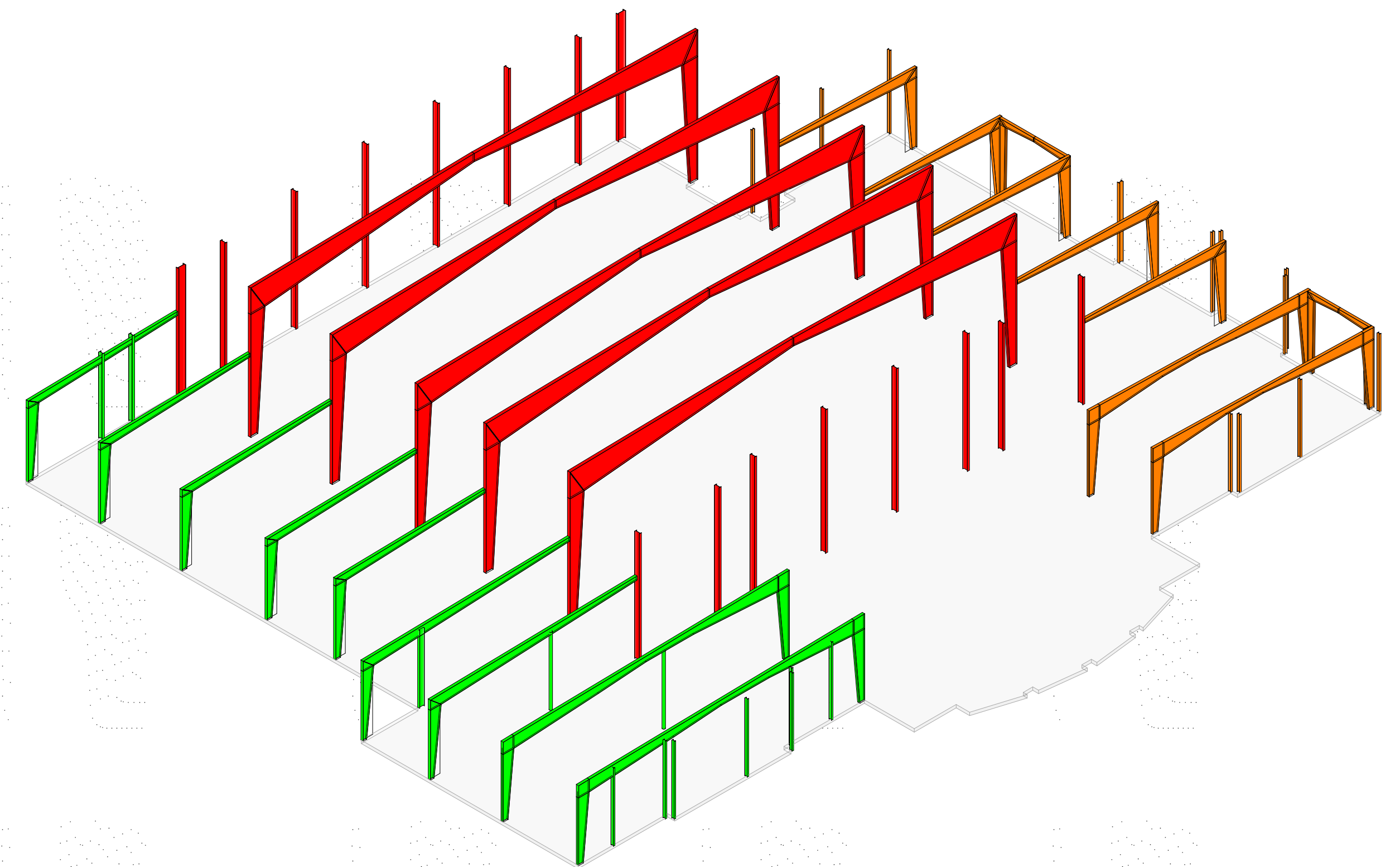
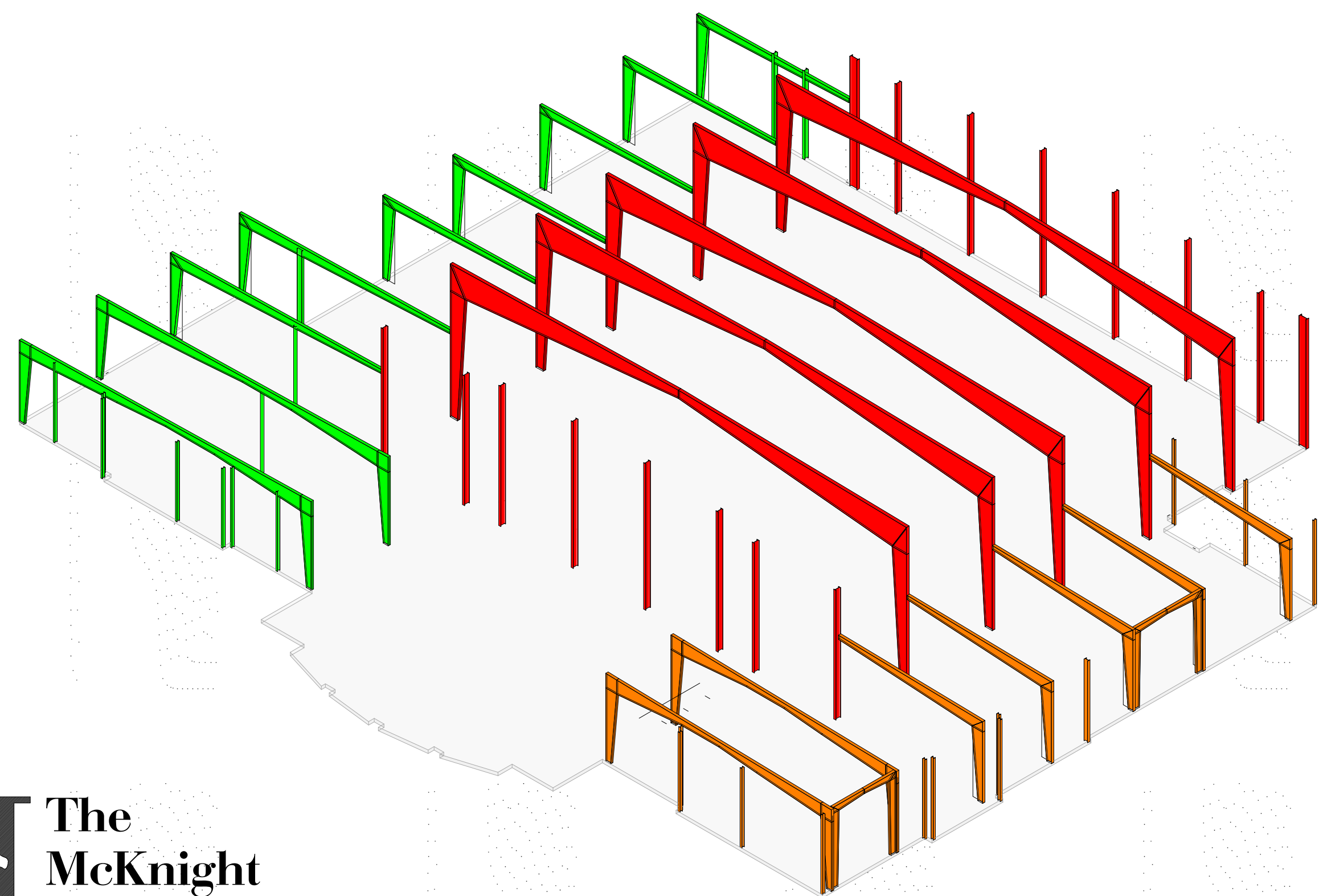
