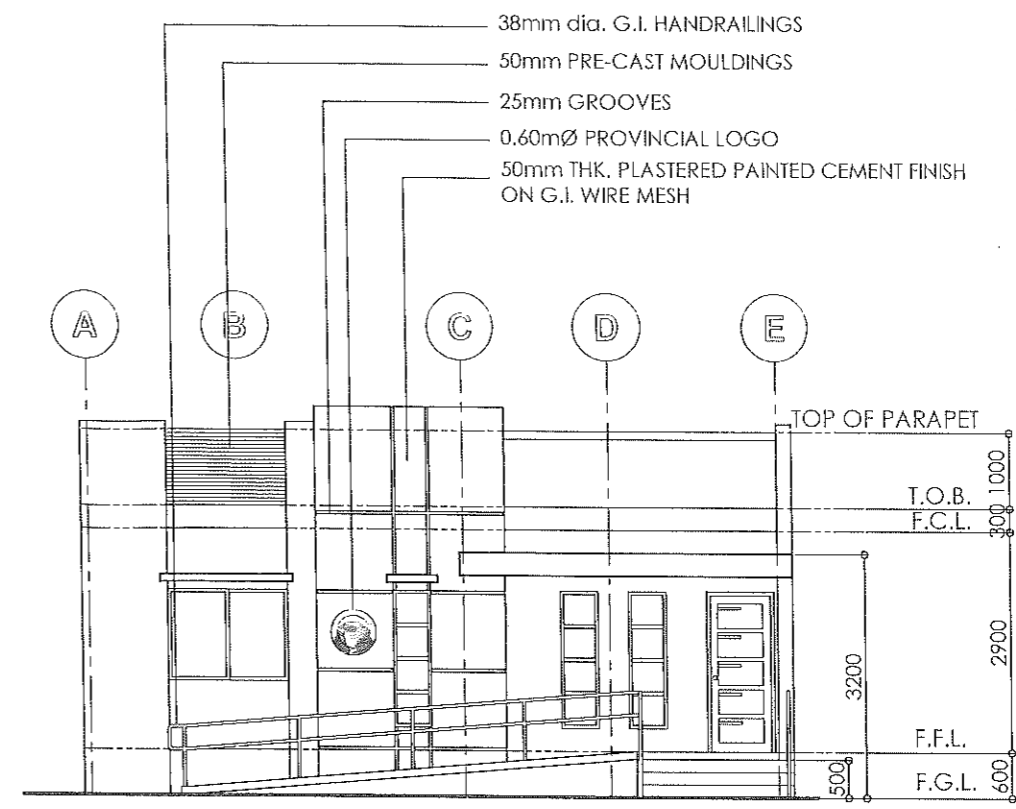
VICINITY MAP
SCALE NTS

1 PERSPECTIVE
A1 SCALE NTS

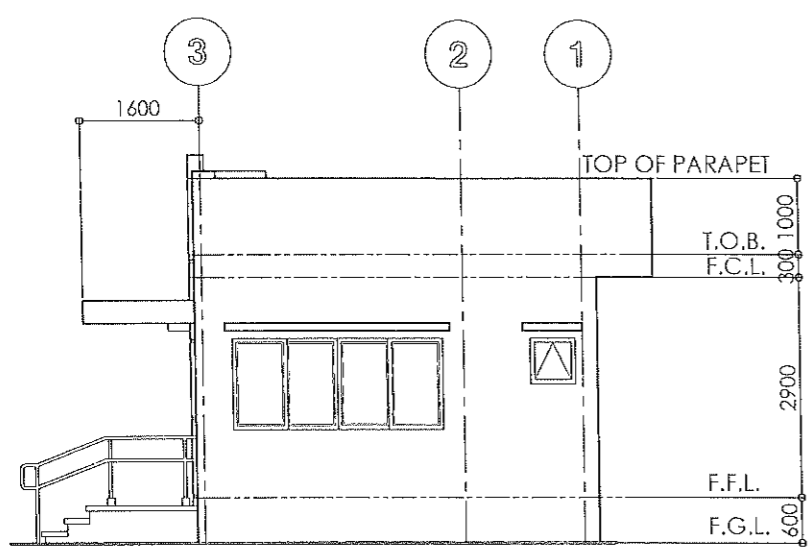
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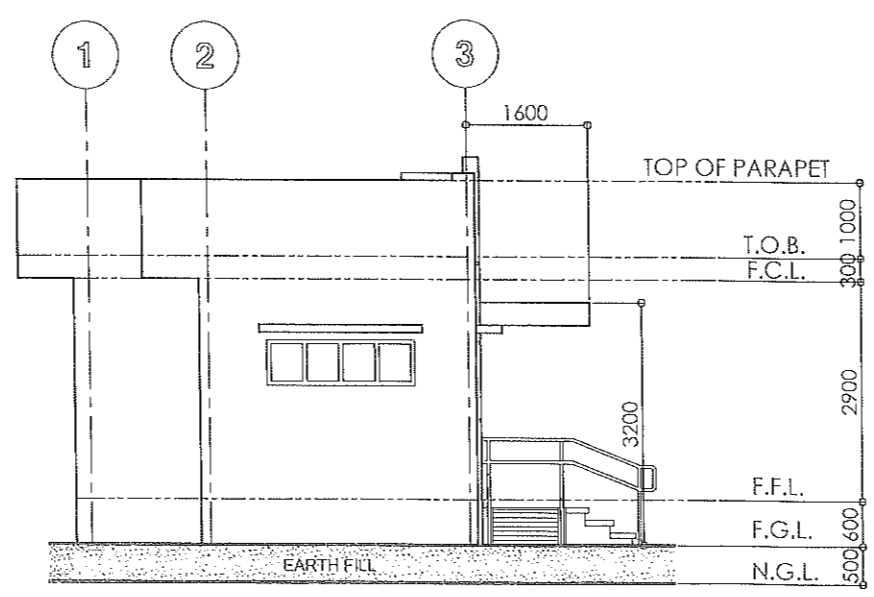
1 FLOOR PLAN
SCALE 1:100M



