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PRINTED	DATE	COMMENTS
	09/27/18	BID SET/PERMIT SET

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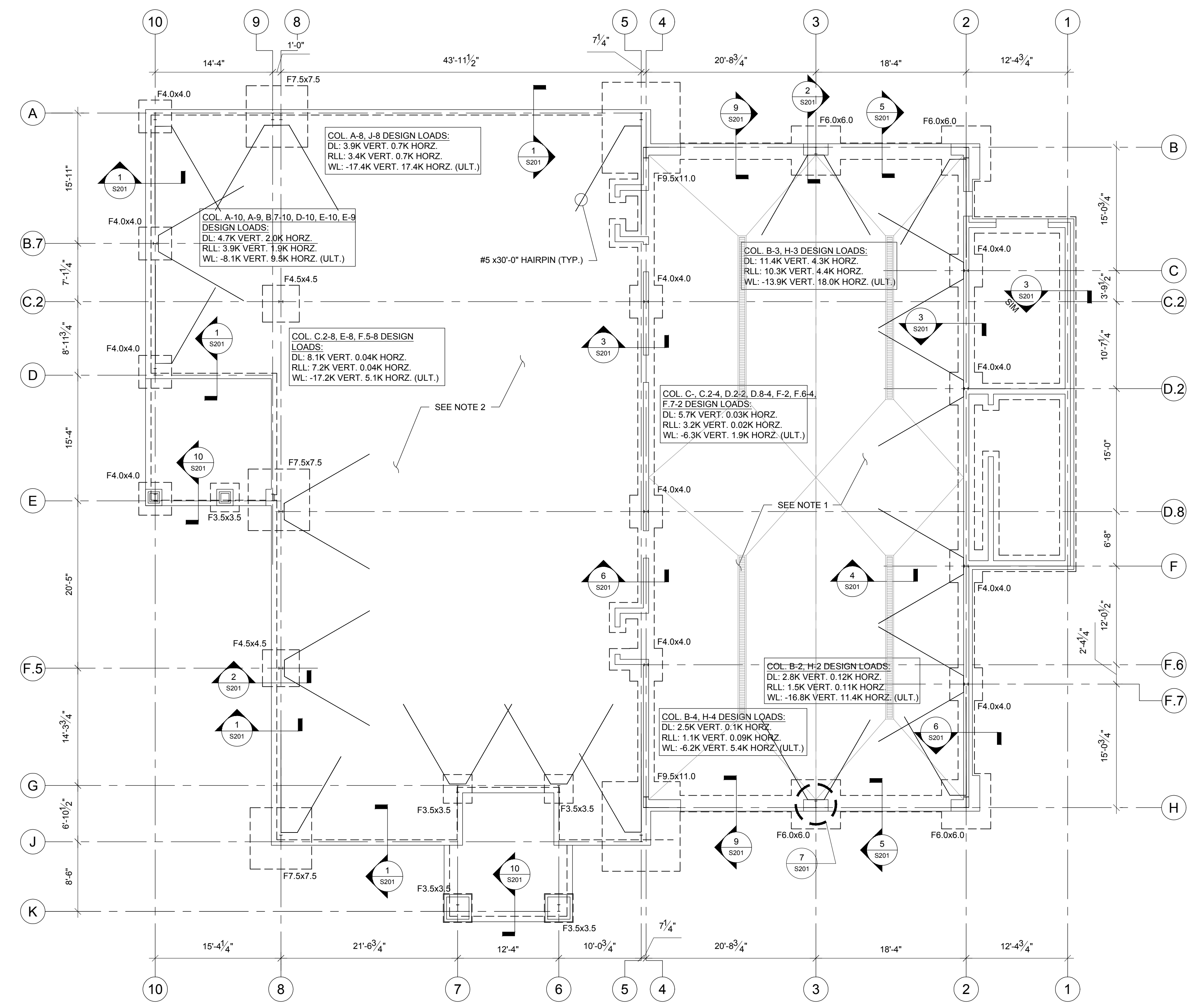
FAYETTE CO. FIRE STATION NO. 2

