

GENERAL NOTES & STANDARD DETAILS

1.0 GENERAL :

- 1.1 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE AND SHALL NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK. THIS SHALL INCLUDE THE LOCATION AND DIMENSIONS OF GROOVES, REGLETS, SLEEVES, CURBS, OPENINGS, EMBEDDED OR ATTACHED ITEMS ETC. (REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS).
- 1.2 ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN IN PLANS, SECTION OR DETAILS. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND DETAILS.
- 1.3 THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURES. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION UNLESS SO STATED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PROTECT THE STRUCTURES, ADJACENT PROPERTIES, WORKMEN, AND OTHER PERSONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND / ENGINEER OF ANY CONDITION WHICH IN HIS OPINION MIGHT ENDANGER THE STABILITY OF THE STRUCTURES OR CAUSE DISTRESS IN THE STRUCTURES.
- 1.4 CONSTRUCTION MATERIALS SHALL NOT BE STORED ON POURED FLOORS. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE SUBCONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT.
- 1.5 THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACINGS AND SHORINGS FOR ALL THE STRUCTURAL MEMBERS AS REQUIRED FOR THE STRUCTURE STABILITY DURING ALL PHASES OF CONSTRUCTION.
- 1.6 THE CONTRACTOR SHALL TAKE ALL STEP NECESSARY TO ENSURE THE PROPER ALIGNMENT OF THE STRUCTURES AFTER THE INSTALLATION OF ALL STRUCTURAL AND FINISH MATERIALS.
- 1.7 TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE JOB UNLESS OTHERWISE SHOWN IN THE DRAWINGS.

2.0 SCOPE OF DOCUMENTS :

- 2.1 THIS DOCUMENTS ARE USED FOR STANDARDS OF REINFORCED CONCRETE.
- 2.2 THE AIM OF THIS DOCUMENTS IS TO GIVE INFORMATION AND INSTRUCTION FOR GENERAL WORK. SPECIAL WORK ON THE STRUCTURE MUST BE ADJUSTED IN ACCORDANCE WITH THE PLAN AND TO BE APPROVED BY THE ENGINEER.
NOTE:
IF THE STRUCTURE IS TO BE ADJUSTED IT SHOULD BE DONE IN ACCORDANCE WITH THE PLAN DRAWING AND SHOULD BE APPROVED BY THE ENGINEER.
- 2.3 ALL WORKS MUST BE DONE IN ACCORDANCE WITH THE SPECIFICATION.

3.0 MATERIALS :

- 3.1 NORMAL WEIGHT CONCRETE:
- 3.1.1 CONCRETE USED IN THIS WORK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH 20.6 MPA (3000 PSI) @ 28 DAYS
NOTE:
SPECIAL PROVISIONS ON COMPRESSIVE STRENGTH THAT WILL BE USED IN CONSTRUCTION MUST BE APPROVED BY THE ENGINEER (DESIGN PROFESSIONAL).
- 3.1.2 ALL CONCRETE SHALL BE DEPOSITED, VIBRATED AND CURED IN ACCORDANCE WITH ACI 318-14.
- 3.1.3 CONCRETE COVER REINFORCING BARS SHALL BE AS FOLLOWS:

CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	75MM
EXPOSED TO WEATHER	
SLAB AND JOIST	40MM
BEAMS AND COLUMNS	50MM
WALLS	50MM
FOOTING AND BASE SLAB	50MM
NOT EXPOSED	
SLAB AND JOIST	20MM
BEAMS AND COLUMNS	40MM
WALLS	40MM
FOOTING AND BASE SLAB	50MM

- 3.1.4 BEFORE CONCRETE IS POURED CHECK WITH ALL TRADES TO ENSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, CURBS, CONDUITS, ETC. RELATIVE TO WORK.

3.2 REINFORCING BARS:

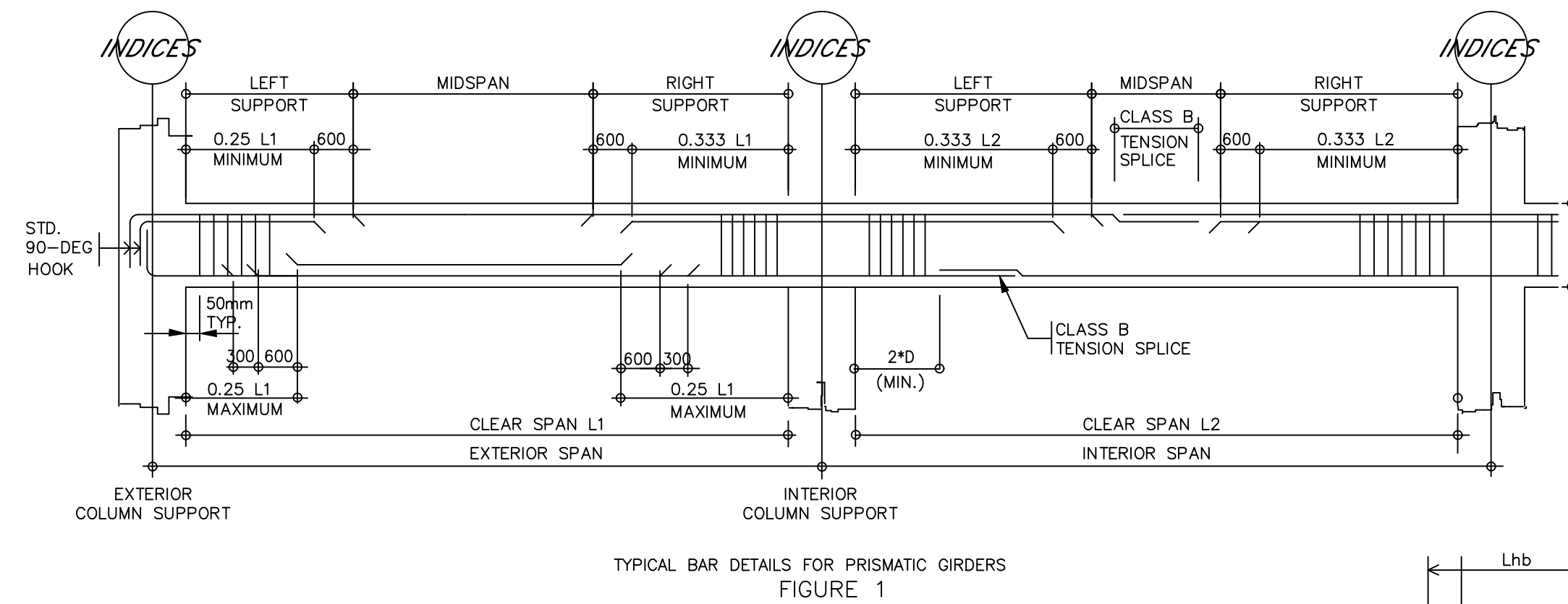
- 3.2.1 UNLESS OTHERWISE SPECIFIED ON PLANS, ALL REINFORCING BARS (LONGITUDINAL AND TRANSVERSE) SHALL BE DEFORMED WITH MINIMUM YIELD STRENGTH OF GRADE 40 (275 MPA) FOR ϕ 12MM BELOW AND GRADE 60 (414 MPA) FOR ϕ 16MM BEYOND.
- 3.2.2 ALL REINFORCING BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS WHICH TEND TO IMPAIR BOND.
- 3.2.3 ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE OR APPLYING MORTAR OR GROUT.
- 3.2.4 LAPPED SPICE SHALL BE STAGGERED WHERE POSSIBLE. A MAXIMUM OF 50 PERCENT OF THE REQUIRED AREA OF STEEL SHALL BE SPICE IN THE SAME LOCATION.
- 3.2.5 UNLESS SHOWN OTHERWISE ON PLANS, SPICES SHALL BE AS FOLLOWS:

A. BEAMS AND FOOTING TIE BEAMS: TOP AND BOTTOM BARS SHALL NOT BE SPICED WITHIN THE COLUMN OR WITHIN A DISTANCE OF TWICE THE MEMBER DEPTH FROM THE FACE OF THE COLUMN; THE SPICE LENGTH SHALL NOT BE LESS THAN 1.3 X LD AS SHOWN ON THE TABLE A BUT NOT LESS THAN 600MM.

B. COLUMN: SPICES WHEN PERMITTED SHALL BE MADE WITH IN THE CENTER HALF OF COLUMN HEIGHT AND THE LAP SPICE SHALL NOT BE LESS THAN 40 X DIAMETER OF THE BAR. THE USE OF APPROVED MECHANICAL DEVICES MAY BE PERMITTED PROVIDED THAT NO MORE THAN ALTERNATIVE BARS ARE SPICE AT ANY LEVEL AND THE MINIMUM VERTICAL DISTANCE BETWEEN TWO ADJACENT BAR SPICES SHALL BE 600MM.

C. CMU WALLS: VERTICAL BARS SHALL BE SPICED AT THE TOP OF WALL FOOTING OR FOOTING TIE BEAMS AND AT THE BOTTOM OF RC LINTEL BEAMS.

- 3.2.6 UNLESS INDICATED OTHERWISE ALL BEAMS TERMINATING AT THE COLUMN SHALL HAVE TOP AND BOTTOM BARS EXTENDING TO THE FAR FACE OF THE COLUMN, TERMINATING IN A STANDARD 90 HOOK LENGTH OF ANCHORAGE SHALL NOT BE LESS THAN 600MM AS SHOWN IN THE FIGURE 1.



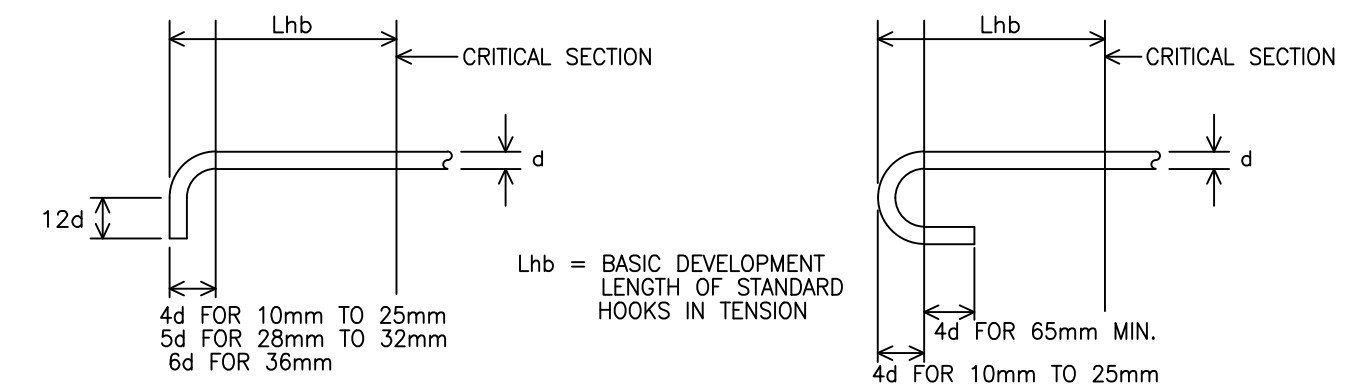
- 3.2.7 MINIMUM DEVELOPMENT SPICE OF REINFORCEMENT SHALL BE AS INDICATED IN TABLE A.

