

FRONT ELEVATION
SCALE - 1/100



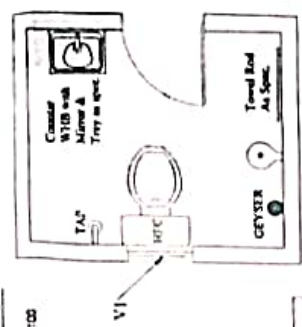
LEFT ELEVATION
SCALE - 1/100



REAR ELEVATION
SCALE - 1/100



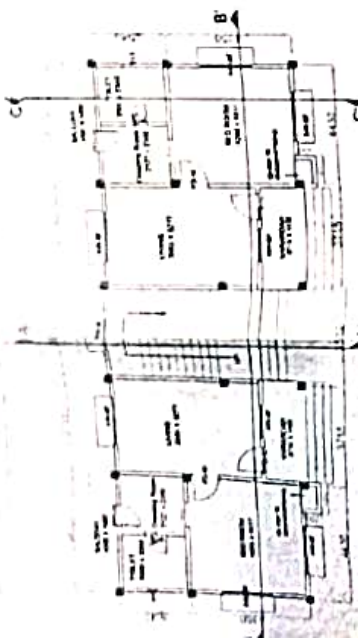
RIGHT ELEVATION
SCALE - 1/100



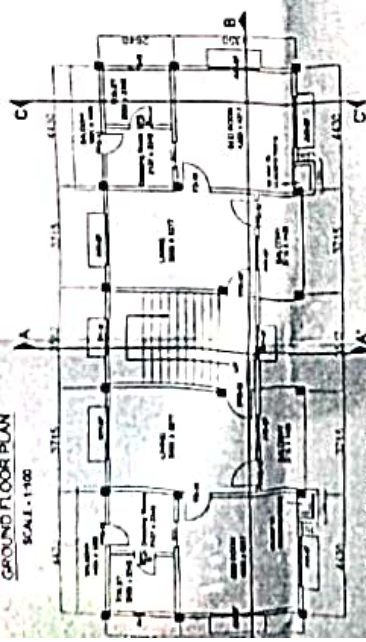
TOILET DETAILS
SCALE - 1/50

DRG NO: CWE/LKG/ST/
336/2023

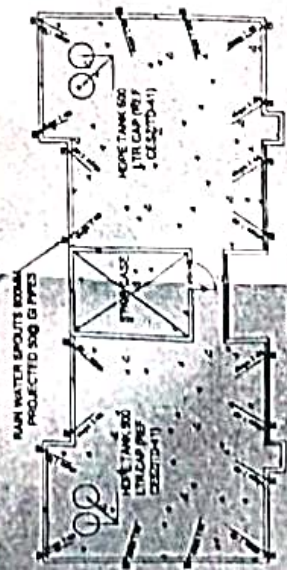
SHT NO: 1 R/22



GROUND FLOOR PLAN
SCALE - 1/100



FIRST FLOOR PLAN
SCALE - 1/100



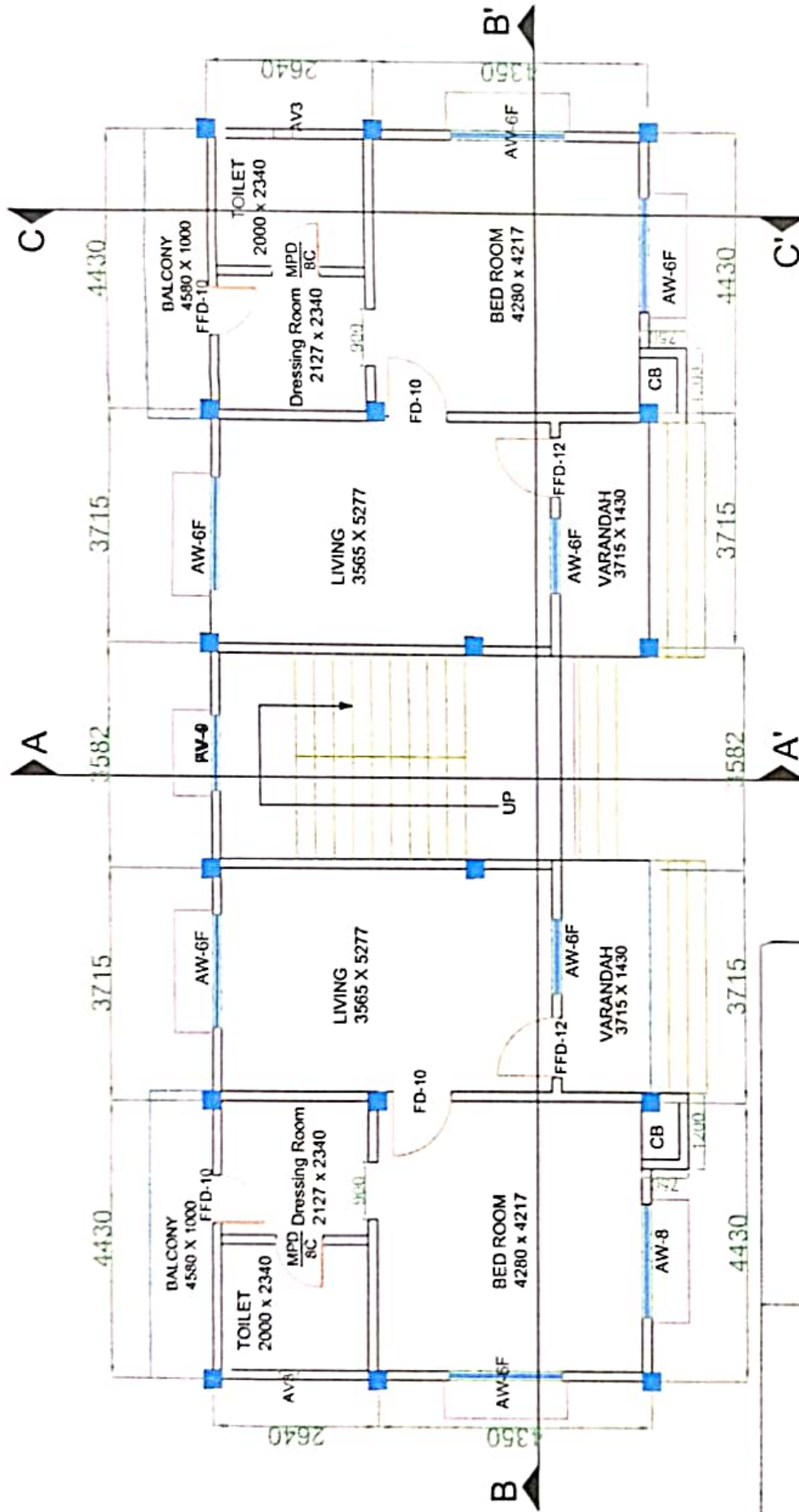
ROOF PLAN
SCALE - 1/50



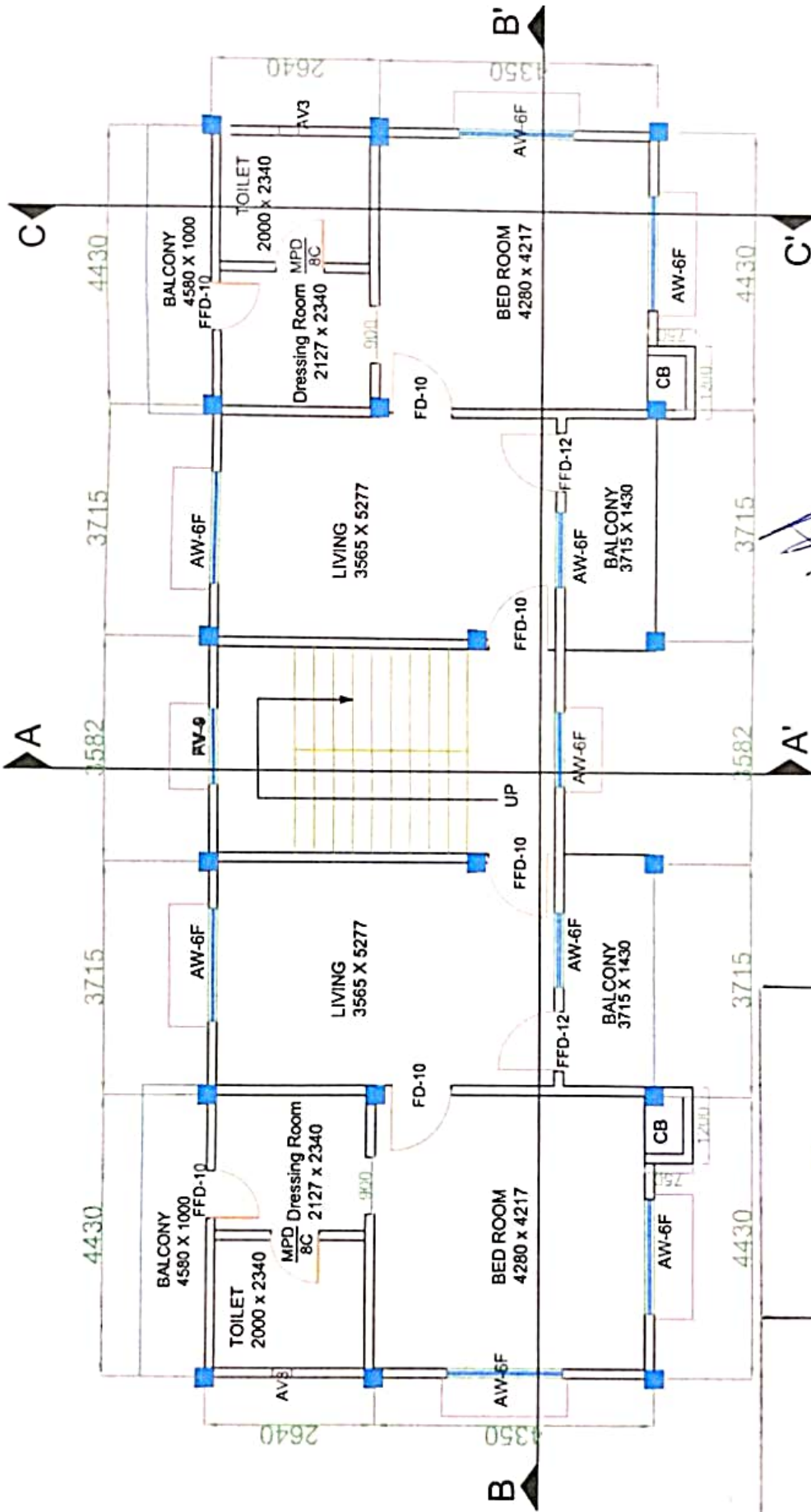
UTILITY PLAN
SCALE - 1/100

| Schedule of Doors & Windows | | | | | | | | | |
|-----------------------------|---------------|-------------|-----|----------|----------|---------|---------------|-------------|-----|
| Sl. No. | Door / Window | Size (mm) | Qty | Material | Remarks | Sl. No. | Door / Window | Size (mm) | Qty |
| 1 | Door | 1000 x 2100 | 02 | UPVC | Interior | 7 | Window | 1500 x 1500 | 02 |
| 2 | Door | 1000 x 2100 | 02 | UPVC | Interior | 8 | Window | 1500 x 1500 | 02 |
| 3 | Door | 1000 x 2100 | 02 | UPVC | Interior | 9 | Window | 1500 x 1500 | 02 |
| 4 | Door | 1000 x 2100 | 02 | UPVC | Interior | 10 | Window | 1500 x 1500 | 02 |
| 5 | Door | 1000 x 2100 | 02 | UPVC | Interior | 11 | Window | 1500 x 1500 | 02 |
| 6 | Door | 1000 x 2100 | 02 | UPVC | Interior | 12 | Window | 1500 x 1500 | 02 |

| | | |
|---|--|------------------------------|
| Client : MILITARY ENGINEERING SERVICE Lemabong, Manipur | | Date : 01-06-2023 |
| Project Title : Soil Investigation & Consultancy Charges For Provision of Single Officers Accommodation at Lemabong Military Station, Mizoram | | Drawn By : DIN |
| Building Title : G+1, in Lemabong Military Station | | Scale : 1/100 |
| Drawing Title : Floor Plan, Roof plan, Elevation, Toilet Details | | Desig By : Tharandra Nath |
| Approved By : ESS FOUNDATION PVT. LTD. Address : 96, Barabakar Mill Road, Uthubari Ghy-781007 | | Sht No. : 1 OF 22 (R1) |



| | | | | | |
|--|--|--|--|---|--|
| <p>NOTES:</p> <ol style="list-style-type: none">1. ALL DIMENSIONS SHALL BE IN METERS AND VARIOUS SIZES SHALL BE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.2. ALL DIMENSIONS SHALL BE GIVEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.3. ALL DIMENSIONS SHALL BE GIVEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.4. ALL DIMENSIONS SHALL BE GIVEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.5. ALL DIMENSIONS SHALL BE GIVEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.6. ALL DIMENSIONS SHALL BE GIVEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.7. ALL DIMENSIONS SHALL BE GIVEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED. | <p>Consultant :</p> <p>ESS FOUNDATION PVT. LTD.</p> <p>Address : 96, Barhokur Mill Road Uluhan</p> <p>Ghy-781007</p> | <p>Approval</p>  | <p>Project Title</p> <p>Soil Investigation & Consultancy Charges For Provision of Single Officers Accommodation at Lemakhang Military Station, Manipur</p> | <p>Date</p> <p>01-06-2023</p> | <p>Client</p> <p>MILITARY</p> <p>ENGINEERING SERVICE</p> <p>Lemakhang, Manipur</p> |
| | | | <p>Building Title</p> <p>G+1 In Lemakhang Military Station</p> | <p>DRAWN</p> <p>1:100</p> | |
| | | | <p>Drawing Title</p> <p>Ground Floor Plan</p> | <p>Designed by</p> <p>Pharmindra Nath</p> | |
| | | | | <p>Sheet No.</p> <p>2 OF 22 (R1)</p> | |



