

CLIENT:



Government Of Nepal  
**Ministry Of Education**  
Central Level Project Implementation Unit (CLPIU)  
Gyaneshwor, Kathmandu, Nepal.

DONOR:



Japan International Cooperation Agency

PROJECT:

# Emergency School Reconstruction Project

**TYPE DESIGN:**  
**3 Storey 6 Small Classroom**  
**3-6C(S)**

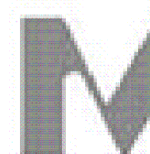


CONSULTANTS:



**ORIENTAL CONSULTANTS GLOBAL**  
Global Consulting for sustainable Development

Joint Venture



**MOHRI, ARCHITECT & ASSOCIATES, INC**

**EWES** East West Engineering Service Pvt. Ltd.  
P. Box-8621, Bansbari, Kathmandu, Nepal. web: ewesnepal.com  
Tel: 9771-4373316, Fax: 4650203, email - hbgeve@gmail.com

September, 2016

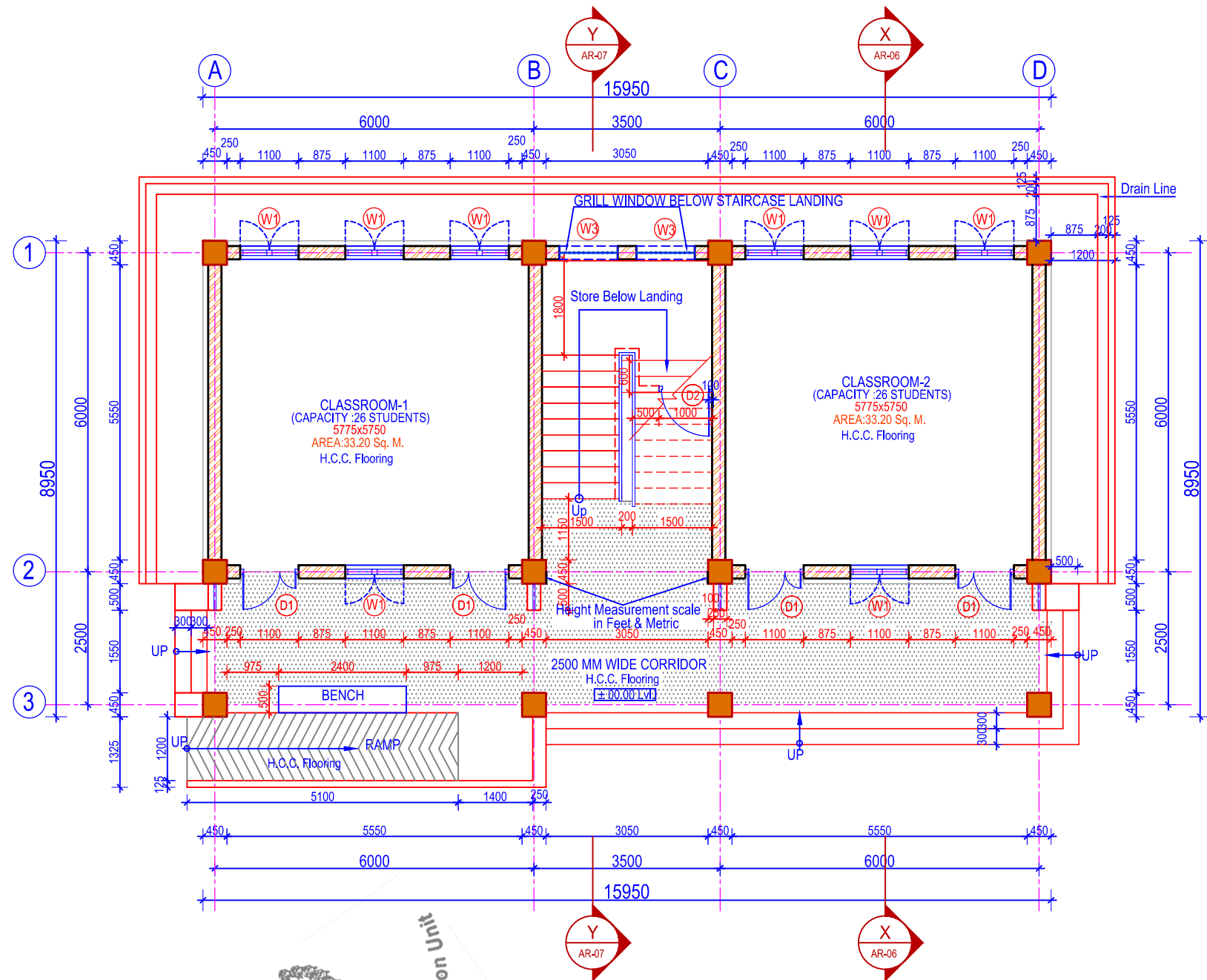
# 3 STOREY 6 SMALL CLASSROOMS

## 3-6C(S)

### TABLE OF CONTENT:

ARCHITECTURAL DRAWINGS		
S.N.	CONTENTS	SHEET NO.
1	GROUND FLOOR PLAN	A-01
2	FIRST FLOOR PLAN	A-02
3	SECOND FLOOR PLAN	A-03
4	ROOF PLAN	A-04
5	ELEVATIONS	A-05
6	ELEVATIONS & SECTION	A-06
7	WALL SECTION	A-07
8	STAIRCASE PLAN	A-08
9	STAIRCASE DETAIL	A-09
10	DOOR/ WINDOW DETAIL	A-10
11	FALSE CEILING LAYOUT PLAN	A-11
STRUCTURAL DRAWINGS		
S.N.	CONTENTS	SHEET NO.
12	GENERAL NOTES & TYPICAL DETAILS	S-00
13	TRENCH PLAN & TIE BEAM & Wall FOUNDATION DETAILS	S-01
14	FOOTING PLAN, SECTION & WALL FOUNDATION DETAIL	S-02
15	FOOTING PLAN & SECTION DETAILS	S-03
16	FOOTING PLAN & SECTION DETAILS	S-04
17	FOOTING PLAN & SECTION DETAILS	S-05
18	COLUMN LAYOUT PLAN & DETAILS, COLUMN,LINTEL,SILL JOINT DETAIL.	S-06
19	COLUMN DETAILS & SILL & LINTEL DETAILS	S-07
20	PLINTH BEAM TIE PLAN & DETAILS	S-08
21	PLINTH BEAM TIE DETAILS	S-09
22	BEAM PLAN ( FIRST, SECOND FLOOR & TRUSS LEVEL)	S-10
23	BEAM DETAILS	S-11
24	BEAM DETAILS	S-12
25	BEAM DETAILS	S-13
26	BEAM DETAILS	S-14
27	SLAB PLAN & SECTION ( FIRST & SECOND FLOOR LEVEL)	S-15
28	STAIRCASE PLAN & SECTION	S-16
29	TRUSS PLAN & SECTION &DETAILS	S-17
30	TRUSS DETAILS	S-18
31	TRUSS DETAILS	S-19
ELECTRICAL DRAWINGS		
S.N.	CONTENTS	SHEET NO.
32	LIGHT, POWER AND DB LAYOUT (GROUND FLOOR)	E-01
33	LIGHT, POWER AND DB LAYOUT (FIRST FLOOR)	E-02
34	LIGHT, POWER AND DB LAYOUT (SECOND FLOOR)	E-03





**GROUND FLOOR PLAN**

Area = 142.75 Sq. M.  
(Scale= 1:100)

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**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.



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Mr. Hisafumi Michikawa	Mr. A.S. Tamang
Mr. Wong Kuok Hung	Ms. M. Rana

Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :  
GROUND FLOOR PLAN

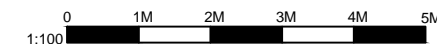
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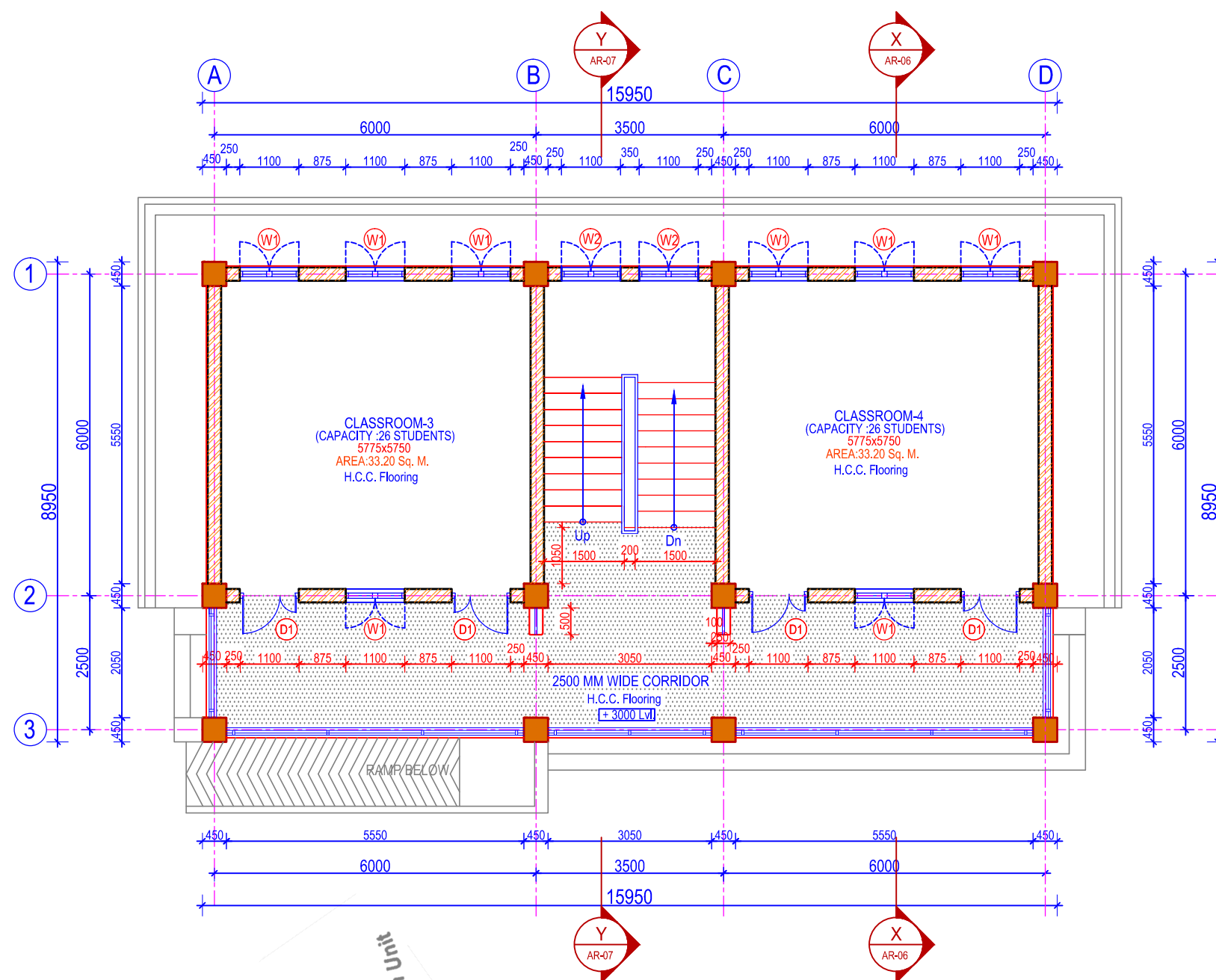
3-6C  
(S)

Date : September, 2016

Print Sheet : A'3' Size

A-01





### FIRST FLOOR PLAN

Area = 142.75 Sq. M.  
(Scale= 1:100)

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FIRST FLOOR PLAN

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3-6C  
(S)

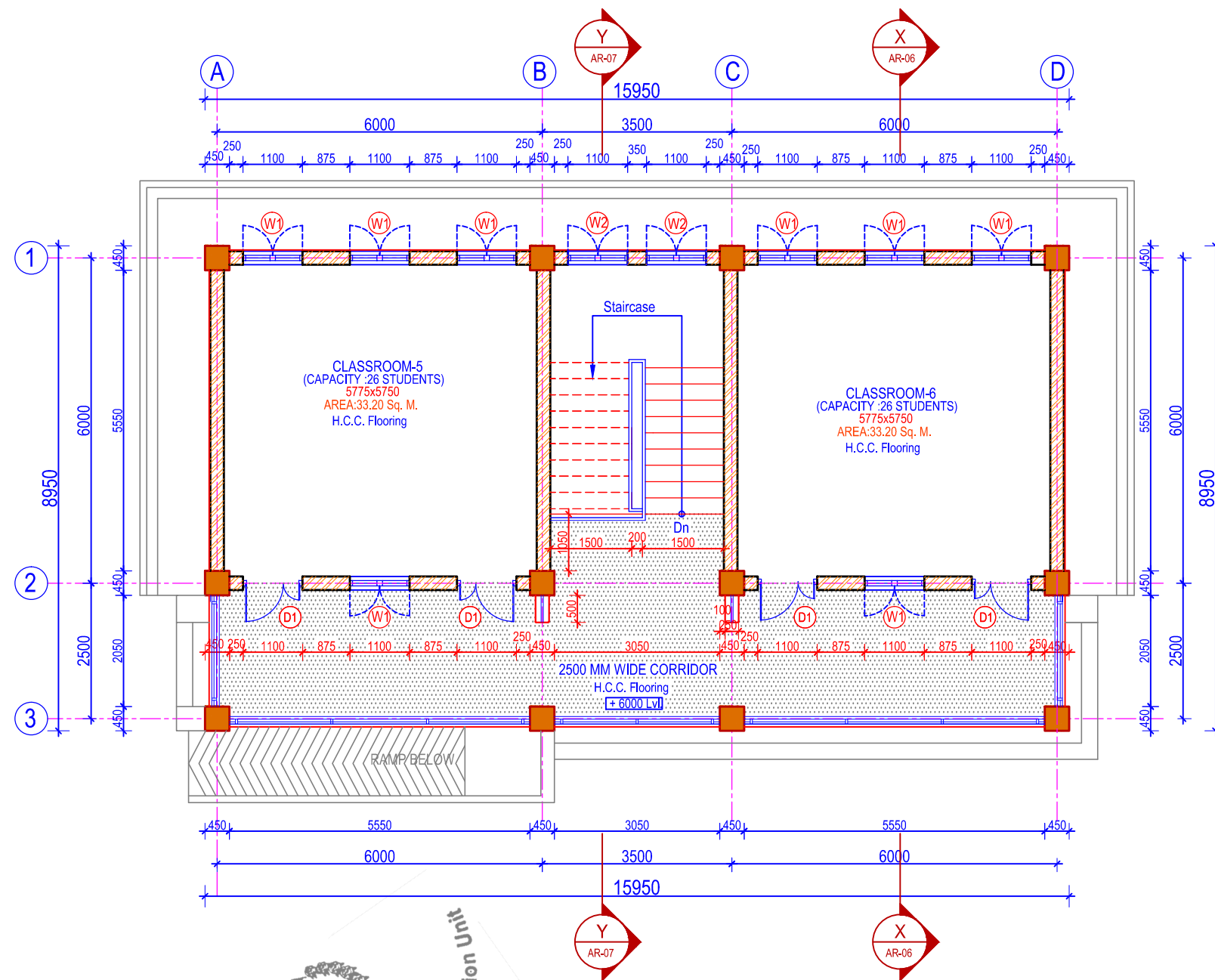
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Print Sheet : A'3' Size

A-02

0 1M 2M 3M 4M 5M  
1:100





## SECOND FLOOR PLAN

Area = 142.75 Sq. M.  
(Scale= 1:100)

0 1M 2M 3M 4M 5M  
1:100

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Mr. Wong Kuok Hung	Ms. M. Rana

### Type Design :

3 STOREY 6 SMALL CLASSROOMS

### Sheet Title :

SECOND FLOOR PLAN

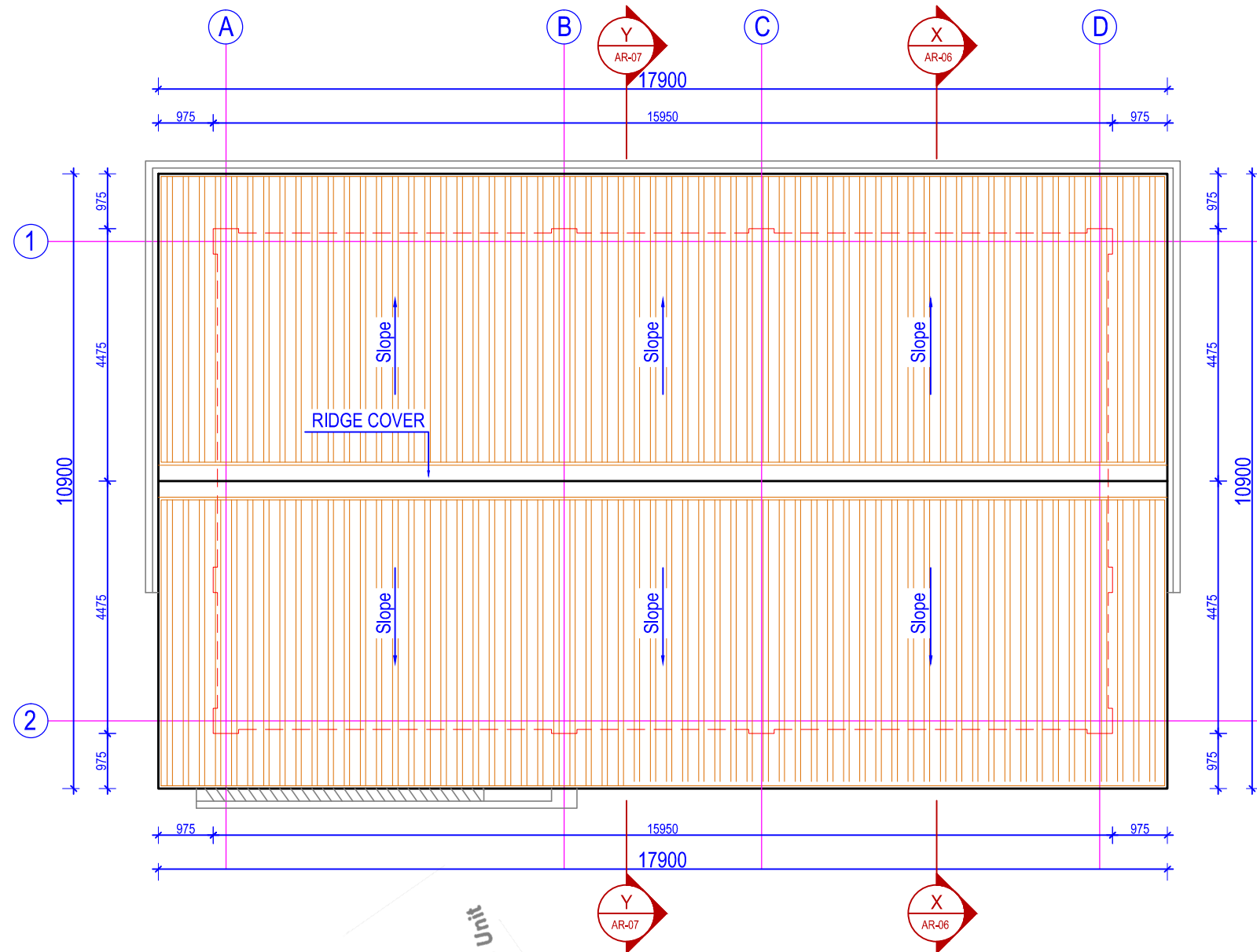
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3-6C  
(S)

Date : September, 2016

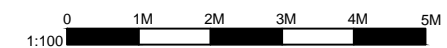
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A-03



ROOF PLAN

(Scale= 1:100)



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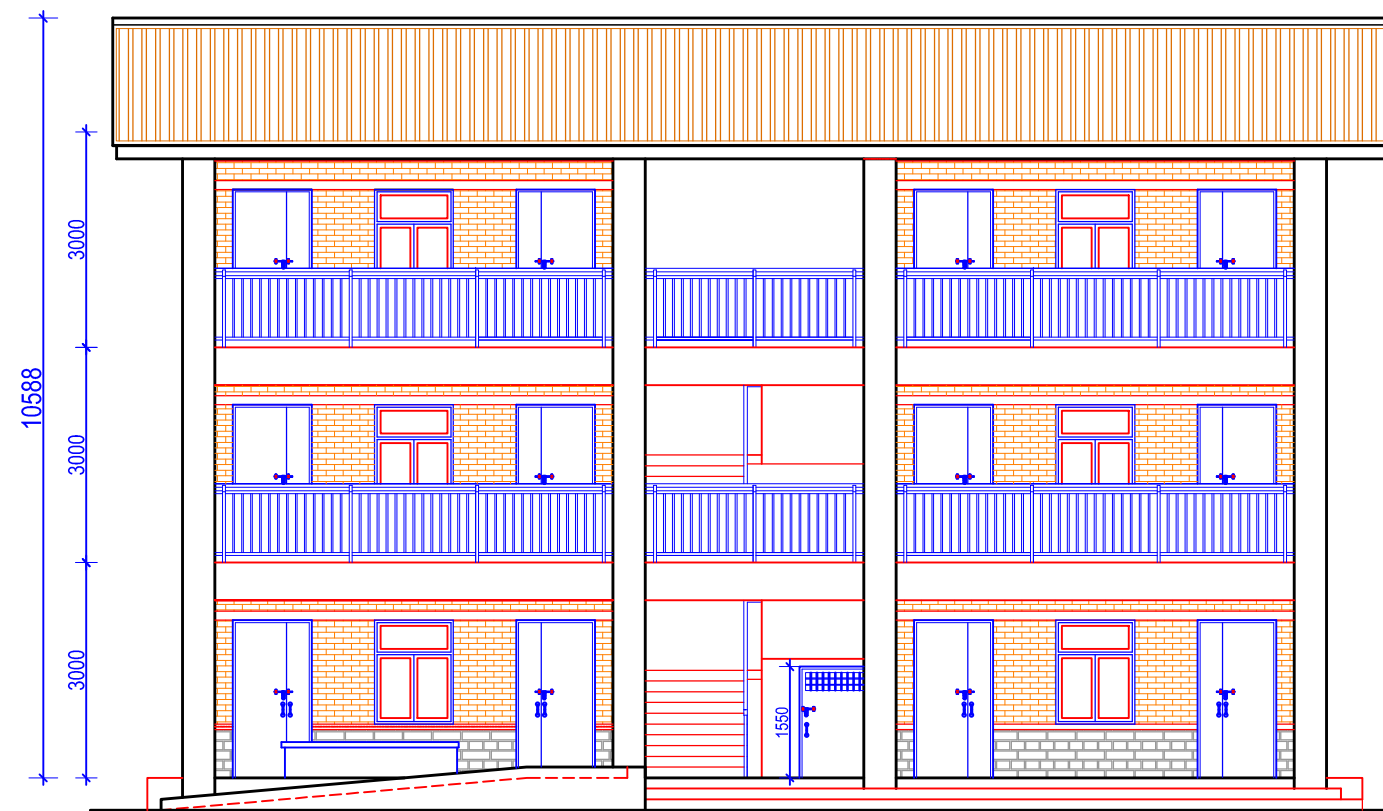
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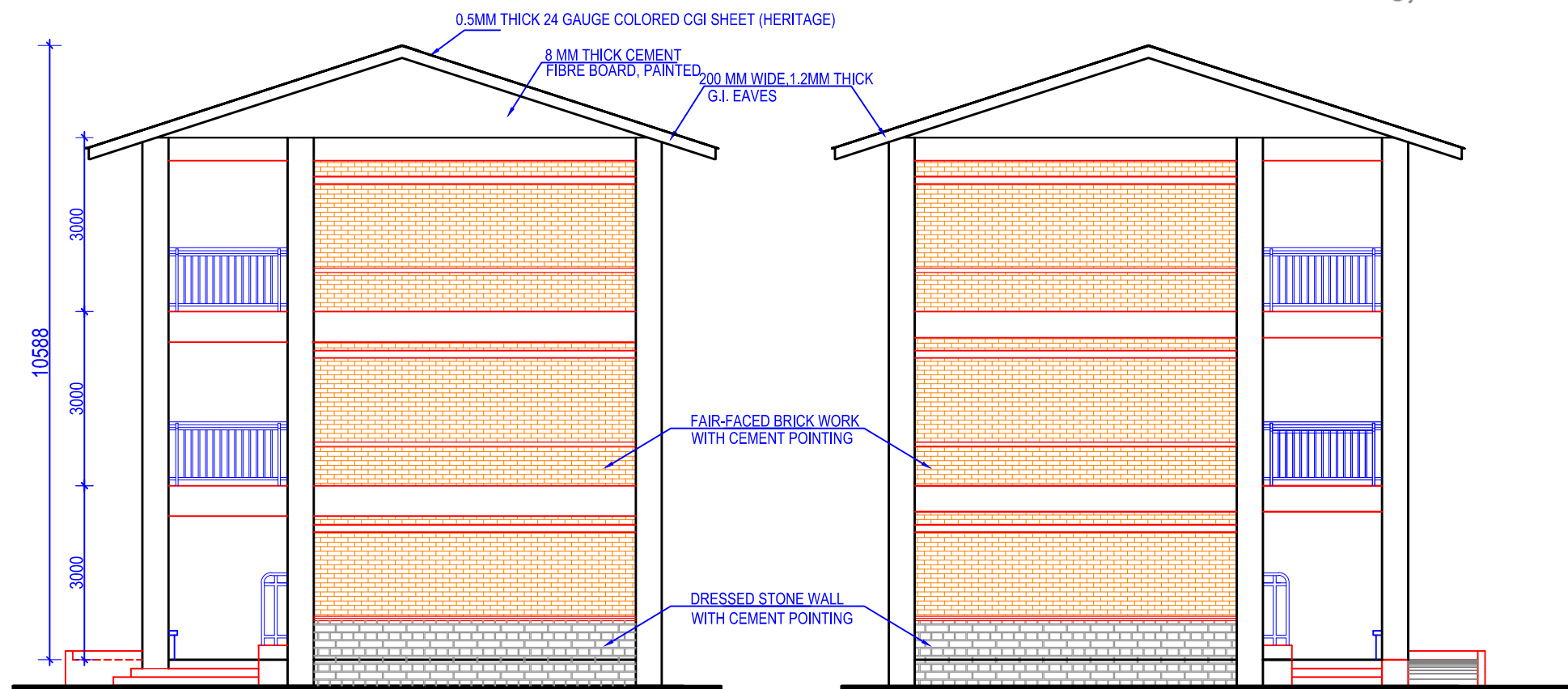
Type Design :  
3 STOREY 6 SMALL CLASSROOMS

Sheet Title : ROOF PLAN	Sheet No. 3-6C (S)
Date : September, 2016 Print Sheet : A'3' Size	A-04



FRONT ELEVATION

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Gyaneshwor, Kathmandu



SIDE ELEVATION

SIDE ELEVATION

0 1M 2M 3M 4M 5M  
1:100

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3 STOREY 6 SMALL CLASSROOMS

Sheet Title :  
ELEVATIONS

Sheet No.

