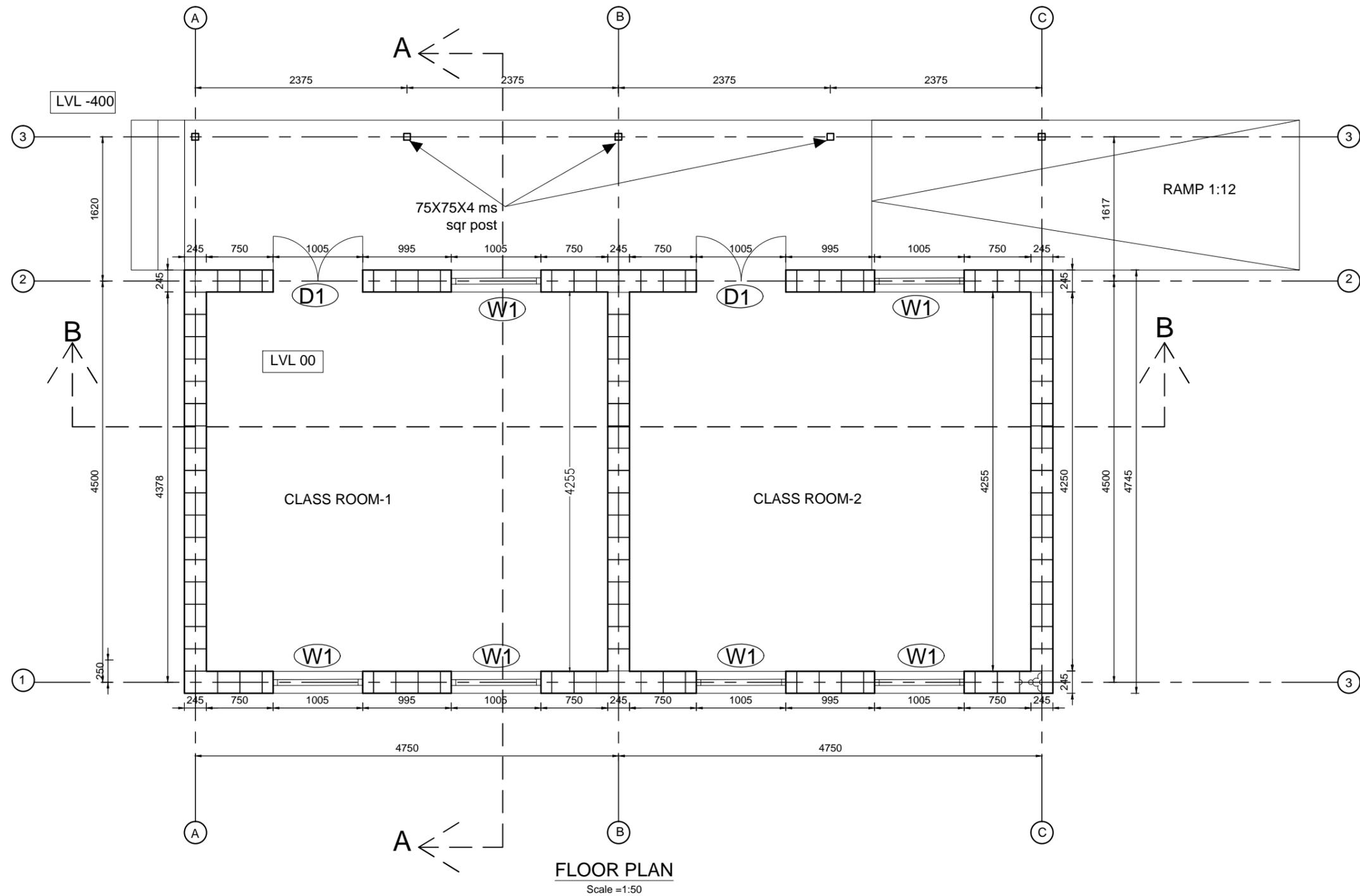


**ARCHITECTURAL AND STRUCTURAL DRAWINGS  
OF SINGLE STORIED COMPRESSED STABILISED  
EARTH BLOCK (CSEB) MASONRY SCHOOL  
BUILDING (TWO CLASSROOMS ) HAVING BLOCK  
SIZE 245X245X100 MM**



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

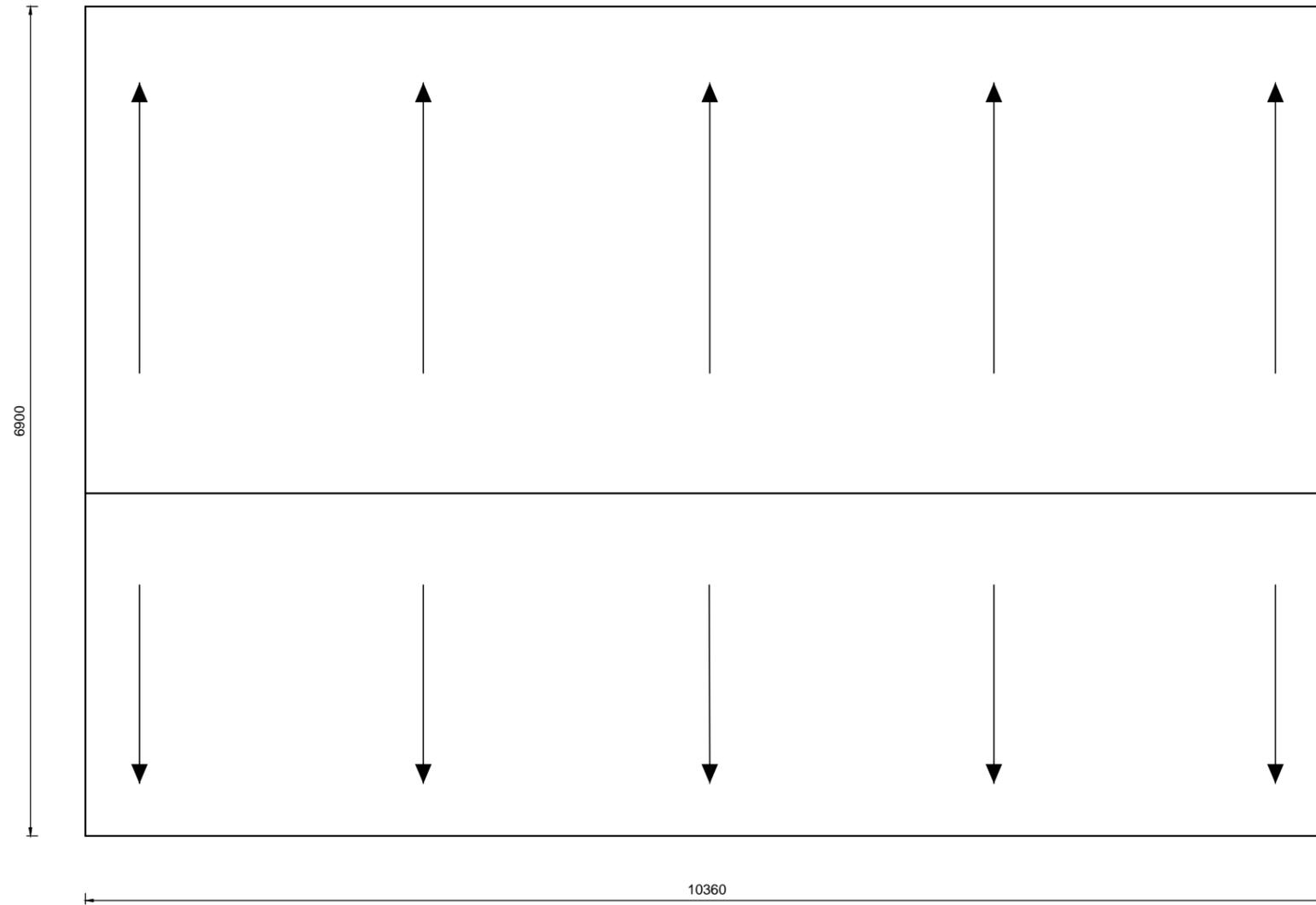
PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF SIZE  
245X245X100 MM FOR TWO  
CLASSROOMS BLOCK TYPE DESIGN

PROJECT LOCATION:  
NEPAL

DRAWING:  
FLOOR PLAN

DATE: 11.06.2017  
SCALE: 1:50

DWG. NO.  
**001**  
**A**



**ROOF PLAN**  
Scale =1:50



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

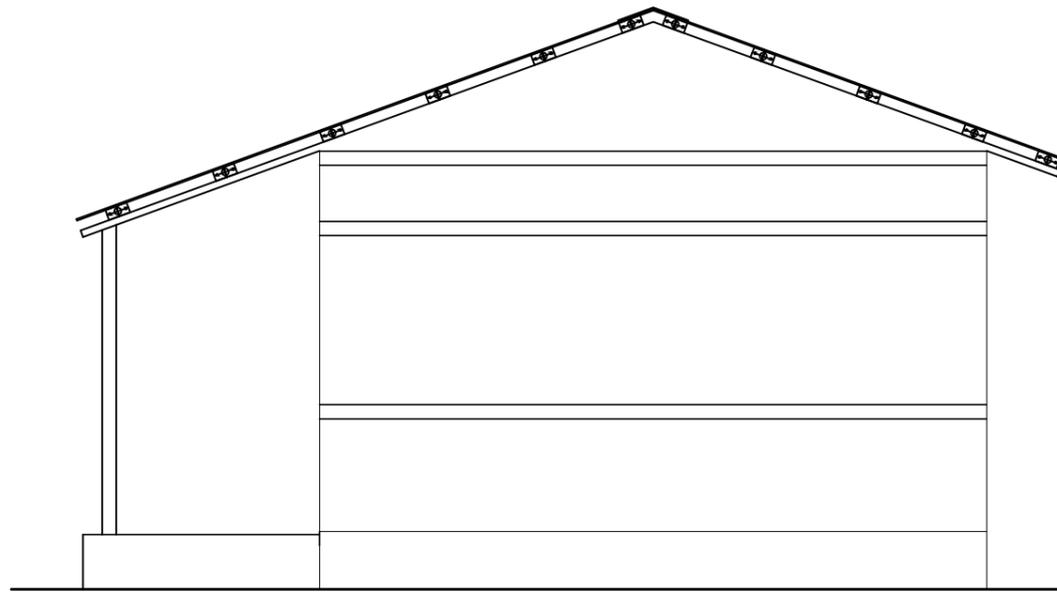
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SCHOOL IN AURAM CSEB OF SIZE  
245X245X100 MM FOR TWO  
CLASSROOMS BLOCK TYPE DESIGN

PROJECT LOCATION:  
NEPAL

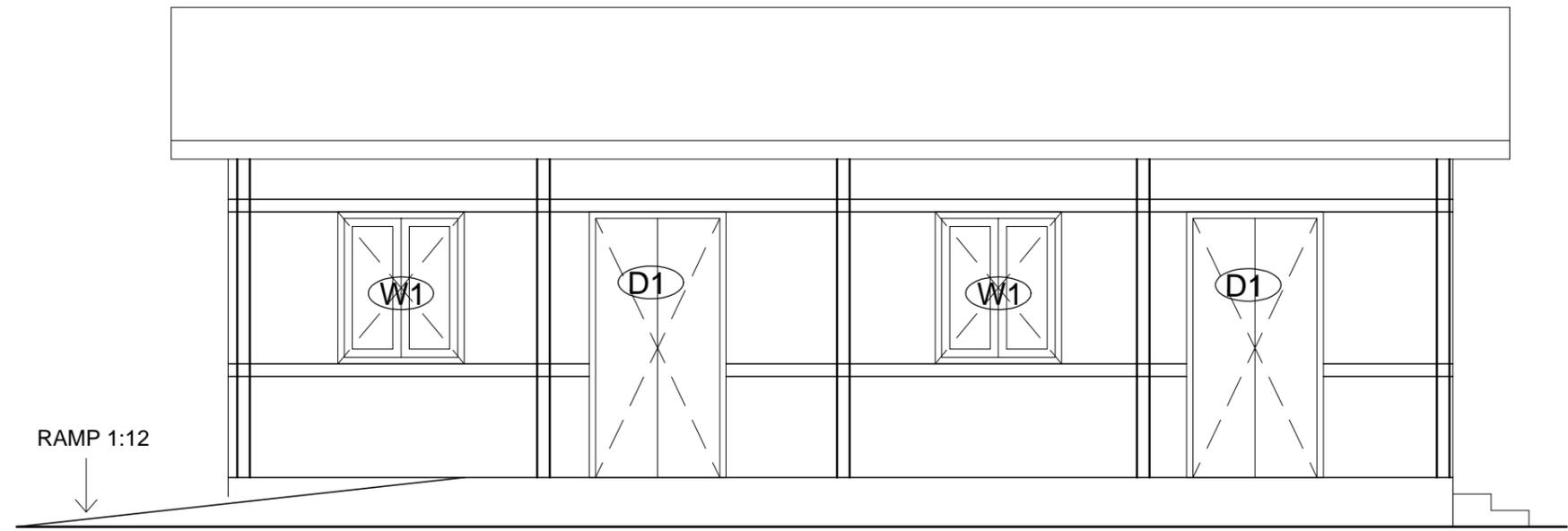
DRAWING:  
ROOF PLAN

DATE: 11.06.2017  
SCALE: 1:50

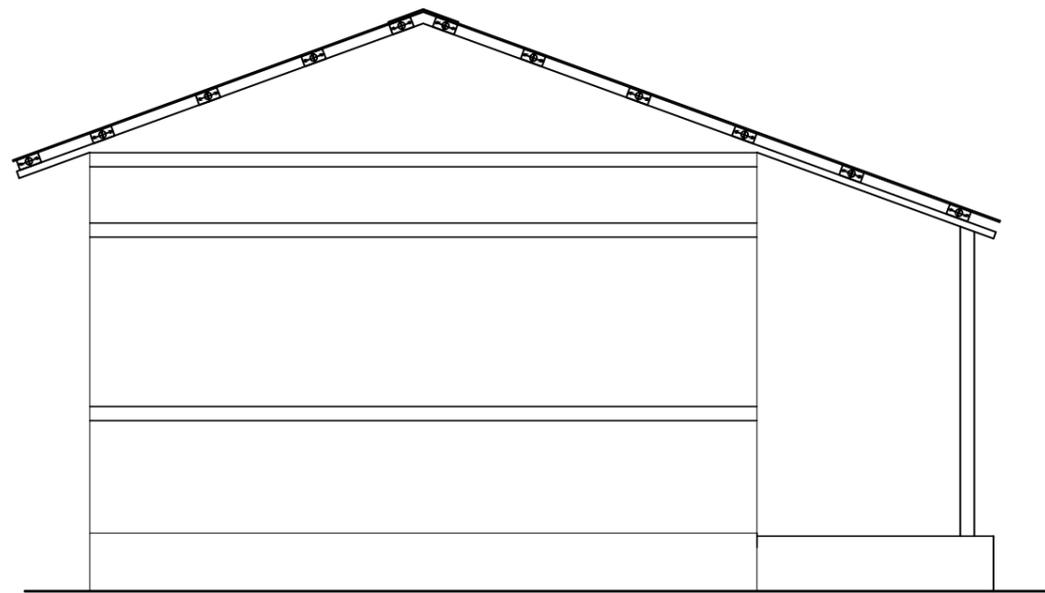
DWG. NO.  
**002**  
**A**



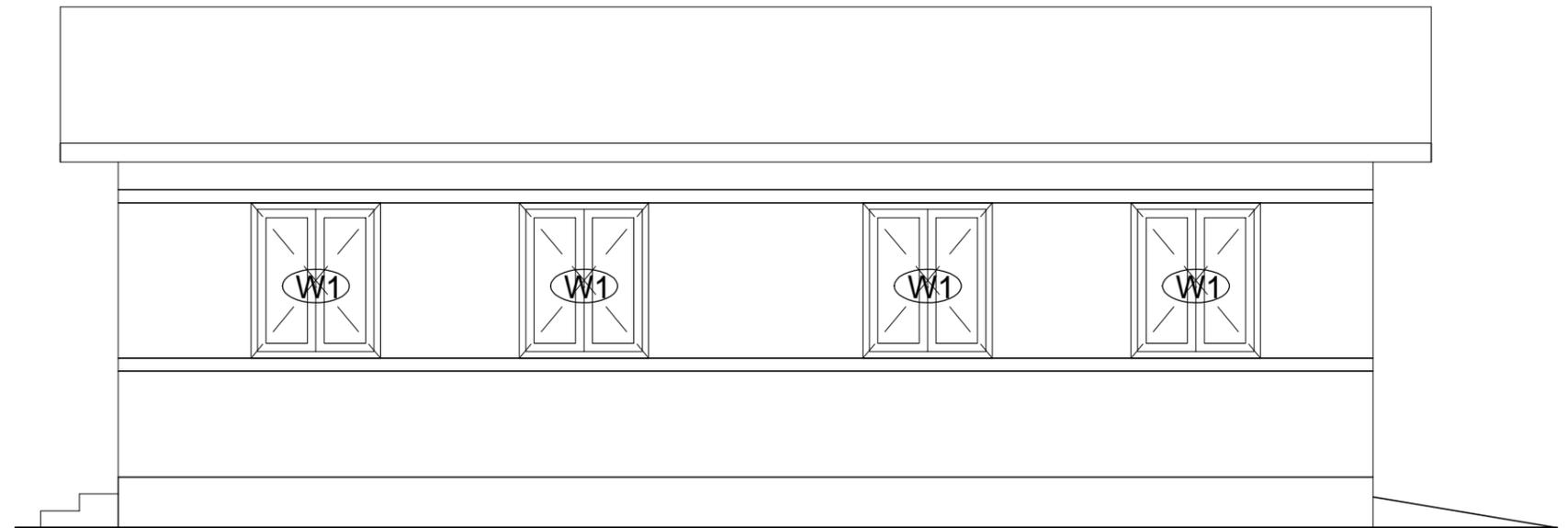
**LEFT SIDE ELEVATION**  
Scale =1:50



**FRONT ELEVATION**  
Scale =1:50



**RIGHT SIDE ELEVATION**  
Scale =1:50



**REAR ELEVATION**  
Scale =1:50



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

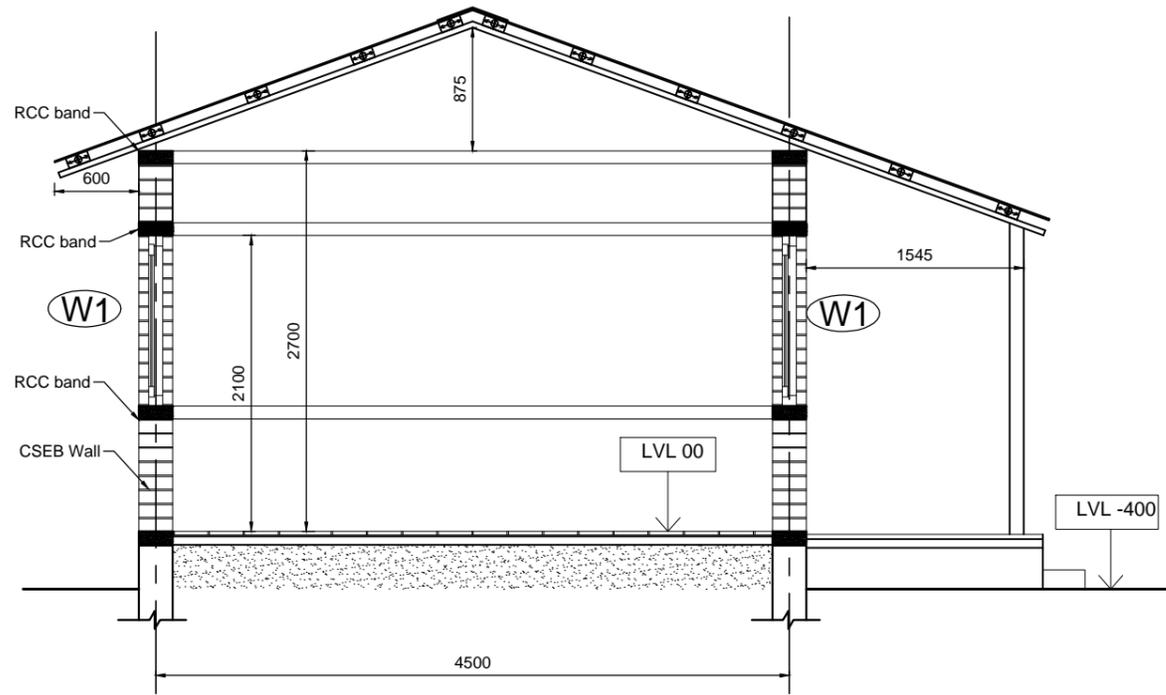
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SCHOOL IN AURAM CSEB OF SIZE  
245X245X100 MM FOR TWO  
CLASSROOMS BLOCK TYPE DESIGN

PROJECT LOCATION:  
NEPAL

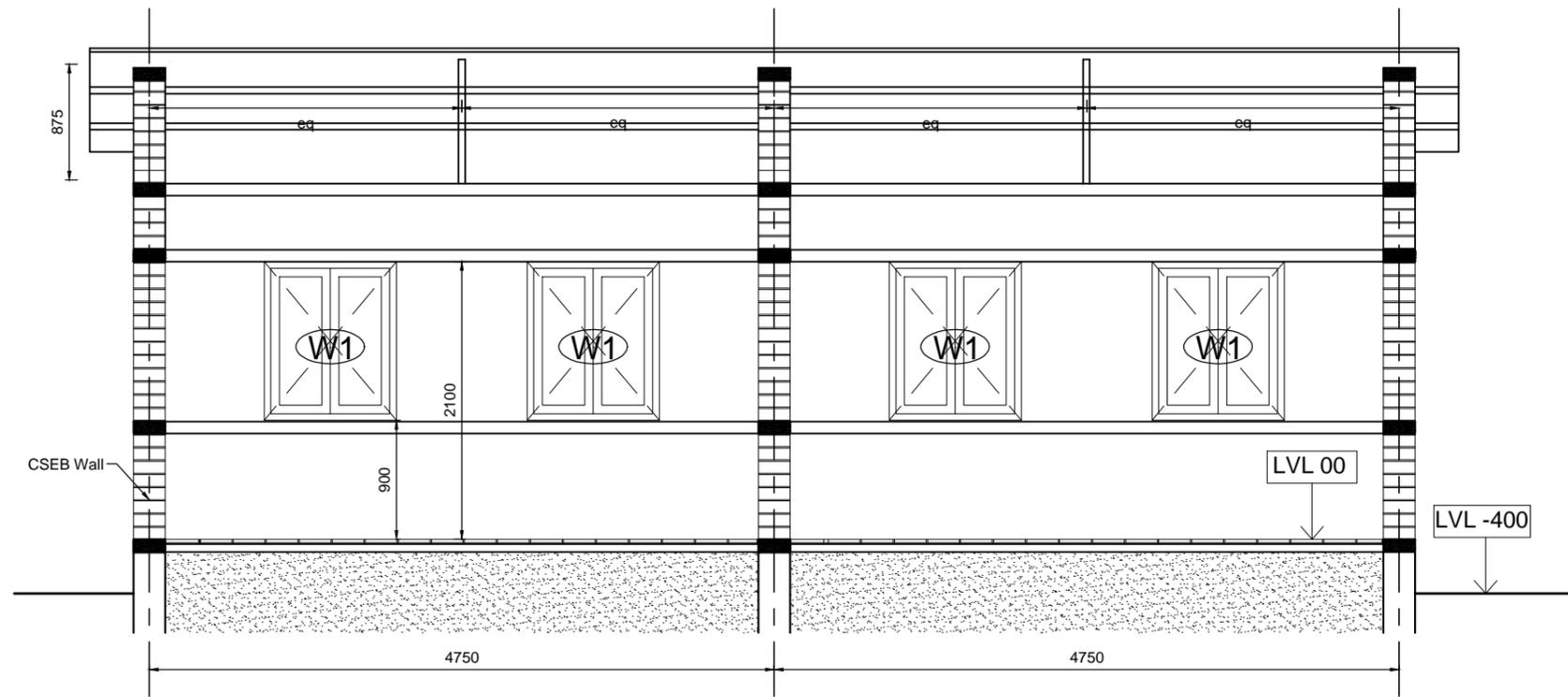
DRAWING:  
ELEVATIONS

DATE: 11.06.2017  
SCALE: 1:50

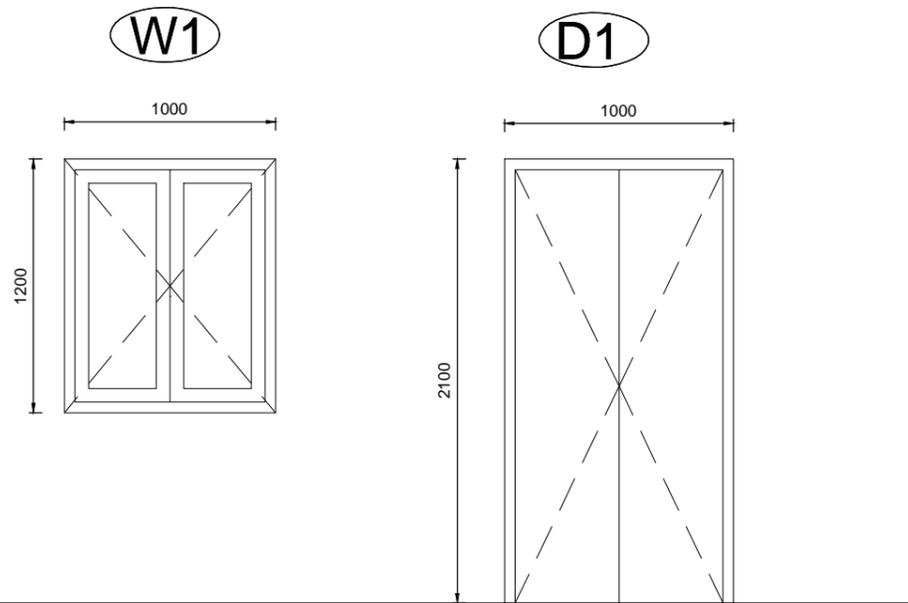
DWG. NO.  
**003**  
**A**



**SECTION AT "A-A"**  
Scale =1:50



**SECTION AT "B-B"**  
Scale =1:50



**DOOR/WINDOW DETAIL**  
Scale =1:50

|    | QUANTITY |
|----|----------|
| W1 | 6        |
| D1 | 2        |



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

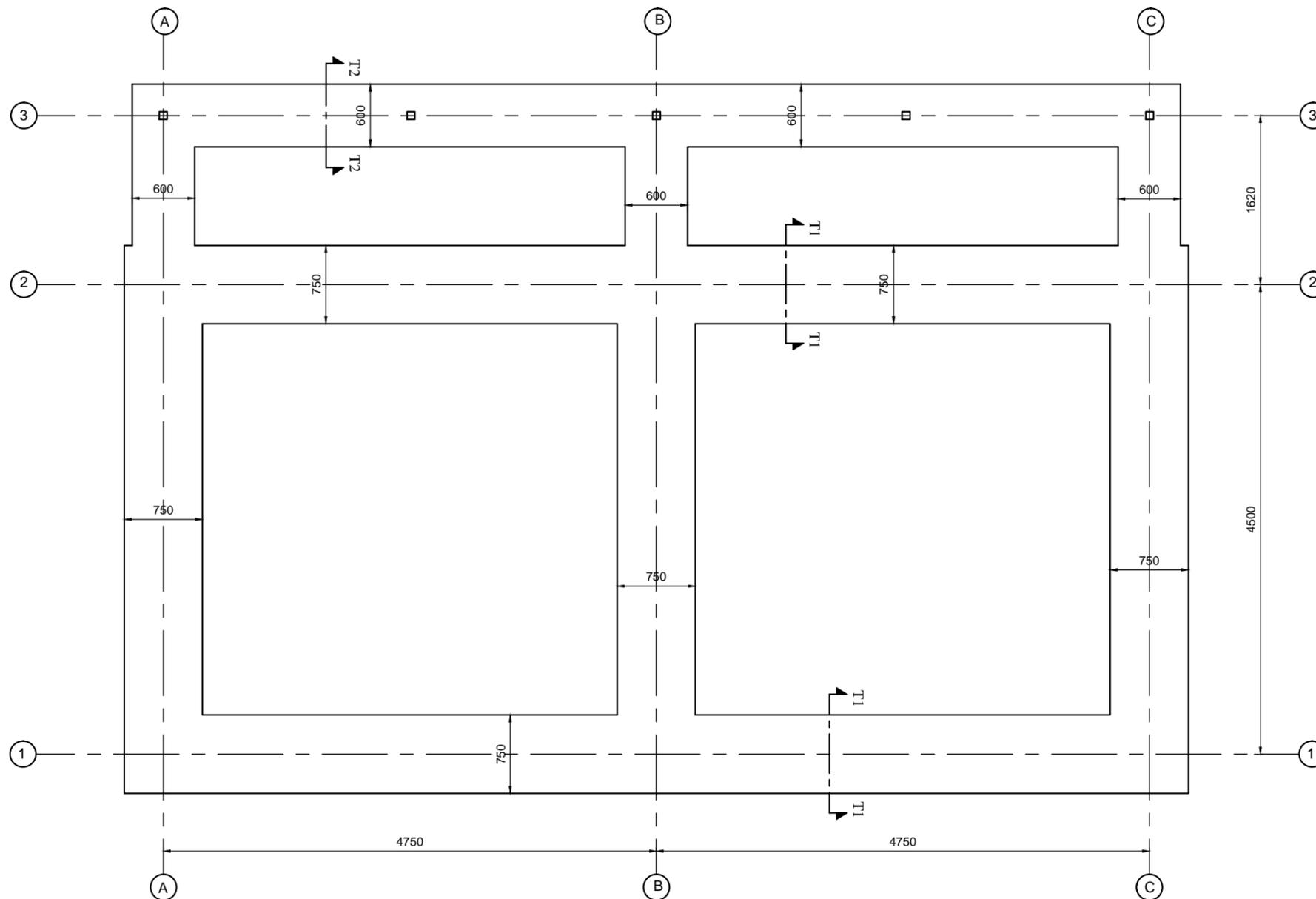
PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF SIZE  
245X245X100 MM FOR TWO  
CLASSROOMS BLOCK TYPE DESIGN