1330 HWY. 92 NORTH
 FAYETTEVILLE, GEORGIA

Prepared for
FAYETTE CO. FIRE DEPT

COMMISSION NO:	
1852.00	
SHEET TITLE:	FOUNDATION PLAN
SHEET NO:	S101

NOT ISSUED FOR CONSTRUCTION

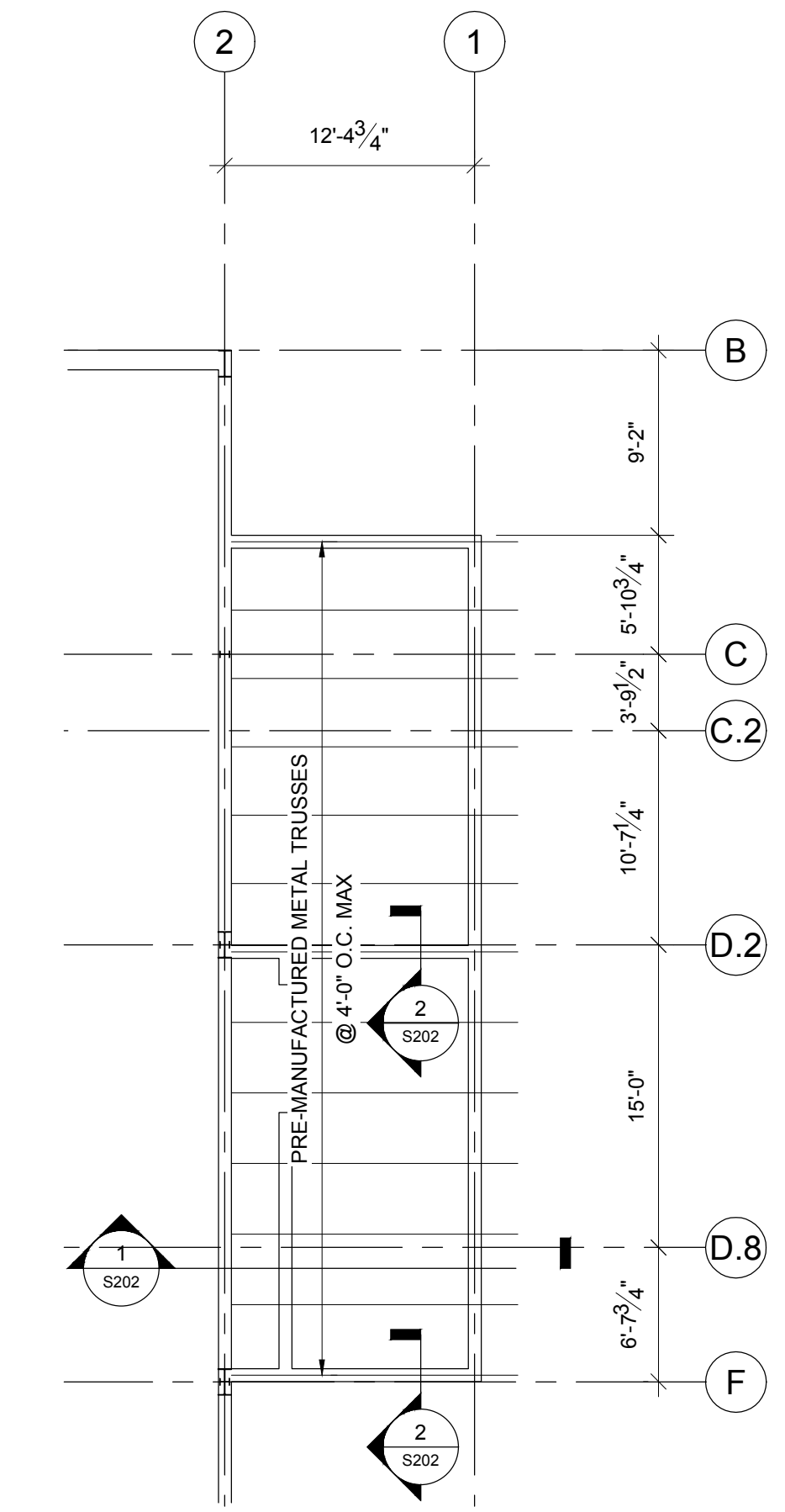


1 S101 FOUNDATION PLAN
 SCALE: 1/8"=1'-0"

- FOUNDATION PLAN NOTES**
- PROVIDE 8" THICK CONCRETE SLAB-ON-GRADE ($f'_c = 3,000$ PSI) ON VAPOR RETARDER OVER 6" MIN. COMPACTED GRADED AGGREGATE BASE W/ #4 @ 12" O.C. EACH WAY TOP & BOTTOM IN SLAB.
 - PROVIDE 4" THICK CONCRETE SLAB-ON-GRADE ($f'_c = 3,000$ PSI) ON VAPOR RETARDER OVER 4" MIN. GRANULAR FILL. PROVIDE (1) LAYER 6x6:W1.4xW1.4 W.W.F. 1" FROM TOP OF SLAB.
 - FOOTINGS SHALL BE LOCATED ON CENTERLINE OF WALL AND/OR COLUMNS, U.N.O. ALL EXTERIOR COLUMN FOOTINGS ALIGN WITH EDGE OF WALL FOOTING IN BOTH DIRECTIONS.
 - T/FOOTING = 1'-4" BELOW T/SLAB ELEVATION, TYP.
 - CONTRACTOR SHALL COORDINATE FOOTING ELEVATIONS WITH MECHANICAL DRAWINGS TO AVOID INTERFERENCE WITH UNDERGROUND PIPING. STEP FOOTINGS AS REQUIRED PER TYPICAL DETAILS.
 - SEE CIVIL/ARCHITECTURAL DRAWINGS FOR EXTERIOR SLAB ON GRADE.
 - REFER TO ARCHITECTURAL AND SPECIALTY ENGINEER DRAWINGS FOR LOCATIONS OF LOADS.
 - REACTIONS SHOWN ON PLAN ARE PRELIMINARY. FOUNDATION SIZES ARE SUBJECT TO CHANGE UPON REVIEW OF FINAL METAL BUILDING REACTIONS AND ANCHOR BOLT LAYOUTS FROM PRE-ENGINEERED BUILDING MANUFACTURER.
 - COORDINATE COLUMN SIZES, LOCATIONS AND BASE PLATE AND ANCHOR ROD LAYOUT W/ METAL BUILDING MANUFACTURER.
 - ALL METAL BUILDING COLUMNS TO BE STRAIGHT MEMBERS.