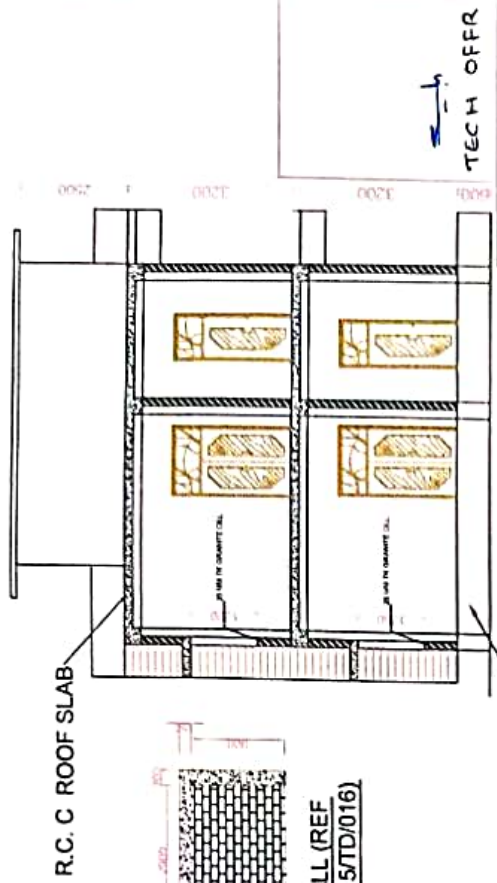
FIRST FLOOR PLAN

TECH OFFR

COMMANDER
HQ 137 WE

| | | | | | |
|---|--|--|--|------------------------------------|-------------------------------------|
| <p>NOTES:</p> <ol style="list-style-type: none"> 1. ALL DIMENSIONS ARE IN METERS AND MILLIMETERS. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 7. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. | <p>Approved By:</p> | <p>Consultant:</p> | <p>Project Title:</p> | <p>Date:</p> | <p>Client:</p> |
| <p>ESS FOUNDATION PVT. LTD.</p> | <p>ESS FOUNDATION PVT. LTD.</p> | <p>ESS FOUNDATION PVT. LTD.</p> | <p>Soil Investigation & Consultancy Charges for Provision of Single (Officers Accommodation at Lemahong Military Station, Manipur)</p> | <p>01-06-2023</p> | <p>MILITARY ENGINEERING SERVICE</p> |
| <p>Address : 96, Barhakar Mill Road Ulabari City: 781007</p> | <p>Address : 96, Barhakar Mill Road Ulabari City: 781007</p> | <p>Address : 96, Barhakar Mill Road Ulabari City: 781007</p> | <p>Building Title (1:1 in Lemahong Military Station)</p> | <p>Scale 1:100</p> | <p>Lemahong, Manipur</p> |
| <p>ESS FOUNDATION PVT. LTD.</p> | <p>ESS FOUNDATION PVT. LTD.</p> | <p>ESS FOUNDATION PVT. LTD.</p> | <p>Drawing Title: First Floor Plan</p> | <p>Designed by: Phamindra Nath</p> | <p>Sheet No: 3 OF 22(R1)</p> |

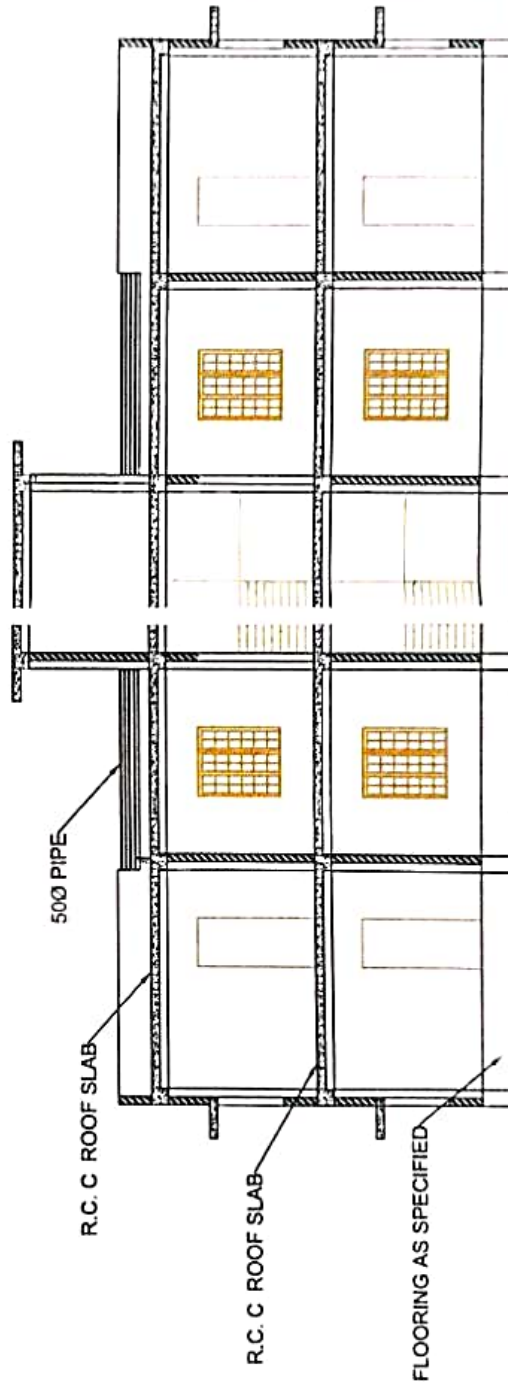
DRG NO: CWE/LK9/ST/33C/2023, SHT NO: 3 R/22



SECTION - AA'

SECTION - CC'

FLOCCING AS SPECIFIED



S TION - BB'

DRG NO: 1 CWE/1KG/ST/336/2023. JHT NO: 48/22

| | | | | | |
|----------------|---|-------------|----------------|------------|--|
| Project Title | Soil Investigation & Consultancy Charges For Provision of Sample Officers Accommodation at Lemnakhong Military Station, Manipur | | Date | 01-06-2023 | Client MILITARY ENGINEERING SERVICE Lemnakhong ² , Manipur |
| Building Title | G-1, In Lemnakhong Military Station | Scale | 1:100 | DRN | |
| Drawing Title | Sections Details | Designed By | Phamindra Nath | Shit No. | |
| | | | | | 4 OF 22 (R1) |

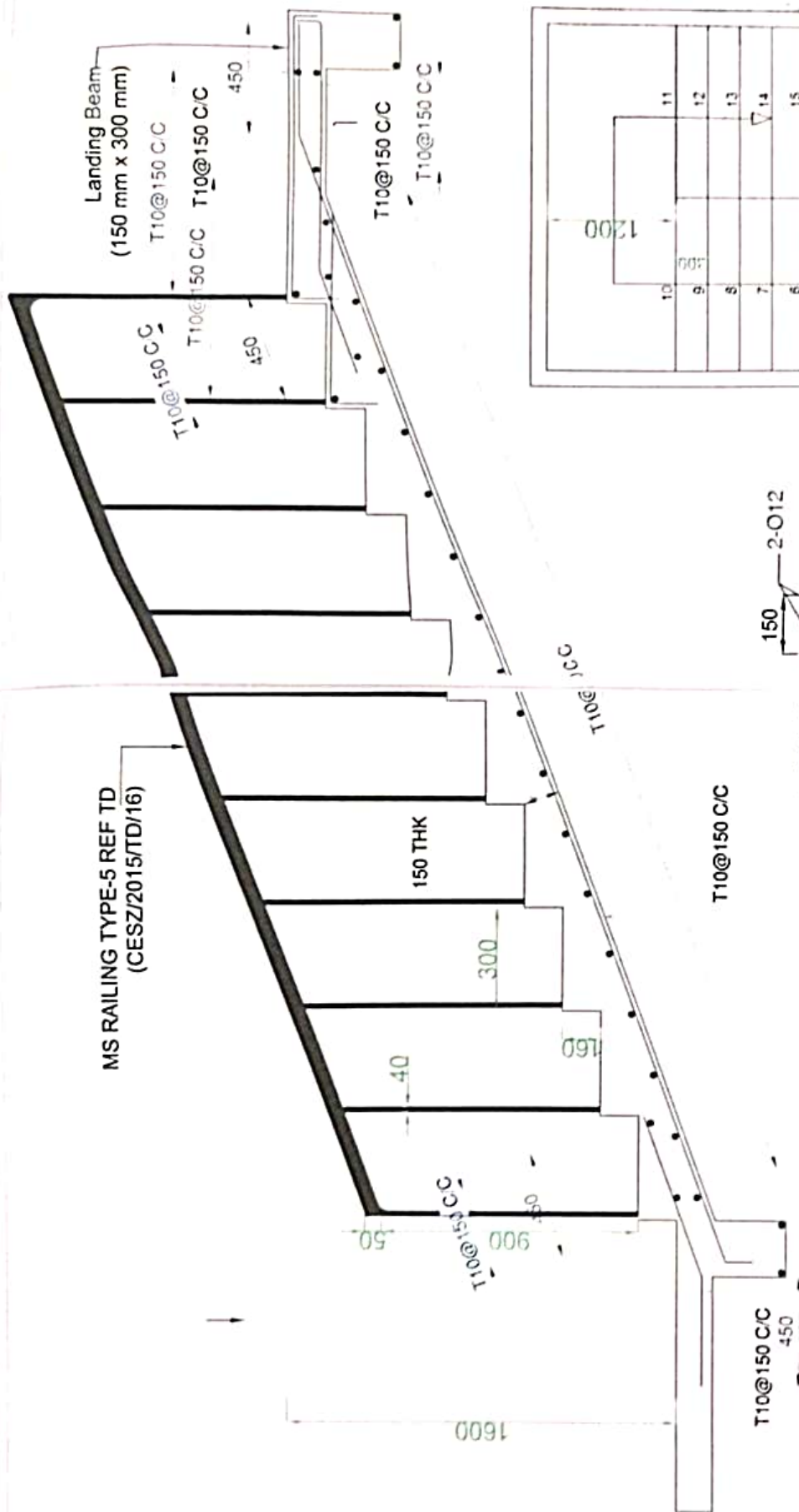
Approved By :

Consultant :
ESS FOUNDATION PVT. LTD.
Address : 96, Barthakur Mill Road Uluburi
Ghy-781007

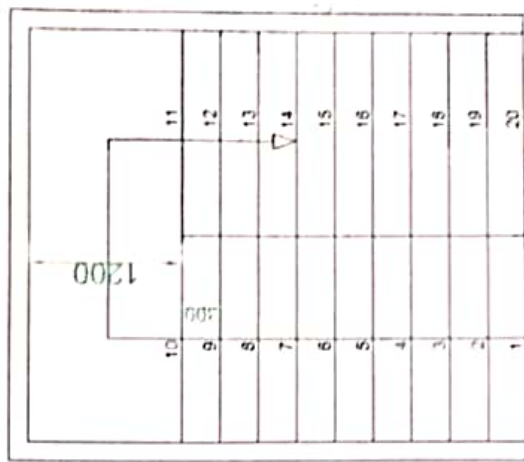
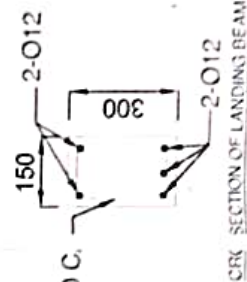


NOTES:

- [illegible]



SECTION



TECH OFFR
COMMANDER
HQ 139 WE

DRG NO: CWE/LKG/ST/336/2023

PLAN

NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
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9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

Consultant:
ESS FOUNDATION PVT. LTD
Address: 96, Barhakur Mill Road Ulabari
Ghy-781007



Approved By:

Project Title:

Soil Investigation & Consultancy Charges for Provision of Single
Officers Accommodation at Lemakhang Military Station, Manipur

Client:

MILITARY
ENGINEERING SERVICE
Lemakhang, Manipur

Date:

01-06-2023

Scale:

NTS

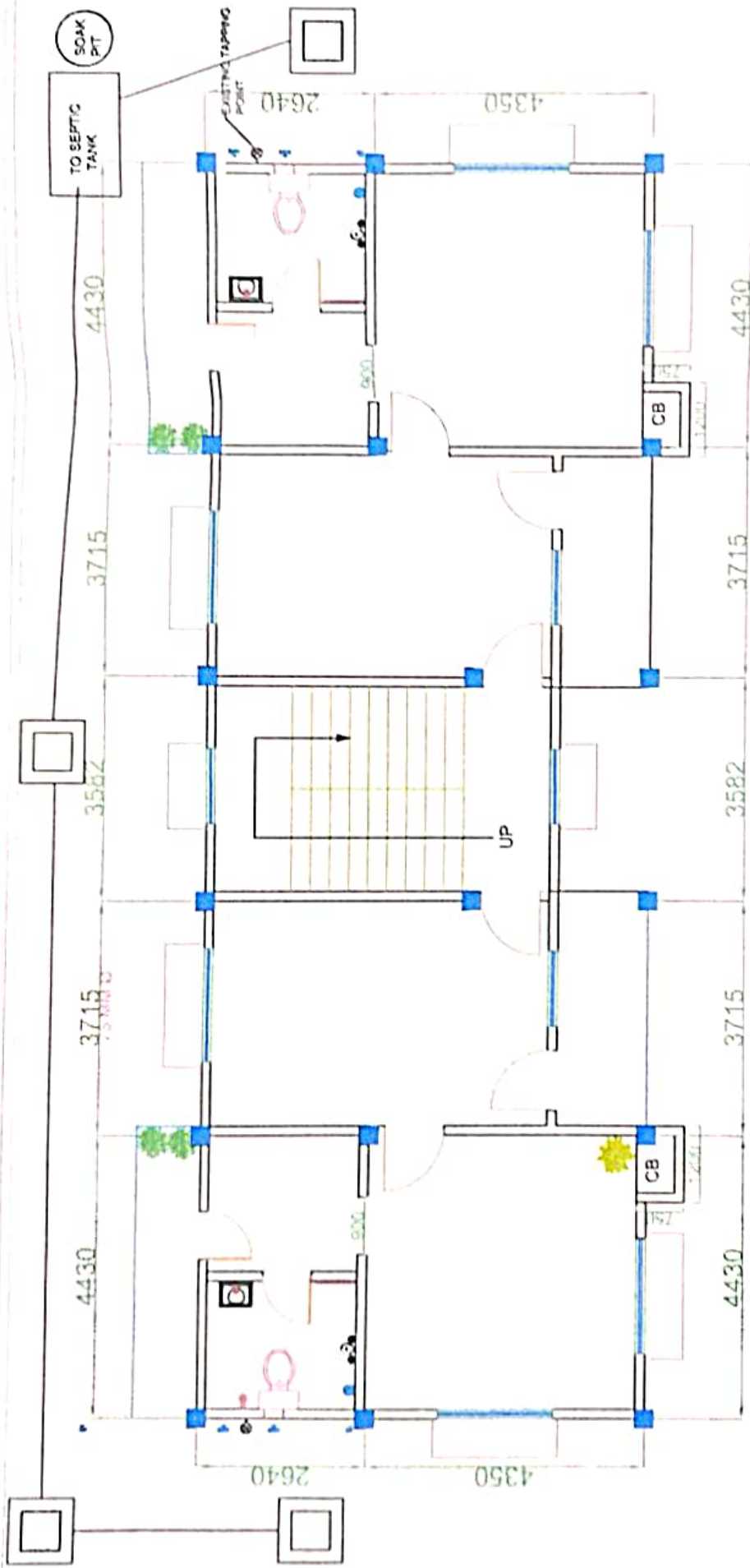
Drawn By:

Phanindra Nath

Sheet No.:

21 OF 22 (R1)





FIRST FLOOR SANITARY LAYOUT

| LEGENDS | SYMBOL |
|------------|--------|
| WC | |
| BASIN | |
| SHOWER | |
| TAP | |
| WALL MIXER | |

[Handwritten signature]

TECH OFFR

COMMANDER
HQ 127 WE



Consultant:
ESS FOUNDATION PVT LTD
Address: 1/6, Barhakar Mill Road Uluhan
Ghy-781007

NOTES:
1. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS OF THE GOVT. OF ASSAM.
2. ALL MATERIALS TO BE USED SHALL BE OF GOOD QUALITY AND SHALL BE SUPPLIED BY THE CONTRACTOR.
3. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE TIME SCHEDULE AND BUDGET PROVIDED.
4. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE SAFETY AND HEALTH REGULATIONS.
5. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION ACTS.

| | | | | | |
|----------------|---|----------|---------------|-------------|------------------------------|
| Project Title | Sanitary Investigation & Consultancy Charges For Provision of Single Officers Accommodation at Lemaikhang Military Station, Manipal | Date | 01-06-2023 | Client: | MILITARY ENGINEERING SERVICE |
| Building Title | Tr-1 to Lemaikhang Military Station | CRN | | | Lemakhang, Manipal |
| Drawing Title | First Floor Sanitary Layout | Scale | 1:100 | Designed by | Phanindra Nath |
| | | Sheet No | 10 OF 22 (R1) | | |

DRG NO: CWE/LKG/ST/326/2023, SHIT NO: 10R/22

SCHEDULE OF FINISHES

| SL NO | FLOORING | | | | | | | | | | WALLS | | SKIRTING | | DADO | | CEILING | | ROOF | | FINISHES | | REMARKS | | | | | | | | | | | | | | | | | | | | | |
|--------------|--------------|---|---|---|---|---|---|---|----|----|----------|----|----------|----|------|----|---------|----|------|----|----------|----|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|
| | GROUND FLOOR | | | | | | | | | | INTERNAL | | EXTERNAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | | | | |
| ON LS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROUND FLOOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | VARIATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | LIVING ROOM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | BED ROOM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | DINING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | TOILET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | KITCHEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | STAIR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIRST FLOOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | BAL CONY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | LIVING ROOM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | BED ROOM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | DINING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | TOILET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | KITCHEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | STAIR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| S NO | TREATMENT | DESCRIPTION |
|------|-----------|---|
| 1 | T-1 | THREE COATS OF WHITE WASH |
| 2 | T-3 | TWO COATS OF OIL BIND DISTEMPER OVER ONE COAT OF PRIMER AND PUTTY |
| 3 | T-4 | TWO COATS OF SYNTHETIC ENAMEL PAINT OVER ONE COAT OF PRIMER |
| 4 | T-8 | TWO COATS OF WEATHER RESISTANT EMULSION PAINT OVER ONE COAT OF PRIMER |

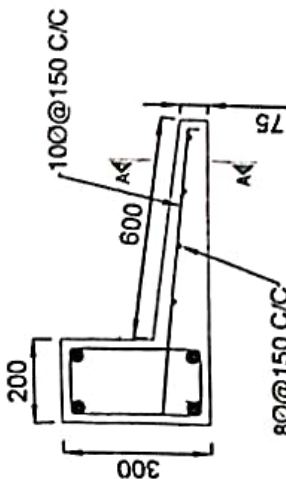


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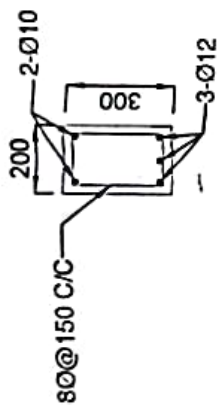
COMMANDER
HQ 137 WE

| | | | | | |
|---|--|--|--|--|---|
| NOTES 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS OF THE GOVT. OF INDIA. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF THE WORK AND THE MATERIALS USED. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORKERS AND THE PUBLIC. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ENVIRONMENT. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE HISTORICAL MONUMENTS. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE CULTURAL HERITAGE. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE NATURAL RESOURCES. | | Consultant ESS FOUNDATION PVT LTD Address: 96, Barhakar Mill Road, Ushabari City: 781007 | Project No. 01-06-2023 Date 01-06-2023 Scale 1:100 Drawing Title Schedule of Finishes | Approved By [Signature] Project No. 01-06-2023 Date 01-06-2023 Scale 1:100 Drawing Title Schedule of Finishes | Client MILITARY ENGINEERING SERVICE Lenthakhang, Manipur CTC |
|---|--|--|--|--|---|

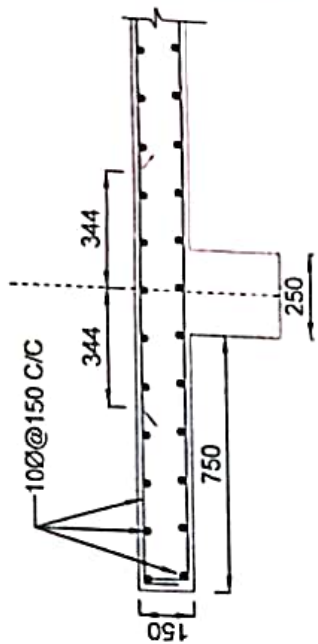
DRG NO: CWE/JKG/S7/336/2023, SHT NO: 14 R/22



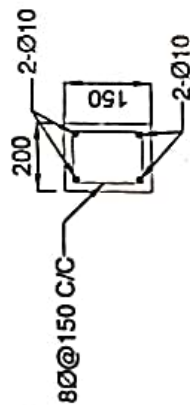
CHAJJA/SUN SHADE



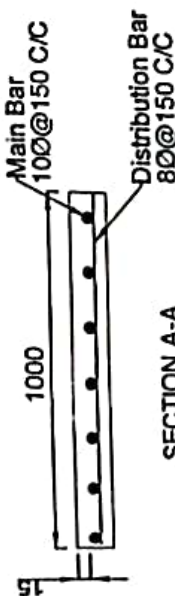
CROSS SECTION OF LINTEL BEAM



DETAILING OF CUP BOARD SLAB



CROSS SECTION OF COPING BEAM



SECTION A-A

Dr. Hrishikesh Sharma
Associate Professor
Department of Civil Engineering
Lemahong, Manipur
199
107

ORG NO: CWE / 1KG / DT / 336 / 2023

| | | | |
|----------------|---|-------------|------------------------------|
| Date | 12-12-2022 | Client | MILITARY ENGINEERING SERVICE |
| Proj No | 12/2022/336 | Scale | NTS |
| Building Title | Gr-1, In Lemahong Military Station | Designed By | Phanindra Nath |
| Drawing Title | SECTION DEATH OF CHAJJA/LINTEL BEAM & COPING BEAM | Sheet No | 22 OF 22 |



Consultant:
ESS FOUNDATION PVT. LTD.
Address: 96, Baribhawan Road, Uliubari
Ghy-781007



THESE DRAWINGS AND VOUCHER ALL INFORMATION ABOUT THE PROJECT AND THE DRAWING MUST BE KEPT IN THE OFFICE OF THE CONSULTANT AND NOT TO BE USED FOR ANY OTHER PURPOSE. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND THE DRAWING. THE CLIENT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND THE DRAWING. THE CONSULTANT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND THE DRAWING. THE CLIENT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND THE DRAWING.