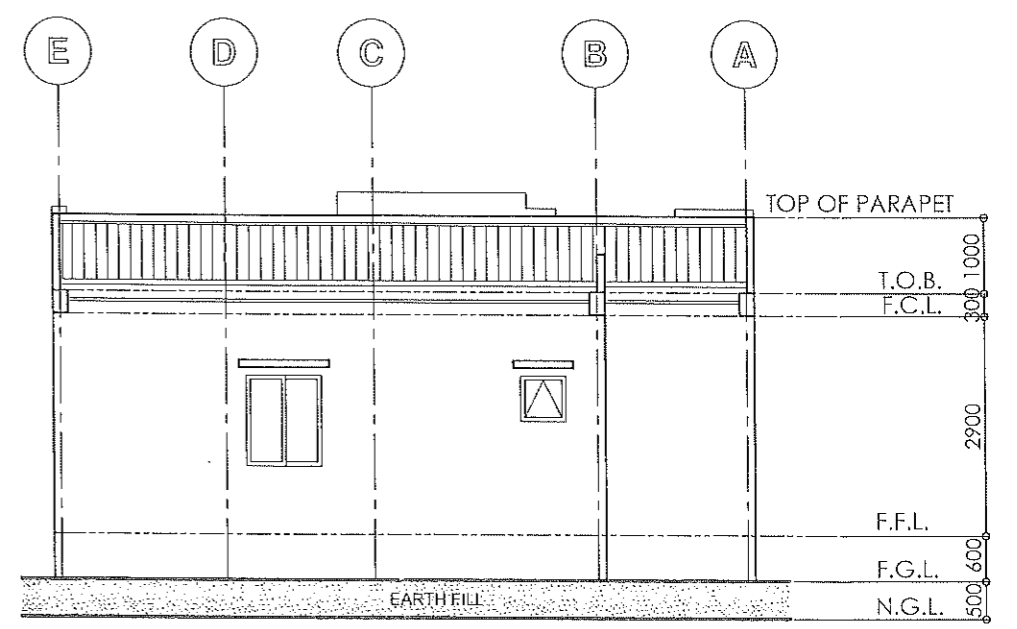
2 FRONT ELEVATION
SCALE 1:100M



3 RIGHT SIDE ELEVATION
SCALE 1:100M

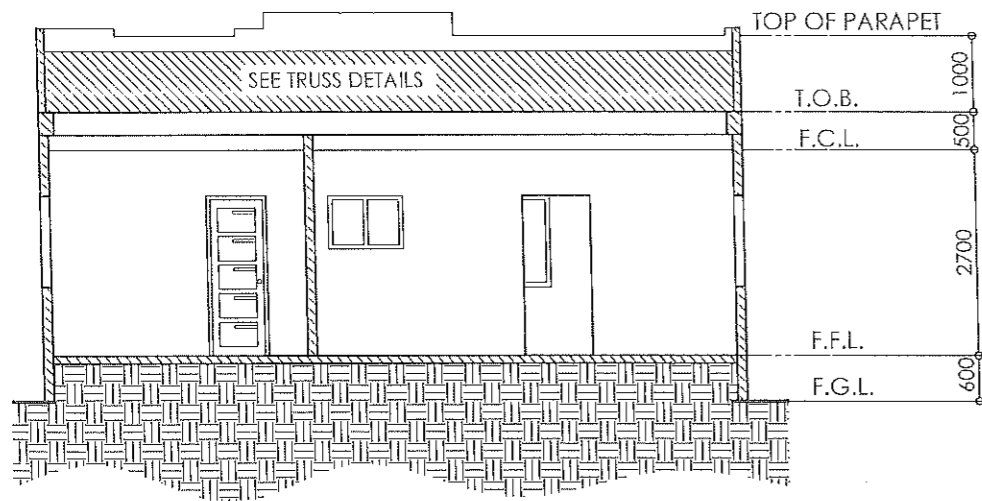


4 LEFT SIDE ELEVATION
SCALE 1:100M

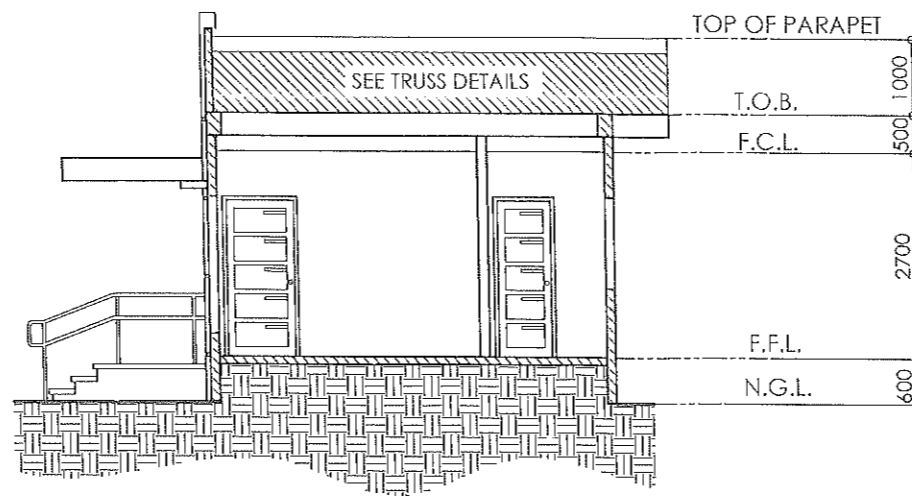


5 REAR ELEVATION
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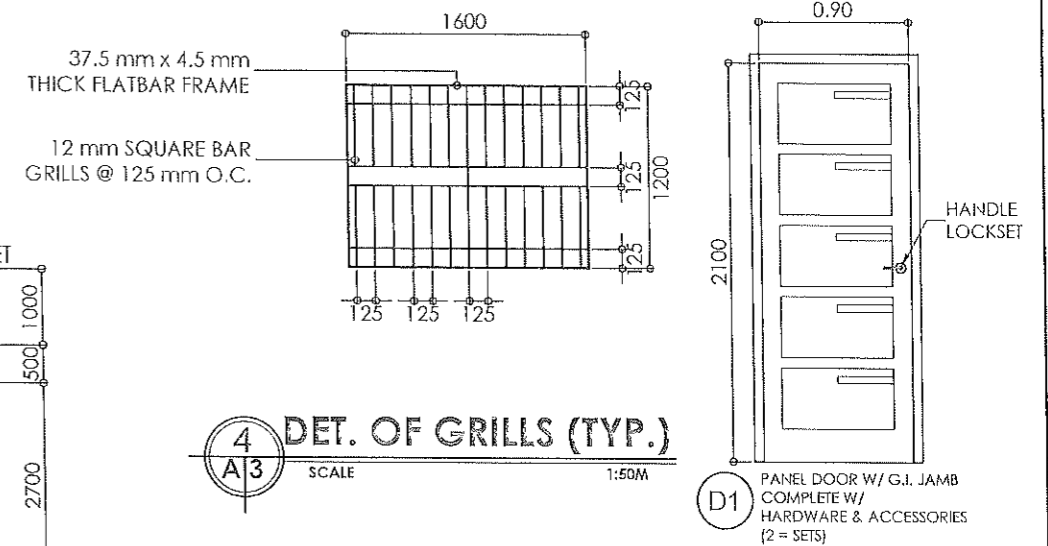
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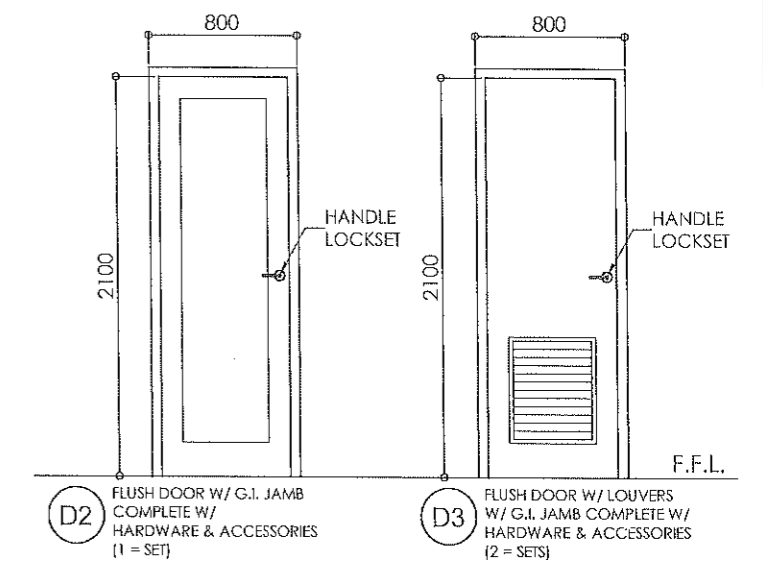
2 SECTION THRU B-B
SCALE 1:100M



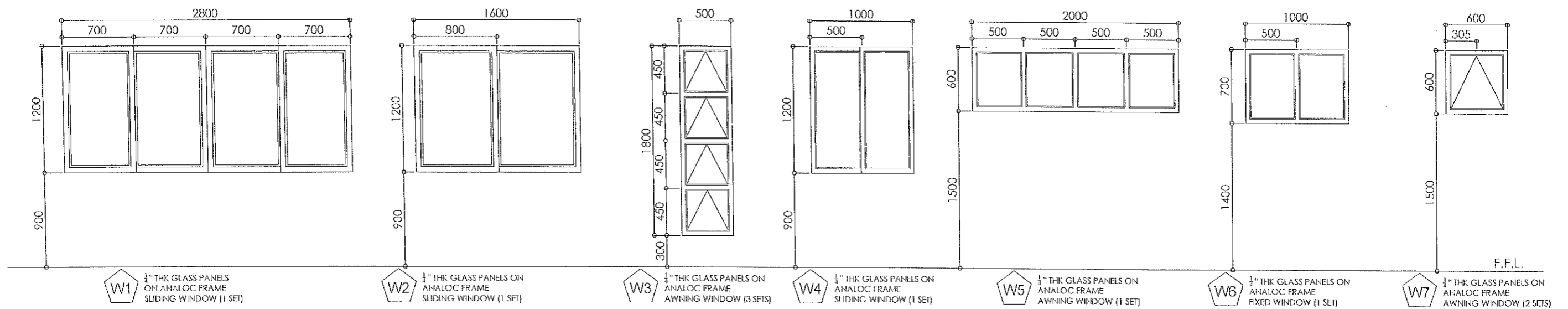
2 SECTION THRU A-A
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4 DET. OF GRILLS (TYP.)
SCALE 1:50M

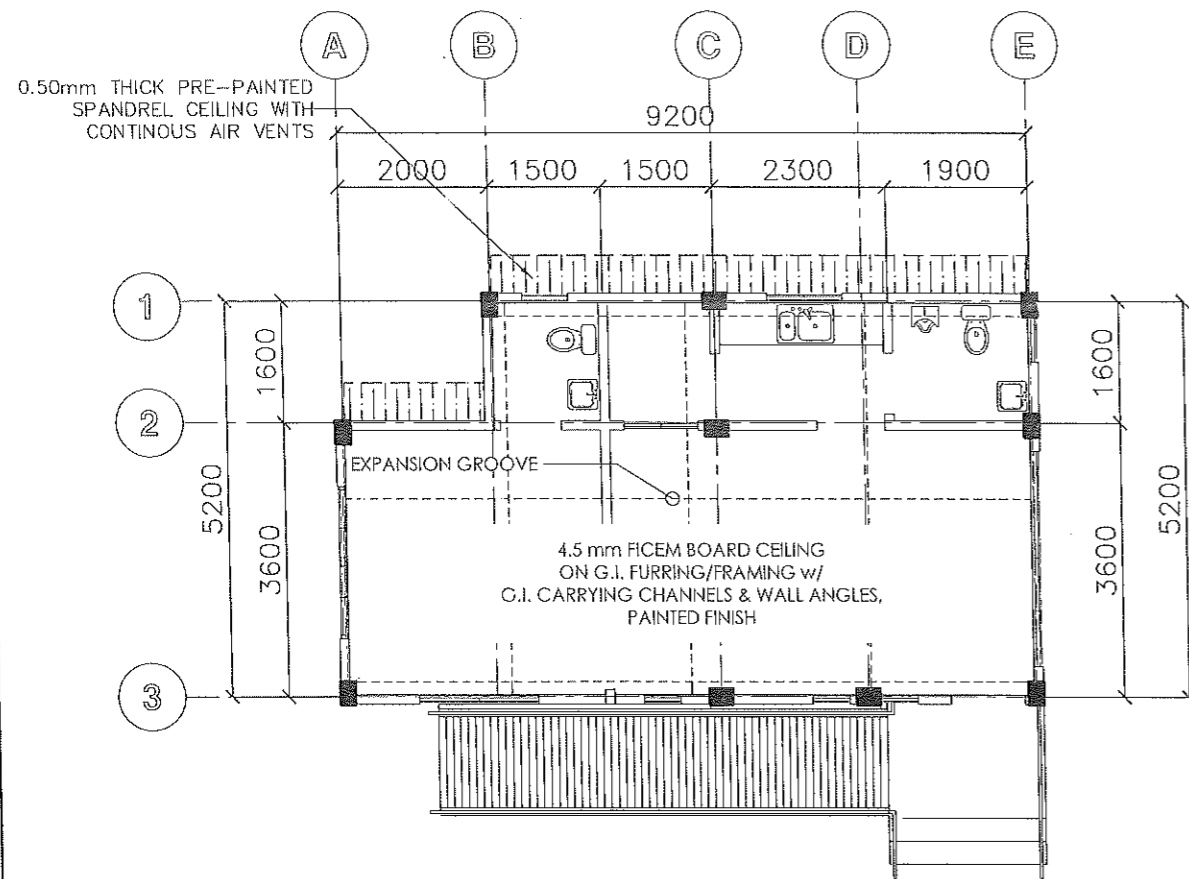


D2 FLUSH DOOR W/ G.I. JAMB COMPLETE W/ HARDWARE & ACCESSORIES (1 = SET)
D3 FLUSH DOOR W/ LOUVERS W/ G.I. JAMB COMPLETE W/ HARDWARE & ACCESSORIES (2 = SETS)