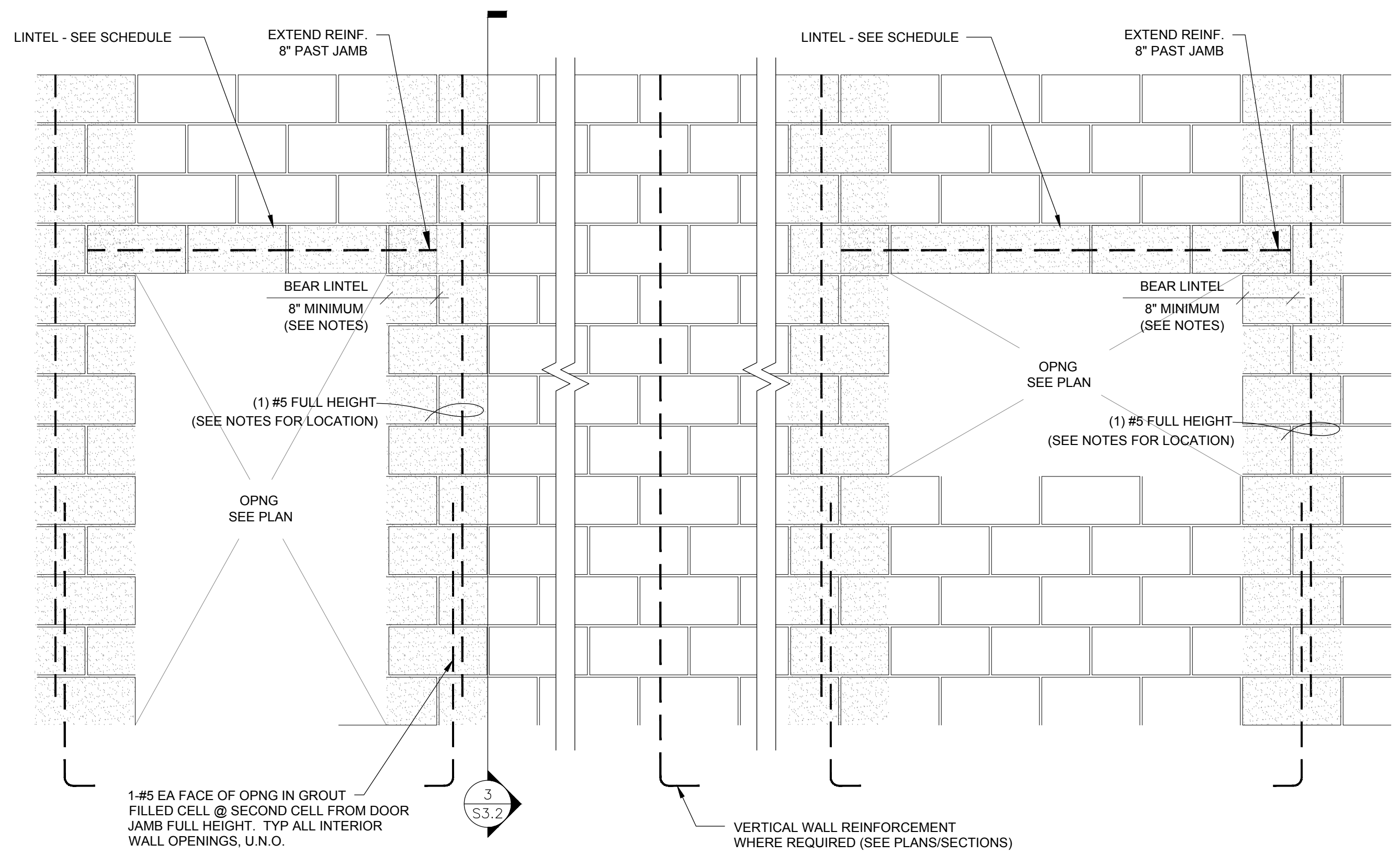
FOOTING SCHEDULE		
MARK	FOOTING SIZE	REINFORCEMENT
F3.5x3.5	3'-6"x3'-6"x14"	(4) #5 EA WAY BOTTOM
F4.0x4.0	4'-0"x4'-0"x14"	(4) #5 EA WAY BOTTOM
F4.5x4.5	4'-6"x4'-6"x14"	(5) #5 EA WAY BOTTOM
F6.0x6.0	6'-0"x6'-0"x16"	(5) #6 EA WAY BOTTOM
F7.5x7.5	7'-6"x7'-6"x16"	(8) #6 EA WAY BOTTOM
F9.5x11.0	9'-6"x11'-0"x22"	(11) #6 SHORT BOTTOM & (12) #6 LONG BOTTOM

