

GENERAL NOTES:

- I. GENERAL**
- MATERIALS AND WORKMANSHIP TO CONFORM TO THE "GUIDE DE BONNES PRATIQUES POUR LA CONSTRUCTION DE PETITS BATIMENTS EN MACONNERIES CHAINEE EN HAITI" (MTPC GUIDE) AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 - DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE ENGINEER.
 - DETAILS ON SHEETS TITLED "TYPICAL DETAILS" APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. SUCH DETAILS ARE NOT NOTED AT EACH LOCATION THAT THEY OCCUR.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR CHECKING DIMENSIONS. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.
 - DO NOT SCALE THE DRAWINGS.
 - PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN A REGISTERED CIVIL ENGINEER WHO IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC. VISITS TO THE SITE BY THE ENGINEER WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.
 - INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
 - REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF FLOOR, ROOF AND WALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE THE SIZE AND LOCATION OF OPENINGS ASSOCIATED WITH, BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL AND PLUMBING TRADES. SUBMIT FINAL SIZING AND LOCATION REQUIREMENTS OF OPENINGS TO THE OWNER'S REPRESENTATIVE FOR REVIEW.
 - REFERENCE DATUM FOR THE ELEVATIONS IS FINISH FIRST FLOOR, ELEVATION = +321.00 ABOVE MEAN SEA LEVEL.
 - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH THIS WORK.

II. FOUNDATION AND SITE WORK

- IN ACCORDANCE WITH THE MTPC GUIDE, SITE PREPARATION AND FOUNDATION WORK SHALL CONFORM TO THE FOLLOWING:
 - CLEAR THE SITE OF ORGANIC DEBRIS PRIOR TO LEVELING THE SOIL.
 - BACKFILL CAVITIES WITH LAYERS OF SAND OR GRAVEL IN LIFTS OF 30CM MAX AND COMPACT WITH A MANUAL OR VIBRATING COMPACTOR.
 - LAYOUT THE FOUNDATION GEOMETRY AND LOCATION USING ROPES AND STAKES, OR A LINE OF LIME ON THE GROUND.
 - FOUNDATION TRENCHES SHALL BE CONSTRUCTED WITH THE FOLLOWING REQUIREMENTS:
 - MARK THE FOUNDATION TRENCH LOCATIONS WITH LIME.
 - TRENCHES SHALL BE FREE FROM ORGANIC MATTER.
 - EXCAVATE TO PROVIDE STRAIGHT LENGTHS OF FOUNDATION TRENCH WALLS FOR AS LONG AS POSSIBLE.
 - THE BOTTOM OF THE TRENCH MUST BE LEVEL, CLEAN AND FREE OF LOOSE SOIL.

E. STONE MASONRY FOUNDATIONS SHALL BE CONSTRUCTED WITH THE FOLLOWING REQUIREMENTS:

- WET TRENCHES WITH CLEAN WATER BEFORE POURING THE CONCRETE.
- MORTAR FOR STONE MASONRY SHOULD NEVER FALL FROM A HEIGHT OF MORE THAN 0.9 M WHEN BEING POURED.
- WET THE STONE IN THE TRENCH PRIOR TO PLACING THE MORTAR.
- DO NOT PLACE STONES GREATER THAN 0.3M IN SIZE AT THE VERTICAL TIE LOCATIONS.

2. LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION.

3. REMOVE ABANDONED FOOTINGS, UTILITIES, ETC. WHICH INTERFERE WITH NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.

4. NOTIFY THE OWNER'S REPRESENTATIVE IF ANY BURIED STRUCTURES NOT INDICATED, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., ARE FOUND.

5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.

6. REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE.

7. PLACE BACKFILL BEHIND RETAINING WALLS AFTER CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH. BRACE BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHED FLOORS AND SLABS ON GRADE ARE COMPLETE AND HAVE ATTAINED FULL DESIGN STRENGTH.

III. SUBMITTALS

1. SUBMIT VERIFICATION OF THE FOLLOWING TO THE ENGINEER FOR REVIEW.

2. CONCRETE REINFORCING STEEL:

A. SUPPLIER AND MATERIAL GRADE

3. CAST-IN-PLACE CONCRETE:

A. NAME AND LOCATION OF CEMENT, SAND AND AGGREGATE SUPPLIERS.

B. TYPE OF CEMENT, SAND AND AGGREGATE TO BE USED.

4. UNIT MASONRY:

A. SUBMIT NAME AND LOCATION OF BLOCK MANUFACTURER.

B. SUBMIT (3) BLOCK SAMPLES FOR TESTING FOR EVERY (1000) BLOCKS DELIVERED TO THE SITE.

5. METAL DECKING:

A. NAME AND LOCATION OF METAL DECK SUPPLIER.

B. TYPE OF METAL DECK TO BE USED.

IV. FORMWORK

1. IN ACCORDANCE WITH THE MTPC GUIDE:

A. WET ALL FORMWORK IMMEDIATELY BEFORE PLACING CONCRETE.

B. INSTALL FORMWORK AT THE VERTICAL TIES AFTER THE WALL CONSTRUCTION IS COMPLETE AND USE A WIRE PLUMB TO CHECK THAT THE FORMWORK IS INSTALLED CORRECTLY.

C. FORMWORK BELOW SLABS TO CONSIST OF 3/4" PLYWOOD OR 1" THICK BOARDS MINIMUM BELOW EACH FLOOR BEAM. THE PANELS OR BOARDS SHALL BE SUPPORTED BELOW BY 2X4 WOOD BEAMS SPACED AT 75CM MAXIMUM. SUPPORT EACH WOOD BEAM WITH METAL POSTS, 2X4 WOOD POSTS OR 6CM MINIMUM DIAMETER WOOD LOGS AT 90CM MAXIMUM SPACING. PROVIDE SHIMS AT THE POST BASES AS REQUIRED FOR STABILITY.

D. USE BRACES AS REQUIRED TO MAINTAIN ALL FORMWORK FIRMLY IN THE CORRECT POSITION.

E. DO NOT REMOVE FORM WORK SOONER THAN THE TIMES INDICATED BELOW AFTER CASTING THE CONCRETE:

1. VERTICAL TIES AND HORIZONTAL RING BEAMS: TWO DAYS

2. SUSPENDED SLABS: FOURTEEN DAYS

F. REPAIR ALL VOIDS IN CONCRETE WITHIN (3) DAYS AFTER FORMS ARE REMOVED AS FOLLOWS:

1. VOIDS THAT LEAVE REINFORCING STEEL EXPOSED - CHIP OUT CONCRETE AROUND REINFORCING BARS AND SCRAPE BARS CLEAN OF CONCRETE. RE-POUR CONCRETE SO THAT NO VOIDS ARE FORMED.

2. SMALL VOIDS WITH NO REINFORCING STEEL EXPOSED - FILL VOIDS WITH MORTAR.

V. REINFORCING STEEL

- ALL REINFORCING STEEL TO BE DEFORMED BAR UNLESS OTHERWISE NOTED.
- REINFORCING TO HAVE A MINIMUM STRENGTH OF 40 KSI OR 276 MPA
- TERMINATE REINFORCING STEEL IN STANDARD HOOKS, UNLESS OTHERWISE SHOWN.
- PROVIDE REINFORCING SHOWN OR NOTED CONTINUOUS IN LENGTHS AS LONG AS PRACTICABLE.
- PROVIDE MEASURES NECESSARY AS RECOMMENDED IN THE MTPC GUIDE TO STABILIZE REINFORCING STEEL ASSEMBLIES PRIOR TO PLACING CONCRETE.

VI. CAST-IN-PLACE CONCRETE

- PROPORTION, MIX, TRANSPORT AND PLACE CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH THE MTPC GUIDE.
- AT LOCATIONS WHERE BLOCK WILL BE PLACED ABOVE CONCRETE, SCRAPE THE TOP SURFACE OF ALL HORIZONTAL BEAMS AFTER CASTING TO PROVIDE A ROUGHENED SURFACE.
- AT LOCATIONS WHERE CONCRETE IS CAST AGAINST MASONRY, WET BLOCKS PRIOR TO PLACEMENT AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.
- FABRICATE AND USE SPACER BLOCKS AS REQUIRED BY THE MTPC GUIDE, INCLUDING:
 - 8CM SPACERS AT THE BASE OF VERTICAL TIES AND COLUMNS
 - 3CM SPACERS AT ALL FOUR SIDES OF THE PLINTH BEAM.
 - 2.5CM SPACERS AT THE BASE AND SIDES OF INTERMEDIATE AND RING BEAMS, AT THE BASE OF FLOOR SLAB BEAMS, BELOW SLAB REINFORCING AND AT THE SIDES OF VERTICAL TIES.
- MIX DESIGN PROPORTIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

USE	CEMENT	SAND	AGGREGATE	WATER
CONCRETE	1 PART	2 PARTS	3 PARTS	1 PART
MORTAR	1 PART	4 PARTS		1 PART

6. AFTER REMOVING FORMS, CURE THE CONCRETE BY WETTING THREE TIMES PER DAY FOR SEVEN DAYS.

VII. CONCRETE MASONRY

- CONSTRUCT CONCRETE MASONRY IN ACCORDANCE WITH THE MTPC GUIDE.
- BLOCKS TO BE SUPPLIED BY AN APPROVED MANUFACTURER. MANUFACTURER SHALL SUBMIT BLOCK COMPRESSION TESTING DATA TO DEMONSTRATE THAT BLOCKS PRODUCED CONSISTENTLY MEET THE REQUIRED COMPRESSIVE STRENGTH.
- MORTAR: FIRST MIX SAND AND CEMENT AND THEN ADD WATER.
- WET BLOCKS WITH CLEAN WATER PRIOR TO PLACING.
- DO NOT USE DAMAGED BLOCKS.

VIII. METAL DECKING

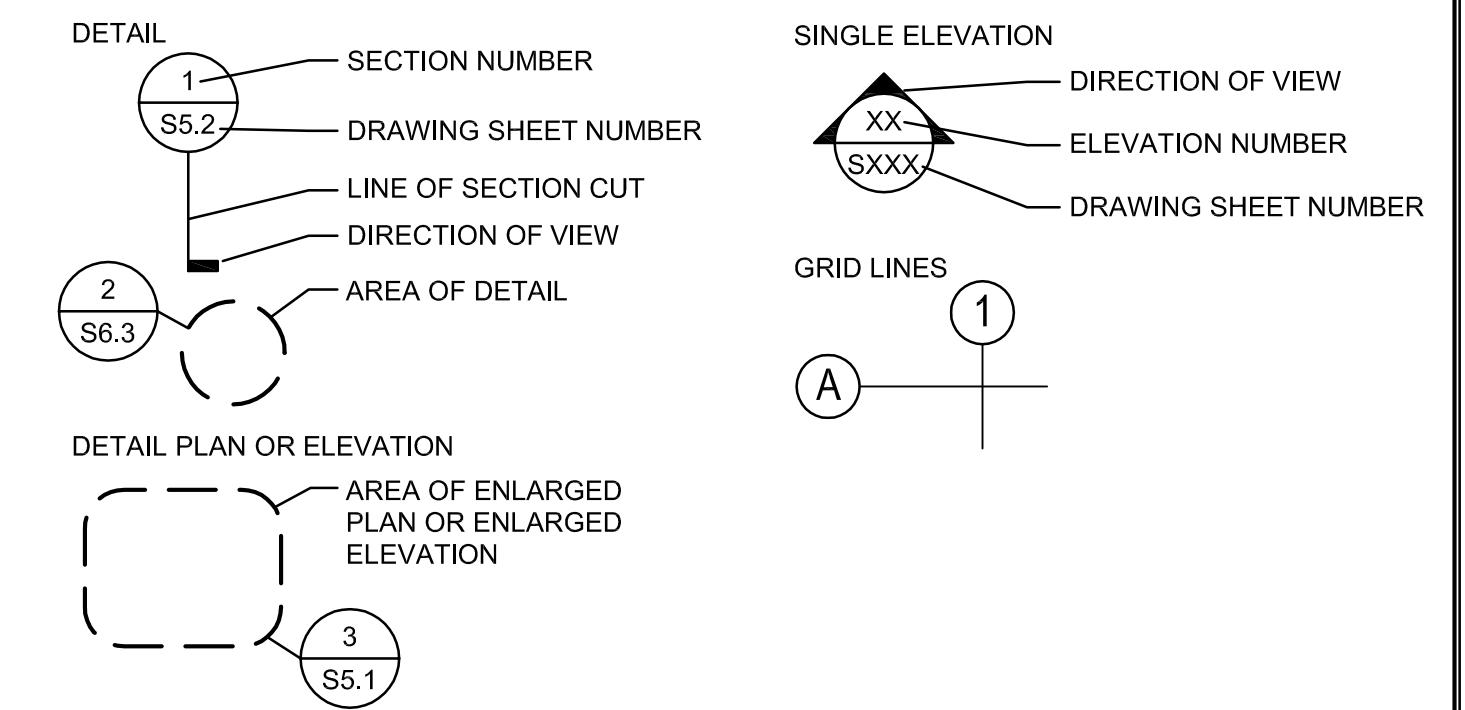
- METAL DECK TO BE 26 GAUGE (0.478 MM) CGI OR THICKER.
- INSTALL DECKING WITH RIBS ORIENTED PERPENDICULAR TO THE PURLINS