PROJECT LOCATION:  
NEPAL

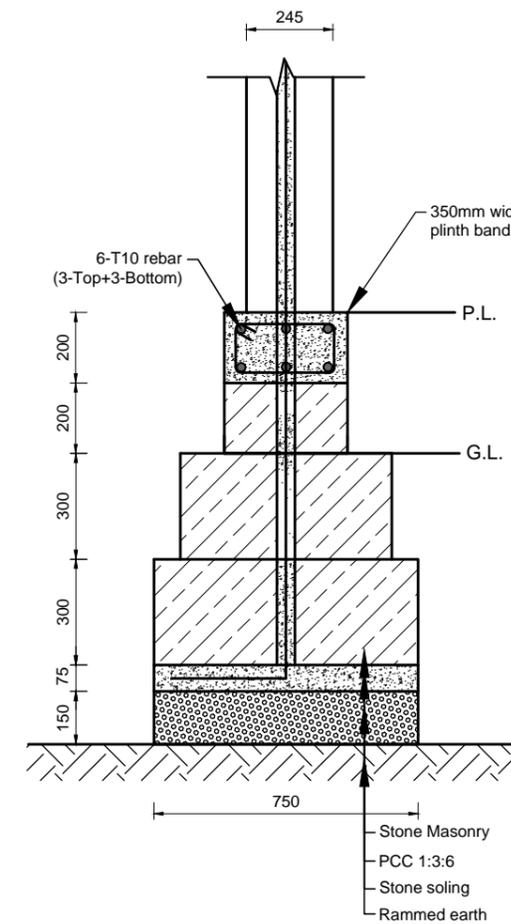
DRAWING:  
SECTION ELEVATION  
& DOOR/WINDOW DETAILS

DATE: 11.06.2017  
SCALE: 1:50

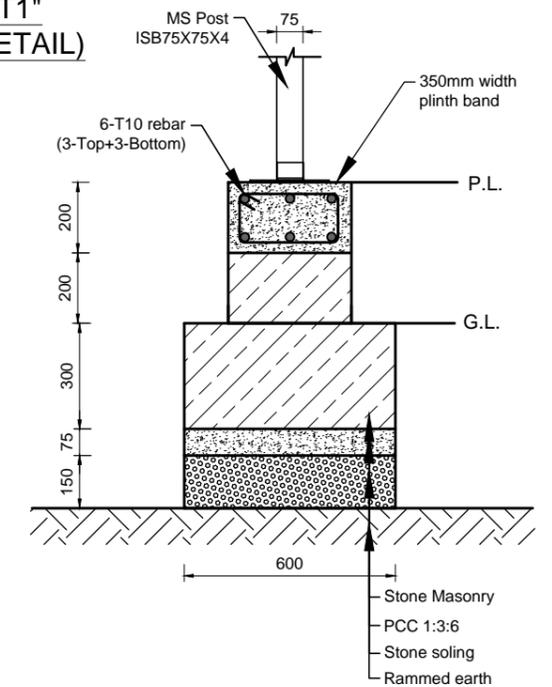
DWG. NO.  
**004**  
**A**



TRENCH PLAN  
Scale = 1:50



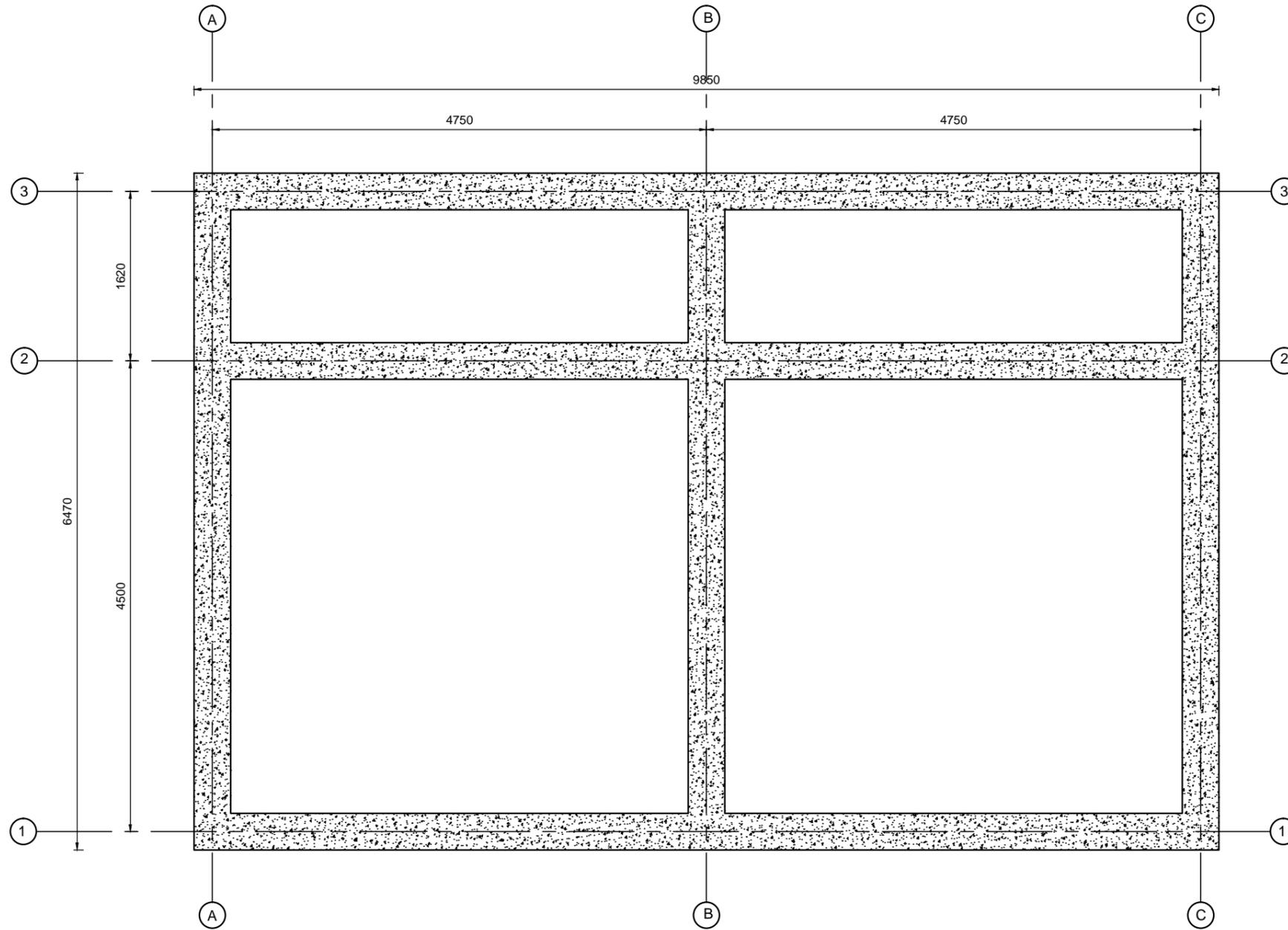
SECTION "T1-T1"  
(FOUNDATION DETAIL)  
Scale = 1:20



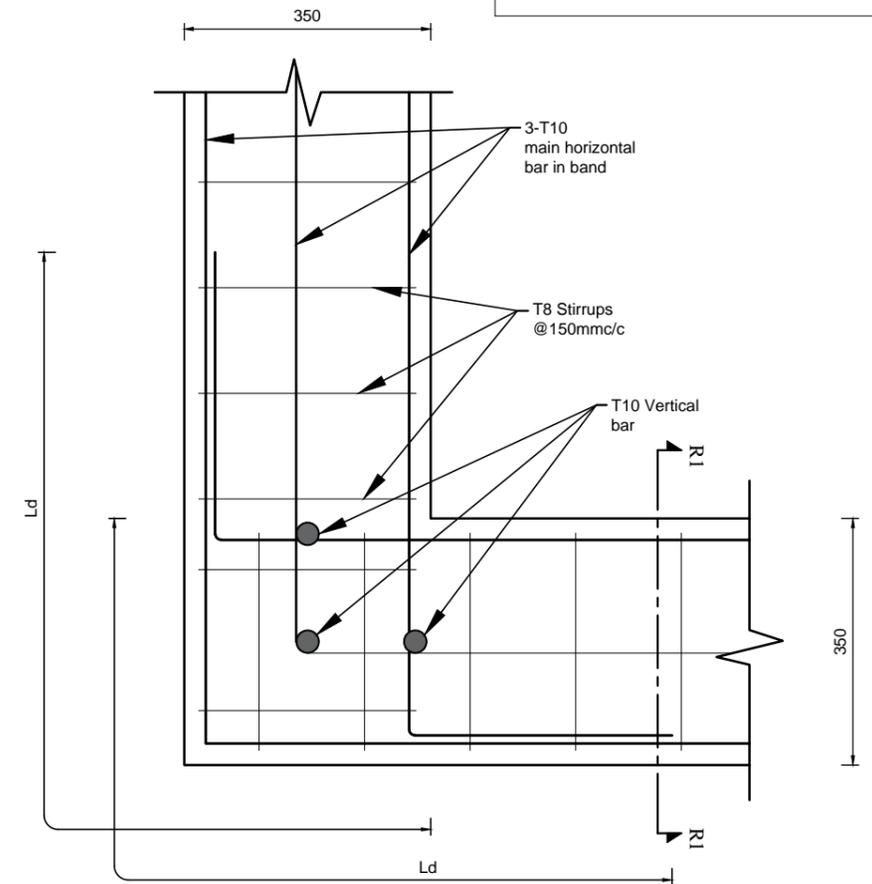
SECTION "T2-T2"  
(FOUNDATION DETAIL)  
Scale = 1:20

- GENERAL NOTES:
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**PLINTH BAND PLAN**  
Scale =1:50



**BAND DETAIL AT CORNER**  
**(PLINTH BAND)**  
Scale =1:10



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
TWO CLASSROOMS BLOCK  
TYPE DESIGN

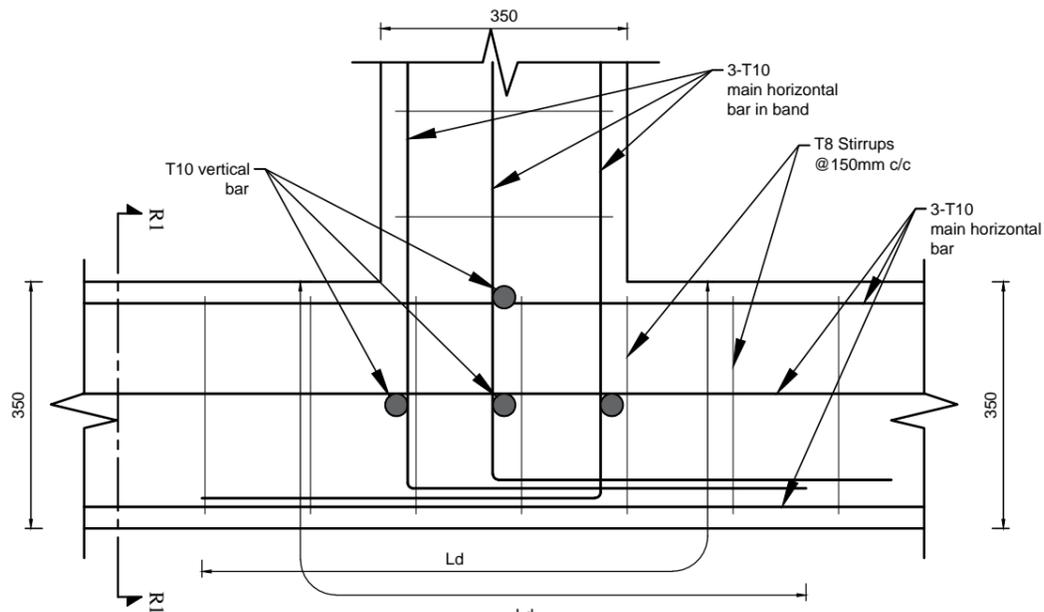
PROJECT LOCATION:  
NEPAL

STRUCTURAL DESIGN BY:  
RESILIENT STRUCTURES PVT. LTD.  
KATHMANDU, NEPAL

DRAWING:  
PLINTH BAND PLAN  
AND DETAILS

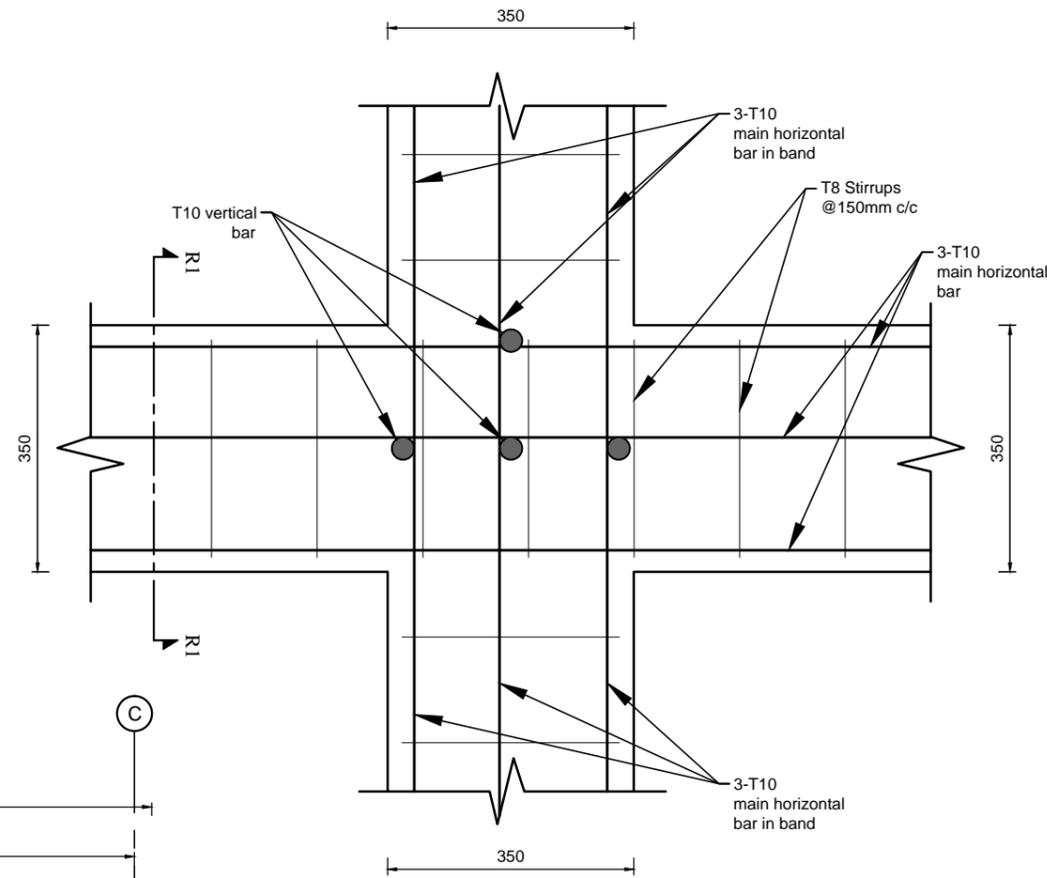
DATE: 11.06.2017  
SCALE:

DWG. NO.  
**002**  
**S**



**BAND DETAIL AT T-JUNCTION (PLINTH BAND)**

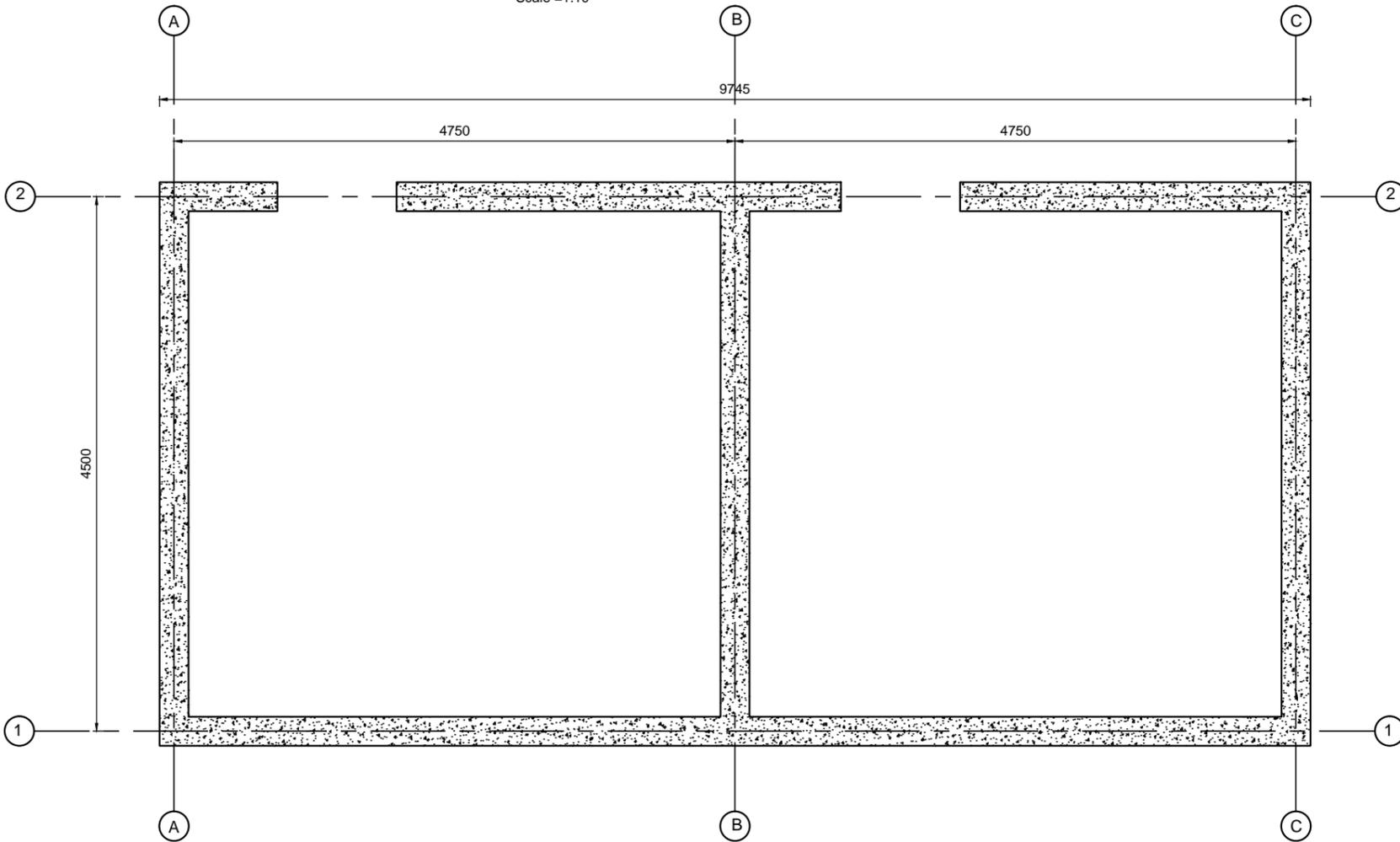
Scale =1:10



**BAND DETAIL AT "+" JUNCTION (PLINTH BAND)**

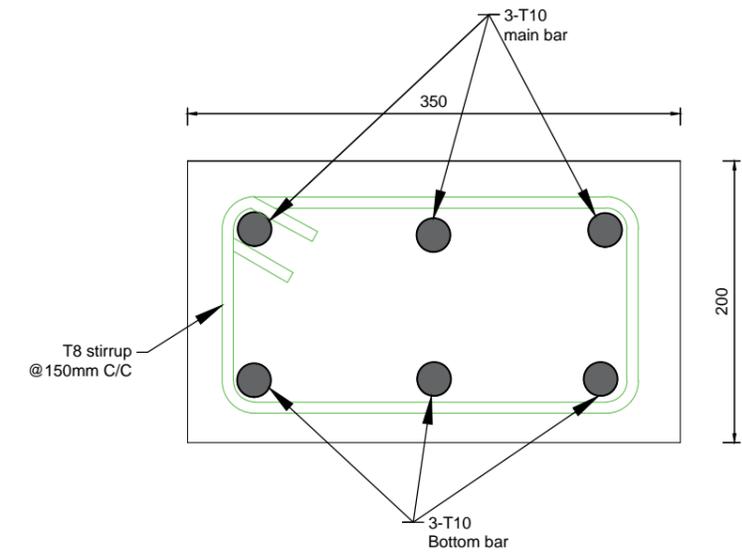
Scale =1:10

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**SILL BAND PLAN**

Scale =1:50



**SECTION "R1-R1" DETAIL**

Scale =1:5



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
TWO CLASSROOMS BLOCK  
TYPE DESIGN

PROJECT LOCATION:  
NEPAL

STRUCTURAL DESIGN BY:  
RESILIENT STRUCTURES PVT. LTD.  
KATHMANDU, NEPAL

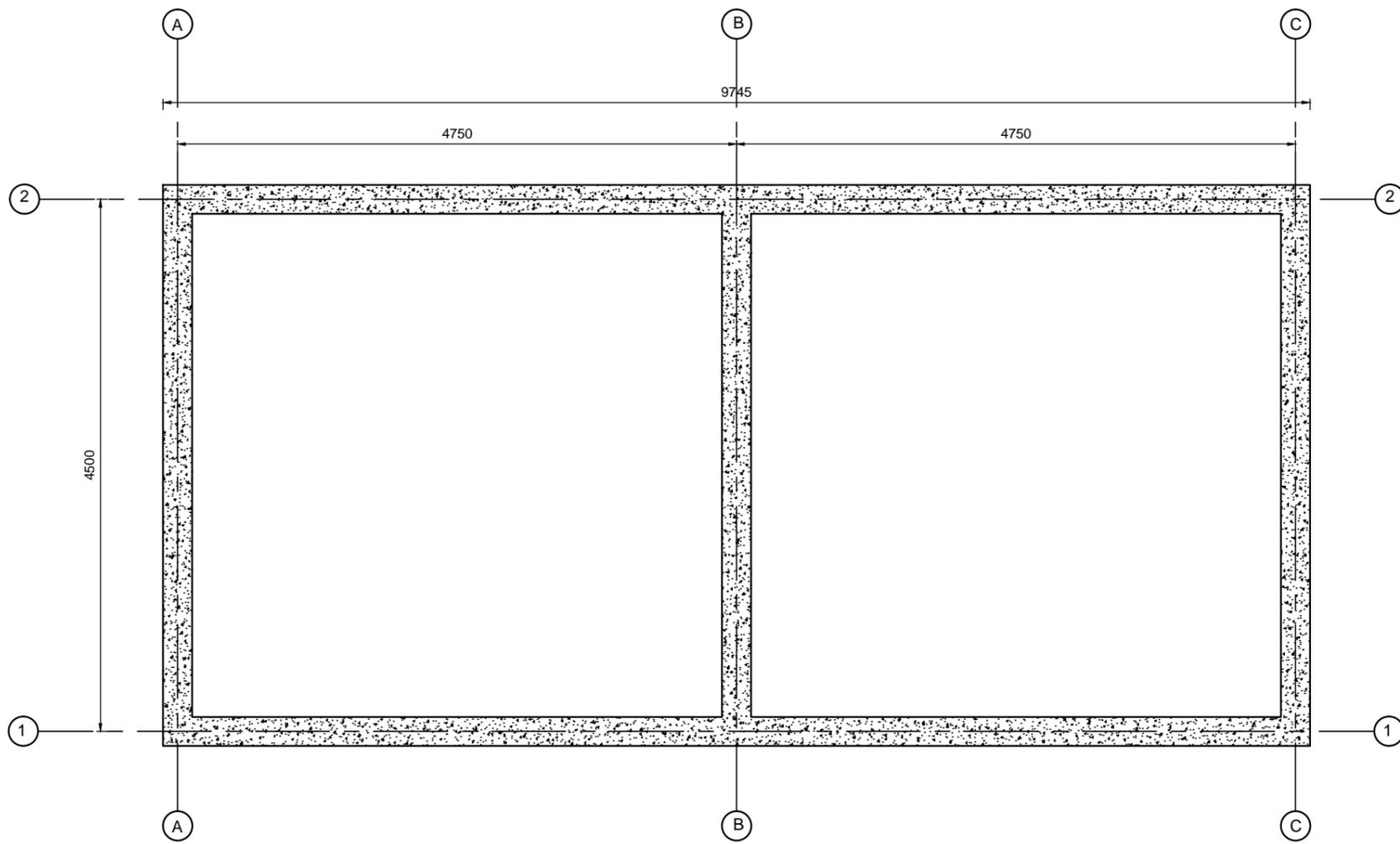
DRAWING:  
PLINTH BAND DETAILS  
AND SILL BAND PLAN