FOOTING SIZES ARE BASED ON ESTIMATED COLUMN REACTIONS AND ARE SUBJECT TO CHANGE. FINAL FOOTING SIZES ARE CONTINGENT ON "FIELD USE" DRAWINGS, INCLUDING ANCHOR BOLT LAYOUTS AND REACTIONS FROM PRE-ENGINEERED BUILDING MANUFACTURER.



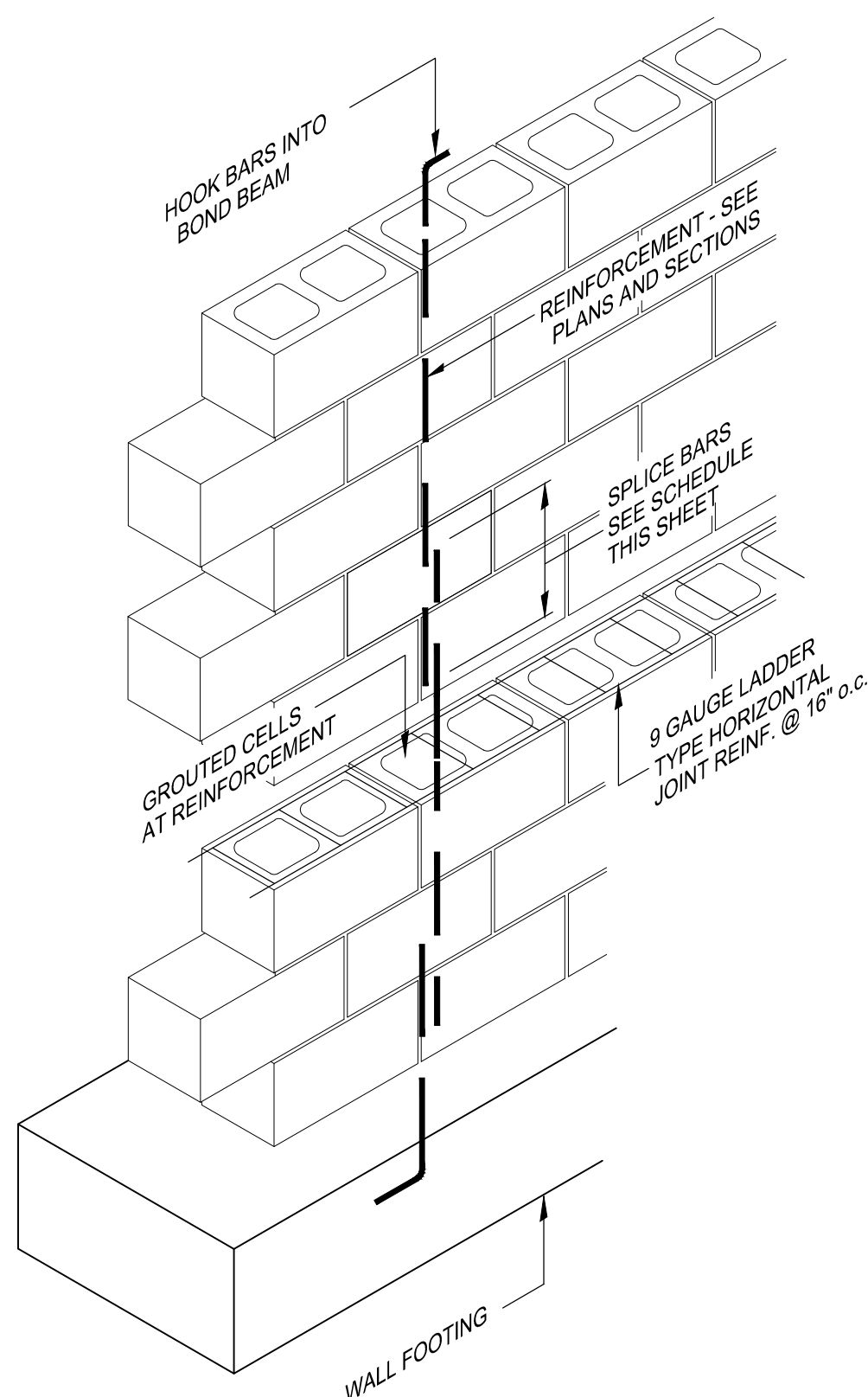
2 S101 PARTIAL ROOF FRAMING PLAN
 SCALE: 1/8"=1'-0"

