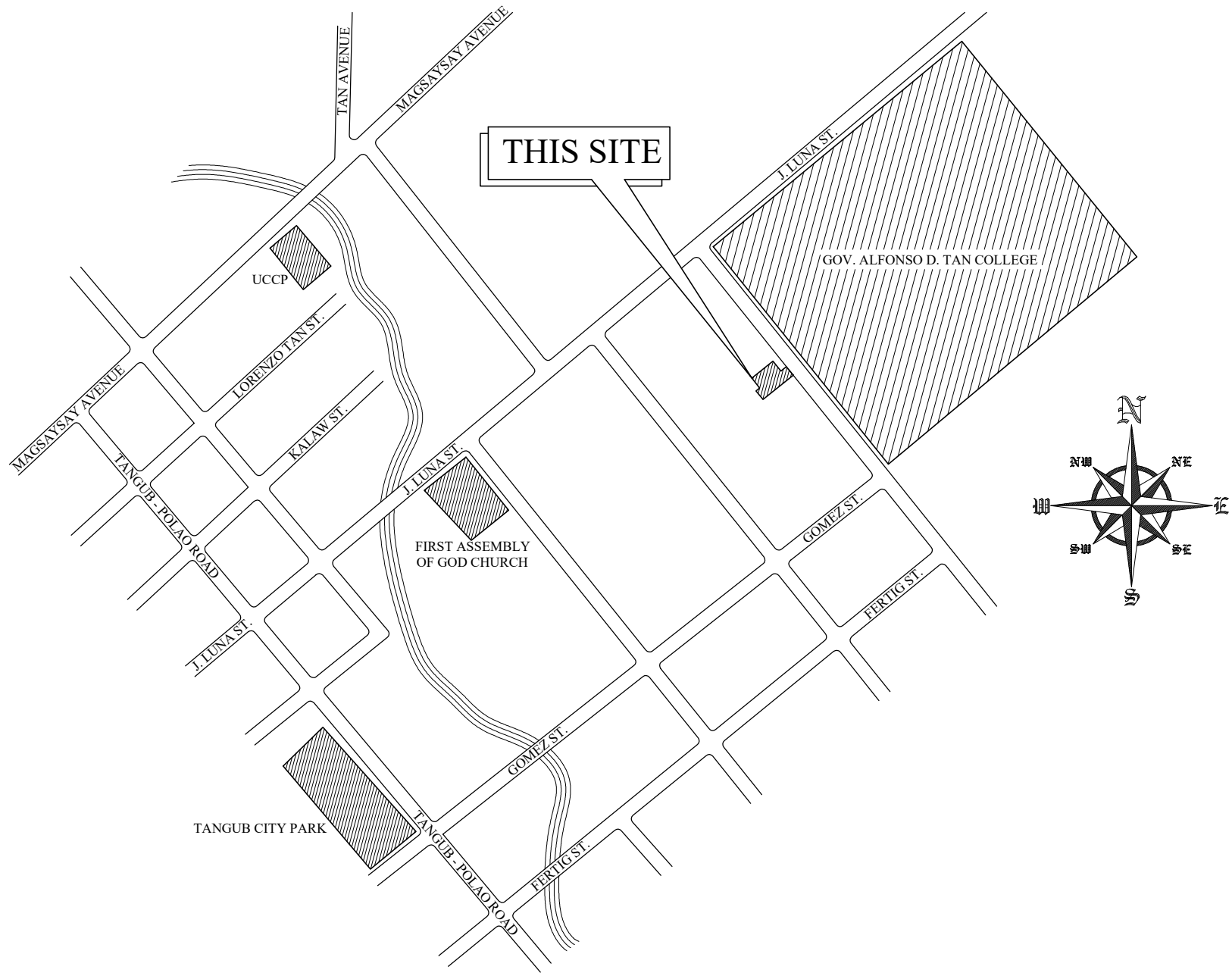




PROPOSED MARTEL RESIDENCE
PERSPECTIVE
A
A-1 NO TO SCALE

PROPOSED MARTEL RESIDENCE
SITE DEVELOPMENT PLAN
B
A-1 SCALE 1:100 M



PROPOSED MARTEL RESIDENCE
VICINITY MAP
C
A-1 NO TO SCALE

REPUBLIC OF THE PHILIPPINES
DPWH
OFFICE OF THE BUILDING OFFICIAL
PROVINCE OF MISAMIS OCCIDENTAL
TANGUB CITY
RECOMMENDING APPROVAL :

APPROVED BY: DATE

BUILDING OFFICIAL : DATE

RECOMMENDING APPROVAL :

APPROVED BY: DATE

LAND USE AND ZONING

BUILDING OFFICIAL : DATE

RECOMMENDING APPROVAL :

APPROVED BY: DATE

LINE AND GRADE

BUILDING OFFICIAL : DATE

RECOMMENDING APPROVAL :

APPROVED BY: DATE

ARCHITECTURAL

BUILDING OFFICIAL : DATE

RECOMMENDING APPROVAL :

APPROVED BY: DATE

STRUCTURAL

BUILDING OFFICIAL : DATE

RECOMMENDING APPROVAL :

APPROVED BY: DATE

SANITARY

BUILDING OFFICIAL : DATE

RECOMMENDING APPROVAL :

APPROVED BY: DATE

ELECTRICAL

BUILDING OFFICIAL : DATE

RECOMMENDING APPROVAL :

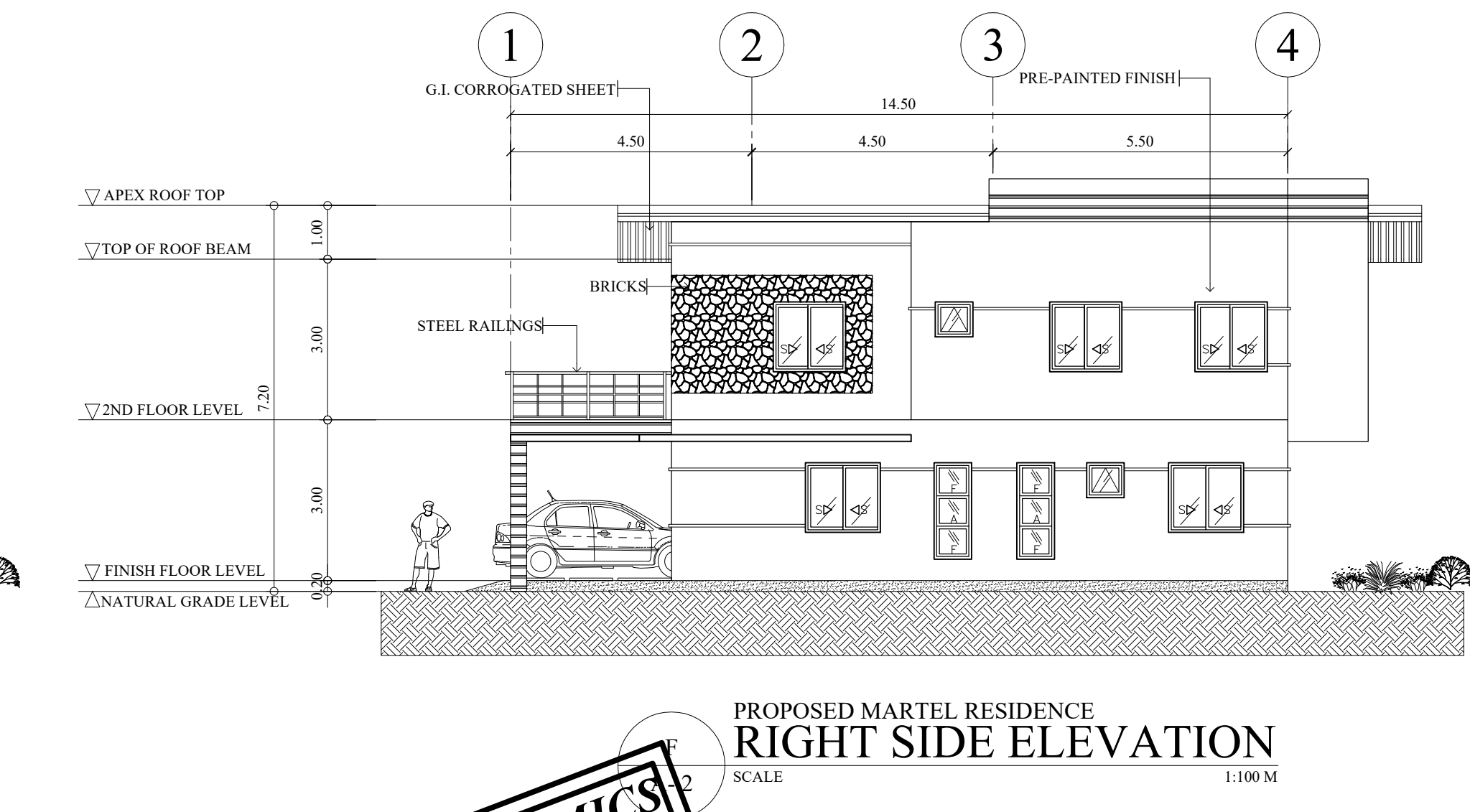
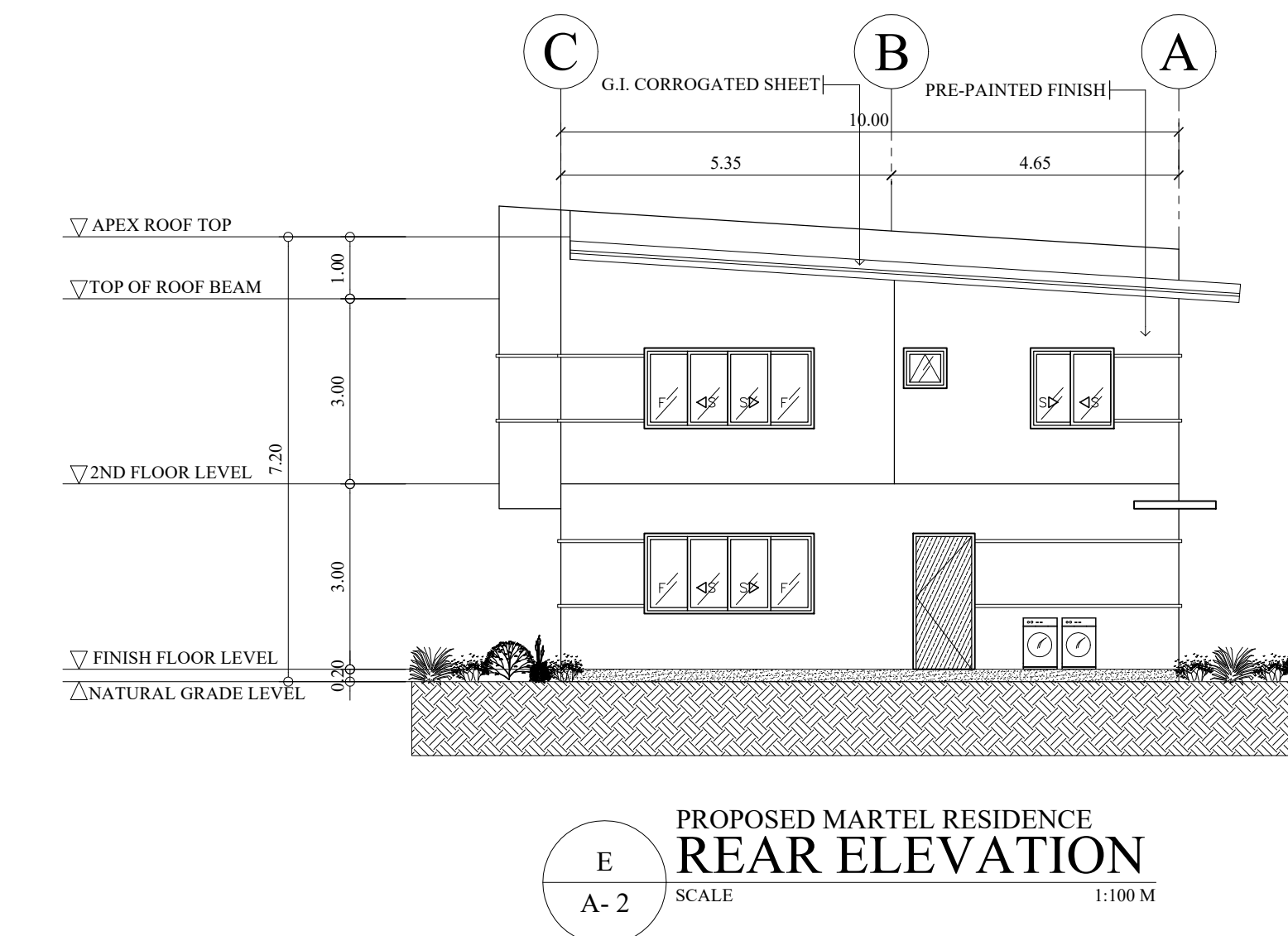
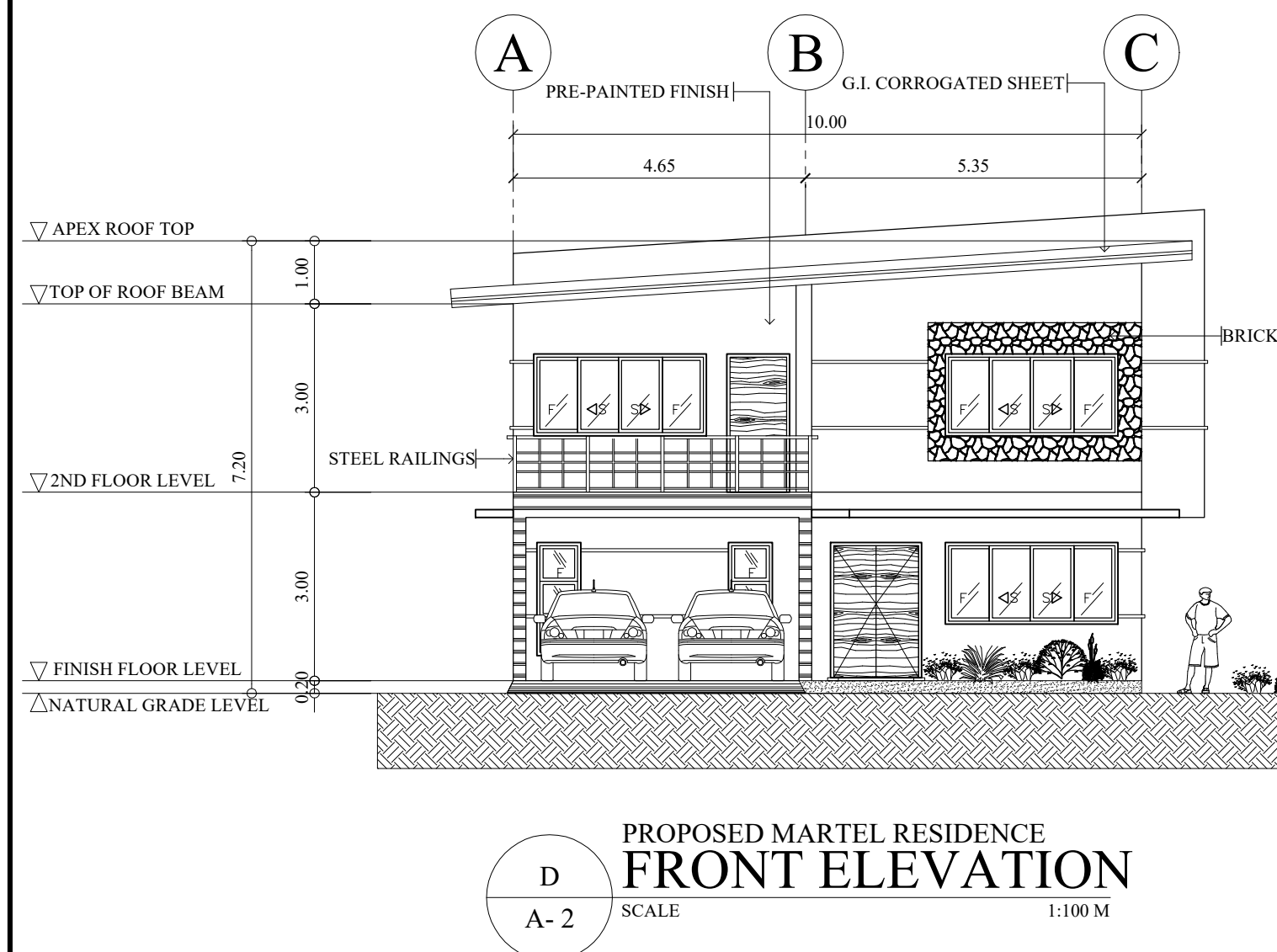
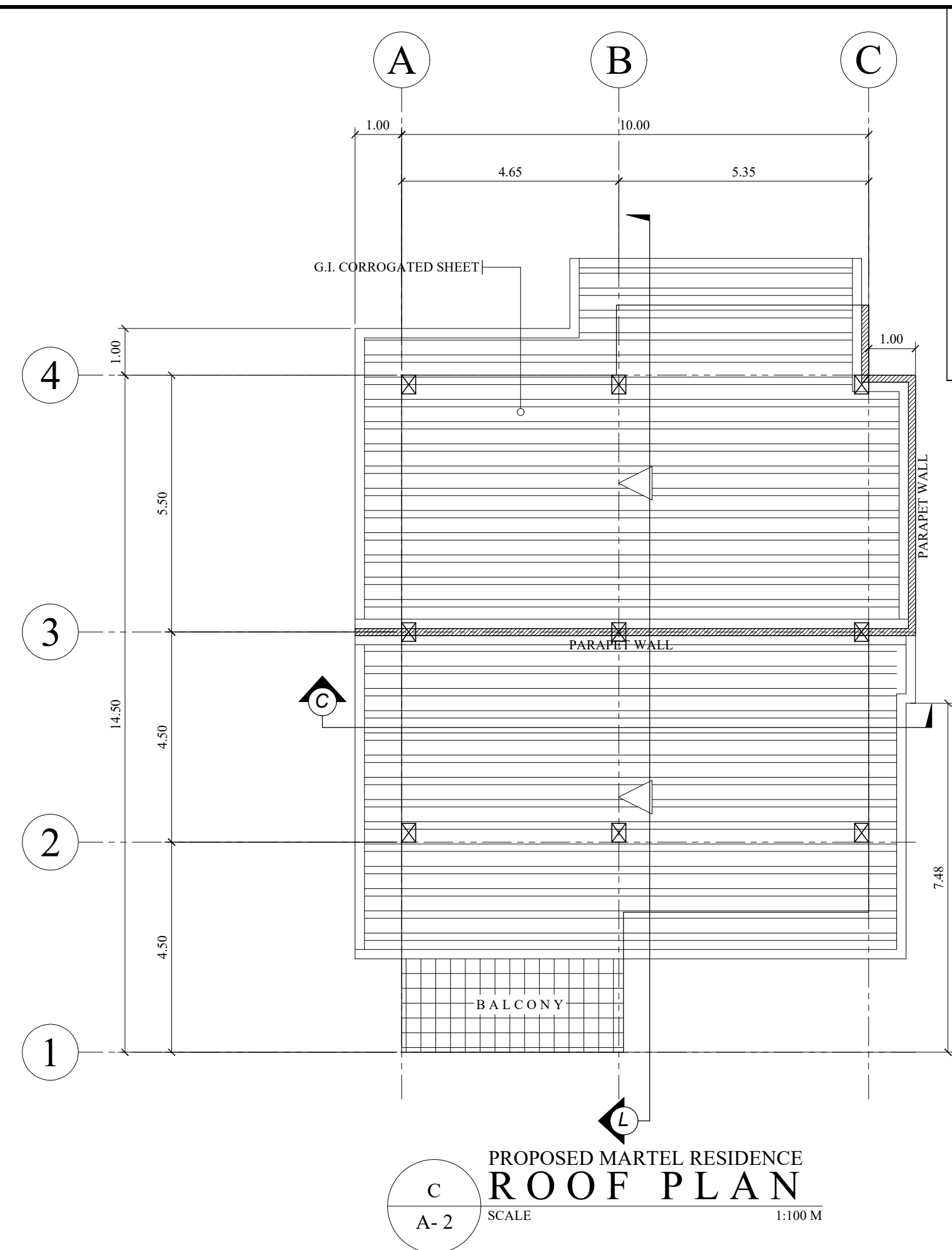
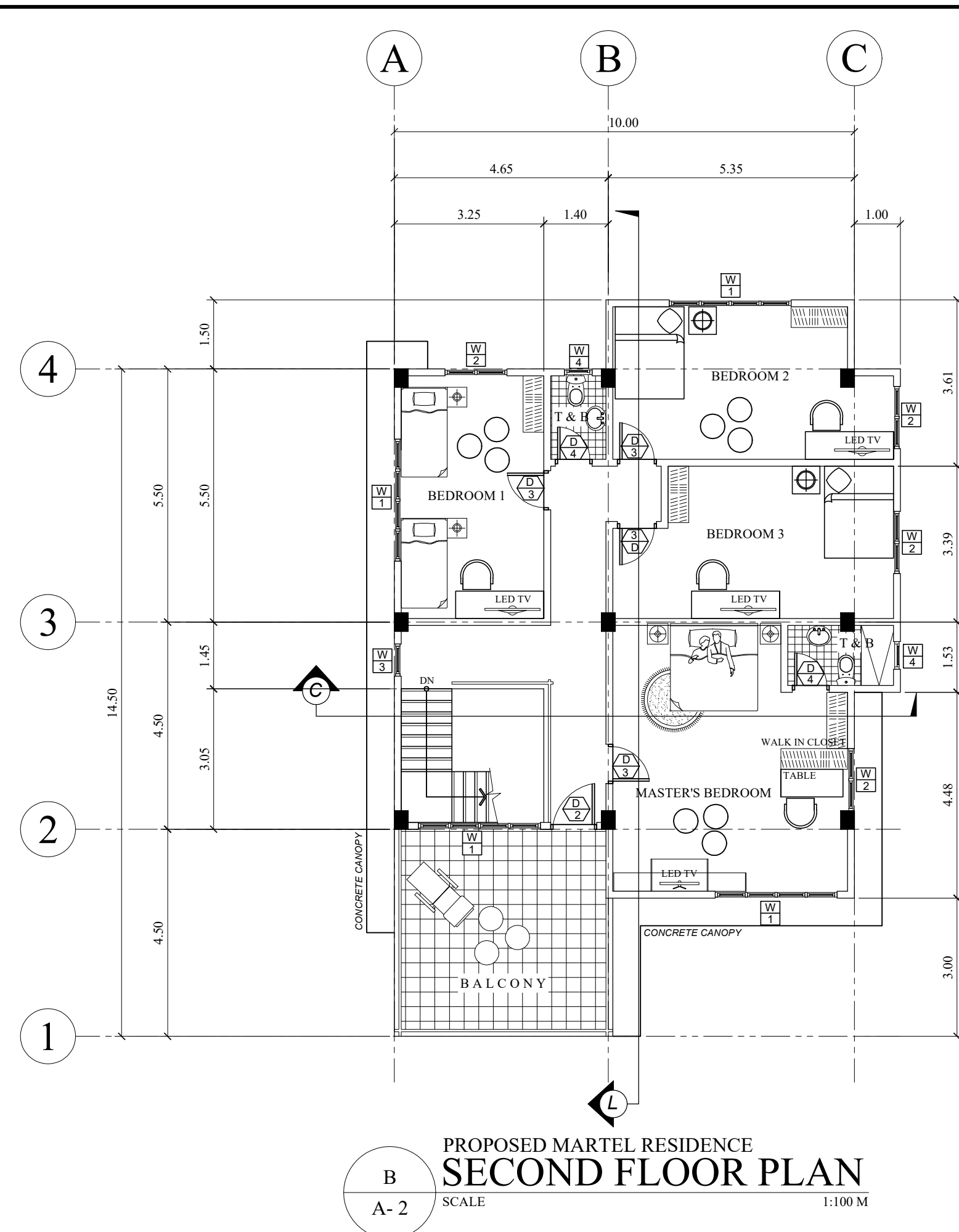
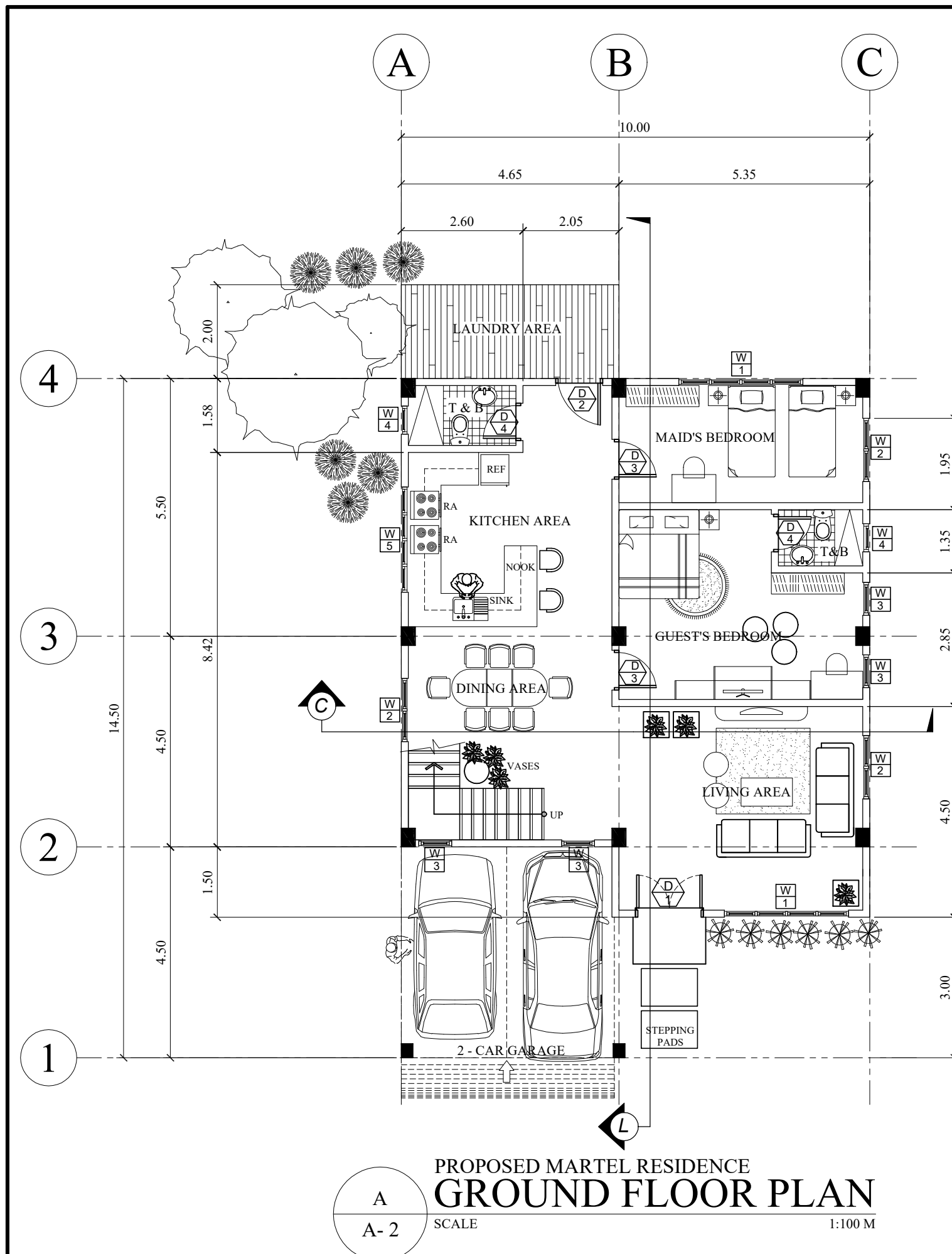
APPROVED BY: DATE

