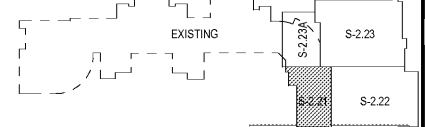


LEVEL 100 FLOOR FRAMING PLAN - PART 1

- SCALE: 1/8" = 1'-0"
FLOOR FRAMING PLAN NOTES:
- ① DENOTES 4 1/2" NORMAL WEIGHT CONCRETE ON 2-20 GAUGE COMPOSITE STEEL DECK (TOTAL THICKNESS = 6 1/2") (TYP UNO ON PLAN) W/ WWR 6x6-W2 1xW2 1 IN FLAT SHEETS AT MID-DEPTH OF SLAB. T/S LAB = (+) 18'-0" (UNLESS NOTED).
 MINIMUM DECK PROPERTIES:
 I_p = 0.409 IN⁴/FT
 I_w = 0.406 IN⁴/FT
 S_p = 0.341 IN³/FT
 S_x = 0.346 IN³/FT
 - ② DENOTES 3" NORMAL WEIGHT CONCRETE ON 9/16"-26 GAUGE STEEL FORM DECK (TOTAL THICKNESS = 3") W/ WWR 6x6-W1.4W1.4 IN FLAT SHEETS AT MID-DEPTH OF SLAB.
 T/S LAB = (+) 18'-0" (UNLESS NOTED).
 MINIMUM DECK PROPERTIES:
 I_p = 0.015 IN⁴/FT
 I_w = 0.015 IN⁴/FT
 S_p = 0.043 IN³/FT
 S_x = 0.043 IN³/FT
 - ③ DENOTES 4 1/2" NORMAL WEIGHT CONCRETE ON 2-19 GAUGE STEEL FORM DECK (TOTAL THICKNESS = 6 1/2") REINFC W/ #4 @ 18" OC. T/S LAB = (+) 18'-0" (UNLESS NOTED).
 MINIMUM DECK PROPERTIES:
 I_p = 0.015 IN⁴/FT
 I_w = 0.015 IN⁴/FT
 S_p = 0.043 IN³/FT
 S_x = 0.043 IN³/FT
 - ④ DENOTES 4" LIGHT WEIGHT CONCRETE ON 2-26 GAUGE STEEL FORM DECK (TOTAL THICKNESS = 4") W/ WWR 2x2 IN FLAT SHEETS AT MID-DEPTH OF SLAB ON CFSF @ 18" OC. DESIGNER SPEC CRITERIA (SEE SECTION 5.1.1).
 T/S LAB = (SEE PLAN).
 MINIMUM DECK PROPERTIES:
 I_p = 0.015 IN⁴/FT
 I_w = 0.015 IN⁴/FT
 S_p = 0.043 IN³/FT
 S_x = 0.043 IN³/FT
 - ⑤ T/STEL = (+) 18'-0" (UNLESS NOTED OTHERWISE).
 - ⑥ (B) DENOTES QUALITY CONTROL (QC) HCA WELDED TO TOP FLANGE OF STEEL BEAM.
 - ⑦ "X" DENOTES POINT OF UPWARD CAMBER ON THE BEAM OR GIRDER. FOR TYPICAL COMPOSITE FLOOR BEAM SEE DETAIL 4/S-4.11.
 - ⑧ TYPICAL COMPOSITE FLOOR GIRDER SEE DETAIL 5/S-4.11.
 - ⑨ VERIFY ALL OPENING DIMENSIONS WITH MECHANICAL.
 - ⑩ AT END OF BEAMS DENOTE MINIMUM UNFACTORED (ASD) REACTIONS FOR CONNECTION DESIGN. IF REACTION IS NOT SHOWN, DESIGN FOR 20K.
 - ⑪ FOR SLAB REINFORCING AT FLOOR OPENINGS SEE 2/S-4.11 FOR OPENINGS < 2'-0" WIDE & 1/S-5.11 FOR OPENINGS > 2'-0" WIDE.
 - ⑫ DENOTES MOMENT CONNECTION. FABRICATOR SHALL SUBMIT MOMENT CONNECTION CALCULATIONS, SIGNED & SEALED BY A LICENSED DESIGN PROFESSIONAL, WITH SHOP DRAWINGS. 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 LOADS NOT SHOWN ON PLANS, DESIGN FOR LOADS SHOWN BELOW.
 MOMENT: 20 K-FT
 SHEAR: 20 K
 - ⑬ "CB" DENOTES 4" x 4" MIN COL BRACE L4x4x3/8 @ JOIST SPA LESS THAN 6'-0". L5x5x3/8 @ JOIST SPA GREATER THAN 6'-0". WELD BRACE TO COL PL & TOP CHORD OF JOIST OR TOP FLANGE OF BEAM W/ 3/16" FILED WELD @ 2" LG. USE 2" ANGLES @ T-SHAPED AREAS. WELD DECK TO EA ANGLE W/ 3/4" PUDDLE WELDS @ 6" OC. LOCATE @ ALL COLS W/ FRAMING CONN IN ONLY (1) - D DIRECTION.
 - ⑭ FOR TYPICAL COMPOSITE SLAB CONSTRUCTION JOINT SEE 4/S-4.11.
 - ⑮ 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.
 - ⑯ 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.
 - ⑰ DENOTES: CMU SHEAR WALL (SEE S-3.31).
 - ⑱ 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 REINFC W/ #5 @ 48" (TYP UNO). VERT DOWELS SHALL BE DRILLED & EPOXIED 3" INTO ELEVATED SLAB.
 - ⑲ AT NOISE CRITICAL SPACES, CMU WALLS SHALL BE GROUTED SOLID. SEE ARCH FOR NOISE CRITICAL CMU WALL LOCATIONS AND EXTENTS.
 - ⑳ DENOTES BEAM SPLICE. SEE 1/S-5.5.11 FOR TYP BEAM SPLICE CONN.
 - ㉑ AT THE TOP OF INTERIOR GLAZING, PROVIDE CFSF HEADER TO BE HUNG DOWN FROM AND KICKED BACK OF TO STRUCTURE ABOVE. SEE ARCH FOR LOCATIONS.
 - ㉒ DENOTES EXISTING SLAB DEPRESSION TO BE INFILLED. FOR DEPRESSION DEPTHS 4 1/2" OR LESS, EXIST SLAB DEPRESSION SHALL BE FILLED WITH 3000 PSI NORMAL WEIGHT CONCRETE REINFORCED W/ WWR 6x6x2 1xW2 1 @ 1-1/2" BELOW T/S LAB. EXIST 1" DEEP SLAB DEPRESSION SHALL BE INFILLED WITH 6" THICK 3000 PSI NORMAL WEIGHT CONCRETE SLAB-ON-GRADE REINFORCED W/ WWR 6x6x2 1xW2 2 @ 1-1/2" BELOW T/S LAB OVER WELL GRADED AGGREGATE BASE PER GEOTECHNICAL RECOMMENDATIONS.
 - ㉓ 4" CONCRETE SLAB-ON-GROUND REINFORCED W/ WWR 6x6x2 1xW2 1 @ 1-1/2" BELOW T/S LAB OVER 4" CRUSHED STONE BASE (SEE ARCH FOR VAPOR RETARDER LOCATIONS).
 T/S LAB = SEE CIVIL
 REF T/S LAB = 18'-0"
 - ㉔ DENOTES DEPRESSED SLAB (SEE ARCH FOR EXTENTS).
 - ㉕ EX-DENOTES EXISTING STRUCTURE. GC SHALL FIELD VERIFY EXISTING CONDITIONS MATCH WHAT IS SHOWN ON CONSTRUCTION DOCUMENTS. GC SHALL REPORT ANY VARIATIONS FOUND IN FIELD TO ARCH & SER FOR REVIEW AND COORDINATION.
 - ㉖ MCJ-DENOTES MASONRY CONTROL JOINT (SEE 1/S-3.31 FOR MORE INFO).