IX. ROUGH CARPENTRY

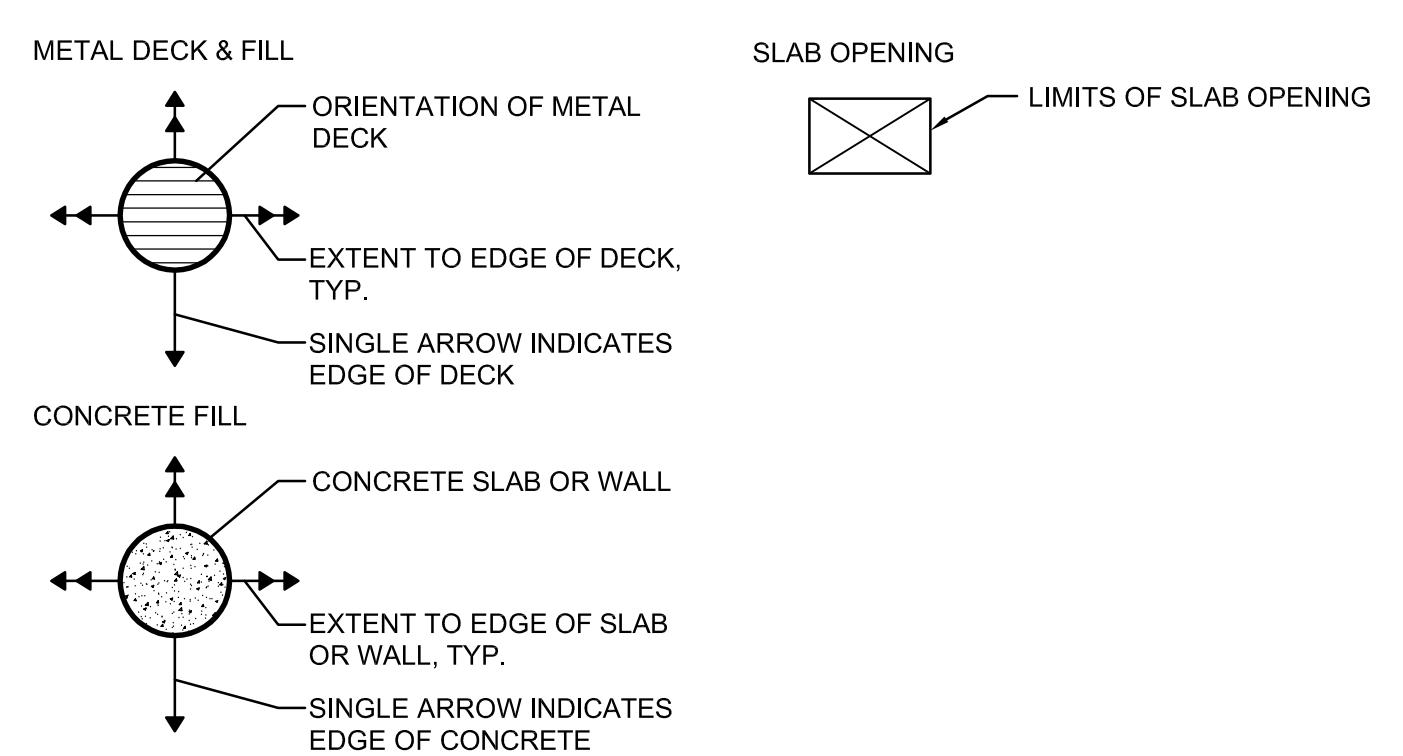
- FRAMING LUMBER: SOUTHERN YELLOW PINE, GRADE: NO. 2, OR APPROVED EQUAL.
- ROUGH HARDWARE:
 - NAILS: COMMON WIRE (ASTM F1667)
 - SHEET METAL STRAPS: 1 1/2"X18 GA WITH (3) 1/2" NAILS EACH SIDE MIN. TO WOOD MEMBER

SYMBOLS:

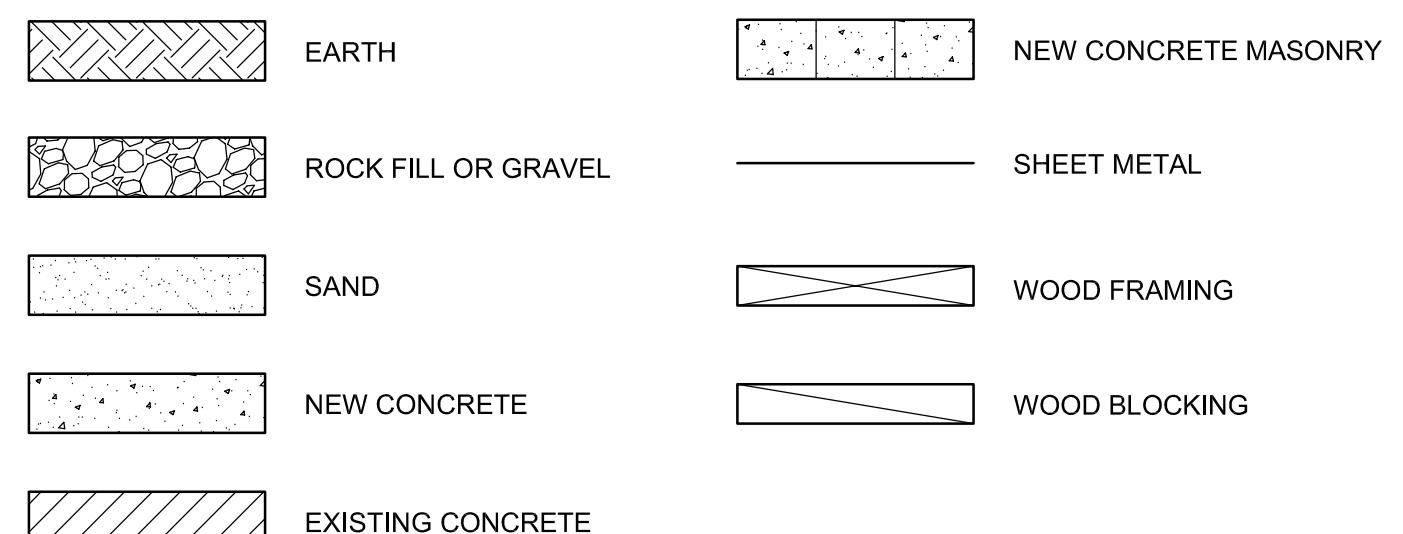
REFERENCE SYMBOLS



PLAN SYMBOLS



MATERIAL SYMBOLS



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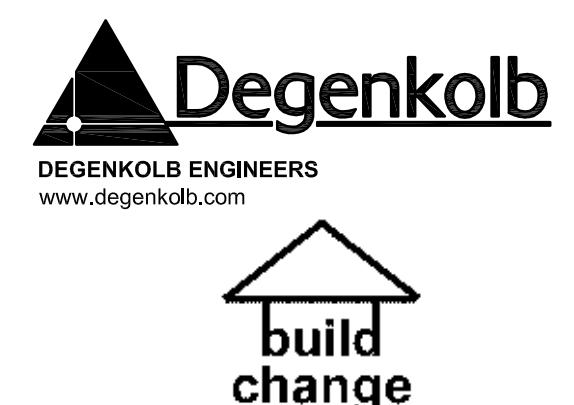
GENERAL NOTES

Date: 13 août 2012

Révisions:
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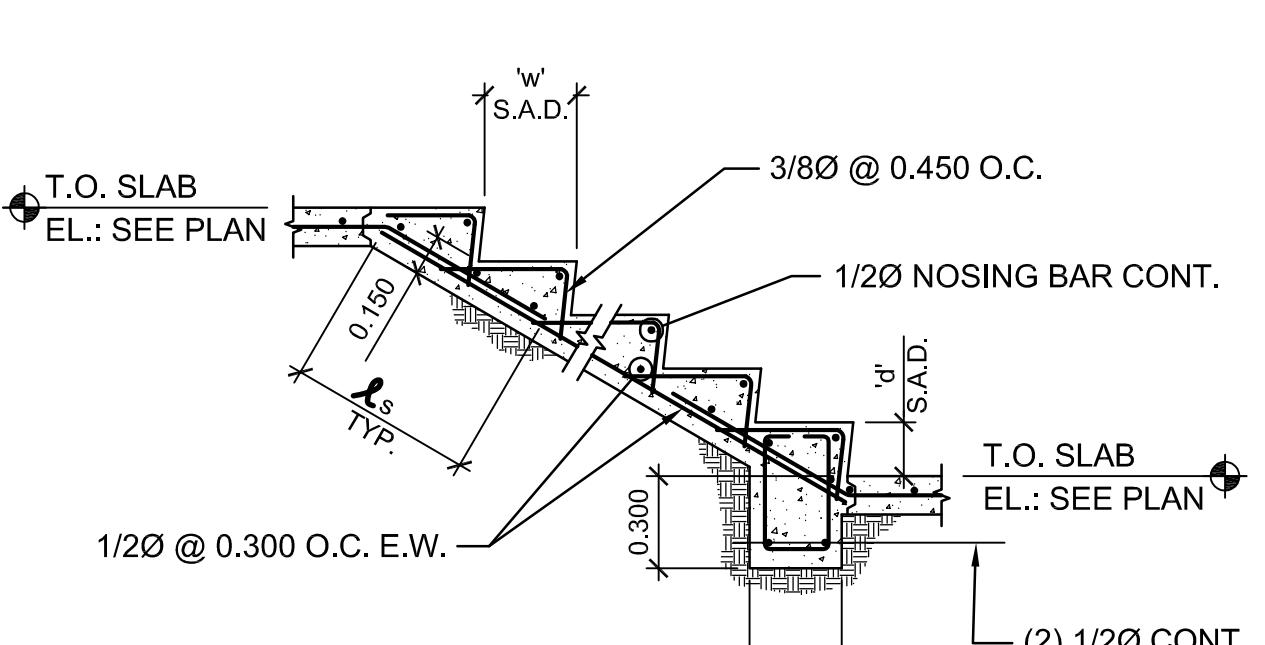
TYPICAL DETAILS