TABLE A : MINIMUM DEVELOPMENT LENGTHS AND SPICE LENGTHS OF REINFORCEMENTS

CONCRETE STRENGTH	20.60 MPA	DEVELOPMENT LENGTH OF	
BAR DIAMETER (mm)	DEVELOPMENT LENGTH OF DEFORMED BARS IN TENSION (mm)	DEFORMED BARS IN TENSION TERMINATING IN	CLASS B SPICE LENGTH (mm)
ϕ 10	248	STANDARD HOOK (25d)	400
ϕ 12	298	STANDARD HOOK (25d)	480
ϕ 16	397	STANDARD HOOK (25d)	640
ϕ 20	573	STANDARD HOOK (25d)	800
ϕ 25	895	STANDARD HOOK (25d)	1164
ϕ 28	1123	STANDARD HOOK (25d)	1460
ϕ 32	1466	STANDARD HOOK (25d)	1906
ϕ 36	1856	STANDARD HOOK (25d)	2413

- 3.2.8 STANDARD HOOK AND MINIMUM BEND DIAMETER SHALL BE AS FOLLOWS:

BEND ANGLE	SHAPE	BAR DIA. (d)	DIA. OF INSIDE HOOK (D)	REBAR END LENGTH (A)
90°		≤ 25	6d	12d
		$> 25 \text{ AND } \leq 36$	8d	
135° (STIRRUPS AND TIES)		< 16	4d	6d or 75 MIN.
		$> 16 \text{ AND } \leq 25$	6d	
180°		< 25	6d	4d or 65 MIN.
		$> 25 \text{ AND } \leq 36$	8d	

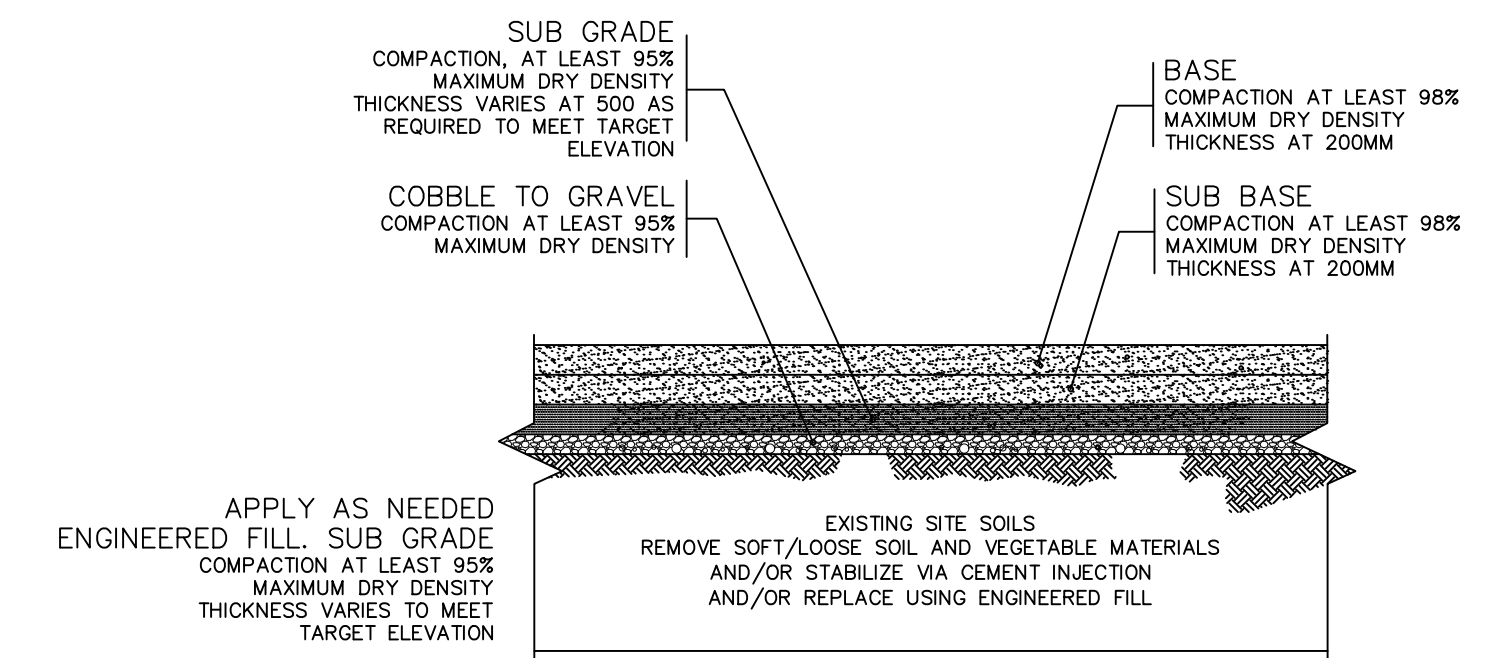


3.3 CONCRETE MASONRY UNITS (CMU)

- 3.3.1 CMU USED THESE WORKS SHALL HAVE MINIMUM ULTIMATE COMPRESSIVE STRENGTH @ 28 DAYS AS FOLLOWS 100MM AND 150MM THICK NON - LOAD BEARING CMU, F'M = 2.5 MPA (350 PSI)
- 3.3.2 ALL CELLS SHALL BE SOUNDLY FILLED WITH CONCRETE MORTAR HAVING MINIMUM COMPRESSIVE STRENGTH OF 17.20 MPA (2500 PSI) @ 28 DAYS

4.0 FOUNDATION :

- 4.1 FOR FOOTINGS AND FOUNDATIONS RESTING ON FILL. THE FILL MATERIALS UNDERNEATH SHALL BE SELECTED STRUCTURAL FILL (TYPE "G" OR "H") OF THE TECHNICAL SPECIFICATIONS SECTION 02200-EARTHWORK. PLACE AND COMPACT FILL IN ACCORDANCE WITH THE ABOVE TECHNICAL SPECIFICATIONS.
- 4.2 WHERE LOOSE/SOFT MATERIAL IS ENCOUNTERED AT DEPTH OF FOOTING/FOUNDATION INDICATED, EXCAVATE TO FIRM LAYER AND REPLACE LOOSE/SOFT MATERIALS UNDERNEATH THE FOOTING WITHIN THE FOOTING AREA PLUS 1/2 DEPTH OF SOIL MATERIAL ON ALL SIDES WITH SELECTED BACKFILL. COMPACT SELECTED BACKFILL TO 95% MAXIMUM DRY DENSITY (ASTM D1557).
- 4.3 FOUNDATION SHALL REST OVER 50mm THK. LEAN CONCRETE ON 100MM THK COMPACTED GRAVEL BASE COARSE, UNLESS OTHERWISE STATED.
- 4.4 FILL/BACKFILL SHALL BE PLACED IN 200MM LAYERS AND EACH LAYER SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY BEFORE SUBSEQUENT LAYERS ARE TO BE LAID.



TYPICAL GROUND PREPARATION WORKS
FIGURE 2

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PROJECT NAME:
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DRAWING TITLE:
AS SHOWN

DRAWN BY: _____ CHECKED BY: _____ APPROVED BY: _____ DATE: _____

CLIENT NAME & ADDRESS
MS. FRITZIE ANNE ASUNCION DELA CRUZ

ARNALDO HWY, BRGY. SANTIAGO, GENERAL TRIAS CITY, CAVITE

CHECKED AND VERIFIED BY : _____

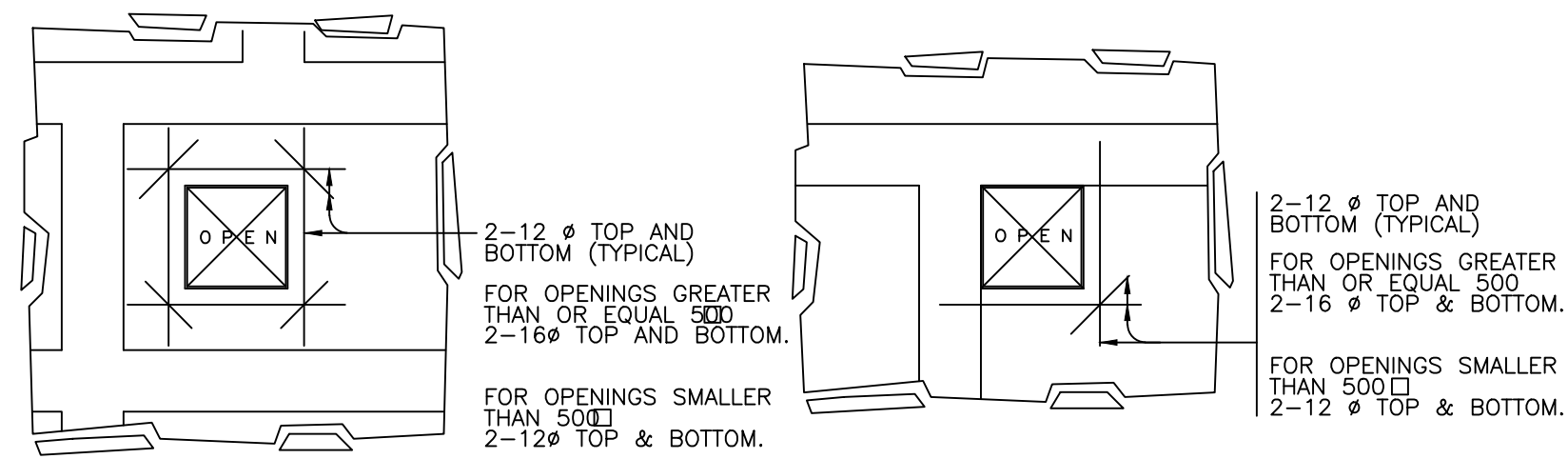
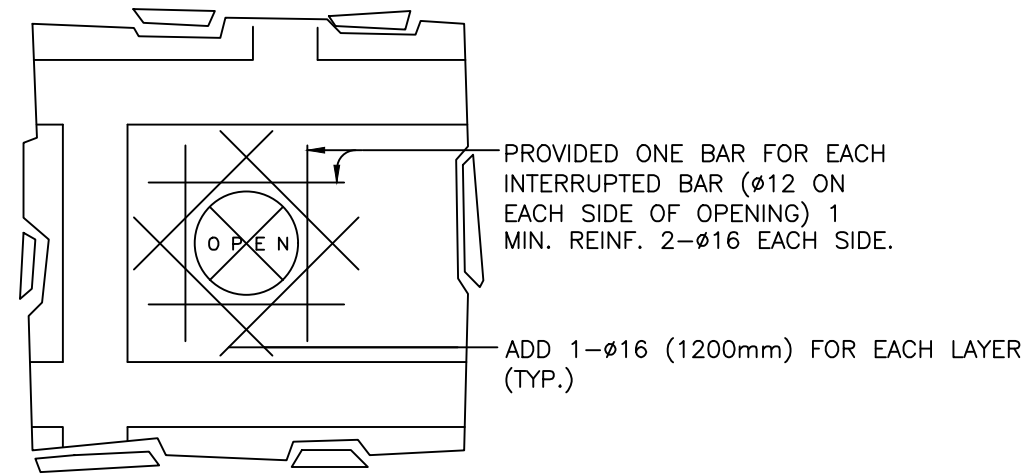
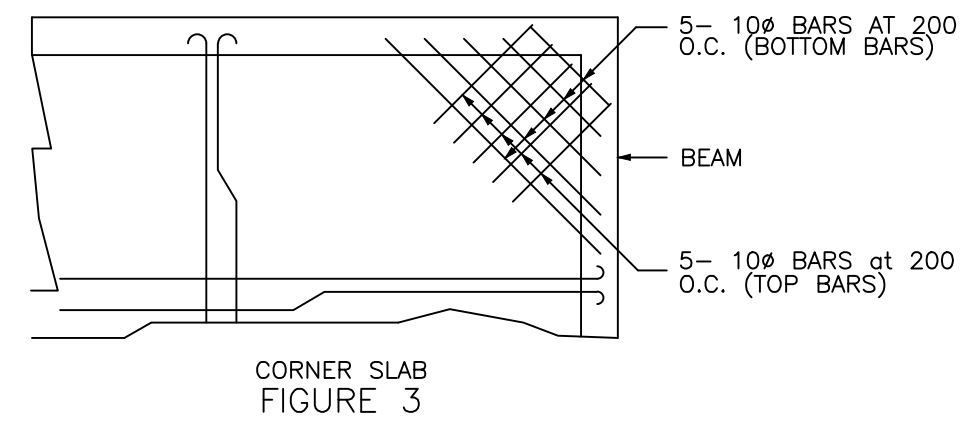
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5.0 CONCRETE SLABS

- 5.1 UNLESS OTHERWISE NOTED, ALL BEDDED SLABS SHALL BE REINFORCED WITH 10mm AT 250mm EACHWAY AT CENTER OF SLAB, CONSTRUCTION JOINTS SHALL NOT BE MORE THAN 3000mm APART.
- 5.2 PROVIDE EXTRA REINFORCEMENT FOR CORNER SLABS (TWO ADJACENT DISCONTINUOUS EDGES) AS SHOWN ON FIGURE 3.
- 5.3 PROVIDE EXTRA REINFORCEMENT AT ADJACENT SLAB OPENINGS AS SHOWN ON FIGURE 4.



