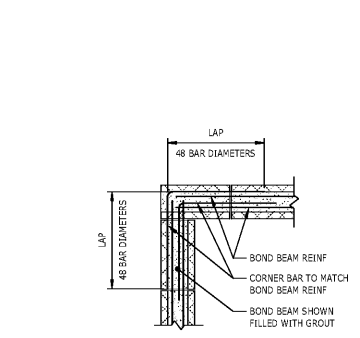
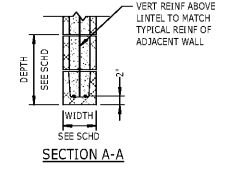


11 DETAIL
S-401 CMU LINTEL AND JAMB CONSTRUCTION
NTS
NOTES:
1. TYPICAL WALL REINFORCING AND CONTROL JOINT REINFORCING NOT SHOWN FOR CLARITY.



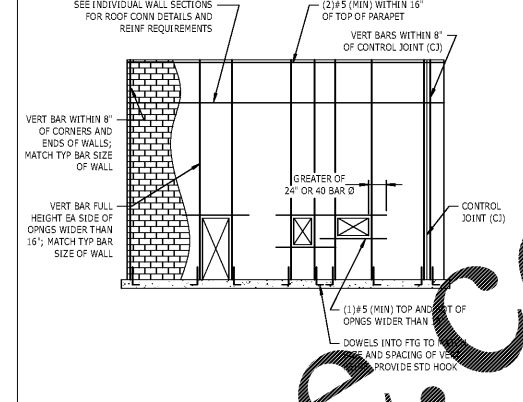
7 DETAIL
S-401 TYPICAL BOND BEAM CORNER
NTS

MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE

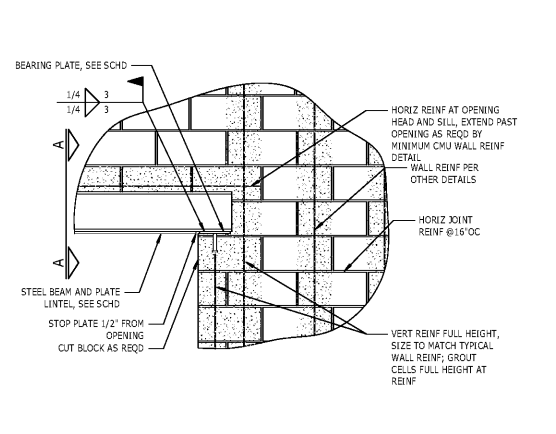
BAR SIZE	LAP SPLICE
#3	18"
#4	24"
#5	30"
#6	36"
#7	42"
#8	48"

(DELETE THIS NOTE)
NOTE: UTILIZE 20% REDUCTION IN FS.

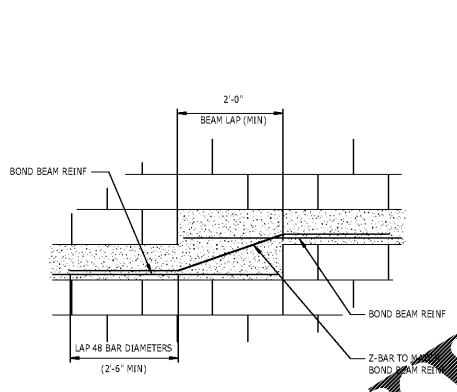
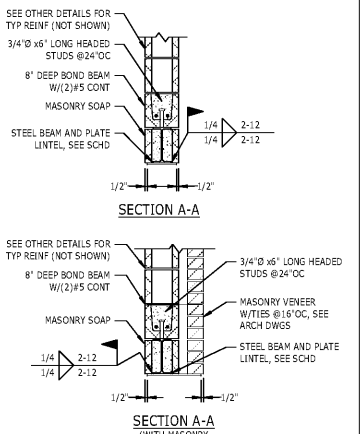
3 DETAIL
S-401 MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE
NTS