CONCRETE CONSTRUCTION

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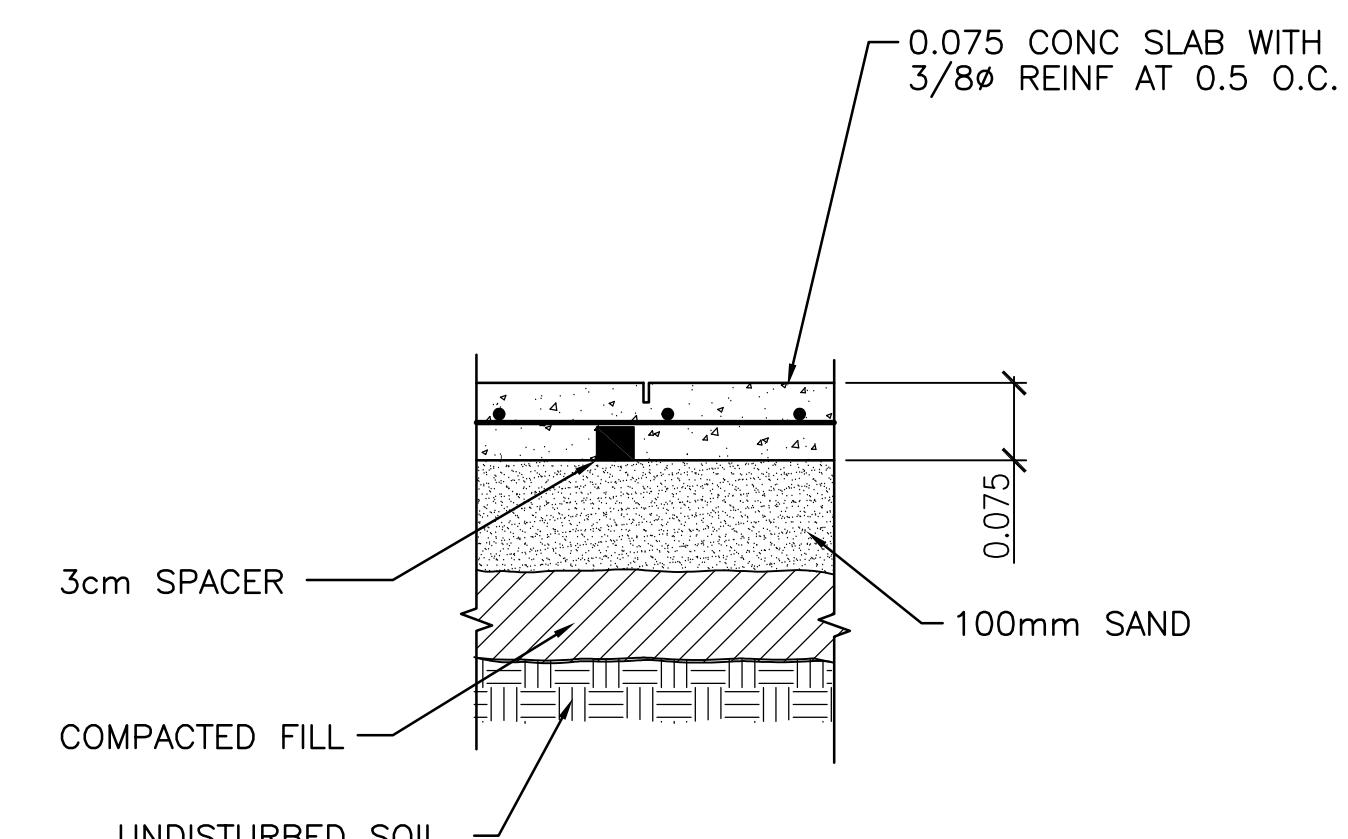
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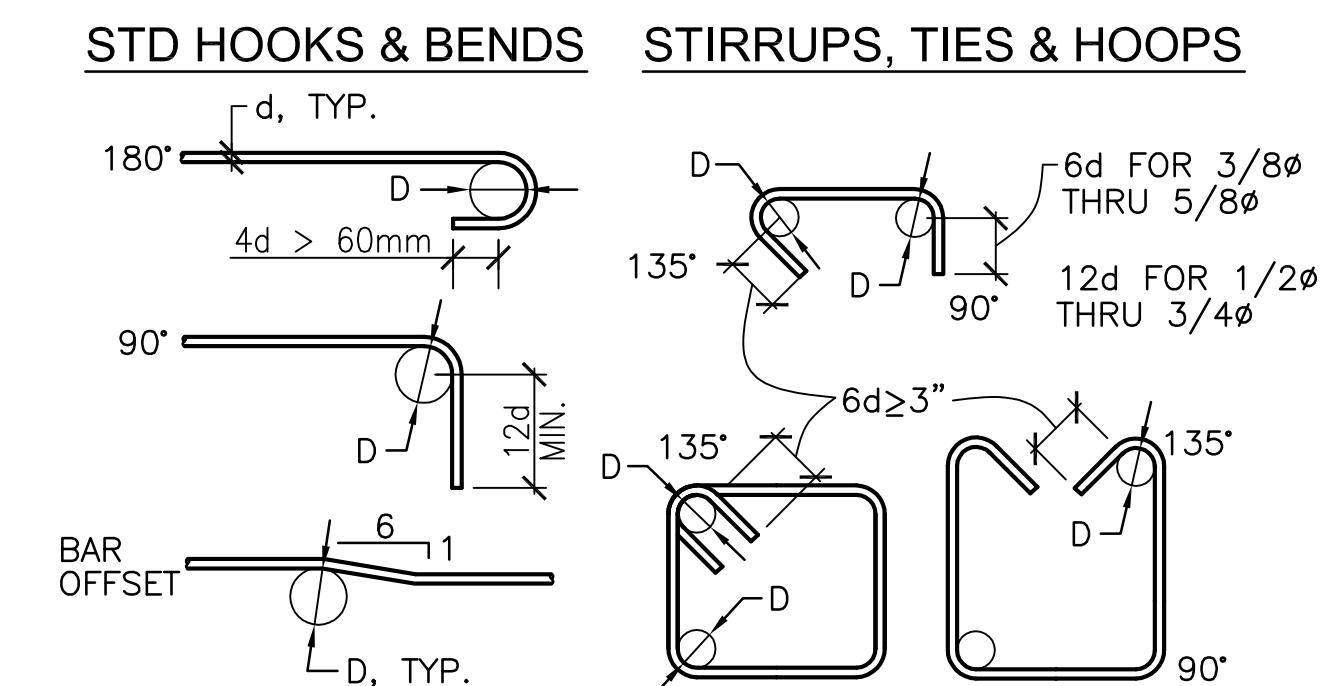
7 STAIR ON GRADE

N.T.S.



**4 SLAB ON GRADE CONTROL JT.
& SUBGRADE PREPARATION**

N.T.S.

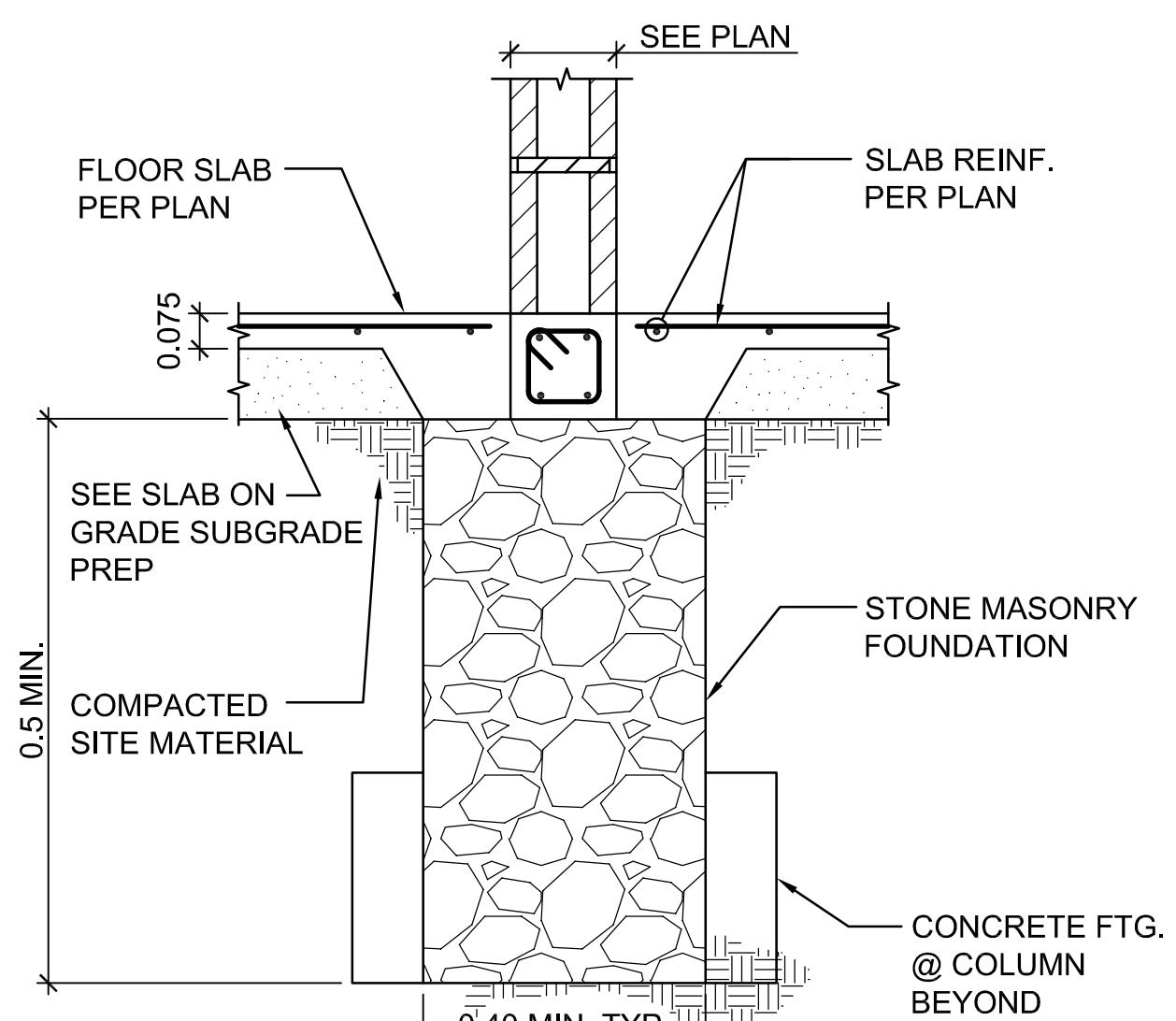


NOTE:
1. DO NOT FIELD BEND REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE.

BEND DIAMETER, D		
BAR SIZE	STD HOOKS & BENDS	STIRRUPS, TIES & HOOPS
3/8Ø THRU 5/8Ø	6d	4d
3/4Ø THRU 1Ø	6d	6d

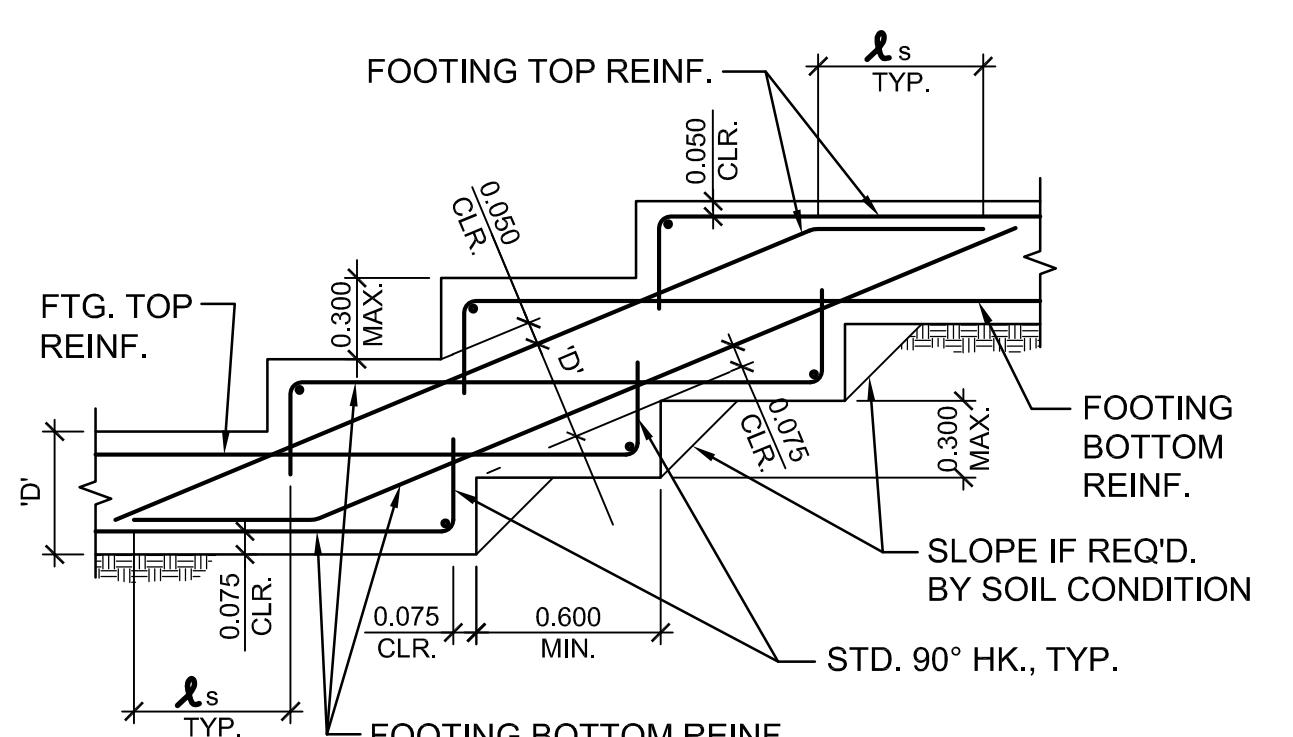
1 HOOKS & BENDS

N.T.S.