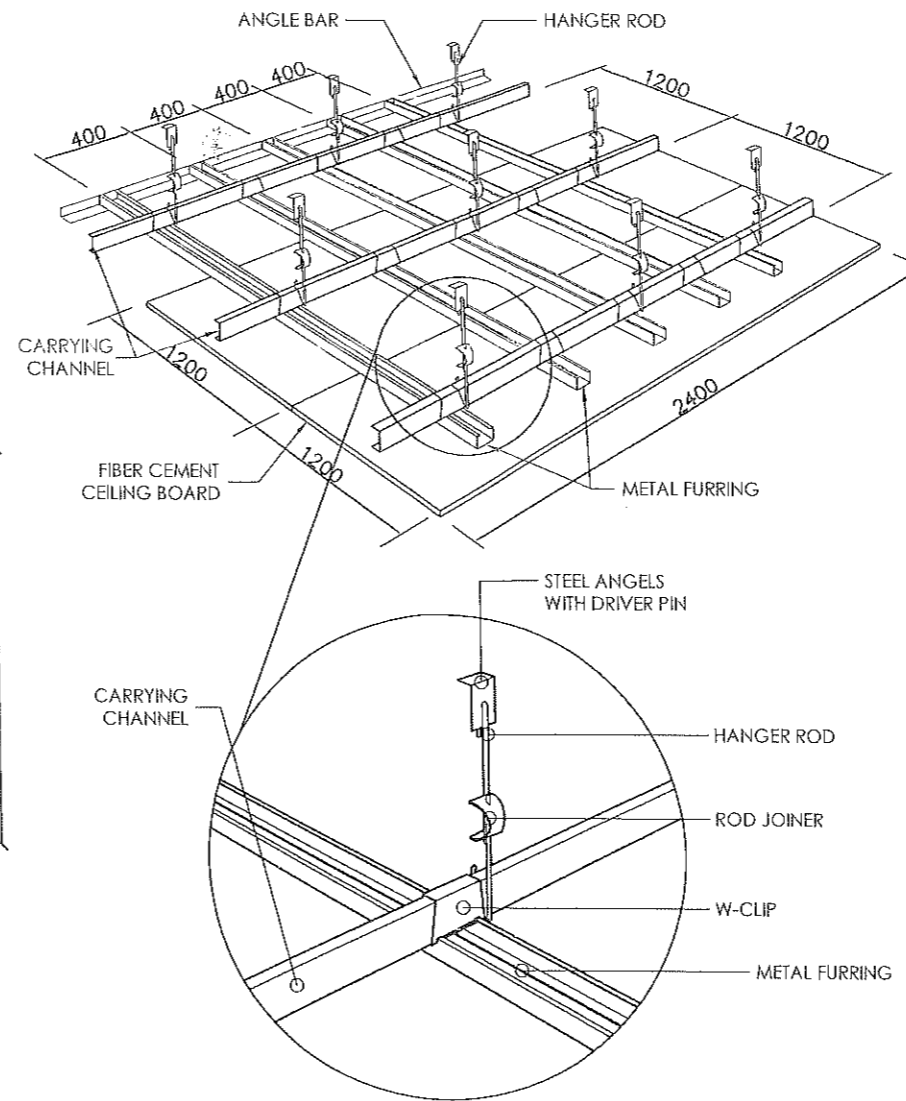


3 SCHEDULE OF DOOR AND WINDOWS
SCALE 1:40M

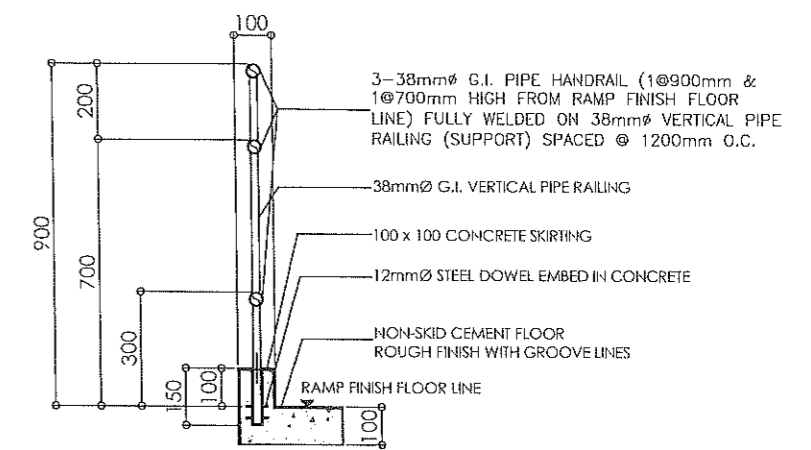
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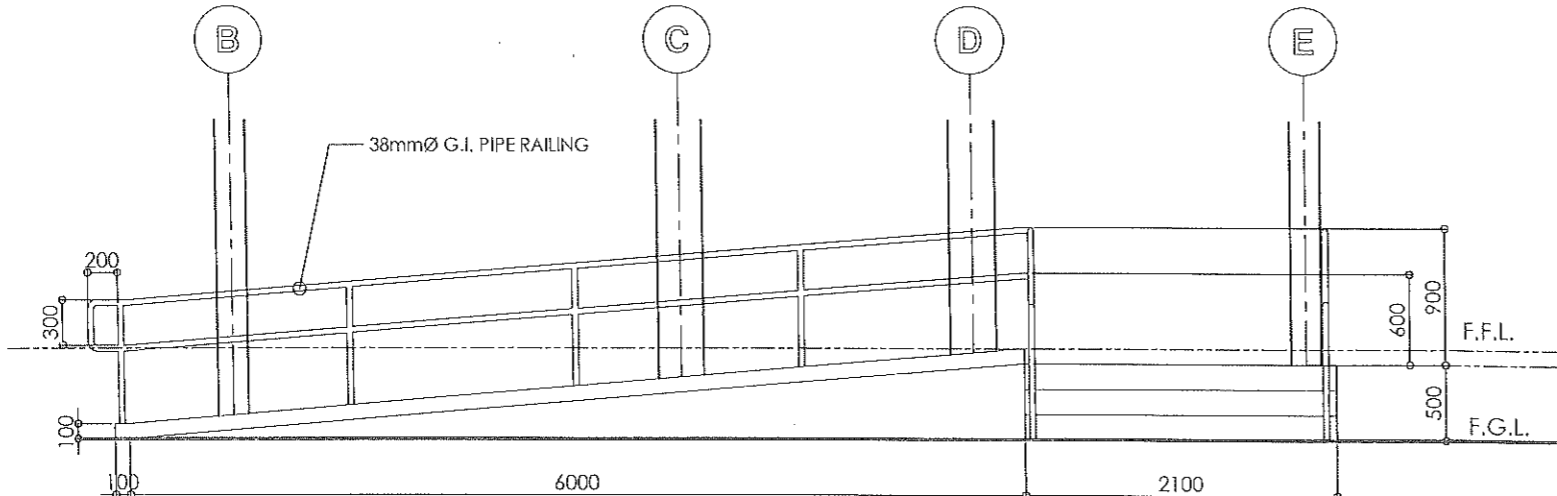
1 CEILING PLAN
SCALE 1:100M



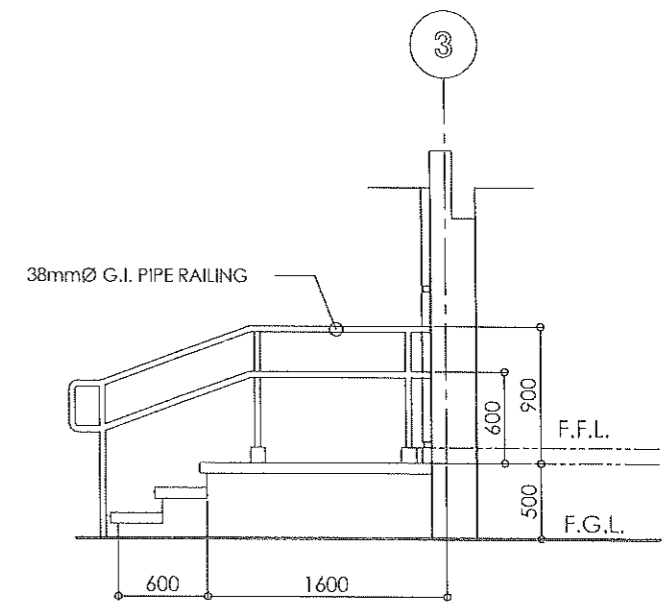
2 DETAILS OF CEILING
SCALE NTS.



3 DETAILS OF SECTION OF RAILINGS
SCALE 1:20M

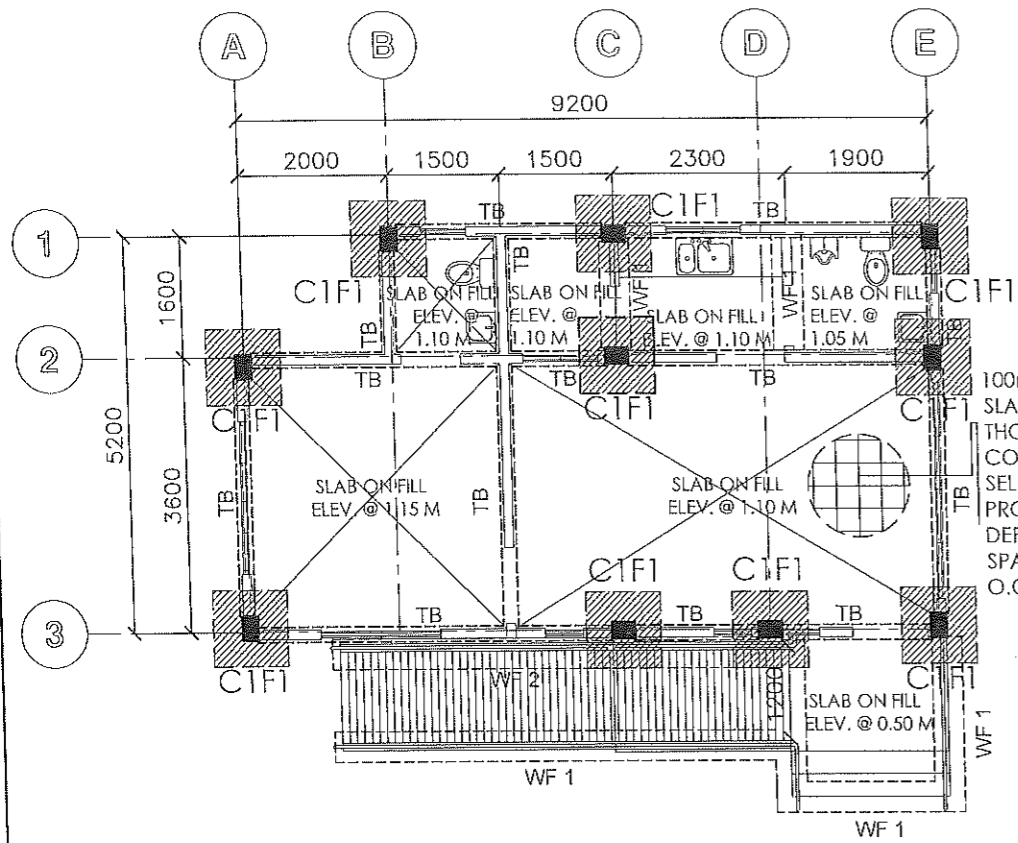


4 DETAIL ELEVATION OF RAMP
SCALE 1:50M



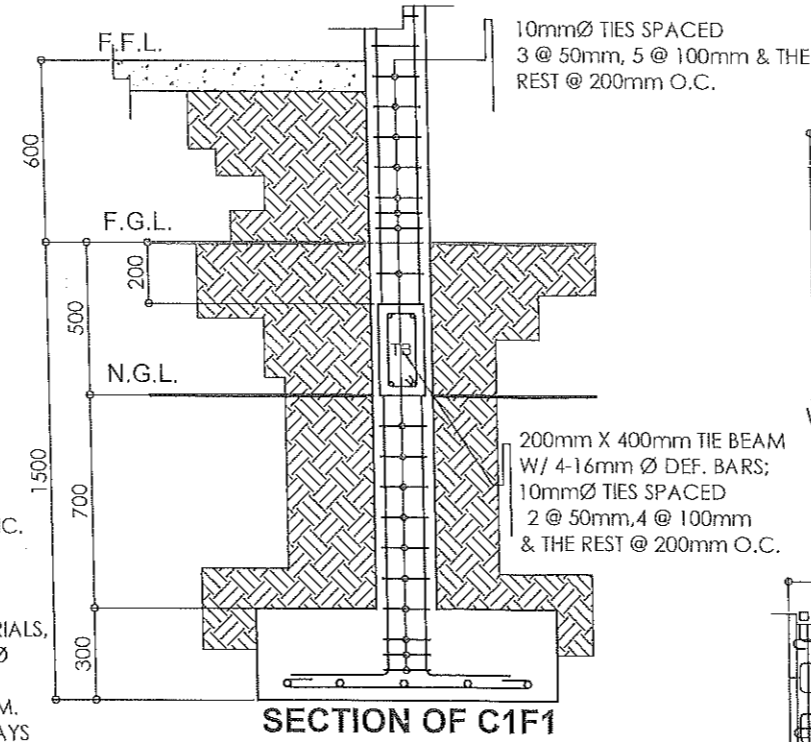
5 DETAIL ELEVATION OF STAIRS
SCALE 1:50M

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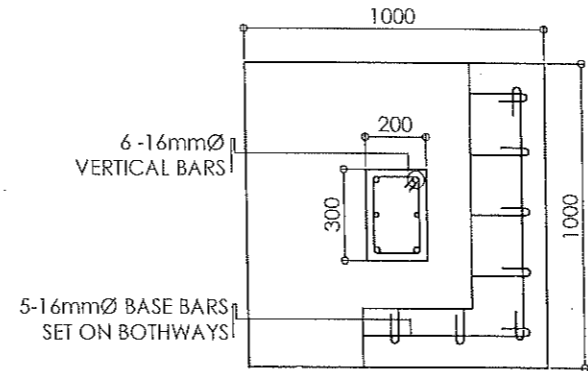


1 FOUNDATION PLAN
SCALE 1:100M

100mm THK CONC. SLAB ON THOROUGHLY COMPACTED SELECTED MATERIALS, PROVIDE 10mmØ DEF. BARS SPACED @ 0.50 M. O.C SET BOTHWAYS

