

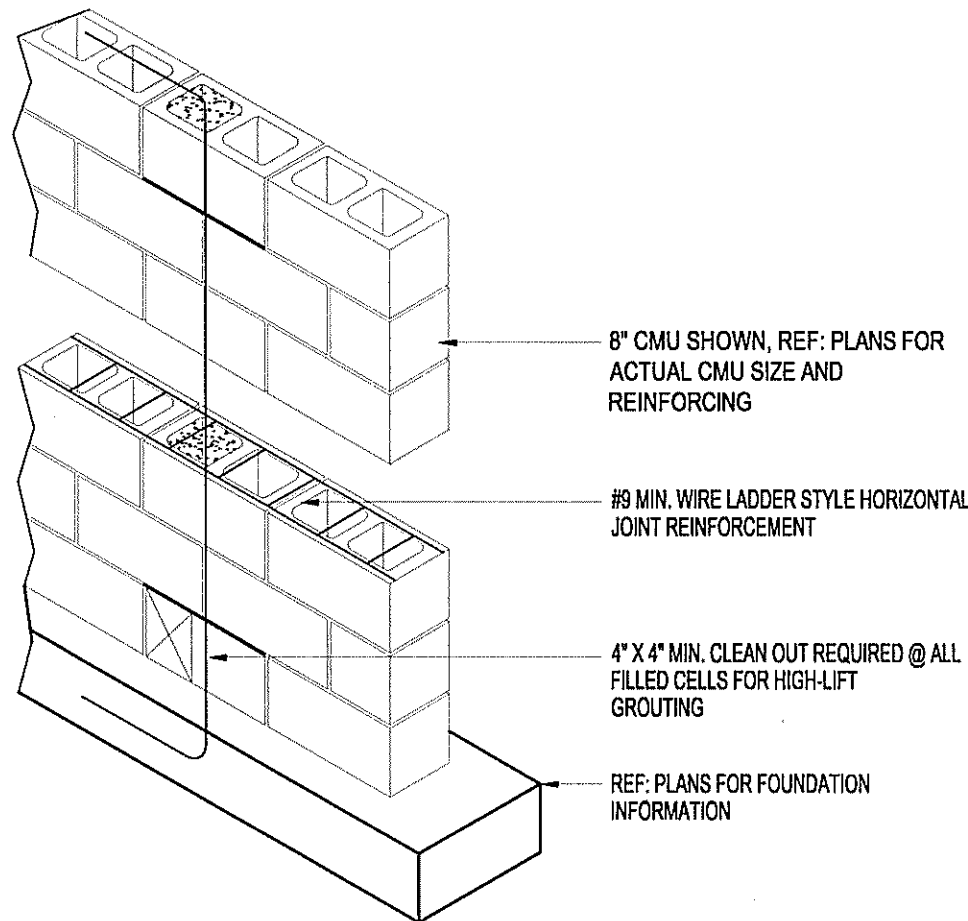
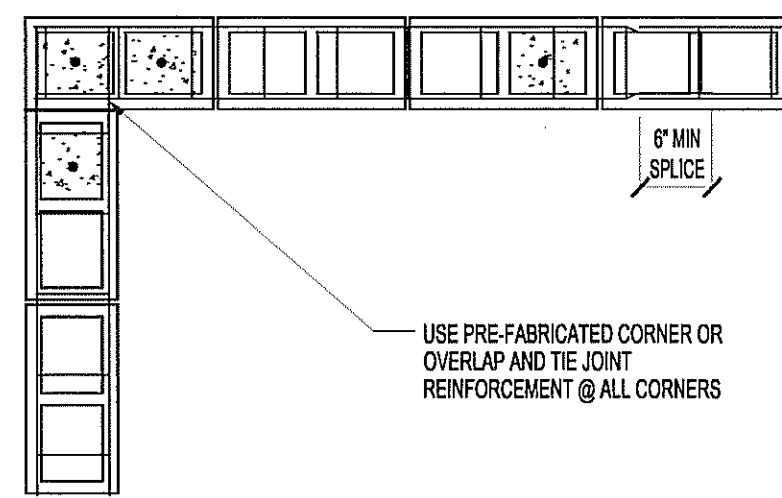


CONCRETE MASONRY UNITS (CMU)