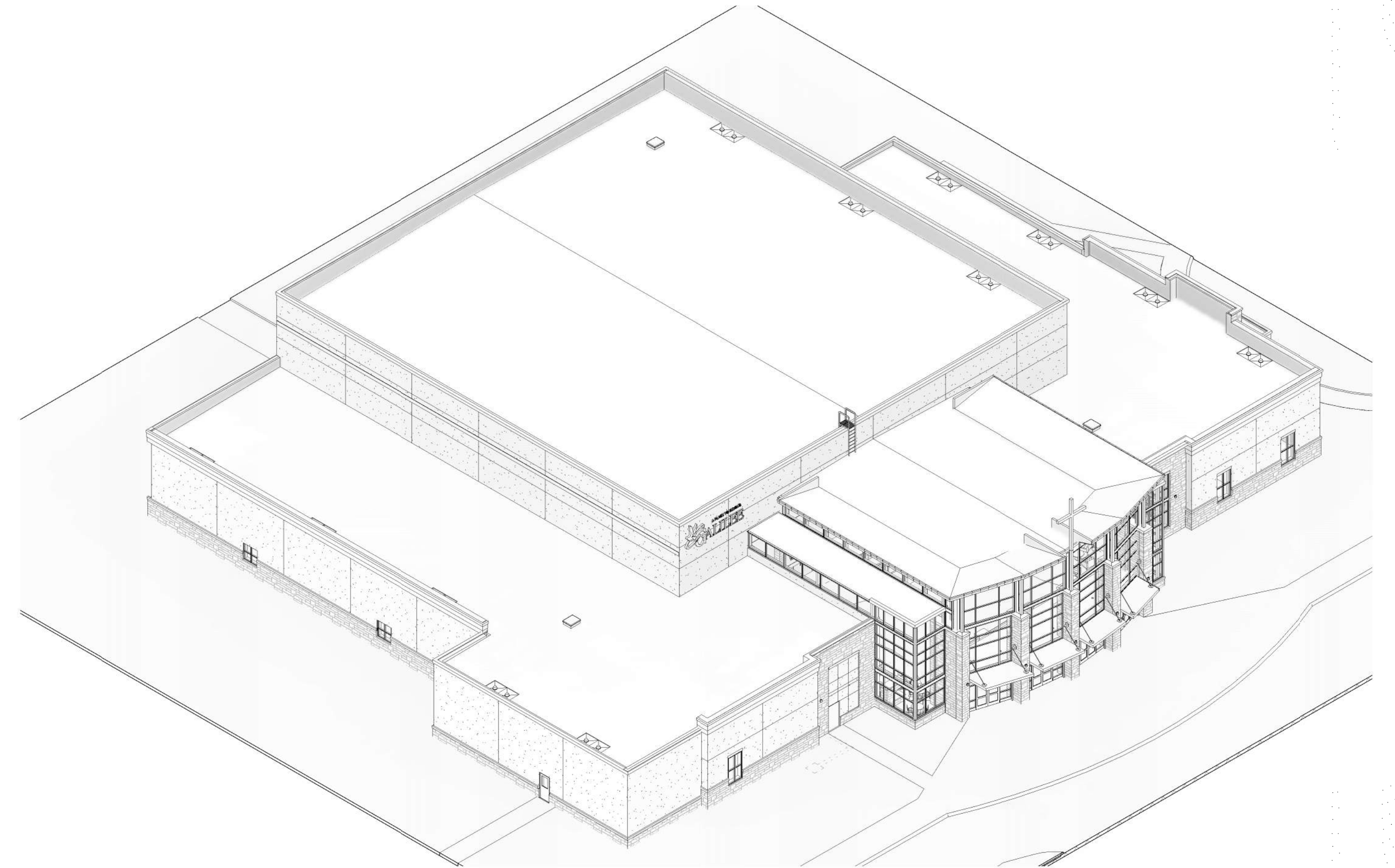
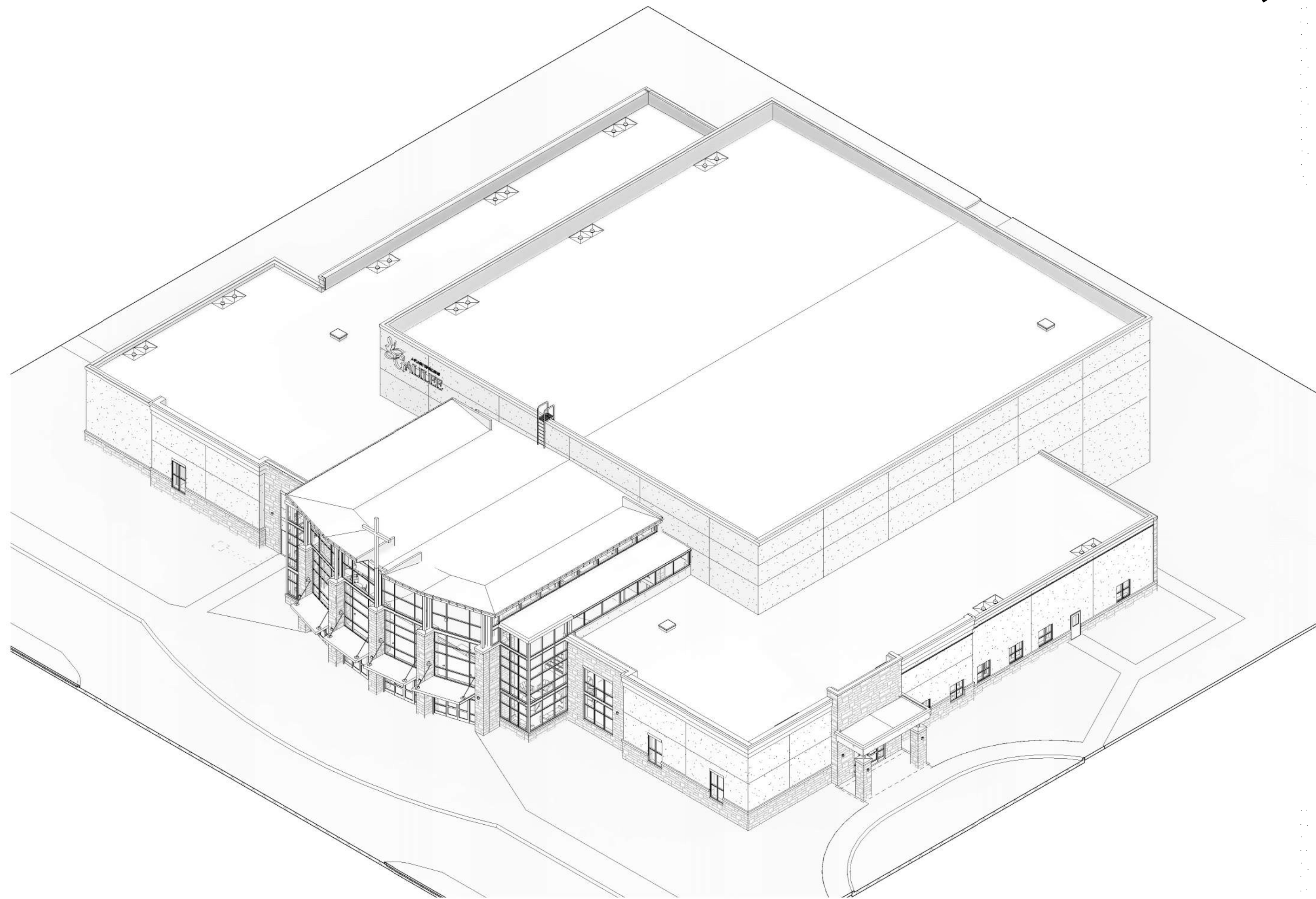


