

| NON-LOAD BEARING CMU SCHEDULE | | | | |
|-------------------------------|--------------------|----------------------|----------------------|-------------------------|
| | BRACED WALL HEIGHT | VERTICAL REINFORCING | | HORIZONTAL REINFORCING |
| | | 8" CMU | END WALL REINFORCING | |
| ALL NON-LOAD BEARING WALLS | ALL HEIGHTS | #5@16 | #5@16 | 9 GA LADDER TYPE @16"OC |

9 DETAIL

S4.1 NON-LOAD BEARING CMU SCHEDULE

- NOTES:
- BRACE THE TOP OF WALL BASED ON 2/S4.1.
 - PROVIDE DOWELS EXTENDING INTO FOUNDATIONS FOR ALL VERTICAL REINFORCING BARS. SIZE AND LOCATION OF DOWELS TO MATCH VERTICAL REINFORCING.
 - 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.
 - 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.
 - PROVIDE (2)#5 BARS IN BOND BEAM AT EACH FLOOR LEVEL AT TOPS OF WALLS AND AS INDICATED IN SECTIONS AND SCHEDULES.
 - PROVIDE (2)#5 BARS IN BOND BEAMS AT EACH FLOOR LEVEL AT TOPS OF WALLS AND AS INDICATED IN SECTIONS AND SCHEDULES.
 - ALL MASONRY TO BE CONSTRUCTED IN RUNNING BOND BEAM PATTERN WITH INTERLOCKING CORNERS.

HORIZONTAL SPANNING WALLS:

- WALLS CAN NOT SPAN HORIZONTALLY GREATER THAN 36 TIMES THE WALL THICKNESS.
- WALLS TO BE INTERLOCKED WITH "T" TYPE HORIZONTAL LADDER TYPE REINFORCING.
- PROVIDE MASONRY WIRE TIES @24"OC ON COLUMNS ADJACENT TO HORIZONTALLY SPANNING MASONRY.

VERTICAL SPANNING WALLS:

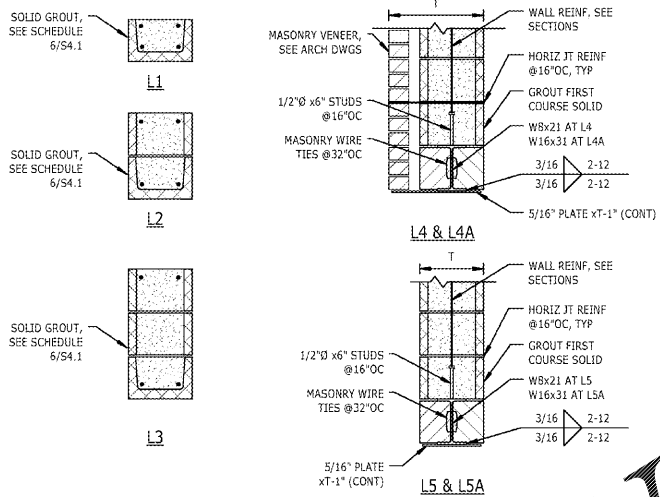
- ALL VERTICAL SPANNING WALLS ARE TO BE ANCHORED TO STEEL STRUCTURE PER OTHER DETAILS.
- ALL WALLS NOT EXTENDING TO STRUCTURE SHALL BE LATERALLY BRACED IN ACCORDANCE WITH OTHER DETAILS.

| LOAD BEARING CMU LINTEL SCHEDULE | | | | | |
|----------------------------------|---------|-------------|--------------------|----------------------------|------------|
| MARK | SIZE | REINFORCING | BEARING PLATE SIZE | # OF #6" LONG HEADED STUDS | NOTES |
| L1 | 12"x8" | (2)#5 T&B | NA | NA | SEE 3/S4.1 |
| L2 | 12"x16" | (2)#5 T&B | NA | NA | SEE 3/S4.1 |
| L3 | 12"x24" | (2)#5 T&B | NA | NA | SEE 3/S4.1 |

6 DETAIL

S4.1 LOAD BEARING LINTEL SCHEDULE

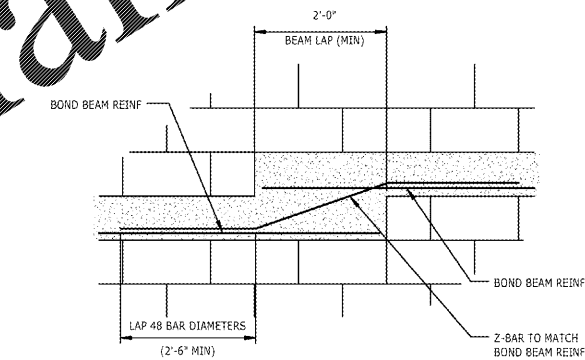
- NOTES:
- SEE PLAN FOR LINTEL LOCATIONS. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES.
 - FOR LINTELS IN CMU WALLS, PROVIDE 1" MINIMUM CLEAR SPACE AROUND ALL REINFORCING.