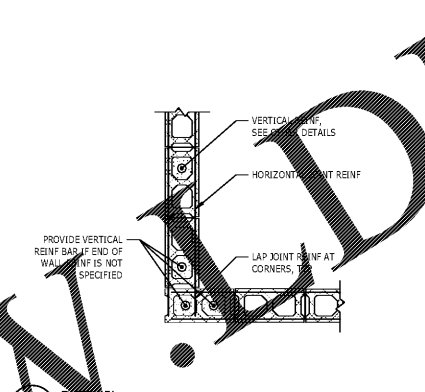
1 DETAIL
S-401 MINIMUM CMU WALL REINFORCING REQUIREMENTS, SEISMIC DESIGN CATEGORIES A, B, AND C
NTS
NOTES:
1. REINFORCING SHOWN IS A MINIMUM REQUIREMENT, INDIVIDUAL WALL SECTION REINFORCING REQUIREMENTS (BAR NUMBER OR SIZE OF BARS) SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SHOWN HEREIN. SEE INDIVIDUAL WALL SECTIONS AND ARCH DWS FOR VERTICAL REINFORCING REQUIREMENTS.
2. ALL DISCONTINUOUS REINFORCEMENT SHALL BE LAPPED PER MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE.
3. VERTICAL REIN MUST BE SECURED IN PLACE BEFORE THE BLOCKS ARE LAID. ALL VERTICAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH MASONRY LINTELS AND BOND BEAMS, UNO.
4. OPENINGS WHERE STEEL BEAM LINTELS ARE PROVIDED, REINFORCE THE JAMB CELL TO THE BEARING ELEVATION OF THE LINTEL, AND REINFORCE THE NEXT ADJACENT CELL PAST THE END OF THE BEAM FULL HEIGHT AS SHOWN IN THIS DETAIL.
5. DETAIL DOES NOT APPLY TO INTERIOR NON-LOAD BEARING PARTITION WALLS.
6. PROVIDE MINIMUM (2) LEGS OF W1.7 HORIZONTAL JOINT REINFORCING @ 16\"/>



12 DETAIL
S-401 STEEL BEAM LINTEL AND JAMB CONSTRUCTION
NTS



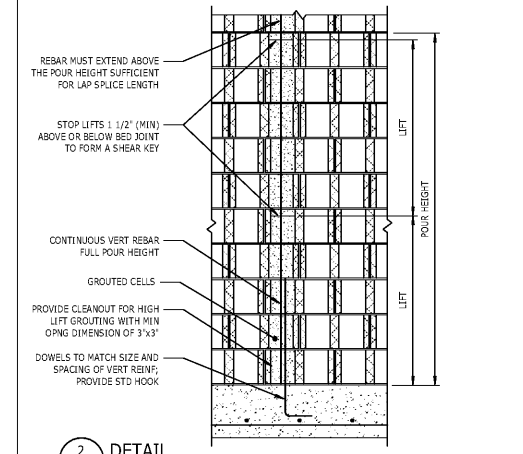
8 DETAIL
S-401 TYPICAL STEP IN CMU BOND BEAM
NTS



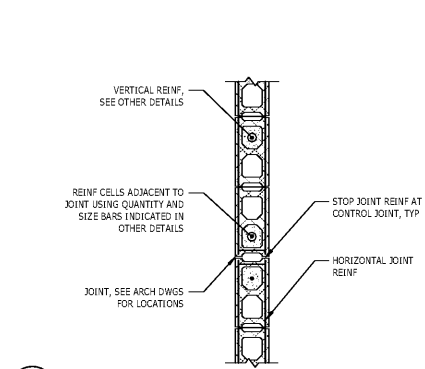
9 DETAIL
S-401 SLOPED BOND BEAM
NTS

5 DETAIL
S-401 TYPICAL CMU CONTROL JOINT
NTS
NOTES:
1. PROVIDE DOWELS TO FOUNDATION MATCHING SIZE OF VERTICAL REINFORCING, TYPICAL. SEE GENERAL NOTES OR MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE FOR LAP REQUIREMENTS.
2. ALL CONTROL JOINT LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND HAVE A RECOMMENDED MAXIMUM SPACING OF 25 FEET.

2 DETAIL
S-401 MASONRY GROUT REQUIREMENTS
NTS
GENERAL GROUTING REQUIREMENTS:
1. ALL REINFORCED CELLS SHALL BE GROUTED SOLID.
2. REINFORCING BARS SHALL BE IN PROPER POSITION PRIOR TO PLACEMENT OF GROUT, NOT PUSHED DOWN INTO PREVIOUSLY PLACED GROUT. SAME REQUIREMENT APPLIES FOR EMBEDDED BOLTS AND FASTENERS.
3. MORTAR BEDDING UNDER THE FIRST COURSE OF BLOCK CELLS TO BE GROUTED SHALL REMAIN GROUT TO COME INTO DIRECT CONTACT WITH FOUNDATION.
4. PLACE MORTAR ON CROSS WEBS ADJACENT TO ALL GROUTED CELLS.
5. MORTAR THAT PROJECTS MORE THAN 1/2\"/>



