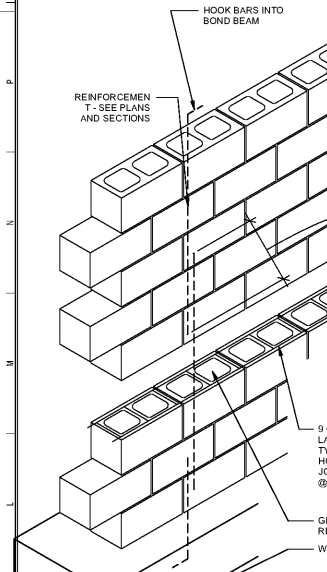


SCOPE DOCUMENTS
 The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope of the Project. The Contractor is responsible for complete and coordinated printing and Work, and shall include all items necessary for the proper execution and completion of the Project, whether indicated or not. All components of the Project shall comply with any and all requirements of national, state, and local codes. The Contractor shall inform the Owner and Architect of any omissions, inaccuracies or errors in the information provided. If no notice is given and any omissions, inaccuracies or errors are discovered, the Architect's decision on items of Work included in the scope shall be binding on the Contractor, when consistent with the general scope and quality of the Project.

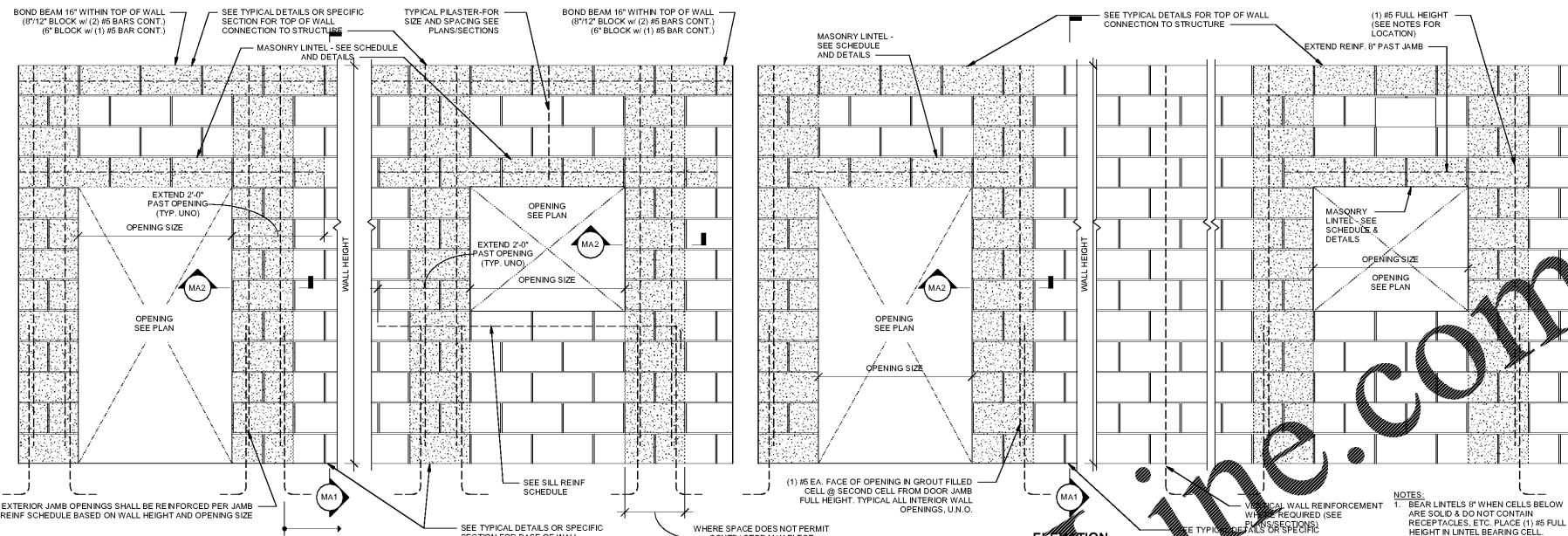
ISSUANCES		
No.	Drawing Issue Description	Date

MINIMUM REINFORCING LAP LENGTH SCHEDULE	
BAR TYPE	BAR SIZE AND LAP LENGTH
FILLED 12" CMU CELLS (SINGLE BAR)	#3 19" 25" 31" 57" 79" 113"
FILLED 12" CMU CELLS (SINGLE BAR)	#4 19" 25" 31" 53" 61" 75" 90"
FILLED 12" CMU CELLS (DOUBLE BAR)	#3 19" 28" 45" 92" 129" 186" 243"