DATE: 11.06.2017

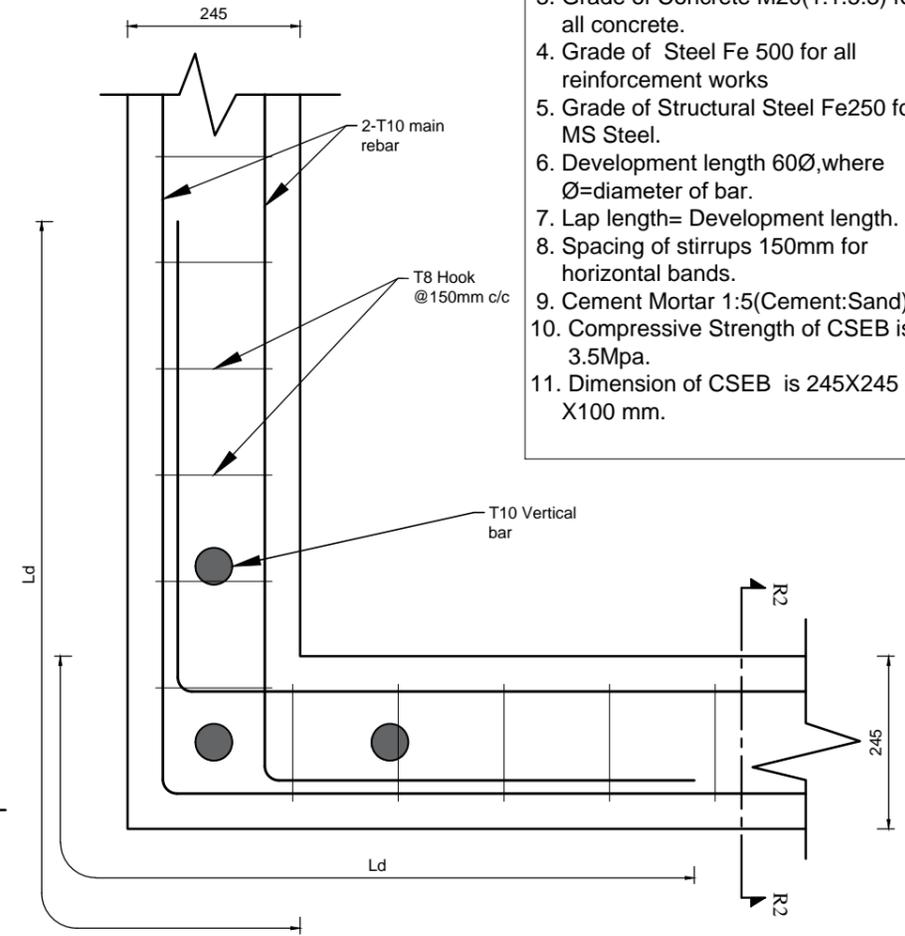
SCALE:

DWG. NO.  
**003**  
**S**

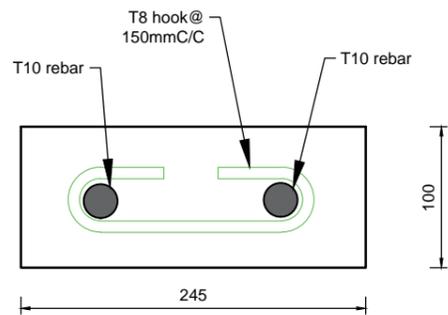
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



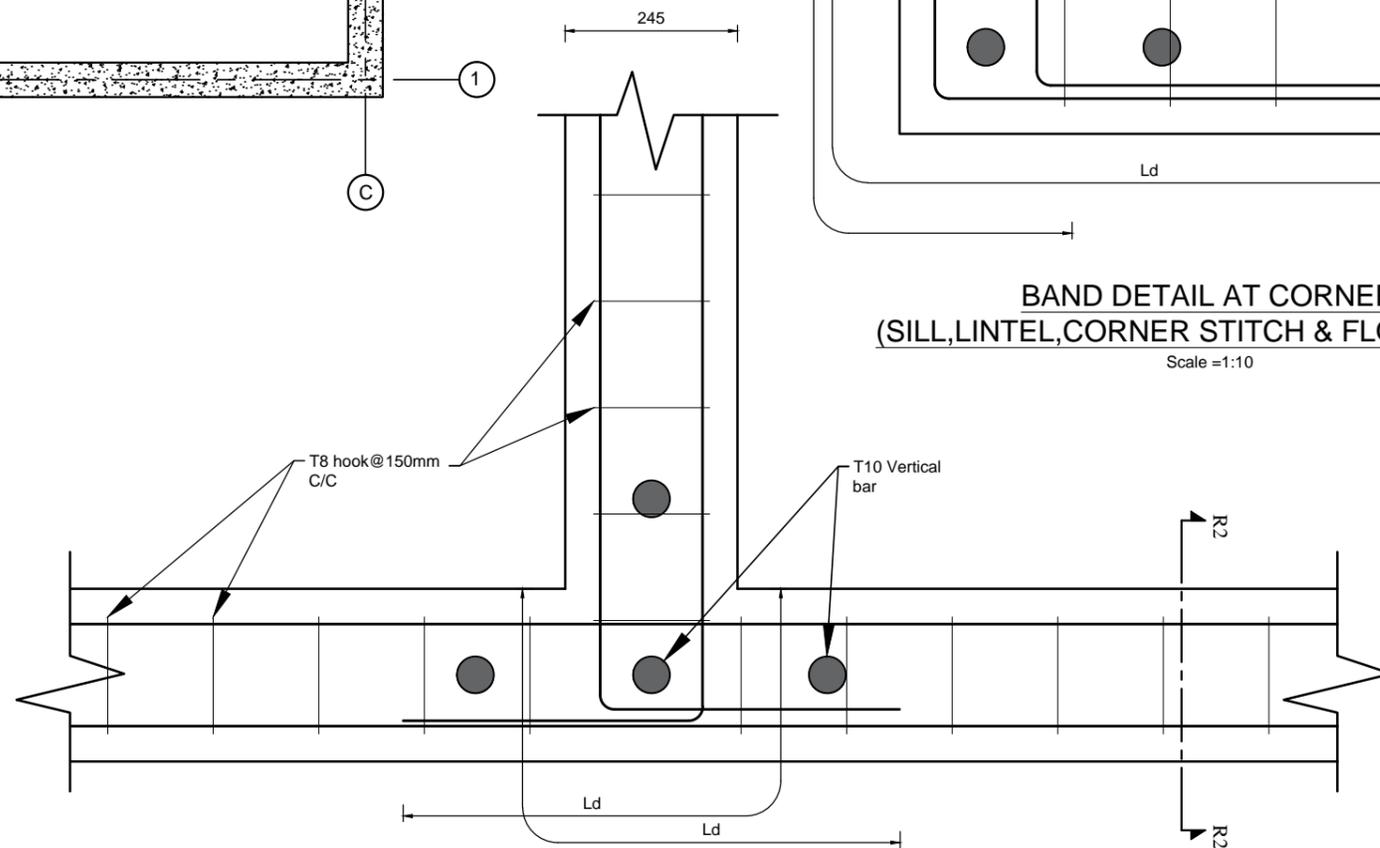
**LINTEL & FLOOR BAND PLAN**  
Scale =1:50



**BAND DETAIL AT CORNER**  
(SILL,LINTEL,CORNER STITCH & FLOOR BAND)  
Scale =1:10



**SECTION "R2-R2" DETAIL**  
Scale =1:5



**BAND DETAIL AT "T" JUNCTION**  
(SILL,LINTEL,CORNER STITCH & FLOOR BAND)  
Scale =1:10



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
TWO CLASSROOMS BLOCK  
TYPE DESIGN

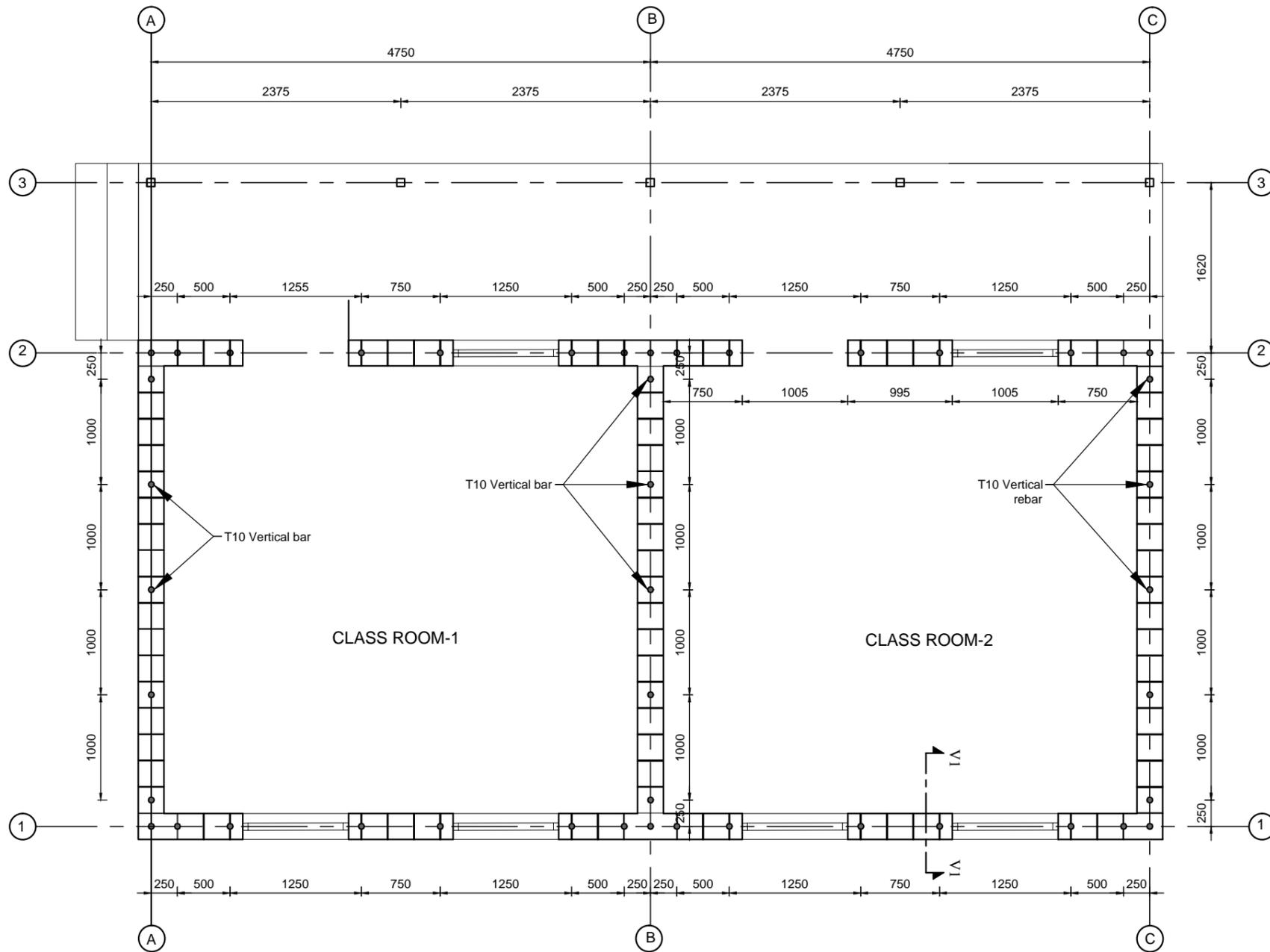
PROJECT LOCATION:  
NEPAL

STRUCTURAL DESIGN BY:  
RESILIENT STRUCTURES PVT. LTD.  
KATHMANDU, NEPAL

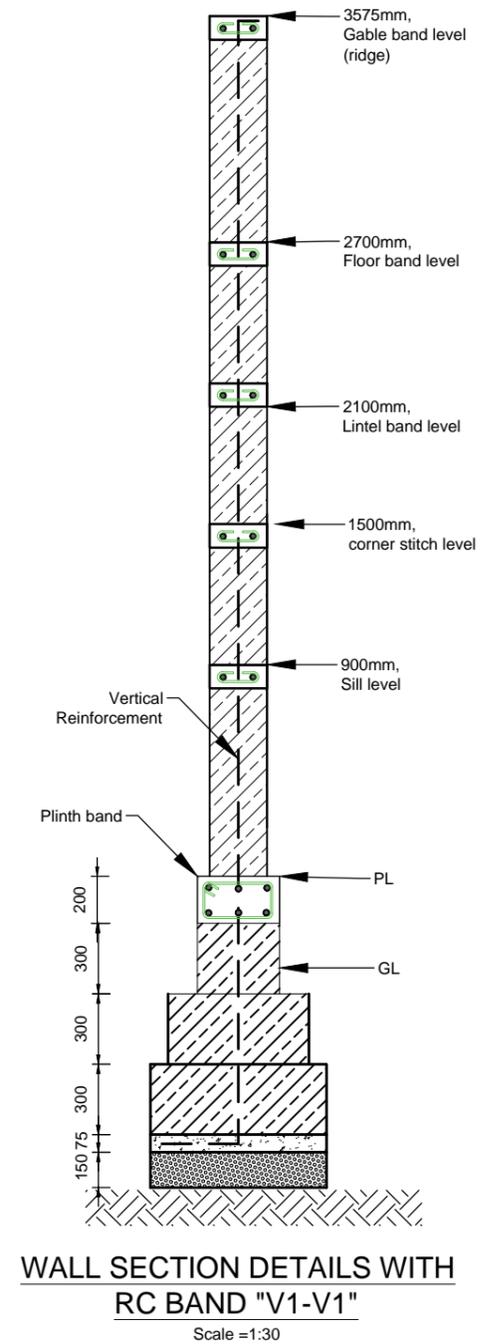
DRAWING:  
LINTEL BAND PLAN  
AND DETAILS

DATE: 11.06.2017  
SCALE:

DWG. NO.  
**004**  
**S**

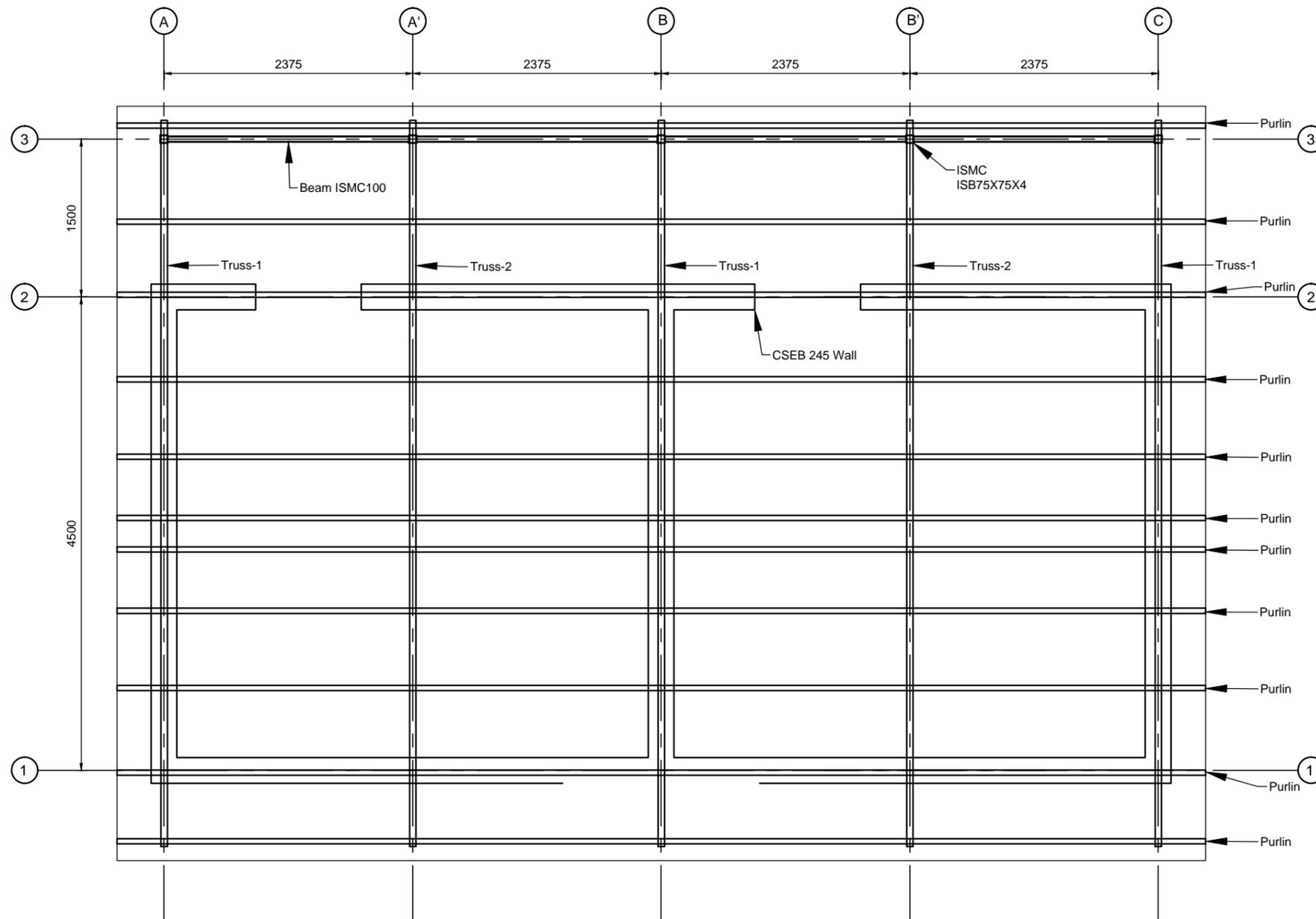


**VERTICAL REINFORCEMENT DETAIL**  
Scale =1:50



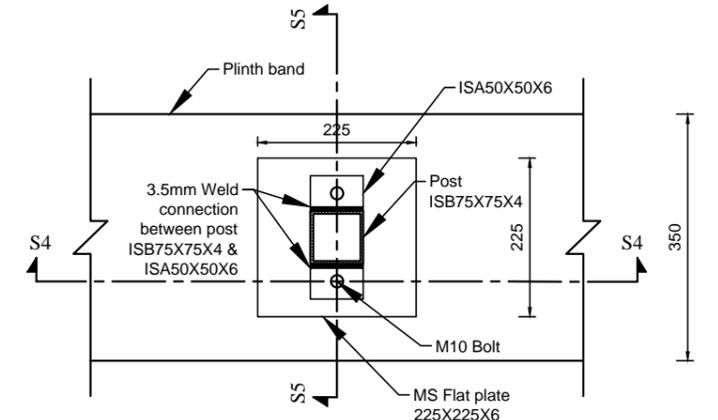
**WALL SECTION DETAILS WITH RC BAND "V1-V1"**  
Scale =1:30

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.

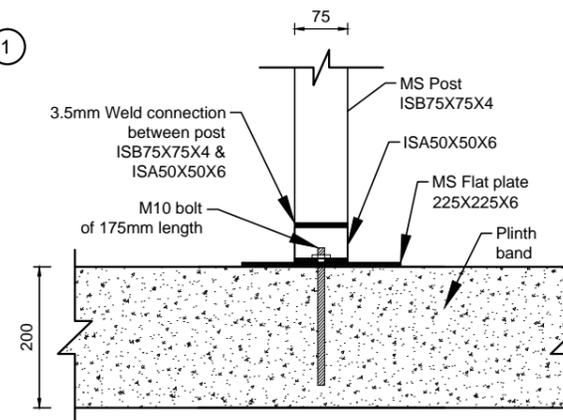


**PURLIN & TRUSS DETAILS**  
Scale = 1:50

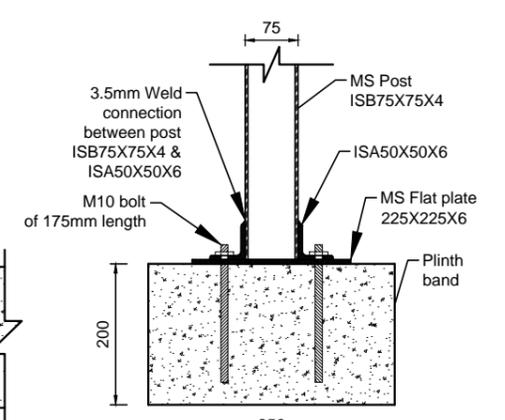
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**PLINTH BAND & METAL POST CONNECTION DETAILS**  
Scale = 1:10

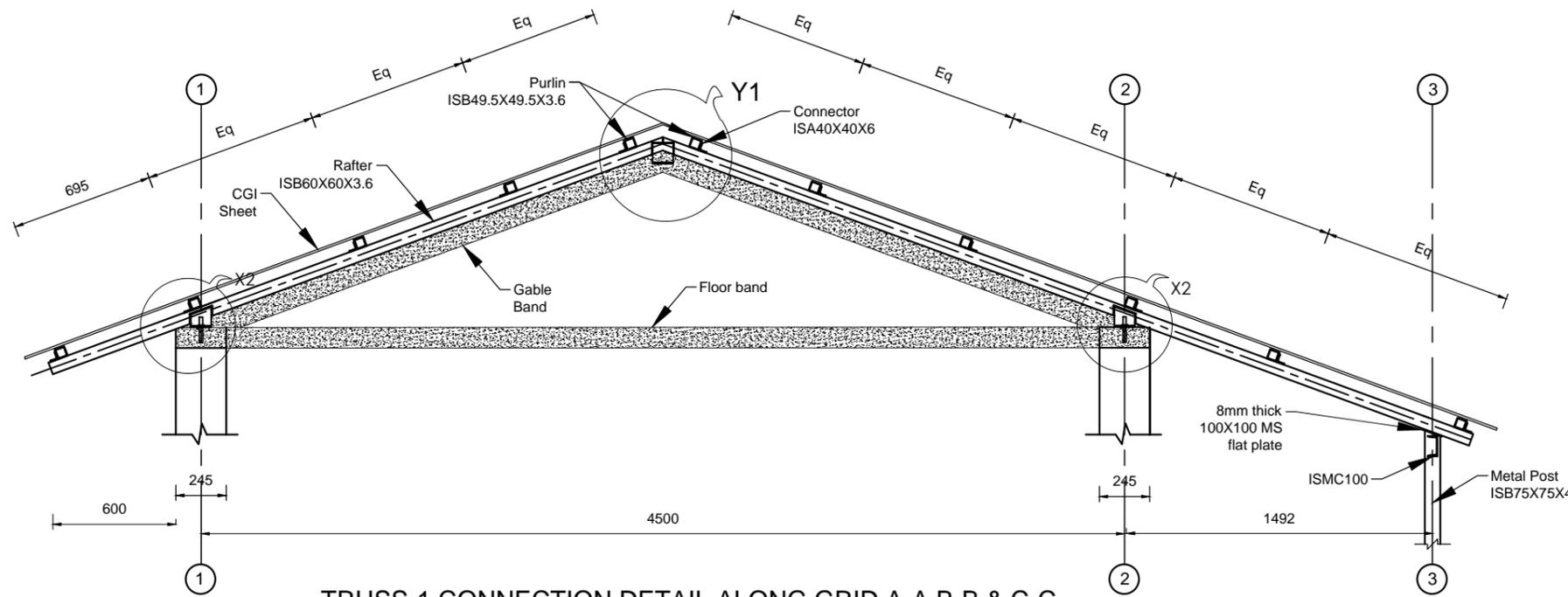


**SECTION DETAILS "S4-S4"**  
Scale = 1:10

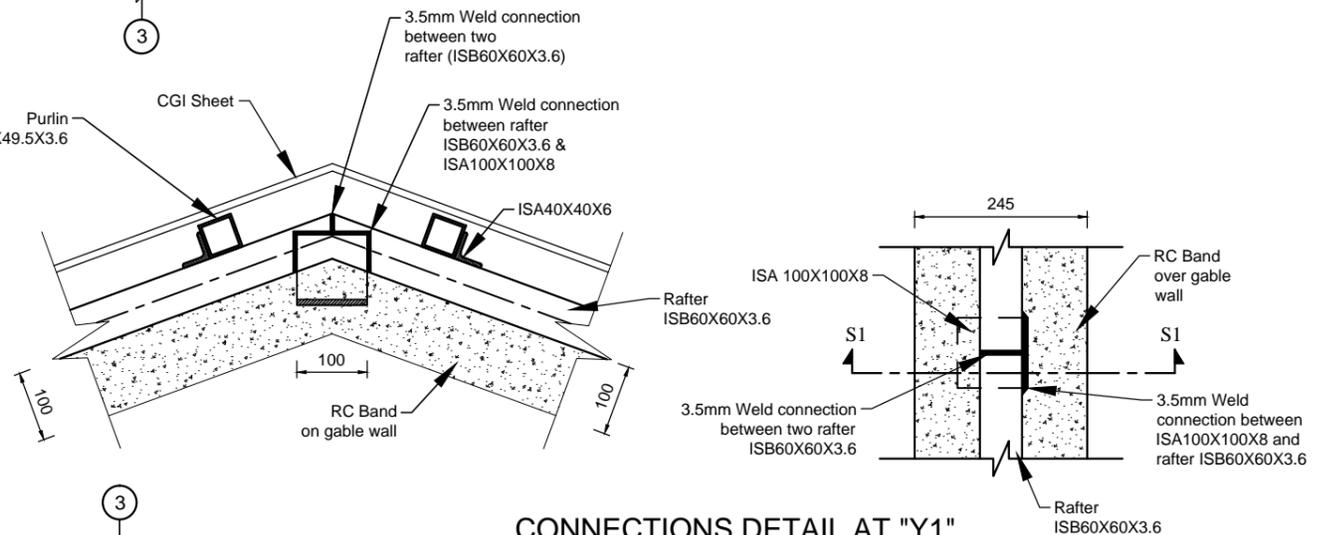


**SECTION DETAILS "S5-S5"**  
Scale = 1:10

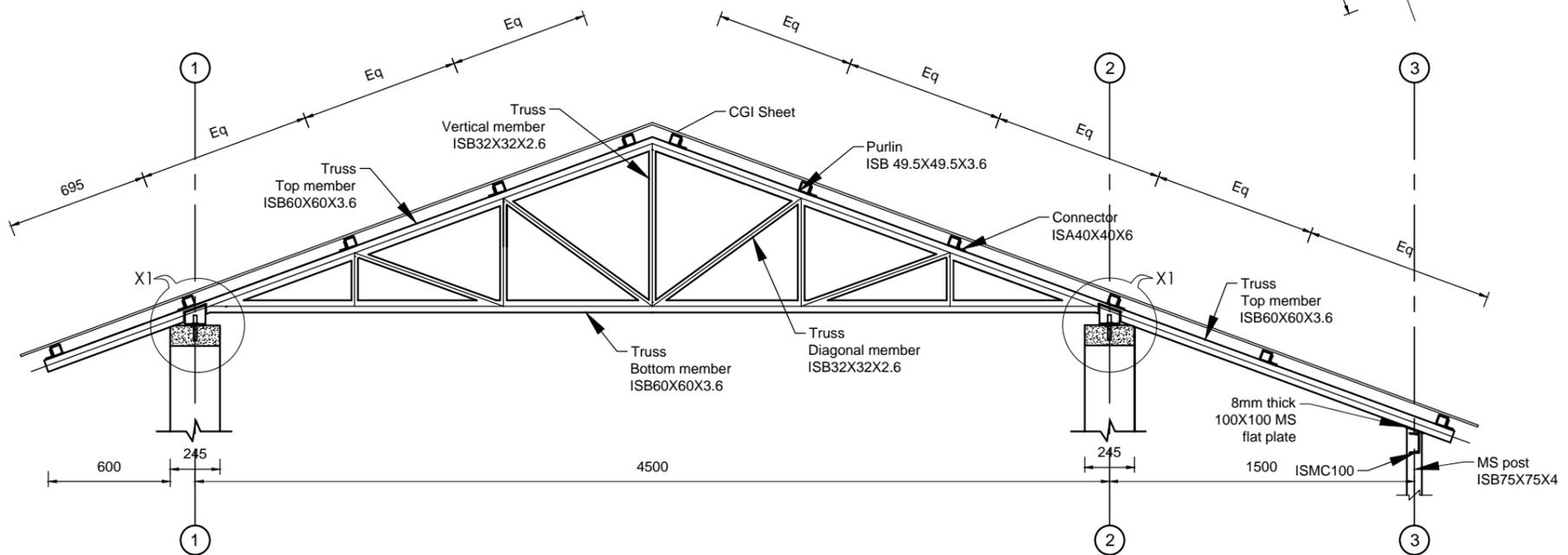
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