TYPICAL DETAIL OF SLAB OPENINGS
FIGURE 4

6.0 BUNDLED BARS

- 6.1 BUNDLED BARS MUST BE TIED OR WIRED OR OTHERWISE FASTENED TO ENSURE THAT THEY REMAIN IN POSITION. NO WELDING SHALL BE ALLOWED FOR SUCH A PURPOSE.
- 6.2 SPLICING OF INDIVIDUAL BARS IN A BUNDLE, SHALL BE STAGGERED AT LEAST 600mm.
- 6.3 CUT-OFF POINTS OF INDIVIDUAL BARS IN A BUNDLE SHALL BE STAGGERED BY A DISTANCE OF AT LEAST 40 TIMES THE BAR DIAMETER.
- 6.4 BUNDLES MORE THAN ONE BAR DEEP IN THE PLANE OF BENDING MAY NOT BE HOOKED OR BENT AS A UNIT. WHERE END HOOKS ARE REQUIRED STAGGER THE INDIVIDUAL BAR HOOKS WITHIN THE BUNDLE.

7.0 CONCRETE WALLS

- 7.1 REINFORCING BARS SHALL HAVE 25mm ϕ MINIMUM CLEAR DISTANCE FROM WALL FACE EXCEPT FOR WALLS DEPOSITED AGAINST THE GROUND WHERE A MINIMUM OF 75mm SHALL BE PROVIDED AND FOR EXPOSED FACES OF FORMED WALLS WHERE THE MINIMUM SHALL BE 50mm CLEAR DISTANCE FOR BARS LARGER THAN 16mm ϕ , AND 40mm FOR 16mm ϕ BARS OR SMALLER.
- 7.2 CARRY VERTICAL BARS AT LEAST 600mm ABOVE FLOOR LEVEL TO PROVIDE FOR SPLICES WHEN NECESSARY. STOP AT 50mm BELOW TOP OF THE SLAB OR SOLID BAND WHERE THE WALLS END. HORIZONTAL AND VERTICAL BARS SHALL BE SPLICED BY LAPPING A DISTANCE EQUAL TO 40 DIAMETERS AND WIRED SECURELY WITH NO. 16 G.I. WIRE. SPLICES IN ADJACENT BARS SHALL BE STAGGERED AT LEAST 1520mm ON CENTER. (FIGURE 5)

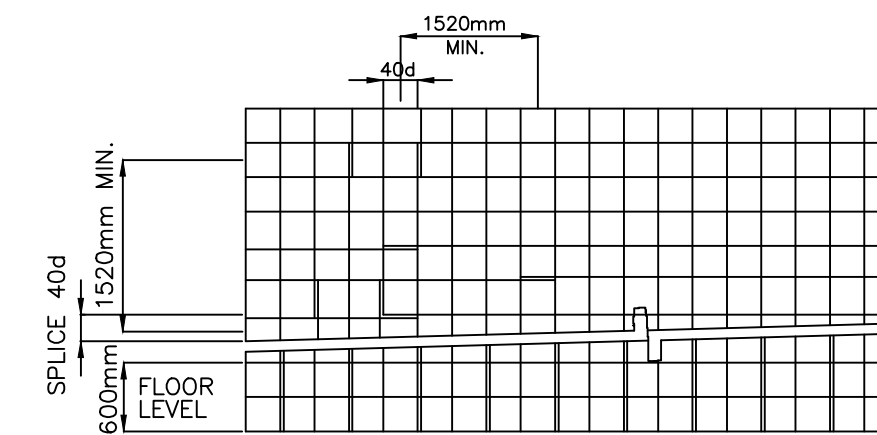
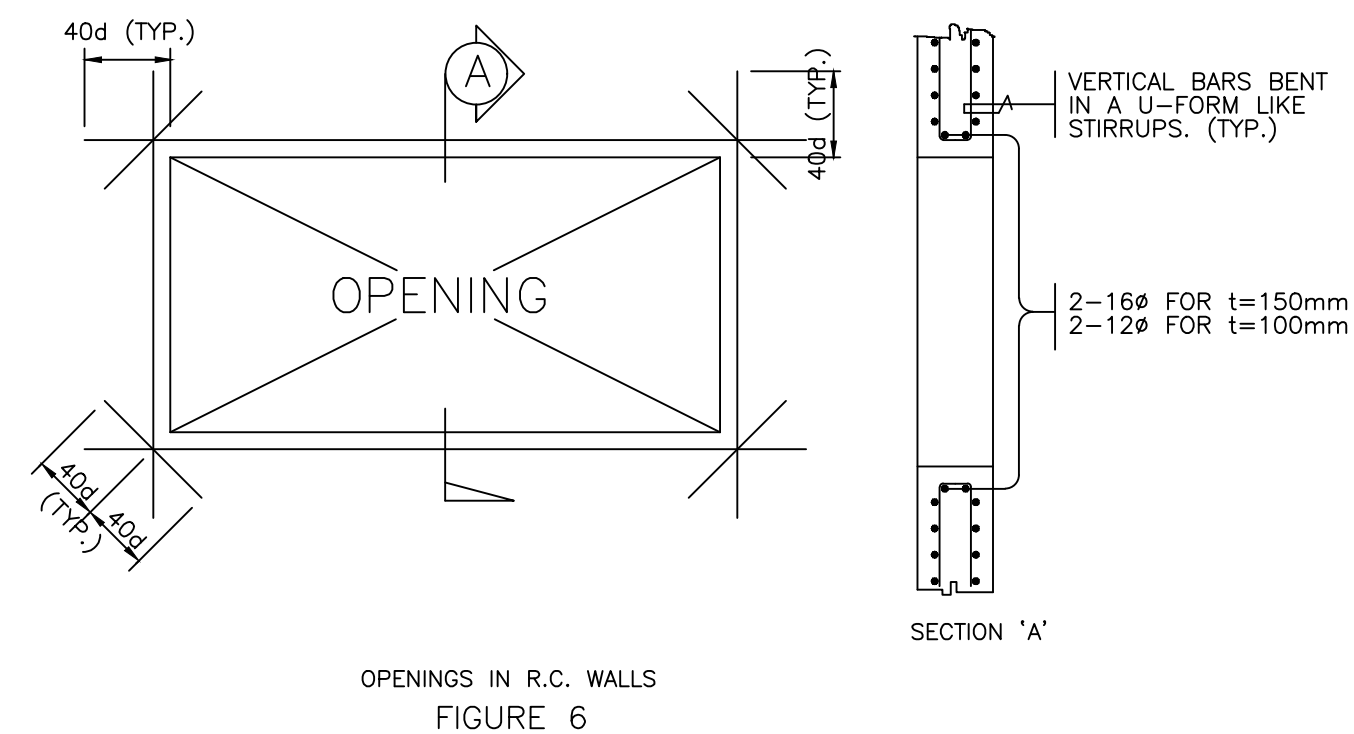


FIGURE 5

- 7.3 UNLESS OTHERWISE NOTED IN THE PLANS ALL OPENINGS IN WALLS 150mm THICK SHALL BE REINFORCED WITH 2-16mm ϕ BARS. FOR 100mm THICK WALLS, USE 2-12mm ϕ BARS. (FIGURE 6) ALL WALLS SPANNING AN OPENING SHALL HAVE VERTICAL REINFORCEMENT BENT TO A U-FORM LIKE STIRRUPS AND SPACED ACCORDING TO THE SCHEDULE UNLESS OTHERWISE NOTED. (See Sect. 'A' OF FIG. 6)



OPENINGS IN R.C. WALLS
FIGURE 6

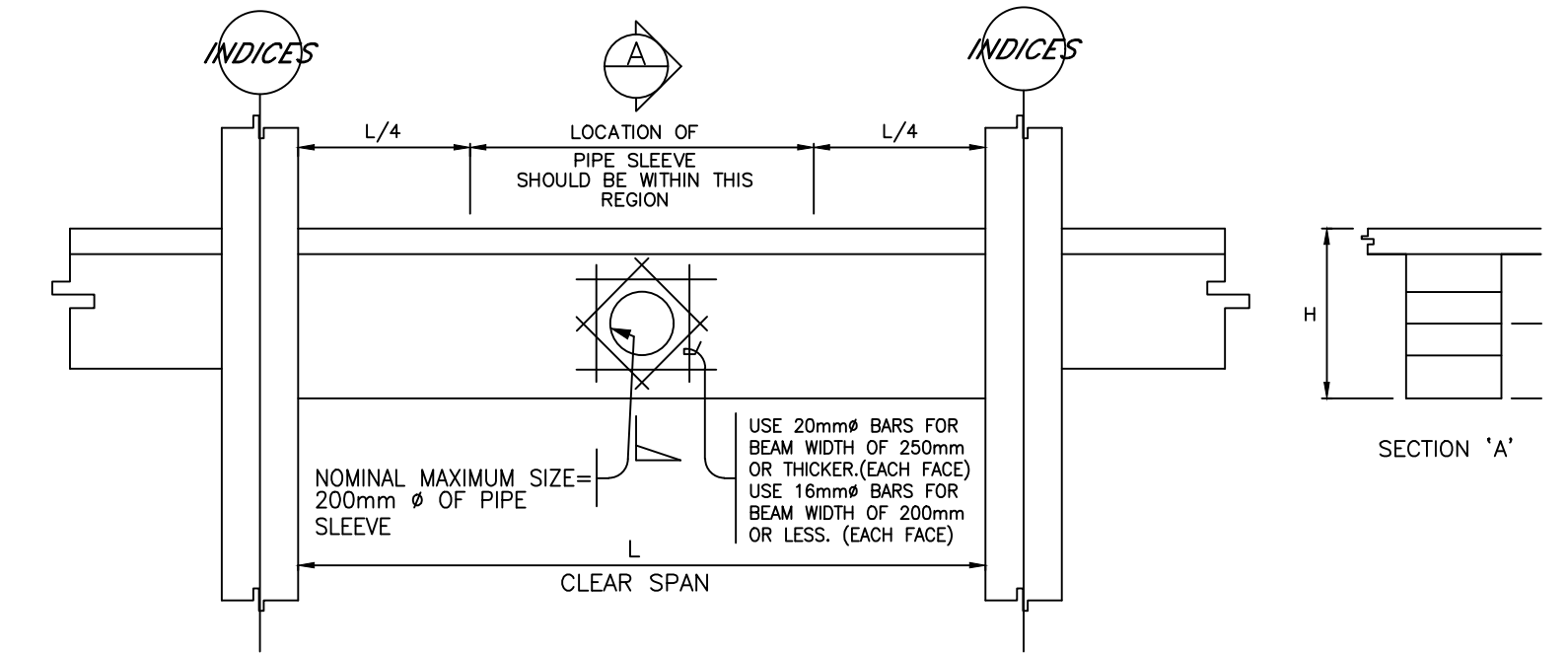
8.0 CONCRETE MIXES AND PLACING

- 8.1 CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION, RE-HANDLING OR FLOWING. PLACING SHALL BE DONE PREFERABLY WITH BUGGIES, BUCKETS OR WHEEL BARROWS. NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUGGIES, WHEEL BARROWS OR BUCKETS, IN WHICH CASE, THEY SHALL NOT EXCEED SIX (6) METERS IN AGGREGATE LENGTH.
- 8.2 NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING BY THE DESIGNERS AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATION IS EXTREMELY DIFFICULT TO ACCOMPLISH.