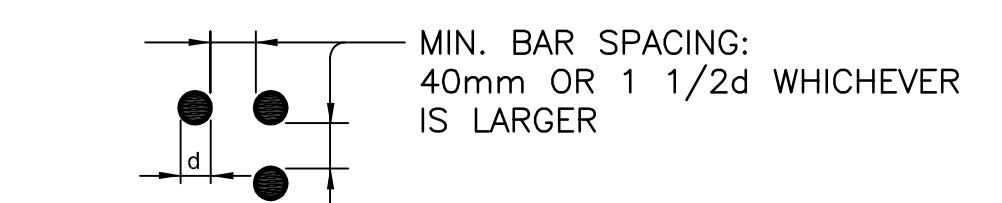
**8 TYP. CONFINED
MASONRY WALL FOOTING**

N.T.S.

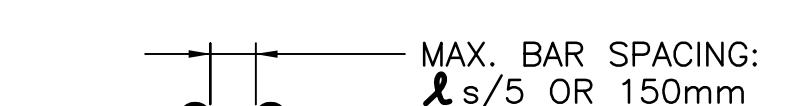


5 STEPPED FOOTING

N.T.S.



(A) BAR SPACING FOR NON-SPliced BARS



**(B) BAR SPACING FOR BARS SPliced
WITH A NON-CONTACT LAP**

2 BAR SPACING IN CONCRETE

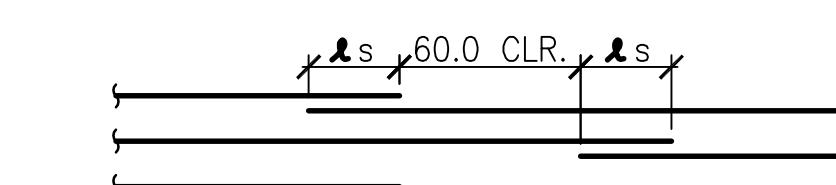
N.T.S.

CONCRETE REINFORCING DEVELOPMENT & SPLICE LENGTHS (cm)														
BAR LOCATION	CONCRETE		BAR SIZE											
	1/4Ø	3/8Ø	1/2Ø	5/8Ø	1/4Ø	3/8Ø	1/2Ø	5/8Ø	1/4Ø	3/8Ø				
CONC. WALL VERT. REINF., COLUMNS, BEAM BOT. REINF., SLAB ON GRADE FOOTING BOT. REINF.	NWC		45	60	25	45	60	25	45	60	25	70	90	40
CONC. WALL HORIZ. REINF., FTC. TOP & SIDE REINF., BEAM TOP & SIDE REINF.	NWC		60	75	25	60	75	25	60	75	25	90	115	40

NOTES:
1. λ_d = DEVELOPMENT LENGTH
 λ_s = LAP SPLICE LENGTH
 λ_{dh} = HOOK DEVELOPMENT LENGTH

2. WHEN SPLICING BARS OF DIFFERENT SIZE, USE LAP SPLICE LENGTH OF LARGER BAR, U.O.N.

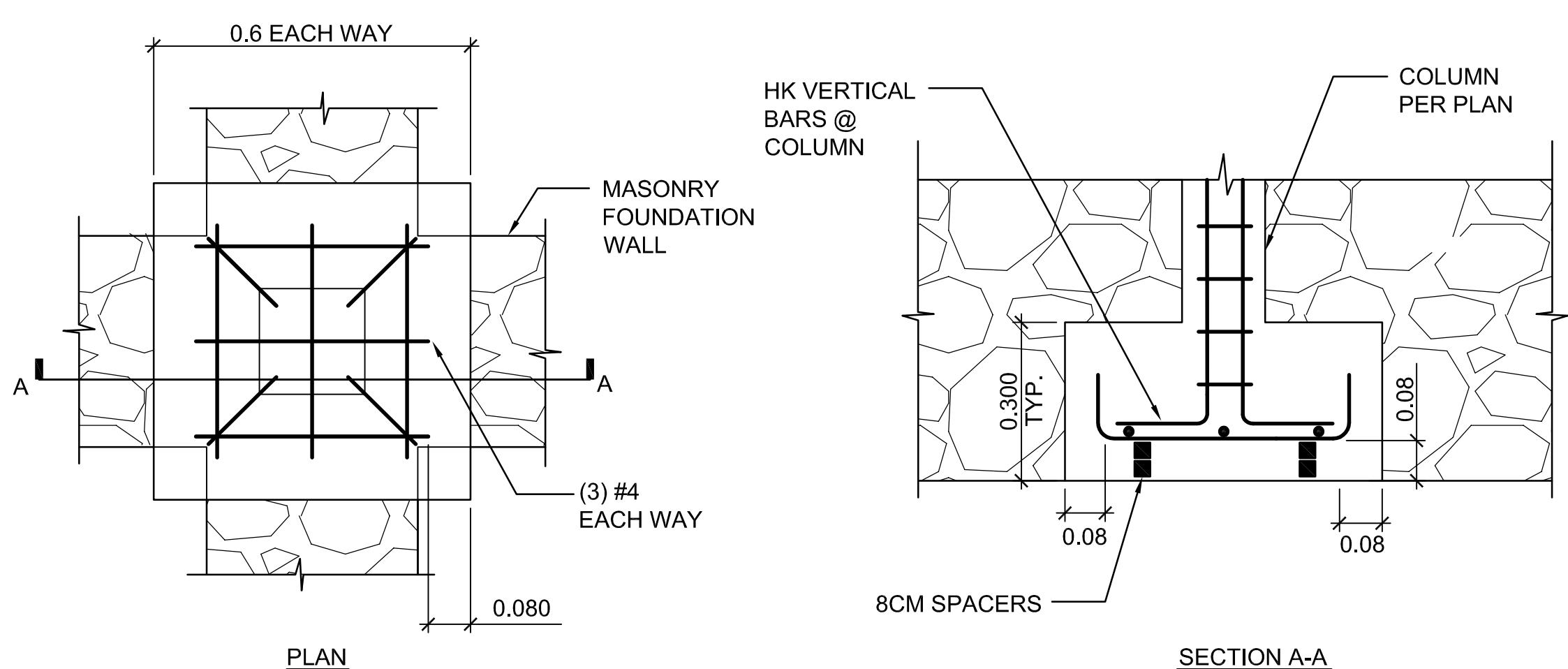
3. STAGGER SPLICES AS INDICATED ON DRAWINGS.



4. MULTIPLY THE ABOVE LENGTHS BY 1.5 FOR EPOXY COATED REINF.

**6 REINFORCING DEVELOPMENT
& SPLICE LENGTHS**

N.T.S.



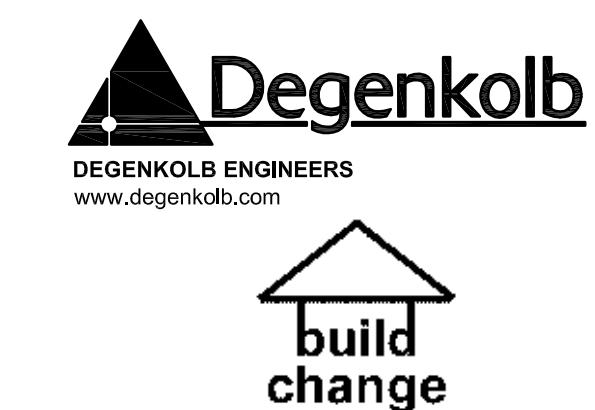
12 FOOTING @ COLUMN

N.T.S.

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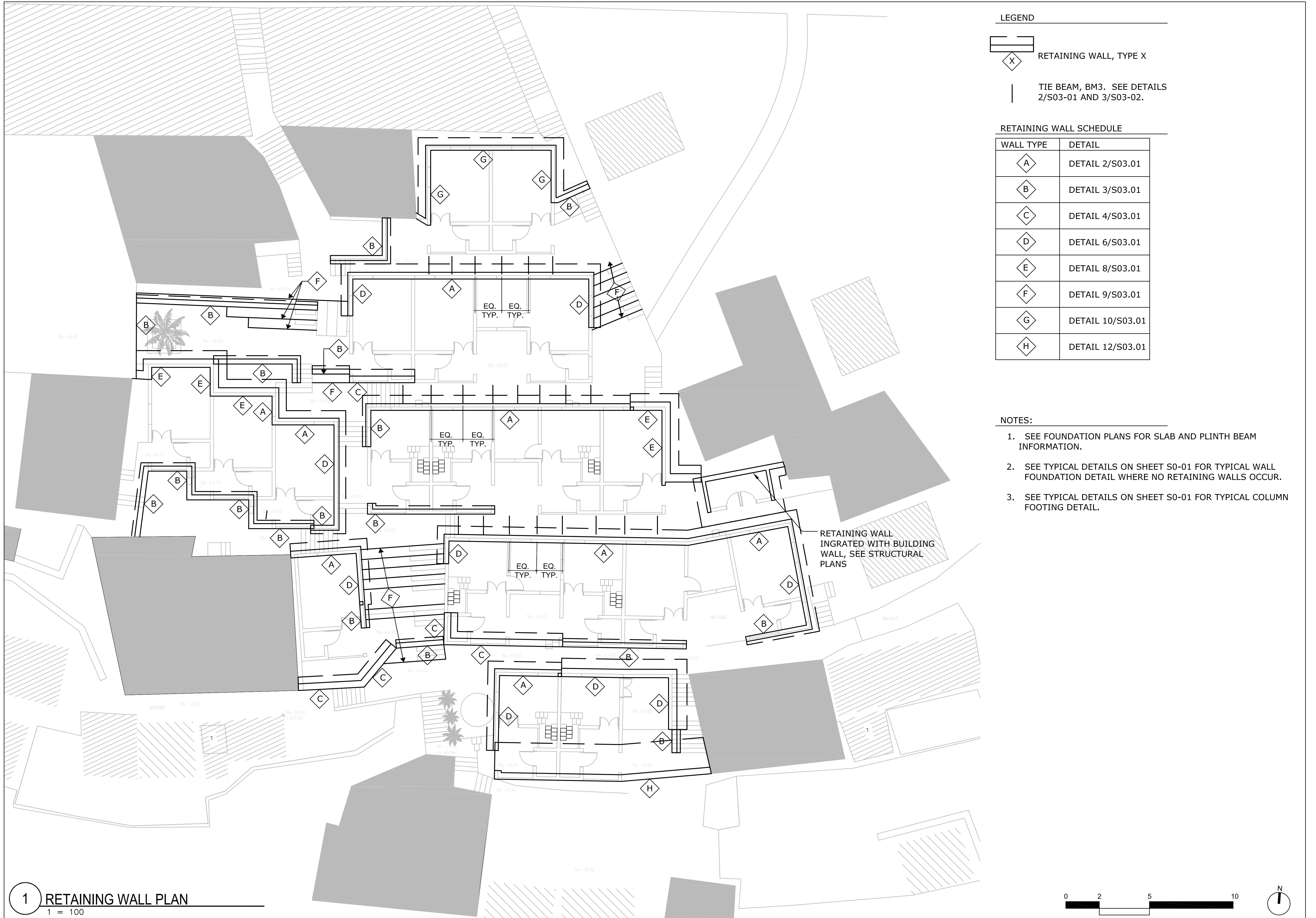
SITE PLAN

RETAINING WALLS

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Révisions:

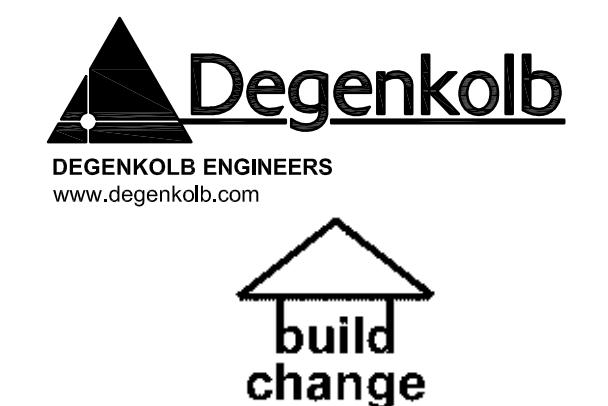
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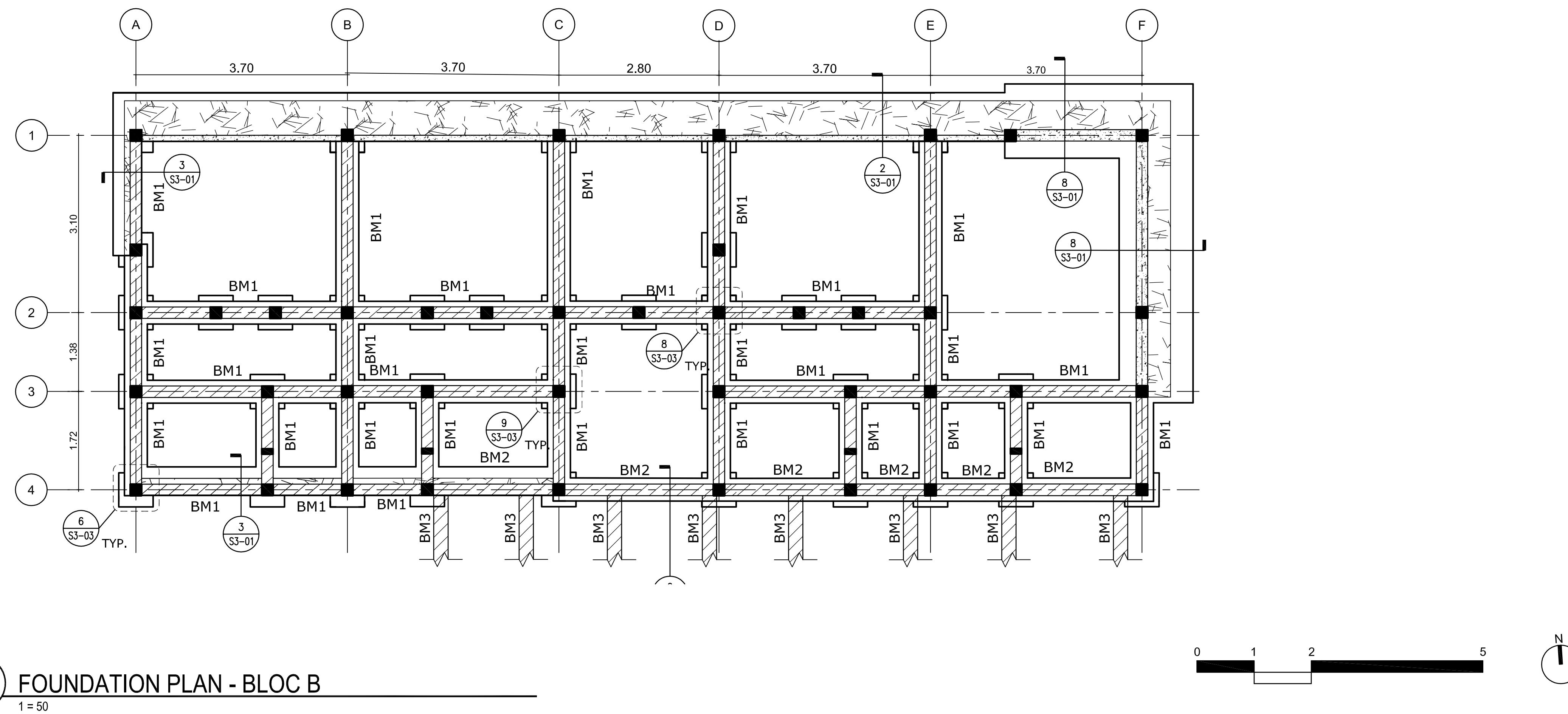
BLOC B

FOUNDATION AND GROUND FLOOR PLANS

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S1-01

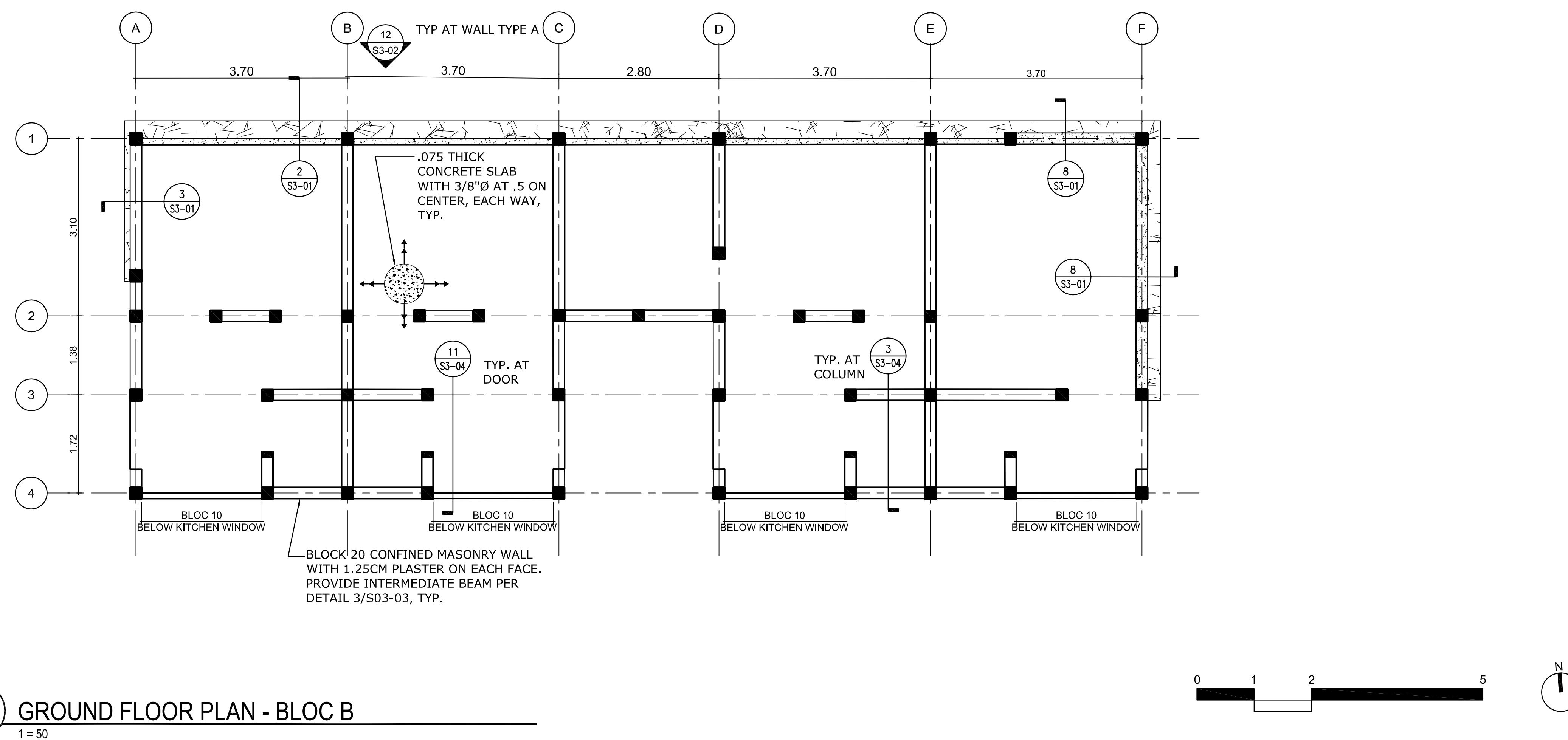


LEGEND

- COLUMN TYPE C1, SEE SHEET S3-02 AND DETAIL 3/S3-03
- COLUMN TYPE C2, SEE SHEET S3-02 AND DETAIL 11/S3-02 AT DOORS.
- BMX BEAM TYPE X, SEE SHEET S3-02
- STONE MASONRY RETAINING WALL, SEE SHEET S1-00 FOR TYPE
- (4) BAR BEAM IN CONCRETE SLAB. SEE DETAILS 5/, 6/, 8/, 9/, OR 11/S3-04 FOR LOCATIONS OVER WALLS AND SEE DETAIL 4/S3-03 FOR LOCATIONS NOT ABOVE WALLS, U.O.N.
- CONCRETE OVERLAY AT WALL
- DIRECTION OF SLAB JOIST SPAN

NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR WALL, DOOR AND WINDOW DIMENSIONS AND LOCATIONS.
2. SEE TYPICAL DETAILS ON SHEET S0-01 FOR TYPICAL WALL FOUNDATION DETAIL WHERE NO RETAINING WALLS OCCUR.
3. SEE TYPICAL DETAILS ON SHEET S0-01 FOR TYPICAL COLUMN FOOTING DETAIL.



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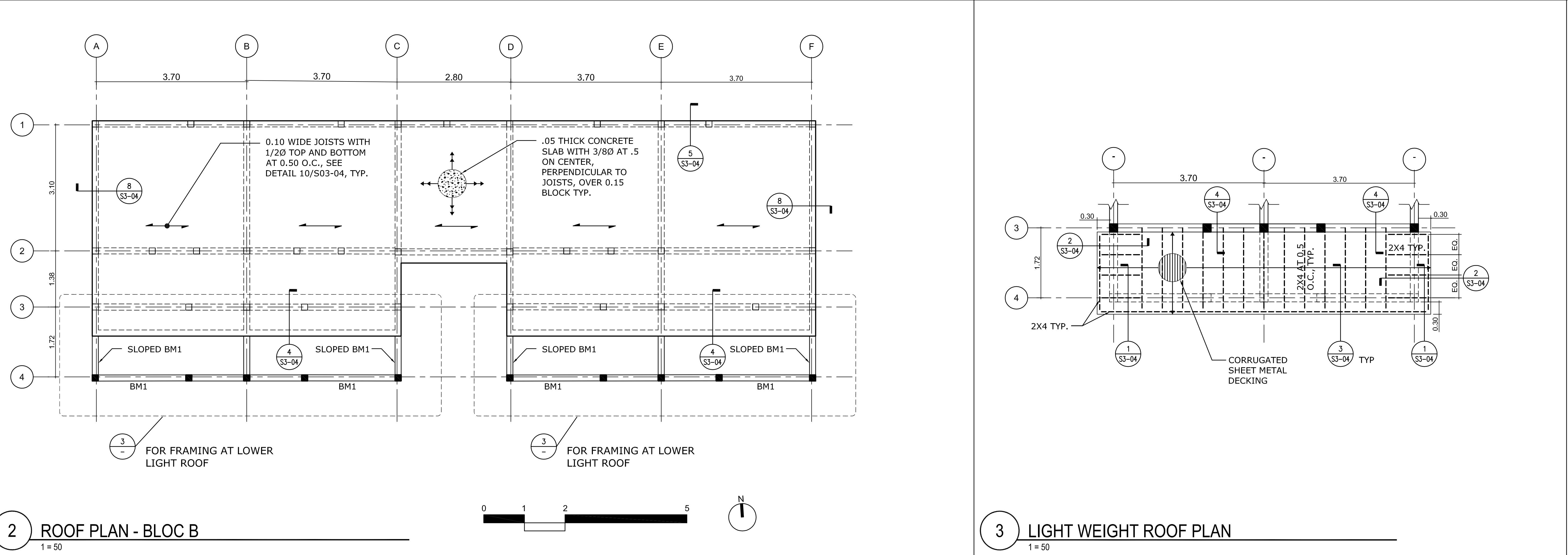
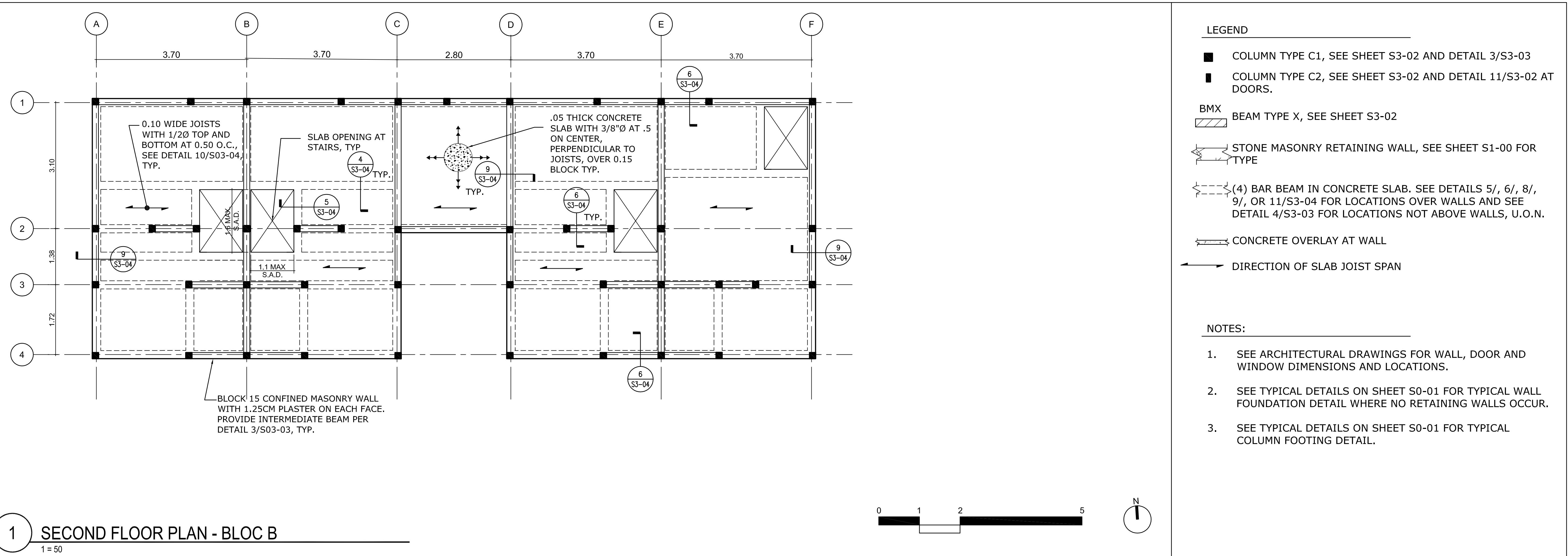
BLOC B

