

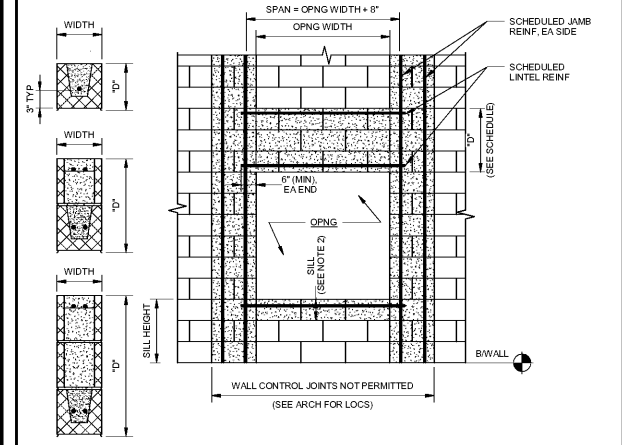
DATE	NO.	DESCRIPTION
06/16/18		FOR CONSTRUCTION DOCUMENTS
09/17/18		FOR CHECK-SET/PERMIT SET
10/15/18		FINAL ISSUE SUBMITTED
11/01/18		ISSUED FOR PROPOSALS

CHAPMAN GRIFFIN LANIER SUSENBACH ARCHITECTS
 2500 Cumberland Pkwy., Suite 350, Atlanta, Ga 30339 · Phone: 404.733.9493
 PROJECT NO. 0217302.00
 DATE: 09/17/18
 DRAWN BY: RAS
 CHECKED BY: ACB
 SHEET NO. S-3.31

RIVERWOOD HIGH SCHOOL - PHASE 3 - AUDITORIUM/GYMNASIUM ADDITION
 5900 RAIDER DRIVE NW SANDY SPRINGS, GA 30328
 FULTON COUNTY SCHOOLS RFP NO. XXX-XX

CONCRETE MASONRY UNIT LINTEL & JAMB SCHEDULE

SPAN	LINTEL DEPTH "D"	LINTEL REINFORCING			JAMB REINFORCING (SEE NOTE 5)
		6" WALL	8" WALL	12" WALL	
< 4'-8"	8"	(1) - #5	(2) - #4	(1) - #5	(2) - CELLS
> 4'-8" TO ≤ 6'-0"	16"	(1) - #5	(2) - #4	(2) - #4	(3) - CELLS
> 6'-0" TO ≤ 8'-0"	24"	(2) - #5	(2) - #4	(2) - #4	(4) - CELLS
> 8'-0" TO ≤ 10'-0"	32"	(4) - #5	(2) - #5	(2) - #5	(5) - CELLS
> 10'-0" TO ≤ 12'-0"	32"	---	(6) - #5	(4) - #5	(6) - CELLS
> 12'-0" TO ≤ 15'-0"	40"	---	(6) - #5	(4) - #5	(6) - CELLS



SECTIONS ELEVATION

NOTES:

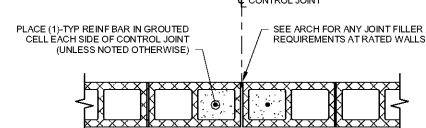
- LINTELS SHALL BE CONSTRUCTED WITH U-BLOCKS AT THE BOTTOM AND DERESSED WEB BLOCKS ABOVE AND SHALL BE FULLY GROUTED.
- LINTEL REINFORCING REQUIREMENTS:
 - OPENING WIDTH ≤ 6'-0" AND SILL HEIGHT ≤ 3'-0": SILL REINFORCING NOT REQUIRED.
 - OPENING WIDTH > 6'-0" OR SILL HEIGHT > 3'-0": PROVIDE REINFORCED LINTEL ACCORDING TO SCHEDULE.
- NOTIFY STRUCTURAL ENGINEER OF RECORD IF OPENING WIDTH EXCEEDS SCHEDULED WIDTHS.
- SEE CONCRETE MASONRY GENERAL NOTES AND RELEVANT SCHEDULES, SECTIONS, AND DETAILS FOR ADDITIONAL REINFORCING AND REQUIREMENTS NOT SHOWN IN THIS SCHEDULE.
- PROVIDE (1) BAR PER CELL IN JAMBS, TYPICAL, WHERE SCHEDULED JAMB REINFORCING EXCEEDS THE NUMBER OF CELLS, PROVIDE (2) BARS PER CELL LOCATED 3/4" CLEAR FROM EACH FACE SHELL.