MECHANICAL FIRE

BUILDING OFFICIAL : DATE

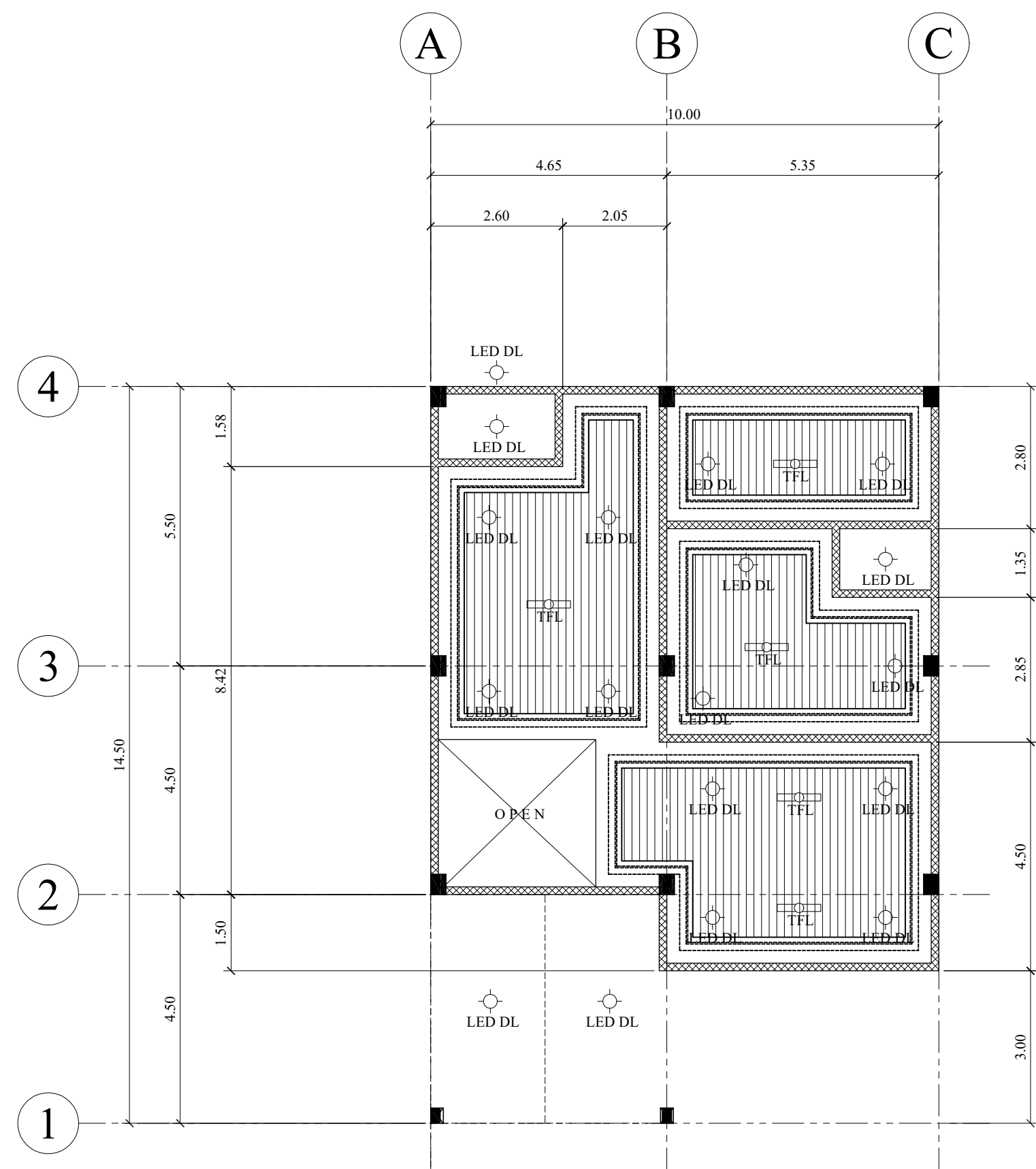
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| FROM THE OFFICE OF: | PRC NO. : | SEAL | PROPOSED PLAN & LOCATION: | OWNER: | SHEET CONTENTS: | REVISION NO.: 00 | SHEET NO.: |
| _____ LICENSED CIVIL ENGINEER | DATE: | | PROPOSED MARTEL RESIDENCE | <div>ISSUED FOR ACADEMIC PURPOSES ONLY DATE: FEB, 2022</div> | AS SHOWN | CAD BY: REXFORD GAPO | <div>A 1</div> |
| | PTR NO.: | | | | | EMAIL: rexford_saga@yahoo.com | |
| | DATE: | | | | | CHECKED BY: | |
| ADDRESS: | TIN NO. : | | LOCATION: | ADDRESS: | | PROJECT NO.: | |

ISSUED FOR ACADEMICS
PURPOSES ONLY
DATE: FEB, 2022

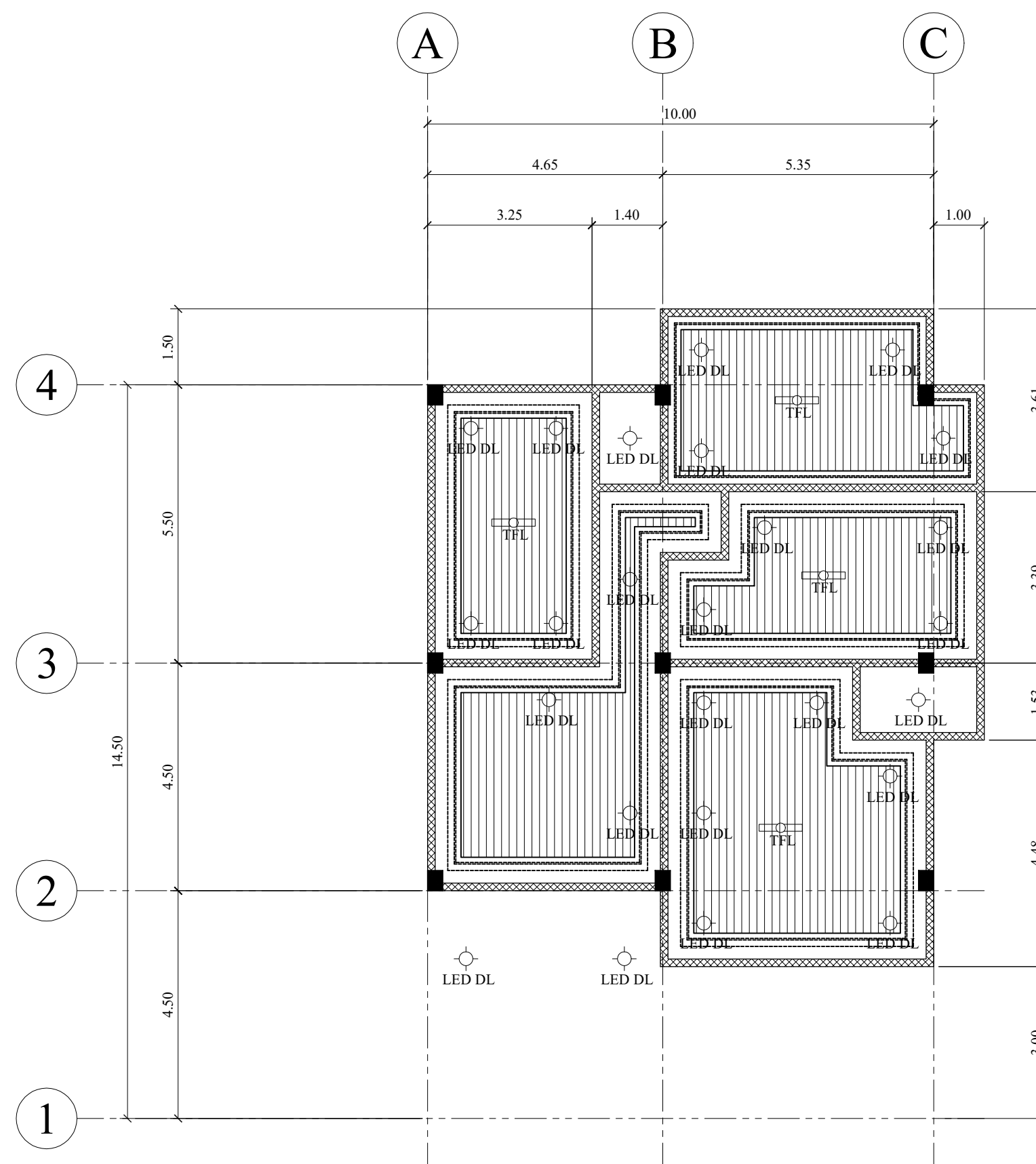


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|-------------------------|-----------|------|----------------------------------|----------|-----------------|-------------------------------|------------------|
| FROM THE OFFICE OF: | PRC NO. : | SEAL | PROPOSED PLAN & LOCATION: | OWNER: | SHEET CONTENTS: | REVISION NO.: 00 | SHEET NO.: |
| _____ | DATE: | | PROPOSED MARTEL RESIDENCE | | AS SHOWN | CAD BY: REXFORD GAPO | <div> A 2 </div> |
| LICENSED CIVIL ENGINEER | PTR NO.: | | | | | EMAIL: rexford_saga@yahoo.com | |
| ADDRESS: | DATE: | | | | | CHECKED BY: | |
| | TIN NO. : | | LOCATION: | ADDRESS: | | PROJECT NO.: | |

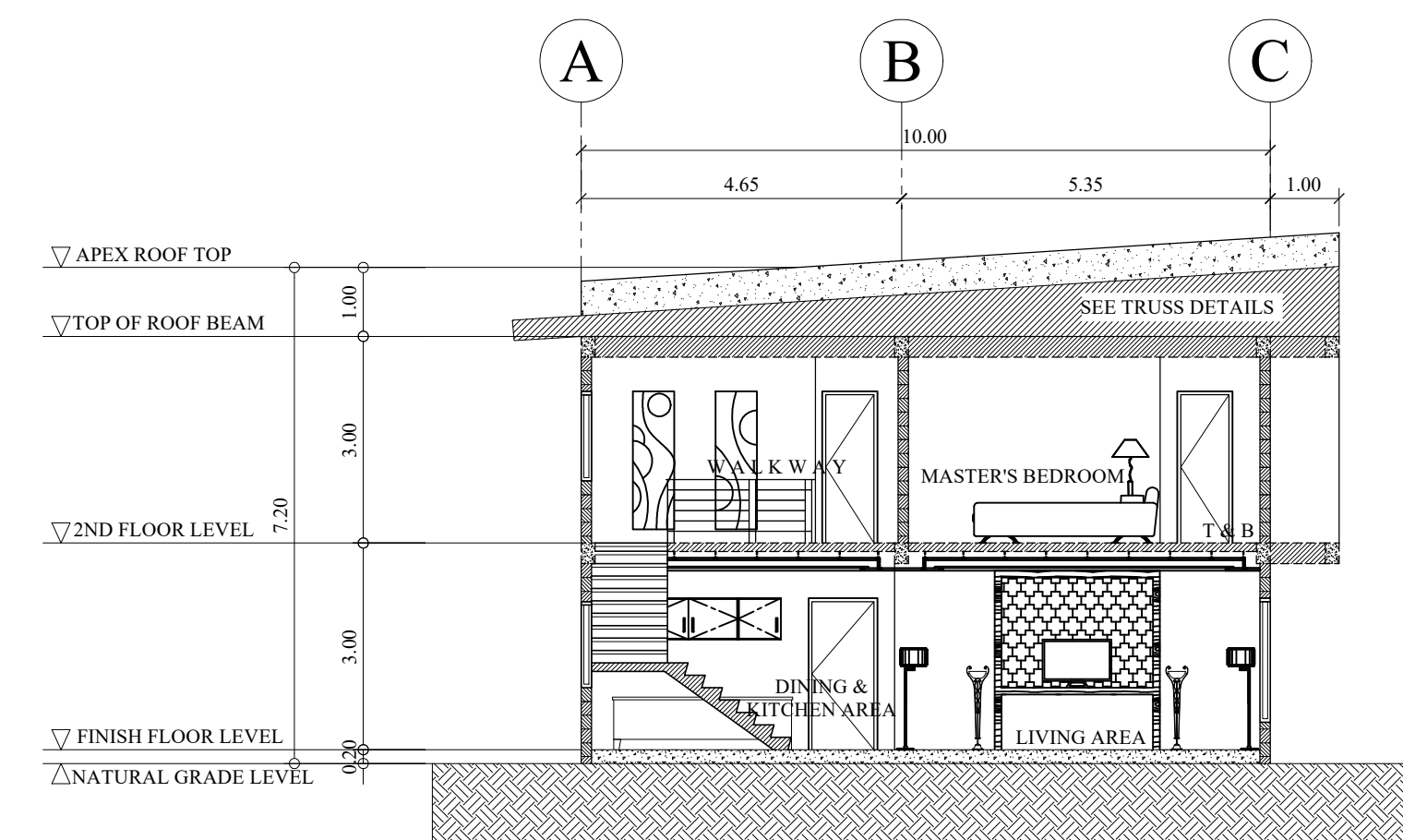
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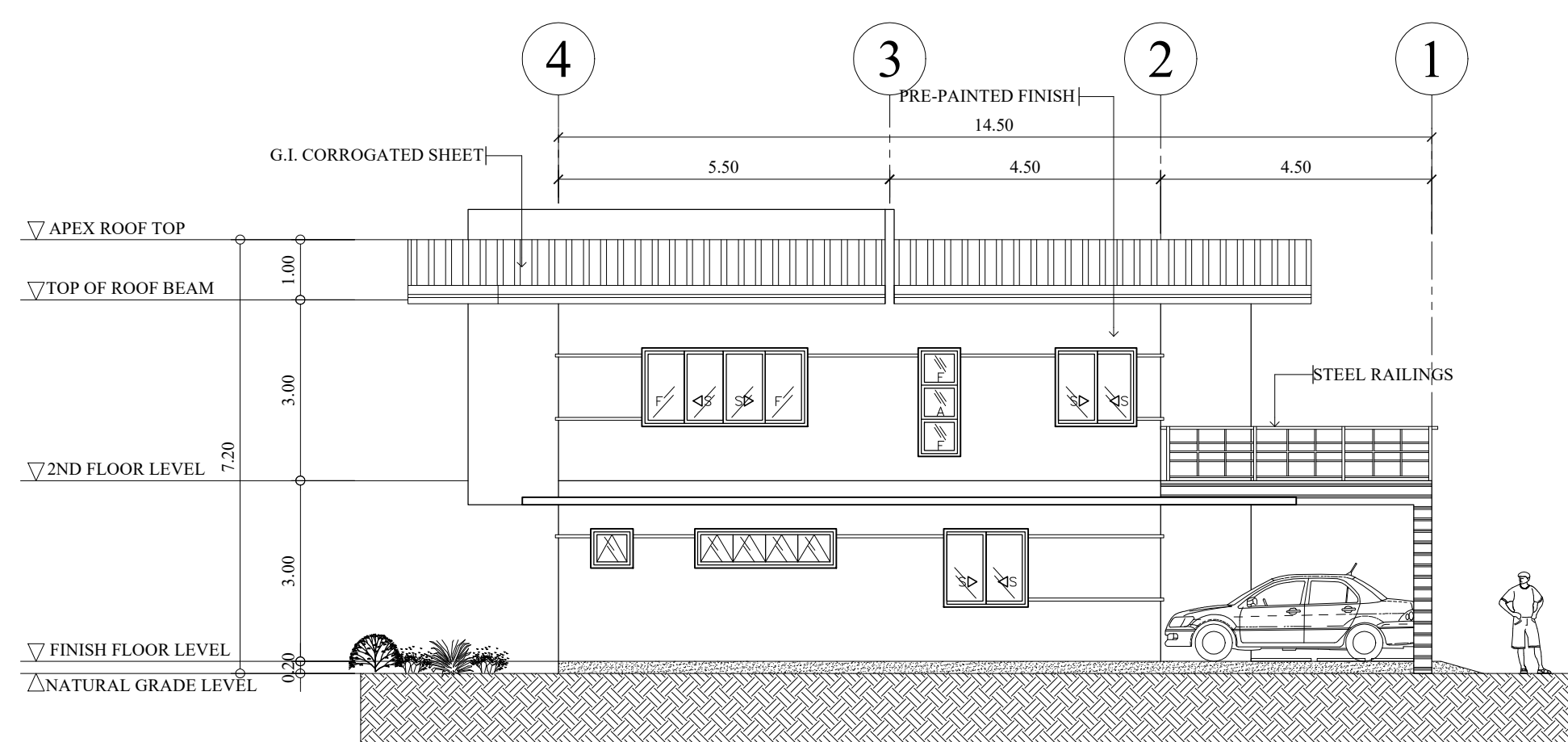
PROPOSED MARTEL RESIDENCE
GF REFLECTED CEILING PLAN
A-3 SCALE 1:100 M