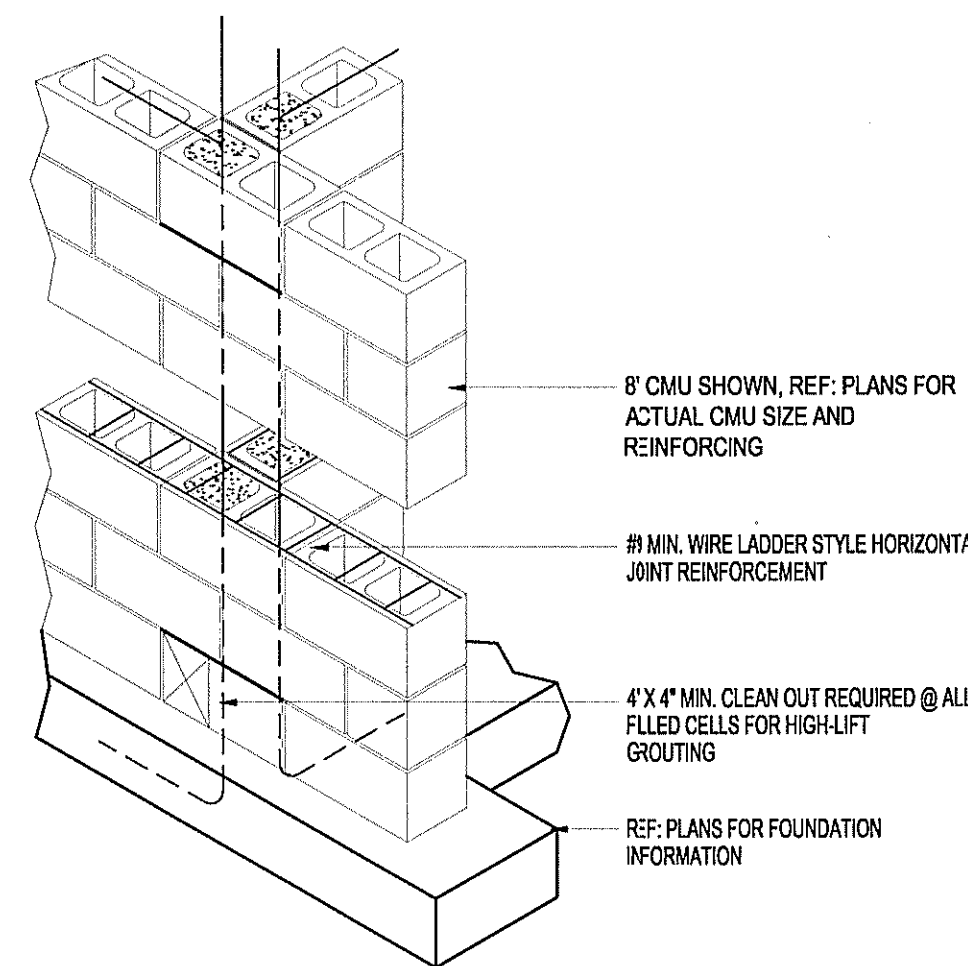
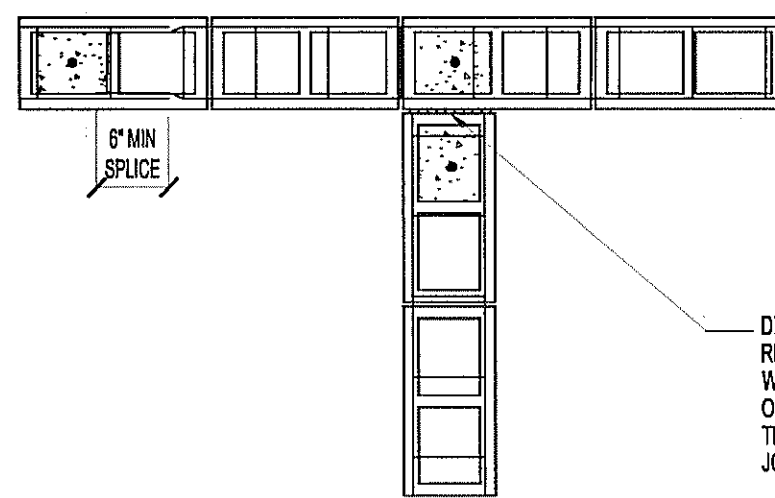
- A. ALL MASONRY WORK SHALL CONFORM TO ACI SPECS FOR MASONRY STRUCTURES (ACI 530).
- B. CONCRETE BLOCK SHALL CONFORM TO ASTM C90, TYPE II, WITH A MIN. NET COMPRESSIVE STRENGTH AT 28-DAYS OF 1900 PSI (F_m = 1500 PSI), NORMAL WEIGHT UNITS U.O.N.
- C. BELOW GRADE, MORTAR SHALL BE TYPE M. ABOVE GRADE, M OR S. GROUT TO CONFORM TO ASTM C270.
- D. GROUT FOR FILLED CELLS SHALL CONFORM TO ASTM C476, AND SHALL HAVE A SLUMP OF BETWEEN 8" AND 10". GROUT COMPRESSIVE STRENGTH SHALL BE 3000 PSI AT 28 DAYS. 4"x4" MINIMUM CLEANOUTS REQUIRED FOR GROUT POURS EXCEEDING 4'.
- E. PLACE ALL MASONRY IN RUNNING BOND WITH 3/8" MORTAR JOINTS. PROVIDE COMPLETE COVERAGE FACE SHELL MORTAR BEDDING, HORIZONTAL AND VERTICAL. PROVIDE FULL MORTAR WEBS IN ALL COURSE OF GROUTED CELLS AND CELLS ADJACENT TO GROUTED CELLS.
- F. MASONRY CONTROL JOINTS SHALL BE LOCATED AT 26'-0" O.C. FOR EXTERIOR WALLS AND 32'-0" O.C. FOR INTERIOR WALLS, U.O.N., TIE BEAM / BOND BEAM REINF. SHALL BE CONT.
- G. PROVIDE 8" DEEP PRECAST REINFORCED CONCRETE LINTELS OVER ALL MASONRY OPENINGS NOT SHOWN TO HAVE A STRUCTURAL BEAM. MINIMUM END BEARING SHALL BE 6". LINTEL WIDTH TO MATCH MASONRY WIDTH.
- H. ALL EPOXY ANCHORS USED IN MASONRY SHALL OCCUR AT GROUTED, REINFORCED CELLS AND BE HLTH HIT-HY150.
- I. ALL EMBED PLATES SHALL OCCUR AT GROUTED, REINFORCED CELLS WITH FACE SHELLS REMOVED.
- J. WHEREVER LARGER WIDTH CMU BASE COURSES BECOME SMALL WIDTH CMU ABOVE, A SINGLE COURSE BOND BEAM MUST BE PROVIDED. THIS BOND BEAM SHALL BE K.O. / LINTEL BLOCK WITH (2) #5 CONT., UNLESS OTHERWISE NOTED IN PLANS.
- K. REINFORCING, UNLESS OTHERWISE NOTED (U.O.N.) IN PLANS:
 1. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
 2. ALL OPENINGS IN CMU SHALL BE REINFORCED WITH AT LEAST (1) #5 BAR AT THE TOP, BOTTOM AND BOTH SIDES OF THE OPENING
 3. BOND BEAM AT ROOF LEVEL SHALL BE DOUBLE COURSE K.O. / LINTEL BLOCK WITH (2) #5 CONT. BARS EACH COURSE, AND BOND BEAM AT PARAPET LEVEL SHALL BE SINGLE COURSE K.O. / LINTEL BLOCK WITH (2) #5 CONT. BARS.
 4. LAP SPLICES SHALL BE AS FOLLOWS:

BAR SIZE	SPLICE LENGTHS
#5	45"
#6	54"
#7	63"

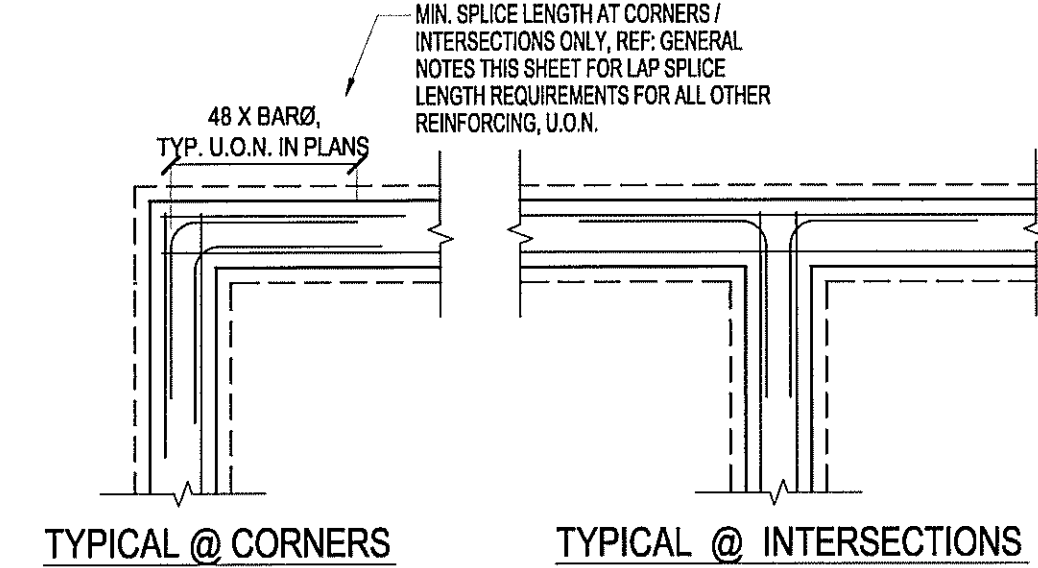
 NOTE: MECHANICAL SPLICES OF ACI TYPE 1 OR TYPE 2 MAY BE USED IN LIEU OF LAP SPLICES
 5. HORIZONTAL WALL REINFORCING SHALL BE 9 GA. GALVANIZED LADDER TYPE @ 16" O.C. VERT.
 6. ALL REINFORCING HOOKS AND BENDS SHALL BE STANDARD ACI TYPE.
 7. ALL WALL DOWELS SHALL MATCH REINFORCING SIZE AND QTY.
 - L. PAFS NOT PERMITTED AT MASONRY
 - M. ALL MASONRY LOCATED BELOW GRADE SHALL BE GROUTED SOLID.



