

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:

**2 story administration with computer room
2-AC**



CONSULTANTS:



ORIENTAL CONSULTANTS GLOBAL Joint Venture
Global Consulting for sustainable Development



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

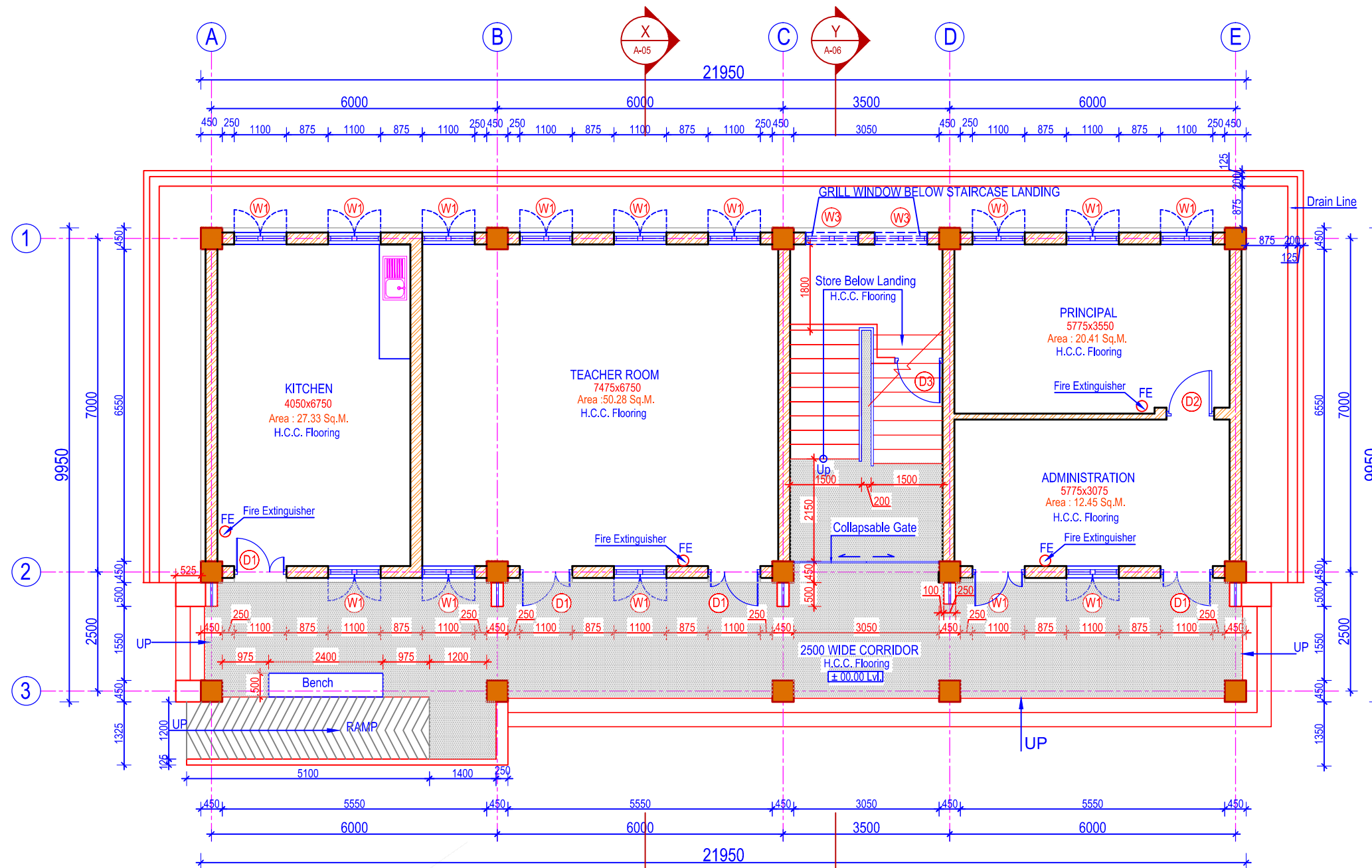
2 STORY ADMINISTRATION WITH COMPUTER ROOM

2-AC

TABLE OF CONTENT:

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





GROUND FLOOR PLAN

Area = 218.4 Sq. M.
(Scale = 1:100)

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development

Joint Venture with



MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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	Ms. M. Rana

Type Design :

**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title :
GROUND FLOOR PLAN

Sheet No.

2-AC

Date : September, 2016

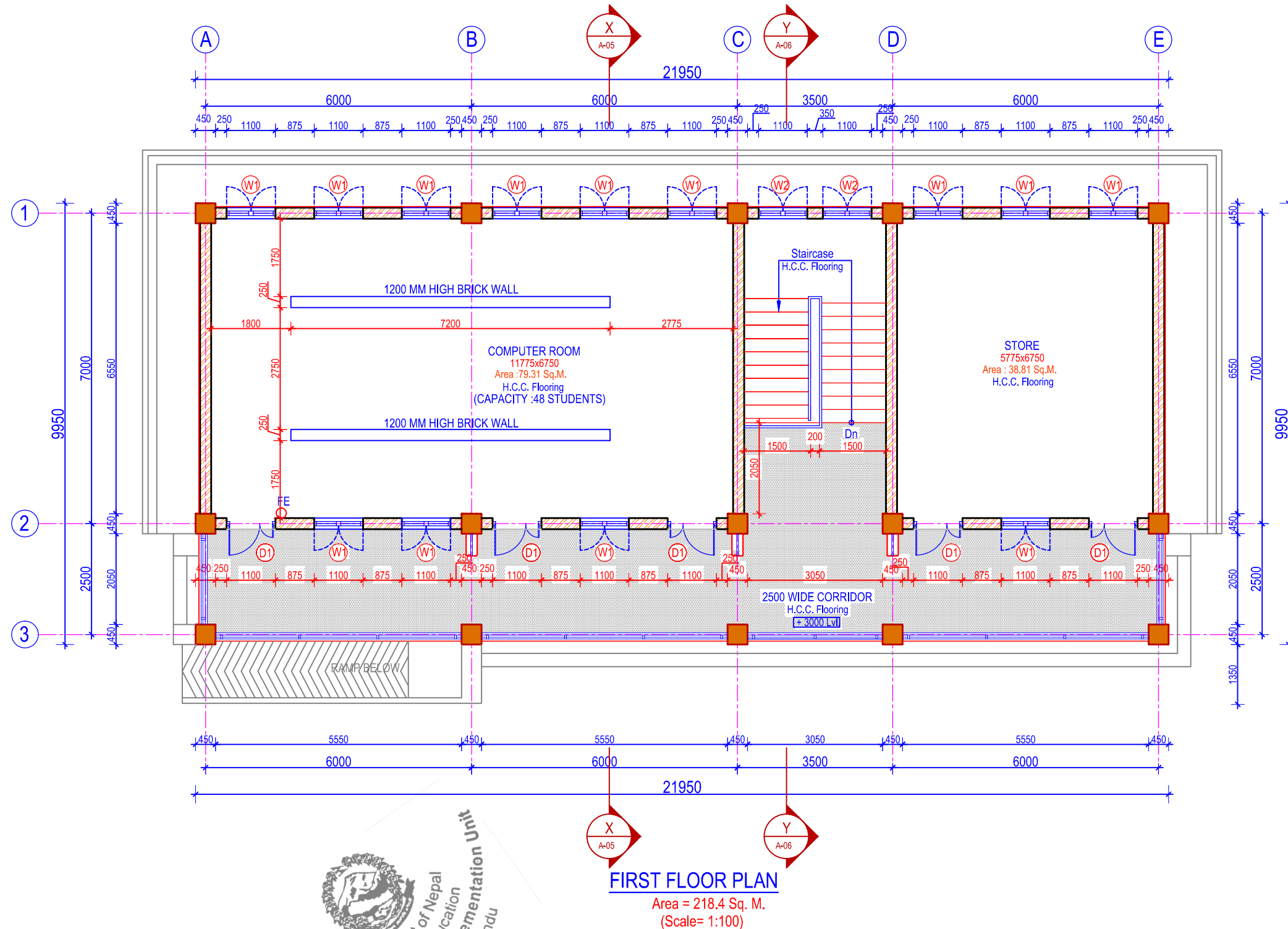
Print Sheet : A'3' Size

A-01

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

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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

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

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

Type Design :
**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

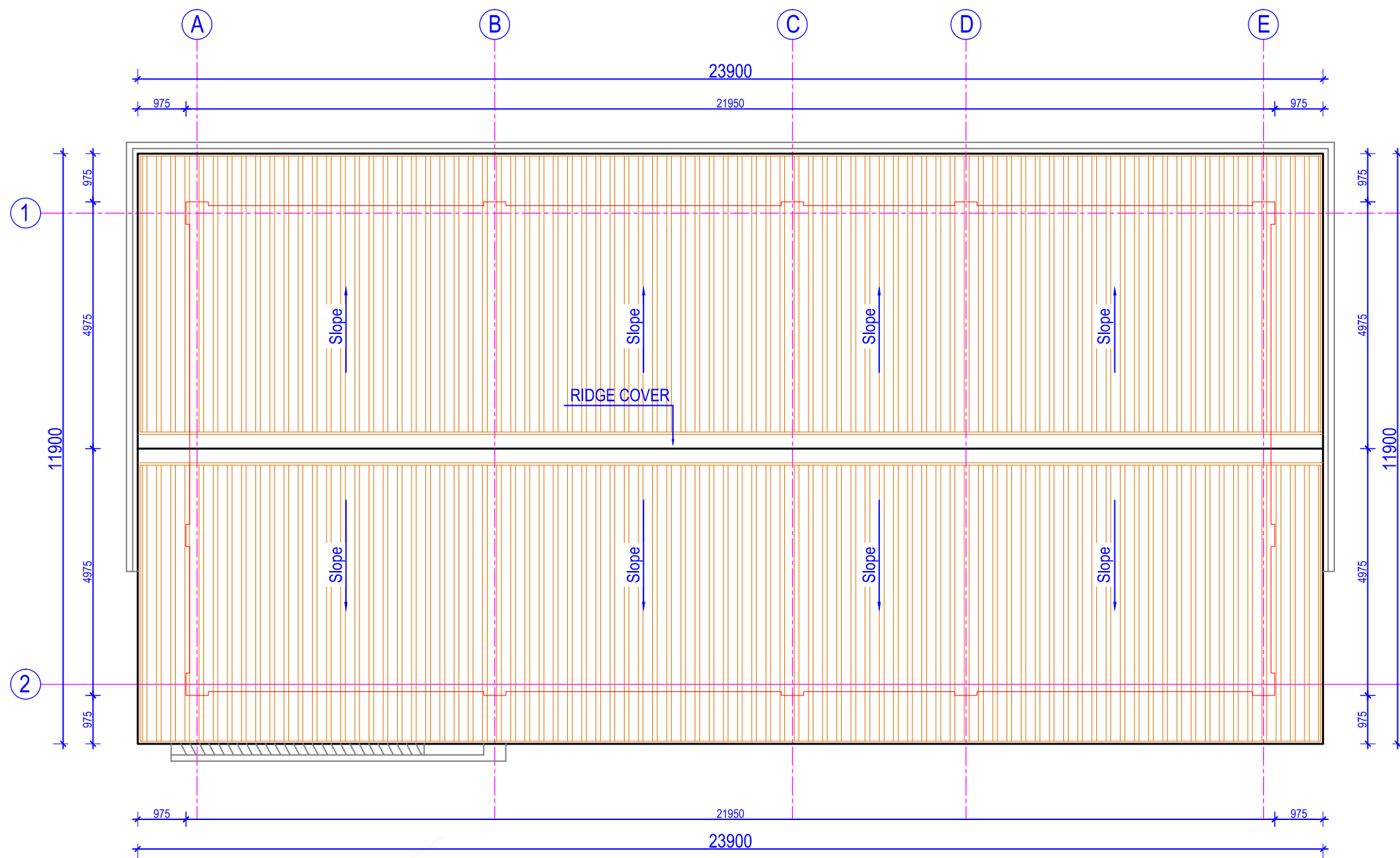
Sheet Title :
FIRST FLOOR PLAN

Sheet No.
2-AC

Date : September, 2016

Print Sheet : A'3' Size

A-02



ROOF PLAN

(Scale= 1:100)



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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor :
Japan International
Cooperation Agency

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development



Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

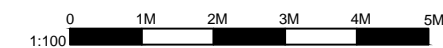
EWES East West Engineering Service Pvt. Ltd.
P. Box-8621, Bansbari, Kathmandu, Nepal. web: ewesnepal.com
Tel: 9771-4373316, Fax: 4650203, email: hbgewe@gmail.com

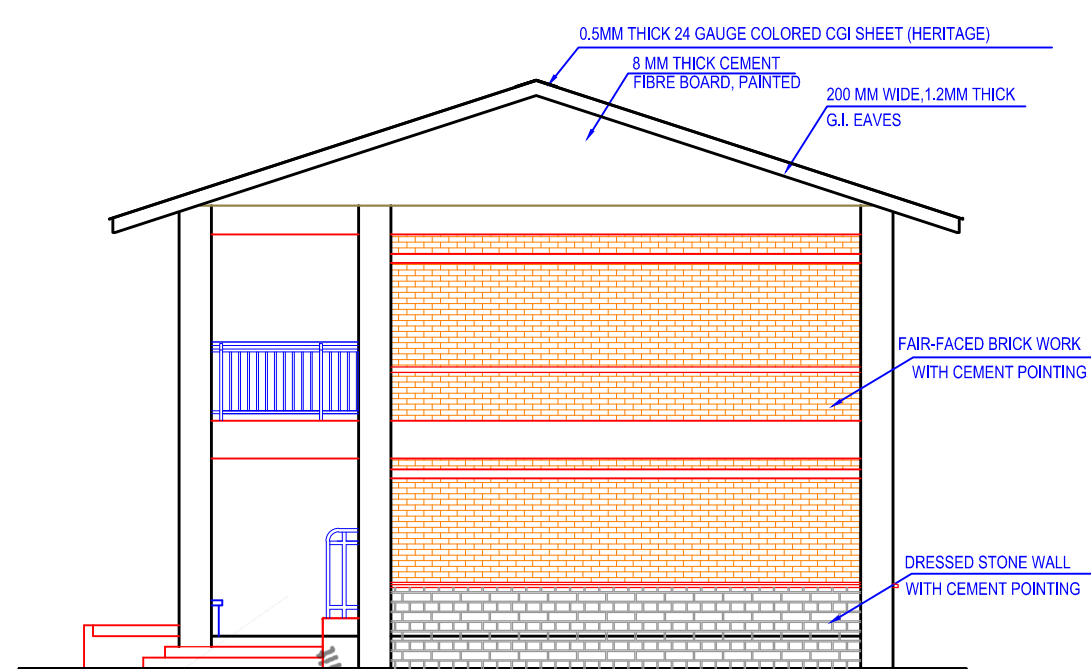
Mr. Tomoki Miyano	Mr. H.B. Gurung
Mr. Hisafumi Michikawa	Mr. A.S. Tamang
Mr. Wong Kuok Hung	Ms. M. Rana

Type Design :
2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

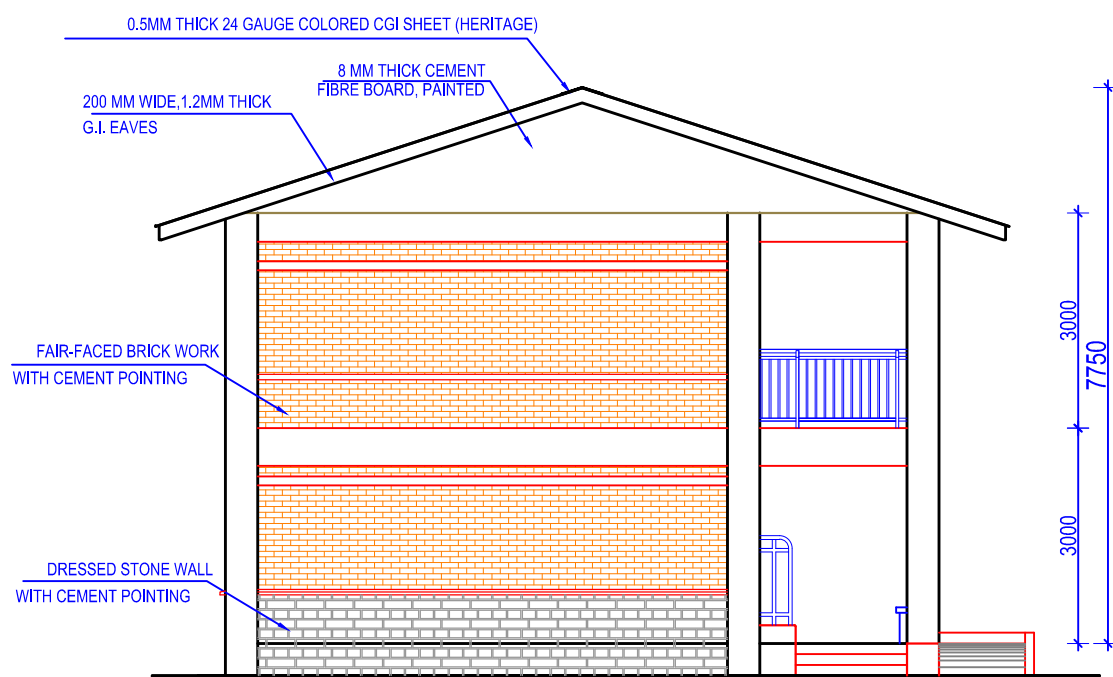
Sheet Title : ROOF PLAN	Sheet No. 2-AC
----------------------------	-------------------

Date : September, 2016	A-03
Print Sheet : A'3' Size	





SIDE ELEVATION



SIDE ELEVATION

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu



FRONT ELEVATION

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

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.



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development

Joint Venture with



MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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	Ms. M. Rana

Type Design :
**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title :
ELEVATIONS

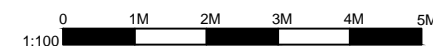
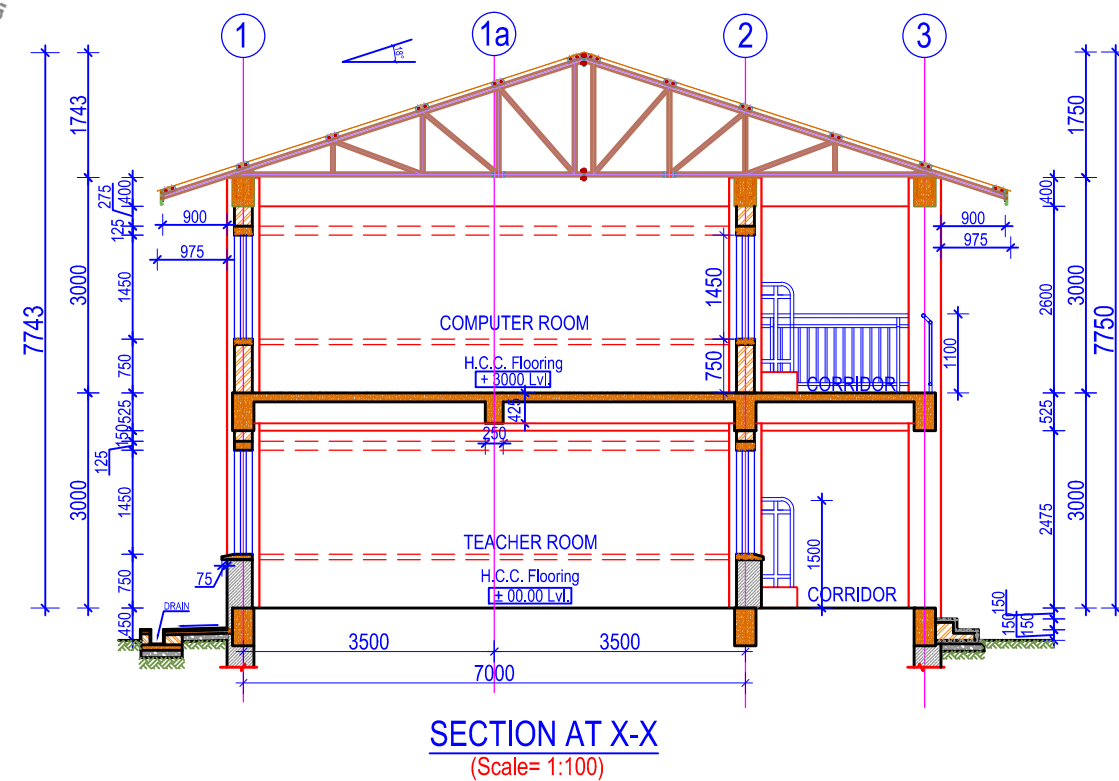
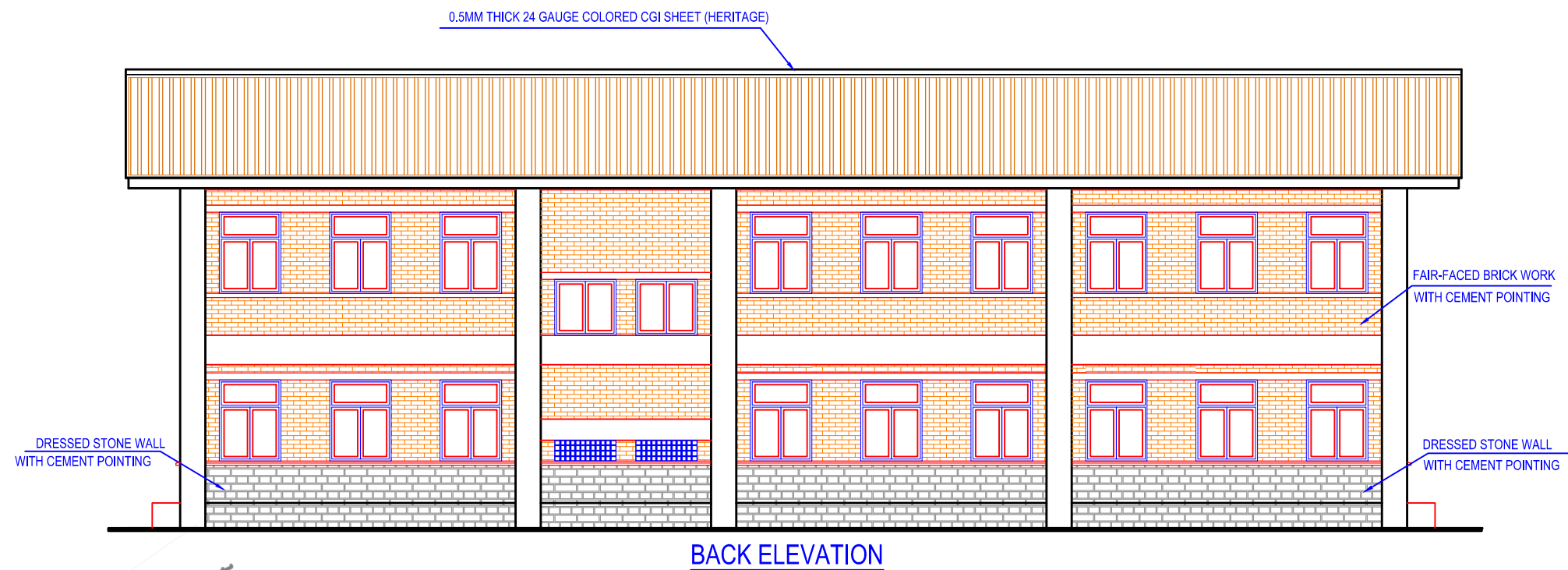
Sheet No.

2-AC

Date : September, 2016

Print Sheet : A'3' Size

A-04



- 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.



Project Title:
Emergency School Reconstruction Project

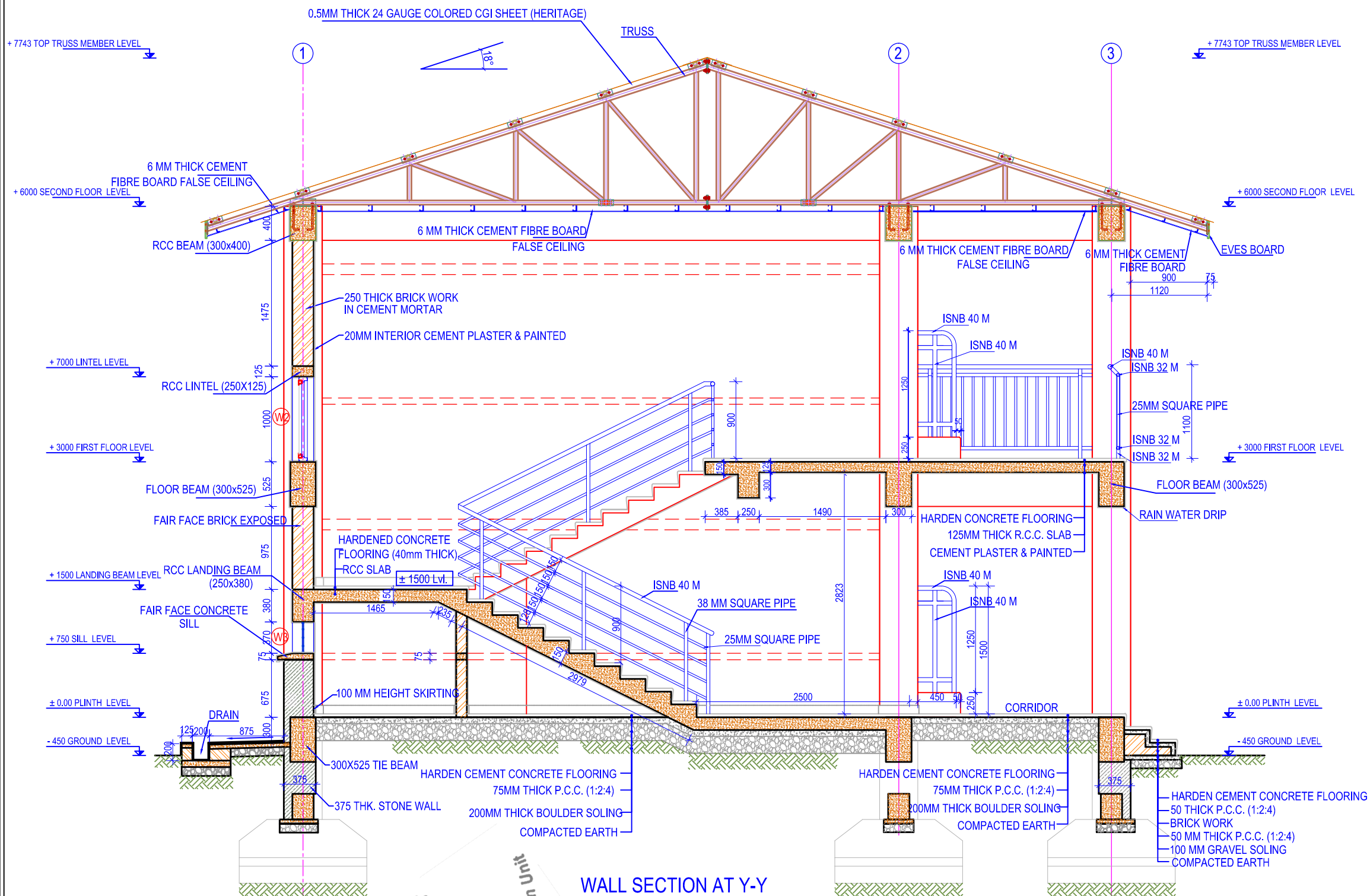


Sub-Consultant:
EWES East West Engineering Service Pvt. Ltd.
P. Box-8621, Bansbari, Kathmandu, Nepal. web: ewesnepal.com
Tel: 9771-4373316, Fax: 4650203, email: hbgewe@gmail.com

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

Type Design :
2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

Sheet Title : ELEVATION & SECTION	Sheet No. 2-AC
Date : September, 2016	A-05
Print Sheet : A'3' Size	



Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor :
Japan International
Cooperation Agency

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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	Ms. M. Rana

Type Design :

2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

Sheet Title :
WALL SECTION

Sheet No.