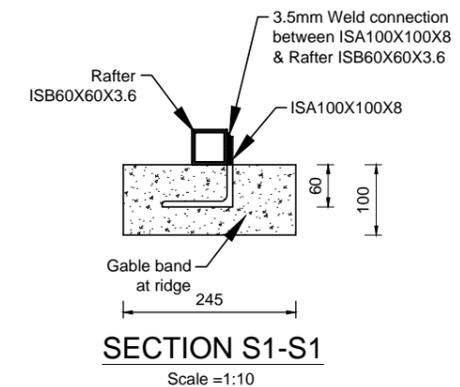
**TRUSS-1 CONNECTION DETAIL ALONG GRID A-A, B-B & C-C**  
Scale =1:30



**CONNECTIONS DETAIL AT "Y1" (RIDGE POINT)**  
Scale =1:10



**TRUSS-2 DETAILS ALONG GRID A'-A' & B'-B'**  
Scale =1:30



**SECTION S1-S1**  
Scale =1:10

**BUILD UP NEPAL**  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

**PROJECT TITLE:**  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
TWO CLASSROOMS BLOCK  
TYPE DESIGN

**PROJECT LOCATION:**  
NEPAL

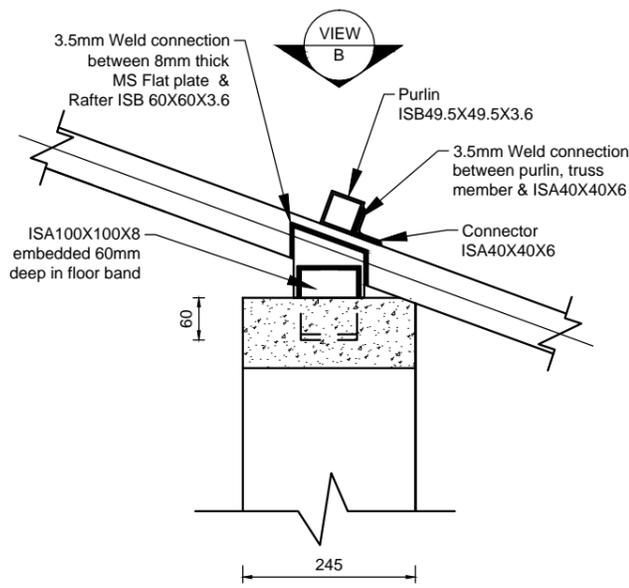
**STRUCTURAL DESIGN BY:**  
RESILIENT STRUCTURES PVT. LTD.  
KATHMANDU, NEPAL

**DRAWING:**  
TRUSS SECTION  
DETAILS AND  
CONNECTION DETAILS

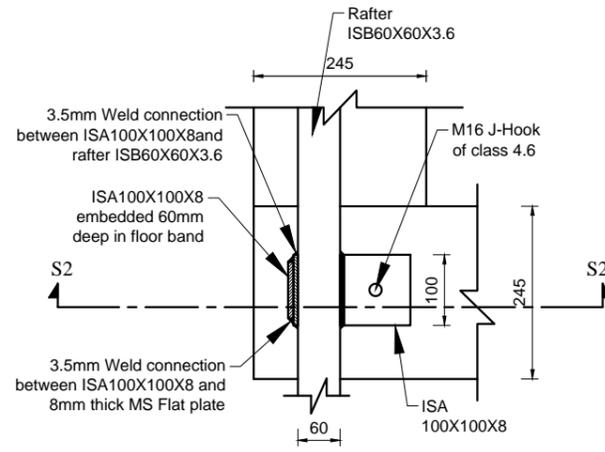
**DATE:** 11.06.2017

**SCALE:**

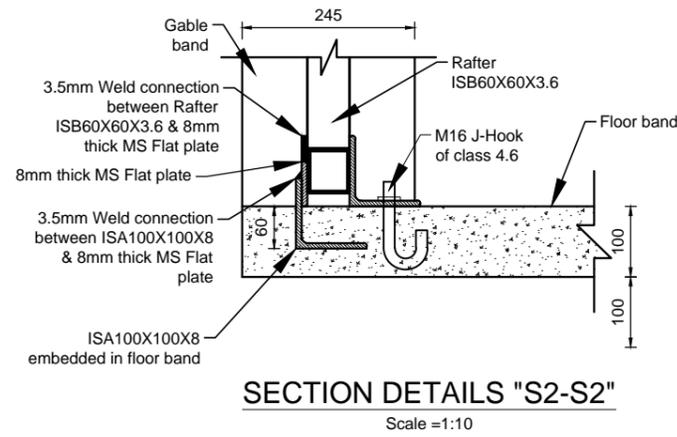
**DWG. NO.**  
**007**  
**S**



**CONNECTIONS DETAIL "X2"**  
 (TRUSS-1 & FLOOR BAND ALONG GRID A-A & C-C)  
 Scale =1:10

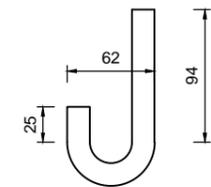


**"VIEW B" DETAILS (PLAN)**  
 Scale =1:10

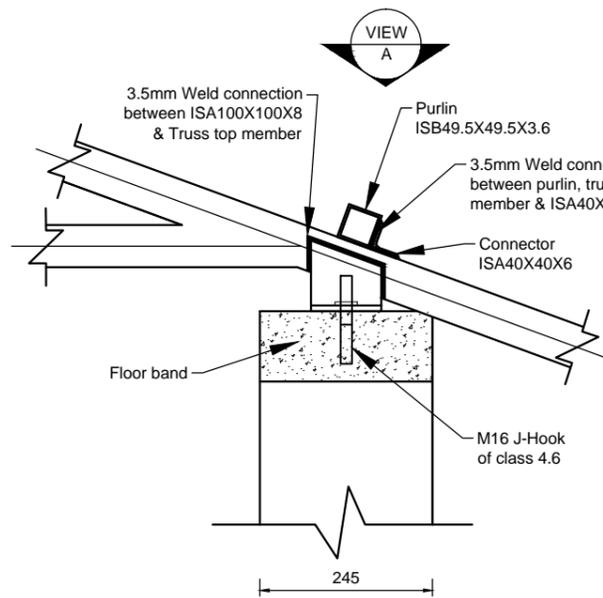


**SECTION DETAILS "S2-S2"**  
 Scale =1:10

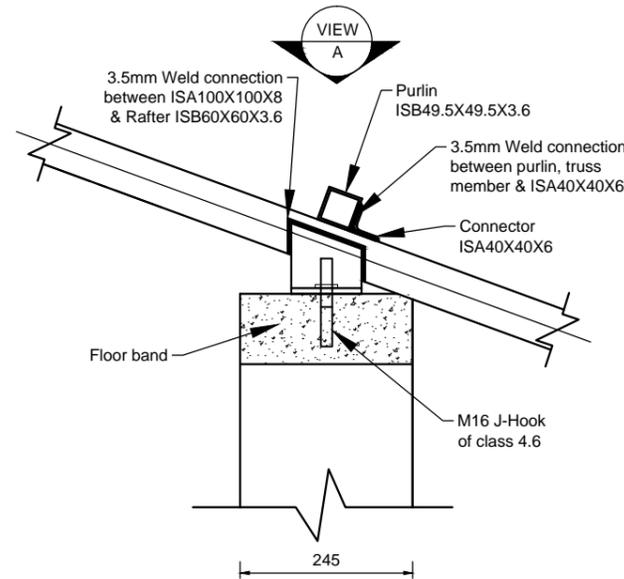
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



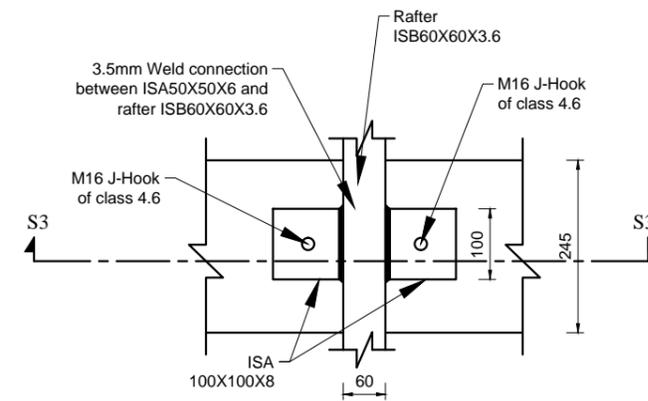
**J-HOOK DETAILS**  
 Scale =1:5



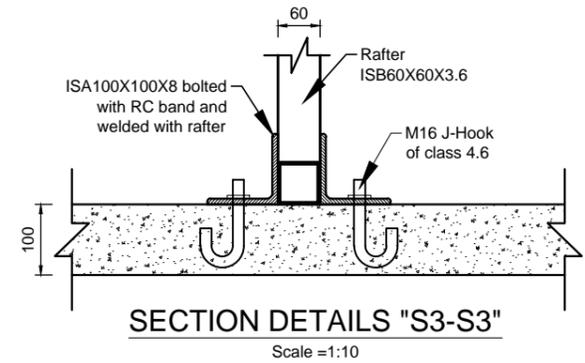
**CONNECTIONS DETAIL "X1"**  
 (TRUSS-2 & FLOOR BAND ALONG GRID A'-A' & B'-B')  
 Scale =1:10



**CONNECTIONS DETAIL "X2"**  
 (TRUSS-1 & FLOOR BAND ALONG GRID B-B)  
 Scale =1:10



**"VIEW A" DETAILS (PLAN)**  
 Scale =1:10



**SECTION DETAILS "S3-S3"**  
 Scale =1:10



BUILD UP NEPAL  
 THADO DHUNGA-3  
 JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
 SCHOOL IN AURAM CSEB OF  
 SIZE 245X245X100 MM FOR  
 TWO CLASSROOMS BLOCK  
 TYPE DESIGN

PROJECT LOCATION:  
 NEPAL

STRUCTURAL DESIGN BY:  
 RESILIENT STRUCTURES PVT. LTD.  
 KATHMANDU, NEPAL

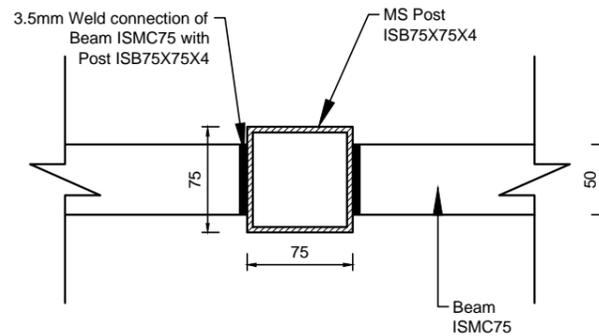
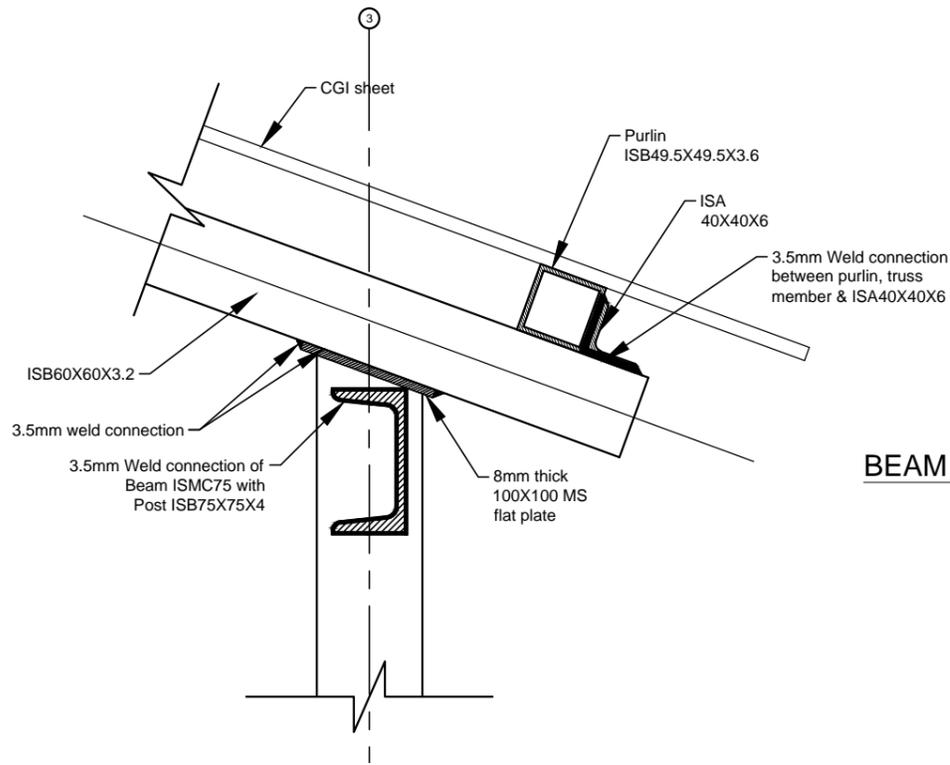
DRAWING:  
 PURLIN, RAFTER,  
 TRUSS & BAND  
 CONNECTION DETAILS

DATE: 11.06.2017

SCALE:

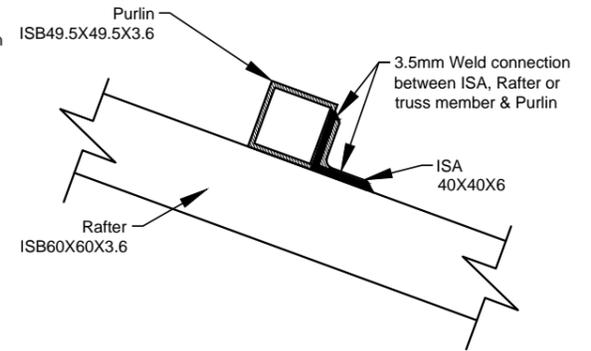
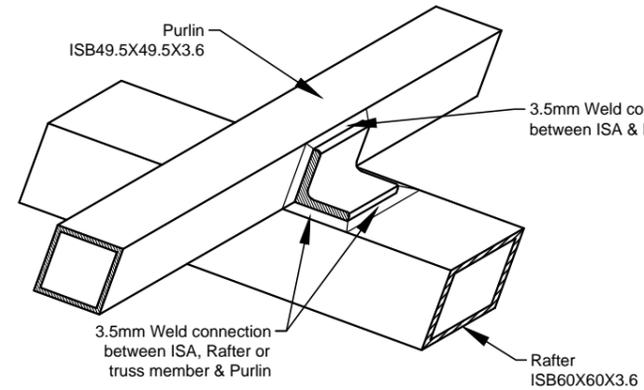
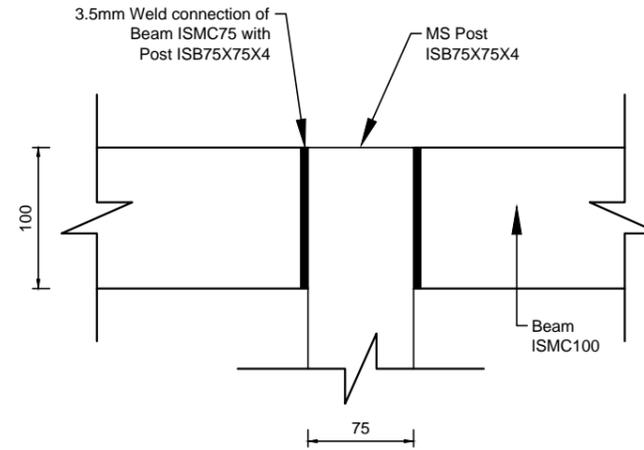
DWG. NO.  
**008**  
**S**

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



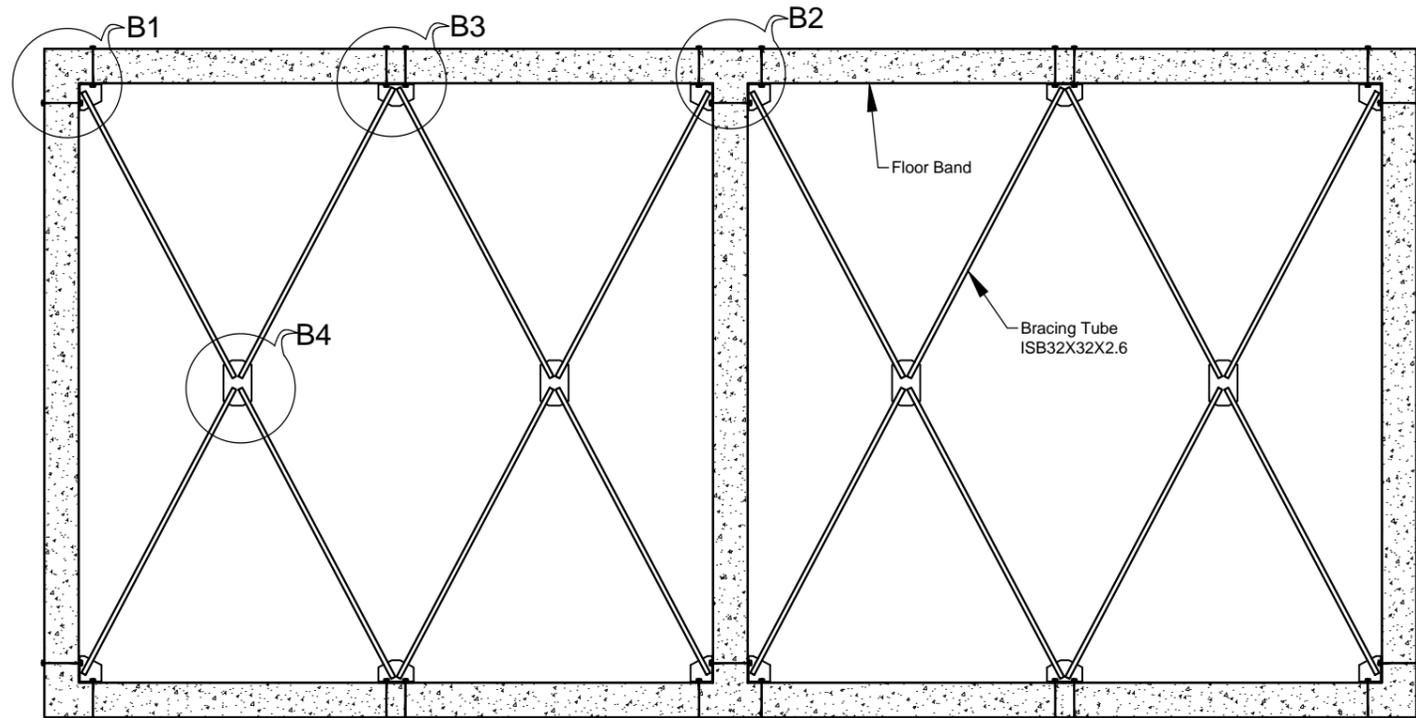
**BEAM AND POST CONNECTION DETAILS**

Scale =1:5



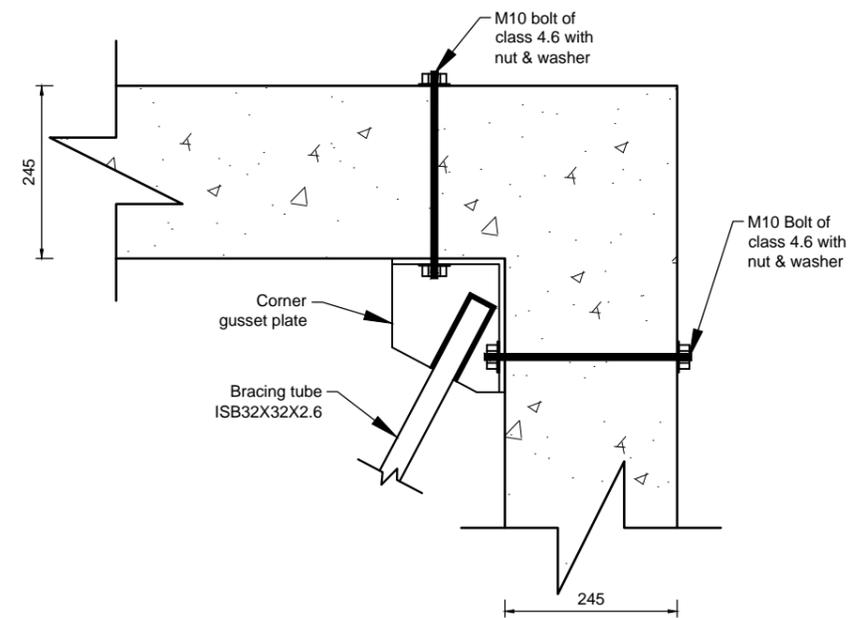
**PURLIN RAFTER CONNECTION DETAILS**

Scale =1:5



**HORIZONTAL BRACING PLAN AT ROOF LEVEL**

Scale =1:50



**BRACING CONNECTION DETAILS "B1"**

Scale =1:10



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
TWO CLASSROOMS BLOCK  
TYPE DESIGN

PROJECT LOCATION:  
NEPAL

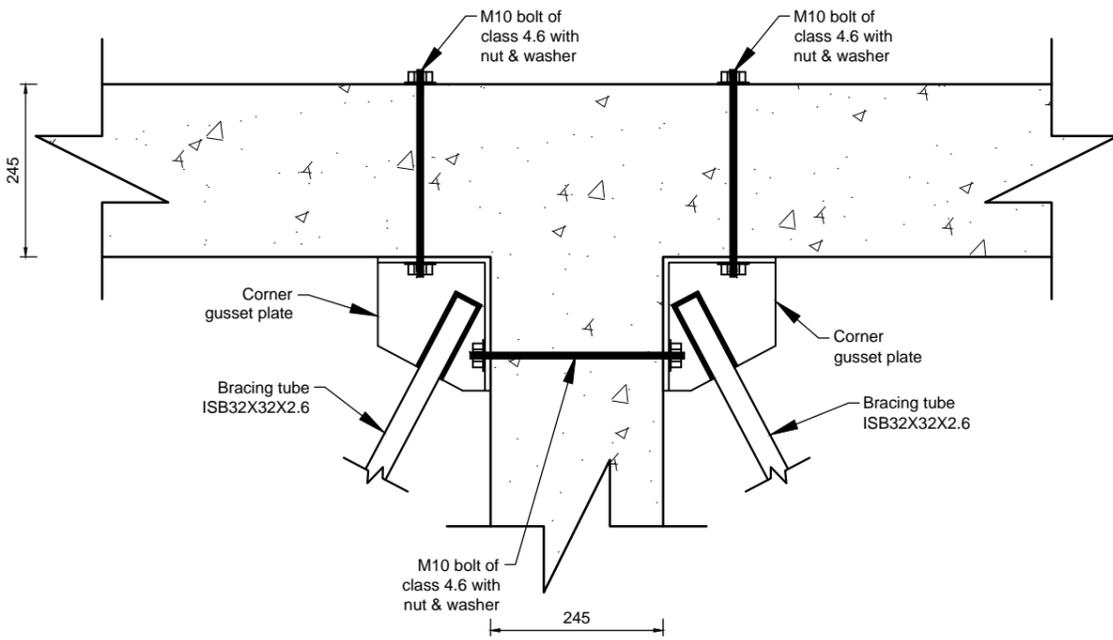
STRUCTURAL DESIGN BY:  
RESILIENT STRUCTURES PVT. LTD.  
KATHMANDU, NEPAL

DRAWING:  
TRUSS, PURLIN,  
RAFTER & BAND  
CONNECTION DETAILS  
BRACING PLAN DETAILS

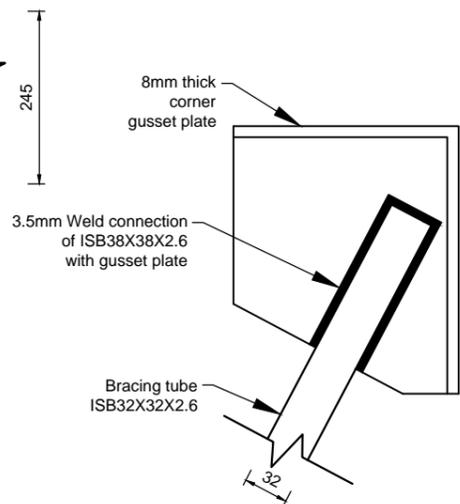
DATE: 11.06.2017

SCALE:

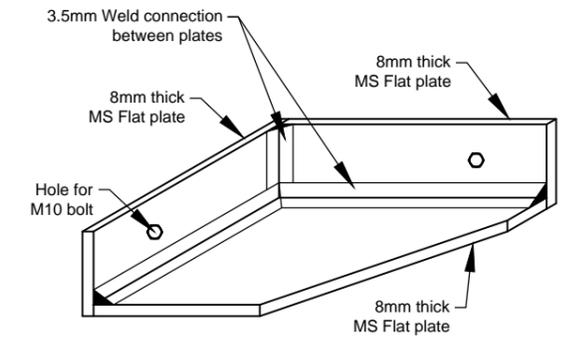
DWG. NO.  
**009**  
**S**



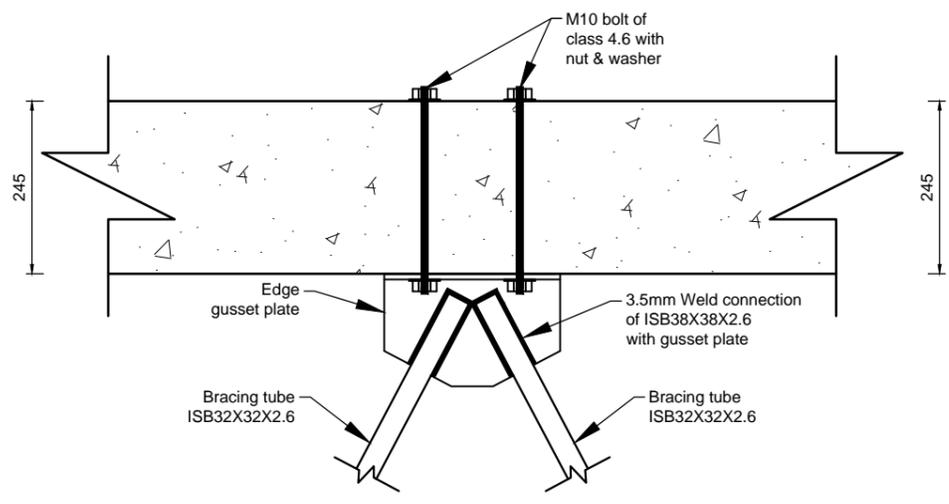
**BRACING CONNECTION DETAILS "B2"**  
Scale = 1:10



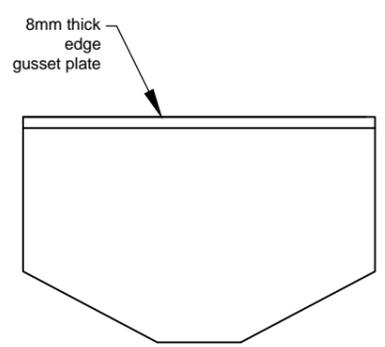
**CORNER GUSSET PLATE DETAILS**  
Scale = 1:5



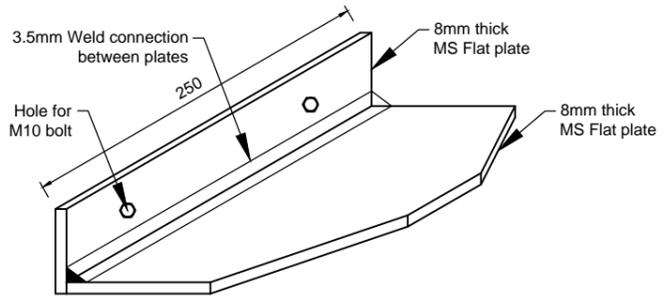
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



