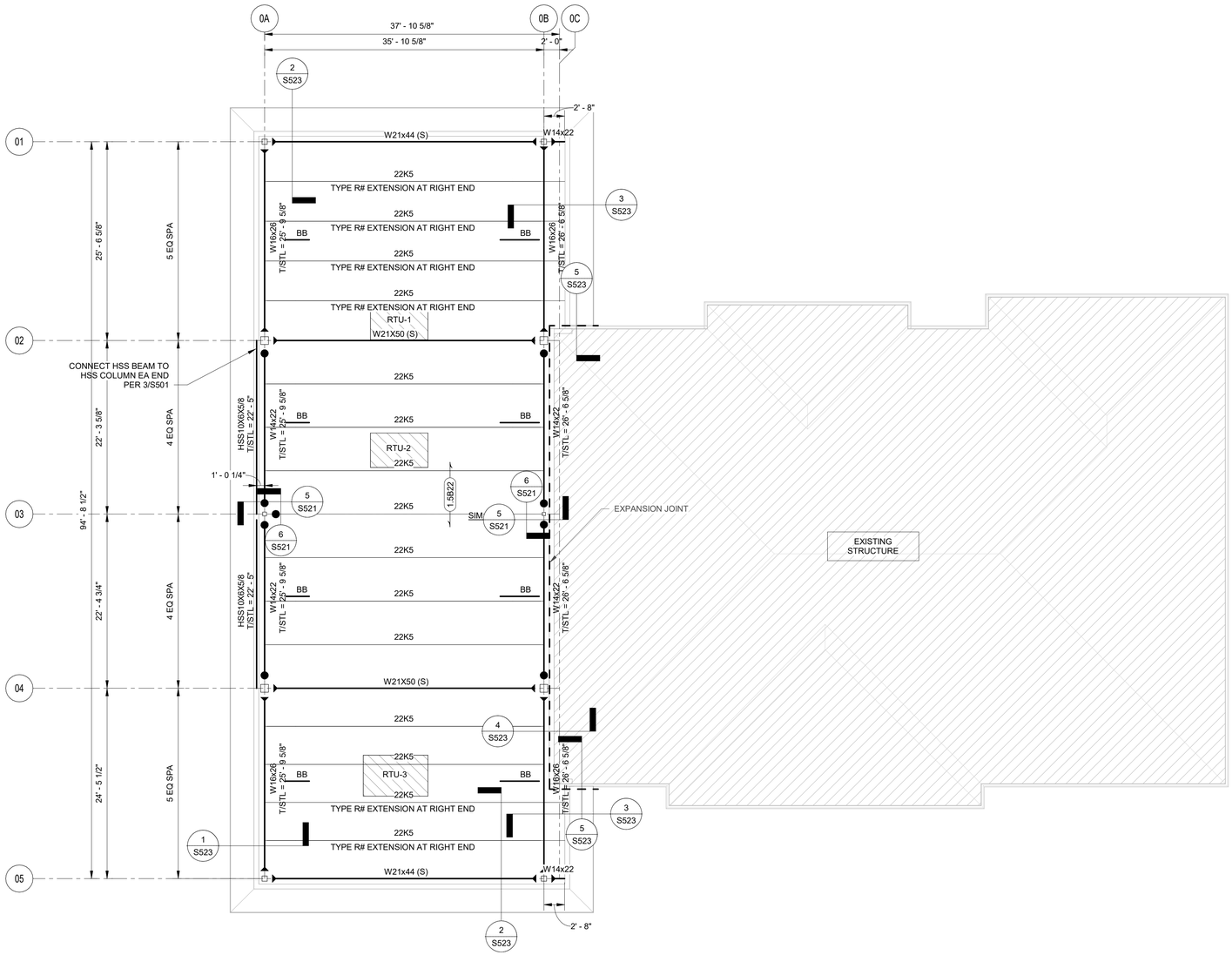
ROOF FRAMING PLAN

1 / S103

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

STEEL ROOF FRAMING PLAN NOTES:

1. 1.5B22 — DENOTES 22 GAUGE 1 1/2" TYPE B WIDE RIB STEEL ROOF DECK.
   MINIMUM DECK PROPERTIES:
   I_p+ = 0.162 IN⁴/FT I_p- = 0.175 IN⁴/FT
   S_p+ = 0.183 IN³/FT S_p- = 0.189 IN³/FT
2. SEE PLAN FOR TOP OF STEEL ELEVATIONS.
3. NOTIFY STRUCTURAL ENGINEER OF RECORD IF PIPING WEIGHT IS IN EXCESS OF THOSE NOTED IN SCHEDULE. FOR ALL PIPING SUPPORTED FROM ROOF STRUCTURE SEE S005
4. DO NOT SUPPORT MULTIPLE SPRINKLER MAINS FROM THE SAME JOIST. GENERAL CONTRACTOR TO PROVIDE SPRINKLER DRAWINGS TO STRUCTURAL ENGINEER OF RECORD AND JOIST MANUFACTURER FOR REVIEW AND COORDINATION PRIOR TO JOIST FABRICATION WHERE LOAD PER JOIST EXCEEDS 200#.
5. JOISTS SHALL BE REINFORCED AT CONCENTRATED LOADS - SEE 2/S521
6. PROVIDE SUPPORT FRAME AT ROOF DRAINS, VENTS, EXHAUST FANS, HATCHES, AND OTHER OPENINGS LARGER THAN 12" PER 1/S521 COORDINATE SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
7. ROOF EDGE ANGLES SHALL BE CONTINUOUS. FOR SPLICE CONNECTION - SEE 4/S521
8. MAXIMUM SPACING OF STEEL ROOF JOISTS SHALL BE 6' - 0" OC, UNLESS NOTED OTHERWISE.
9. JOIST SEATS SHALL BE DESIGNED FOR ROLL-OVER FORCES ALONG GRID LINES 0A & 0B, UNLESS NOTED OTHERWISE ON PLAN - SEE 3/S521.
10. V=#K DENOTES: DESIGN SERVICE LEVEL (ALLOWABLE STRESS DESIGN) SHEAR REACTION. IF REACTION IS NOT SHOWN, DESIGN FOR 15 K.
11. ▶—— DENOTES MOMENT CONNECTION. DESIGN CONNECTIONS FOR FORCES INDICATED ON PLAN AND IN ELEVATIONS. FOR CONNECTION DETAIL - SEE 5/S501.
    M=#K-FT DENOTES DESIGN SERVICE LEVEL (ALLOWABLE STRESS DESIGN) MOMENT REACTION (+ OR -). IF FORCE IS NOT SHOWN, DESIGN FOR 25 K-FT.
12. ●—— 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.
13. BB DENOTES BEAM BOTTOM FLANGE BRACE PER DETAIL 7/S521.



NOTES:

1. NOTIFY ARCHITECT/ENGINEER IF UNIT SUPPLIED EXCEEDS SCHEDULED WEIGHT.
2. REFERENCE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION AND EXACT UNIT SIZES AND LOCATIONS.
3. EQUIPMENT CURB AND ANCHORAGE IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR - SEE 2/S522. ANCHOR CURBS TO RESIST UPLIFT AND OVERTURNING FORCES FROM WIND LOADS.

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wendel

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

Project Status

NCWSA NEWTON COUNTY WATER & SEWERAGE AUTHORITY

Project Name

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

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

ROOF FRAMING PLAN

DRAWING NUMBER
S103

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