11/11/2022
 N.A. Choudhary
 Supt.
 Colonel
 Major
 Commandant
 400 Regt
 137 Area

BEAM SCHEDULE DATA - FUNDAMENTAL DATA

| Beam | Span | Support | Top Reinforcement | Bottom Reinforcement | Beam End |
|------|-------|---------|-------------------|----------------------|----------|
| 1 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 2 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 3 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 4 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 5 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 6 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 7 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 8 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 9 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 10 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |

| Beam | Span | Support | Top Reinforcement | Bottom Reinforcement | Beam End |
|------|-------|---------|-------------------|----------------------|----------|
| 1 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 2 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 3 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 4 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 5 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 6 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 7 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 8 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 9 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 10 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 11 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 12 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 13 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 14 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 15 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 16 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 17 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 18 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 19 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 20 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 21 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 22 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 23 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 24 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 25 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 26 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 27 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 28 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 29 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 30 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 31 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 32 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 33 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 34 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 35 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 36 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 37 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 38 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 39 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 40 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 41 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 42 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 43 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 44 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 45 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 46 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 47 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 48 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 49 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 50 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |

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 560 075

DRS NO: CWE / 2 KG / ST / 336 / 2015

| | |
|----------------|---|
| Project Title | Soil Investigation & Foundation Design for Proposed at Target |
| Building Title | (P. W. D.) in Bangalore Military Station |
| Drawing Title | Designing of Beam Schedule in Level 1 & 2 of P. W. D. |
| Project No. | 15-12-2015 |
| Scale | 1:50 |
| Author | NTS |
| Checker | NTS |
| Drawn by | NTS |
| Project No. | 15-12-2015 |
| Scale | 1:50 |
| Author | NTS |
| Checker | NTS |
| Drawn by | NTS |



Consultant:
 ESS FOUNDATION PVT. LTD.
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 Chikballapur - 562102

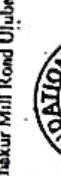
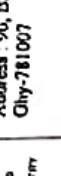
Approved by:
 Project Engineer
 Bangalore Military Station
 Bangalore, Karnataka

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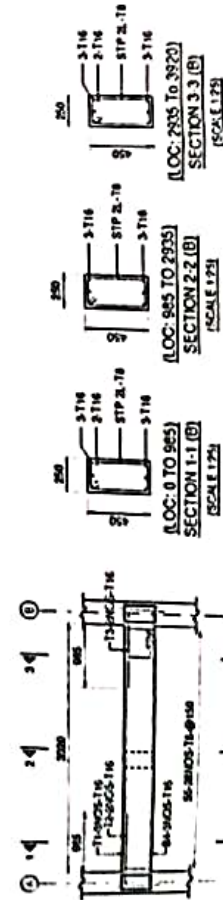
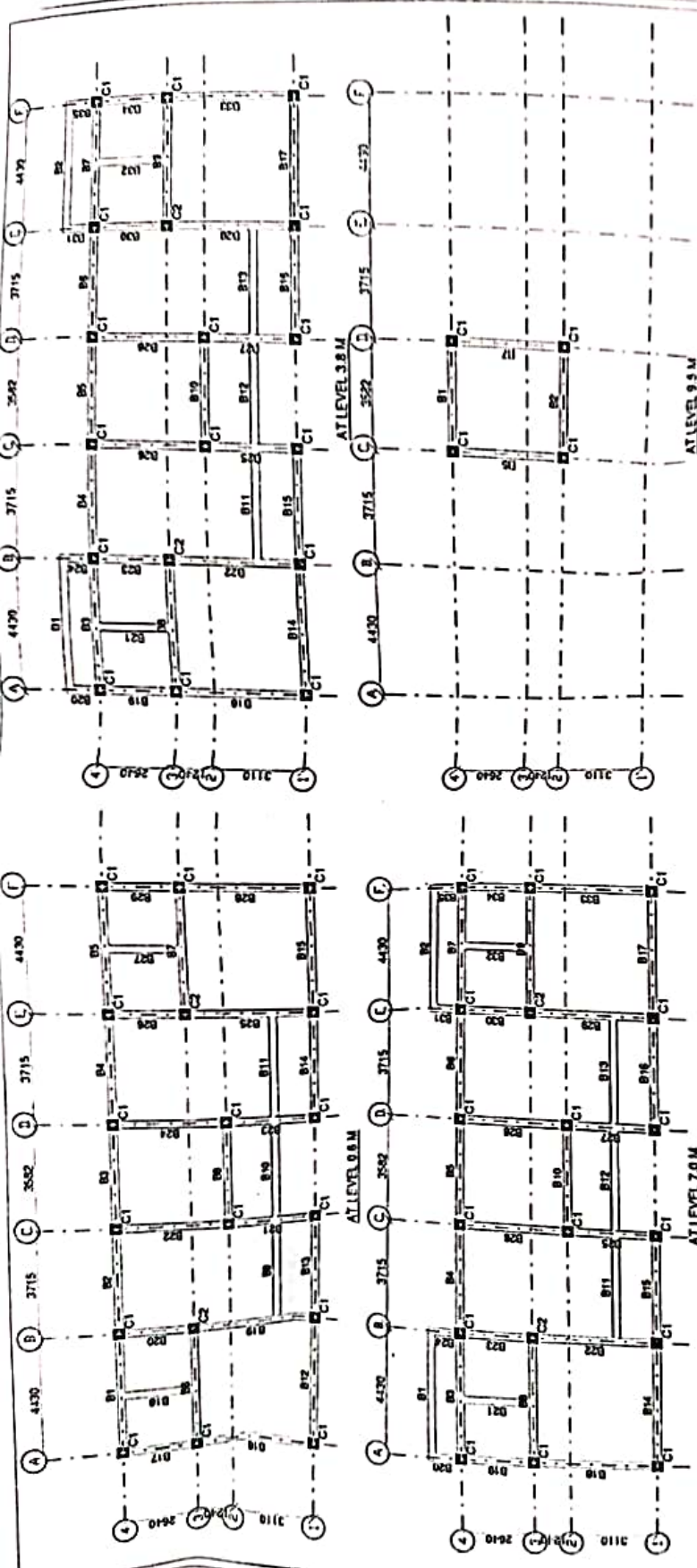
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|--|--------------------|--|
| Project Title: Soil Investigations & Consultancy Charges for Provision of Single Officers Accommodation at Leimakhong Military Station, Manipur. | Date 12-12-2022 | Client MILITARY ENGINEERING SERVICES Leimakhong, Manipur |
| Drawing Title: Detailing of Dean Schobole at Level 1 B M & 4 B M | Scale 1:100 | Drawn By Phanindra Nath |
| Drawing Title: Detailing of Dean Schobole at Level 1 B M & 4 B M | Scale 1:100 | Drawn By Phanindra Nath |

DRG NO: CWE/LKG/ST/336/2022

| BEAM NUMBER | SIZE | | BOTTOM REINFORCEMENT | | | TOP REINFORCEMENT | | | SHEAR STIRRUPS | | |
|-------------|------|-----|----------------------|----------|-------|-------------------|----------|-----------------|-----------------|----------------|-----------------|
| | B | D | LEFT | MID SPAN | RIGHT | LEFT | MID SPAN | RIGHT | LEFT | MID SPAN | RIGHT |
| B1 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 10-ZL-T8@150 CC | 8-ZL-T8@150 CC | 10-ZL-T8@150 CC |
| B2 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B3 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B4 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B5 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 10-ZL-T8@150 CC | 8-ZL-T8@150 CC | 10-ZL-T8@150 CC |
| B6 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 10-ZL-T8@150 CC | 8-ZL-T8@150 CC | 10-ZL-T8@150 CC |
| B7 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 10-ZL-T8@150 CC | 8-ZL-T8@150 CC | 10-ZL-T8@150 CC |
| B8 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B9 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B10 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B11 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B12 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 10-ZL-T8@150 CC | 8-ZL-T8@150 CC | 10-ZL-T8@150 CC |
| B13 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B14 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B15 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 10-ZL-T8@150 CC | 8-ZL-T8@150 CC | 10-ZL-T8@150 CC |
| B16 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 10-ZL-T8@150 CC | 8-ZL-T8@150 CC | 10-ZL-T8@150 CC |
| B17 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B18 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B19 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 10-ZL-T8@150 CC | 8-ZL-T8@150 CC | 10-ZL-T8@150 CC |
| B20 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B21 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B22 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B23 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B24 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B25 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B26 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B27 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B28 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B29 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |
| B30 | 250 | 450 | 3-T16 | 3-T16 | 3-T16 | 3-T16 +2-T16 | 3-T16 | 3-T16 +2-T16 | 9-ZL-T8@150 CC | 7-ZL-T8@150 CC | 9-ZL-T8@150 CC |

| | | |
|---|--|---|
| <p>NOTES</p> | <p>Consultant : ESS FOUNDATION PVT. LTD Address : 96, Barilakur Mill Road Ujuberi City-781007</p> | <p>Approved by </p> |
| <p>REMARKS IN REGISTRATION AND REPLY ALL DISCREPANCIES</p> <ul style="list-style-type: none"> 1. REMARKS OF THE PANEL 2. ALL DISCREPANCIES MUST BE CORRECTED AND 15 DAYS MUST BE GIVEN TO THE CANDIDATE TO CORRECT THE DISCREPANCIES 3. REMARKS OF THE PANEL 4. REMARKS OF THE PANEL 5. REMARKS OF THE PANEL 6. REMARKS OF THE PANEL 7. REMARKS OF THE PANEL 8. REMARKS OF THE PANEL 9. REMARKS OF THE PANEL 10. REMARKS OF THE PANEL 11. REMARKS OF THE PANEL 12. REMARKS OF THE PANEL 13. REMARKS OF THE PANEL 14. REMARKS OF THE PANEL 15. REMARKS OF THE PANEL 16. REMARKS OF THE PANEL 17. REMARKS OF THE PANEL 18. REMARKS OF THE PANEL 19. REMARKS OF THE PANEL 20. REMARKS OF THE PANEL 21. REMARKS OF THE PANEL 22. REMARKS OF THE PANEL 23. REMARKS OF THE PANEL 24. REMARKS OF THE PANEL 25. REMARKS OF THE PANEL 26. REMARKS OF THE PANEL 27. REMARKS OF THE PANEL 28. REMARKS OF THE PANEL 29. REMARKS OF THE PANEL 30. REMARKS OF THE PANEL 31. REMARKS OF THE PANEL 32. REMARKS OF THE PANEL 33. REMARKS OF THE PANEL 34. REMARKS OF THE PANEL 35. REMARKS OF THE PANEL 36. REMARKS OF THE PANEL 37. REMARKS OF THE PANEL 38. REMARKS OF THE PANEL 39. REMARKS OF THE PANEL 40. REMARKS OF THE PANEL 41. REMARKS OF THE PANEL 42. REMARKS OF THE PANEL 43. REMARKS OF THE PANEL 44. REMARKS OF THE PANEL 45. REMARKS OF THE PANEL 46. REMARKS OF THE PANEL 47. REMARKS OF THE PANEL 48. REMARKS OF THE PANEL 49. REMARKS OF THE PANEL 50. REMARKS OF THE PANEL 51. REMARKS OF THE PANEL 52. REMARKS OF THE PANEL 53. REMARKS OF THE PANEL 54. REMARKS OF THE PANEL 55. REMARKS OF THE PANEL 56. REMARKS OF THE PANEL 57. REMARKS OF THE PANEL 58. REMARKS OF THE PANEL 59. REMARKS OF THE PANEL 60. REMARKS OF THE PANEL 61. REMARKS OF THE PANEL 62. REMARKS OF THE PANEL 63. REMARKS OF THE PANEL 64. REMARKS OF THE PANEL 65. REMARKS OF THE PANEL 66. REMARKS OF THE PANEL 67. REMARKS OF THE PANEL 68. REMARKS OF THE PANEL 69. REMARKS OF THE PANEL 70. REMARKS OF THE PANEL 71. REMARKS OF THE PANEL 72. REMARKS OF THE PANEL 73. REMARKS OF THE PANEL 74. REMARKS OF THE PANEL 75. REMARKS OF THE PANEL 76. REMARKS OF THE PANEL 77. REMARKS OF THE PANEL 78. REMARKS OF THE PANEL 79. REMARKS OF THE PANEL 80. REMARKS OF THE PANEL 81. REMARKS OF THE PANEL 82. REMARKS OF THE PANEL 83. REMARKS OF THE PANEL 84. REMARKS OF THE PANEL 85. REMARKS OF THE PANEL 86. REMARKS OF THE PANEL 87. REMARKS OF THE PANEL 88. REMARKS OF THE PANEL 89. REMARKS OF THE PANEL 90. REMARKS OF THE PANEL 91. REMARKS OF THE PANEL 92. REMARKS OF THE PANEL 93. REMARKS OF THE PANEL 94. REMARKS OF THE PANEL 95. REMARKS OF THE PANEL 96. REMARKS OF THE PANEL 97. REMARKS OF THE PANEL 98. REMARKS OF THE PANEL 99. REMARKS OF THE PANEL 100. REMARKS OF THE PANEL | <p>ESS FOUNDATION PVT. LTD. </p> | |