3-6C  
(S)

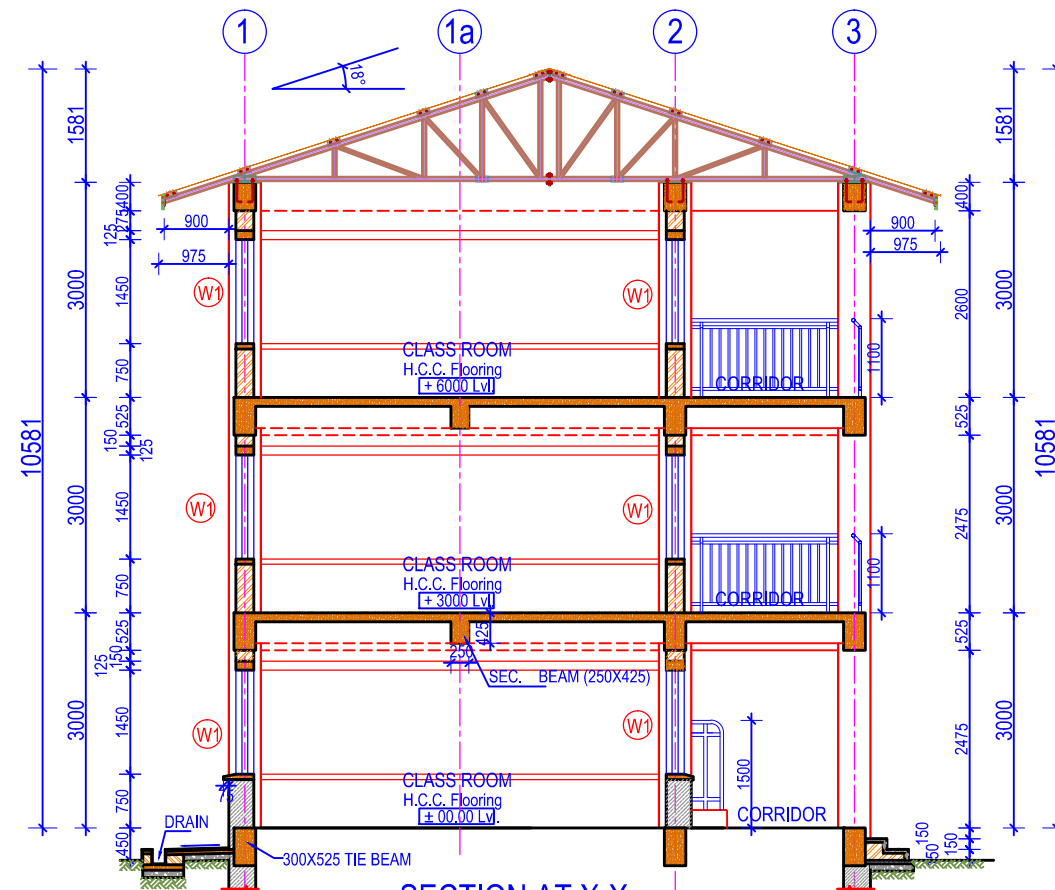
Date : September, 2016

Print Sheet : A'3' Size

A-05



BACK ELEVATION



SECTION AT X-X  
(Scale= 1:100)



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3 STOREY 6 SMALL CLASSROOMS

Sheet Title :  
ELEVATION & SECTION

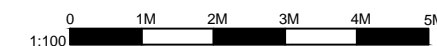
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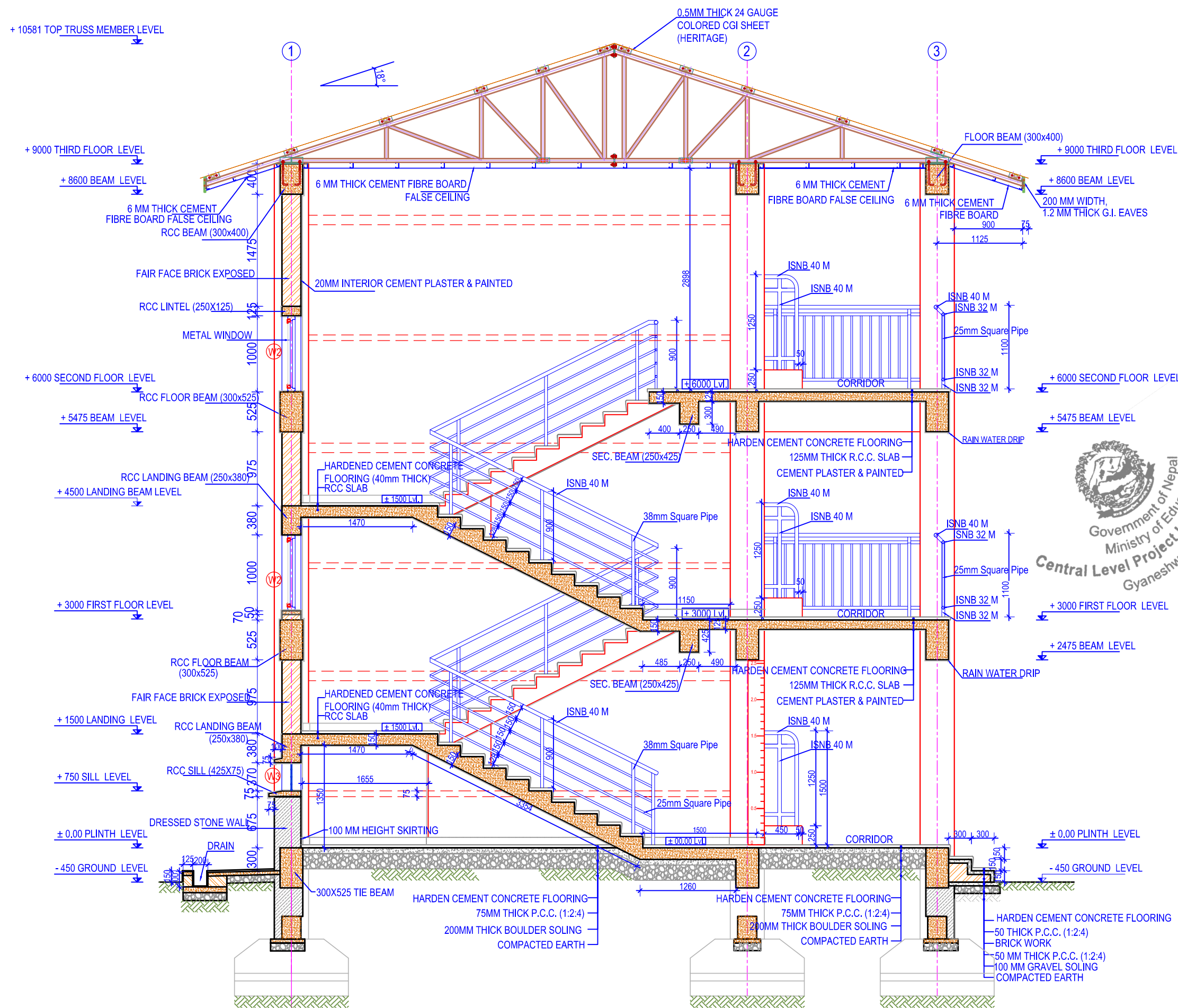
Date : September, 2016

Print Sheet : A'3' Size

A-06







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Type Design :  
3 STOREY 6 SMALL CLASSROOMS

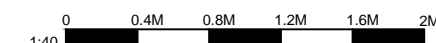
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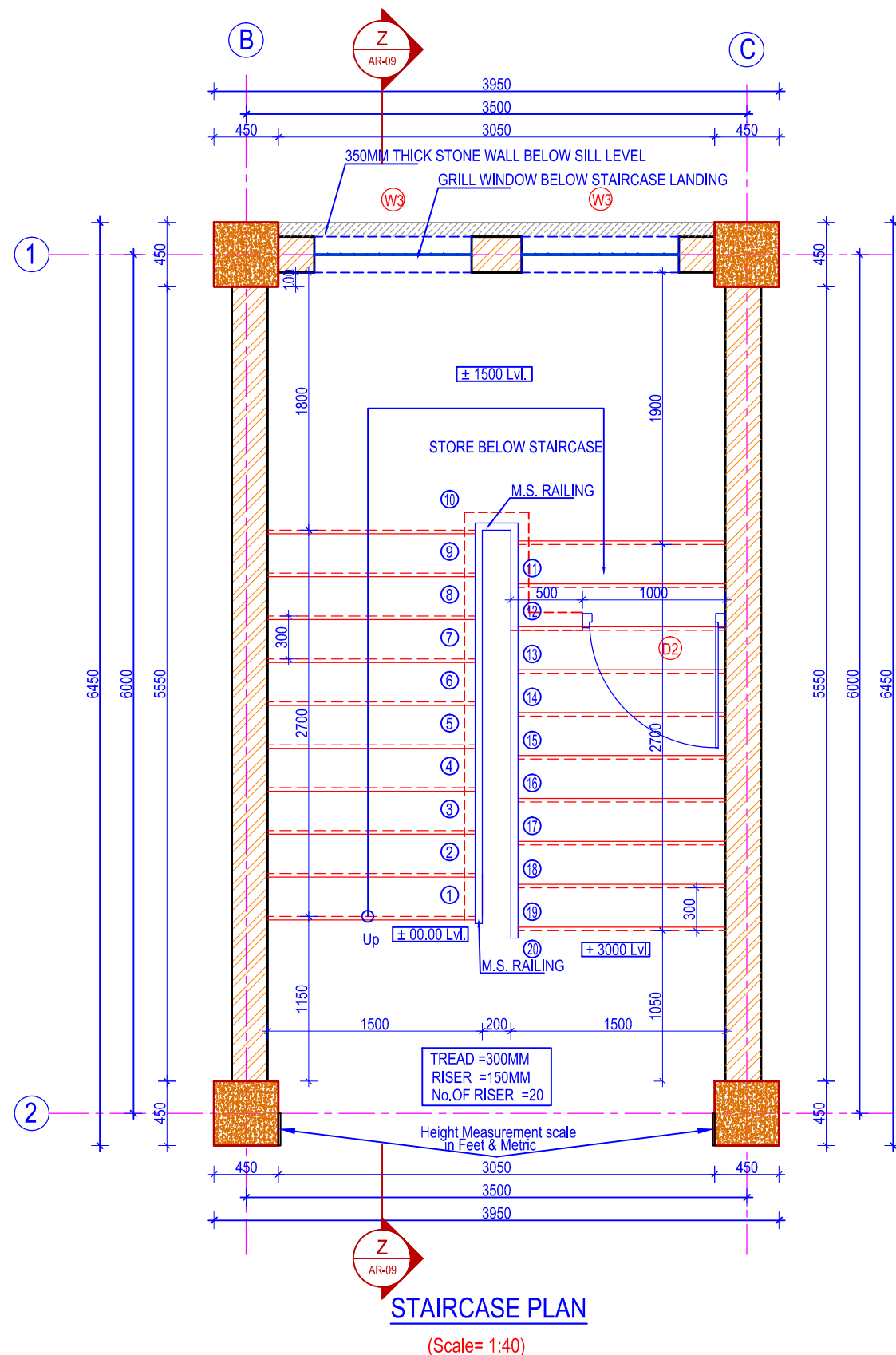
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(S)

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

A-07





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Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :  
STAIRCASE PLAN

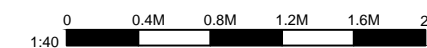
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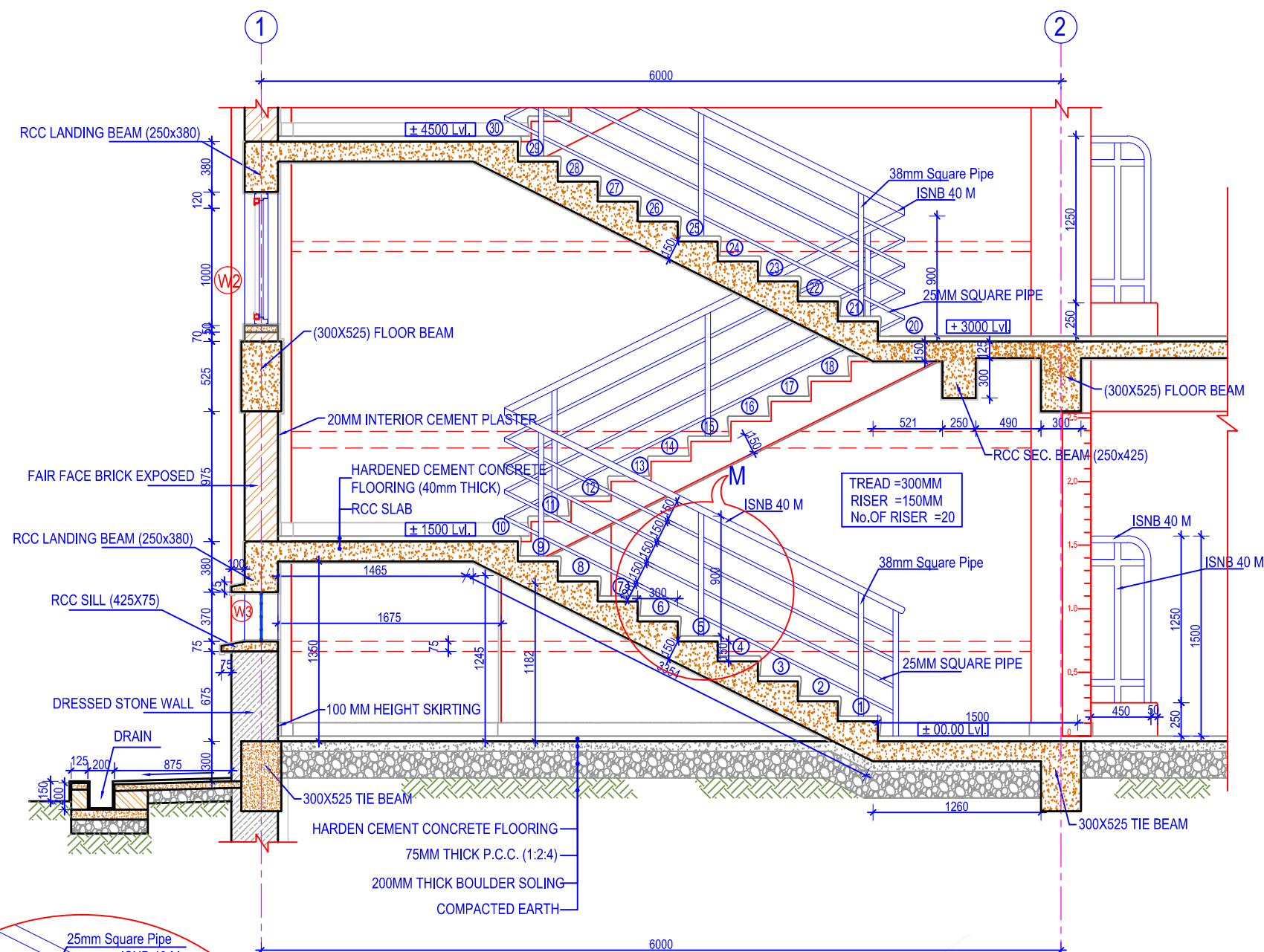
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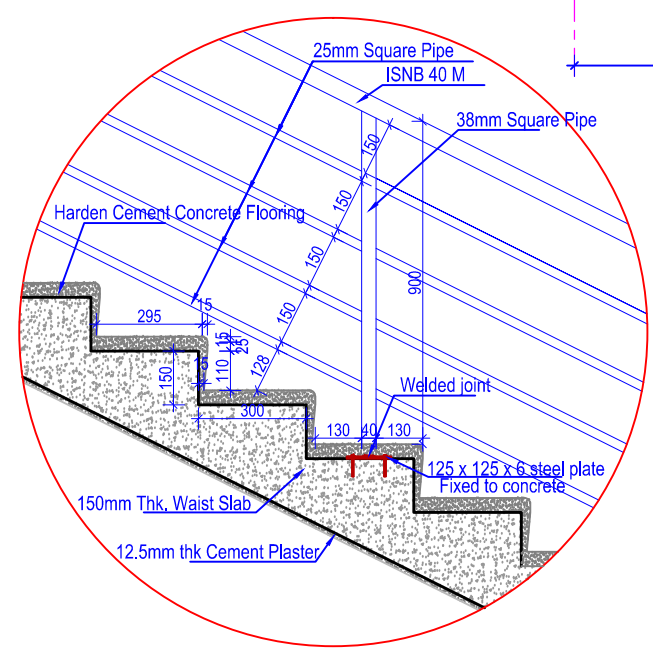
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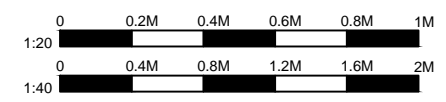




**STAIRCASE SECTION AT Z-Z**  
(Scale= 1:40)



**DETAIL AT M**  
(Scale= 1:20)



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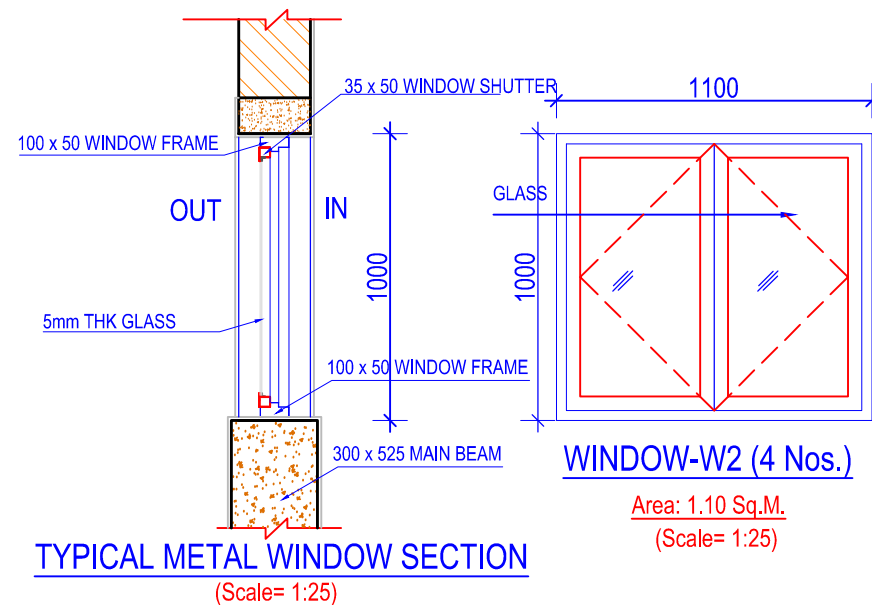
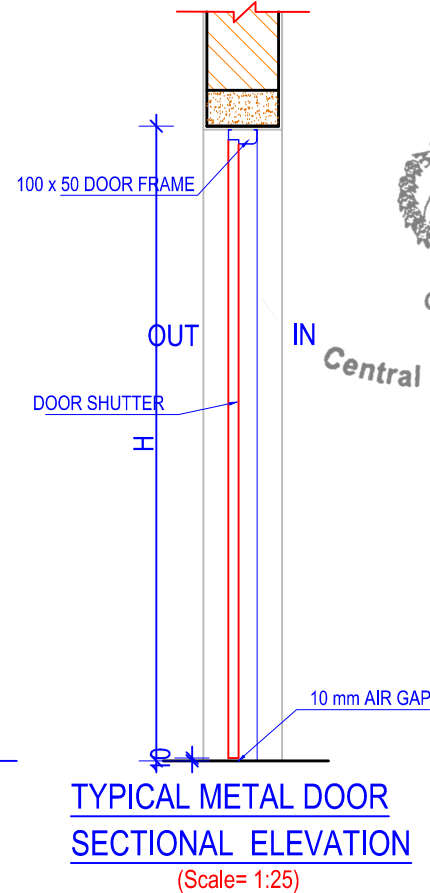
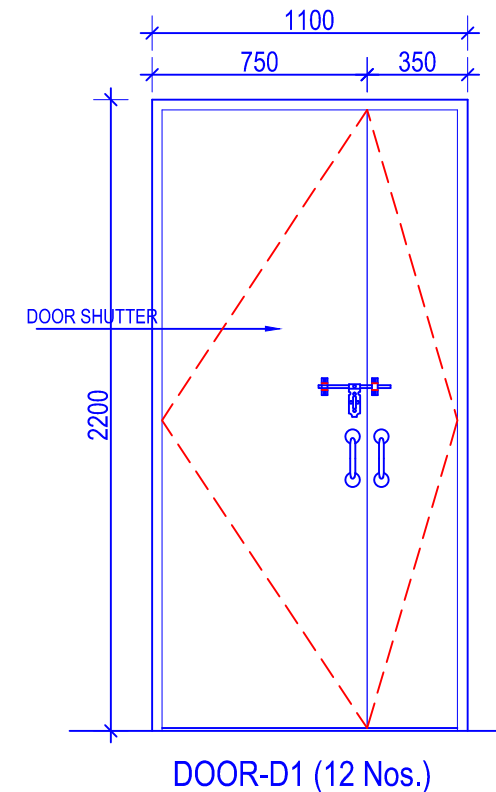
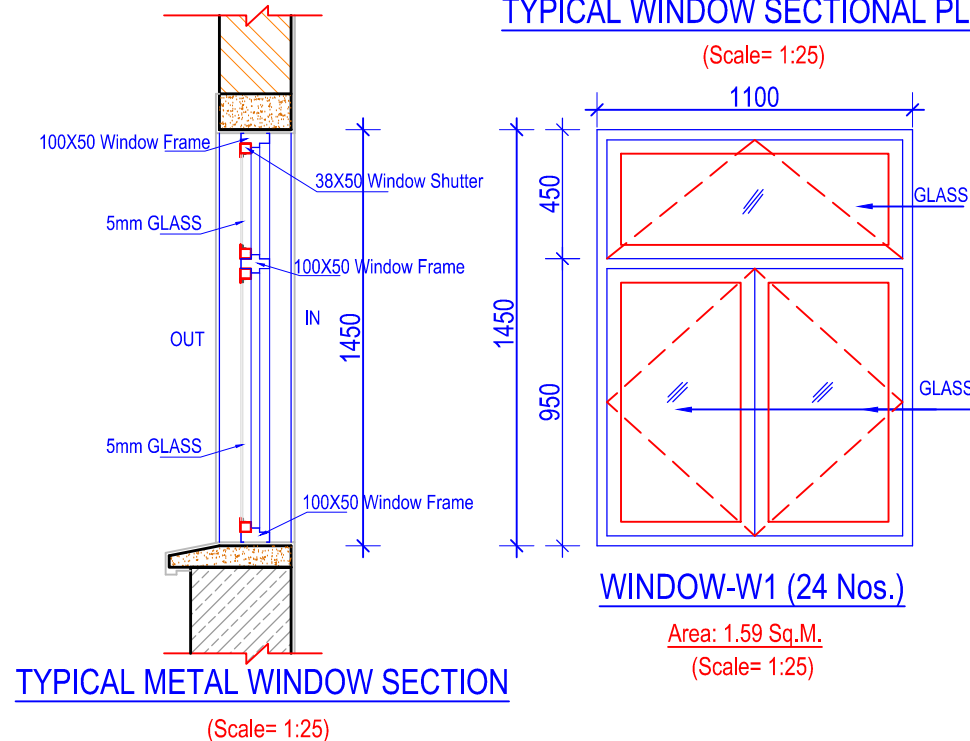
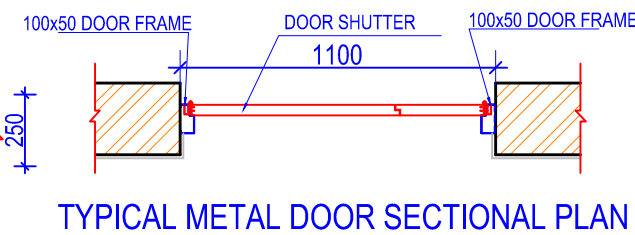
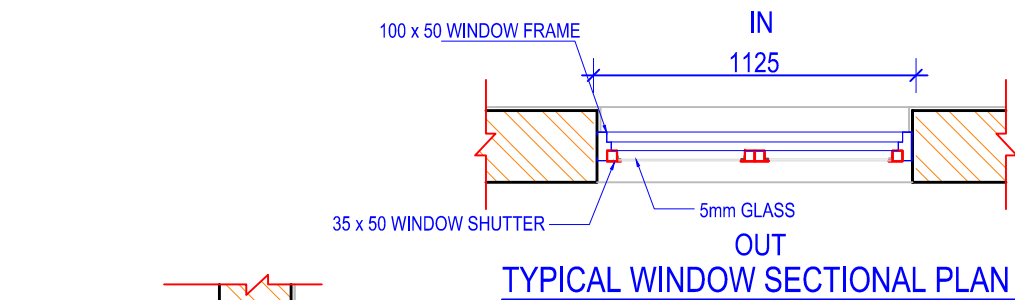
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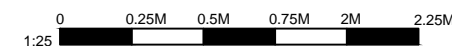
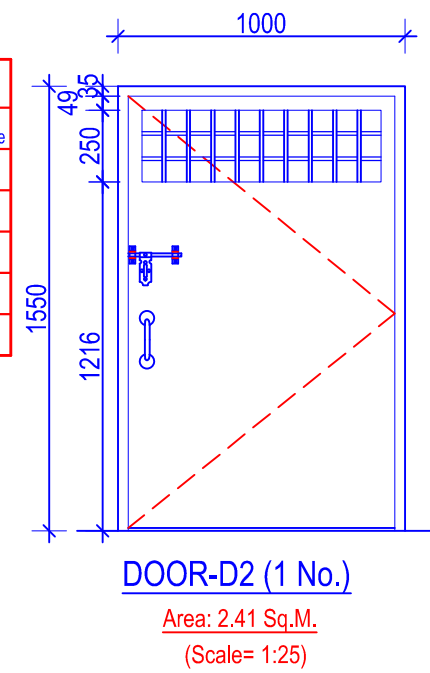
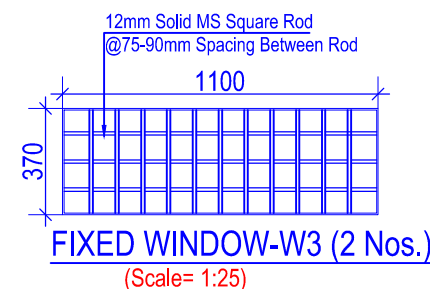
Type Design :  
**3 STOREY 6 SMALL CLASSROOMS**

Sheet Title : <b>STAIRCASE DETAIL</b>	Sheet No. <b>3-6C (S)</b>
Date : September, 2016	<b>A-09</b>
Print Sheet : A'3' Size	



#### DOORS & WINDOWS SCHEDULE:

S.N.	SYMBOL	SIZES	G.F.	F.F.	S.F.	TOTAL	REMARKS
1.	W1	1100 x 1450	8	8	8	24	MS Frame & Shutter With Grill For Ground Floor both sides, First & Second Floor Corridor Side
2.	W2	1100 x 1000	-	2	2	4	MS Frame & Shutter With Grill For First & Second Floor
3.	W3	1100 x 370	2	-	-	2	MS Solid Square Rod
4.	D1	1100 x 2200	4	4	4	12	MS Frame & Shutter
5.	D2	1000 x 1550	1	-	-	1	MS Frame & Shutter
TOTAL			15	12	14	43	



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Sheet Title :  
DOOR & WINDOW DETAIL

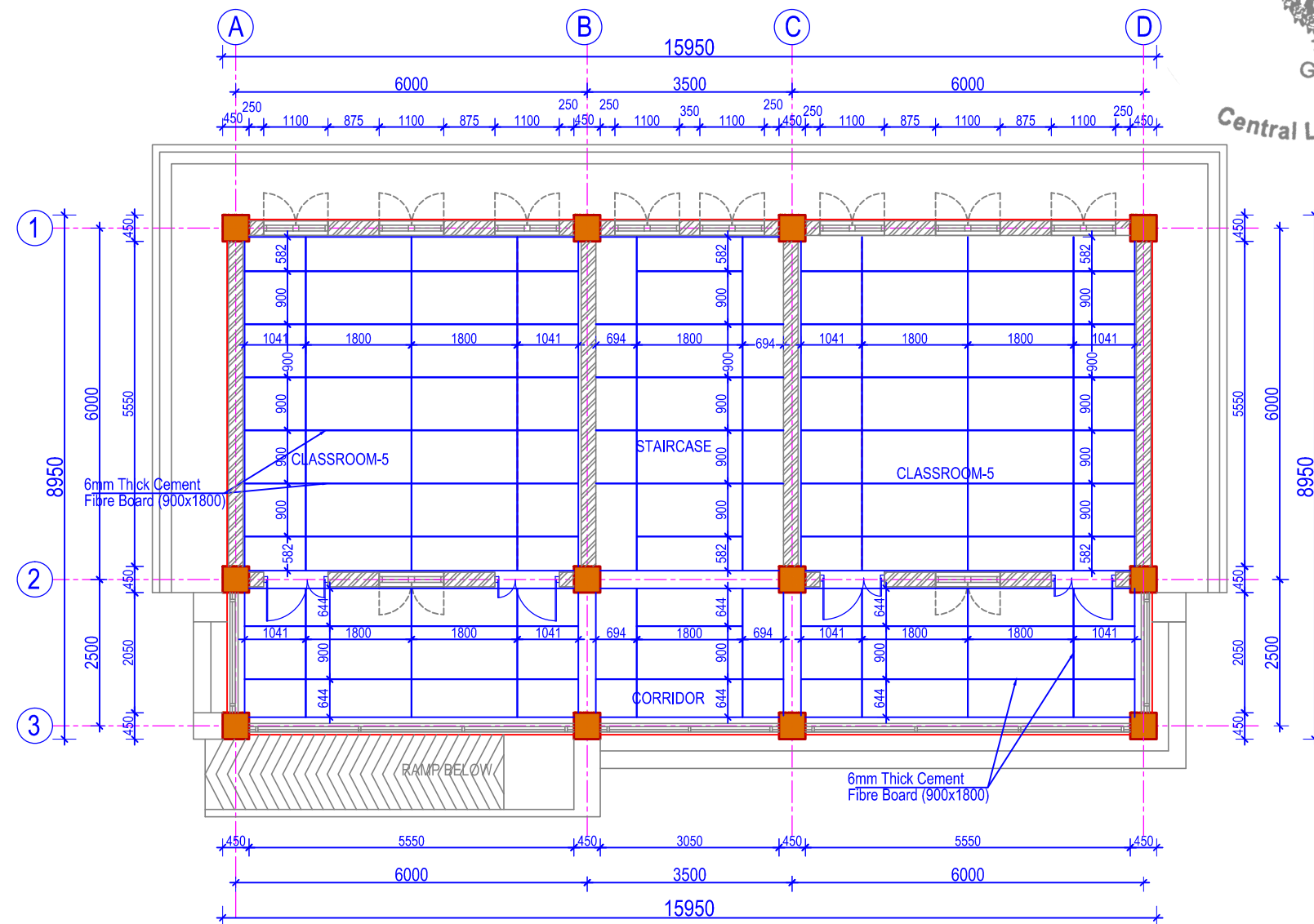
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A-10



**SECOND FLOOR FALSE CEILING LAYOUT PLAN**  
(Scale= 1:100)

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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.



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Cooperation Agency

Project Title:

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MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

**EWES** East West Engineering Service Pvt. Ltd.  
P. Box-8621, Banshari, Kathmandu, Nepal. web: ewesnepal.com  
Tel: 9771-4373316, Fax: 4650203, email: hbgewe@gmail.com

Mr. Tomoki Miyano	Mr. H.B. Gurung
Mr. Hisafumi Michikawa	Mr. A.S. Tamang
Mr. Wong Kuok Hung	Ms. M. Rana

Type Design :  
3 STOREY 6 SMALL CLASSROOMS

Sheet Title :  
FALSE CEILING  
LAYOUT PLAN

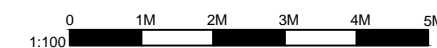
Sheet No.