CMU WALL REINFORCING SCHEDULE

NOMINAL CMU WIDTH	LOCATION	HEIGHT ^Ø	REINFORCEMENT
8"	EXT WALLS	< 20'	#5 @ 40" OC
	EXT STADIUM BLDG WALLS	ALL	(2) - #5 @ 24" OC EF #5 @ 40" OC
	INT SHEAR WALLS, INT STAIR WALLS, INT ELEVATOR WALLS, INT WALLS TO DECK	< 20' > 20'	#5 @ 40" OC #5 @ 32" OC
12"	INT SHEAR WALLS	< 25'	#5 @ 40" OC
	EXT SHEAR WALLS	< 20'	#5 @ 40" OC
	CMU WALLS ABOVE TUBE BEAMS @ PERIMETER OF GYM	< 18'	#5 @ 40" OC

NOTES:

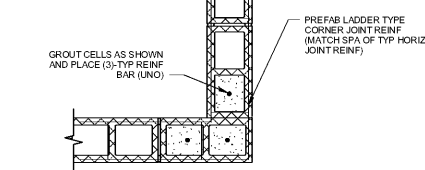
- SCHEDULED (1)-BAR REINFORCING SHALL BE CENTERED IN WALL (UNO) WHERE (2)-BARS REQUIRED, BARS SHALL BE POSITIONED (1) @ EA FACE WITH MASONRY COVER OF 2".
- SEE SCHEDULE ON S-3.31 FOR ADDITIONAL REINF REQUIRED @ SHEAR WALLS. SEE PLANS FOR SHEARWALL LOCATIONS.
- SEE 8/S-3.21 FOR INT CMU PARTITION WALL REINF.
- REINF SHOWN IN SCHEDULE SHALL APPLY UNO IN SECTION OR ON PLAN @ SPECIFIC LOCATIONS.
- SEE 4/S-5.12, 5/S-5.12 & 1/S-5.13 FOR TYP BRACING @ TOP OF INT CMU PARTITION WALLS (NON-LOAD BEARING, NON-SHEARWALLS).
- SEE 1/S-3.31, 2/S-3.31 & 3/S-3.31 OR TYP CMU REINF @ COLUMNS, C/S, CORNERS & INTERSECTIONS.
- CMU WALLS SHALL BE GROUTED SOLID @ STAIR & CANOPY CONNECTIONS WHERE REQUIRED.
- HEIGHT = UNBRACED WALL HEIGHT (DISTANCE FROM TOP OF FOOTING TO TOP OF WALL OR TO WALL CORN TO FLOOR/ROOF BEAM OR DECK EDGE ANGLE, OR DISTANCE BETWEEN LOW & HIGH ROOF BEAMS).