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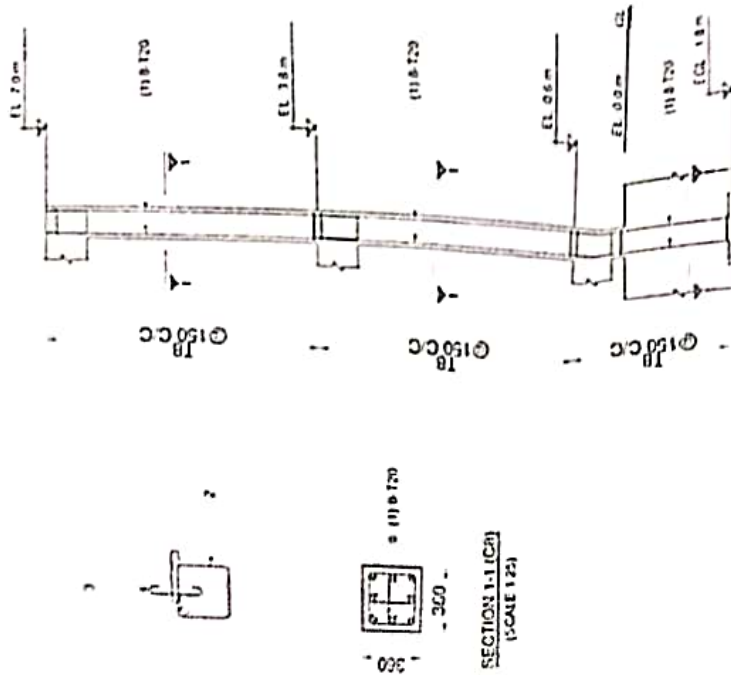
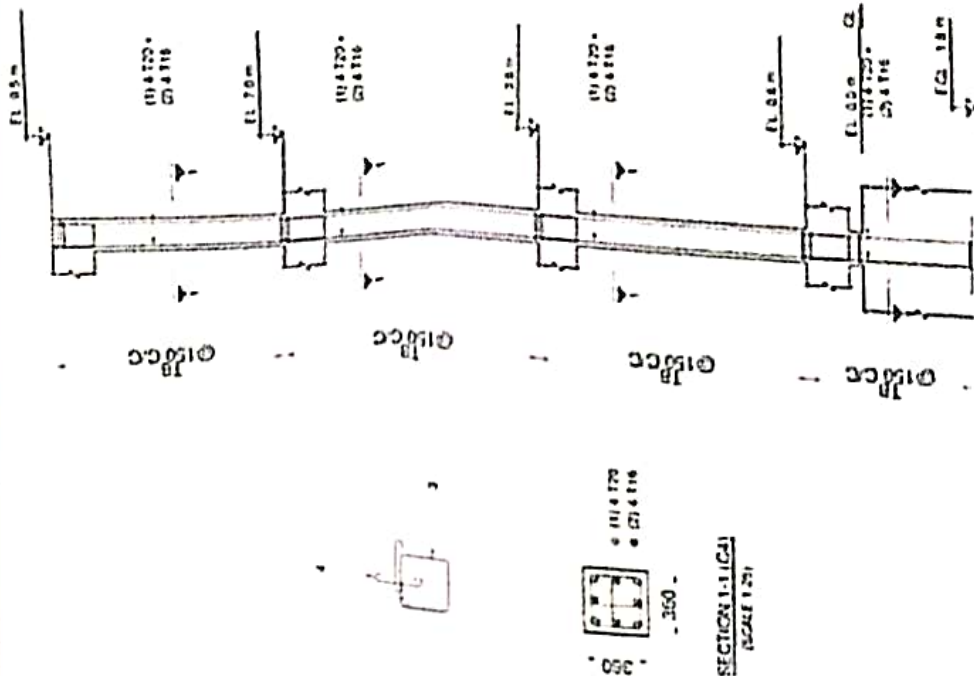
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| Project Title | Soil Investigation & Consultancy Charges For Provision of Single Officers Accommodation at Lemnabang Military Station, Manipal |
| Building Title | Gr-1, in Lemnabang Military Station |
| Drawing Title | Detailing of Beam Layout at Various Levels |
| Client | MILITARY ENGINEERING SERVICE |
| Date | 12-12-2022 |
| Scale | As per Detailing Manual |
| Designed By | Prashant Nish |
| Sheet No. | 18 of 22 |



Consultant:
 ESS FOUNDATION PVT. LTD
 Address: 96, Barabur Mill Road, Ulubari
 City-781007

NOTES:
 1. CONSULTANT HAS PREPARED AND SUBMITTED ALL DRAWINGS
 2. THE DRAWINGS ARE TO BE USED FOR THE PURPOSES OF THE PROJECT ONLY
 3. ANY MODIFICATION OR ALTERATION TO THE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF THE CONSULTANT SHALL BE AT THE RISK OF THE USER
 4. THE CONSULTANT IS NOT RESPONSIBLE FOR ANY DAMAGE OR LOSS OF ANY KIND
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 7. THE CONSULTANT IS NOT RESPONSIBLE FOR ANY LEGAL ACTION OR PROSECUTION
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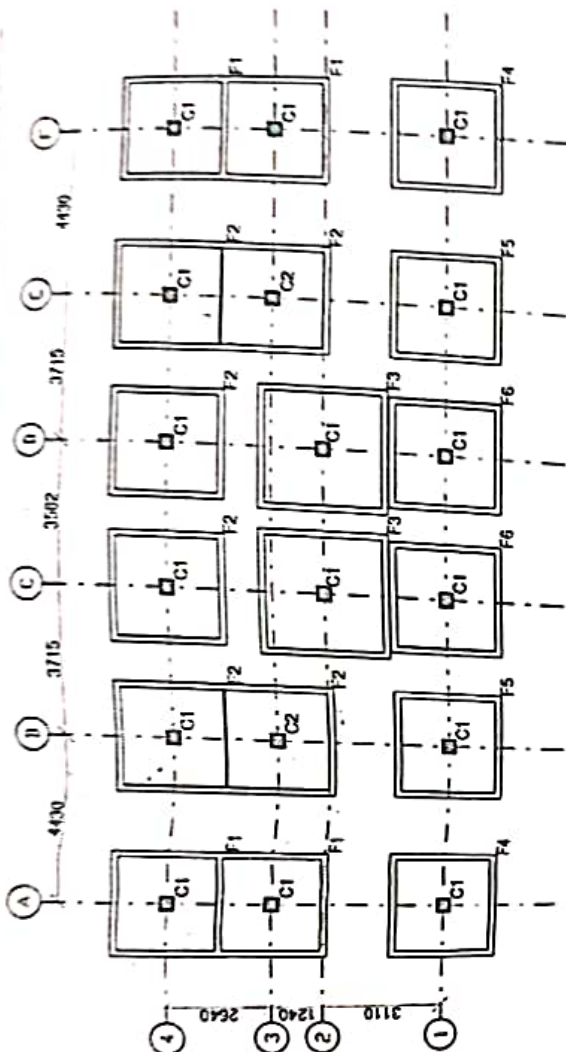
Colonel
Commander
489 1st Street
137 West 1st Street

DRG NO: CWE / 305 / 97 / 336 / 2023

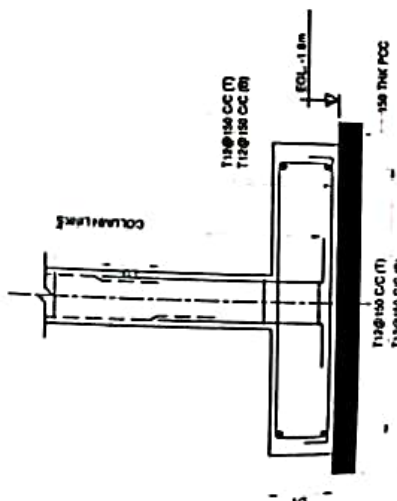
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|----------------|---|-------------|----------------|----------|-----------------------------|
| Project Title | Sub Investigation & Consultancy Charges for Provision of Single Column Foundation at 489 1st Street, Mumbai | Date | 12-12-2022 | Client | MILITARY ENGINEERING SURVEY |
| Building Title | Genl. In Training Military Museum | Scale | NTS | Location | Lemahatta, Mumbai |
| Drawing Title | Section Details of Columns | Designed by | Phanindra Nath | Drawn by | NTS |
| | | Sheet No. | 16 of 52 | | |



Consultant
ESS FOUNDATION PVT. LTD.
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City: 711007



FOOTING - PLAN
(SCALE 1:20)



SECTION 1-1
DETAIL OF FOOTING
(SCALE 1:20)

FOOTING SCHEDULE (M25:Fe500)

| FOOTING NUMBERS | COLUMN NUMBERS | FOOTING TYPE | FOOTING DIMENSION | | | | FOOTING REINFORCEMENT | | | |
|-----------------|----------------|--------------|-------------------|------|-----|--|-----------------------|------------|------------|------------|
| | | | L | B | D1 | | BOTTOM | | TOP | |
| | | | | | | | ALONG B | ALONG L | ALONG B | ALONG L |
| F1 | C1 | Pad | 2350 | 2350 | 400 | | 112@150 CC | 112@150 CC | 112@150 CC | 112@150 CC |
| F2 | C1 | Pad | 2450 | 2450 | 425 | | 112@150 CC | 112@150 CC | 112@150 CC | 112@150 CC |
| F3 | C2 | Pad | 2450 | 2450 | 425 | | 112@150 CC | 112@150 CC | 112@150 CC | 112@150 CC |
| F4 | C1 | Pad | 2800 | 2800 | 475 | | 112@150 CC | 112@150 CC | 112@150 CC | 112@150 CC |
| F5 | C1 | Pad | 2400 | 2400 | 375 | | 112@150 CC | 112@150 CC | 112@150 CC | 112@150 CC |
| F6 | C1 | Pad | 2400 | 2400 | 400 | | 112@150 CC | 112@150 CC | 112@150 CC | 112@150 CC |
| F7 | C1 | Pad | 2450 | 2450 | 400 | | 112@150 CC | 112@150 CC | 112@150 CC | 112@150 CC |

DR. HISHIKESH SHARMA
Associate Professor, IIT Bombay
Department of Civil Engineering
Institution of Engineers (India) Member
Member of Institution of Engineers (India)

DRG No: CWG/LKG/ST/336/2023

Project Title: Soil Investigation & Consultancy Charges For Provision of Single Officers Accommodation at Lemaahung Military Station, Manipal

Building Title: G-1, in Lemaahung Military Station

Drawing Title: Section Details of Footing

Project No: 12-123-2023

Date: 12-12-2023

Scale: 1:25

Designed by: Phandara Nath

Sheet No: 15 of 22



Consultant:
ESS FOUNDATION PVT. LTD.
Address: 96, Barbakur Mill Road Ulabari
Ghy-781007



NOTES

1. All dimensions are in mm unless otherwise specified.
2. The reinforcement is to be provided as per the design.
3. The concrete is to be of grade M25.
4. The steel is to be of grade Fe500.
5. The footing is to be provided with a minimum depth of 400 mm.
6. The footing is to be provided with a minimum width of 2400 mm.
7. The footing is to be provided with a minimum length of 2450 mm.
8. The footing is to be provided with a minimum area of 2450 x 2450 mm.
9. The footing is to be provided with a minimum volume of 2450 x 2450 x 400 mm.
10. The footing is to be provided with a minimum weight of 2450 x 2450 x 400 mm.

11.6.2023
H.K. Choudhary
Colonel
Commander
11.6.2023
11.6.2023
11.6.2023

GENERAL NOTES

1. GENERAL:

- 1.1 Please do not scale the drawings. Work to written dimension only.
- 1.2 All dimensions are in mm unless otherwise stated.
- 1.3 These notes are to be followed in conjunction with construction drawings and the specifications for civil and structural works.
- 1.4 Structural design is done based on architectural drawing.
- 1.5 Plain Beams (PB) shall be provided 150 mm below Ground Level (GL).
- 1.6 75 mm thick RCC with 75 mm Outer bar shall be provided below plain beam.
- 1.7 First Stirrup may be located 5 cm from the face of the column.

2. ABBREVIATIONS AND SYMBOLS:

1. F : Footings
2. C : Columns
3. B : Beams
4. SBC : Safe Bearing Capacity of soil.
5. HYSD : High Yield Strength Deformed Bars
6. MS : Mild Steel Bars
7. PCC : Plain Cement Concrete
8. RCC : Reinforced Cement Concrete
9. IS : Indian Standard
10. KN : Kilo Newton
11. m³ : Cubic metre
12. m : Metre
13. mm : Millimetre
14. Ld : Development length of bars.
15. Db : Diameter of bars
16. dia : Diameter
17. > : Greater than
18. < : Not greater than
19. @ : At the rate of
20. c/c : Centre to centre

3. DESIGN CONSIDERATIONS:

- 3.1 FOUNDATIONS.
 - 3.1.1 The SBC of foundation soil is taken as per soil investigation report which is 140 kN/m² for a foundation depth of 1.8 m.
- 3.2 LOADS.
 - 3.2.1 Dead Loads : The dead loads considered for structural are weight of slabs, beams, wall and floor finishes. Thickness and materials of walls and floor finishes are taken as per architectural drawing and specifications.
 - Unit weight of materials are taken as below :
Reinforced Cement Concrete = 25 kN/m³
Brick masonry = 19 kN/m³
Floor Finishes = As per unit weight of the material.
 - 3.2.2 Live Loads : Imposed loads on floors due to various services and occupancy of rooms are taken as per IS : 876 (Part-2) - 1987.
 - 3.2.3 Dynamic Loads : Dynamic loads due to earthquake forces are taken as per IS : 1893 (PART-1) - 2002.
 - 3.2.4 Wind Loads & Snow Loads : Wind loads and Snow loads are not considered as earthquake loads are more prominent.
 - 3.2.5 Combination of Loads : Combination of loads (for limit state Design) are taken as per IS : 1893 (Part-1) - 2002 in the analysis and design.

3.3 ANALYSIS AND DESIGNS:

- 3.3.1 Analysis and design are carried out using STAAD PRO V8 Software.
- 3.3.2 Dynamic analysis is done using Response Spectrum Method based on IS : 1893 (Part-1) - 2002.
- 3.3.3 All Sections are designed using Limit State Design Method.
- 3.3.4 Detailments of reinforcement are done as per IS : 13820 - 1993, IS : 456 - 2000, IS : 4326 - 1953 and IS : 2502 - 1983.