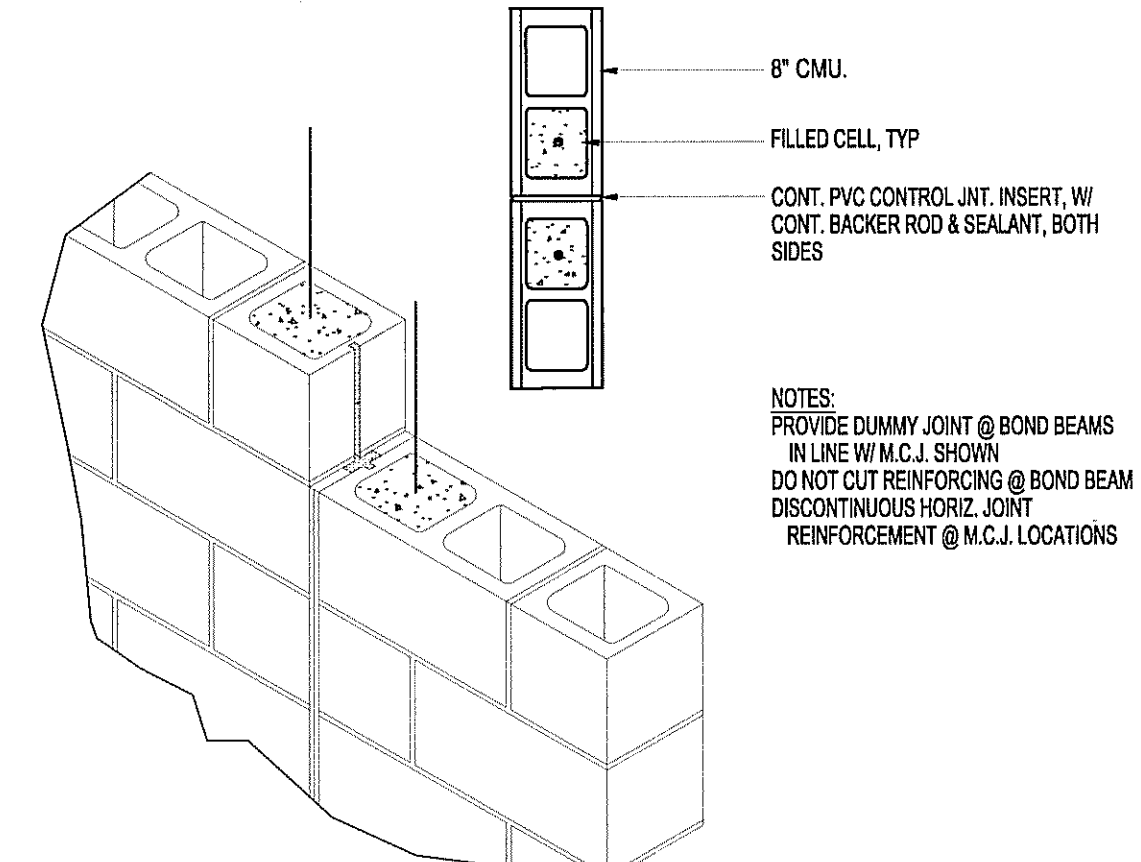
1 MASONRY WALL DETAIL
SCALE: 3/4"=1'-0"
REF: 20080501



