

SAMPSON  
COUNTY 911 &  
ES FACILITIES

CLINTON,  
NORTH CAROLINA

CMU DETAILS

DATE: 12.04.2020  
PROJECT NO: 20003

REVISIONS  
NO:    DATE:    DESCRIPTION:

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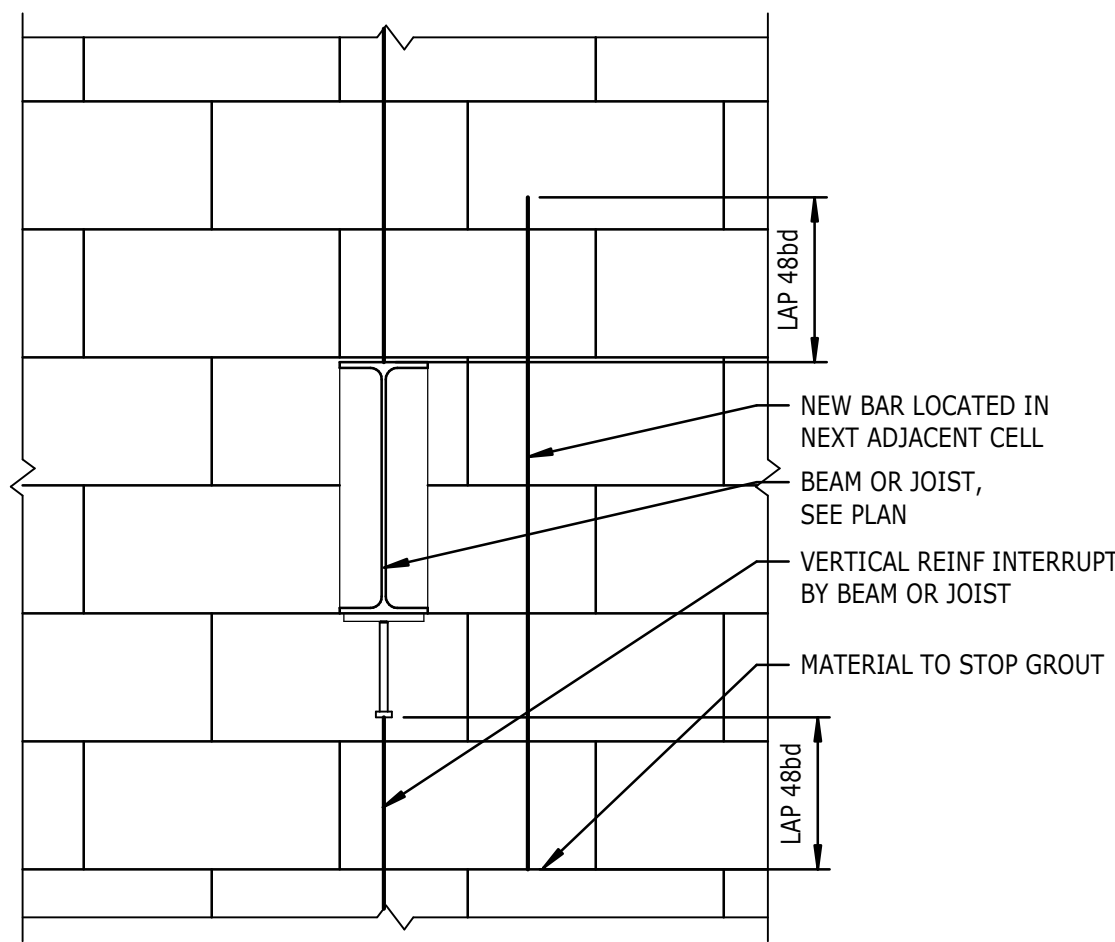