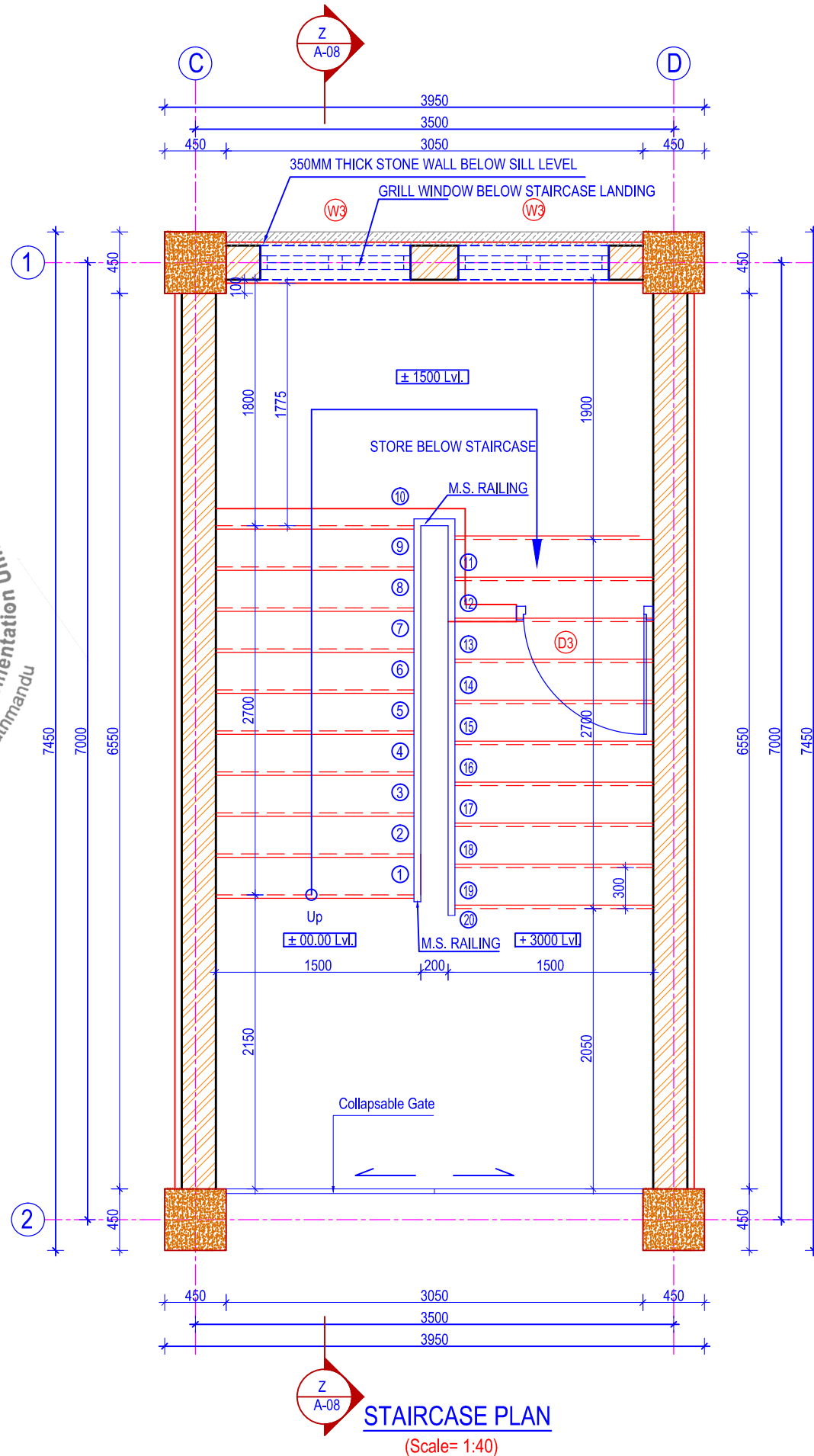
2-AC

Date : September, 2016

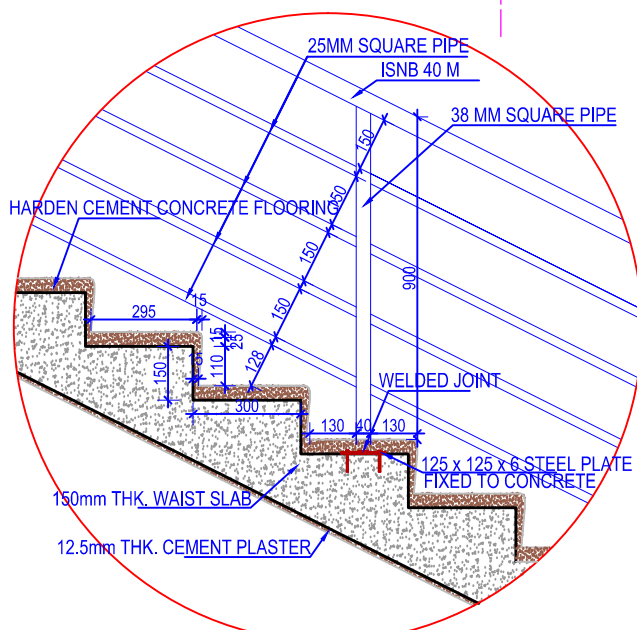
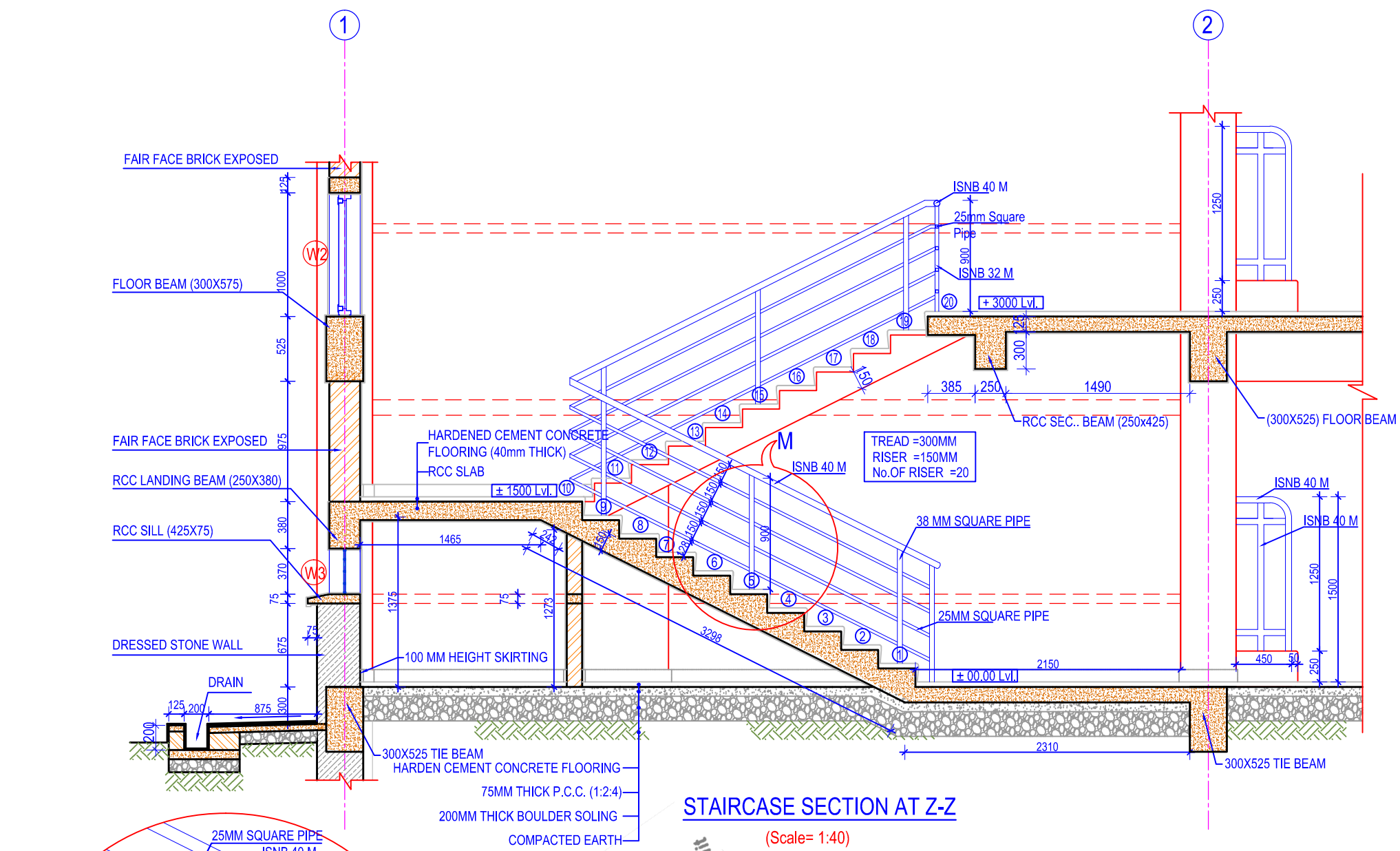
Print Sheet : A'3' Size

A-06

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



- | | |
|---------------------------------|-----------|
| Sheet Title :
STAIRCASE PLAN | Sheet No. |
| | 2-AC |
| Date : September, 2016 | A-07 |
| Print Sheet : A'3' Size | |



- 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.

Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal

Donor : Japan International
Cooperation Agency

Project Title:
Emergency School Reconstruction Project

ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

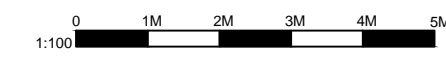
Sub-Consultant:
EWES East West Engineering Service Pvt. Ltd.
P. Box-8621, Banshari, Kathmandu, Nepal. web: ewesnepal.com
Tel: 9771-4373316, Fax: 4650203, email: hbgewe@gmail.com

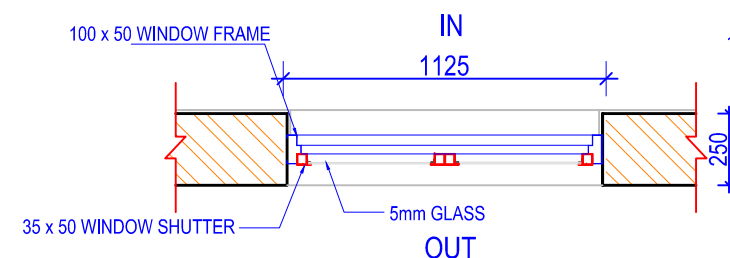
Mr. Tomoki Miyano	Mr. H.B. Gurung
Mr. Hisafumi Michikawa	Mr. A.S. Tamang
Mr. Wong Kuok Hung	Ms. M. Rana

Type Design :
2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

Sheet Title : STAIRCASE DETAIL	Sheet No. 2-AC
-----------------------------------	-------------------

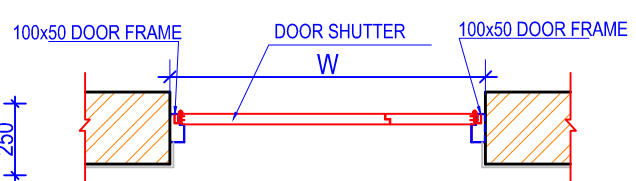
Date : September, 2016	A-08
Print Sheet : A'3' Size	





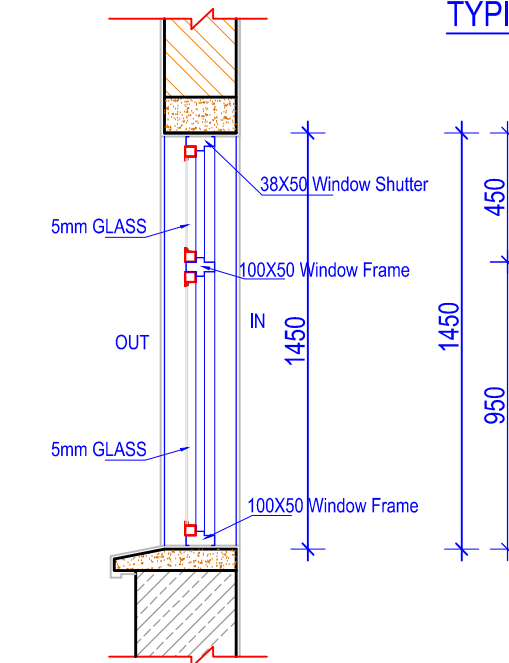
TYPICAL WINDOW SECTIONAL PLAN

(Scale= 1:25)



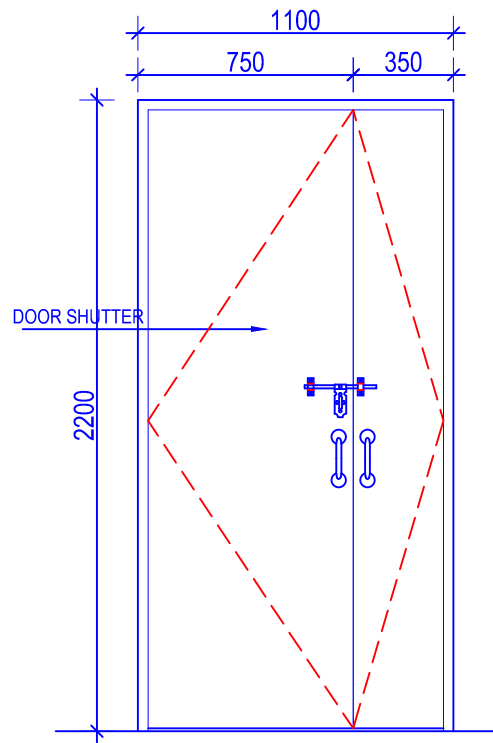
TYPICAL METAL DOOR SECTIONAL PLAN

(Scale= 1:25)



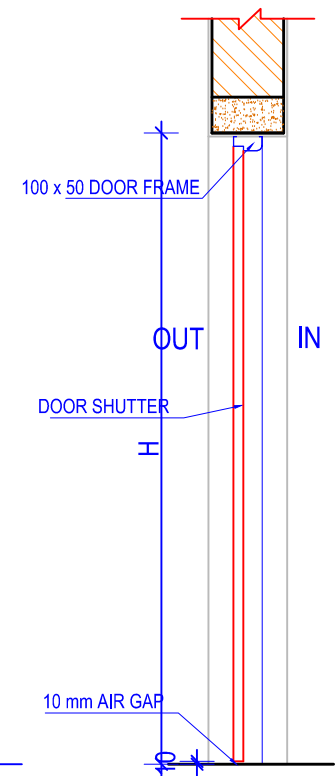
TYPICAL METAL WINDOW SECTION

(Scale= 1:25)



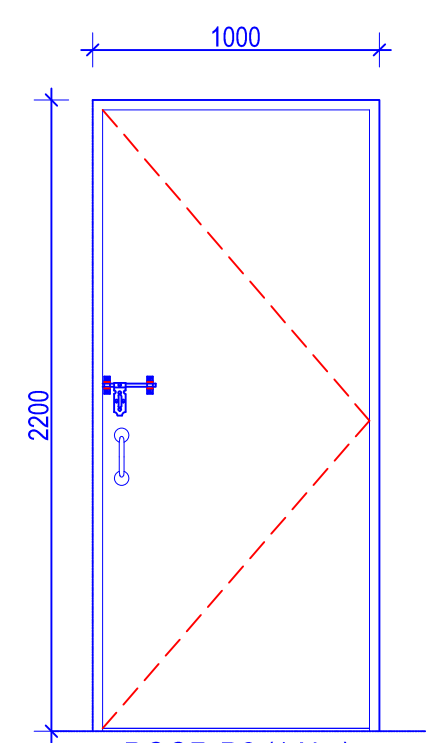
DOOR-D1 (9 Nos.)

(Scale= 1:25)



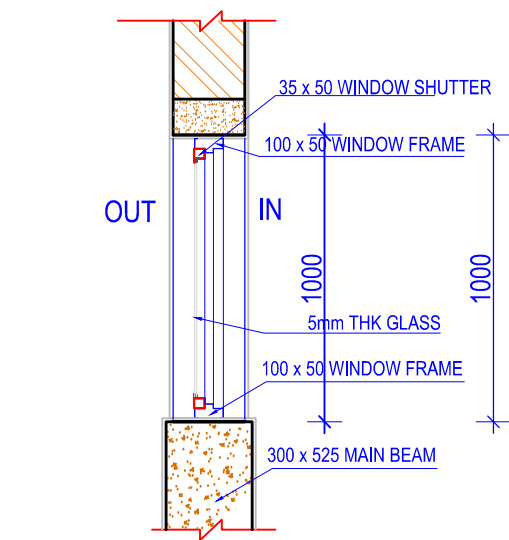
TYPICAL METAL DOOR SECTIONAL ELEVATION

(Scale= 1:25)



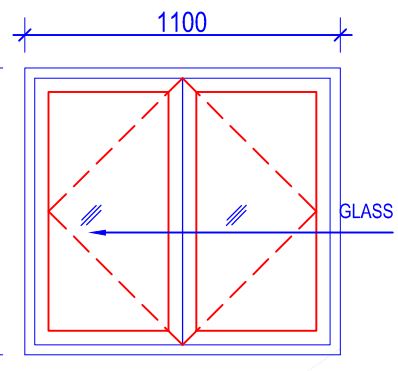
DOOR-D2 (1 No.)

(Scale= 1:25)



TYPICAL METAL WINDOW SECTION

(Scale= 1:25)

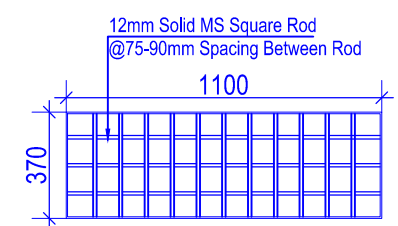


WINDOW-W2 (2 Nos.)

(Scale= 1:25)

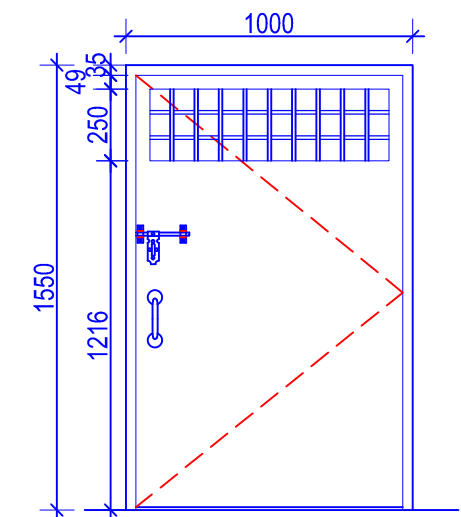
DOORS & WINDOWS SCHEDULE:

S.N.	SYMBOL	SIZES	G.F.	F.F.	TOTAL	REMARKS
1.	W1	1100 x 1450	14	13	27	MS Frame & Shutter Grill For Ground Floor & First Floor Corridor Side
2.	W2	1100 x 1000	-	2	2	MS Frame & Shutter With Metal Grill
3.	W3	1100 x 370	2	-	2	MS Square Rod (Grill)
4.	D1	1100 x 2200	4	5	9	MS Frame & Shutter
5.	D2	1000 x 2200	1	-	1	MS Frame & Shutter
6.	D3	1000 x 1550	1	-	1	MS Frame & Shutter
TOTAL			22	20	42	



FIXED WINDOW-W3 (2 Nos.)

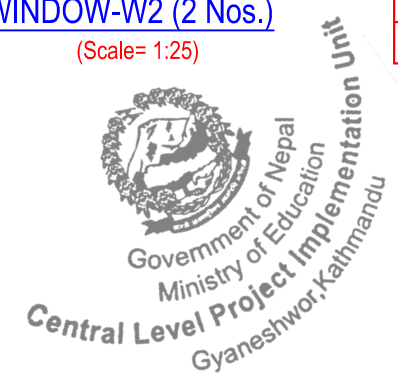
(Scale= 1:25)



DOOR-D3 (1 No.)

Area: 2.41 Sq.M.

(Scale= 1:25)



- 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.

Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal

Donor : Japan International
Cooperation Agency

Project Title:
Emergency School Reconstruction Project

ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

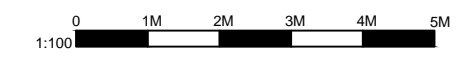
Sub-Consultant:
EWES East West Engineering Service Pvt. Ltd.
P. Box-8621, Bansbari, Kathmandu, Nepal. web: ewesnepal.com
Tel: 9771-4373316, Fax: 4650203, email: hbgewe@gmail.com

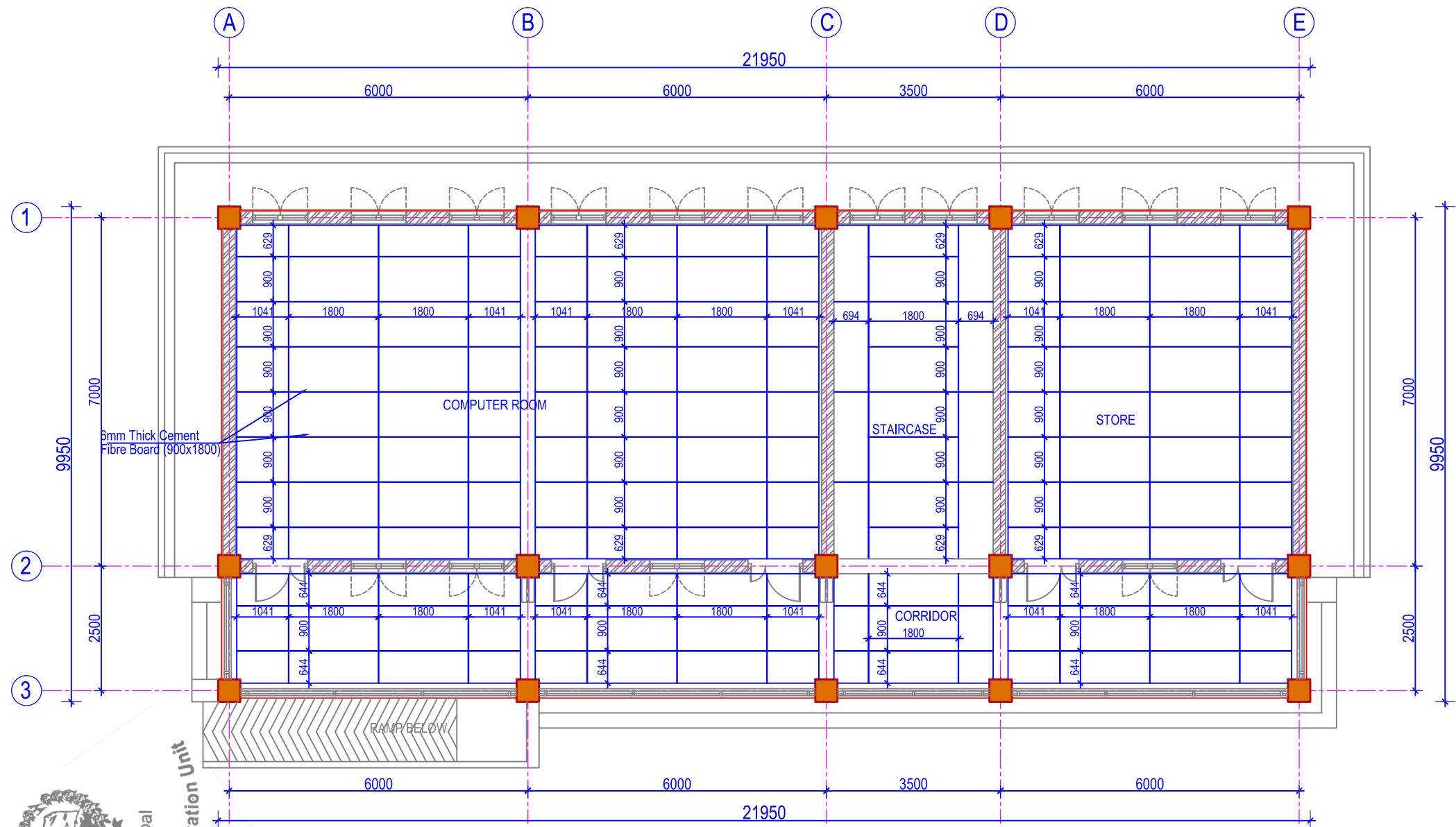
Mr. Tomoki Miyano Mr. H.B. Gurung
Mr. Hisafumi Michikawa Mr. A.S. Tamang
Mr. Wong Kuok Hung Ms. M. Rana

Type Design :
2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

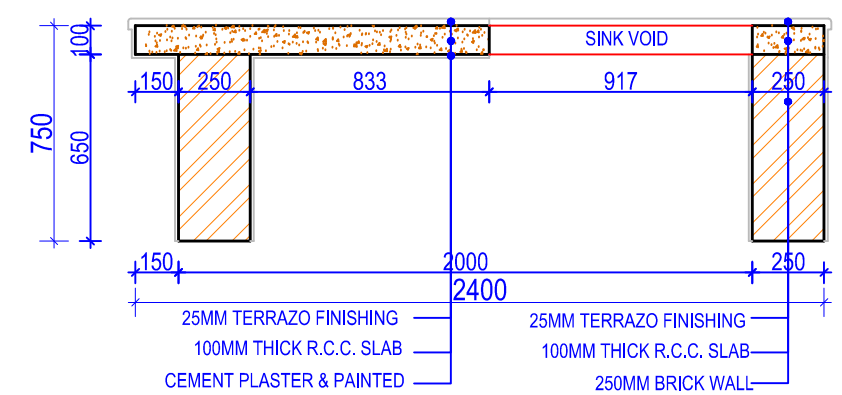
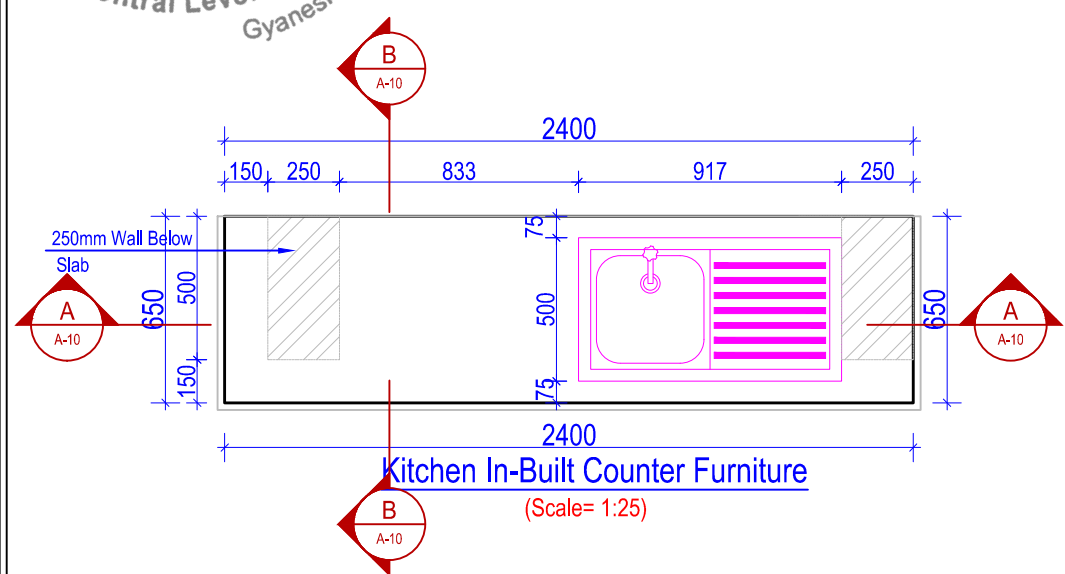
Sheet Title : DOOR & WINDOW DETAILS Sheet No. 2-AC