3-6C  
(S)

Date : September, 2016

Print Sheet : A'3' Size

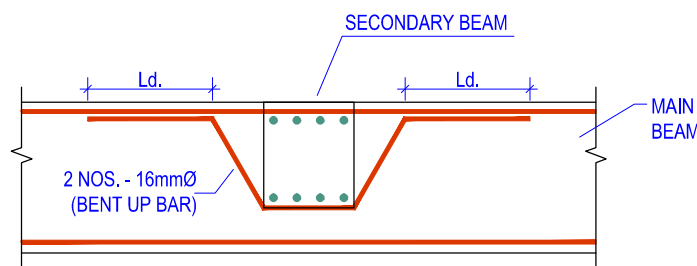
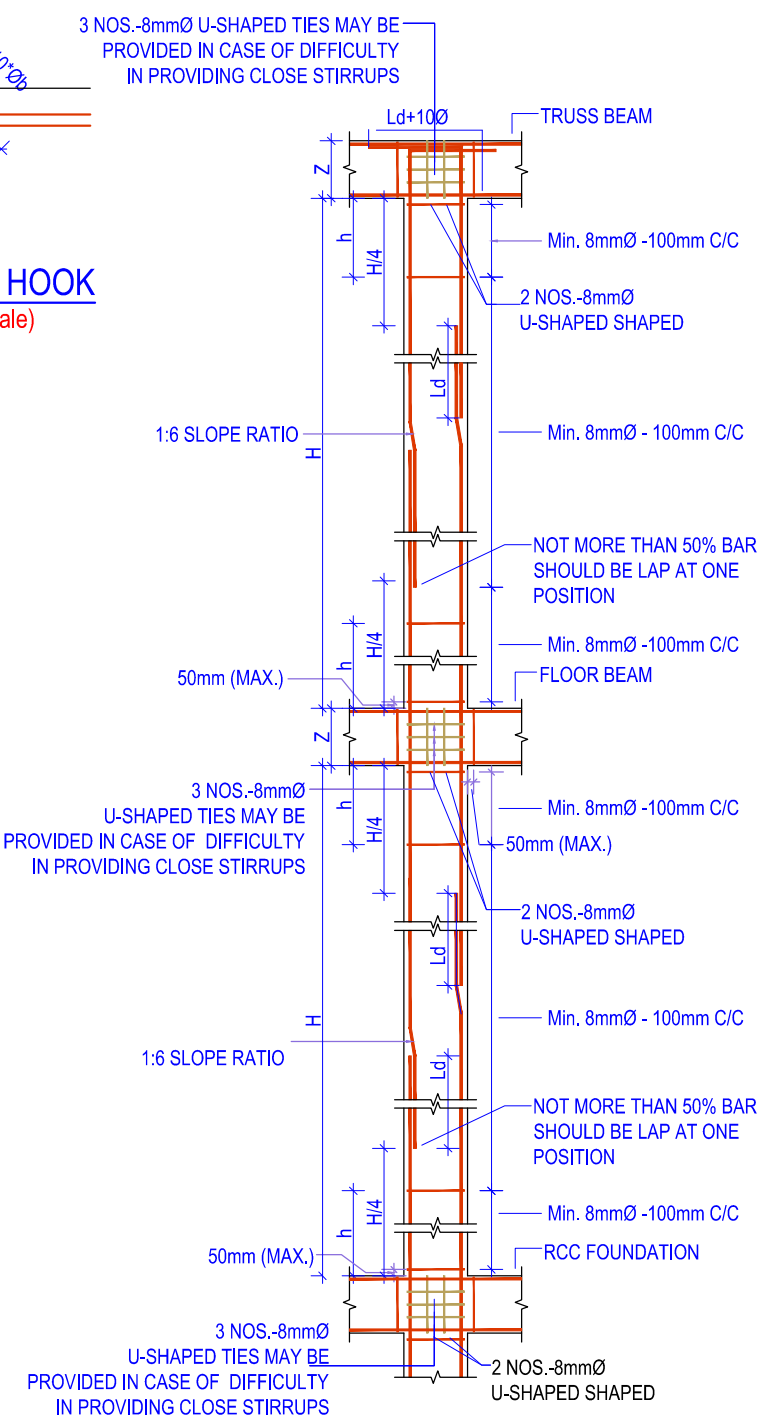
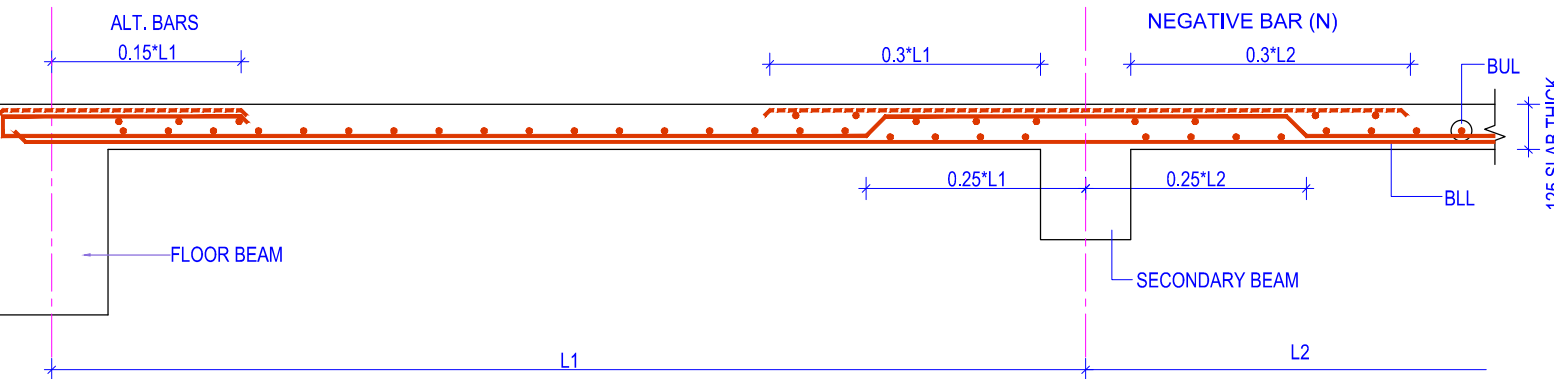
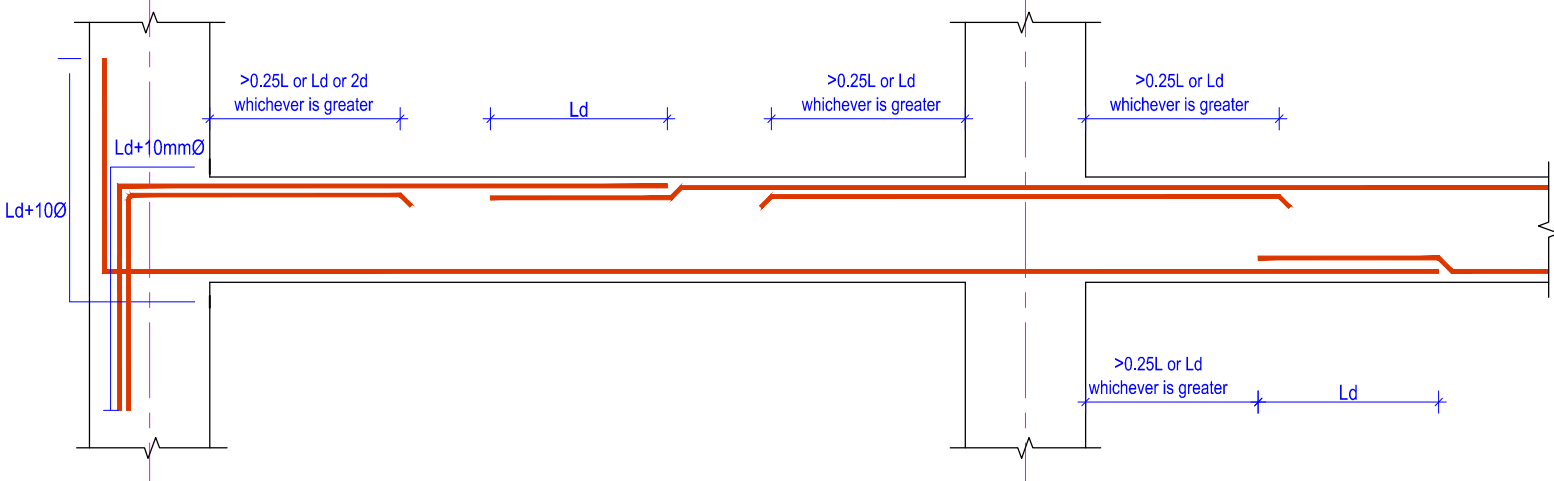
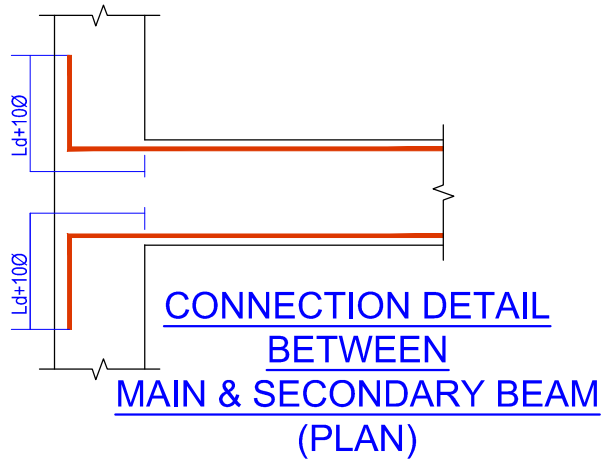
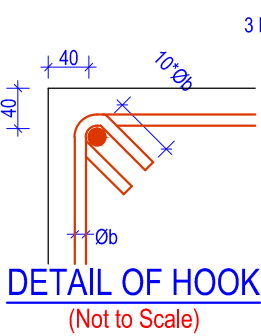
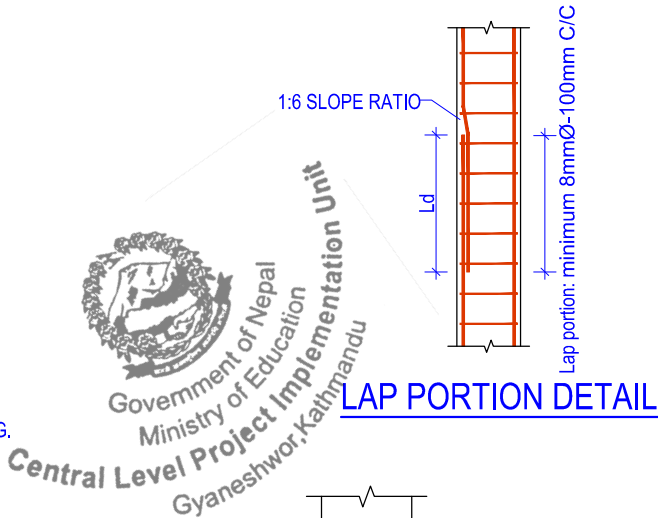
A-11



GENERAL NOTE:

- 1. USE M20 (1:1.5:3) GRADE CONCRETE FOR SLAB, BEAM, COLUMN, FOUNDATION, SILL & LINTEL BANDS (ALL RCC WORKS)
- 2. USE Fe500 GRADE STEEL ( $f_y=500\text{N/mm}^2$ ) for stirrups Fe415 N/mm2
- 3. CLEAR COVER TO BARS
  - a. FOR CONCRETE MEMBERS IN CONTACT WITH SOIL = MIN 50mm
  - b. FOR LONGITUDINAL (VERTICAL) BARS IN COLUMN = 40mm
  - c. FOR MAIN BARS IN BEAMS = 25mm
  - d. FOR OUTER BARS IN SLAB = 20mm
- 4. BARS IN COLUMNS SHALL BE SPLICED ONLY AT MID HEIGHT OF COLUMN AS PER DUCTILE DETAILING IS 13920- 2014
- 5. BARS SPLICING IN BEAM SHALL BE AVOIDED IN THE SPAN WHERE INTERMEDIATE BEAM IS CONNECTED AND SHALL BE ONLY AS SHOWN ON DWG.
- 6. DEVELOPMENT / LAP LENGTH ( $L_d$ ) FOR BARS.
- 7. TEMP./DISTRIBUTION REINFORCEMENT FOR SLAB - TMT 8Ø @ 150 C/C
- 8. CLEAR VERTICAL DISTANCE BETWEEN TWO ROWS (LAYERS) OF BARS=25mm.
- 9. PROVIDE SHEAR REINFORCEMENT AT 100 C/C AT LAP LOCATIONS.
- 10.  $H$  = CLEAR SPAN OF FLOOR.
- 11.  $h$  =  $H/6$  OR 450mm OR LARGER LATERAL DIMENSION OF THE MEMBER ,WHICHEVER IS GREATER.
- 12.  $Z$  = DEPTH OF BEAM.
- 13. STRUCTURAL STEEL SHALL HAVE STRENGTH  $F_y$  345MPa
- 14. FOUNDATION TYPE SHOULD BE DECIDED BY SITE CONDITION AFTER EXCAVATION OF FOUNDATION.
- 15. IF BEARING CAPACITY IS LESS THAN 50 kN/m2, FOUNDATION SHOULD BE RE-DESIGNED.
- 16. PROVIDE 2-16dia TORSION BARS IN 525mm DEEP BEAM

BAR DIA-(mm)	8	10	12	16	20	25	32
FOR M20 $L_d$	480	600	720	960	1200	1500	1920



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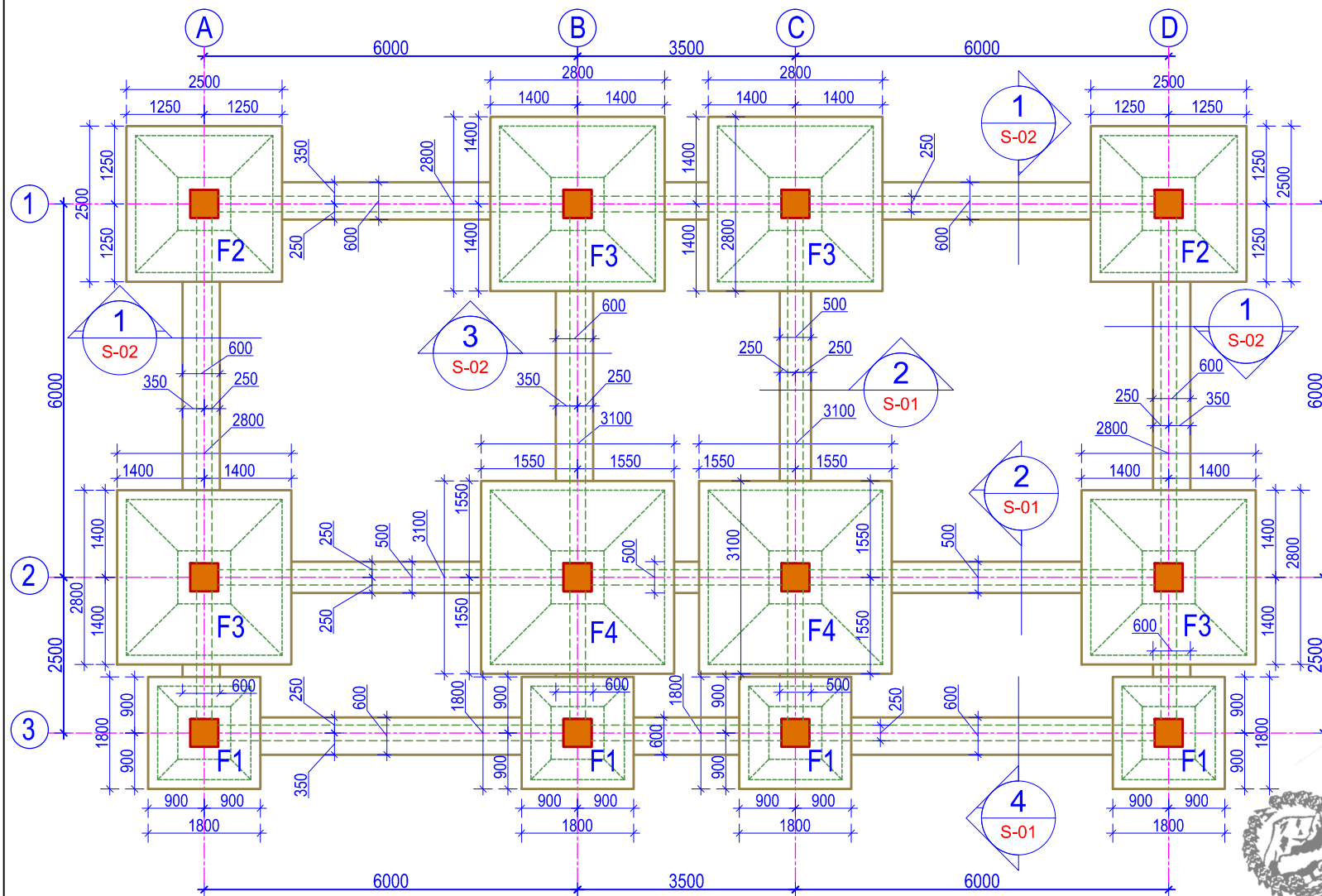
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Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :  
3 STOREY 6 SMALL CLASSROOMS

Sheet Title : GENERAL NOTES & TYPICAL DETAILS	Sheet No. 3-6C (S)
Date : September, 2016	S-00
Print Sheet : A3' Size	



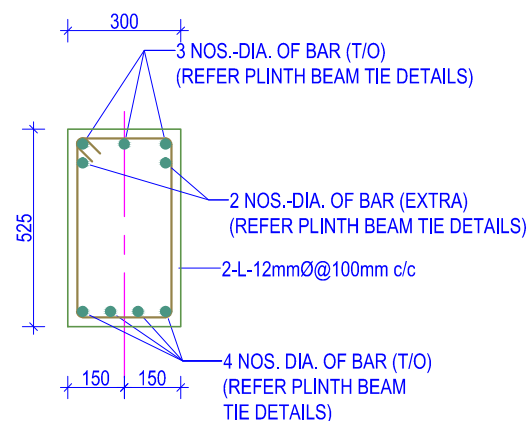


**TRENCH PLAN**

(Scale= 1:100)

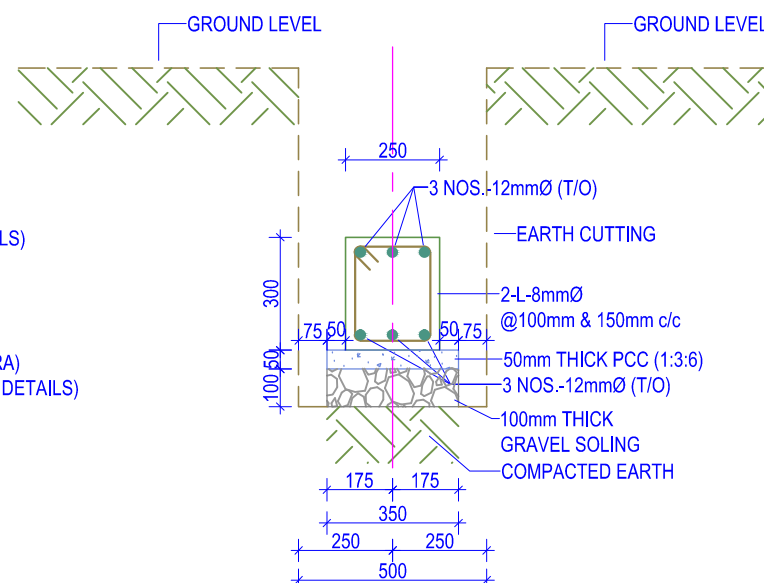
**FOOTING TABLE**

S.N.	FOOTING	LENGTH	BREADTH	DEPTH
1.	F1	1500	1500	450
1.	F2	2200	2200	450
1.	F3	2500	2500	450
1.	F4	2800	2800	450



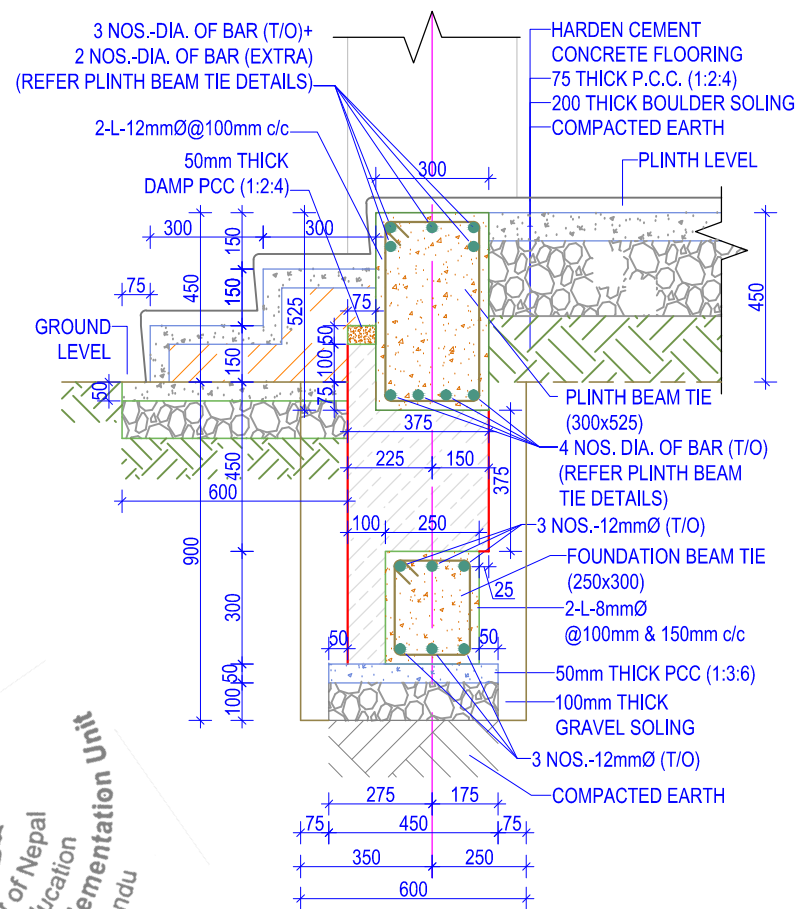
**PLINTH BEAM TIE SECTION DETAIL AT -2**

(SCALE = 1:20)



**FOUNDATION BEAM TIE SECTION DETAIL AT -2**

(SCALE = 1:20)

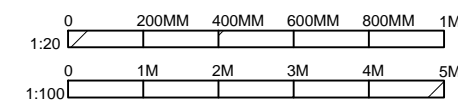


**WALL FOUNDATION DETAIL SECTION AT -4**

(Scale= 1:20)

**Footing Design for 3-6C(S)**

Soil Bearing Capacity	Grid	Foundation Size L x B (mm)	Thickness (mm)	Reinforcement Each way (AS)
Above 180 kN/m <sup>2</sup>	A3, B3, C3, D3	1500 x 1500	450	12Ø - 150 c/c
	A1, D1	1800 x 1800	450	12Ø - 150 c/c
	B1, C1, A2, D2	2000 x 2000	450	12Ø - 150 c/c
	B2, C2	2200 x 2200	450	12Ø - 150 c/c
101-180 kN/m <sup>2</sup>	A3, B3, C3, D3	1500 x 1500	450	12Ø - 150 c/c
	A1, D1	2200 x 2200	450	12Ø - 150 c/c
	B1, C1, A2, D2	2500 x 2500	450	12Ø - 150 c/c
	B2, C2	2800 x 2800	450	12Ø - 150 c/c
50-101 kN/m <sup>2</sup>	A3, D3	1800 x 1800	450	12Ø - 150 c/c
	B3, C3	2000 x 2000	450	12Ø - 150 c/c
	A1, D1	3200 x 3200	450	12Ø - 150 c/c
	B1, C1, A2, D2	3600 x 3600	450	12Ø - 150 c/c
	B2, C2	4000 x 4000	450	12Ø - 150 c/c



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Mr. Hisafumi Michikawa Mr. A.S. Tamang  
Mr. Wong Kuok Hung Mr. S. Malla

Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :

TRENCH PLAN,  
TIE BEAM DETAILS &  
WALL FOUNDATION DETAIL

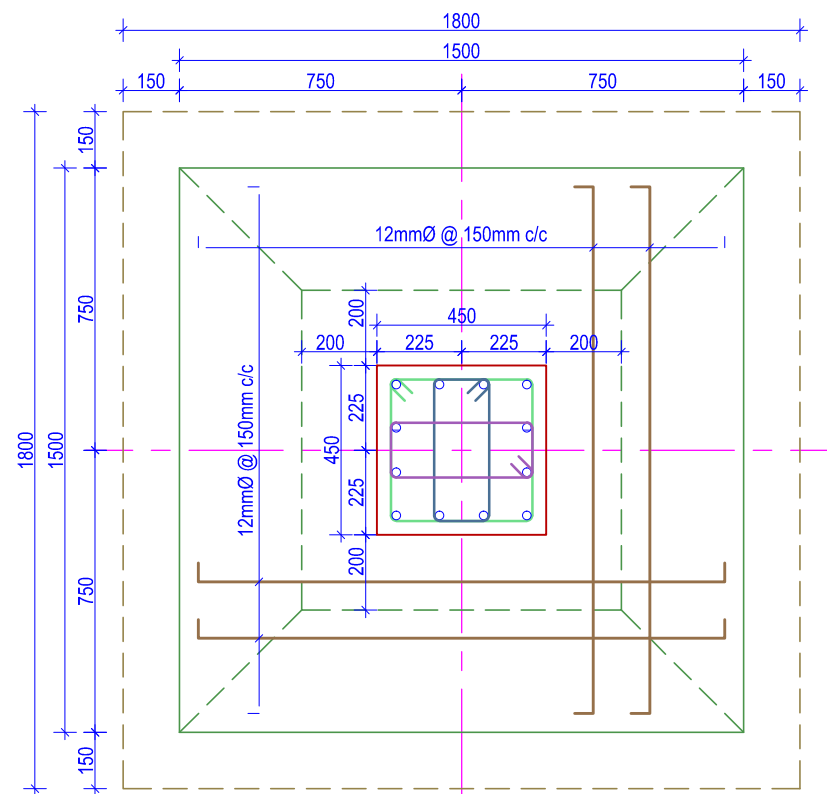
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**3-6C  
(S)**

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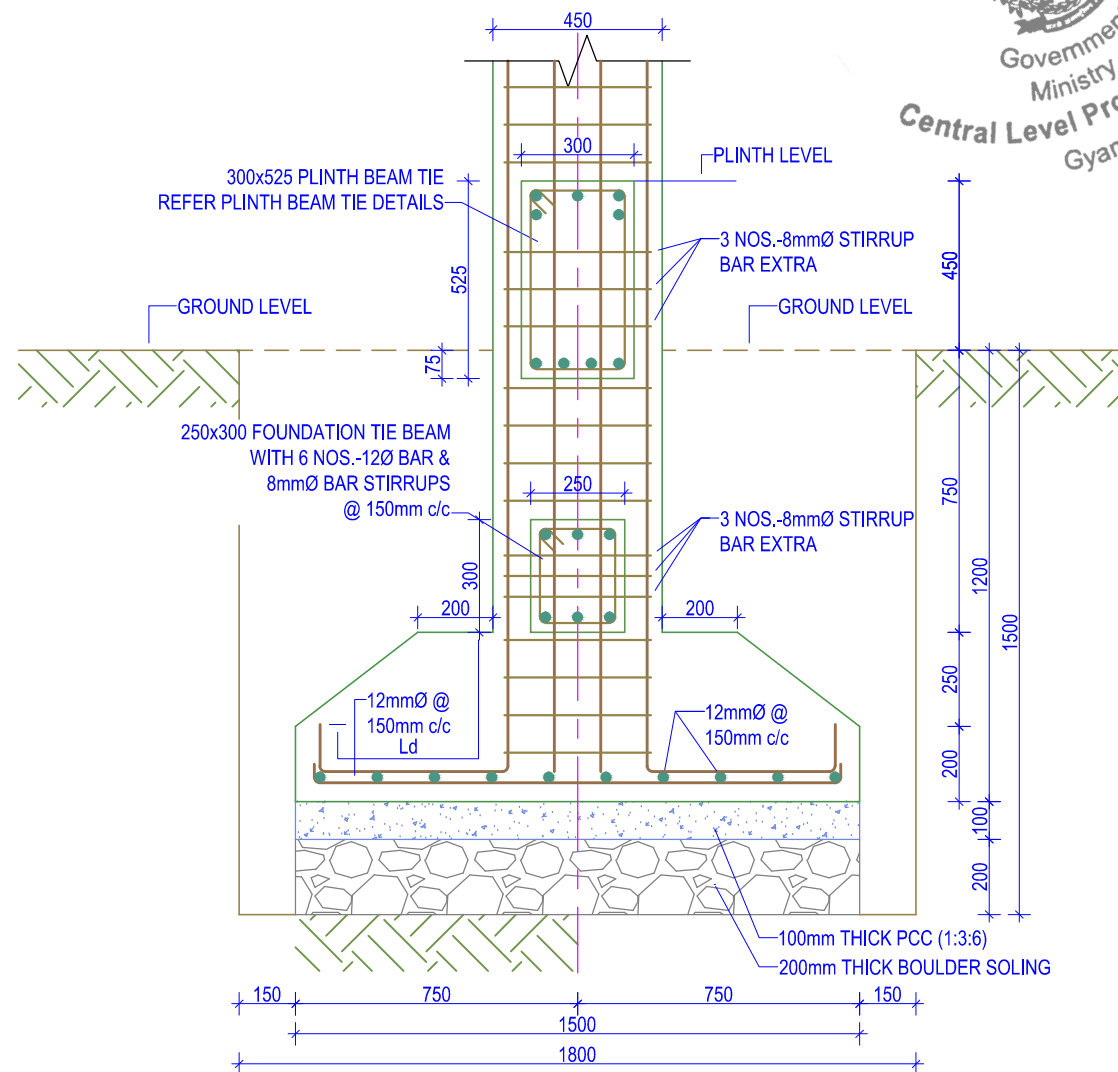
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**S-01**



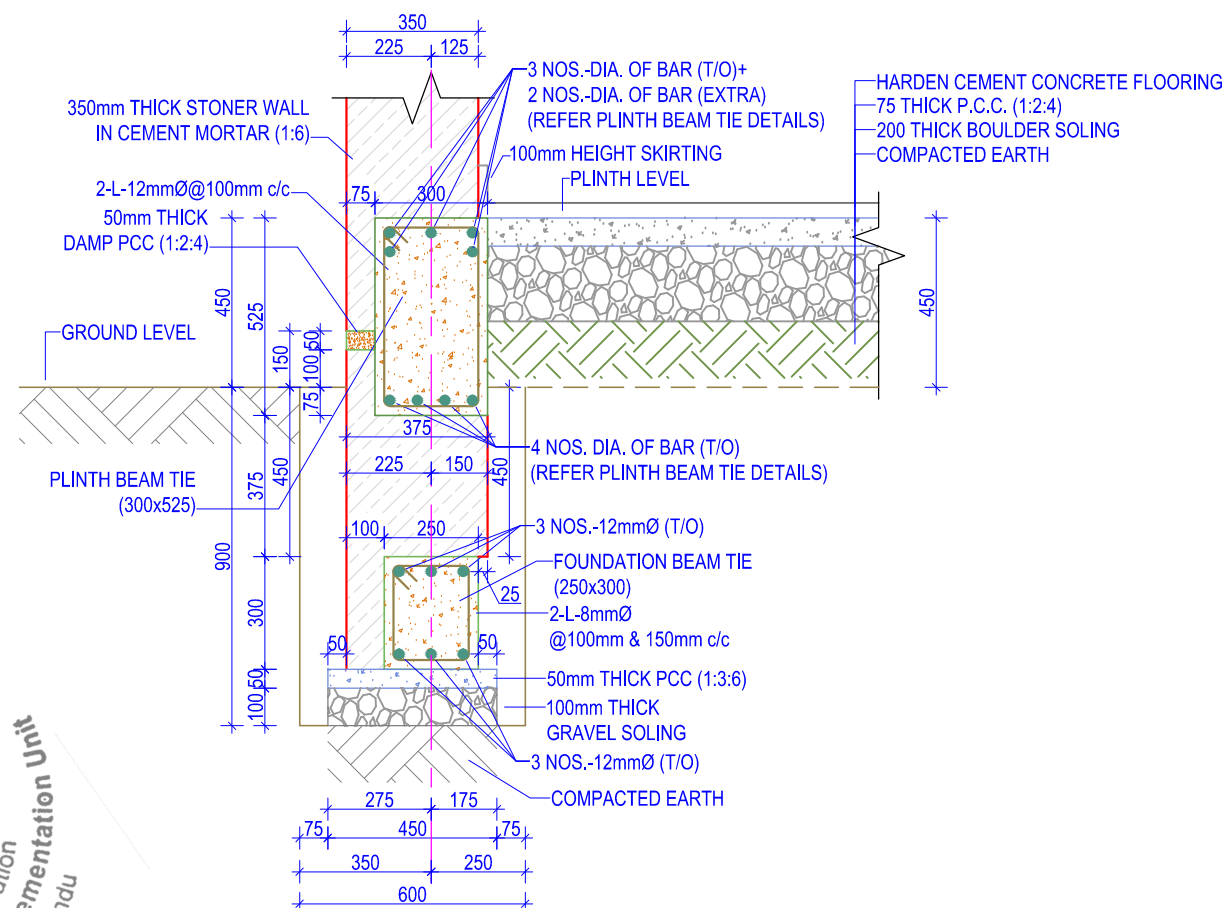
**COLUMN FOOTING PLAN -F1**

(Scale= 1:20)



