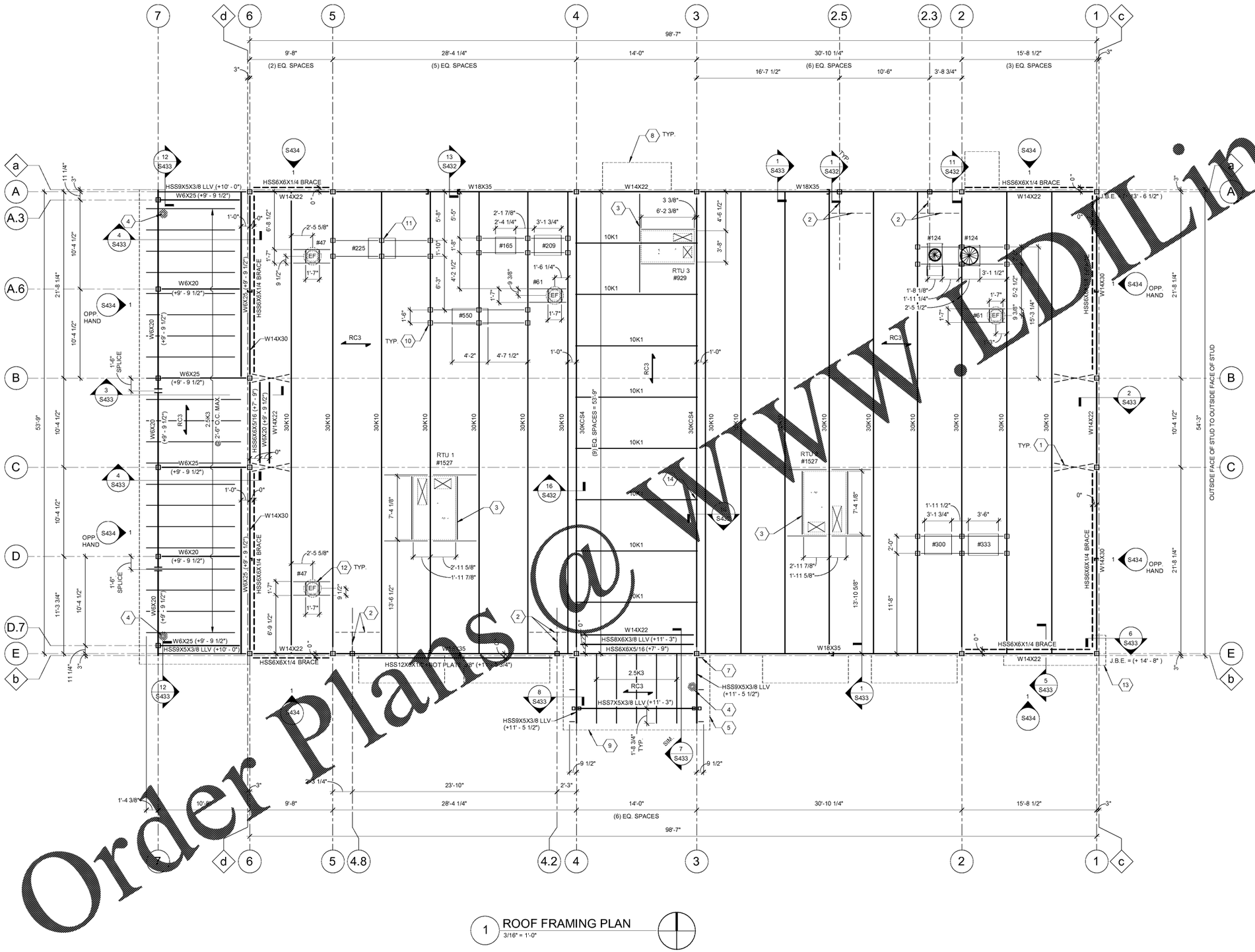

1 ROOF FRAMING PLAN
3/16" = 1'-0"

GENERAL NOTES

1. ALL JOIST SPANNING 40 FEET OR MORE MUST BE FIELD BOLTED TO BEAM AT TIME OF JOIST ERECTION.
2. PROVIDE TYPICAL JOIST AND UPLIFT BRIDGING PER STEEL JOIST INSTITUTE REQUIREMENTS (NOT SHOWN ON DRAWINGS). OFFSET BRIDGING WHERE REQUIRED AT ROOF TOP MECHANICAL UNITS. SEE SHEET S000 FOR UPLIFT LOADS. REFER TO DETAILS FOR TYPICAL JOIST BRIDGING INFORMATION.
3. PROVIDE L3X3X3/16 ROOF DECK SUPPORT ANGLE AT JOIST BEARING EDGES OF ROOF DECK PERIMETER. LOCATE JOINTS IN CONTINUOUS ANGLE AT JOIST LOCATIONS. WELD ANGLE TO EACH JOIST TOP CHORD.
4. CONCENTRATED LOADS ON BAR JOISTS SHALL BE REINFORCED BY FIELD WELDING ANGLE LOAD STRUTS AS SHOWN IN THE TYPICAL DETAILS.
5. ROOF TOP UNIT CURB SHALL ATTACH TO STEEL SUPPORT FRAMING WITH #12 TEK SCREWS AT 6" O.C. OR BY WELDING AS SHOWN IN THE TYPICAL ROOF DECK ATTACHMENT DETAIL. ANCHOR TO UNIT DIMENSIONS SHALL BE COORDINATED BY THE G.C. OF CURB MANUFACTURER IS TO PROVIDE HVAC ROOF TOP EQUIPMENT UPLIFT RESTRAINT BRACKETS PER APPLICABLE WIND SPEED.
6. ROOF DECK WELD PATTERN TO SUPPORTING MEMBERS SHALL BE A 36/4 PATTERN WITH 5/8" DIA. PUDDLE WELDS. SIDELAP FASTENERS SHALL BE (5) #10 TEK SCREWS PER SPAN. ATTACH DECK TO PERIMETER SUPPORTS WITH 5/8" DIA. PUDDLE WELDS AT 6" O.C. FASTEN DECK AT OPENINGS FRAMED WITH #12 TEK SCREWS AT 6" O.C. REFER TO TYPICAL ROOF DECK ATTACHMENT DETAIL.
7. FINISH NOTES TOP OF COLUMN ELEVATION ABOVE FINISHED FLOOR.
   [U.T. BM.] INDICATES TOP OF COLUMN IS BOTTOM OF BEAM.