**SECOND FLOOR
AND ROOF PLANS**

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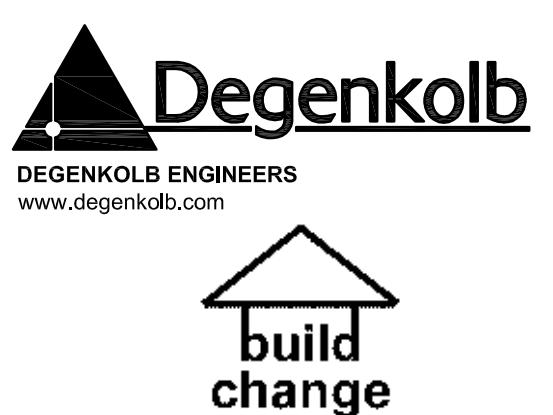
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S1-02



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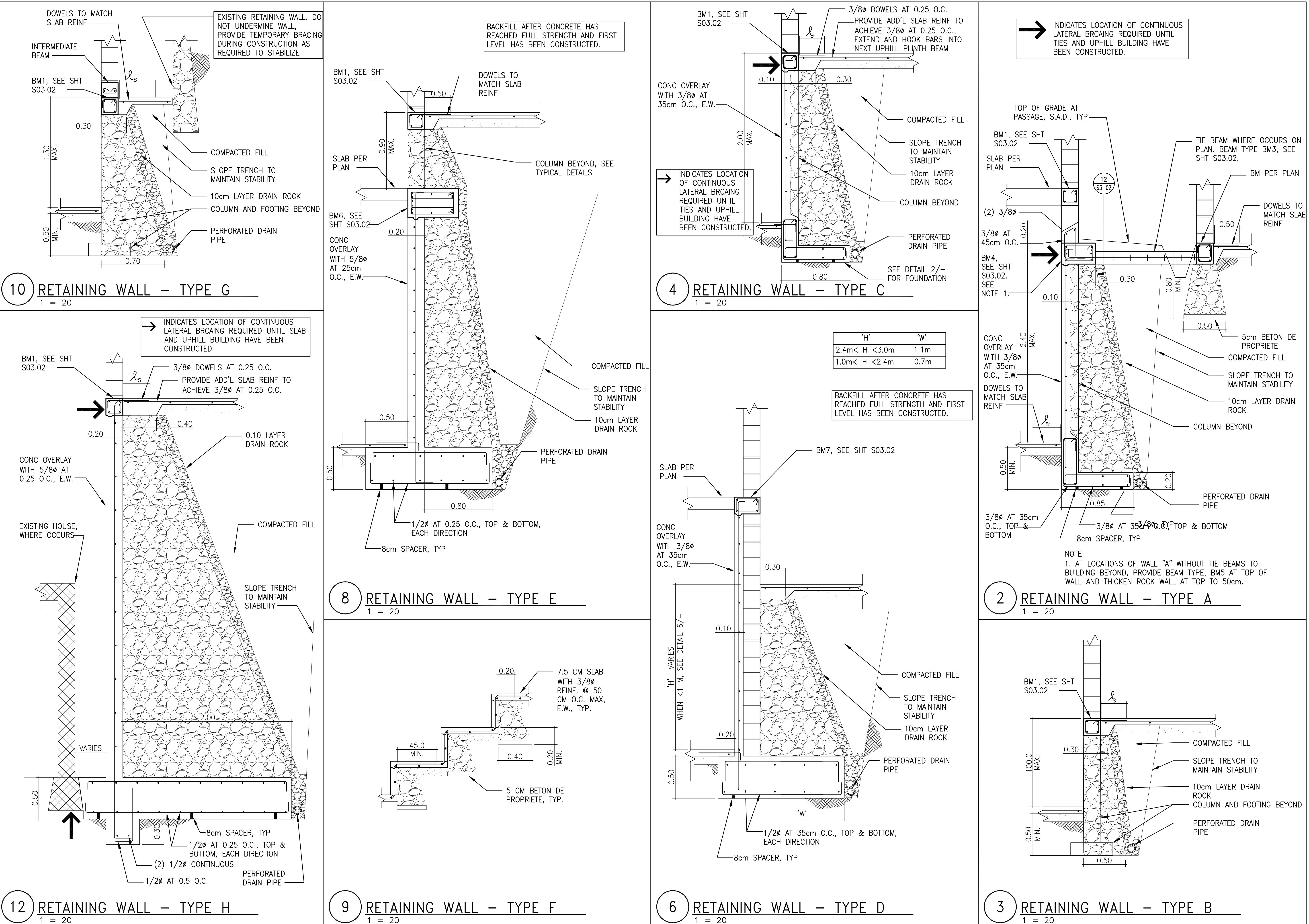
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DETAILS

RETAINING WALL SECTIONS

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S3-01

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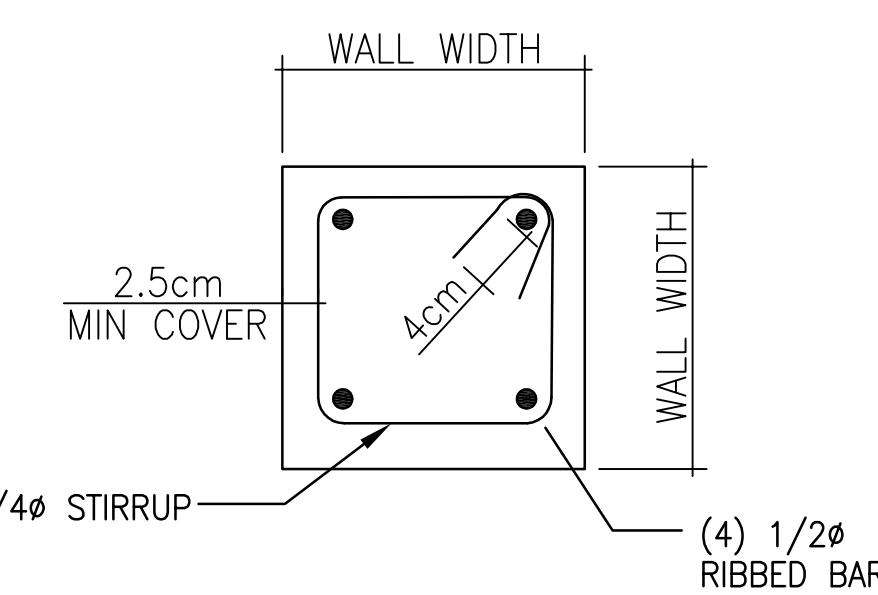
DETAILS

BEAM AND COLUMN SECTIONS

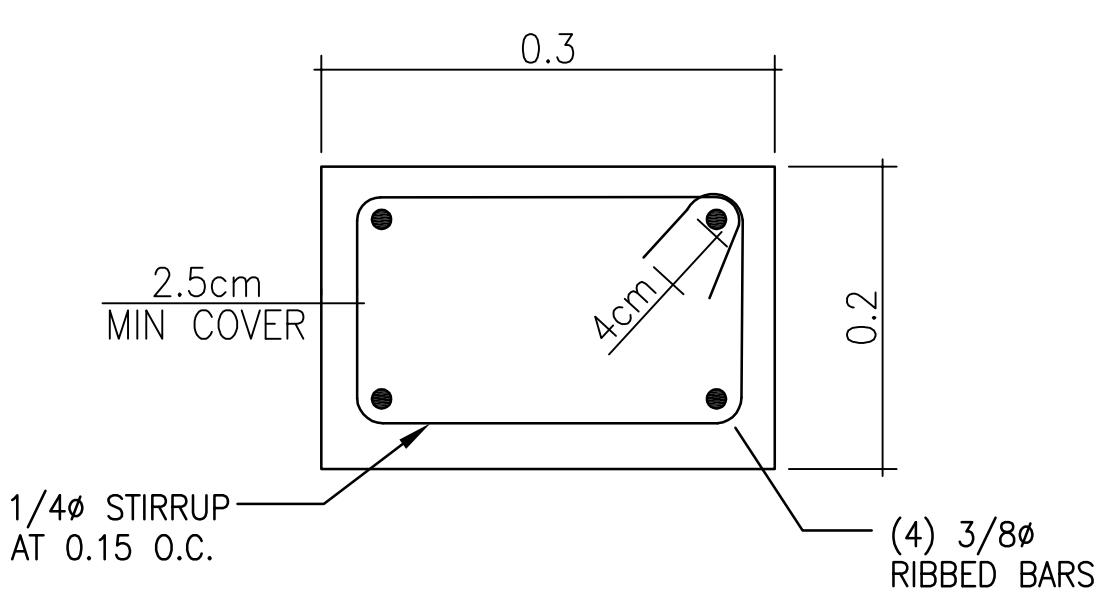
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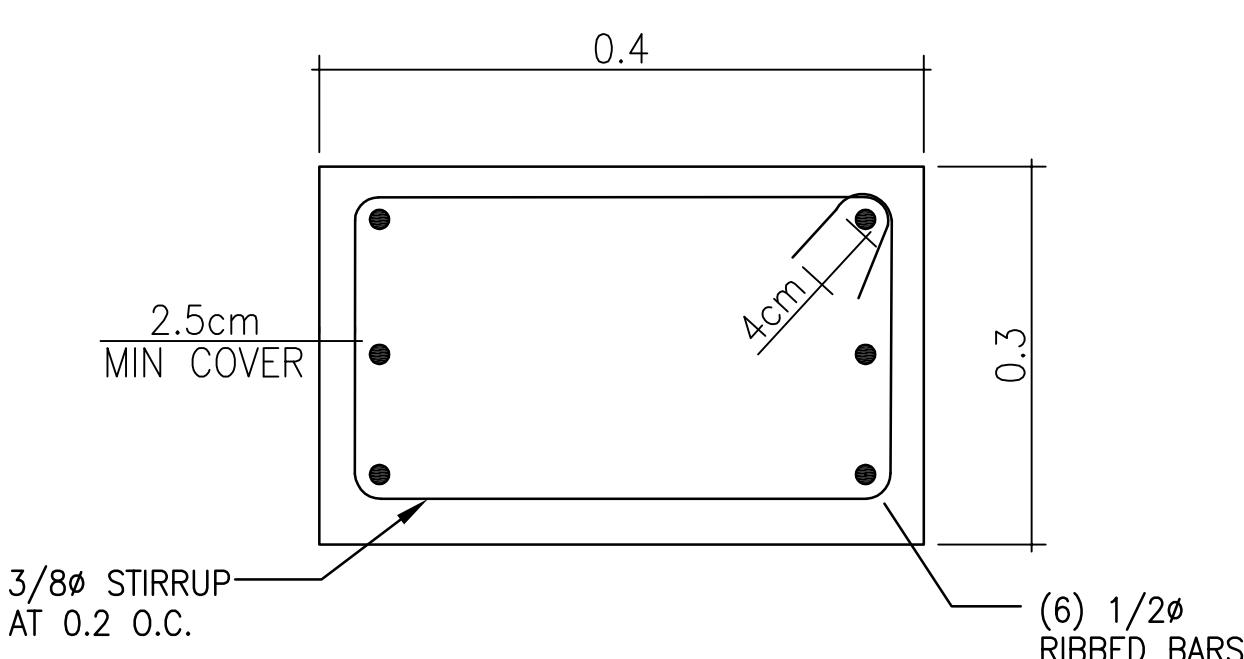
S3-02



