LEVEL 2 FRAMING PLAN

1 / S102

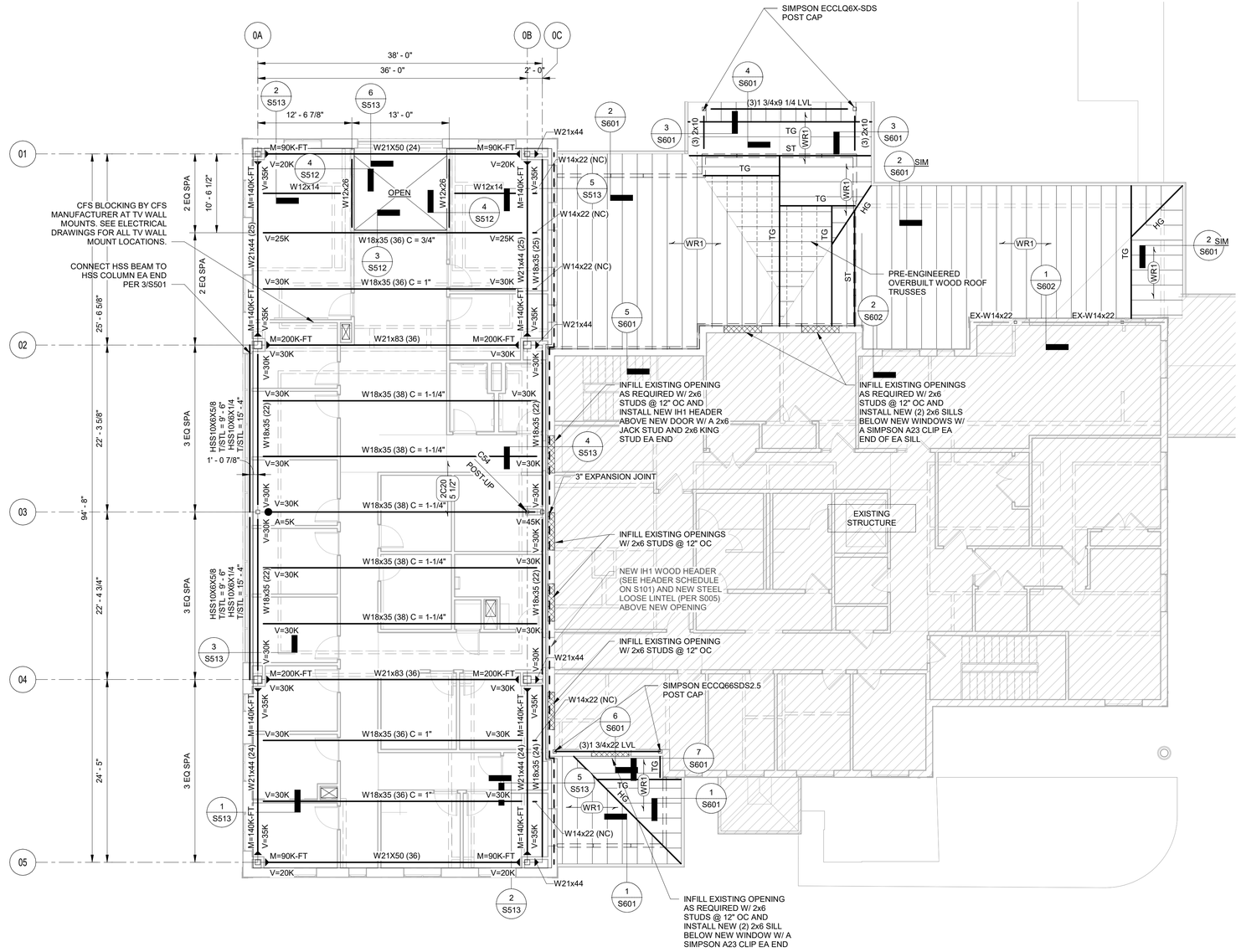
SCALE: 1/8" = 1'-0"

STEEL FLOOR FRAMING PLAN NOTES:

1. 2C20 / 5 1/2" — DENOTES 3 1/2" NORMAL WEIGHT CONCRETE ON 2"-20 GAUGE COMPOSITE METAL DECK (TOTAL THICKNESS = 5 1/2") REINFORCED W/ 4 PCY MACRO-SYNTHETIC FIBERS.
   MINIMUM DECK PROPERTIES:
   I_{eff} = 0.417 IN^4/FT I_{pr} = 0.412 IN^4/FT
   S_{eff} = 0.342 IN^3/FT S_{nr} = 0.347 IN^3/FT
2. T/SLAB = SEE LEVEL SCHEDULE THIS SHEET.
3. T/STEEL = SEE LEVEL SCHEDULE THIS SHEET.
4. DENOTES THE AMOUNT OF CAMBER ON THE BEAM OR GIRDER
   DENOTES QUANTITY OF 3/4" DIA x 4" LG HEADED STUD ANCHORS WELDED TO TOP FLANGE OF STEEL BEAM (NC): DENOTES NON-COMPOSITE BEAM
   DENOTES BEAM SIZE — W#x## (#) C=#"
   TOP OF STEEL ELEVATION (UNLESS NOTED OTHERWISE) — (+) #' - #"
5. FOR TYPICAL COMPOSITE STEEL FRAMING SECTIONS AND DETAILS SEE S511 - S512
6. GENERAL CONTRACTOR SHALL VERIFY ALL OPENING DIMENSIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
7. V=#K — DENOTES DESIGN SERVICE LEVEL (ALLOWABLE STRESS DESIGN) SHEAR REACTION. IF REACTION IS NOT SHOWN, DESIGN FOR 15 K.
8. DENOTES MOMENT CONNECTION. DESIGN CONNECTIONS FOR FORCES INDICATED ON PLAN AND IN ELEVATIONS. FOR CONNECTION DETAIL - SEE 5/S501.
   DENOTES BEAM-THRU-BEAM MOMENT CONNECTION. DESIGN CONNECTIONS FOR FORCES INDICATED ON PLAN AND IN ELEVATIONS. FOR CONNECTION DETAIL - SEE 4/S501.
   M=#K-FT — DENOTES DESIGN SERVICE LEVEL (ALLOWABLE STRESS DESIGN) MOMENT REACTION (+ OR -). IF FORCE IS NOT SHOWN, DESIGN FOR 25 K-FT.
9. DENOTES DRAG CONNECTION. DESIGN CONNECTIONS FOR AXIAL FORCES INDICATED ON PLAN AND IN ELEVATIONS. DRAG CONNECTIONS TO HSS COLUMNS SHALL BE THRU-PLATES, UNO - SEE 2/S501
   A=#K — DENOTES DESIGN SERVICE LEVEL (ALLOWABLE STRESS DESIGN) AXIAL DRAG FORCE. IF FORCE IS NOT SHOWN, DESIGN FOR 5 K.
10. POST-UP — DENOTES COLUMN POST UP PER DETAIL 1/S501.
11. INSTALL (3)-#4 BARS @ 6" OC AT MID-DEPTH OF SLAB CONTINUOUS AROUND ENTIRE PERIMETER OF SLAB AND AT ALL INTERIOR SLAB EDGES. LAP EDGE BARS 3' - 0" AND EXTEND 4' - 0" PAST ALL INSIDE CORNERS.

WOOD ROOF FRAMING PLAN NOTES:

1. WR1 — DENOTES 5/8" WOOD ROOF SHEATHING ON GABLED PRE-ENGINEERED WOOD ROOF TRUSSES AT 24" OC, UNLESS NOTED OTHERWISE.
2. TRUSS BEARING ELEVATION = 12' - 0", UNLESS NOTED OTHERWISE.
3. TG — DENOTES PRE-ENGINEERED WOOD TRUSS GIRDER. PROVIDE A STUD PACK WITH ONE MORE STUD THAN THE NUMBER OF PLIES IN TRUSS GIRDER DOWN TO FOUNDATION.
4. HG — DENOTES PRE-ENGINEERED WOOD TRUSS HIP GIRDER. PROVIDE A STUD PACK WITH ONE MORE STUD THAN THE NUMBER OF PLIES IN TRUSS GIRDER DOWN TO FOUNDATION.
5. ST — DENOTES PRE-ENGINEERED WOOD SHEAR TRUSS TO ALIGN WITH SHEAR WALL BELOW. DESIGN FOR IN-PLANE SHEAR LOAD PER SHEAR WALL SCHEDULE. FASTEN SHEAR TRUSS TO TOP OF SHEAR WALL BELOW PER 4/S611
6. ALL ROOF TRUSSES SHALL HAVE UPLIFT TIES AT ALL BEARING POINTS PER ROOF TRUSS TIE DOWN SCHEDULE ON THIS SHEET. REACTIONS SHALL BE PROVIDED BY THE TRUSS ENGINEER IN THE FINAL, FOR CONSTRUCTION TRUSS SHOP DRAWINGS.
7. X# - ## — DENOTES WOOD BEAM - SEE SCHEDULE ON THIS SHEET.
   NOMINAL BEAM DEPTH
   NUMBER OF PLYS
   D = DIMENSIONED LUMBER
   L = LVL
8. ALL WOOD ROOF BEAMS BEARING ON WALLS SHALL HAVE UPLIFT TIES AT BEARING POINTS - SEE WOOD ROOF BEAM SCHEDULE ON THIS SHEET.
9. FOR TYPICAL ROOF DIAPHRAGM FASTENING - SEE DETAIL 2/S611, UNLESS NOTED OTHERWISE ON PLAN
10. SEE FLOOR LEVEL BELOW FOR SHEAR WALL LOCATIONS. PROVIDE SHEAR TRUSS OVER THESE LOCATIONS CAPABLE OF TRANSFERRING LOAD TO WALL NOTED ON SHEAR WALL SCHEDULE.
11. DENOTES LOAD-BEARING WALLS BELOW.