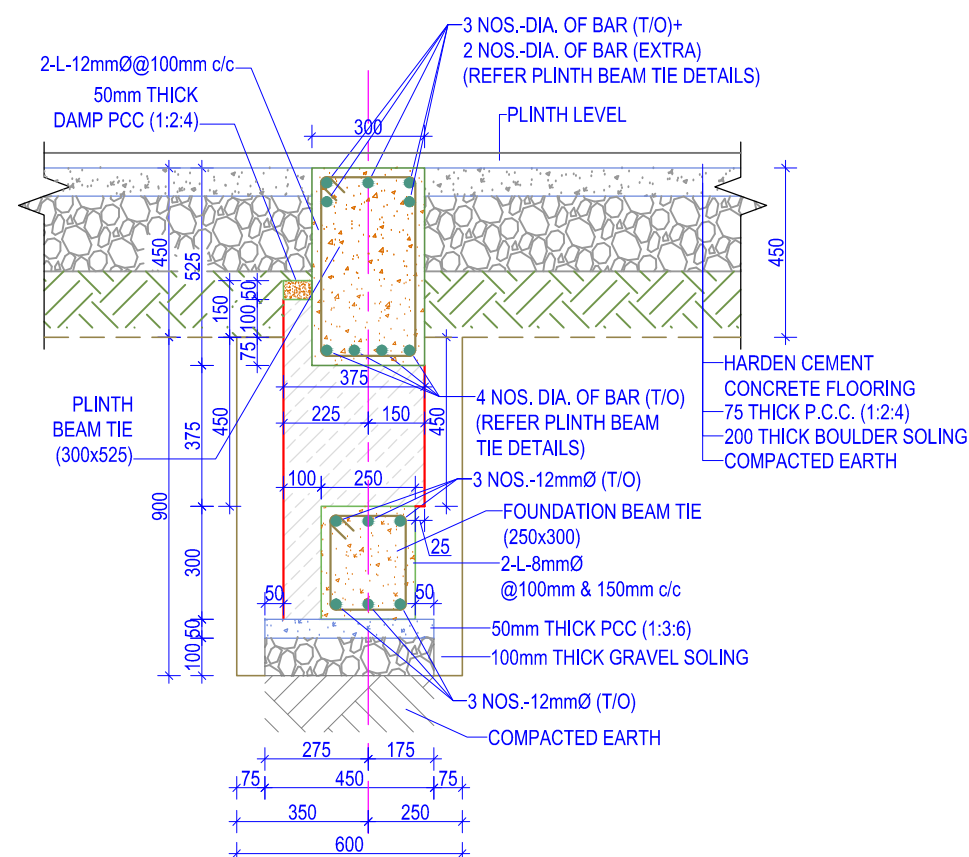
**COLUMN FOOTING SECTION -F1**

(Scale= 1:20)



**WALL FOUNDATION DETAIL SECTION AT -1**

(Scale= 1:20)



**WALL FOUNDATION DETAIL SECTION AT -3**

(Scale= 1:20)

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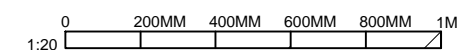
**EWES** East West Engineering Service Pvt. Ltd.  
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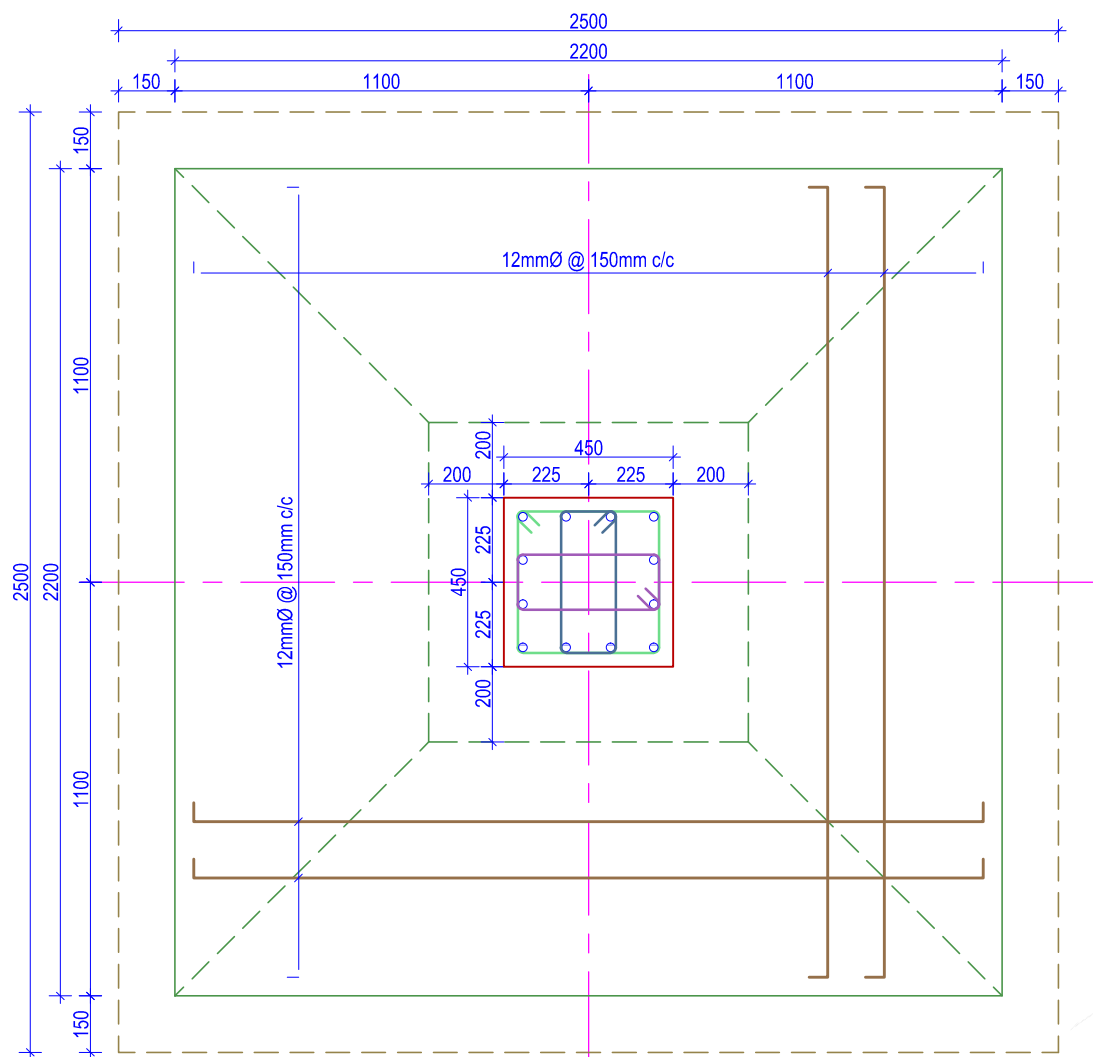
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**3 STOREY 6 SMALL CLASSROOMS**

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Date : September, 2016	<b>S-02</b>
Print Sheet : A'3' Size	

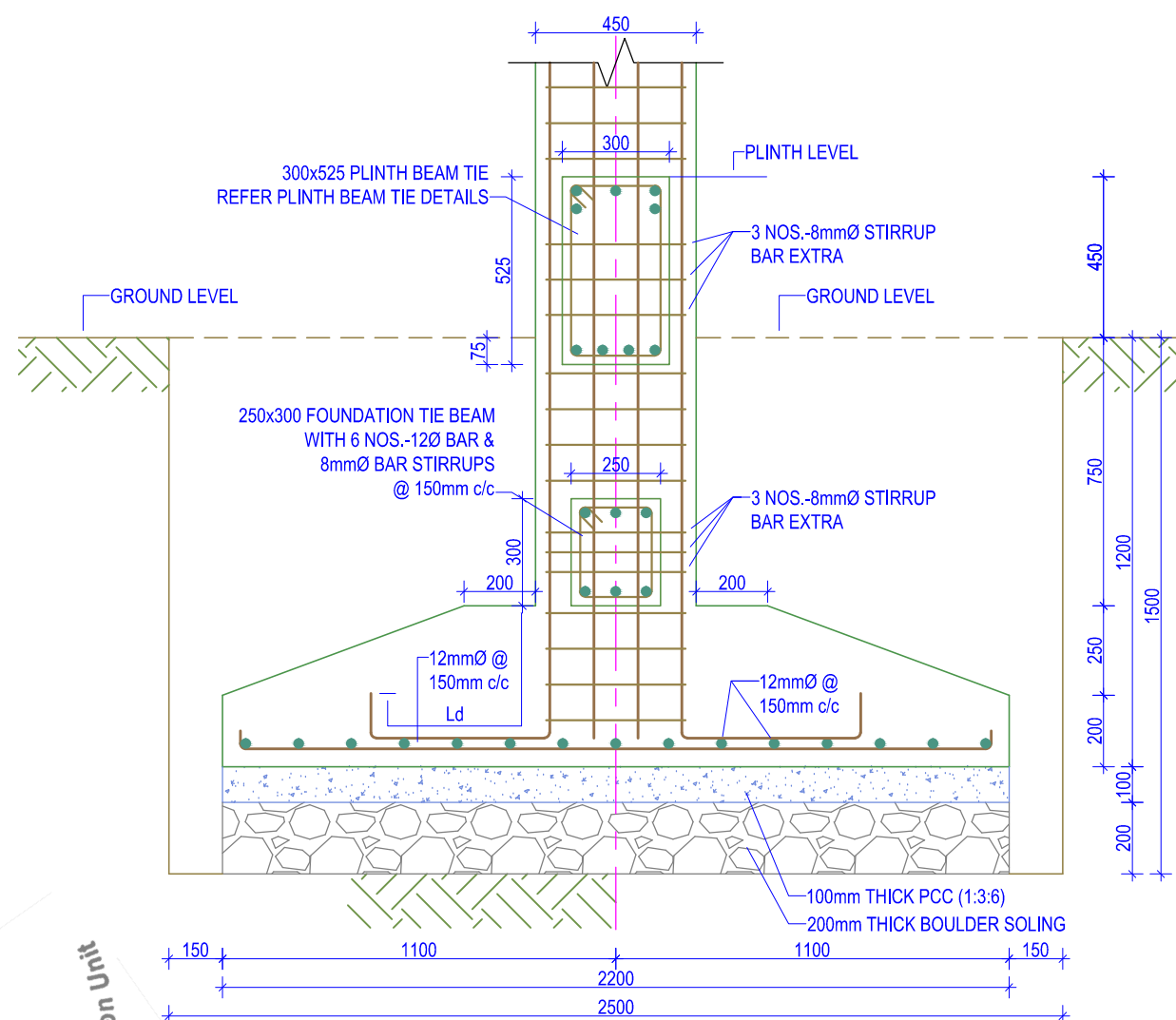






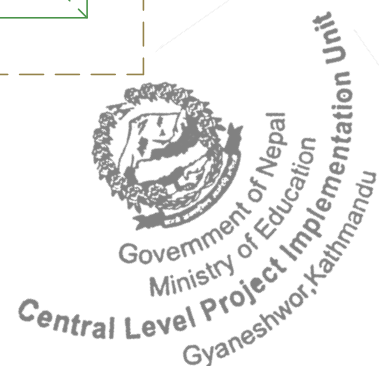
**COLUMN FOOTING PLAN -F2**

(Scale= 1:20)



**COLUMN FOOTING SECTION -F2**

(Scale= 1:20)



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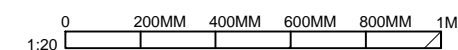
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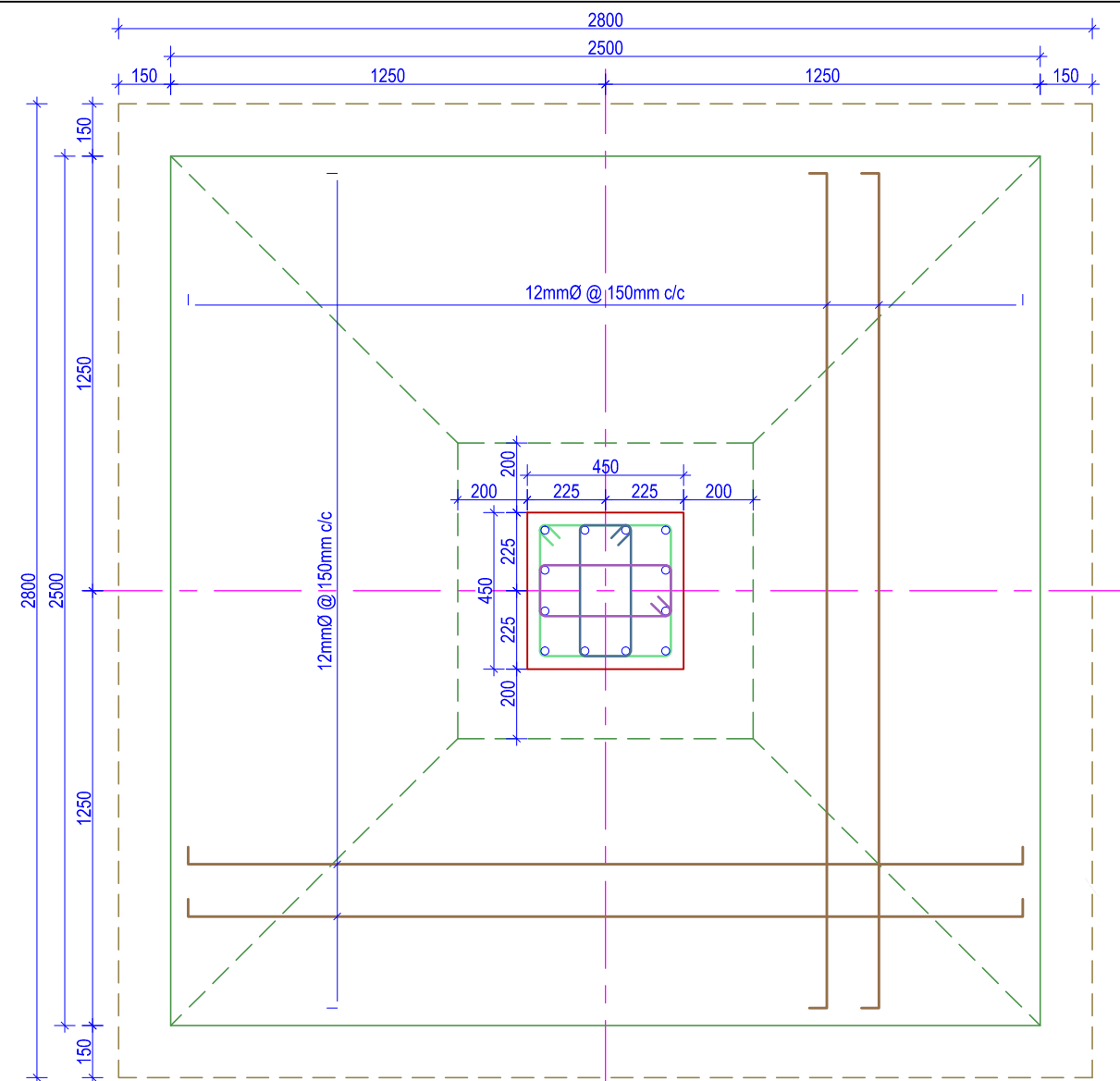
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Type Design :  
**3 STOREY 6 SMALL CLASSROOMS**

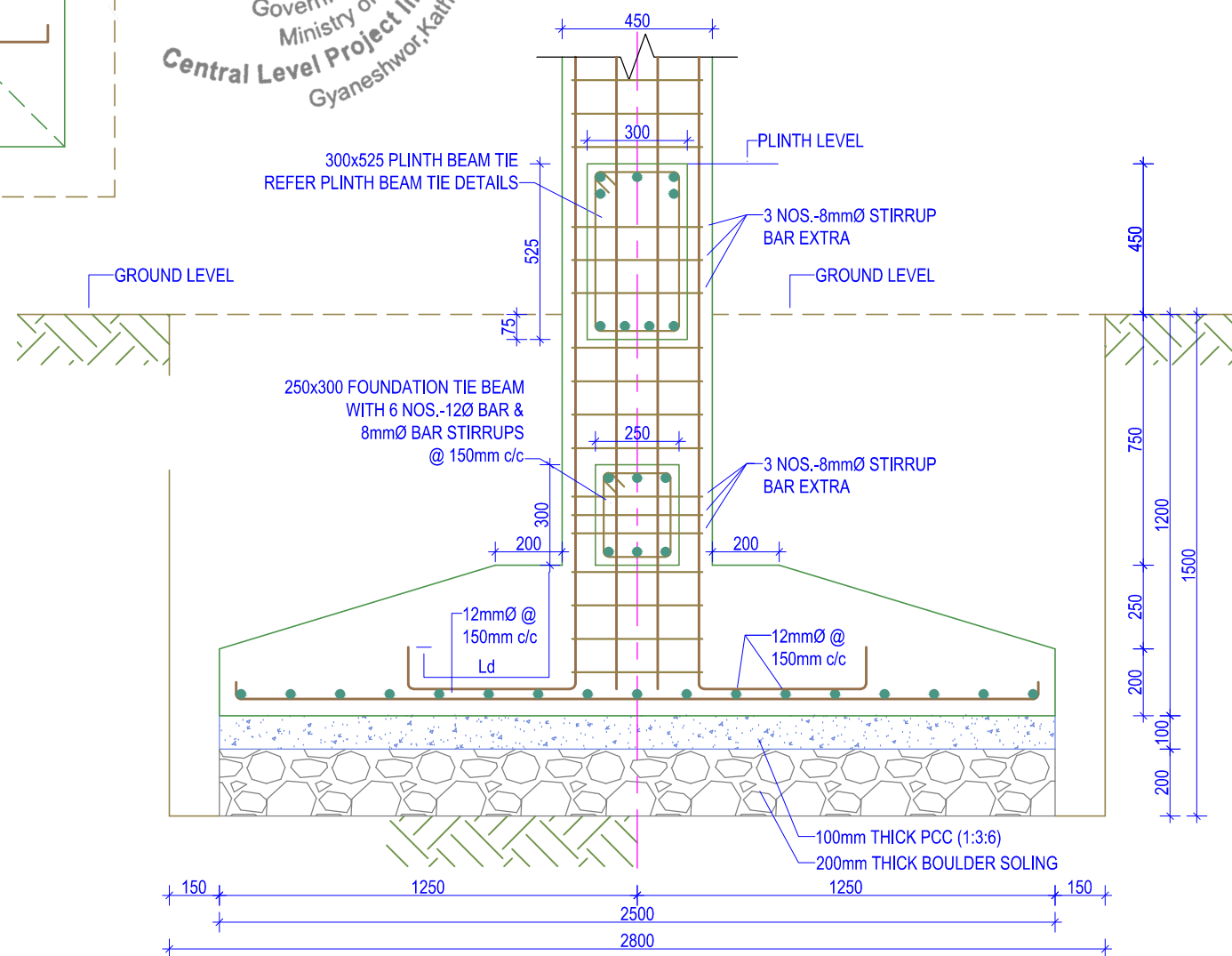
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Date : September, 2016 Print Sheet : A'3' Size	<b>S-03</b>





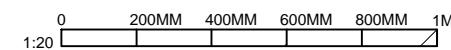
**COLUMN FOOTING PLAN -F3**

(Scale= 1:20)



**COLUMN FOOTING SECTION -F3**

(Scale= 1:20)



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Mr. Tomoki Miyano	Mr. H.B. Gurung
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Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :

**3 STOREY 6 SMALL CLASSROOMS**

Sheet Title :  
**FOOTING PLAN & SECTION  
DETAIL**

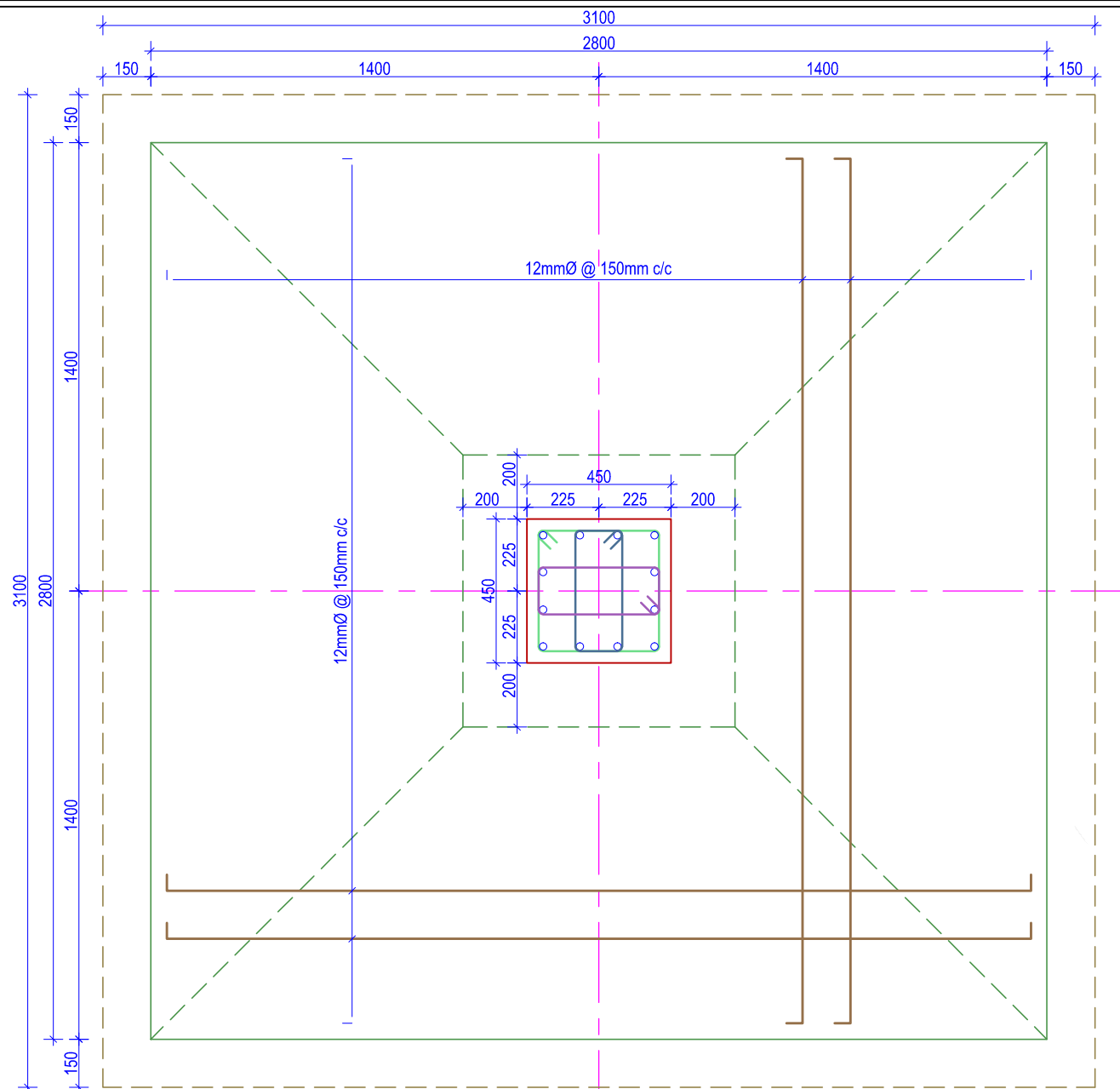
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(S)**

Date : September, 2016

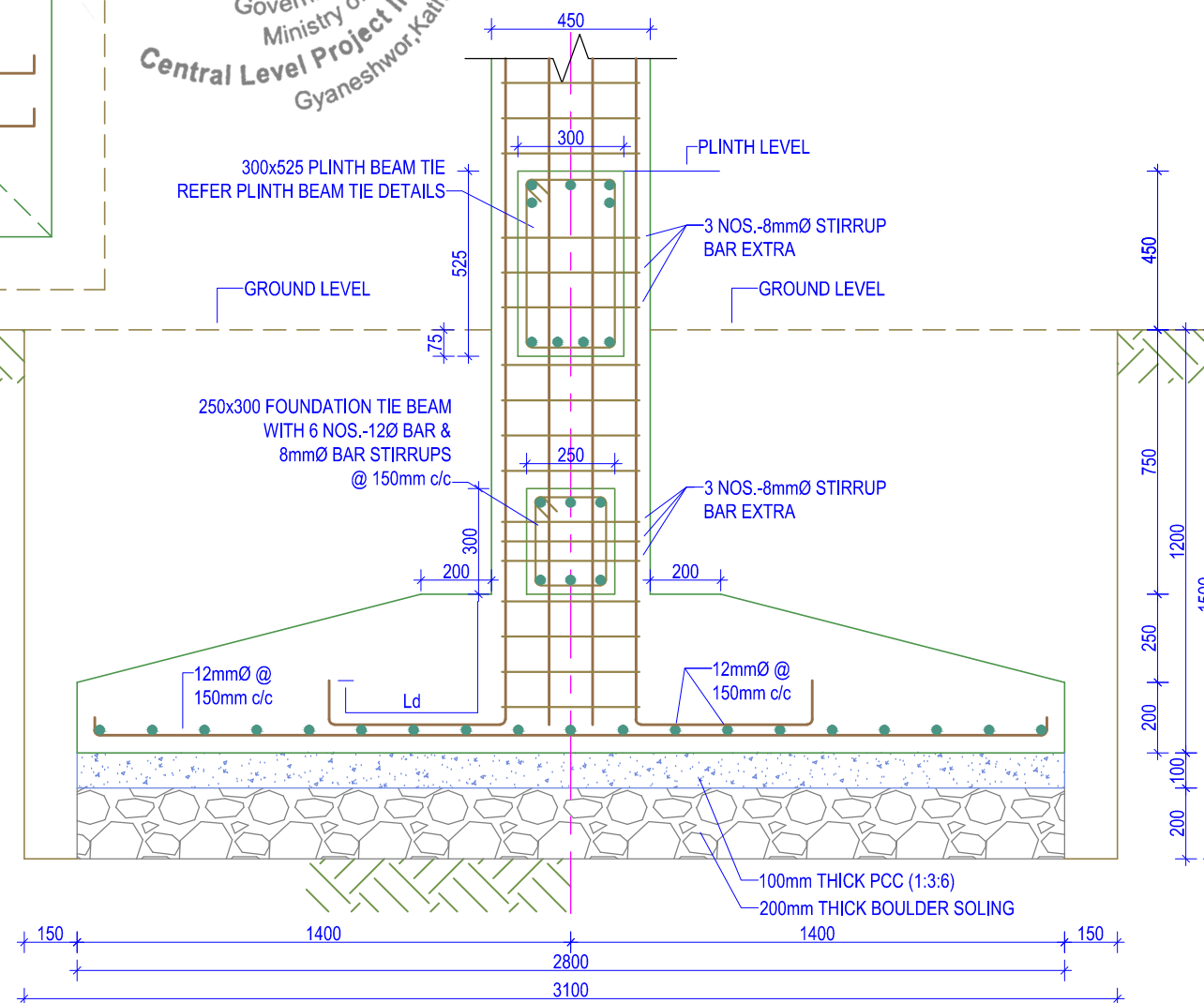
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**S-04**



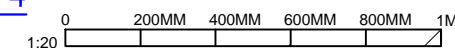
**COLUMN FOOTING PLAN -F4**

(Scale= 1:20)



**COLUMN FOOTING SECTION -F4**

(Scale= 1:20)



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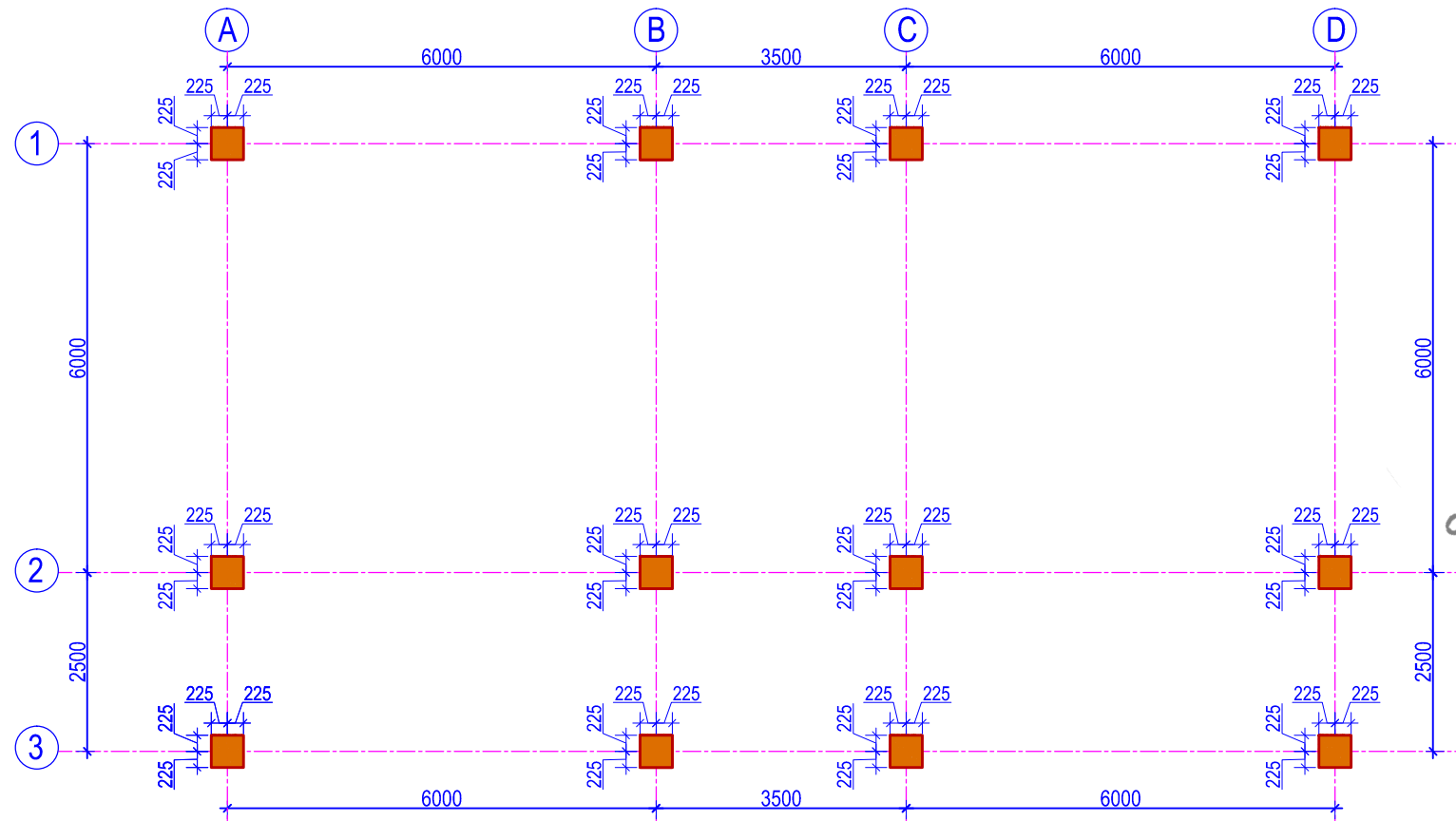
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Type Design :  
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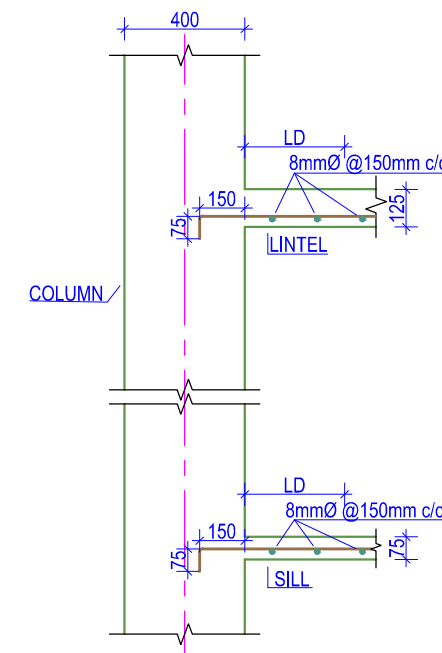
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Date : September, 2016	<b>S-05</b>
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**COLUMN LAYOUT PLAN**

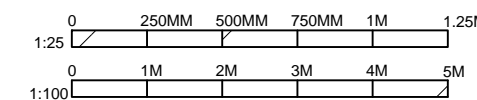
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**COLUMN ,LINTEL & SILL JOINT DETAIL**

(Scale= 1:25)

COLUMN REINFORCEMENT DETAIL AT GRID -1						
S. NO.	GRID	GRID -A COLUMN SIZE (450 x 450)	GRID -B COLUMN SIZE (450 x 450)	GRID -C COLUMN SIZE (450 x 450)	GRID -D COLUMN SIZE (450 x 450)	STIRRUPS
1	SECOND FLOOR	<p>12 NOS. -16mmØ</p>	<p>12 NOS. -20mmØ</p>	<p>12 NOS. -20mmØ</p>	<p>12 NOS. -16mmØ</p>	<p>8Ø@100mm/c &amp; 150mm/c</p>
2	FIRST FLOOR	<p>6 NOS. -20mmØ 6 NOS. -16mmØ</p>	<p>6 NOS. -25mmØ 6 NOS. -20mmØ</p>	<p>6 NOS. -25mmØ 6 NOS. -20mmØ</p>	<p>6 NOS. -20mmØ 6 NOS. -16mmØ</p>	<p>8Ø@100mm/c &amp; 150mm/c</p>
3	GROUND FLOOR	<p>12 NOS. -20mmØ</p>	<p>12 NOS. -25mmØ</p>	<p>12 NOS. -25mmØ</p>	<p>12 NOS. -20mmØ</p>	<p>8Ø@100mm/c &amp; 150mm/c</p>



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Mr. A.S. Tamang

Mr. Wong Kuok Hung

Mr. S. Malla

Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :

COLUMN LAYOUT PLAN &  
DETAILS  
COLUMN, LINTEL & SILL JOINT  
DETAIL.