9.0 BEAMS AND GIRDERS

- 9.1 IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USE SEPARATORS OF A SIZE NOT LESS THAN LONGITUDINAL BAR DIAMETER OR 25mm WHICH EVER IS GREATER. IN NO CASE SHALL THERE BE LESS THAN TWO (2) SEPARATORS BETWEEN LAYERS OF BARS.
- 9.2 WHEN A BEAM CROSSES A GIRDER, REST BEAM BARS ON TOP OF GIRDER BARS, REINFORCING BARS SHALL BE SYMMETRICAL ABOUT THE CENTER LINE WHERE EVER POSSIBLE AND UPPER BARS SHALL BE PLACED DIRECTLY ABOVE THOSE IN THE BOTTOM LAYER.
- 9.3 LONGITUDINAL REINFORCEMENT OF GIRDERS, BOTH TOP AND BOTTOM, TERMINATED IN A COLUMN SHALL BE EXTENDED TO THE FAR FACE OF THE CONFINED CONCRETE CORE OF THE COLUMN AND TERMINATED BY A STANDARD 90 $^{\circ}$ HOOK.

- 9.4 PROVIDE HOOP REINFORCEMENT SPACED AT 100mm O.C. OVER THE LENGTH OF LAPPED BARS.
- 9.5 WELDED SPLICES SHALL NOT BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER.
- 9.6 PIPE AND DUCT SLEEVES SHALL BE LOCATED WITHIN THE MIDDLE HALF OF THE CLEAR SPAN. SEE FIGURE-7 FOR TYPICAL PIPE SLEEVE DETAIL.



TYPICAL PIPE SLEEVE DETAIL
FIGURE 7

10.0 MASONRY WALLS

- 10.1 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE NATIONAL CONCRETE MASONRY ASSOCIATION AND UNIFORM BUILDING CODE.
- 10.2 CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-129 GRADE N, NON LOAD BEARING, UNLESS NOTED OTHERWISE ON PLAN.
- 10.3 MORTAR AND GROUT FOR ALL REINFORCED MASONRY SHALL CONFORM TO ASTM C270-TYPE M.
- 10.4 ALL MASONRY WALLS SHALL BE REINFORCED ACCORDING TO FIGURE-9 UNLESS OTHERWISE INDICATED IN THE PLANS.

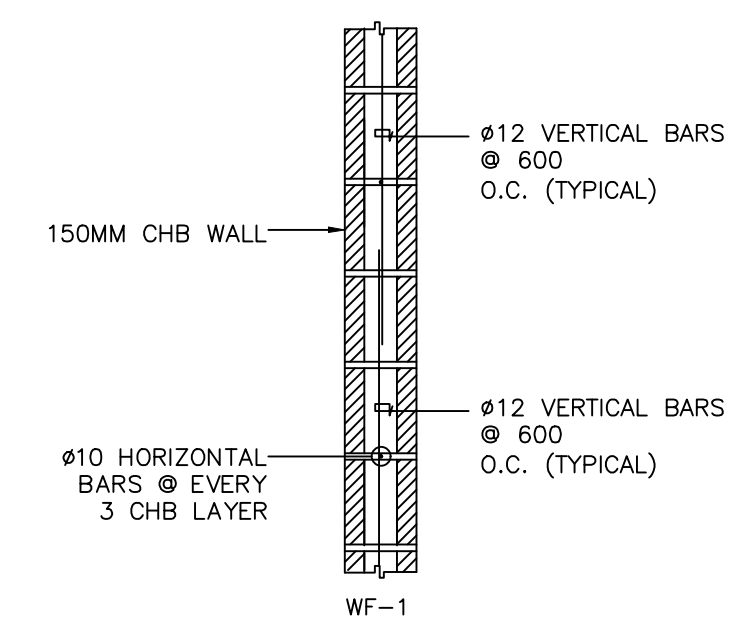


FIGURE 9

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Sec. 33. Ownership of Plans, Specifications, and Other Contract Documents.

- Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the Architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole, without the written consent of Architect or author of said documents.

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AS SHOWN

DRAWN BY:

J.M. ENDOZO

CHECKED BY:

J.M. ENDOZO

APPROVED BY:

DATE:

CLIENT NAME & ADDRESS

CHECKED AND VERIFIED BY :

PROJECT NO:

SCALE:

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10.5 PROVIDE LINTEL BEAMS AT LEAST EVERY 3000mm HEIGHT OF CHB WALL AND POST AT LEAST EVERY 3000mm WIDTH OF CHB WALL. POST SHALL HAVE THE SAME DIMENSION AND REINFORCEMENTS AS THE LINTEL POST. (SEE FIGURE 10)

10.6 PROVIDE LINTEL BEAM & LINTEL POST AROUND ALL OPENINGS. (SEE FIGURE 10a).

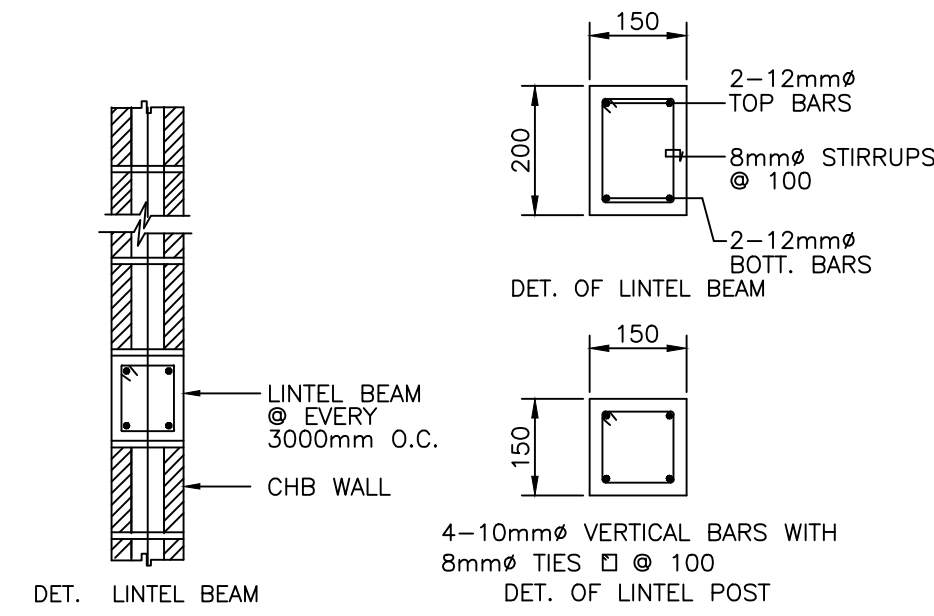
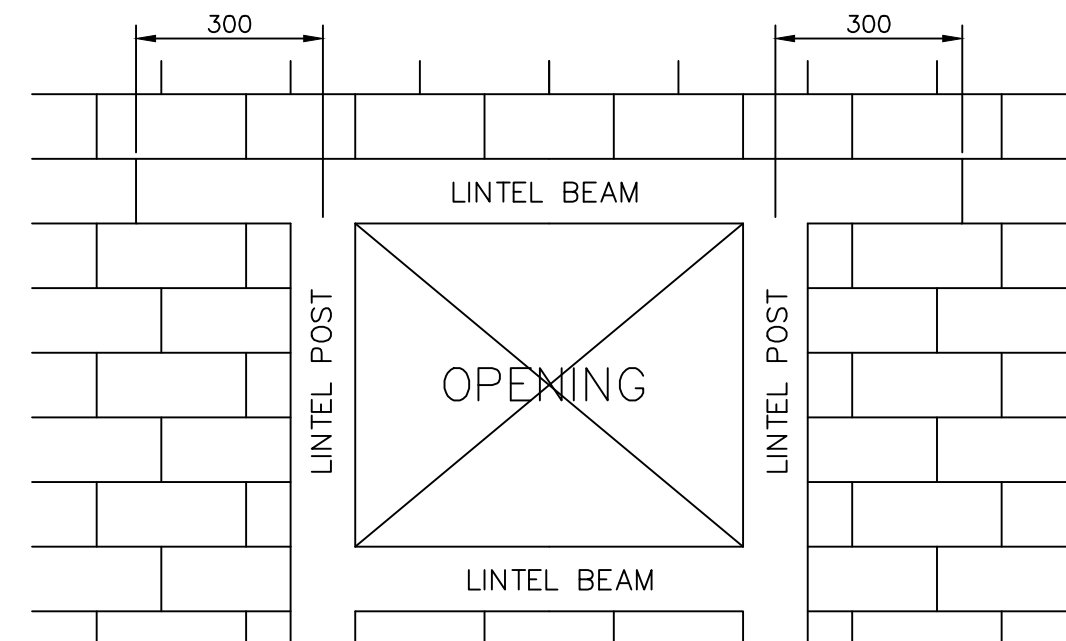


FIGURE 10



NOTE WELL:

ALL BEAMS, LINTEL POSTS & LINTEL BEAMS SHALL BE CAST AGAINST CONCRETE HOLLOW BLOCKS (CHB). (i.e. CHB SHOULD BE PLACED BEFORE LINTEL POSTS AND BEAMS)