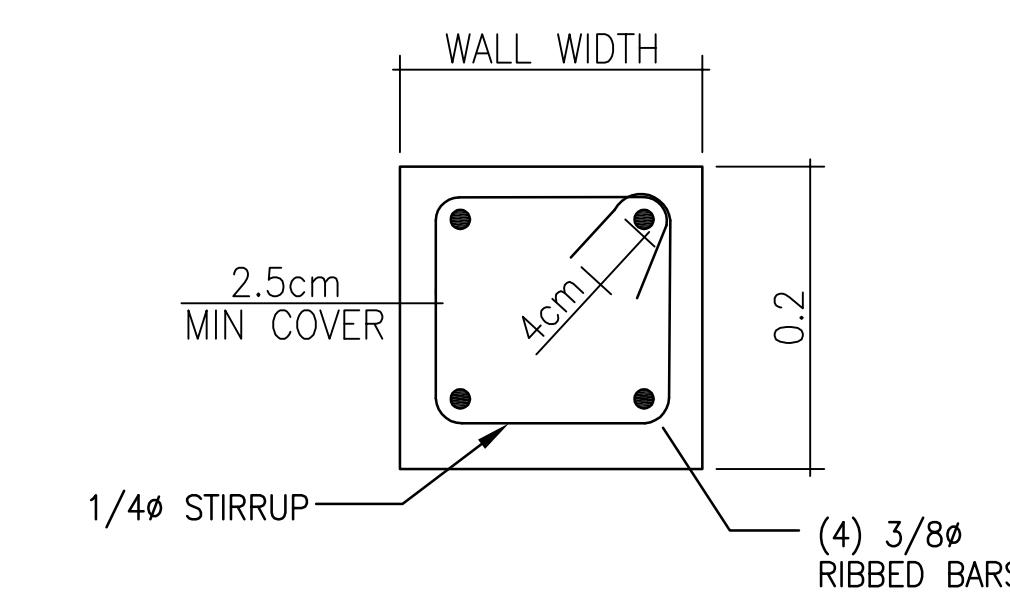
10 C1
1 = 5



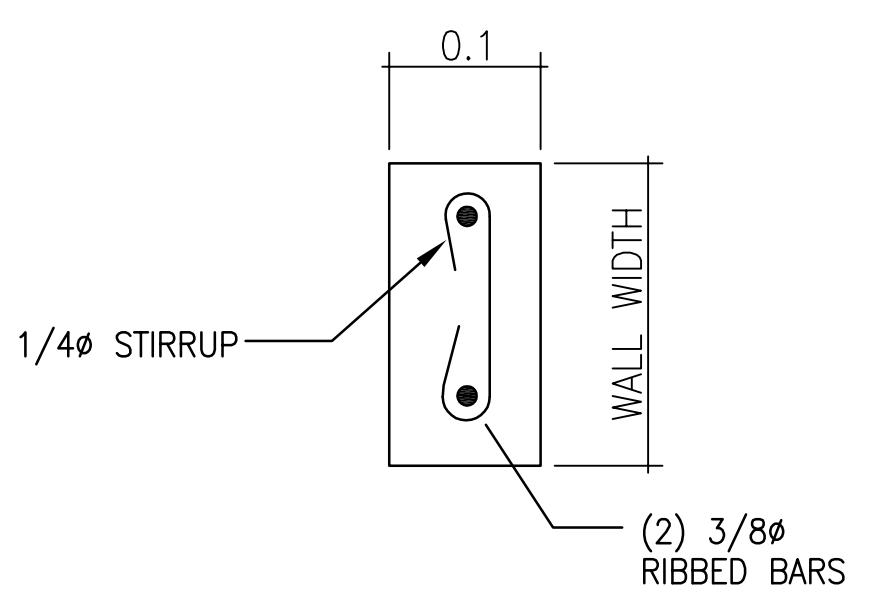
7 BM7
1 = 5



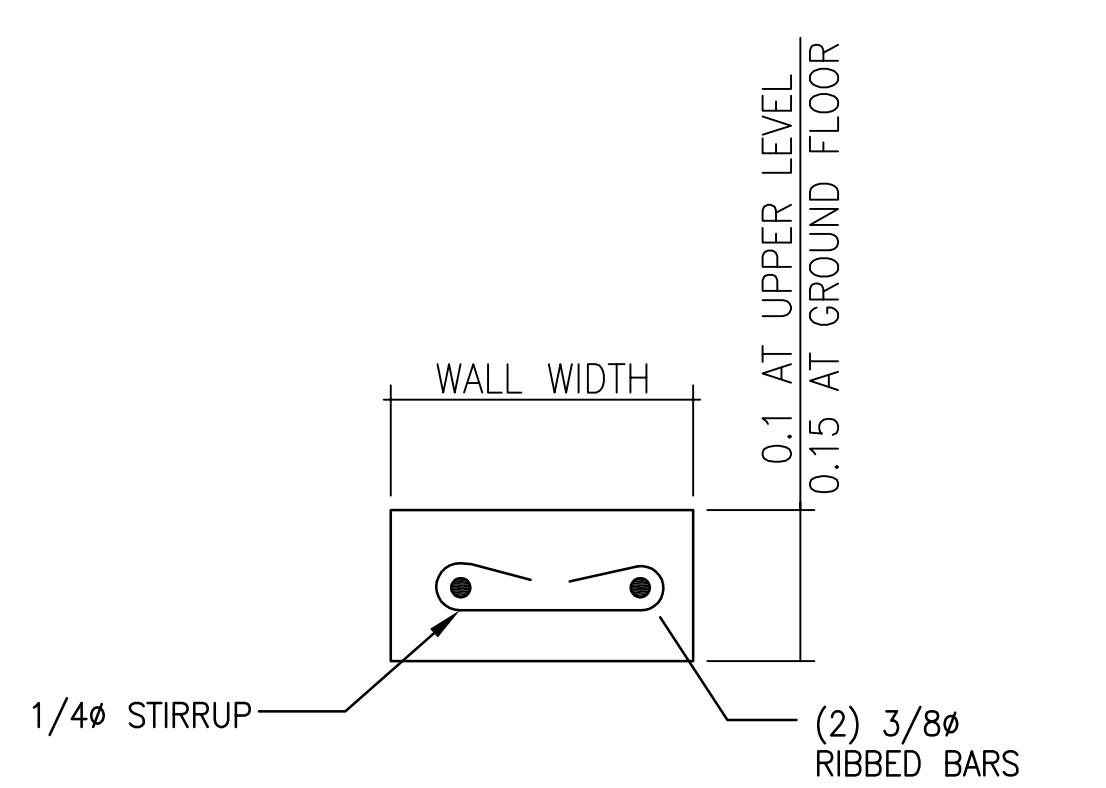
4 BM4
1 = 5



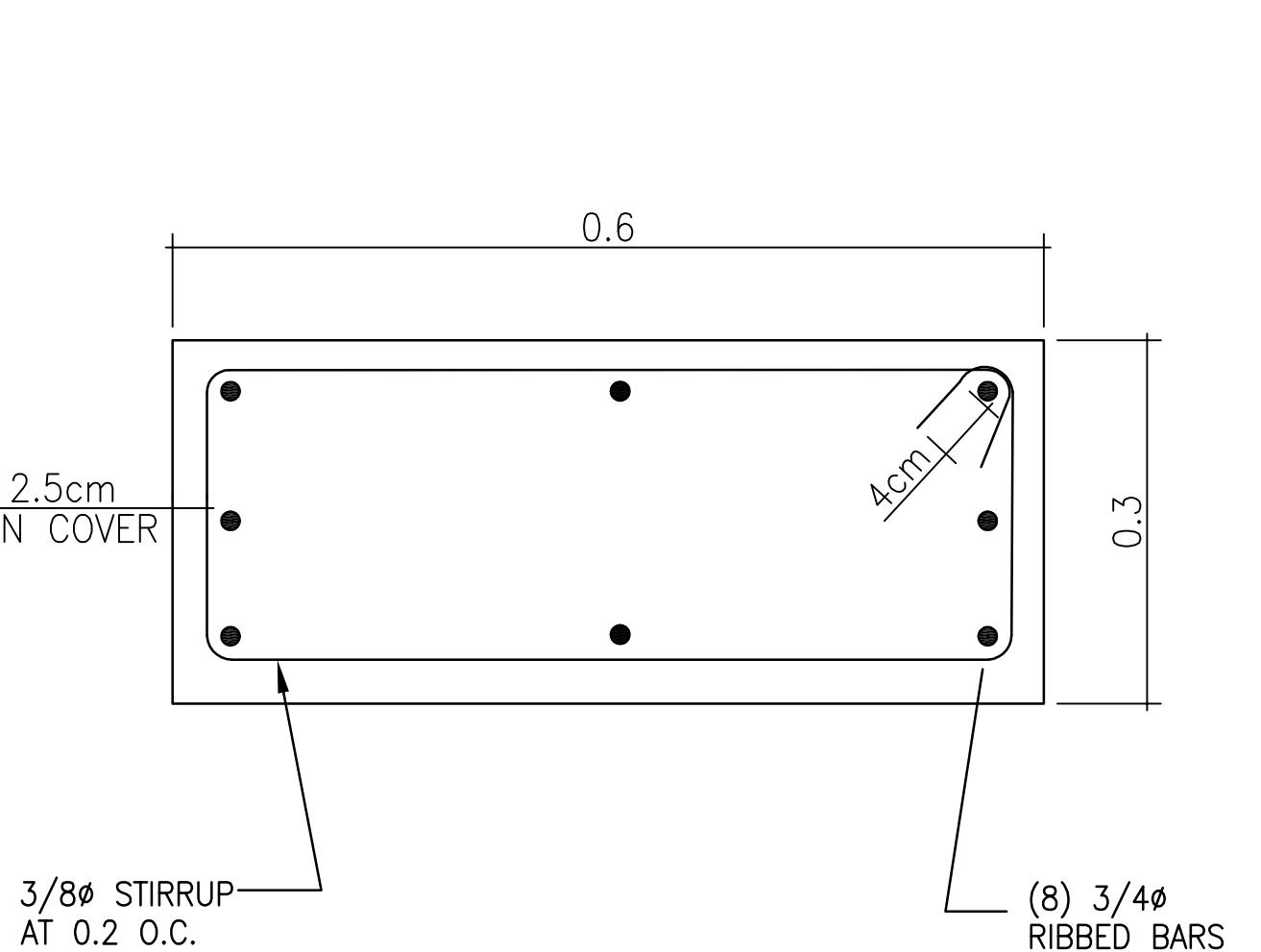
1 BM1
1 = 5



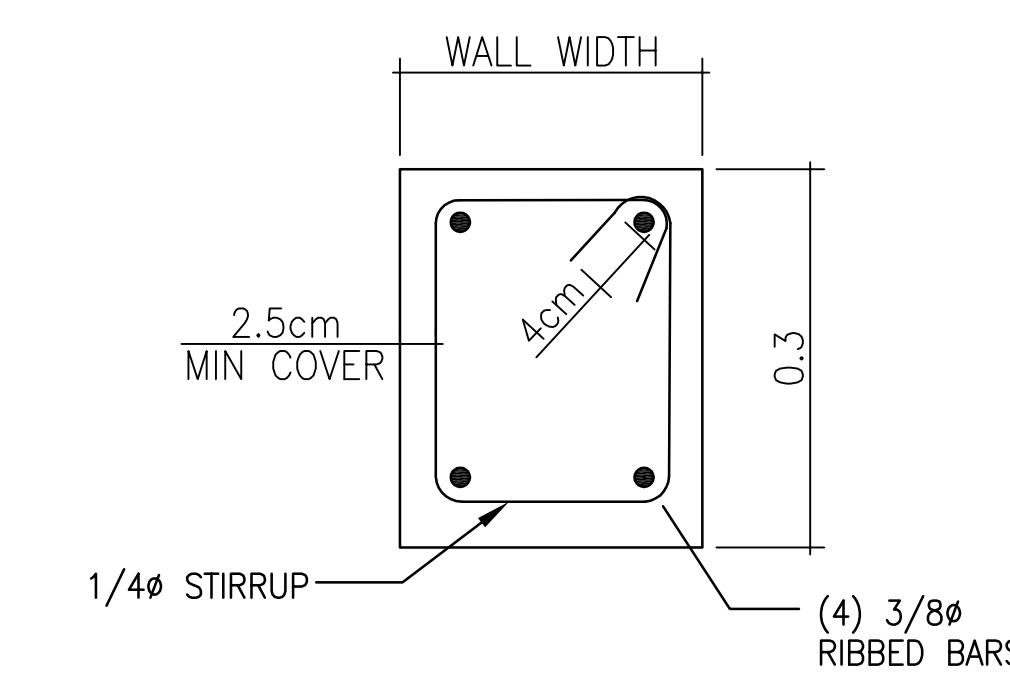
11 C2
1 = 5



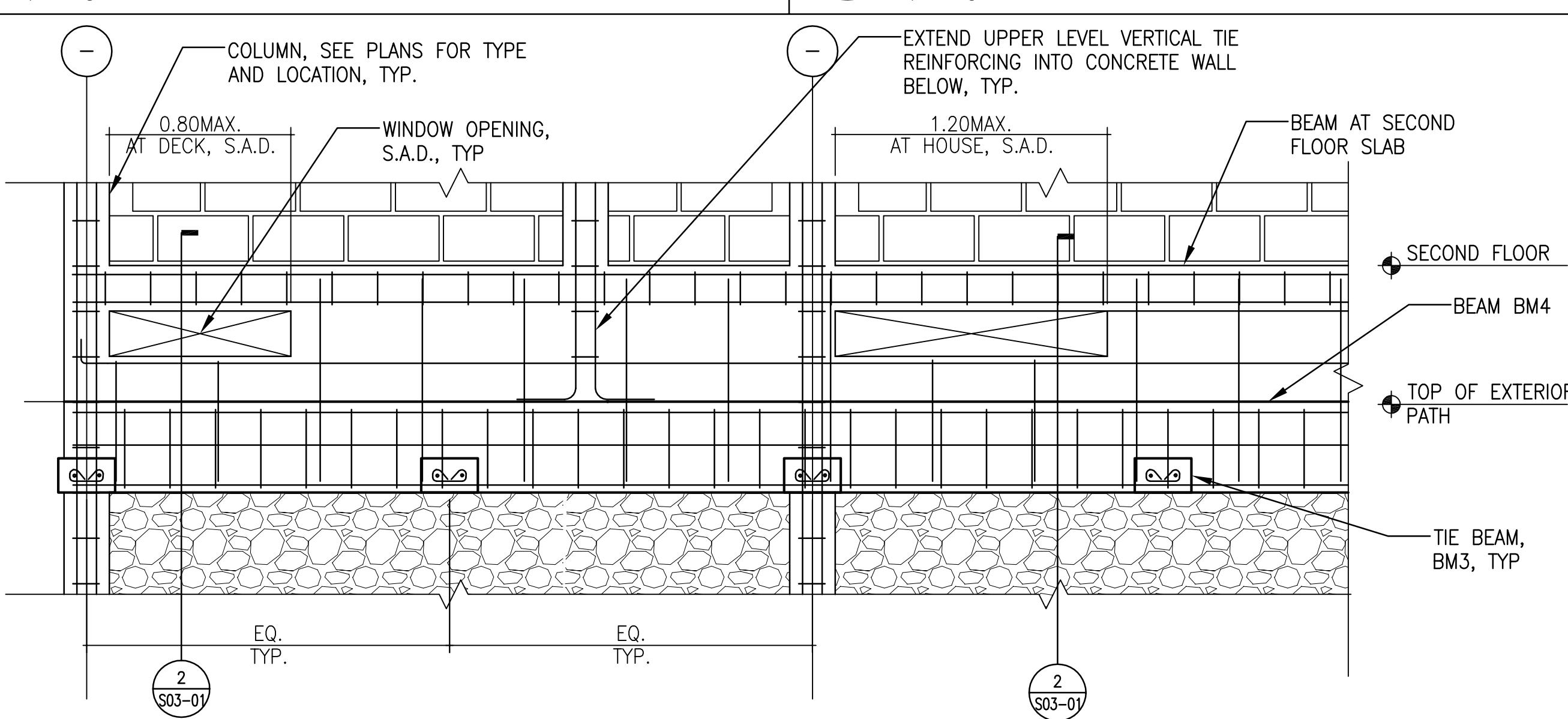
8 BM8
1 = 5



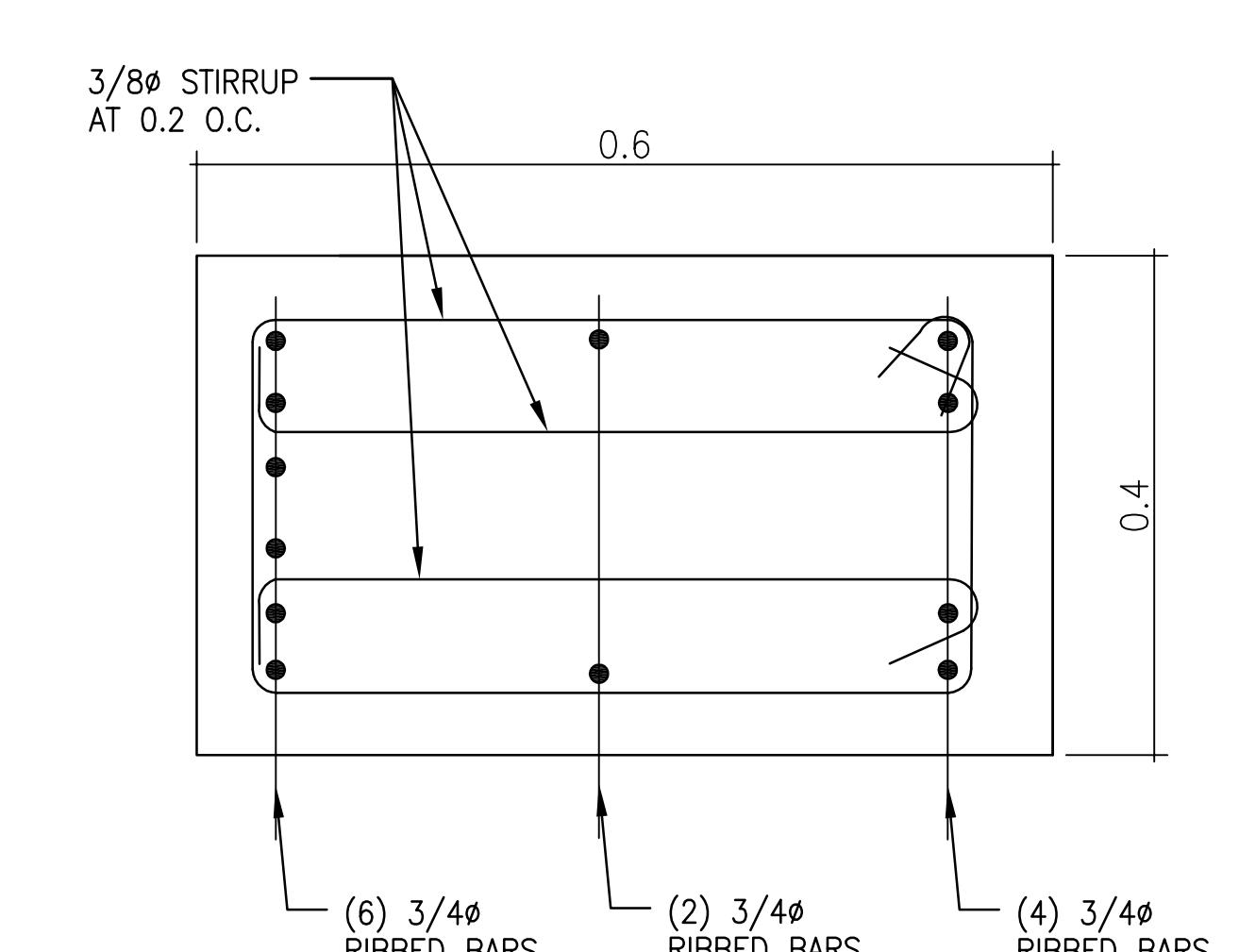
