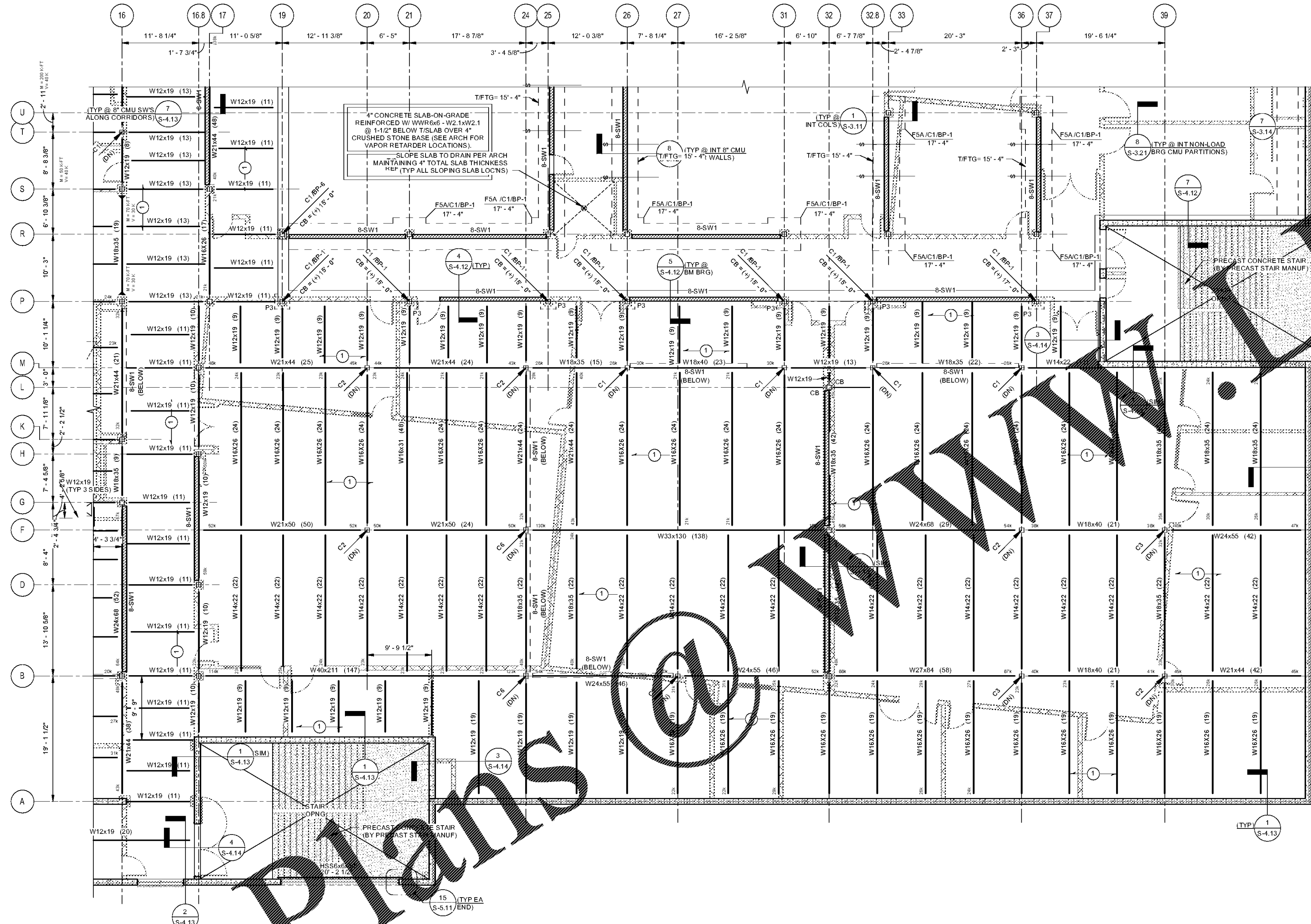


LEVEL 100 FOUNDATION & FLOOR FRAMING PLAN - PART 3

1 / S-2.23

SCALE: 1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. (1) DENOTES 4 1/2" NORMAL WEIGHT CONCRETE ON 2"-20 GAUGE COMPOSITE METAL DECK (TOTAL THICKNESS = 6 1/2") W/ WWR 6x6-W2.1xW2.1 IN FLAT SHEETS AT MID-DEPTH OF SLAB.
   T/SLAB = (+) [illegible]'-0"
   MINIMUM DECK PROPERTIES:
   Ip = [illegible] IN^4/FT
   In = 0.406 IN^4/FT
   Sp = 0.341 IN^3/FT
   Sn = 0.346 IN^3/FT