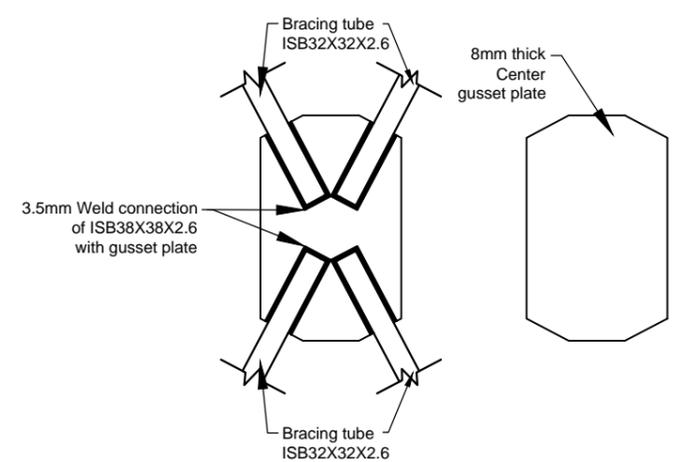
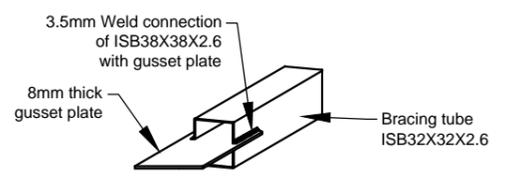
**BRACING CONNECTION DETAILS "B2"**  
Scale = 1:10



**EDGE GUSSET PLATE DETAILS**  
Scale = 1:5

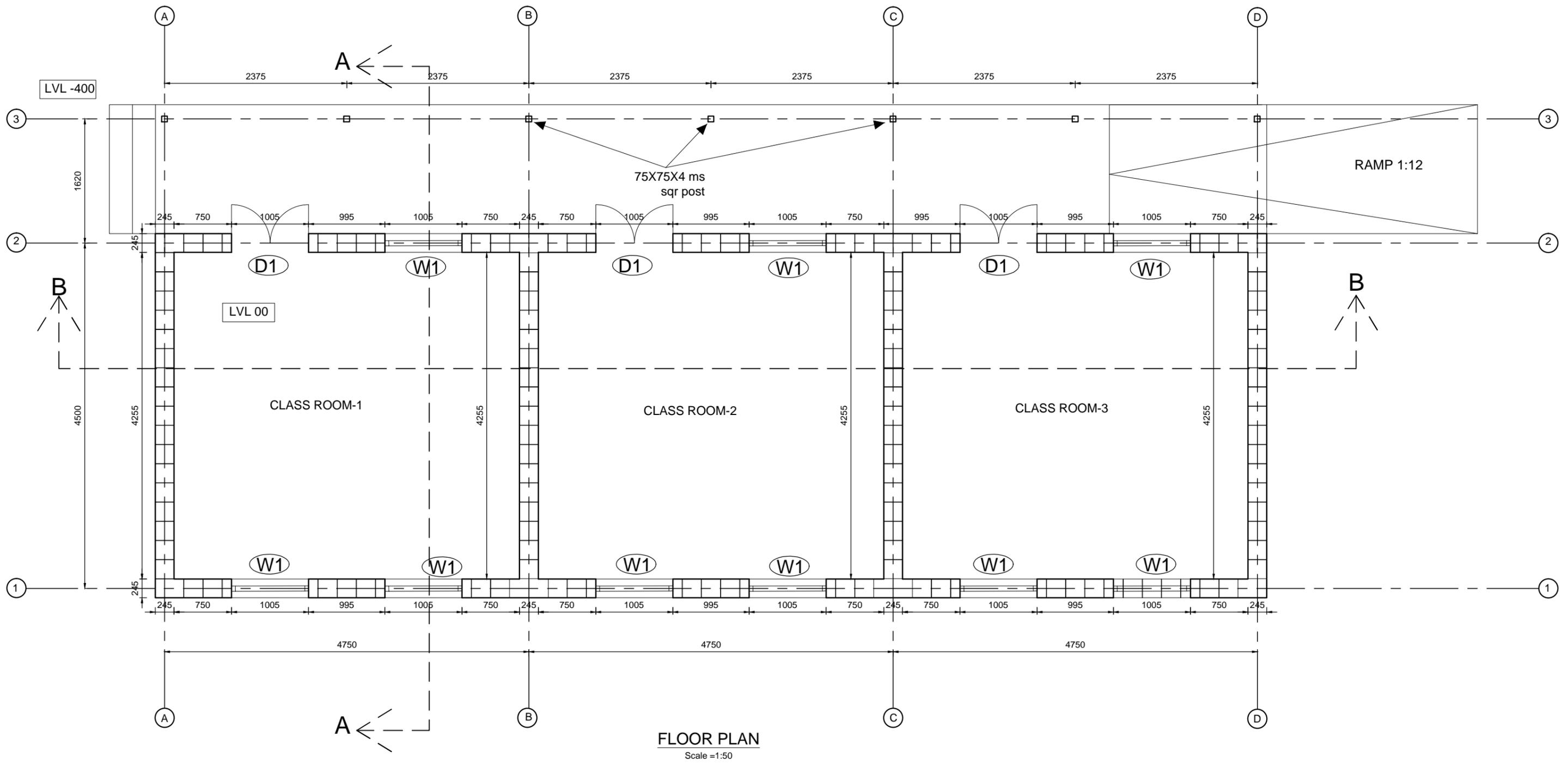


**CONNECTION BETWEEN BRACING TUBE & GUSSET PLATE**  
Scale = 1:5

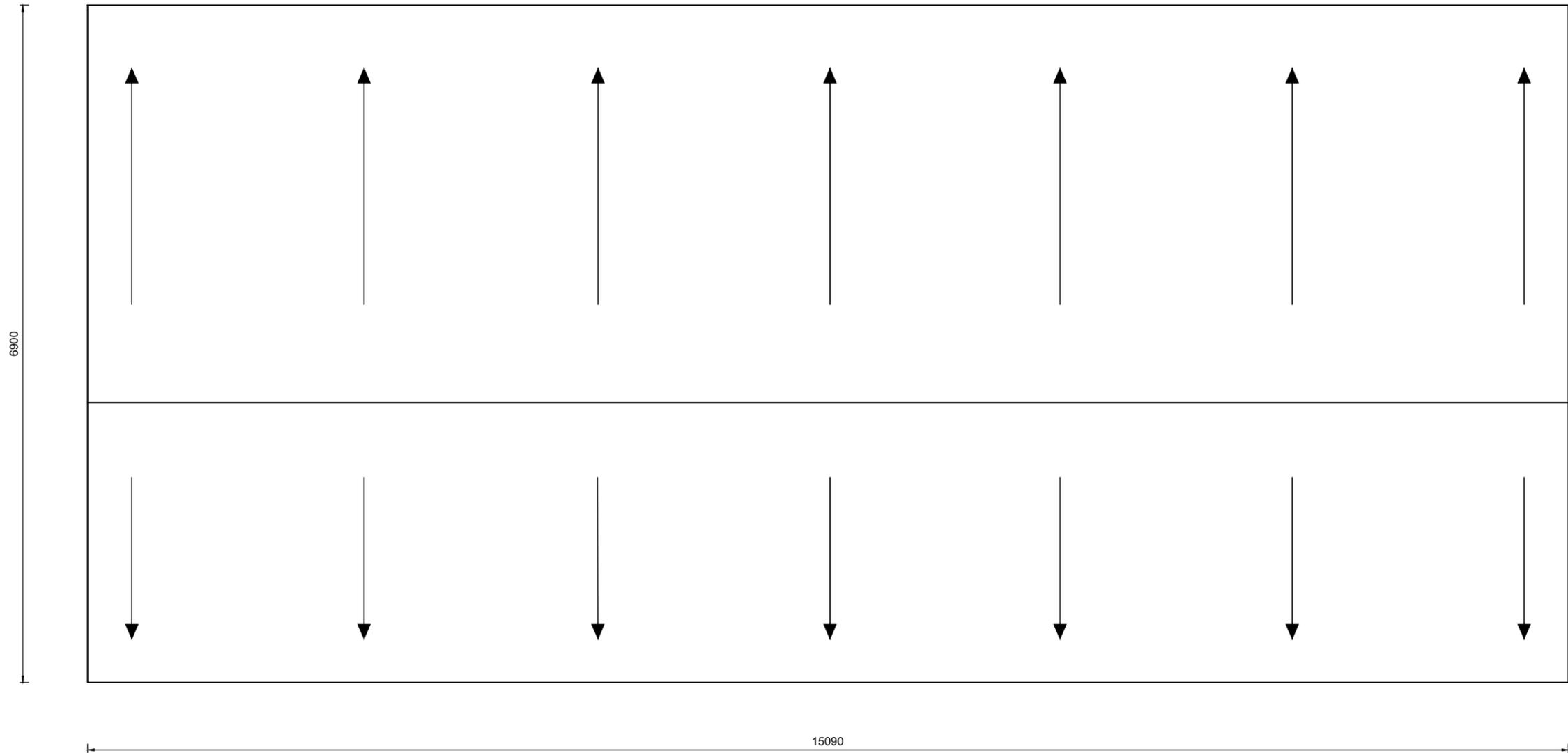


**BRACING CONNECTION DETAILS "B4"**  
Scale = 1:10

**ARCHITECTURAL AND STRUCTURAL DRAWINGS  
OF SINGLE STORIED COMPRESSED STABILISED  
EARTH BLOCK (CSEB) MASONRY SCHOOL  
BUILDING (THREE CLASSROOMS ) HAVING  
BLOCK SIZE 245X245X100 MM**



FLOOR PLAN  
Scale = 1:50



**ROOF PLAN**

Scale = 1:50



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF SIZE  
245X245X100 MM FOR THREE  
CLASSROOMS BLOCK TYPE DESIGN

PROJECT LOCATION:  
NEPAL

DRAWING:  
ROOF PLAN

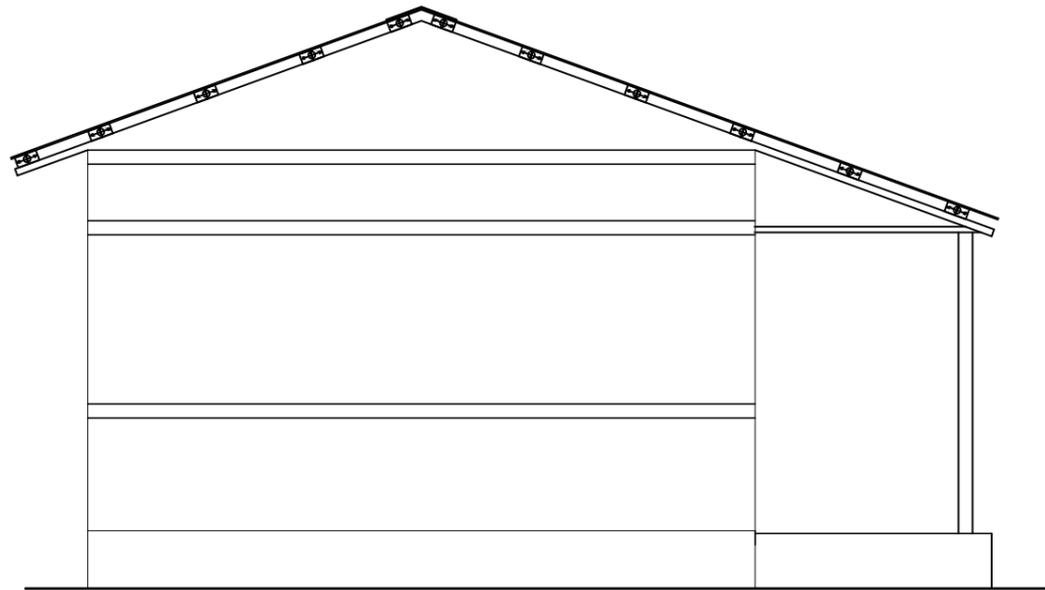
DATE: 11.06.2017

SCALE: 1:50

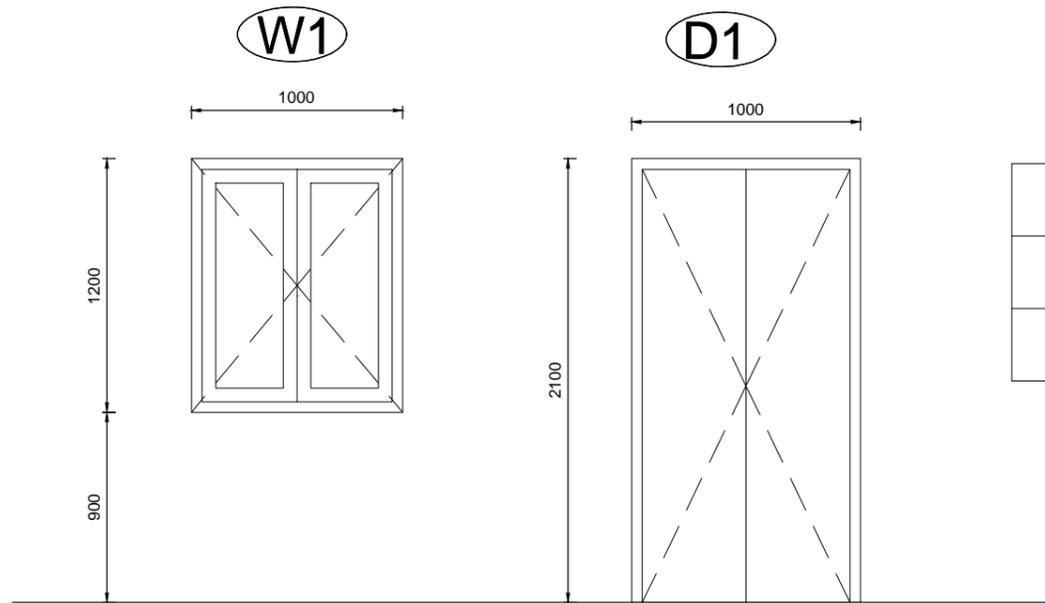
DWG. NO.

**002**

**A**

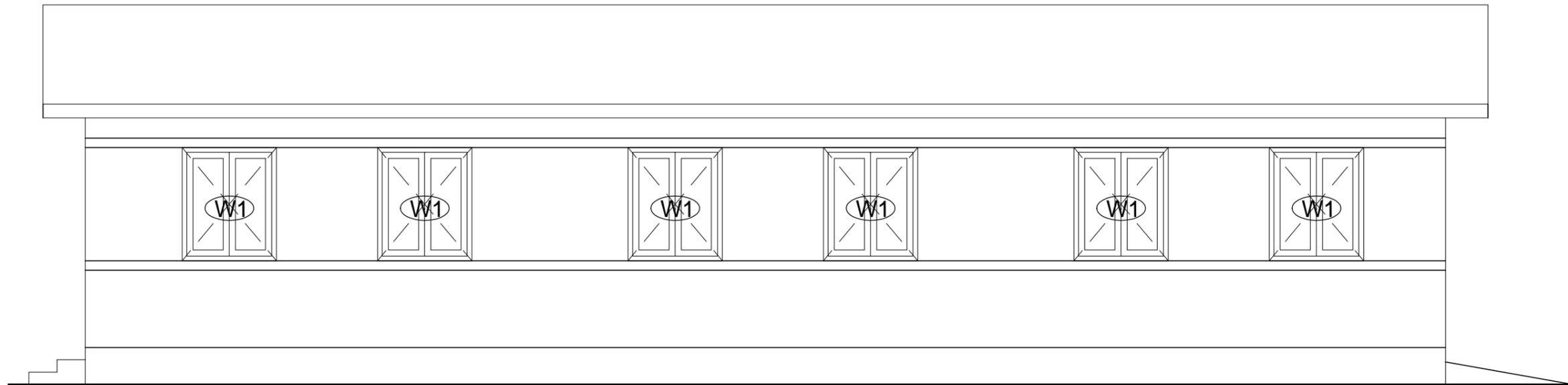


**RIGHT SIDE ELEVATION**  
Scale =1:50



**DOOR/WINDOW DETAIL**  
Scale =1:50

|    | QUANTITY |
|----|----------|
| W1 | 9        |
| D1 | 3        |



**REAR ELEVATION**  
Scale =1:50



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

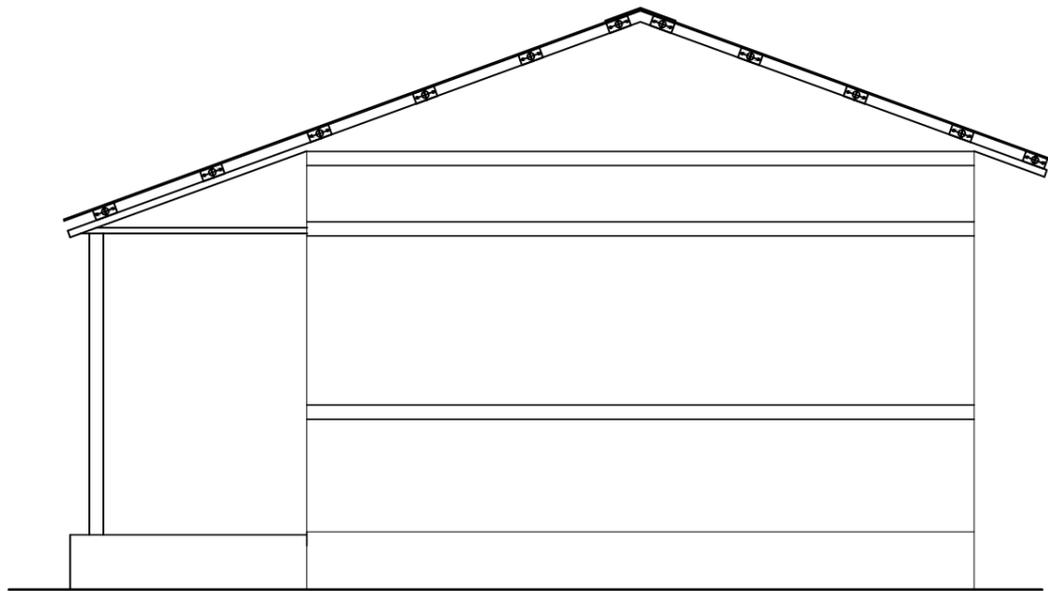
PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF SIZE  
245X245X100 MM FOR THREE  
CLASSROOMS BLOCK TYPE DESIGN

PROJECT LOCATION:  
NEPAL

DRAWING:  
ELEVATIONS &  
DOOR/WINDOW DETAILS

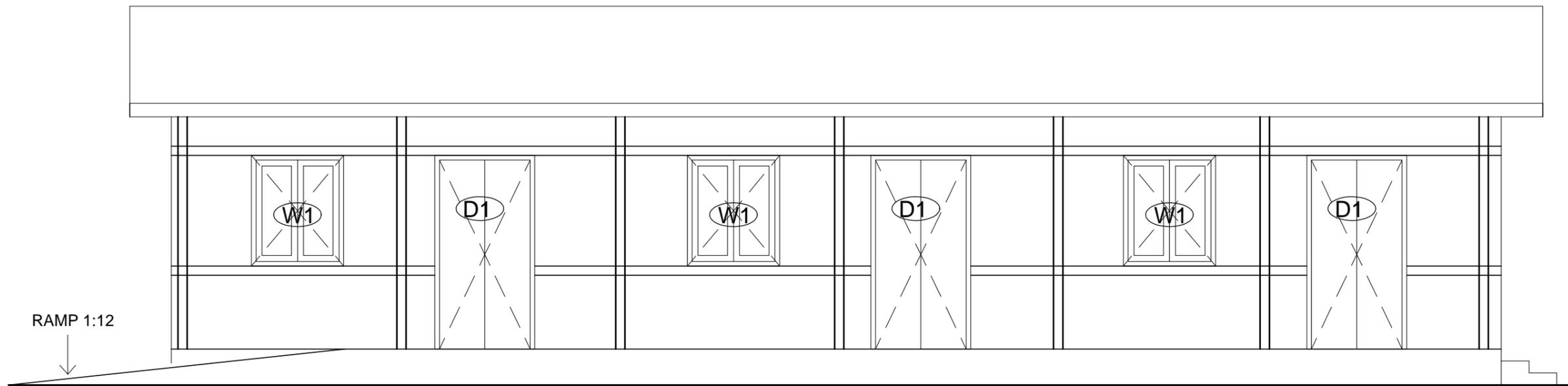
DATE: 11.06.2017  
SCALE: 1:50

DWG. NO.  
**003**  
**A**



LEFT SIDE ELEVATION

Scale =1:50



FRONT ELEVATION

Scale =1:50



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF SIZE  
245X245X100 MM FOR THREE  
CLASSROOMS BLOCK TYPE DESIGN

PROJECT LOCATION:  
NEPAL

DRAWING:  
ELEVATIONS

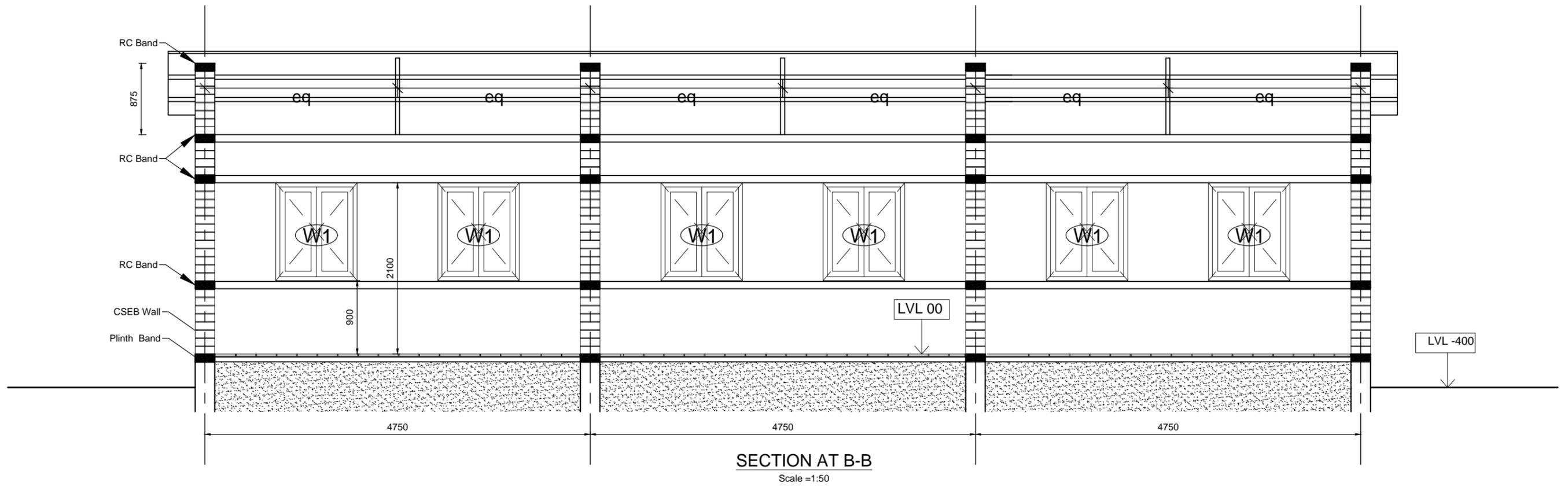
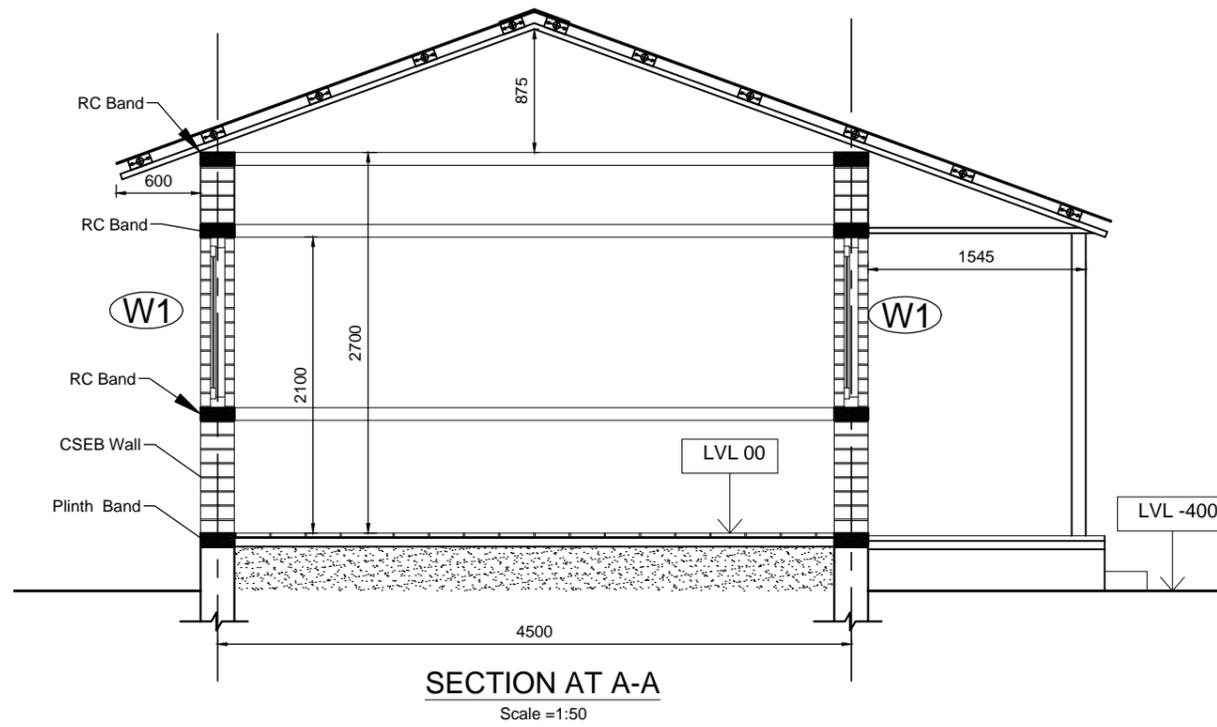
DATE: 11.06.2017

SCALE: 1:50

DWG. NO.

