Emergency School Reconstruction Project

TYPE DESIGN:
4 Small Rooms
4C(S)
# 4 SMALL ROOMS

## TABLE OF CONTENT:

### 1. ARCHITECTURAL DRAWINGS

<table>
<thead>
<tr>
<th>S.N.</th>
<th>CONTENTS</th>
<th>SHEET NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GROUND FLOOR PLAN &amp; SECTION</td>
<td>A-01</td>
</tr>
<tr>
<td>2</td>
<td>ROOF PLAN</td>
<td>A-02</td>
</tr>
<tr>
<td>3</td>
<td>ELEVATIONS</td>
<td>A-03</td>
</tr>
<tr>
<td>4</td>
<td>WALL SECTION</td>
<td>A-04</td>
</tr>
<tr>
<td>5</td>
<td>DOOR &amp; WINDOW DETAILS</td>
<td>A-05</td>
</tr>
<tr>
<td>6</td>
<td>FALSE CEILING LAYOUT PLAN</td>
<td>A-06</td>
</tr>
</tbody>
</table>

### 2. STRUCTURAL DRAWINGS

<table>
<thead>
<tr>
<th>S.N.</th>
<th>CONTENTS</th>
<th>SHEET NO.</th>
</tr>
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<tbody>
<tr>
<td>7</td>
<td>GENERAL NOTES &amp; TYPICAL DETAILS</td>
<td>S-00</td>
</tr>
<tr>
<td>8</td>
<td>TRENCH PLAN, TIE BEAM DETAILS &amp; WALL FOUNDATION DETAILS</td>
<td>S-01</td>
</tr>
<tr>
<td>9</td>
<td>FOOTING PLAN &amp; SECTION WALL FOUNDATION DETAILS</td>
<td>S-02</td>
</tr>
<tr>
<td>10</td>
<td>COLUMN PLAN &amp; DETAILS, SILL &amp; LINTEL DETAILS</td>
<td>S-03</td>
</tr>
<tr>
<td>11</td>
<td>BEAM PLAN</td>
<td>S-04</td>
</tr>
<tr>
<td>12</td>
<td>BEAM DETAILS</td>
<td>S-05</td>
</tr>
<tr>
<td>13</td>
<td>TRUSS PLAN &amp; SECTION</td>
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<tr>
<td>14</td>
<td>TRUSS DETAILS</td>
<td>S-07</td>
</tr>
<tr>
<td>15</td>
<td>TRUSS DETAILS</td>
<td>S-08</td>
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### 3. ELECTRICAL DRAWINGS

<table>
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<tr>
<td>16</td>
<td>LIGHT, POWER AND DB LAYOUT (GROUND FLOOR)</td>
<td>E-01</td>
</tr>
</tbody>
</table>
1. Any discrepancy in the drawing is to be immediately reported to the consultant or concerned engineer.
2. Drawing are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing and other services drawings.
4. Door sizes and window schedule/locations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.
6. The location of ramps to be adjusted as per site condition.
1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.
2. Drawing are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing, and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.
6. The location of ramps to be adjusted as per site condition.

NOTES:

1. Read this drawing along with other related drawings and other services drawings unless otherwise indicated.
2. Drawing are not to be directly measured.
3. Refer doors & windows schedule/elevations for size of doors & windows
4. Provide threshold at all exterior doors as per details, unless otherwise indicated.
5. The location of ramps to be adjusted as per site condition.

Sheet Title: ROOF PLAN
Sheet No.: 4C(S)
Print Sheet: A'3' Size

Date: September, 2016

Orient Consultants Global

MOHR ARCHITECT & ASSOCIATES, INC.
NOTES:
1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.
2. Drawing are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing, and other services drawings.
4. Railing doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details.
6. The location of ramps to be adjusted as per site conditions.

Date: September, 2016
1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.
2. Drawing are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing, and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.
6. Location of ramps to be adjusted as per site conditions.