2 DETAIL
S-401 MASONRY GROUT REQUIREMENTS
NTS
GENERAL GROUTING REQUIREMENTS:
1. ALL REINFORCED CELLS SHALL BE GROUTED SOLID.
2. REINFORCING BARS SHALL BE IN PROPER POSITION PRIOR TO PLACEMENT OF GROUT, NOT PUSHED DOWN INTO PREVIOUSLY PLACED GROUT. SAME REQUIREMENT APPLIES FOR EMBEDDED BOLTS AND FASTENERS.
3. MORTAR BEDDING UNDER THE FIRST COURSE OF BLOCK CELLS TO BE GROUTED SHALL REMAIN GROUT TO COME INTO DIRECT CONTACT WITH FOUNDATION.
4. PLACE MORTAR ON CROSS WEBS ADJACENT TO ALL GROUTED CELLS.
5. MORTAR THAT PROJECTS MORE THAN 1/2\"/>



5 DETAIL
S-401 TYPICAL CMU CONTROL JOINT
NTS
NOTES:
1. PROVIDE DOWELS TO FOUNDATION MATCHING SIZE OF VERTICAL REINFORCING, TYPICAL. SEE GENERAL NOTES OR MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE FOR LAP REQUIREMENTS.
2. ALL CONTROL JOINT LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND HAVE A RECOMMENDED MAXIMUM SPACING OF 25 FEET.

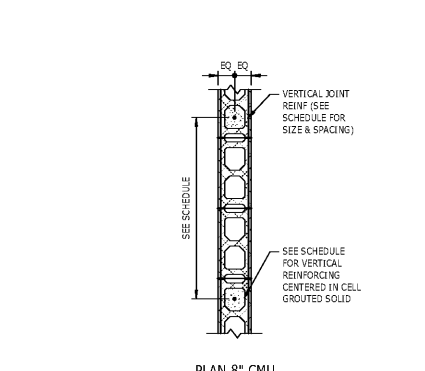
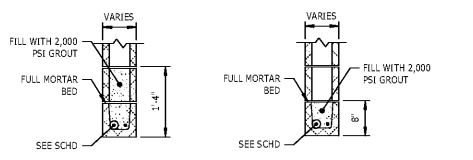
LOW LIFT GROUTING PROCEDURE:
1. LAY WALL TO MAXIMUM OF 5'-0\"/>

HIGH LIFT GROUTING PROCEDURE:
1. CLEANOUT OPENINGS SHALL BE PROVIDED IN THE FACE SHELLS OF THE BOTTOM COURSE OF ALL CELLS TO BE GROUTED. OPENINGS SHALL BE LARGE ENOUGH TO ALLOW REMOVAL OF DEBRIS.
2. LAY WALL TO MAXIMUM POUR HEIGHT AND CLEAN DEBRIS FROM OPENINGS. PLACE REINFORCING BARS IN PROPER POSITION.
3. CLEAN MORTAR AND OTHER DEBRIS FROM CELLS TO BE GROUTED.
4. MASONRY SHALL CURE A MINIMUM OF 4 HOURS PRIOR TO GROUTING.
5. PLACE GROUT TO THE FOLLOWING HEIGHTS: MAXIMUM LIFT HEIGHT IS 5'-0\"/>

NON-LOAD BEARING CMU LINTEL SCHEDULE

LINTEL SIZE	4'x8'	6'x8'	6'x16'	8'x8'	8'x16'	12'x8'	12'x16'
3'-4"	(1) #3	(1) #3	NA	(1) #3	NA	(2) #4	NA
4'-0"	(1) #3	(1) #4	NA	(2) #3	NA	(2) #4	NA
4'-8"	(1) #4	(1) #4	NA	(2) #4	NA	(2) #4	NA
5'-4"	(1) #4	(2) #4	NA	(2) #4	NA	(2) #5	NA
6'-0"	(1) #5	(2) #4	(1) #4	(2) #4	(2) #4	(2) #5	(2) #4
6'-8"	NA	NA	(1) #5	NA	(2) #4	NA	(2) #4
7'-4"	NA	NA	(1) #5	NA	(2) #4	NA	(2) #5
8'-0"	NA	NA	(1) #6	NA	(2) #4	NA	(2) #5
8'-8"	NA	NA	(1) #6	NA	(2) #5	NA	(2) #6
9'-4"	NA	NA	(1) #7	NA	(2) #5	NA	(2) #6

10 DETAIL
S-401 NON-LOAD BEARING CMU LINTEL SCHEDULE
NTS
NOTES:
1. THIS SCHEDULE APPLIES TO OPENINGS IN ALL NON-LOAD BEARING WALLS AND PARTITIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS.
3. PROVIDE 8\"/>



6 DETAIL
S-401 TYPICAL CMU WALL REINFORCING
NTS



Order Plans @