Title: Refurbishing of Existing Two Class Room Steel Structure

Submitted to: Sanothimi, Bhaktapur

Technical Consultant: RND Centre Pvt. Ltd.

Plan:
- Projection of CGI Sheet
- Projection of Truss
- 50mm gap between wall and post
- 500mm wide apron

Front Elevation:
- 350x230 tie Column with 4-12# Longitudinal bar
- 7mm @150 mm c/c Closed tie throughout the height

Scale: A3
SECTION O-O (TRUSS TR1)

LEGEND
7 - 65M PIPE
8 - 16MM TOR Steel
10 - 50M PIPE
12 - ISMC 75
13 - 2-ISMC 100
WELDED FRONT TO FRONT

(All steel structure should be hot deep galvanized)

SECTION AT X - X
DOOR FRAMES (HALL & TEACH) FOR SCHOOL AND IC BLOCKS

DOOR FRAMES (HALL & TEACH) FOR SCHOOL AND IC BLOCKS

TECHNICAL CONSULTANT:
RND CENTRE PVT. LTD.

SUBMITTED TO:
Department of Education
Government of Nepal
Ministry of Education
Sanothimi, Bhaktapur

TITLE: Doors and Window

SANOTHIMI, BHAKTAPUR

SCALE: 1:50
DATE: 16

PAPER SIZE: A3

REFURBISHING OF EXISTING TWO CLASS ROOM STEEL STRUCTURE
LEGEND

7 - 65M PIPE,
8 - 16MM TOR Steel
10 - 50M PIPE
12 - ISMC 75
13 - 2-ISMC 100
WELDED FRONT TO FRONT

(All steel structure should be hot deep galvanized)
LEGEND

7 - 65M PIPE,
8 - 16MM TOR Steel
10 - 50M PIPE
12 - ISMC 75
13 - 2-ISMC 100
WELDED FRONT TO FRONT

(All steel structure should be hot deep galvanized)

DETAIL SECTION
REFURBISHING OF EXISTING TWO CLASS ROOM STEEL STRUCTURE
SUBMITTED TO: Department of Education
Ministry of Education
Government of Nepal

RND CENTRE PVT. LTD.

TITLE: Foundation Details

SCALE: 1:50
PAPER SIZE: A3
DATE: 16
ELEVATION SHOWING TIE BAND ALONG GRID B-B

Tie Beam
Stone Masonry Wall

SECTION X1-X1

350THK STONE Masonry Wall (1:6)

350X230 RC Tie beam

Longitudinal Bar: 4-12#
Closed Tie: 8@ 150 c/c throughout the Length

750

600

600

385

350

400

50

150

150

200

350

4-120

REFURBISHING OF EXISTING TWO CLASS ROOM STEEL STRUCTURE

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SANOTHIMI, BHAKTAPUR
WALL DETAILS

STITCHING PLAN AT T-JUNCTION

100 mm Top Band
75 mm STITCH BAND
75 mm STITCH BAND

100 thk. R.C.C. Lintel (CONTINUOUS)

75 mm STITCH BAND

Steel for Vertical Reinforcement
1 - Vertical steel bar, 2 - Casing pipe, 3 - Through stone, 4 - Steel or wood link, 5 - Overlapping pair of stones.

VERTICAL SPACING OF THROUGH STONE = 600mm

Details of Wall Construction (Stone Masonry)

REFURBISHING OF EXISTING TWO CLASS ROOM STEEL STRUCTURE

TITRE: Band Details

PAPER SIZE: A3
SHEET NO.: S-10
PAGE NO.: 16
PROPOSED FOUNDATION LAYOUT PLAN

Scale: 1:70

GROUND FLOOR PLAN

PROFESSOR OF \N

SCALE : 1:70

DATE :

PAPER SIZE : A3

SHEET NO. : S-11

RND CENTRE PVT. LTD.

REFURBISHING OF EXISTING TWO CLASS ROOM STEEL STRUCTURE

SANOTHIMI, BHAKTAPUR

NAME : R.K.Mallik

DESIGNATION : Dr.K.D.Bhatta

NAME : R.K.Mallik

APPROVED BY : Dr.K.D.Bhatta

DATE :
PROPOSED TIE BEAM PLAN

Scale: 1:70
PROPOSED COLUMN PLAN

Scale: 1:70

SUBMITTED TO:

RND CENTRE PVT. LTD.

R.K. Mallik
Dr. K.D. Bhatta

REFURBISHING OF EXISTING
TWO CLASS ROOM STEEL STRUCTURE

SANOTHIMI, BHAKTAPUR
SECTION S-S (TRUSS TR3)

(All steel structure should be hot deep galvanized)
DETAIL A

DETAIL B

VIEW V1-V2

LEGEND

3 - BASE PLATE, 16 MM
6 - Welding (3mm)
7 - 65M PIPE
8 - 16MM TOR Steel
9 - PLATE, THK.=6
10 - 50M PIPE
11 - ISMC 100
12 - ISMC 75
13 - 32M PIPE

(All steel structure should be hot deep galvanized)