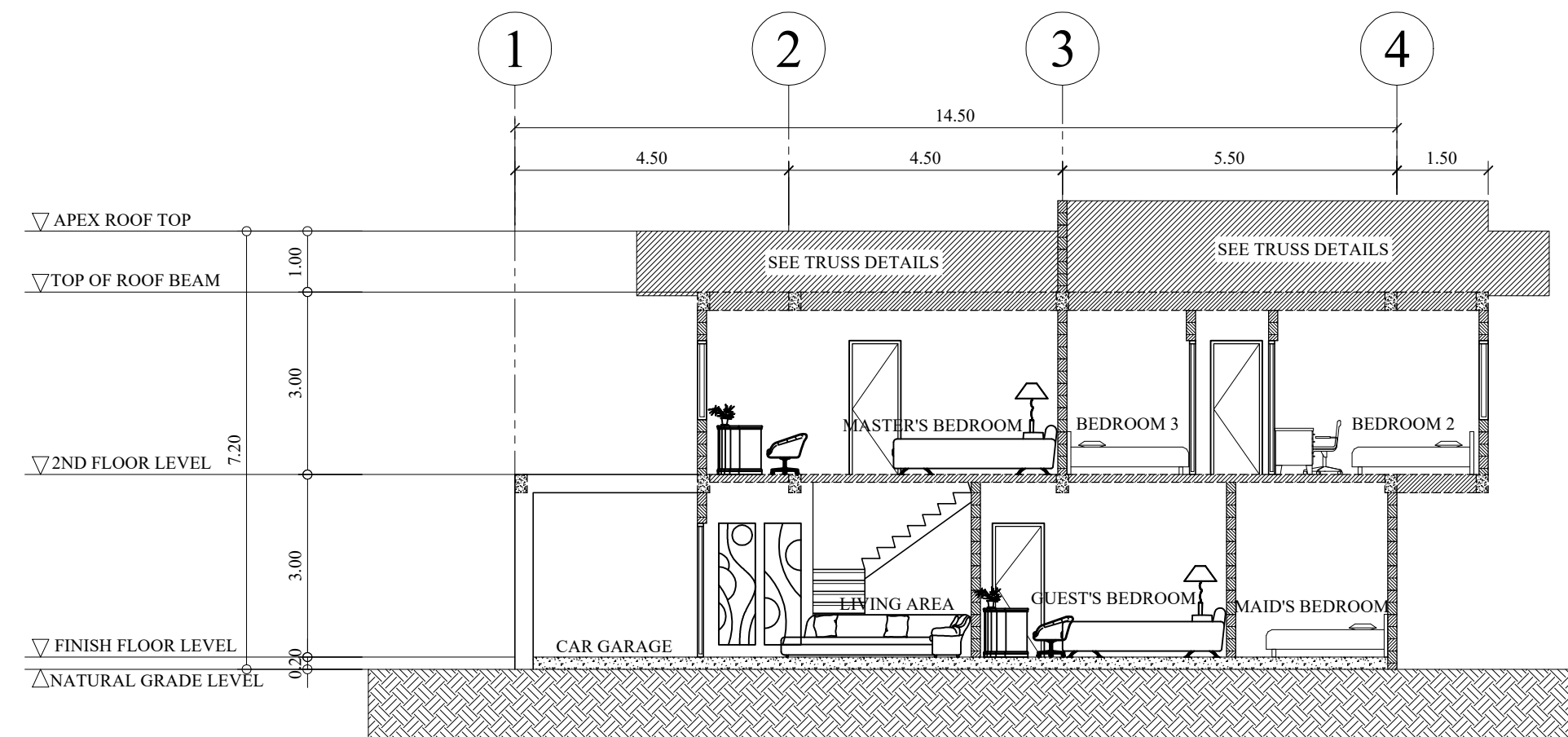
PROPOSED MARTEL RESIDENCE
SF REFLECTED CEILING PLAN
B-3 SCALE 1:100 M



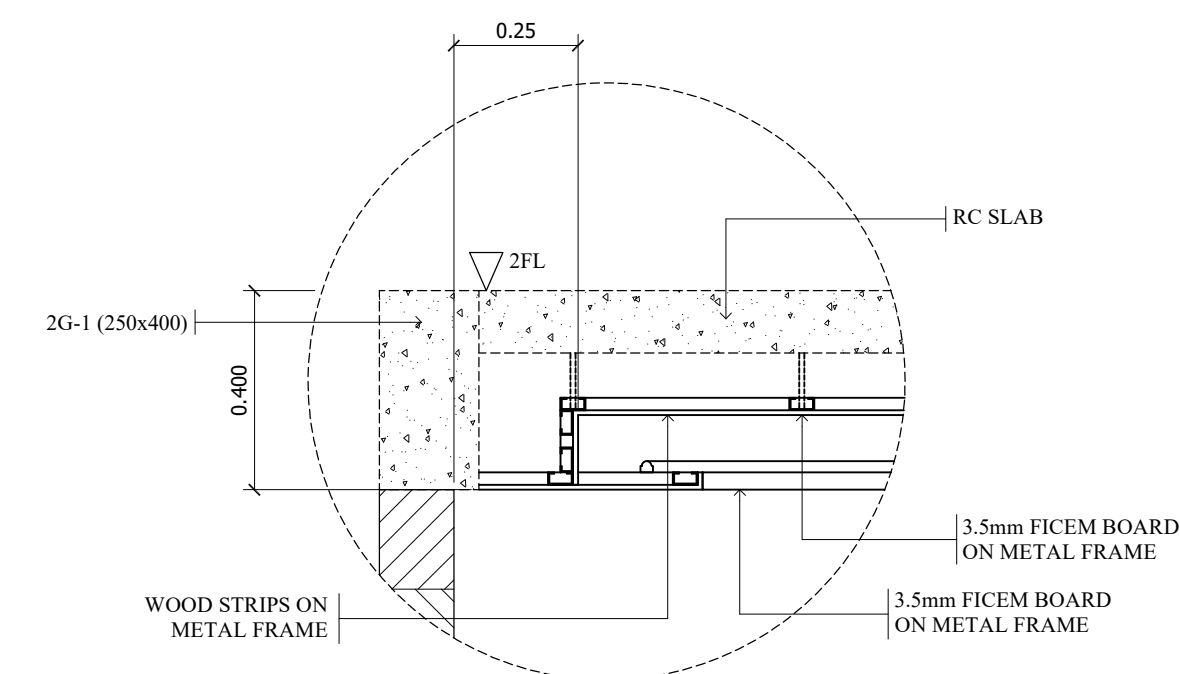
PROPOSED MARTEL RESIDENCE
CROSS SECTION
D-3 SCALE 1:100 M



PROPOSED MARTEL RESIDENCE
LEFT SIDE ELEVATION
C-3 SCALE 1:100 M



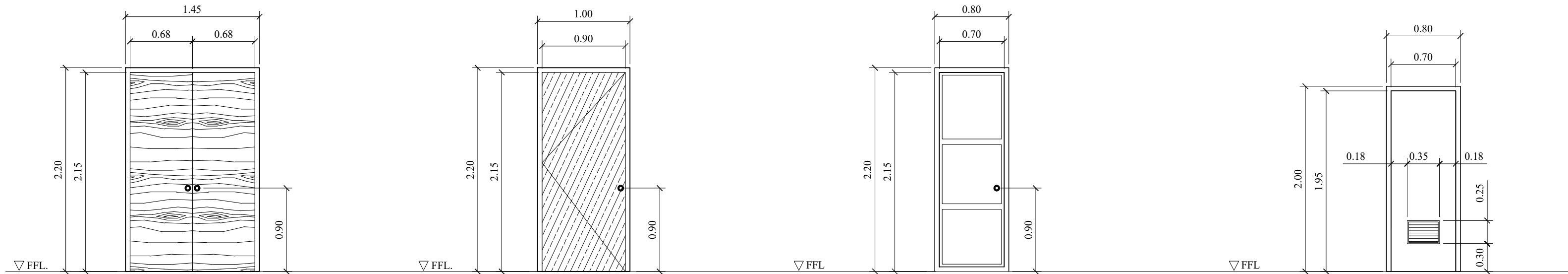
PROPOSED MARTEL RESIDENCE
LONGITUDINAL SECTION
E-3 SCALE 1:100 M



DROP CEILING
SPOT DETAIL
F-3 SCALE 1:15 M

| | | | | | | | |
|----------------------------------|-----------|------|---------------------------|---|-----------------|-------------------------------|---|
| FROM THE OFFICE OF: | PRC NO. : | SEAL | PROPOSED PLAN & LOCATION: | OWNER: | SHEET CONTENTS: | REVISION NO.: 00 | SHEET NO.: |
| _____ LICENSED CIVIL ENGINEER | DATE: | | PROPOSED MARTEL RESIDENCE |  | AS SHOWN | CAD BY: REXFORD GAPO |  |
| | PTR NO.: | | | | | EMAIL: rexford_saga@yahoo.com | |
| | DATE: | | | | | CHECKED BY: | |
| ADDRESS: | TIN NO. : | | LOCATION: | ADDRESS: | | PROJECT NO.: | |

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DATE: FEB, 2022



| | |
|-------------|----------------------------------|
| DOOR TAG | D1 |
| TYPE | DOUBLE SWING DOOR |
| DESCRIPTION | PANEL DOOR WITH ALCO SCREEN DOOR |
| LOCATION | GROUND FLOOR: MAIN DOOR |
| QUANTITY | 1 SET |

| | |
|-------------|---------------------------------|
| DOOR TAG | D2 |
| TYPE | SWING DOOR |
| DESCRIPTION | SCREEN DOOR WITH ALUMINUM FRAME |
| LOCATION | GROUND FLOOR: EXIT |
| QUANTITY | 1 SET |

| | |
|-------------|---|
| DOOR TAG | D3 |
| TYPE | SWING DOOR |
| DESCRIPTION | FLUSH HOLLOW CORE DOOR W/ VISION PANEL PAINTED FINISH |
| LOCATION | ALL BEDROOMS |
| QUANTITY | 6 SETS |

| | |
|-------------|-----------------------|
| DOOR TAG | D4 |
| TYPE | SWING DOOR |
| DESCRIPTION | PVC DOOR WITH LOUVERS |
| LOCATION | T & B |
| QUANTITY | 4 SETS |

PROPOSED MARTEL RESIDENCE

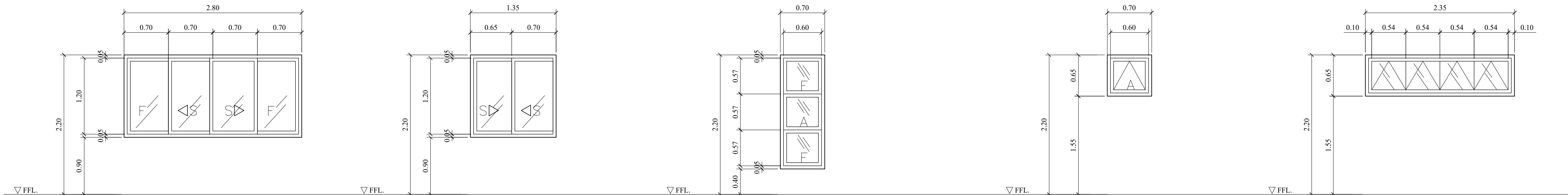
A

A- 4

SCHEDULE OF DOORS

SCALE

1:40 M



| | |
|-------------|------------------------------|
| WINDOW TAG | W1 |
| TYPE | FIXED / SLIDING GLASS WINDOW |
| DESCRIPTION | 6mm THK GLASS ANALOK BROWN |
| LOCATION | AS SHOWN |
| QUANTITY | 6 SETS |

| | |
|-------------|----------------------------|
| WINDOW TAG | W2 |
| TYPE | SLIDING GLASS WINDOW |
| DESCRIPTION | 6mm THK GLASS ANALOK BROWN |
| LOCATION | AS SHOWN |
| QUANTITY | 7 SETS |

| | |
|-------------|------------------------------|
| WINDOW TAG | W3 |
| TYPE | FIXED / SLIDING GLASS WINDOW |
| DESCRIPTION | 6mm THK GLASS ANALOK BROWN |
| LOCATION | AS SHOWN |
| QUANTITY | 5 SETS |

| | |
|-------------|----------------------------|
| WINDOW TAG | W4 |
| TYPE | AWNING GLASS WINDOW |
| DESCRIPTION | 6mm THK GLASS ANALOK BROWN |
| LOCATION | T & B |
| QUANTITY | 4 SETS |

| | |
|-------------|----------------------------|
| WINDOW TAG | W5 |
| TYPE | AWNING GLASS WINDOW |
| DESCRIPTION | 6mm THK GLASS ANALOK BROWN |
| LOCATION | T & B |
| QUANTITY | 2 SETS |

PROPOSED MARTEL RESIDENCE

B

A- 4

SCHEDULE OF WINDOWS

SCALE

1:40 M

A cross-sectional diagram of a wall and floor assembly. On the left, a vertical wall is shown with a stippled texture, labeled 'RET. WALL/CHB WALL'. At the base of the wall, a horizontal layer of 'POLYURETHANE SEALANT' is indicated. Below the sealant is a layer of 'SLAB REINF.' (slab reinforcement), which is a thin horizontal line. Below the reinforcement is the 'FLR. LVL.' (floor level), represented by a solid horizontal line. Below the floor level is a layer of 'COMPACTED GRAVEL BEDDING (TYP.)' shown with a pattern of small circles. Below the gravel is a 'VAPOR BARRIER WHEN REQUIRED', shown as a dashed horizontal line. Below the vapor barrier is the 'SUBGRADE COMPACTED TO 95% OF MAXIMUM MOISTURE CONTENT (MAX. DEPTH OF COMPRESSED FILL = (200mm PER LAYER))', shown with a diagonal hatching pattern. Dimensions are provided: a vertical dimension of '250' for the wall height from the floor level to the top of the sealant, and a horizontal dimension of '400' for the width of the gravel bedding layer.

RET. WALL/CHB WALL

POLYURETHANE SEALANT

SLAB REINF.

FLR. LVL.

250

400

COMPACTED GRAVEL BEDDING (TYP.)

VAPOR BARRIER WHEN REQUIRED

SUBGRADE COMPACTED TO 95% OF MAXIMUM MOISTURE CONTENT (MAX. DEPTH OF COMPRESSED FILL = (200mm PER LAYER)).

100

SLAB

SAW-CUT GROOVE 8MM WIDE
65MM DEEP TO BE FILLED WITH
POLYURETHANE SEALANT

SLAB REINF.

FLR. LVL.

20MM MIN.
CONC. COVER

COMPACTED GRAVEL
BEDDING (TYP.)

VAPOR BARRIER
WHEN REQUIRED

SUBGRADE COMPACTED
TO 95% OF MAXIMUM
MOISTURE CONTENT (MAX.
DEPTH OF COMPRESSED
FILL = 200mm PER LAYER).

150

200

12MM Ø

10MM Ø STIRRUPS
1@ 50, 5@ 100,
REST@ 300MM

12MM Ø

CHB WALL (INTERIOR)

CHB HOR. REINF. (SEE SCHED. OF REINF.)

CHB VERT. REINF. (SEE SCHED. OF REINF.)

DOWEL BARS TO MATCH HORIZONTAL REINFORCEMENT

ZOCALLO WALL

R.C. COLUMN AS PER SCHEDULE

CHB WALL (EXTERIOR)

1-16MM Ø VERT. BARS

400

100

200

100

160

400

400

CHB "T"

CHB "T"

DOWEL BARS TO MATCH HORIZONTAL REINFORCEMENT

Technical drawing showing a cross-section of a CHB wall and footing. The wall is 1200mm high and 400mm thick. It features horizontal reinforcement bars (CHB HOR. REINF.) and vertical reinforcement bars (CHB VERT. REINF.). The footing is 400mm wide and 200mm high. The drawing includes dimensions for the wall and footing, and labels for the reinforcement bars.

Labels and dimensions:

- CHB "w"
- 400
- 100
- 400
- 100
- 400
- CHB WALL
- CHB "t"
- 200
- 100
- 1-16MM Ø VERT. BARS
- CHB VERT. REINF. (SEE SCHED. OF REINF.)
- CHB HOR. REINF. (SEE SCHED. OF REINF.)
- CHB "t"

400 LAP SPLICE

300

CHB WALL

300

CHB VERT. REINF. (SEE SCHED. OF REINF.)

16MM Ø VERTICAL REINFORCEMENT

DOWEL BARS TO MATCH HORIZONTAL REINFORCEMENT

CHB HOR. REINF. (SEE SCHED. OF REINF.)

CHB "n"

400 LAP SPLICE

CHB "n"

100

200

1-16MM Ø VERT. BARS

CHB VERT. REINF. (SEE SCHED. OF REINF.)

CHB HOR. REINF. (SEE SCHED. OF REINF.)

DOWEL BARS TO MATCH HORIZONTAL REINFORCEMENT

CHB

Labels in the diagram:

- SAW-CUT GROOVE 8MM WIDE TO BE FILLED WITH POLYURETHANE SEALANT
- SLAB REINF.
- FLR. LVL.
- 20MM MIN. CONC. COVER
- CONSTRUCTION JOINT
- 100
- SLAB
- 75mm
- COMPACTED GRAVEL BEDDING (TYP.)
- VAPOR BARRIER WHEN REQUIRED
- SUBGRADE COMPACTED TO 95% OF MAXIMUM DRY DENSITY @ OPTIMUM MOISTURE CONTENT (MAX. DEPTH OF COMPRESSED FILL = (200mm PER LAYER)).

Diagram showing a section view of a wall assembly. The assembly consists of a stiffener column (labeled STIFFENER COLUMN @ EVERY 3.00M (SEE TYP. DETAILS)) and a bond beam (labeled BOND BEAM (SEE TYP. DETAIL)). The wall is shown with a roof beam at the top and a foundation at the bottom. The stiffener column is shown with a vertical section line and a label indicating its spacing and reference to typical details.

Figure 10 illustrates the details of a pipe penetration through a concrete wall. The diagram shows a plan view and a cross-section. The plan view shows a circular pipe opening in a wall, surrounded by a concrete sleeve. The cross-section shows the pipe passing through a concrete wall, with a concrete sleeve and a 12mm gap (minimum) between the sleeve and the wall. Labels include: CHB "4", CONCRETE FILLER, PIPE, MASTIC SEALANT EACH SIDE, PIPE SLEEVE, COMPRESSIBLE MATERIALS, CHB WALL, 12mm GAP (MIN.), CONCRETE FILLER, PIPE SLEEVE REQUIRED, and CHB "4".