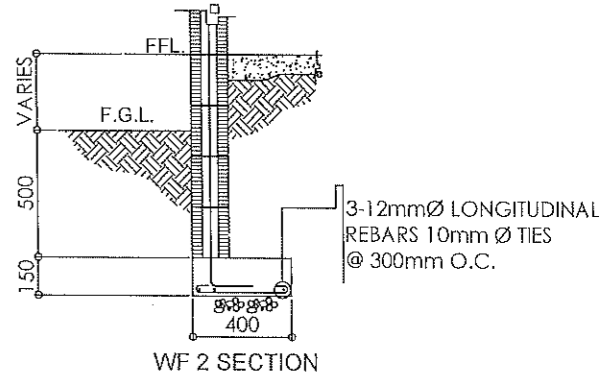
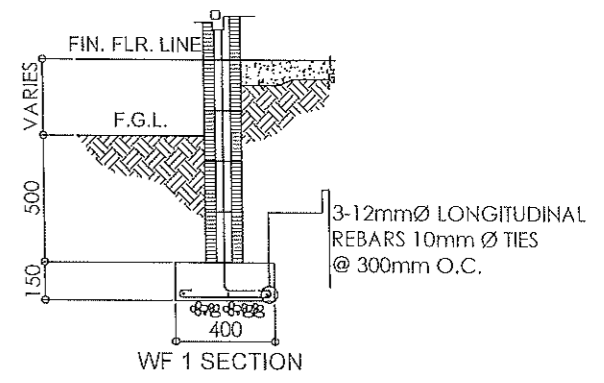
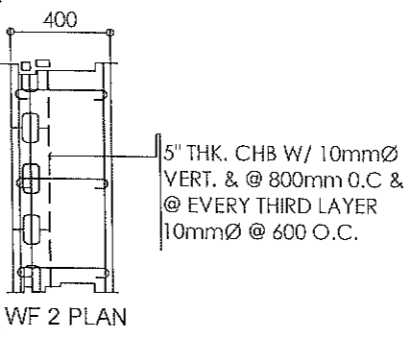
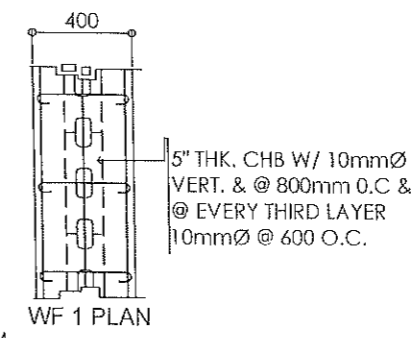


SECTION OF C1F1

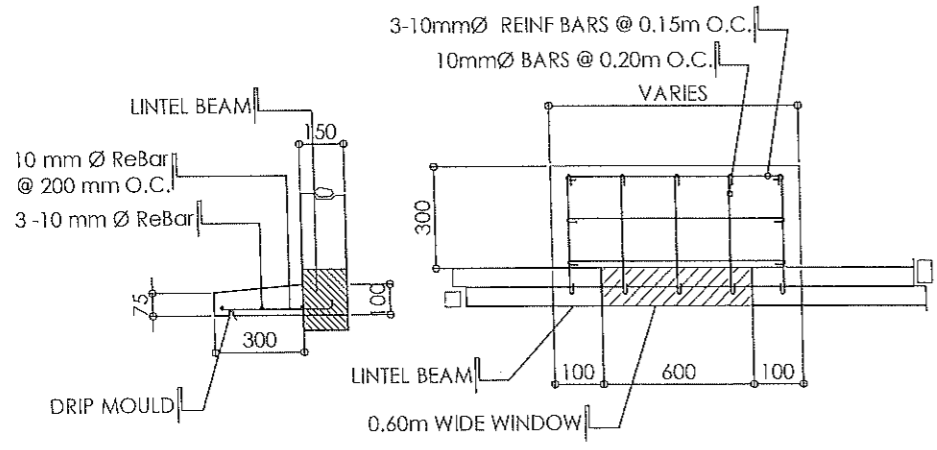


PLAN OF C1F1

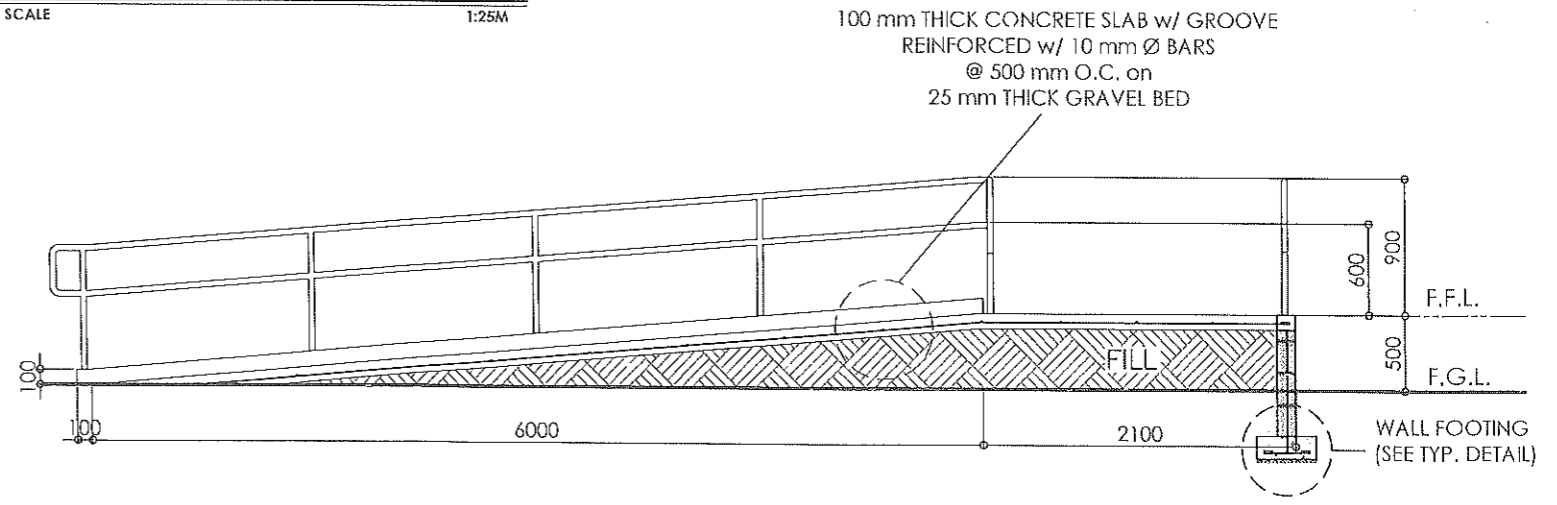
2 COLUMN/FOOTING DETAILS
SCALE 1:25M



3 WALL FOOTING DETAILS
SCALE 1:30M

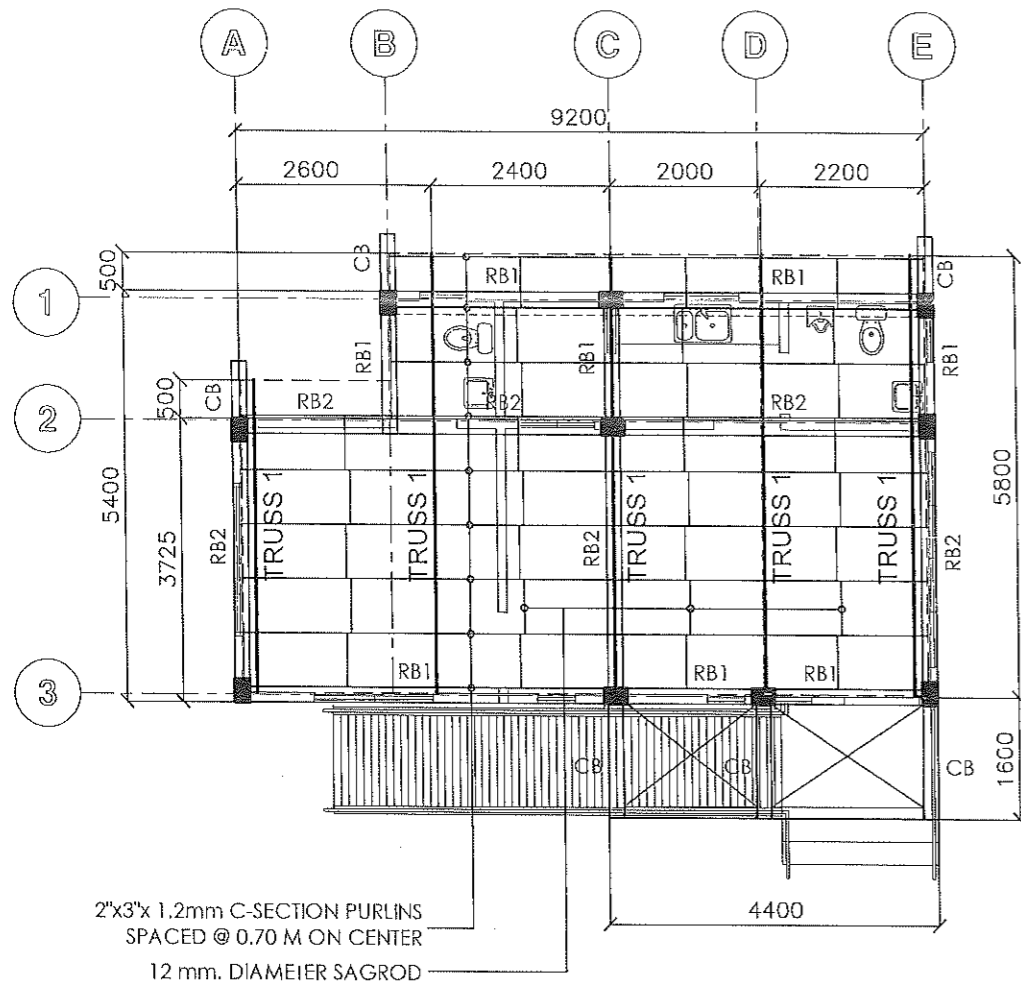


4 TYPICAL CANOPY DETAILS
SCALE 1:30M

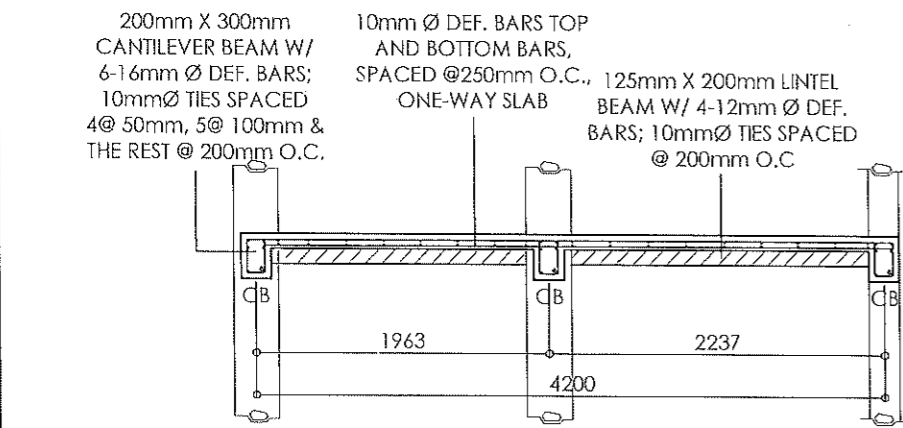


5 DETAIL SECTION OF RAMP
SCALE 1:50M

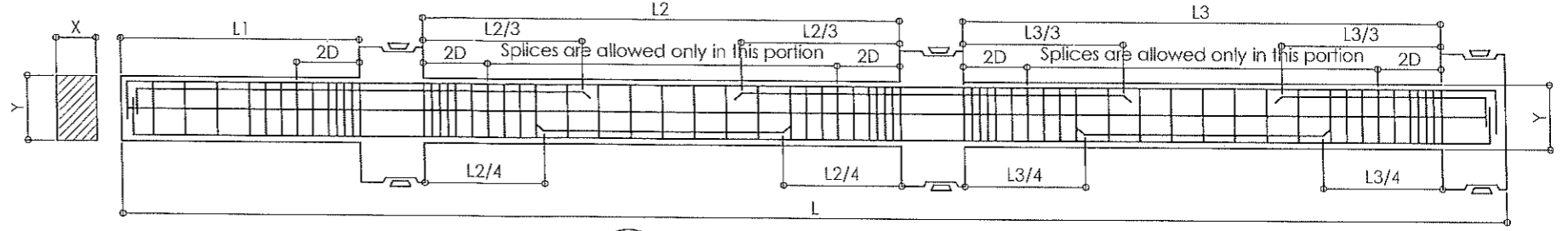
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|---|--|--|--|---|--|--|---|---------------------------------------|