FIGURE 10a

11.0 COLUMNS

- 11.1 LAP SPLICES, WHEN REQUIRED, ARE PERMITTED ONLY WITHIN THE CENTER HALF OF THE COLUMN LENGTH. SEE TABLE "A" FOR LAP SPLICE LENGTHS. IN NO CASE SHALL THE LAP SPLICE BE LOCATED CLOSER THAN A DISTANCE EQUAL TO THE MAXIMUM COLUMN DIMENSION FROM THE FACE OF THE BEAM-COLUMN JOINT. PROVIDE EXTRA TRANSVERSE REINFORCEMENT OF THE SAME SIZE AND ARRANGEMENT INDICATED IN THE COLUMN SCHEDULE SPACE AT MOST ONE-FOURTH THE MINIMUM COLUMN SECTION DIMENSION THROUGHOUT THE LENGTH OF SPLICE, BUT NOT MORE THAN 100mm O.C.
- 11.2 FOR ALL TIED COLUMNS, PROVIDE TRANSVERSE REINFORCEMENT OF THE SAME SIZE AND ARRANGEMENT INDICATED IN THE COLUMN SECTION SCHEDULE AND SPACED NO GREATER THAN ONE-QUARTER THE MINIMUM COLUMN SECTION DIMENSION OR 100mm, WHICHEVER IS LESS OVER A DISTANCE FROM EACH JOINT FACE OF NOT LESS THAN THE LARGER OF THE MAXIMUM COLUMN SECTION DIMENSION, OR ONE-SIXTH OF THE CLEAR HEIGHT OF THE COLUMN OR 450mm.
- 11.3 BEAM-COLUMN JOINTS SHALL BE PROVIDED WITH TRANSVERSE REINFORCEMENT SPACED AT TWICE THAT REQUIRED BY ITEM C WHEN THERE ARE BEAMS HAVING WIDTHS AT LEAST ONE-HALF THE COLUMN WIDTH AND DEPTHS NOT LESS THAN THREE-QUARTERS OF THE DEEPEST BEAM THAT FRAME INTO FOUR SIDES OF THE COLUMN. FOR ALL OTHER CONDITIONS PROVIDE SAME SPACING AS REQUIRED IN ITEM C.
- 11.4 UNLESS OTHERWISE DETAILED, TYPICAL BAR DETAILS FOR TIED COLUMNS ARE AS SHOWN ON FIGURES 11 TO 13.
- 11.5 SEE TABLE "A" FOR SCHEDULE OF LAP SPLICE LENGTHS IN COLUMNS.