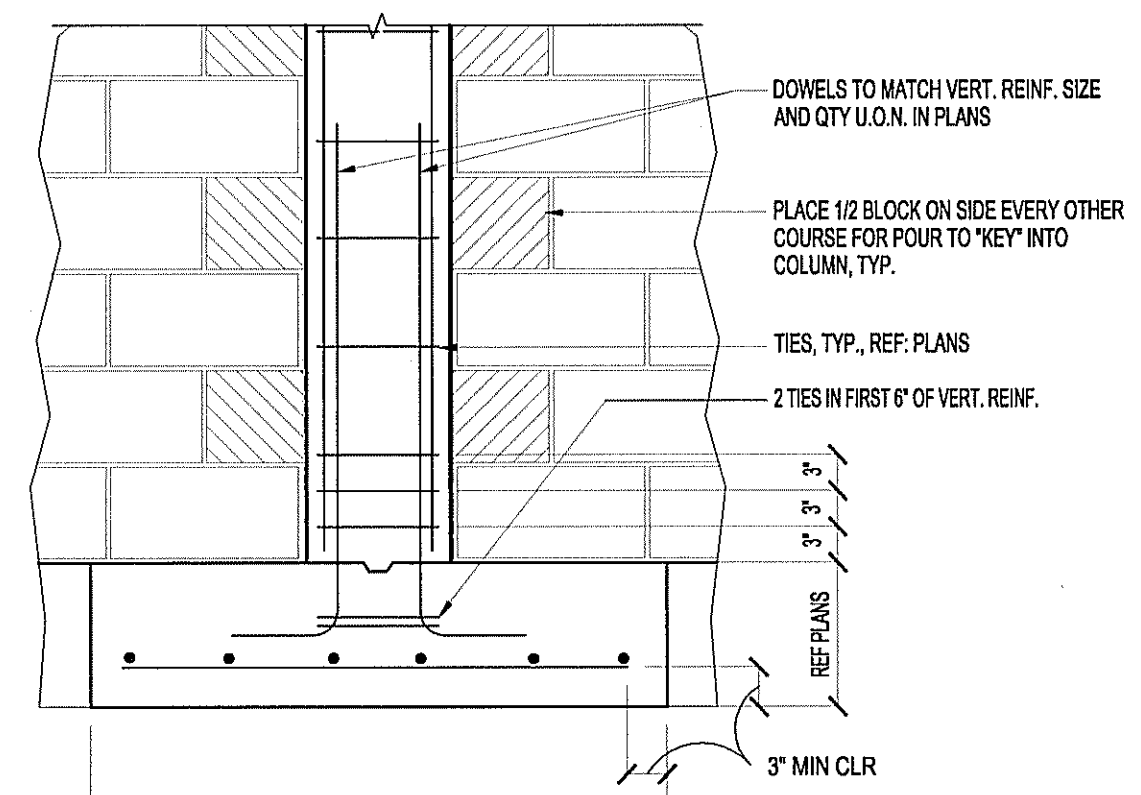
2 MASONRY WALL DETAIL
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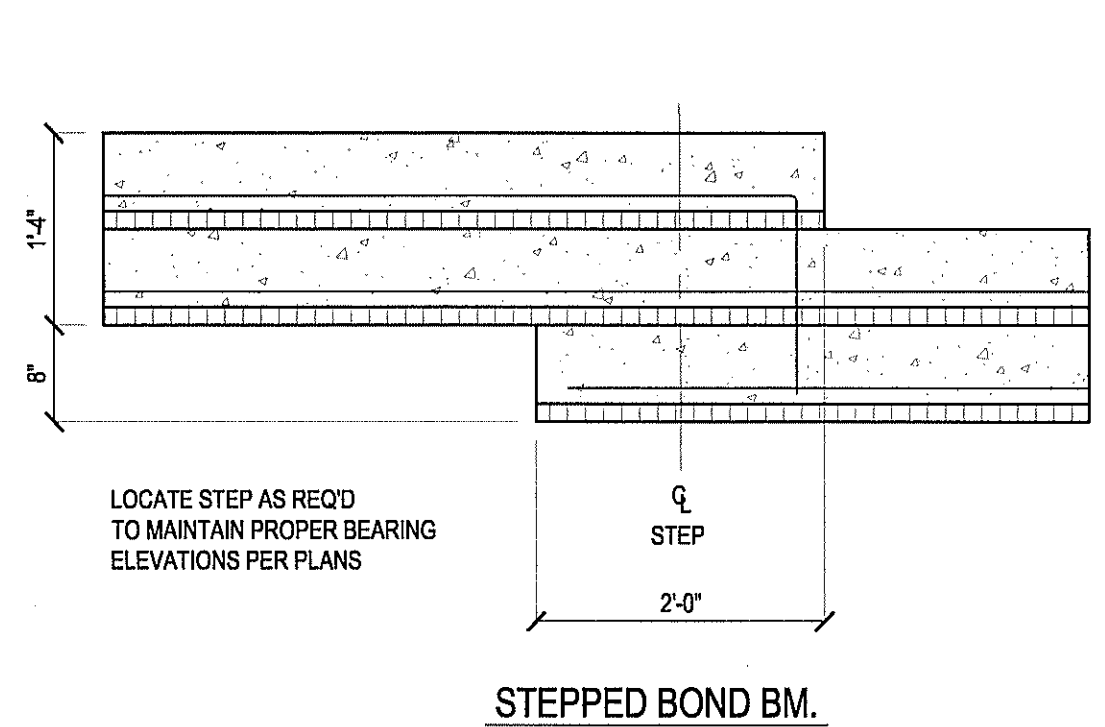
5 MASONRY WALL COLUMN
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