



1
A-1 PERSPECTIVE VIEW
SCALE : N T S

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REPUBLIC OF THE PHILIPPINES
OFFICE OF THE CITY/MUNICIPAL
ENGINEER/BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

ARCHITECTURAL

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STRUCTURAL

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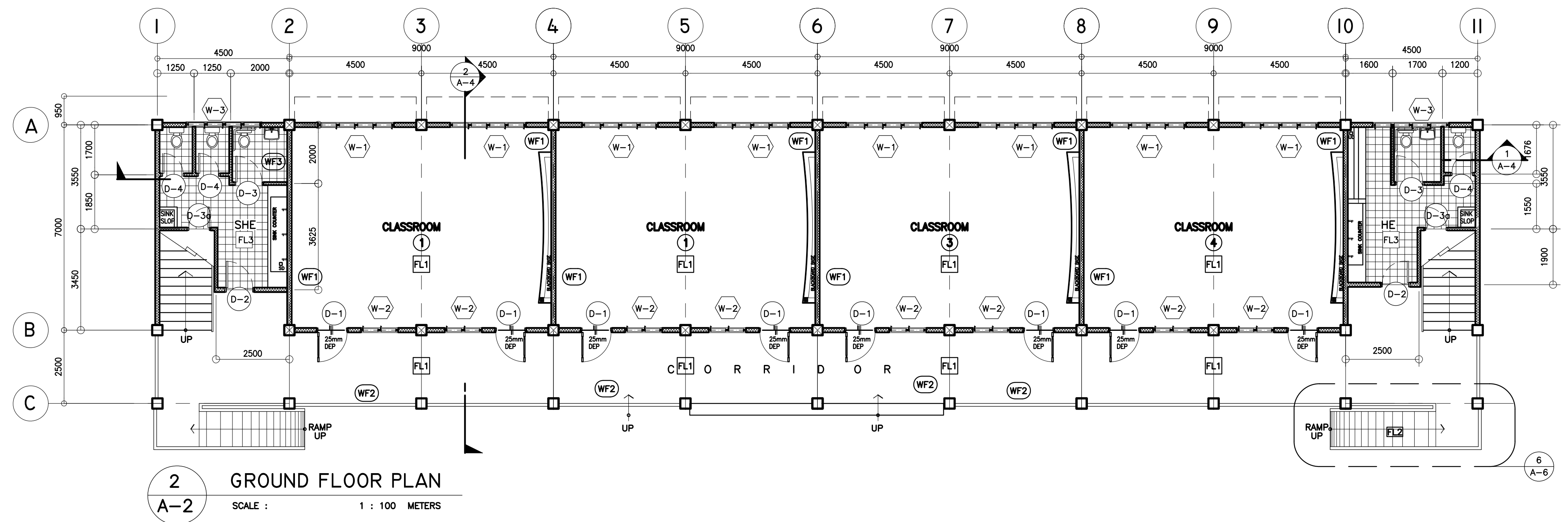
ARCHITECTURAL

STRUCTURAL

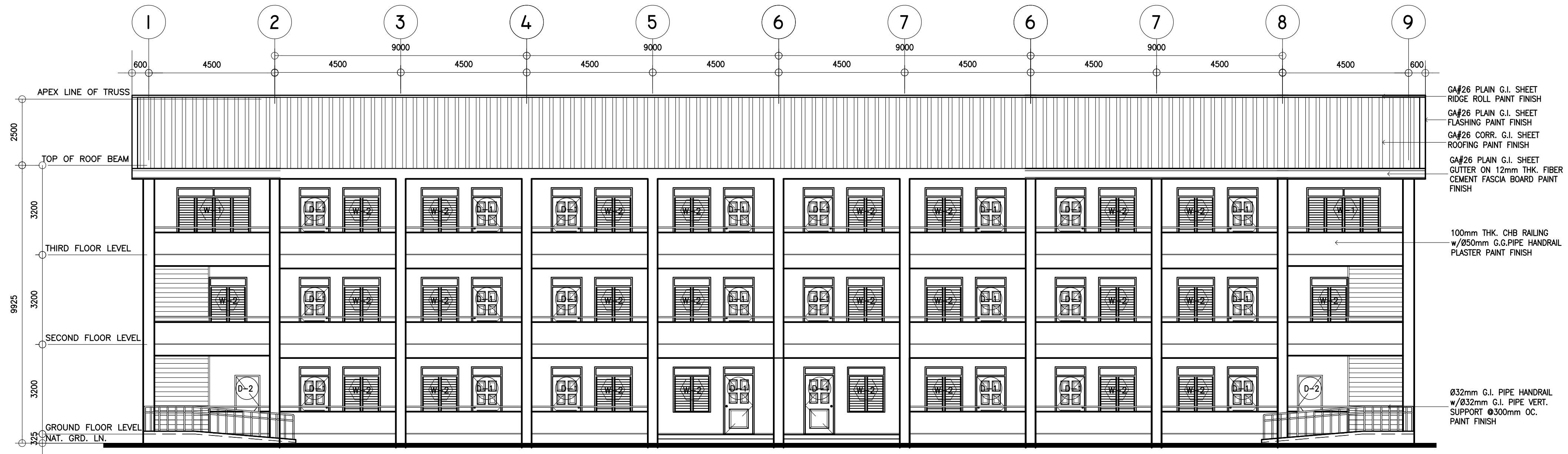
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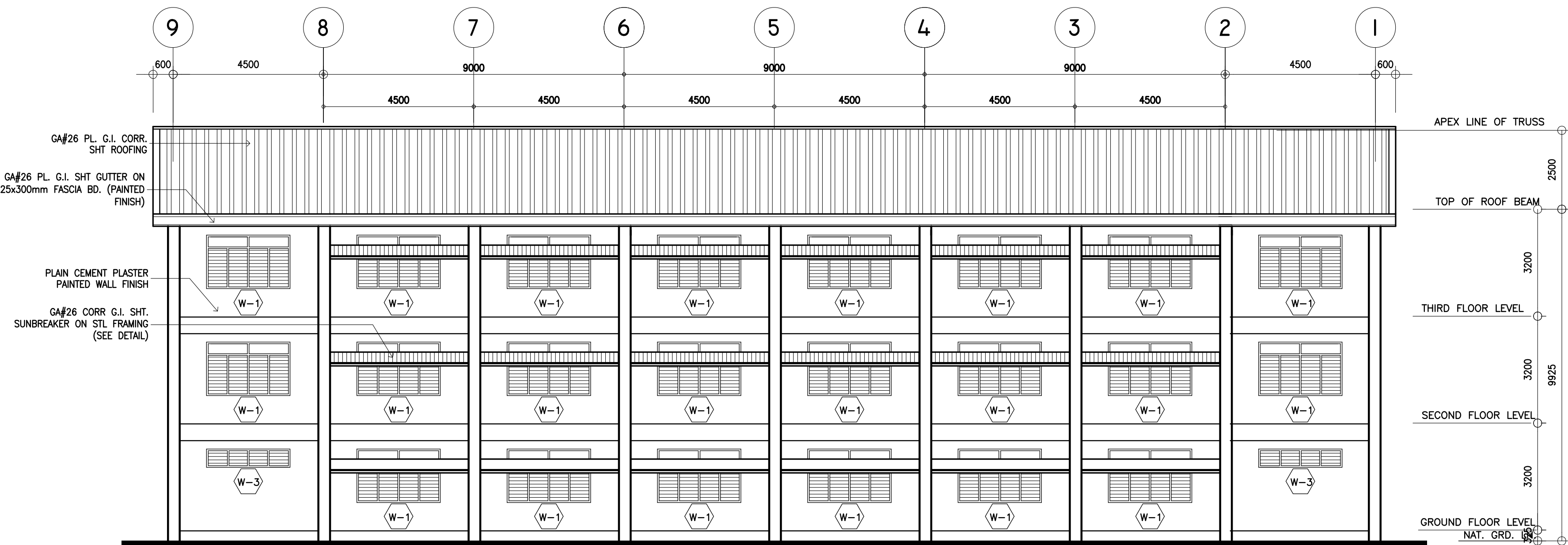
MECHANICAL














- WF1 - 150 MM THK. CHB W/ PLAIN CEMENT PLASTER FIN (PAINTED)
- WF2 - 100 MM THK. CHB W/ PLAIN CEMENT PLASTER FIN (PAINTED) 50mmØ G.I. PIPE FOR HANDRAIL
- WF3 - 200X200 VITRIFIED WALL TILES (GLAZED)



1 FRONT ELEVATION
A-3 SCALE : 1 : 100 METERS

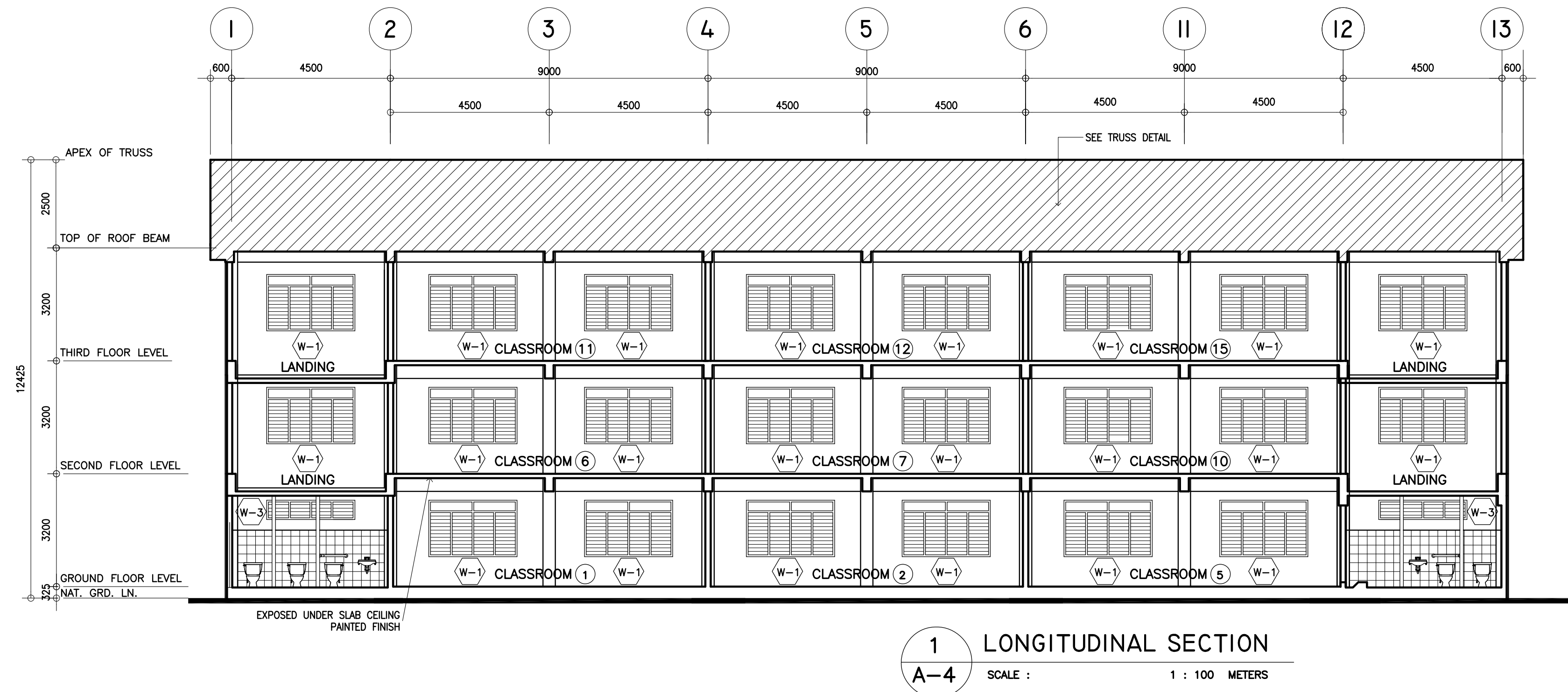
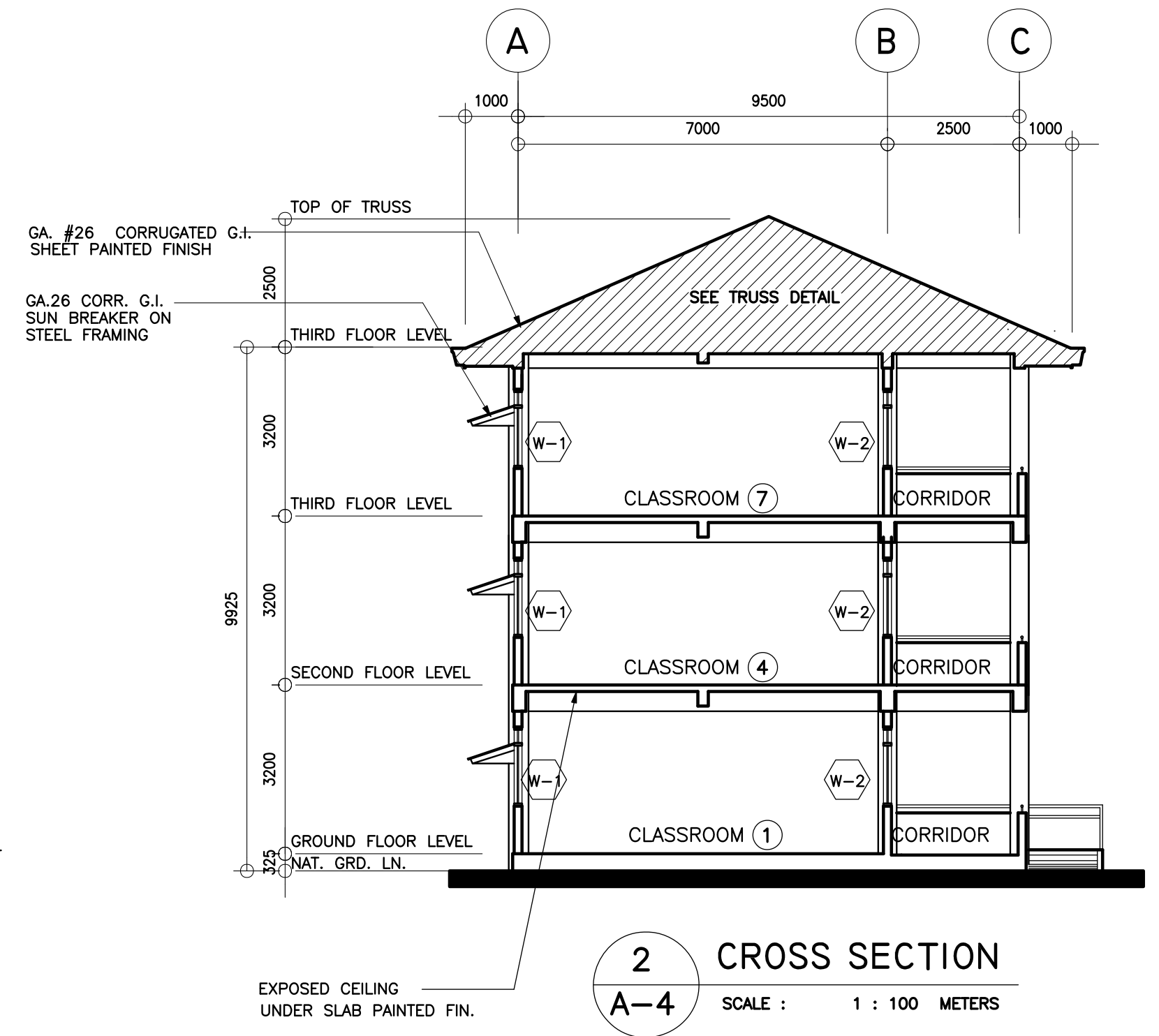
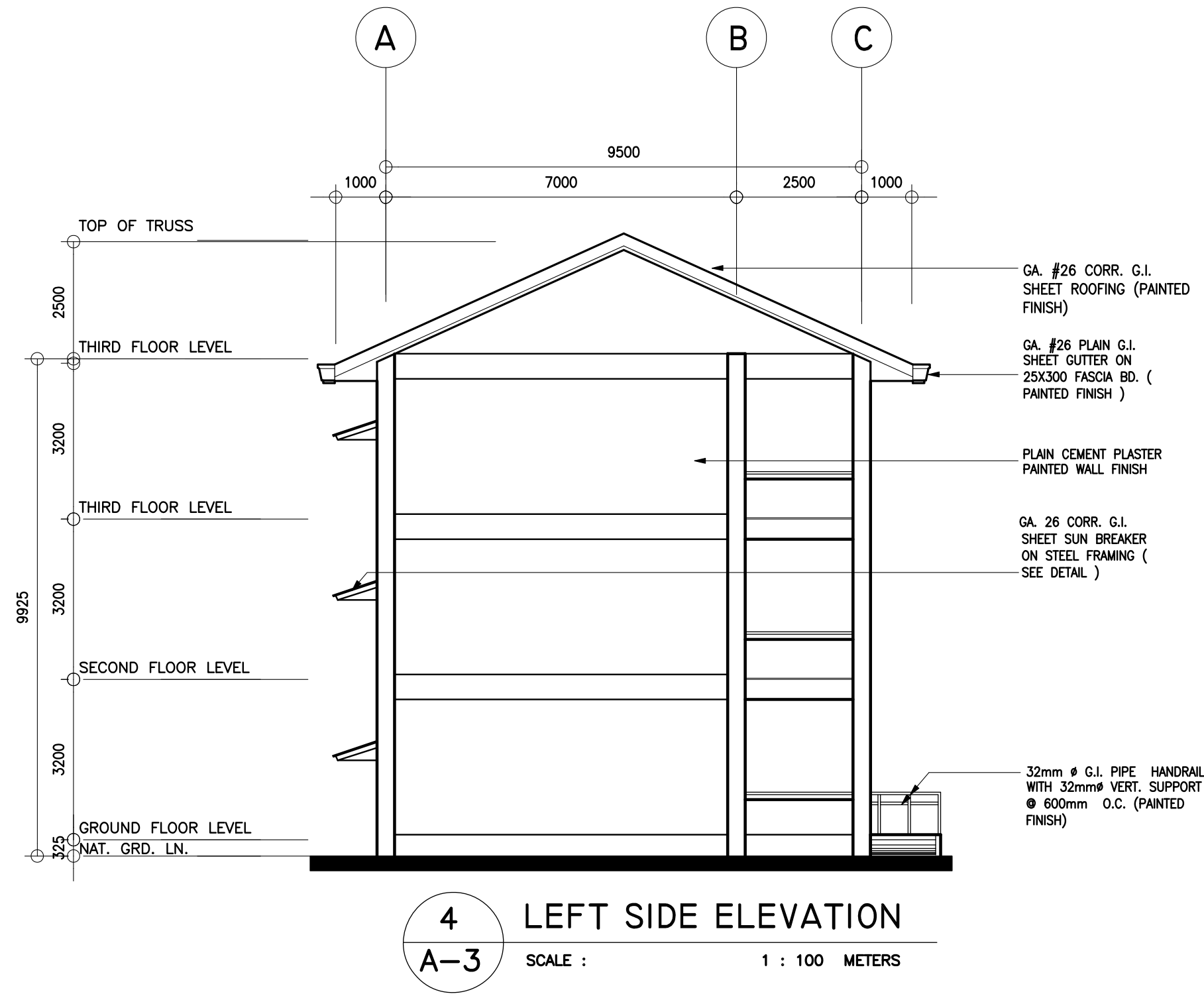
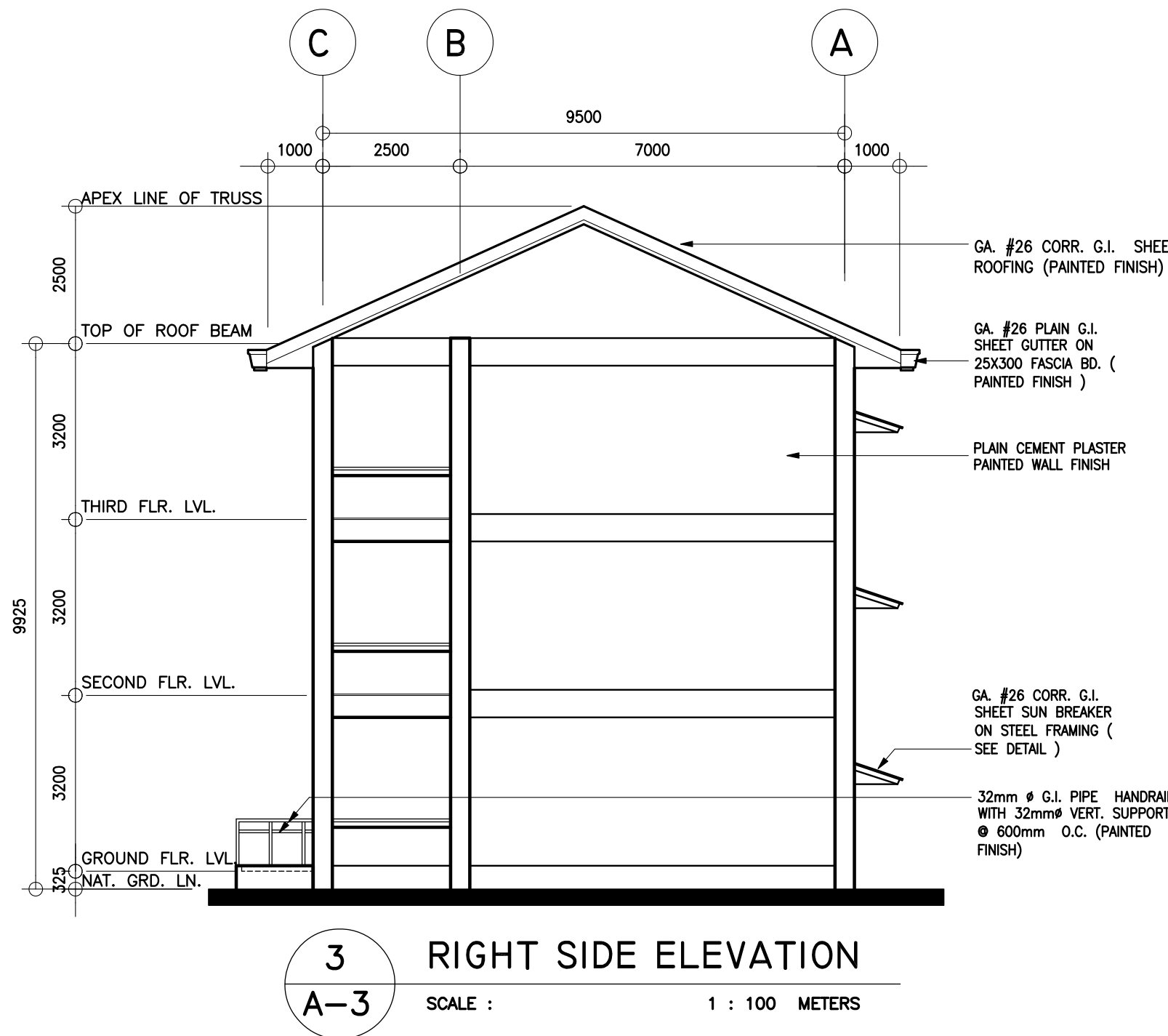


2 REAR ELEVATION
A-3 SCALE : 1 : 100 METERS

| | | | | | | | | | | |
|--|---|--|--|---|--|---|---|--------------------|----------------------------------|-----------------------------------|
| <div><div>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepEd) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</div></div> | CONSULTANT / DESIGNER | | REVIEWED BY: | RECOMMENDING APPROVAL : | APPROVED FOR ACCREDITATION : | CONCURRED : | PROJECT TITLE : | PROJECT NO: 01-002 | OWNER : | SHEET NO: <div>A-3 8</div> |
| | <div> ALBERT Z. DE BELEN</div> | | <div> RAMON C. BACANI</div> | <div> GILBERT S. REYES</div> | <div> RAMON C. BACANI</div> | <div> RAMON C. BACANI</div> | THREE STOREY NINE CLASSROOM SCHOOL BUILDING | DESIGNED BY: AZB | DEPARTMENT OF EDUCATION DepEd | |
| | ARCHITECT IV PRC NO. : 0010990 PTR NO. : TIN : 149 460 161 DATE : 27 OCT. 2002 | | <div> RAMON C. BACANI CHIEF, ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH</div> | <div> RAMON C. BACANI OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</div> | <div> RAMON C. BACANI OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</div> | <div> RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepEd)</div> | LOCATION : | ENCODED BY: Max C | SHEET CONTENTS : | |
| | | | | | | | | CHECKED BY: | FRONT, REAR ELEVATIONS | |
| | | | | | | | | DATE : 01 03 | | |