[illegible]

SECTION A-A

- 2 EXTRA STIRRUPS EACH SIDE OF SLEEVE
- TOP BARS
- Ø16 EXTRA BARS E.F. (DIAGONALS)
- PIPE SLEEVE
- Ø 16 CROSS ANCHORS WELDED TO SLEEVE
- BOTTOM BARS

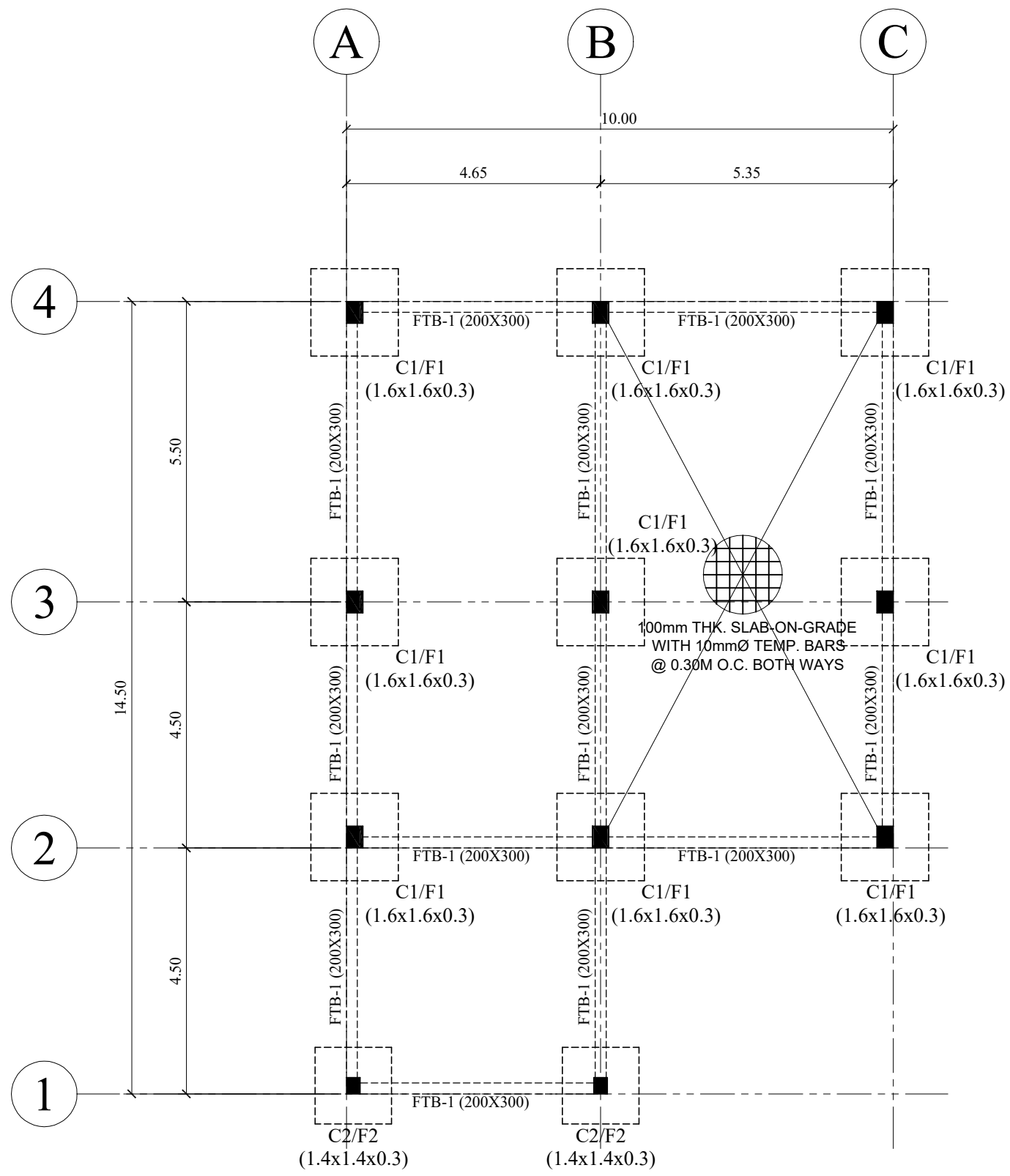
NOTES:

1. SEEK STRUCT'L ENGINEER'S APPROVAL FOR PIPE SLEEVES W/ DIAMETERS BIGGER THAN THE MAXIMUM STIPULATED.
2. PIPE SLEEVES SHALL BE LOCATED WITHIN TENSION ZONES OF BEAM.
3. NO PIPE SLEEVE SHALL BE ALLOWED AT TWICE THE BEAM DEPTH (2D) FROM THE SUPPORT.

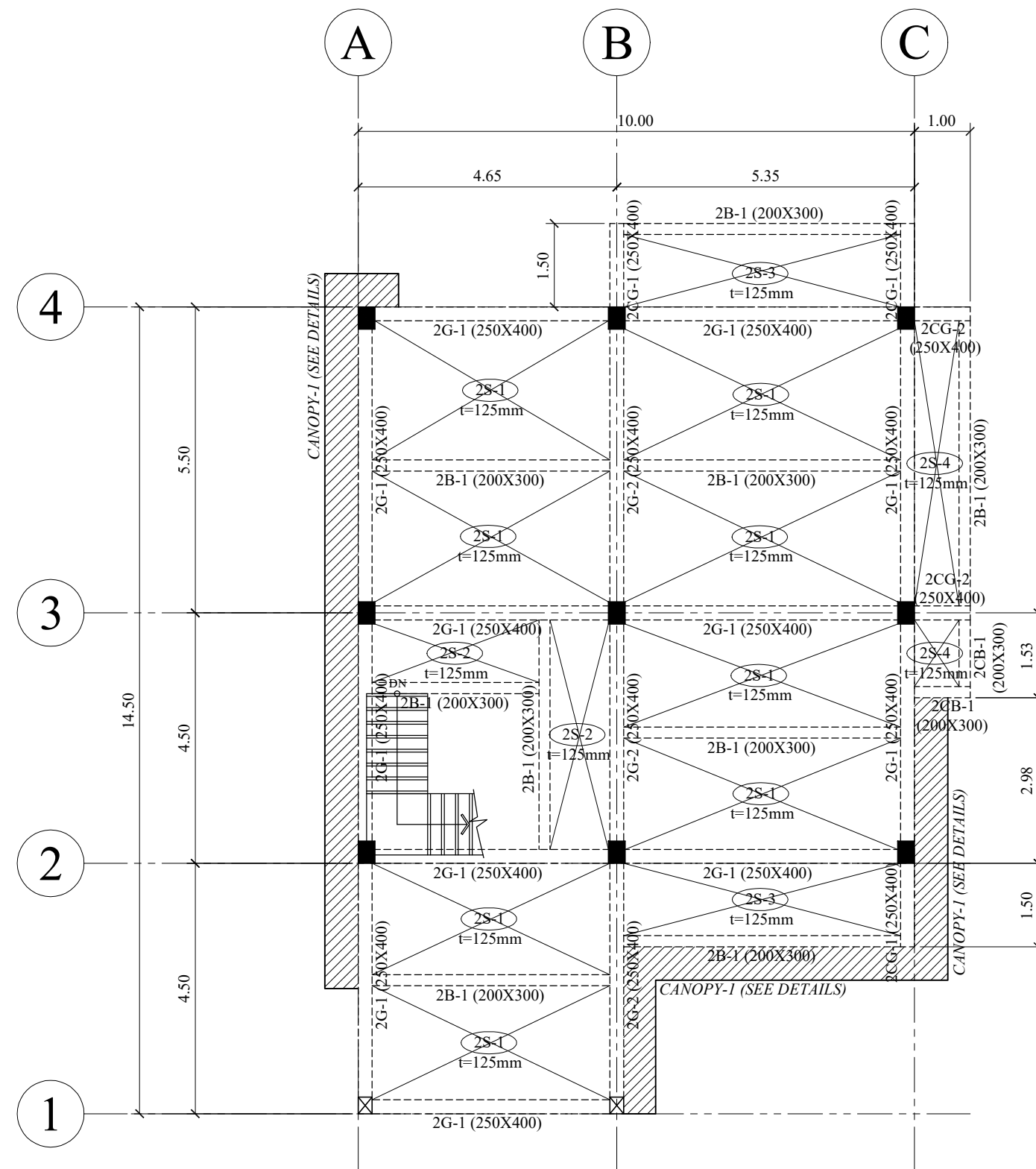
Diagram illustrating the elevation view of a window opening in a brick wall. The window opening is rectangular, with a height of 1.20m (max) and a width of 200mm (max). The wall is constructed of bricks. The window opening is labeled "WINDOW OPENING". The top and bottom bars are labeled "2 - 12MM Ø TOP & BOTTOM BARS". The vertical bars are labeled "16MM Ø VERT. BARS". The wall is labeled "CHB WALL". The height of the wall is labeled "H".

| | | | | | | | | |
|---|-----------|------|----------------------------------|----------|---|-----------------|-------------------------------|---|
| FROM THE OFFICE OF: | PRC NO. : | SEAL | PROPOSED PLAN & LOCATION: | OWNER: |  | SHEET CONTENTS: | REVISION NO.: 00 | SHEET NO.: |
| <div style="border-bottom: 1px solid black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <div style="text-align: center;">LICENSED CIVIL ENGINEER</div> | DATE: | | PROPOSED MARTEL RESIDENCE | | | AS SHOWN | CAD BY: REXFORD GAPO |  |
| | PTR NO.: | | | | | | EMAIL: rexford_saga@yahoo.com | |
| | DATE: | | | | | | CHECKED BY: | |
| ADDRESS: | TIN NO. : | | LOCATION: | ADDRESS: | | | PROJECT NO.: | |

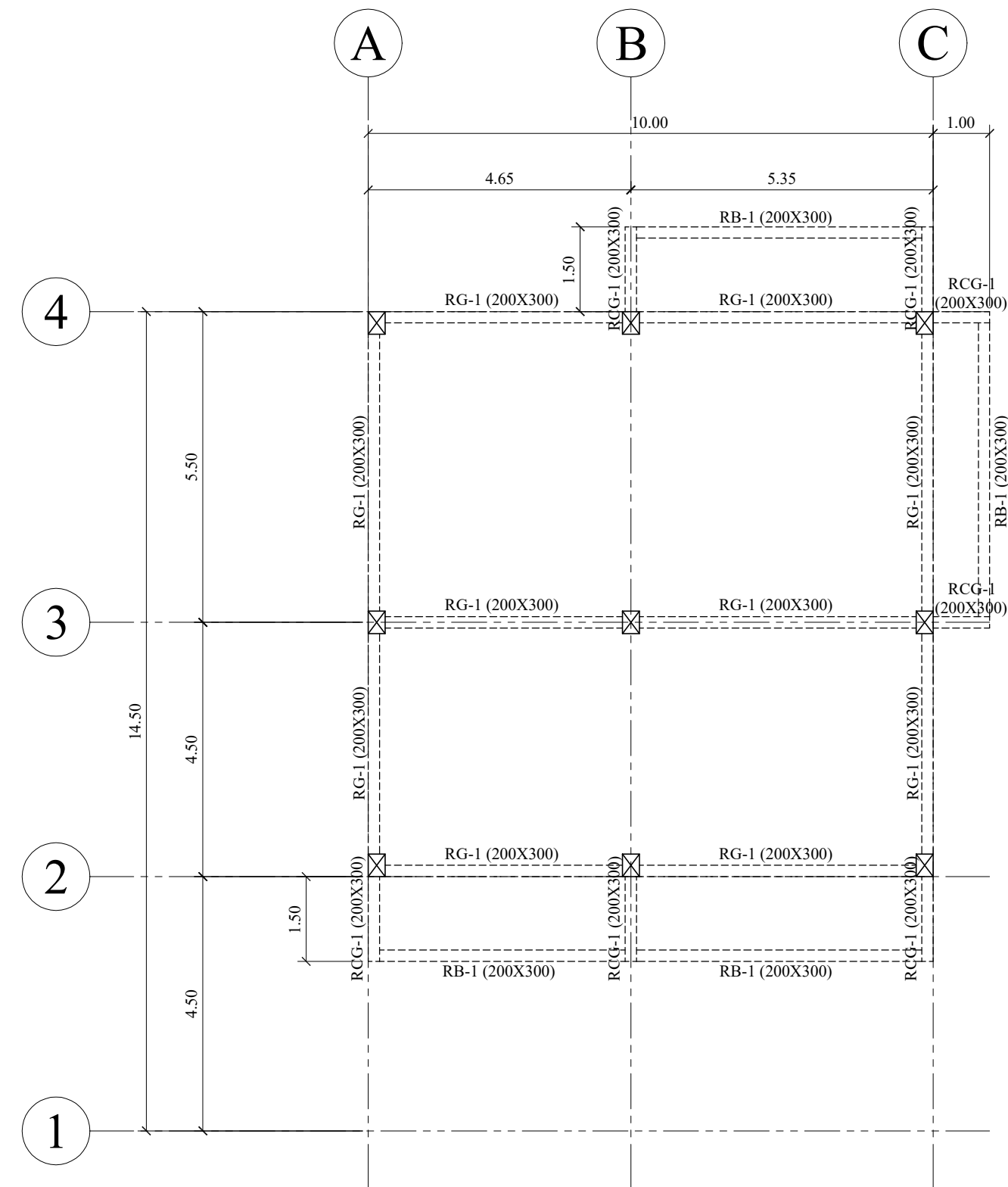
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PROPOSED MARTEL RESIDENCE
FOUNDATION PLAN
A
S-2
SCALE 1:100 M



PROPOSED MARTEL RESIDENCE
SECOND FLOOR FRAMING PLAN
B
S-2
SCALE 1:100 M



PROPOSED MARTEL RESIDENCE
ROOF BEAM LAYOUT PLAN
C
S-2
SCALE 1:100 M

SCHEDULE OF FOOTINGS

| MARK | FOOTING DIMENSIONS | | | EMBEDMENT DEPTH (m) | TOP BARS | | BOTTOM BARS | | REMARKS |
|------|--------------------|---------------|-----------------|---------------------|------------------|------------------|------------------|------------------|------------------|
| | WIDTH, B (m) | LENGTH, L (m) | THICKNESS t (m) | | X-DIRECTION BARS | Y-DIRECTION BARS | X-DIRECTION BARS | Y-DIRECTION BARS | |
| F1 | 1.60 | 1.60 | 0.30 | 1.00 | NONE | NONE | 9 - 16MM Ø | 9 - 16MM Ø | ISOLATED FOOTING |
| F2 | 1.40 | 1.40 | 0.30 | 1.00 | NONE | NONE | 8 - 16MM Ø | 8 - 16MM Ø | ISOLATED FOOTING |

MATERIAL SPECIFICATIONS:
 $f'_c = 21 \text{ MPa}$ (3,000 psi)
 $f_y = 276 \text{ MPa}$ (40,000 psi) FOR 12MMØ BARS AND BELOW
 $f_y = 414 \text{ MPa}$ (60,000 psi) FOR 16MMØ BARS AND ABOVE
ALLOWABLE SOIL PRESSURE:
 $q_a = 192 \text{ kPa}$ (4,000 psf)

SCHEDULE OF RC COLUMNS

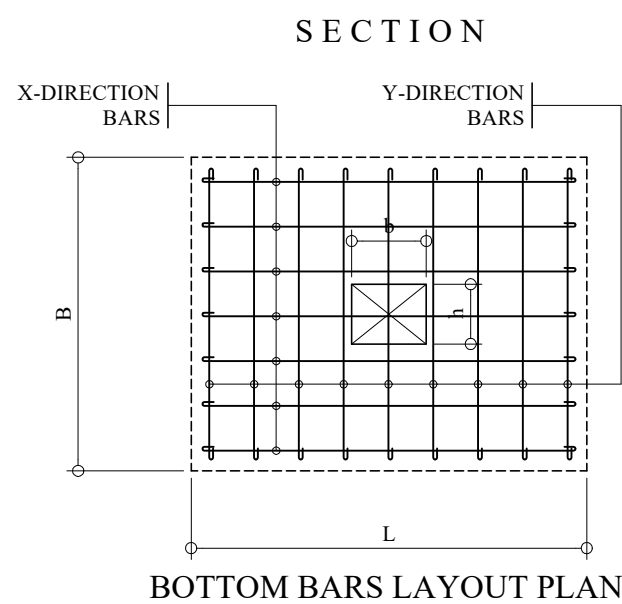
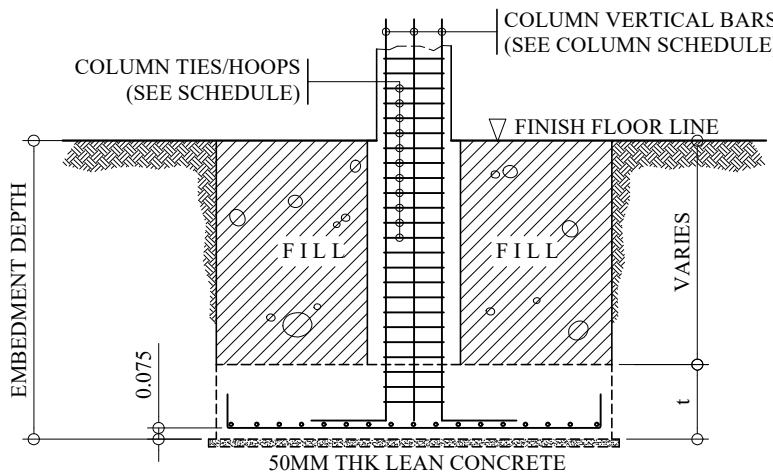
| MARK | GROUND TO 2ND FLOOR LEVEL | 2ND FLOOR TO ROOF LEVEL |
|---------------|---------------------------|---------------------------|
| C1 | | |
| SIZE | 300 mm x 400 mm | 300 mm x 400 mm |
| VERT. BARS | 8 - 16mm | 6 - 16mm |
| TIES / SPIRAL | 2 SETS - 9Ø @ 150mm | 2 SETS - 9Ø @ 150mm |
| CONF. REINF. | 2 SETS - 6 PCS 9Ø @ 100mm | 2 SETS - 6 PCS 9Ø @ 100mm |
| JOINT REINF. | 2 SETS - 9Ø @ 100mm | 2 SETS - 9Ø @ 100mm |
| C2 | | |
| SIZE | 250 mm x 300 mm | |
| VERT. BARS | 6 - 16mm Ø | |
| TIES / SPIRAL | 2 SET - 9Ø @ 150mm | |
| CONF. REINF. | 2 SET - 6 PCS 9Ø @ 100mm | |
| JOINT REINF. | 2 SET - 9Ø @ 100mm | |

MATERIALS SPECIFICATION: $f'_c = 21 \text{ MPa}$ (3,000 psi)
 $f_y = 414 \text{ MPa}$ (60,000 psi)

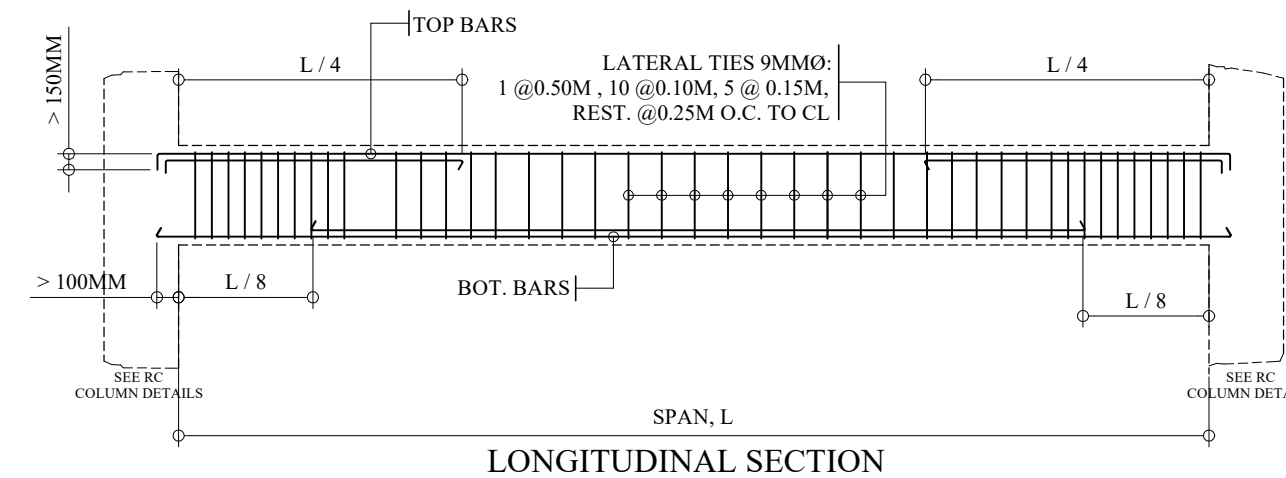
SCHEDULE OF FOOTING TIE BEAMS

| MARK | BEAM SECTION | | |
|-------------|---|-----------------|-------------------|
| | LEFT END SECTION | MIDSPAN SECTION | RIGHT END SECTION |
| FTB - 1 | | | |
| SIZE (MM) | 200x300 | | |
| TOP BARS | 2 - 16mm Ø | 2 - 16mm Ø | 2 - 16mm Ø |
| BOTTOM BARS | 2 - 16mm Ø | 2 - 16mm Ø | 2 - 16mm Ø |
| WEB BARS | NONE | NONE | NONE |
| STIRRUPS | 12MM Ø: 1@50mm, 10@100mm, 10@150mm, REST @ 250mm O.C. | | |