GALILEE BAPTIST CHURCH

6300 WOODYARD ROAD,

UPPER MARLBORO, MD 20772



CODED NOTES - PEMB

- 1 CURTAIN LEG - 6' @ 17 plf = 100LB TOTAL
- 2 LIGHT BAR; APPROX WEIGHT 30 PLF (DESIGN ONLY) 46' LONG = 1,380LB TOTAL
- 3 X-BRACING PROPOSED FOR THIS FRAME
- 4 PORTAL FRAME PROPOSED FOR THIS BAY
- 5 CHOIR MONITOR SPEAKER -50LB (2 POINT LOADS)
- 6 SPEAKER ARRAY - 250LB (2 POINT LOADS)
- 7 SUBWOOFER ARRAY - 300LB (2 POINT LOADS)
- 8 PROJECTOR - 100LB POINT LOAD
- 9 OPERABLE PARTITION 9'-0" HIGH (8LB/SF = 72LBS/LF)
- 10 PIPE BATTON - 35' @ 25 plf = 750LB TOTAL
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GENERAL NOTES

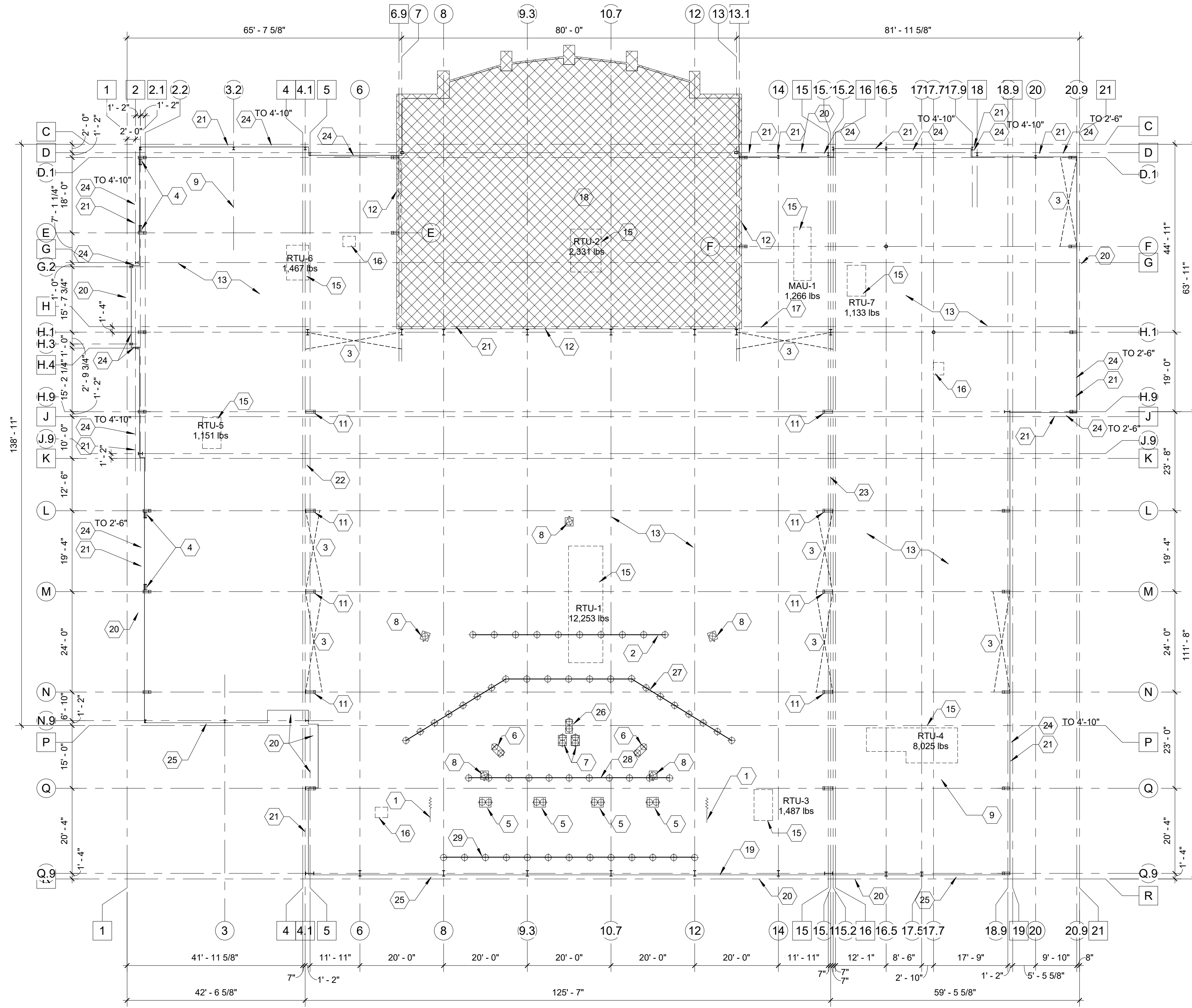
- A. ALL WALL CONSTRUCTION TO BE GIRTS, U.N.O.
- B. ALL END WALL COLUMNS TO BE STRAIGHT, U.N.O.
- C. ALL MAINFRAMES TO BE TAPERED COLUMNS, U.N.O.
- D. ALL PURLINS ASSUMED TO BE MAX. 10"
- E. FIRST GIRT TO BE "C" GIRTS TOES UP, U.N.O.
- F. AT FRAMED WINDOW OPENINGS, BOTTOM GIRT TO BE TOES DOWN.
- G. ALL CHANNELS AT TOP OF PARAPET WALLS TO BE TOES DOWN, U.N.O.
- H. X-BRACING AND PORTAL FRAME LOCATIONS SHALL BE AS SHOWN ON PLANS. IF ADDITIONAL FRAMES OR BRACING ARE REQUIRED OR THEIR LOCATIONS CHANGED, ARCHITECT SHALL BE NOTIFIED IMMEDIATELY AND RESOLVED BEFORE FINALIZING DESIGN.
- I. PORTAL FRAMES SHALL BE ATTACHED DIRECTLY TO THE MAINFRAME AND HELD 6" A.F.F.
- J. NO FLANGE BRACING BELOW 15'-0".