- NOTES:**
1. THESE VALUES ARE ADEQUATE FOR REGULAR WEIGHT CONCRETE. THEY MAY BE MULTIPLIED BY 1.3 IF LIGHT WEIGHT CONCRETE IS USED.
 2. THESE VALUES ARE ADEQUATE FOR BARS WITHOUT EPOXY COATING.
 3. THESE VALUES APPLY TO MASONRY w/ $f_m = 1500$ PSI.
 4. SEC CODE SECTION 2109.9.2.11 AND SECTION 12.14.3 ALLOW OPTIONAL REINFORCING SCHEDULES AS FOLLOWS: (1) ALLOW MECHANICAL CONNECTIONS THAT ARE CAPABLE OF DEVELOPING 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.
 5. MECHANICAL CONNECTIONS THAT ARE CAPABLE OF DEVELOPING 125 PERCENT OF THE YIELD STRENGTH OF THE BAR.
- LOW-LIFT GROUTING PROCEDURE:**
- A. CONSTRUCT WALL TO HEIGHT OF 5'-0". ALLOW MORTAR TO SET SUFFICIENTLY TO WITHSTAND GROUT PRESSURE.
 - B. INSPECT UNITS FOR ALIGNMENT. CLEAN OUT CELLS TO BE FILLED.
 - C. FILL CELLS TO 1" BELOW TOP COURSE.
 - D. DELAY 3 TO 5 MINUTES PRIOR TO CONSOLIDATING TO ALLOW WATER TO BE ABSORBED BY MASONRY.
 - E. 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.)

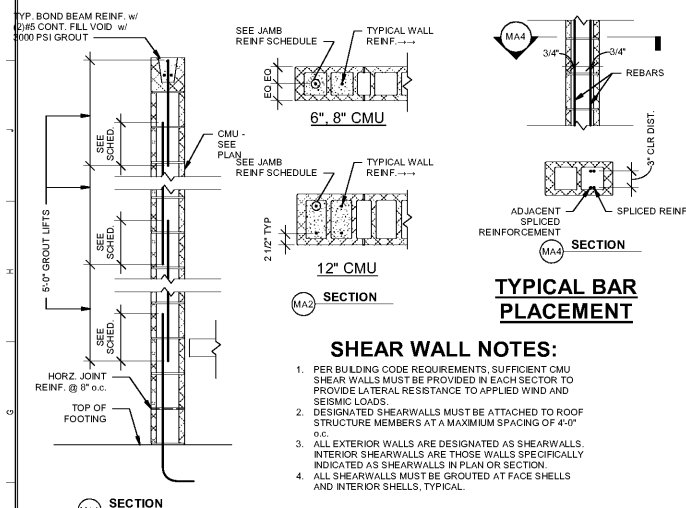


TYPICAL DETAIL OF LOW-LIFT REINFORCED MASONRY CONSTRUCTION



TYPICAL DETAIL OF REINFORCED MASONRY SHEARWALL OPENING
 NOTE: CONTROL JOINT NOT PERMITTED TO EXTEND ACROSS HORIZONTAL LINTEL REINFORCEMENT OR VERTICAL JAMB REINFORCEMENT

