Summary

Architectural Drawings 04-09
Architectural Details 11-14
Structural Details 16-30
Master Plans 32-41
Architectural Drawings

Ramechhap / Dhading
Room 1
35.51 sq.meters
Floor: Concrete and Stone Slab
Ceiling: Steel Structure and CGI Sheets

Room 2
35.51 sq.meters
Floor: Concrete and Stone Slab
Ceiling: Steel Structure and CGI Sheets

Bookshelf

Corridor Slope 1%

Ramp (1:12)
Steel Truss
Concrete Top Band
23 x 30cm
Concrete Column
30 x 30cm
Corridor
Wooden Planks
Thk. 1"
± 0.00
24 Gauge CGI Sheet
Slope 20° (2'6" x 8')
Brick Wall 23cm
with Plaster Thk. 2.5cm
Concrete Top Band
23 x 30cm
Brick Wall 23cm
with Plaster Thk. 2.5cm
Concrete Column
30 x 30cm
Corridor
± 0.00
Architectural Details

Ramechhap / Dhading
## OPENING SCHEDULE

<table>
<thead>
<tr>
<th>SNo.</th>
<th>DESCRIPTION</th>
<th>SYMBOL</th>
<th>NOs.</th>
<th>SIZE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DOOR</td>
<td>D1</td>
<td>2</td>
<td>100 X 245 cm</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>DOOR</td>
<td>D2</td>
<td>1</td>
<td>90 X 245 cm</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>WINDOW</td>
<td>W</td>
<td>10</td>
<td>96 X 176 cm</td>
<td></td>
</tr>
</tbody>
</table>
Concrete Top Band
23 x 30cm

Concrete Sill Band
15 x 23cm

Wooden Batten
5 x 2.5cm

Wooden Planks
Thk. 2.5cm

Brick Wall 23cm
with Plaster Thk. 2.5 cm

Concrete Stiffener
15 x 23cm

Concrete Sill Band
15 x 23cm

Elevation

Section Detail

EMERGENCY ARCHITECTS
Structural Details

Ramechhap / Dhading
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER
3. USE M20 (1:1.5:3) GRADE CONCRETE FOR COLUMN, FOUNDATION & SILL BANDS (ALL RCC WORKS)
4. FE415 GRADE STEEL (FY=415N/MM² )
5. CLEAR COVER TO BARS
   A. FOR CONCRETE MEMBERS IN CONTACT WITH SOIL = MIN 50MM
   B. FOR LONGITUDINAL (VERTICAL) BARS IN COLUMN = 40MM
   C. FOR SILL BANDS = 25MM
6. BARS IN COLUMNS SHALL BE SPliced ONLY AT MID HEIGHT OF COLUMN
7. DEVELOPMENT / LAP LENGTH (L.D.) FOR BARS
   BAR DIA-(MM) 8 10 12 16 20 25
   FOR M20 LD 456 570 684 912 1140 1425
8. PROVIDE SHEAR REINFORCEMENT AT 100 C/C AT LAP LOCATIONS
9. H = CLEAR SPAN OF FLOOR
10. H = H/6, OR 450MM WHICHEVER IS GREATER

TYP. COLUMN SHEAR REINFORCEMENT DETAIL

LAP DETAIL IN BEAM

LAP DETAIL IN BEAM

COLUMN

CORNER BEAM COLUMN JOINT

CORNER BEAM COLUMN JOINT

LAP PORTION DETAIL

LAP PORTION DETAIL

FLOOR BEAM

8mmØ -100mm C/C

50mm (MAX.)

2 NOS.-8mmØ

U-SHAPED SHAPED

8mmØ - 150mm C/C

NOT MORE THAN 50% BAR SHOULD BE LAP AT ONE POSITION

8mmØ -100mm C/C

RCC FOUNDATION

3 NOS.-8mmØ STIRRUPS

2 NOS.-8mmØ STIRRUPS

3 NOS.-8mmØ STIRRUPS

1:6 SLOPE RATIO

1:6 SLOPE RATIO

8mmØ -100mm C/C
VERTICAL RCC BAND DETAIL
SCALE=1:5

COLUMN & SILL BAND CONNECTION
SCALE=1:10

WALL SECTION
SCALE=1:50

BEAM 300X230mm

RCC SILL BAND

6mmØ @ 100mm c/c
10mmØ Rebars

Ld

VERTICAL RCC BAND DETAIL

3-10ØTh

VERTICAL RCC BAND DETAIL

3nos-10mmØ
8mmØ ties @100mm c/c

WALL SECTION
SCALE=1:50

VERTICAL RCC BAND DETAIL

150 600 300 600 150 1300 150 1000 150 1300 150 960 150 1150 300

VERTICAL RCC BAND DETAIL

Refer detail at-M

Emergency Architects

NAME: Type Design
LOCATION: Ramechhap and Dhading Districts
DATE: 2016/06/21

As mentioned
FOOTING PLAN (F1)
SCALE=1:20

FOOTING PLAN (F2)
SCALE=1:20

DETAILED AT-T
SCALE=1:20

ISOLATED FOOTING SECTION (F2)
SCALE=1:20

ISOLATED FOOTING SECTION (F1)
SCALE=1:20

Foundation Details Option-2: Soil Bearing Capacity 100KMN/m²

LOCATION: Ramechhap and Dhading Districts
Trench Plan
Scale: 1:100

Tie Beam Detail
Scale: 1:30

Trench Plan and Tie Beam Details for Ramechhap and Dhading Districts

AS MENTIONED

Emergency Architects
2016/06/21
<table>
<thead>
<tr>
<th>COLUMN NAME</th>
<th>COLUMN SIZE</th>
<th>STIRRUPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
RAMP SLOPE 1:12

50mm THK PLASTER BROOM FINISH
75 mm P.C.C 1:3:6
WITH NOMINAL REINFORCEMENT
150 mm HARD CORE FILLING
COMPACTED EARTH

12 MM THK, CEMENT PLASTER 1:4
GROUND LVL.

STONE WALL
75 mm P.C.C 1:3:6
150 mm HARD CORE FILLING
COMPACTED EARTH

PLINTH LVL. × 0.00

SECTION AT X-X
SCALE = 1:20

SECTION AT Y-Y
SCALE = 1:20

RAMP PLAN
SCALE = 1:30

900
300
1170
4770
3600

4
5

Ramechhap and Dhading Districts

Type Design

EMERGENCY ARCHITECTS

NAME: Type Design
LOCATION: Ramechhap and Dhading Districts

AUTHOR:

SHEET TITLE: Ramp Details

SHEET NO: 30

DATE: 2016/06/21
Master Plans
Ramechhap / Dhading
Master Plan

Shree Bhimeshwor Rudra Higher Secondary School
Master plan

Chakra Devi Lower Secondary School
Master plan
Chandeswari Primary School
Master plan
Janajyoti Lower Secondary School
Master plan
Mahalaxmi Higher Secondary School