1 ROOF FRAMING PLAN
SCALE 1:100M



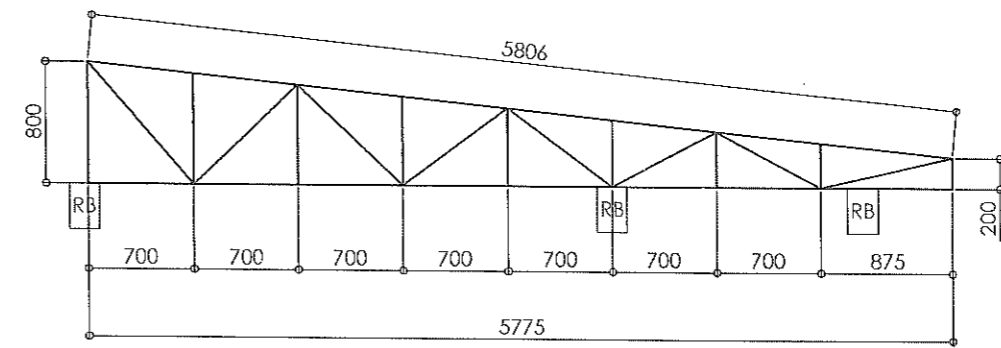
2 SECTION (FRONT CANOPY)
SCALE 1:50M



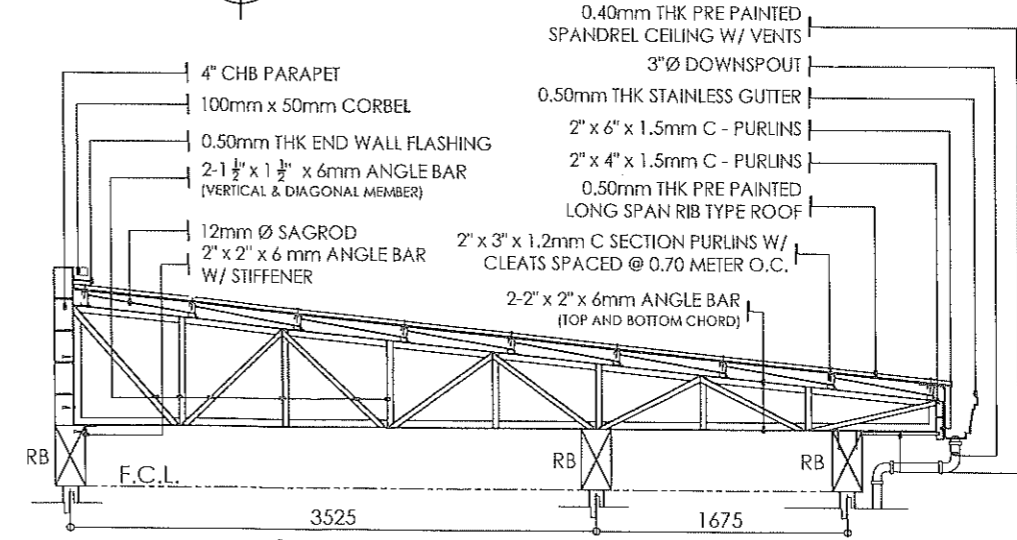
3 TYPICAL BEAM DETAIL
SCALE N.T.S.

BEAM SCHEDULE

| MARK | DIMENSIONS | | R E I N F O R C E M E N T | | | | STIFFENER BARS | |
|------|-------------|-----|---------------------------|--------|-----------|--------|----------------|-------------------------------------|
| | SIZE (16mm) | | @ SUPPORT | | @ MIDSPAN | | | |
| | B | D | TOP | BOTTOM | TOP | BOTTOM | | |
| TB | 200 | 400 | 2 | 2 | 2 | 2 | - | 2@50mm; 4@100mm; REST @ 200mm. O.C. |
| RB1 | 200 | 300 | 2 | 2 | 2 | 2 | - | 2@50mm; 4@100mm; REST @ 200mm. O.C. |
| RB2 | 200 | 300 | 3 | 2 | 2 | 3 | - | 2@50mm; 4@100mm; REST @ 200mm. O.C. |
| CB | 200 | 300 | 4 | 2 | - | - | - | 4@50mm; 5@100mm; REST @ 200mm. O.C. |



4 TRUSS DIAGRAM
SCALE 1:50M



5 TYPICAL TRUSS DETAILS
SCALE 1:50M

| | | | | | | | | | |
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GENERAL NOTES & STANDARDS

1. DESIGN STRESS

- A. CONCRETE :
COMPRESSIVE STRENGTH @ 28 DAYS = 3,000 PSI / 20.7 MPa
- B. REINFORCING BARS :
 - a. 12 mm ϕ & GREATER = GR. 40 / 275 MPa
 - b. 10 mm ϕ & BELOW = GR. 33 / 230 MPa
- C. STRUCTURAL STEEL, ASTM-A36:
FOR TRUSSES, BRACINGS, ETC. = GR. 36 / 248 MPa
- D. PURLINS
COLD FORMED LIGHT GAGE SHAPES = GR. 36 / 248 MPa
- E. MASONRY UNIT (CHB)
NON-LOAD BEARING CHB WALLS = GR. 05 / 3.45 MPa
- G. STRUCTURAL BOLTS, ASTM-A307
 - a. FT = GR. 14 / 96.60 MPa
 - b. FV = GR. 10 / 69.00 MPa

2. MATERIALS

- A. CONCRETE :
 - 1. CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS :
 - a. FOOTINGS, FOOTING-TIE BEAMS 75 mm
 - b. BEAMS & COLUMNS 40 mm
 - c. SUSPENDED SLAB 20 mm
 - 2. BEFORE CONCRETE IS POURED, CHECK WITH ALL TRADES TO ENSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, CURBS, CONDUITS, ETC. RELATING TO THE WORK.
- B. REINFORCING BARS
 - 1. ALL REINFORCING BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS THAT WILL IMPAIR BOND.
 - 2. ALL REINFORCING BARS SHALL BE ACCURATELY & SECURELY PLACED BEFORE POURING CONCRETE OR APPLYING MORTAR OR GROUT
 - 3. LAPPED SPLICES SHALL BE STAGGERED WHERE POSSIBLE.
 - 4. UNLESS OTHERWISE INDICATED, SPLICING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI-318M, EXCEPT THE MINIMUM LAP SPLICE SHALL BE 40 BAR DIAMETER BUT NOT LESS THAN 600 mm.
 - 4. UNLESS SHOWN OTHERWISE ON PLANS, SPLICES SHALL BE FOLLOWS :
 - a. INTERMEDIATE BEAMS : TOP BARS SHALL BE SPLICED MID-SPAN & BOTTOM BARS AT THE SUPPORT.
 - b. BEAMS FRAMING TO COLUMNS : TOP BARS SHALL BE SPLICED AT MID-SPAN & BOTTOM BARS SHALL NOT BE SPLICED W/IN THE COLUMN W/IN A DISTANCE OF TWICE THE MEMBER DEPTH FROM THE FACE OF THE COLUMN. THE SPLICED LENGTH SHALL NOT BE LESS THAN 1.4 TIMES THE DEVELOPMENT LENGTH (L_d) BUT NOT LESS THAN 600 mm.
 - c. COLUMNS : LAP SPLICES SHALL BE MADE WITHIN THE CENTER HALF OF HEIGHT AND THE SPLICE SHALL NOT BE LESS THAN 30 BAR DIAMETER. WELDING OR THE USED OF APPROVED MECHANICAL DEVICES MAY BE PERMITTED PROVIDED NOT MORE THAN ALTERNATE BARS ARE WELDED OR SPLICED AT ANY LEVEL AND THE MINIMUM VERTICAL DISTANCE BETWEEN TWO ADJACENT BAR SPLICES SHALL BE 600 mm.
 - d. CHB WALLS : VERTICAL BARS SHALL BE SPLICED AT THE TOP OF THE WALL FOOTINGS OR FOOTING-TIE BEAMS AND AT THE BOTTOM OF REINFORCED CONCRETE LINTEL BEAMS OR BEAMS.
 - 5. UNLESS OTHERWISE INDICATED, ALL BEAMS TERMINATING AT A COLUMN SHALL HAVE TOP AND BOTTOM BARS EXTENDING TO THE FAR FACE OF THE COLUMN, TERMINATING IN A STANDARD 90° HOOK LENGTH OF ANCHORAGE AND SHALL NOT BE LESS THAN 600 mm.
 - 6. SHOP DRAWING FOR REINFORCEMENT SHALL BE SUBMITTED FOR APPROVAL OF THE ENGINEER PRIOR TO FABRICATION & INSTALLATION.

C. STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 AND SHALL HAVE A MINIMUM YIELD STRESS, $F_y = 248 \text{ MPa}$ (36,000 psi).
- 2. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATIONS AND CODE OF STANDARD PRACTICE AS AMMENDED TO DATE.
- 3. ALL BOLTS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE INDICATED.
- 4. SHOP AND FIELD WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 AND PERFORMED BY QUALIFIED WELDERS.
- 5. UNLESS OTHERWISE INDICATED, WELDING ELECTRODES SHALL BE E60.
- 6. NO STEEL SHALL BE FABRICATED OR ERECTED UNTIL SHOP DRAWINGS HAVE BEEN APPROVED BY THE STRUCTURAL ENGINEER.
- 7. ANCHOR BOLTS CONFORM WITH ASTM A-307

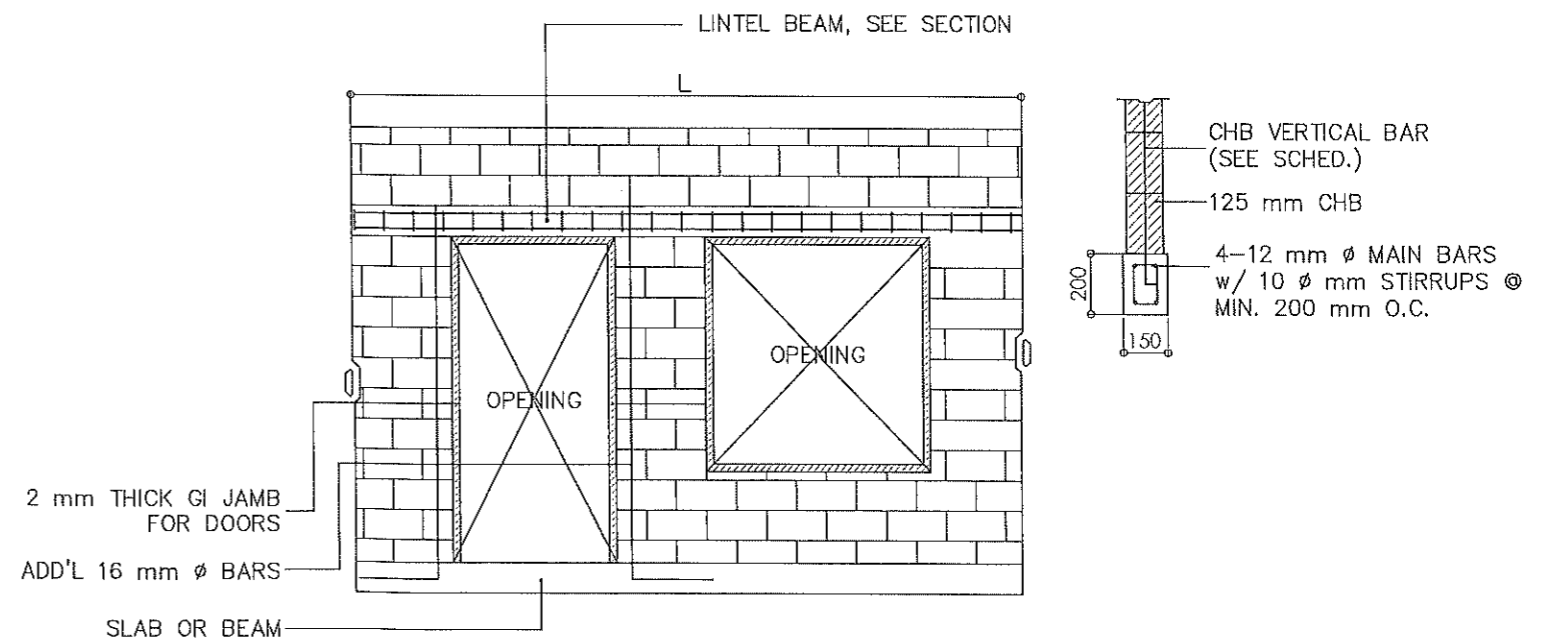
D. CONCRETE HOLLOW BLOCKS (CHB)