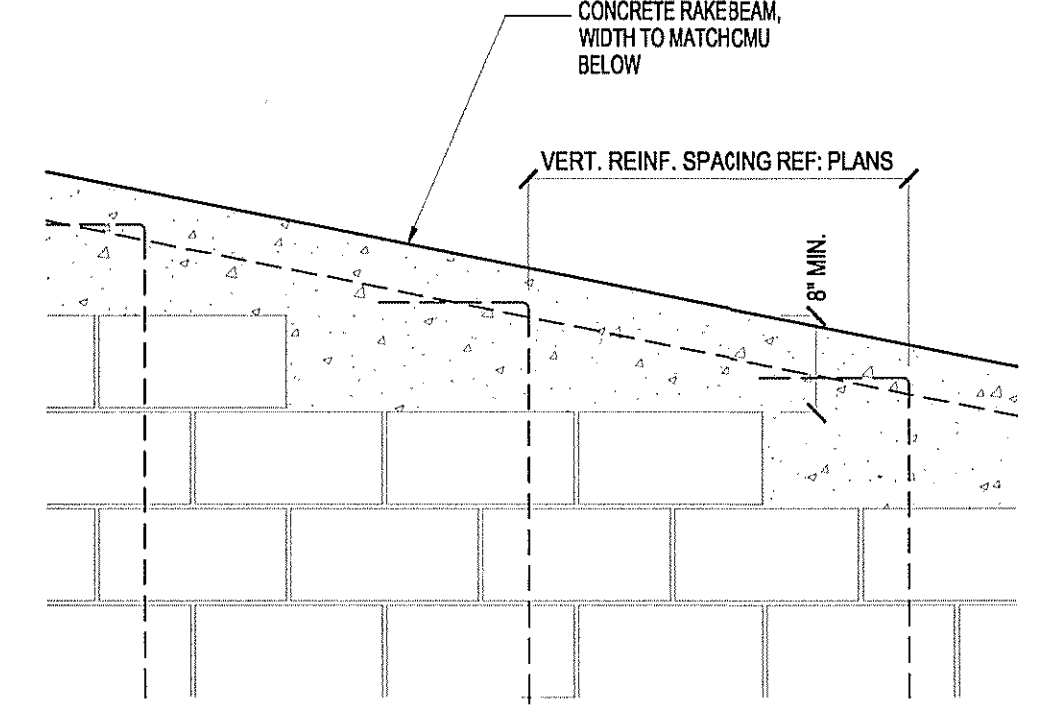
4 MASONRY CONTROL JOINT
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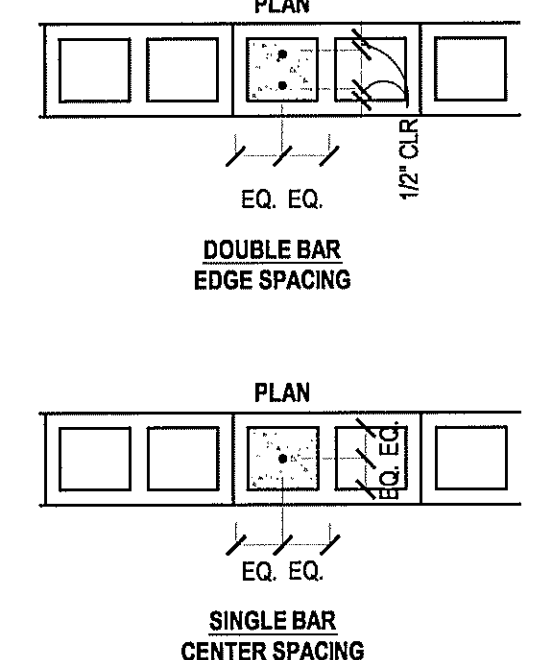
6 CONCRETE WALL COLUMN
SCALE: 3/4"=1'-0"
REF: 20080501