3.4 REINFORCEMENT:

- 3.4.1 All reinforcement before placement and assembly, shall be made free from loose scales and rust, coats of paints, oil, mud or any other coating which may destroy or reduce bond.

4. GENERAL SPECIFICATION:

4.1 EARTHWORK AND FOUNDATIONS

- 4.1.1 Just prior to laying PCC, the final 200 depth of soil shall be excavated and recompacted to the optimum density.
- 4.1.2 PCC 1:3:150 mm thick shall be laid for existing curbs below foundations.
- 4.1.3 Back filling shall be done in layers not exceeding 200 mm thickness. Each layer shall be compacted to the optimum density.
- 4.1.4 All works below ground level shall be executed in dry conditions.
- 4.1.5 Minimum depth of foundations shall be 1.2 m below firm ground.

4.2 MATERIALS:

- 4.2.1 All RCC shall be of controlled grade in accordance with IS : 456 - 2000.
- 4.2.2 Minimum grade of concrete shall be M25.
- 4.2.3 Grade of steel shall be HYSD bars conforming to IS : 1786 - 2000 unless otherwise mentioned.
- 4.2.4 All bars shall be straight. Bending shall not be permitted. The bars shall be bent cold.
- 4.2.5 Cement shall be of the best quality and shall not be used for 90 days without conducting all the relevant tests again as per IS : 456 - 2000 and last certificates for cement shall be treated as valid after a lapse of six months from the date of last mentioned in relevant records.
- 4.2.6 The pH value of water shall be generally not less than 6 (Silt).
- 4.2.7 Form work shall be cleaned and treated in accordance with clause 10.2 of IS 456-1978 before use of work. For any extra work and height more than 4.0 m above ground level shall be used for supporting the form work. The setting time shall be 7-10 days, where it is the normal setting time with Ordinary Portland Cement. The joints shall be released into 24-28 days.

4.3 STRUCTURES:

- 4.3.1 Clear cover shall be maintained as per IS : 456 - 2000 as below :
Foundation - 50mm
Columns - 40mm
Beams - 25mm
Slabs - 20mm
Staircases - 15mm
Chajjas, etc. - 15mm

- 4.3.2 Lap Splices shall be staggered in such a way that not more than 50% of bars are lapped at any particular section.

- 4.3.3 Lap Length of reinforcement bars shall not be less than the following :
Footings - 30 x dia of bar. Columns - 24 x dia. Beams - 24 x dia. Slabs - 20 x dia. of bar.
Beams - 30 x dia. of bar. Slabs - 20 x dia. of bar.
- 4.3.4 Anchorage length of bars shall be maintained as in the drawings. Extension of HSSD length of beam slabs and column shall be maintained as in the drawings.





DRG NO: CWE / 1KG/ST/336/2023

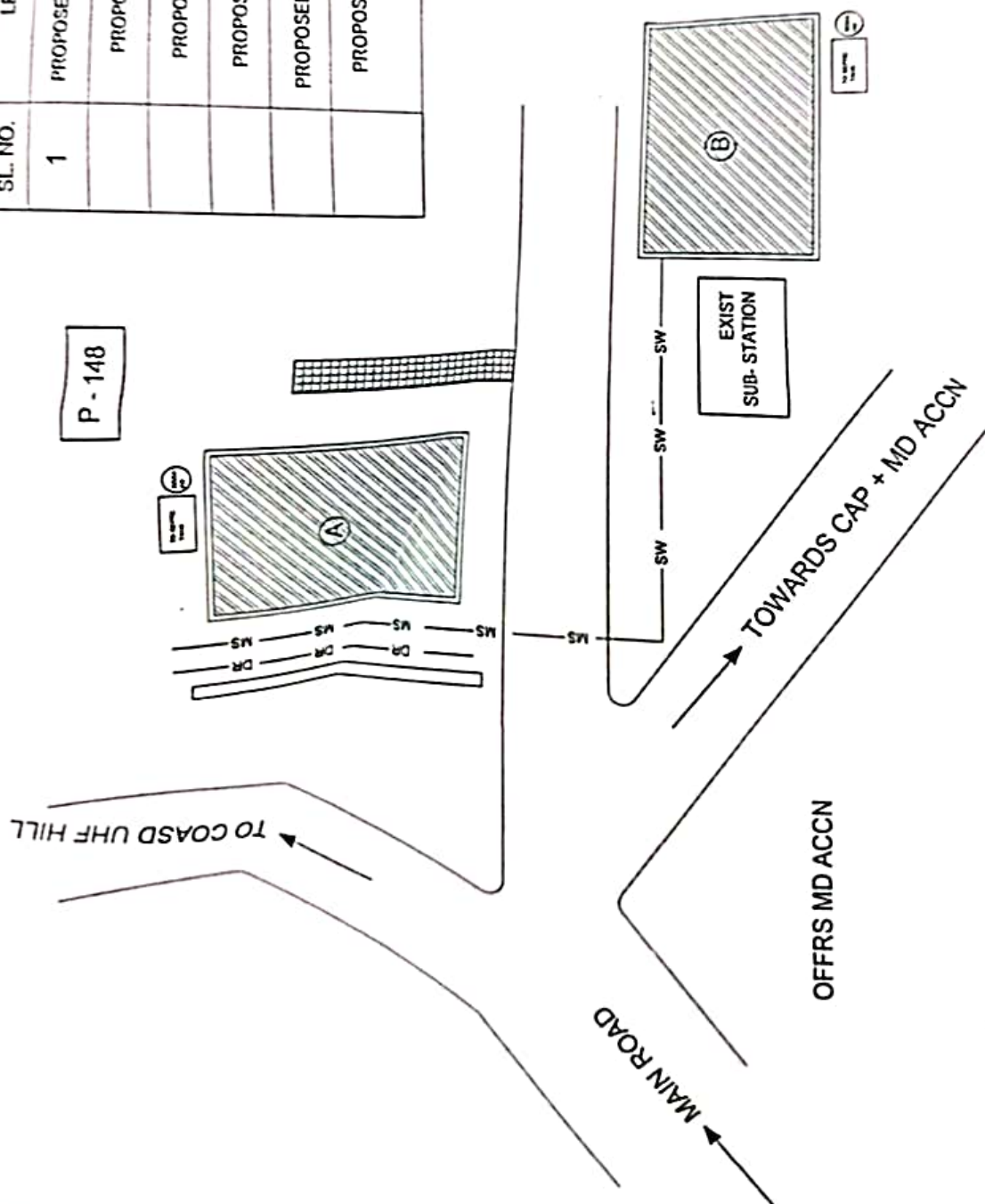
| | | |
|---|-----------------------|---|
| Project Title Soil Investigation & Consultancy Charges for Provision of Single (Where Applicable) at Leemahang Military Station, Mumbai | | Client MILITARY |
| Approved By (Signature) G-1, in Leemahang Military Station | Date 12-12-2022 | ENGINEERING SERVICE Leemahang, Mumbai |
| Drawn By (Signature) Phanindra Nath | Date 12-12-2022 | Checked By (Signature) G-1, in Leemahang Military Station |
| GENERAL NOTES | Sheet No. 13 OF 22 | |



Consultant:
ESS FOUNDATION PVT LTD
Address : 96, Barhakar Mill Road, Udhav
Ghy-781007

NOTES:
1. The drawings are to be used for the purpose of the contract only.
2. The drawings are to be used for the purpose of the contract only.
3. The drawings are to be used for the purpose of the contract only.
4. The drawings are to be used for the purpose of the contract only.
5. The drawings are to be used for the purpose of the contract only.

| SL. NO. | LEGENDS | SYMBOL |
|---------|--------------------------|---|
| 1 | PROPOSED BUILDING |  |
| | PROPOSED ROAD |  |
| | PROPOSED DRAIN | — DR — DR — |
| | PROPOSED PATH |  |
| | PROPOSED TOE WALL |  |
| | PROPOSED SEWAGE DISPOSAL | — SW — SW — |



Dr. William Stewart
1000 University Ave.
Berkeley, Calif. 94702

ORG, No: CWE/UKS/ST/336/2013

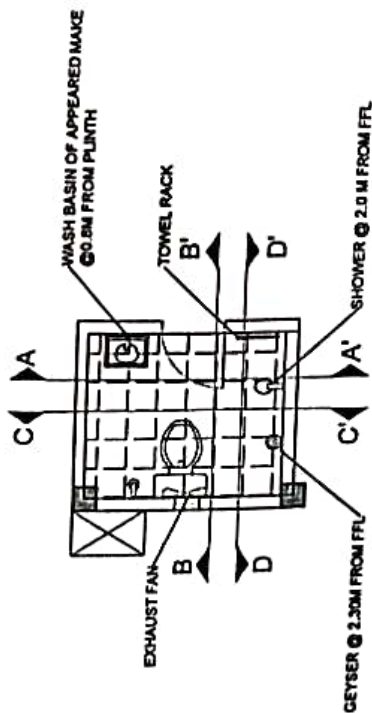
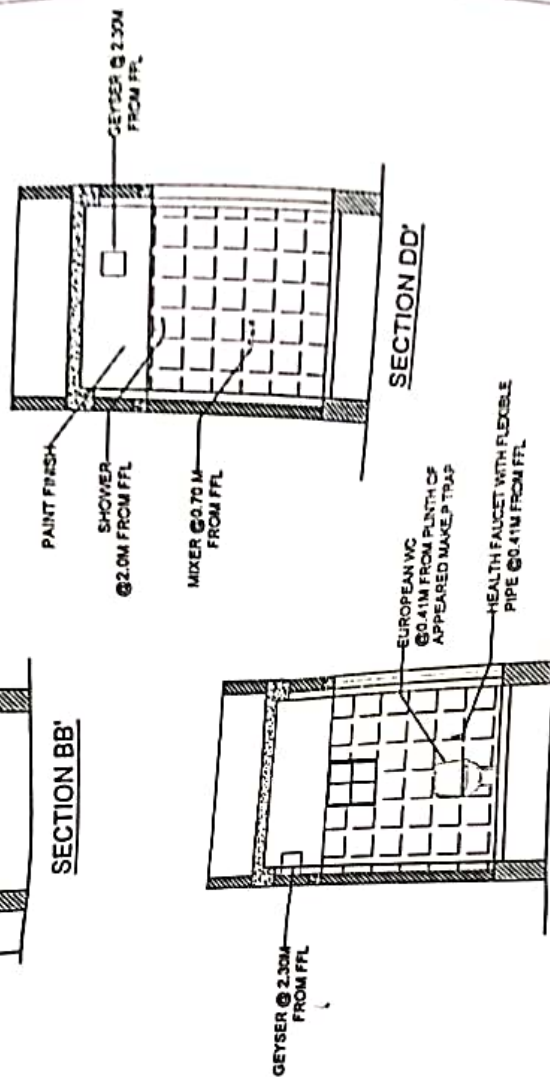
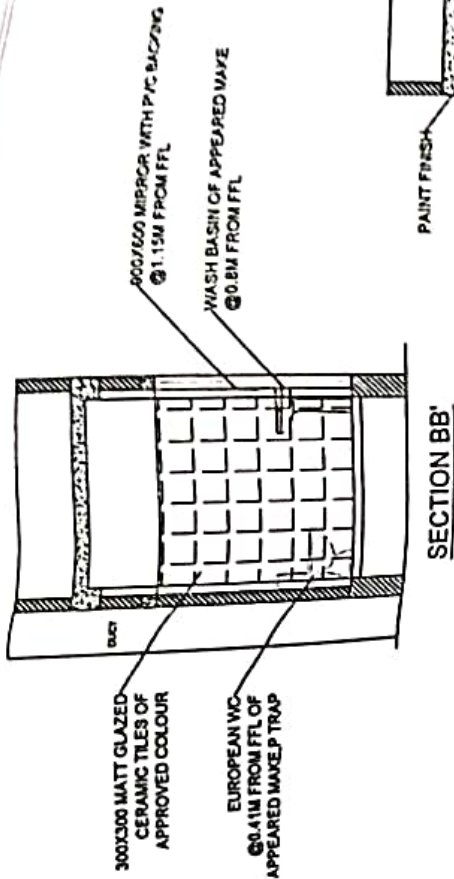
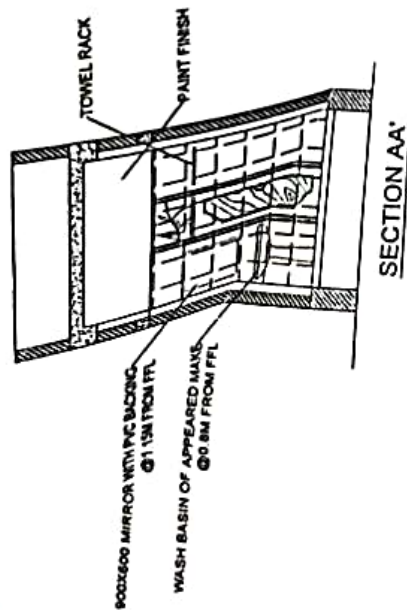
| | | |
|--|------------------|--|
| Project Title | Date | Client |
| Self Investigation & Consultancy Charges for Provision of Single Officers Accommodation at Leinchabong Military Station, Manipal | 12-12-2022 | MILITARY ENGINEERING SERVICE Leinchabong, Manipal |
| Building Title : Q+1, in Leinchabong Military Station | Scale | Drawing No. |
| | 1:100 | Phatancha Nakh |
| Drawing Title : Site Plan | Sheet No. | |
| | 12 OF 12 | |



Consultant :
ESS FOUNDATION PVT. LTD.
Address : 96, Banihaskar Mulla Road, Ulubari
Ghy-781007



1. PROBATION is the period of time during which a person is supervised by a probation officer. It is a period of time during which a person is supervised by a probation officer. It is a period of time during which a person is supervised by a probation officer.