Sheet No.

3-6C  
(S)

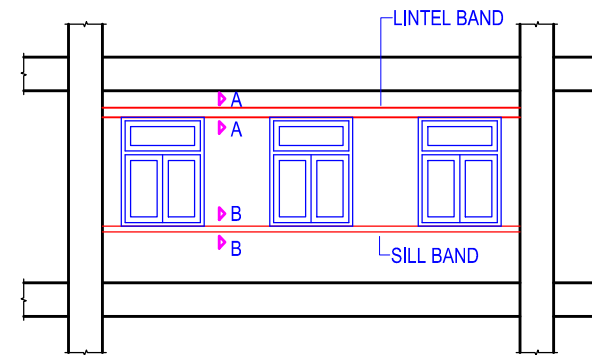
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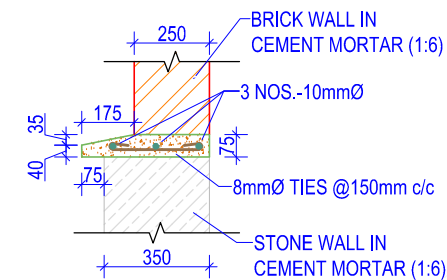
S-06

COLUMN REINFORCEMENT DETAIL AT GRID -2						
S. NO.	GRID	GRID -A	GRID -B	GRID -C	GRID -D	STIRRUPS
		COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	
1	SECOND FLOOR	 6 NOS. -20mmØ 6 NOS. -12mmØ	 12 NOS. -20mmØ	 12 NOS. -20mmØ	 12 NOS. -20mmØ	 8Ø@100mm/c & 150mm/c
2	FIRST FLOOR	 12 NOS. -20mmØ	 4 NOS. -25mmØ 8 NOS. -20mmØ	 4 NOS. -25mmØ 8 NOS. -20mmØ	 4 NOS. -25mmØ 8 NOS. -20mmØ	 8Ø@100mm/c & 150mm/c
3	GROUND FLOOR	 12 NOS. -20mmØ	 4 NOS. -25mmØ 8 NOS. -20mmØ	 4 NOS. -25mmØ 8 NOS. -20mmØ	 4 NOS. -25mmØ 8 NOS. -20mmØ	 8Ø@100mm/c & 150mm/c

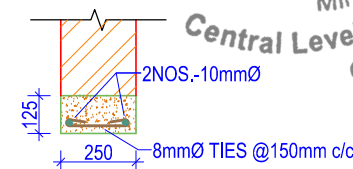
COLUMN REINFORCEMENT DETAIL AT GRID -3						
S. NO.	GRID	GRID -A	GRID -B	GRID -C	GRID -D	STIRRUPS
		COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	
1	SECOND FLOOR	 6 NOS. -20mmØ 6 NOS. -12mmØ	 6 NOS. -20mmØ 6 NOS. -12mmØ	 6 NOS. -20mmØ 6 NOS. -12mmØ	 6 NOS. -20mmØ 6 NOS. -12mmØ	 8Ø@100mm/c & 150mm/c
2	FIRST FLOOR	 12 NOS. -20mmØ	 6 NOS. -20mmØ 6 NOS. -16mmØ	 6 NOS. -20mmØ 6 NOS. -16mmØ	 6 NOS. -20mmØ 6 NOS. -16mmØ	 8Ø@100mm/c & 150mm/c
3	GROUND FLOOR	 12 NOS. -20mmØ	 12 NOS. -20mmØ	 12 NOS. -20mmØ	 12 NOS. -20mmØ	 8Ø@100mm/c & 150mm/c



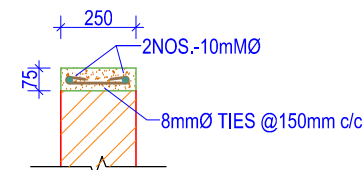
ELEVATION OF WALL WITH LINTEL & SILL BAND  
(Scale= NTS)



X-SECTION OF SILL BAND  
(STONE MASONRY)  
(Scale= 1:25)

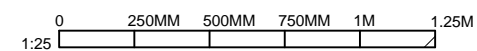


X-SECTION OF LINTEL BAND AT A-A  
(Scale= 1:25)



X-SECTION OF SILL BAND AT B-B  
(Scale= 1:25)

COLUM



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Mr. A.S. Tamang

Mr. Wong Kuok Hung

Mr. S. Malla

Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :  
COLUMN DETAILS &  
SILL & LINTEL DETAILS

Sheet No.

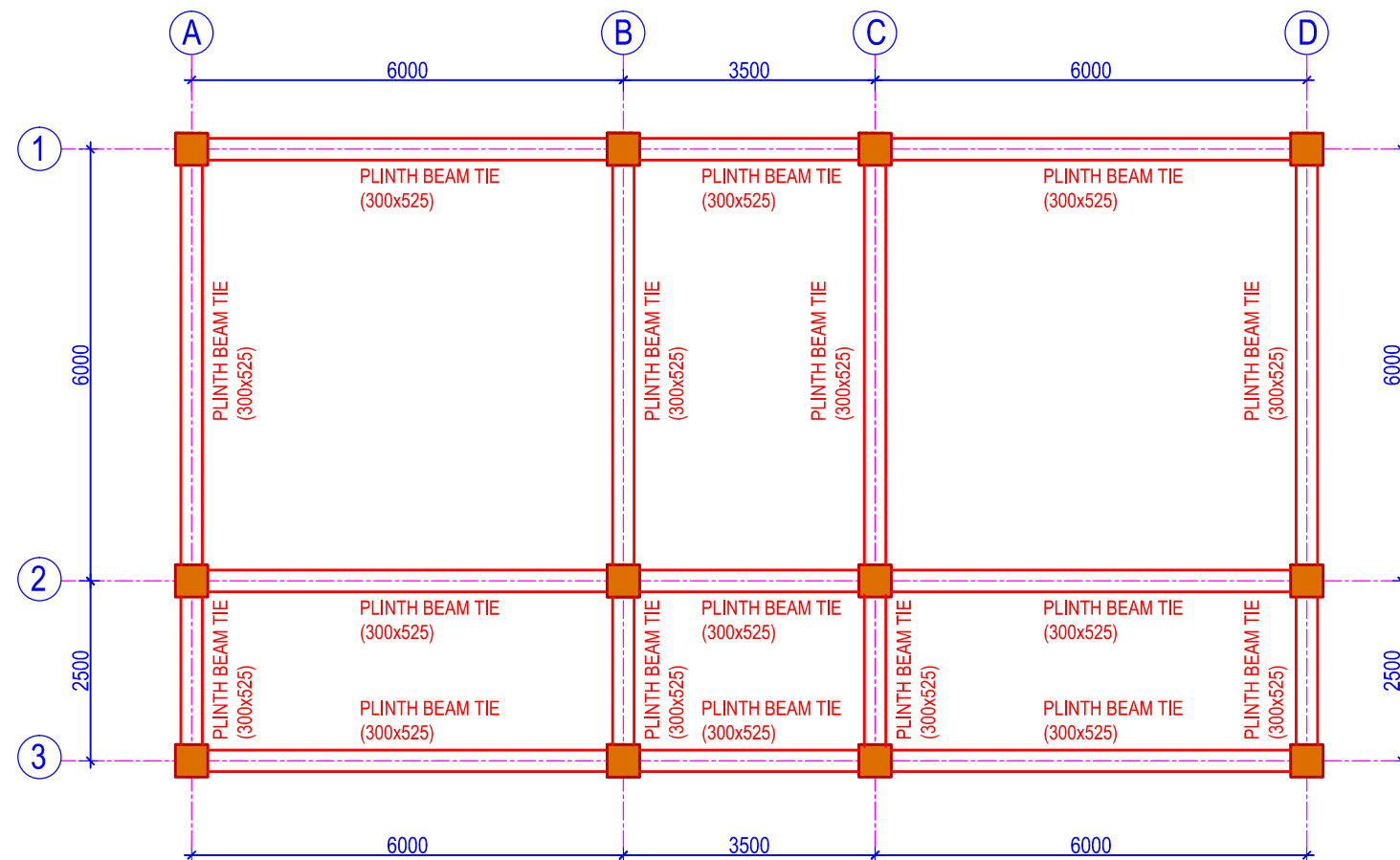
3-6C  
(S)

Date : September, 2016

Print Sheet : A'3' Size

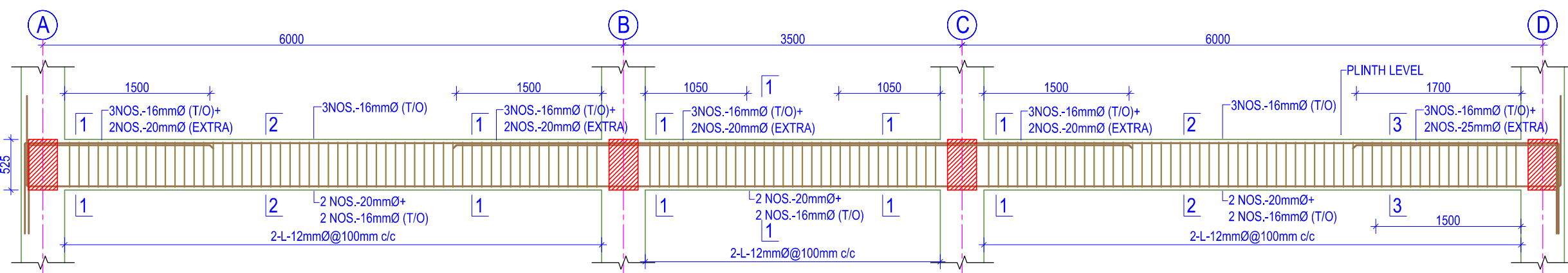
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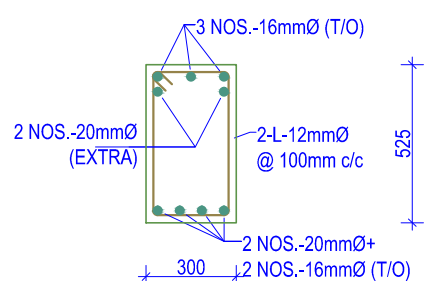
PLINTH BEAM TIE PLAN AT PLINTH LEVEL

(Scale= 1:100)



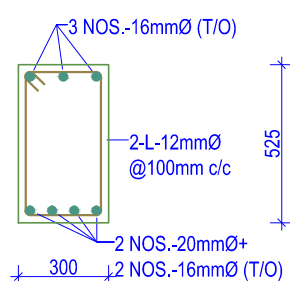
BEAM DETAIL ALONG GRID AT -1 & 2

(SCALE = 1:50)



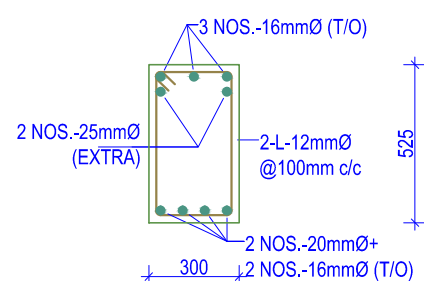
SECTION -1-1

(Scale= 1:25)



SECTION -2-2

(Scale= 1:25)



SECTION -3-3

(Scale= 1:25)



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Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :

PLINTH BEAM TIE PLAN &  
DETAILS

Date : September, 2016

Print Sheet : A'3' Size

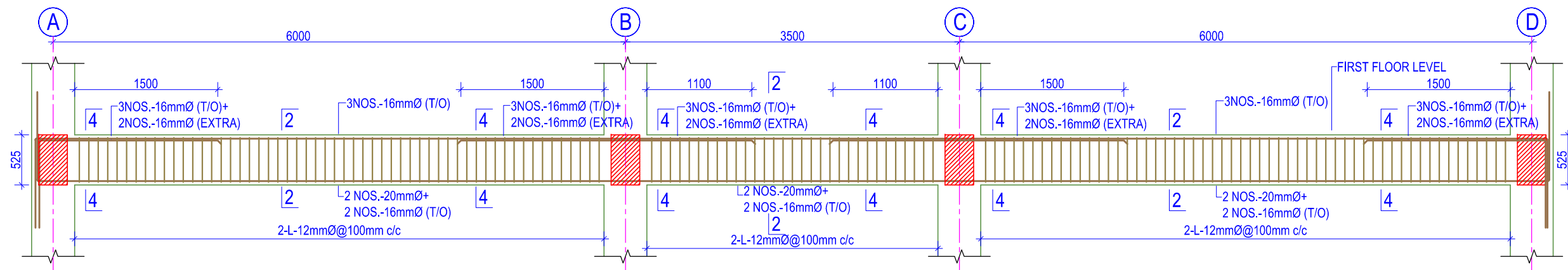
Sheet No.

3-6C

(S)

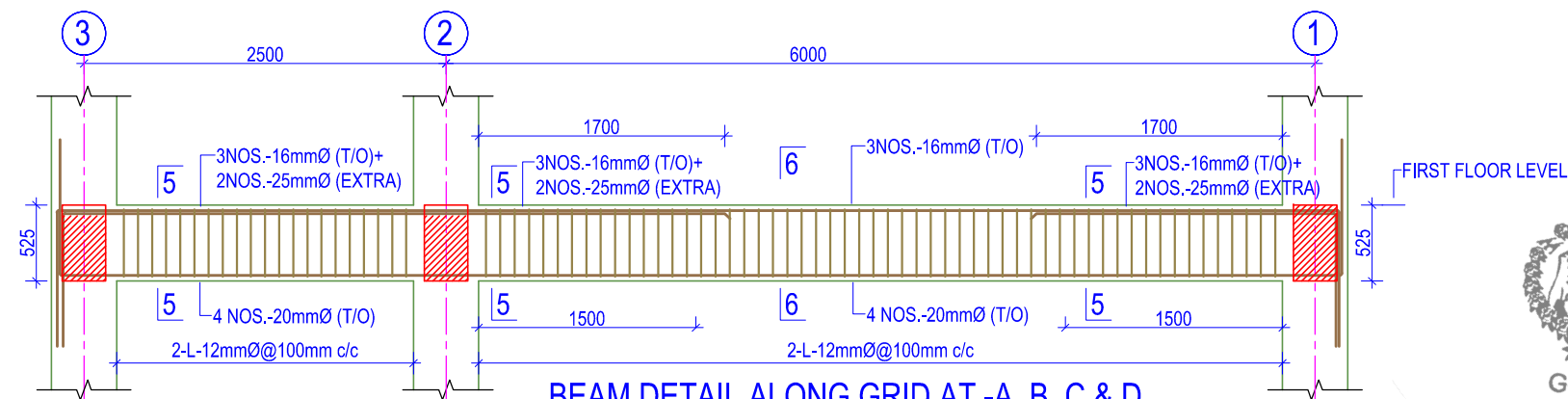
S-08





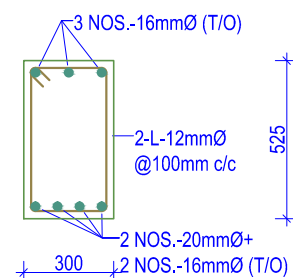
BEAM DETAIL ALONG GRID AT -3

(SCALE = 1:50)



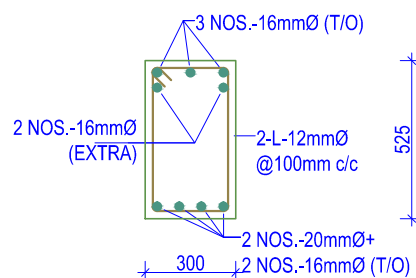
BEAM DETAIL ALONG GRID AT -A, B, C & D

(SCALE = 1:50)



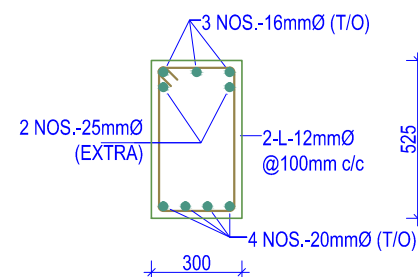
SECTION -2-2

(Scale= 1:25)



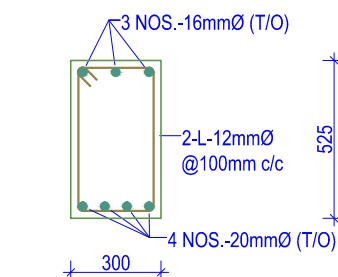
SECTION -4-4

(Scale= 1:25)



SECTION -5-5

(Scale= 1:25)



SECTION -6-6

(Scale= 1:25)

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Mr. Wong Kuok Hung

Mr. S. Malla

Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :

PLINTH BEAM TIE DETAILS

Sheet No.

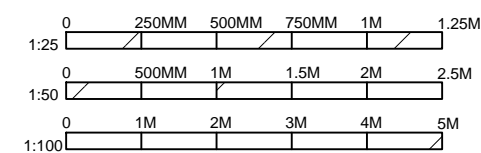
3-6C

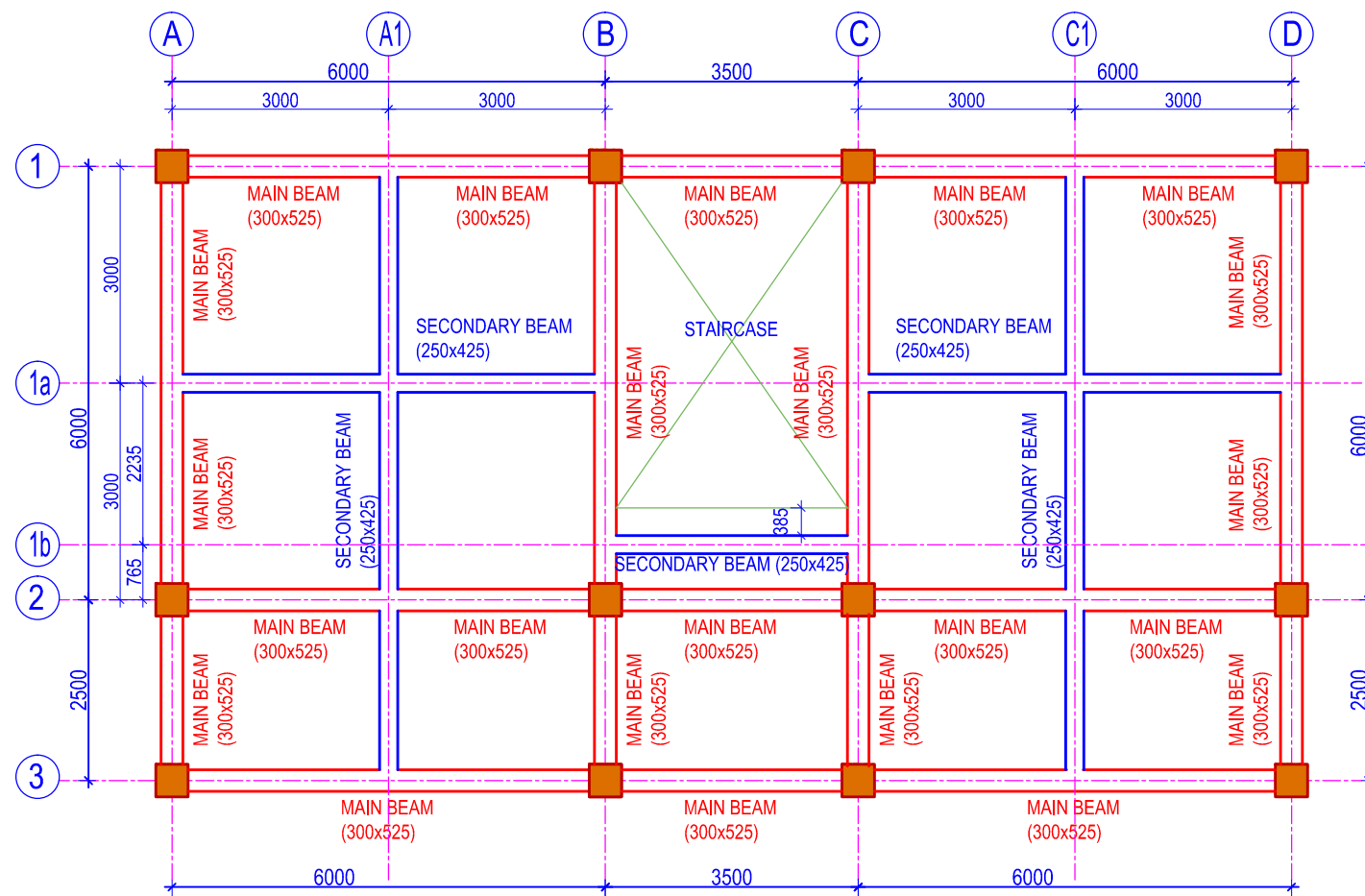
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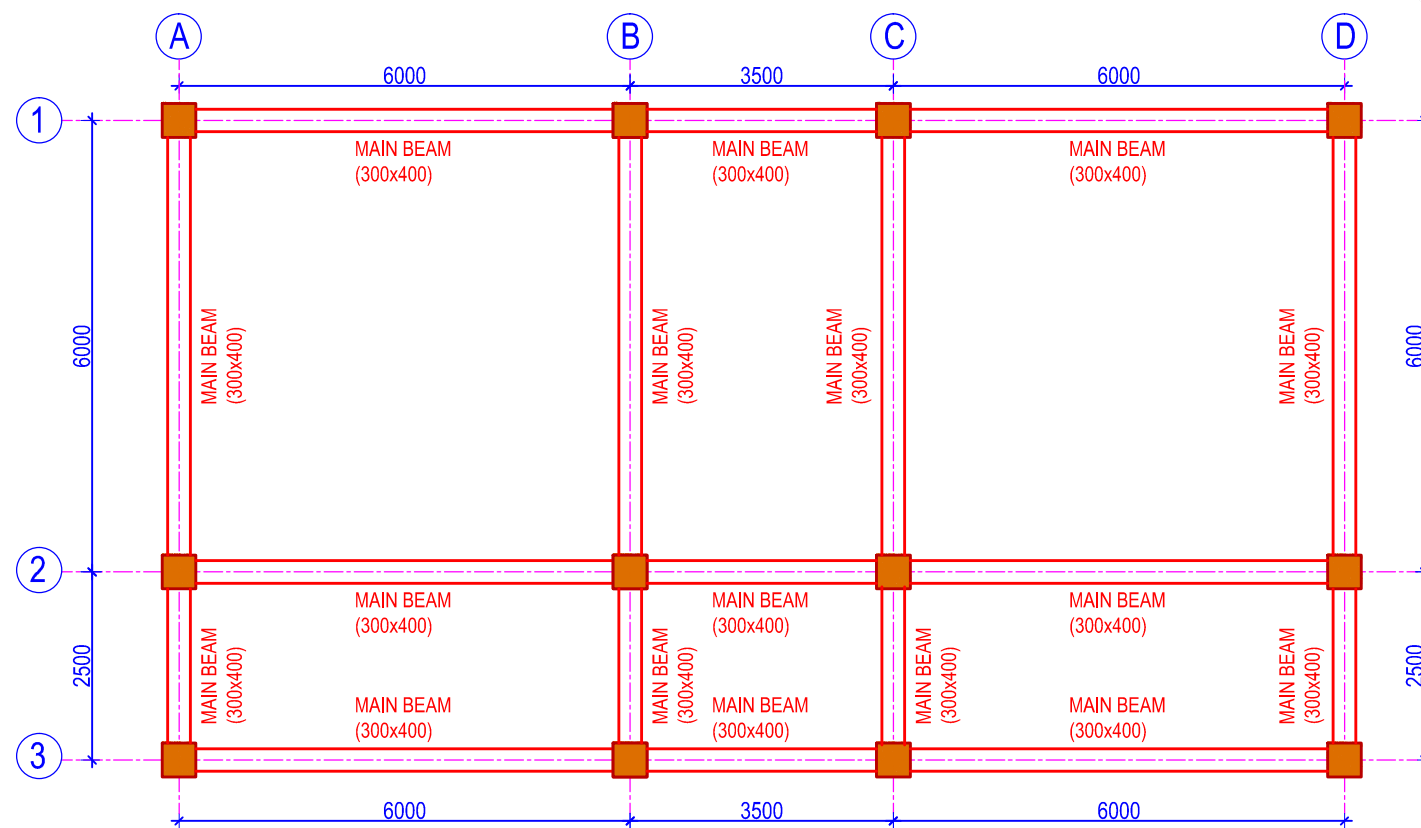
S-09





**BEAM PLAN AT FIRST & SECOND FLOOR LEVEL**

(Scale= 1:100)



**BEAM PLAN AT TRUSS LEVEL**

(Scale= 1:100)



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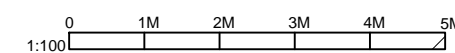


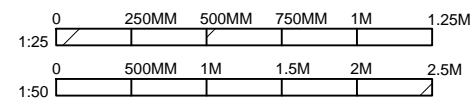
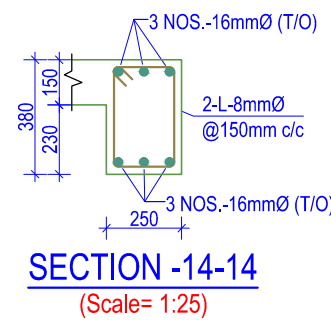
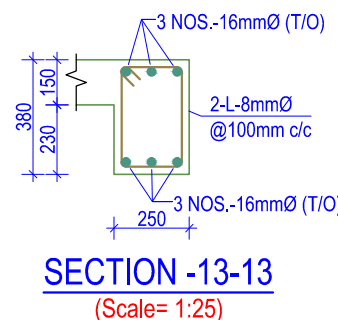
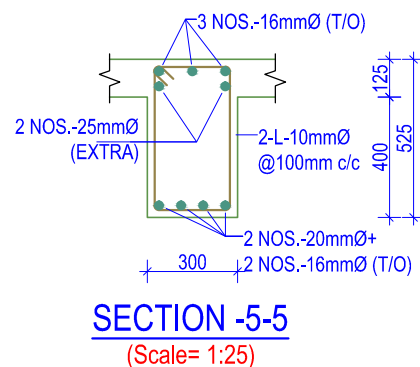
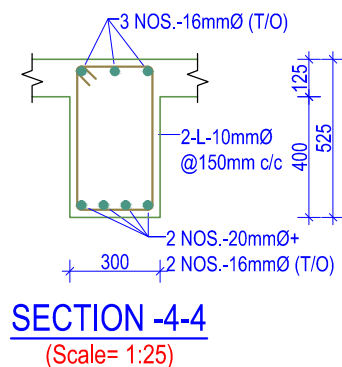
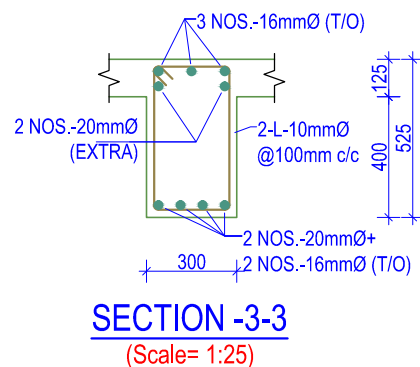
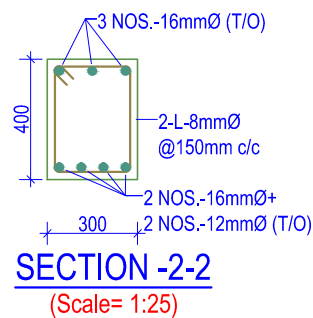
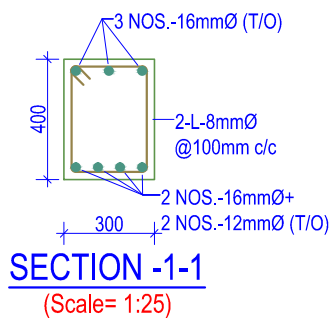
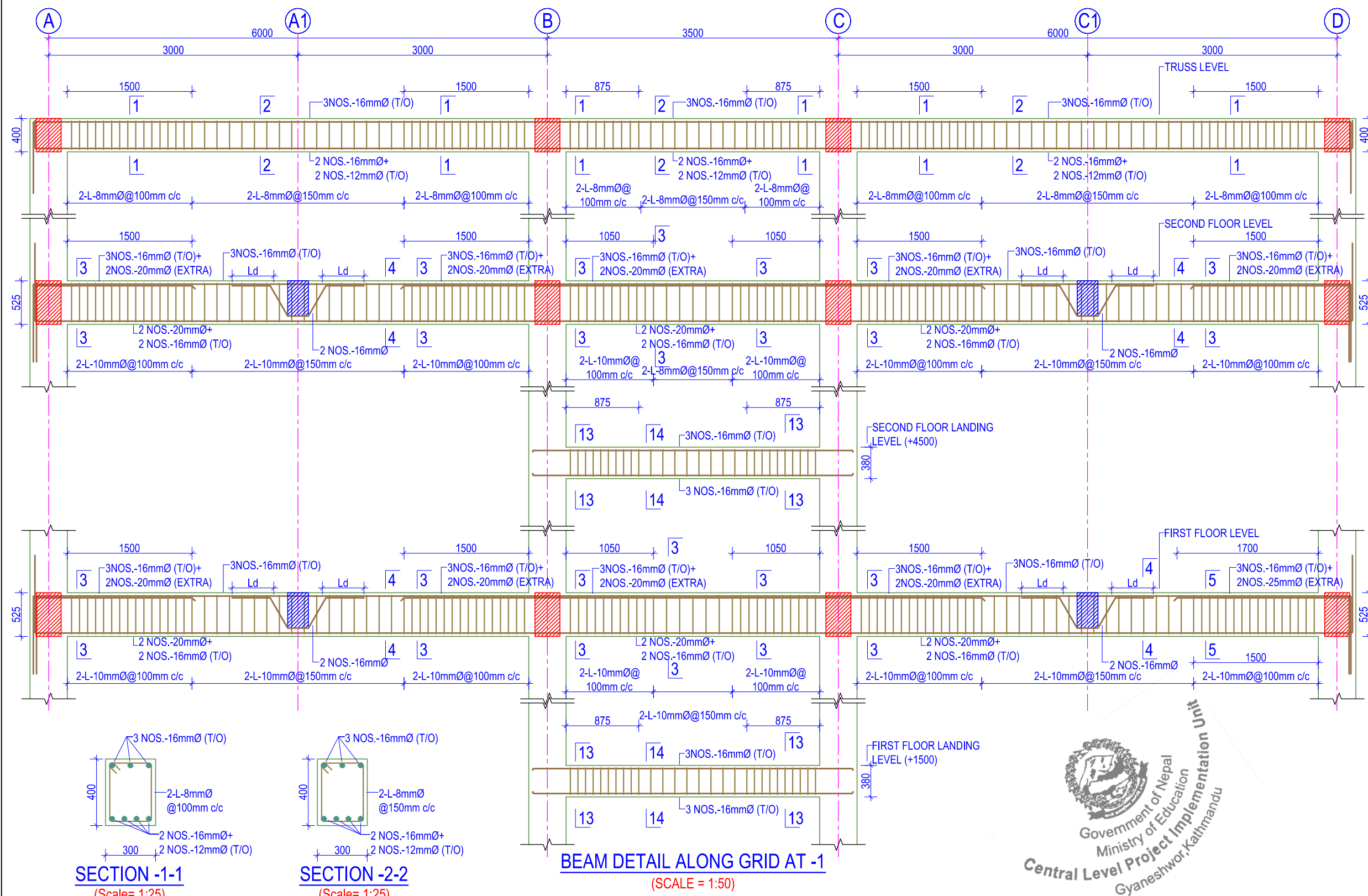
**East West Engineering Service Pvt. Ltd.**  
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Mr. Hisafumi Michikawa	Mr. A.S. Tamang
Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :  
**3 STOREY 6 SMALL CLASSROOMS**