- ROOF TRUSS NOTES**
- TRUSS LAYOUT AND PROFILES BY ROOF TRUSS MANUFACTURER.
 - SUBMIT FOR RECORD TO THE ARCHITECT DESIGN CALCULATIONS W/ SHOP DRAWINGS SEALED BY A LICENSED STRUCTURAL ENGINEERING REGISTERED FOR THE STATE OF GEORGIA. THE CALCULATIONS AND SHOP DRAWINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO:
 - A. TRUSS SIZE
 - B. TRUSS CONNECTIONS
 - C. BRACING REQUIREMENTS AND LOCATIONS
 - D. BRIDGING REQUIREMENTS AND LOCATIONS
 - E. ATTACHMENT DETAILS
 - REFER TO ARCH DRAWINGS FOR DIMENSIONS AND ELEVATIONS NOT SHOWN
 - TRUSSES TO BE DESIGNED AND BRACED AS REQUIRED TO PROVIDE CONTINUOUS DIAPHRAGM.
 - DESIGN LOADS:
 - TOP CHORD: 10 PSF DEAD LOAD
 - 20 PSF LIVE LOAD
 - BOTTOM CHORD: 5 PSF DEAD LOAD



- NOTES:
- FIRST TYPICAL WALL (PILASTER) REINFORCING TO BE PLACED 1/2 THE DISTANCE BETWEEN TYPICAL PILASTER SPACING.
 - BEAR LINTEL 8" WHEN CELLS BELOW ARE SOLID & DO NOT CONTAIN RECEPTACLES, ETC. PLACE (1) #5 FULL HEIGHT IN LINTEL-BEARING CELL.
 - BEAR LINTEL 16" WHEN FIRST JAMB CELL CONTAINS RECEPTACLE. PLACE (1) #5 FULL HEIGHT IN END LINTEL-BEARING CELL.

TYP. DETAIL OF REINFORCED MASONRY NON-SHEARWALL OPENING



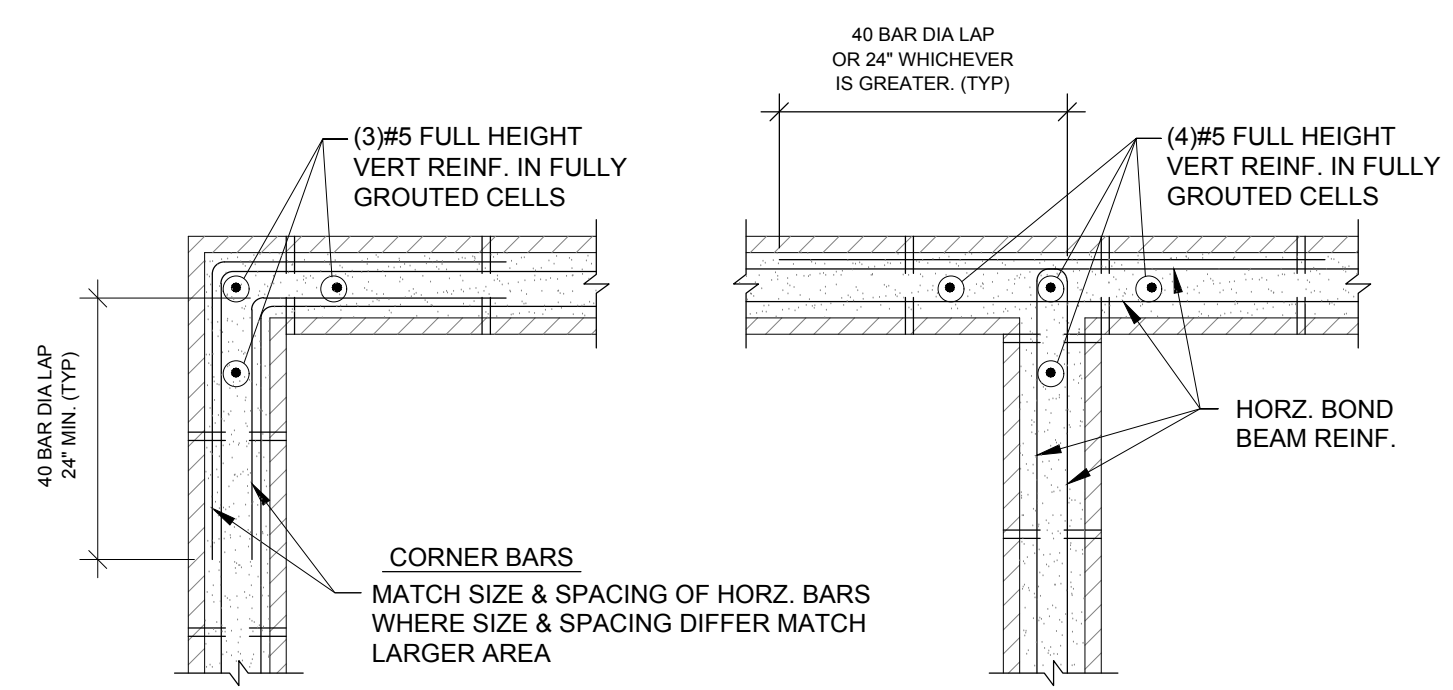
MINIMUM REINFORCING LAP LENGTH SCHEDULE*