NOTES:
1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.
2. Drawing are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing, and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.
6. Location of ramps to be adjusted as per site conditions.

Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal

Donor:
Japan International Cooperation Agency

Project Title:
Emergency School Reconstruction Project

Oriental Consultants Global
Global Consulting for Sustainable Development

Sub-Consultant:
Mohr-Anderson & Associates, Inc.

Type Design:
4 SMALL CLASSROOMS

Print Sheet: A3 Size

A-04

Date: September, 2016
1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.
2. Drawing are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing, and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.
6. The location of ramps to be adjusted as per site condition.

NOTES:

DOORS & WINDOWS SCHEDULE:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>SYMBOL</th>
<th>SIZES</th>
<th>G.F.</th>
<th>TOTAL</th>
<th>REMARKS</th>
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</thead>
</table>
| 1.   | W1     | 1100 x 1400 | 16   | 16    | MSG Frame & Shutter (GSF) 
|      | D1     | 1100 x 2200 | 8    | 8     | MSG Frame & Shutter       |
| TOTAL |        |            | 24   | 24    |                           |

DATE: September, 2016
NOTES:
1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.
2. Drawing are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing, and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.
6. The location of ramps to be adjusted as per site condition.
1. Use M20 (1 1/2") grade concrete for slab beam.
2. Use HR60 grade steel (6000N/mm²) for stirrups (Fe415 Min).
3. Bars cover to bars:
   a. For concrete members in contact with soil = MIN 50mm
   b. For longitudinal (vertical) bars in column = 45mm
   c. For main bars in beams = 20mm
   d. For outer bars in slab = 20mm
4. Bars in columns shall be spaced only at mid-height of column as per schedule.
5. Other related drawings.
6. Drawing are not to be directly measured.
7. Diagrams are not to be directly measured.
8. Diagrams are not to be directly measured.
9. Diagrams are not to be directly measured.
10. Diagrams are not to be directly measured.

**NOTES:**
1. Any discrepancy in the drawing should be immediately reported to the consultant or concerned engineer.
2. Drawings are not to be directly measured.
3. Refer drawings with other related drawings and with structural, electrical, plumbing, and other services drawings.
4. Roll doors & windows schedule/measurements for size of doors & windows.
5. Provide threshold at all external doors as per details, unless otherwise indicated.

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**GENERAL NOTES:**
- 4 SMALL CLASSROOMS
- Sheet Title: 4C(S)
- Sheet No.: 4C(S)
- Date: September, 2016
- Print Sheet: A'3' Size
1. Any discrepancy in the drawings must be immediately reported to the consultant or concerned engineer.
2. Drawings are not to be directly measured.
3. Read the drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.

NOTES:
- Trench Plan
- Footing Table
- Trench Beam Tie Section Detail
- Foundation Beam Tie Section Detail
- Foundation Design for 4C(S)
- Soil Bearing Capacity
- Grid
- Foundation size
- Thickness
- Reinforcement

Sheet Title: 4C(S) SMALL CLASSROOMS
Sheet No.: S-01

Date: September, 2016
Print Sheet: A’3’ Size

Government Of Nepal
Department Of Education
Sanatun, Kathmandu, Nepal

Donor: Japan International Cooperation Agency

Project Title: Emergency School Reconstruction Project

By: ORCIENTAL CONSULTANTS GLOBAL
Consulting for sustainable Development

Sub-Consultant: Joint Venture with MOCHI ARCHITECT & ASSOCIATES, INC.

Donor: OICENTAL CONSULTANTS GLOBAL

Type Design: 4 SMALL CLASSROOMS
3. Read this drawing along with other related drawings and services drawings unless otherwise indicated.

2. Drawings are not to be directly measured.

1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.