7 TYP. MAS. WALL PROFILE (U.O.N.)
SCALE: 3/4"=1'-0"
REF: 20080501

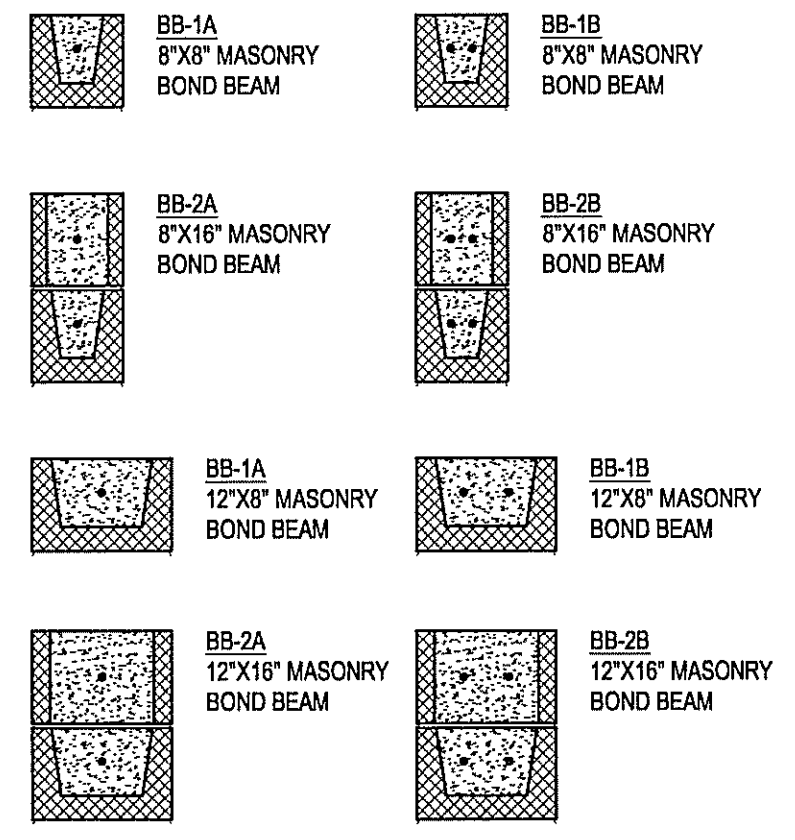


8 STEPPED BOND BEAM
SCALE: 3/4"=1'-0"
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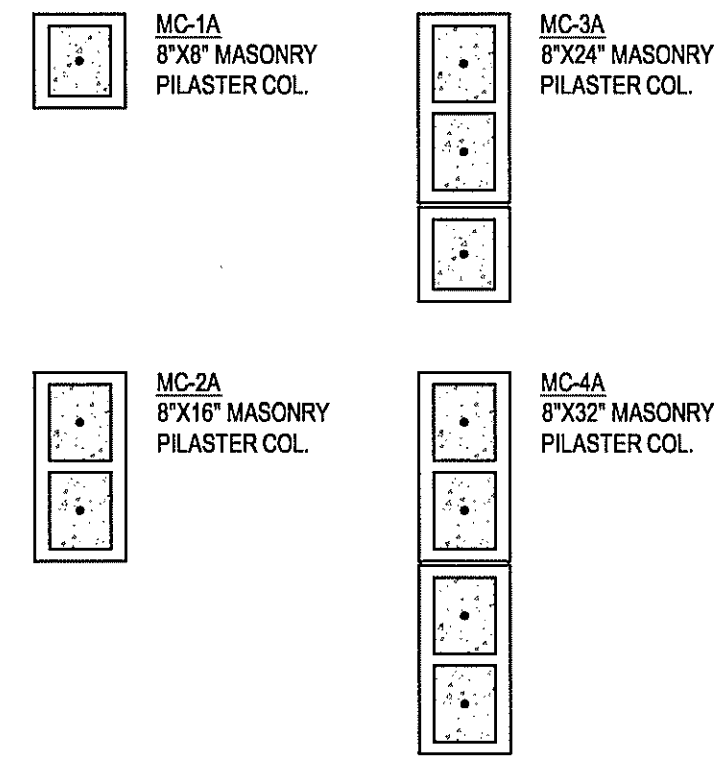