THE LOCATION AND ORIENTATION OF THE METAL BUILDING COLUMNS AS SHOWN ON THIS PLAN HAVE BEEN CAREFULLY CONSIDERED AND CURRENTLY WORK WITH THE ARCHITECTURAL AND STRUCTURAL DESIGN. ANY CHANGES MAY RESULT IN A REDESIGN OF THE STRUCTURE AND A CHANGE IN LAYOUT OF THE ARCHITECTURE. THEREFORE, IF THE METAL BUILDING DESIGNER REQUIRES A CHANGE FROM THIS SET OF DRAWINGS, PLEASE CALL THE MCKNIGHT GROUP AT (614) 875-1689. FAILURE TO ADDRESS CHANGES EARLY IN THE PROCESS MAY RESULT IN REJECTION OF THE METAL BUILDING DESIGN.

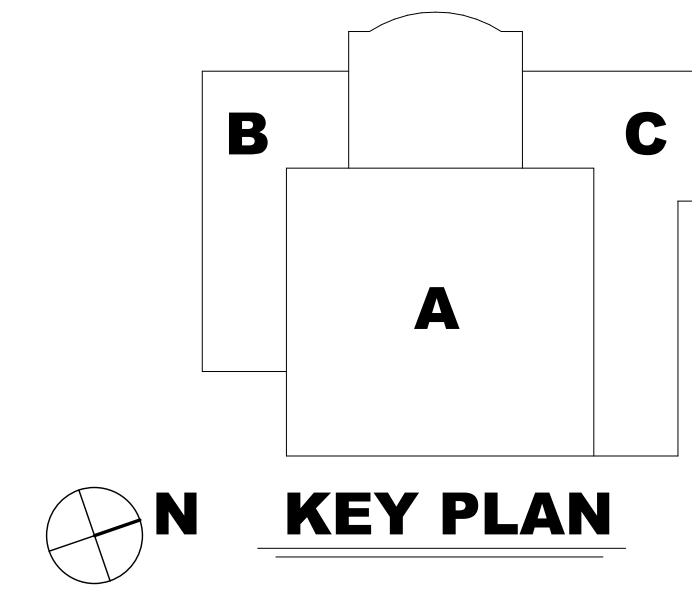
NOTE: PRE-ENGINEERED METAL BUILDING WAS DESIGNED PER CECO METAL BUILDING MANUFACTURER'S SPECIFICATIONS. SHOULD ANOTHER MANUFACTURER BE SELECTED FOR THIS PROJECT, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR (GC) TO MAKE ALL NECESSARY ADJUSTMENTS IN THE FIELD TO ACCOMMODATE ANY/ALL DIFFERENCES. ANY ADDITIONAL DRAWINGS THAT ARE REQUESTED BY THE GC TO AID IN THIS PROCESS SHALL COME AT THE EXPENSE OF THE GC, PAID TO THE ARCHITECT.

PEMB DESIGN LOADS -

1. ROOF LIVE LOADS
 - a. MINIMUM ROOF LIVE LOAD (W/ REDUCTIONS) = 20PSF (reducible)
 - b. DESIGN ROOF LIVE LOAD = 30 PSF
2. ROOF SNOW DESIGN PARAMETERS
 - a. GROUND SNOW LOAD P_g = 35 PSF
 - b. FLAT-ROOF SNOW LOAD P_f = 27 PSF
 - c. LOW SLOPE ROOF LOAD P_m = 22 PSF
 - d. SNOW LOAD IMPORTANCE FACTOR I_s = 1.1
 - e. SNOW EXPOSURE FACTOR, C_e = 1.0
 - f. THERMAL FACTOR, C_t (FOR MAIN ROOF) = 1.0
 - g. THERMAL FACTOR, C_t (FOR CANOPIES) = 1.2
 - h. ALL APPLICABLE EFFECTS DUE TO SNOW DRIFTING
3. WIND LOAD PARAMETER (ASCE 7-16)
 - a. RISK CATEGORY III
 - b. BASIC WIND SPEED (V) = 120 MPH
 - c. BASIC WIND SPEED ASD (V-ASD) = 93 MPH
 - d. WIND EXPOSURE CATEGORY = C
 - e. INTERNAL PRESSURE COEFFICIENT, (GC_{pi}) = +/- 0.18
4. SEISMIC DESIGN PARAMETERS
 - a. SEISMIC RISK CATEGORY = III
 - b. SITE CLASS = D
 - c. MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION AT 0.2 SECOND PERIOD, $S_s = 0.140$
 - d. MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION AT 1.0 SECOND PERIOD, $S_1 = 0.052$
 - e. SEISMIC LOAD IMPORTANCE FACTOR, $I_e = 1.25$
 - f. SEISMIC DESIGN CATEGORY = B
 - g. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
 - h. SEISMIC-FORCE-RESISTING SYSTEM R = 3 (NO SPECIAL SEISMIC DETAILING REQUIRED)
 - i. DESIGN BASE SHEAR = 25 KIPS
5. COLLATERAL DEAD LOAD (SPRINKLERS, DUCTS, LIGHTS, CEILINGS) = 8 PSF
6. DEFLECTION LIMITATIONS:
 - a. FRAME DEFLECTION = H/300
 - b. GIRT DEFLECTION (WIND)
 - c. EIFS AND STONE = L/360
 - d. ROOF DEFLECTION
 - i. DL = L/180
 - ii. DL + LL = L/240