5. Provide threshold at all exterior doors as per details, unless otherwise indicated.

4. Refer doors & windows schedule/elevations for size of doors & windows.

NOTES:

- 3:00 MM THICK STONE SOILING
- 2:00 MM THICK STONE SOILING
- 1:00 MM THICK SOILING
- 0:60 MM THICK SOILING
- 0:30 MM THICK SOILING
- 0:15 MM THICK SOILING
- 0:05 MM THICK SOILING

- 1:20 SCALE
- 1M = 200MM
- 1MM = 20MM
- 5MM = 100MM
- 10MM = 200MM
- 15MM = 300MM
- 20MM = 400MM
- 25MM = 500MM
- 30MM = 600MM
- 35MM = 700MM
- 40MM = 800MM
- 45MM = 900MM
- 50MM = 1000MM

- 200MM FOOTING PLAN & SECTION
- 4 SMALL CLASSROOMS
- WALL FOUNDATION DETAIL SECTION AT - 1
- WALL FOUNDATION DETAIL SECTION AT - 3

- COLUMN FOOTING PLAN - F1
- COLUMN FOOTING SECTION - F1
- WALL FOUNDATION DETAIL SECTION - AT - 1
- WALL FOUNDATION DETAIL SECTION - AT - 3

- 1.20 SCALE
- 1MM = 20MM
- 5MM = 100MM
- 10MM = 200MM
- 15MM = 300MM
- 20MM = 400MM
- 25MM = 500MM
- 30MM = 600MM
- 35MM = 700MM
- 40MM = 800MM
- 45MM = 900MM
- 50MM = 1000MM

Sheet Title: FOOTING PLAN & SECTION
Sheet No.: 4C(S)

Date: September, 2016
Print Sheet: A'3' Size

S-02
1. Any discrepancy in the drawing shall be immediately reported to the consultant or concerned engineer.
2. Drawings are not to be directly measured.
3. Refer this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing and other services drawings.
4. Refer doors & windows schedule / elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.

NOTES:

- Provide threshold at all exterior doors as per details, unless otherwise indicated.
- Refer doors & windows schedule / elevations for size of doors & windows.
- Any discrepancy in the drawing shall be immediately reported to the consultant or concerned engineer.
- Drawings are not to be directly measured.

![Drawing of Column Layout Plan](image)

**COLUMN LAYOUT PLAN**

*Scale: 1:100*

**X-SECTION OF Lintel Band at A-A**

*Scale: 1:25*

**X-SECTION OF Sill Band (Stone Masonry)**

*Scale: 1:25*

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Grid</th>
<th>Grid-A</th>
<th>Grid-B</th>
<th>Grid-C</th>
<th>Grid-D</th>
<th>Grid-E</th>
<th>Stirrups</th>
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<tbody>
<tr>
<td>1</td>
<td>1, 2 &amp; 3</td>
<td>4 nos. 16 mm @ 120 mm c/c</td>
<td>4 nos. 16 mm @ 120 mm c/c</td>
<td>4 nos. 16 mm @ 120 mm c/c</td>
<td>4 nos. 16 mm @ 120 mm c/c</td>
<td>4 nos. 16 mm @ 120 mm c/c</td>
<td>8 @ 150 mm c/c &amp; 150 mm c/c</td>
</tr>
</tbody>
</table>

**COLUMN Lintel & Sill Joint Detail**

*Scale: 1:25*

**X-SECTION OF SILL BAND AT B-B**

*Scale: 1:25*
3. Read this drawing along with other related drawings and other services drawings unless otherwise indicated.

2. Drawing are not to be directly measured.

1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.

5. Provide threshold at all exterior doors as per details, unless otherwise indicated.

4. Refer doors & windows schedule/elevations for size of doors & windows.

NOTES:

S-04
Date: September, 2016
Mr. H.B. Gurung
Mr. A.S. Tamang
Mr. S. Malla
Sub-Consultant:
Joint Venture with

Project Title:
Emergency School Reconstruction Project

Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal

Donor:
Japan International Cooperation Agency

Oriental Consultants Global
Consulting for sustainable Development

Sheet Title: BEAM PLAN
Print Sheet: A'3' Size

Type Design:
4 SMALL CLASSROOMS
1. Any discrepancy in the drawing is to be immediately reported to the consultant or concerned engineer.
2. Drawings are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold on all exterior doors as per details, unless otherwise indicated.