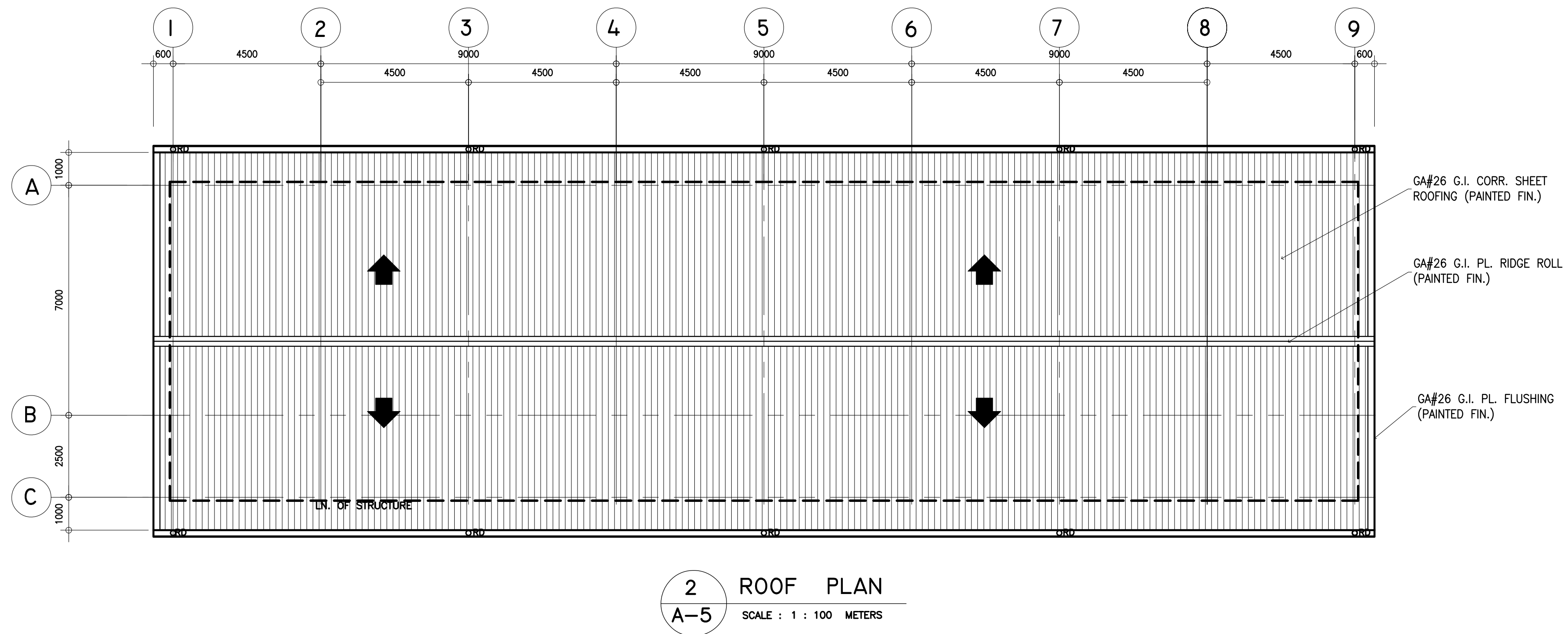
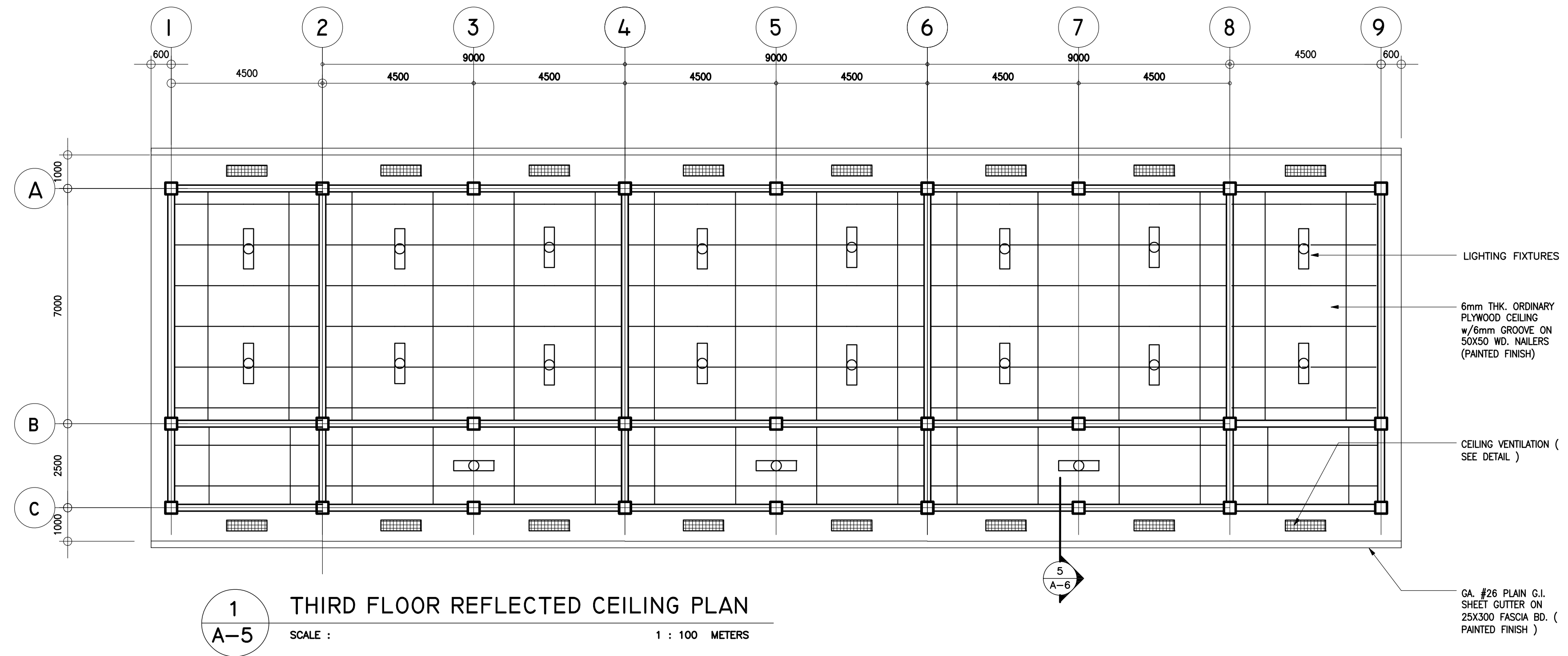
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REP. ACT 545



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|---|---|---|--|--|--|--|---|--|---------------------------------------|
| <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p> | <p>CONSULTANT / DESIGNER ALBERT Z. DE BELEN ARCHITECT IV PRC NO. : 0010990 TIN : 149 460 161 PTR NO. : DATE : 27 OCT. 2002</p> | <p>REVIEWED BY: EMMANUEL M. MONTAPAY CHIEF ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH</p> | <p>RECOMMENDING APPROVAL : SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p> | <p>APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p> | <p>CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p> | <p>PROJECT TITLE : THREE STOREY NINE CLASSROOM SCHOOL BUILDING LOCATION :</p> | <p>PROJECT NO: 01-002 DESIGNED BY: AZB ENCODED BY: Max C CHECKED BY: DATE : 01 03</p> | <p>OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : RIGHT & LEFT SIDE ELEV., LONGITUDINAL & CROSS SECTION</p> | <p>SHEET NO: A-4 8</p> |
|---|---|---|--|--|--|--|---|--|---------------------------------------|

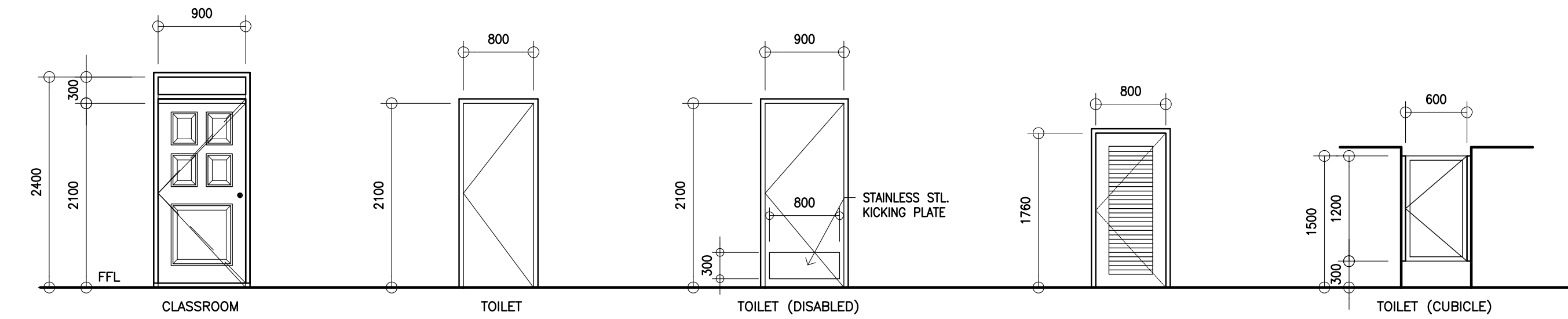
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|---|--|---|--|--|--|---|--|--|-------------------------------------|

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REP. ACT 545



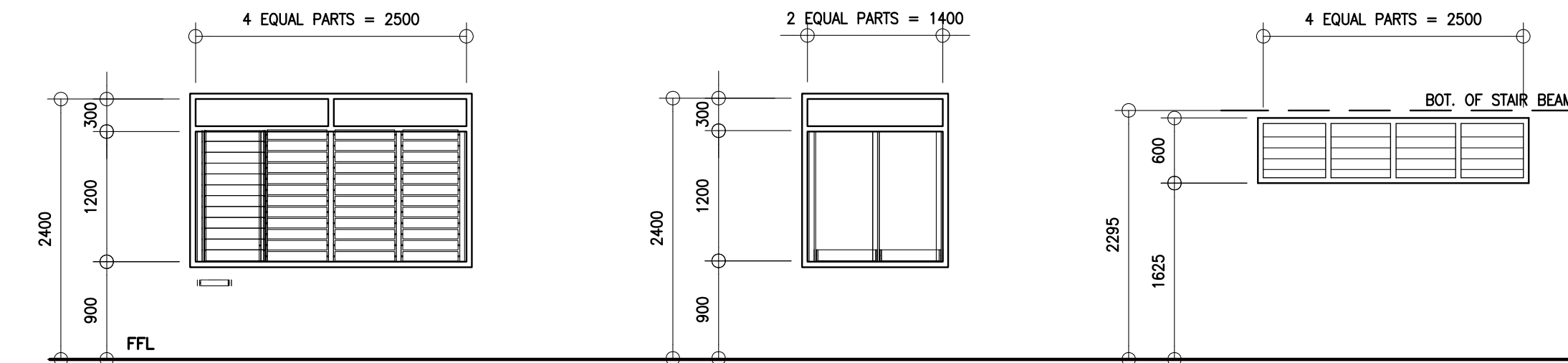
D-1 TANGLE PANEL DOOR ON 50X150 MM THK. YACAL/GUJO JAMB W/ FIXED CLEAR GLASS TRANSOM COMPLETE WITH HARDWARE AND ACCESSORIES

D-2 HOLLOW CORE FLUSH TYPE SWING DOOR W/ MARINE PLYWOOD FACING INSIDE AND ORDINARY OUTSIDE COMPLETE W/ HARDWARE AND ACCESSORIES

D-3 HOLLOW CORE FLUSH TYPE SWING DOOR W/ MARINE PLYWOOD FACING INSIDE AND ORDINARY OUTSIDE COMPLETE W/ HARDWARE AND ACCESSORIES PROVIDE KICK PLATE

D-3a LOUVER DOOR ON 50X100 YACAL/GUJO DOOR JAMB COMPLETE WITH HARDWARE ACCESSORIES

D-4 SWING DOOR ON 50X100 YACAL/GUJO DOOR JAMB COMPLETE WITH HARDWARE ACCESSORIES

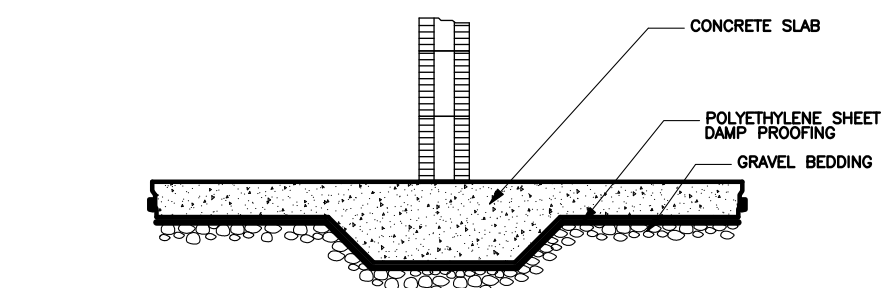


W-1 JALOUSIE WINDOWS WITH CLEAR GLASS BLADES ON STANDARD ALUMINIUM CASING AND FIXED CLEAR GLASS TRANSOM ON 50X150 YACAL/GUJO JAMB COMPLETE WITH HARDWARE AND ACCESSORIES

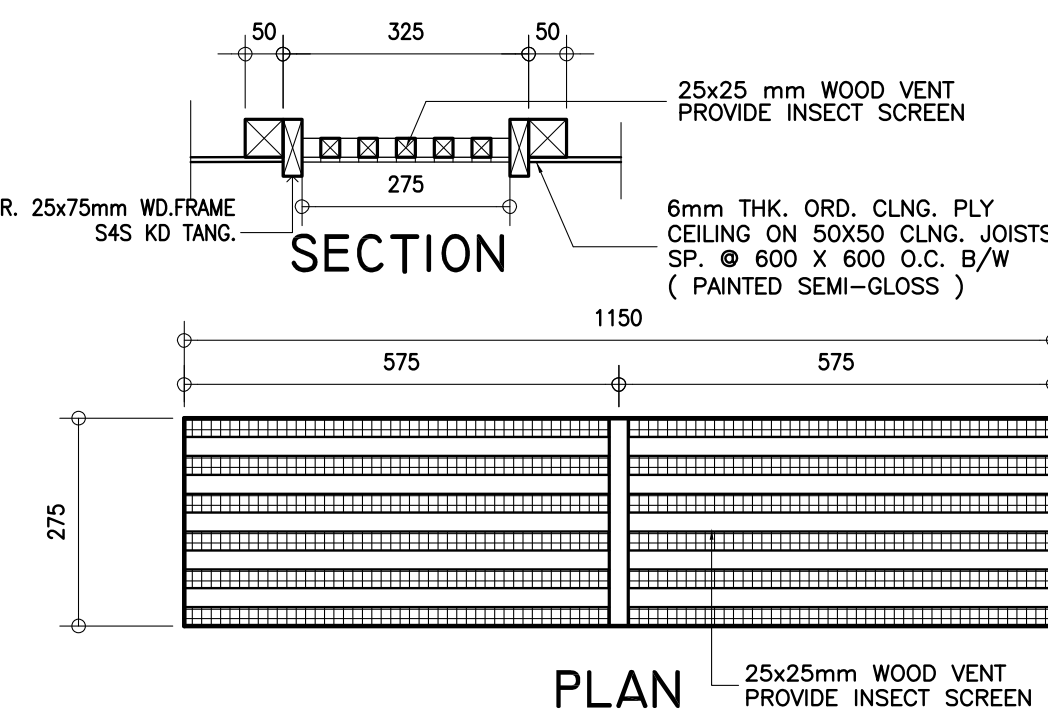
W-2 JALOUSIE WINDOWS WITH CLEAR GLASS BLADES ON STANDARD ALUMINIUM CASING AND FIXED CLEAR GLASS TRANSOM ON 50X150 YACAL/GUJO JAMB COMPLETE WITH HARDWARE AND ACCESSORIES

W-3 JALOUSIE WINDOWS WITH CLEAR GLASS BLADES ON STANDARD ALUMINIUM CASING ON 50X150 YACAL/GUJO JAMB COMPLETE WITH HARDWARE AND ACCESSORIES

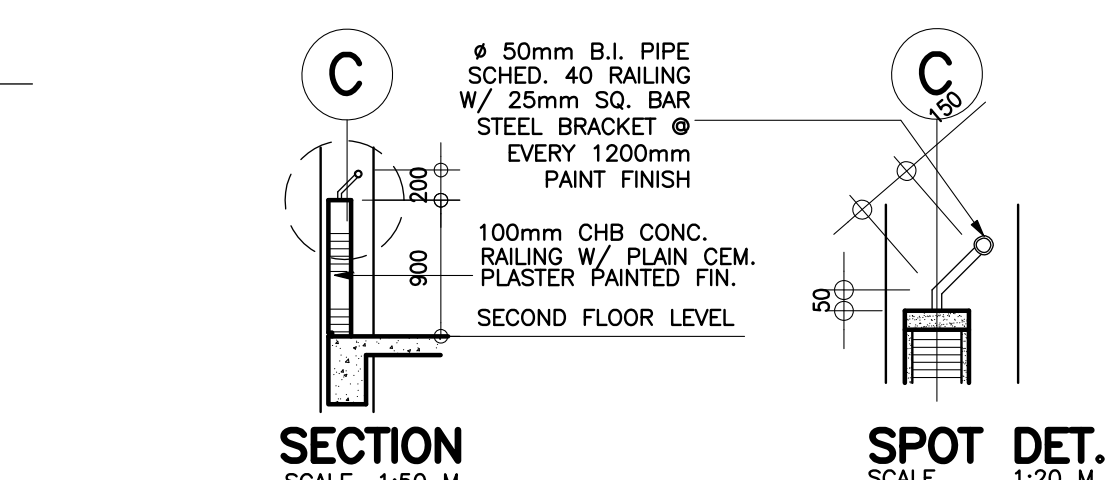
1 SCHEDULE OF DOORS & WINDOWS
SCALE : 1 : 50 METERS



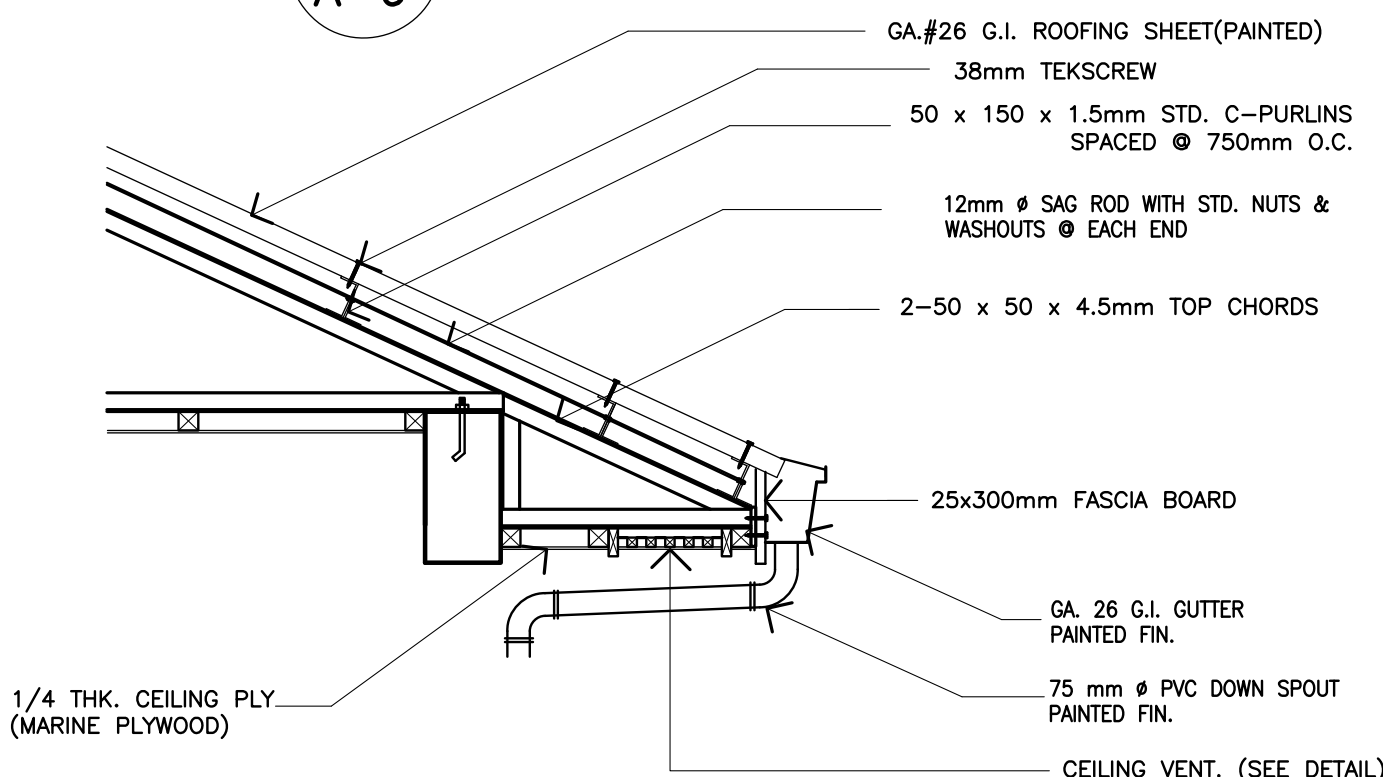
2 DAMP PROOFING DET.
SCALE : NOT TO SCALE