TOILET DETAILS

SCALE - 1:50

DRG NO: CWE/1KG/5T/336/2023

Project Title
Soil Investigations & Consultancy Charges For Provision of Single Officers Accommodations at Lersahong Military Station, Manipal

Building Title:
G-1, 1a Lersahong Military Station

Drawing Title:
Toilet Details

DRG NO: CWE/1KG/5T/336/2023

Project Title
Soil Investigations & Consultancy Charges For Provision of Single Officers Accommodations at Lersahong Military Station, Manipal

Building Title:
G-1, 1a Lersahong Military Station

Drawing Title:
Toilet Details

Consultant:
ESS FOUNDATION PVT. LTD.
Address: 96, Barhakh
Ghy-781007



DR. HRISHIKESH SHARMA
Associate Professional Engineer
Department of Civil Engineering
Faculty of Engineering
Indian Institute of Technology Guwahati
Guwahati - 781005, India
12-12-2022, 11:00 AM

DRG NO: CWE/1KG/5T/336/2023

Project Title
Soil Investigations & Consultancy Charges For Provision of Single Officers Accommodations at Lersahong Military Station, Manipal

Building Title:
G-1, 1a Lersahong Military Station

Drawing Title:
Toilet Details

DRG NO: CWE/1KG/5T/336/2023

Project Title
Soil Investigations & Consultancy Charges For Provision of Single Officers Accommodations at Lersahong Military Station, Manipal

Building Title:
G-1, 1a Lersahong Military Station

Drawing Title:
Toilet Details

DRG NO: CWE/1KG/5T/336/2023

Project Title
Soil Investigations & Consultancy Charges For Provision of Single Officers Accommodations at Lersahong Military Station, Manipal

Building Title:
G-1, 1a Lersahong Military Station

Drawing Title:
Toilet Details

DRG NO: CWE/1KG/5T/336/2023

Project Title
Soil Investigations & Consultancy Charges For Provision of Single Officers Accommodations at Lersahong Military Station, Manipal

Building Title:
G-1, 1a Lersahong Military Station

Drawing Title:
Toilet Details

DRG NO: CWE/1KG/5T/336/2023

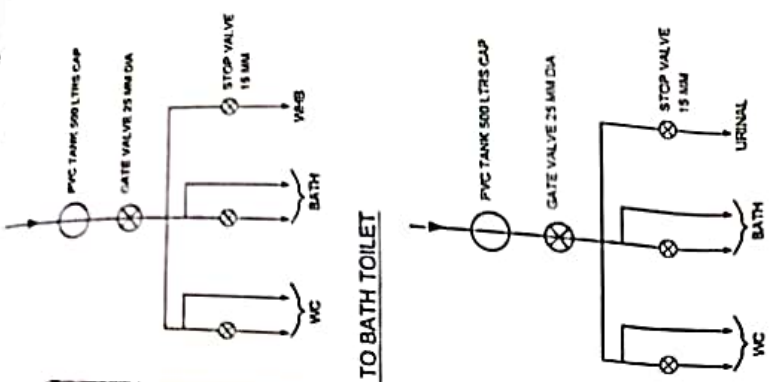
Project Title
Soil Investigations & Consultancy Charges For Provision of Single Officers Accommodations at Lersahong Military Station, Manipal

Building Title:
G-1, 1a Lersahong Military Station

Drawing Title:
Toilet Details

N.K. Chaudhary
 Colonel
 Commander
 137 Works Engineers

INTERNAL WATER SUPPLY TO BATH/TOILET



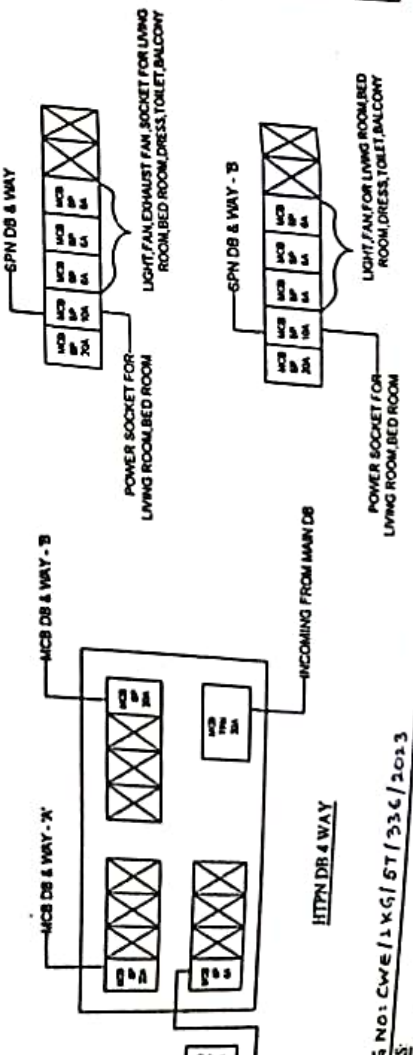
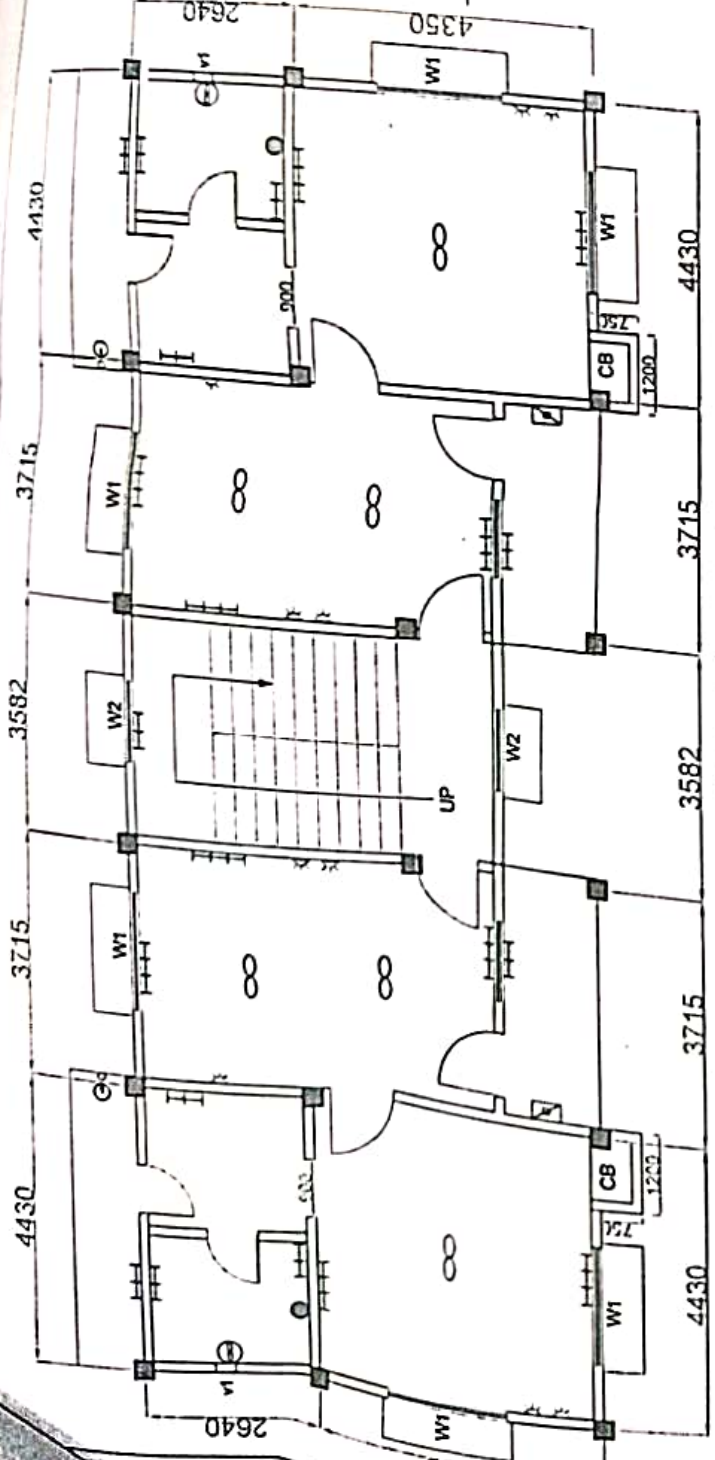
TO BATH/TOILET

| LEGENDS | SYMBOL | SYMBOL |
|-------------------|--------|---------------------|
| MCS DB SPN 8 WAY | | EXHAUST FAN 300 MM |
| MCS DB SPN 2 WAY | | CEILING FAN 1200 MM |
| MCS DB HTPN 4 WAY | | LED 20 W FITTING |
| GEYSER | | LED 10 W FITTING |
| | | SOCKET - 5A |
| | | SOCKET - 15A |

Dr. Hrishikesh Sharma
 Associate Professor
 Department of Civil Engineering
 Institute of Technology, GATEWAY
 Ch. Vahane, 731013, India
 9822012303

| | |
|------------------------------|-------------|
| Client | 12-12-2022 |
| MILITARY ENGINEERING SERVICE | DRN |
| Lemahabong Manipur | Scale |
| 1:100 | Designed by |
| Phanindra Nath | Sheet No. |
| 1 of 12 | |

FIRST FLOOR ELECTRICAL LAYOUT



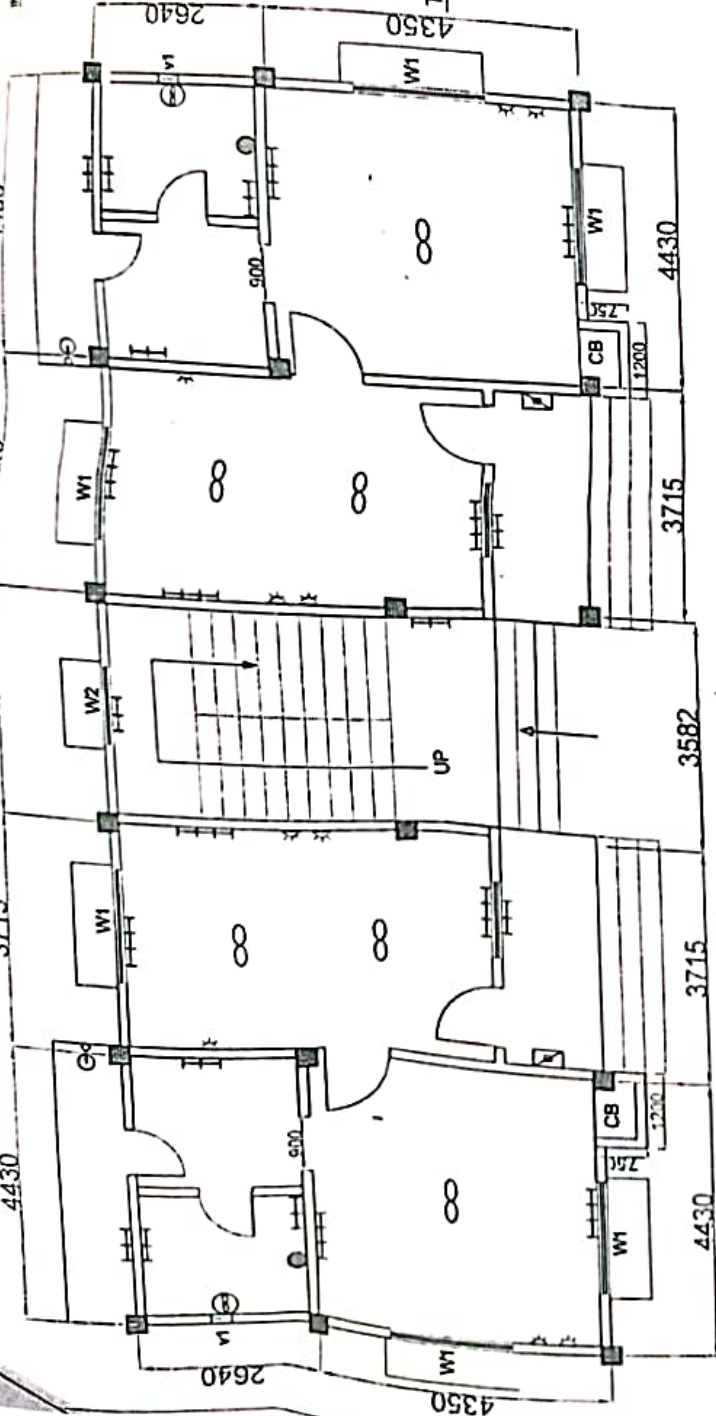
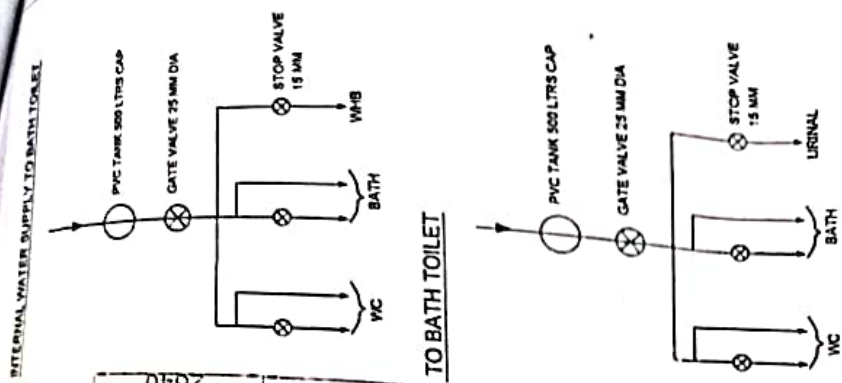
Approved By