<table>
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<th>September, 2016</th>
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<tr>
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<td>Joint Venture with</td>
</tr>
<tr>
<td>Donor:</td>
<td>ORIENTAL CONSULTANTS GLOBAL Consulting for sustainable Development</td>
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<td>Project Title:</td>
<td>Emergency School Reconstruction Project</td>
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<tr>
<td>Sheet Title:</td>
<td>BEAM DETAILS</td>
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<tr>
<td>Sheet No.:</td>
<td>4C(S)</td>
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NOTES:
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2. Drawings are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold on all exterior doors as per details, unless otherwise indicated.
1. Any discrepancy in the drawing is to be immediately reported to the consultant or concerned engineer.
2. Drawings are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing and other services drawings.
4. Refer doors & windows schedule/dimensions for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.

NOTES:

Sheet Title:
TRUSS PLAN & SECTION 4C(S)

Sheet No.:
S-06

Date:
September, 2016

Print Sheet:
A'3' Size

Type Design:
4 SMALL CLASSROOMS

Sub-Consultant:
Shree Consultants (Nepal) Pvt. Ltd.
1. Any discrepancy in the drawing is to be immediately reported to the consultant or concerned engineer.
2. Drawings are not to be directly measured.
3. Read the drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.

NOTES:

- Date: September, 2016
- Mr. H.B. Gurung
- Mr. A.S. Tamang
- Mr. S. Malla

Sub-Consultant: Joint Venture with

Project Title: Emergency School Reconstruction Project

Donor: Joint Venture with

Type Design: Sheet Title: Sheet No.

Print Sheet: A’3’ Size

Sheet No.: S-07
1. Any discrepancy in the drawing is to be immediately reported to the consultant or concerned engineer.
2. Drawings are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise indicated.

NOTES:

Date: September, 2016

Mr. H.B. Gurung
Mr. A.S. Tamang
Mr. S. Malla

Sub-Consultant:
Joint Venture with

Project Title:
Emergency School Reconstruction Project

Donor:
Government Of Nepal
Japan International Cooperation Agency

Oriental Consultants & Associates, Inc.

Type Design:
4 SMALL CLASSROOMS

Sheet Title: Sheet No.
TRUSS DETAILS

Print Sheet: A’3’ Size

S-08
1. Any discrepancy in the drawing to be immediately reported to the consultant or concerned engineer.
2. Drawing are not to be directly measured.
3. Read this drawing along with other related drawings and coordinate with Structural, Electrical, Plumbing, and other services drawings.
4. Refer doors & windows schedule/elevations for size of doors & windows.
5. Provide threshold at all exterior doors as per details, unless otherwise instructed.
6. The location of ramps to be adjusted as per site conditions.

NOTES:

- 3.0 m, 3.3 m, 3.6 m, 4.0 m
- Two way Switch: 1.2 m above Finished Floor level
- Single Pole MCB
- Double Pole MCB
- Three Pole MCB
- NCA Meter
- Main Panel Board
- Distribution Board
- Cu/Phase bar
- 2.5 m above Ground level
- 32A DP MCB
- NEA Tapping
- 10mm sq. Cu/Al Armoured
- 2.5 sq. mm Cu Wires
- 4 SMALL CLASSROOMS

LEGEND

<table>
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<tr>
<th>ON</th>
<th>SYMBOL</th>
<th>INDICATES</th>
<th>MOUNTING HEIGHT</th>
<th>REMARKS</th>
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<td>Light</td>
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<td>Light</td>
<td>Attached to Ceiling</td>
<td></td>
</tr>
<tr>
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<td>Light</td>
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<td>9</td>
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Date: September, 2016

Print Sheet: A'3' Size

E-01