**004**

**A**



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF SIZE  
245X245X100 MM FOR THREE  
CLASSROOMS BLOCK TYPE DESIGN

PROJECT LOCATION:  
NEPAL

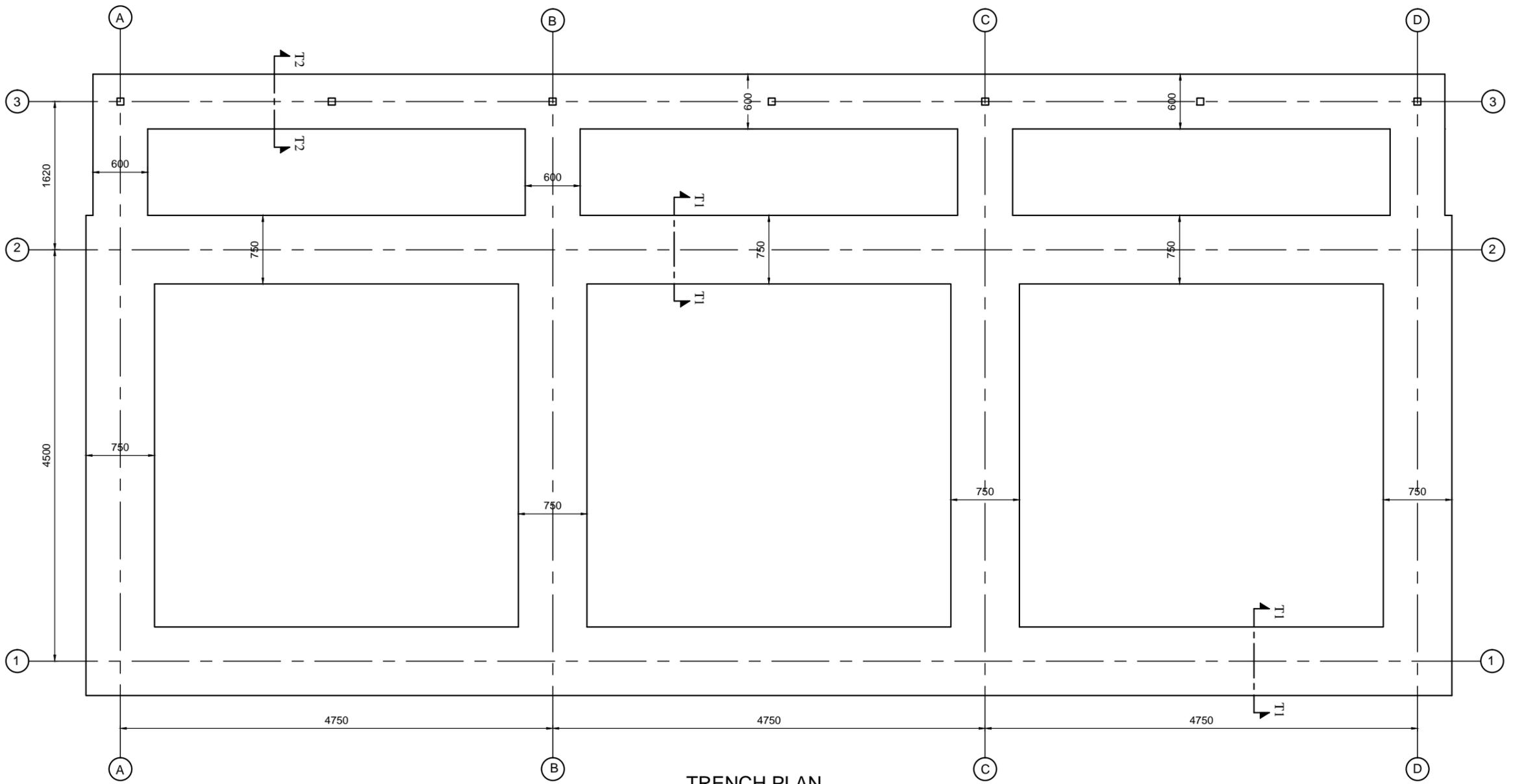
DRAWING:  
SECTION ELEVATION

DATE: 11.06.2017

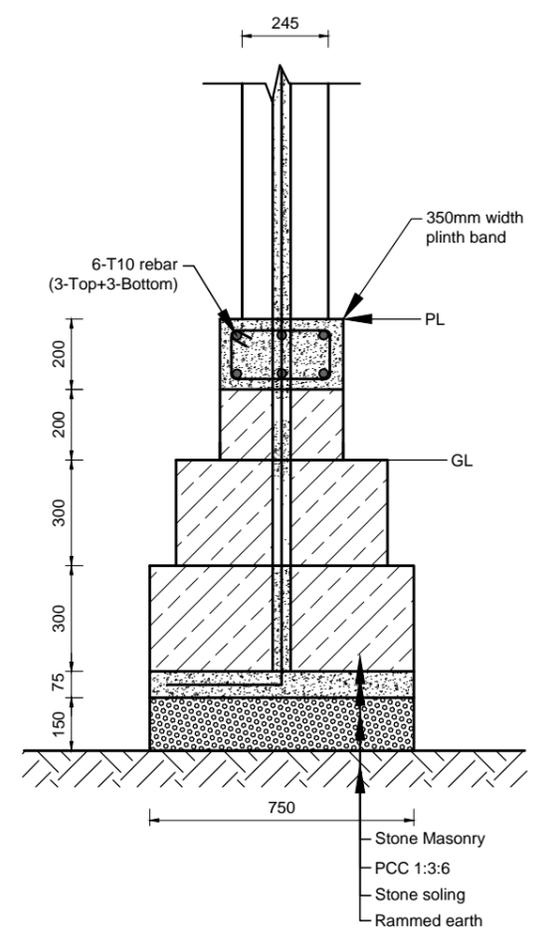
SCALE: 1:50

DWG. NO.  
**005**  
**A**

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**TRENCH PLAN**  
Scale = 1:50



**SECTION "T1-T1"**  
**(FOUNDATION DETAIL)**  
Scale = 1:20

**BUILD UP NEPAL**  
BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

**PROJECT TITLE:**  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
THREE CLASSROOMS BLOCK  
TYPE DESIGN

**PROJECT LOCATION:**  
NEPAL

**STRUCTURAL DESIGN BY:**  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

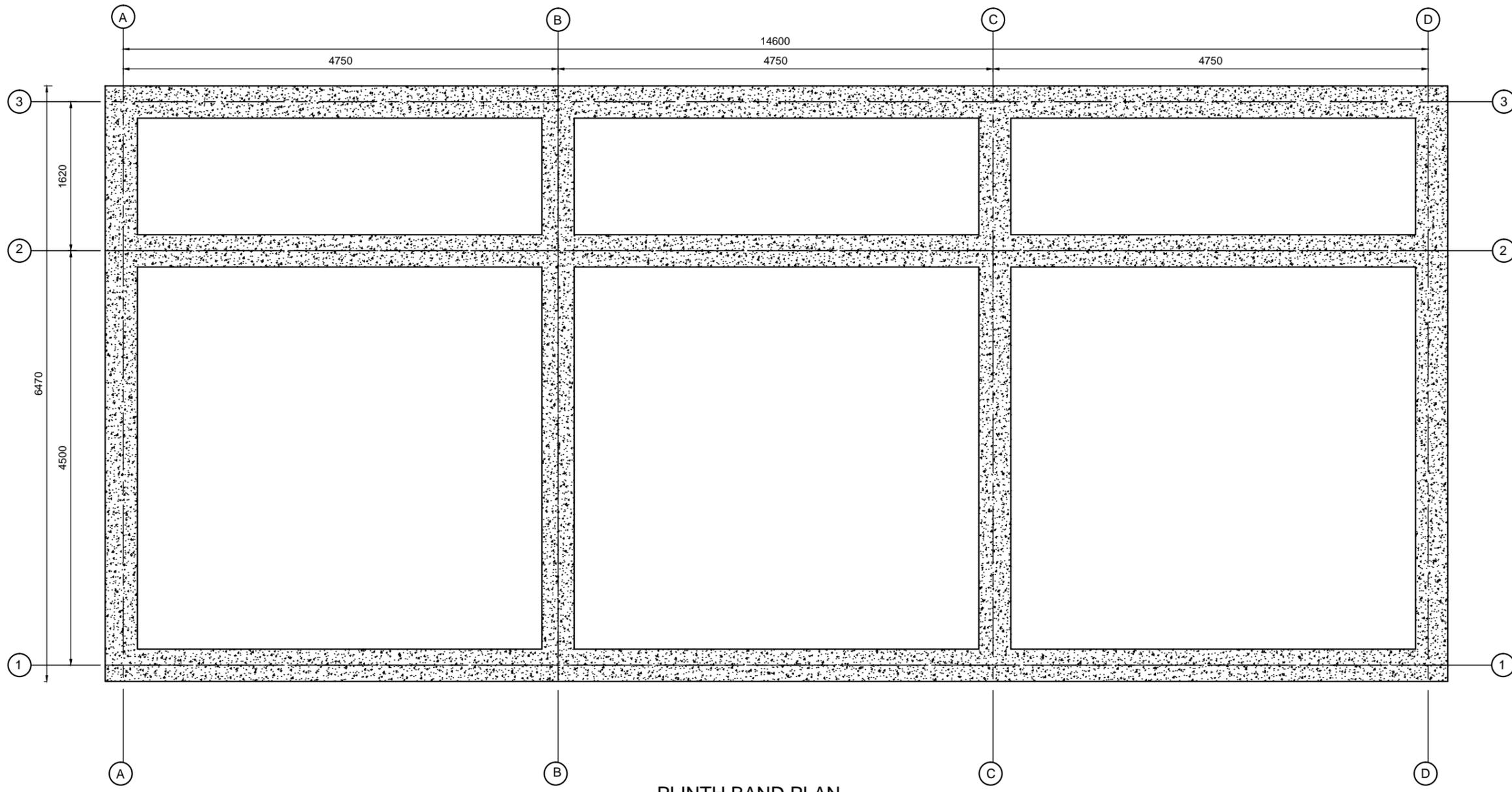
**DRAWING:**  
TRENCH PLAN  
AND FOUNDATION  
SECTION DETAILS

**DATE:** 11.06.2017

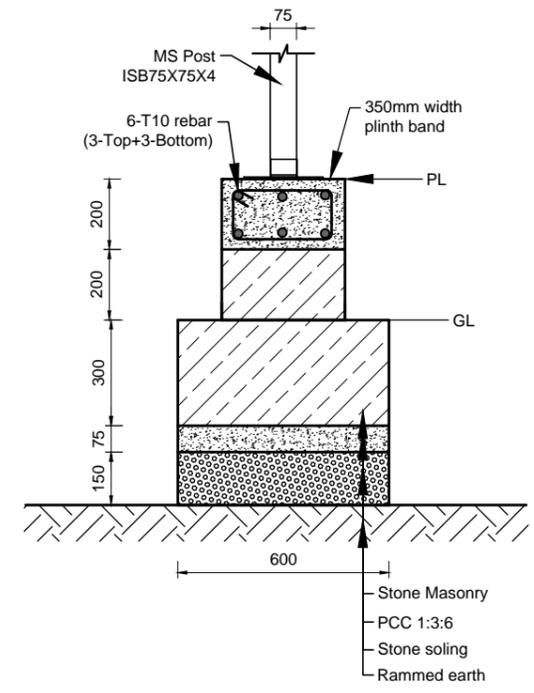
**SCALE:**

**DWG. NO.**  
**001**  
**S**

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**PLINTH BAND PLAN**  
Scale =1:50



**SECTION "T2-T2"**  
**(FOUNDATION DETAIL)**  
Scale =1:20

**BUILD UP NEPAL**  
BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

**PROJECT TITLE:**  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
THREE CLASSROOMS BLOCK  
TYPE DESIGN

**PROJECT LOCATION:**  
NEPAL

**STRUCTURAL DESIGN BY:**  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

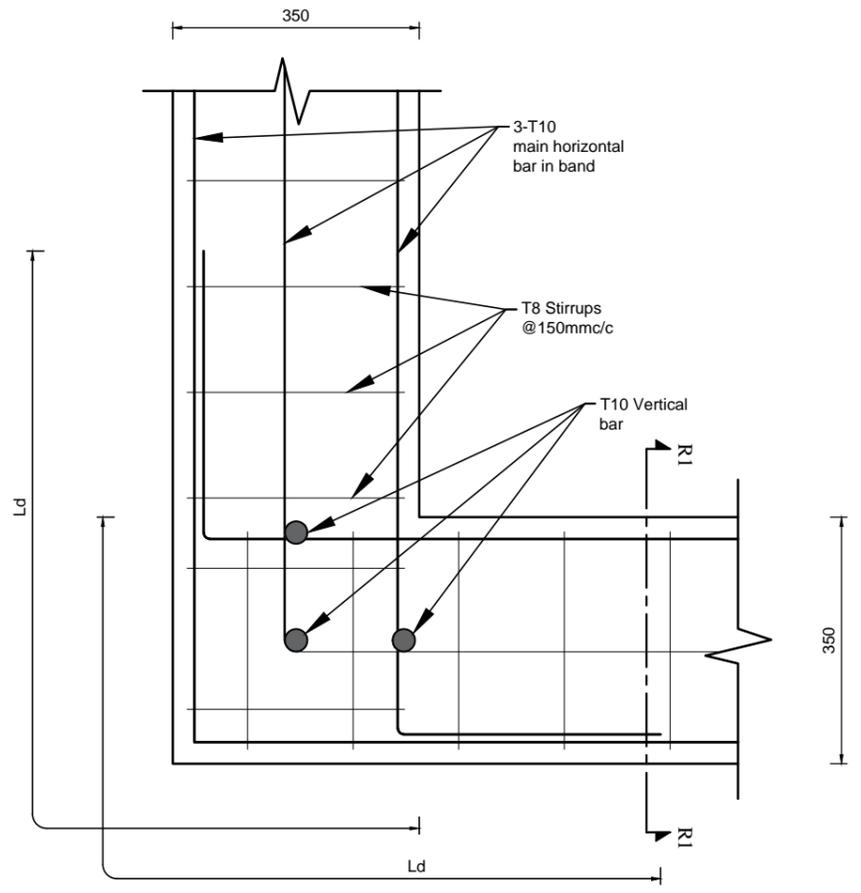
**DRAWING:**  
PLINTH BAND PLAN  
AND FOUNDATION  
SECTION DETAILS

**DATE:** 11.06.2017

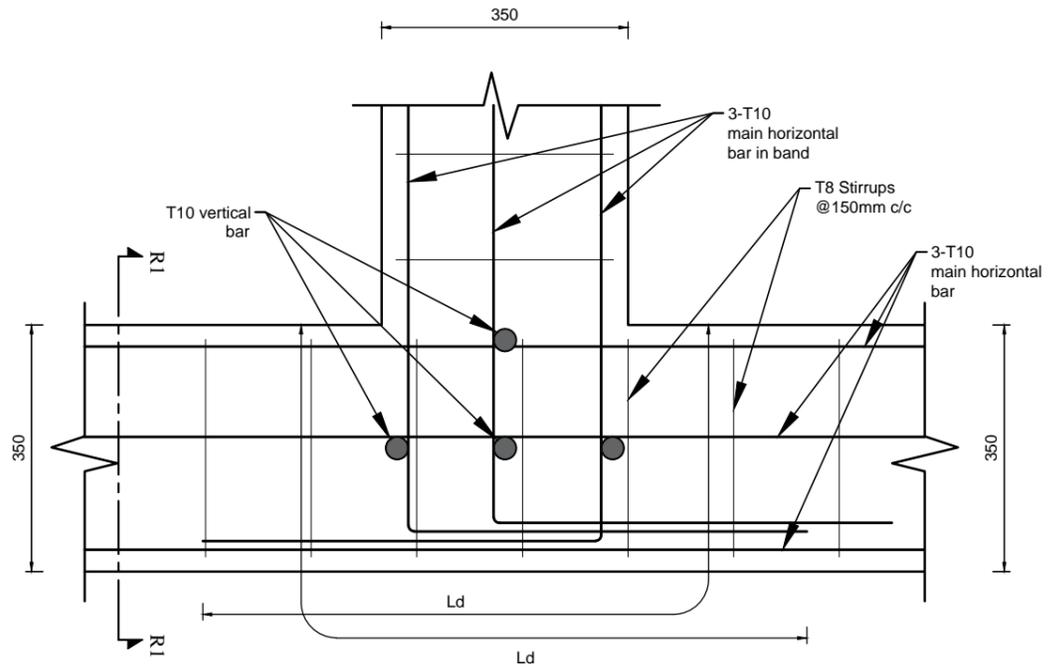
**SCALE:**

**DWG. NO.**  
**002**  
**S**

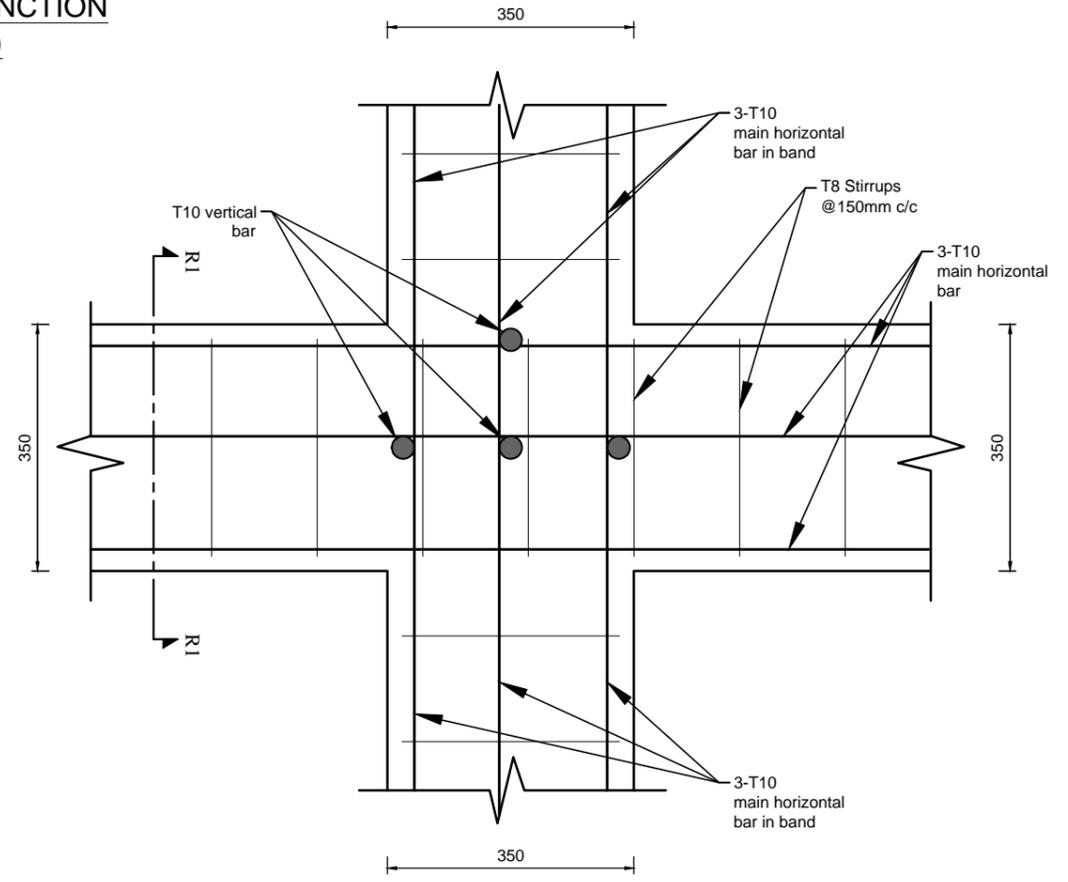
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



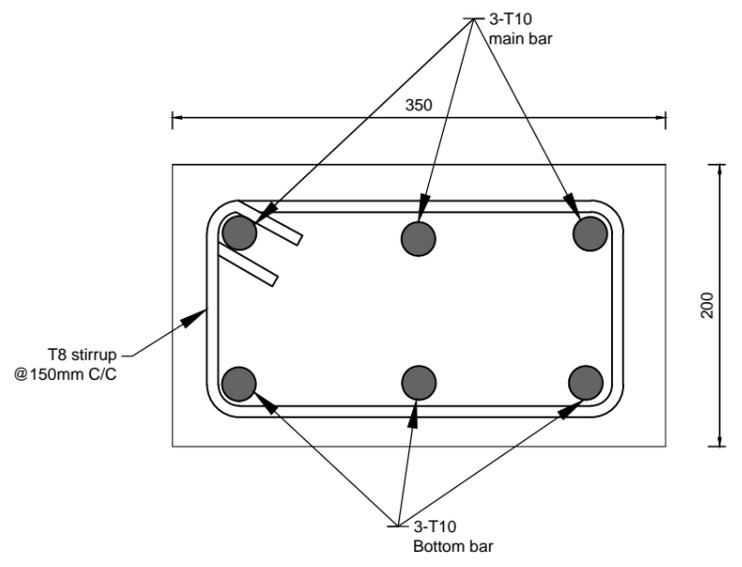
**BAND DETAIL AT CORNER  
(PLINTH BAND)**  
Scale =1:10



**BAND DETAIL AT T-JUNCTION  
(PLINTH BAND)**  
Scale =1:10



**BAND DETAIL AT "+" JUNCTION  
(PLINTH BAND)**  
Scale =1:10



**SECTION "R1-R1" DETAIL**  
Scale =1:5

**BUILD UP NEPAL**  
BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

**PROJECT TITLE:**  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
THREE CLASSROOMS BLOCK  
TYPE DESIGN

**PROJECT LOCATION:**  
NEPAL

**STRUCTURAL DESIGN BY:**  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

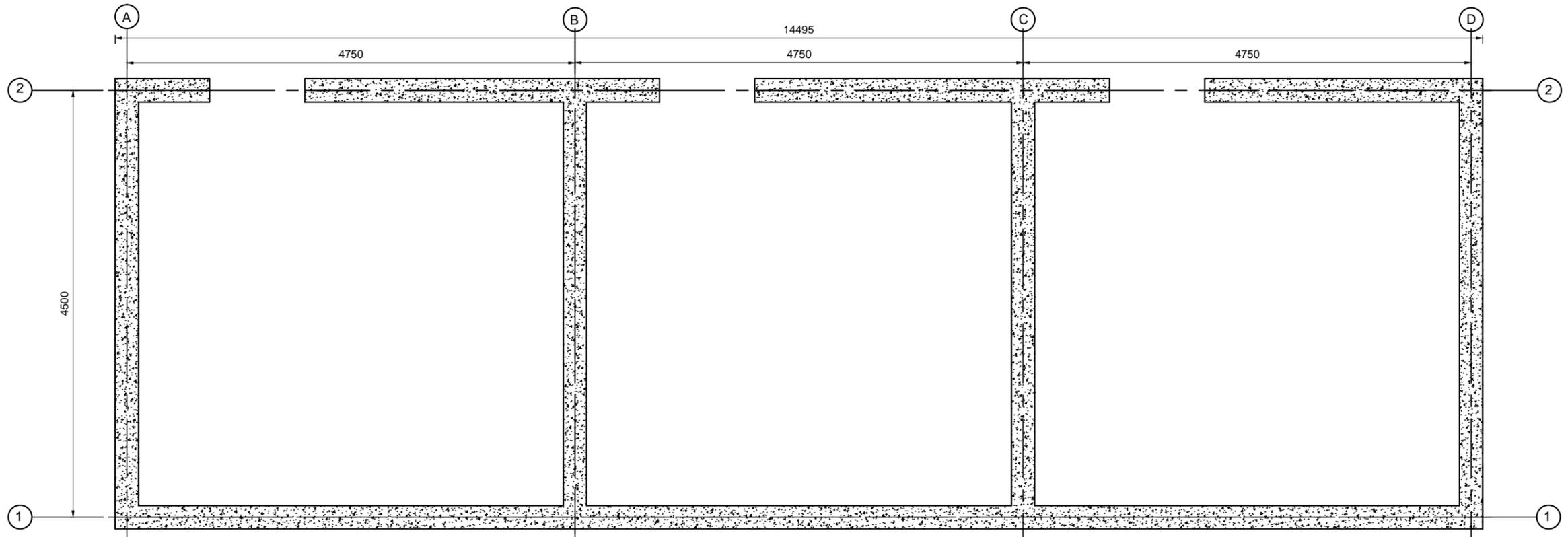
**DRAWING:**  
PLINTH BAND DETAILS

**DATE:** 11.06.2017

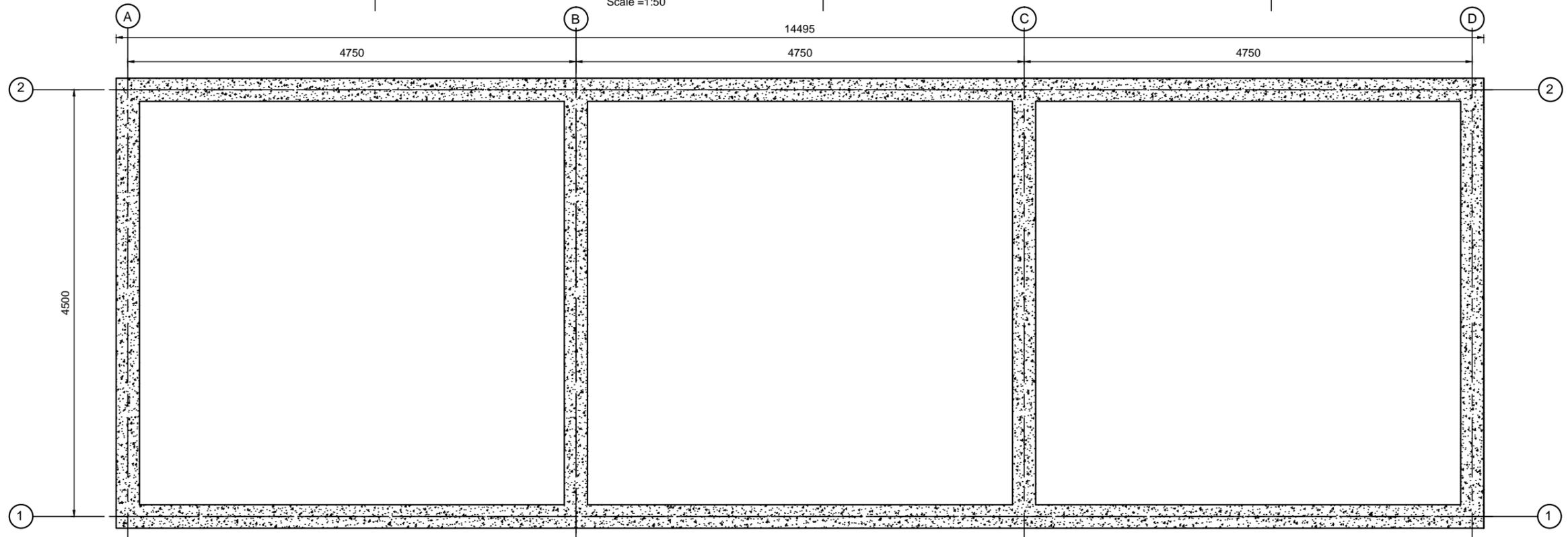
**SCALE:**

**DWG. NO.**  
**003**  
**S**

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**SILL BAND PLAN**  
Scale =1:50



**LINTEL & FLOOR BAND PLAN**  
Scale =1:50

**BUILD UP NEPAL**  
BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

**PROJECT TITLE:**  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
THREE CLASSROOMS BLOCK  
TYPE DESIGN

**PROJECT LOCATION:**  
NEPAL

**STRUCTURAL DESIGN BY:**  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

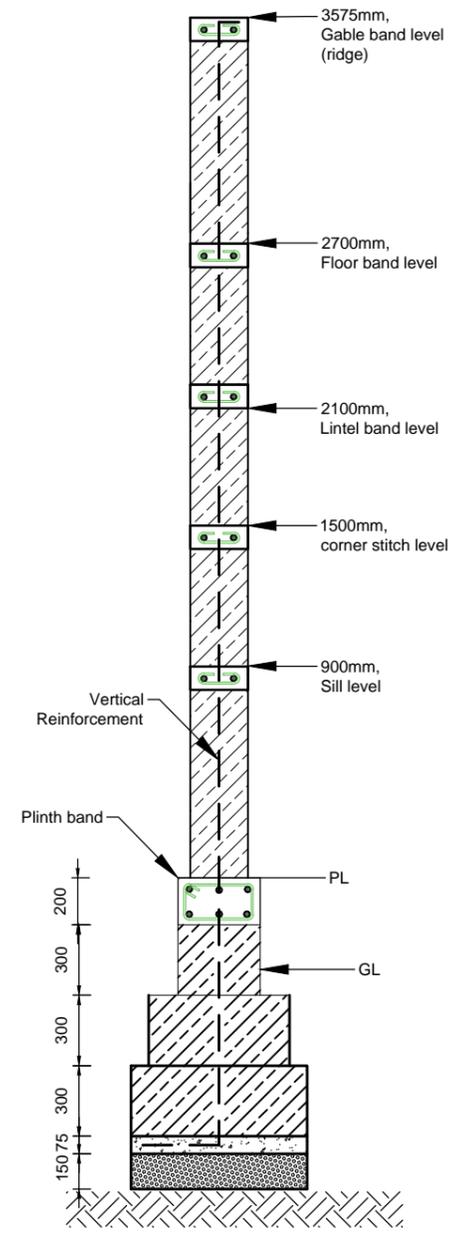
**DRAWING:**  
SILL,LINTEL & FLOOR  
BAND PLAN