TYPICAL CMU WALL CONTROL JOINT
 SCALE: 1" = 1'-0"

NOTES:

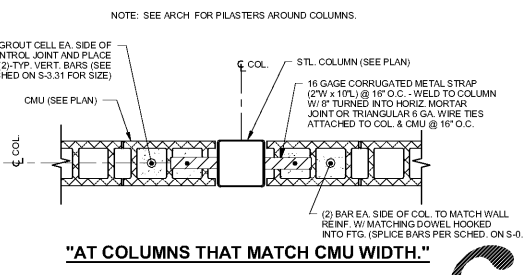
- CONTROL JOINTS SHALL BE LOCATED PER ARCHITECTURAL DRAWINGS AND SHALL MATCH VENEER CONTROL JOINTS WHERE APPLICABLE.
- CONTROL JOINTS SHALL NOT BE LOCATED THROUGH BEAMS OR LINTELS, THEIR BEARING DISTANCE, OR THE REQUIRED JAMB ON EITHER SIDE OF THE OPENING.
- CONTROL JOINTS SHALL NOT BE LOCATED WITHIN A WALL DESIGNATED ON THE STRUCTURAL PLANS AS A SHEAR WALL, WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
- HORIZONTAL JOINT REINFORCEMENT TO STOP AT EACH SIDE OF CONTROL JOINT. TYPICAL HORIZONTAL JOINT REINFORCEMENT NOT SHOWN FOR CLARITY.
- DO NOT CUT CONTINUOUS BOND BEAMS OR BOND BEAM REINFORCEMENT AT CONTROL JOINTS. PROVIDE APPEARANCE OF CONTROL JOINT IN BOND BEAM WHERE JOINT IS EXPOSED (SEE ARCH).
- WHERE NOT EXPLICITLY NOTED OR SHOWN OTHERWISE, GC SHALL INSTALL CONTROL JOINTS AS FOLLOWS:
 - SPACING NOT TO EXCEED 25'-0" IN CONTINUOUS WALLS
 - LOCATED NOT CLOSER THAN 4'-0" AND NOT FURTHER THAN 12'-0" FROM WALL CORNERS
 - AT LOCATIONS WHERE WALL HEIGHT CHANGES
 - AT LOCATIONS WHERE WALL THICKNESS CHANGES



TYPICAL CMU WALL CORNER/INTERSECTION REINFORCEMENT
 SCALE: 1" = 1'-0"

NOTES:

- PREFABRICATED CORNER/INTERSECTION JOINT REINFORCEMENT SHALL BE LAPPED 6" MIN WITH THE TYPICAL LADDER TYPE JOINT REINFORCEMENT AND EXTEND A MINIMUM OF 30" IN EACH DIRECTION AT THE INTERSECTION.
- SEE GENERAL NOTES FOR SPACING OF TYPICAL HORIZONTAL JOINT REINFORCEMENT (NOT SHOWN FOR CLARITY).



"AT COLUMNS THAT MATCH CMU WIDTH."
 SCALE: 1" = 1'-0"

NOTES:

- GROUT CELL EA SIDE OF CONTROL JOINT AND PLACE (2)-TYP VERT BARS (SEE SCHED ON S-3.31 FOR SIZE).
- SEE GENERAL NOTES FOR SPACING OF TYPICAL HORIZONTAL JOINT REINFORCEMENT (NOT SHOWN FOR CLARITY).



"AT COLUMNS THAT FIT INSIDE CMU WIDTH."
 SCALE: 1" = 1'-0"

NOTES:

- GROUT CELL EA SIDE OF CONTROL JOINT AND PLACE (2)-TYP VERT BARS (SEE SCHED ON S-3.31 FOR SIZE).
- SEE GENERAL NOTES FOR SPACING OF TYPICAL HORIZONTAL JOINT REINFORCEMENT (NOT SHOWN FOR CLARITY).