Sheet Title : <b>BEAM PLANS (FIRST, SECOND FLOOR &amp; TRUSS LEVEL)</b>	Sheet No. <b>3-6C (S)</b>
Date : September, 2016 Print Sheet : A'3' Size	<b>S-10</b>





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Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :  
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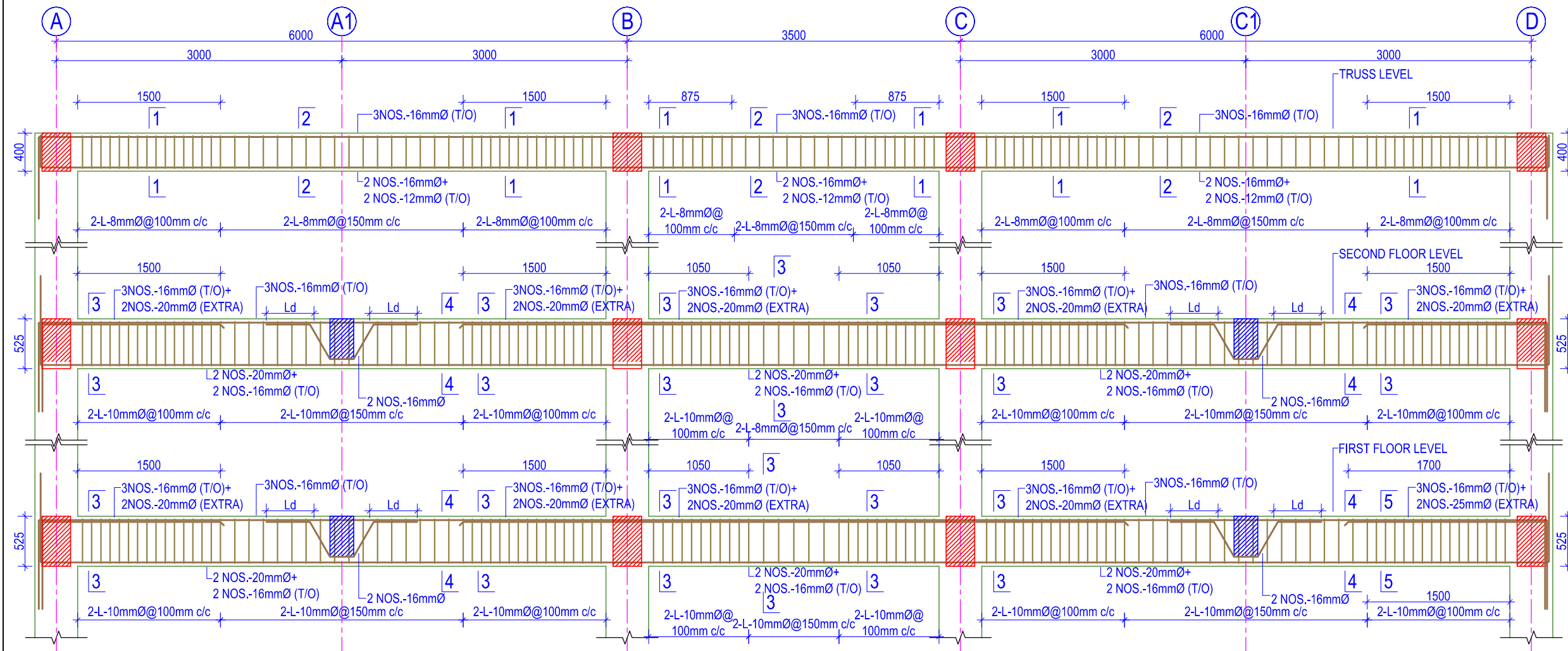
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3-6C  
(S)

Date : September, 2016

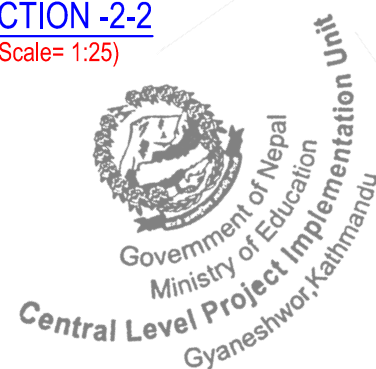
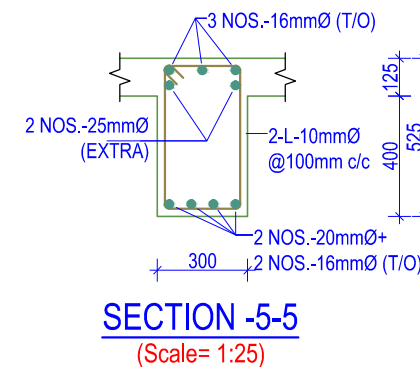
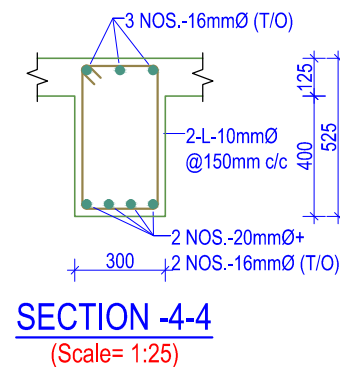
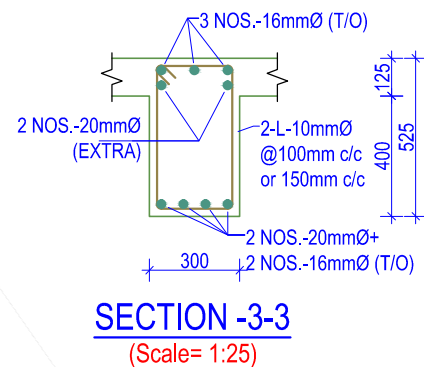
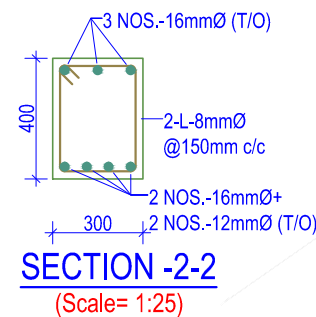
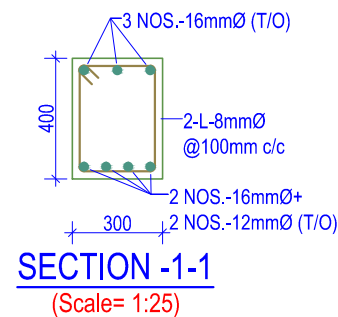
Print Sheet : A'3' Size

S-11



**BEAM DETAIL ALONG GRID AT -2**

(SCALE = 1:50)



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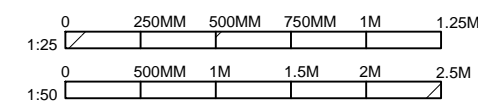
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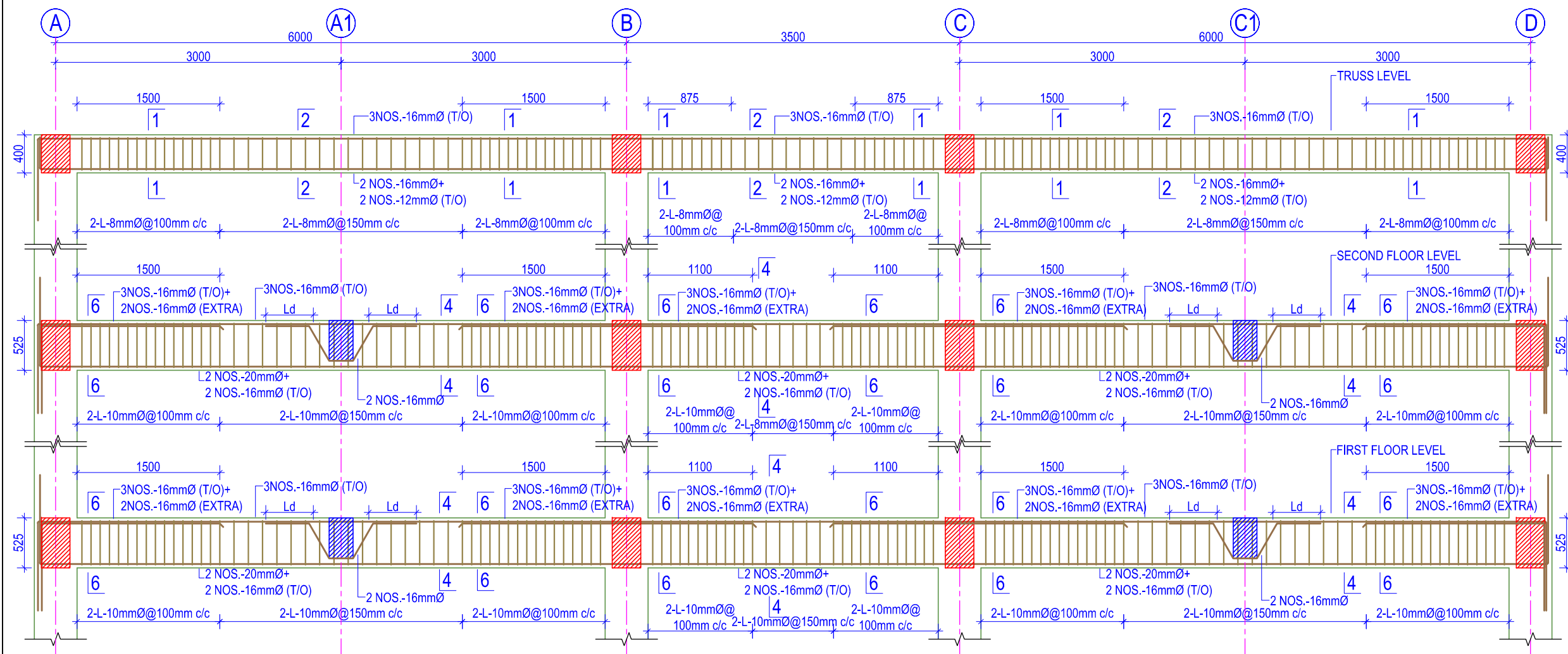
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Type Design :  
**3 STOREY 6 SMALL CLASSROOMS**

Sheet Title : <b>BEAM DETAILS</b>	Sheet No. <b>3-6C (S)</b>
Date : September, 2016	<b>S-12</b>
Print Sheet : A3' Size	

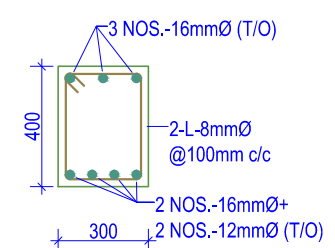




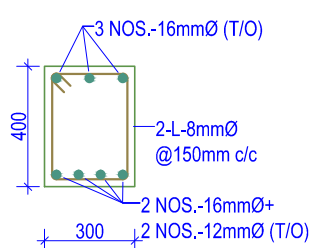


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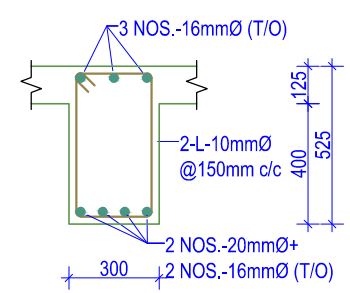
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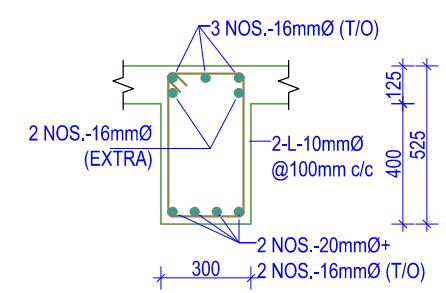
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(Scale= 1:25)



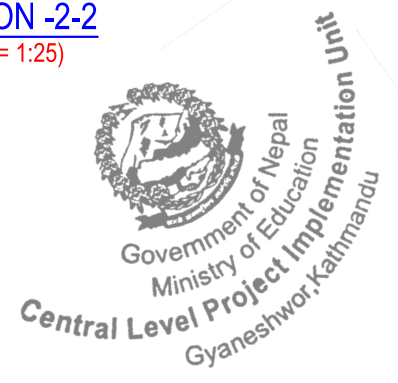
**SECTION -2-2**  
(Scale= 1:25)



**SECTION -4-4**  
(Scale= 1:25)



**SECTION -6-6**  
(Scale= 1:25)



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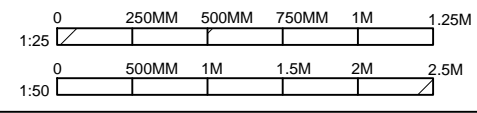


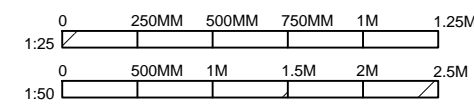
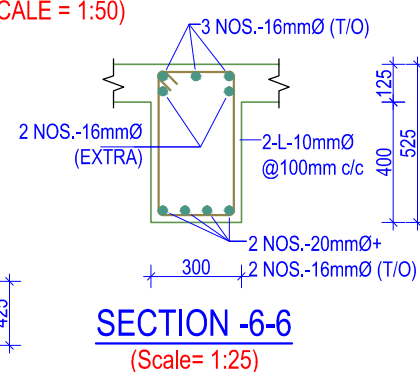
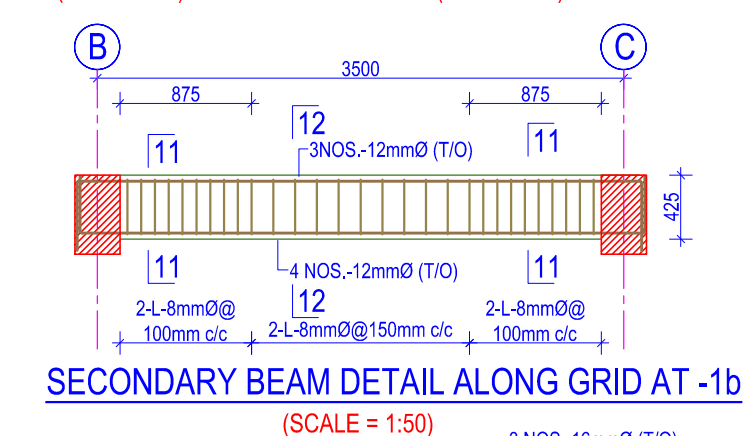
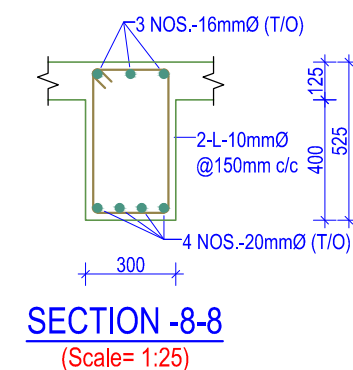
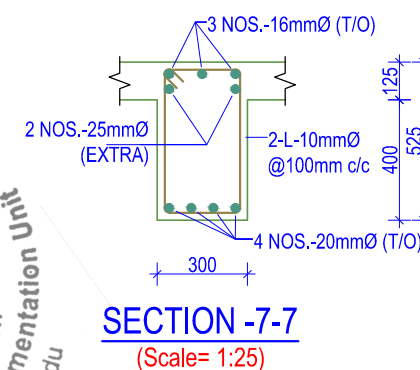
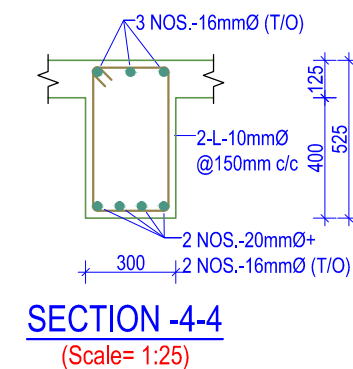
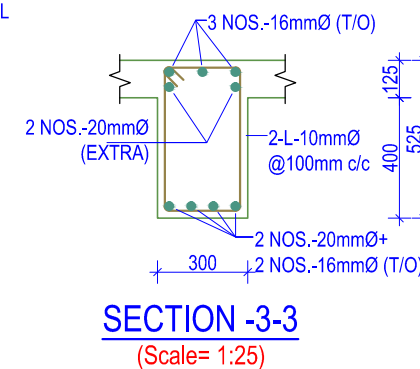
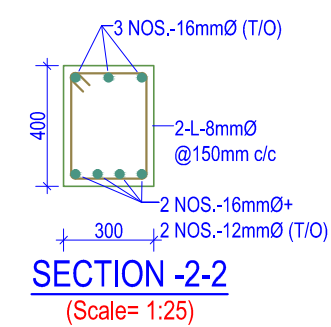
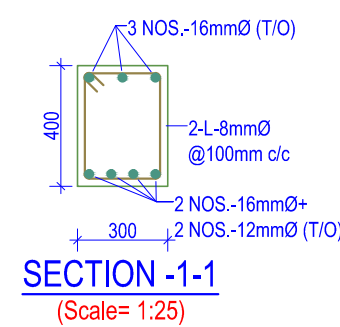
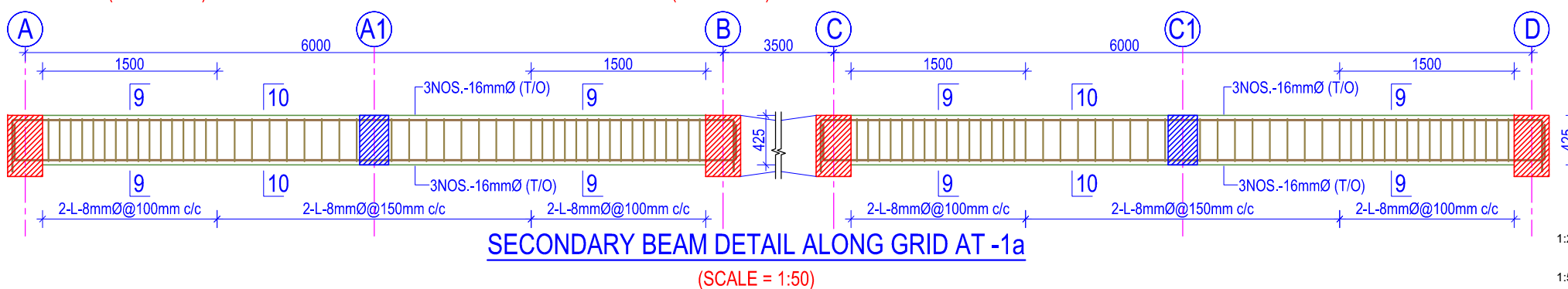
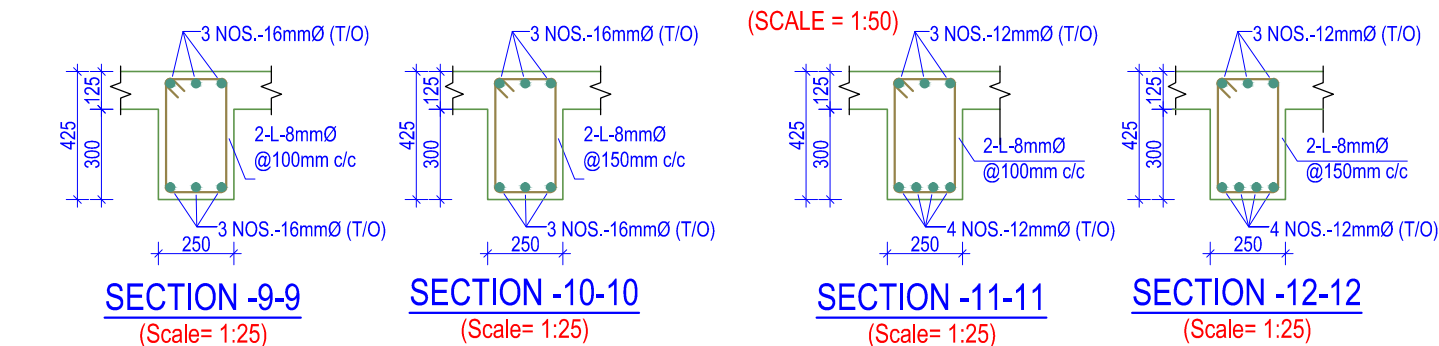
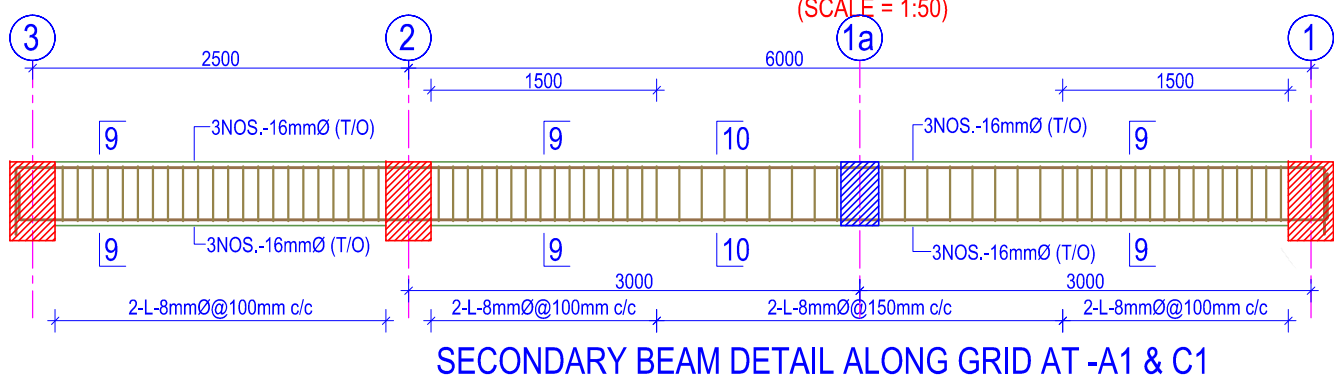
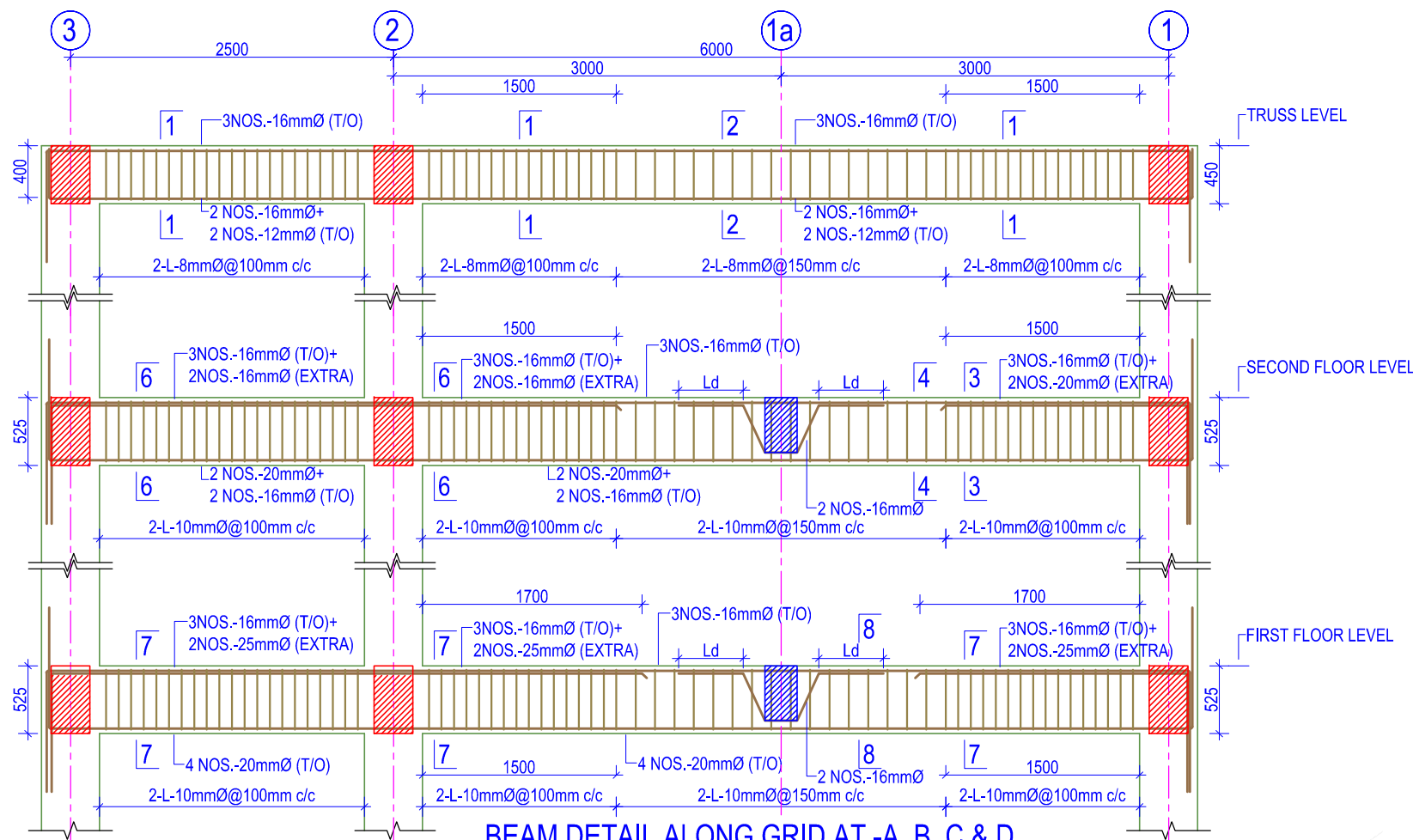
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Tel: 9771-4373316, Fax: 4650203, email: hbgewe@gmail.com

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Mr. Hisafumi Michikawa	Mr. A.S. Tamang
Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :  
**3 STOREY 6 SMALL CLASSROOMS**

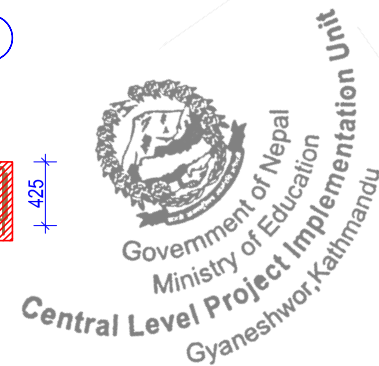
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Date : September, 2016	<b>S-13</b>
Print Sheet : A3' Size	





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Type Design :

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BEAM DETAILS

Sheet No.