Date : September, 2016
Print Sheet : A'3' Size A-09

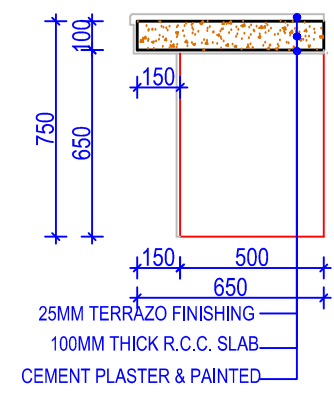




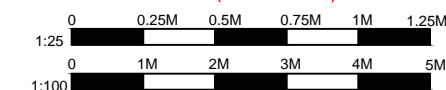
FIRST FLOOR FALSE CEILING LAYOUT PLAN



Section at A-A
(Scale= 1:25)



Section at B-B
(Scale= 1:25)



- 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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International Cooperation Agency**

Project Title:
Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:
EWES 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	Ms. M. Rana

Type Design :
2 STOREY ADMINISTRATION WITH COMPUTER ROOM

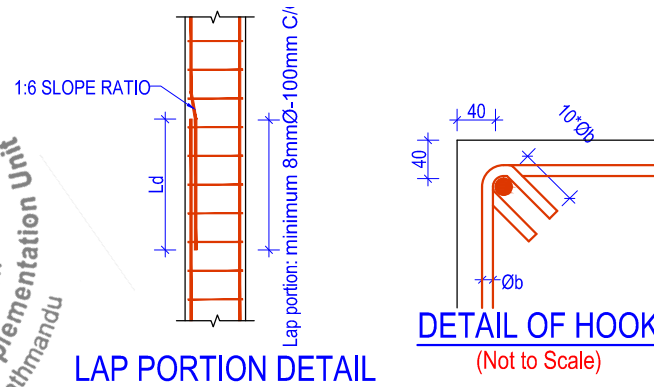
Sheet Title : FALSE CEILING LAYOUT PLAN & COUNTER DETAIL	Sheet No. 2-AC
--	--------------------------

Date : September, 2016	A-10
Print Sheet : A'3' Size	

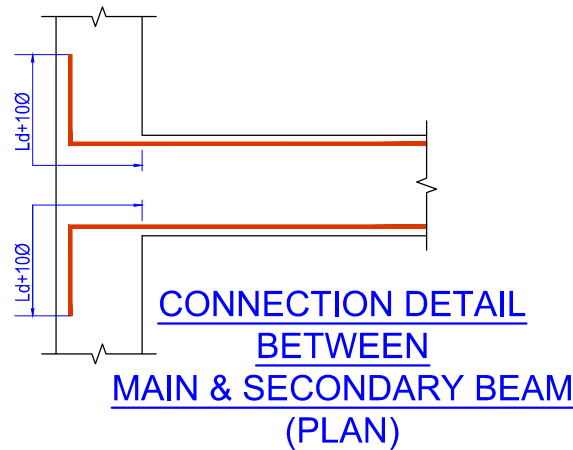
GENERAL NOTE:

- USE M20 (1:1.5:3) GRADE CONCRETE FOR SLAB, BEAM, COLUMN, FOUNDATION, SILL & LINTEL BANDS (ALL RCC WORKS)
- USE Fe500 GRADE STEEL ($f_y=500\text{N/mm}^2$) for stirrups Fe415 N/mm²
- CLEAR COVER TO BARS
 - FOR CONCRETE MEMBERS IN CONTACT WITH SOIL = MIN 50mm
 - FOR LONGITUDINAL (VERTICAL) BARS IN COLUMN = 40mm
 - FOR MAIN BARS IN BEAMS = 25mm
 - FOR OUTER BARS IN SLAB = 20mm
- BARS IN COLUMNS SHALL BE SPliced ONLY AT MID HEIGHT OF COLUMN AS PER DUCTILE DETAILING IS 13920- 2014
- BARS SPlicing IN BEAM SHALL BE AVOIDED IN THE SPAN WHERE INTERMEDIATE BEAM IS CONNECTED AND SHALL BE ONLY AS SHOWN ON DWG.
- DEVELOPMENT / LAP LENGTH (L_d) FOR BARS.

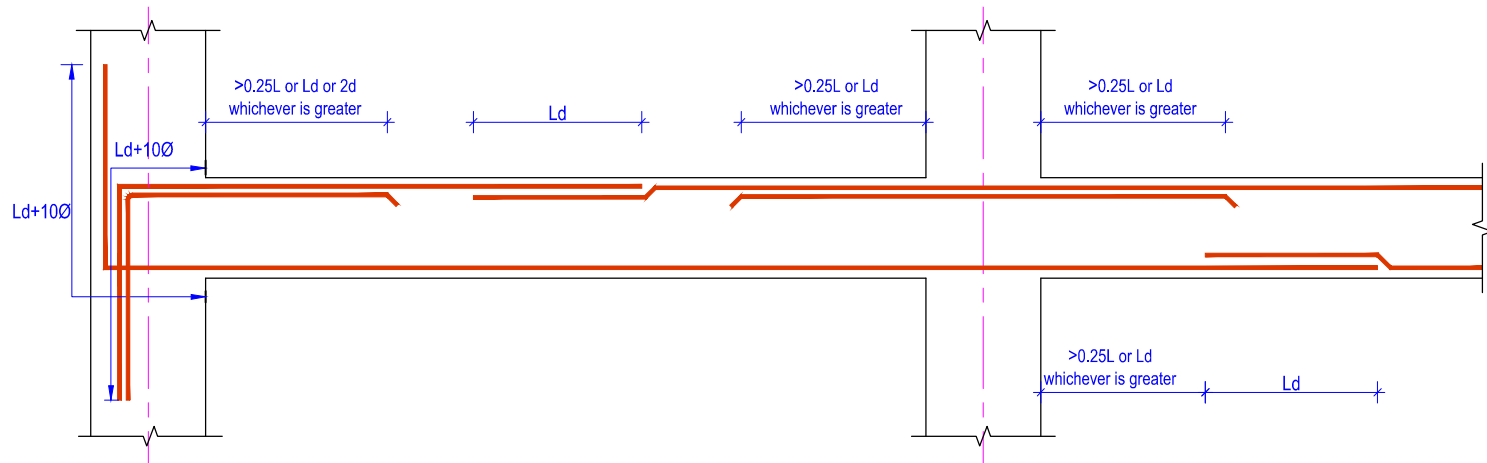
BAR DIA-(mm)	8	10	12	16	20	25	32
FOR M20 L_d	480	600	720	960	1200	1500	1920
- TEMP./DISTRIBUTION REINFORCEMENT FOR SLAB - TMT 8Ø @ 150 C/C
- CLEAR VERTICAL DISTANCE BETWEEN TWO ROWS (LAYERS) OF BARS=25mm.
- PROVIDE SHEAR REINFORCEMENT AT 100 C/C AT LAP LOCATIONS.
- H = CLEAR SPAN OF FLOOR.
- h = $H/6$ OR 450mm OR LARGER LATERAL DIMENSION OF THE MEMBER ,WHICHEVER IS GREATER.
- Z = DEPTH OF BEAM.
- STRUCTURAL STEEL SHALL HAVE STRENGTH F_y 345MPa
- FOUNDATION TYPE SHOULD BE DECIDED BY SITE CONDITION AFTER EXCAVATION OF FOUNDATION.
- IF BEARING CAPACITY IS LESS THAN 50 kN/m², FOUNDATION SHOULD BE RE-DESIGNED.
- PROVIDE 2-16dia TORSION BARS IN 525mm DEEP BEAM



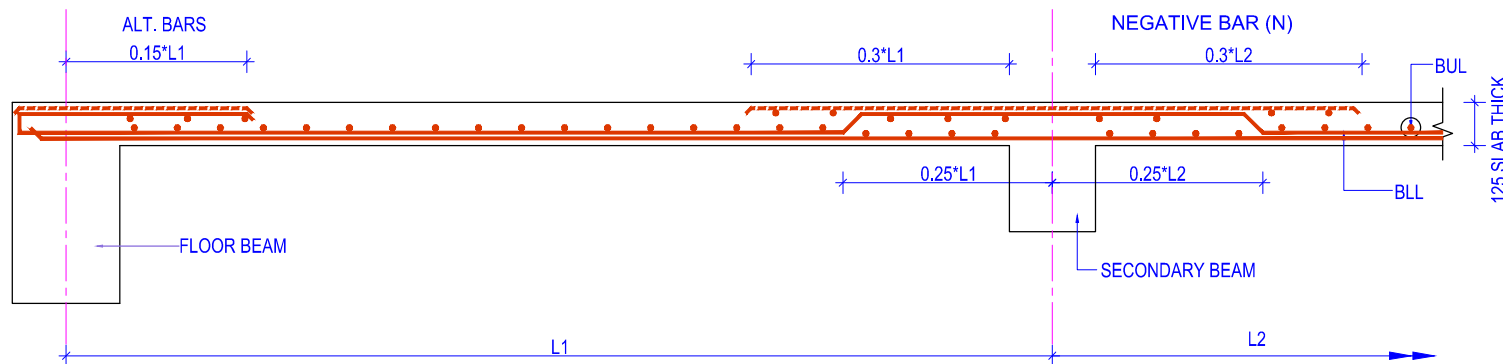
LAP PORTION DETAIL



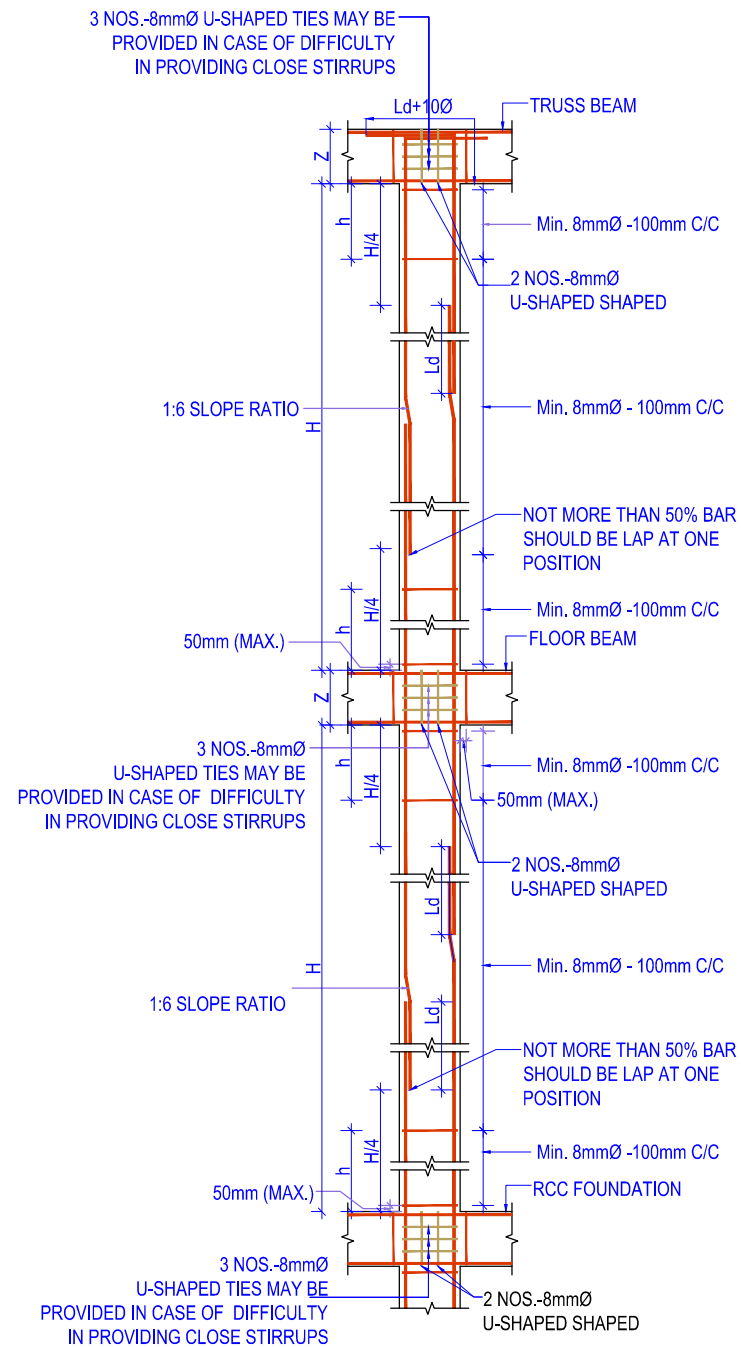
CONNECTION DETAIL BETWEEN MAIN & SECONDARY BEAM (PLAN)



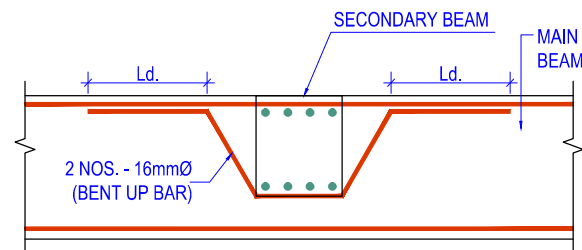
TYPICAL LAP LOCATION FOR BEAM BARS



TYPICAL BENT-UP DETAIL FOR SLAB BARS



TYP. COLUMN SHEAR REINFORCEMENT DETAIL



CONNECTION DETAIL BETWEEN MAIN & SECONDARY BEAM

NOTES:

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



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor :
Japan International
Cooperation Agency

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

Sheet Title :
GENERAL NOTES &
TYPICAL DETAILS

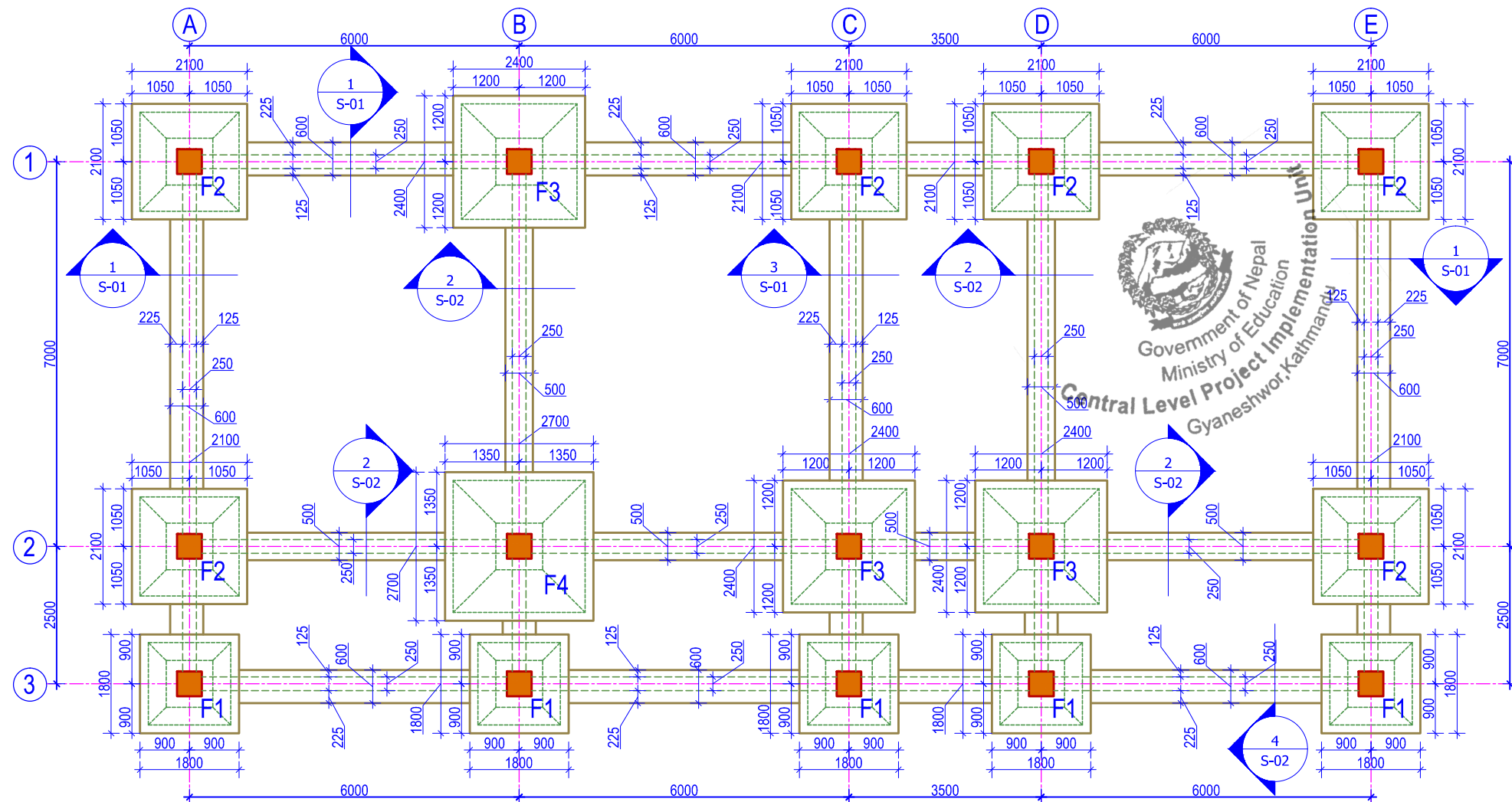
Sheet No.

2-AC

Date : September, 2016

Print Sheet : A'3' Size

S-00

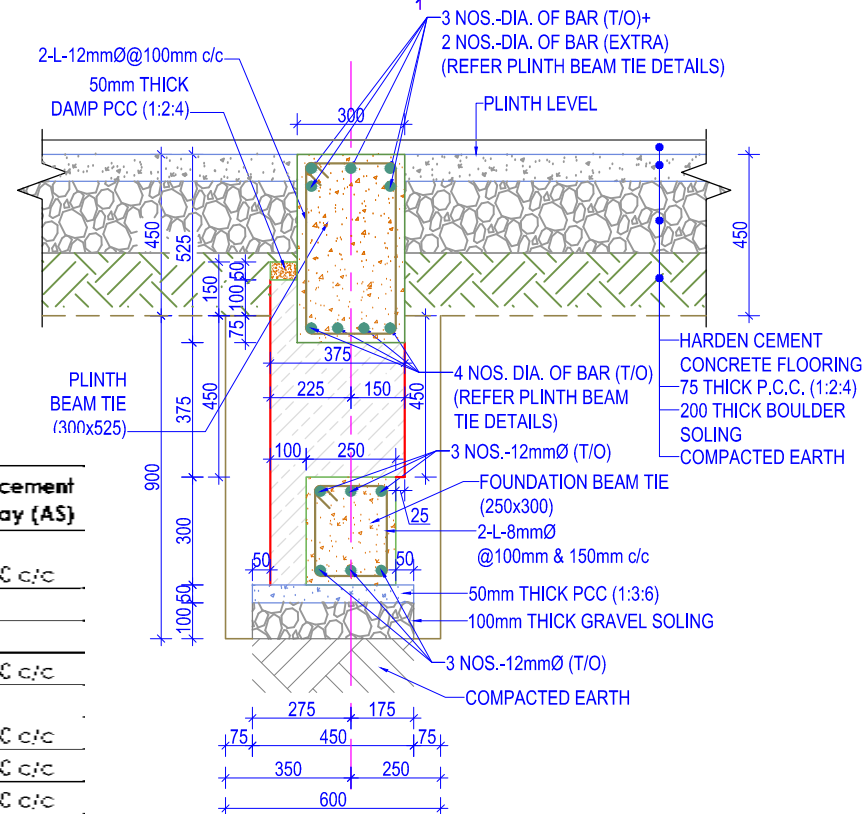


TRENCH PLAN
(Scale= 1:100)

S.N.	FOOTING	LENGTH	BREADTH	DEPTH
1	F1	1500	1500	450
2	F2	1800	1800	450
3	F3	2100	2100	450
4	F4	2400	2400	450

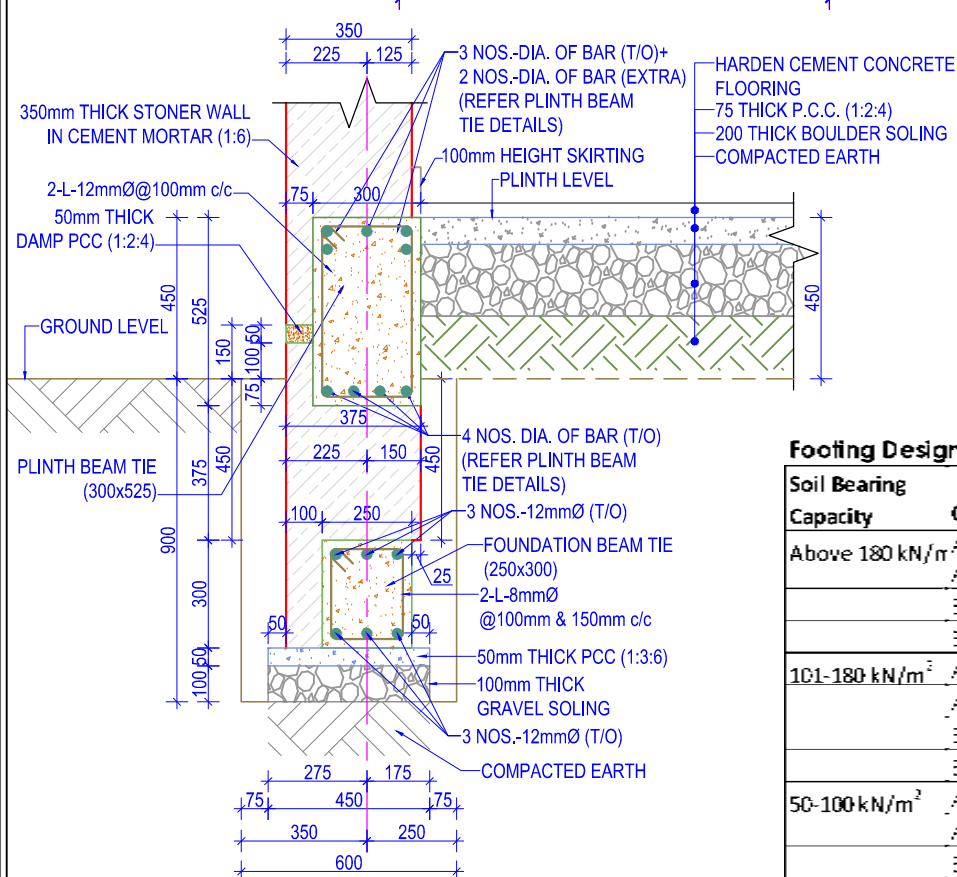
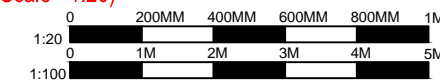
Footing Design for 2-AC

Soil Bearing Capacity	Grid	Foundation Size L x B (mm)	Thickness (mm)	Reinforcement Each way (AS)
Above 180 kN/m ²	A1.C1.D1.E1	1500 x 1500	450	12Ø - 150 c/c
	A2.C2.D2.E2	1800 x 1800	450	12Ø - 150 c/c
	31	2000 x 2000	450	12Ø - 150 c/c
101-180 kN/m ²	A3.B3.C3.D3.E3	1500 x 1500	450	12Ø - 150 c/c
	A1.A2.C1.D1.E1.E2	2100 x 2100	450	12Ø - 150 c/c
	32	2400 x 2400	450	12Ø - 150 c/c
50-100 kN/m ²	A3.B3.C3.D3.E3	1500 x 1500	450	12Ø - 150 c/c
	A1.A2.C1.D1.E1.E2	2600 x 2600	450	12Ø - 150 c/c
	31.C2.D2	3000 x 3000	450	12Ø - 150 c/c
	32	3400 x 3400	450	12Ø - 150 c/c



WALL FOUNDATION DETAIL SECTION AT -3

(Scale= 1:20)



WALL FOUNDATION DETAIL SECTION AT -1

(Scale= 1:20)

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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

2 STOREY ADMINISTRATION WITH COMPUTER ROOM

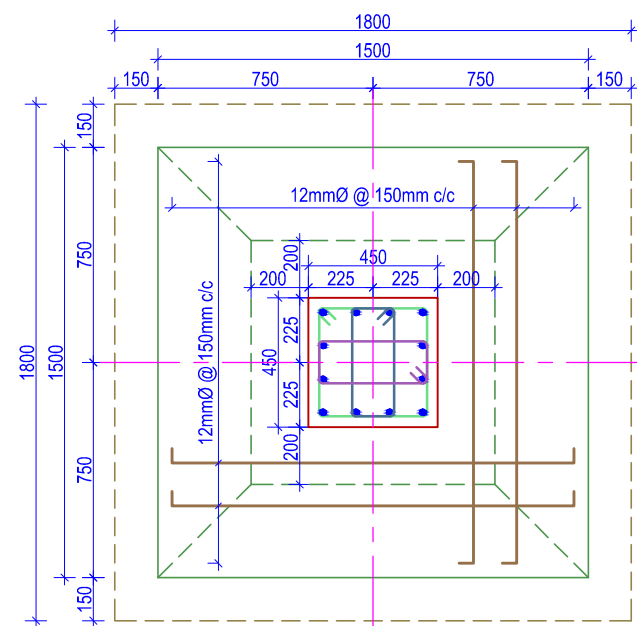
Sheet Title :
TRENCH PLAN & WALL FOUNDATION DETAIL