- 1. UNLESS OTHERWISE INDICATED, CHB USED IN THIS WORK SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH, $F'_m = 3.45 \text{ MPa}$ (500 psi).
- 2. ALL CHB CELLS SHALL BE FILLED SOLIDLY WITH GROUT
- 3. SCHEDULE OF HOLLOW BLOCK REINFORCEMENT

| BLOCK THICKNESS | VERTICAL | HORIZONTAL |
|-----------------|----------|------------|
| 100 mm | 800 mm | 600 mm |
| 125 mm | 800 mm | 600 mm |
- 4. SEE BELOW FOR DOOR & WINDOW OPENING DETAIL.

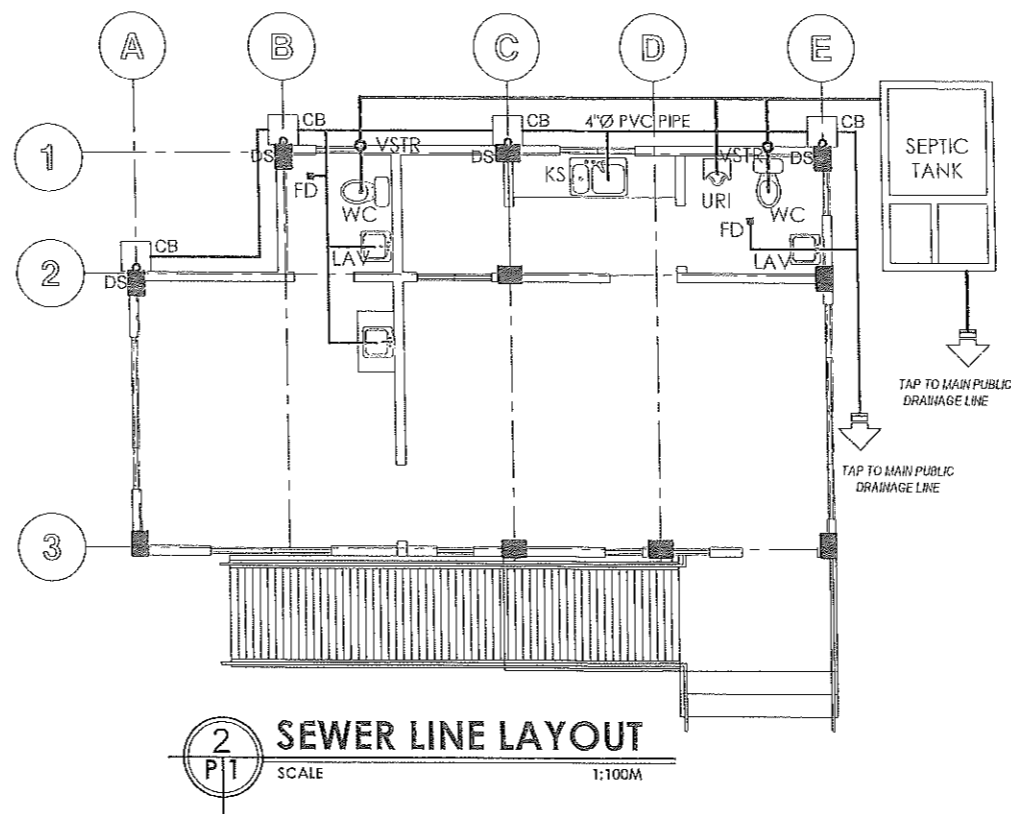
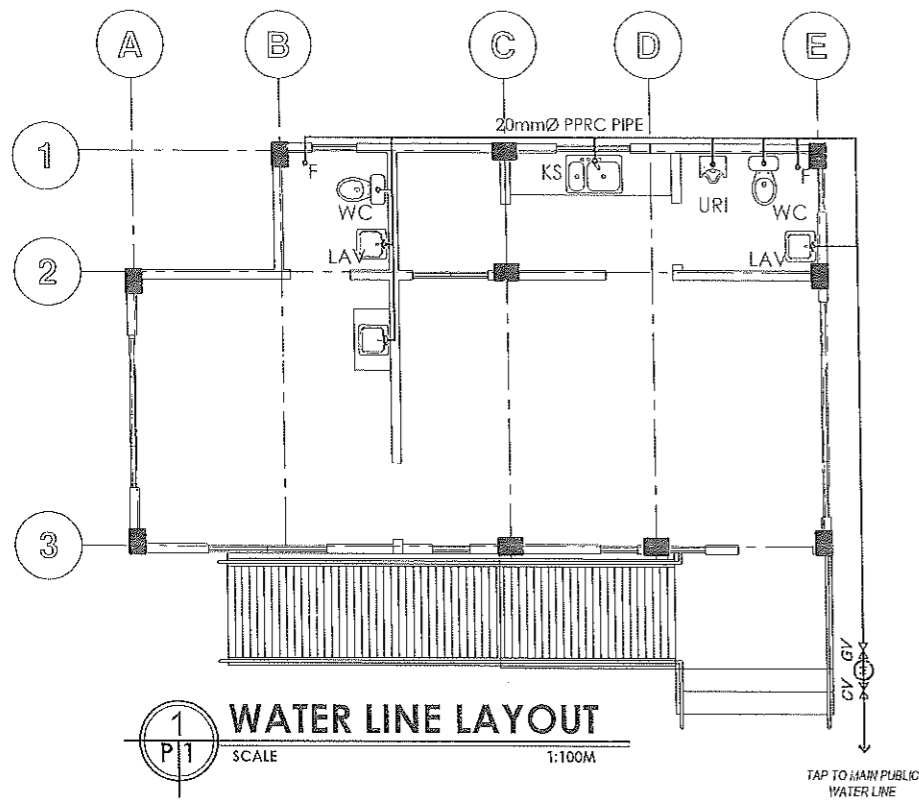
E. CONSTRUCTION JOINTS

- 1. CONSTRUCTION JOINT NOT INDICATED ON THE PLANS SHALL BE MADE SO AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE AND SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER EXCEPT SLAB ON GRADE.
- 2. UNLESS SHOWN OTHERWISE, SLAB ON GRADE SHALL HAVE CONTROL JOINTS SPACED AT 2000 mm MAXIMUM, CENTER TO CENTER.
- 3. BEAMS CONSTRUCTION JOINT SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE SPAN. IT SHALL BE PROVIDED WITH 3 EXTRA STIRRUPS @ 75mm O.C. ON EACH SIDE OF THE JOINT.



TYPICAL DOOR & WINDOW OPENING
(LINTEL BEAM) DETAIL

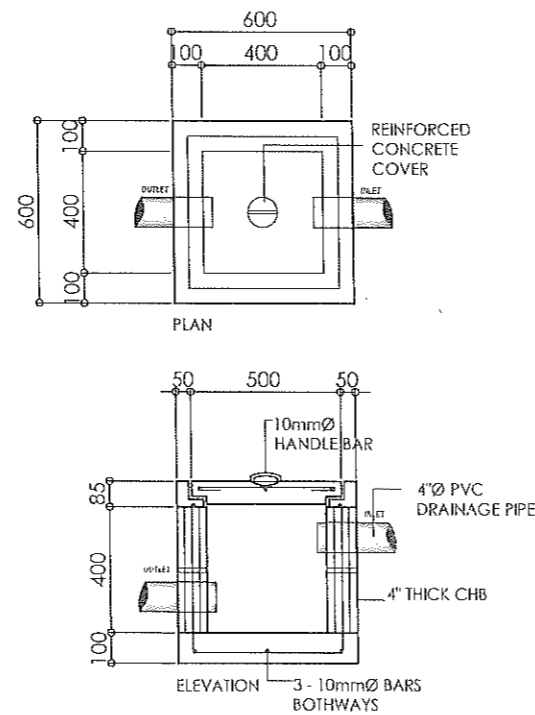
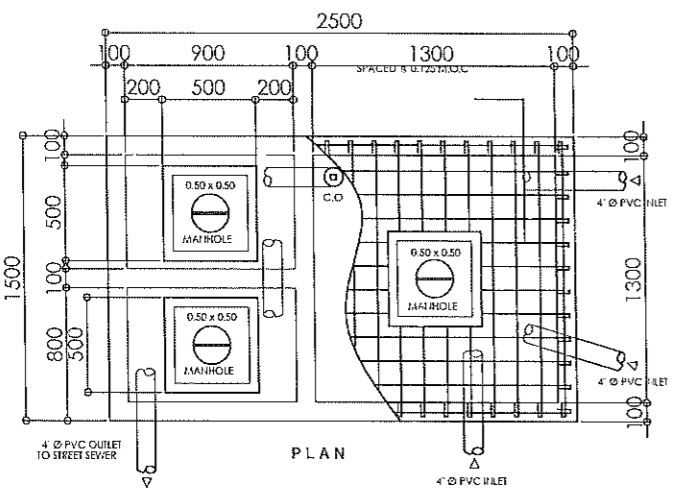
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| | | | | | | | | 07 / 09 | |



GENERAL PLUMBING NOTES:

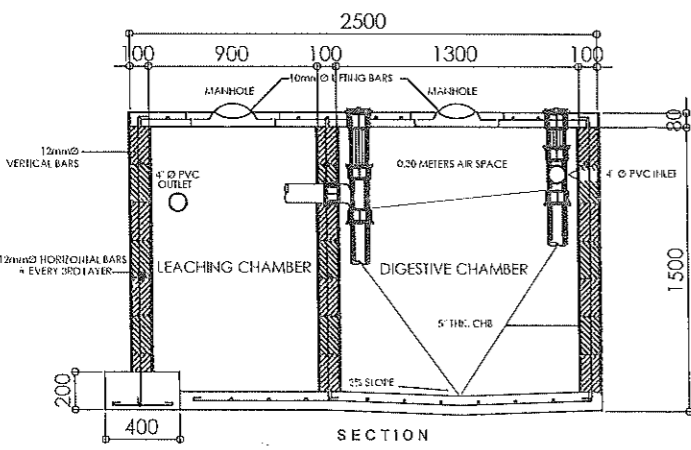
- 1 ALL WORKS HEREIN SHALL CONFORM TO THE PROVISIONS OF THE LATEST EDITION OF THE "NATIONAL PLUMBING CODE OF THE PHILIPPINES", & ALL EXISTING ORDINANCES AND REGULATIONS OF THE LOCALITY OF CONSTRUCTION.
- 2 ALL SANITARY WORKS INSTALLATION SHALL BE DONE WITH THE DIRECT SUPERVISION OF A REGISTERED AND LICENSED MASTER PLUMBER OR SANITARY ENGINEER.
- 3 ALL PIPE RUNS SHALL BE STRICTLY DONE IN ACCORDANCE WITH THE LAYOUT SHOWN ON DRAWINGS. ANY DEVIATION OR RELOCATION DUE TO ACTUAL FIELD CONDITION SHALL BE PROPERLY COORDINATED WITH THE ARCHITECT OR THE DESIGNER PRIOR TO DEVIATIONS OR RELOCATIONS. A WRITTEN REQUEST FOR RELOCATION/DEVIATION SHOULD BE SUBMITTED, STATING REASONS FOR SUCH ACTION TO BE DONE, TOGETHER WITH A DRAWING INDICATING THE RELOCATED PIPE RUNS & LAYOUT. NO RELOCATED WORKS SHALL BE UNDERTAKEN W/O THE WRITTEN APPROVAL OF THE ARCHITECT.
- 4 SLOPE OF PIPE RUNS SHALL BE AS FOLLOWS;
 - A. STORM DRAINAGE LINE 2 %
 - B. SANITARY DRAINAGE LINES 2 %
 - C. VENT LINES 2 %
- 5 MATERIALS SPECIFICATIONS TO BE USED SHALL BE AS FOLLOWS; UNLESS OTHERWISE INDICATED ON PLANS:
 - A. COLD AND HOT WATERLINES:
 - A.1. UNDER-GRADE PIPE. HIGH DENSITY POLYETHYLENE PIPE WITH BRASS FITTINGS (HDPE)
 - A.2. ABOVE GRADE, EXPOSED AND ALL PIPES RUNS UNDERFLOOR AND EMBEDDED IN CONCRETE. . . "FUSIOTHERM" PIPE & FITTINGS, PN 20.
 - B. SANITARY DRAINAGE LINES:
 - B.1. WASTELINE SANITARY PVC PIPE, SERIES 1000, NELLETEX, /ATLANTA/EMERALD OR ANY APPROVED EQUIVALENT.
 - B.2. VENT LINE SAME AS MATERIAL FOR WASTE LINES.
 - C. STORM DRAINAGE LINES:
 - C.1. UNDERGROUND PIPES. . . MACHINE-PRESSED CONCRETE PIPE, MANUFACTURED BY ALLIED CONCRETE PRODUCT, OR ANY APPROVED EQUIVALENT.
 - C.2. UNDER R.C. SLAB. SANITARY PVC PIPE, SERIES 1000, FOR PIPES 63MMØ-110MMØ, SANITARY PVC PIPES, SDR 34 FOR PIPES BIGGER THAN 110MMØ.
 - C.3. DOWNSPOUT/LEADERS . . . SANITARY PVC PIPE, SERIES 1000.
 - D. GATE VALVES. KITZ, / CRANE OR ANY APPROVED EQUIVALENT.
 - E. CHECK VALVES KITZ, OR ANY APPROVED EQUIVALENT.
- 6 ALL PLUMBING FIXTURES MUST BE PROPERLY VENTED. IN NO CASE, VENT SHALL NOT BE FARTHER THAN 1500MM., MEASURED ALONG THE LENGTH OF THE PIPE, FROM ANY FIXTURE BEING VENTED.
- 7 ALL EXPOSED CLEAN-OUT COVERS, LOCATED ON FLOORS AND WALLS OF TOILETS, SHALL BE FLUSH AND SCREW TYPE, BRASS FINISH.
- 8 ALL SANITARY INSTALLATION SHALL BE UNDERTAKEN OR CARRIED ALONG WITH THE CIVIL ROUGH WORKS CONSTRUCTION. ALL PIPES PASSING THRU STRUCTURAL MEMBERS SHALL BE PROVIDED WITH SUFFICIENT SIZE SLEEVE, AT LEAST 6MM. LARGER THAN THE OUTSIDE DIAMETER OF THE PIPE.
- 9 SIZES OF PIPES INDICATED ON PLANS ARE AS INDICATED. SIZES INDICATED FOR SANITARY PVC PIPE AND FUSIOTHERM PIPE SYSTEM ARE OUTSIDE DIAMETER. LIKewise, SIZES INDICATED FOR CONCRETE PIPES ARE INSIDE DIAMETERS.
- 10 UNLESS OTHERWISE INDICATED ON DRAWINGS, MINIMUM INLET SIZES AND HEIGHT FROM FINISH FLOOR, OR FIXTURES SUPPLY PIPES SHALL BE AS FOLLOWS:

| | INLET SIZE(O.D.) | HEIGHT(mm.) | OFFSET FROM CENTERLINE |
|---|------------------|-------------|------------------------|
| A. WATER CLOSET WITH FLUSHMETER VALVE | 32mmØ | 591mm. | 121mm. |
| B. WATER CLOSET WITH FLUSH TANK | 20mmØ | 152mm. | 180mm. |
| C. LAVATORY WITH PRESSURE-OPERATED VALVE. | 25mmØ | 152mm. | 520mm. |
| D. LAVATORY WITH ORDINARY VALVE | 20mmØ | 152mm. | 520mm. |
| E. COMBINATION SHOWER VALVE | 20mmØ | | |
| F. PORTABLE WATER HEATER. | 20mmØ | N.A. | |
| G. URINAL WITH FLUSHMETER VALVE | 25mmØ | 1370mm. | 121mm. |
| H. URINAL WITH PUSH-BUTTON VALVE | 20mmØ | 1370mm. | 121mm. |
| I. KITCHEN SINK. | 20mmØ | 150mm. | 180mm. |
- 11 ALL PLUMBING INSTALLATIONS SHALL BE PRESSURE-TESTED PRIOR TO FINISHING WORKS, FIXTURES INSTALLATION OR AT ANY TIME DURING CONSTRUCTION, AS MAY BE REQUIRED BY THE ARCHITECT.
- 12 UNLESS OTHERWISE INDICATED ON STORM DRAINAGE PLAN, ALL DOWNSPOUT OR LEADERS SHALL BE 90MMØ.
- 13 UNLESS OTHERWISE INDICATED ON SANITARY DRAINAGE PLAN, SIZE OF PIPE SHALL BE 63MMØ.



LEGEND:

- WC - WATER CLOSET
- LAV - LAVATORY
- CO - CLEAN OUT
- FD - FLOOR DRAIN
- VSTR - VENT STACK THRU ROOF
- SS - SOIL STACK
- KS - KITCHEN SINK
- F - FAUCET
- CB - CATCH BASIN
- MH - MAN HOLE
- DRAINAGE LINE
- WATER LINE
- SEWER LINE



4 DETAIL OF CATCH BASIN
SCALE 1:25M

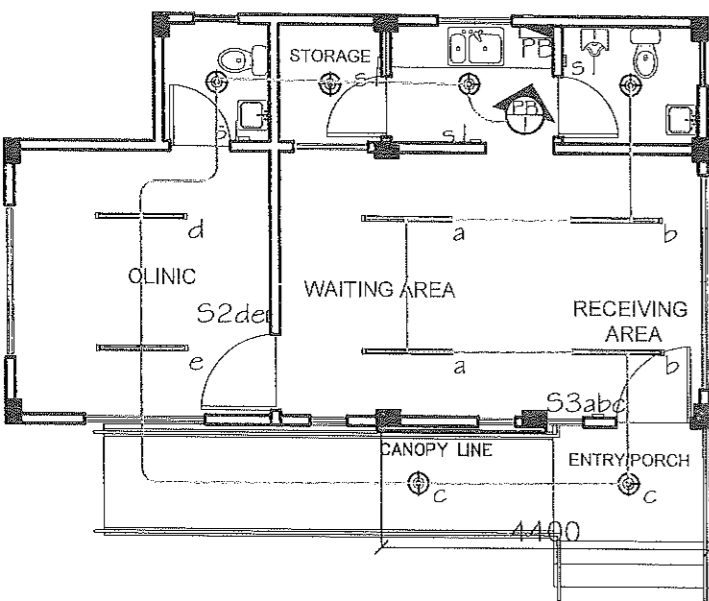
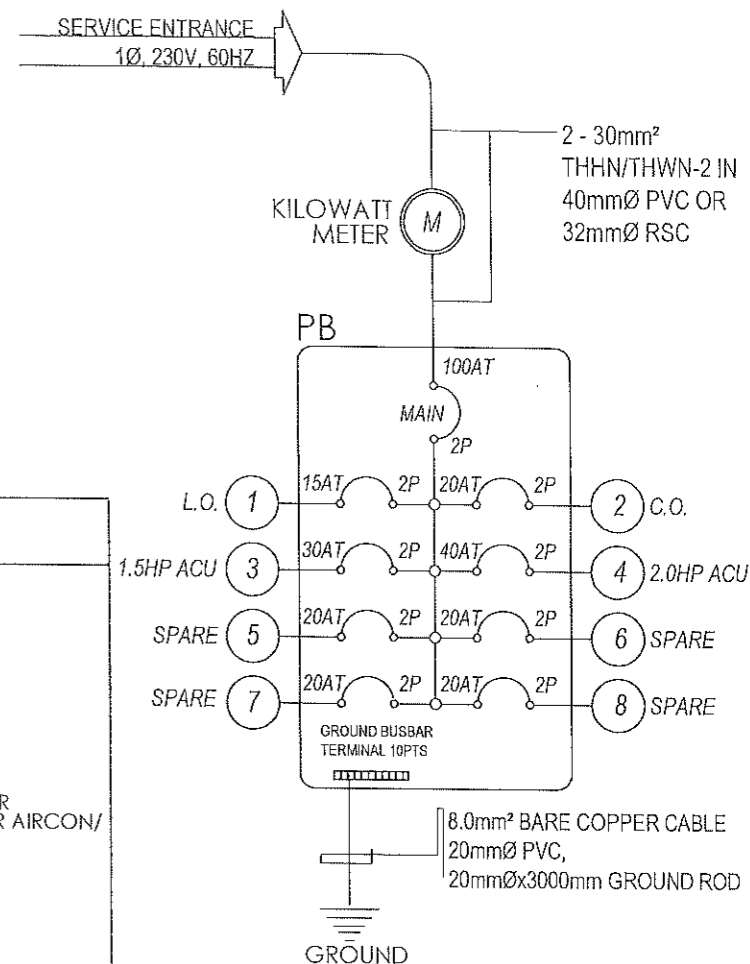
3 DETAIL OF SEPTIC TANK
SCALE 1:40M

| | | | | | | | | | |
|--|---|--|-----------------------------------|---|---|--|--|-----------------|-------------------------|
| | FROM THE OFFICE OF: | PROJECT TITLE: | PREPARED BY: | CHECKED BY: | VERIFIED & SUBMITTED BY: | RECOMMENDING APPROVAL: | APPROVED BY: | SHEET CONTENTS: | SHEET NO.: |
| | REPUBLIC OF THE PHILIPPINES PROVINCE OF PAMPANGA PROVINCIAL ENGINEER'S OFFICE CAPITOL COMPOUND, CITY OF SAN FERNANDO, (P) | CONSTRUCTION OF BARANGAY HEALTH CENTER LOCATION: STA. CATALINA, LUBAO, PAMPANGA | JEANNA HYN D. BALUYOT ENGINEER | RUSSEL I. HERNANDEZ CONSTRUCTION DIVISION HEAD | WILFREDO A. MANALILI ASSISTANT PROVINCIAL ENGINEER | OLIMPIO M. PANGAN PROVINCIAL ENGINEER | HON. DENNIS G. PINEDA GOVERNOR BY THE AUTHORITY OF THE GOVERNOR: ATTY. CHARIE G. CHUA PROVINCIAL ADMINISTRATOR | AS SHOWN | P - 1 08 / 09 |