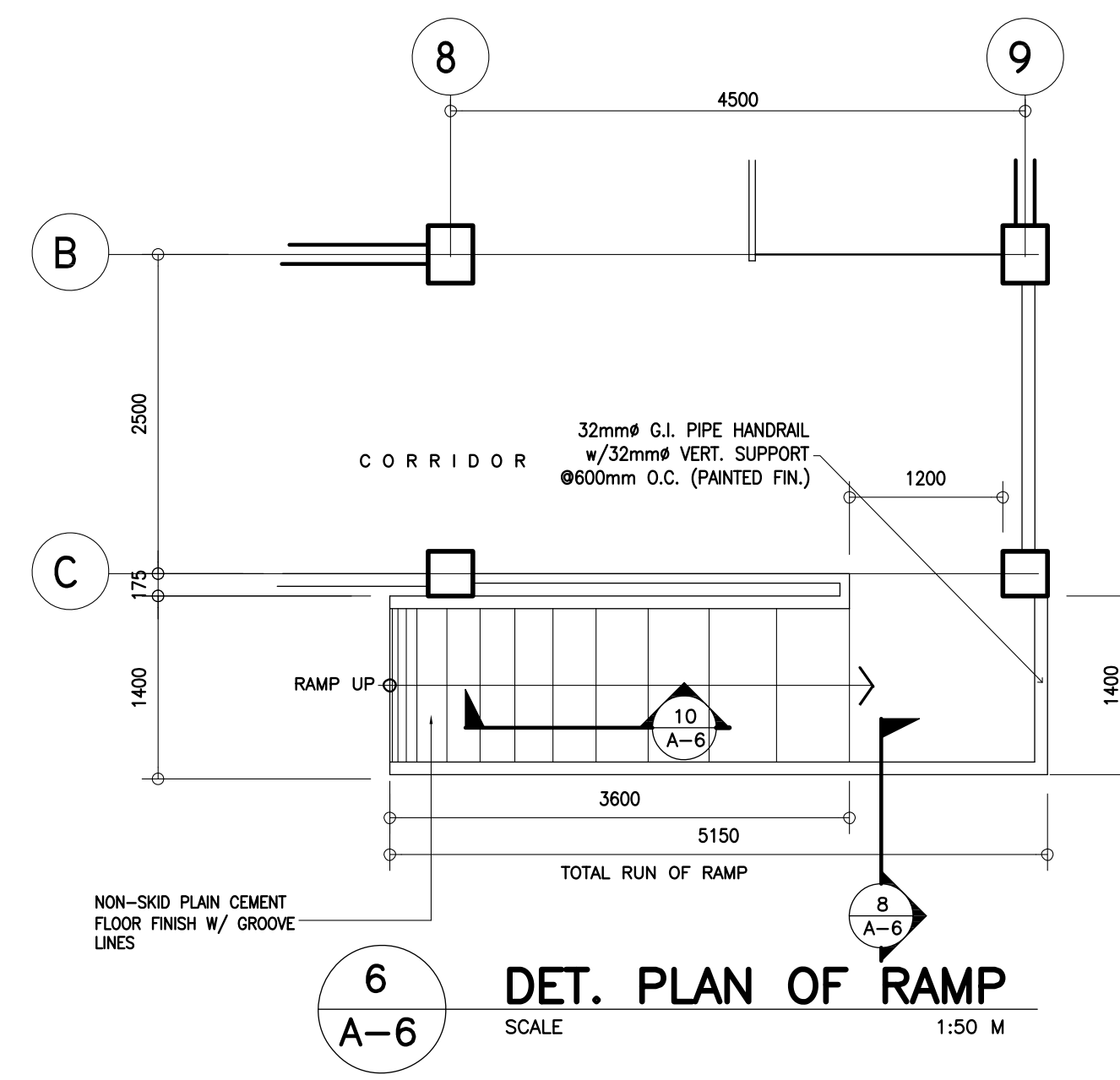
3 CEILING VENT DETAIL
SCALE : 1 : 10 M



4 DETAIL OF BALCONY RAILING
SCALE : AS SHOWN



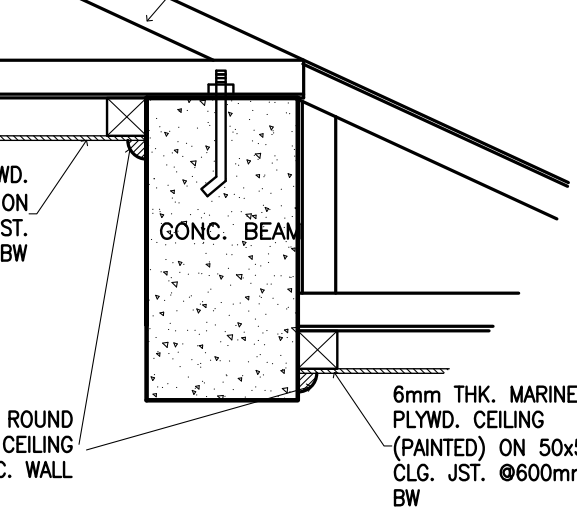
5 EAVES SECTION
SCALE : 1 : 20 M



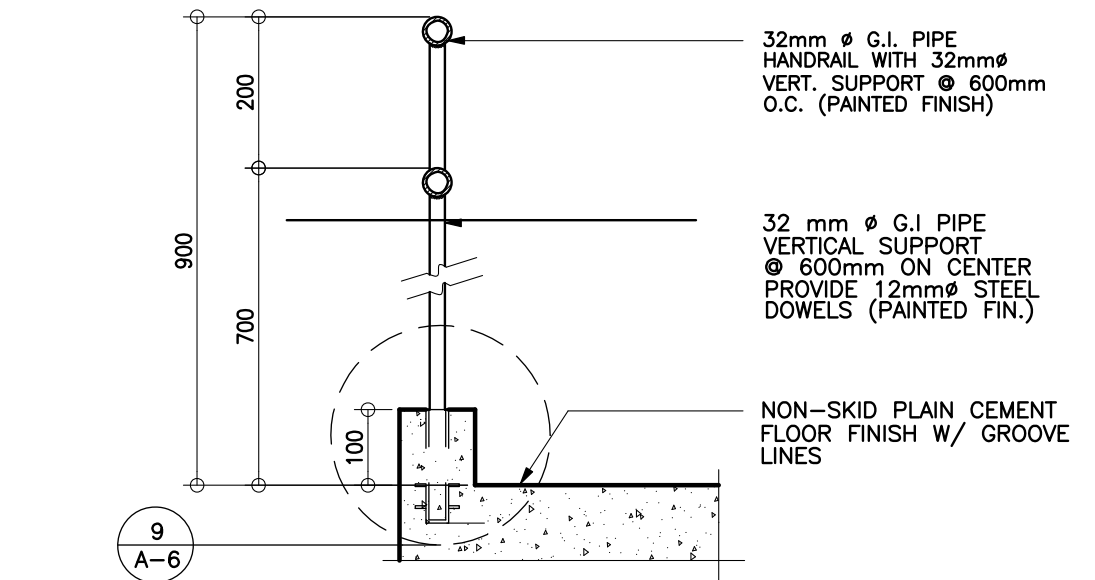
6 DET. PLAN OF RAMP
SCALE : 1:50 M



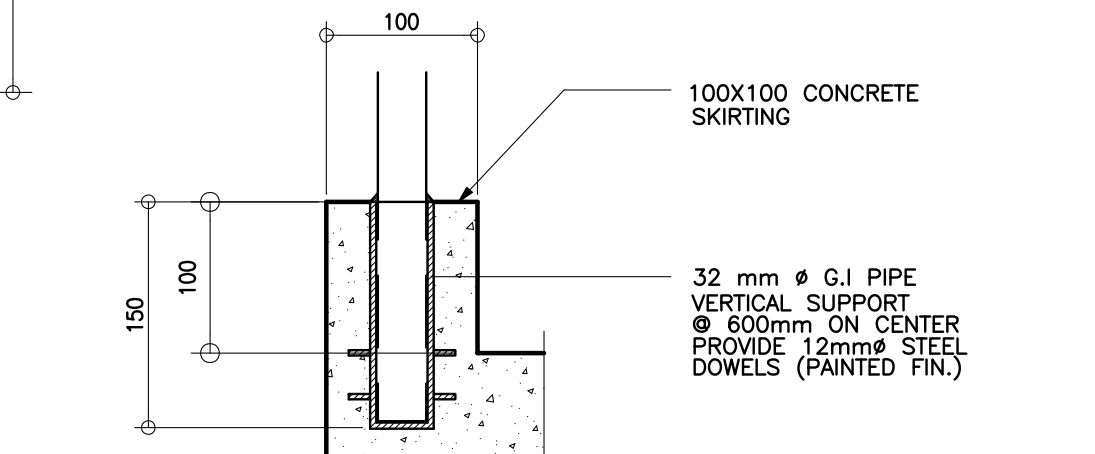
7 DET. ELEVATION OF RAMP
SCALE : 1:50 M



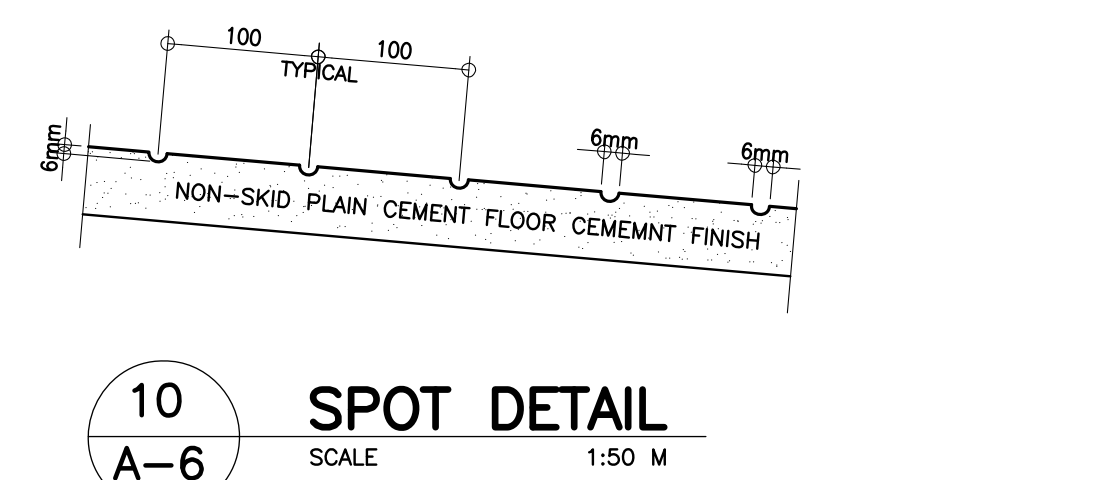
5a SPOT DETAIL
SCALE : 1 : 10 M



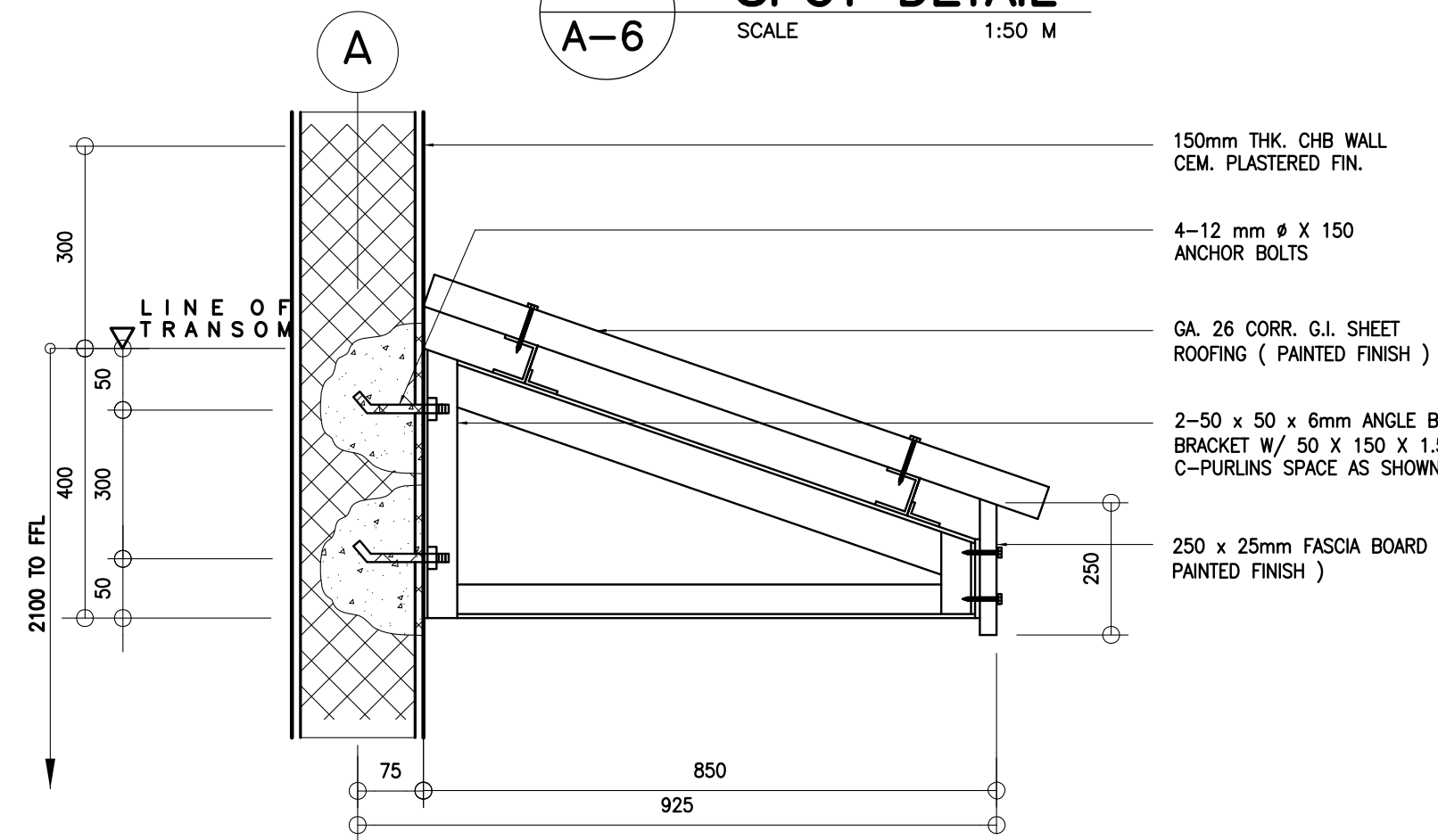
8 DETAIL SECTION
SCALE : 1:10 M



9 SPOT DETAIL
SCALE : 1:5 M



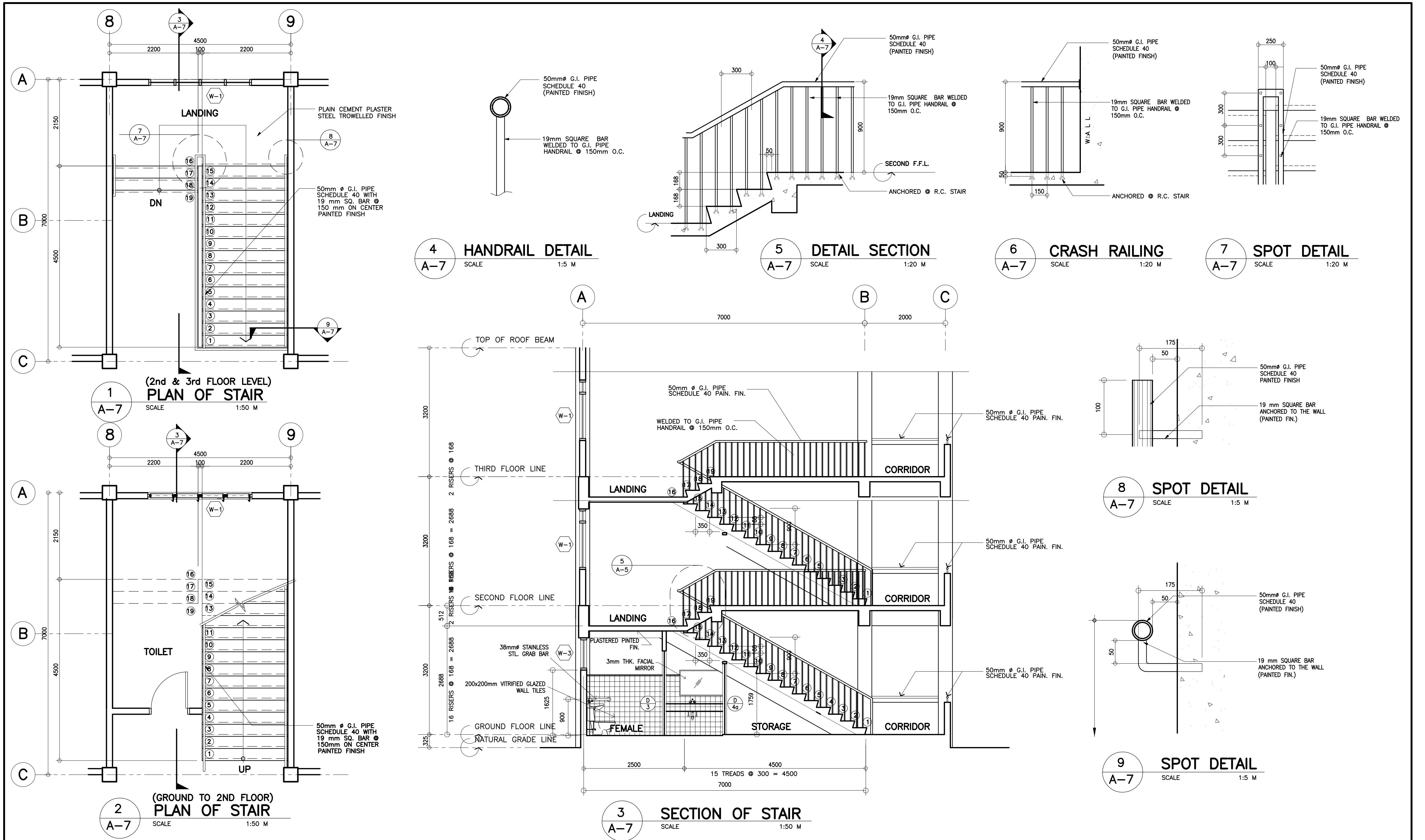
10 SPOT DETAIL
SCALE : 1:50 M



11 SUN BREAKER DETAIL
SCALE : 1:10 M