BAR TYPE	BAR SIZE AND LAP LENGTH			
	#3	#4	#5	#6
FILLED 8" CMU CELLS (Single Bar)	12"	15"	23"	43"

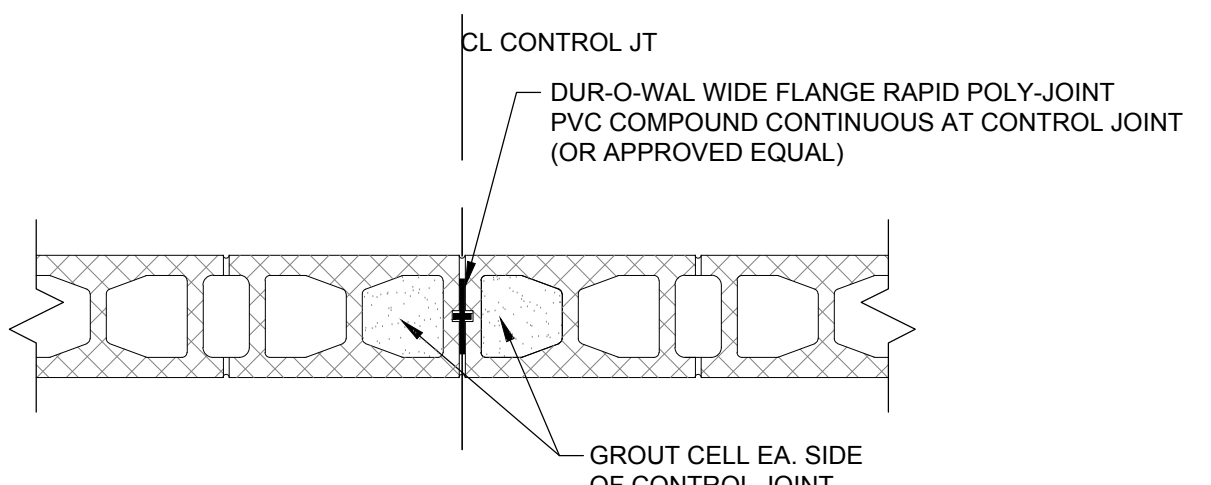
- NOTE:
- THESE VALUES ARE ADEQUATE FOR REGULAR WEIGHT CONCRETE. THEY MAY BE MULTIPLIED BY 1.3 IF LIGHT WEIGHT CONCRETE IS USED.
 - THESE VALUES ARE ADEQUATE FOR BARS WITHOUT EPOXY COATING.
 - THESE VALUES APPLY TO MASONRY w/ $f_m = 1,500$ PSI.
 - TMS 402/ACI 530/ASCE 5 BUILDING CODES ALLOW OPTIONAL REINFORCING SPLICES AS FOLLOWS:
 - A WELDED SPLICE WHEREBY BARS ARE BUTTED AND WELDED TO DEVELOP IN TENSION 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.
 - MECHANICAL CONNECTIONS THAT ARE CAPABLE OF DEVELOPING 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.

- LOW LIFT GROUTING PROCEDURE:
- CONSTRUCT WALL TO HEIGHT OF 5'-0". ALLOW MORTAR TO SET SUFFICIENTLY TO WITHSTAND GROUT PRESSURE.
 - INSPECT UNITS FOR ALIGNMENT. CLEAN OUT CELLS TO BE FILLED.
 - FILL CELLS TO 1 1/2" BELOW TOP COURSE.
 - DELAY 3 TO 5 MINUTES PRIOR TO CONSOLIDATING TO ALLOW WATER TO BE ABSORBED BY MASONRY.
 - VERTICAL REINFORCING PRE-MANUFACTURED REBAR POSITIONER SHALL BE LOCATED AT THE TOP OF THE FIRST COURSE AT THE COURSE BELOW THE TOP OF THE WALL AND 4'-0" o.c. (MAX.)