5 BM5
1 = 5



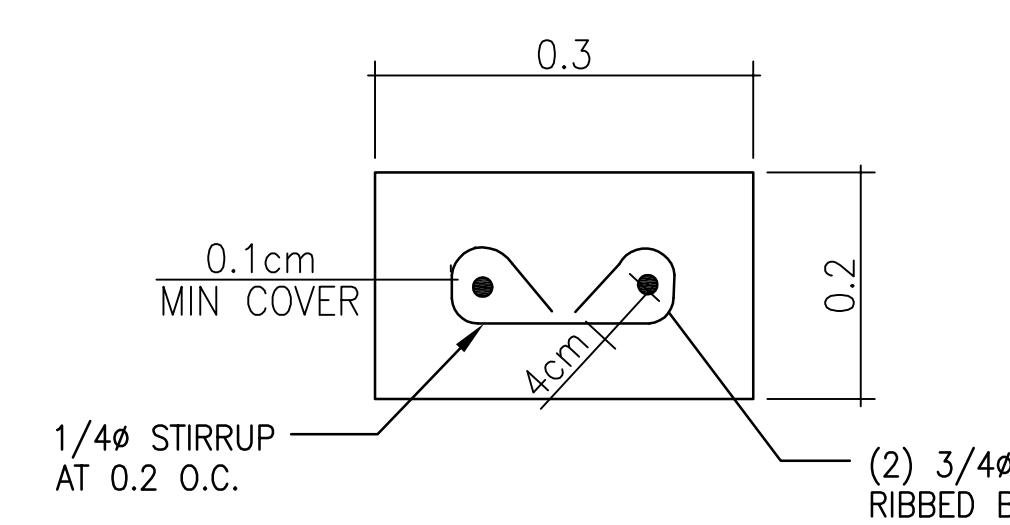
2 BM2
1 = 5



12 WINDOW OPENING IN WALL TYPE A
1 = 20



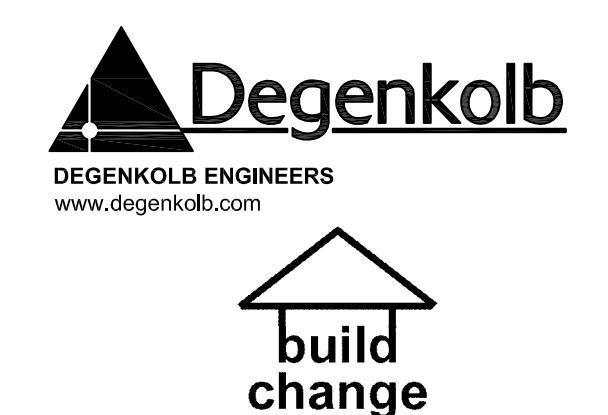
6 BM6
1 = 5



3 BM3
1 = 5

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Dossier d'Exécution

DETAILS

Date: 13 août 2012

Révisions:
30-08-2012 90% CDs
03-09-2012 BLOC B ISSUED FOR CONSTRUCTION

S3-03