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|---|---|---|--|--|--|---|---|---|---------------------------------------|
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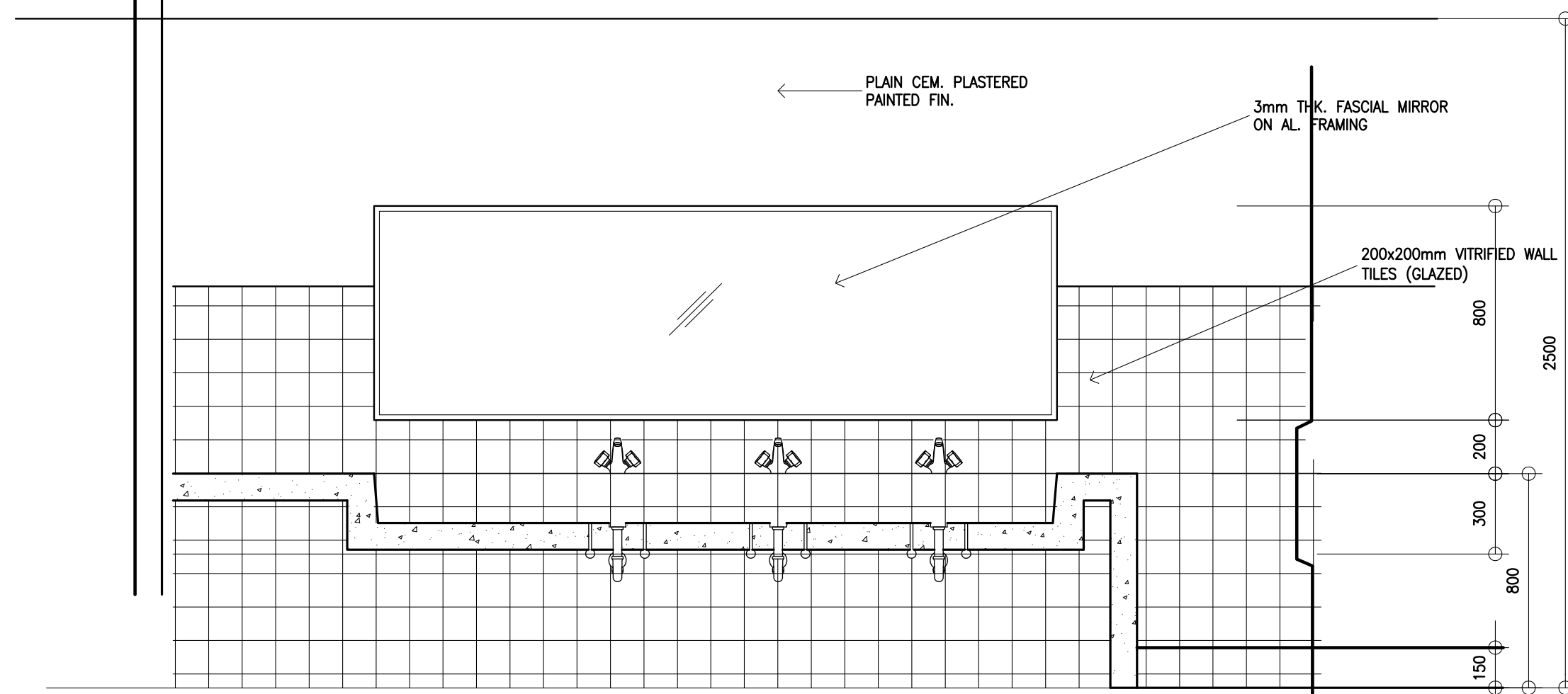
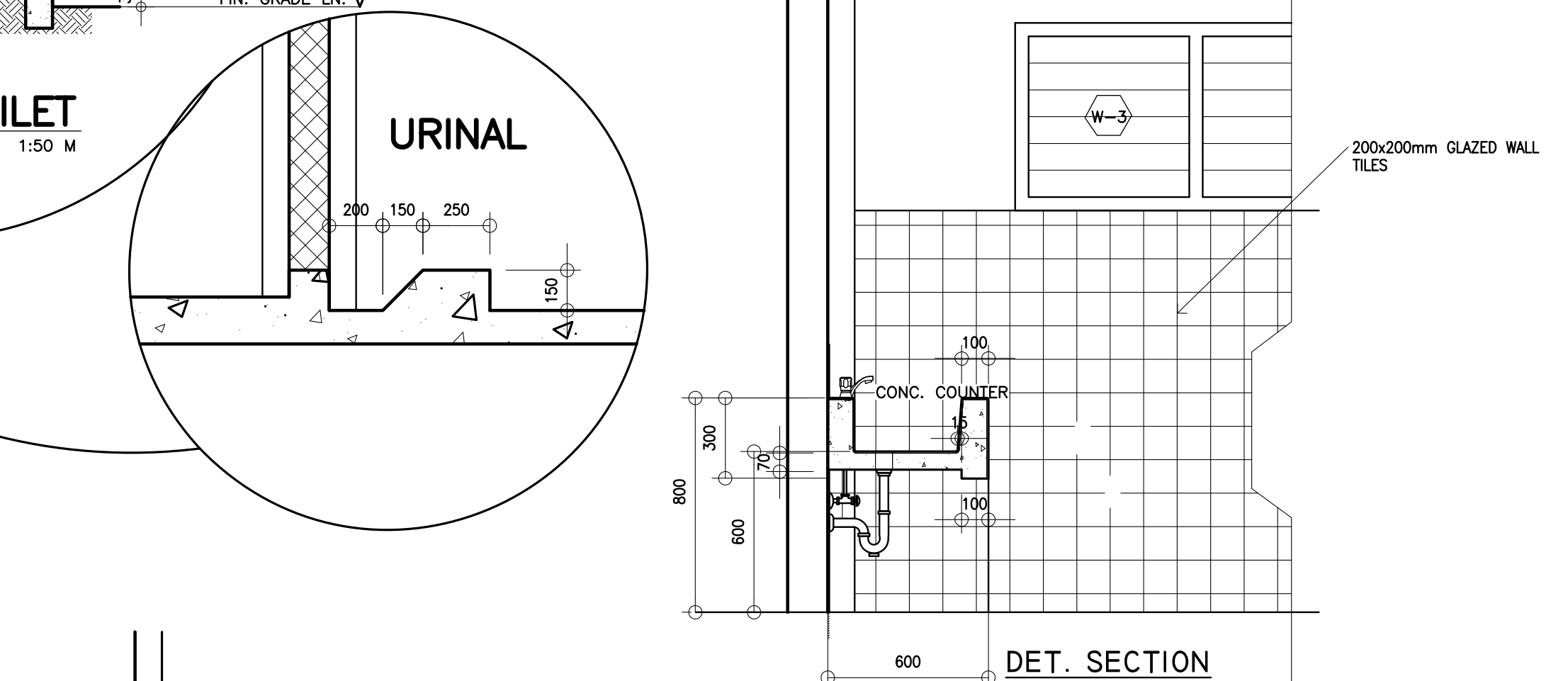
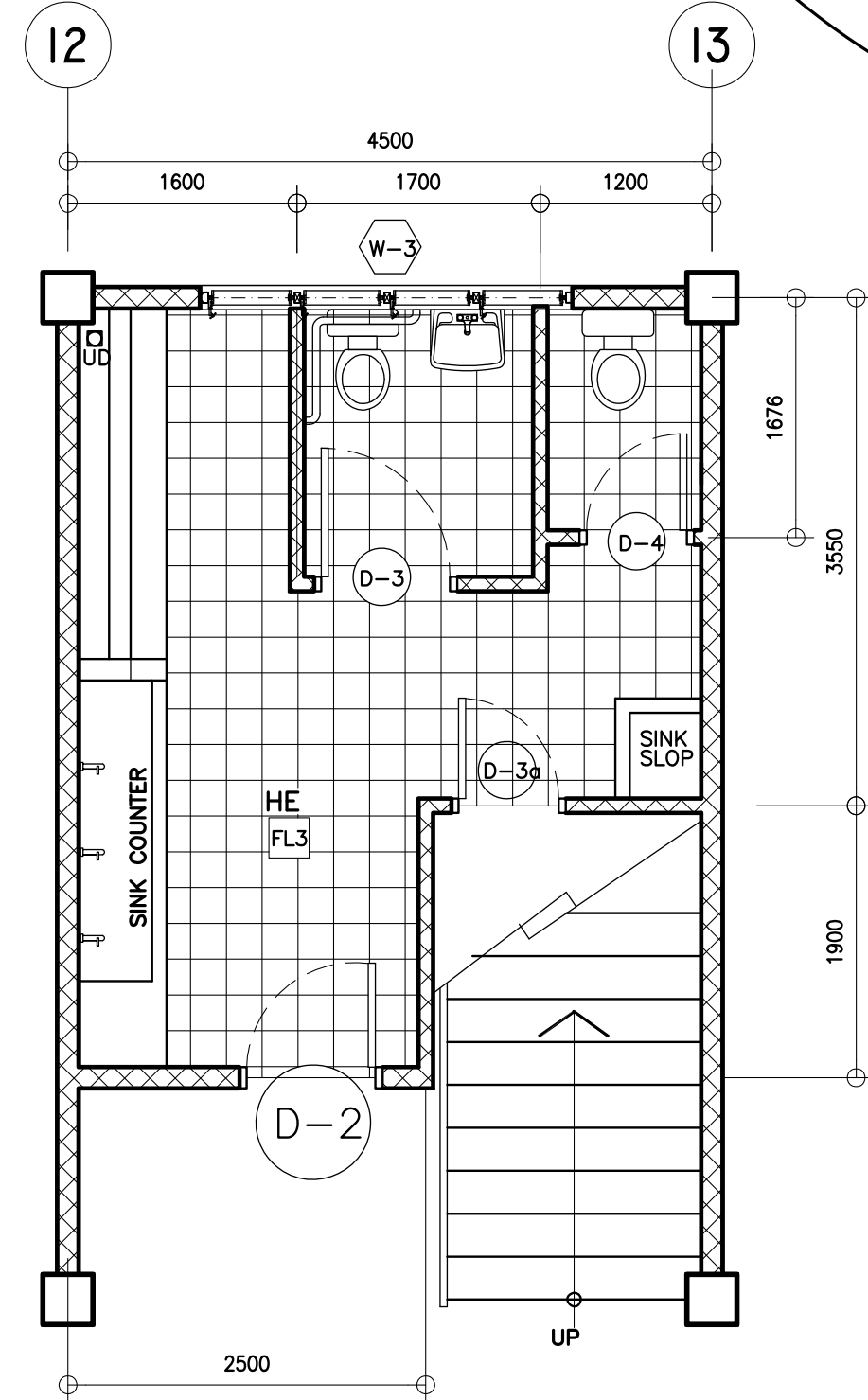
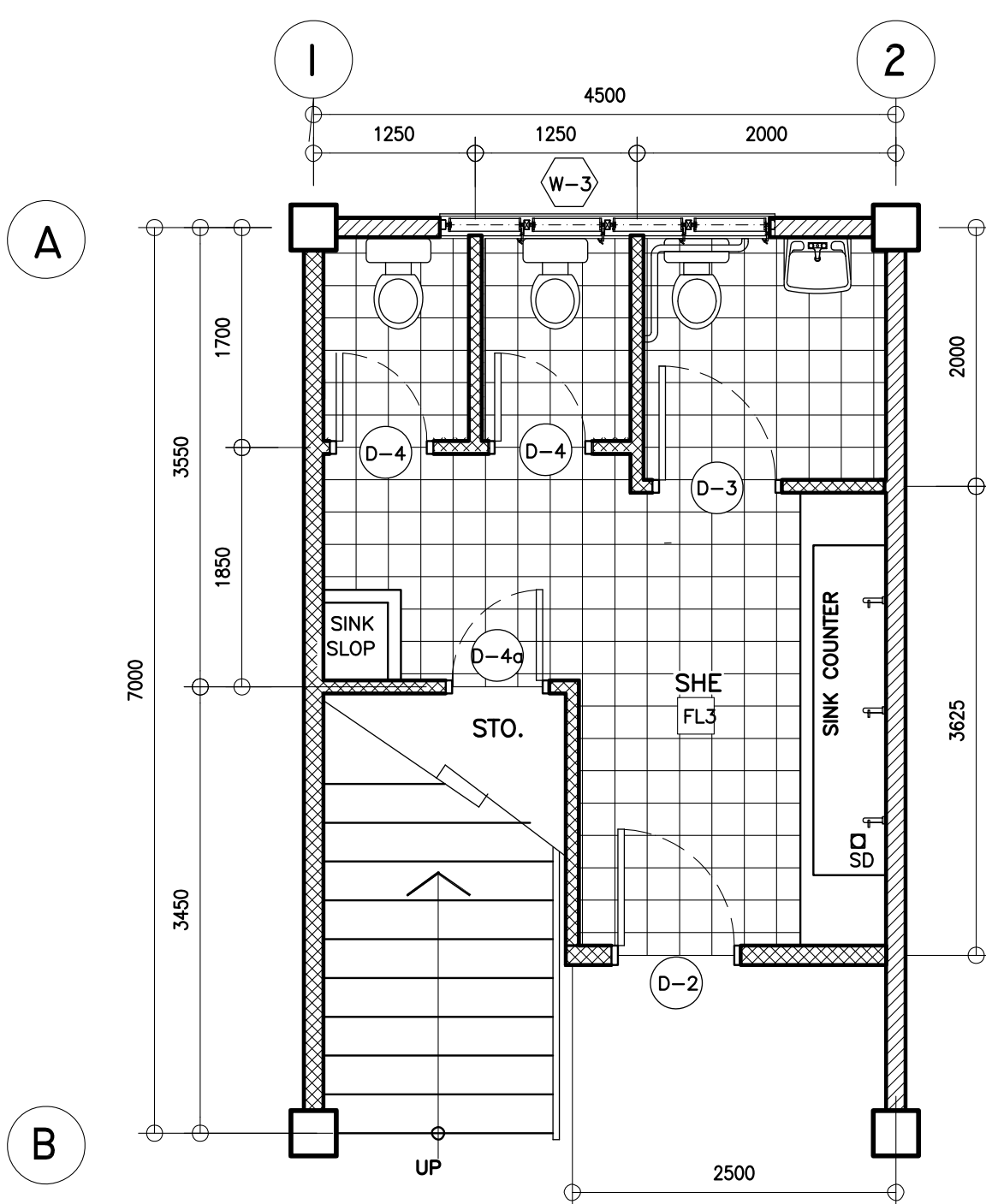
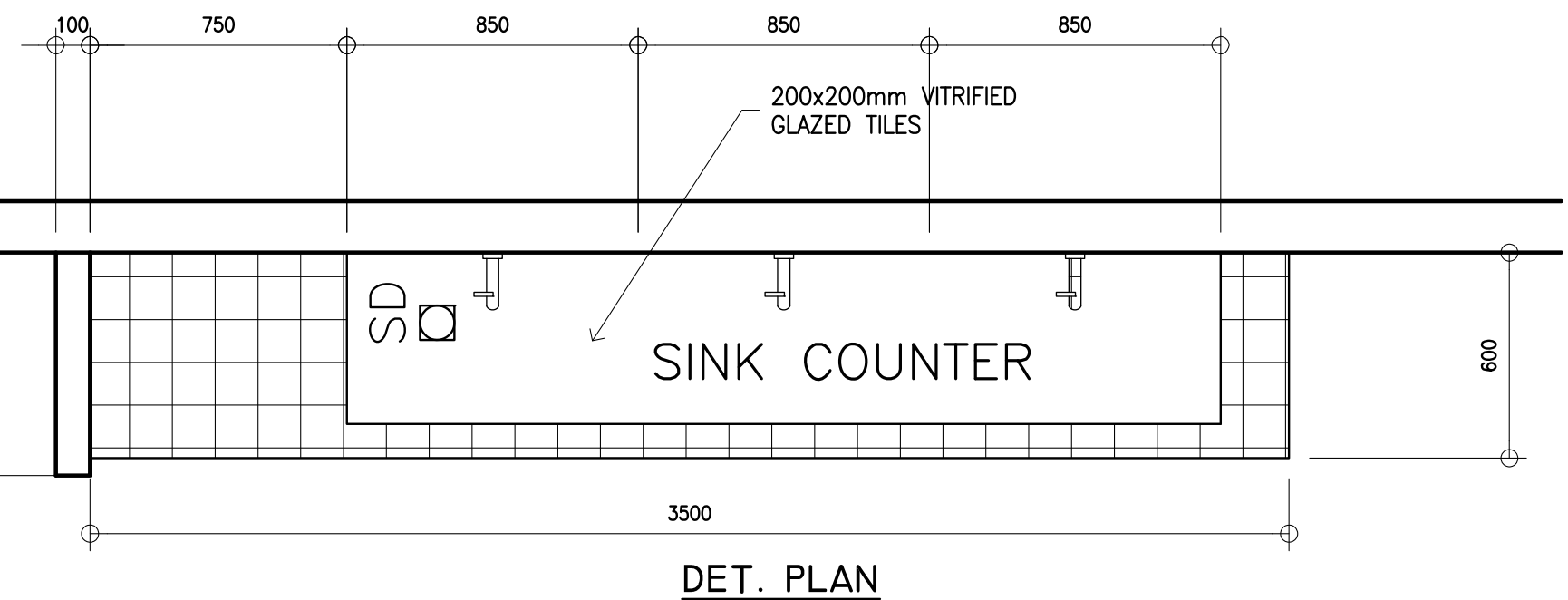
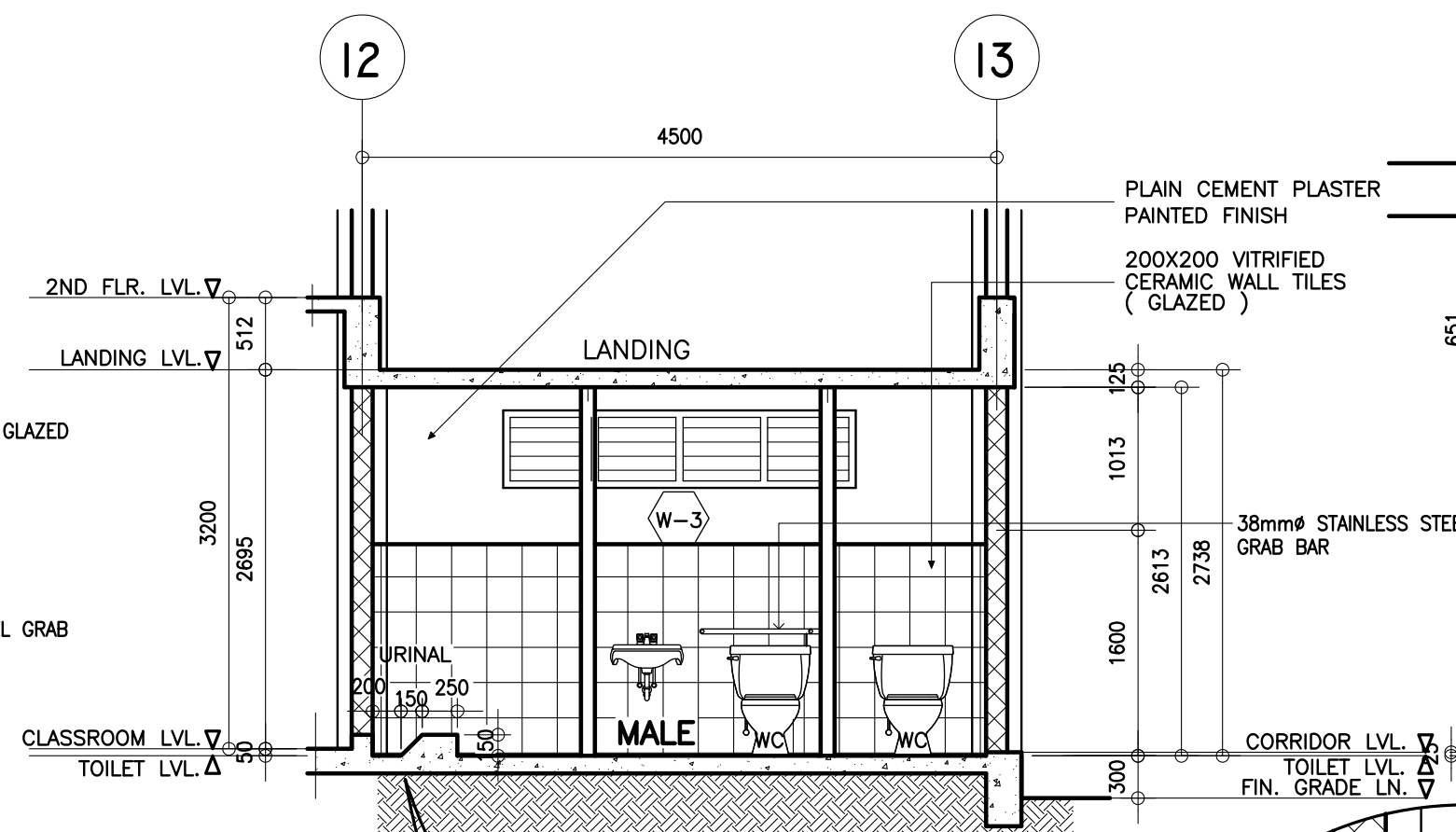
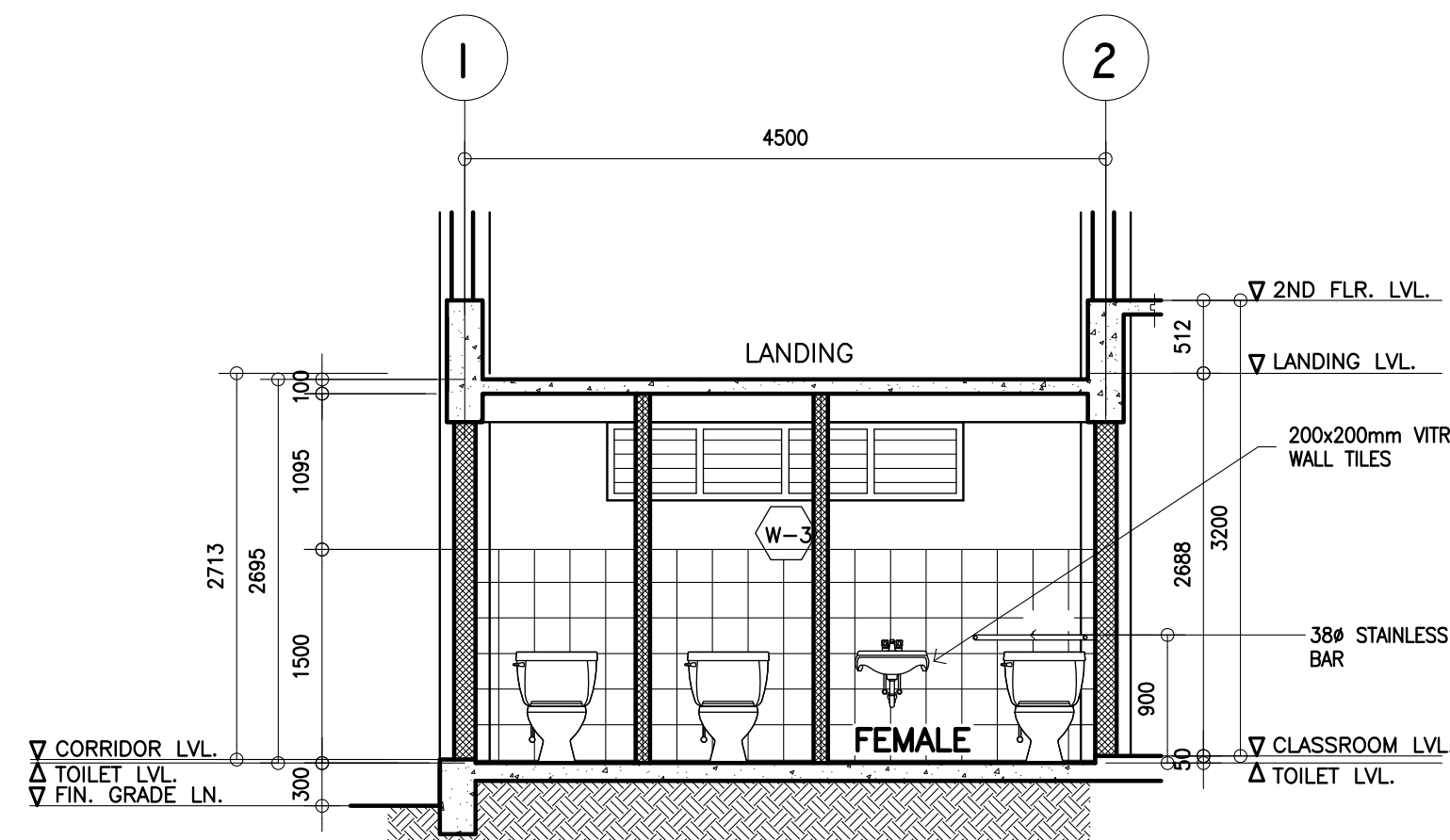
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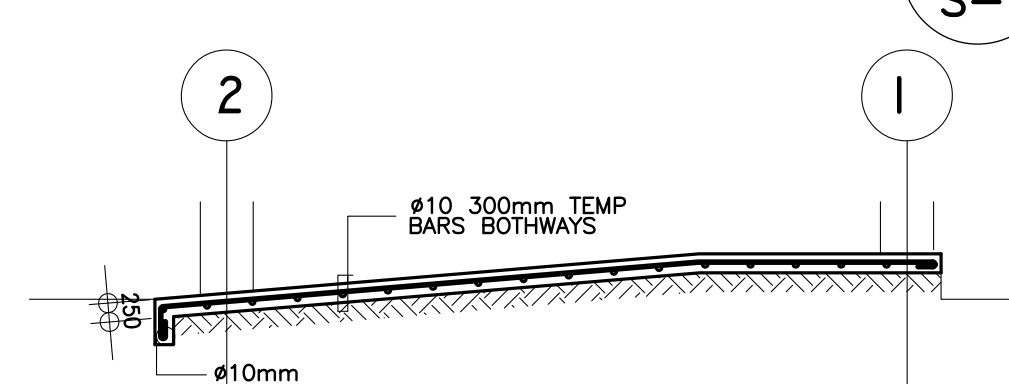
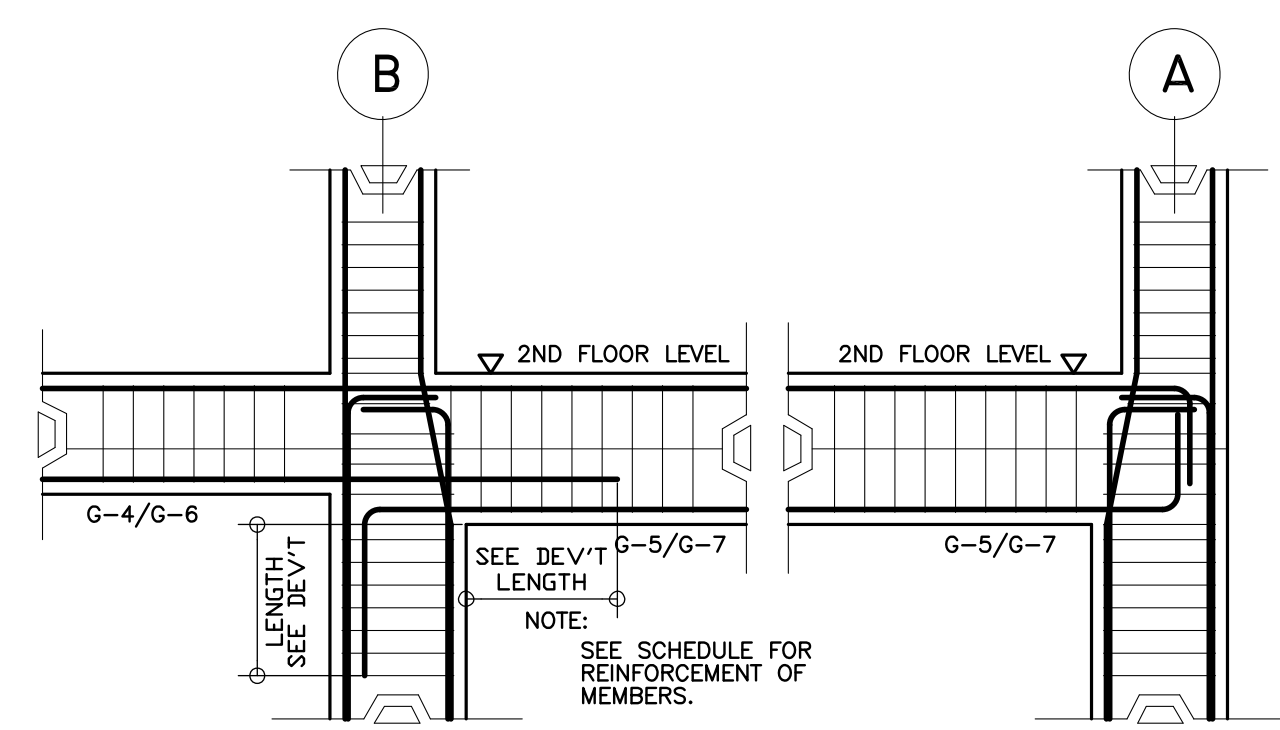
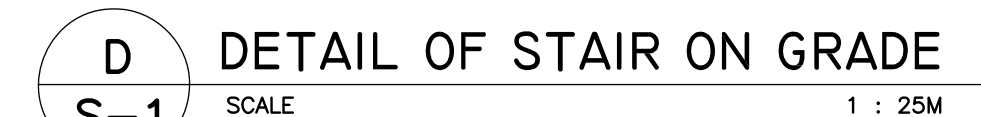
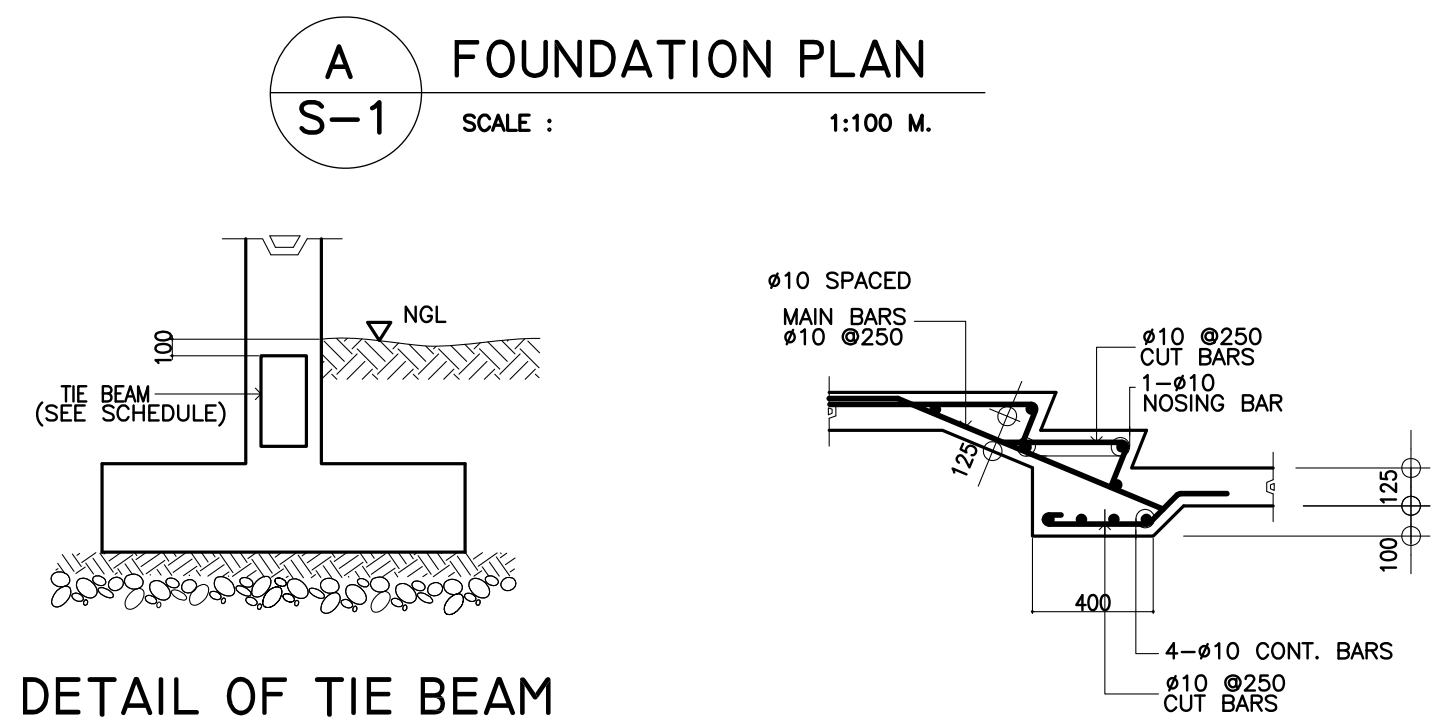
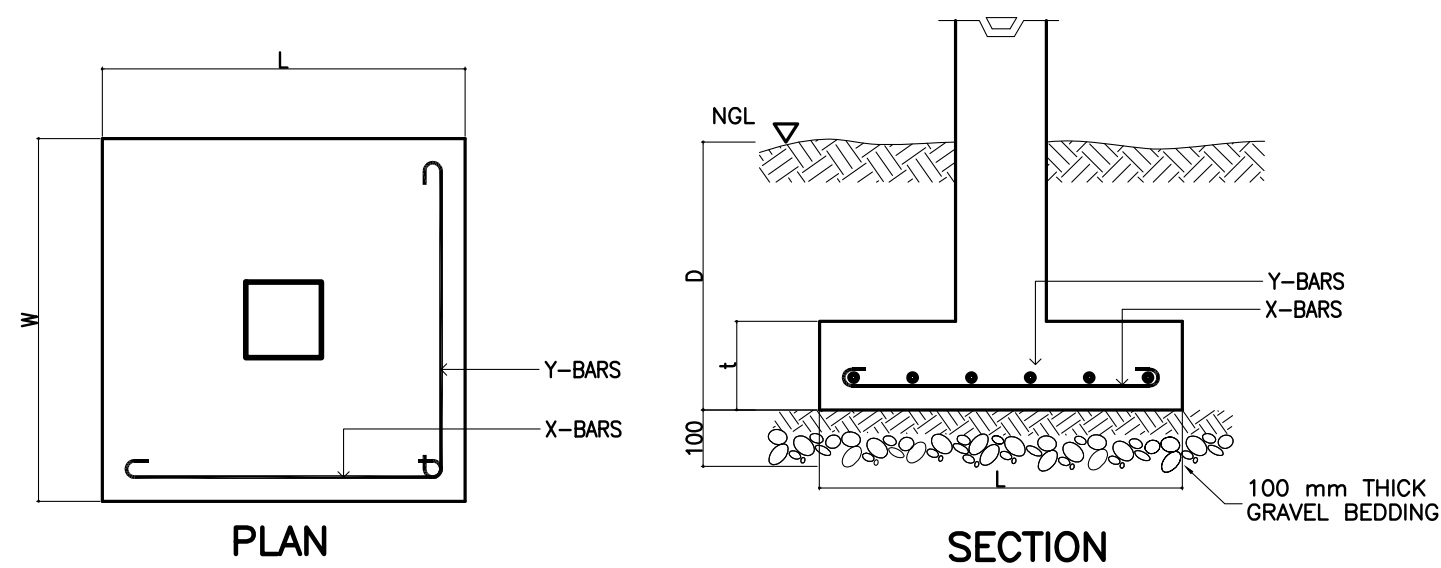
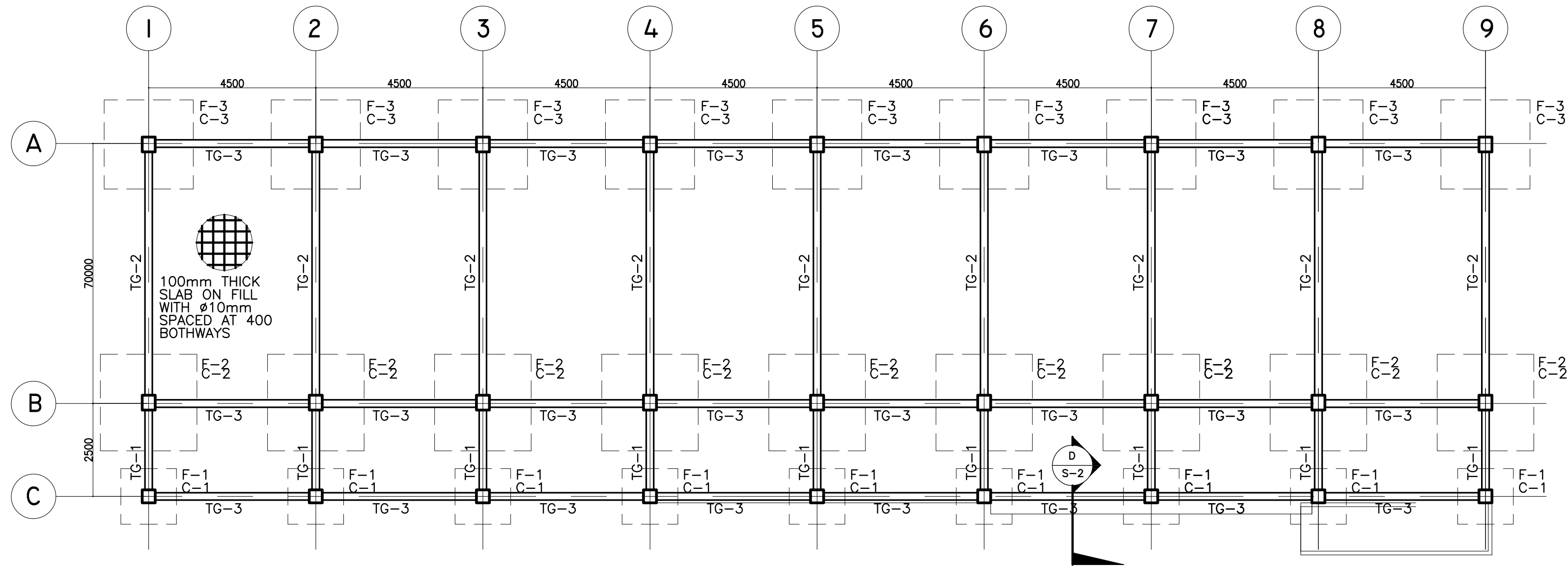
REP. ACT 545