LEVEL SCHEDULE

NAME	ELEVATION
FFE	0"
LEVEL 2 - T/STL	12' - 6 1/2"
LEVEL 2 - T/SLAB	13' - 0"

WOOD BEAM SCHEDULE

BEAM TYPE	STUD PACKS LEVEL 1	HANGER (WHERE REQUIRED)
(3) 1 3/4x9 1/4 LVL	SEE PLAN	-
(3) 1 3/4x22 LVL	SEE PLAN	-
(3) 2x10	(3) 2x6	SIMPSON (2) H2.5A

ROOF TRUSS TIE DOWN SCHEDULE

UPLIFT REACTION AT BEARING POINTS OF ROOF TRUSS (ASD)	SIMPSON TIE-ROOF @ EACH END OF BEAM	NAILS TO TRUSS	NAILS TO PL	SDS SCREWS TO TRUSS	THRU-BOLTS TO PL	REMARKS
< 540 LB	H2.5A SIMPSON TIE	0.131" x 1 1/2"	0.131" x 1 1/2"	-	-	-
540 LB ≤ REACTION < 1080 LB	(2) H2.5A SIMPSON TIES	0.131" x 1 1/2"	0.131" x 1 1/2"	-	-	-
1080 LB ≤ REACTION < 1420 LB	(2) H8 SIMPSON TIES	0.148" x 1 1/2"	0.148" x 1 1/2"	-	-	-
1420 LB ≤ REACTION < 3990 LB	(2) VGTL/R SIMPSON TIEDOWNS	-	-	1/4" x 3"	(2) 5/8" DIA	2 PLY MIN W/ HDU4 EA FACE BEL OW TOP PL; 1/4" x 3" SQ WASHER
3990 LB ≤ REACTION < 6485 LB	HGT-2 SIMPSON TIEDOWN	0.148" x 3"	-	-	(2) 5/8" DIA	2 PLY W/ FULL-HEIGHT THREAI ROD; 1/4" x 3" SQ WASHER F
6485 LB ≤ REACTION < 9035 LB	HGT-3 SIMPSON TIEDOWN	0.148" x 3"	-	-	(2) 5/8" DIA	3 PLY W/ FULL-HEIGHT THREAI ROD; 1/4" x 4" SQ WASHER PL

PES STRUCTURAL ENGINEERS
ADDRESS 1852 Century Place NE, Suite 201, Atlanta Georgia 30345
PHONE 770.457.5923 WEB www.pesengineers.com
PES PROJECT NUMBER: 0250683
PES GEORGIA LICENSE NUMBER: PEF000799
EXPIRATION DATE: 6/30/2028

Brown AND Caldwell
BROWN AND CALDWELL
900 HAMMOND DRIVE, SUITE 500
ATLANTA, GA 30328
wendel

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL AND SIGNATURE OF A DULY REGISTERED PROFESSIONAL

CONSTRUCTION DOCUMENTS
07/01/2026

NCWSA NEWTON COUNTY WATER & SEWERAGE AUTHORITY

NCWSA OFFICE ADDITION

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: Designer
DRAWN: Author
CHECKED: Checker
CHECKED:
APPROVED: Approver
FILENAME
BC PROJECT NUMBER 616202
CLIENT PROJECT NUMBER

LEVEL 2 FRAMING PLAN

DRAWING NUMBER
S102

Path: Autodesk Docs://NCWSA Admin Bldg_ V25/0250683-NCWSA Office Addition-R25-STRUCT.rvt
Plot Date: 7/1/2026 12:51:37 PM