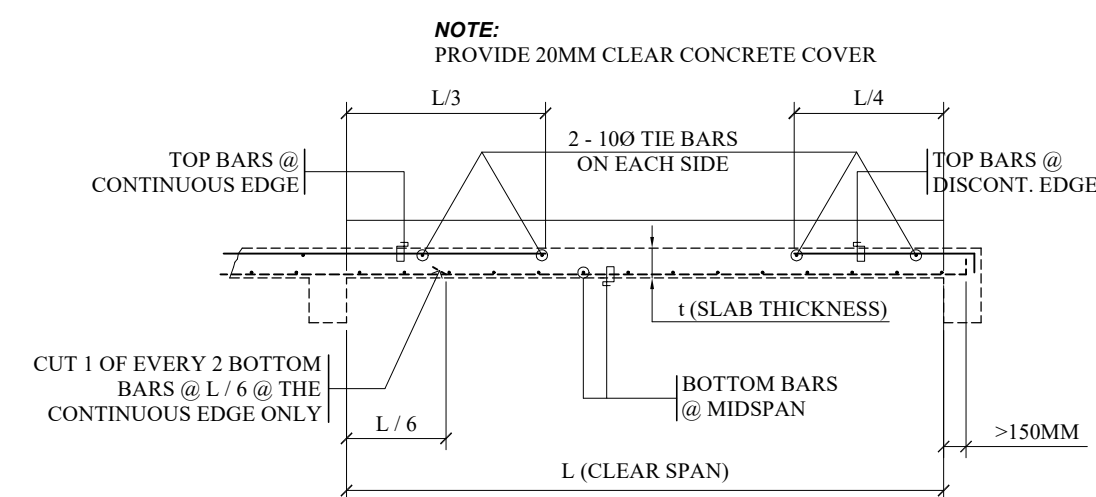
MATERIALS SPECIFICATION: $f'_c = 20.7 \text{ MPa}$ (3,000 psi)
 $f_y = 414 \text{ MPa}$ (60,000 psi)



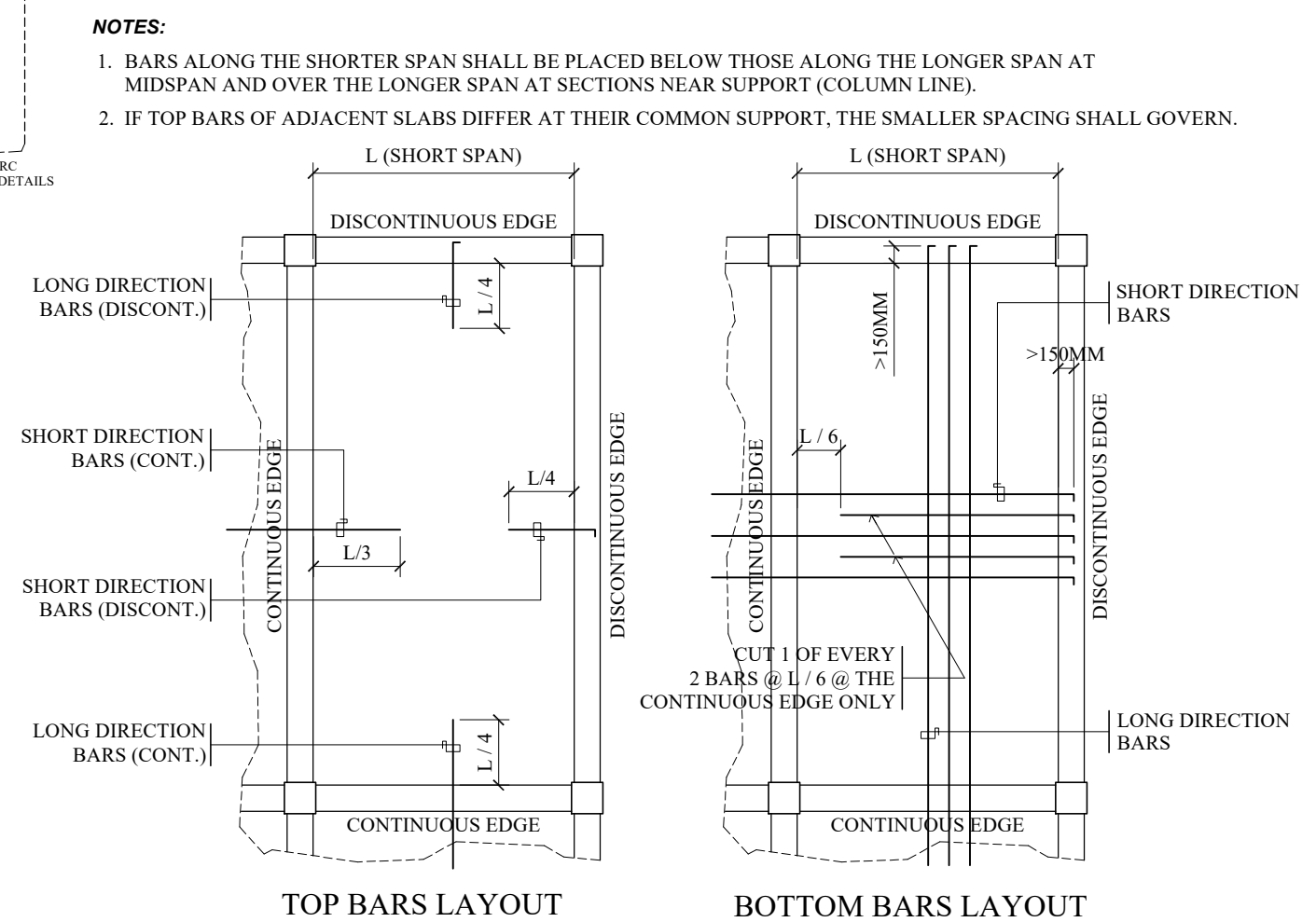
TYPICAL FOOTING DETAILS



PROPOSED MARTEL RESIDENCE
GIRDER & BEAM DETAIL
D
S-2
SCALE 1:30 M



TYPICAL SLAB SECTION

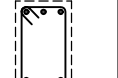
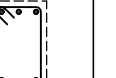

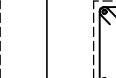

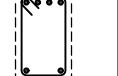




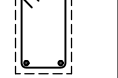
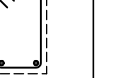
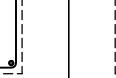
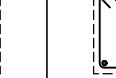

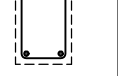
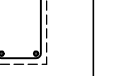
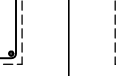
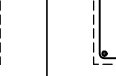








TYPICAL R.C. SLAB DETAIL

| | | | | | | | |
|-------------------------|-----------|------|---------------------------|----------|-----------------|-------------------------------|------------|
| FROM THE OFFICE OF: | PRC NO. : | SEAL | PROPOSED PLAN & LOCATION: | OWNER: | SHEET CONTENTS: | REVISION NO.: 00 | SHEET NO.: |
| LICENSED CIVIL ENGINEER | DATE: | | PROPOSED MARTEL RESIDENCE | | AS SHOWN | CAD BY: REXFORD GAPO | |
| | PTR NO.: | | | | | EMAIL: rexford_saga@yahoo.com | |
| ADDRESS: | DATE: | | LOCATION: | ADDRESS: | | CHECKED BY: | |
| | TIN NO. : | | | | | PROJECT NO.: | |



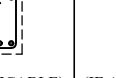

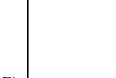


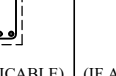

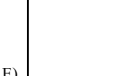


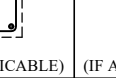
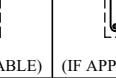
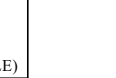
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PURPOSES ONLY
DATE: FEB, 2022

SCHEDULE OF RC GIRDERS

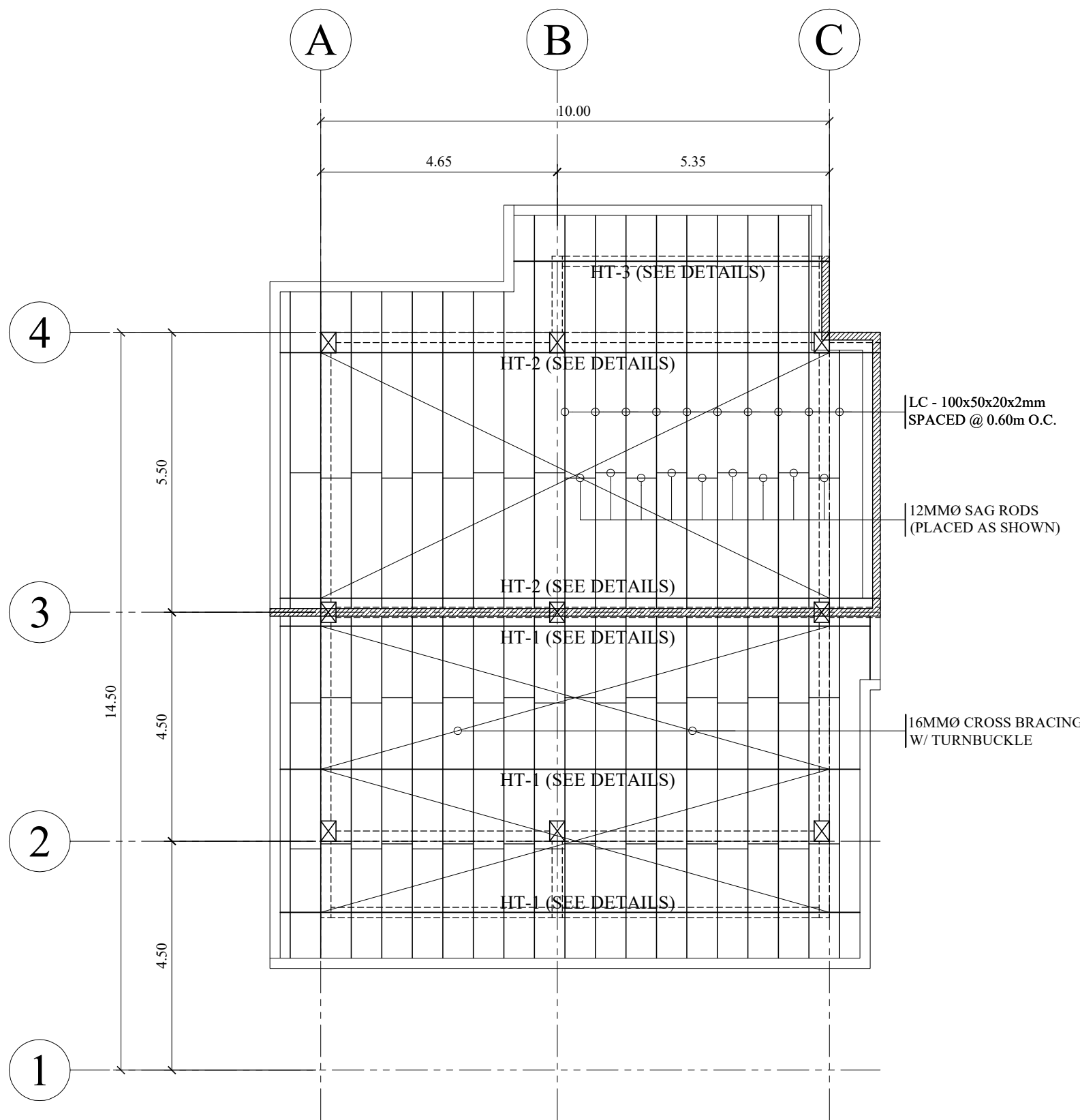
| MARK | BEAM SECTION | | | | |
|-------------|---|---|---|---|---|
| | LEFT END SECTION | | MIDSPAN SECTION | RIGHT END SECTION | |
| | CONT. END | DISCONT. END | | CONT. END | DISCONT. END |
| 2G - 1 |  |  |  |  |  |
| | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) |
| SIZE (MM) | 250 x 400 | | | | |
| TOP BARS | 3 - 16mm Ø | 3 - 16mm Ø | 2 - 16mm Ø | 3 - 16mm Ø | 3 - 16mm Ø |
| BOTTOM BARS | 2 - 16mm Ø | 2 - 16mm Ø | 3 - 16mm Ø | 2 - 16mm Ø | 2 - 16mm Ø |
| STIRRUPS | 9MM Ø: 1@50mm, 10@100mm, 5@150mm, REST @ 250mm O.C. TO C.L. | | | | |
| 2G - 2 |  |  |  |  |  |
| | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) |
| SIZE (MM) | 250 x 400 | | | | |
| TOP BARS | 4 - 16mm Ø | 4 - 16mm Ø | 2 - 16mm Ø | 4 - 16mm Ø | 4 - 16mm Ø |
| BOTTOM BARS | 2 - 16mm Ø | 2 - 16mm Ø | 4 - 16mm Ø | 2 - 16mm Ø | 2 - 16mm Ø |
| STIRRUPS | 9MM Ø: 1@50mm, 10@100mm, 5@150mm, REST @ 250mm O.C. TO C.L. | | | | |
| 2CG - 1 |  |  |  |  |  |
| | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) |
| SIZE (MM) | 250 x 400 | | | | |
| TOP BARS | 3 - 12mm Ø | 3 - 12mm Ø | 2 - 12mm Ø | 3 - 12mm Ø | 3 - 12mm Ø |
| BOTTOM BARS | 2 - 12mm Ø | 2 - 12mm Ø | 3 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø |
| STIRRUPS | 9MM Ø: 1@50mm, 10@100mm, 5@150mm, REST @ 250mm O.C. TO C.L. | | | | |
| 2CG - 2 |  |  |  |  |  |
| | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) |
| SIZE (MM) | 250 x 400 | | | | |
| TOP BARS | 3 - 12mm Ø | 3 - 12mm Ø | 2 - 12mm Ø | 3 - 12mm Ø | 3 - 12mm Ø |
| BOTTOM BARS | 2 - 12mm Ø | 2 - 12mm Ø | 3 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø |
| STIRRUPS | 9MM Ø: 1@50mm, 10@100mm, 5@150mm, REST @ 250mm O.C. TO C.L. | | | | |
| RG - 1 |  |  |  |  |  |
| | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) |
| SIZE (MM) | 200 x 300 | | | | |
| TOP BARS | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø |
| BOTTOM BARS | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø |
| STIRRUPS | 9MM Ø: 1@50mm, 10@100mm, 5@150mm, REST @ 250mm O.C. TO C.L. | | | | |

MATERIALS SPECIFICATION: $f'_c = 21$ MPa (3,000 psi)
 $f_y = 414$ MPa (60,000 psi)

SCHEDULE OF RC BEAMS

| MARK | BEAM SECTION | | | | |
|-------------|---|---|---|---|---|
| | LEFT END SECTION | | MIDSPAN SECTION | RIGHT END SECTION | |
| | CONT. END | DISCONT. END | | CONT. END | DISCONT. END |
| 2B - 1 |  |  |  |  |  |
| | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) |
| SIZE (MM) | 200 x 300 | | | | |
| TOP BARS | 3 - 16mm Ø | 3 - 16mm Ø | 2 - 16mm Ø | 3 - 16mm Ø | 3 - 16mm Ø |
| BOTTOM BARS | 2 - 16mm Ø | 2 - 16mm Ø | 3 - 16mm Ø | 2 - 16mm Ø | 2 - 16mm Ø |
| STIRRUPS | 9MM Ø: 1@50mm, 10@100mm, 5@150mm, REST @ 250mm O.C. TO C.L. | | | | |
| 2CB - 1 |  |  |  |  |  |
| | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) |
| SIZE (MM) | 200 x 300 | | | | |
| TOP BARS | 3 - 16mm Ø | 3 - 16mm Ø | 2 - 16mm Ø | 3 - 16mm Ø | 3 - 16mm Ø |
| BOTTOM BARS | 2 - 16mm Ø | 2 - 16mm Ø | 3 - 16mm Ø | 2 - 16mm Ø | 2 - 16mm Ø |
| STIRRUPS | 9MM Ø: 1@50mm, 10@100mm, 5@150mm, REST @ 250mm O.C. TO C.L. | | | | |
| RB - 1 |  |  |  |  |  |
| | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) | (IF APPLICABLE) |
| SIZE (MM) | 200 x 300 | | | | |
| TOP BARS | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø |
| BOTTOM BARS | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø | 2 - 12mm Ø |
| STIRRUPS | 9MM Ø: 1@50mm, 10@100mm, 5@150mm, REST @ 250mm O.C. TO C.L. | | | | |

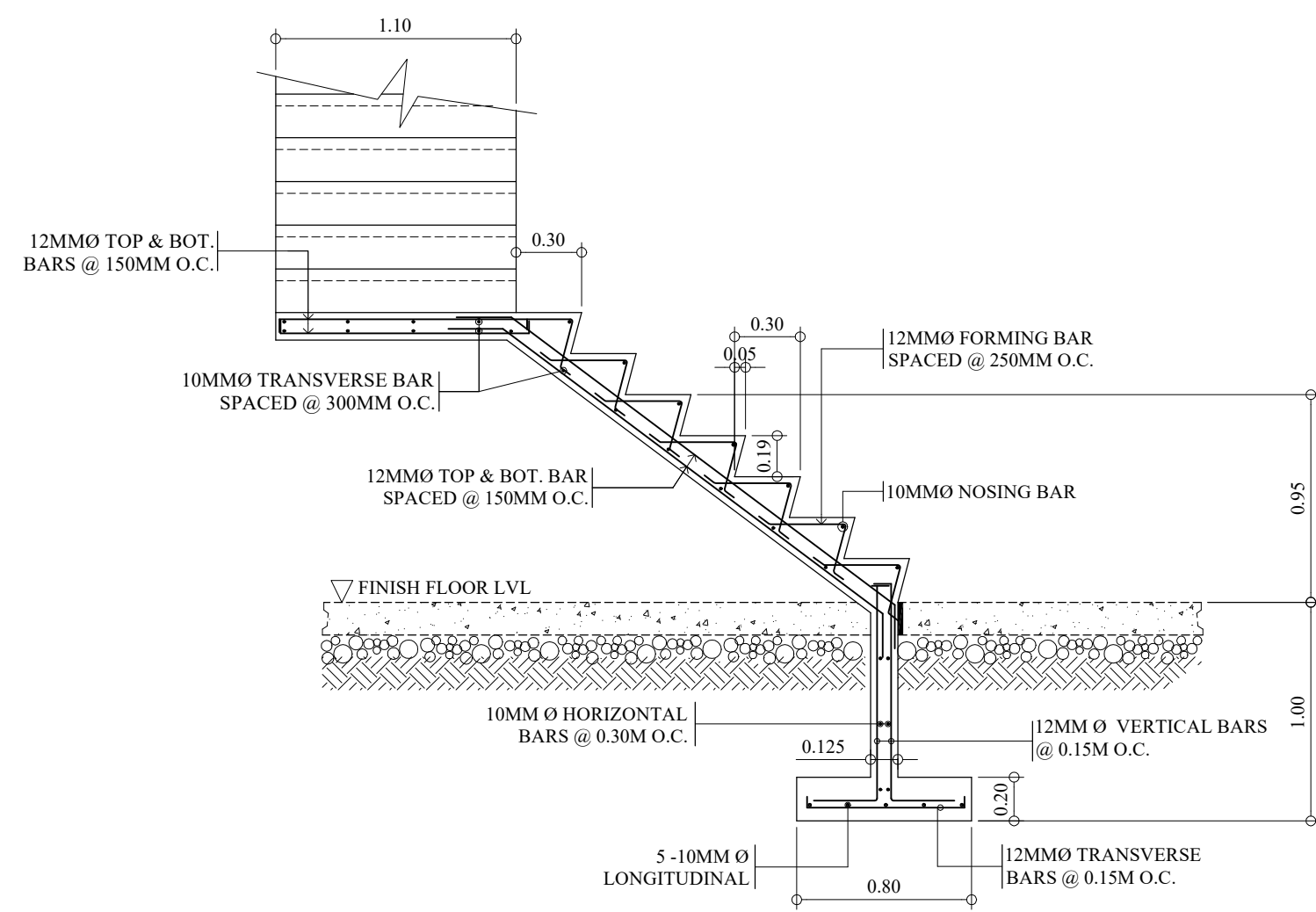
MATERIALS SPECIFICATION: $f'_c = 21$ MPa (3,000 psi)
 $f_y = 414$ MPa (60,000 psi)