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| <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p> | <p>CONSULTANT / DESIGNER ALBERT Z. DE BELEN ARCHITECT IV PRC NO. : 0010990 TIN : 149 460 161 PTR NO. : DATE : 27 OCT. 2002</p> | <p>REVIEWED BY: EMMANUEL M. MONTAPAY CHIEF / ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH</p> | <p>RECOMMENDING APPROVAL : SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p> | <p>APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p> | <p>CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p> | <p>PROJECT TITLE : THREE STOREY NINE CLASSROOM SCHOOL BUILDING LOCATION :</p> | <p>PROJECT NO: 01-002 DESIGNED BY: AZB ENCODED BY: Max C CHECKED BY: DATE : 01 03</p> | <p>OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : TOILETS DETAIL</p> | <p>SHEET NO: A-8 8</p> |
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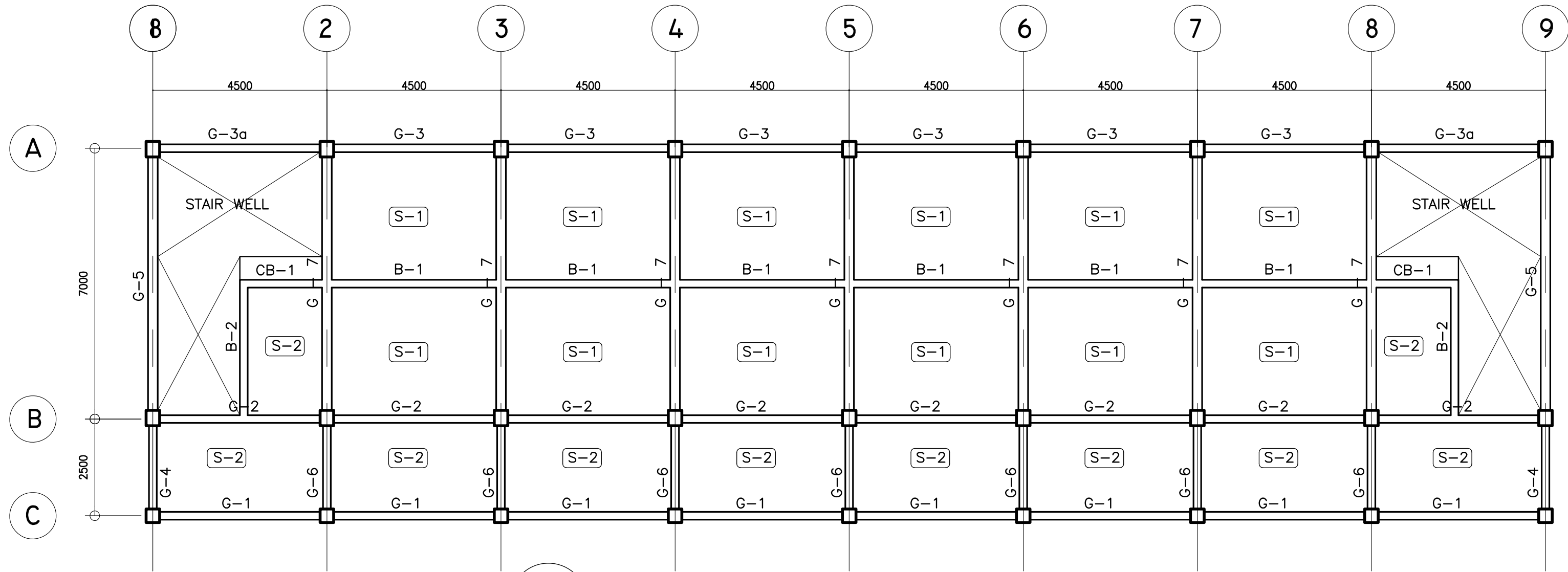
REP. ACT 545



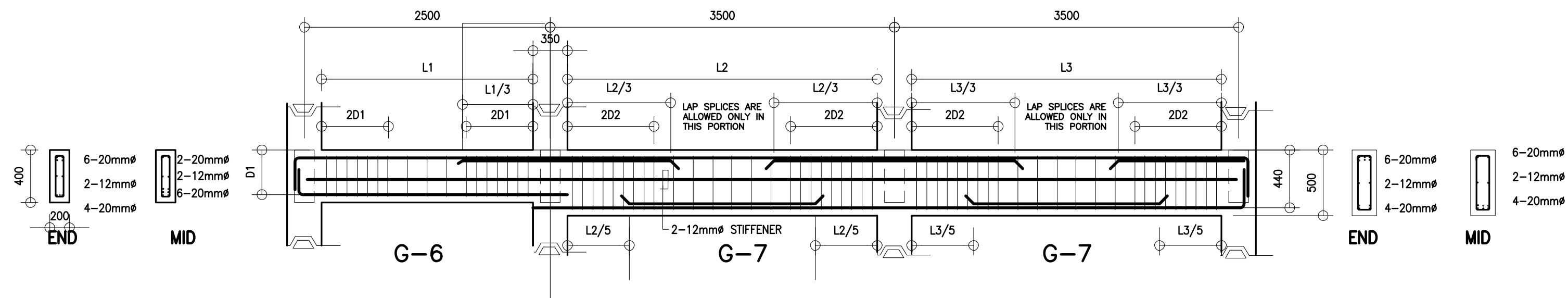
| SCHEDULE OF FOOTING | | | | | | | |
|---------------------|-------------------------|-----------|-----------|---------------|---------------|------------|----------------|
| FOOTING MARK | FOOTING DIMENSIONS (mm) | | | | REINFORCEMENT | | REMARKS |
| | LENGTH (L) | WIDTH (W) | DEPTH (D) | Thickness (t) | BAR X | BAR Y | |
| F-1 | 1500 | 1500 | 1500 | 250 | 8 - 16mmØ | 8 - 16mmØ | SQUARE FOOTING |
| F-2 | 2600 | 2600 | 1500 | 350 | 11 - 20mmØ | 11 - 20mmØ | SQUARE FOOTING |
| F-3 | 2400 | 2400 | 1500 | 300 | 11 - 20mmØ | 11 - 20mmØ | SQUARE FOOTING |

COLUMN SCHEDULE

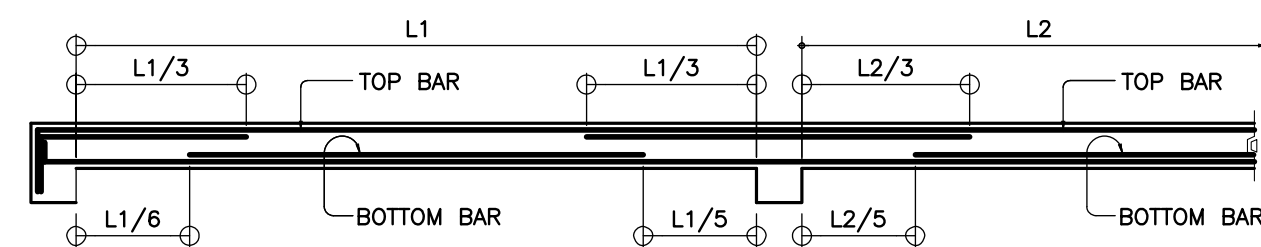
| LEVEL | C-1 | C-2 | C-3 |
|-------------------------------------|---|---|---|
| 3RD FLOOR LEVEL TO ROOF DECK LEVEL | <p>MAIN BAR: 6-Ø16mm TIES : Ø10 mm 1Ø50, 8Ø75, REST @ 150mm TO CENTER</p> | <p>MAIN BAR: 8-Ø20mm TIES : Ø10 mm 1Ø50, 8Ø75, REST @ 150mm TO CENTER</p> | <p>MAIN BAR: 8-Ø20mm TIES : Ø10 mm 1Ø50, 8Ø75, REST @ 150mm TO CENTER</p> |
| 2ND FLOOR LEVEL TO 3RD FLOOR LEVEL | <p>MAIN BAR: 6-Ø16mm TIES : Ø10 mm 1Ø50, 8Ø75, REST @ 150mm TO CENTER</p> | <p>MAIN BAR: 12-Ø20mm TIES : Ø10 mm 1Ø50, 8Ø75, REST @ 150mm TO CENTER</p> | <p>MAIN BAR: 12-Ø20mm TIES : Ø10 mm 1Ø50, 8Ø75, REST @ 150mm TO CENTER</p> |
| FOUNDATION LEVEL TO 2ND FLOOR LEVEL | <p>MAIN BAR: 8-Ø16mm TIES : Ø10 mm 1Ø50, 8Ø75, REST @ 150mm TO CENTER</p> | <p>MAIN BAR: 14-Ø20mm TIES : Ø10 mm 1Ø50, 10Ø75, REST @ 150mm TO CENTER</p> | <p>MAIN BAR: 12-Ø20mm TIES : Ø10 mm 1Ø50, 10Ø75, REST @ 150mm TO CENTER</p> |



1 2ND & 3RD FLOOR FRAMING PLAN
S-2 SCALE : 1:100 M.



B TYPICAL BEAM ELEVATION
S-2



C TYPICAL SLAB ELEVATION
S-2

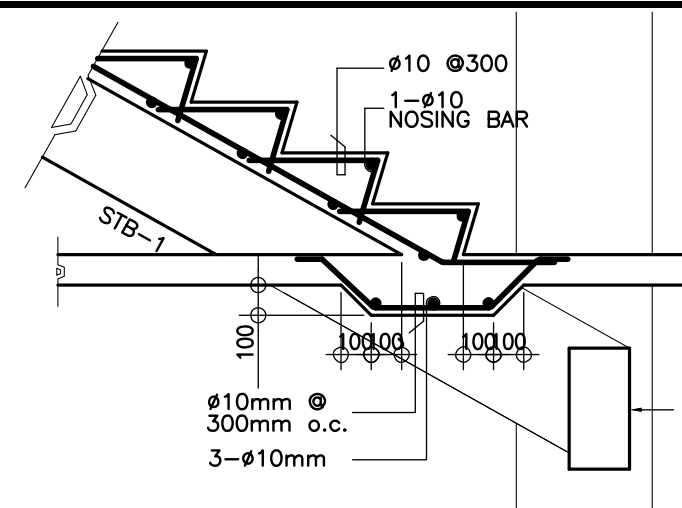
| SCHEDULE OF SLABS | | | | | | | | | | | | | | | | | |
|-------------------|-----------|-------------------------|--|--------------|-------|---------|-------|---------------|-------|---|--------------|-------|---------|-------|---------------|-------|---------|
| FLOOR LEVEL | SLAB MARK | THICK- NESS in mm | REBAR SPACING ALONG SHORT DIRECTION in mm | | | | | | | REBAR SPACING ALONG LONG DIRECTION in mm | | | | | | | REMARKS |
| | | | REBAR SIZE | LEFT SUPPORT | | MIDSPAN | | RIGHT SUPPORT | | REBAR SIZE | LEFT SUPPORT | | MIDSPAN | | RIGHT SUPPORT | | |
| | | | | TOP | BOTT. | TOP | BOTT. | TOP | BOTT. | | TOP | BOTT. | TOP | BOTT. | TOP | BOTT. | |
| SECOND LEVEL | | | | | | | | | | | | | | | | | |
| | S-1 | 100 | 10# | 200 | 300 | - | 300 | 200 | 300 | 10# | 250 | 300 | - | 300 | 250 | 300 | TWO-WAY |
| | S-2 | 100 | 10# | 300 | 300 | - | 300 | 300 | 300 | 10# | 300 | 300 | - | 300 | 300 | 300 | TWO-WAY |

| B E A M S C H E D U L E | | | | | | | | | | | |
|-------------------------|-----------|--------------------------------|-----|---|------|--------|----------|--------|-------|--|-----------------------|
| FLOOR LEVEL | BEAM MARK | BEAM DIMENSIONS (in / mm) | | S T E E L R E I N F O R C E M E N T S | | | | | | S T I R R U P S #10mm (UNLESS NOTED OTHERWISE) | |
| | | | | REBAR (mm Ø) | LEFT | | MID SPAN | | RIGHT | | |
| | | b | h | | TOP | BOTTOM | TOP | BOTTOM | TOP | | BOTTOM |
| 2ND FLOOR LEVEL | G-1 | 200 | 400 | #20mm | 3 | 2 | 2 | 2 | 3 | 2 | 1#50, 6#100, REST@200 |
| | G-2 | 200 | 400 | #20mm | 4 | 3 | 2 | 2 | 4 | 3 | 1#50, 6#100, REST@200 |
| | G-3 | 200 | 400 | #20mm | 3 | 3 | 2 | 2 | 3 | 3 | 1#50, 6#100, REST@200 |
| | G-4 | 200 | 400 | #20mm | 3 | 2 | 2 | 2 | 6 | 4 | 1#50, 6#100, REST@200 |
| | G-5 | 250 | 500 | #20mm | 6 | 4 | 2 | 4 | 6 | 4 | 1#50, 8#100, REST@200 |
| | G-6 | 200 | 400 | #20mm | 4 | 3 | 2 | 2 | 6 | 4 | 1#50, 6#100, REST@200 |
| | G-7 | 250 | 500 | #20mm | 6 | 4 | 2 | 6 | 6 | 4 | 1#50, 8#100, REST@200 |
| | B-1 | 200 | 400 | #16mm | 4 | 2 | 2 | 2 | 4 | 2 | 1#50, 6#100, REST@200 |
| | B-2 | 200 | 400 | #16mm | 2 | 2 | 2 | 4 | 2 | 2 | 1#50, 6#100, REST@200 |
| | CB-1 | 200 | 400 | #16mm | 4 | 2 | 4 | 2 | 4 | 2 | 1#50, 6#100, REST@200 |
| 3RD FLOOR LEVEL | G-1 | 200 | 400 | #20mm | 2 | 2 | 2 | 2 | 2 | 2 | 1#50, 6#100, REST@200 |
| | G-2 | 200 | 400 | #20mm | 3 | 2 | 2 | 2 | 3 | 2 | 1#50, 6#100, REST@200 |
| | G-3 | 200 | 400 | #20mm | 3 | 2 | 2 | 2 | 3 | 2 | 1#50, 6#100, REST@200 |
| | G-4 | 200 | 400 | #20mm | 3 | 2 | 2 | 2 | 5 | 3 | 1#50, 6#100, REST@200 |
| | G-5 | 250 | 500 | #20mm | 5 | 3 | 2 | 4 | 5 | 3 | 1#50, 8#100, REST@200 |
| | G-6 | 200 | 400 | #20mm | 3 | 2 | 2 | 2 | 6 | 4 | 1#50, 6#100, REST@200 |
| | G-7 | 250 | 500 | #20mm | 6 | 4 | 2 | 6 | 6 | 4 | 1#50, 8#100, REST@200 |
| | B-1 | 200 | 400 | #16mm | 4 | 2 | 2 | 2 | 4 | 2 | 1#50, 6#100, REST@200 |
| | B-2 | 200 | 400 | #16mm | 2 | 2 | 2 | 3 | 2 | 2 | 1#50, 6#100, REST@200 |
| | CB-1 | 200 | 400 | #16mm | 4 | 2 | 4 | 2 | 4 | 2 | 1#50, 6#100, REST@200 |
| ROOF LEVEL | RG-1 | 200 | 400 | #16mm | 2 | 2 | 2 | 2 | 2 | 2 | 1#50, 6#100, REST@200 |
| | RG-2 | 200 | 500 | #16mm | 3 | 3 | 3 | 3 | 3 | 3 | 1#50, 8#100, REST@200 |
| TIE BEAM | TG-1 | 300 | 500 | #20mm | 5 | 4 | 2 | 2 | 6 | 4 | 1#50, 8#100, REST@200 |
| | TG-2 | 300 | 500 | #20mm | 6 | 4 | 2 | 3 | 6 | 4 | 1#50, 8#100, REST@200 |
| | TG-3 | 300 | 500 | #20mm | 3 | 3 | 2 | 2 | 3 | 3 | 1#50, 6#100, REST@200 |
| STAIR BEAM | STB-1 | 200 | 400 | #16mm | 3 | 2 | 2 | 4 | 3 | 2 | 1#50, 6#100, REST@200 |

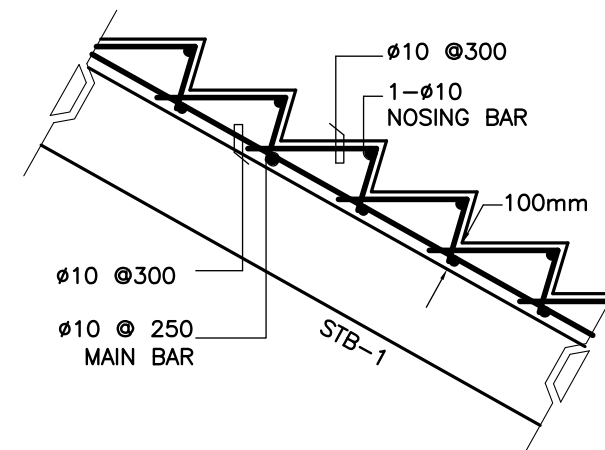
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|---|--|--|---|---|---|---|--|--|---|-----------------------|
| REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY | | CONSULTANT / DESIGNER ENGINEER III PRC NO. : 0074495 TIN : 199-674-196 PTR NO. : DATE : | REVIEWED BY: WILFREDO S. LOPEZ OIC, STRUCTURAL DIVISION BUREAU OF DESIGN, DPWH | RECOMMENDING APPROVAL : SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH | APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH | CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED) | PROJECT TITLE : THREE STOREY NINE CLASSROOM SCHOOL BUILDING LOCATION : | PROJECT NO: 01-002 DESIGNED BY: BNA ENCODED BY: BNA CHECKED BY: DATE : 01 03 | OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : 2nd & 3RD FLOOR FRAMING PLAN, TYP. DET. OF BEAM & SLAB, SCH. OF BEAMS & SLABS | SHEET NO: S-2 4 |
|---|--|--|---|---|---|---|--|--|---|-----------------------|

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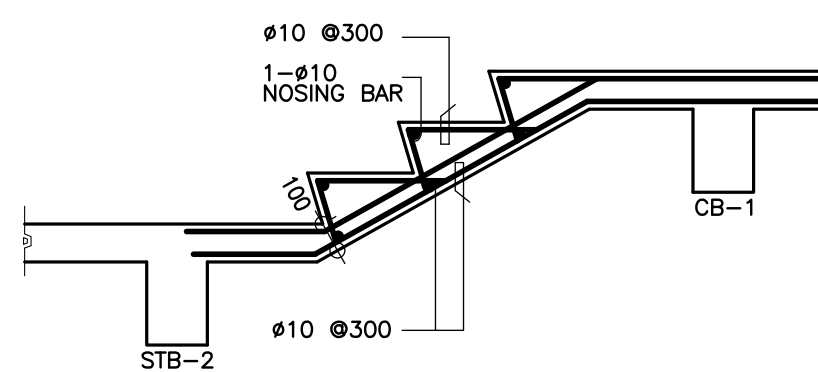
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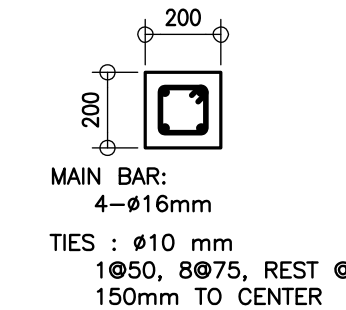
C
S-3 SPOT DETAIL
SCALE 1 : 25 M



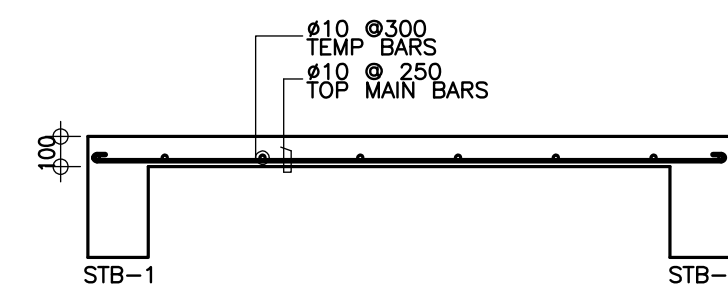
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S-3 SPOT DETAIL
SCALE 1 : 25 M



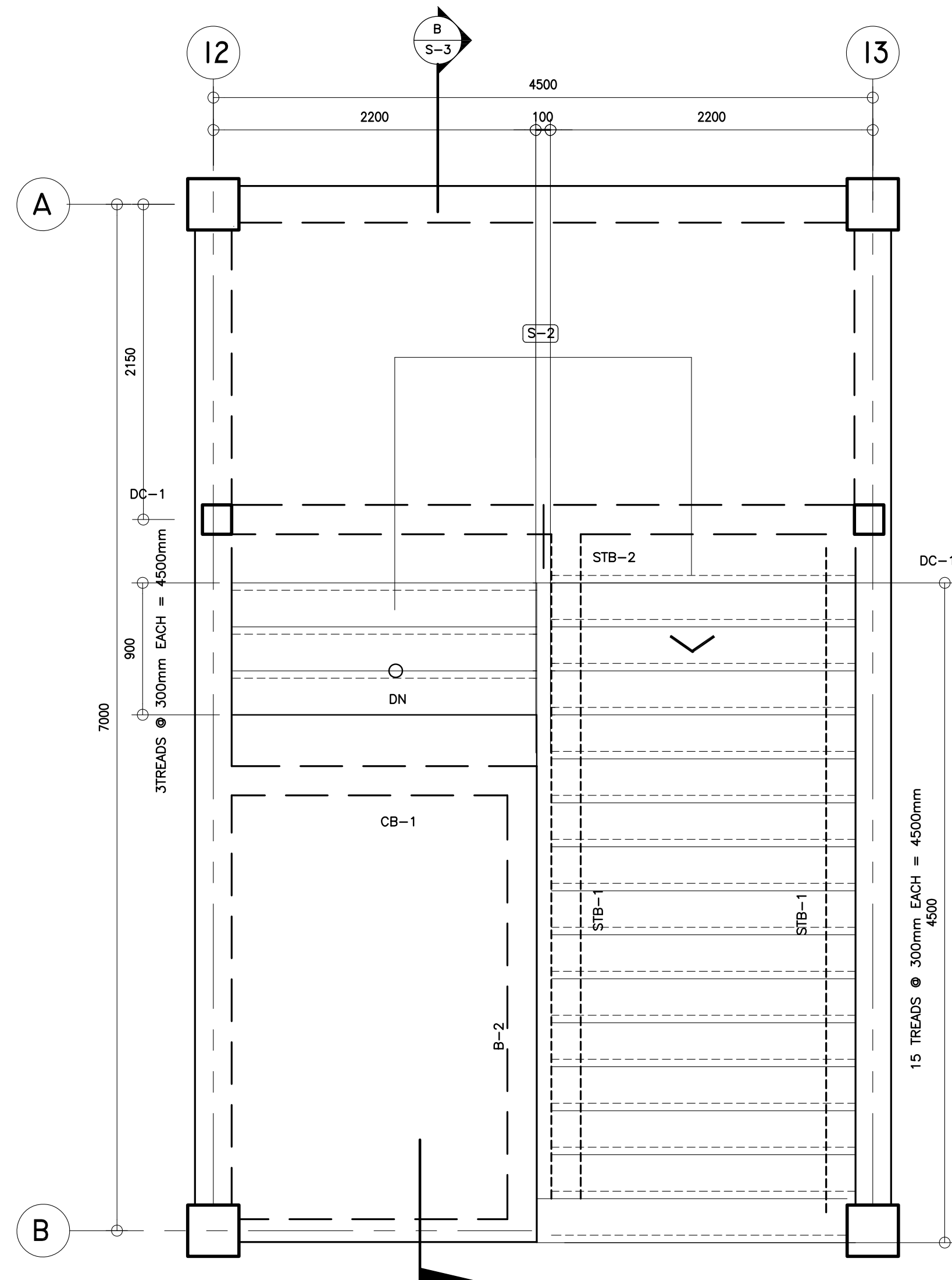
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S-3 SPOT DETAIL
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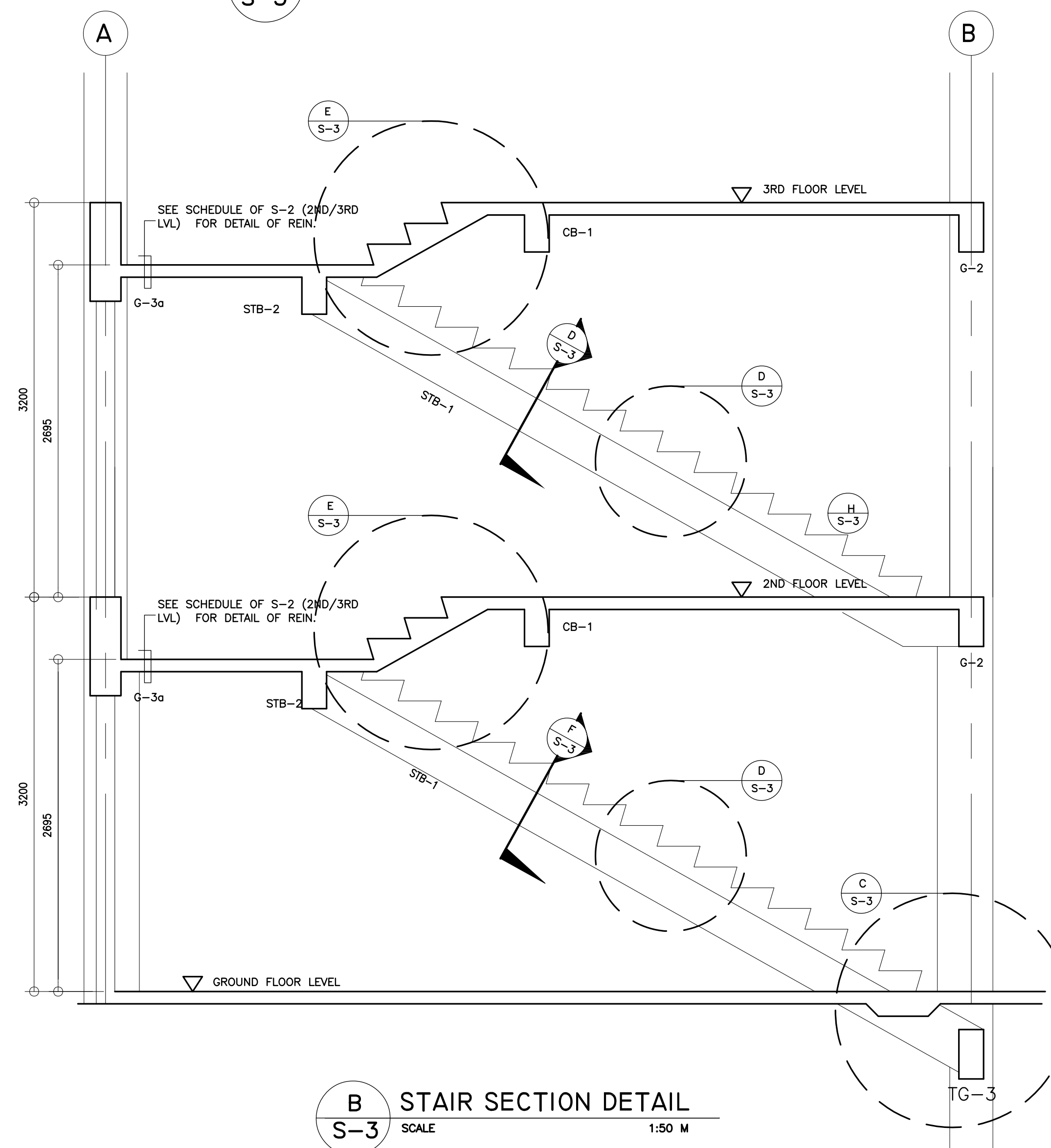
F
S-3 SPOT DETAIL
SCALE 1 : 25 M