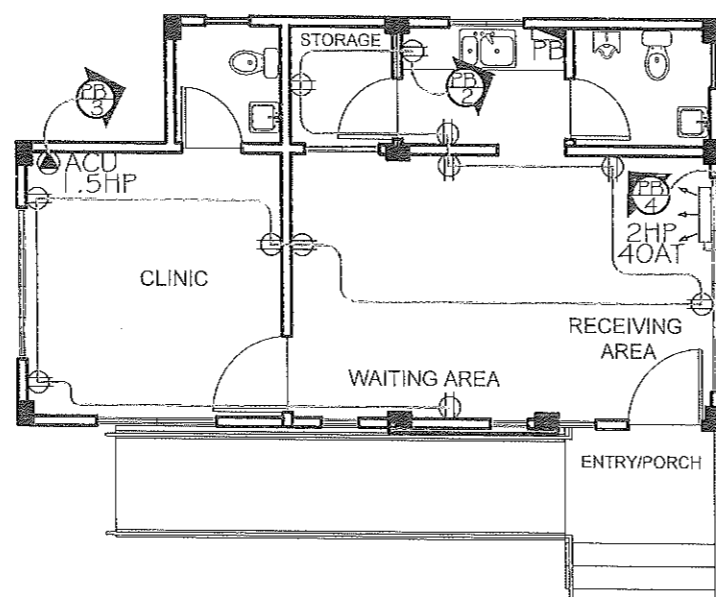
GENERAL ELECTRICAL NOTES:

- ALL ELECTRICAL INSTALLATION WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY, AND THE REQUIREMENTS OF THE LOCAL POWER AND TELEPHONE COMPANIES. THE ELECTRICAL WORKS SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.
- SERVICE FROM THE ELECTRIC POWER COMPANY SHALL BE 230V, 1PHASE, 60HZ. ALL INSTALLATIONS SHALL BE CONCEALED FROM VIEW BY INSTALLING CONDUCTORS IN PVC CONDUIT. POWER AND LIGHTING DISTRIBUTION EMBEDDED IN CONCRETE SHALL BE IN PVC CONDUITS. EXPOSED POWER AND LIGHTING DISTRIBUTION SHALL BE IN RSC CONDUITS, BY MEANS OF HANGERS.
- ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED. THE MINIMUM SIZE FOR POWER AND LIGHTING SHALL BE 3.5 sqmm WIRE.
- THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION OF SERVICE ENTRANCE FOR CONNECTION TO THE POWER SUPPLY.
- ALL RECEPTACLES SHALL BE OF THE GROUNDING TYPE.
- ALL SERVICE ENTRANCE EQUIPMENT, SWITCHES, PANELBOARDS, LIGHTING FIXTURES AND ALL NON-CURRENT CARRYING METAL PARTS BE PROPERLY GROUNDED IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE.
- ALL PANELBOARDS SHALL BE PROVIDED WITH GROUNDING BUS. CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE AND OF THE THERMAL-MAGNETIC TYPE, COMMON TRIP WITH THE RATINGS AND NUMBER OF POLES AS INDICATED IN THE DRAWINGS.

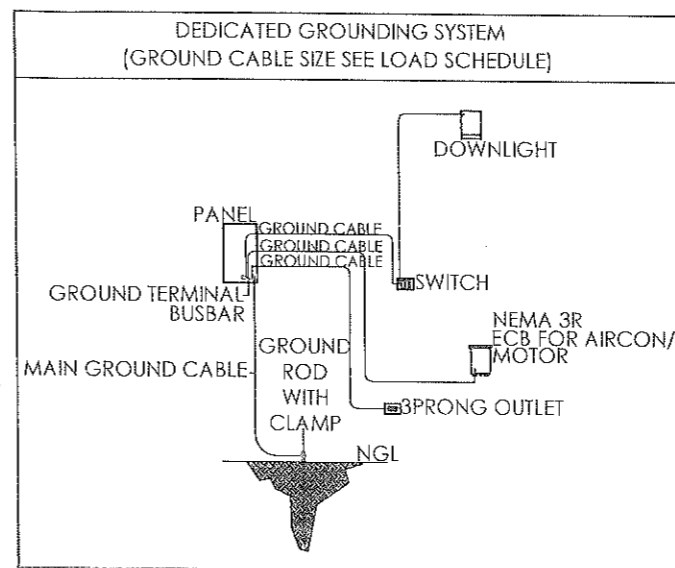
- THE MOUNTING HEIGHTS OF WIRING DEVICES SHALL BE AS FOLLOWS:
 - LIGHT SWITCHES 1.3M ABOVE FLOOR FINISH TO BOTTOM SWITCH.
 - CONVENIENCE OUTLETS 0.35M ABOVE FLOOR FINISH TO BOTTOM C.O.
 - TELEPHONE OUTLETS 0.35M ABOVE FLOOR FINISH TO BOTTOM T.O..
 - PANELBOARDS & CABINETS 1.8M ABOVE FLOOR FINISH AT TOP OF PANEL.
- ALL MOUNTING HEIGHTS SHALL BE SUBJECT TO ARCHITECTS APPROVAL PRIOR TO INSTALLATION.
- WHENEVER NECESSARY PULL BOXES SHALL BE PROVIDED EVEN IF NOT INDICATED IN THE PLANS.
- ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISION OF A DULY QUALIFIED LICENSED ELECTRICAL ENGINEER.
- PROVIDE LIGHTNING ELECTRODE AND ARRESTER TO GROUND.
- ONLY POWER SUPPLY SHALL BE PROVIDED FOR THE PROVISION OF AIRCON.
- THE FOLLOWING TEST SHALL BE DONE BEFORE ENERGIZATION THE ELECTRICAL SYSTEM
 - CONTINUITY TEST
 - INSULATION RESISTANCE TEST
 - EARTH RESISTANCE TEST
 - PHASE SEQUENCE TEST
 - FUNCTIONALITY TEST



1 LIGHTING LAYOUT
SCALE 1:100M



2 POWER LAYOUT
SCALE 1:100M



SINGLE LINE DIAGRAM

LOAD CALCULATION

PANEL NAME: PB
FEED FROM: UTILITY COMPANY
SYSTEM: 230V, 1Ø, 2WIRE + GROUND, 60HZ

| CKT. NO. | DESCRIPTION | CONNECTED LOAD | | | | | | | OVER CURRENT PROTECTION | | SIZE OF WIRE AND PVC CONDUITS |
|------------------------------|--|----------------|--------------|-------|----|----|---|----|-------------------------|--|--|
| | | V | VA | A | AT | AF | P | KA | | | |
| 1 | 6-1 x 18W LED T8 Linear Light (1.2m length, Decorative), 6-1 x 12W LED Downlight | 230 | 180 | 0.78 | 15 | 50 | 2 | 10 | | | 2-3.5mm² THHN/THWN-2 LINE + 2.0mm² THHN/THWN-2 GROUND IN 20 mm DIA. PVC CONDUIT or 15mm dia. EMT Conduit |
| 2 | 1-1 x 150W DUPLEX CONVENIENCE OUTLET | 230 | 1980 | 8.61 | 20 | 50 | 2 | 10 | | | 2-3.5mm² THHN/THWN-2 LINE + 2.0mm² THHN/THWN-2 GROUND IN 20 mm DIA. PVC CONDUIT or 15mm dia. EMT Conduit |
| 3 | 1.5HP SPLIT TYPE ACU LIGHT | 230 | 2300 | 10.00 | 30 | 50 | 2 | 10 | | | 2-5.5mm² THHN/THWN-2 LINE + 3.5mm² THHN/THWN-2 GROUND IN 20 mm DIA. PVC CONDUIT or 15mm dia. EMT Conduit |
| 4 | 2.0HP SPLIT TYPE ACU UNIT | 230 | 2760 | 12.00 | 40 | 50 | 2 | 10 | | | 2-5.5mm² THHN/THWN-2 LINE + 3.5mm² THHN/THWN-2 GROUND IN 20 mm DIA. PVC CONDUIT or 15mm dia. EMT Conduit |
| 5 | SPARE | 230 | 1500 | 6.52 | 20 | 50 | 2 | 10 | | | 20mmØ PVC CONDUIT STUB-OUT |
| 6 | SPARE | 230 | 1500 | 6.52 | 20 | 50 | 2 | 10 | | | 20mmØ PVC CONDUIT STUB-OUT |
| 7 | SPARE | 230 | 1500 | 6.52 | 20 | 50 | 2 | 10 | | | 20mmØ PVC CONDUIT STUB-OUT |
| 8 | SPARE | 230 | 1500 | 6.52 | 20 | 50 | 2 | 10 | | | 20mmØ PVC CONDUIT STUB-OUT |
| TOTAL CONNECTED LOAD: | | 13220 | 57.48 | | | | | | | | |

FEEDER LINE COMPUTATION:
I = (57.479 + (12 x 0.25)) 100% DF
I = 60.48 Amps

MAIN CIRCUIT BREAKER COMPUTATION:
I = (57.479 + (12 x 1.5)) 100% DF
I = 75.48 Amps

USE:
100AT/100AF, 2P, MCCB
2-30mm² THHN/THWN-2 (L) + 8.0mm² THHN/THWN-2 (G)
IN 40 mmØ PVC CONDUIT OR IN 32mmØ RSC CONDUIT

| | | | | | | | | | |
|---|---|--|---|---|--|--|--|-------------------------------------|-----------------------------|
| <p>FROM THE OFFICE OF: REPUBLIC OF THE PHILIPPINES PROVINCE OF PAMPANGA PROVINCIAL ENGINEER'S OFFICE CAPITOL COMPOUND, CITY OF SAN FERNANDO, (P)</p> | <p>PROJECT TITLE: CONSTRUCTION OF BARANGAY HEALTH CENTER</p> | <p>PREPARED BY: <i>Michael T. Montemayor</i> MICHAEL T. MONTEMAYOR ENGINEER III</p> | <p>CHECKED BY: <i>Jeannalyn D. Kaluyot</i> JEANNALYN D. KALUYOT ENGINEER II</p> | <p>VERIFIED & SUBMITTED BY: <i>Russel Hernandez</i> RUSSEL HERNANDEZ CONSTRUCTION DIVISION HEAD</p> | <p>RECOMMENDING APPROVAL: <i>Wilfredo A. Manalili</i> WILFREDO A. MANALILI ASSISTANT PROVINCIAL ENGINEER</p> | <p>APPROVED BY: <i>Olimpio M. Pangan</i> OLIMPIO M. PANGAN PROVINCIAL ENGINEER</p> | <p>APPROVED BY: <i>Hon. Dennis G. Pineda</i> HON. DENNIS G. PINEDA GOVERNOR BY THE AUTHORITY OF THE GOVERNOR: <i>Atty. Charlie G. Chua</i> ATTY CHARLIE G. CHUA PROVINCIAL ADMINISTRATOR</p> | <p>SHEET CONTENTS: AS SHOWN</p> | <p>SHEET NO.: E - 1</p> |
| | <p>LOCATION: STA. CATALINA, LUBAO, PAMPANGA</p> | <p>APPROVED BY: <i>Atty. Charlie G. Chua</i> ATTY CHARLIE G. CHUA PROVINCIAL ADMINISTRATOR</p> | <p>SHEET CONTENTS: ELECTRICAL</p> | <p>SHEET NO.: 09 / 09</p> | | | | | |