Sheet No.
2-AC

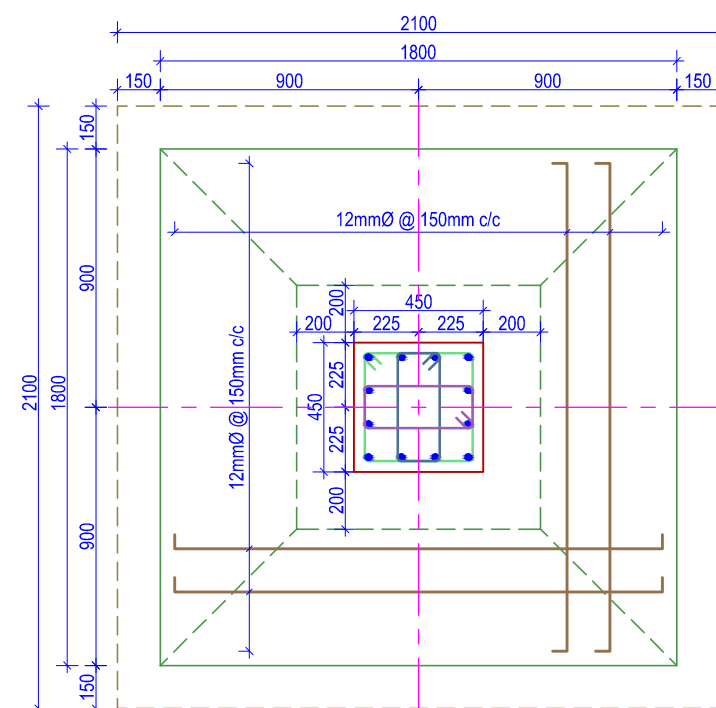
Date : September, 2016

Print Sheet : A'3' Size

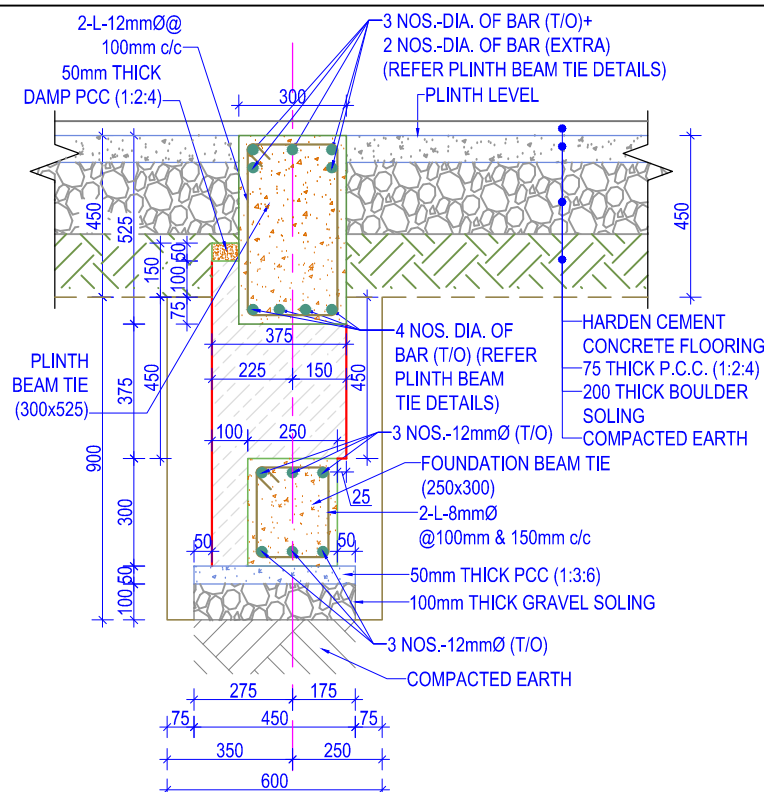
S-01



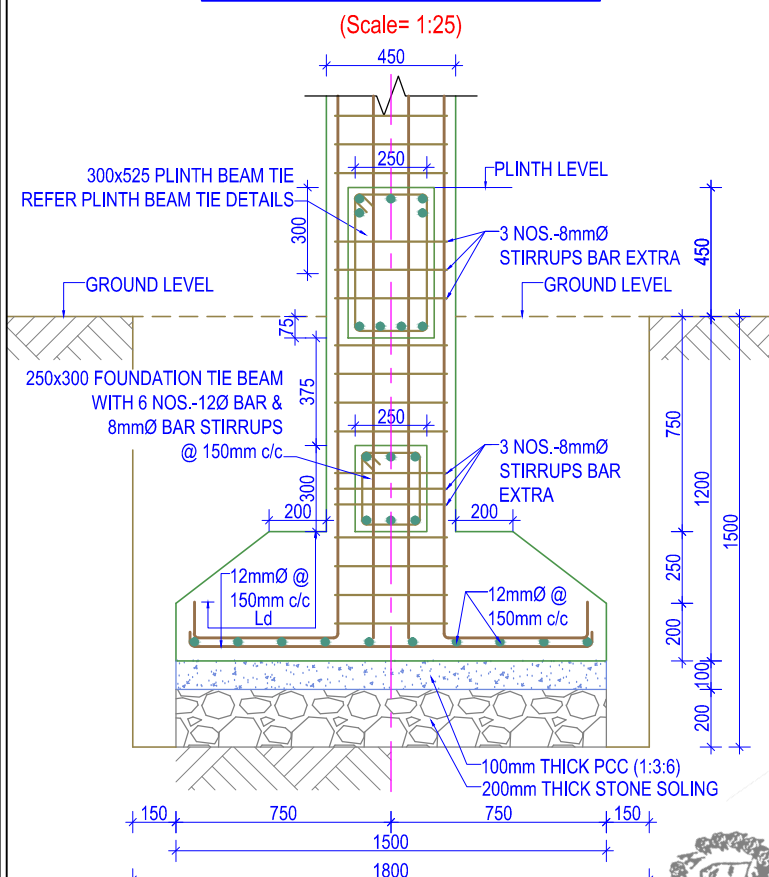
COLUMN FOOTING PLAN -F1



COLUMN FOOTING PLAN -F2

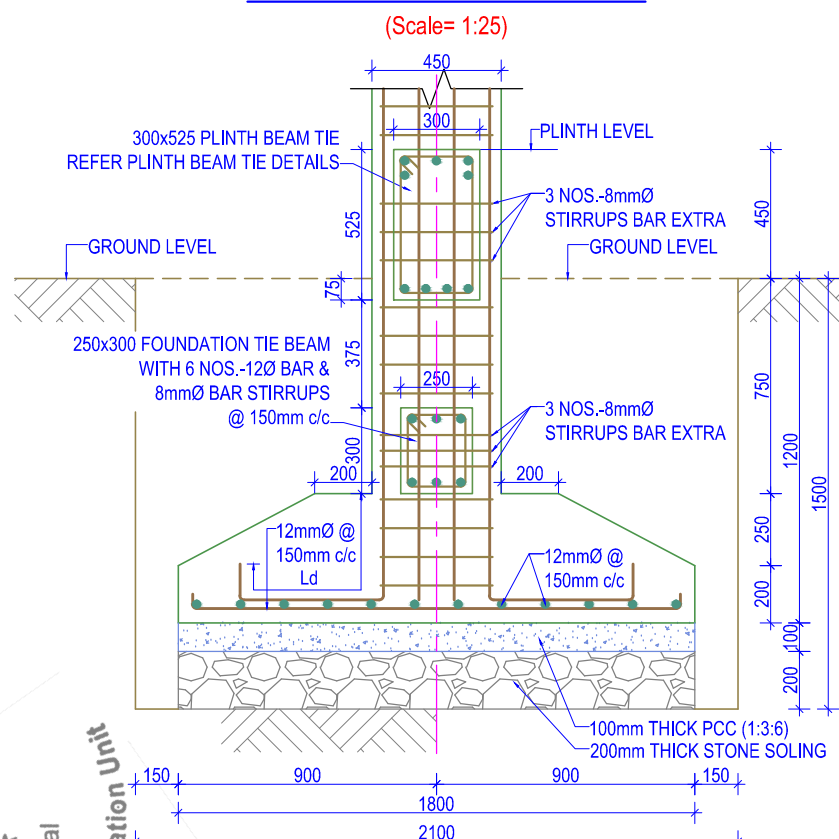


WALL FOUNDATION DETAIL SECTION AT -4



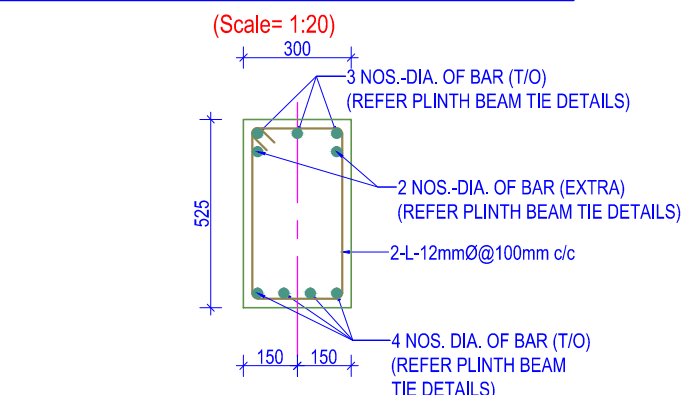
COLUMN FOOTING SECTION -F1

(Scale= 1:25)



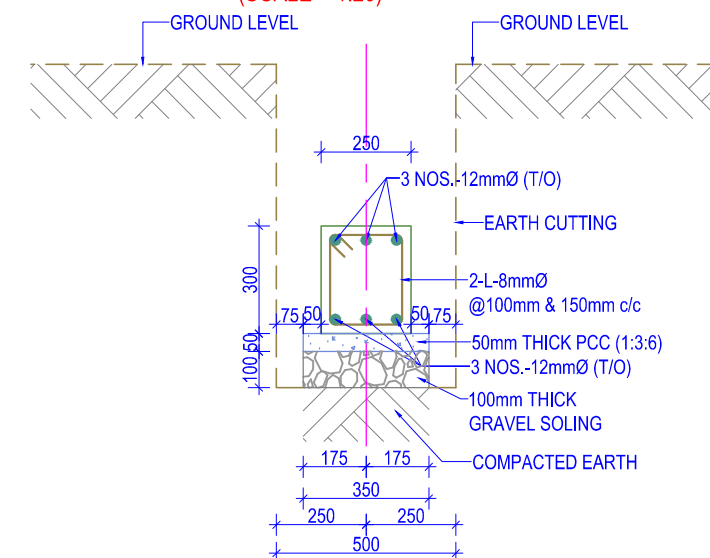
COLUMN FOOTING SECTION -F2

(Scale= 1:25)



PLINTH BEAM TIE SECTION DETAIL AT -2

(SCALE = 1:20)



FOUNDATION BEAM TIE SECTION DETAIL AT -2

(SCALE = 1:20)



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.



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor :
Japan International
Cooperation Agency

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development



Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

Sheet Title :
FOOTING PLAN & SECTION,
TIE BEAM DETAILS

Sheet No.

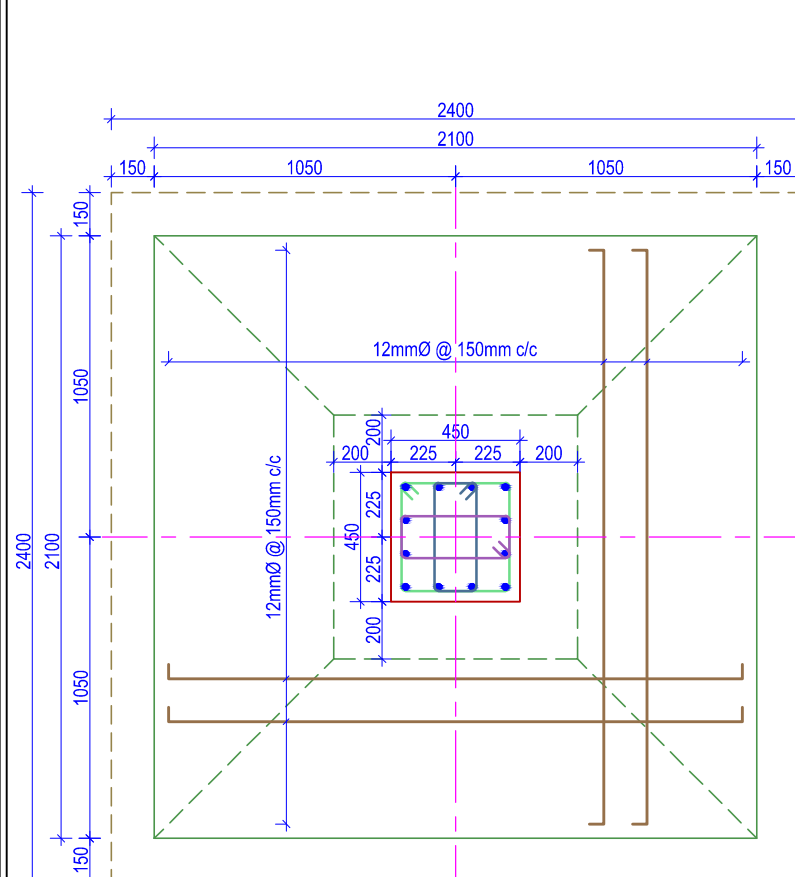
2-AC

Date : September, 2016

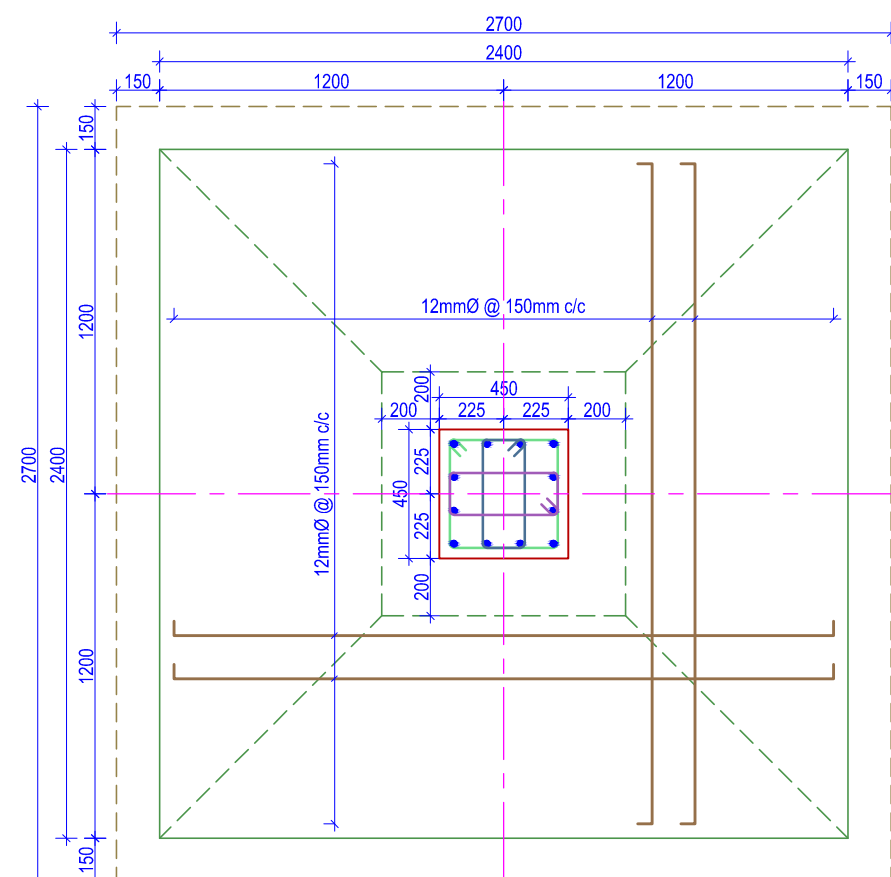
Print Sheet : A'3' Size

S-02

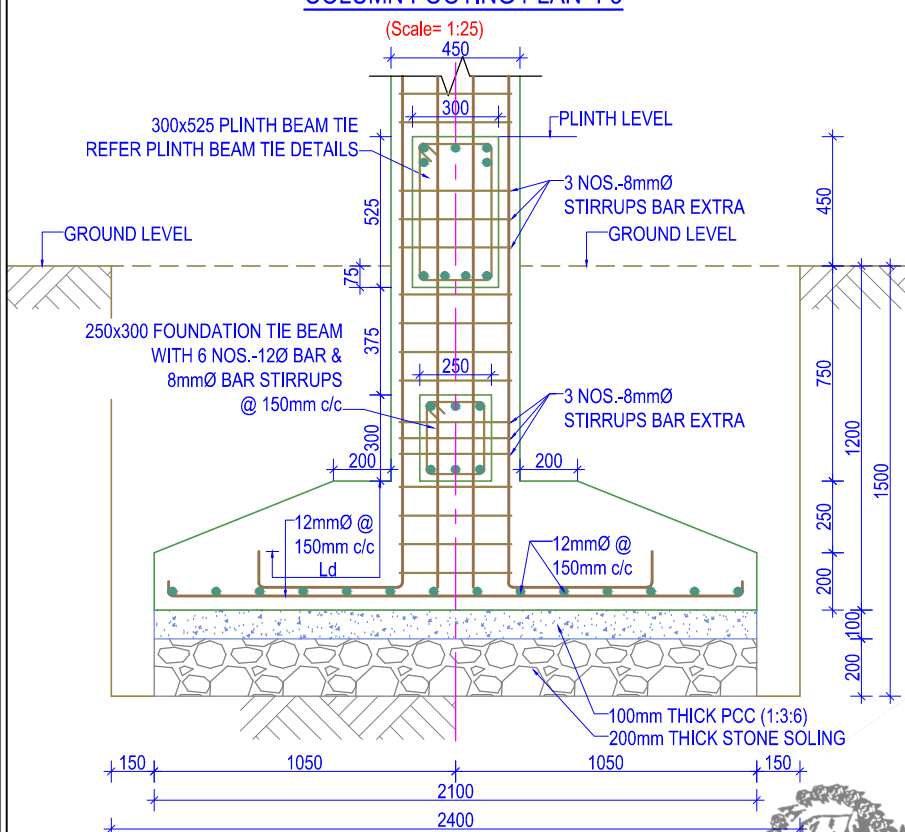
Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu



COLUMN FOOTING PLAN -F3

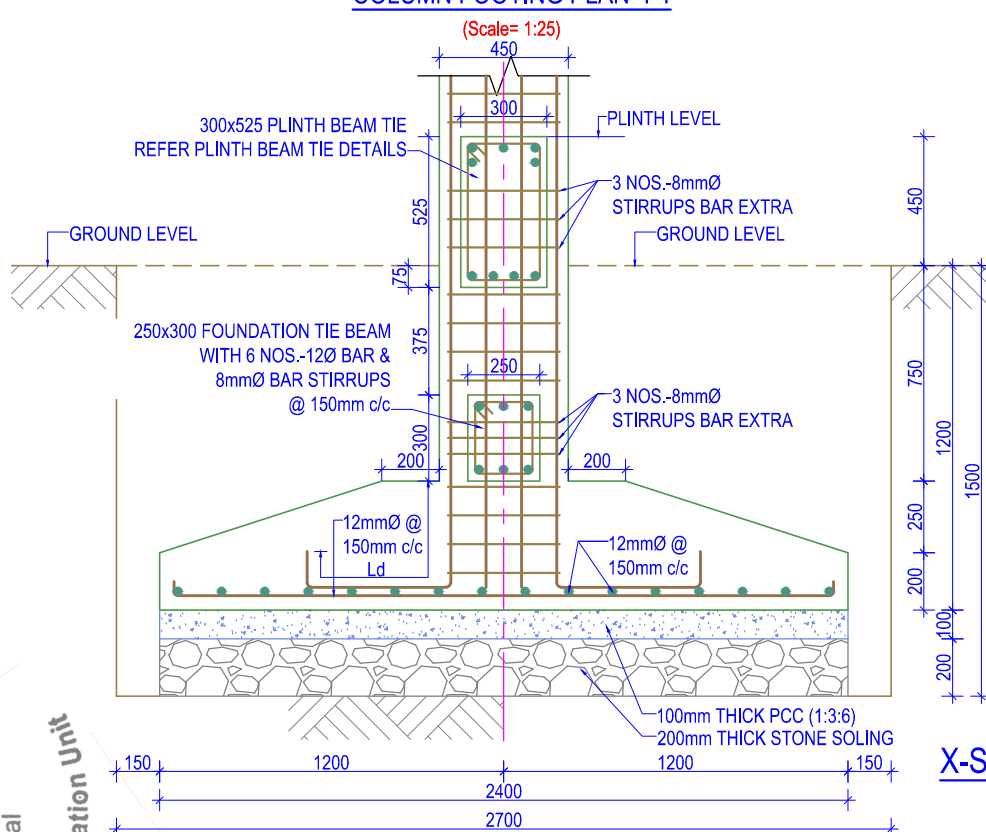


COLUMN FOOTING PLAN -F4



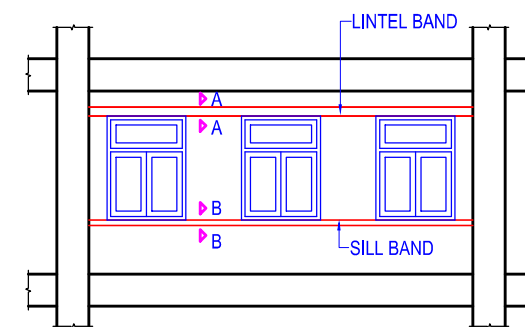
COLUMN FOOTING SECTION -F3

(Scale= 1:25)



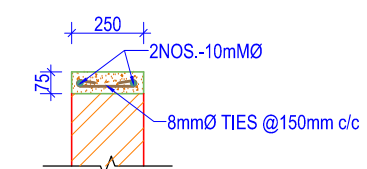
COLUMN FOOTING SECTION -F4

(Scale= 1:25)



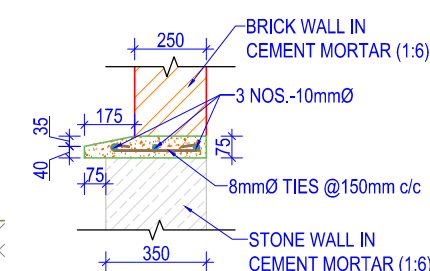
ELEVATION OF WALL WITH LINTEL & SILL BAND

(Scale= NTS)



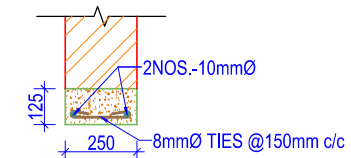
X-SECTION OF SILL BAND AT B-B

(Scale= 1:25)



X-SECTION OF SILL BAND (STONE MASONRY)

(Scale= 1:25)



X-SECTION OF LINTEL BAND AT A-A

(Scale= 1:25)

- 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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International Cooperation Agency**

Project Title:
Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

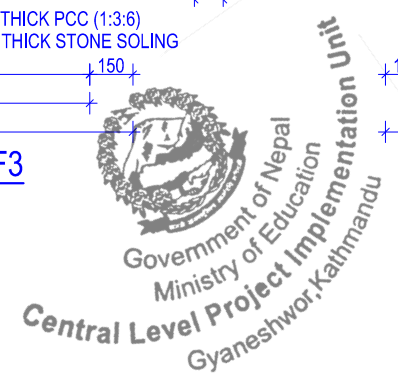
Sub-Consultant:
EWES East West Engineering Service Pvt. Ltd.
P. Box-8621, Bansbari, Kathmandu, Nepal. web: ewesnepal.com
Tel: 9771-4373316, Fax: 4650203, email: hbgewe@gmail.com

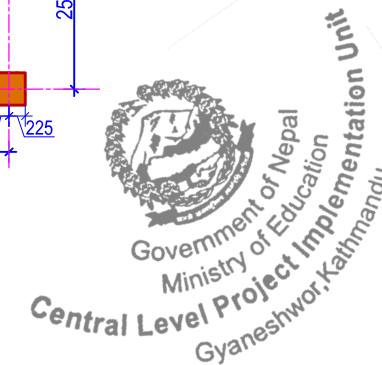
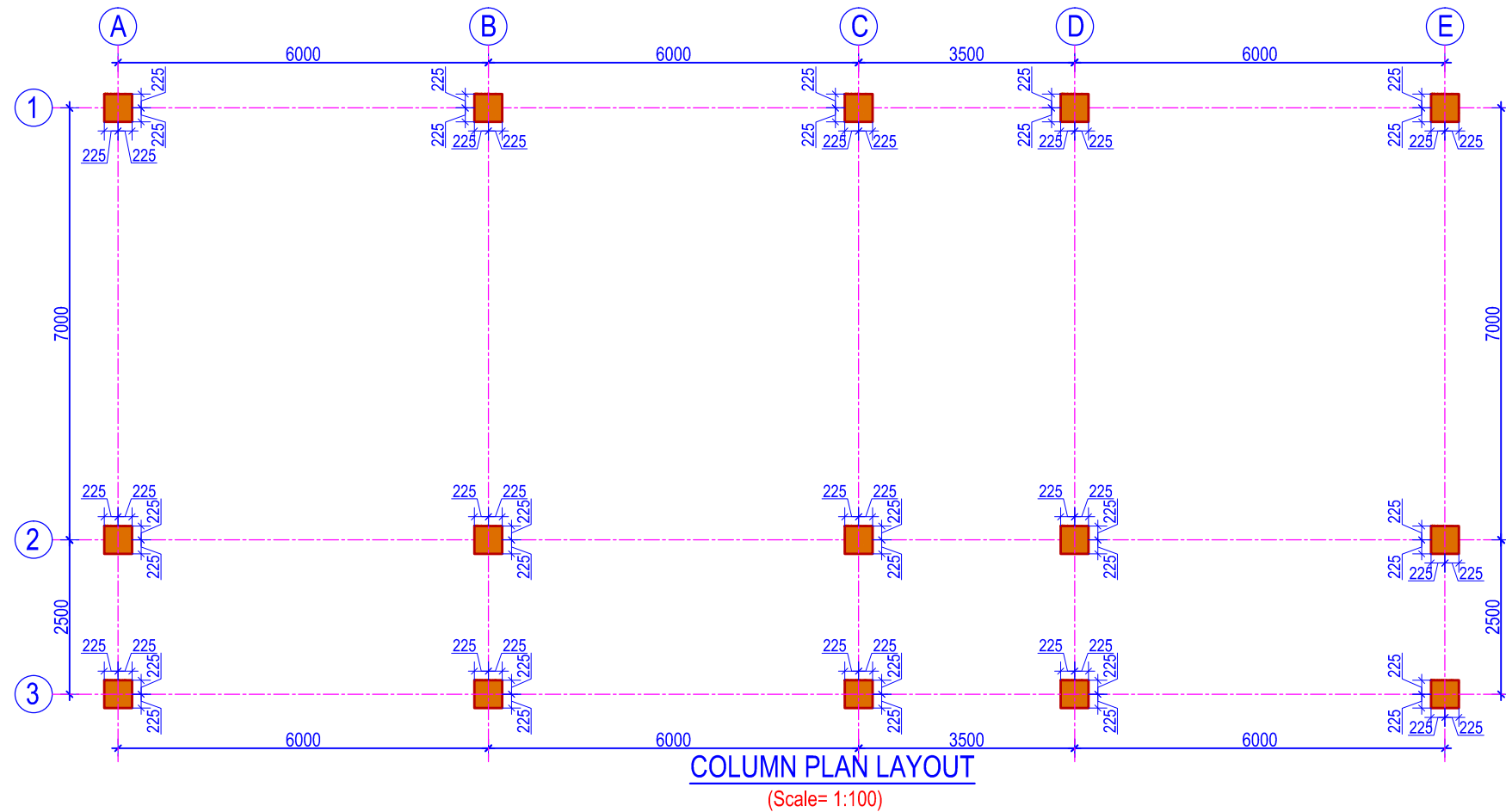
Mr. Tomoki Miyano	Mr. H.B. Gurung
Mr. Hisafumi Michikawa	Mr. A.S. Tamang
Mr. Wong Kuok Hung	Mr. S. Malla

Type Design :
2 STOREY ADMINISTRATION WITH COMPUTER ROOM

Sheet Title : FOOTING PLAN & SECTION, SILL & LINTEL DETAILS	Sheet No. 2-AC
---	--------------------------

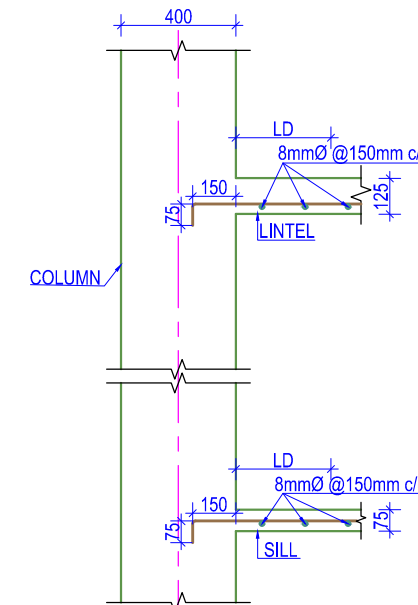
Date : September, 2016	S-03
Print Sheet : A'3' Size	





COLUMN REINFORCEMENT DETAILS AT GRID -1

S. NO.	FLOOR	GRID -A	GRID -B	GRID -C	GRID -D	GRID -E	STIRRUPS
		COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	
1	FIRST FLOOR	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 6 NOS. -20mmØ + 6 NOS. -16mmØ	 6 NOS. -20mmØ + 6 NOS. -16mmØ	 12 NOS. -16mmØ	 10Ø@100mmc/c & 150mmc/c
2	GROUND FLOOR	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 12 NOS. -20mmØ	 12 NOS. -20mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 10Ø@100mmc/c & 150mmc/c



COLUMN & LINTEL JOINT DETAIL



NOTES:

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



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title :
**COLUMN LAYOUT PLAN &
DETAILS, COLUMN/LINTEL
JOINT DETAIL.**

Sheet No.