G
S-4 SECTION OF STAIR SLAB
SCALE 1:25 M



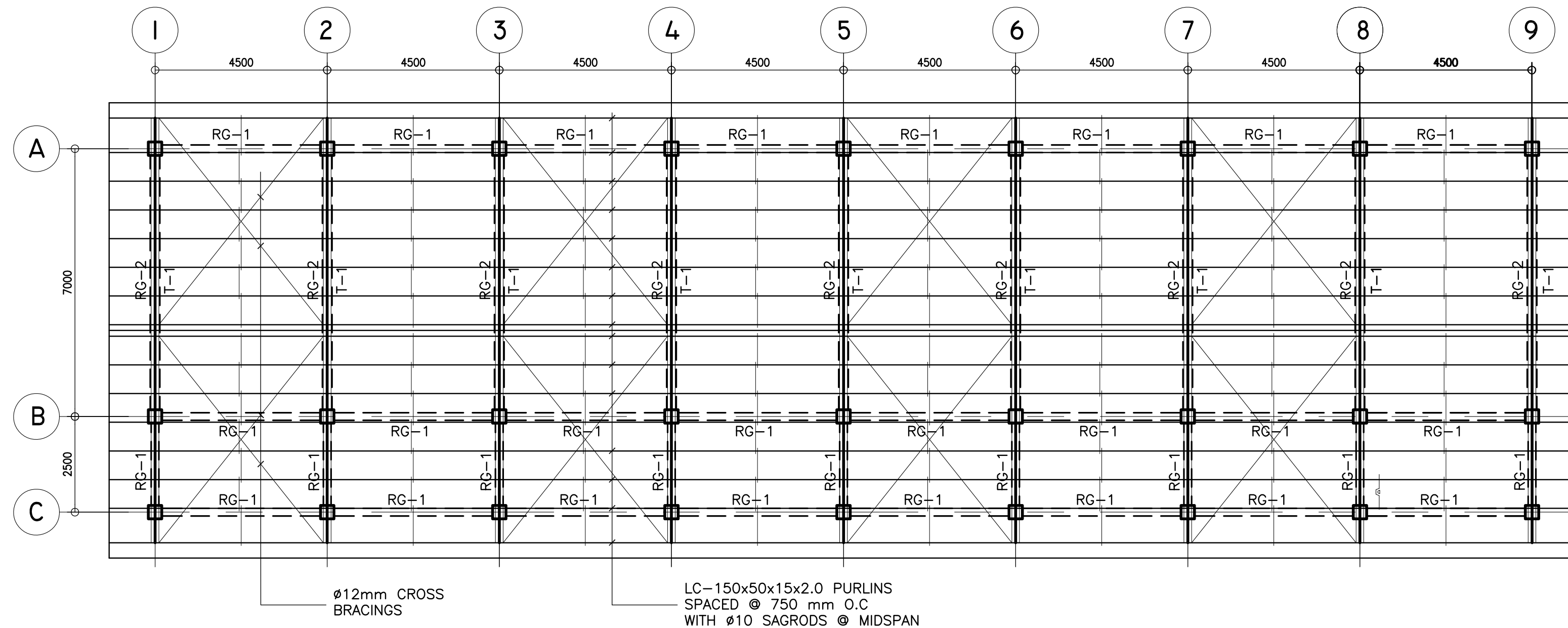
A
S-3 STAIR FRAMING PLAN (TYP)
SCALE 1:50 M



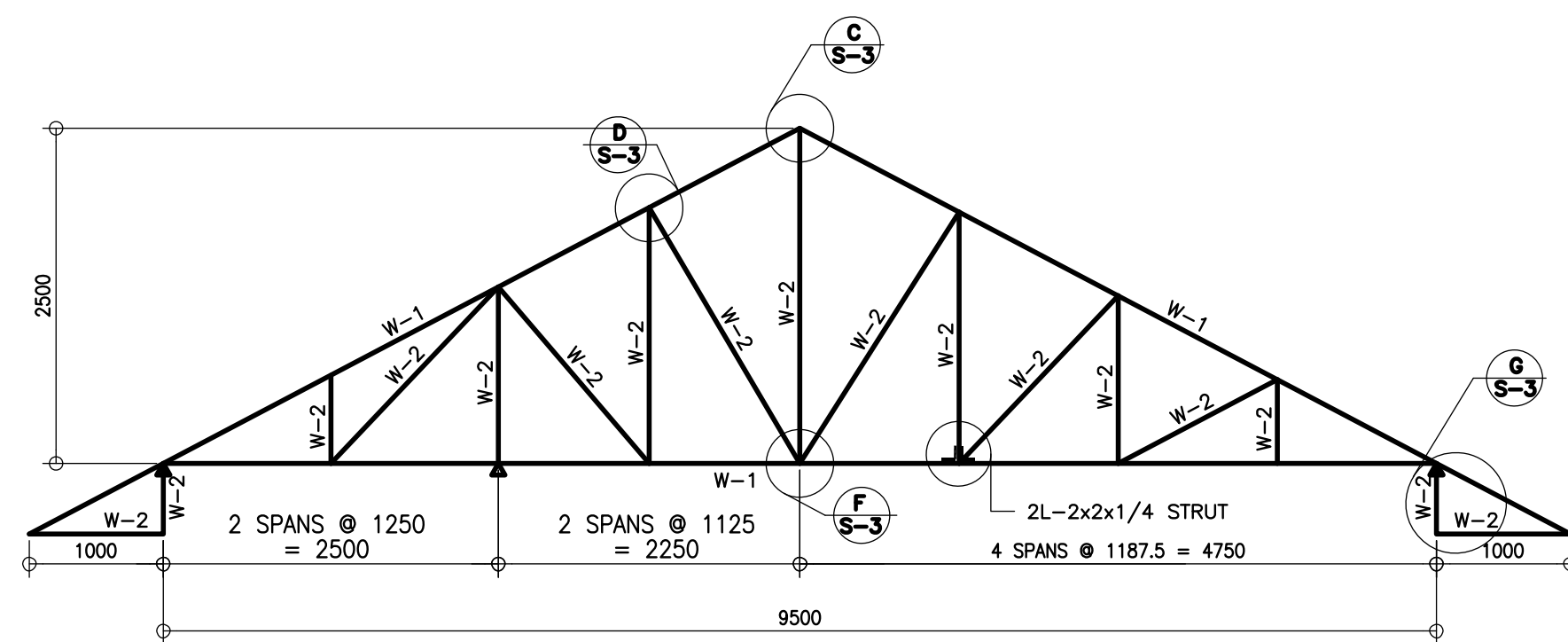
B
S-3 STAIR SECTION DETAIL
SCALE 1:50 M

| | | | | | | | | | |
|---|--|--|--|--|--|---|---|--|---------------------------------------|
| <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p> | <p>CONSULTANT / DESIGNER BERNARDITO N. AQUINO ENGINEER III PRC NO. : 0074495 TIN : 199-674-196 PTR NO. : DATE :</p> | <p>REVIEWED BY: WILFREDO S. LOPEZ OIC, STRUCTURAL DIVISION BUREAU OF DESIGN, DPWH</p> | <p>RECOMMENDING APPROVAL : SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p> | <p>APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p> | <p>CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p> | <p>PROJECT TITLE : THREE STOREY NINE CLASSROOM SCHOOL BUILDING LOCATION :</p> | <p>PROJECT NO: 01-002 DESIGNED BY: BNA ENCODED BY: BNA CHECKED BY: DATE : 01 03</p> | <p>OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : STAIR PLAN & SECTION DETAIL, MISC. DETAILS</p> | <p>SHEET NO: S-3 4</p> |
|---|--|--|--|--|--|---|---|--|---------------------------------------|

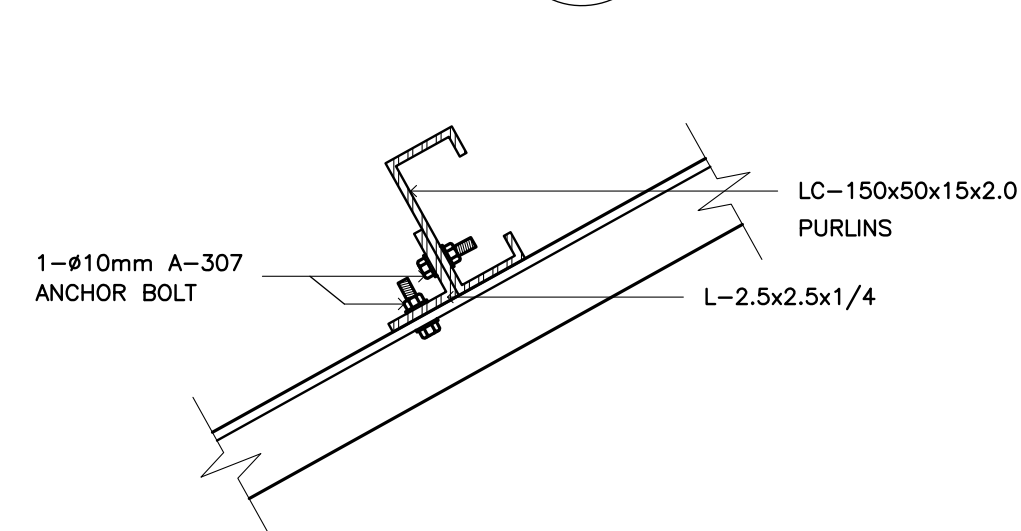
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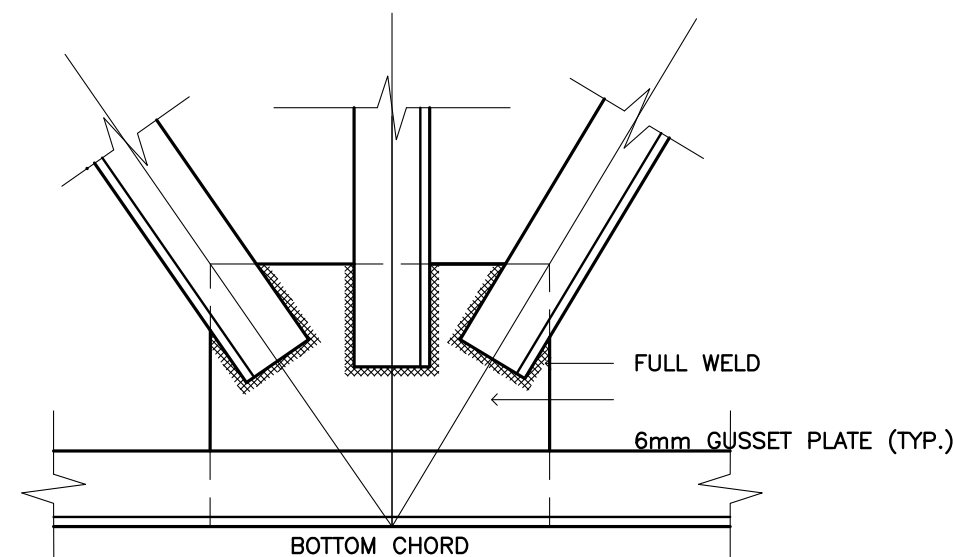
A
S-4
ROOF DECK FRAMING PLAN
SCALE : 1:100 M.



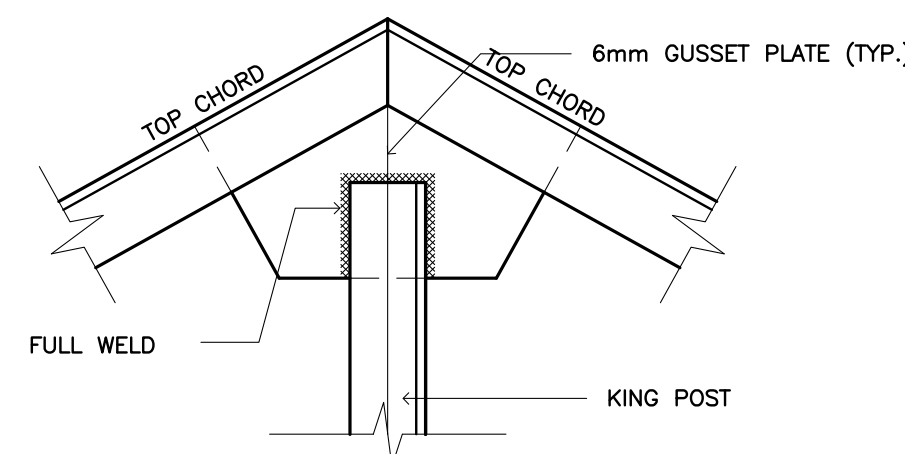
B
S-4
DETAIL OF T-I
SCALE 1 : 25 M



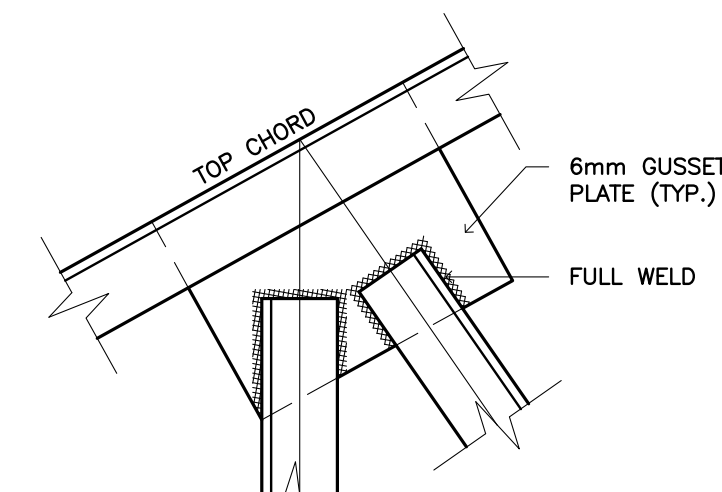
E
S-4
PURLIN CONNECTION DETAIL
SCALE 1 : 50 M



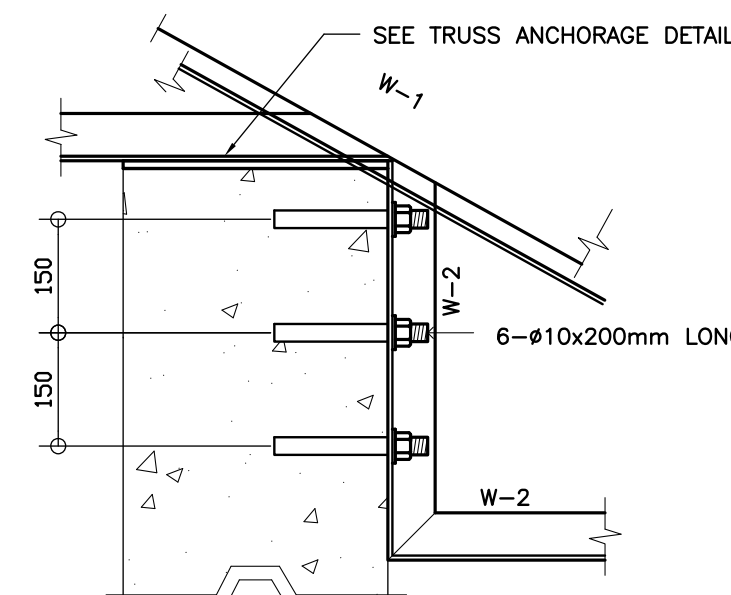
F
S-4
CONNECTION DETAIL
SCALE 1 : 50 M



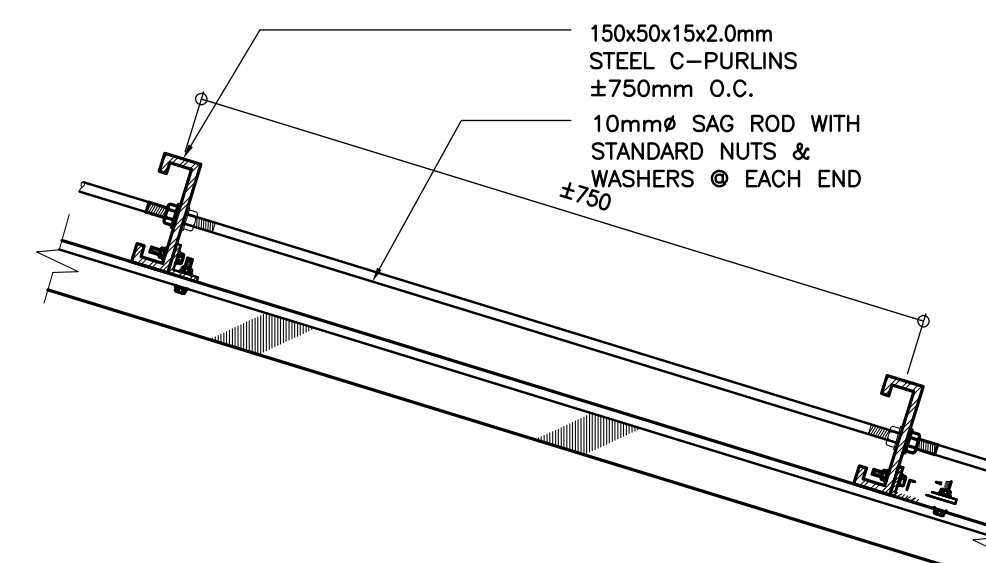
C
S-4
CONNECTION DETAIL
SCALE 1 : 50 M



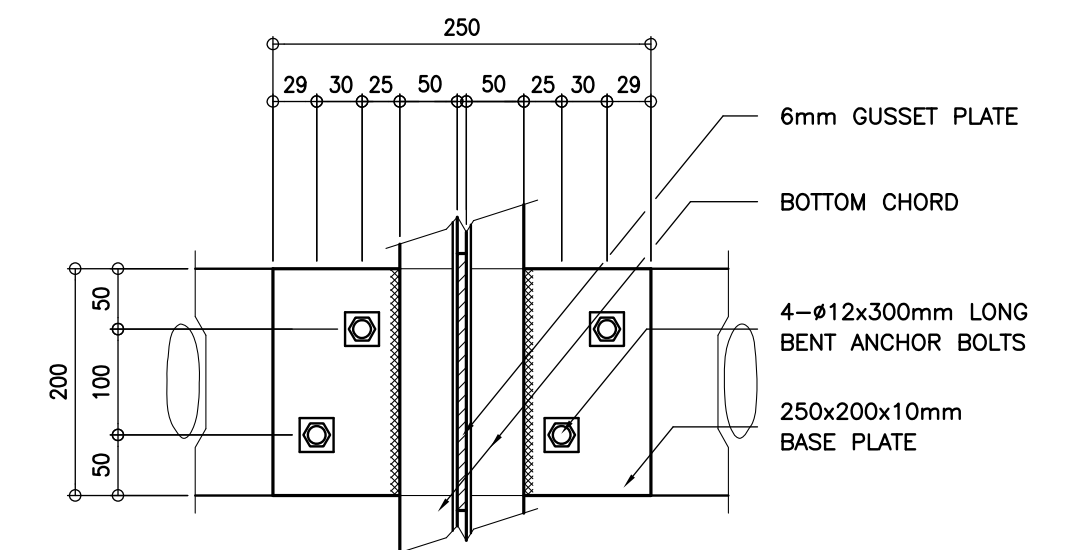
D
S-4
CONNECTION DETAIL
SCALE 1 : 50 M



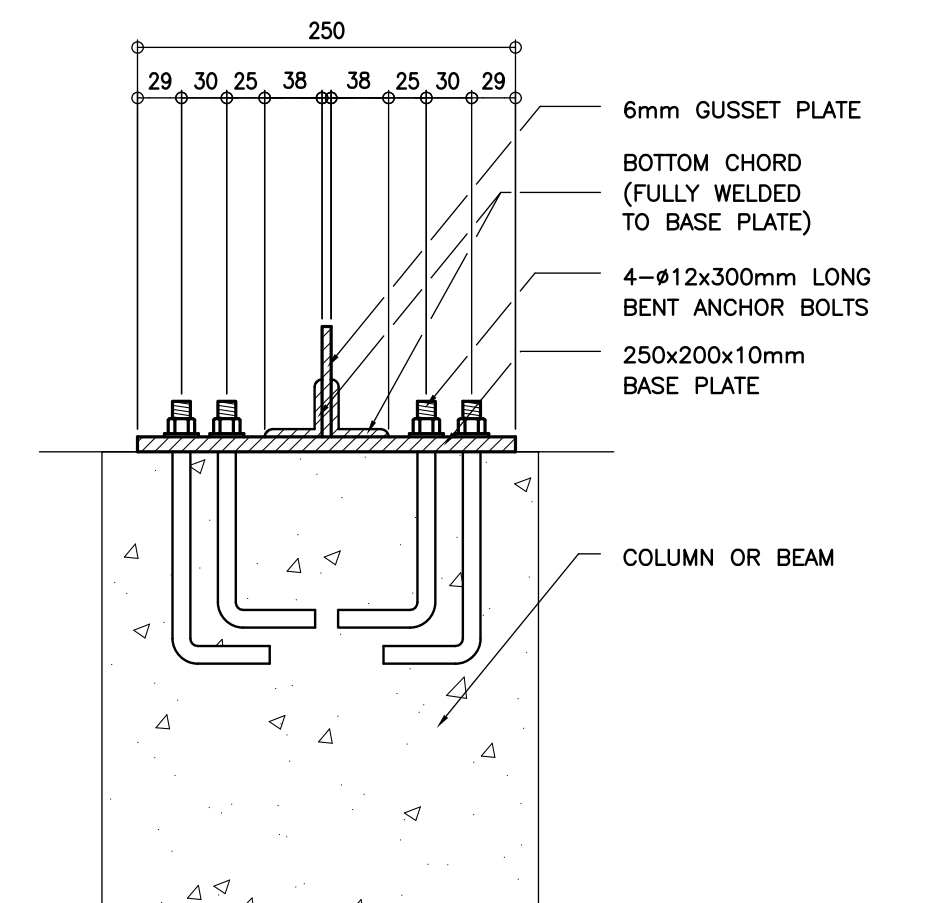
G
S-4
HALF TRUSS CONNECTION DETAIL
SCALE 1 : 10 M



H
S-4
SAG ROD CONNECTION DETAIL
SCALE 1 : 10 M



PLAN



SECTION

I
S-4
TYPICAL TRUSS ANCHORAGE DETAIL
SCALE 1:5 M

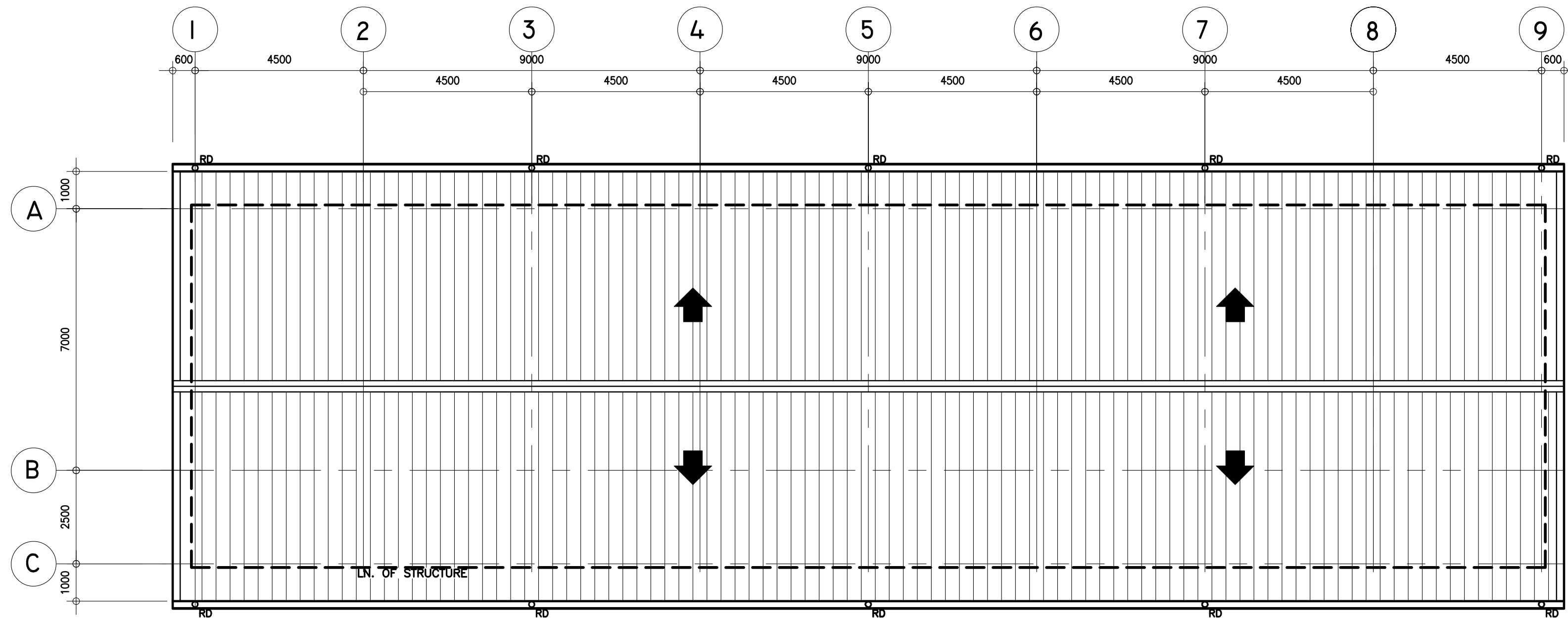
SCHEDULE OF TRUSS MEMBERS

| MARK | DESCRIPTION | QTY | SIZE |
|------|-------------------|-----|-------------|
| W-1 | TOP & BOT. CHORDS | 2L | 2"x2"x1/4" |
| W-2 | WEB MEMBERS | 2L | 2"x2"x3/16" |