PROPOSED MARTEL RESIDENCE
ROOF FRAMING PLAN

A
S- 3

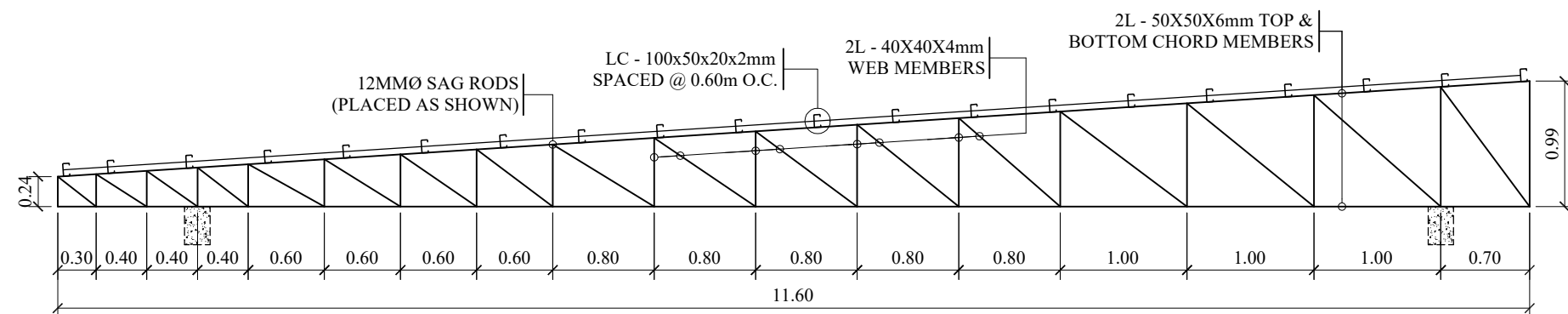
SCALE 1:100 M



PROPOSED MARTEL RESIDENCE
STAIR SECTION DETAIL

E
S- 3

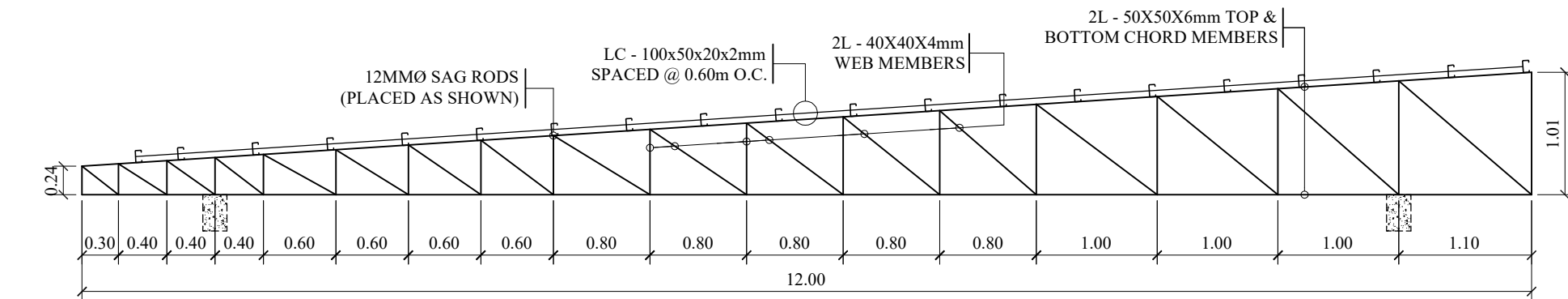
SCALE 1:30 M



PROPOSED MARTEL RESIDENCE
HALF TRUSS HT-1 DETAIL

B
S- 3

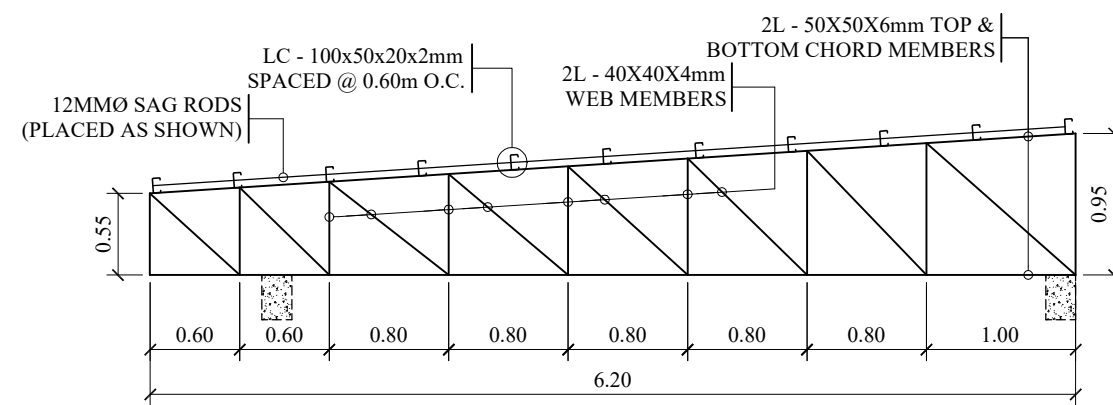
SCALE 1:50 M



PROPOSED MARTEL RESIDENCE
HALF TRUSS HT-2 DETAIL

C
S- 3

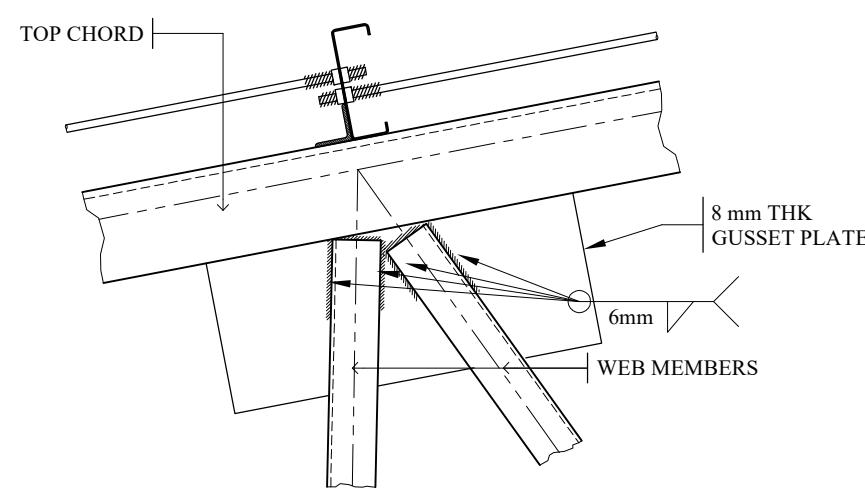
SCALE 1:50 M



PROPOSED MARTEL RESIDENCE
HALF TRUSS HT-3 DETAIL

D
S- 3

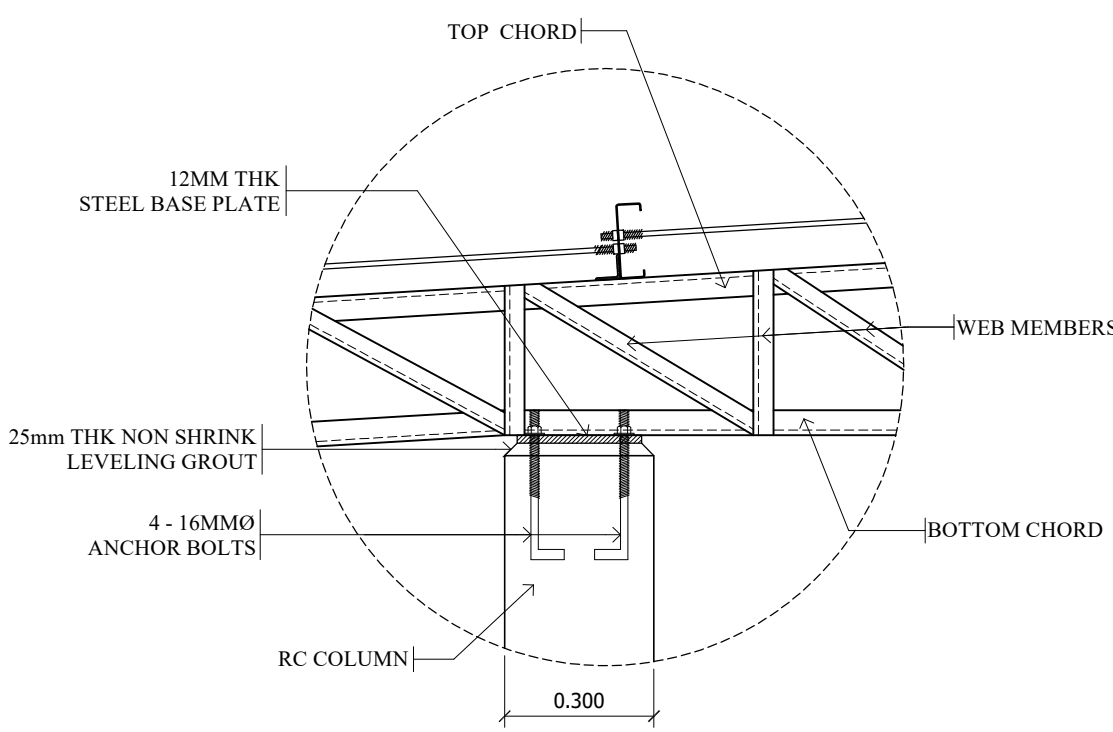
SCALE 1:50 M



TYPICAL WEB MEMBERS TO TOP CHORD
CONNECTION DETAILS

G
S- 3

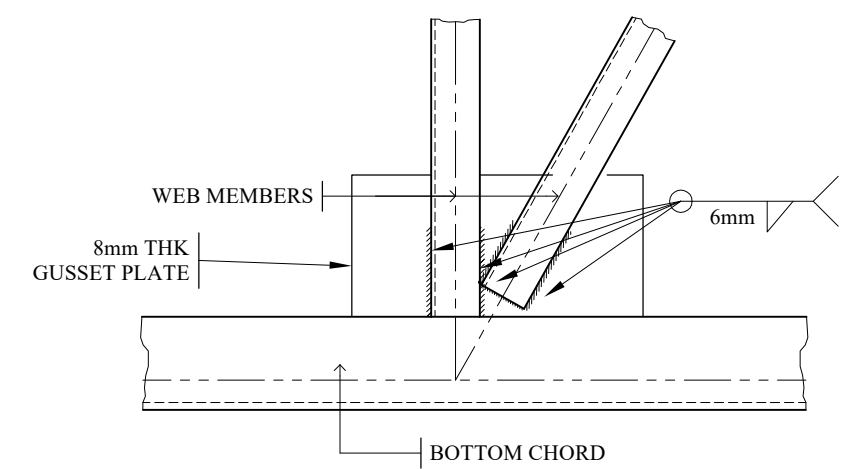
SCALE 1:10 M



RC COLUMN TO BOTTOM CHORD
CONNECTION DETAIL

F
S- 3

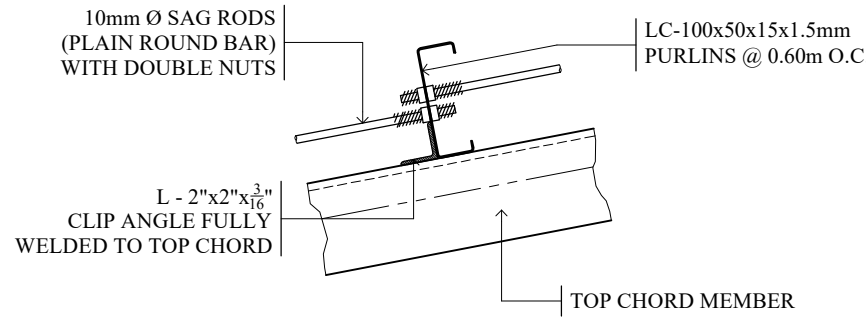
SCALE 1:15 M



TYPICAL WEB MEMBERS TO BOTTOM CHORD
CONNECTION DETAILS

H
S- 3

SCALE 1:10 M



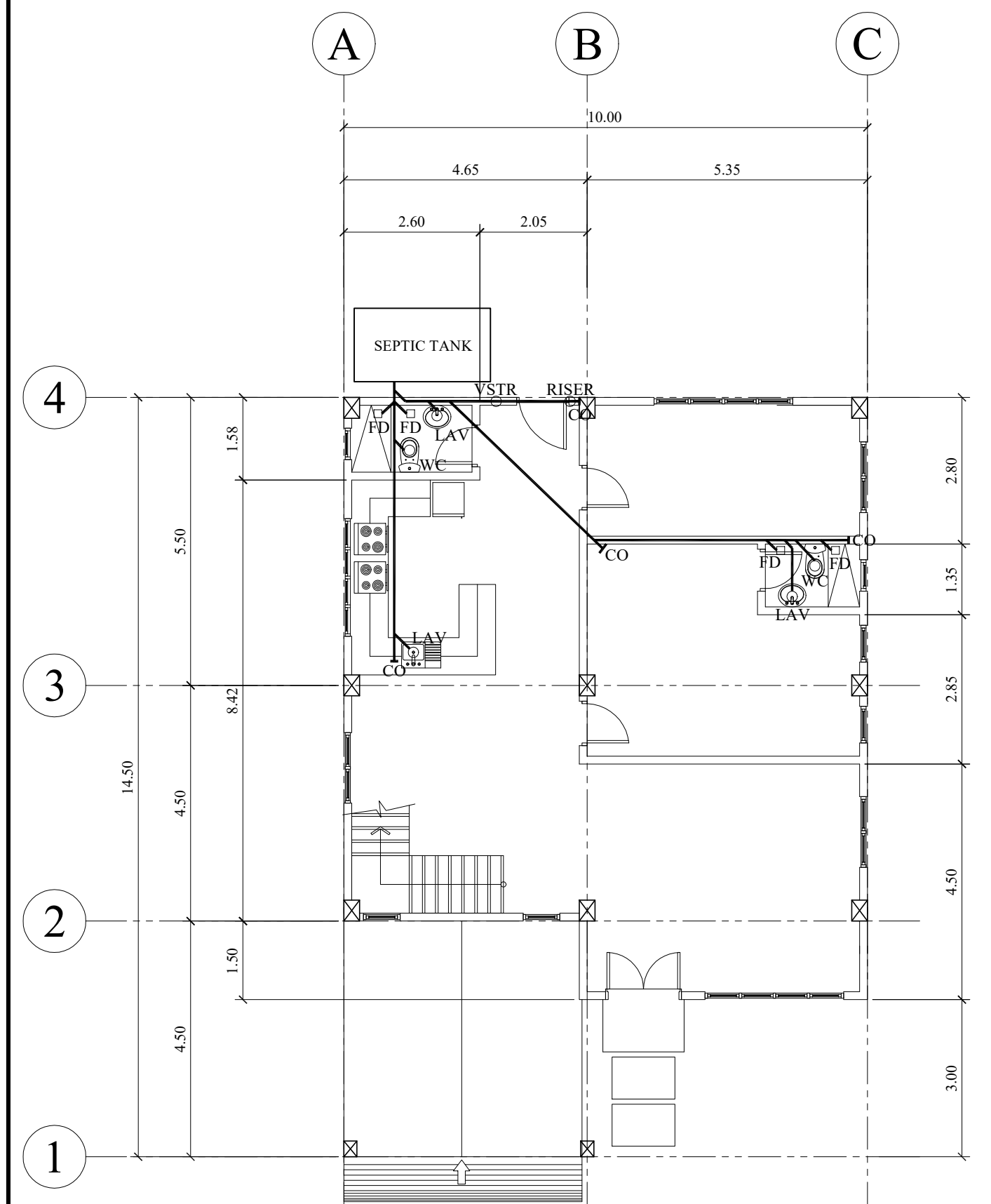
TYPICAL PURLIN
CONNECTION DETAILS

I
S- 3

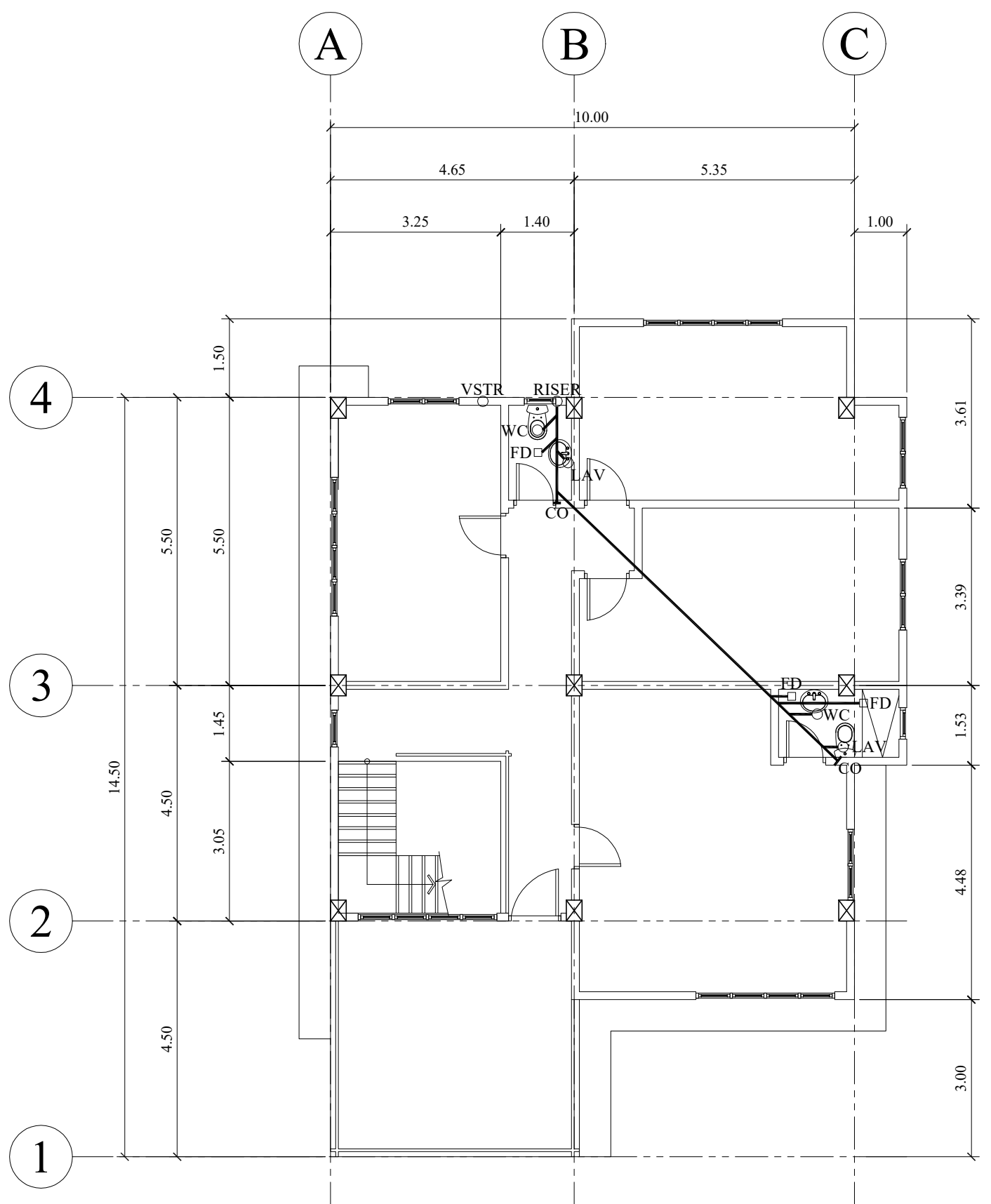
SCALE 1:10 M

| | | | | | | | |
|-------------------------|-----------|------|---------------------------|----------|-----------------|-------------------------------|------------|
| FROM THE OFFICE OF: | PRC NO. : | SEAL | PROPOSED PLAN & LOCATION: | OWNER: | SHEET CONTENTS: | REVISION NO.: 00 | SHEET NO.: |
| LICENSED CIVIL ENGINEER | DATE: | | PROPOSED MARTEL RESIDENCE | | AS SHOWN | CAD BY: REXFORD GAPO | S 3 |
| | PTR NO.: | | | | | EMAIL: rexford_saga@yahoo.com | |
| ADDRESS: | DATE: | | LOCATION: | ADDRESS: | | CHECKED BY: | |
| | TIN NO. : | | | | | PROJECT NO.: | |

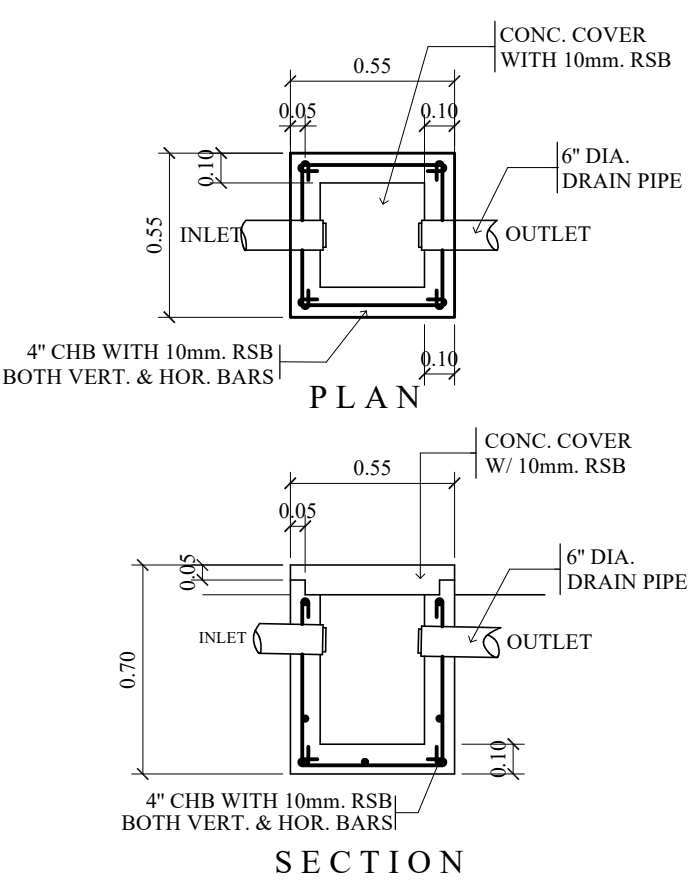
ISSUED FOR ACADEMICS
PURPOSES ONLY
DATE: FEB, 2022