**DATE:** 11.06.2017

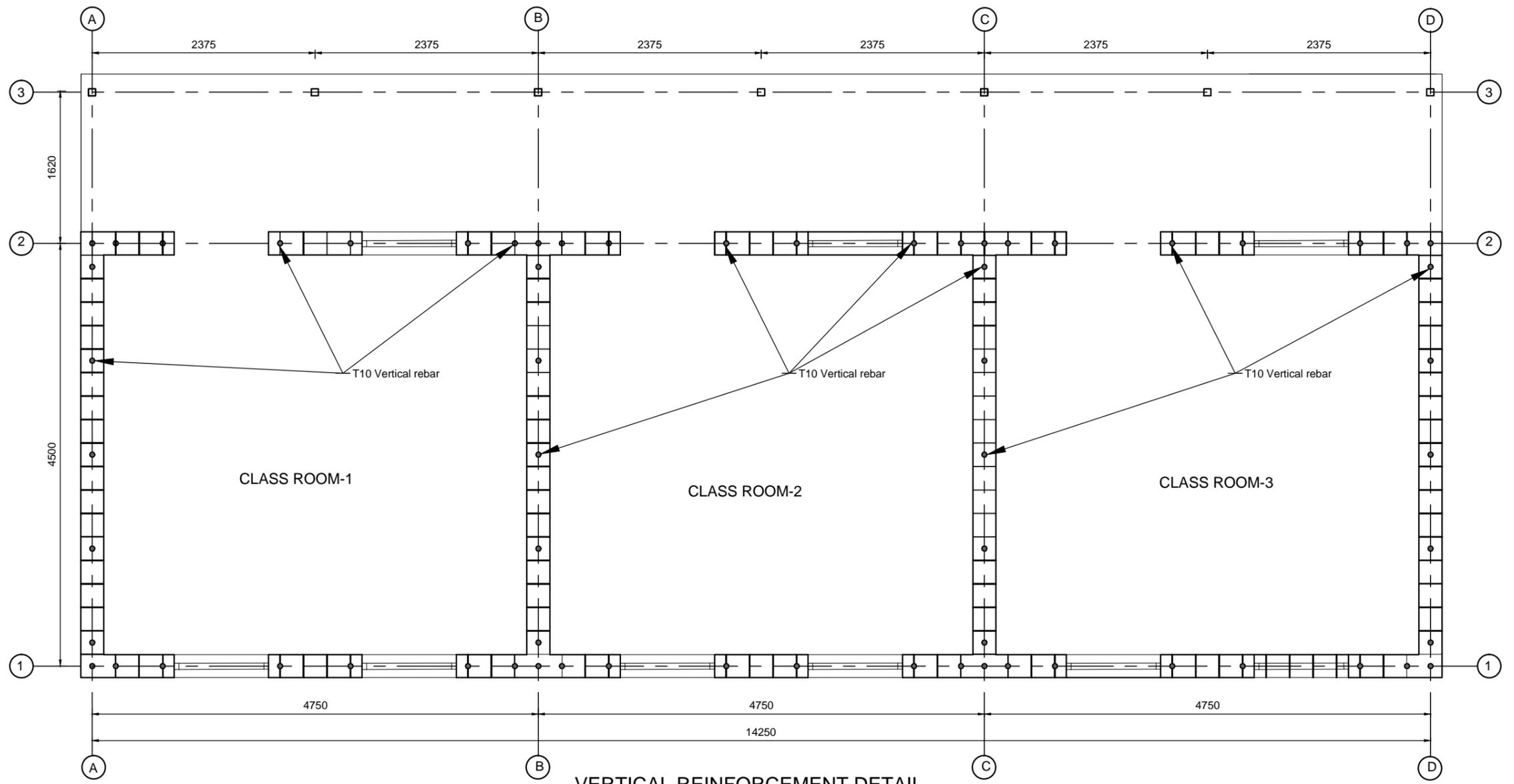
**SCALE:**

**DWG. NO.**  
**004**  
**S**

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**WALL SECTION DETAILS WITH RC BAND "V1-V1"**  
Scale =1:30



**VERTICAL REINFORCEMENT DETAIL**  
Scale =1:50

**BUILD UP NEPAL**  
BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

**PROJECT TITLE:**  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
THREE CLASSROOMS BLOCK  
TYPE DESIGN

**PROJECT LOCATION:**  
NEPAL

**STRUCTURAL DESIGN BY:**  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

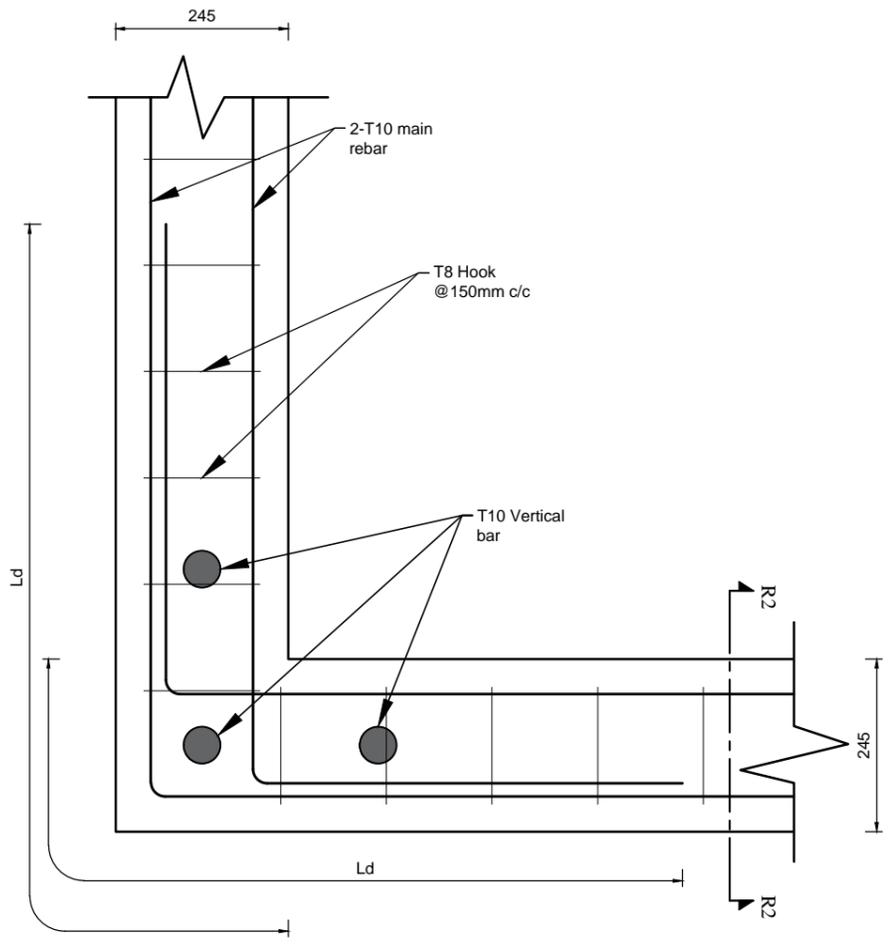
**DRAWING:**  
VERTICAL  
REINFORCEMENT  
PLAN & WALL  
SECTION DETAILS

**DATE:** 11.06.2017

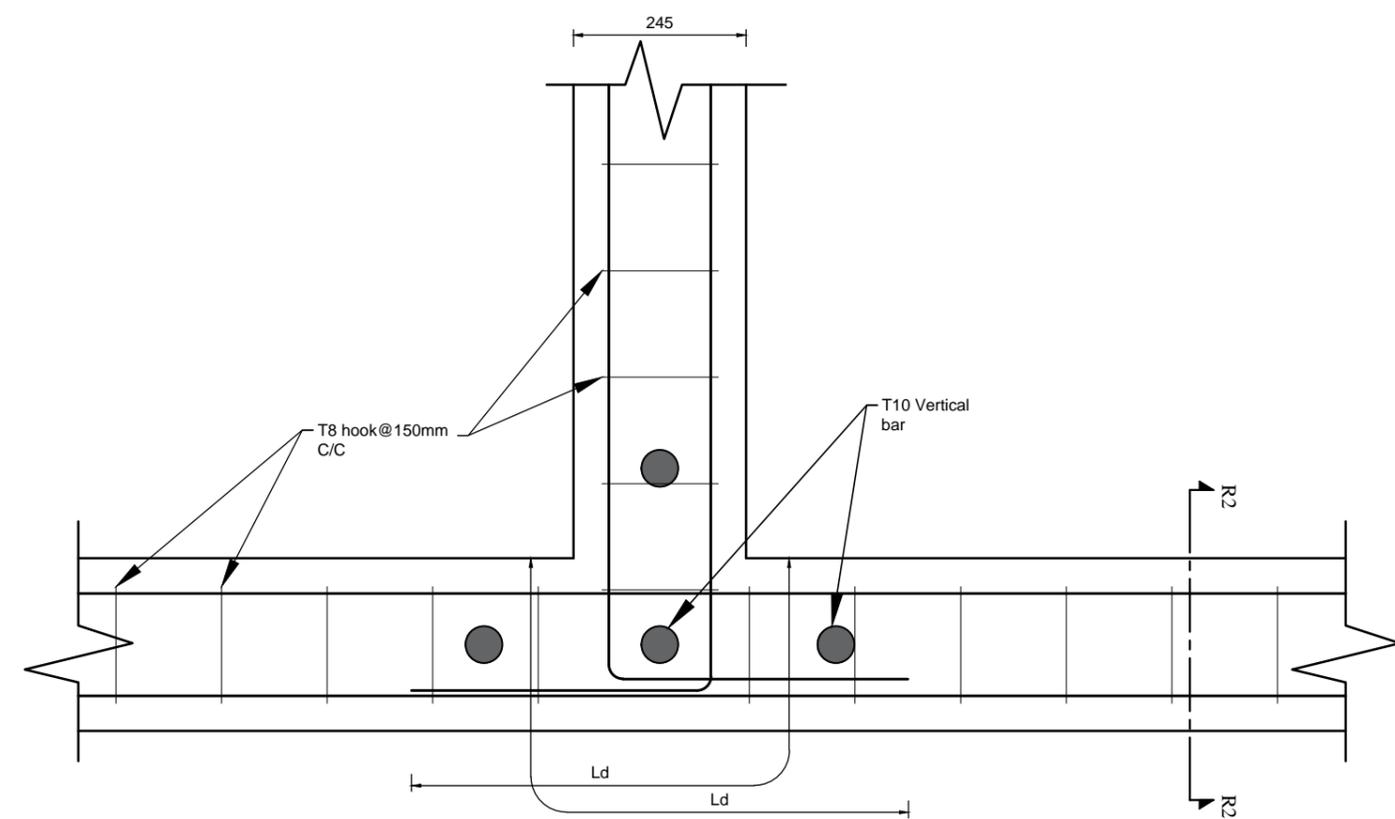
**SCALE:**

**DWG. NO.**  
**005**  
**S**

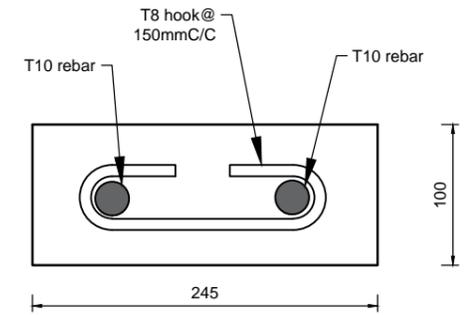
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**BAND DETAIL AT CORNER**  
(SILL, LINTEL, CORNER STITCH & FLOOR BAND)  
Scale =1:10



**BAND DETAIL AT "T" JUNCTION**  
(SILL, LINTEL, CORNER STITCH & FLOOR BAND)  
Scale =1:10



**SECTION "R2-R2" DETAIL**  
Scale =1:5



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
THREE CLASSROOMS BLOCK  
TYPE DESIGN

PROJECT LOCATION:  
NEPAL

STRUCTURAL DESIGN BY:  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

DRAWING:  
VERTICAL  
REINFORCEMENT &  
SILL, LINTEL & FLOOR  
BAND DETAILS

DATE: 11.06.2017

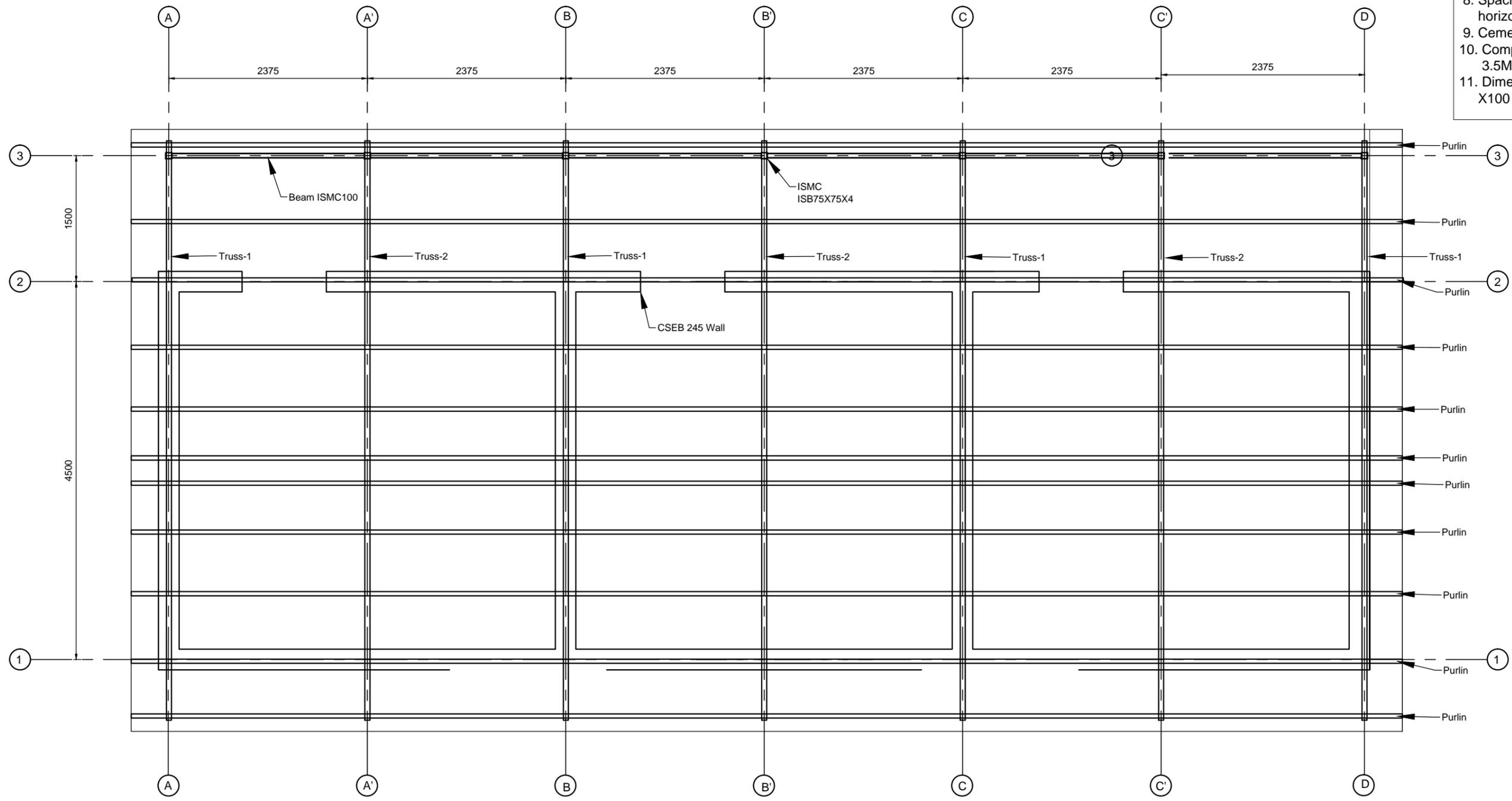
SCALE:

DWG. NO.

006

S

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**PURLIN & TRUSS DETAILS**  
Scale =1:50

**BUILD UP NEPAL**  
BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

**PROJECT TITLE:**  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
THREE CLASSROOMS BLOCK  
TYPE DESIGN

**PROJECT LOCATION:**  
NEPAL

**STRUCTURAL DESIGN BY:**  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

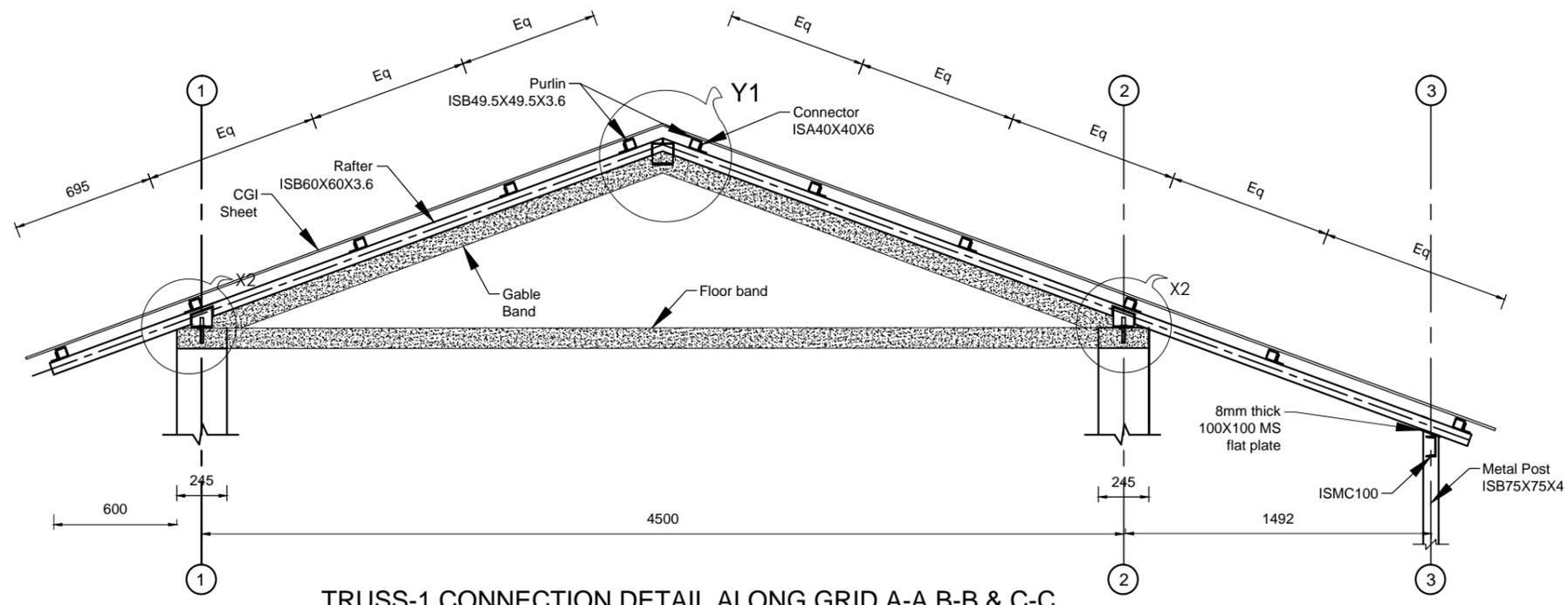
**DRAWING:**  
PURLIN & TRUSS  
PLAN DETAILS

**DATE:** 11.06.2017

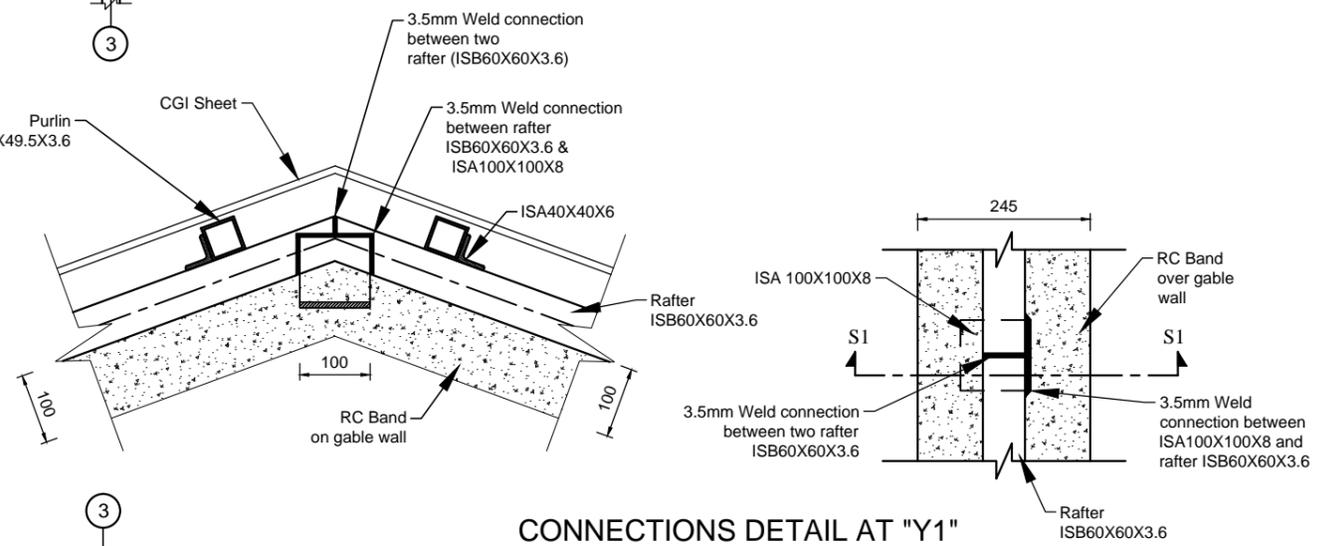
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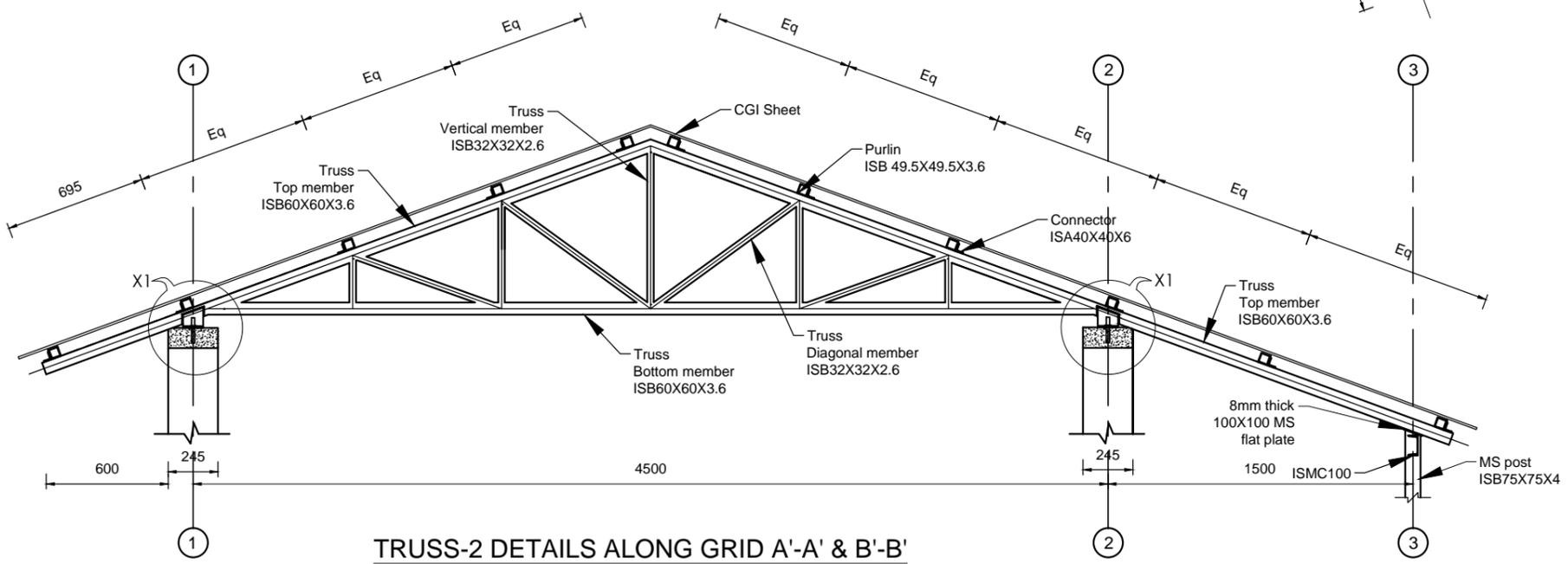
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



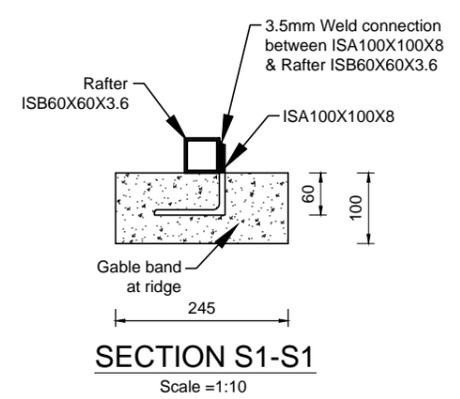
**TRUSS-1 CONNECTION DETAIL ALONG GRID A-A, B-B & C-C**  
Scale =1:30



**CONNECTIONS DETAIL AT "Y1" (RIDGE POINT)**  
Scale =1:10



**TRUSS-2 DETAILS ALONG GRID A'-A' & B'-B'**  
Scale =1:30



**SECTION S1-S1**  
Scale =1:10

**BUILD UP NEPAL**  
THADO DHUNGA-3  
JHANSIKHEL, LALITPUR

**PROJECT TITLE:**  
SCHOOL IN AURAM CSEB OF  
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TYPE DESIGN

**PROJECT LOCATION:**  
NEPAL

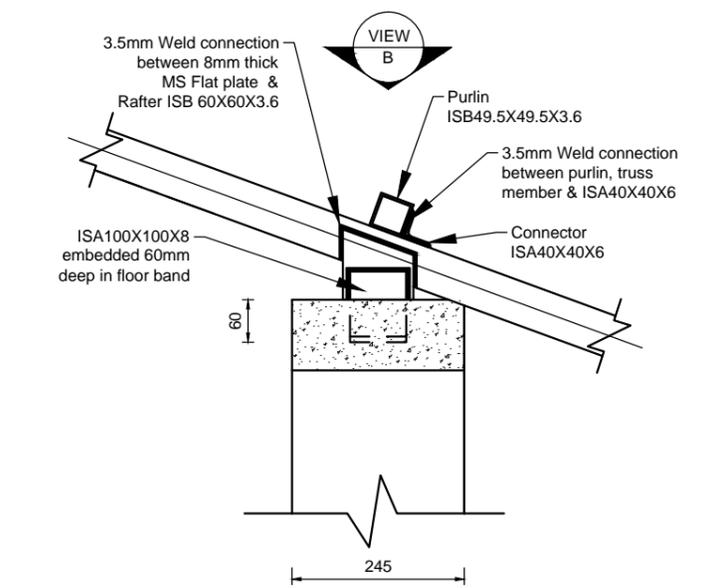
**STRUCTURAL DESIGN BY:**  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

**DRAWING:**  
TRUSS SECTION AND  
CONNECTION DETAILS

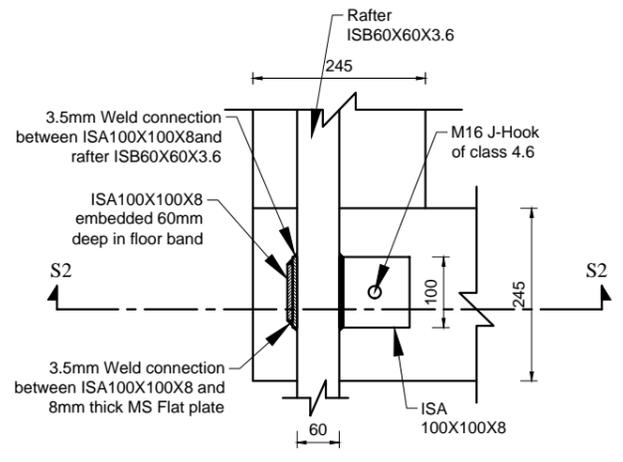
**DATE:** 11.06.2017

**SCALE:**

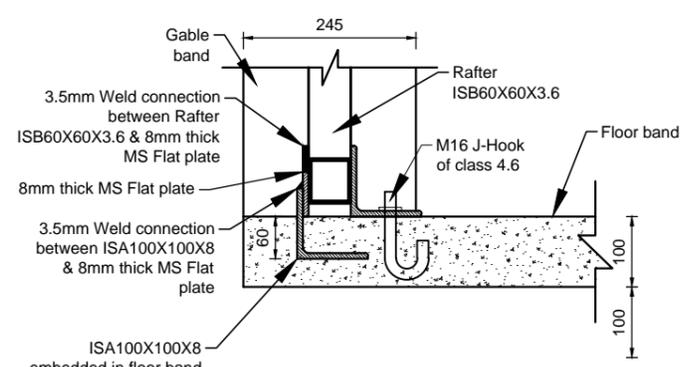
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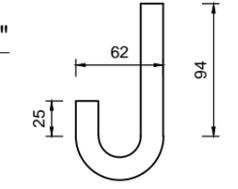
**CONNECTIONS DETAIL "X2"**  
 (TRUSS-1 & FLOOR BAND ALONG GRID A-A & C-C)  
 Scale = 1:10