   (XX'-X") INDICATES TOP OF STEEL BEAM ELEVATION ABOVE FINISHED FLOOR.
8. ALL ROOF PENETRATIONS, DIMENSIONED AND NON-DIMENSIONED, ARE SUBJECT TO CHANGE DUE TO FIELD CONDITIONS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO PENETRATING ROOF.
11. ALL JOIST TO BE DESIGNED FOR A 0.3 KIP MINIMUM UPLIFT LOAD AT ALL RTU'S AND CONDENSER RACK SUPPORT POINTS.
12. REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL BRACKETS, BRACES, SUPPORTS, ECT. NOT INDICATED ON THE STRUCTURAL DRAWINGS.

LEGEND

1. RC3 — INDICATES METAL ROOF DECK DIRECTION - SEE GENERAL NOTES FOR SIZE, TYPICAL.

SHEET KEYNOTES

1	L2x2x1/4 HORIZONTAL AND DIAGONAL BRIDGING @ COLUMNS.
2	ANGLE KICKERS AND HEADER @ COLUMN.
3	REFER TO DETAILS FOR TYP. RTU SUPPORT FRAMING.
4	ROOF DRAIN. SEE ARCHITECTURAL.
5	PERIMETER ANGLE TO BE MITERED AND FULL PEN WELD AT CORNERS, TYP.
7	HSS4X4X1/4 OUTRIGGER, TYP. 2 SIDES EQ. SPACING
8	METAL AWNING. SEE ARCHITECTURAL. SEE 11/S433 FOR BLOCKING DETAIL.
9	OUTLINE OF CANOPY. SEE ARCHITECTURAL
10	HSS EQUIPMENT STUB COLUMN
11	REFER TO DETAILS FOR TYP. CONDENSER SUPPORT FRAMING.
12	ROOF PENETRATION. COORDINATE LOCATION WITH ARCHITECTURAL AND MECHANICAL. SEE DETAILS.
13	OUTLINE OF SLAT WALL. SEE ARCHITECTURAL
14	JOIST SUPPLIER TO DESIGN KCS JOIST FOR 1700 LBS REACTION AT EACH 10K JOIST LOCATION.

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RACETRAC PROJECT NUMBER

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ROOF FRAMING PLAN

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