7 DETAIL

S4.1 CMU WALL OPENING STEEL LINTEL

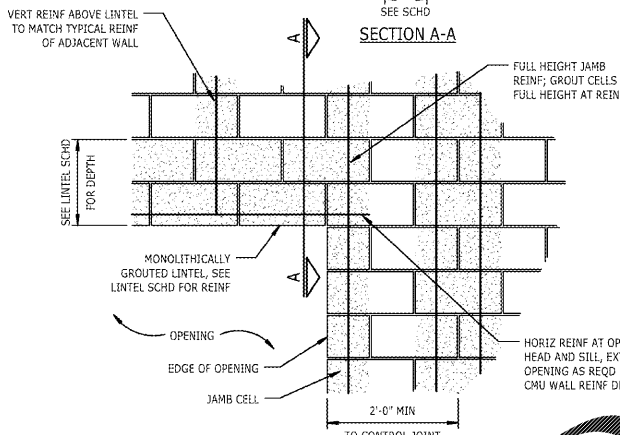
- NOTES:
- FOR LINTELS IN CMU WALLS, MATCH CORRESPONDING WALL WIDTH.
 - 1" MINIMUM CLEAR SPACE SHALL BE PROVIDED AROUND ALL REINFORCING.
 - WALL ABOVE LINTEL SHALL BE REINFORCED VERTICALLY TO MATCH TO WALL ON EITHER SIDE OF LINTEL.
 - HORIZONTAL REINFORCING SHALL EXTEND BEYOND EDGE OF OPENING PER LINTEL/JAMB REINFORCING DETAILS THIS SHEET.
 - LINTEL OVER OPENINGS NOTE SHOWN ON PLAN SHALL BE AS FOLLOWS (INTERIOR OR EXTERIOR WALLS):
 - FOR OPENINGS UP TO 5'-0", PROVIDE TYP L1 LINTEL FOR OPENINGS UP TO 5'-0" IN CMU + BRICK WALL, PROVIDE TYP L1 LINTEL AND SEE LINTEL SCHEDULE FOR SIZE OF ANGLE.
 - FOR OPENING 5'-1" TO 10'-0" IN CMU + BRICK WALL, PROVIDE TYP L2 LINTEL WITH 8" BEARING. FOR OPENINGS 5'-1" TO 10'-0" IN CMU WALLS, PROVIDE TYP L3 LINTEL WITH 8" BEARING.
 - FOR OPENING 10'-1" TO 16'-0" IN CMU + BRICK WALL, PROVIDE TYP L4 LINTEL WITH 8" BEARING. FOR OPENINGS 10'-1" TO 16'-0" IN CMU WALLS, PROVIDE TYP L5A LINTEL WITH 8" BEARING.
 - ALL EXTERIOR LINTELS SHALL BE HOT-DIPPED GALVANIZED.
 - STEEL FABRICATOR TO INSTALL WIRE TIES TO BEAM UNDER LINTEL FABRICATION. COORDINATE LOCATION AND SPACING WITH MASONRY CONTRACTOR.



8 DETAIL

S4.1 TYPICAL STEP IN CMU BOND BEAM

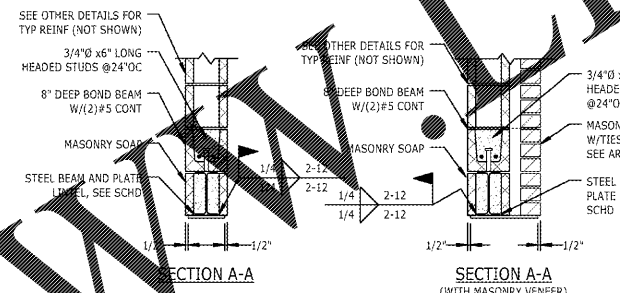
- NOTES:



3 DETAIL

S4.1 CMU LINTEL AND JAMB CONSTRUCTION

- NOTES:
- TYPICAL WALL REINFORCING AND CONTROL JOINT DETAIL NOT SHOWN FOR CLARITY.



4 DETAIL

S4.1 STEEL BEAM LINTEL AND JAMB CONSTRUCTION

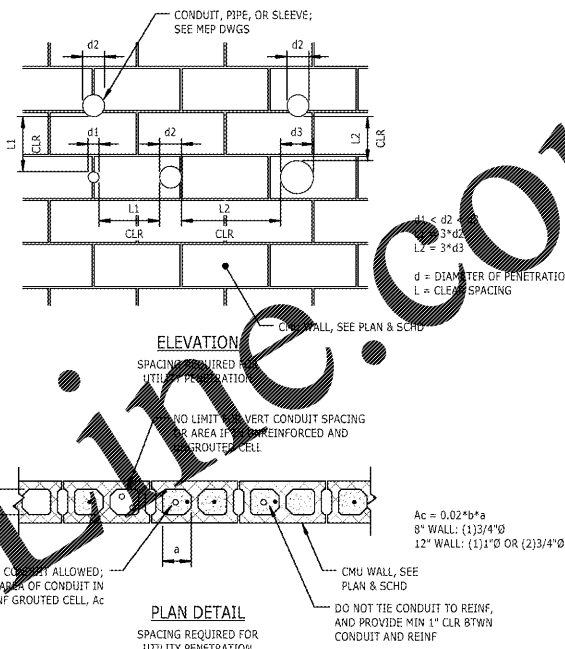
- NOTES:

| NON-LOAD BEARING OR SHEAR WALL CMU LINTEL SCHEDULE | | | | |
|--|-------|--------|--------|---------|
| LINTEL SIZE | 8"x8" | 8"x16" | 12"x8" | 12"x16" |
| 3'-4" | (1)#3 | NA | (2)#4 | NA |
| 4'-0" | (2)#3 | NA | (2)#4 | NA |
| 4'-8" | (2)#4 | NA | (2)#4 | NA |
| 5'-4" | (2)#4 | NA | (2)#5 | NA |
| 6'-0" | (2)#4 | (2)#4 | (2)#5 | (2)#4 |
| 6'-8" | NA | (2)#4 | NA | (2)#4 |
| 7'-4" | NA | (2)#4 | NA | (2)#5 |
| 8'-0" | NA | (2)#4 | NA | (2)#5 |
| 8'-8" | NA | (2)#5 | NA | (2)#6 |
| 9'-4" | NA | (2)#5 | NA | (2)#6 |

5 DETAIL

S4.1 NON-LOAD BEARING CMU LINTEL SCHEDULE

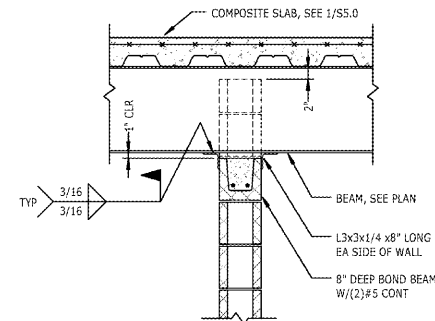
- NOTES:
- THIS SCHEDULE APPLIES TO OPENINGS IN ALL NON-LOAD BEARING WALLS AND PARTITIONS.
 - SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS.
 - PROVIDE 8" OF BEARING AT EACH END OF ALL OPENINGS.
 - DO NOT PLACE CONTROL JOINT IN CMU LINTEL OR WITHIN 8" OF JAMB.



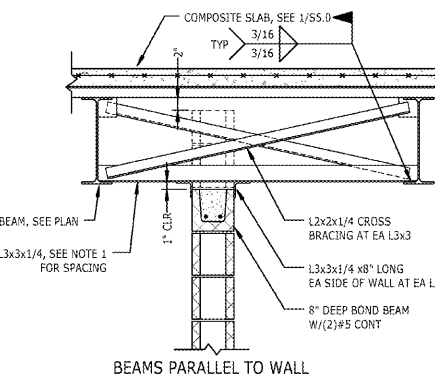
1 DETAIL

S4.1 CONDUIT PENETRATIONS IN CMU WALL

- NOTES:
- REFER TO MEP DRAWINGS FOR ALL TELECOM, CONDUIT, AND PIPES 8" AND SMALLER. CONTRACTOR TO FOLLOW DETAIL SPACING REQUIREMENTS FOR LAYOUT. IF SPACING CANNOT BE MAINTAINED, PENETRATIONS MUST BE GROUPED BELOW CMU LINTEL. SEE ADDITIONAL TYPICAL DETAILS.
 - CONDUITS SHALL NOT PENETRATE BOND BEAMS NOR LINTELS.
 - PIPES WITH LIQUID, GAS, OR VAPORS HIGHER THAN 150°F ARE NOT PERMITTED VERTICALLY WITHIN WALLS.
 - PIPES WITH PRESSURE IN EXCESS OF 55 PSI ARE NOT PERMITTED VERTICALLY WITHIN WALLS.
 - PIPES WITH WATER OR LIQUID SUBJECT TO FREEZING ARE NOT PERMITTED VERTICALLY WITHIN WALLS.



BEAMS PERPENDICULAR TO WALL



BEAMS PARALLEL TO WALL

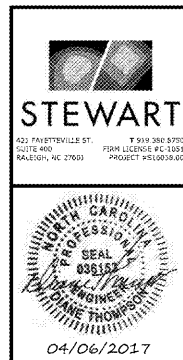
2 DETAIL

S4.1 TYPICAL INTERIOR PARTITION BRACING AT ELEVATED SLAB

- NOTES:
- THIS DETAIL APPLIES WHERE THE DISTANCE BETWEEN INTERSECTING WALLS EXCEEDS 24'-0" FOR 8" CMU OR LARGER, 18'-0" FOR 6" CMU, OR 12'-0" FOR 4" CMU.



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TYPICAL CMU SECTIONS AND DETAILS

S4.1

Order Plans