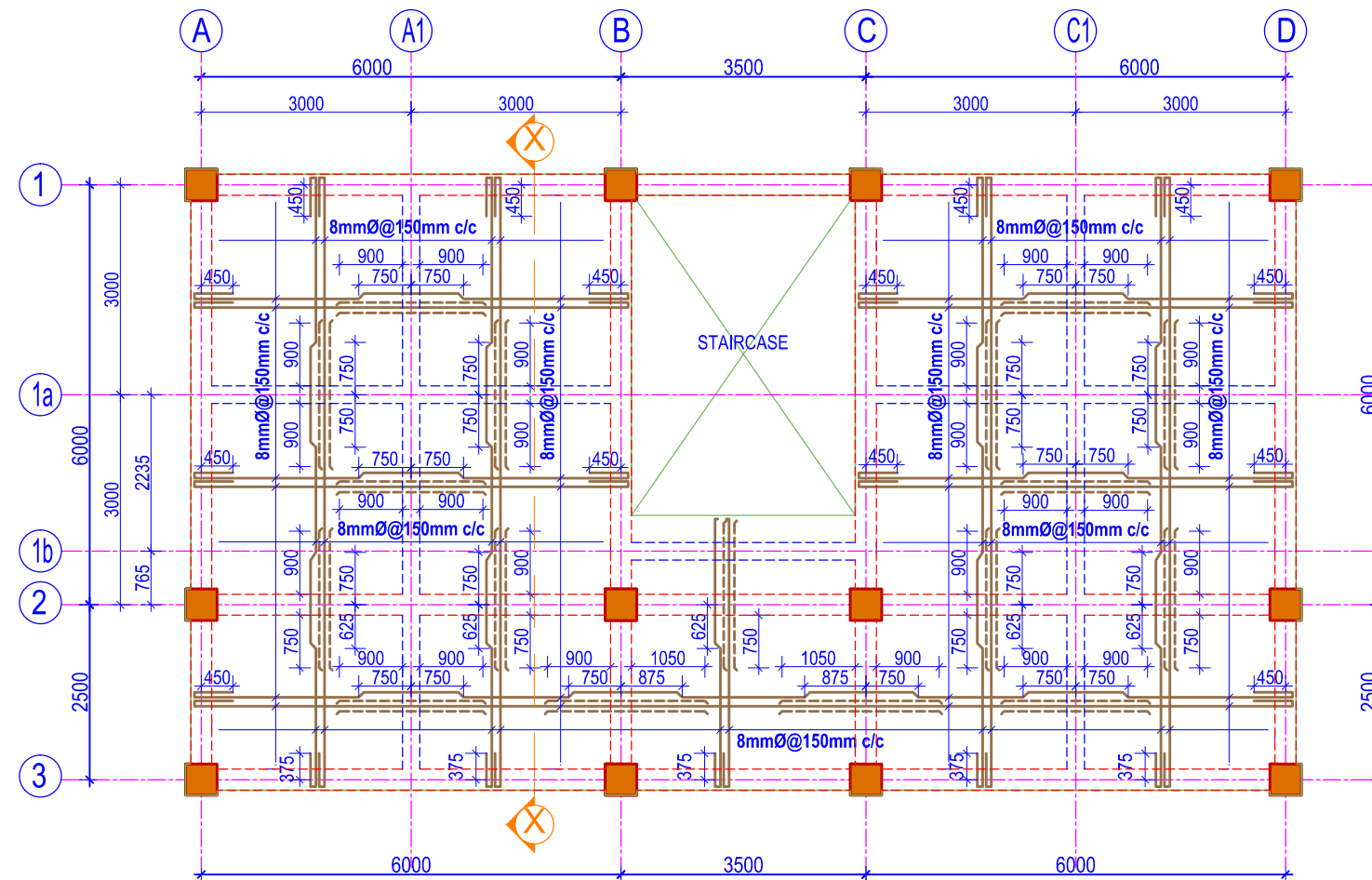
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(S)

Date : September, 2016

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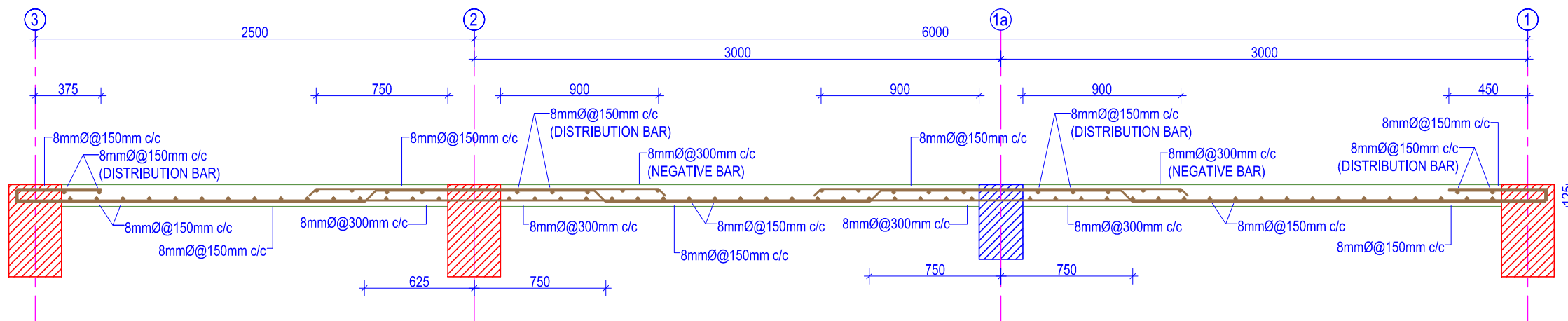
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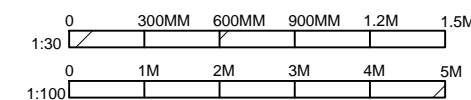


**SLAB REINFORCEMENT PLAN  
AT FIRST & SECOND FLOOR LEVEL**  
(Scale= 1:100)

SLAB THICKNESS 125mm  
MAIN BAR (SHORT SPAN) 8mmØ@150mm c/c  
MAIN BAR (LONG SPAN) 8mmØ@150mm c/c  
NEGATIVE BAR (TOP BAR) 8mmØ@300mm c/c  
DISTRIBUTION BAR 8mmØ@150mm c/c



**SLAB SECTION -X-X**  
(SCALE = 1:30)



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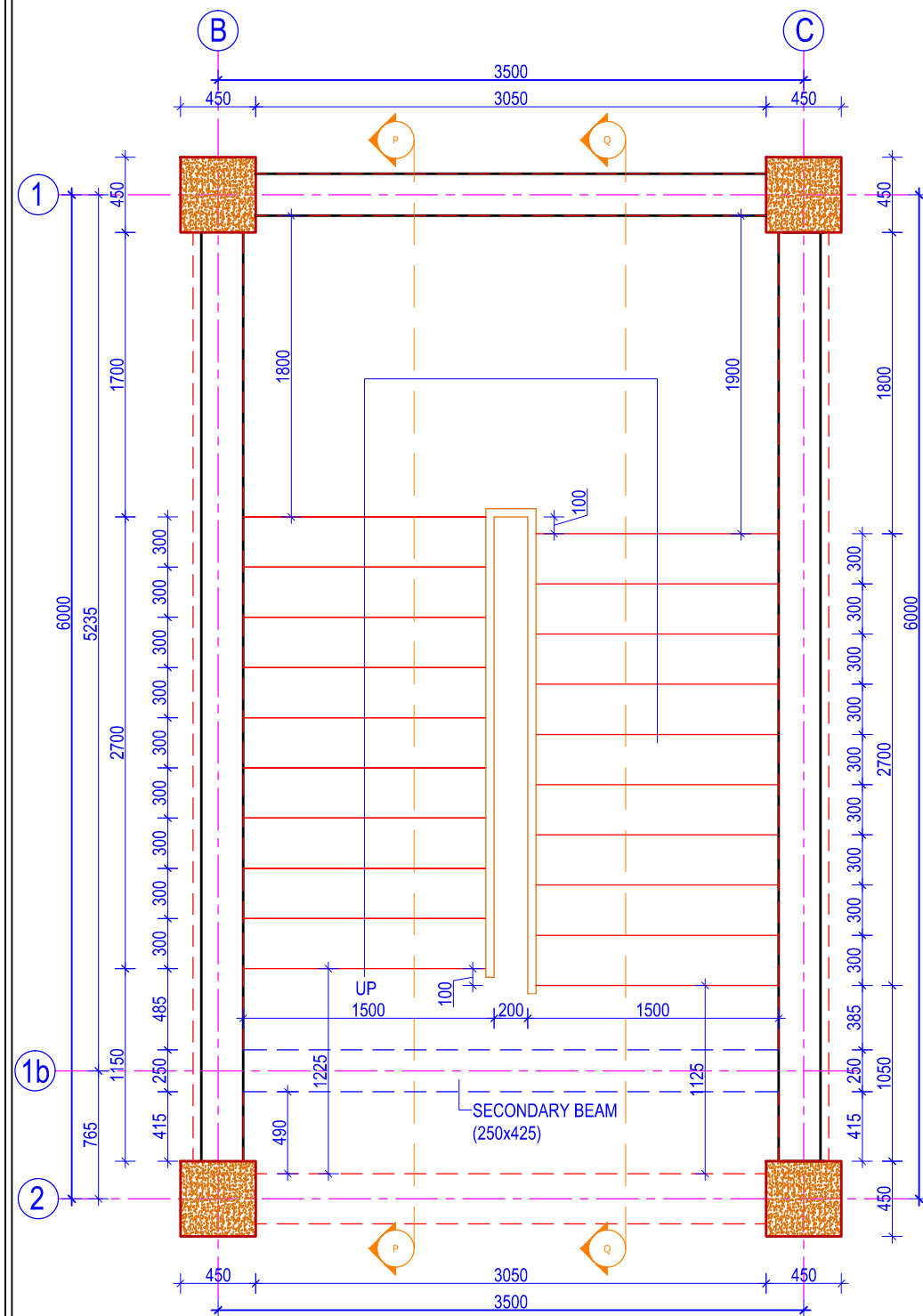
Mr. Tomoki Miyano	Mr. H.B. Gurung
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Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :  
**3 STOREY 6 SMALL CLASSROOMS**

Sheet Title :  
**SLAB PLAN & SECTION  
(FIRST & SECOND FLOOR  
LEVEL)**

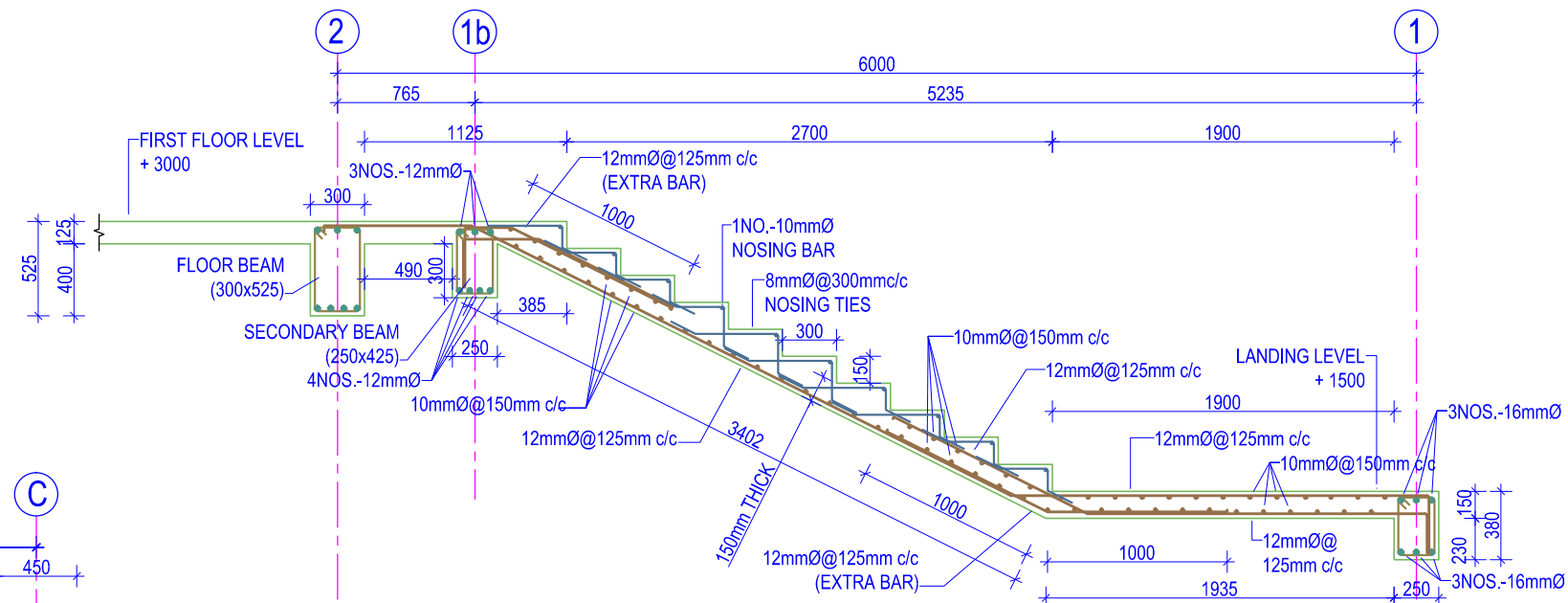
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Sheet No.  
**3-6C  
(S)**  
**S-15**



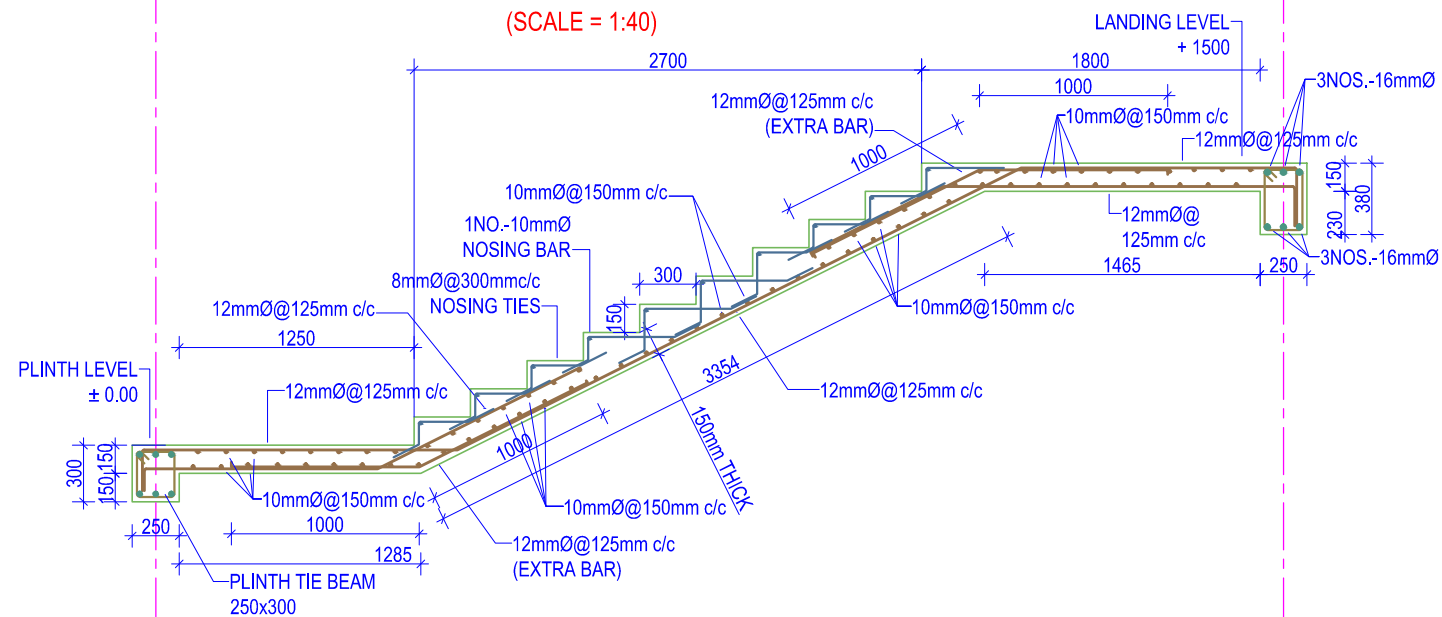
**STAIRCASE DETAIL PLAN**

(SCALE = 1:40)



**SECOND FLIGHT STAIRCASE SECTION AT -Q-Q**

(SCALE = 1:40)



**FIRST FLIGHT STAIRCASE SECTION AT -P-P**

(SCALE = 1:40)



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Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :

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Sheet Title :  
**STAIRCASE PLAN & SECTION**

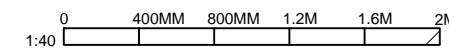
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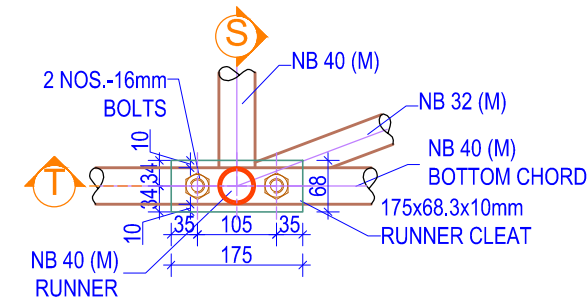
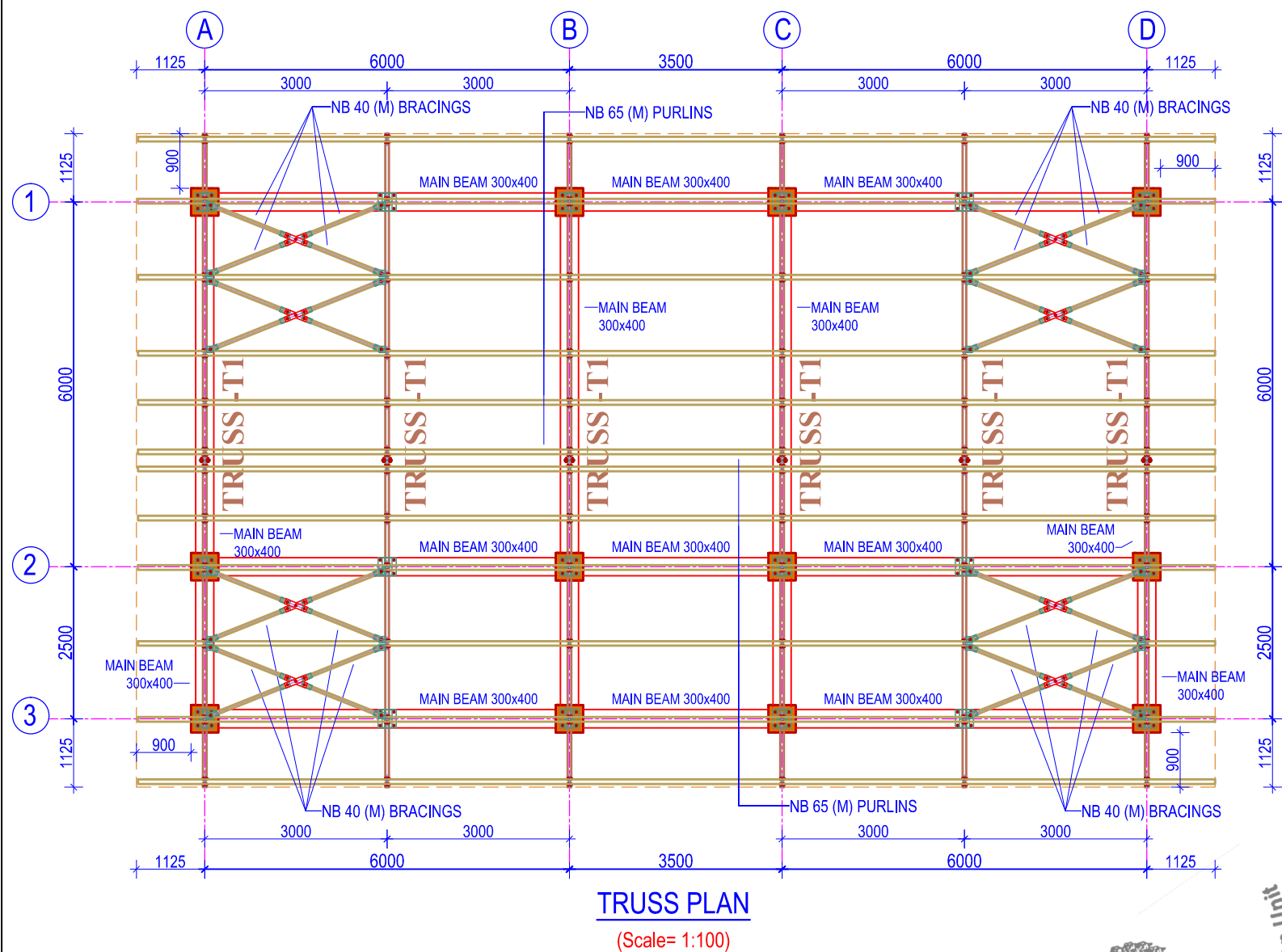
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(S)**

Date : September, 2016

Print Sheet : A'3' Size

**S-16**





RUNNER PLATE & CONNECTION BOX  
DETAIL PLAN -T-T

RUNNER PLATE & CONNECTION BOX  
DETAIL SECTION -S-S AT MID  
(Scale= 1:10)

RUNNER PLATE & CONNECTION BOX  
DETAIL SECTION -S-S AT END  
(Scale= 1:10)

- NOTES:**
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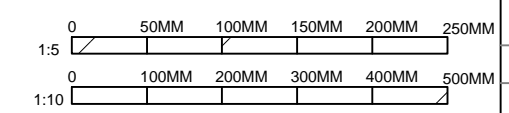
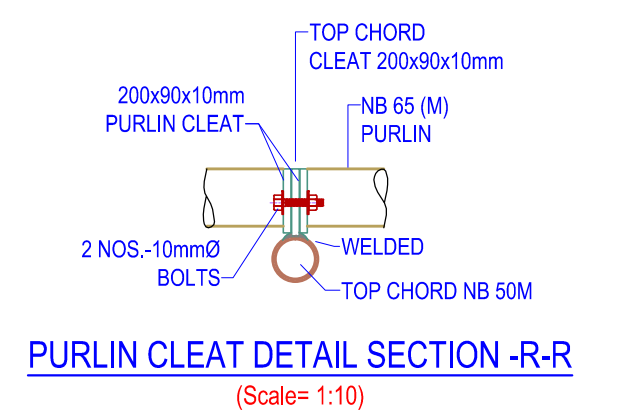
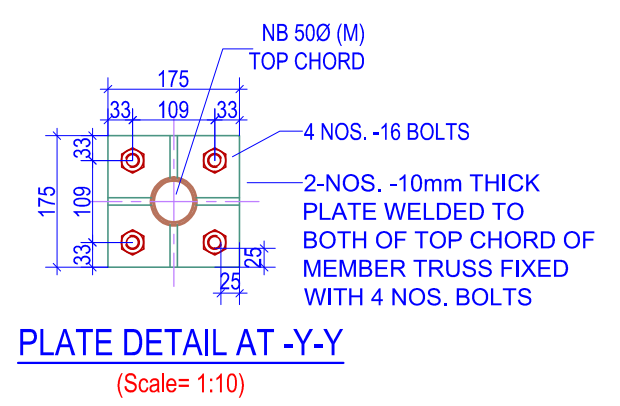
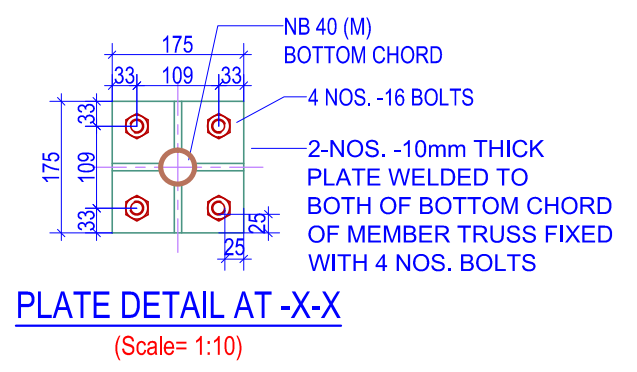
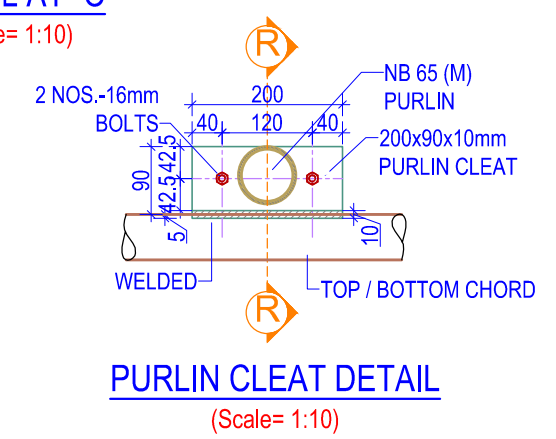
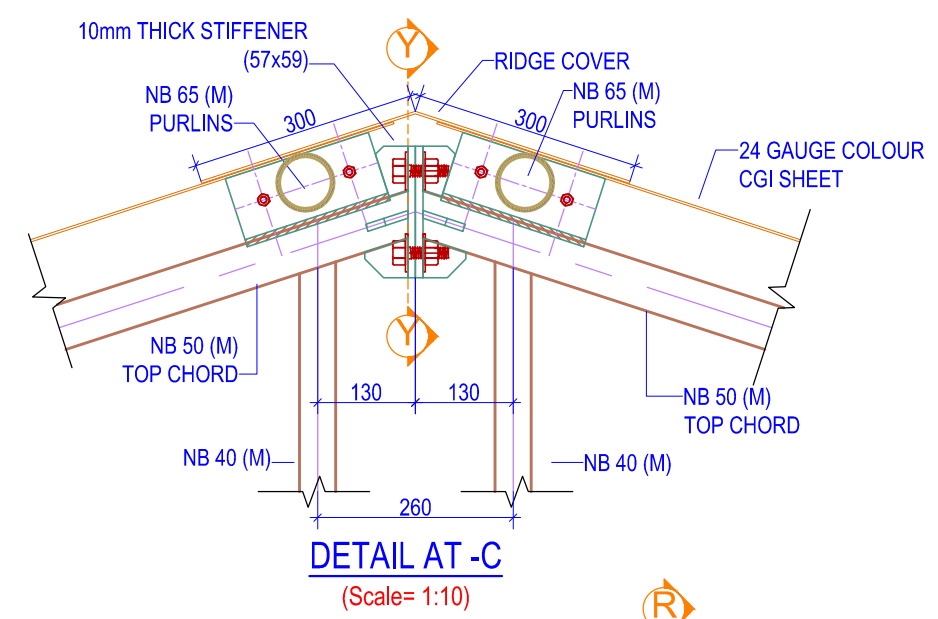
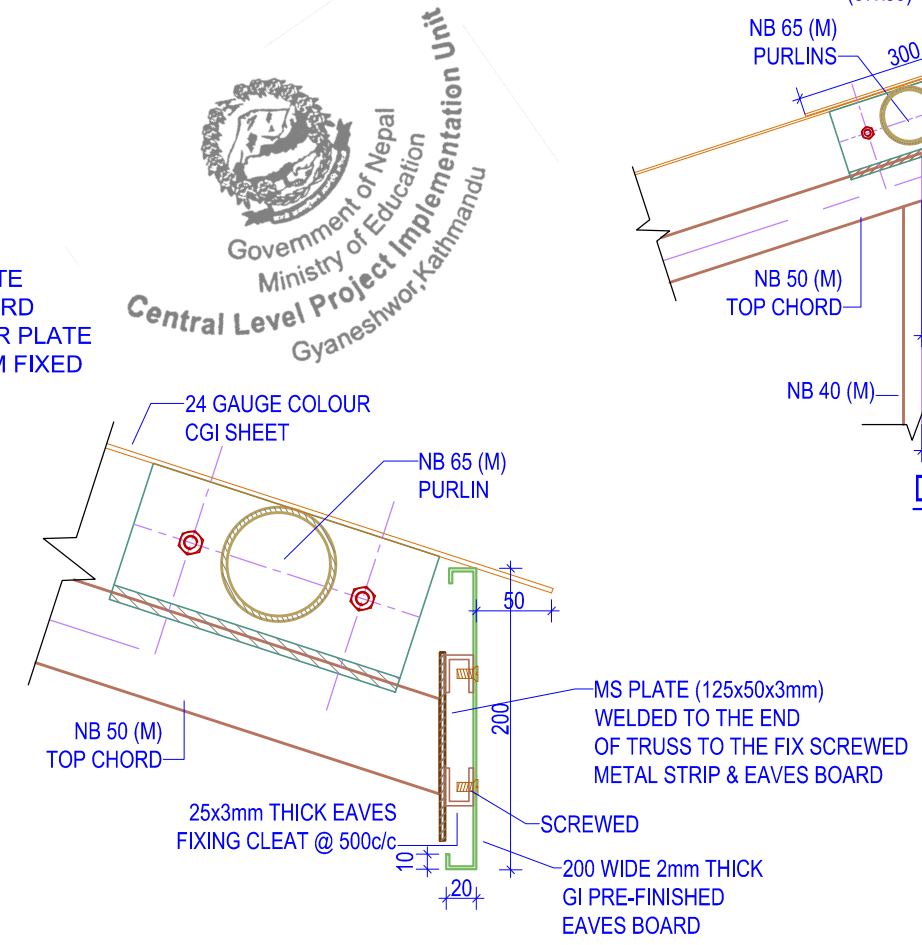
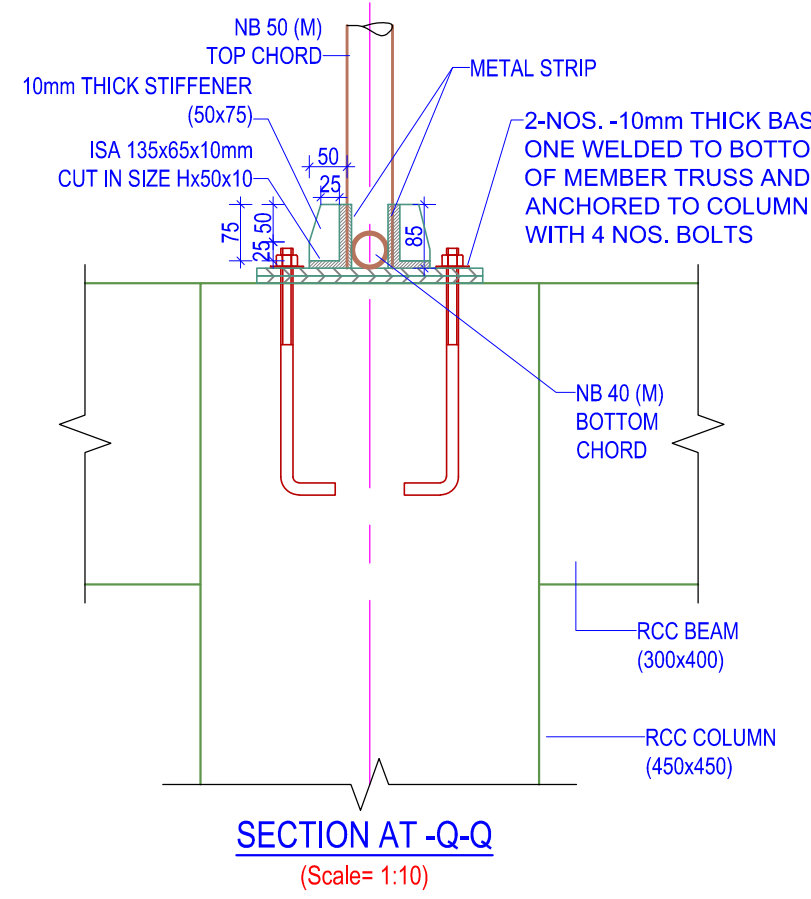
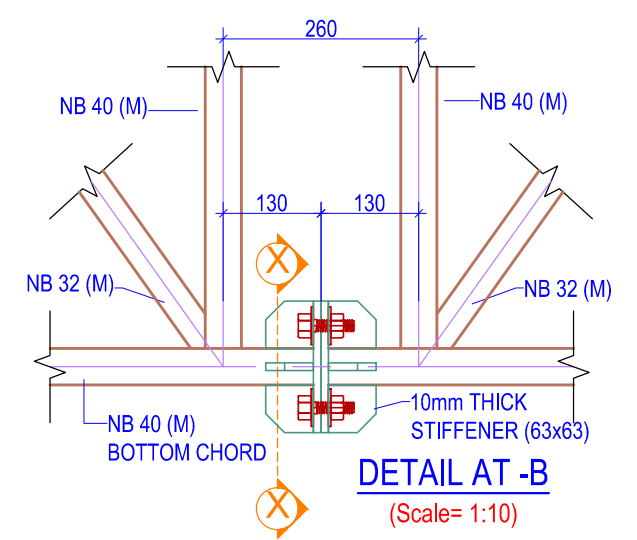
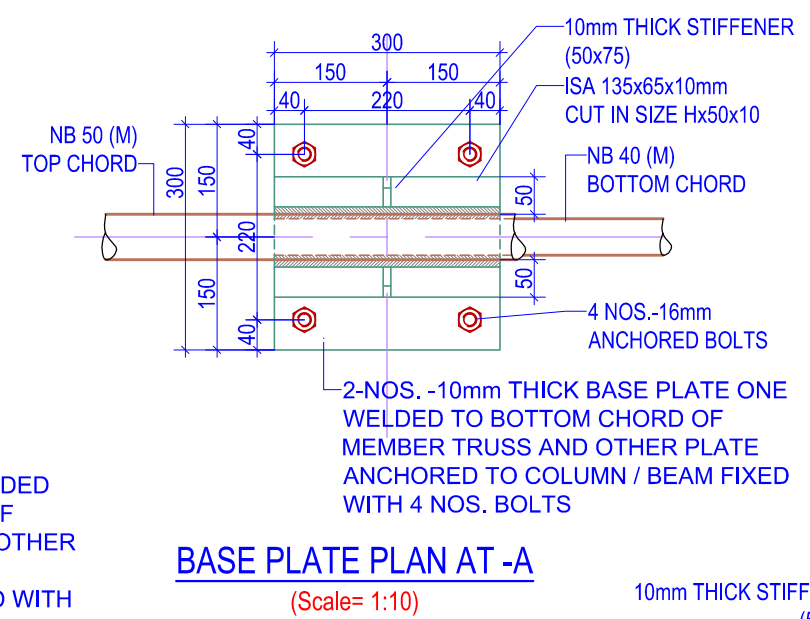
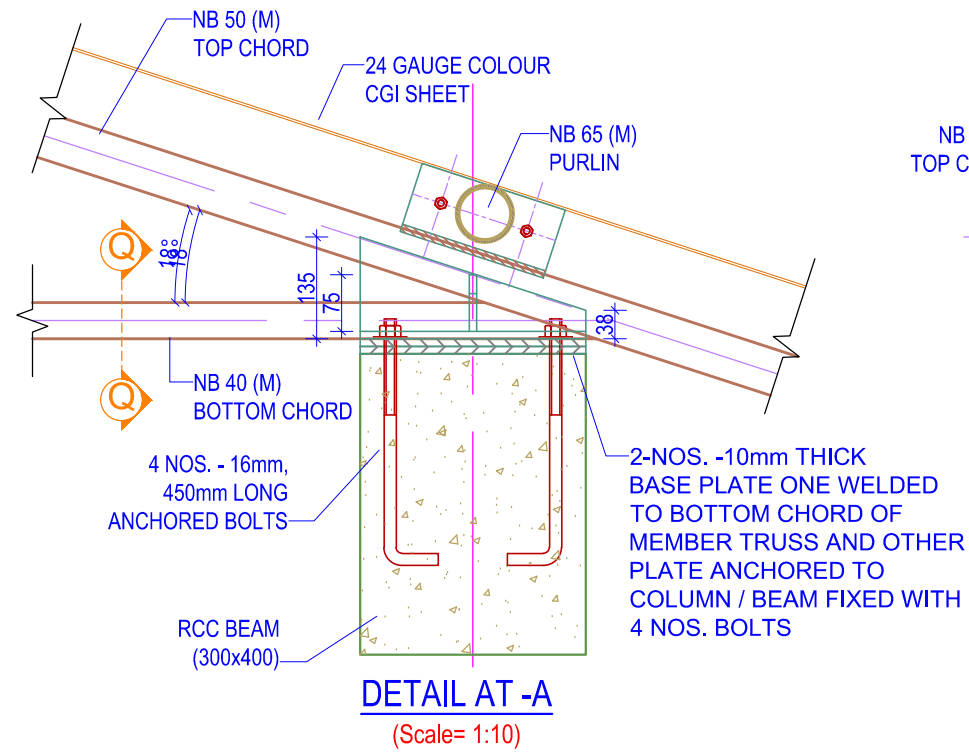
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3 STOREY 6 SMALL CLASSROOMS