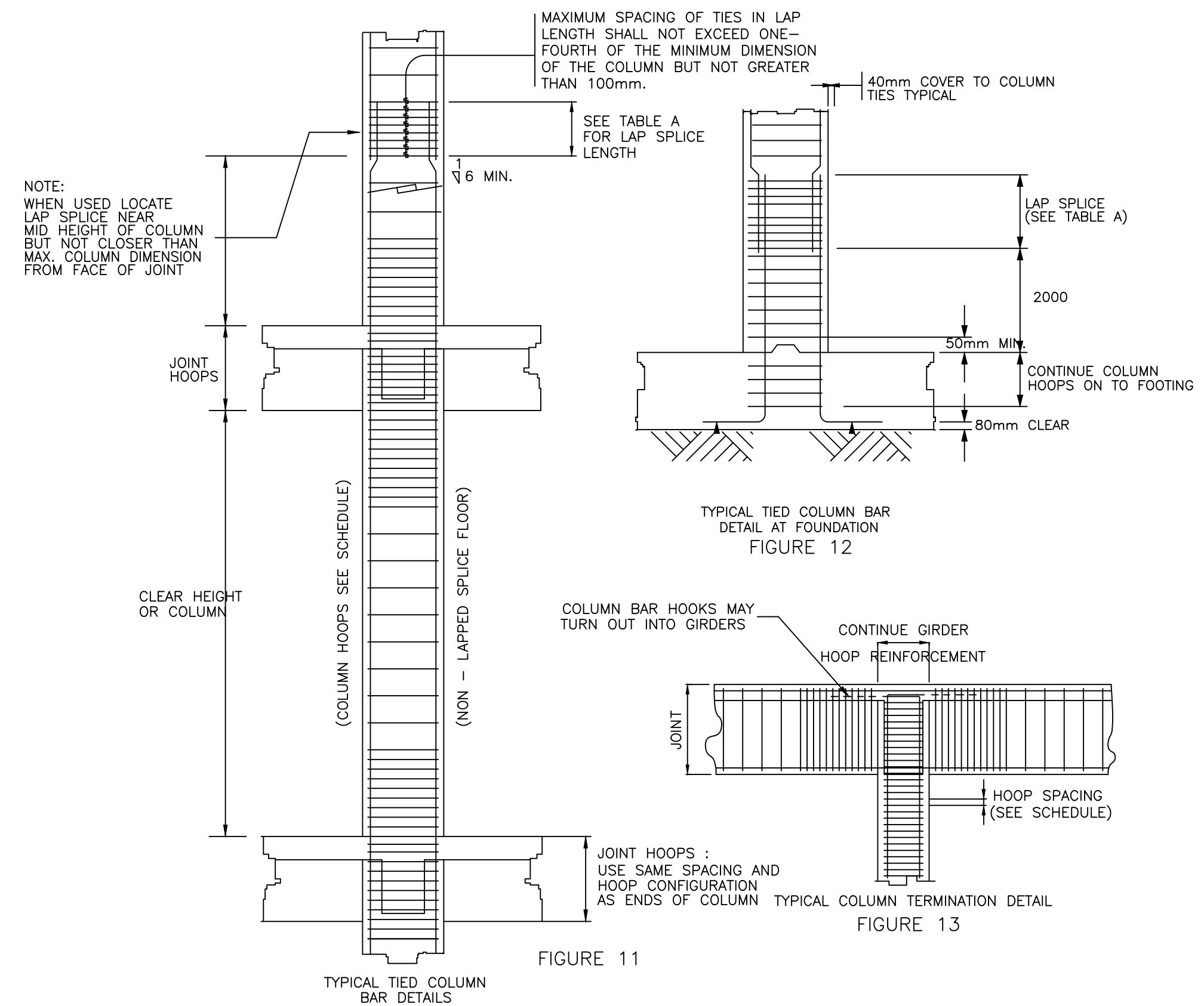


FIGURE 11

FIGURE 12

FIGURE 13

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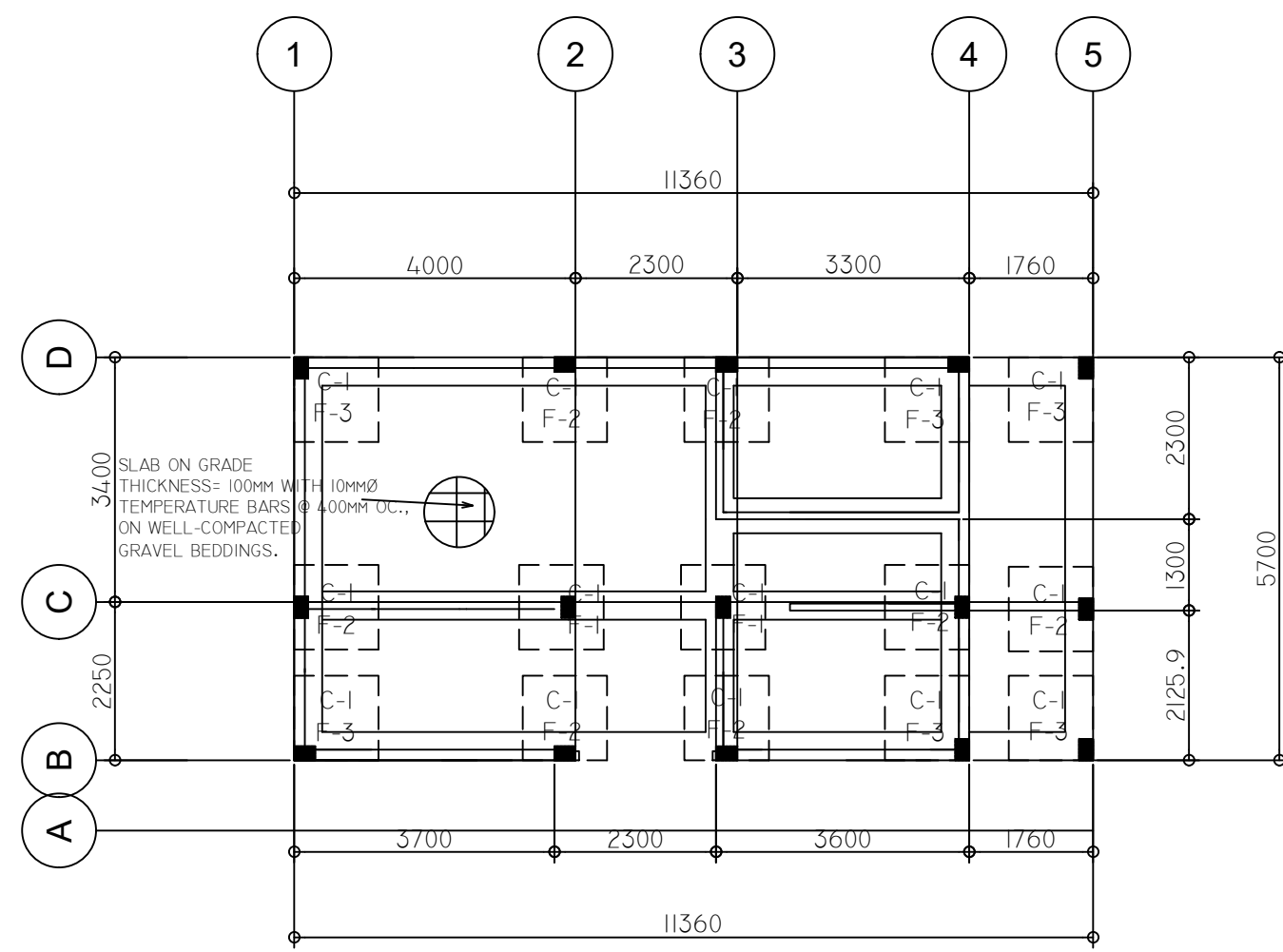
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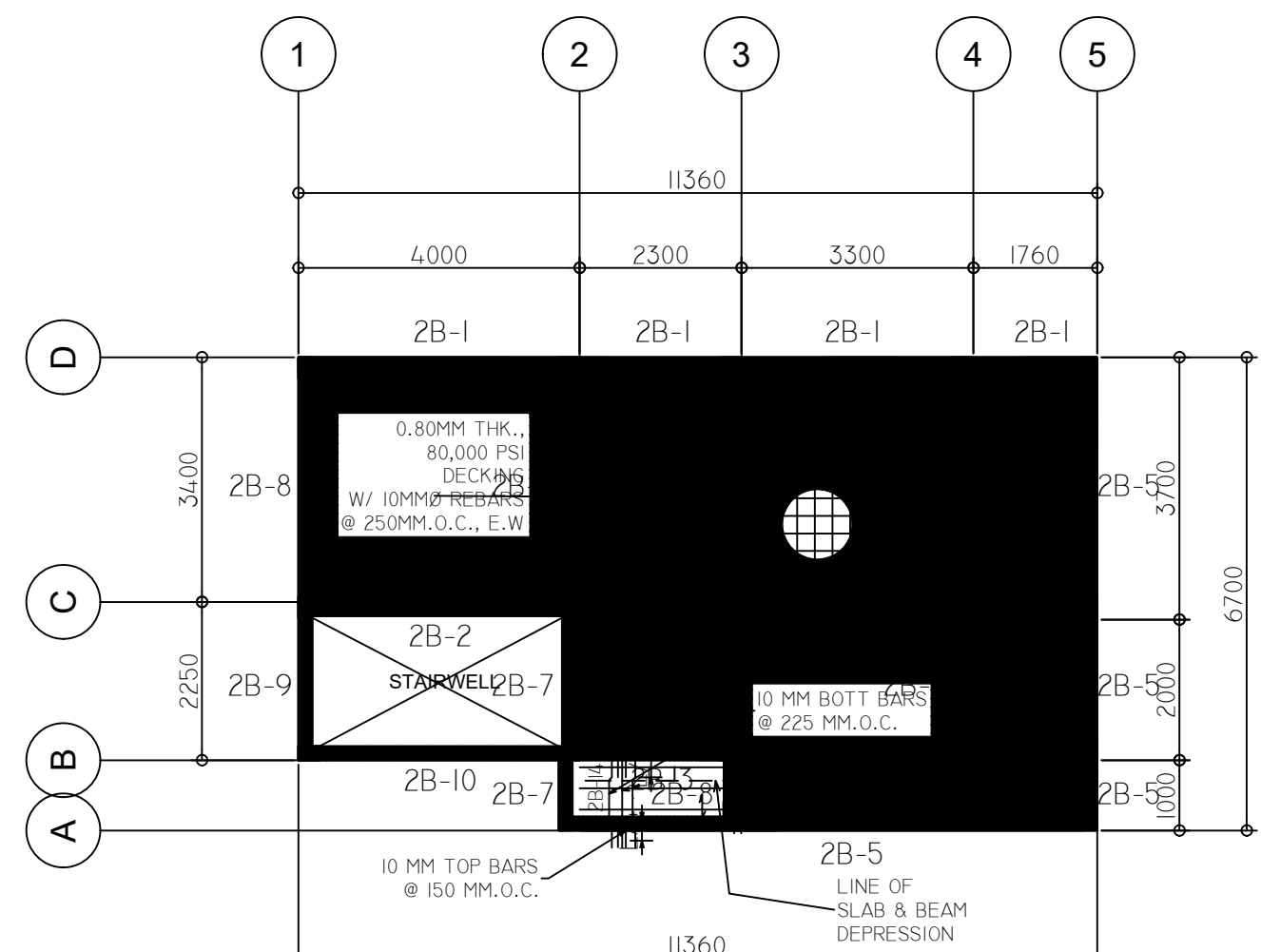
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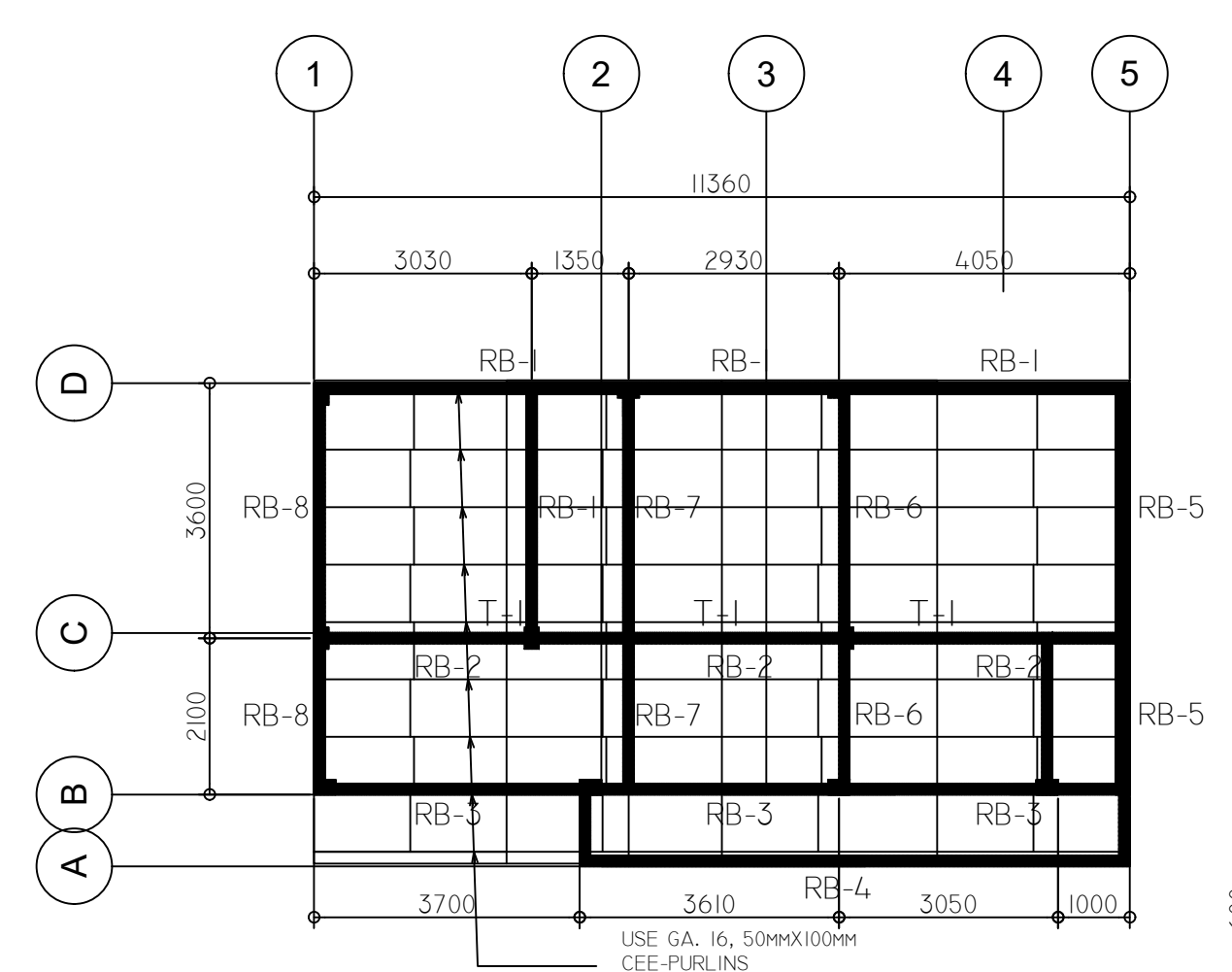
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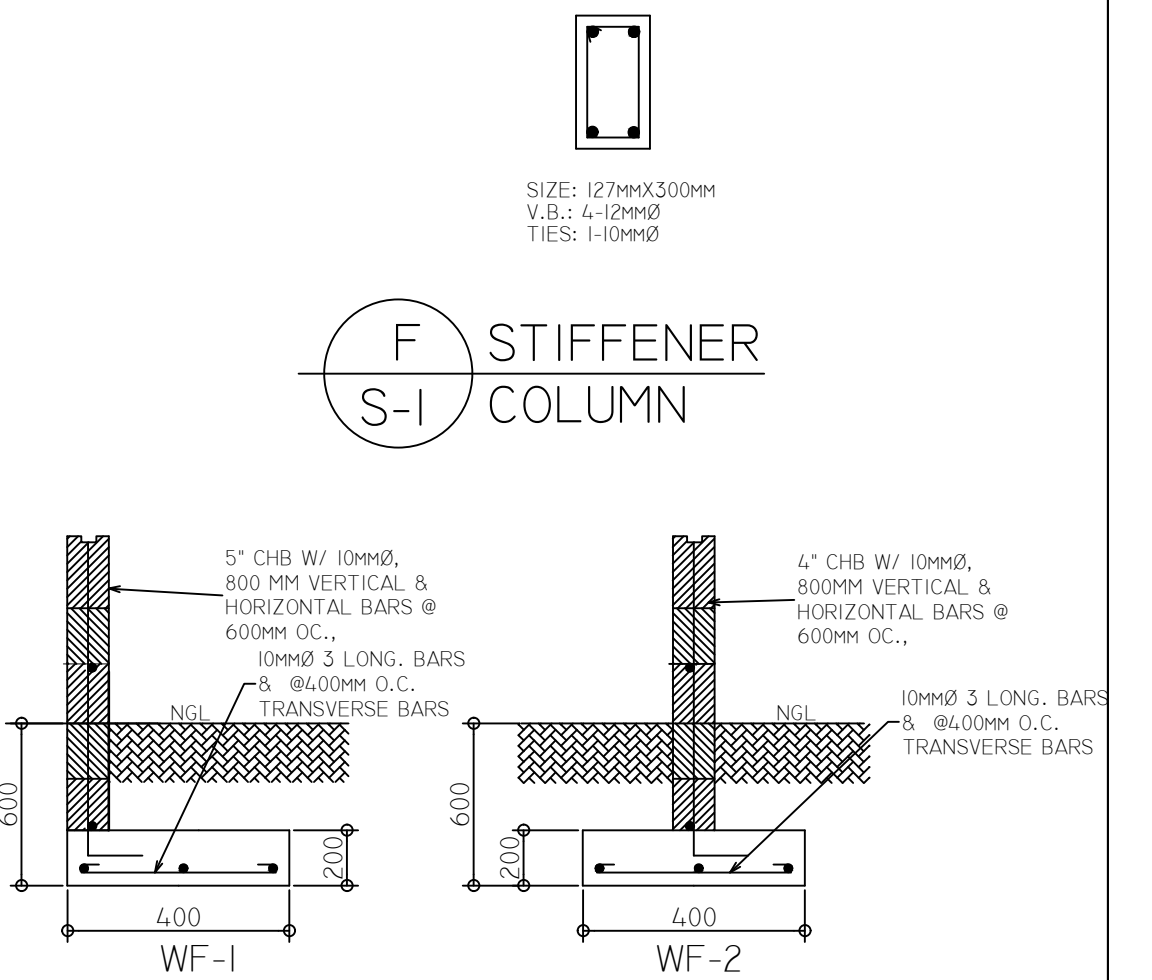
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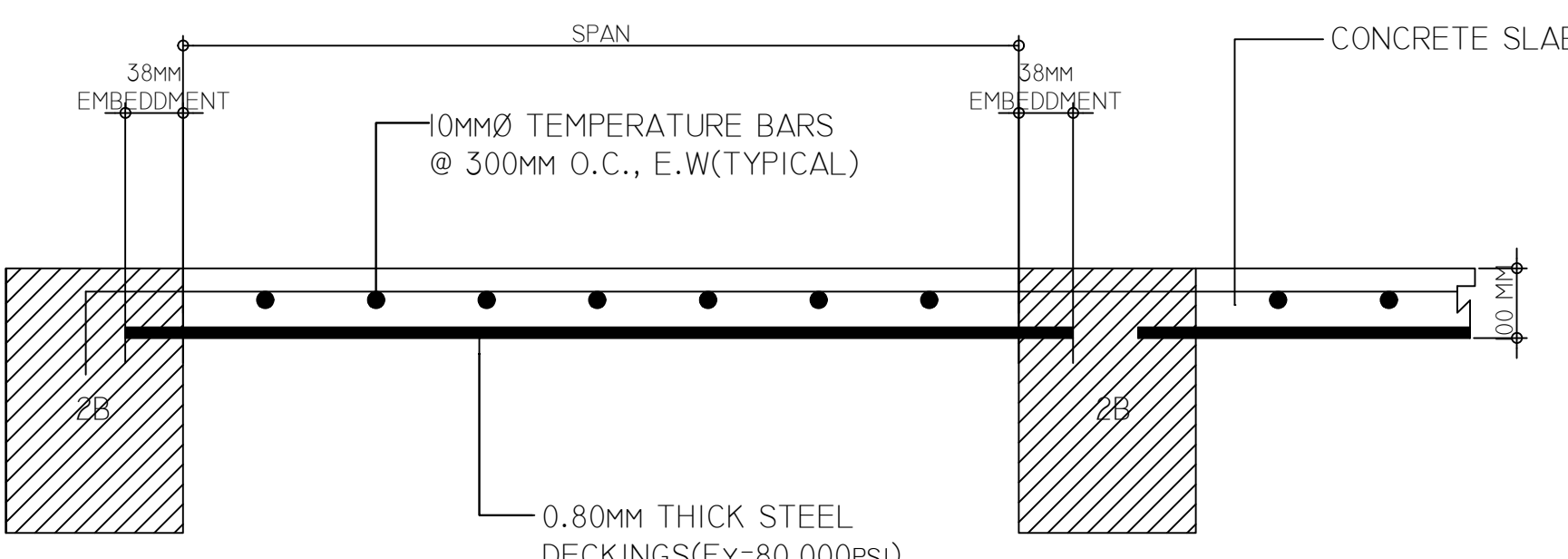
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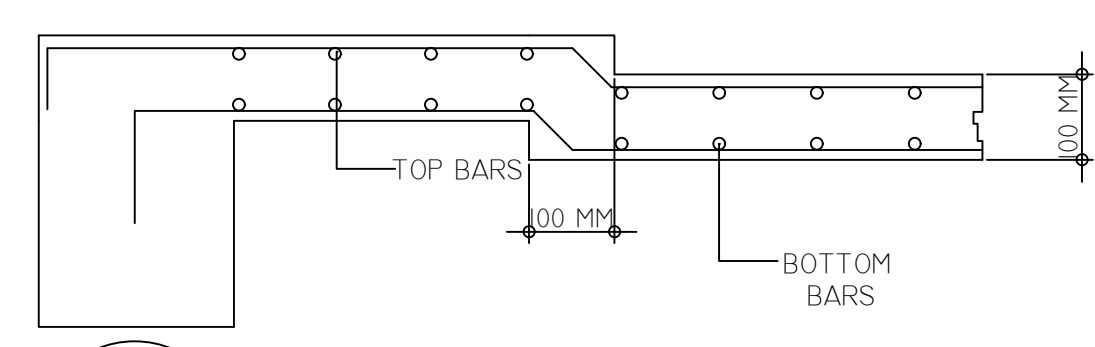
3 ROOF FRAMING PLAN
S-I SCALE 1:100M