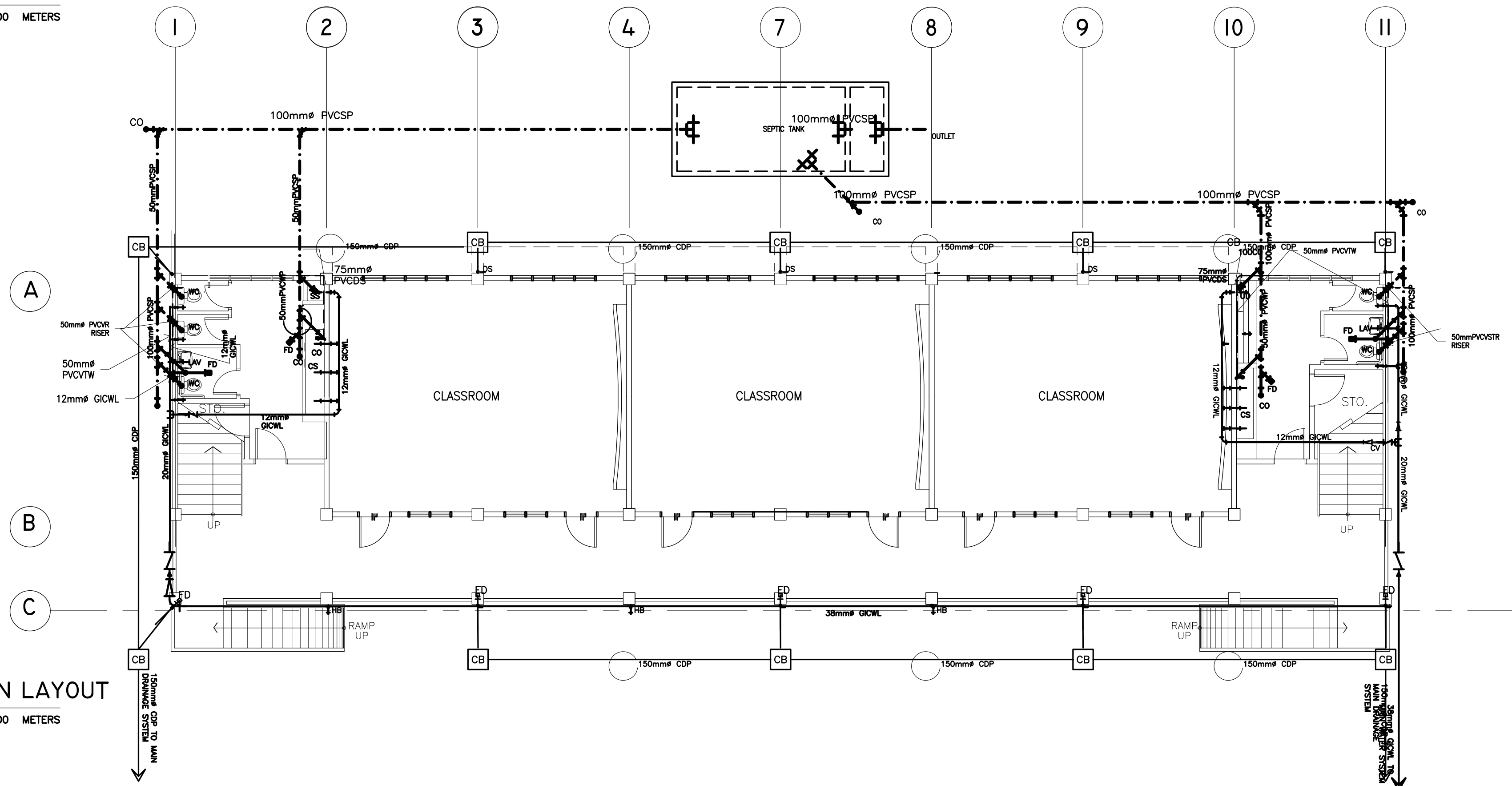
| | | | | | | | | | |
|---|--|--|---|--|---|---|--------------------|---|-----------|
| <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p> | CONSULTANT / DESIGNER | REVIEWED BY: | RECOMMENDING APPROVAL : | APPROVED FOR ACCREDITATION : | CONCURRED : | PROJECT TITLE : | PROJECT NO: 01-002 | OWNER : | SHEET NO: |
| | BERNADETTE N. AQUINO ENGINEER III PRC NO. : 0074495 TIN : 199-674-196 PTR NO. : DATE : | WILFREDO S. LOPEZ OIC, STRUCTURAL DIVISION BUREAU OF DESIGN, DPWH | SOPIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH | GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH | RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED) | THREE STOREY NINE CLASSROOM SCHOOL BUILDING | DESIGNED BY: BNA | DEPARTMENT OF EDUCATION DepED | |
| | | | | | | | ENCODED BY: BNA | SHEET CONTENTS : | |
| | | | | | | | CHECKED BY: | TRUSS DIAGRAM DETAILS OF STEEL CONNECTION | |
| | | | | | | DATE : 01 03 | | | |

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2 ROOF DRAIN LAYOUT
P-1 SCALE : 1 : 100 METERS



2 PLUMBING RO-IN LAYOUT
P-1 SCALE : 1 : 100 METERS

| | | | | | | | | | |
|--|--|---|---|---|---|--|--|---|---|
| <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p> | <p>CONSULTANT / DESIGNER</p> <p>ELIAS MELQUADES EMEL B. CUBA II SANITARY ENGINEER</p> <p>PRC NO. : PTR NO. : TIN : DATE :</p> | <p>REVIEWED BY:</p> <p>EMMANUEL P. GUNTAPAY CHIEF, ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH</p> | <p>RECOMMENDING APPROVAL :</p> <p>SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p> | <p>APPROVED FOR ACCREDITATION :</p> <p>GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p> | <p>CONCURRED :</p> <p>RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p> | <p>PROJECT TITLE :</p> <p>THREE STOREY NINE CLASSROOM SCHOOL BUILDING</p> <p>LOCATION :</p> | <p>PROJECT NO: 01-002</p> <p>DESIGNED BY: BNA</p> <p>ENCODED BY: BNA</p> <p>CHECKED BY:</p> <p>DATE: 01 03</p> | <p>OWNER :</p> <p>DEPARTMENT OF EDUCATION DepED</p> <p>SHEET CONTENTS :</p> <p>ROOF DRAIN LAYOUT , PLUMBING RO-IN LAYOUT</p> | <p>SHEET NO:</p> <p>P-1 3</p> |
|--|--|---|---|---|---|--|--|---|---|

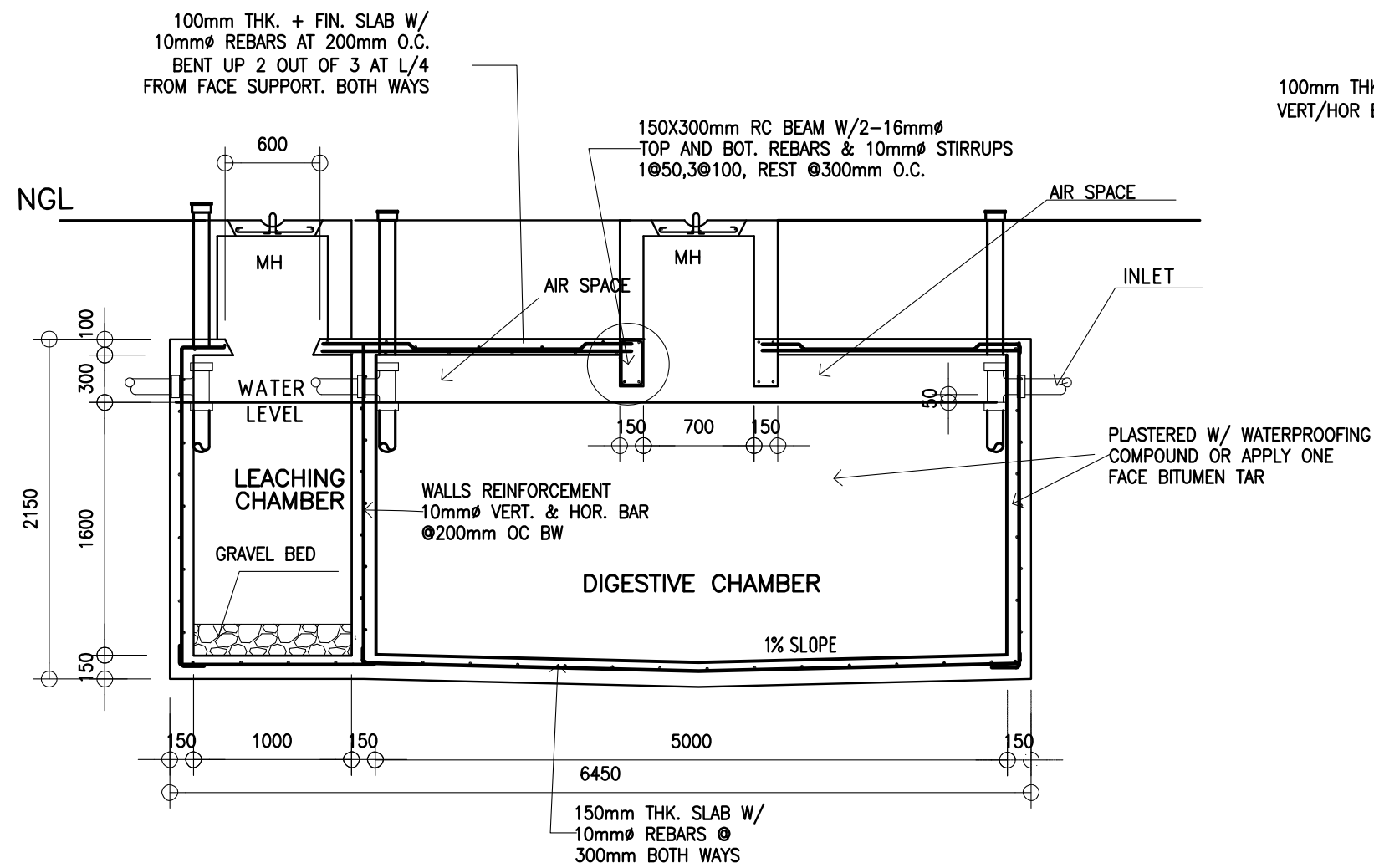
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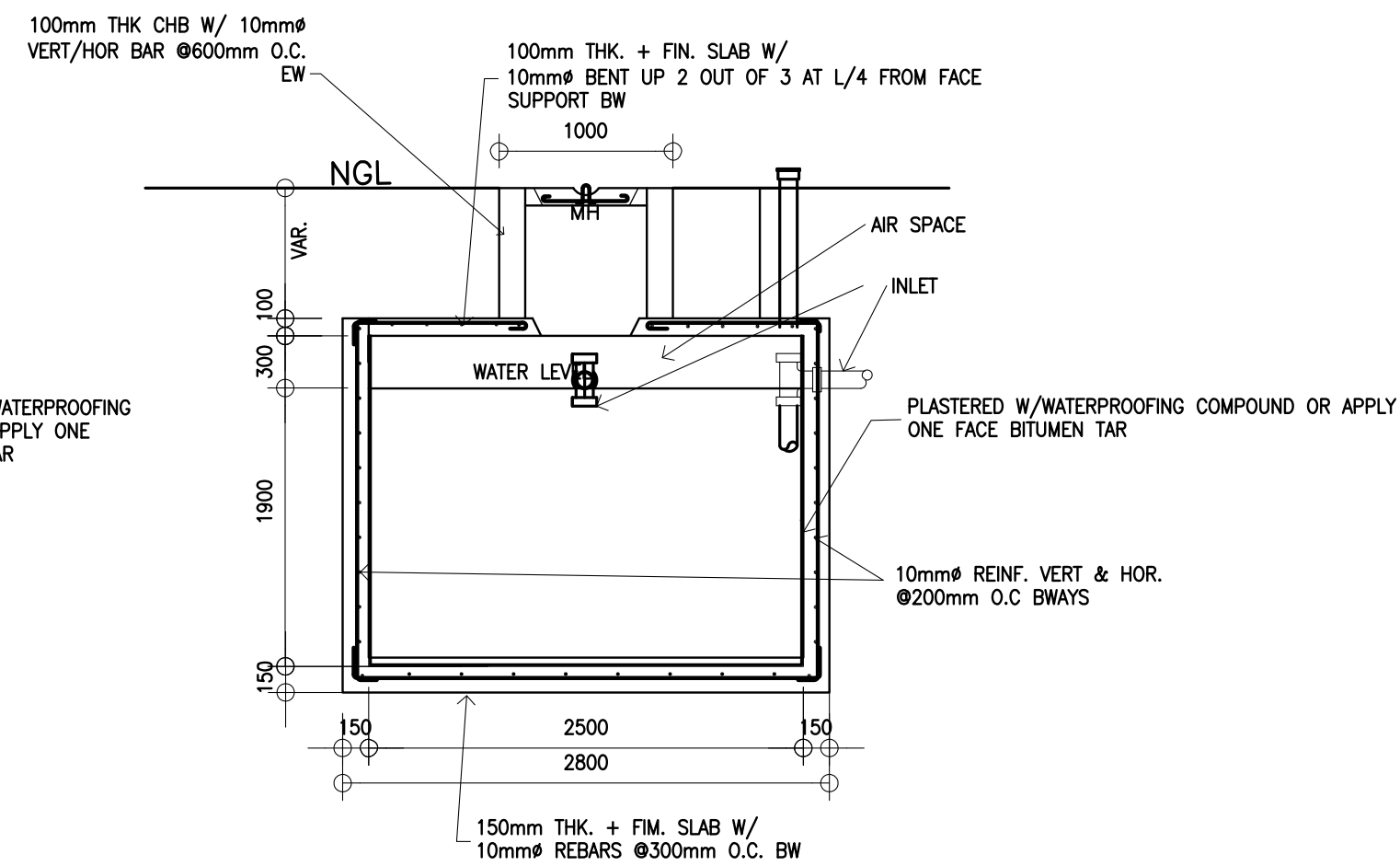


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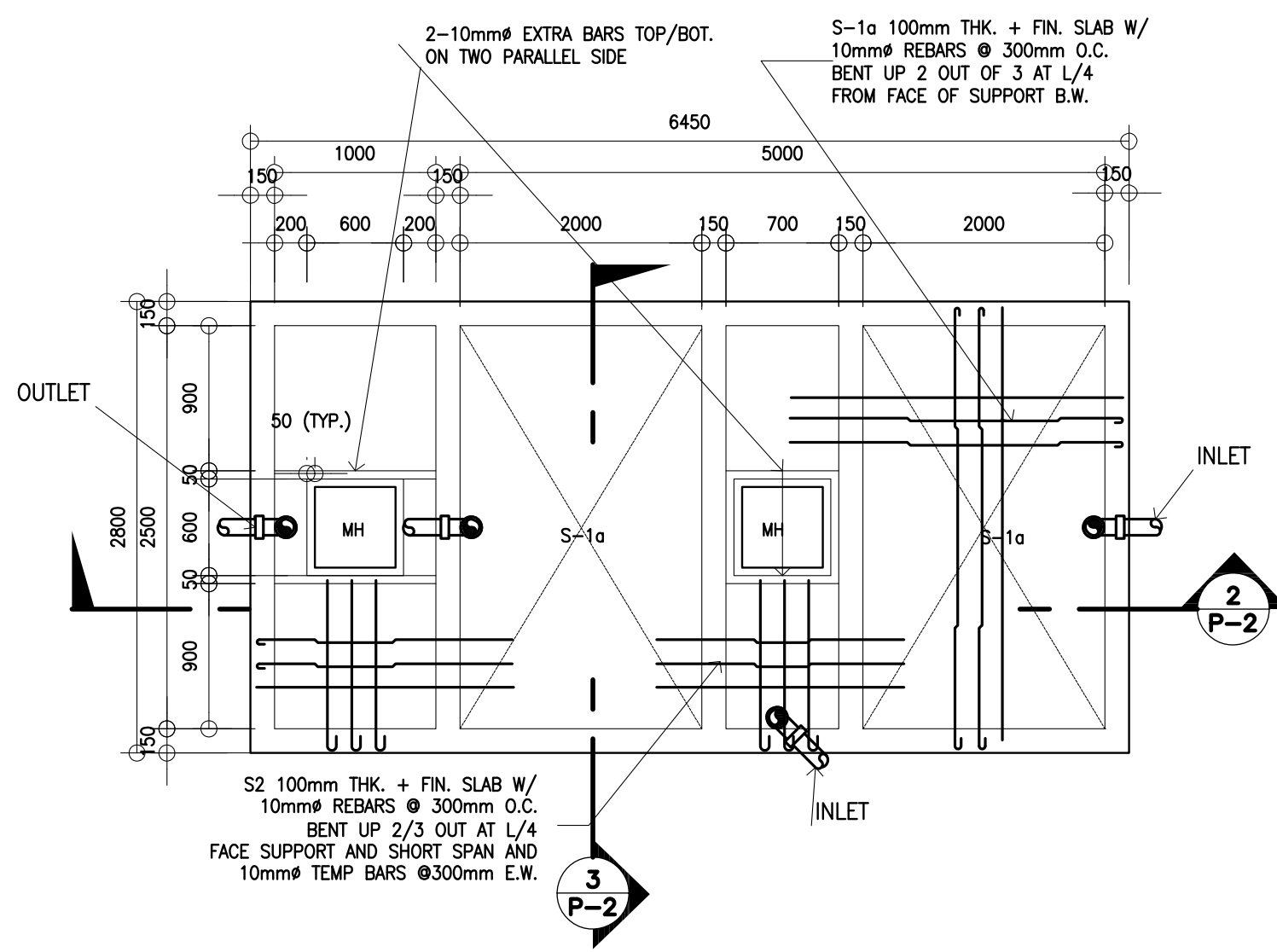
REP. ACT 545



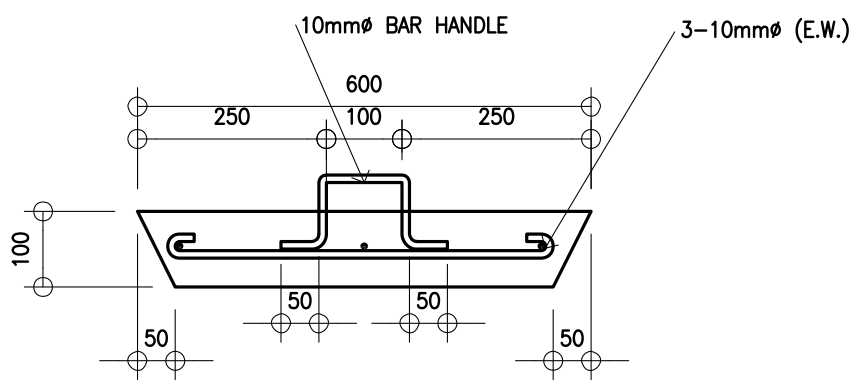
2 LONGTUDINAL SECTION DETAIL
P-2 SCALE : 1 : 40 METERS



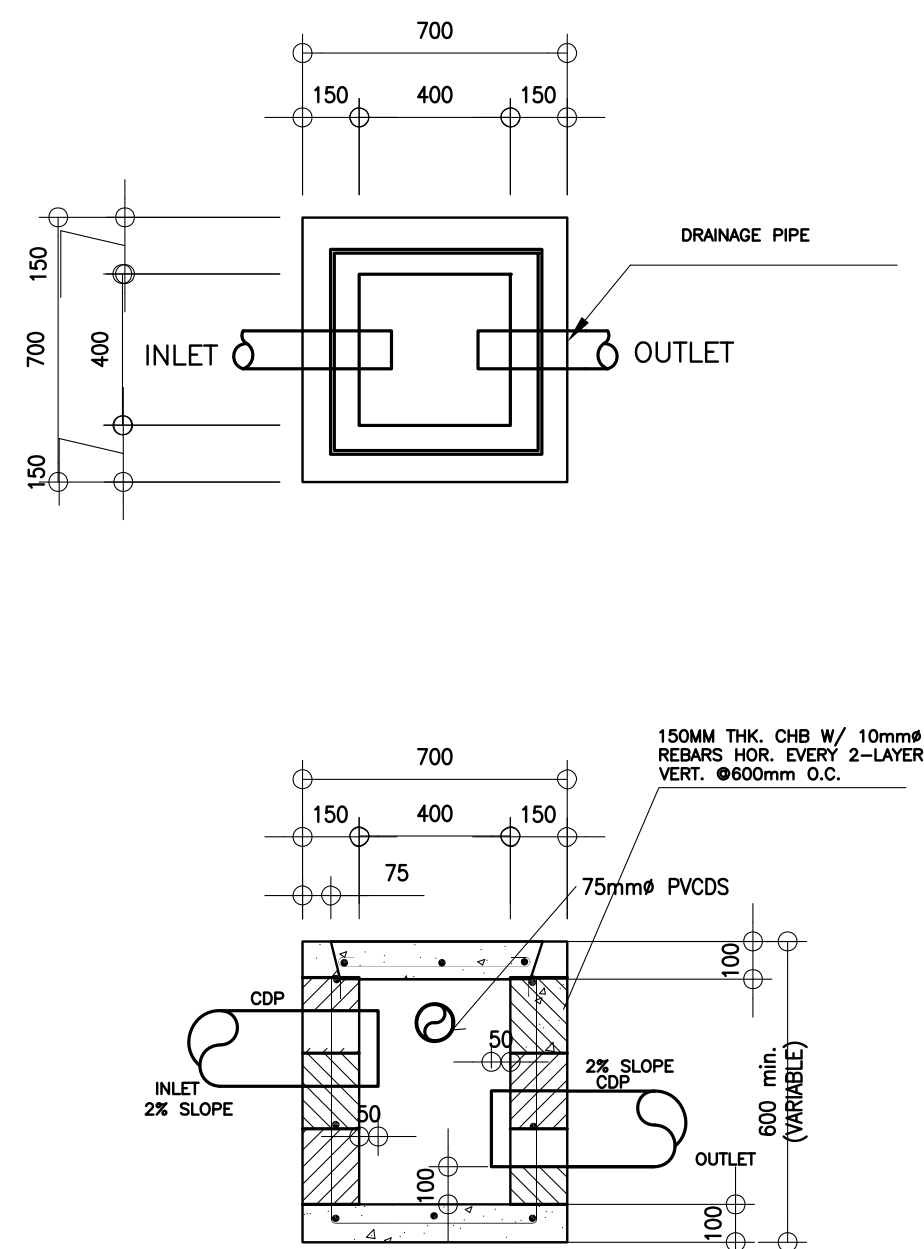
3 CROSS SECTION DETAIL
P-2 SCALE : 1 : 40 METERS



1 PLAN DET. OF SEPTIC TANK
P-2 SCALE : 1 : 40 METERS



4 COVER DETAIL
P-2 SCALE : 1 : 10 METERS



5 CATCH BASIN DETAIL
P-2 SCALE : 1 : 20 METERS

LEGEND:

- CB CATCH BASIN
- CDP CONCRETE DRAIN PIPE
- CO CLEAN OUT
- CV CHECK VALVE
- HB HOSE BIBB
- FD FLOOR DRAIN
- GICWL GALVANIZED IRON COLD WATER LINE (SCH. 40)
- GICWR GALVANIZED IRON COLD WATER RISER (SCH. 40)
- GV GATE VALVE
- MH MANHOLE
- PVCDS POLYVINYL CHLORIDE DOWNSPOUT
- PVCDP POLYVINYL CHLORIDE DRAIN PIPE
- PVCDS POLYVINYL CHLORIDE DOWNSPOUT
- PVCSP POLYVINYL CHLORIDE SOIL PIPE
- PVCVAC POLYVINYL CHLORIDE VENT. ACROSS CEILING
- PVCVP POLYVINYL CHLORIDE VENT. PIPE
- PVCVS POLYVINYL CHLORIDE VENT STACK
- PVCVTR/W POLYVINYL CHLORIDE VENT TROUGH ROOF/WALL
- PVCWP POLYVINYL CHLORIDE WASTE PIPE
- PVCWS POLYVINYL CHLORIDE WASTE STACK
- RD ROOF DRAIN
- UD URINAL DRAIN
- WC WATER CLOSET
- LAV LAVATORY
- CS COUNTER SINK

PLUMBING NOTES:

- GRADES OF HORIZONTAL PIPINGS
RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND AT A FORM GRADE NOT LESS THAN TWO PERCENT (2%)
- CHANGE IN DIRECTION
ALL CHANGE IN DIRECTION SHALL BE MADE BY APPROPRIATE USE OF FORTY-FIVE DEGREES (45') WYES, LONG SWEEP QUARTER BEND, SIXTH-EIGHT OR SIXTEENTH BEND. WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL A SINGLE 1/8 BEND COMBINATION MAYBE USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAYBE USED ON WASTE LINE, TEE AND CROSSES MAYBE USED IN BENT PIPES.
- PROHIBITED FITTINGS
NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL AND WASTE LINES, THE DRILLINGS AND TAPPING OF HOUSE DRAIN, WASTE OR VENT PIPES AND USED OF SADDLE HUB AND BEND ARE PROHIBITED.
- PIPE CLEAN-OUTS
CLEAN-OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
a) EVERY CHANGE OF HORIZONTAL DIRECTION EXCEEDING TWENTY TWOAND ONE-HALF DEGREES (22 1/2').
b) ONE AND ONE-HALF METERS (1.50m.) INSIDE THE PROPERTY LINES BEFORE THE HOUSE DRAINAGE CONNECTION.
c) EVERY FIFTEEN METERS (15.00m) IN HORIZONTAL RUN OF PIPES.
d) AT THE END OF ANY HORIZONTAL PIPE LINES.
- THE DIGESTION CHAMBER OF SEPTIC VAULT MUST BE WATERPROOFED.
- NOT LESS THAN 0.30 METER OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF VAULT ROOF SLAB.
- NO SEPTIC VAULT SHALL BE CONSTRUCTED UNDER THE BUILDING.
- ALL PLUMBING WORKS SHALL BE UNDER THE SUPRVISION OF A LICENSED MASTER PLUMBER AND A LICENCED PLUMBING CONTRACTOR.