Sheet Title :  
**TRUSS PLAN, SECTION &  
DETAILS**

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

Sheet No.
3-6C (S)
S-17





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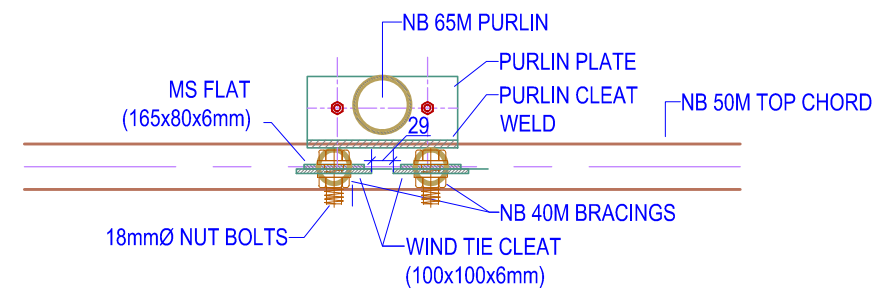
Sub-Consultant:

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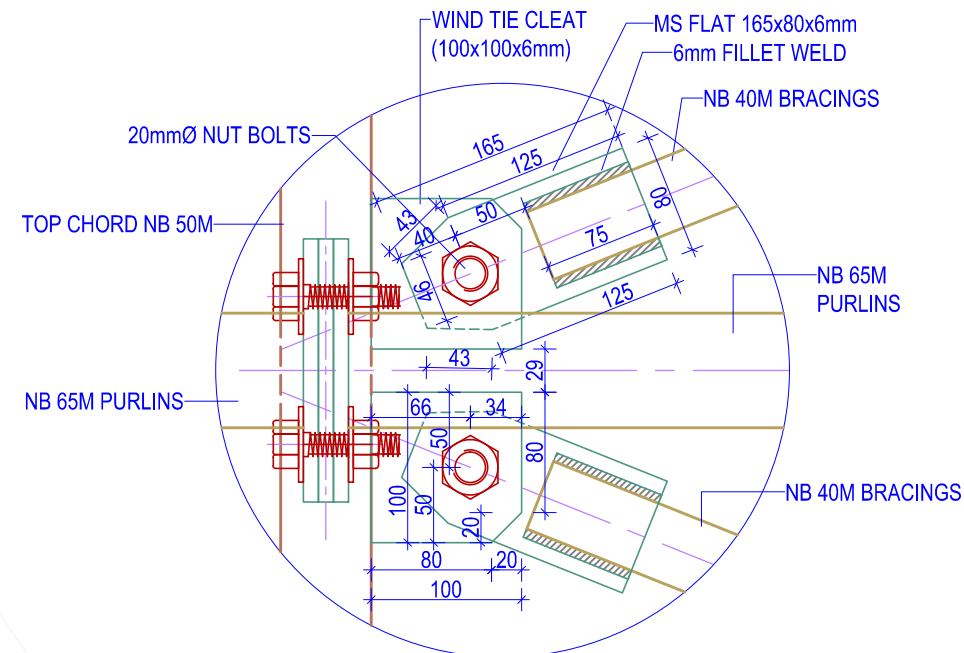
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Date : September, 2016	<b>S-18</b>
Print Sheet : A'3' Size	



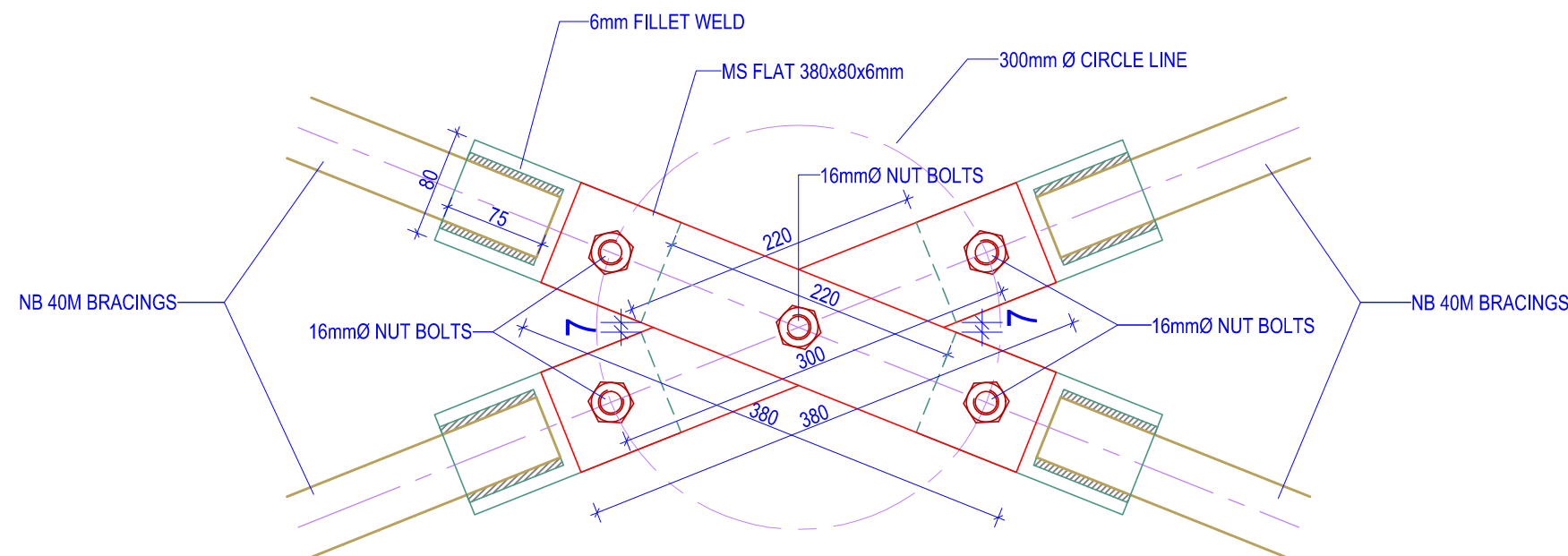
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(Scale= 1:10)



**TRUSS CLEAT FOR WIND TIES DETAILS**

(Scale= 1:5)



**TRUSS CLEAT JUNCTION FOR WIND TIES DETAILS**

(Scale= 1:5)

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Type Design :  
**3 STOREY 6 SMALL CLASSROOMS**

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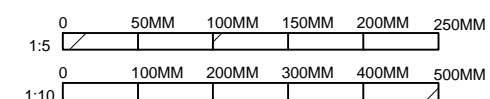
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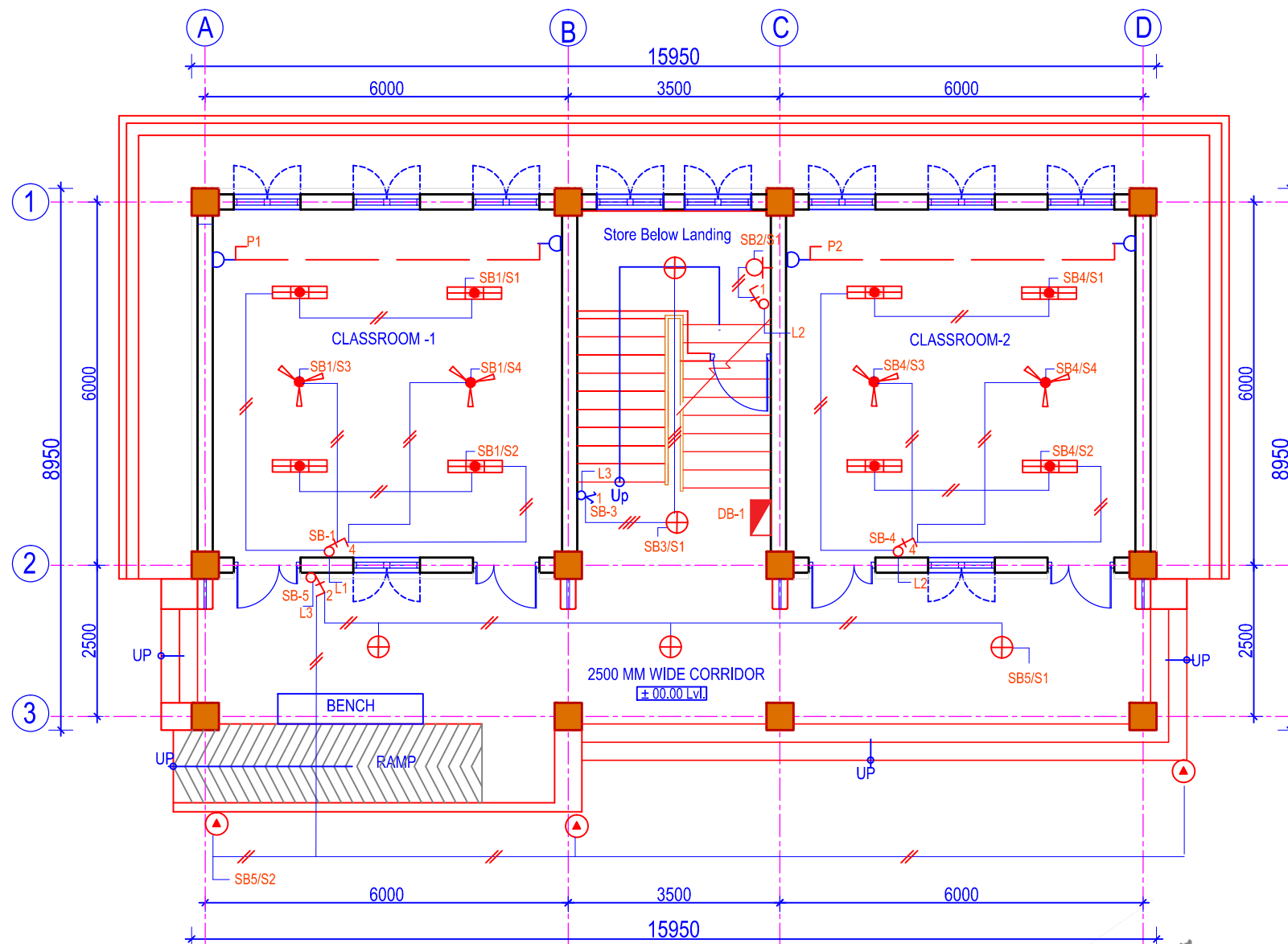
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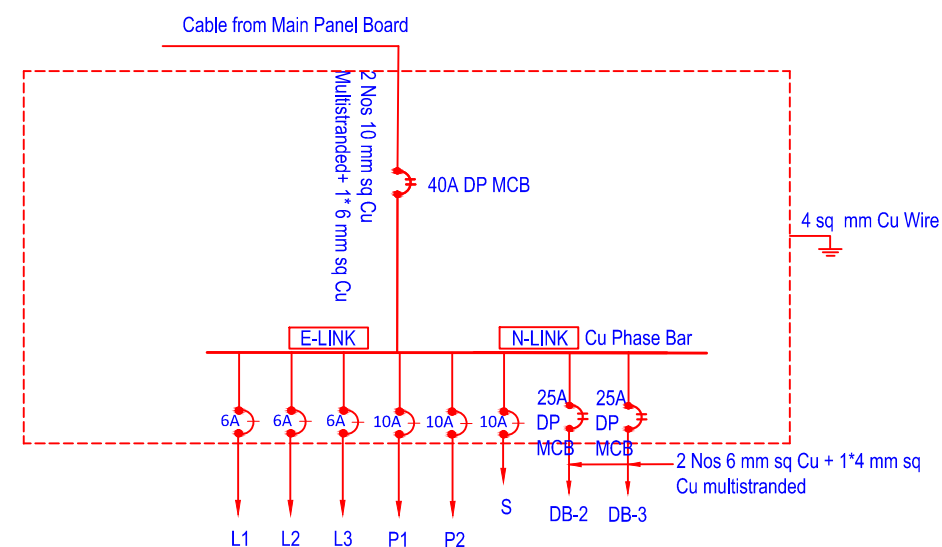






**LIGHT, POWER & DB LAYOUT PLAN  
(GROUND FLOOR)**

(Scale= 1:100)



**GROUND FLOOR L/P DISTRIBUTION SYSTEM (DB-1)**

## LEGEND

SN	SYMBOL	INDICATES	MOUNTING HEIGHT	REMARKS
1		2x28W Recess Type Mirror Optic	Attached to Ceiling	
2		1x28W Recess Type Mirror Optic	Attached to Ceiling	
3		2x28W Surface Type Mirror Optic	Attached to Ceiling	
4		1x28W Surface Type Mirror Optic	Attached to Ceiling	
5		13W CFL Dome Light	Attached to Ceiling	
6		13W CFL Recess Light	Attached to Ceiling	
7		13W LED Post Light	4 Meter Steel Pole	
8		8W CFL Wall Light		
9		1200mm Ceiling Fan	Attached to Ceiling	
10		6A Power Socket	Above Skirting	
11		Two way Switch	1.25m above Finished Floor Level	
12		One way Switch	1.25m above Finished Floor Level	
13		Single Pole MCB	-	
14		Double Pole MCB	-	
15		Three Pole MCB	-	
16		NEA Meter	2.5 m above Ground Level	
17		Distribution Board	2.5 m above Ground Level	
18		Main Panel Board	2.5 m above Ground Level	

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- The location of ramps to be adjusted as per site condition.



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Mr. Wong Kuok Hung	Mr. A.K. Dhungana

Type Design :

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Sheet Title :

LIGHT, POWER & DB  
LAYOUT PLAN  
(GROUND FLOOR)

Sheet No.

3-6C  
(S)

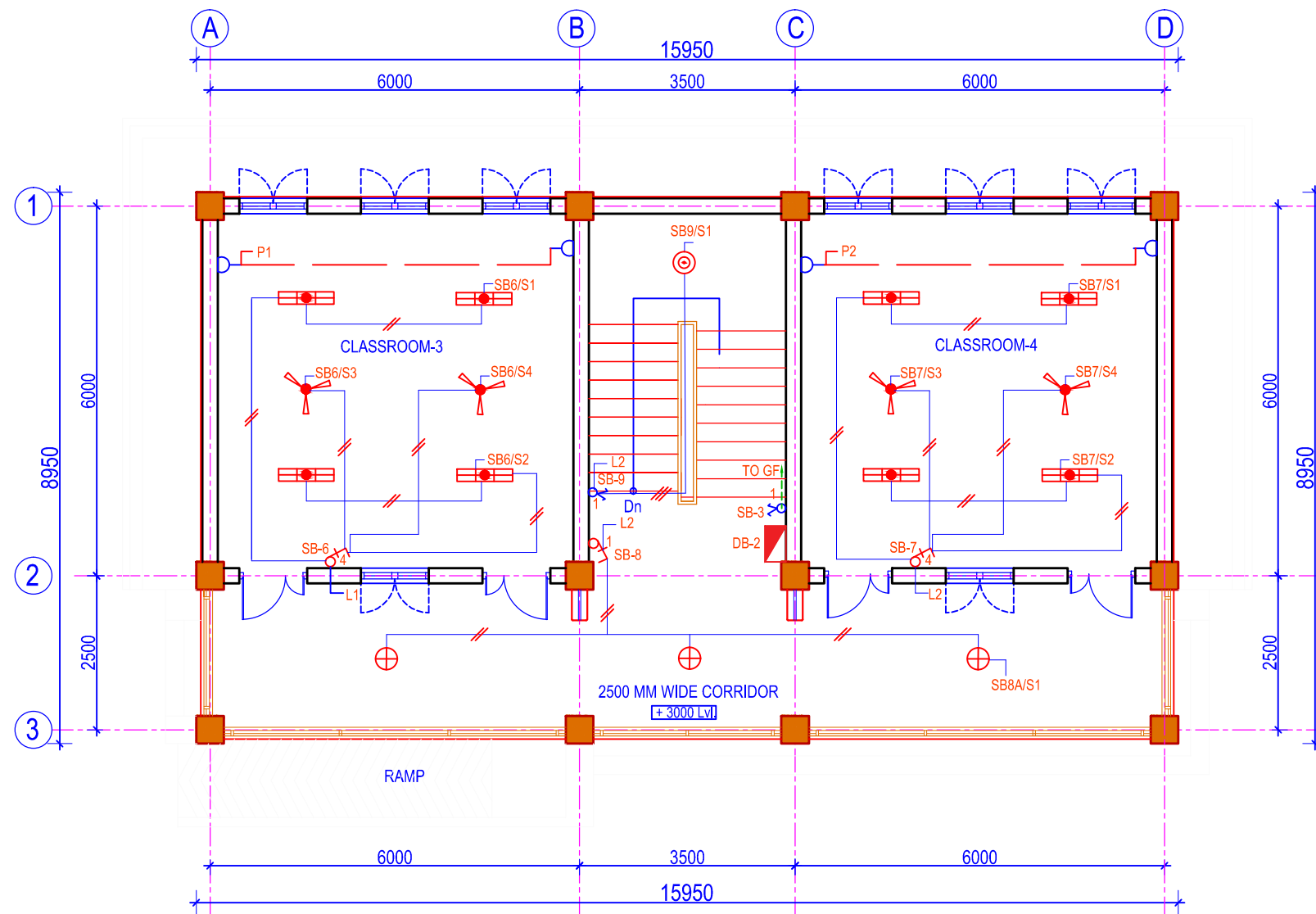
Date : September, 2016

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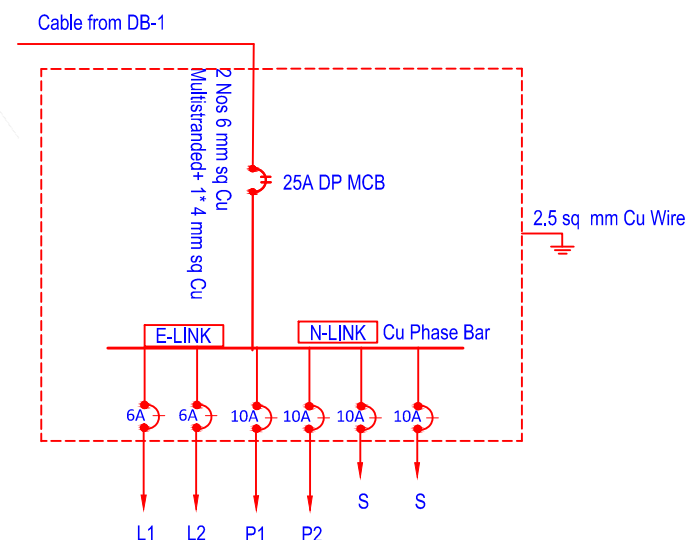
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1:100

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Central Level Project Implementation  
Gyaneshwor, Kathmandu



**LIGHT, POWER & DB LAYOUT PLAN  
(FIRST FLOOR)**

(Scale= 1:100)



**FIRST FLOOR L/P DISTRIBUTION SYSTEM (DB-2)**

## LEGEND

SN	SYMBOL	INDICATES	MOUNTING HEIGHT	REMARKS
1		2x28W Recess Type Mirror Optic	Attached to Ceiling	
2		1x28W Recess Type Mirror Optic	Attached to Ceiling	
3		2x28W Surface Type Mirror Optic	Attached to Ceiling	
4		1x28W Surface Type Mirror Optic	Attached to Ceiling	
5		13W CFL Dome Light	Attached to Ceiling	
6		13W CFL Recess Light	Attached to Ceiling	
7		13W LED Post Light	4 Meter Steel Pole	
8		8W CFL Wall Light		
9		1200mm Ceiling Fan	Attached to Ceiling	
10		6A Power Socket	Above Skirting	
11		Two way Switch	1.25m above Finished Floor Level	
12		One way Switch	1.25m above Finished Floor Level	
13		Single Pole MCB	-	
14		Double Pole MCB	-	
15		Three Pole MCB	-	
16		NEA Meter	2.5 m above Ground Level	
17		Distribution Board	2.5 m above Ground Level	
18		Main Panel Board	2.5 m above Ground Level	

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Type Design :

3 STOREY 6 SMALL CLASSROOMS

Sheet Title :

LIGHT, POWER & DB  
LAYOUT PLAN  
(FIRST FLOOR)

Date : September, 2016

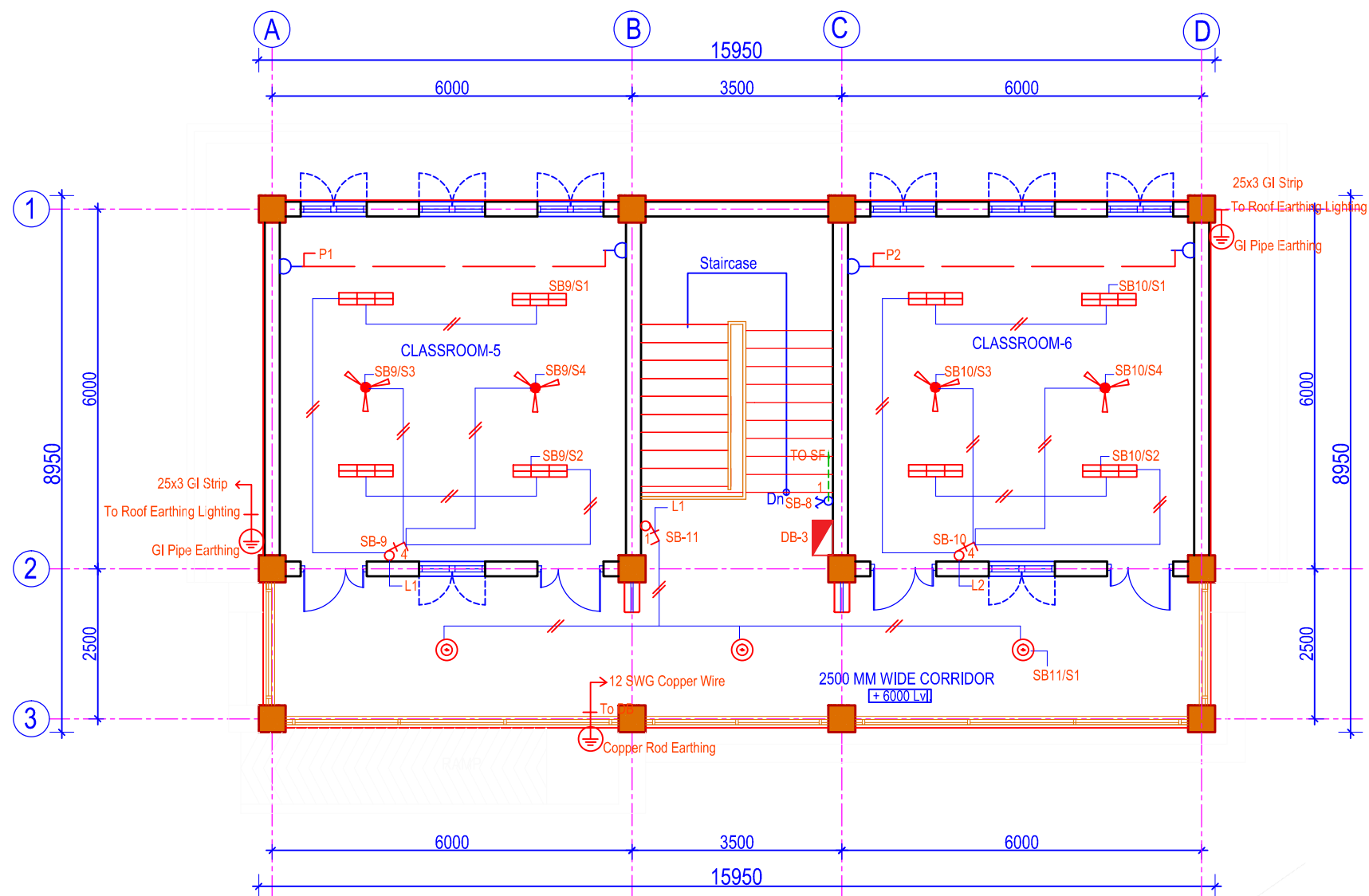
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Sheet No.

3-6C  
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E-02

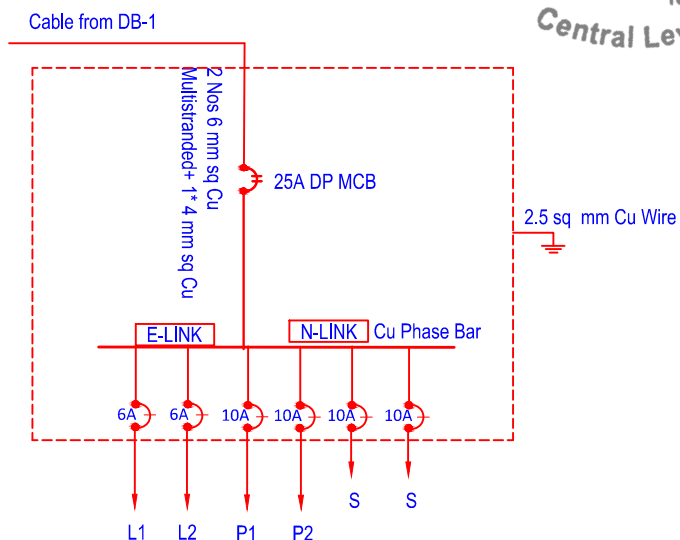
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1:100



**LIGHT, POWER & DB LAYOUT PLAN**

**(SECOND FLOOR)**

(Scale= 1:100)



**SECOND FLOOR L/P DISTRIBUTION SYSTEM (DB-3)**

**LEGEND**

SN	SYMBOL	INDICATES	MOUNTING HEIGHT	REMARKS
1		2x28W Recess Type Mirror Optic	Attached to Ceiling	
2		1x28W Recess Type Mirror Optic	Attached to Ceiling	
3		2x28W Surface Type Mirror Optic	Attached to Ceiling	
4		1x28W Surface Type Mirror Optic	Attached to Ceiling	
5		13W CFL Dome Light	Attached to Ceiling	
6		13W CFL Recess Light	Attached to Ceiling	
7		13W LED Post Light	4 Meter Steel Pole	
8		8W CFL Wall Light		
9		1200mm Ceiling Fan	Attached to Ceiling	
10		6A Power Socket	Above Skirting	
11		Two way Switch	1.25m above Finished Floor Level	
12		One way Switch	1.25m above Finished Floor Level	
13		Single Pole MCB	-	
14		Double Pole MCB	-	
15		Three Pole MCB	-	
16		NEA Meter	2.5 m above Ground Level	
17		Distribution Board	2.5 m above Ground Level	
18		Main Panel Board	2.5 m above Ground Level	

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**MOHRI, ARCHITECT & ASSOCIATES, INC**

Sub-Consultant:



**East West Engineering Service Pvt. Ltd.**  
P. Box-8621, Bansbari, Kathmandu, Nepal. web: ewesnepal.com  
Tel: 9771-4373316, Fax: 4650203, email: hbgewe@gmail.com

Mr. Tomoki Miyano	Mr. H.B. Gurung
Mr. Hisafumi Michikawa	Mr. A.S. Tamang
Mr. Wong Kuok Hung	Mr. A.K. Dhungana

Type Design :

**3 STOREY 6 SMALL CLASSROOM**

Sheet Title :

**LIGHT, POWER & DB  
LAYOUT PLAN  
(SECOND FLOOR)**

Sheet No.

**3-6C  
(S)**

Date : September, 2016

Print Sheet : A'3' Size

**E-03**

0 1M 2M 3M 4M 5M  
1:100