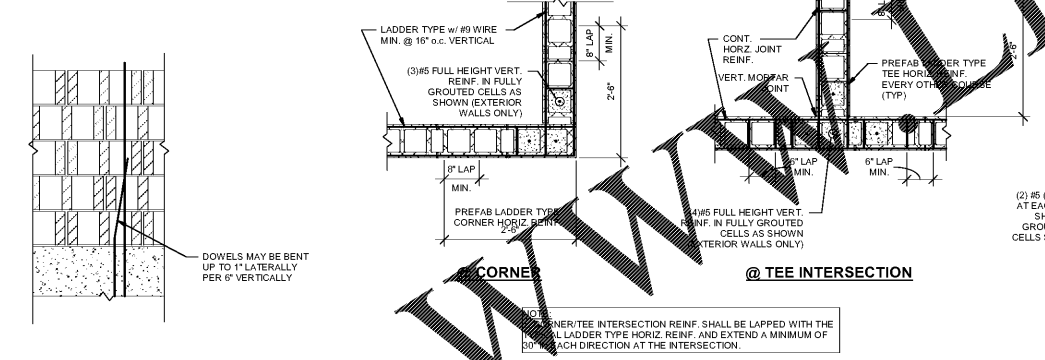
TYPICAL DETAIL OF REINFORCED MASONRY NON-SHEARWALL OPENING



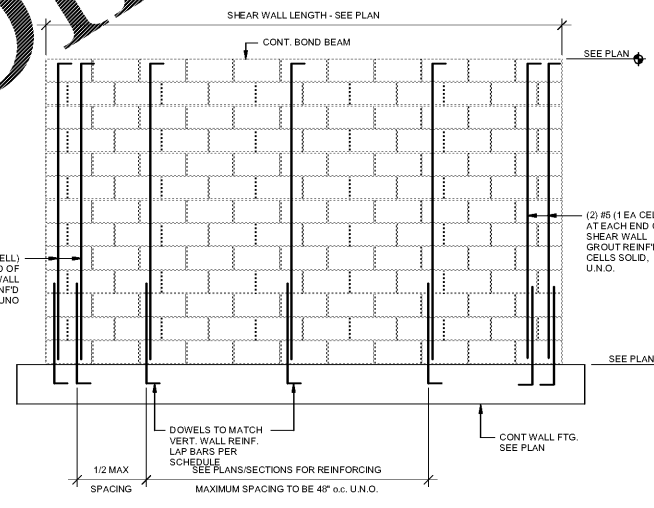
TYPICAL BAR PLACEMENT

SHEAR WALL NOTES:

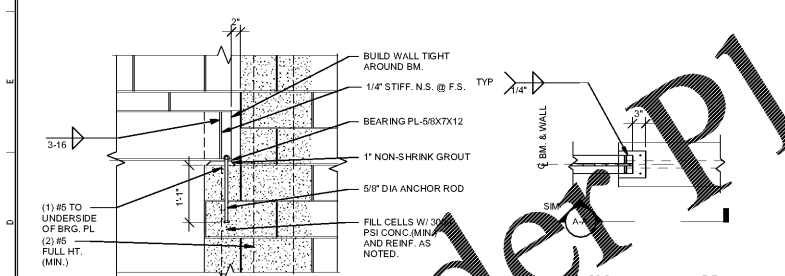
1. PER BUILDING CODE REQUIREMENTS, SUFFICIENT CMU SHEAR WALLS MUST BE PROVIDED IN EACH SECTOR TO PROVIDE LATERAL RESISTANCE TO APPLIED WIND AND SEISMIC LOADS.
2. DESIGNATED SHEARWALLS MUST BE ATTACHED TO ROOF STRUCTURE MEMBERS AT A MAXIMUM SPACING OF 4'-0" O.C.
3. ALL EXTERIOR WALLS ARE DESIGNATED AS SHEARWALLS. INTERIOR SHEARWALLS ARE THOSE WALLS SPECIFICALLY INDICATED AS SHEARWALLS IN PLAN OR SECTION.
4. ALL SHEARWALLS MUST BE GROUTED AT FACE SHELLS AND INTERIOR SHELLS, TYPICAL.



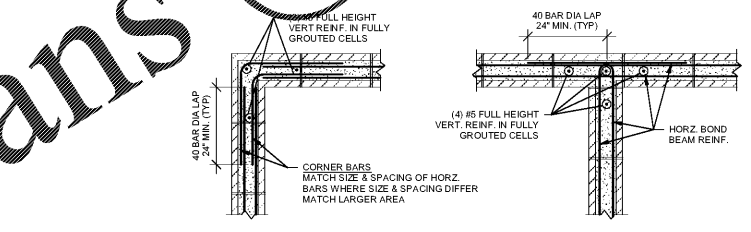
TYPICAL DETAIL OF PERMISSIBLE BENDING OF FOUNDATION DOWELS
TYPICAL DETAIL OF NON-COLUMN CMU WALL CORNER AND TEE INTERSECTION W/ PREFABRICATED CORNERS & TEES