Consultant:
 ESS FOUNDATION PVT. LTD
 Address - 96, Barhakhola, Siliguri, Jharkhand
 Ghy-731007

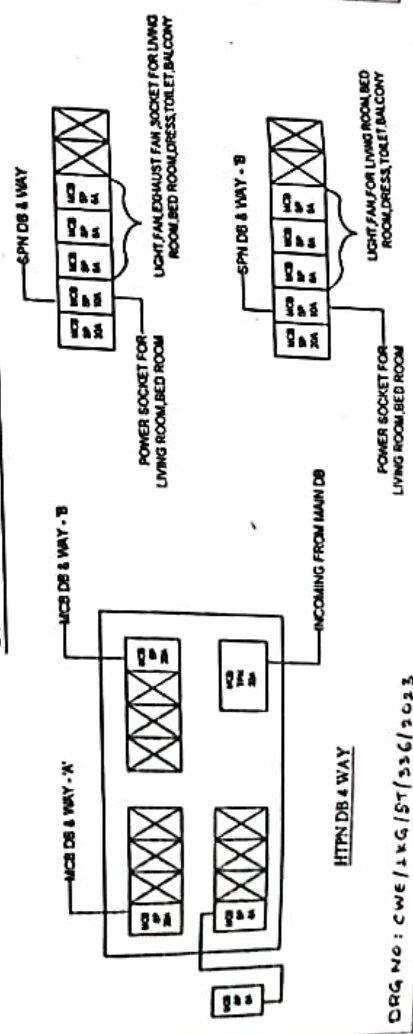
Project Title:
 Soil Investigation & Consultancy Charges for Provision of Single
 Officers Accommodation at Lemahabong Military Station, Manipur
 Building Title:
 G/L in Lemahabong Military Station
 Drawing Title:
 FIRST FLOOR ELECTRICAL LAYOUT










Scale No: CWE/13KG/ST/336/2023
 Date: 12-12-2022

1



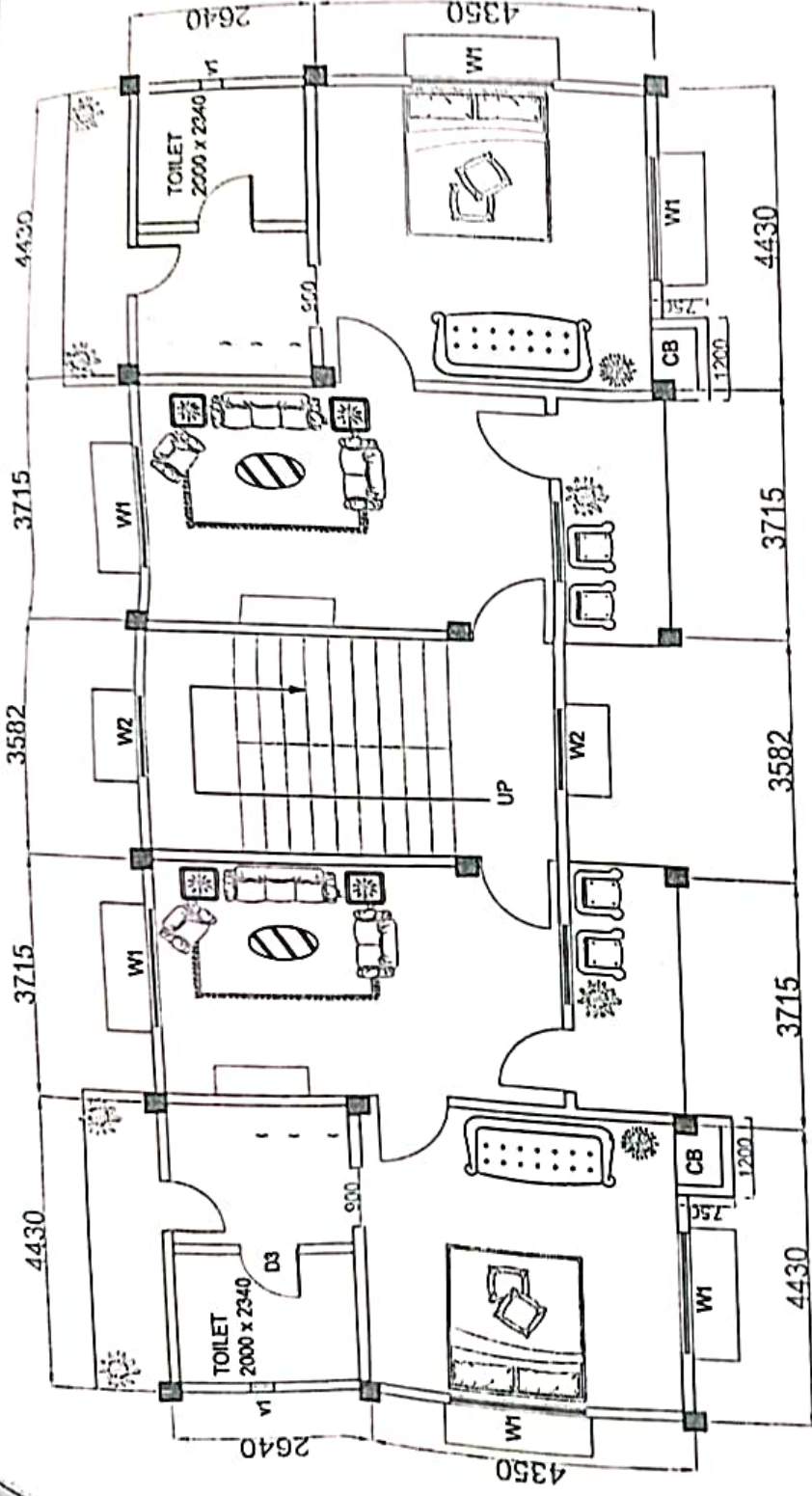
GROUND FLOOR ELECTRICAL LAYOUT



| LEGENDS | SYMBOL | SYMBOL | LEGENDS | SYMBOL |
|---------------------|---|---|-------------------|--------|
| EXHAUST FAN 300 MM |  |  | MCB DB SPN 3 WAY | |
| CEILING FAN 1200 MM |  |  | MCB DB SPN 2 WAY | |
| LED 20 W FITTING |  |  | MCB DB ATPN 4 WAY | |
| LED 10 W FITTING |  | | | |
| SOCKET - 5A |  | | | |
| SOCKET - 15A |  | | | |

Dr. Hrishabh Sharma
Associate Professor/Head
Department of Civil Engineering
राष्ट्रीय अभियांत्रिकी विद्यापीठ
Institute of Technology Guwahati
असम अभियांत्रिकी विद्यापीठ
Guwahati-781039, India

| | | | | |
|--|---|--|---|--|
| <p>NOTES</p> <ul style="list-style-type: none"> 1. DRAWINGS TO BE PREPARED IN ACCORDANCE WITH IS: 15022-1 & IS: 15022-2. 2. DRAWINGS TO BE PREPARED IN ACCORDANCE WITH IS: 15022-1 & IS: 15022-2. 3. DRAWINGS TO BE PREPARED IN ACCORDANCE WITH IS: 15022-1 & IS: 15022-2. 4. DRAWINGS TO BE PREPARED IN ACCORDANCE WITH IS: 15022-1 & IS: 15022-2. 5. DRAWINGS TO BE PREPARED IN ACCORDANCE WITH IS: 15022-1 & IS: 15022-2. | <p>Consultant : ESS FOUNDATION PVT. LTD. Address : 96, Barabandi, Ujjain City-781007</p> | <p>Project Title Soil Investigation & Consultancy Charges For Provision of Single Officers Accommodation at Lehmbhong Military Station, Manipal</p> | <p>Client Lehmbhong Military Station, Manipal</p> | |
| | | <p>Building Title G+1, to Lehmbhong Military Station</p> | <p>Date DDN</p> | <p>12-12-2022</p> |
| | | | <p>Scale</p> | <p>1:100</p> |
| | | | <p>Designed By</p> | <p>Phanindra Nath</p> |
| | | | <p>Drawing Title GROUND FLOOR ELECTRICAL LAYOUT</p> | <p>Sheet No. 7 OF 32</p> |



FIRST FLOOR FURNITURE PLAN

| LEGENDS | SYMBOL | LEGENDS | SYMBOL |
|----------|--------|---------------|--------|
| SOFA | | OUTSIDE SOFA | |
| TABLE | | TREE POT | |
| BED | | BED ROOM SOFA | |
| WARDROBE | | CARPET | |
| TV | | DRESSING | |

Dr. Hrishikesh Sharma
Associate Professor
Department of Civil Engineering
VIT-AP
Vellore Institute of Technology
Vellore, Tamil Nadu 620 015, India
Date: 28/10/2022

DRG NO: CWE/LKG/ST/336/2023

Project Title: Soil Investigation & Consultancy Charges For Provision of Single Officers Accommodation at Lengbong Military Station, Manipur

Building Title: G+1, in Lengbong Military Station

Drawing Title: First Floor Furniture Plan

Date: 12-12-2022

DRN

Scale: 1:100

Designed By: Phamindra Nath

Sheet No: 6 OF 32

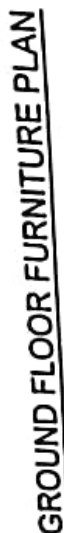
Consultant: ESS FOUNDATION PVT LTD
Address: 96, Barishal, Chhy-781007











Approved: [Signature]

Notes:

- 1. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWING.
- 2. THE CLIENT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DATA PROVIDED.
- 3. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DESIGN.
- 4. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE CONSTRUCTION.
- 5. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE MAINTENANCE.
- 6. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE OPERATION.
- 7. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REPAIRS.
- 8. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REPLACEMENTS.
- 9. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE RENOVATIONS.
- 10. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE RECONSTRUCTIONS.

निदेशक
N.K. Chaudhary
कप्तान
Colonel
37
Commander
130 सिमि बटालियन
137 थर्मो इन्जिनियर्स



| LEGENDS | SYMBOL | LEGENDS | SYMBOL |
|----------|---|---------------|---|
| SOFA |  | OUTSIDE SOFA |  |
| TABLE |  | TREE POT |  |
| BED |  | BED ROOM SOFA |  |
| WARDROBE |  | CARPET |  |
| TV |  | DRESSING |  |

Dr. Hrishikesh Sharma
Associate Professor/PG Teacher
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G. P. S. Institute of Technology, Nashik
Nashik-422 004, India
E-mail: hsharma@gpsit.edu

ORG NO: CWE/1KG/ST/336/2023

**MILITARY
ENGINEERING SERVICE**
Leimakhong, Manipur
S. Hazarika
CA/2015/67443

| | |
|-------------|----------------|
| Date | 12-12-2022 |
| DRN | |
| Scale | 1:100 |
| Designed By | Phanindra Nath |
| Sheet No. | 5 OF 20 |

| |
|---|
| Project Title: Local Investigations & Contingency Charges For Provision of Single Officers Accommodation at Leimshong Military Station, Manarua |
| Building Title: G+1, in Leimshong Military Station |
| Drawing Title: Ground Floor Furniture Plan |

Consultant :
ESS FOUNDATION PVT. LTD.
Address : 96, Baribakur Main Road, Ujjubari
Ghy-781007

[illegible]