MASONRY WALL SCHEDULE						
	BRACED WALL HEIGHT	VERTICAL REINFORCING				HORIZONTAL REINFORCING
		8" CMU		12" CMU		
		VERTICAL REINFORCING	END WALL REINFORCING	VERTICAL REINFORCING	END WALL REINFORCING	
EXTERIOR, BEARING, AND NON-CANTILEVERED WALLS	UP TO 16'-0"	#6@40"OC	(1)#6	#6@48"OC	(1)#6	9 GA LADDER TYPE @16"OC
	OVER 16'-0" TO 24'-0"	#7@24"OC	(1)#7	(2)#7@40"OC	(1) SET OF 2#7	9 GA LADDER TYPE @16"OC
	OVER 24'-0" TO 30'-0"	N/A	N/A	(2)#7@32"OC	(1) SET OF (2)#7	9 GA LADDER TYPE @16"OC
	OVER 30'-0"	N/A	N/A	SEE SECTIONS	MATCH VERTICAL	9 GA LADDER TYPE @16"OC
SHEAR WALLS	SW-A	#6@40"OC	(2)#6	#6@48"OC	(1) SET OF (2)#6	9 GA LADDER TYPE @16"OC
	SW-B	#7@24"OC	(2)#7	(2)#7@40"OC	(2) SETS OF 2#7	9 GA LADDER TYPE @16"OC
	SW-C	#7@16"OC	(2)#7	(2)#7@8"OC	N/A	9 GA LADDER TYPE @16"OC
ALL OTHER WALLS SPANNING VERTICALLY	UP TO 16'-0"	#4@48"OC	(1)#4	#4@48"OC	(1)#4	9 GA LADDER TYPE @16"OC
	OVER 16'-0" TO 30'-0"	#6@40"OC	(1)#6	#5@48"OC	(1)#5	9 GA LADDER TYPE @16"OC
	OVER 30'-0"	SEE SECTIONS	MATCH VERTICAL	SEE SECTIONS	MATCH VERTICAL	9 GA LADDER TYPE @16"OC

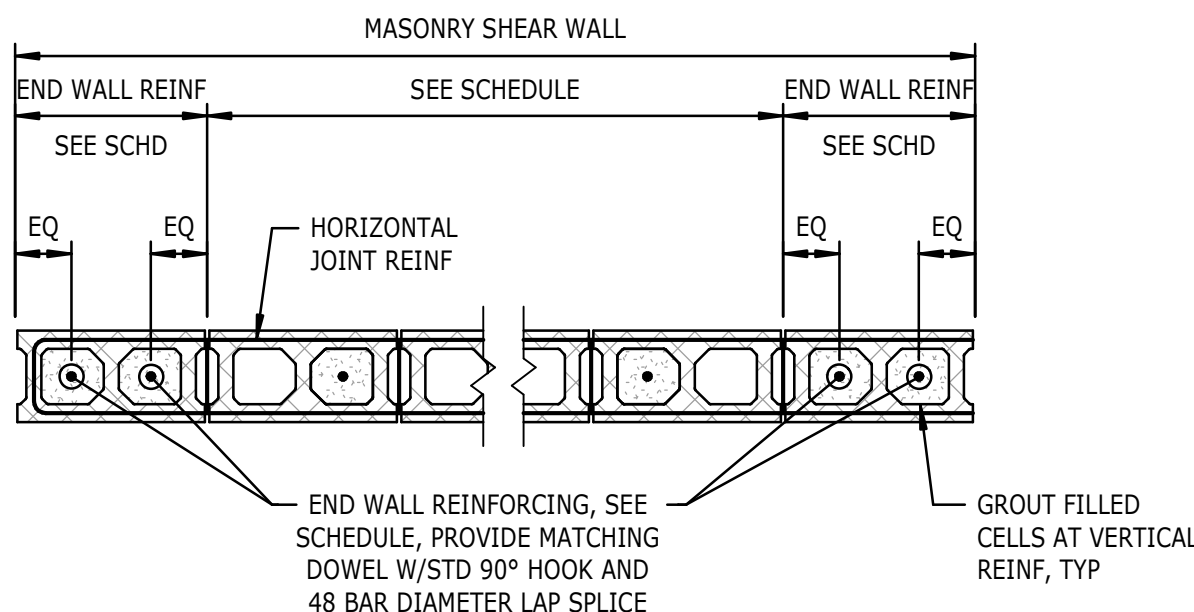
- NOTES:
1. PROVIDE DOWELS EXTENDING INTO FOUNDATIONS FOR ALL VERTICAL REINFORCING BARS. SIZE AND LOCATION OF DOWELS TO MATCH VERTICAL REINFORCING.
  2. DRILL AND SET IN ADHESIVE ALL VERTICAL REINFORCING FOR INTERIOR NON-BEARING WALLS WITH 2 1/2" EMBED INTO CONCRETE SLAB.
  3. ALL NON-LOAD BEARING, NON-SHEAR WALLS, INTERIOR PARTITION WALLS SHALL SPAN EITHER VERTICALLY OR HORIZONTALLY. SEE GUIDELINES BELOW FOR HORIZONTAL AND VERTICAL SPANNING WALLS IN DETAILS.
  4. REFER TO PLAN FOR SHEAR WALL LOCATIONS. ENDS OF SHEAR WALLS OCCUR AT WALL INTERRUPTIONS DUE TO COLUMNS, WINDOWS, DOORS, END OF WALLS, CONTROL JOINTS, EXPANSION JOINTS, ETC. REFER TO DETAILS FOR END OF WALL REINFORCING.
  5. PROVIDE (2)#5 BARS IN BOND BEAM AT EACH ELEVATED FLOOR LEVEL AT TOPS OF WALLS AND AS INDICATED IN SECTIONS AND SCHEDULES.
  6. ALL MASONRY TO BE CONSTRUCTED IN RUNNING BOND BEAM PATTERN WITH INTERLOCKING CORNERS.