1 PEMB PLAN
1/16" = 1'-0"



KEY PLAN

The McKnight Group
Leaders in Innovative Church Design and Building

McKnight & Hosterman Architects, Inc.
3531 McDowell Road Phone: (614) 875-1655
1744 Box 370 Fax: (614) 875-7096
Grove City, Ohio 43123 www.mcknightgroup.com

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GALILEE BAPTIST CHURCH
6300 WOODYARD ROAD,
UPPER MARLBORO, MD 20772

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REVISIONS/ADDENDUMS

PEMB PLAN

PEMB 2
OF SHEETS

216118

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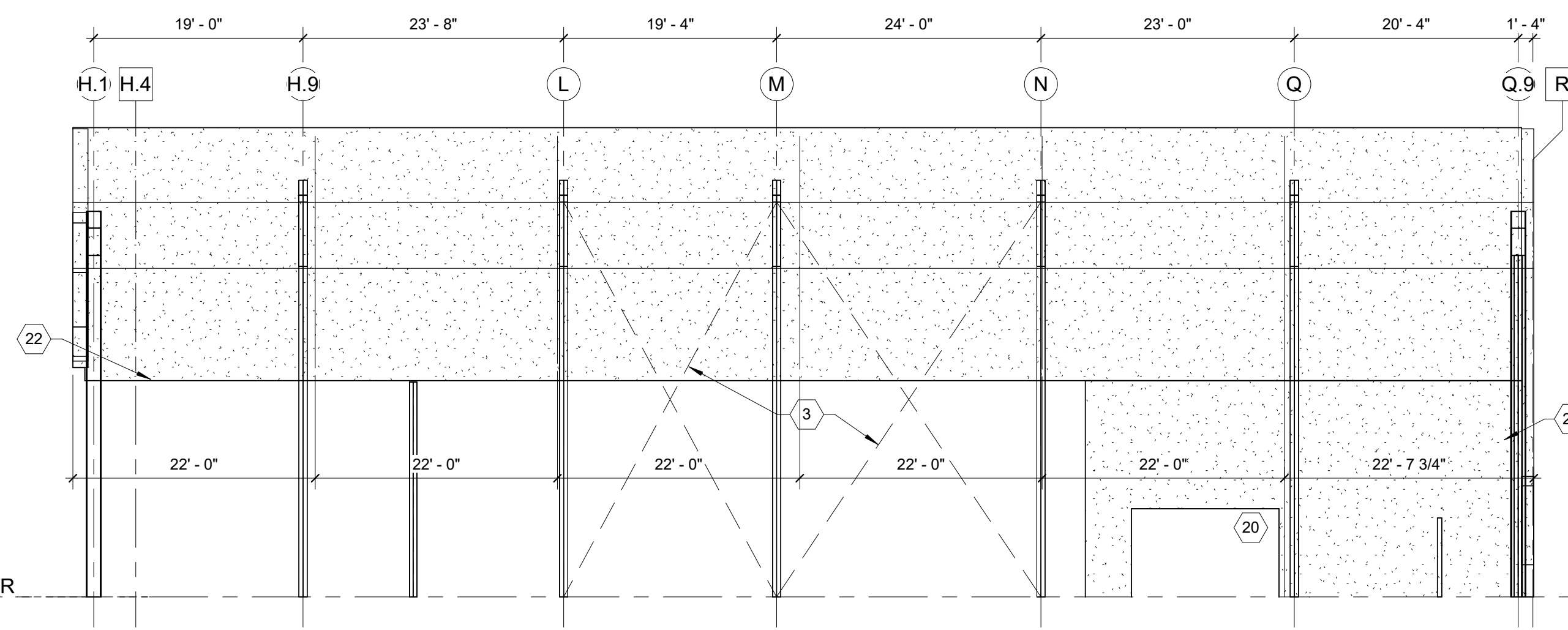
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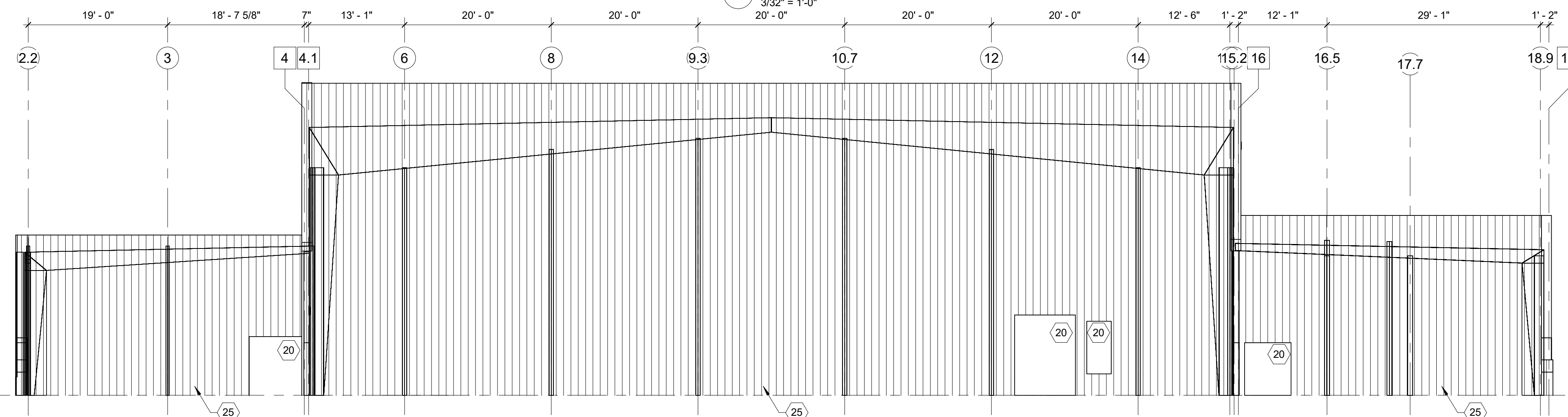
PEMB ELEVATIONS