2-AC

Date : September, 2016

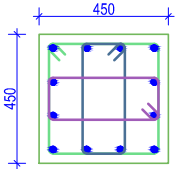
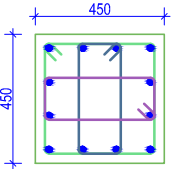
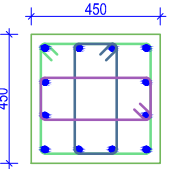
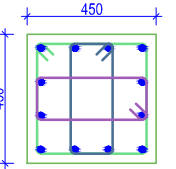
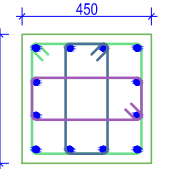
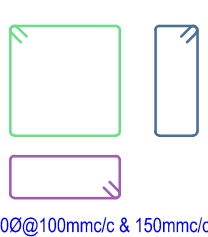
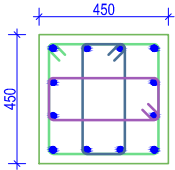
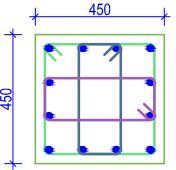
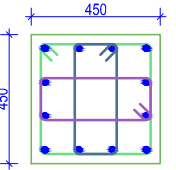
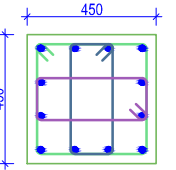
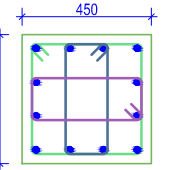
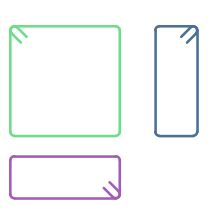
Print Sheet : A'3' Size

S-04

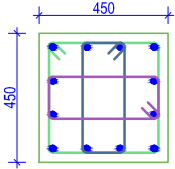
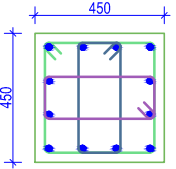
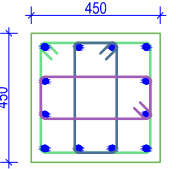
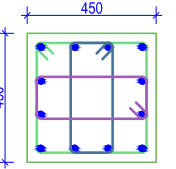
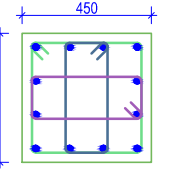
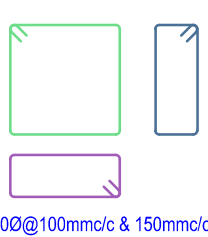
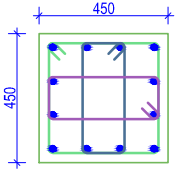
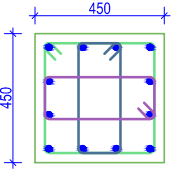
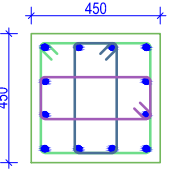
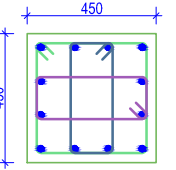
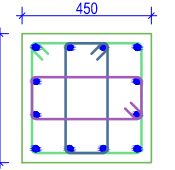
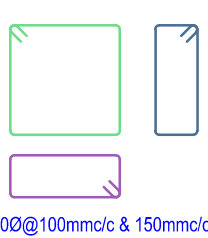


Government of Nepal
Ministry of Education
Central Level Project Implementation
Gyaneshwor, Kathmandu

COLUMN REINFORCEMENT DETAILS AT GRID -2

S. NO.	FLOOR	GRID -A	GRID -B	GRID -C	GRID -D	GRID -E	STIRRUPS
		COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	
1	FIRST FLOOR	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 100@100mm/c & 150mm/c
2	GROUND FLOOR	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 4 NOS. -20mmØ + 8 NOS. -16mmØ	 100@100mm/c & 150mm/c

COLUMN REINFORCEMENT DETAILS AT GRID -3

S. NO.	FLOOR	GRID -A	GRID -B	GRID -C	GRID -D	GRID -E	STIRRUPS
		COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	COLUMN SIZE (450 x 450)	
1	FIRST FLOOR	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 100@100mm/c & 150mm/c
2	GROUND FLOOR	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 12 NOS. -16mmØ	 100@100mm/c & 150mm/c

NOTES:

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



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title :
COLUMN DETAILS

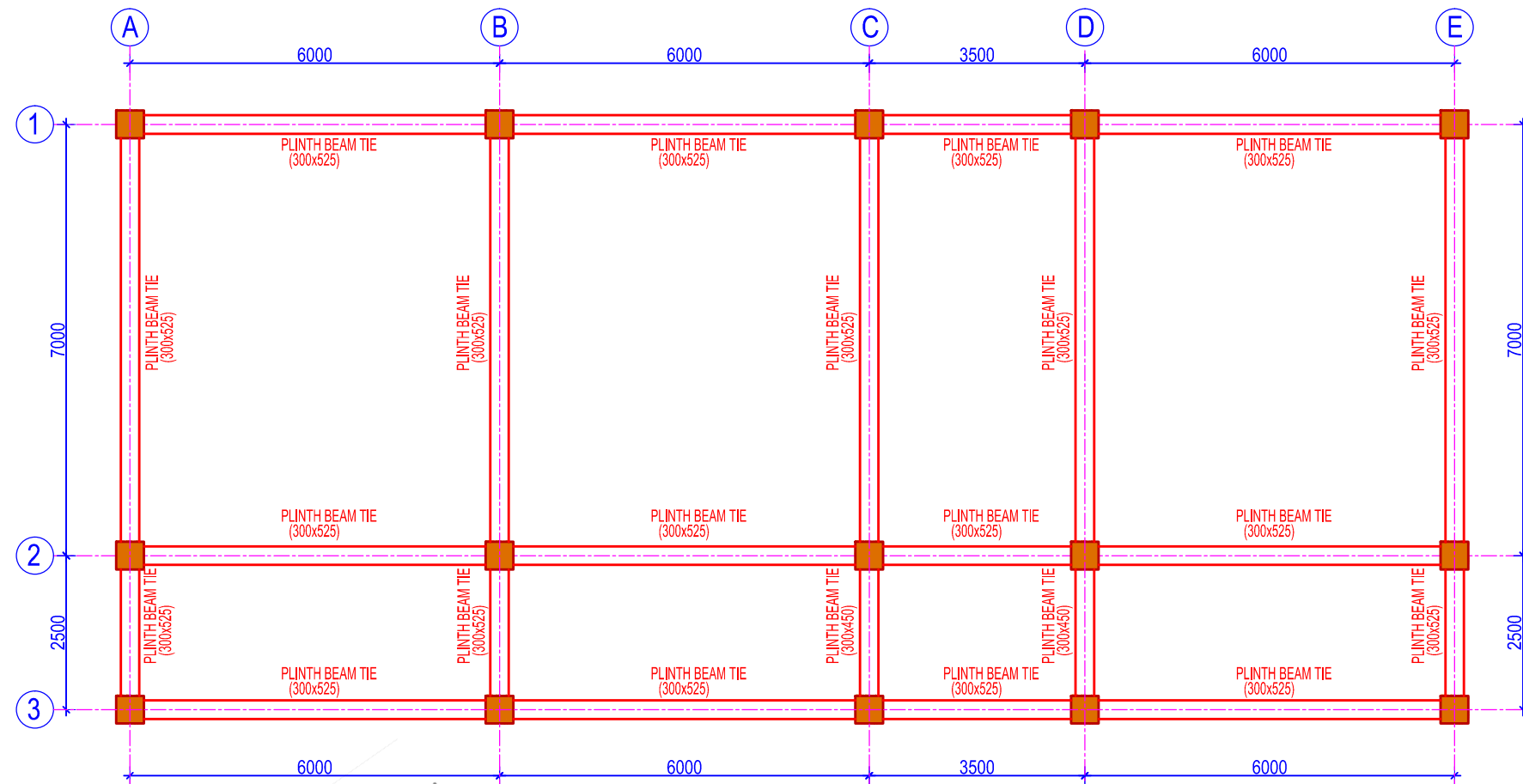
Sheet No.
2-AC

Date : September, 2016

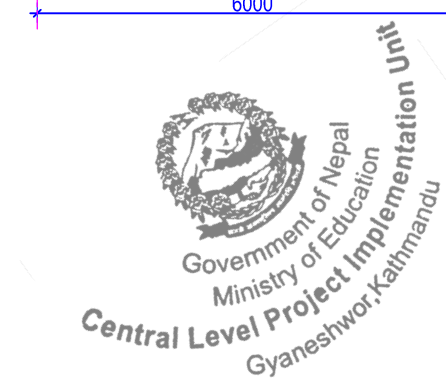
Print Sheet : A'3' Size

S-05

0 250MM 500MM 750MM 1M 1.25M
1:25



PLINTH BEAM TIE PLAN AT PLINTH LEVEL
(Scale= 1:100)



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.



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development



Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

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

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

Type Design :

**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title :
PLINTH BEAM TIE PLAN

Sheet No.

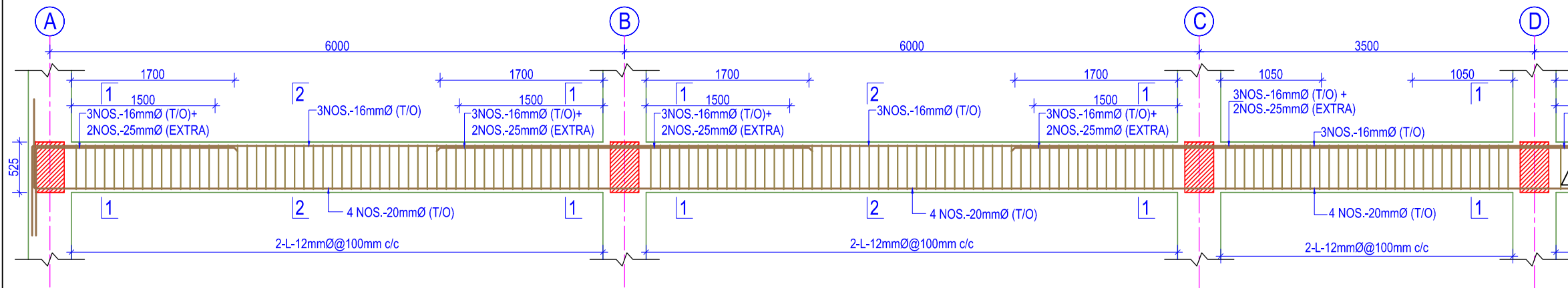
2-AC

Date : September, 2016

Print Sheet : A'3' Size

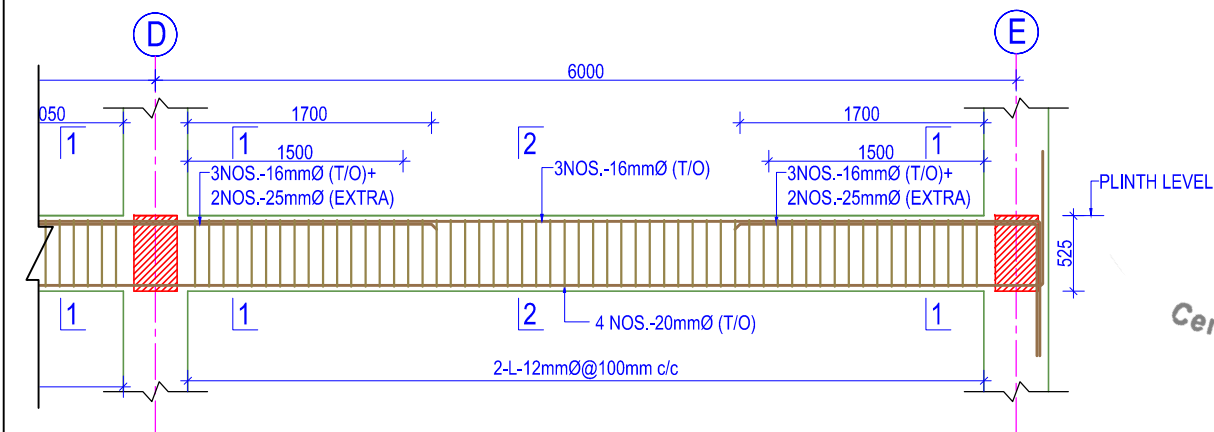
S-06

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



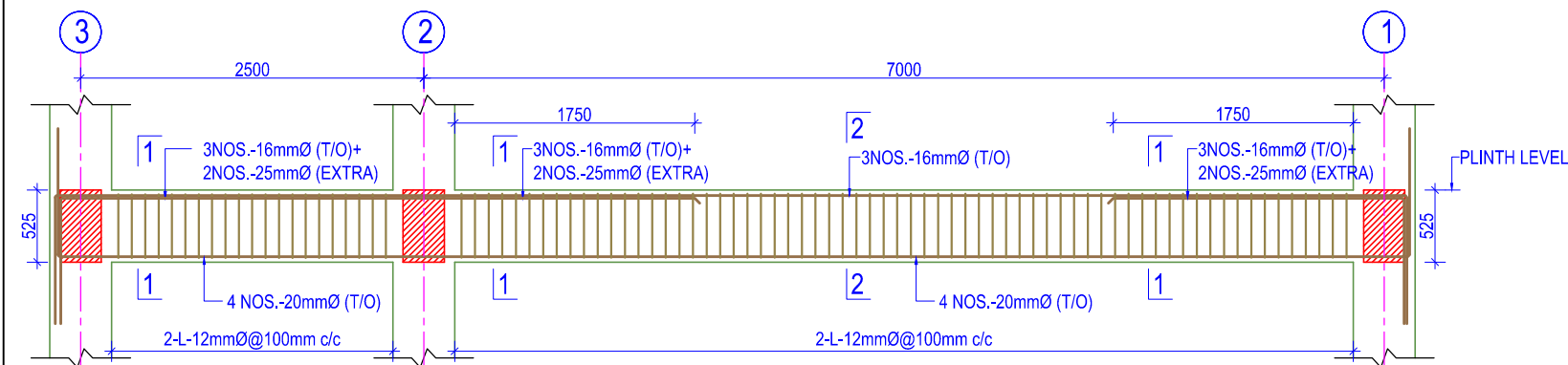
PLINTH BEAM TIE DETAIL ALONG GRID AT - 1, 2 & 3

(SCALE = 1:50)



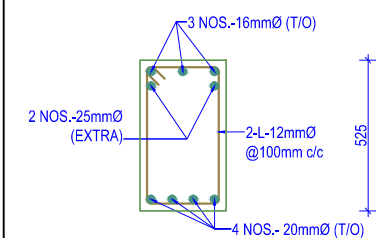
PLINTH BEAM TIE DETAIL ALONG GRID AT - 1, 2 & 3

(SCALE = 1:50)



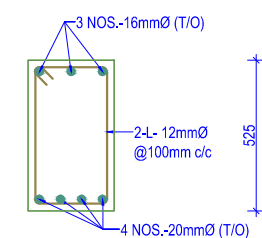
PLINTH BEAM TIE DETAIL ALONG GRID AT - A, B, C, D & E

(SCALE = 1:50)



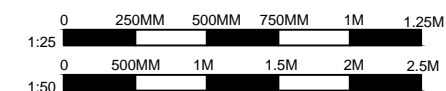
SECTION -1-1

(SCALE = 1:25)



SECTION -2-2

(SCALE = 1:25)



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.



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor :
**Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title :
PLINTH BEAM TIE DETAILS

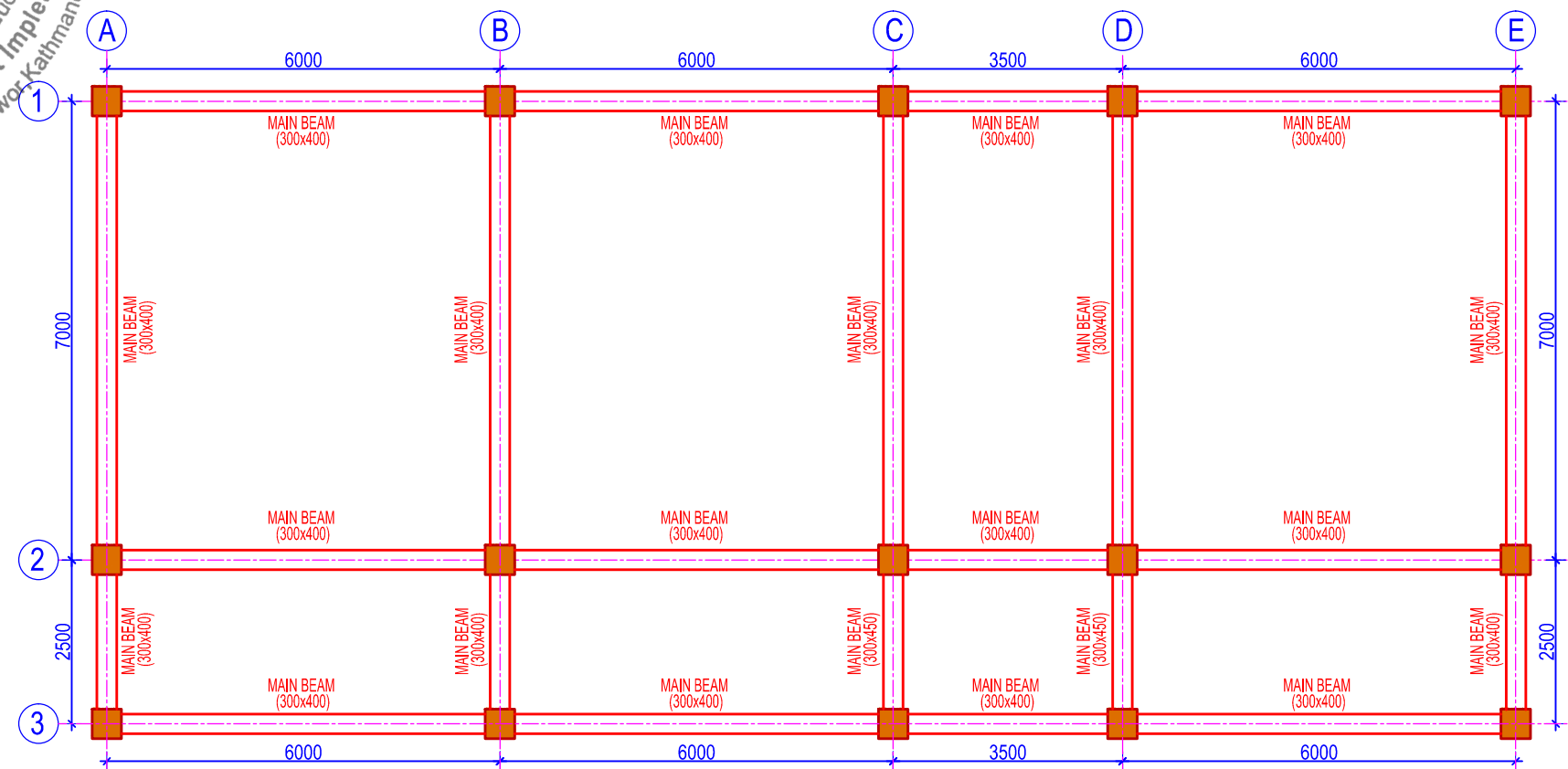
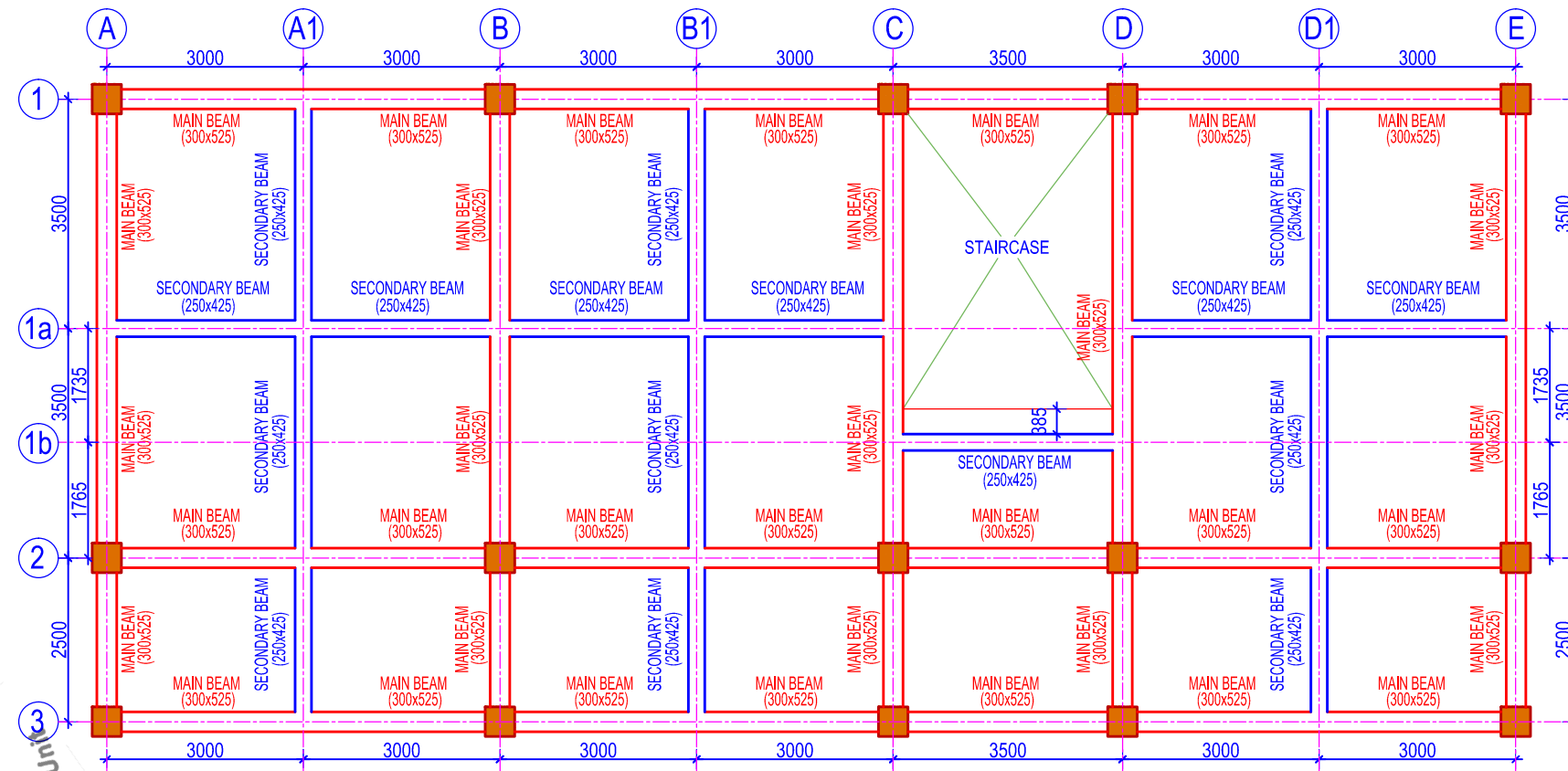
Sheet No.

2-AC

Date : September, 2016

Print Sheet : A'3' Size

S-07



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.



Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development



Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

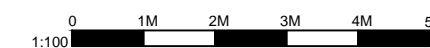
**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

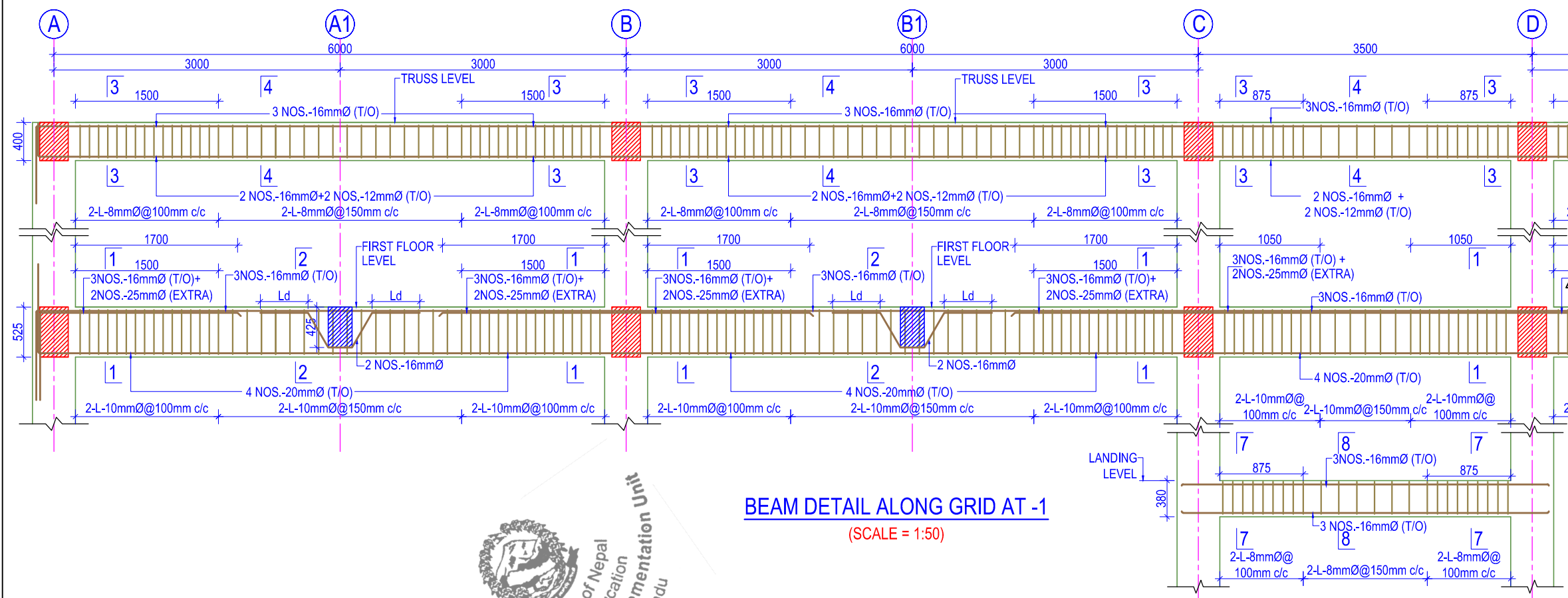
Sheet Title : BEAM PLAN (FIRST FLOOR & TRUSS LEVEL)	Sheet No. 2-AC
---	--------------------------

Date : September, 2016

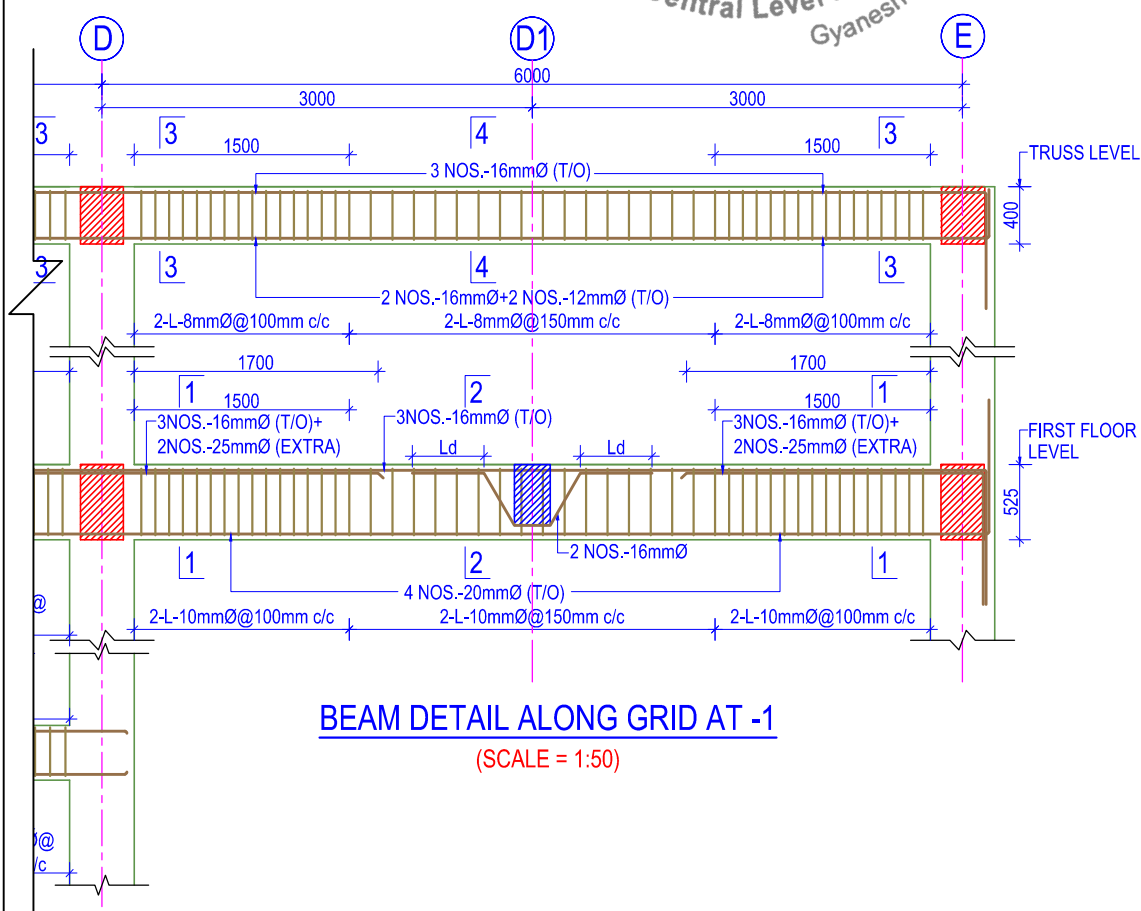
Print Sheet : A'3' Size

S-08

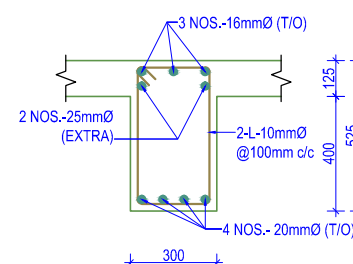




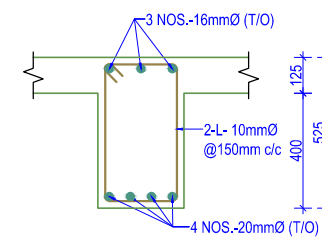
BEAM DETAIL ALONG GRID AT -1
(SCALE = 1:50)



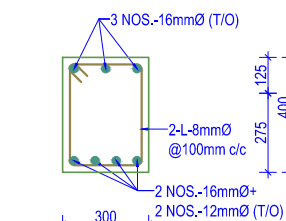
BEAM DETAIL ALONG GRID AT -1
(SCALE = 1:50)



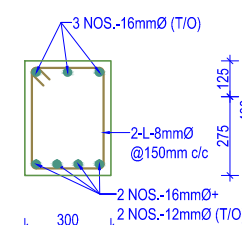
SECTION -1-1
(SCALE = 1:25)



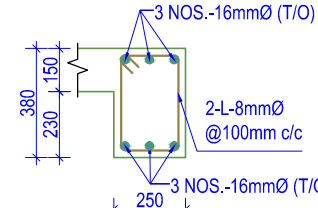
SECTION -2-2
(SCALE = 1:25)



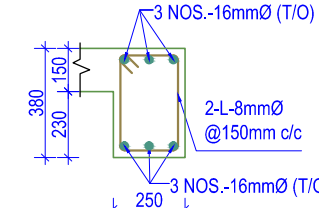
SECTION -3-3
(SCALE = 1:25)



SECTION -4-4
(SCALE = 1:25)



SECTION -7-7
(Scale = 1:25)



SECTION -8-8
(Scale = 1:25)



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.