- VERTICAL SPANNING WALLS:
1. ALL VERTICAL SPANNING WALLS ARE TO BE ANCHORED TO STEEL STRUCTURE PER OTHER DETAILS.
  2. ALL WALLS NOT EXTENDING TO STRUCTURE SHALL BE Laterally BRaced IN ACCORDANCE WITH OTHER DETAILS.

**1**  
S403    WALL REINFORCING SCHEDULE  
3/4" = 1'-0"

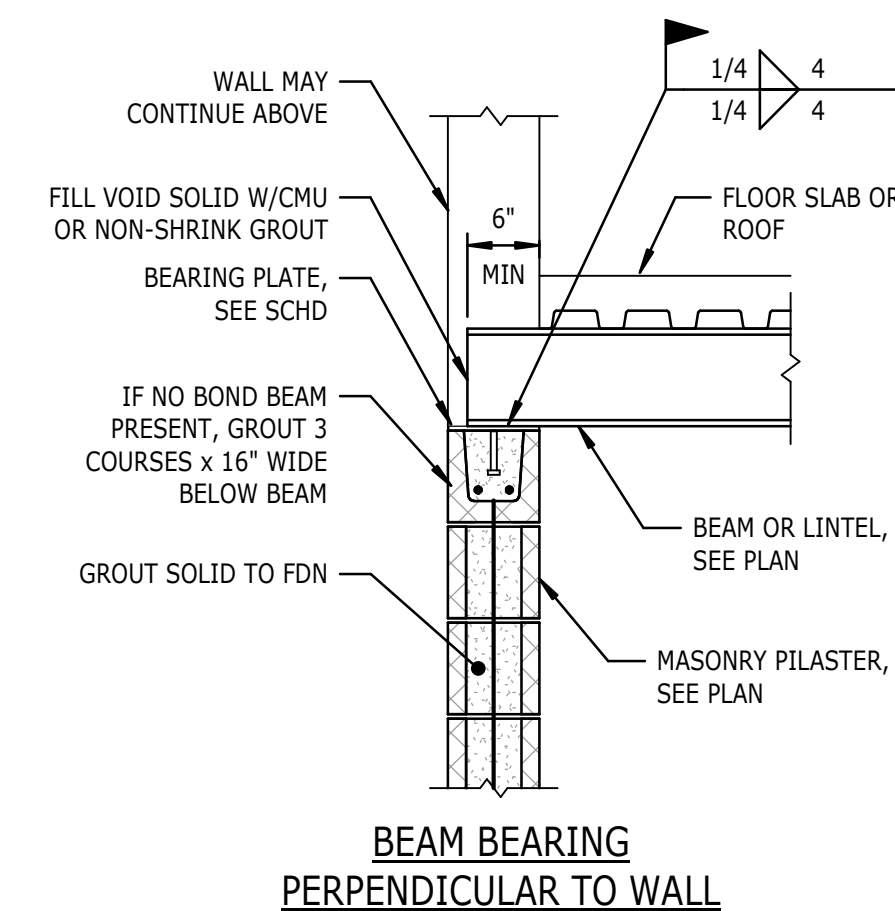


**7**  
S403    TYPICAL INTERRUPTED REINFORCING  
1" = 1'-0"

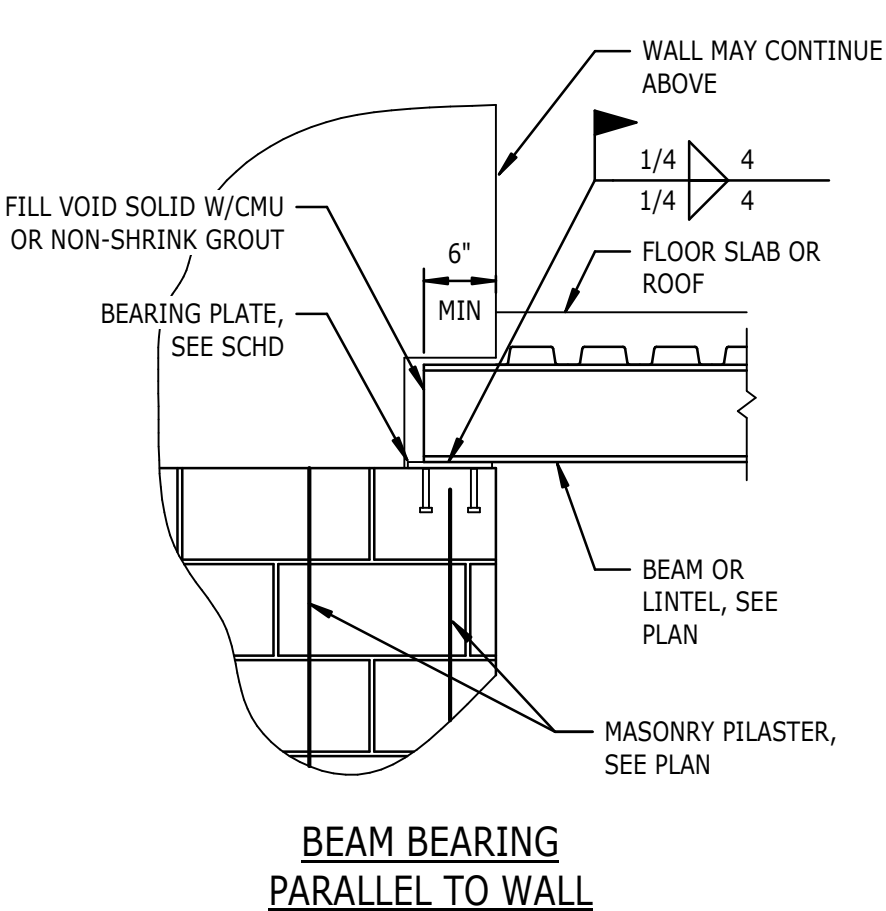


- NOTES:
1. ALTERNATE COURSES (LAY BLOCK IN RUNNING BOND).
  2. SEE SHEAR WALL SCHEDULE FOR HORIZONTAL REINFORCING.
  3. AT 12" CMU BARS MAY EB DOUBLE. TWO BARS PER CELL IS A BAR "SET".

**3**  
S403    TYPICAL SHEAR WALL REINFORCING  
3/4" = 1'-0"



**4**  
S403    TYPICAL STEEL BEAM BEARING DETAILS  
3/4" = 1'-0"



BEARING PLATE SCHEDULE				
MARK	THICKNESS	WIDTH	LENGTH	# OF x6" LONG HEADED STUDS
CASE 1	1/2"	7"	7"	(2)1/2"Ø
CASE 2	1/2"	11"	11"	(4)1/2"Ø
CASE 3	3/4"	7"	12"	(4)1/2"Ø
CASE 4	3/4"	11"	16"	(4)1/2"Ø

CASE 1 = AT JOIST, BEAMS NOT SUPPORTING OTHER BEAMS, AND LINTELS BEARING ON 8" WALLS.

CASE 2 = AT JOIST, BEAMS NOT SUPPORTING OTHER BEAMS, AND LINTELS BEARING ON 12" WALLS.

CASE 3 = AT BEAMS SUPPORTING JOISTS OR OTHER BEAMS BEARING ON 8" WALLS.

CASE 4 = AT BEAMS SUPPORTING JOISTS OR OTHER BEAMS BEARING ON 12" WALLS.