TYP. DETAIL OF LOW-LIFT REINFORCED MASONRY CONSTRUCTION

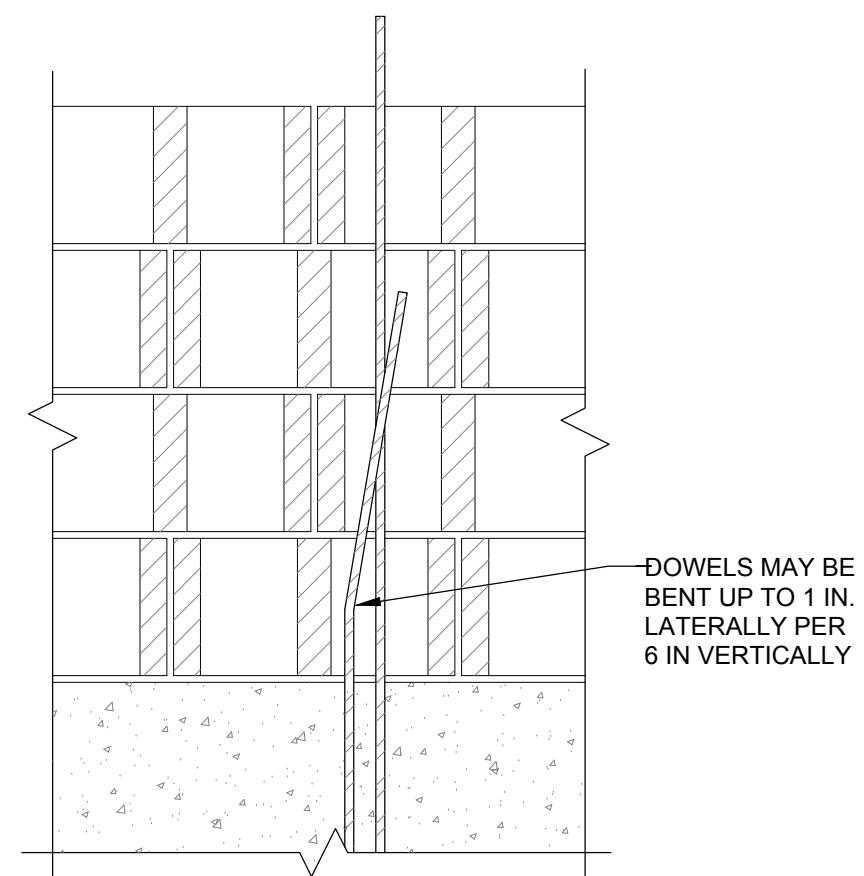


TYP. PLAN OF CORNER & INTERSECTION DETAILS FOR MASONRY BOND BEAMS

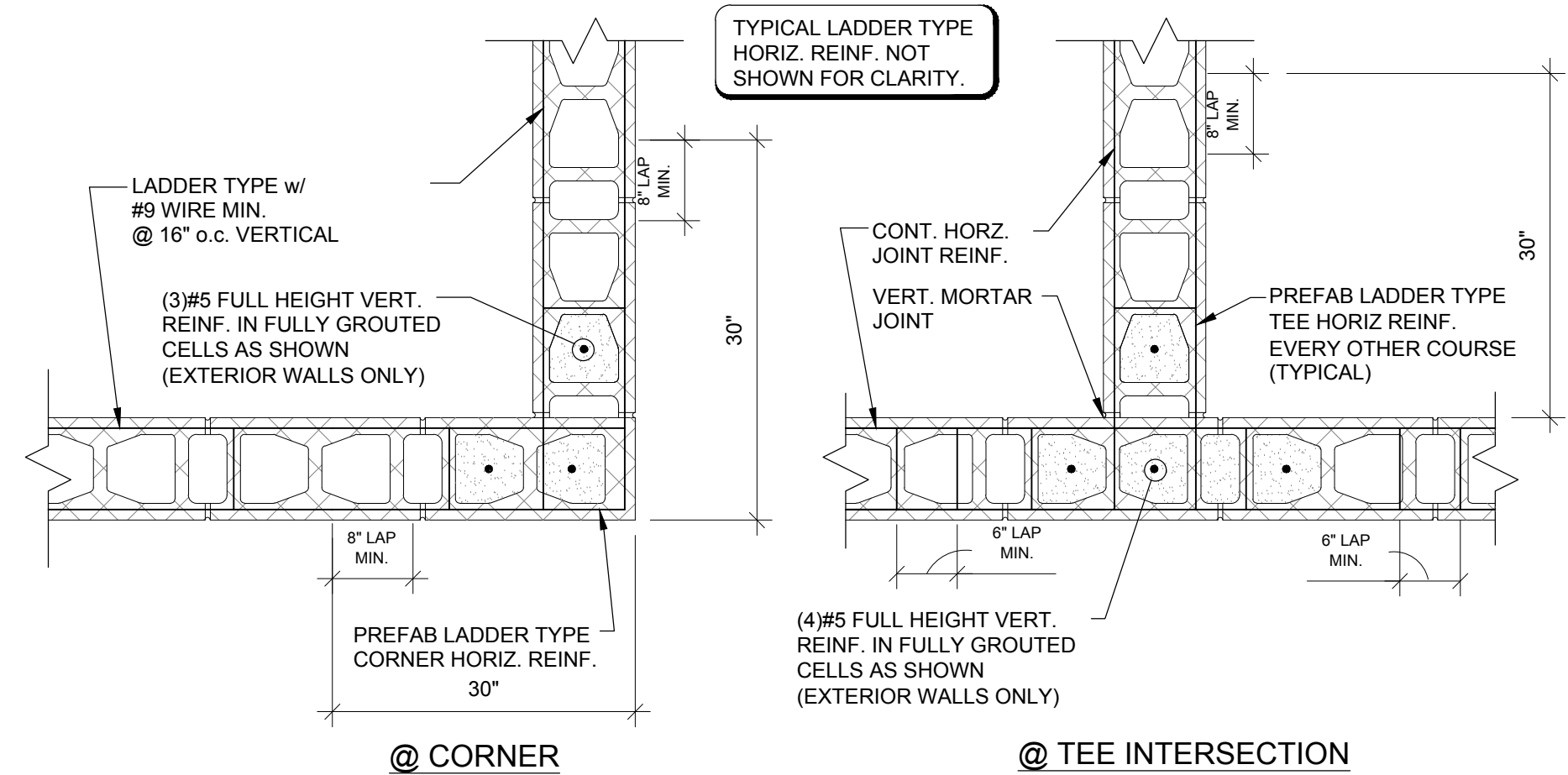


- NOTES:
- SPACING OF CONTROL JOINTS IN INTERIOR/EXTERIOR CMU WALL SHALL NOT EXCEED 30'-0".
 - SEE ARCH FOR EXACT LOCATIONS OF CONTROL JOINTS
 - HORIZ. JOINT REINF. TO STOP AT EA. SIDE OF CONTROL JOINT

TYP. CMU CONTROL JOINTS



TYP. DOWEL BENDING DETAIL



- NOTES:
- CORNER/TEE INTERSECTION REINF. SHALL BE LAPPED WITH THE TYPICAL LADDER TYPE HORIZ. REINF. AND EXTEND A MINIMUM OF 30" IN EACH DIRECTION AT THE INTERSECTION.

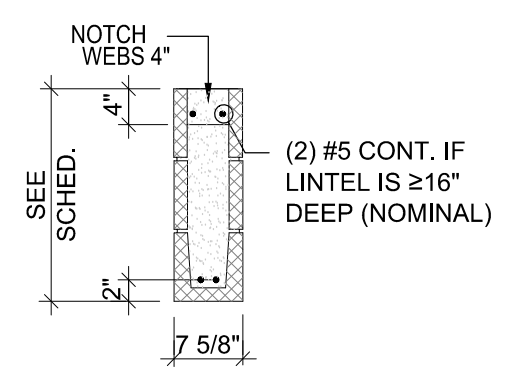
TYP. CMU WALL CORNER & INTERSECTION WITH PREFABRICATED CORNERS & TEES