DESIGN CRITERIA

- i. LIVE LOAD..... 1000Pa
- ii ALLOWABLE STRESSES
 - CONCRETE
 - FOR FOOTING, BEAMS AND SLABS
 $f_c'' = 20 \text{ MPa}$
 - CONCRETE MASONRY UNITS (LOAD BEARING CHB)
 $f_m' = 6.90 \text{ MPa}$, $f_m = 2.41 \text{ MPa}$
 - REINFORCING STEEL BARS
FOR BARS SMALLER THAN 16mm ϕ
 $f_y = 230 \text{ MPa}$
 - ASSUMED ALLOWABLE BEARING CAPACITY $\gamma = 100\text{KPa}$

NOTE:

- WATER TABLE IS 1500 BELOW GROUND LEVEL.

| | | | | | | | | | |
|--|--|---|--|---|--|---|-------------------------------------|--|-----------|
| | CONSULTANT / DESIGNER | REVIEWED BY: | RECOMMENDING APPROVAL : | APPROVED FOR ACCREDITATION : | CONCURRED : | PROJECT TITLE : | PROJECT NO: 01-002 | OWNER : | SHEET NO: |
| | ELIAS MELQUADES EMEI B. CUBA II SANITARY ENGINEER | EMMANUEL P. GUNTAPAY CHIEF, ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH | SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH | GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH | RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepEd) | THREE STOREY NINE CLASSROOM SCHOOL BUILDING | DESIGNED BY: BNA ENCODED BY: BNA | DEPARTMENT OF EDUCATION DepED | |
| | PRC NO. : PTR NO. : TIN : DATE : | | | | | LOCATION : | CHECKED BY: | SHEET CONTENTS : | |
| | | | | | | | DATE : 01 03 | SEPTIC TANK, CATCH BASIN & COVER DETAIL, LEGEND, NOTES & DESIGN CRITERIA | |

NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE IS THE PROPERTY OF TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT THEIR PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.

REP. ACT 545

GENERAL NOTES

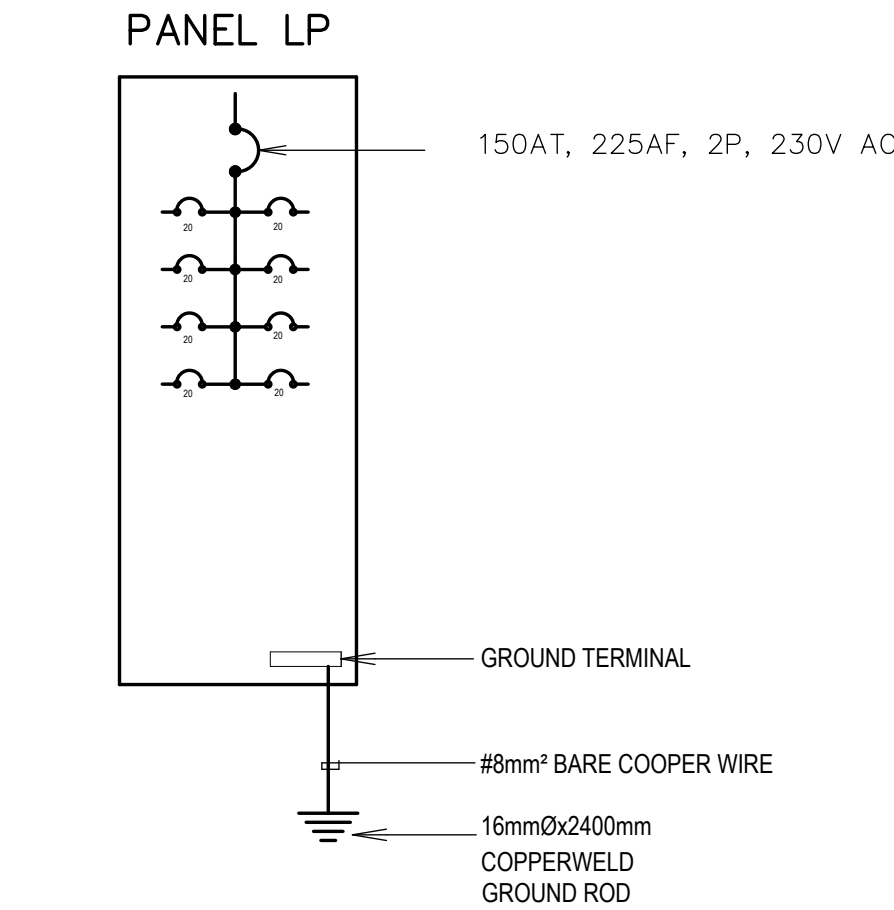
1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC). THE RULES AND REGULATION OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY. THE ELECTRICAL WORKS SHALL BE DONE UNDER THE IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER.
2. THE ELECTRICAL SERVICE POWER IS 1-PHASE, 2-WIRE, 230 V AC, 60 Hz.
3. WIRING METHOD SHALL BE AS FOLLOWS :
- a. FEEDERS AND RISERS – INTERMEDIATE METALLIC CONDUIT
 - b. LIGHTING, POWER RECEPTACLE – POLYVINYL CHLORIDE CONDUIT SCH. 40 BRANCH CKT., & AUXILIARY
4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THW" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5mm² AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15mmØ TRADE/NOMINAL SIZE. I
5. ALL OUTLET BOXES SHALL BE GALVANIZED GAGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.
6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
7. GROUNDING SYSTEM SHALL BE PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.
8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :
- a. LIGHT SWITCH – 1.20 M ABOVE FINISH FLOOR
 - b. CONVENIENCE OUTLET – 0.30 M ABOVE FINISH FLOOR.
 - c. PANELBOARD – 1.50 M ABOVE FINISH FLOOR
 - d. FIRE ALARM STATION OUTLET – 1.50 M. ABOVE FINISH FLOOR
 - e. PUSH BUTTON OUTLET – 1.20 M ABOVE FINISH FLOOR
 - f. FIRE ALARM & VIBRATING BELL – 0.30 M BELOW CEILING LINE

LEGEND

| SYMBOL | DESCRIPTION |
|--------|--|
| | – CEILING LIGHT OUTLET |
| | – 2 x 40 WATTS FLUORESCENT LAMP |
| | – CEILING FAN OUTLET |
| S/Sa | – ONE GANG DEVICE SWITCH |
| Sab | – TWO GANG DEVICE SWITCH |
| Sade | – THREE GANG DEVICE SWITCH |
| S3W | – THREE WAY DEVICE SWITCH |
| Sf | – FAN CONTROL SWITCH |
| SEF | – EXHAUST FAN SWITCH |
| | – RACEWAY CONDUIT CONCEALED IN CEILING |
| | – RACEWAY CONDUIT CONCEALED UNDER FLOOR |
| | – PANELBOARD |
| | – CKT. BREAKER, RATING AS INDICATED |
| | – DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE 10 AMPS, 250 VOLT WITH MODERN PLATE COVER |
| | – EXHAUST FAN OUTLET, SINGLE, GROUNDING TYPE 10 AMPS, 250 VOLT WITH MODERN PLATE COVER |
| | – HOMERUN DIRECT TO PANELBOARD |
| | – PUSH BUTTON |
| | – ENCLOSED AIR CIRCUIT BREAKER |
| | – FIRE ALARM CONTROL PANEL |
| | – FIRE ALARM STATION OUTLET |
| | – VIBRATING BELL OUTLET |
| | – FIRE ALARM BELL |
| | – SERVICE METER |
| | – SERVICE ENTRANCE |

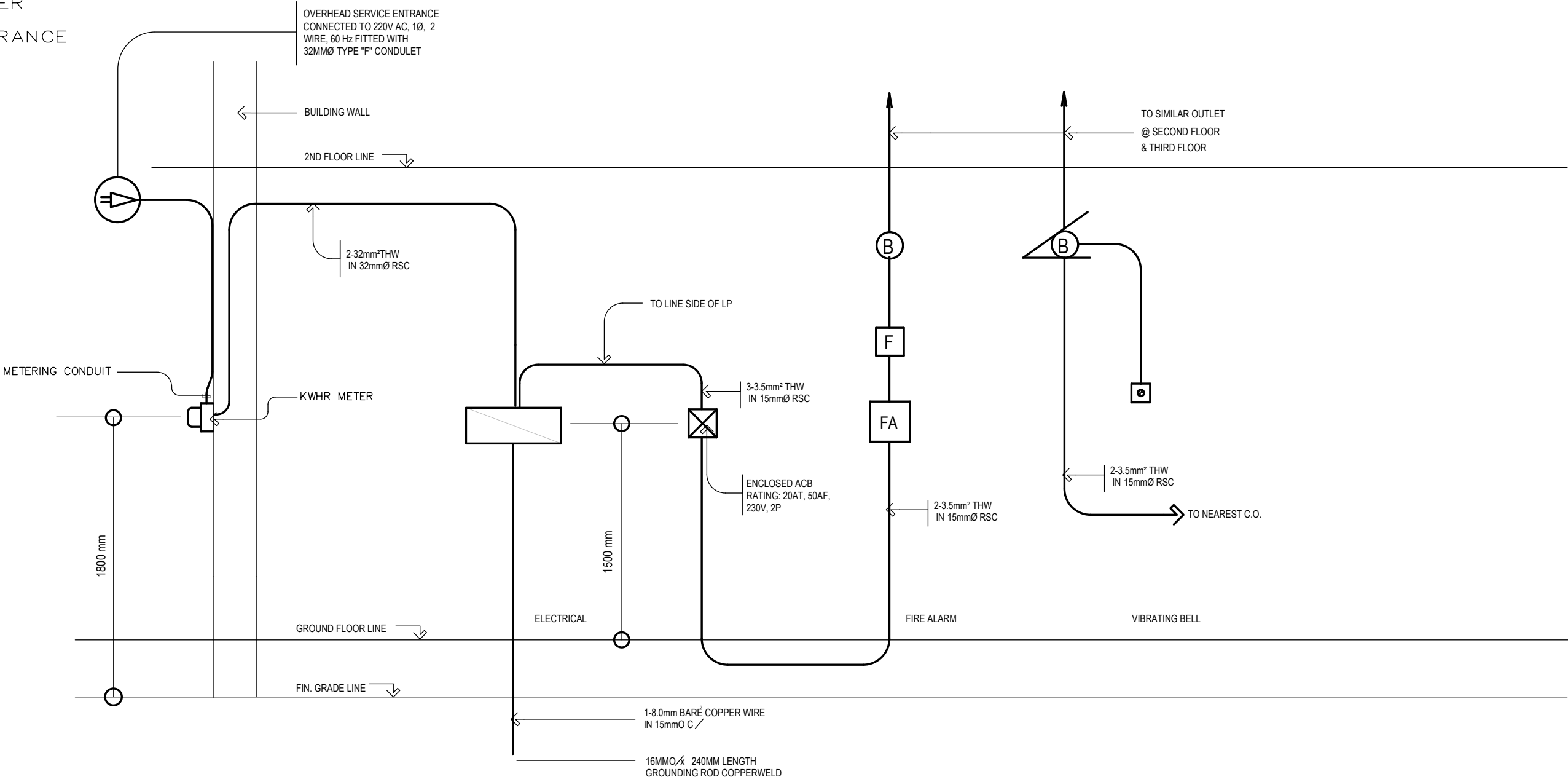
LOAD SCHEDULE

| PANELBOARD: LP | | | | | | | MAIN : 100AT, 100AF, 2P, 230V | |
|---|-----------------------------|---------|-----------------|------|-----|-----|---------------------------------------|--|
| CKT. NO. | DESCRIPTION | VA LOAD | CIRCUIT BREAKER | | | | WIRE & CONDUIT SIZE | |
| | | | VOLT | POLE | A T | A F | | |
| 1 | CONVENIENCE OUTLET - 9x180w | 1860 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 2 | CONVENIENCE OUTLET - 9x180w | 1860 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 3 | CONVENIENCE OUTLET - 9x180w | 1860 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 4 | LIGHTING OUTLET | 1460 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 5 | LIGHTING OUTLET | 1500 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 6 | LIGHTING OUTLET | 1200 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 7 | LIGHTING OUTLET | 1000 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 8 | LIGHTING OUTLET | 1200 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 9 | LIGHTING OUTLET | 1000 | 230 | 2 | 20 | 50 | 3.35mm² THW IN 15mmØ C | |
| 10 | S P A R E | 1500 | 230 | 2 | 20 | 50 | | |
| 11 | S P A R E | 1500 | 230 | 2 | 20 | 50 | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| TOTAL | | 15220 | | | | | | |
| IL @ 80% D.F. = 15220 x 80% x 1.25 = 63.8 A | | | | | | | FEEDER: 2-30mm² THW IN 32mmØ C | |
| 230 V | | | | | | | PROTECTION: 150 AT, 225 AF, 2P, 230 V | |



SINGLE LINE DIAGRAM

NOT TO SCALE



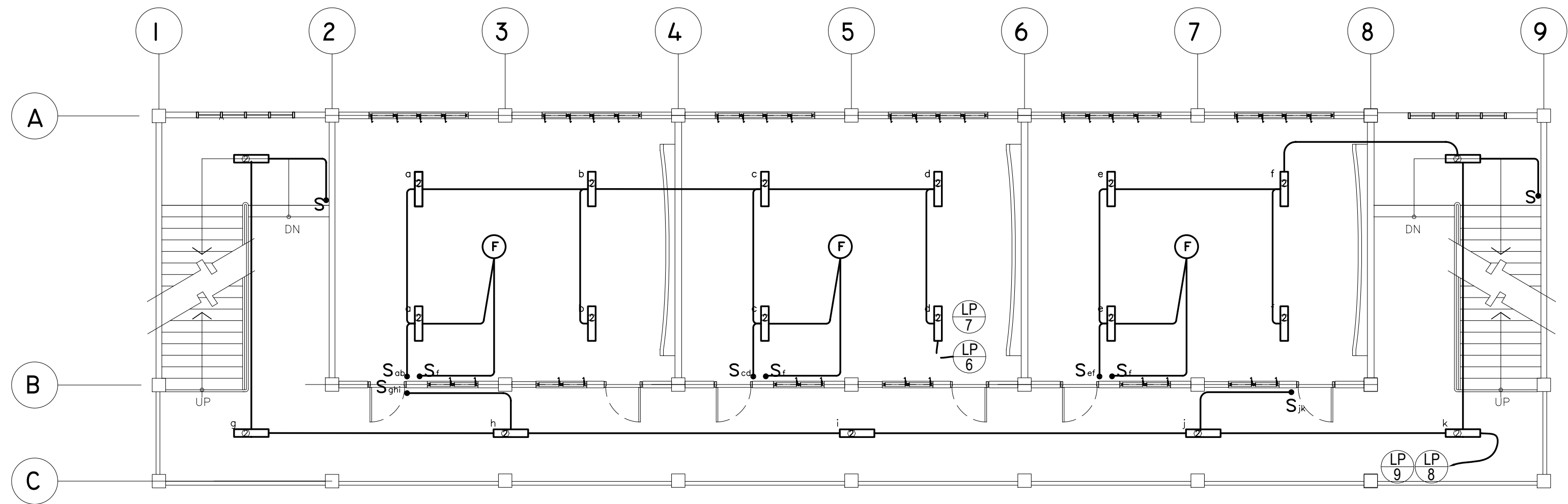
RISER DIAGRAM

NOT TO SCALE

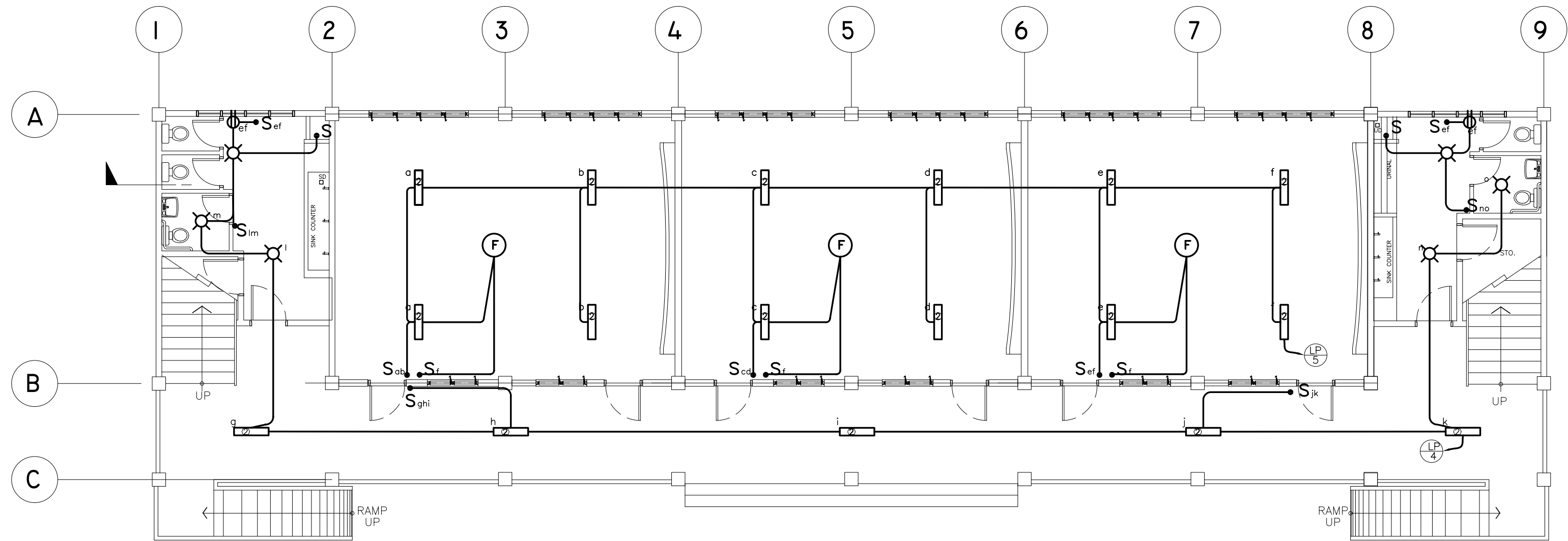
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|---|--|---|---|---|---|--|--|---|-----------------------|
| REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY | CONSULTANT / DESIGNER VENERANDO D. SAHAGUN ENGINEER II | REVIEWED BY: FE M. BARRIOS CHIEF, ELECTRICAL DIVISION BUREAU OF DESIGN, DPWH | RECOMMENDING APPROVAL : SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH | APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH | CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED) | PROJECT TITLE : THREE STOREY NINE CLASSROOM SCHOOL BUILDING | PROJECT NO: 01-002 DESIGNED BY: RDS ENCODED BY: Max C CHECKED BY: DATE : 01 03 | OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : GENERAL NOTES LOAD SCHEDULE LEGEND SINGLE LINE DIAGRAM RISER DIAGRAM | SHEET NO: E-I 3 |
| | PRC NO. : _____ TIN : _____ PTR NO. : _____ DATE : _____ | | | | | LOCATION : | | | |
| | | | | | | | | | |

THE REVIEW & APPROVAL OF THIS PLANS BY THE DPWH DOES NOT RELIEVE THE DESIGNER/CONSULTANT FROM RESPONSIBILITY FOR THE SAFETY OF THE COMPLETED FACILITIES AS WELL AS FOR THE FAILURE OF THE SAME DUE TO FAULTY DESIGN.

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TYP. 2ND & 3RD FLOOR LIGHTING LAYOUT
SCALE : 1 : 100 METERS

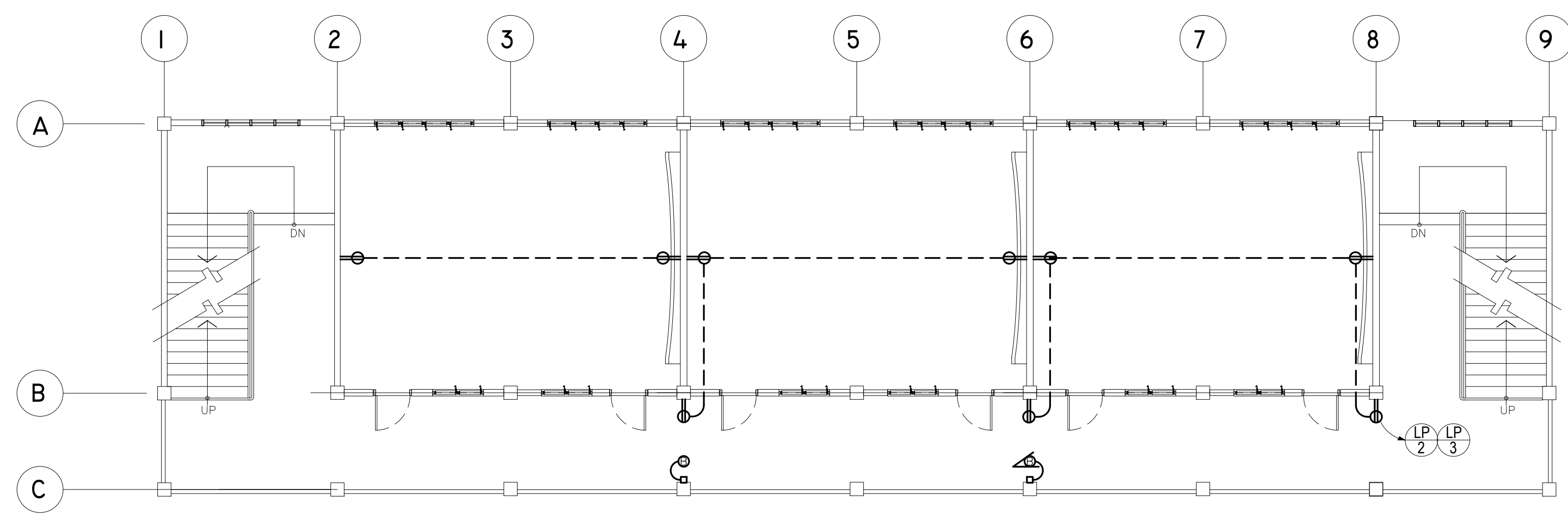


GROUND FLOOR LIGHTING LAYOUT
SCALE : 1 : 100 METERS

| | | | | | | | | | |
|---|---|---|--|--|--|---|--|---|-------------------------------|
| <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p> | CONSULTANT / DESIGNER VENERANDO D. SAHAGUN ENGINEER II | REVIEWED BY: FE M. BARRIENTOS CHIEF, ELECTRICAL DIVISION BUREAU OF DESIGN, DPWH | RECOMMENDING APPROVAL : SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH | APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH | CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED) | PROJECT TITLE : THREE STOREY NINE CLASSROOM SCHOOL BUILDING | PROJECT NO: 01-002 DESIGNED BY: RDS ENCODED BY: Max C CHECKED BY: DATE : 01 03 | OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : LIGHTING LAYOUT | SHEET NO: E-2 3 |
| | PRC NO. : PTR NO. : | TIN : DATE : | | | | LOCATION : | | | |
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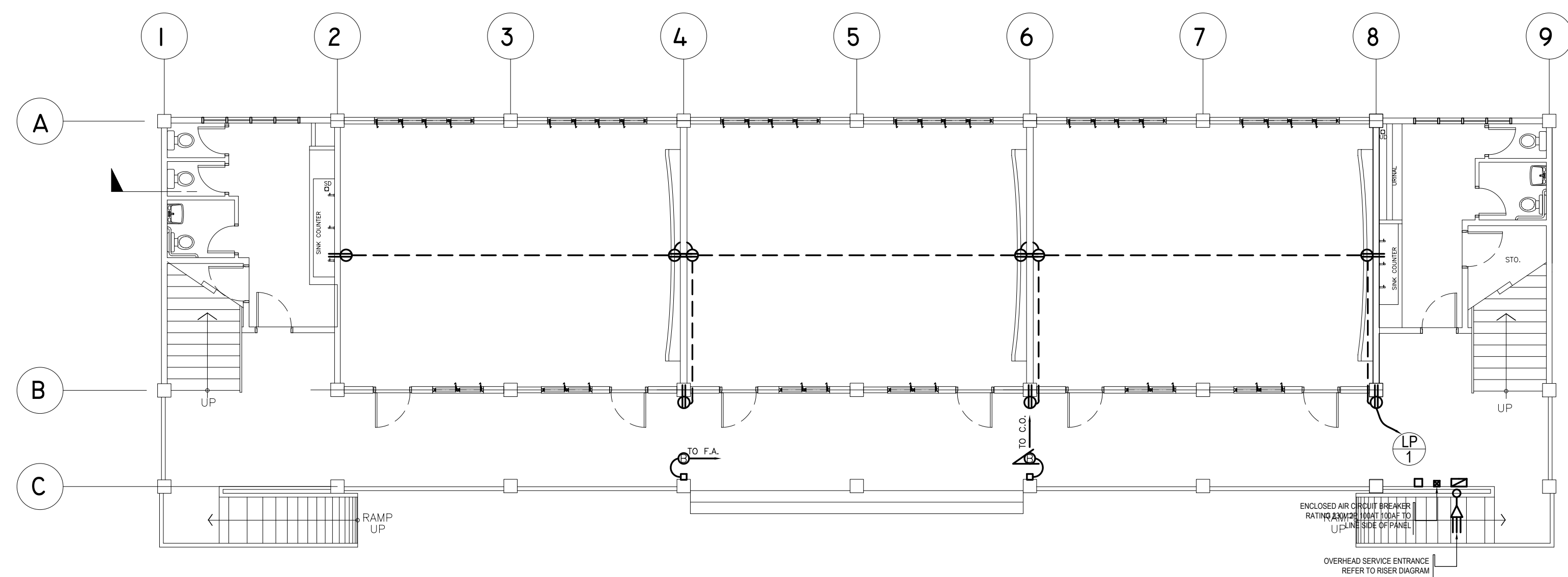
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SECOND FLOOR POWER LAYOUT

SCALE : 1 : 100 METERS



GROUND FLOOR POWER LAYOUT

SCALE : 1 : 100 METERS

| | | | | | | | | | |
|---|---|---|--|--|--|---|--|--|-------------------------------|
| REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY | CONSULTANT / DESIGNER VENERANDO D. SAHAGUN ENGINEER II | REVIEWED BY: FE M. BARRIENTOS CHIEF, ELECTRICAL DIVISION BUREAU OF DESIGN, DPWH | RECOMMENDING APPROVAL : SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH | APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH | CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED) | PROJECT TITLE : THREE STOREY NINE CLASSROOM SCHOOL BUILDING | PROJECT NO: 01-002 DESIGNED BY: RDS ENCODED BY: Max C CHECKED BY: DATE : 01 03 | OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : POWER LAYOUT | SHEET NO: E-1 3 |
| | PRC NO. : PTR NO. : TIN : DATE : | | | | | LOCATION : | | | |
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