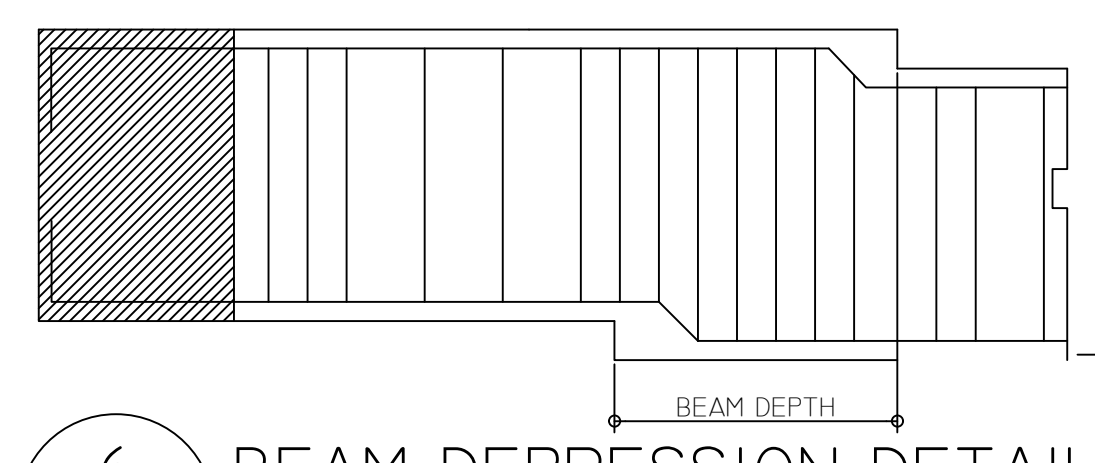
4 WALL FOOTING DETAILS
S-I



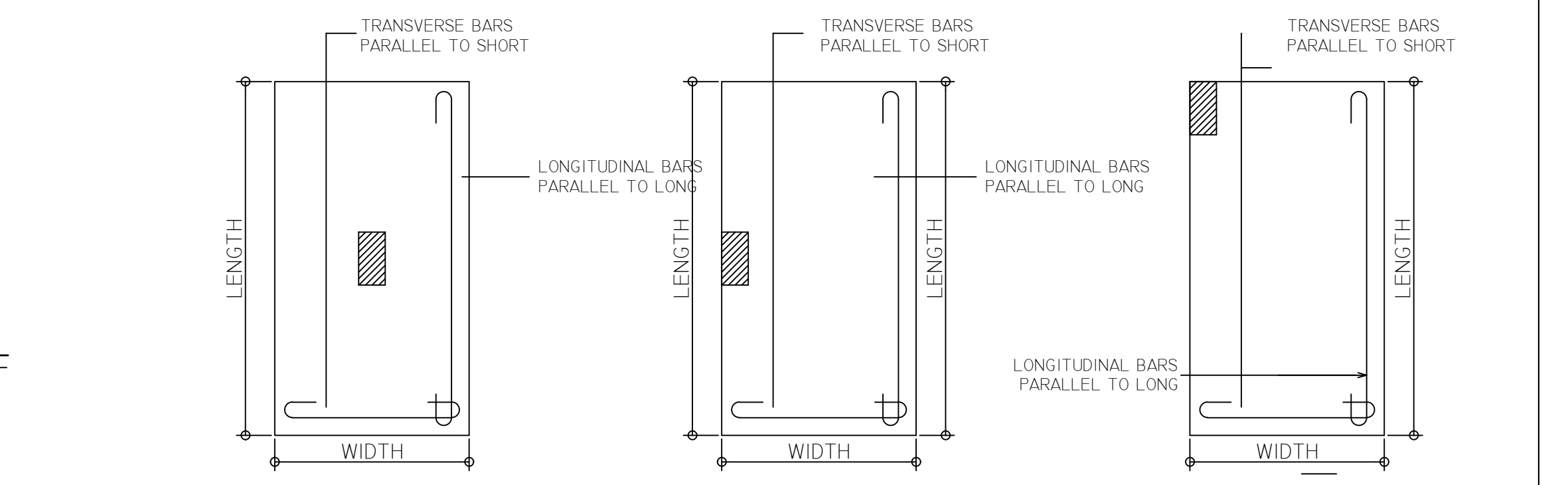
4 STEEL DECKING CONNECTION DETAIL
S-I



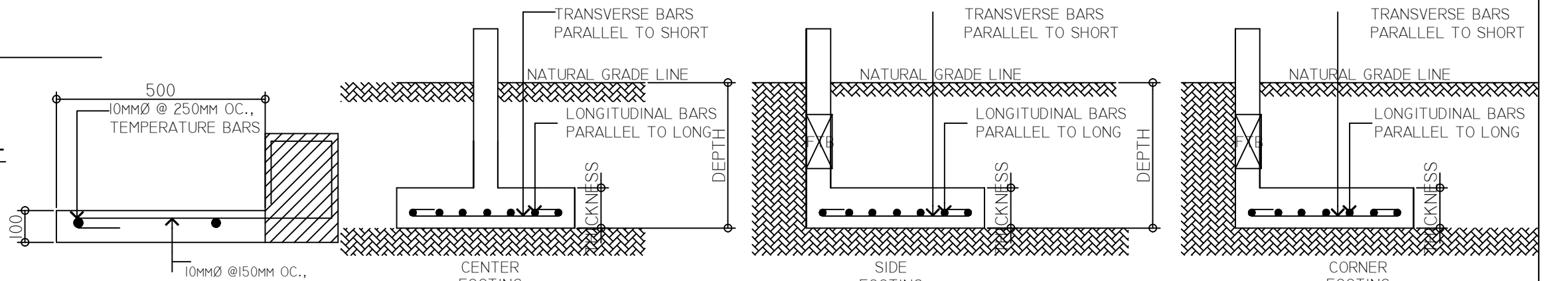
4 SLAB DEPRESSION DETAIL
S-I



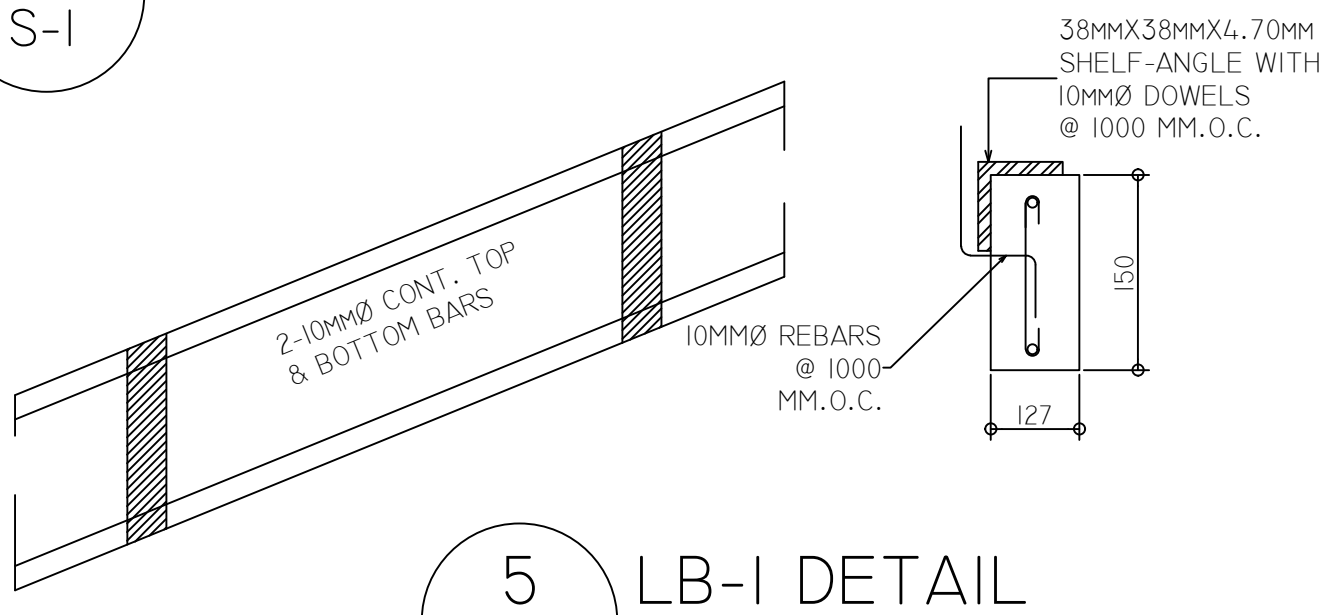
6 BEAM DEPRESSION DETAIL
S-I



8 TYPICAL FOOTING DETAIL
S-I



7 CS-I DETAIL
S-I



5 LB-I DETAIL
S-I

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CLIENT NAME & ADDRESS

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PROJECT NO: SCALE: SHEET SIZE: A1

DRAWING NO: SHEET NO: 4 OF 5

REVISION: PROJECT NO:

A

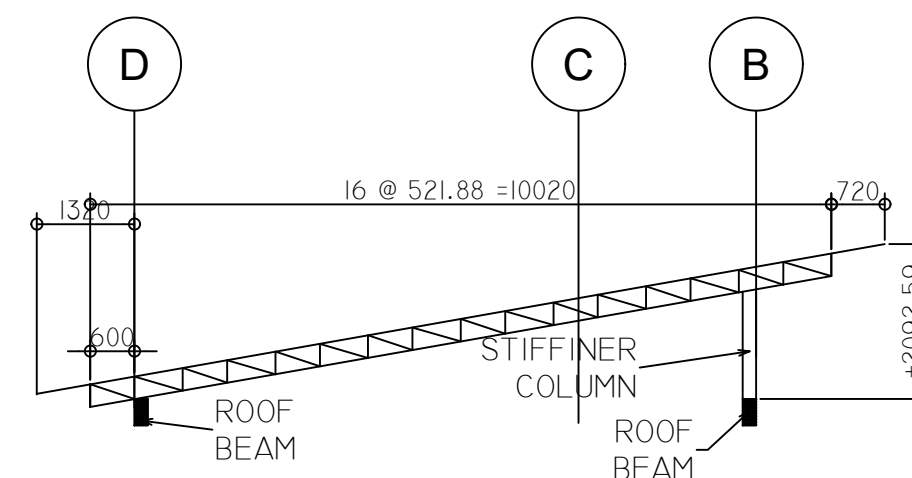
SCHEDULE OF BEAMS AND GIRDERS

S-2

STIRRUPS AA (10MMØ): 2@50MM, 3@100MM, 4@150MM, REST @ 250MM OC.
STIRRUPS A (10MMØ): 4@50MM, 3@100MM, 2@150MM, REST @ 250MM OC.