MASONRY WALL LINTEL SCHED.

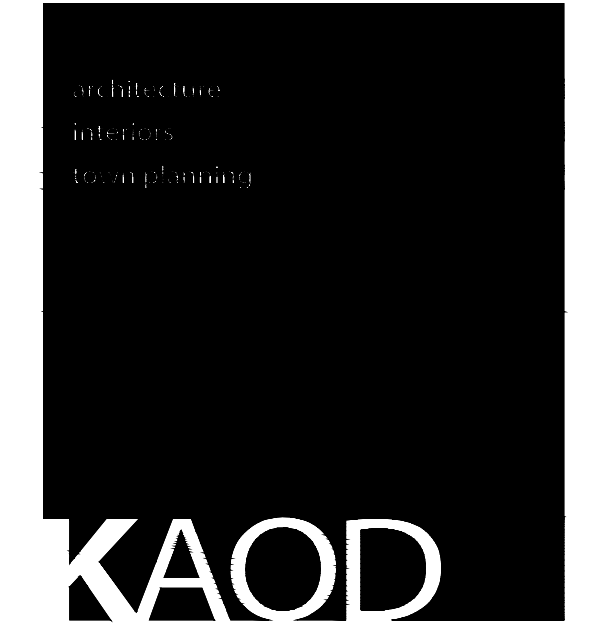
OPENING WIDTH	MASONRY LINTELS		8" WALL
	MIN.	MAX.	
-	4'-6"	7 5/8"	(2)#5 BOTT.
4'-7"	11'-0"	15 5/8"	(2)#5 BOTT.
11'-1"	17'-0"	23 5/8"	(2)#5 BOTT.

- ** 8" BEARING EACH END FOR U-BLOCK
- NOTES:
- THIS SCHEDULE TO BE USED UNLESS NOTED OTHERWISE.
 - DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO LINTEL.
 - DO NOT USE THIS SCHEDULE IF HEIGHT OF MASONRY ABOVE OPENING IS LESS THAN HALF OF THE OPENING WIDTH.

MASONRY WALL LINTEL SCHEDULE



MASONRY LINTEL REINFORCING CONFIG.



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SHEET TITLE:
SECTIONS AND DETAILS

SHEET NO:

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