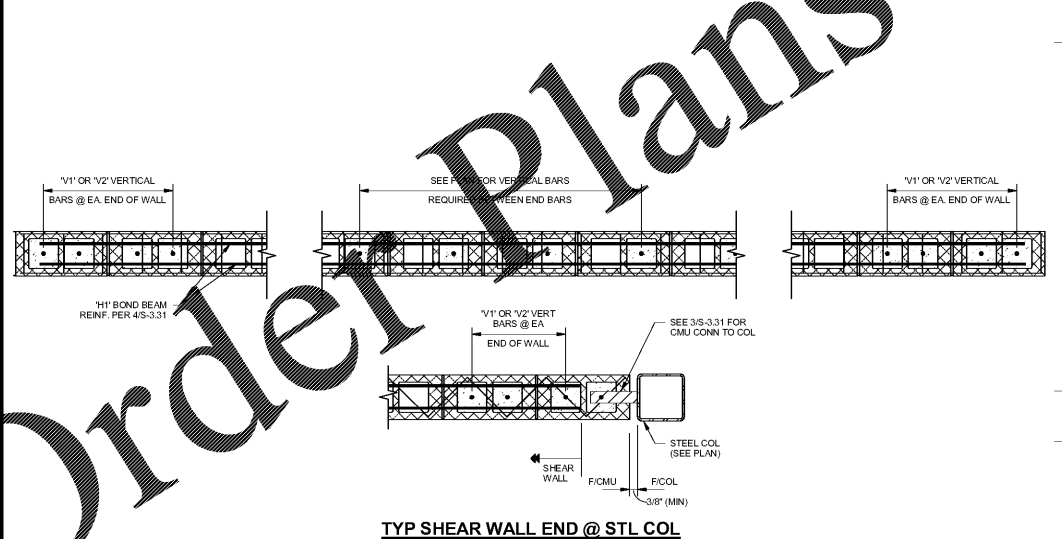
SHEAR WALL REINFORCING SCHEDULE

MARK	VERT BARS @ ENDS OF WALL (TOTAL BARS INCLUDING BARS SPECIFIED AT OPENING JAMBS)	NO. CELLS		REBAR PER CELL	SOLID GROUT-FILLED CELL SPACING BTWN VERT END BARS (SEE NOTE 3)	BOND BEAM HORIZONTAL REINFORCING & VERTICAL SPACING	T/WALL BENT PLATE SPACING (SEE 8 / S-5.12 FOR MORE INFO)	
		EA END	EA END					
8-SW1	V1	4	(1) - #5		GROUT REINF. CELLS ONLY	H1	NR (SEE NOTE 6)	32"
12-SW1	V1	4	(1) - #5		GROUT REINF. CELLS ONLY	H1	NR (SEE NOTE 6)	32"

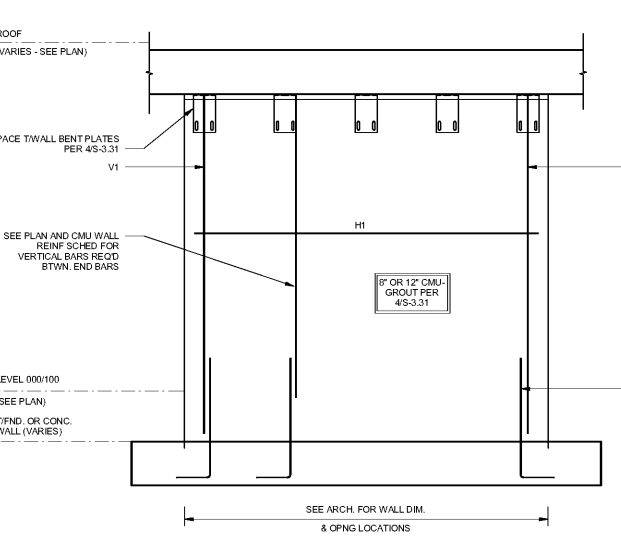
NOTES:

- SEE 6/S-3.31 & 7/S-3.31 FOR V1, V2, H1 & H2 LAYOUT REQUIRED FOR SHEAR WALL ELEVATIONS.
- SEE 5/S-3.31 FOR TYPICAL SHEAR WALL PLAN.
- PLEASE NOTE GROUT SPACING VARIES AS NEEDED ACCORDING TO SHEAR WALL CAPACITY REQUIRED. GROUT SPACING DOES NOT MATCH VERTICAL REINFORCEMENT SPACING IN ALL CASES.
- "NR" INDICATES BOND BEAM NOT REQUIRED.
- SEE 1A & 1B/S-3.32 FOR ALLOWABLE SHEAR WALL PENETRATION LOCATIONS.
- IN ADDITION TO BOND BEAMS REQ'D PER SCHEDULE, PROVIDE BOND BEAM REINFORCING PER SECTIONS. PROVIDE BOND BEAM REINF W/ (2) #5 IN GROUT FILL W/ BOND BEAM (1) COURSE ABOVE CEILING ADJACENT TO WALL (TYP @ ALL SHEAR WALLS WHERE BOND BEAMS NOT REQ'D PER SCHEDULE).
- CONTROL JOINTS SHALL NOT BE LOCATED WITHIN SHEAR WALLS (TYP UNO).
- WHERE WINDOW OR DOOR OPENINGS LOCATED WITHIN SHEAR WALLS, PROVIDE JAMB REINF EACH SIDE OF OPNG FULL HEIGHT OF WALL PER CMU LINTEL & JAMB SCHEDULE. PROVIDE LINTEL & SILL REINF ABOVE & BELOW OPNG FULL LENGTH OF WALL PER CMU LINTEL & JAMB SCHEDULE. TYPICAL SILL REINF SHALL BE (2)-#5 CONT IN GROUT FILLED BOND BEAM.

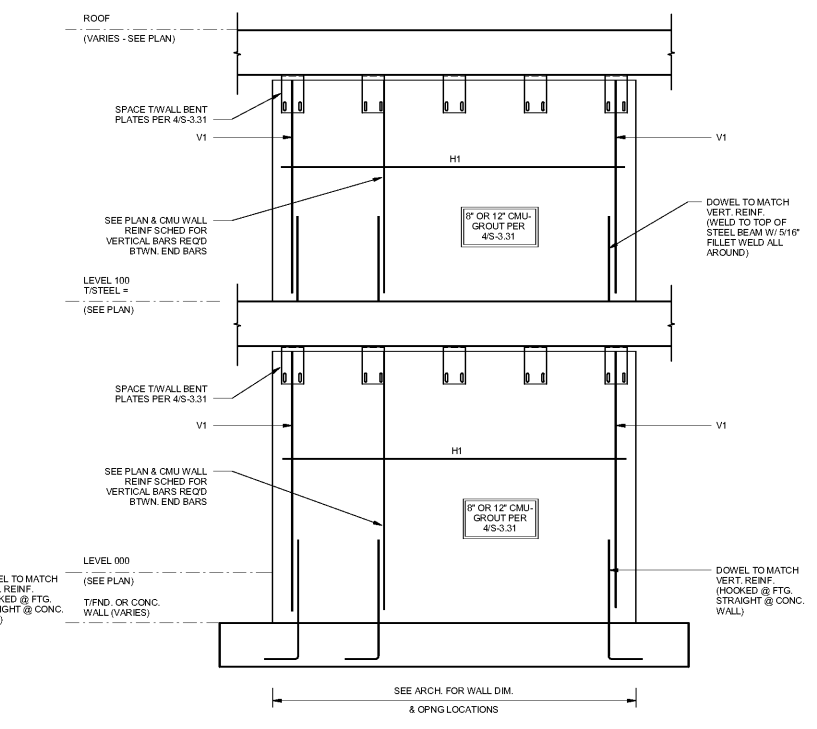
SHEAR WALL VERT REINF SCHED
 SCALE: 1" = 1'-0"



TYP SHEAR WALL END @ STL COL
 SCALE: 1" = 1'-0"



TYPICAL ONE-STORY SHEAR WALL WALL ELEVATION
 SCALE: 3/8" = 1'-0"



TYPICAL SHEAR WALL ELEVATION W/ MULTIPLE MID-HEIGHT BEAMS
 SCALE: 3/8" = 1'-0"

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