9 RAKE BEAMS
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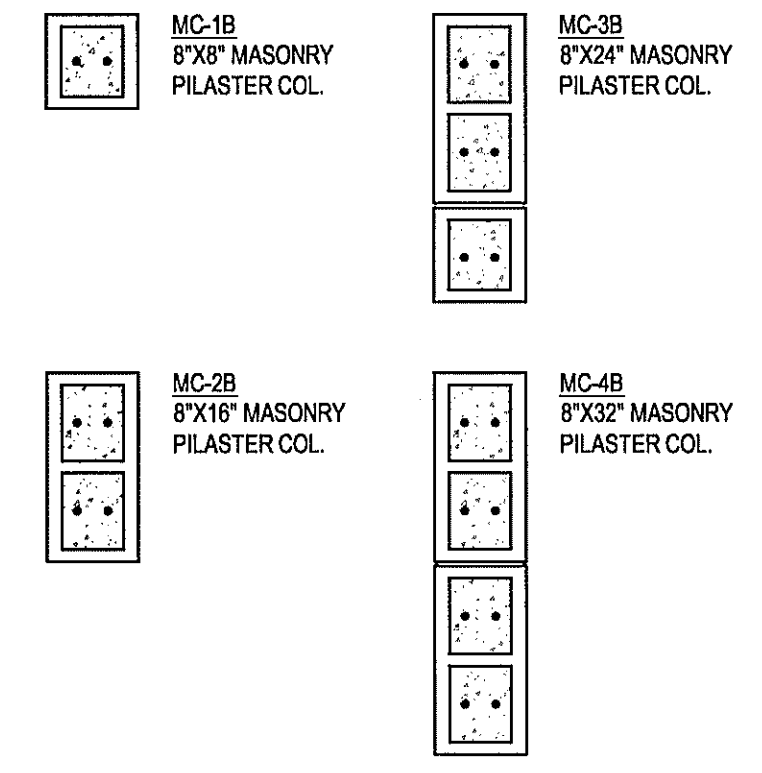
10 VERTICAL BAR PLACEMENT
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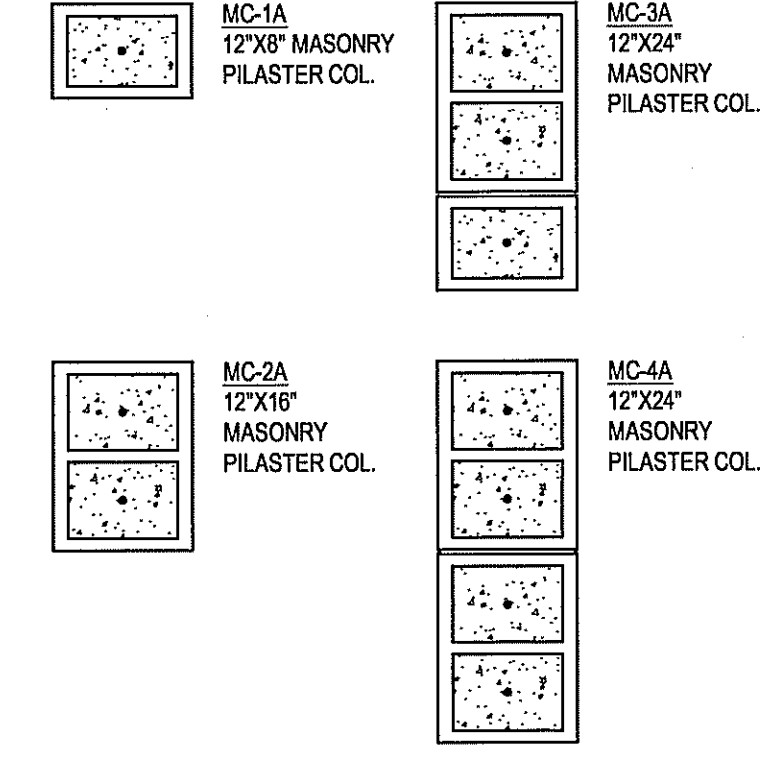
11 BOND BEAMS
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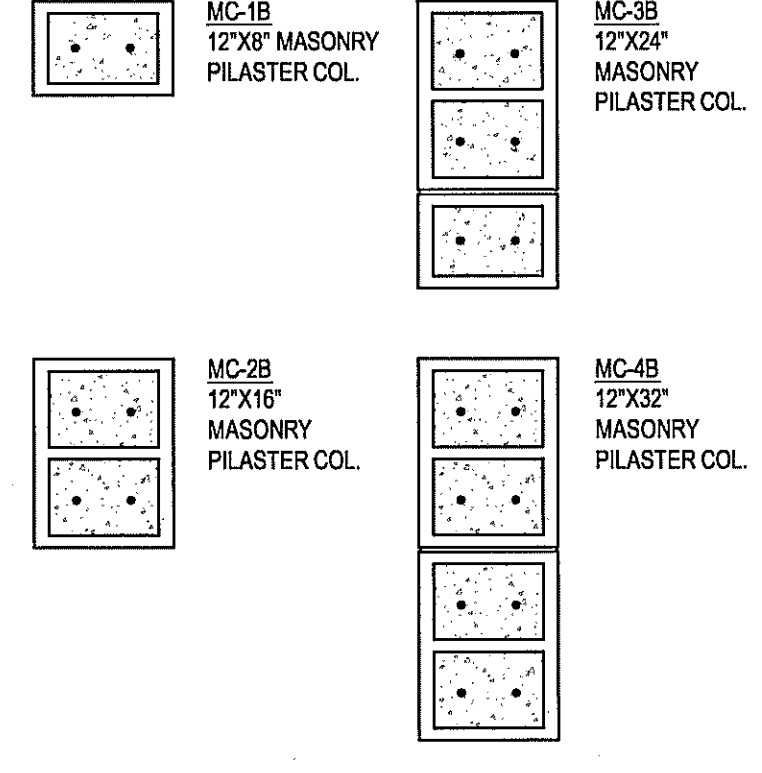
12 MAS. COL 1X 8"
SCALE: 3/4"=1'-0"
REF: 20080501



13 MAS. COL 2X 8"
SCALE: 3/4"=1'-0"
REF: 20080501



14 MAS. COL 1X 12"
SCALE: 3/4"=1'-0"
REF: 20080501



15 MAS. COL 2X 12"
SCALE: 3/4"=1'-0"
REF: 20080501

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N.E.C. SR 100 and Belle Terre Parkway
Palm Coast, Florida

CLIENT NAME
PROJECT NAME
SHEET TITLE
MASONRY GENERAL INFORMATION

BRETT NYLANDS
EFL 59089

S002

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RELEASE

PROJECT NO. 200850	DATE 09/20/09	DRAWN BY DR	CHECKED BY BR
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