PEMB 3
OF SHEETS

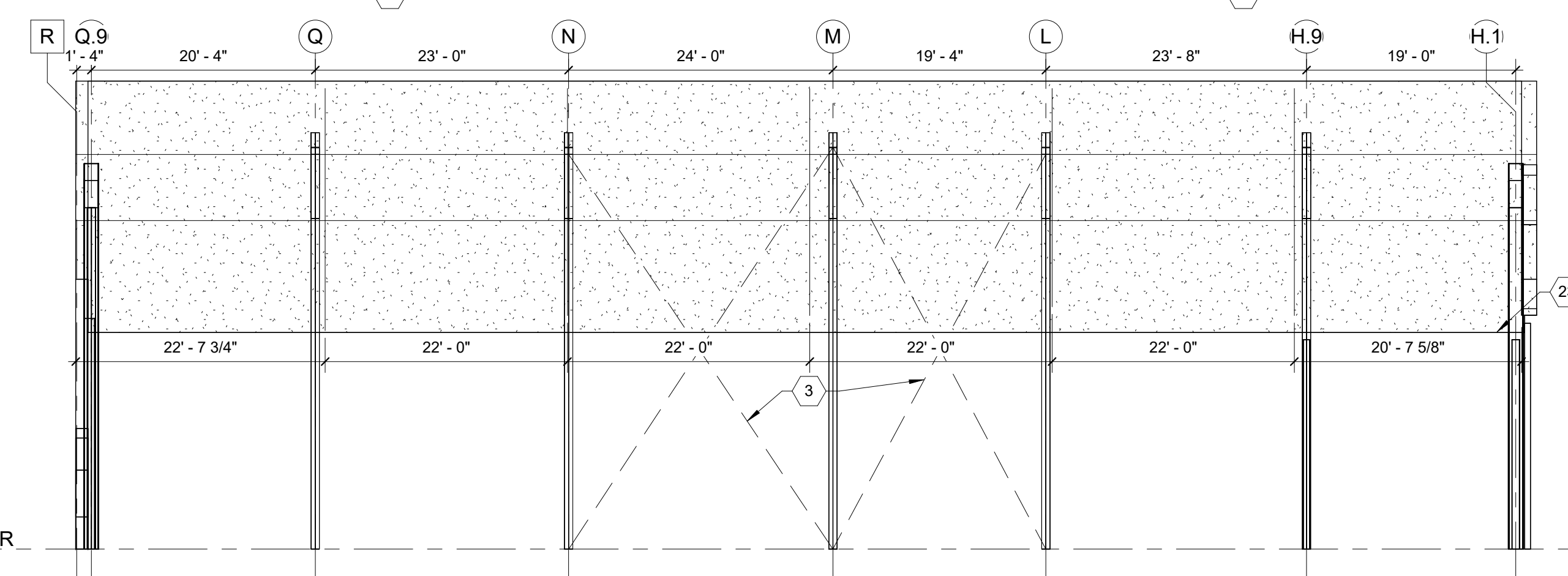
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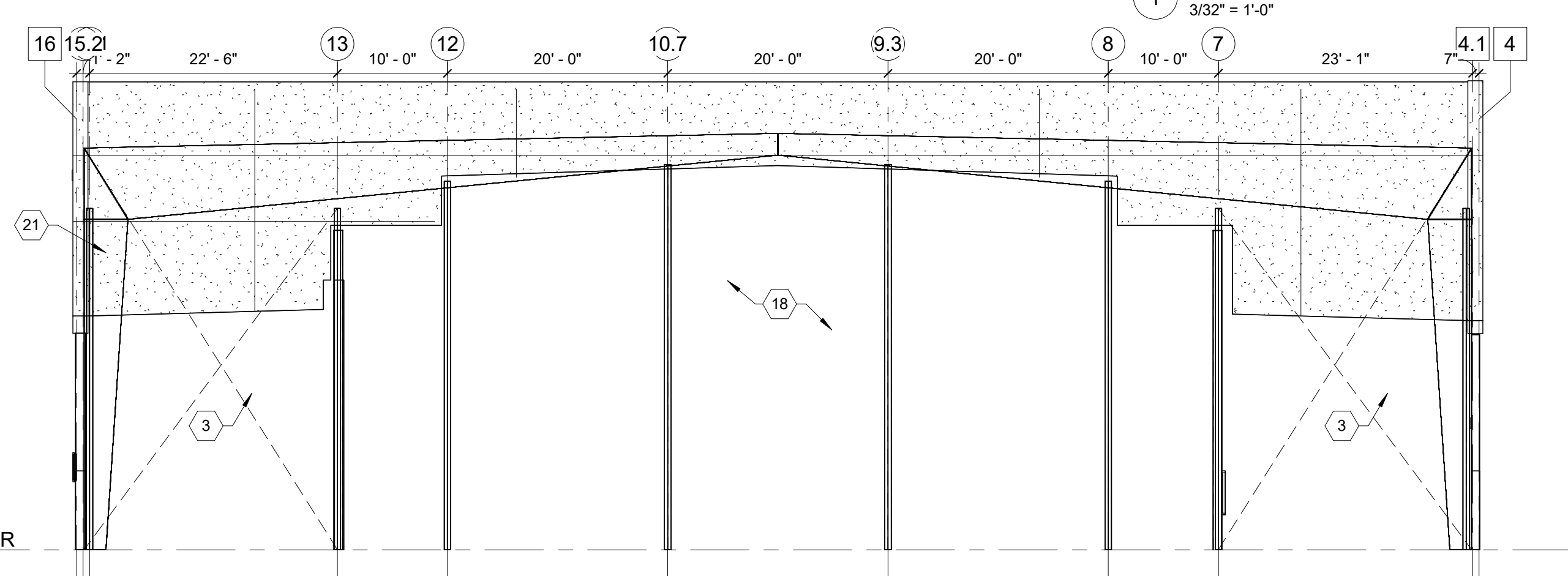
2 PEMB A SOUTH ELEVATION
3/32" = 1'-0"