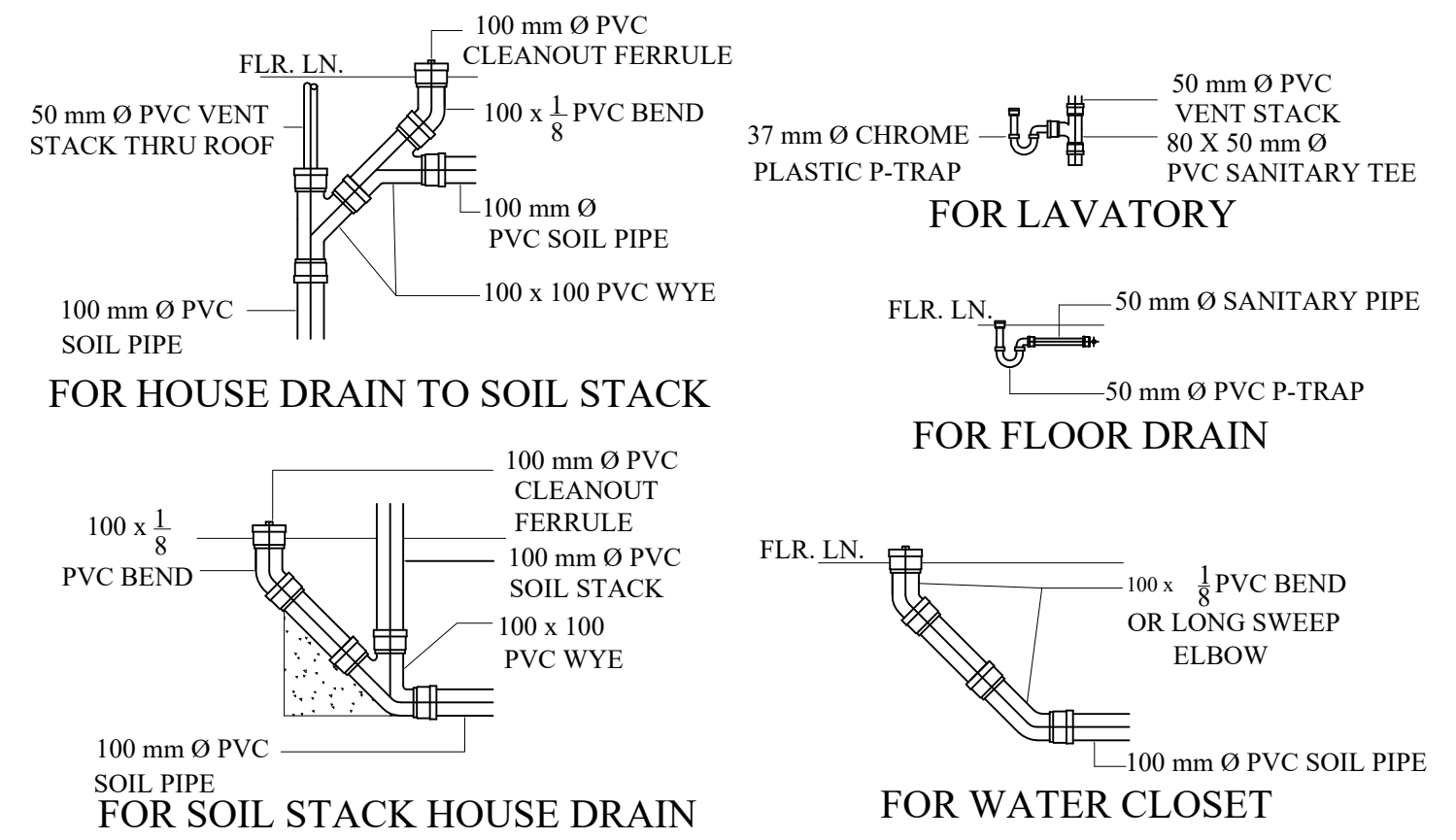
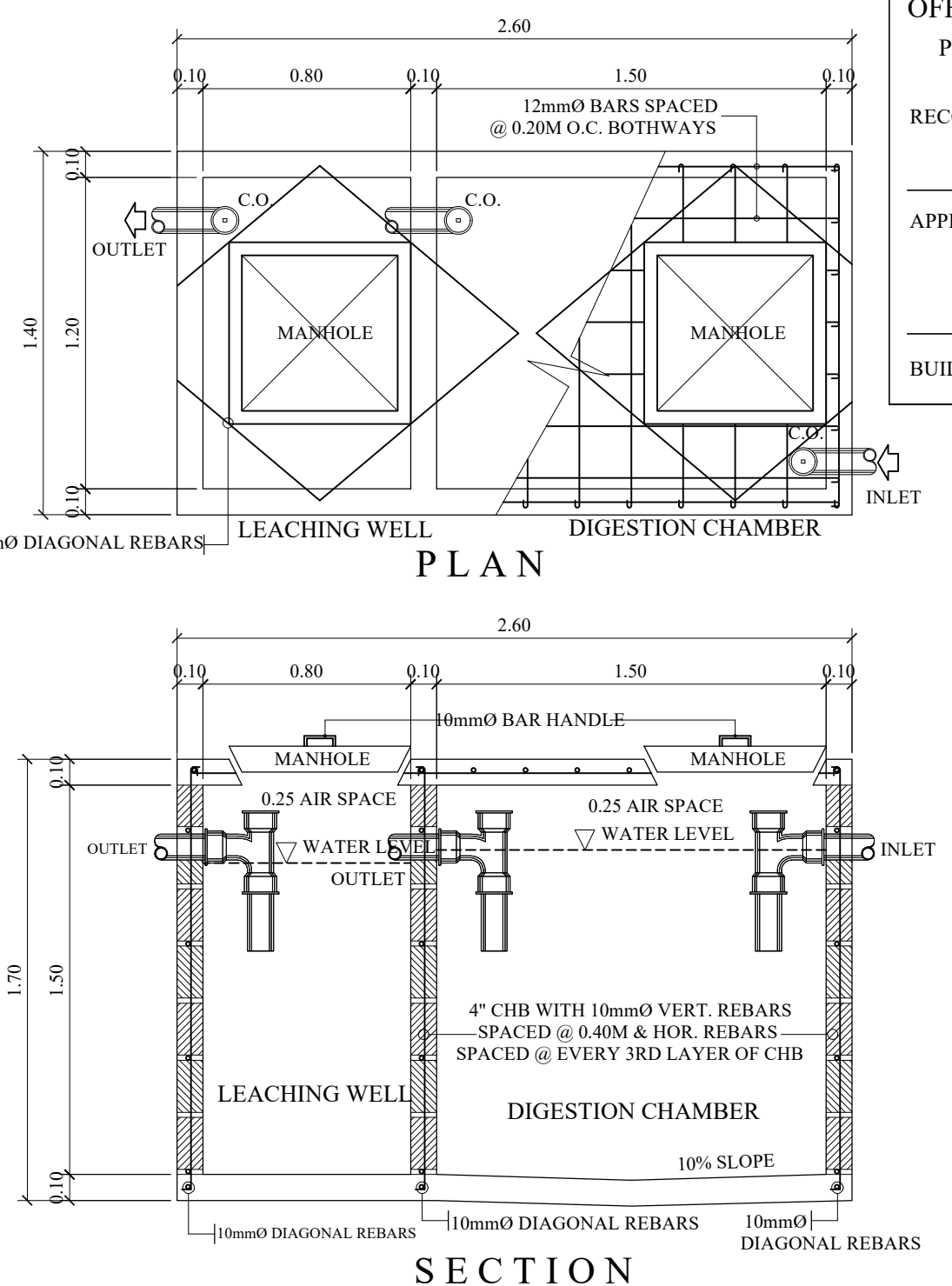
WASTE PIPE LINE
GF PLUMBING LAYOUT PLAN
A
P- 1
SCALE 1:100 M



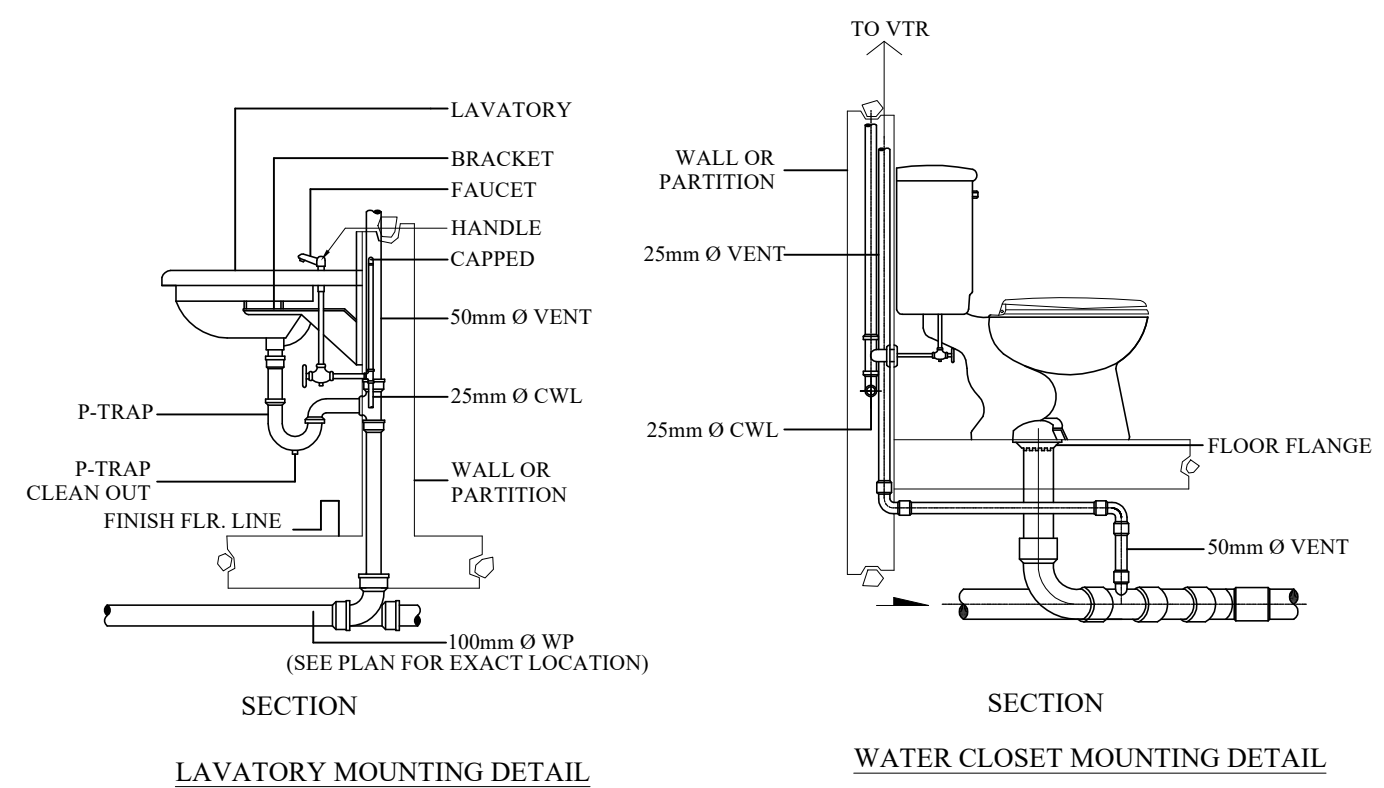
WASTE PIPE LINE
2F PLUMBING LAYOUT PLAN
B
P- 1
SCALE 1:100 M



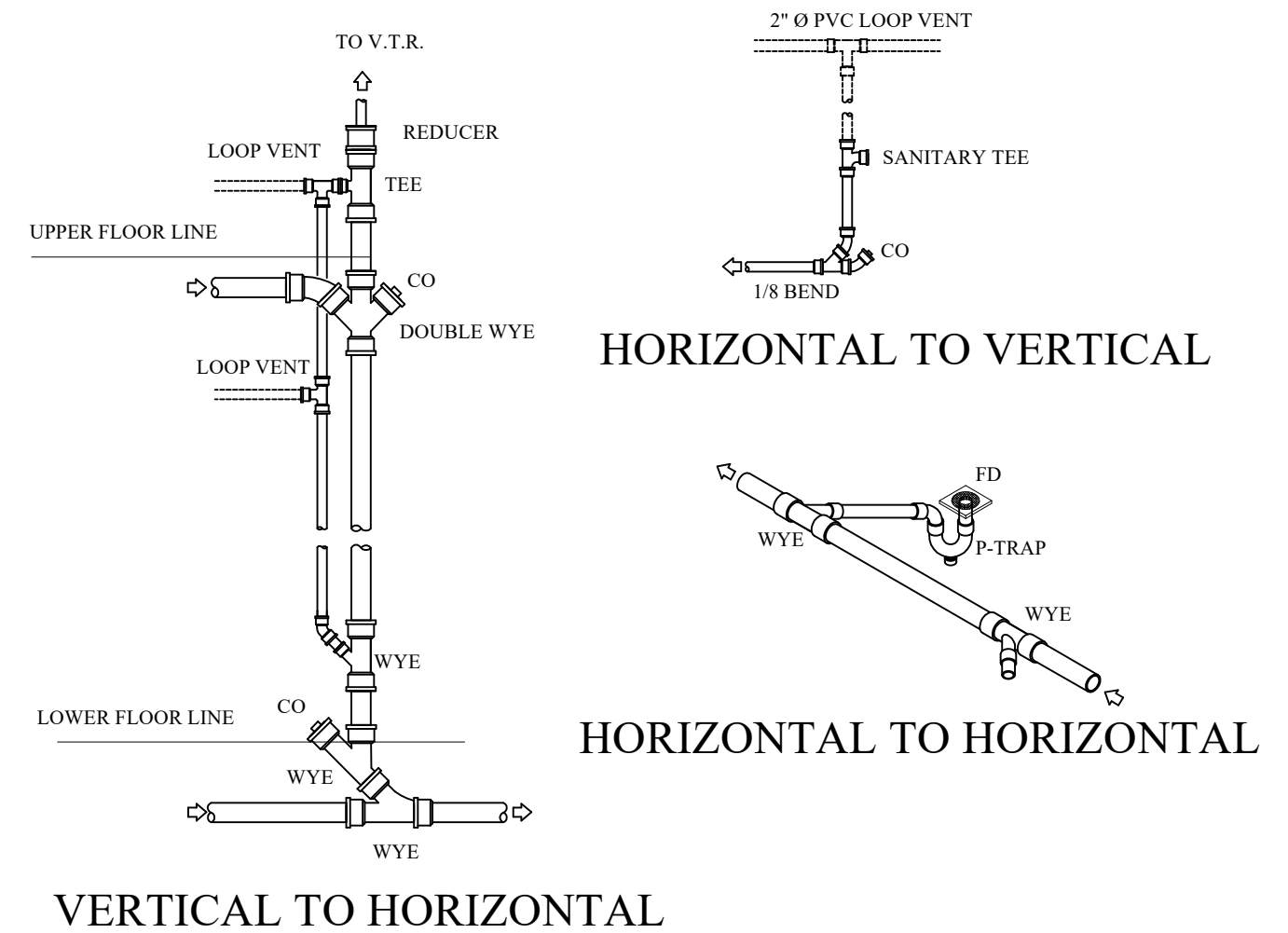
PROPOSED MARTEL RESIDENCE
SEPTIC TANK & CATCH BASIN DETAIL
C
P- 1
SCALE 1:25 M



PROPOSED MARTEL RESIDENCE
TYP. PIPE JOINT DETAIL
D
P- 1
SCALE NO TO

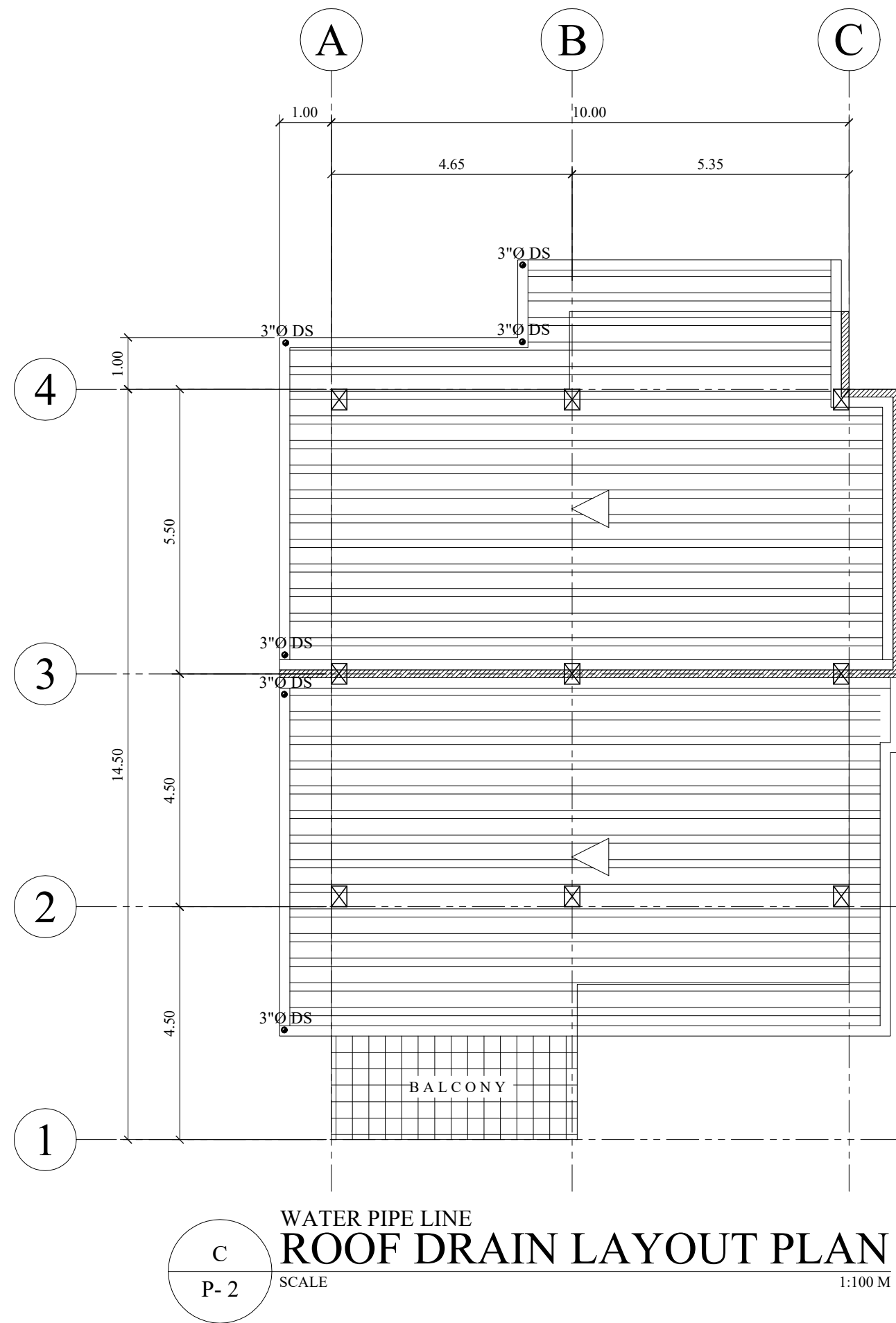
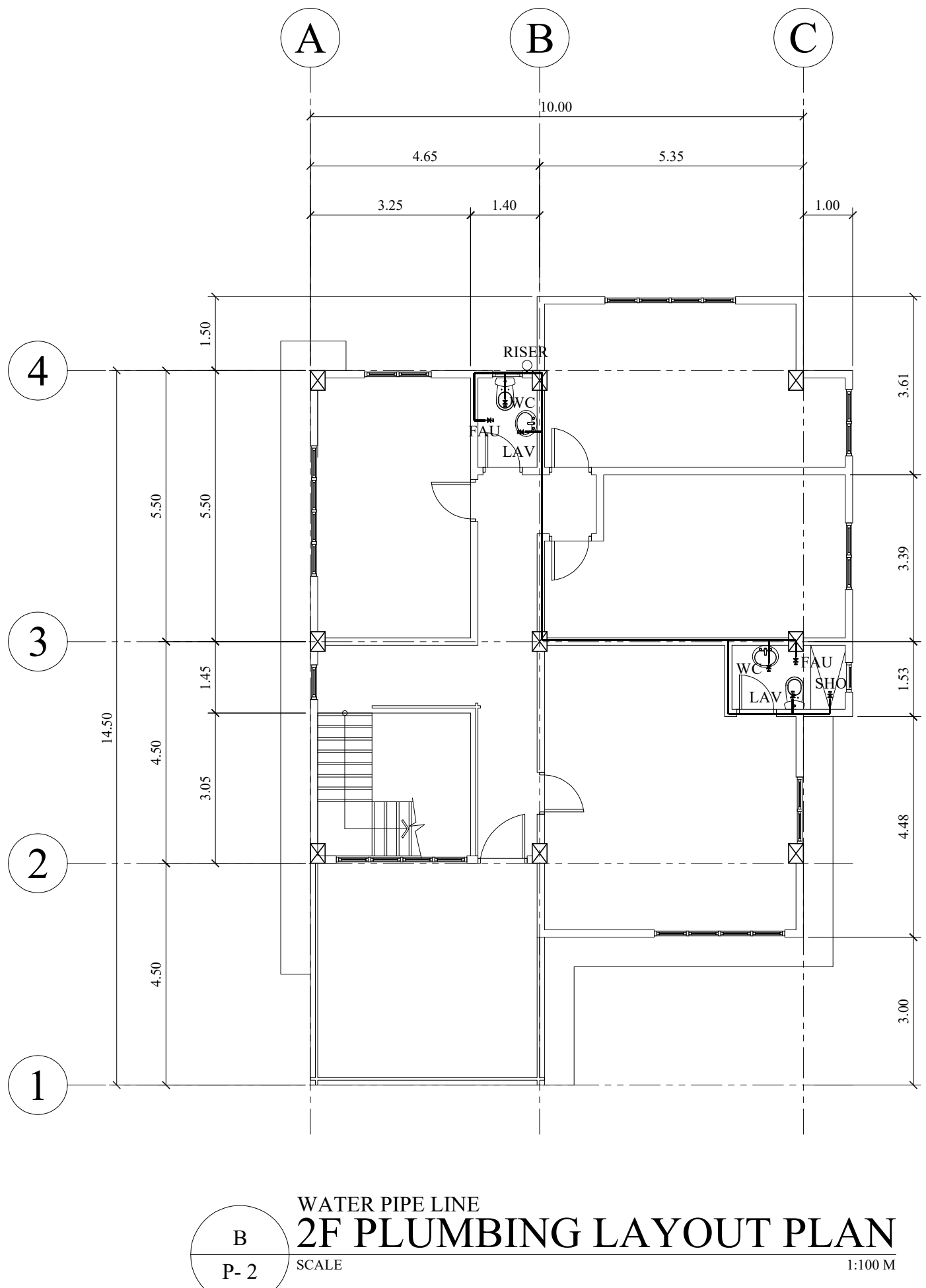
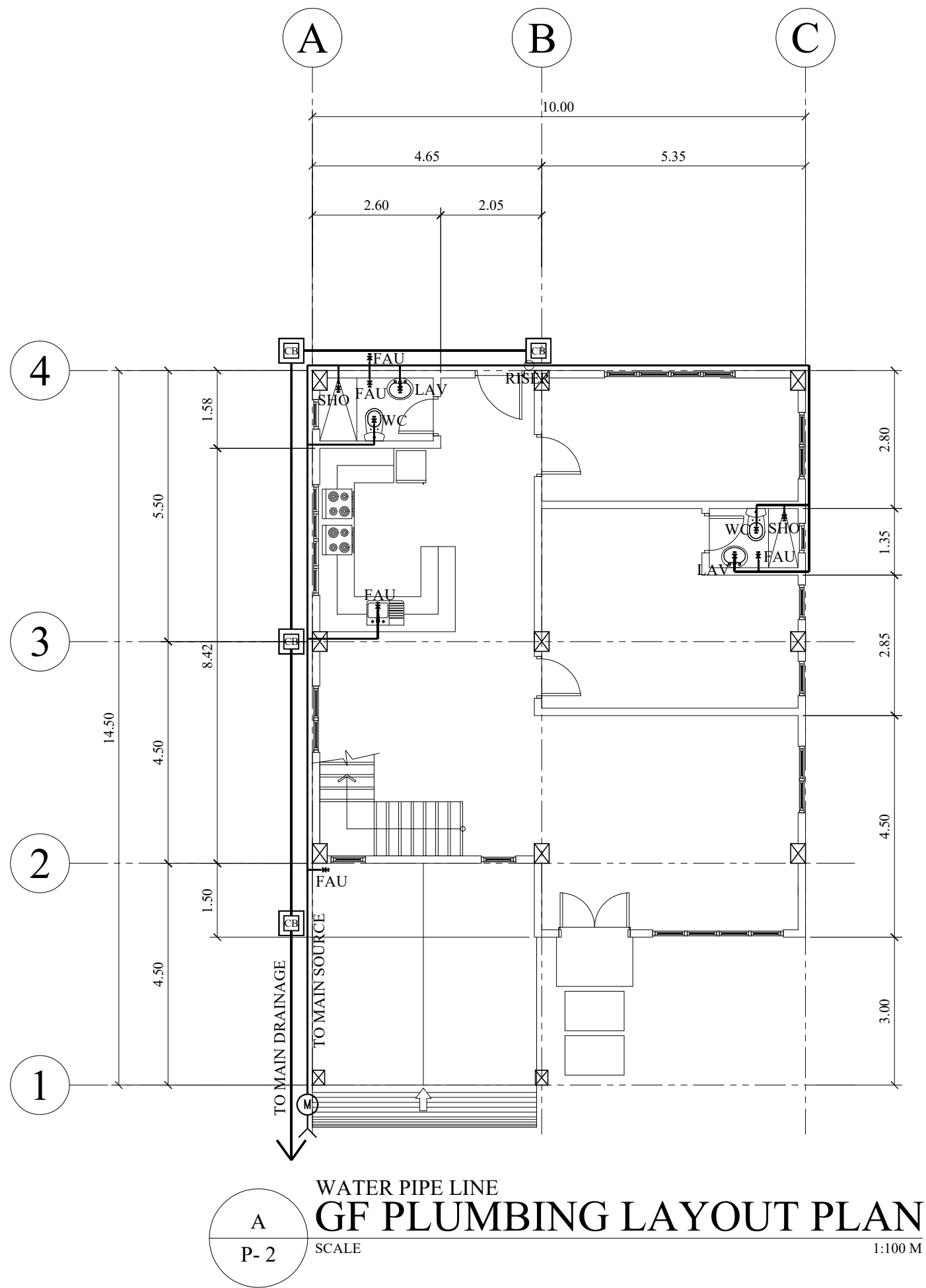