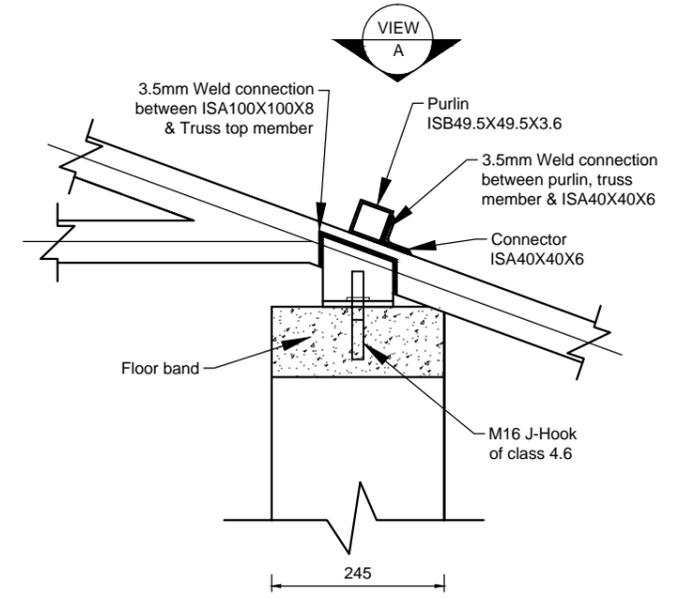
**"VIEW B" DETAILS (PLAN)**  
 Scale = 1:10



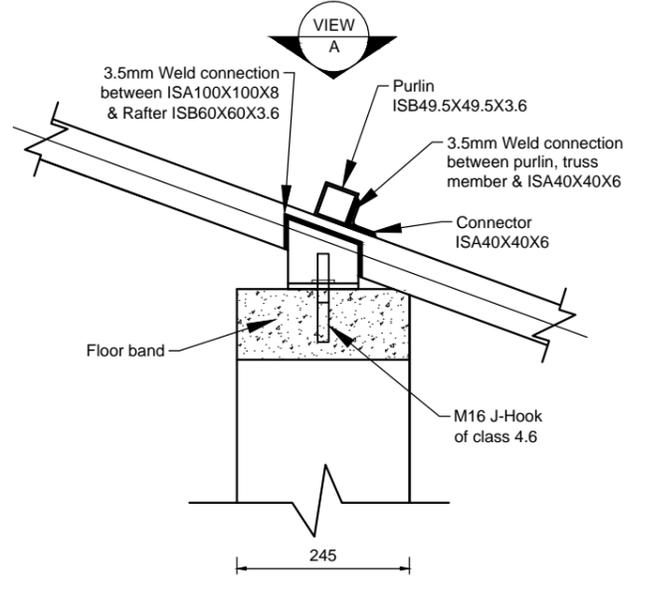
**SECTION DETAILS "S2-S2"**  
 Scale = 1:10



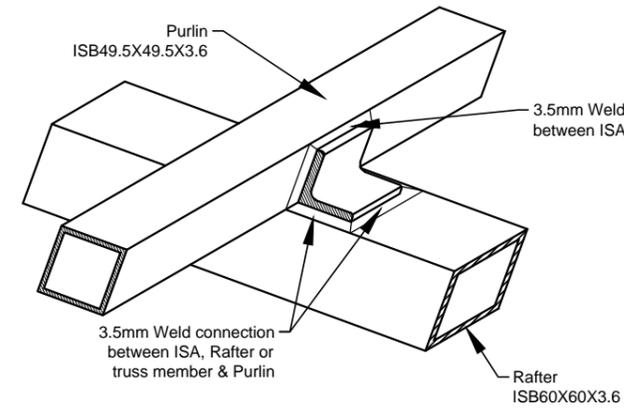
**J-HOOK DETAILS**  
 Scale = 1:5



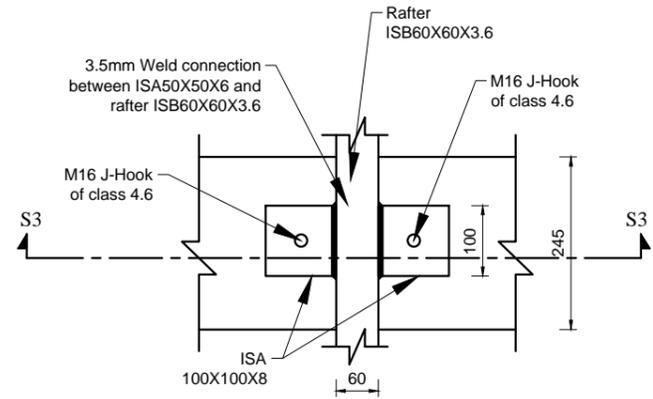
**CONNECTIONS DETAIL "X1"**  
 (TRUSS-2 & FLOOR BAND ALONG GRID A'-A' & B'-B')  
 Scale = 1:10



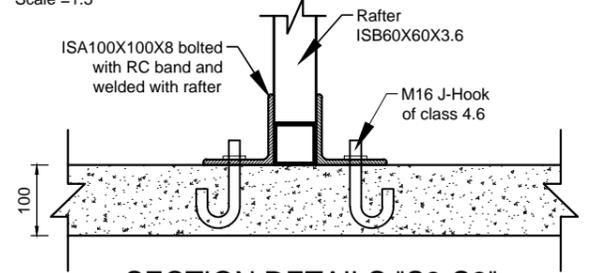
**CONNECTIONS DETAIL "X2"**  
 (TRUSS-1 & FLOOR BAND ALONG GRID B-B)  
 Scale = 1:10



**PURLIN RAFTER CONNECTION DETAILS**  
 Scale = 1:5

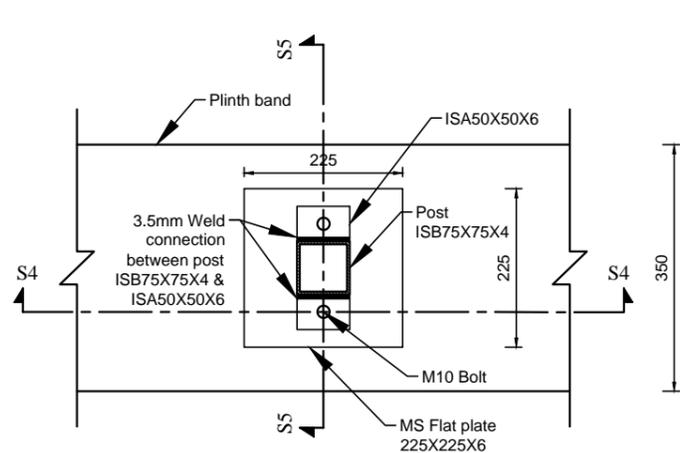


**"VIEW A" DETAILS (PLAN)**  
 Scale = 1:10

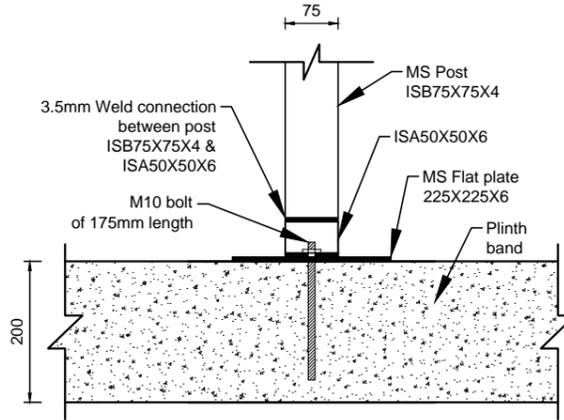


**SECTION DETAILS "S3-S3"**  
 Scale = 1:10

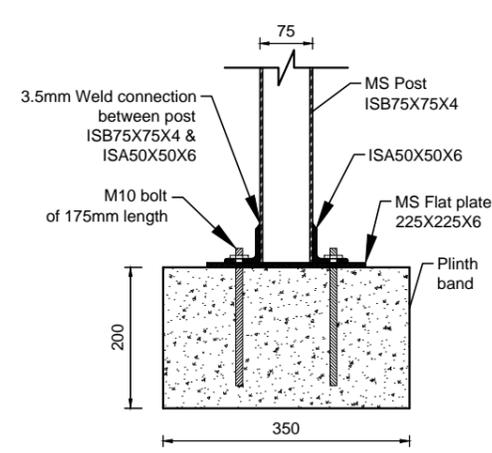
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length 60Ø, where Ø=diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**PLINTH BAND & METAL POST CONNECTION DETAILS**  
Scale =1:10

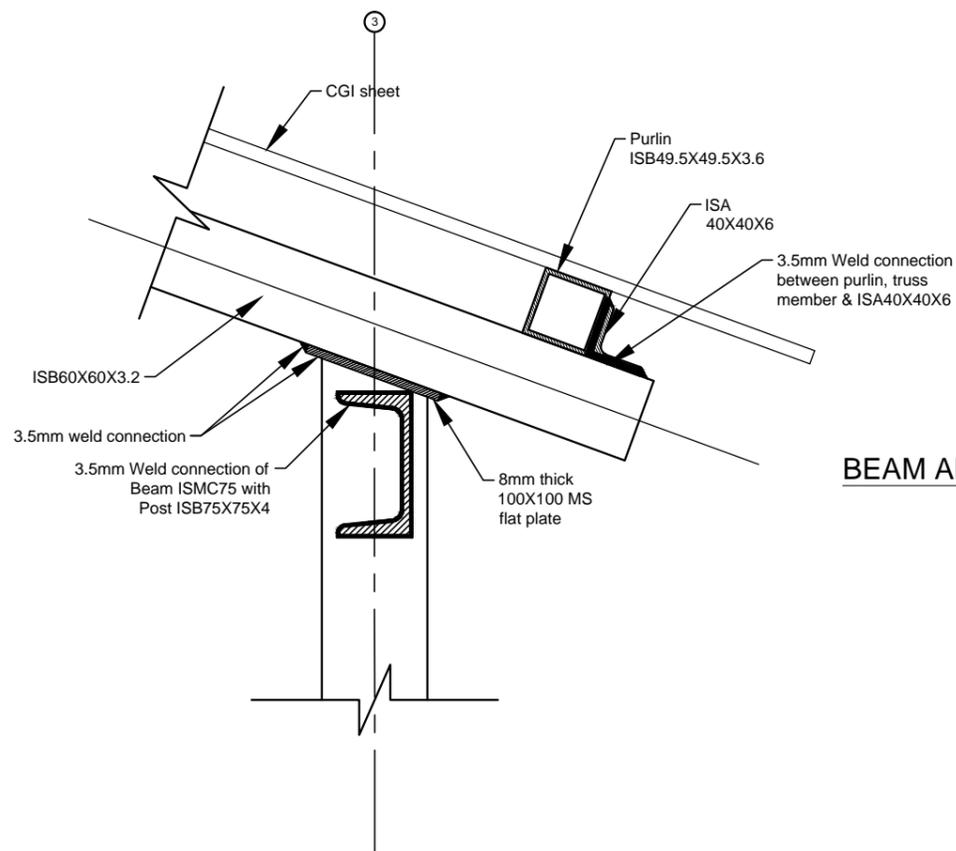


**SECTION DETAILS "S4-S4"**  
Scale =1:10

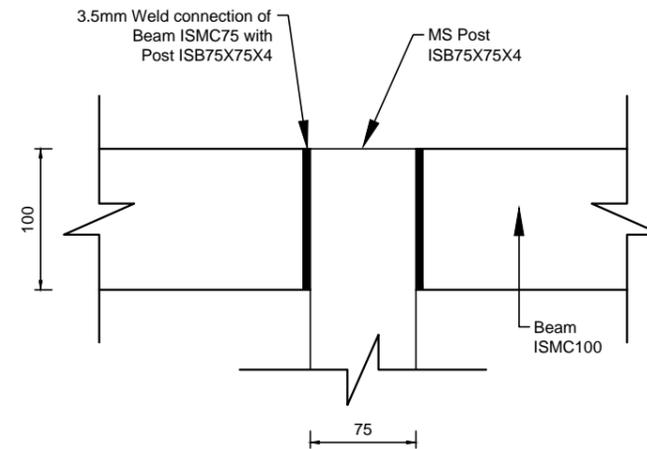
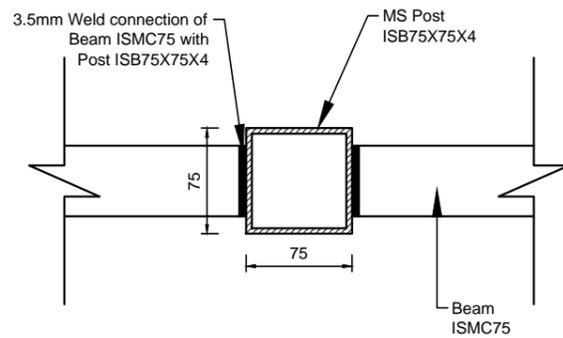


**SECTION DETAILS "S5-S5"**  
Scale =1:10

- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**BEAM AND MS POST CONNECTION DETAILS**  
Scale =1:5



BUILD UP NEPAL  
THADO DHUNGA-3  
JHAMSIKHEL, LALITPUR

PROJECT TITLE:  
SCHOOL IN AURAM CSEB OF  
SIZE 245X245X100 MM FOR  
THREE CLASSROOMS BLOCK  
TYPE DESIGN

PROJECT LOCATION:  
NEPAL

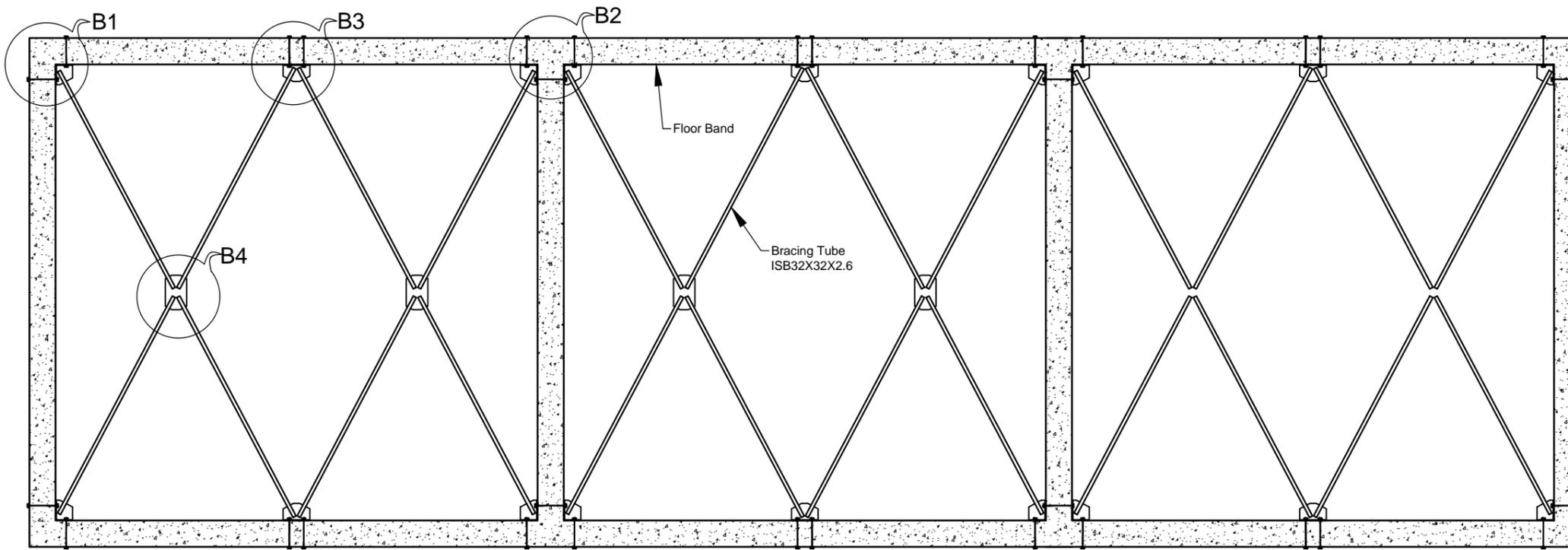
STRUCTURAL DESIGN BY:  
RESILIENT STRUCTURE PVT. LTD.  
KATHMANDU, NEPAL

DRAWING:  
POST & PLINTH BAND  
CONNECTION DETAIL,  
BEAM POST  
CONNECTION DETAIL

DATE: 11.06.2017

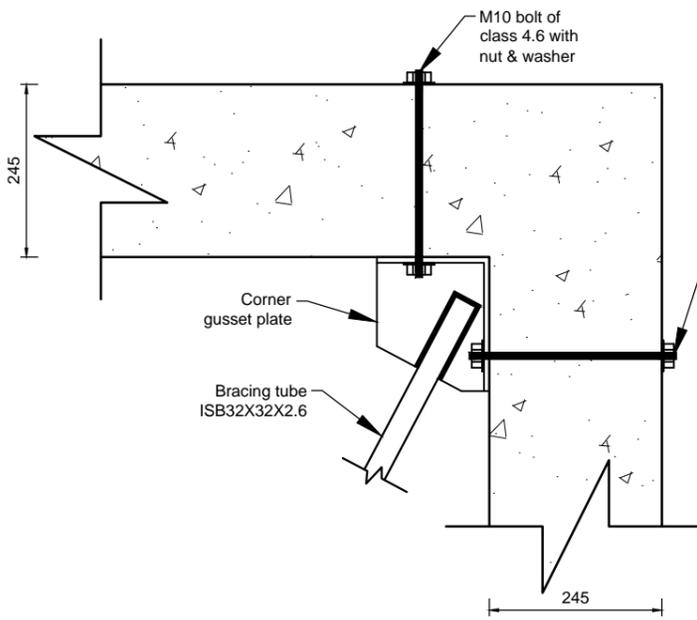
SCALE:

DWG. NO.  
**010**  
**S**

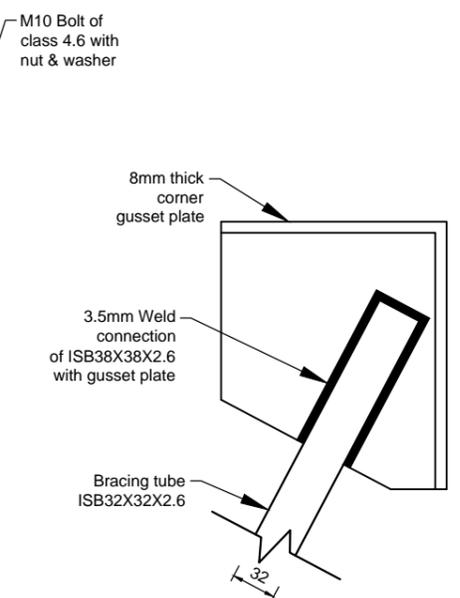


**HORIZONTAL BRACING PLAN AT ROOF LEVEL**  
Scale =1:50

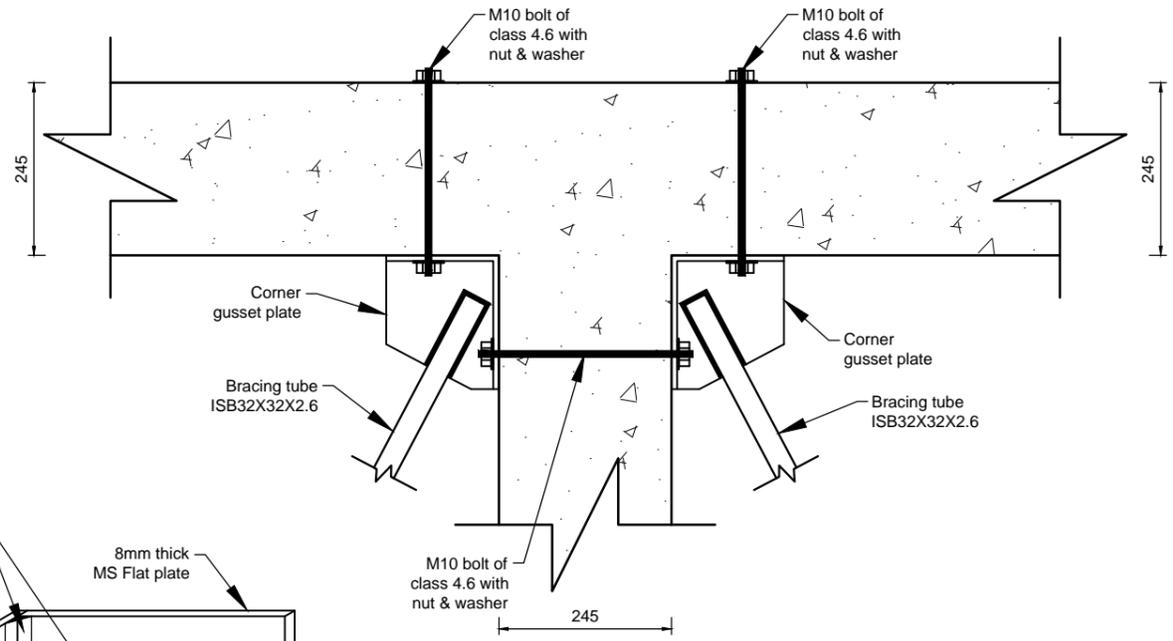
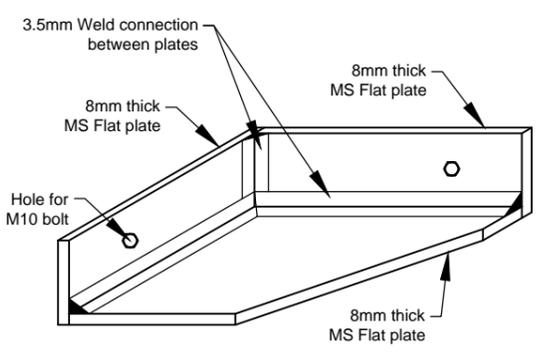
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



**BRACING CONNECTION DETAILS "B1"**  
Scale =1:10

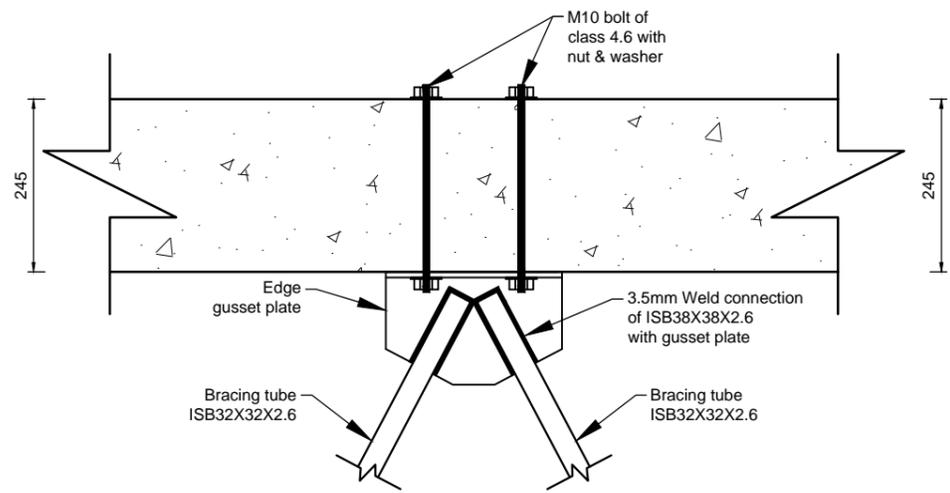


**CORNER GUSSET PLATE DETAILS**  
Scale =1:5

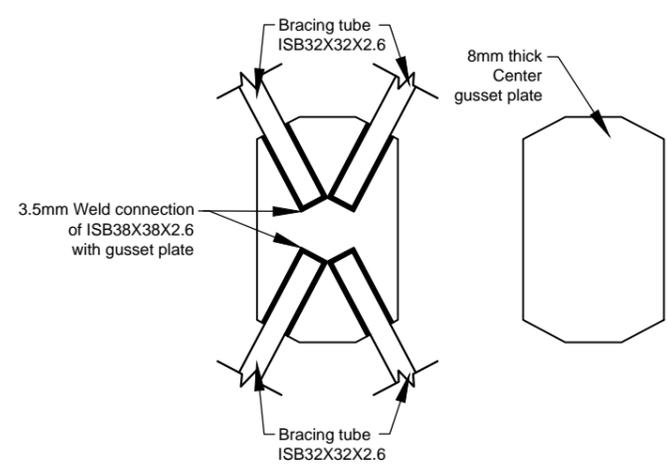


**BRACING CONNECTION DETAILS "B2"**  
Scale =1:10

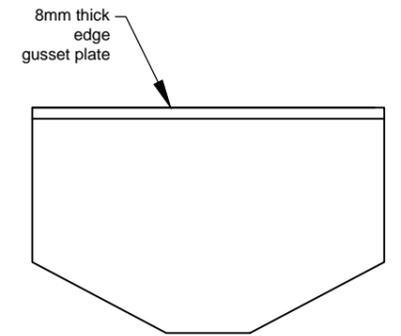
- GENERAL NOTES:**
1. All dimensions are in mm.
  2. Clear Cover : 15mm for all bands
  3. Grade of Concrete M20(1:1.5:3) for all concrete.
  4. Grade of Steel Fe 500 for all reinforcement works
  5. Grade of Structural Steel Fe250 for MS Steel.
  6. Development length  $60\phi$ , where  $\phi$ =diameter of bar.
  7. Lap length= Development length.
  8. Spacing of stirrups 150mm for horizontal bands.
  9. Cement Mortar 1:5(Cement:Sand)
  10. Compressive Strength of CSEB is 3.5Mpa.
  11. Dimension of CSEB is 245X245 X100 mm.



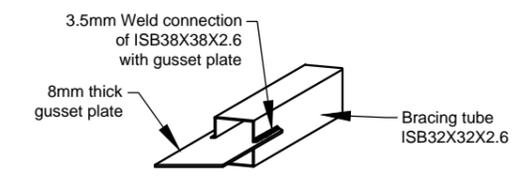
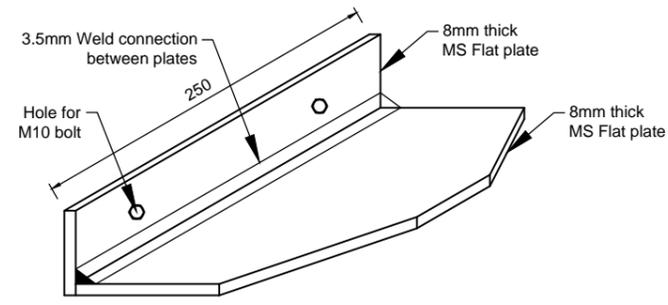
**BRACING CONNECTION DETAILS "B2"**  
Scale =1:10



**BRACING CONNECTION DETAILS "B4"**  
Scale =1:10



**EDGE GUSSET PLATE DETAILS**  
Scale =1:5



**CONNECTION BETWEEN BRACING TUBE & GUSSET PLATE**  
Scale =1:5