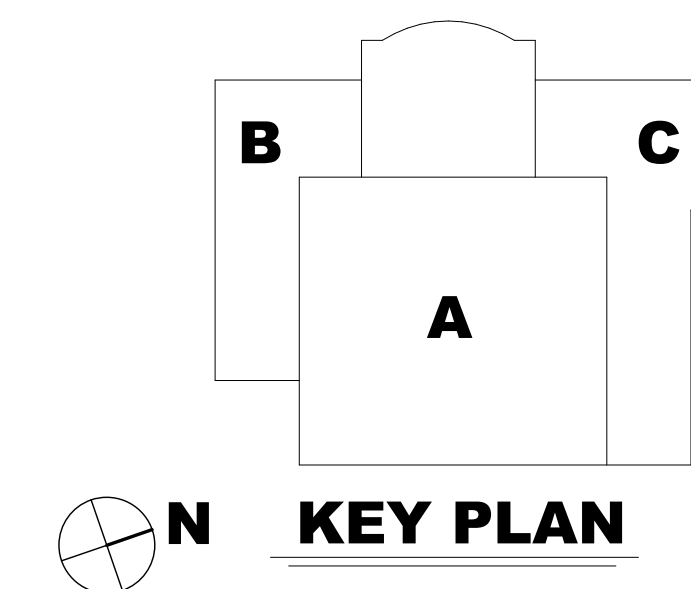
3 PEMB EAST ELEVATION
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1 PEMB A NORTH ELEVATION
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4 PEMB A WEST ELEVATION
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5