   (0) DENOTES 3" LIGHTWEIGHT CONCRETE ON 9/16"-26 GAUGE FORM DECK (TOTAL THICKNESS = 3") W/ WWR 6x6-W1.4xW1.4 IN FLAT SHEETS AT MID-DEPTH OF SLAB.
   T/SLAB = (+) 20'-0"
   MINIMUM DECK PROPERTIES:
   Ip = 0.015 IN^4/FT
   In = 0.015 IN^4/FT
   Sp = 0.043 IN^3/FT
   Sn = 0.043 IN^3/FT
2. T/STEEL = (+) 17' - 5 1/2" (UNLESS NOTED OTHERWISE)
3. (#) DENOTES QUANTITY OF 3/4" DIA x 4" LG HCA WELDED TO TOP FLANGE OF STEEL BEAM.
4. c = x" DENOTES THE AMOUNT OF CAMBER ON THE BEAM OR GIRDER.
5. FOR TYPICAL COMPOSITE FLOOR BEAM SEE DETAIL 4/S-4.11
6. FOR TYPICAL COMPOSITE FLOOR GIRDER SEE DETAIL 5/S-4.11
7. GC SHALL VERIFY ALL OPENING DIMENSIONS WITH MECHANICAL.
8. "xx kip" AT END OF BEAMS DENOTE MINIMUM UNFACTORED (ASD) REACTIONS FOR CONNECTION DESIGN. IF REACTION IS NOT SHOWN, DESIGN FOR 20 K.
9. FOR SLAB REINFORCING AT FLOOR OPENINGS SEE 2/S-4.11 FOR OPENINGS < = 2'-0" WIDE & FOR OPENINGS > = 2'-0" WIDE.
10. : DENOTES MOMENT CONNECTION. FABRICATOR SHALL SUBMIT MOMENT CONNECTION CALCULATIONS, SIGNED & SEALED BY A LICENSED DESIGN PROFESSIONAL, WITH SHOP DRAWIINGS. CONNECTIONS SHALL BE DESIGNED FOR FORCES INDICATED ON PLAN AND IN ELEVATIONS. (SEE NOTE 15). (SEE REFERENCE DETAILS 7/S-5.11 & 8/S-5.11). IF MOMENT AND SHEAR LOAD NOT SHOWN ON PLANS, DESIGN FOR LOADS BELOW:
    MOMENT: 20 K-FT
    SHEAR: 20 K
11. "CB" DENOTES 4' - 0" LG (MIN) COL BRACE. L4x4x3/8 @ JOIST SPA LESS THAN 6' - 0". L5x5x3/8 @ JOISTS SPA GREATER THAN 6' - 0". WELD BRACE TO COL CAP PL & TOP CHORD OF JOIST OR TOP FLANGE OF BEAM W/ 3/16" FILLET WELD x 2" LG. USE (2) - ANGLES @ T-SHAPED AREAS, WELD DECK TO EA ABGLE W/ 3/4" PUDDLE WELDS @ 6" OC. LOCATE @ ALL COL'S W/ FRAMING CONN IN ONLY (1) - DIRECTION.
12. FOR TYPICAL COMPOSITE SLAB CONSTRUCTION JOINT SEE 1/S-4.11
13. SLOTTED HOLES @ BEAM END CONNECTIONS ARE NOT ALLOWED FOR BEAMS ASSOCIATED W/ A BRACE OR MOMENT FRAME, OR NOTED WITH A REQUIRED AXIAL CONNECTION FORCE, UNLESS NOTED OTHERWISE.
14. TRANSFER BEAMS SUPPORTING COL-UPS ARE NOT DESIGNED TO SUPPORT LOAD BELOW SLAB OR ROOF ABOVE SLAB PRIOR TO SLAB POUR @ THIS LEVEL. ELEVATED SLABS SHALL BE POURED STARTING @ THE LOWEST LEVEL & PROGRESSING UP BY LEVEL. ROOFS SHALL NOT BE LOADED PRIOR TO THE ELEVATED SLAB @ TRANSFER BEAMS BEING POURED & CURED TO FULL STRENGTH.
15. #-SW# DENOTES SHEAR WALL (SEE S-3.31).
16. FOR BRACING @ TOP OF INT CMU PARTITION WALLS ON ELEV SLAB SEE DETAILS 4/S-5.12 & 5/S-5.12 & 1/S-5.13 . INT CMU PARTITIONS ON ELEV SLABS SHALL BE REINF W/ #X @ XX" (TYP UNO). VERT DOWELS SHALL BE DRILLED & EPOXIED 3" INTO ELEVATED SLAB.
17. AT NOISE CRITICAL SPACES, CMU WALLS SHALL BE GROUTED SOLID. SEE ARCH FOR NOISE CRITICAL CMU WALL LOCATIONS AND EXTENTS.
18. S | P DENOTES BEAM SPLICE. SEE 11/S-5.11 FOR TYP BEAM SPLICE CONN
19. UNO ON PLAN, BEAMS SHALL BE SPACED EQUALLY WITHIN BAYS.
20. AT THE TOP OF INTERIOR GLAZING, PROVIDE CFSF HEADER TO BE HUNG DOWN FROM AND KICKED BACK OF TO STRUCUTE ABOVE. SEE ARCH FOR LOCATIONS.