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor : **Japan International Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

2 STOREY ADMINISTRATION WITH COMPUTER ROOM

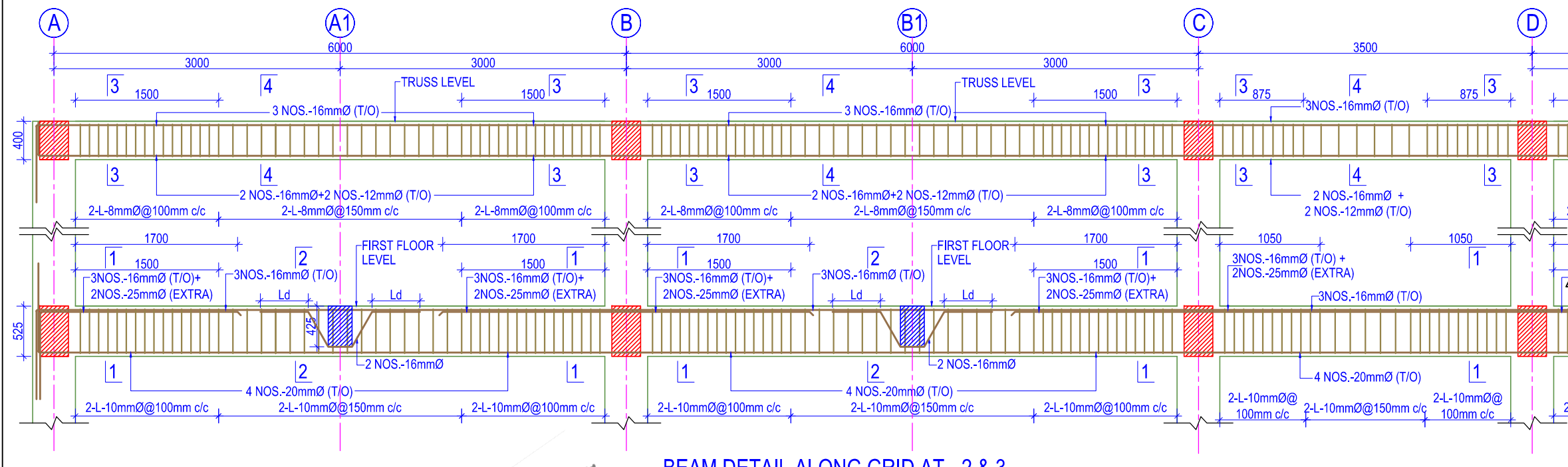
Sheet Title :
BEAM DETAILS

Sheet No.
2-AC

Date : September, 2016

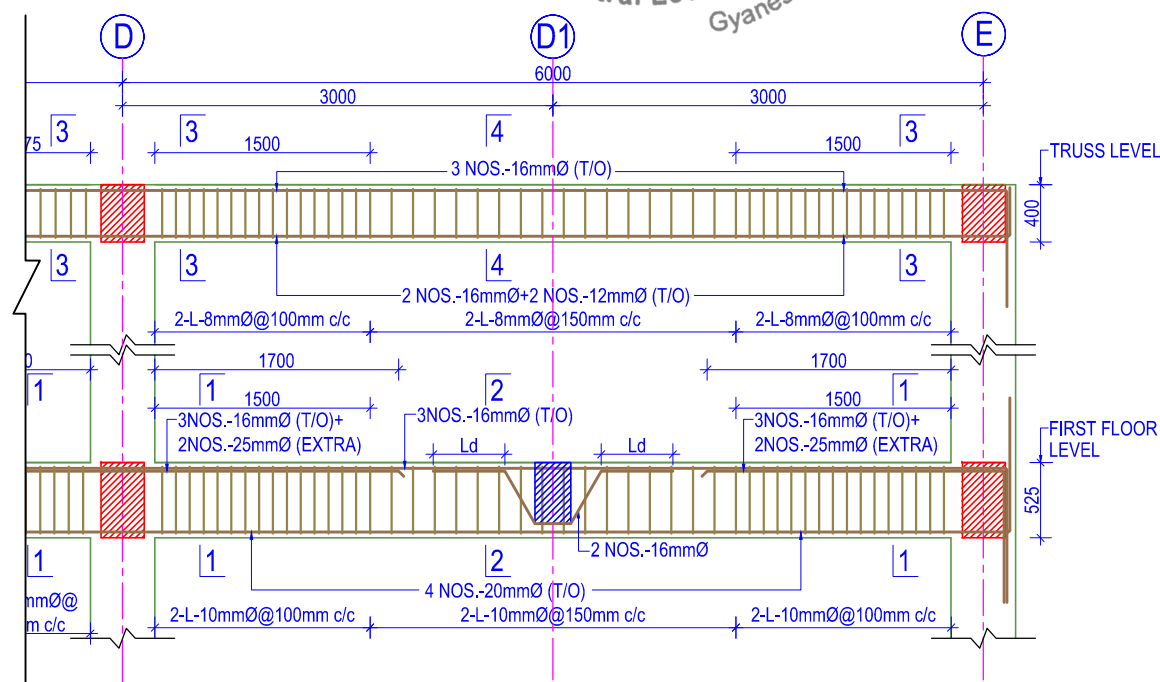
Print Sheet : A'3' Size

S-09



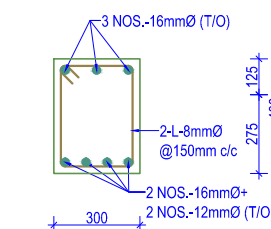
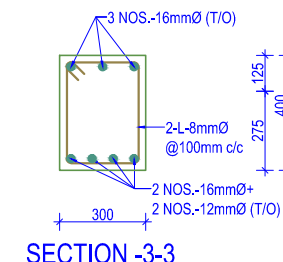
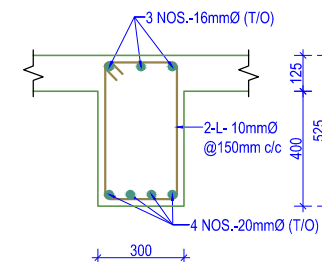
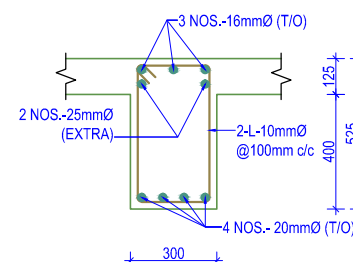
BEAM DETAIL ALONG GRID AT - 2 & 3

(SCALE = 1:50)



BEAM DETAIL ALONG GRID AT - 2 & 3

(SCALE = 1:50)



NOTES:

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



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor : **Japan International Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

2 STOREY ADMINISTRATION WITH COMPUTER ROOM

Sheet Title :
BEAM DETAILS

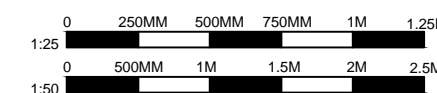
Sheet No.

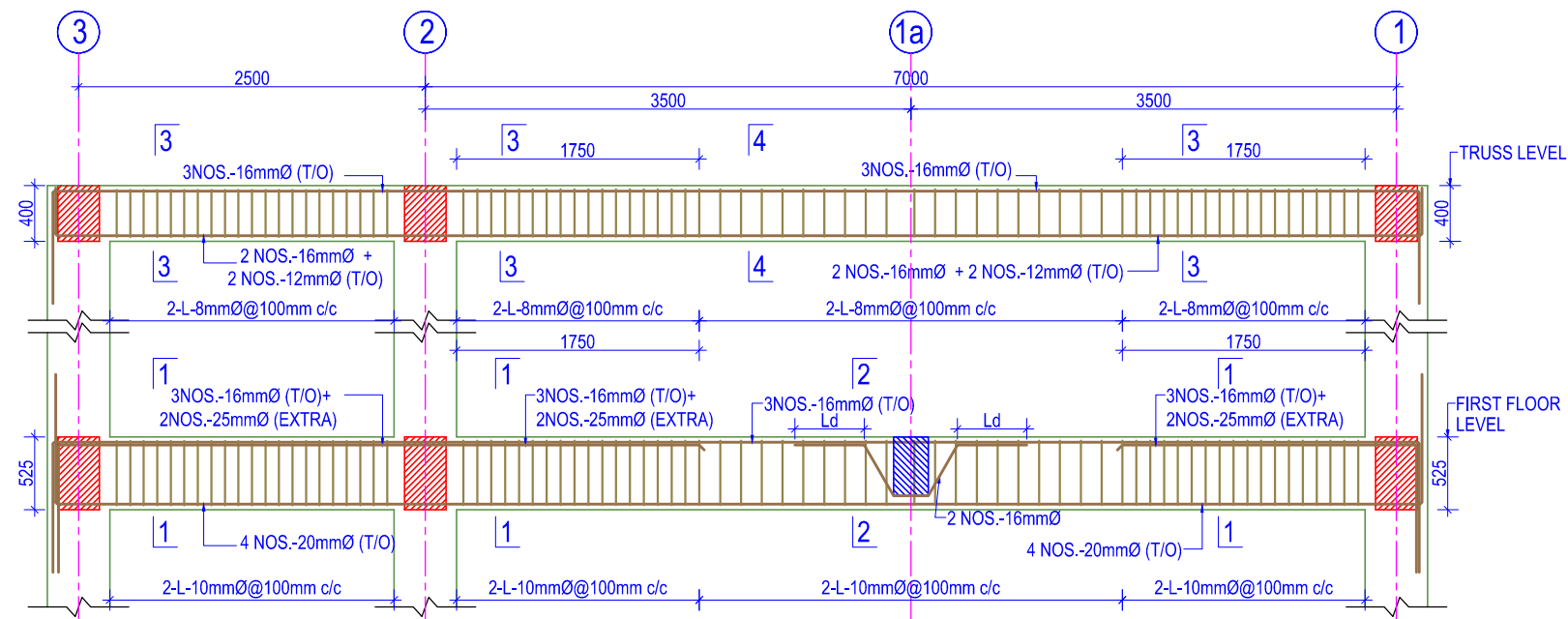
2-AC

Date : September, 2016

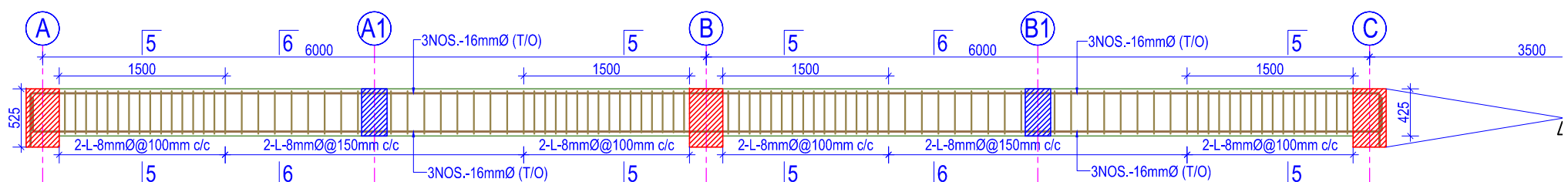
Print Sheet : A'3' Size

S-10

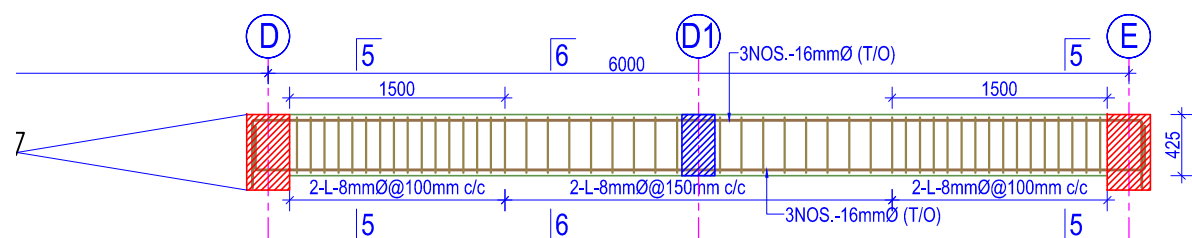




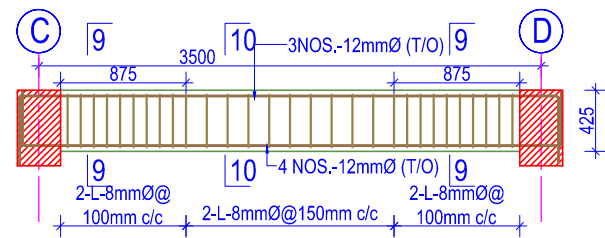
BEAM DETAIL ALONG GRID AT -A,B,C,D & E
(SCALE = 1:50)



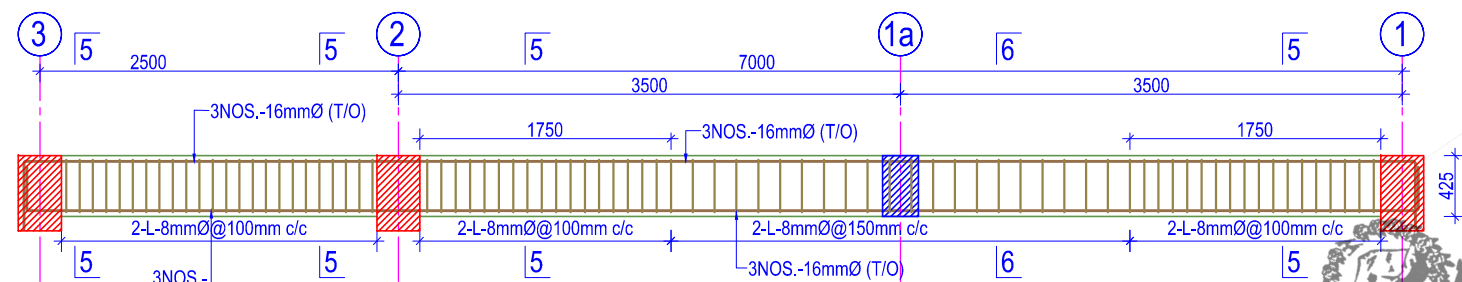
SECONDARY BEAM DETAIL ALONG GRID AT -1a
(SCALE = 1:50)



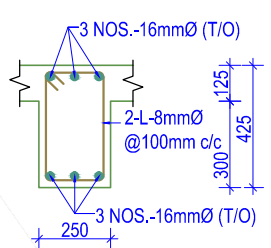
SECONDARY BEAM DETAIL ALONG GRID AT -1a
(SCALE = 1:50)



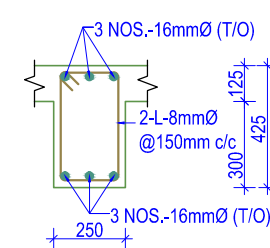
SECONDARY BEAM DETAIL ALONG GRID AT -1b
(SCALE = 1:50)



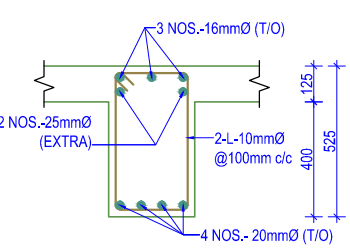
SECONDARY BEAM DETAIL ALONG GRID AT -A1, B1 & D1
(SCALE = 1:50)



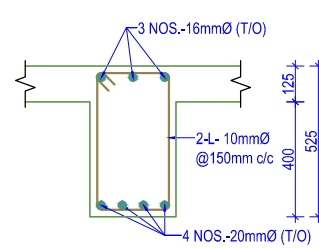
SECTION -5-5
(SCALE = 1:25)



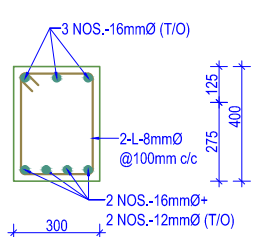
SECTION -6-6
(SCALE = 1:25)



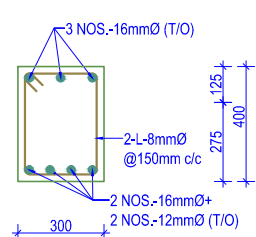
SECTION -1-1
(SCALE = 1:25)



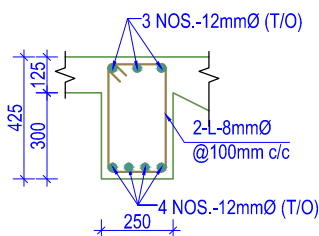
SECTION -2-2
(SCALE = 1:25)



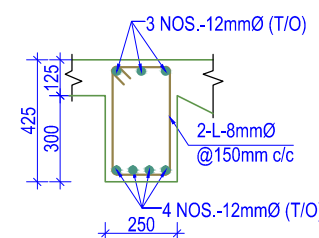
SECTION -3-3
(SCALE = 1:25)



SECTION -4-4
(SCALE = 1:25)



SECTION -9-9
(Scale= 1:25)



SECTION -10-10
(Scale= 1:25)

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.



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor : **Japan International Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

2 STOREY ADMINISTRATION WITH COMPUTER ROOM

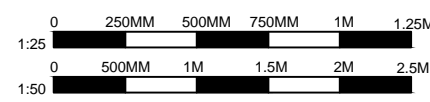
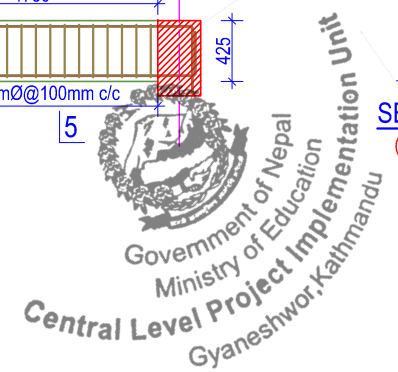
Sheet Title :
BEAM DETAILS

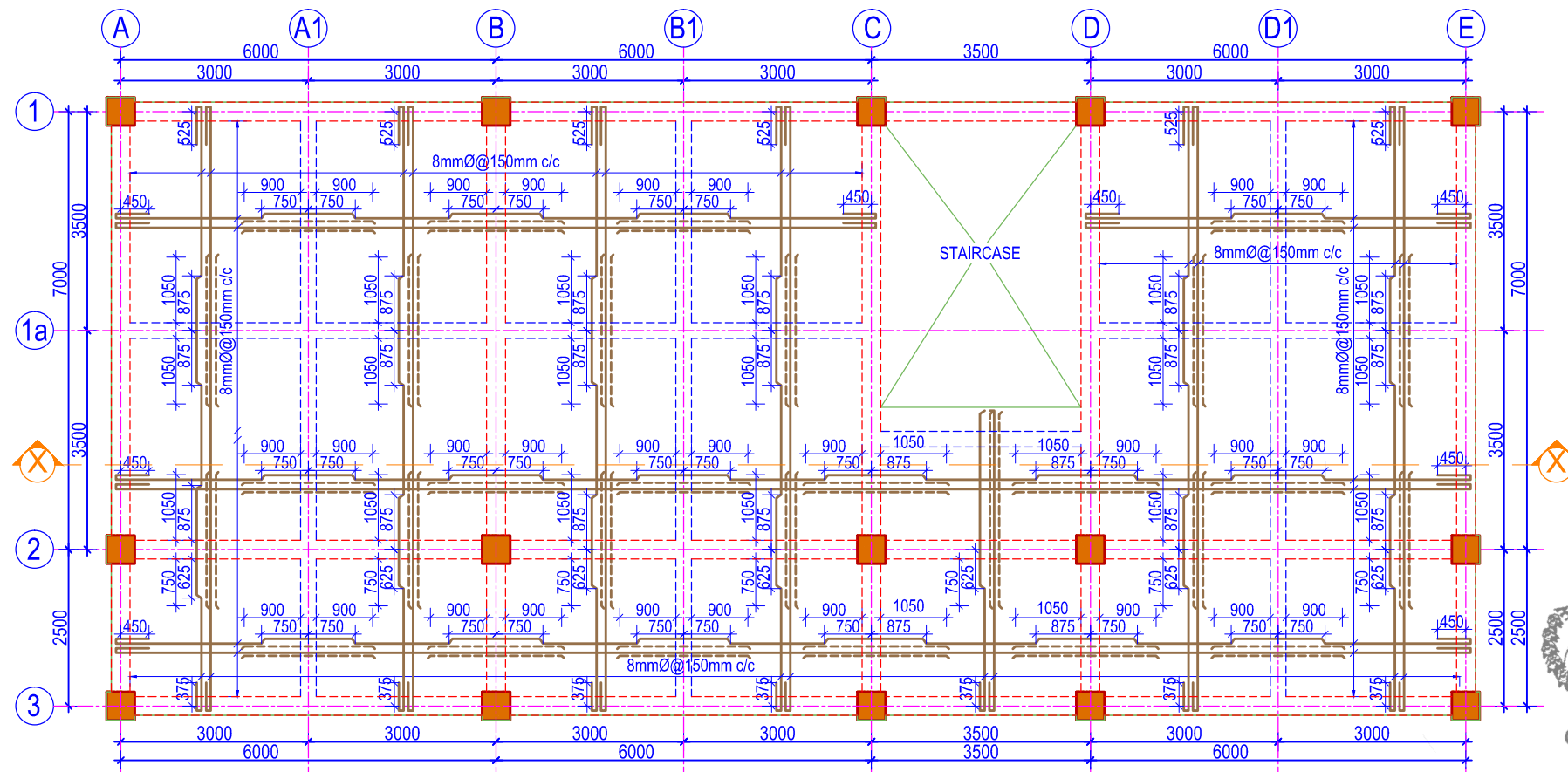
Sheet No.
2-AC

Date : September, 2016

Print Sheet : A'3' Size

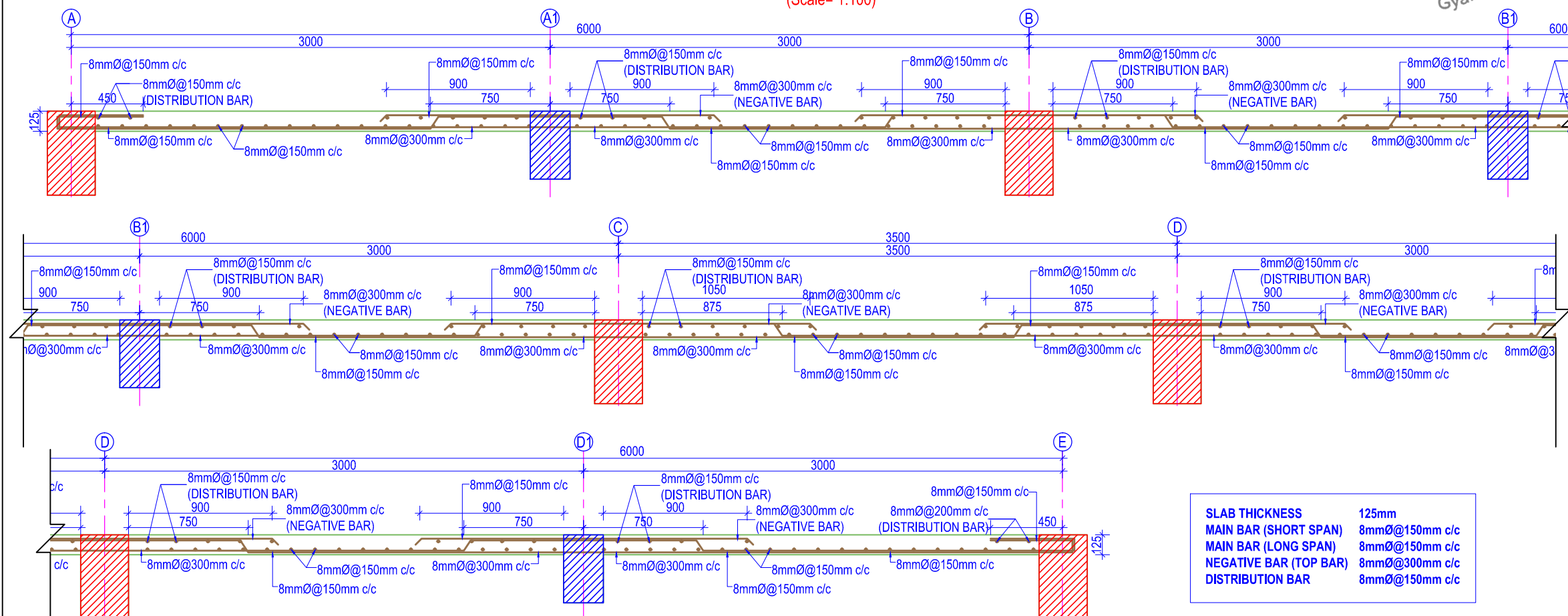
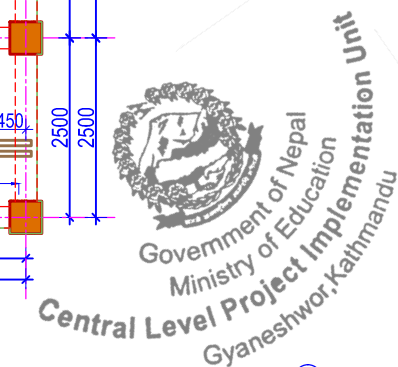
S-11