MARK	REINFORCEMENTS						DIMENSION BXD	STIRRUPS
	LEFT SUPPORT		MIDSPAN		RIGHT SUPPORT			
	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM		
SECOND FLOOR BEAMS								
2B-1	4Ø12	3Ø12	3Ø12	6Ø12	4Ø12	3Ø12	200MMX450MM	AA
2B-2	3Ø12	2Ø12	2Ø12	4Ø12	3Ø12	2Ø12	200MMX450MM	AA
2B-3	4Ø12	3Ø12	4Ø12	4Ø12	8Ø12	3Ø12	200MMX450MM	AA
2B-4	3Ø12	2Ø12	2Ø12	4Ø12	3Ø12	2Ø12	200MMX450MM	AA
2B-5	3Ø12	2Ø12	2Ø12	6Ø12	6Ø12	2Ø12	200MMX450MM	AA
2B-6	4Ø12	3Ø12	3Ø12	8Ø12	4Ø12	3Ø12	200MMX450MM	AA
2B-7	4Ø12	3Ø12	3Ø12	8Ø12	4Ø12	3Ø12	200MMX450MM	AA
2B-8	9Ø16	3Ø16	9Ø16	3Ø16	9Ø16	3Ø16	200MMX450MM	AA
2B-9	4Ø12	4Ø12	4Ø12	6Ø12	4Ø12	4Ø12	200MMX450MM	AA
2B-10	4Ø12	2Ø12	2Ø12	4Ø12	4Ø12	2Ø12	200MMX450MM	AA
ROOF BEAMS								
RB-1	3Ø12	2Ø12	2Ø12	4Ø12	3Ø12	2Ø12	150MMX350MM	A
RB-2	3Ø12	2Ø12	2Ø12	3Ø12	3Ø12	2Ø12	150MMX350MM	A
RB-3	3Ø12	2Ø12	2Ø12	4Ø12	4Ø12	2Ø12	150MMX350MM	A
RB-4	4Ø12	2Ø12	2Ø12	6Ø12	4Ø12	2Ø12	150MMX350MM	A
RB-5	3Ø12	2Ø12	2Ø12	4Ø12	6Ø12	2Ø12	150MMX350MM	A
RB-6	3Ø12	2Ø12	2Ø12	3Ø12	3Ø12	2Ø12	150MMX350MM	A
RB-7	3Ø12	2Ø12	2Ø12	4Ø12	6Ø12	2Ø12	150MMX350MM	A
RB-7	3Ø12	2Ø12	2Ø12	4Ø12	6Ø12	2Ø12	150MMX350MM	A

- NOTE: 1. ANY DEVIATIONS OR DISCREPANCY FOUND IN THE PLANS OR SPECIFICATION SHALL BE CONSULTED TO THE DESIGNING ARCHITECT OR STRUCTURAL / CIVIL ENGINEER BEFORE PROCEEDING TO THE CONSTRUCTION.
2. VERIFY ARCHITECTURAL DIMENSION PRIOR TO CONSTRUCTION.
3. ANY DISCREPANCY TO STRUCTURAL & ARCHITECTURAL SHALL BE CONSULTED TO THE DESIGNING ARCHITECT FOR VERIFICATION.



D TRUSS T-1 DETAIL
S-2

NOTES:
VERIFY DIMENSION PRIOR TO FABRICATION
TOP CHORDS=1Z-38MMX38MMX4MM
BOTTOM CHORDS=1Z-38MMX38MMX4MM
WEB MEMBERS=1Z-38MMX38MMX4MM

B
S-2

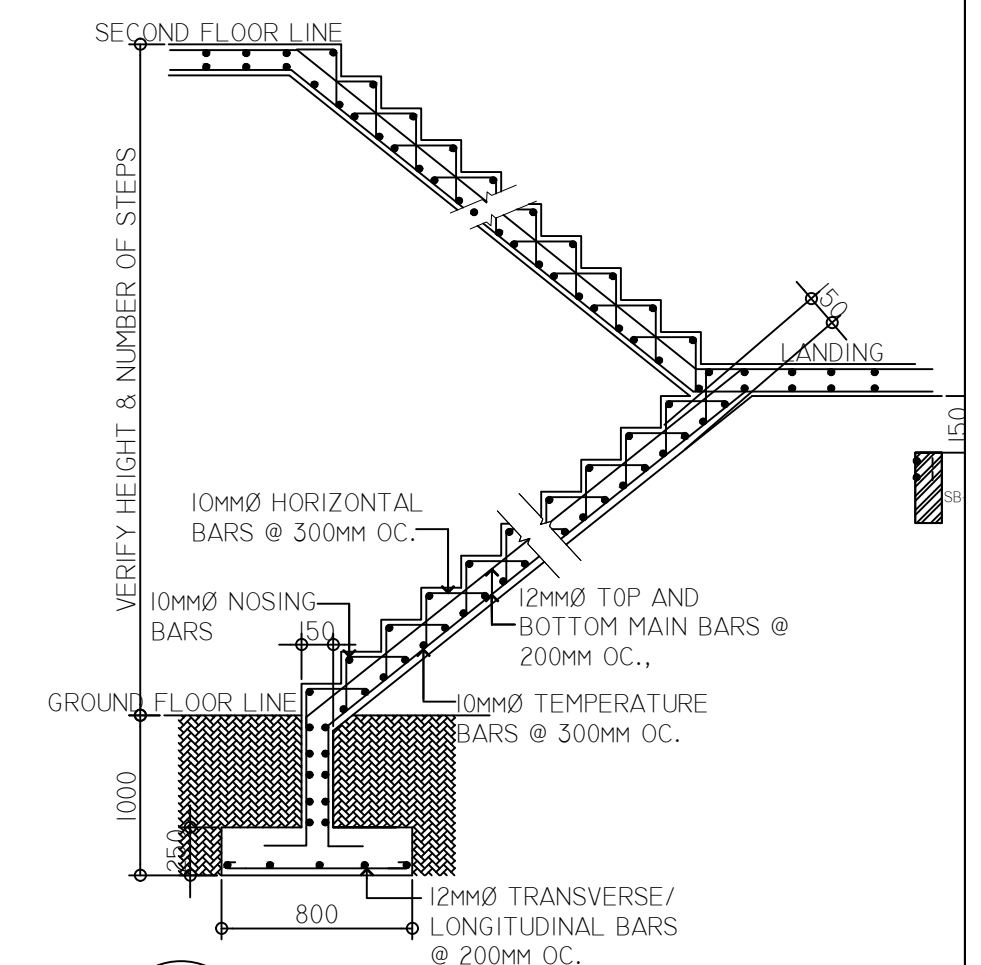
SCHEDULE OF FOOTINGS

MARK	THICKNESS		DIMENSION		BOTTOM BARS		DEPTH	REMARKS
	T1	T2	WIDTH	LENGTH	PARALLEL TO SHORT	PARALLEL TO LONG		
	MM	MM	MM	MM			MM	
F-1	300	300	1200	1200	9-12MMØ	9-12MMØ	1200	CENTER FOOTING
F-2	300	300	1200	1200	9-12MMØ	9-12MMØ	1200	SIDE FOOTING
F-3	300	300	1200	1200	9-12MMØ	9-12MMØ	1200	CORNER FOOTING

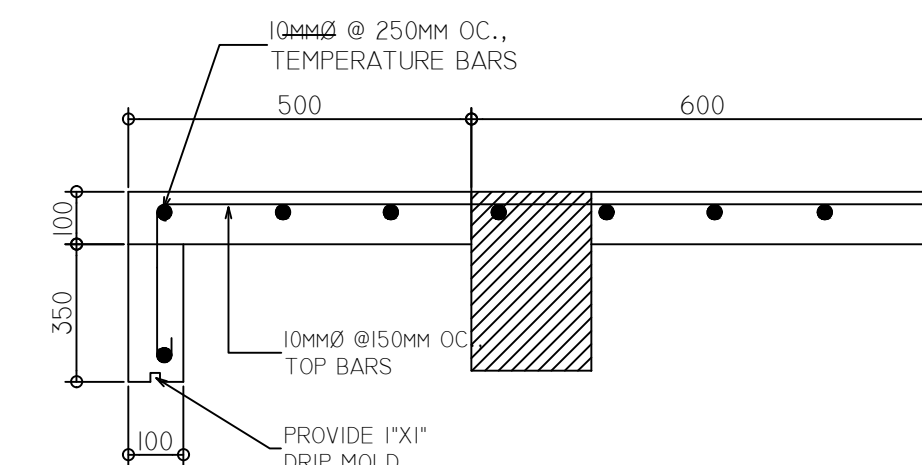
C COLUMN SCHEDULE
S-2

	C-1	C-2	C-3	C-4
2ND FLR TO ROOF				
	SIZE: 150MMX400MM	SIZE: 150MMX300MM		SIZE: 150MMX300MM
	V.B.: 6-12MMØ	V.B.: 4-12MMØ		V.B.: 4-12MMØ
FOUNDATION TO 2ND FLR				
	SIZE: 150MMX500MM	SIZE: 150MMX400MM	SIZE: 200MMX400MM	
	V.B.: 8-16MMØ	V.B.: 6-16MMØ	V.B.: 8-16MMØ	

NOTE: 1. NO PIPE SHALL BE EMBEDDED INSIDE ANY COLUMN.
2. USE 10MMØ TIES SPACED AT 4 @ 50MM, 4 @ 100MM, 2 @ 150MM REST @ 200MM OC.



F STAIR DETAIL
S-2



E CS-2 DETAIL
S-2

REPUBLIC ACT 9266

Sec. 33. Ownership of Plans, Specifications, and Other Contract Documents.

Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the Architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole, without the written consent of Architect or author of said documents.

PROJECT NAME:
PROPOSED EXTENSION

DRAWING TITLE:
AS SHOWN

DRAWN BY: _____ CHECKED BY: _____ APPROVED BY: _____ DATE: _____

CLIENT NAME & ADDRESS

CHECKED AND VERIFIED BY :

PROJECT NO: _____ SCALE: _____ SHEET SIZE: **A1**

DRAWING NO: _____ SHEET NO: **5 OF 5**

REVISION: _____ PROJECT NO: _____