FOUNDATION PLAN NOTES:

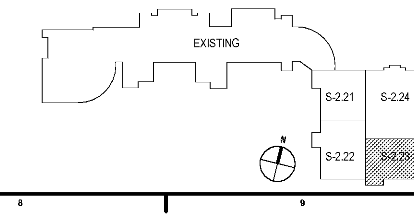
1. BASE PLATE MARK (SEE 6/S-3.11)
2. STEEL COLUMN MARK (SEE SCHEDULE ON THIS SHEET)
3. FOUNDATION MARK (SEE SCHEDULE ON THIS SHEET) → F# / C# / BP#
4. TOP OF FOOTING ELEVATION → - # - #"
5. P#: DENOTES CONCRETE PEDESTAL MARK (SEE 3/S-3.11)
6. CJ: DENOTES SLAB-ON-GRADE CONTROL JOINT (SEE 13/S-3.21). GC SHALL INSTALL CONTROL JOINT FROM ALL COLUMN BOX-OUT CORNERS (INCLUDING INT CORNERS OF WALLS DOWN TO FTG). FOLLOW GUIDELINES PROVIDED UNDER "SLAB ON GRADE" ON S-0.01 & 13/S-3.21 FOR SPACING. WHERE CJ'S TERMINATE @ INTERSECTION OF PERPENDICULAR CJ @ INT OF SLAB, INSTALL REINFORCING PER
7. SEE DETAILS 2/S-3.12 AND 1/S-3.12 FOR STANDARD DETAILS OF TRENCHES ADJACENT TO FOOTINGS AND PIPING PASSING UNDER WALL FOOTINGS. PIPING PASSING UNDER FOOTING MUST BE PLACED AND INSPECTED BEFORE FOOTINGS ARE PREPARED.
8. GC SHALL COORDINATE PLUMBING AND UTILITIES LOCATIONS WITH FOUNDATION AS NEEDED. ADDITIONALLY GC SHALL COORDINATE FOUNDATION ELEVATIONS WITH PLUMBING AND UTILITIES AS NEEDED. FORWARD ANY FOUNDATION LOCATION CHANGE REQUESTS TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
9. DENOTES STEP IN FOUNDATION (SEE 3/S-3.12).
10. SEE 6/S-3.12 FOR TYP CONC WALL CORNERS & INTERSECTIONS.
11. SEE 5/S-3.12 FOR TYP CONC WALL CONTROL & CONSTRUCTION JOINTS.
12. SEE 4/S-3.12 FOR REINF @ WALL OPENINGS.
13. SEE 4/S-3.21 FOR ADDITIONAL REINF REQUIRED @ SLAB CORNERS.
14. STEEL STAIRS (BY STEEL STAIR FABRICATOR/ENGINEER). CMU WALLS @ STAIRS SHALL BE GROUTED SOLID AS NEEDED FOR STEEL STAIR & CANOPY CONNECTIONS. STEEL STAIR FABR/ENG SHALL COORD W/ GC/ARCH/SER IF STEEL POSTS ARE REQ'D TO SUPPORT STAIR LANDING FOR LOC'N COORDINATION. SEE 10/S-3.21 FOR TYP THICKENED SLAB REQ'D @ STAIR SUPPORT POSTS.
15. DENOTES PRECAST CONC WALL (BY PRECAST CONC WALL MANUF)
16. DENOTES DEPRESSED SLAB (SEE 2/S-3.21 & ARCH).
17. AT NOISE CRITICAL SPACES, CMU WALLS SHALL BE GROUTED SOLID. SEE ARCH FOR NOISE CRITICAL CMU WALL LOCATIONS AND EXTENTS.
18. GC SHALL COORDINATE FOOTING STEPS W/ E/PRECAST PANEL LOCATIONS. (SEE ARCH & PRECAST SHOP DRAWINGS FOR PANEL LOCATIONS/EXTENTS)