SLAB REINFORCEMENT PLAN

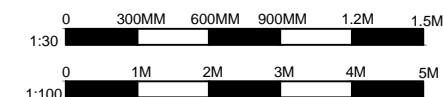
(Scale= 1:100)



SLAB SECTION -X-X

(SCALE = 1:30)

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



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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor :
Japan International
Cooperation Agency

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

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

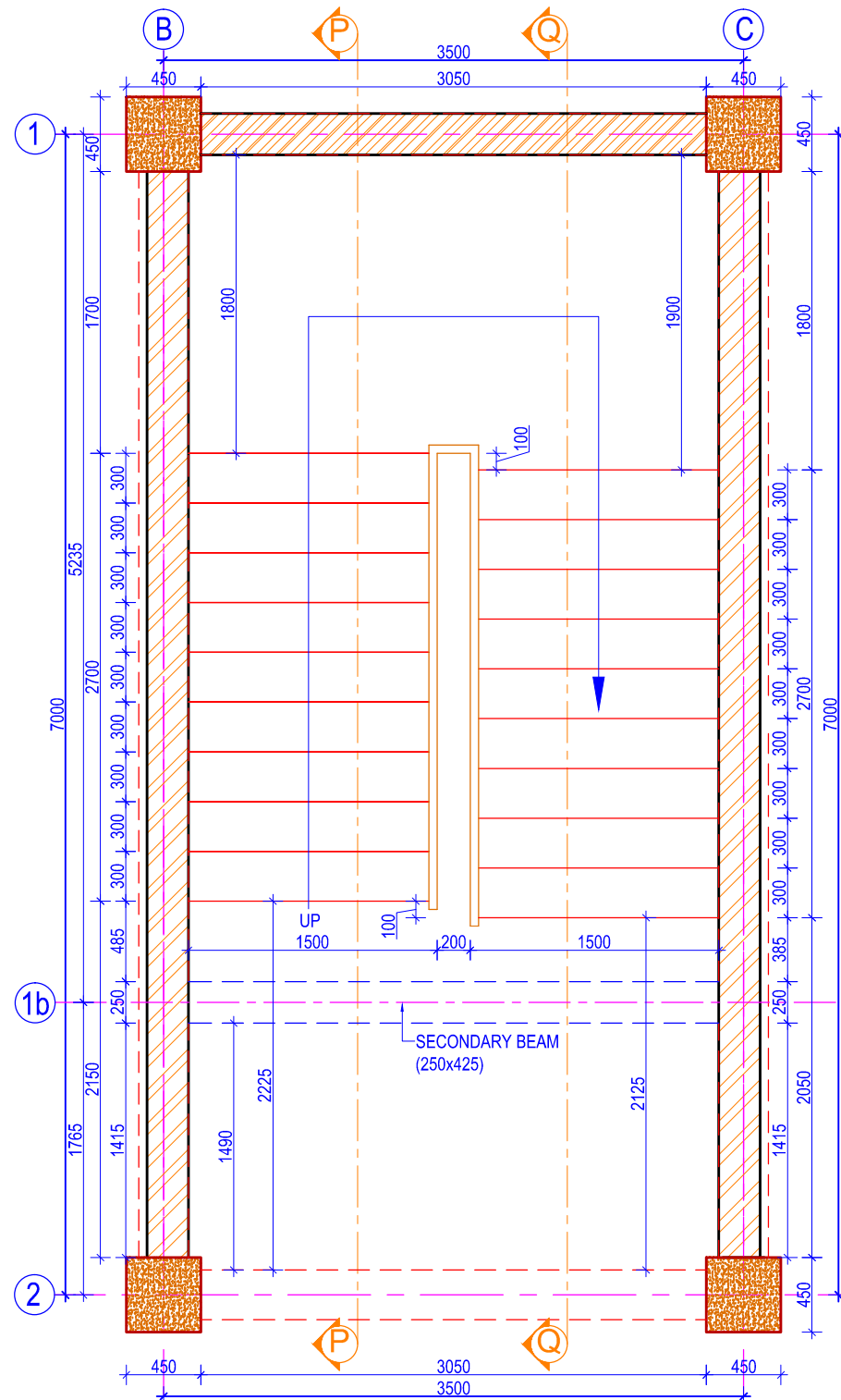
Sheet No.

2-AC

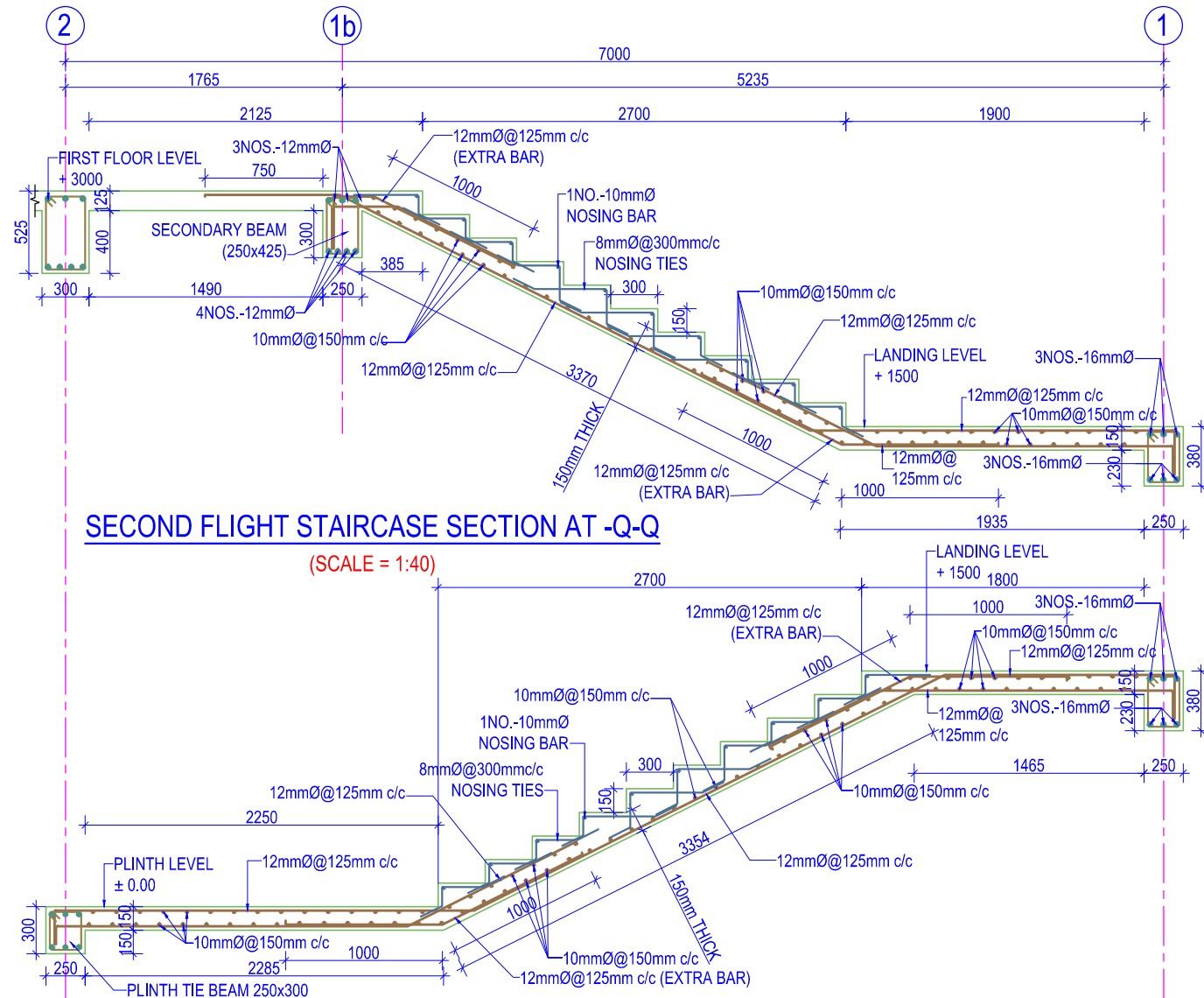
Date : September, 2016

Print Sheet : A'3' Size

S-12

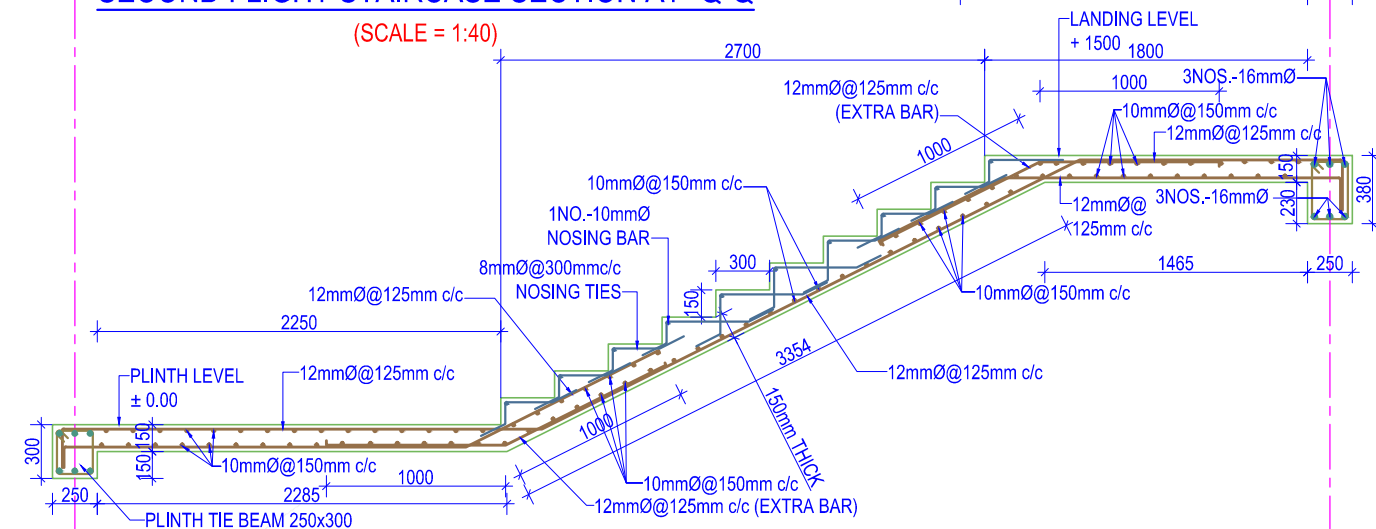


STAIRCASE DETAIL PLAN
(SCALE = 1:40)



SECOND FLIGHT STAIRCASE SECTION AT -Q-Q

(SCALE = 1:40)



FIRST FLIGHT STAIRCASE SECTION AT -P-P

(SCALE = 1:40)



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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development



Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title :
**STAIRCASE PLAN &
SECTION**

Sheet No.

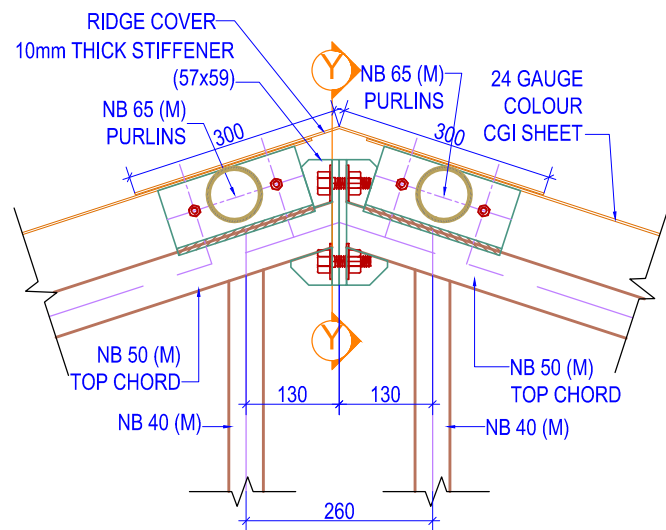
2-AC

Date : September, 2016

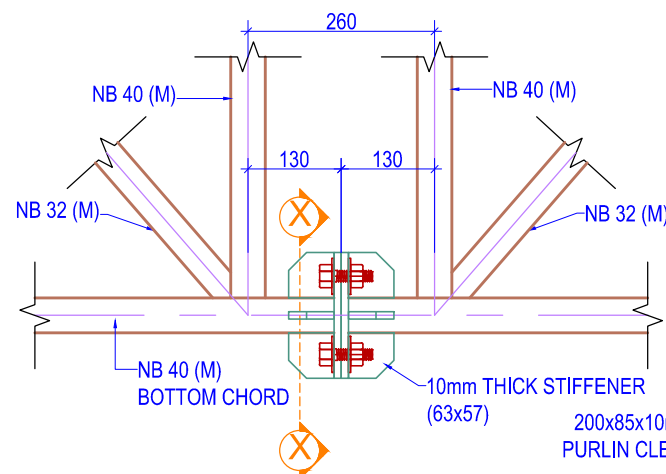
Print Sheet : A'3' Size

S-13

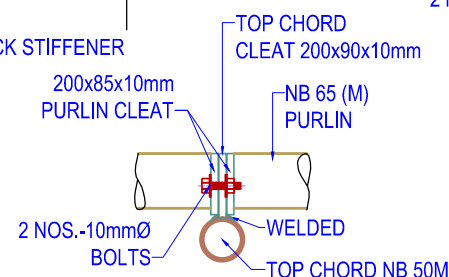




DETAIL AT -C
(Scale= 1:10)



DETAIL AT -B
(Scale= 1:10)



**PURLIN CLEAT
DETAIL SECTION -R-R**
(Scale= 1:10)

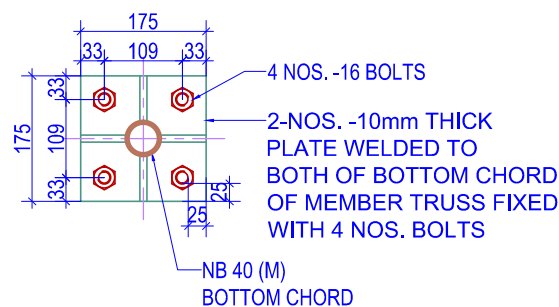


PLATE DETAIL AT -X-X
(Scale= 1:10)

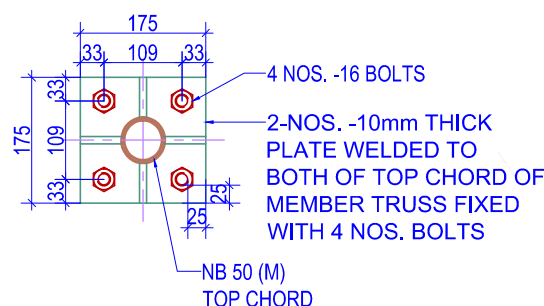
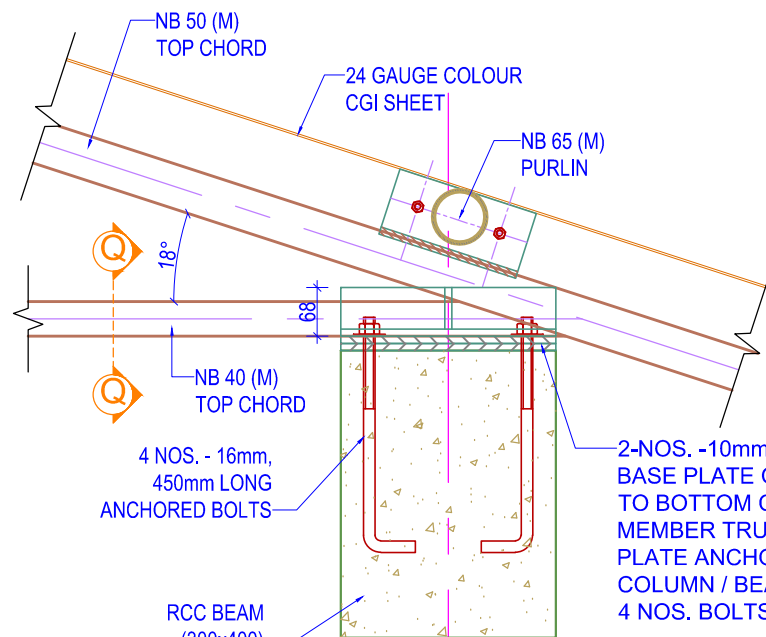
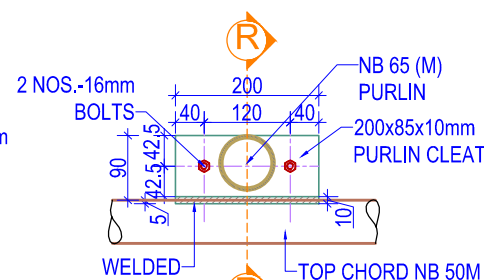


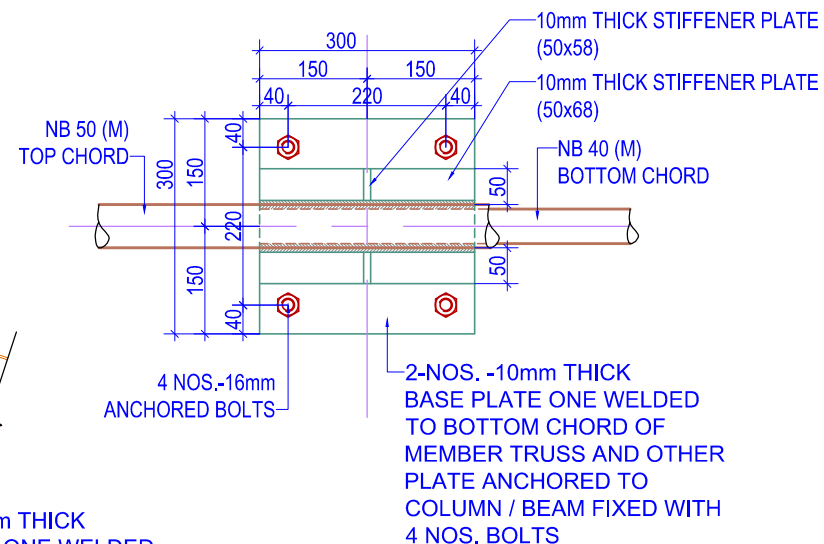
PLATE DETAIL AT -Y-Y
(Scale= 1:10)



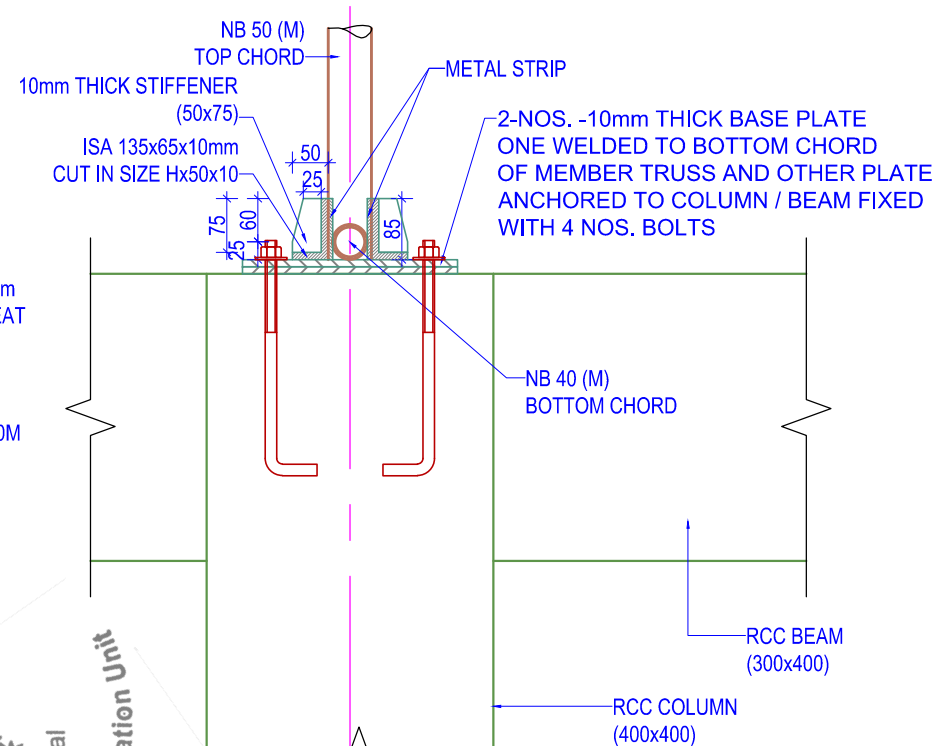
DETAIL AT -A
(Scale= 1:10)



PURLIN CLEAT DETAIL
(Scale= 1:10)



BASE PLATE PLAN AT -A
(Scale= 1:10)



SECTION AT -Q-Q
(Scale= 1:10)

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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :
**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title :
TRUSS DETAILS

Sheet No.
2-AC

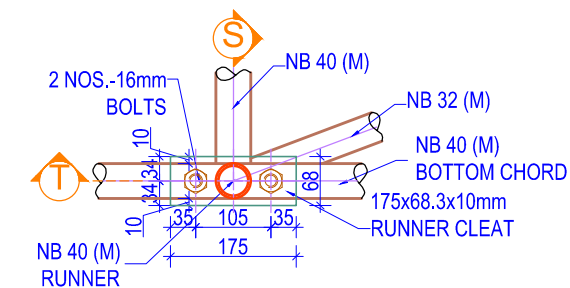
Date : September, 2016

Print Sheet : A'3' Size

S-15

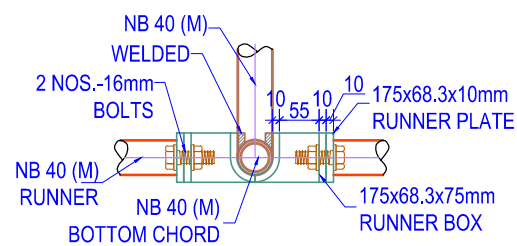
0 100MM 200MM 300MM 400MM 500MM
1:10

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu



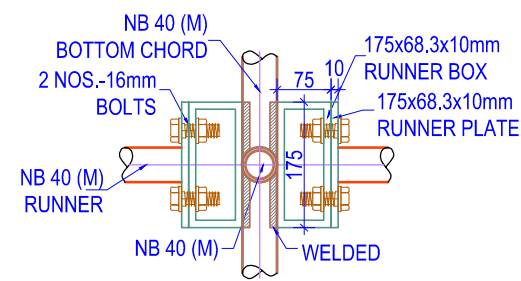
RUNNER PLATE & CONNECTION BOX DETAIL

(Scale= 1:10)



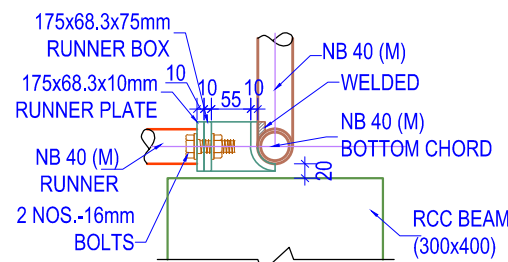
RUNNER PLATE & CONNECTION BOX DETAIL SECTION -S-S AT MID

(Scale= 1:10)



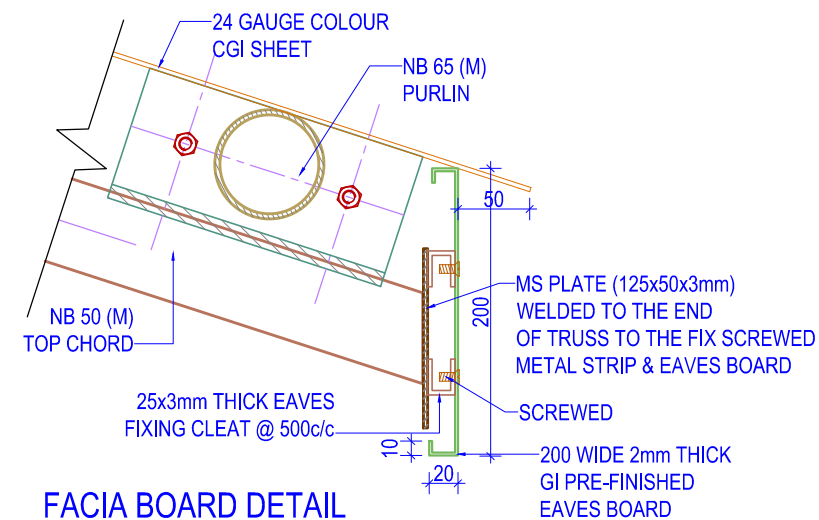
RUNNER PLATE & CONNECTION BOX DETAIL PLAN -T-T

(Scale= 1:10)



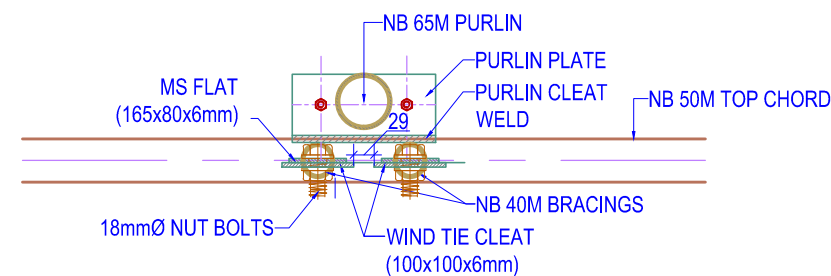
RUNNER PLATE & CONNECTION BOX DETAIL SECTION -S-S AT END

(Scale= 1:10)



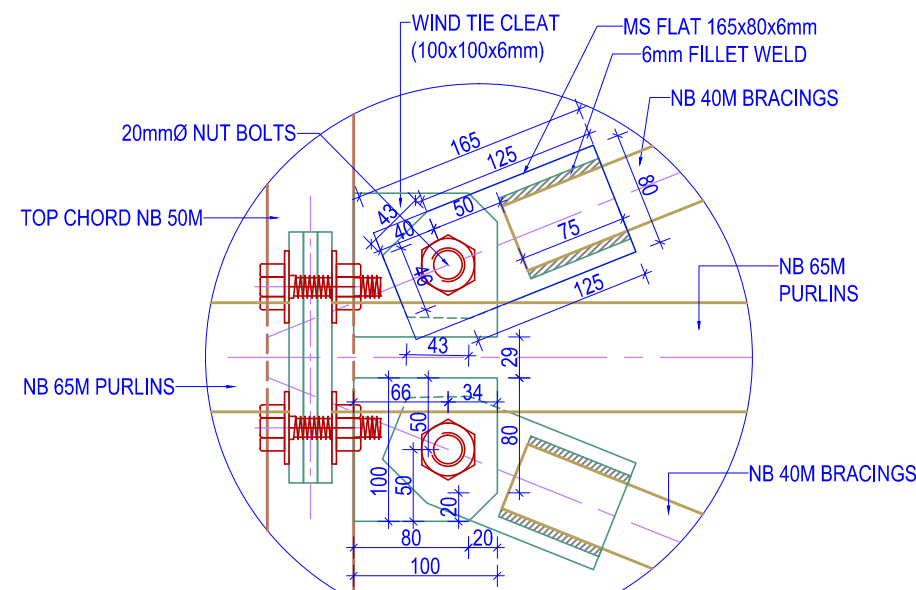
FACIA BOARD DETAIL

(Scale= 1:5)



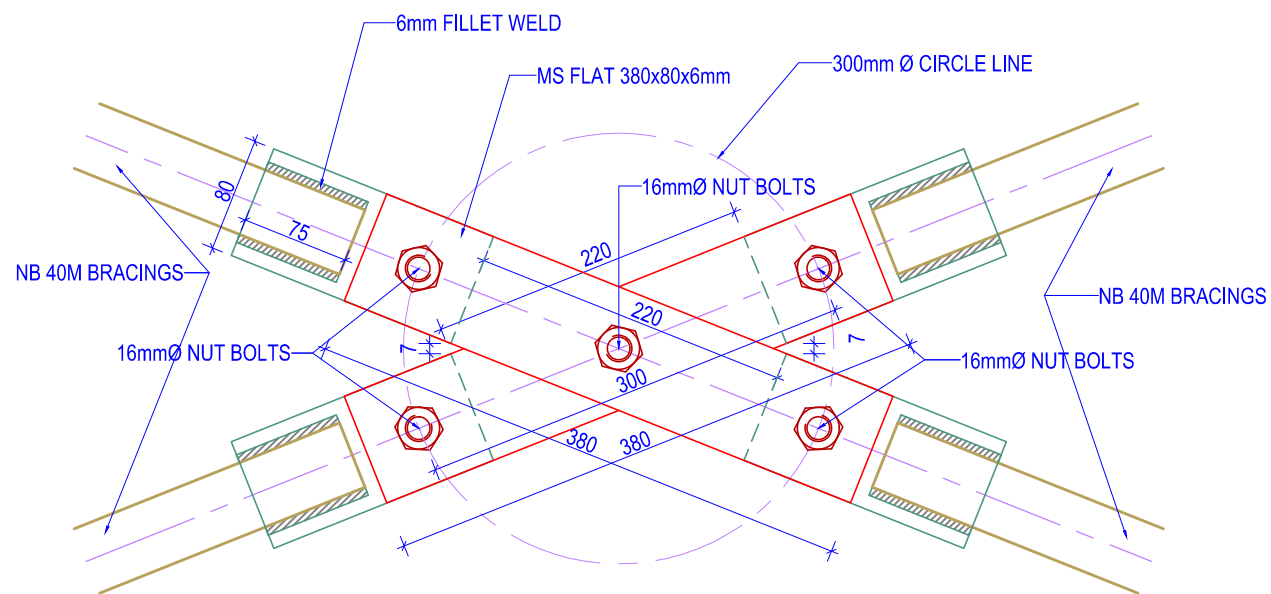
TRUSS CLEAT FOR WIND TIES SECTION DETAILS

(Scale= 1:10)



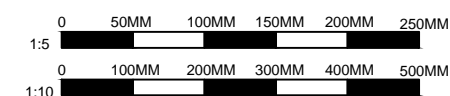
TRUSS CLEAT FOR WIND TIES DETAILS AT-W

(Scale= 1:5)



TRUSS CLEAT JUNCTION FOR WIND TIES DETAILS AT-W

(Scale= 1:5)



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.