4

3

2

1

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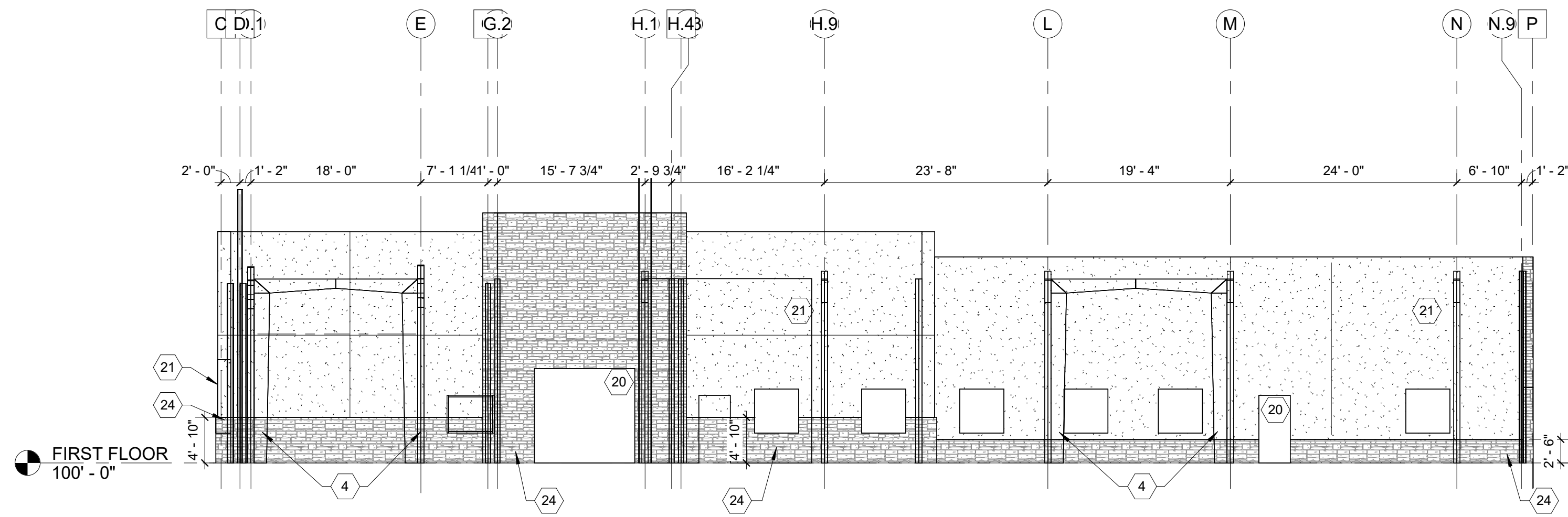
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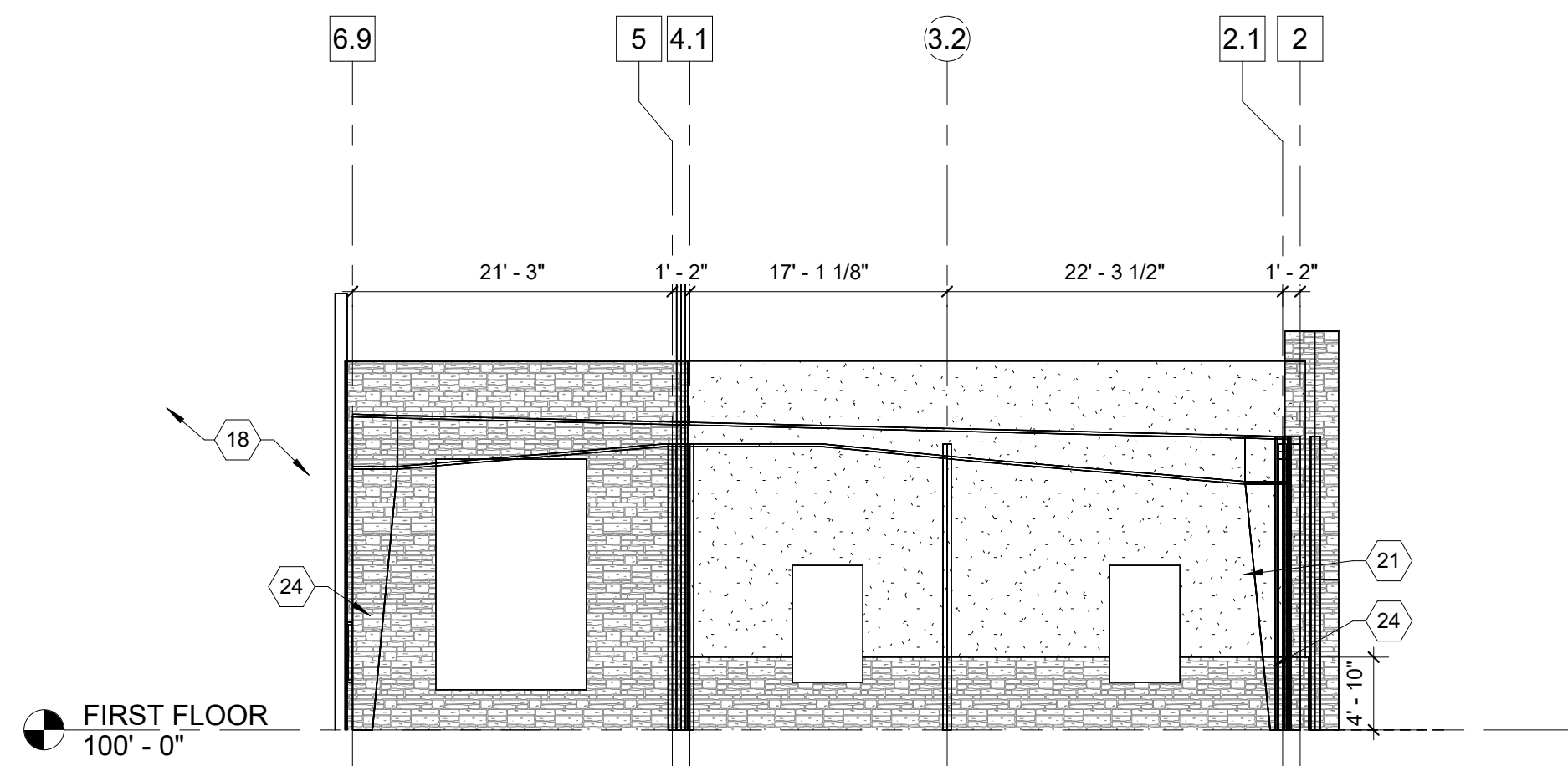
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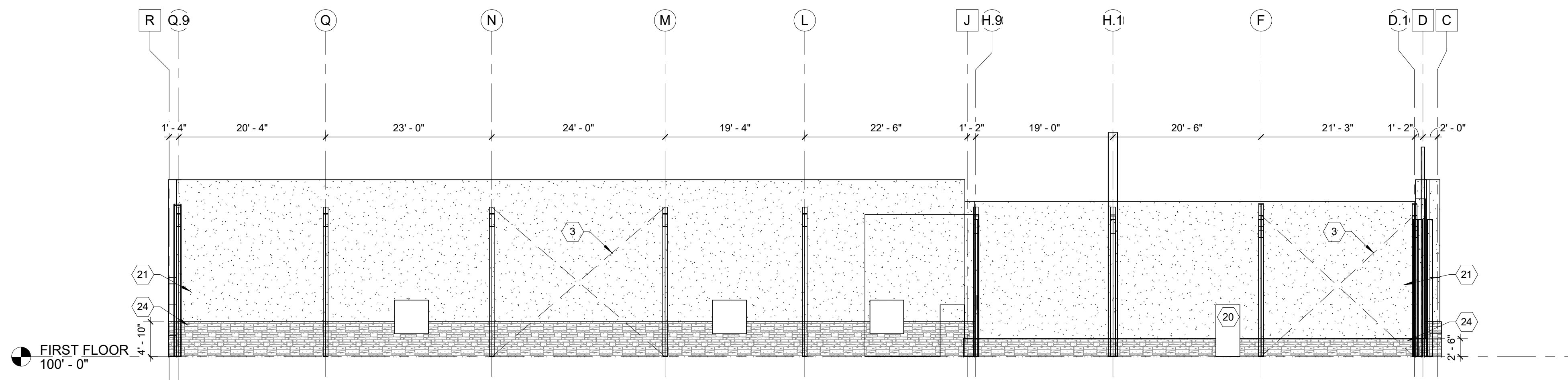
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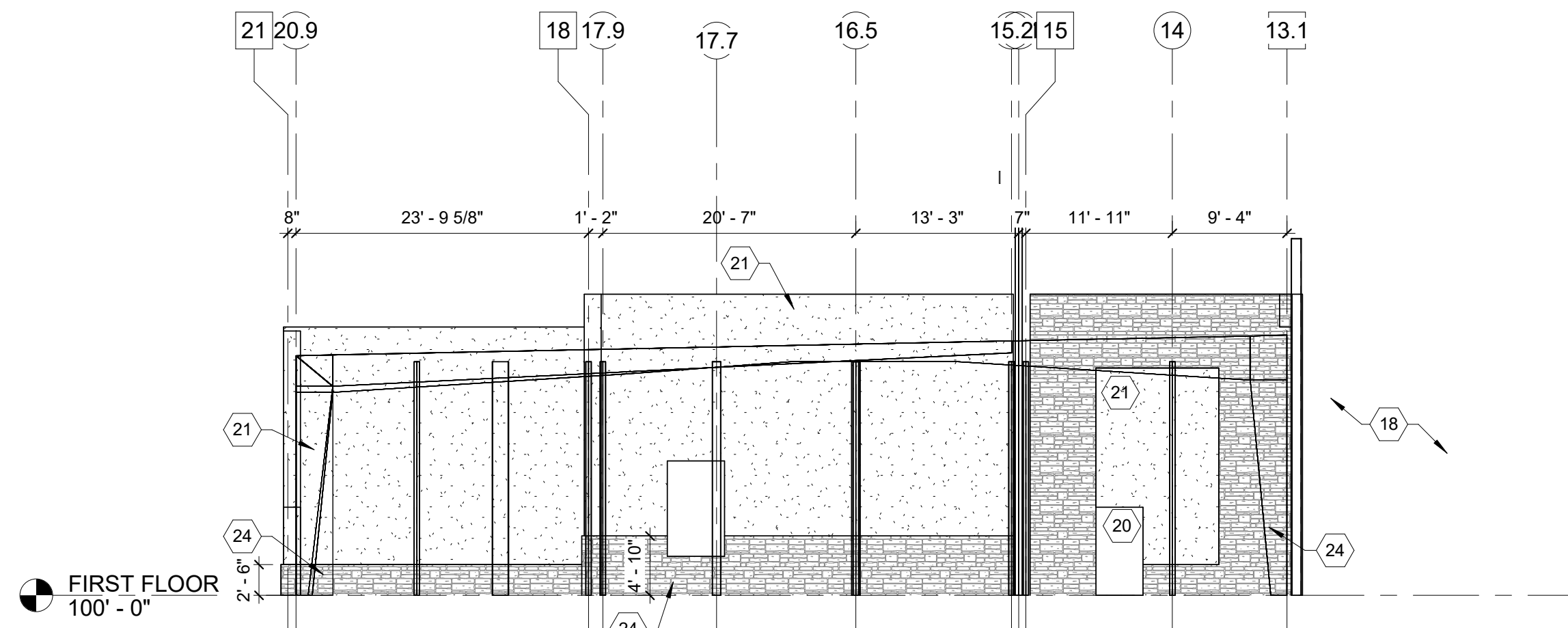
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