STRUCTURAL FOUNDATION SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	BOTTOM REINFORCEMENT	TOP REINFORCEMENT
F5	5' - 0"	5' - 0"	1' - 3"	(6) - #5 EW	--
F5A	5' - 0"	5' - 0"	1' - 3"	(6) - #5 EW	(6) - #5 EW
F5B	5' - 0"	5' - 0"	3' - 0"	SEE 3/S-3.14 FOR REINF	SEE 3/S-3.14 FOR REINF
F6	6' - 0"	6' - 0"	1' - 6"	(7) - #6 EW	--
F6A	6' - 0"	6' - 0"	1' - 6"	(7) - #6 EW	(7) - #6 EW
F7	7' - 0"	7' - 0"	1' - 6"	(8) - #6 EW	--
F7A	7' - 0"	7' - 0"	1' - 6"	(8) - #6 EW	(8) - #6 EW
F8	8' - 0"	8' - 0"	1' - 6"	(9) - #6 EW	--
F8A	8' - 0"	8' - 0"	1' - 6"	(9) - #6 EW	(9) - #6 EW
F8x13A	13' - 0"	8' - 0"	1' - 9"	(9) - #6 LW; (14) - #6 SW	(9) - #6 LW; (14) - #6 SW
F8x15A	15' - 0"	8' - 0"	1' - 9"	(9) - #6 LW; (16) - #6 SW	(9) - #6 LW; (16) - #6 SW
F9	9' - 0"	9' - 0"	1' - 9"	(10) - #6 EW	--
F9A	9' - 0"	9' - 0"	1' - 9"	(10) - #6 EW	(10) - #6 EW
F10	10' - 0"	10' - 0"	1' - 9"	(11) - #6 EW	--
F10A	10' - 0"	10' - 0"	1' - 9"	(11) - #6 EW	(11) - #6 EW
F11	11' - 0"	11' - 0"	2' - 0"	(12) - #6 EW	--
F11A	11' - 0"	11' - 0"	2' - 0"	(12) - #7 EW	(12) - #7 EW
F12	12' - 0"	12' - 0"	2' - 0"	(12) - #6 EW	--
F13A	13' - 0"	13' - 0"	1' - 9"	(14) - #7 EW	(14) - #7 EW
F15A	15' - 0"	15' - 0"	2' - 0"	(16) - #7	(16) - #7
F15x13A	15' - 0"	13' - 0"	1' - 9"	(14) - #7 LW; (16) - #7 SW	(14) - #7 LW; (16) - #7 SW

STRUCTURAL COLUMN SCHEDULE

MARK	SIZE
C1	HSS8x8x1/4
C2	HSS8x8x5/16
C3	HSS8x8x3/8
C4	HSS8x8x1/2
C5	HSS8x8x5/8
C6	HSS10x8x5/8
C7	HSS12x8x5/8
C8	HSS12x10x1/2
C9	HSS10x10x5/8
C10	HSS8x6x3/8
C11	HSS14x10x5/8
C12	W14x159



Architecture
Planning
Facilitation Design

CGLS ARCHITECTS
CHAPMAN GRIFFIN LANIER SUSSENBACH ARCHITECTS, INC.

RELEASED FOR CONSTRUCTION

CONSULTANT
PES STRUCTURAL ENGINEERS

SEAL
GEORGIA REGISTERED No. 030862 PROFESSIONAL ENGINEER ERIK M. SWEHULOW
11/01/2018

DATE	NO.	DESCRIPTION
06/19/18		50% CONSTRUCTION DOCUMENTS
09/17/18		GDOE CHECK-SET/ PERMIT SET
10/10/18		FINAL GDOE SUBMITTAL
11/01/18		ISSUED FOR PROPOSALS

CHAPMAN GRIFFIN LANIER SUSSENBACH ARCHITECTS
2500 Cumberland Pkwy . Suite 350 . Atlanta, Ga 30339 . Phone: 404.733.5493

DOE FACILITY CODE: 660 -3066
RIVERWOOD HIGH SCHOOL - PHASE 3 - AUDITORIUM/GYMNASIUM ADDITION
5900 RAIDER DRIVE NW SANDY SPRINGS, GA 30328
FULTON COUNTY SCHOOLS RFP NO. XXX-XX

SHEET TITLE
LEVEL 100 FOUNDATION & FLOOR FRAMING PLAN - PART 3

PROJECT NO. 0217302.00
DATE: 09/17/18
DRAWN BY: RAS
CHECKED BY: ACB
SHEET NO. S-2.23