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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. S. Malla

Type Design :

2 STOREY ADMINISTRATION WITH COMPUTER ROOM

Sheet Title :
TRUSS DETAILS

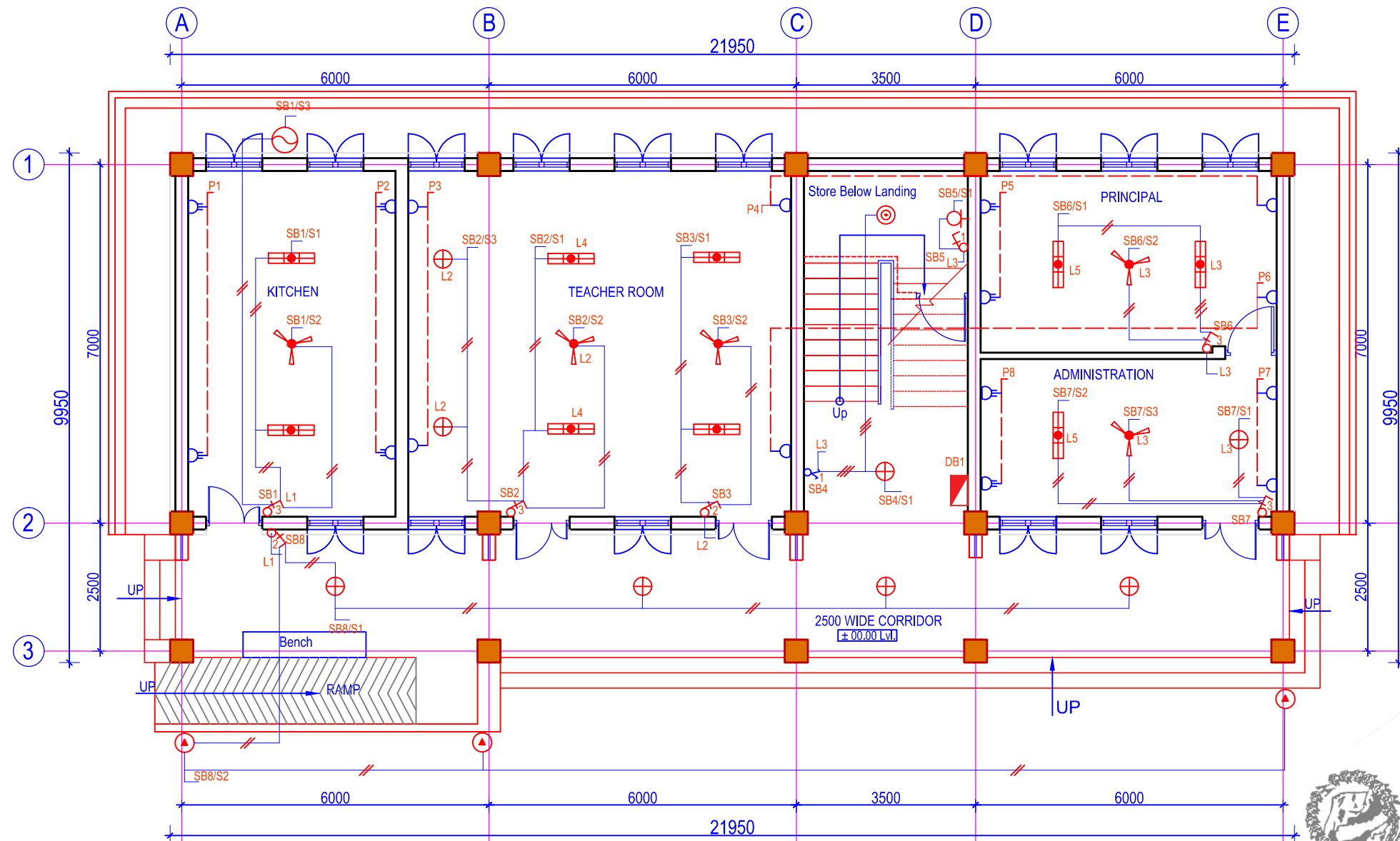
Sheet No.

2-AC

Date : September, 2016

Print Sheet : A'3' Size

S-16



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

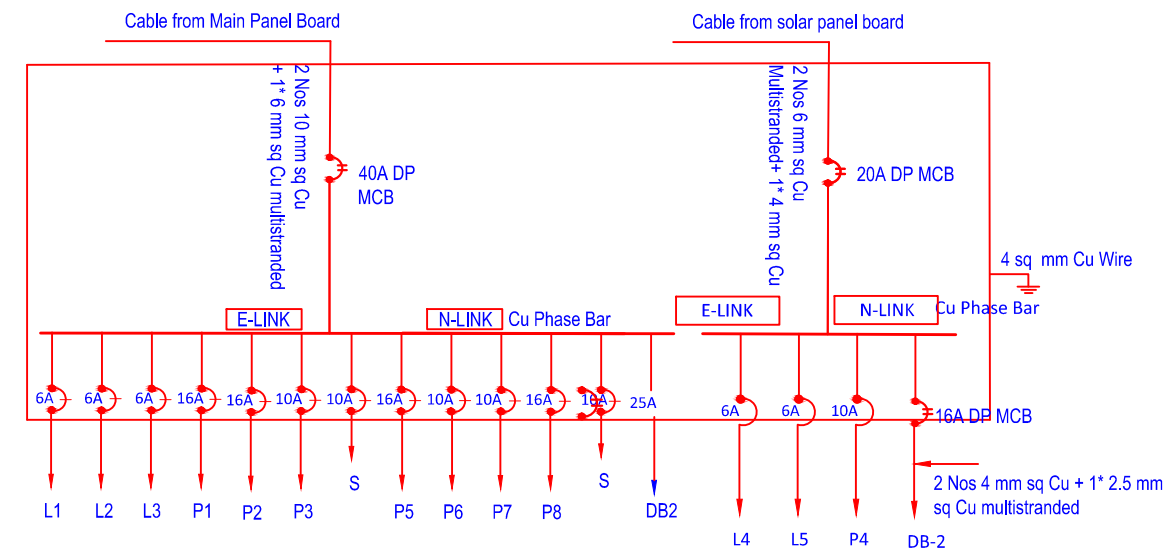
(Scale= 1:100)

LEGEND

SN	SYMBOL	INDICATES	MOUNTING HEIGHT	REMARKS
1		1x28W Recess Type Mirror Optic	Attached to Ceiling	
2		1x28W Surface Type Mirror Optic	Attached to Ceiling	
3		13W CFL Dome Light	Attached to Ceiling	
4		13W CFL Recess Light	Attached to Ceiling	
5		13W LED Post Light	4 Meter Steel Pole	
6		8W CFL Wall Light		
7		1200mm Ceiling Fan	Attached to Ceiling	
8		62W Exhaust Fan	1.7 m above Finished Floor Level	
9		6A Power Socket	Above Skirting	

10		Two way Switch	1.25m above Finished Floor Level	
11		One way Switch	1.25m above Finished Floor Level	
12		Single Pole MCB	-	
13		Double Pole MCB	-	
14		Three Pole MCB	-	
15		NEA Meter	2.5 m above Ground Level	
16		Distribution Board	2.5 m above Ground Level	
17		Main Panel Board	2.5 m above Ground Level	

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu



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

SOLAR DB

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

NOTES:

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



Government Of Nepal
Department Of Education
Sanothimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:

EWES 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 :
**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

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

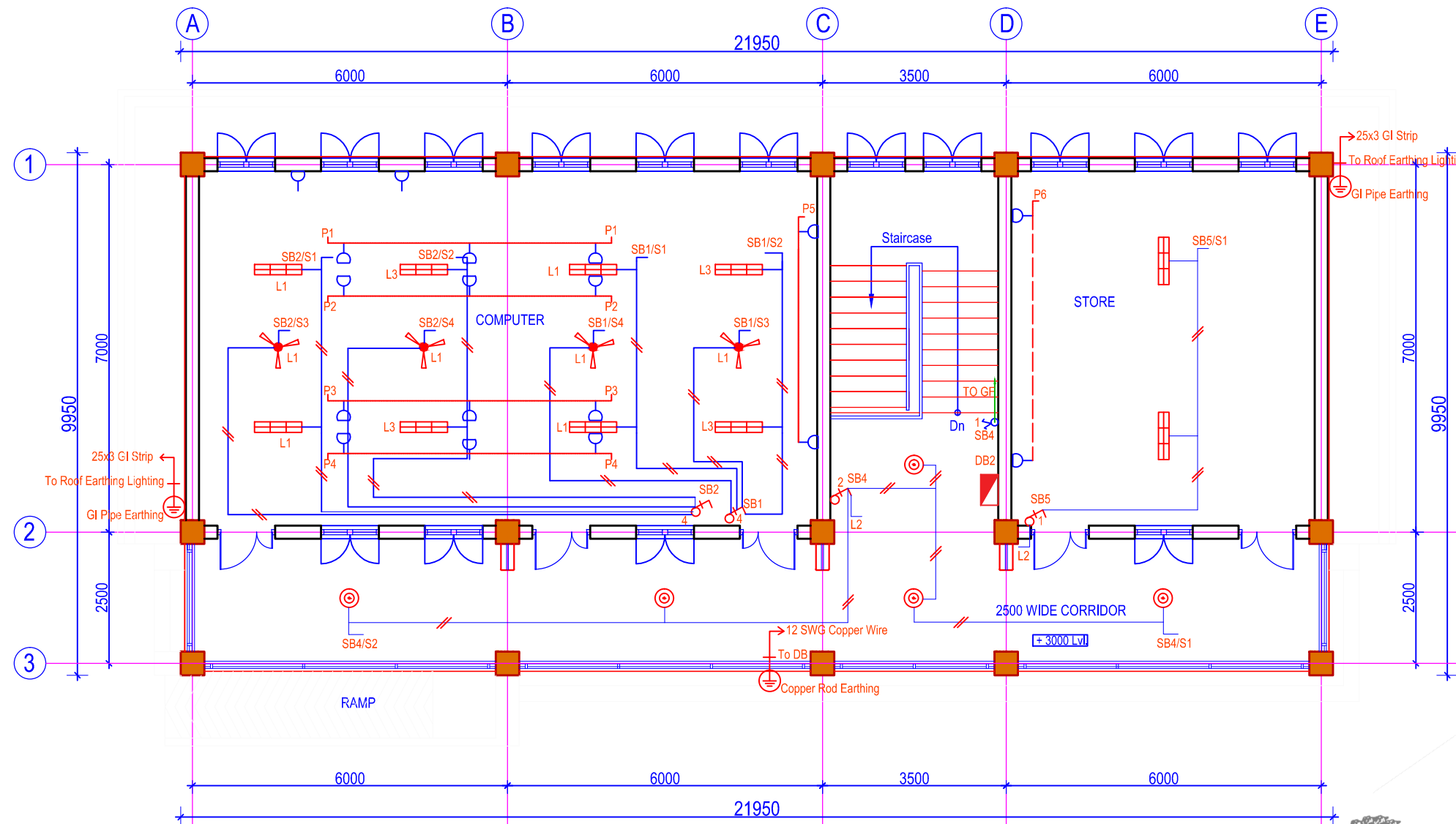
Sheet No.

2-AC

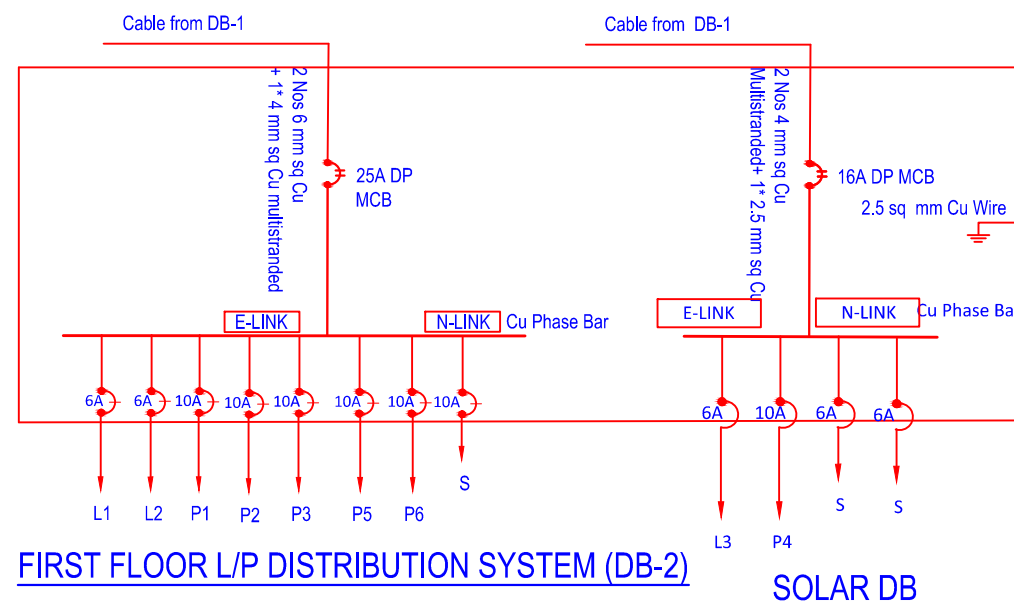
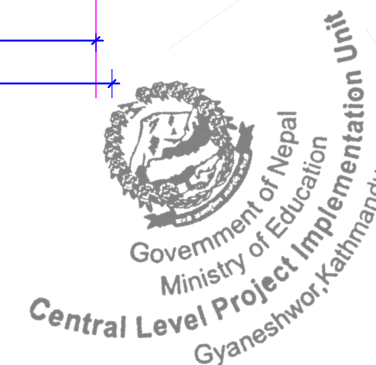
Date : September, 2016

Print Sheet : A'3' Size

E-01



**LIGHT, POWER & DB LAYOUT PLAN
(FIRST FLOOR)**
(Scale= 1:100)



LEGEND

SN	SYMBOL	INDICATES	MOUNTING HEIGHT	REMARKS
1	[Symbol]	1x28W Recess Type Mirror Optic	Attached to Ceiling	
2	[Symbol]	1x28W Surface Type Mirror Optic	Attached to Ceiling	
3	[Symbol]	13W CFL Dome Light	Attached to Ceiling	
4	[Symbol]	13W CFL Recess Light	Attached to Ceiling	
5	[Symbol]	13W LED Post Light	4 Meter Steel Pole	
6	[Symbol]	8W CFL Wall Light		
7	[Symbol]	1200mm Ceiling Fan	Attached to Ceiling	
8	[Symbol]	62W Exhaust Fan	1.7 m above Finished Floor Level	
9	[Symbol]	6A Power Socket	Above Skirting	

10	[Symbol]	Two way Switch	1.25m above Finished Floor Level	
11	[Symbol]	One way Switch	1.25m above Finished Floor Level	
12	[Symbol]	Single Pole MCB	-	
13	[Symbol]	Double Pole MCB	-	
14	[Symbol]	Three Pole MCB	-	
15	[Symbol]	NEA Meter	2.5 m above Ground Level	
16	[Symbol]	Distribution Board	2.5 m above Ground Level	
17	[Symbol]	Main Panel Board	2.5 m above Ground Level	

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

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



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor : **Japan International
Cooperation Agency**

Project Title:
Emergency School Reconstruction Project



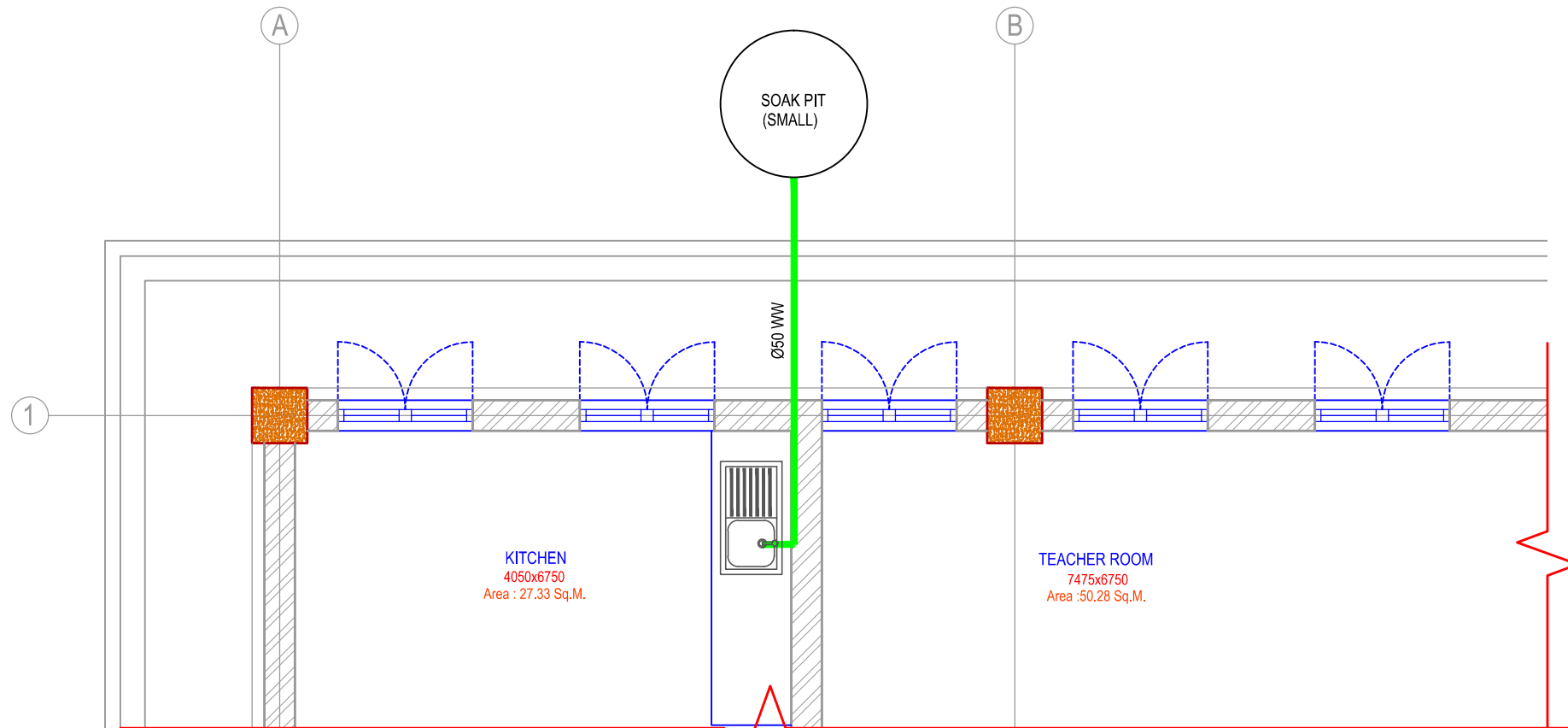
ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development
Joint Venture with
MOHRI, ARCHITECT & ASSOCIATES, INC

Sub-Consultant:
EWES 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

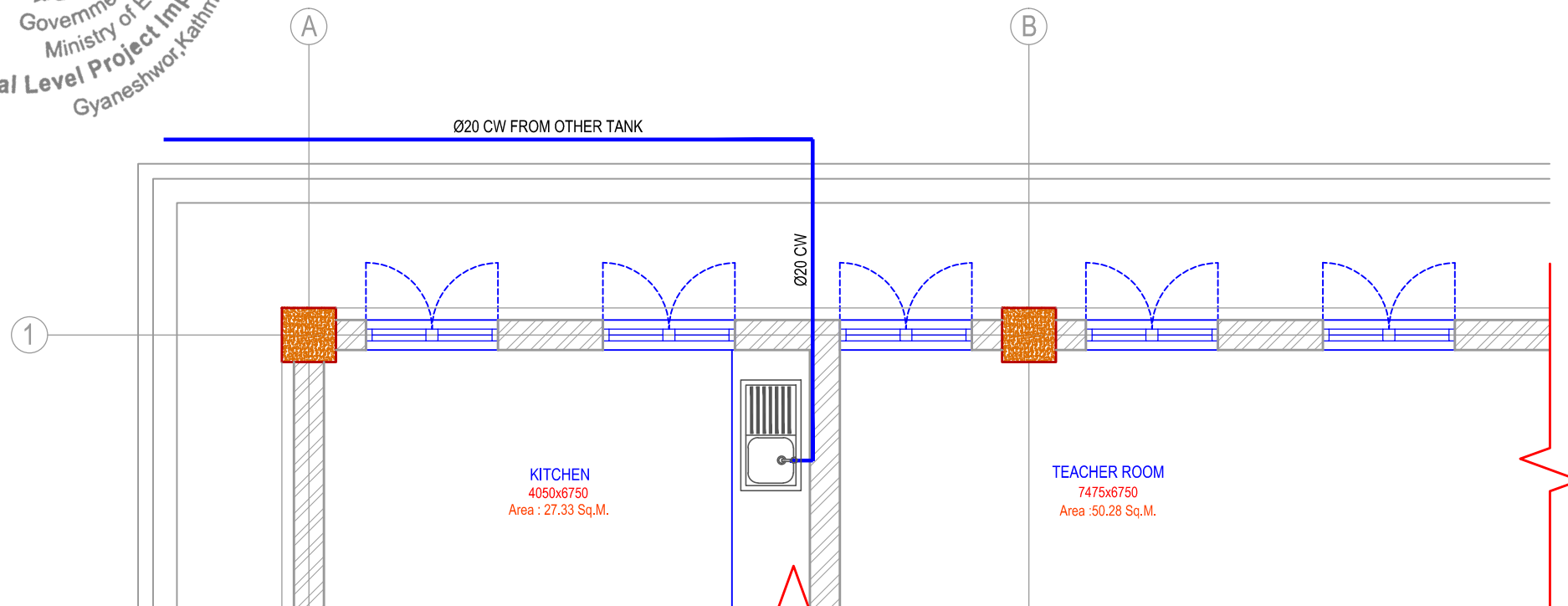
Type Design :
**2 STOREY ADMINISTRATION WITH
COMPUTER ROOM**

Sheet Title : LIGHT, POWER & DB LAYOUT PLAN (FIRST FLOOR)	Sheet No. 2-AC
Date : September, 2016 Print Sheet : A'3' Size	E-02



WASTE WATER PIPELINE LAYOUT
(GROUND FLOOR PLAN)

(Scale= 1:50)



WATER SUPPLY PIPELINE LAYOUT
(GROUND FLOOR PLAN)

(Scale= 1:50)



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.

LEGEND FOR SANITARY DRAWINGS

SYMBOL	DESCRIPTION
	COLD WATER PIPE, CPVC, SIZE IN MM
	PVC SEWER PIPE, SIZE IN MM
	PVC WASTE WATER PIPE, SIZE IN MM
	FOLDABLE HINGE FOR DISABLED
	ORISSA PAN
	EUROPEAN WATER CLOSET WITH COMMODE SPRAY AND GRAB BAR
	SQUAT URINAL
	WALL HUNG WASH BASIN
	PVC CLEANOUT
	LONG BODY BIB COCK
	CP PUSH COCK & SPREADER FOR URINAL
	BASIN MIXTURE
	CP COMMODE SPRAY WITH CISTERN INLET
	TRAP
	FLOOR TRAP
	CPVC BALL VALVE/
	450x450 WASTE WATER CHAMBER
	600 Ø SEWER MANHOLE

- NOTE:
1. ALL WATER SUPPLY PIPES : CPVC SDR 11
 2. ALL SOIL & WASTE (SW) PIPES: PVC
 3. AVOID 90° BENDS ON SW PIPES AND USE 2 NOS 45° BENDS



Government Of Nepal
Department Of Education
Sanathimi, Bhaktapur, Nepal



Donor :
Japan International
Cooperation Agency

Project Title:

Emergency School Reconstruction Project



ORIENTAL CONSULTANTS GLOBAL
Global Consulting for sustainable Development



Joint Venture with
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	Mr. R.K. Karkee

Type Design :
2 STOREY ADMINISTRATION WITH
COMPUTER ROOM

Sheet Title :
WASTE WATER & WATER
SUPPLY PIPELINE LAYOUT
PLAN

Sheet No.

2-AC

Date : September, 2016

Print Sheet : A'3' Size

P-01