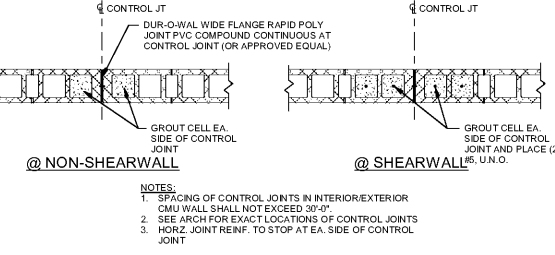
TYPICAL SHEAR WALL ELEVATION



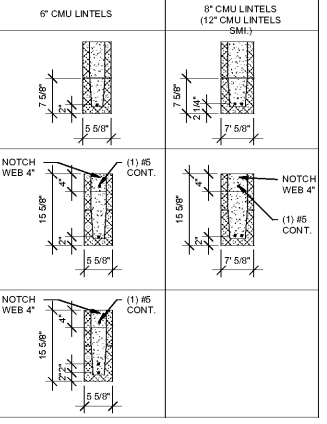
TYPICAL WIDE FLANGE BEARING ON CMU



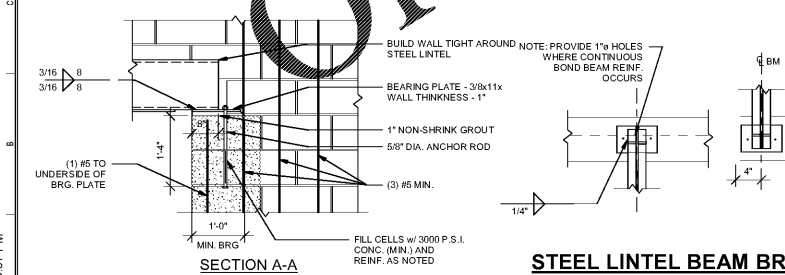
TYPICAL PLAN OF CORNER AND INTERSECTION DETAILS FOR MASONRY BOND BEAMS



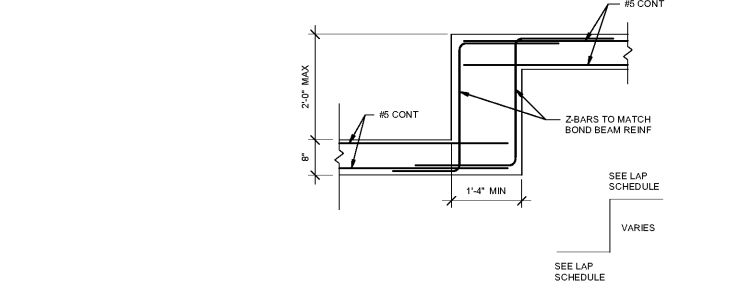
TYPICAL CMU CONTROL JOINTS



MASONRY LINTEL REINFORCING



TYPICAL TUBE LINTEL TO MASONRY WALL



TYPICAL DETAIL OF STEP IN CMU

OPENING WIDTH	STEEL LINTELS		MASONRY WALL LINTELS SCHEDULE			
	MIN.	MAX.	DEPTH	4" WALL	6" WALL	12" WALL
2'-0"	2'-0"	LX93 1/2X5/16 S.L.V.	7.5"Ø	(1) #4	(1) #4 BOTT	(2) #5 BOTT
2'-1"	2'-0"	LX93 1/2X5/16 S.L.V.	7.5"Ø	(1) #4	(1) #4 BOTT	(2) #5 BOTT
3'-1"	3'-0"	LX6X3/8 S.L.V.	7.5"Ø	(1) #4	(1) #5 BOTT	(2) #5 BOTT
5'-1"	5'-0"	LX6X3/8	7.5"Ø	-	(1) #5 BOTT	(2) #5 BOTT
6'-1"	6'-0"	LX6X1/2	7.5"Ø	-	(1) #5 BOTT	(2) #5 BOTT
6'-1"	10'-0"	LX6X1/2	15.5"Ø	-	(1) #5 BOTT	(2) #5 BOTT
10'-1"	12'-0"	LX8X1 1/2 L.L.V.	15.5"Ø	-	(1) #5 BOTT	(4) #5 - (2)-T& (2)-B (4) #5 - (2)-T& (2)-B
12'-1"	14'-0"	LX8X1 1/2 L.L.V.	23.5"Ø	-	-	(4) #5 - (2)-T& (2)-B (4) #5 - (2)-T& (2)-B

- NOTES:**
1. USE EITHER STEEL LINTEL OR MASONRY LINTEL (SEE ARCH. HEAD DETAILS)
 2. THIS SCHEDULE TO BE USED UNLESS NOTED OTHERWISE
 3. DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO LINTEL
 4. DO NOT USE THIS SCHEDULE IF HEIGHT OF MASONRY ABOVE OPENING IS LESS THAN HALF OF THE OPENING WIDTH

MASONRY WALL LINTEL SCHEDULE

BARACK & MICHELLE OBAMA ACADEMY



970 Martin St SE, Atlanta, GA 30315
 ATLANTA PUBLIC SCHOOLS

TYPICAL DETAILS

Designer	12/19
Principal/Charge	
Approver	03/16/20
Project Manager	
Checker	
Project Engineer	
Author	
Staff Engineer	

S4.3