



**ROOF FRAMING NOTATIONS**

Mark	Description
R1	BAR JOIST SHALL BE DESIGNED FOR LOADING AS INDICATED ON STRUCTURAL NOTES (DL + LL) PLUS ADDITIONAL CONCENTRATED LOAD INDICATED DUE TO MECHANICAL UNITS. COORDINATE LOCATION AND VERIFY LOADS WITH MECHANICAL EQUIPMENT SUPPLIER.
R2	BAR JOIST MFG SHALL DESIGN BOTTOM CHORD OF JOIST FOR ADDITIONAL CONCENTRATED LOAD DUE TO KITCHEN EQUIPMENT LOAD. COORDINATE WEIGHT AND LOCATION WITH SUPPLIER.
R3	INDICATES SPAN DIRECTION OF 1 1/2" METAL DECK
R4	BAR JOIST SHALL BE DESIGNED FOR TOTAL UNIFORM (DL+LL) AS INDICATED ON STRUCTURAL NOTES PLUS ADDITIONAL LOAD 1200 PLF VERT AND 100 PLF HORZ DUE TO WIND LOAD (ASD). LOADS ARE REVERSIBLE IN TENSION AND COMPRESSION.
R5	BAR JOIST SHALL BE DESIGNED FOR TOTAL UNIFORM (DL+LL) AS INDICATED ON STRUCTURAL NOTES PLUS ADDITIONAL CONCENTRATED LOAD 3K VERT AND 3K HORZ DUE TO WIND LOAD (ASD). LOADS ARE REVERSIBLE IN TENSION AND COMPRESSION.
R6	BAR JOIST MFG SHALL DESIGN BOTTOM CHORD OF JOIST FOR ADDITIONAL LOAD OF 182 PLF DUE TO BAR SOFFIT LOAD. COORDINATE LOCATION WITH ARCHITECT.
R7	BAR JOIST MFG SHALL DESIGN BOTTOM CHORD OF JOIST FOR ADDITIONAL LOAD OF 100 PLF DUE TO TRELIS LOAD. COORDINATE LOCATION WITH ARCHITECT.

NOTE: JOIST SIZES SHOWN ON PLAN ARE FOR BIDDING PURPOSES AND DO NOT INCLUDE PROVISIONS FOR THE ABOVE LOADS.

**ROOF FRAMING GENERAL NOTES**

**SHEET KEYNOTES**

- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- FOR STRUCTURAL GENERAL NOTES, SEE SHEET 5000.
- FOR COLD-FORMED BOX BEAM HEAD INFORMATION, SEE SHEET 5024. UNLESS NOTED OTHERWISE.
- FOR NON-LOAD BEARING COLD-FORMED PARTITION WALLS, INSTALL PER MANUFACTURER'S INSTRUCTIONS AND ARCHITECTURAL DRAWINGS.
- ALL JOIST SPANNING 40 FEET OR MORE WILL BE FIELD BOLTED TO BEAM AT TIME OF JOIST ERECTION.
- PROVIDE TYPICAL JOIST AND UPLIFT BRACING PER STEEL JOIST SUBSTITUTE REQUIREMENTS (NOT SHOWN ON DRAWINGS). OFFSET BRACING WHERE REQUIRED AT ROOF TOP MECHANICAL UNITS. SEE SHEET 5001 FOR UPLIFT LOADS. REFER TO DETAILS FOR TYPICAL JOIST BRACING INFORMATION.
- PROVIDE LINKS TO ROOF DECK SUPPORT ANGLE AT JOIST BEARING EDGES OF ROOF DECK PER METER U.N.O. LOCATE JOINTS IN CONTINUOUS ANGLE AT JOIST LOCATIONS. WELD ANGLE TO EACH JOIST TOP CHORD TYP. U.N.O.
- CONCENTRATED LOADS ON BAR JOISTS SHALL BE REINFORCED BY FIELD WELDING ANGLE LOAD STRUTS AS SHOWN IN THE TYPICAL DETAILS.
- ROOF TOP UNIT CURBS 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. ALL ROOF TOP UNITS DIMENSIONS SHALL BE COORDINATED BY THE G.C. THE CURB MANUFACTURER IS TO PROVIDE HVAC AND ROOF TOP EQUIPMENT UPLIFT RESTRAINT BRACKET FOR APPLICABLE WIND SPEED.
- ROOF DECK WELD PATTERN TO SUPPORTING MEMBERS SHALL BE A 305 PATTERN OF 5/8" DIA. PUDDLE WELDS. DECK SIDE LAP FASTENERS SHALL BE (6) #10 TEK SCREWS PER SPAN. ATTACH DECK TO PERMETER SUPPORTS WITH 5/8" DIA. PUDDLE WELDS AT 6" O.C. FASTEN DECK AT OPENINGS FRAMES WITH #12 TEK SCREWS AT 6" O.C. REFER TO TYPICAL ROOF DECK ATTACHMENT DETAIL.
- SEE LOOSE LNTL SCHEDULE ON SHEET 5000 FOR LNTLS NOT SHOWN.
- 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.
- ALL JOISTS TO BE DESIGNED FOR A 1.3 KIP MINIMUM UPLIFT LOAD AT ALL RTU'S AND CONDENSER RACK SUPPORT POINTS.

- INDICATES HOOD HANGER LOCATION. TYP UNLESS NOTED OTHERWISE.
- INDICATES 1/2" DIAMETER ALL THREAD ROD AT HOOD SUPPORT LOCATIONS. TYPICAL UNLESS NOTED OTHERWISE.
- INDICATES UNIBRUT P11000 BRACING AT BAR SOFFIT HANGER LOCATION. TYPICAL UNLESS NOTED OTHERWISE.
- INDICATES BAR SOFFIT HANGER LOCATION. TYPICAL UNLESS NOTED OTHERWISE.
- INDICATES 1/2" DIAMETER ALL THREAD ROD AT BAR SOFFIT SUPPORT LOCATIONS. TYPICAL UNLESS NOTED OTHERWISE.
- 150# TYPICAL AT EACH POINT. UNLESS NOTED OTHERWISE.
- INDICATES 1/2" DIAMETER STANDARD PIPE, MANUFACTURER STAND. OR SLEEPER. TYPICAL UNLESS NOTED OTHERWISE.
- INDICATES MECHANICAL UNIT LOCATION TYPICAL UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS, SIZES, AND WEIGHTS WITH MECHANICAL AND FOOD SERVICE DRAWINGS.
- ROOF HATCH. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION.
- HOOD.
- INDICATES 8005162-54 KICKER @ 16" O.C. AND 8005162-54 BLOCKING. TYPICAL UNLESS NOTED OTHERWISE.
- 8007200-54 W/ NESTED 8005162-54 CONT.
- HANGING TRELIS BELOW. SEE ARCHITECTURAL DRAWINGS FOR EXTENTS.
- MOR#5 1 AT 4'-0" O.C. MAX. EXTEND 6" MINIMUM PAST JOIST END.
- MOR#15 1 CONTINUOUS UNDER WALL KICKERS MAX. EXTEND 6" MINIMUM PAST CHANNEL BELOW EACH END.

**2 ROOF FRAMING PLAN**  
1/4" = 1'-0"