TYPICAL
MOUNTING DETAIL
E
P- 1
SCALE NOT TO



PROPOSED MARTEL RESIDENCE
DETAIL OF JOINT
F
P- 1
SCALE NO TO

| | | | | | | | |
|---------------------|-----------|------|---------------------------|----------|-----------------|-------------------------------|--|
| FROM THE OFFICE OF: | PRC NO. : | SEAL | PROPOSED PLAN & LOCATION: | OWNER: | SHEET CONTENTS: | REVISION NO.: | SHEET NO.: |
| MASTER PLUMBER | DATE: | | PROPOSED MARTEL RESIDENCE | | AS SHOWN | CAD BY: REXFORD GAPO | <div>ISSUED FOR ACADEMICS PURPOSES ONLY DATE: FEB, 2022</div> <div>P 1</div> |
| | PTR NO.: | | | | | EMAIL: rexford_saga@yahoo.com | |
| | DATE: | | | | | CHECKED BY: | |
| ADDRESS: | TIN NO. : | | LOCATION: | ADDRESS: | | PROJECT NO.: | |



LEGEND & SYMBOLS :

| | |
|----------------------------|--------|
| SANITARY WASTE LINE | |
| VENT PIPE & RISER | VP |
| COLD WATER LINE/SUPPLY | CWL/S |
| SUPPLY FROM LOCAL DISTRICT | |
| COLD WATER RISER | CWR |
| CATCH BASIN | CB |
| FLOOR CLEANOUT/CLEANOUT | FCO/CO |
| WATER CLOSET | WC |
| LAVATORY | LAV |
| FLOOR DRAIN | FD |
| GATE VALVE | GV |
| CHECK VALVE | CV |
| VENT STACK THROUGH ROOF | VSTR |
| FAUCET | FAU |
| DOWNSPOUT | DS |
| SINK | KS |

ISSUED FOR ACADEMICS
PURPOSES ONLY
DATE: FEB, 2022

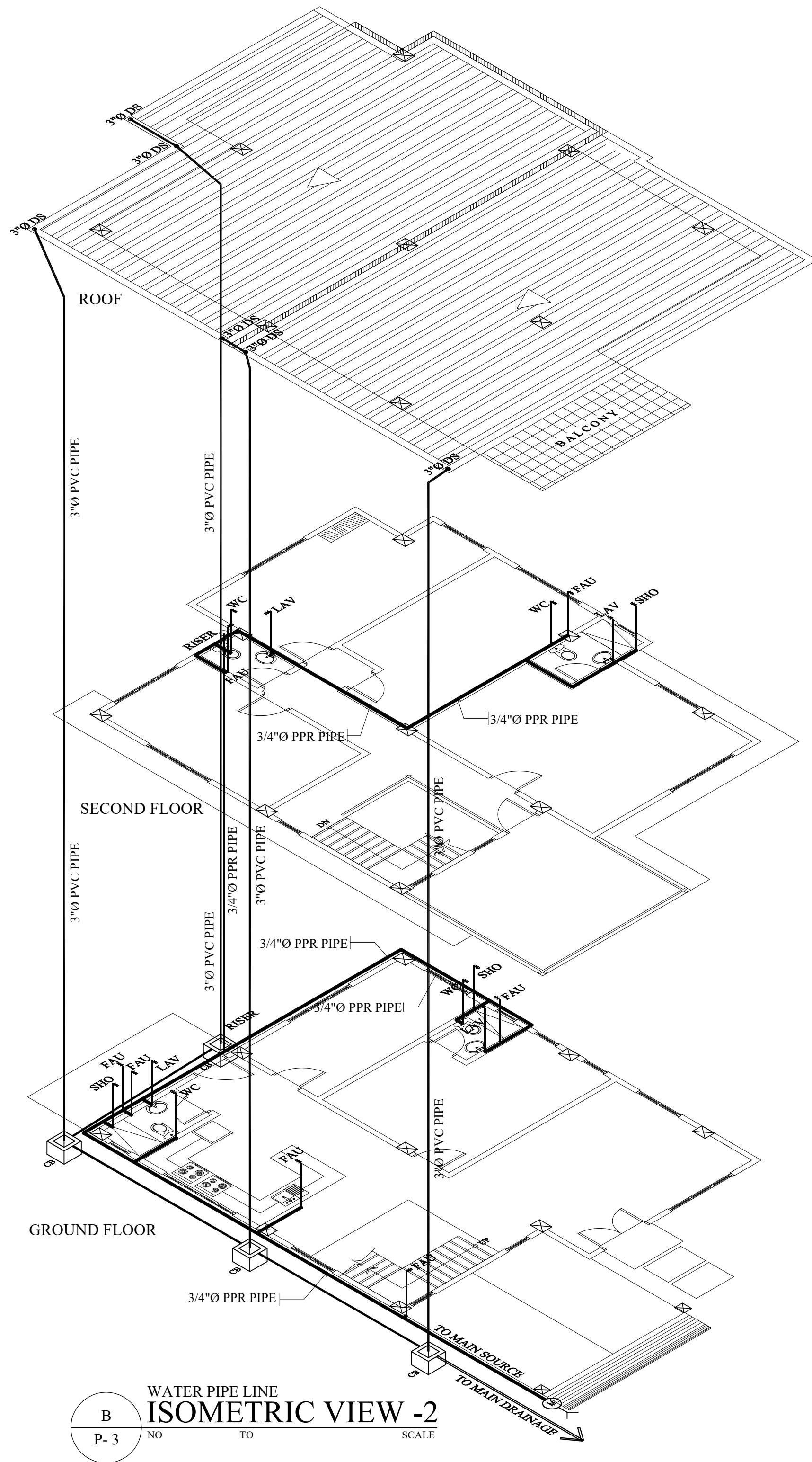
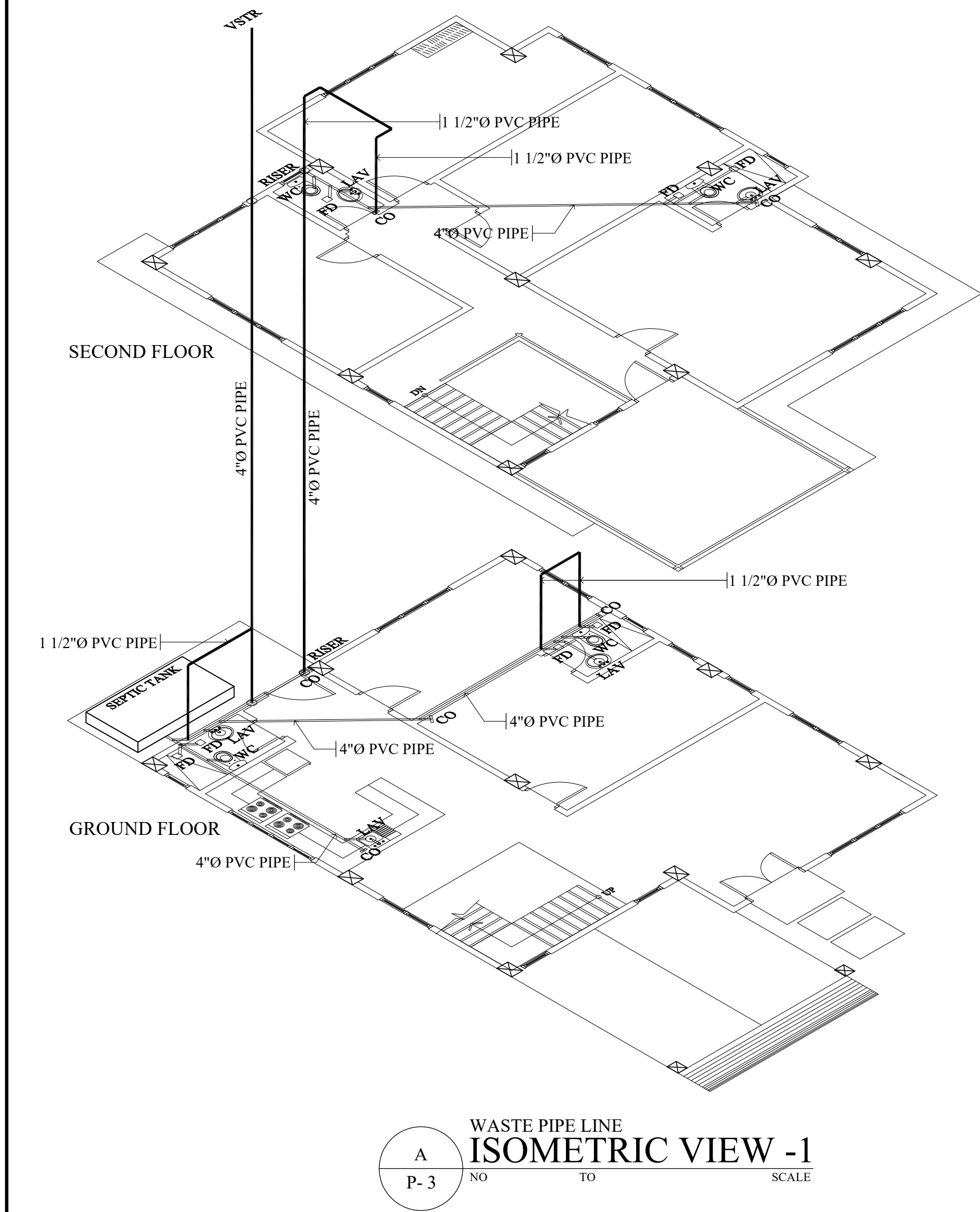
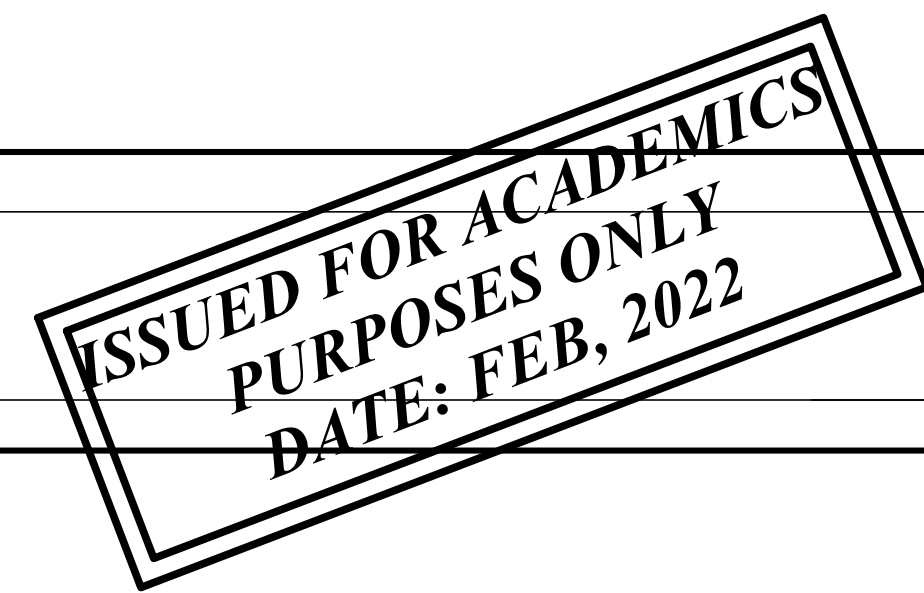
GENERAL NOTES:

- ALL HORIZONTAL PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AND AT A UNIFORM GRADE OF NOT LESS THAN TWO (2%) PERCENT 20MM RISE PER METER LENGTH, AND SHALL BE SUPPORTED OR ANCHORED AT INTERVALS NOT EXCEEDING 3.00M (10 FT). ALL STACKS SHALL BE PROPERLY SUPPORTED AT THEIR BASES AND ALL PIPES SHALL BE RIGIDLY SECURED. TWO (2 INCHES) RISE PER EVERY ONE HUNDRED (100 INCHES) LENGTH.
- ALL CHANGES IN DIRECTION SHALL BE MADE BY THE APPROPRIATE USE OF FORTY-FIVE (45°) DEGREE WYES, HALF WYES, LONG SWEEP QUARTER BENDS, EXCEPT THAT SINGLE SANITARY TEES MAY BE USED ON VERTICAL STACKS, AND SHORT QUARTER BENDS MAYBE USED IN SOIL AND WASTE LINES WHERE THE CHANGE IN THE DIRECTION OF FLOW IS FROM THE HORIZONTAL TO THE VERTICAL. TEES AND CROSSES MAYBE USED IN VENT PIPES.
- NO DOUBLE HUB, DOUBLES T BRANCH SHALL BE USED ON HORIZONTAL SOIL OR WASTE LINE, THE DRILLING AND TAPPING OF DRAINS, SOIL WASTE, OR VENT PIPES AND THE USE OF SADDLE HUBS AND BENDS ARE PROHIBITED.
- DEAD ENDS ARE AVOIDED ON ALL DRAINAGE SYSTEM INSTALLATION.
- USE 4" Ø AIR ADMITTANCE VALVE (AAV) FOR MAXI-VENT AND 2" Ø AIR ADMITTANCE VALVE (AAV) FOR MNI-VENT, EACH OF WHICH HAS THEIR OWN CONNECTORS.
- EACH FIXTURES SHALL BE SEPARATELY TRAPPED BY A WATER-SEAL TRAP PLACED AS NEAR TO THE FIXTURE AS POSSIBLE EXCEPT THAT A SET OF SIMILAR FIXTURES CONSISTING OF NOT MORE THAT THREE (3) WASH BASINS, OR A SET OF THREE (3) SINKS WAYCONNECT WITH A SINGLE ONE AND ONE HALF (1-1/2) INCHES TRAP. IN NO CASE SHALL THE WASTE FROM A BATH TUB OR OTHER FIXTURE DISCHARGE INTO A WATER CLOSET TRAP. NO FIXTURE SHALL BE DOUBLE TRAPPED.
- EACH TRAP, EXCEPT THOSE IN COMBINATION WITH FIXTURES IN WHICH THE TRAP SEAL IS PLAINLY VISIBLE AND INACCESSIBLE, SHALL BE PROVIDED WITH AN ACCESSIBLE BRASS TAP SCREW OF AMPLE SIZE.
- A CLEAN OUT EASILY ACCESSIBLE SHALL BE PROVIDED AT THE UPPER END OF EVERY HORIZONTAL WASTE OR SOIL PIPE. ALSO AT EVERY CHANGE OF HORIZONTAL DIRECTION, UNLESS SAID CHANGE OF DIRECTION IS MADE AT AN ANGLE OF NOT MORE THAN TWENTY TWO AND A HALF (22-1/2°) DEGREES AND IS EASILY REACHED CONVENIENTLY WITH SEWER ROD WIRE.

CERTIFICATION :

THIS IS TO CERTIFY THAT THERE IS NO CARTISIAN WELL WITHIN THE RADIUS OF 25.00 METERS FROM THE PROPOSED SEPTIC TANK LOCATION.

LIC. MASTER PLUMBER



| | | | | | | | | |
|---------------------|-----------|-----------|---------------------------|--------------|--|-------------------------------|----------------------|---------------|
| FROM THE OFFICE OF: | PRC NO. : | SEAL | PROPOSED PLAN & LOCATION: | OWNER: | <div>ISSUED FOR ACADEMIC PURPOSES ONLY DATE: FEB, 2022</div> | SHEET CONTENTS: | REVISION NO.: | SHEET NO.: |
| MASTER PLUMBER | DATE: | | PROPOSED MARTEL RESIDENCE | | | AS SHOWN | CAD BY: REXFORD GAPO | <div>P3</div> |
| | PTR NO.: | | | | | EMAIL: rexford_saga@yahoo.com | | |
| | DATE: | | | | | CHECKED BY: | | |
| ADDRESS: | TIN NO. : | LOCATION: | ADDRESS: | PROJECT NO.: | | | | |