STRUCTURAL COLUMN SCHEDULE

MARK	SIZE
C1	HSS6x6x1/4
C2	HSS8x6x1/6
C3	HSS8x6x3/8
C4	HSS8x6x1/2
C5	HSS8x6x5/8
C6	HSS8x6x1/4
C7	HSS12x12x5/8
C8	HSS14x10x5/8
C9	HSS10x10x5/8
C10	HSS5x5x1/2
C11	W14x9
C12	HSS10x6x5/8
C13	HSS12x6x5/8



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 PES PROJECT NUMBER: 201912
 PES GEORGIA COA NUMBER: PEF00799
 EXPIRATION DATE: 06/30/2020

CGLS ARCHITECTS
 CHAPMAN GRIFFIN LANIER SUSSENBACH ARCHITECTS, INC.
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RELEASED FOR CONSTRUCTION

DATE: 01/13/2020

DATE NO. DESCRIPTION

08/29/19	1	SOB CONSTRUCTION DOCUMENTS
12/04/19	2	SOB CONSTRUCTION DOCUMENTS CHECK SET
01/13/20	3	FINAL GDD/PERT SET
02/02/20	4	ISSUED FOR BID

DATE: 01/13/2020

PROJECT NO: 16015.03

DATE: 01/13/2020

DRAWN BY: RAS
 CHECKED BY: ABS

SHEET NO: S-2.21

C HAPMAN GRIFFIN LANIER SUSSENBACH ARCHITECTS
 400 Galleria Parkway, Suite 100, Atlanta, GA 30339 Phone: 404.733.5493

RIVERWOOD HIGH SCHOOL - PHASE 3
 AUDITORIUM/GYMNASIUM ADDITION

5900 RAIDER DRIVE NW SANDY SPRINGS, GA 30328
 FULTON COUNTY SCHOOLS RFP NO. 415-20