



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

**GENERAL NOTES**

- ALL JOIST SPANNING 40 FEET OR MORE MUST BE FIELD BOLTED TO BEAM AT TIME OF JOIST ERECTION.
- 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 S200 FOR UPLIFT LOADS. REFER TO DETAILS FOR TYPICAL JOIST BRIDGING INFORMATION.
- PROVIDE L3X3X1/16 ROOF DECK SUPPORT ANGLE AT JOIST BEARING EDGES OF ROOF DECK PERIMETER. LOCATE JOISTS IN CONTINUOUS ANGLE AT JOIST LOCATIONS. WELD ANGLE TO EACH JOIST TOP CHORD.
- CONCENTRATED LOADS ON BAR JOISTS SHALL BE REINFORCED BY FIELD WELDING ANGLE LOAD STRUTS SHOWN IN THE TYPICAL DETAILS.
- ROOF TOP UNIT CURB SHALL ATTACH TO STEEL JOIST FRAMING WITH #12 TEK SCREWS AT 6" O.C. OR E-WELDING AS SHOWN IN THE TYPICAL ROOF DECK ATTACHMENT DETAIL. ALL JOIST TOP UNIT DIMENSIONS SHALL BE COORDINATED BY THE CURB MANUFACTURER IS TO PROVIDE HVALUED ROOF TOP EQUIPMENT UPLIFT RESTRAINT BRACKETS APPLICABLE WIND SPEED.
- ROOF DECK WELD ATTACHMENT TO SUPPORTING MEMBERS SHALL BE A 3/8" PATTE. PUDDLE WELDS PER S433. ATTACH DECK TO PERIMETER SUPPORTS WITH 5/8" DIA. PUDDLE WELDS AT 6" O.C. FASTEN DECK AT PERIMETER FRAMES WITH #12 TEK SCREWS AT 6" O.C. REFER TO TYPICAL ROOF DECK ATTACHMENT DETAIL FOR FINISHES TOP OF COLUMN ELEVATION ABOVE FINISHED FLOOR.  
(U.T.B.M) INDICATES TOP OF COLUMN IS BOTTOM OF BEAM. (X.T.M) INDICATES TOP OF STEEL BEAM ELEVATION ABOVE FINISHED FLOOR.
- 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 JOIST TO BE DESIGNED FOR A 0.3 KIP MINIMUM UPLIFT LOAD AT ALL RTU'S AND CONDENSER RACK SUPPORT POINTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL BRACKETS, BRACES, SUPPORTS, ECT. NOT INDICATED ON THE STRUCTURAL DRAWINGS.

**LEGEND**

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

**SHEET KEYNOTES**

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

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**ISSUE/REVISION RECORD**

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**PROJECT NAME**  
**PEACHTREE PKWY & ENG.**

**PEACHTREE CORNERS**  
5780 PEACHTREE PKWY  
PEACHTREE CORNERS, GA  
RACETRAC STORE NUMBER  
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**PROTOTYPE SERIES 5.5K 2.0**  
**2018 RH MO**

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**PROFESSIONAL SEAL**

GEORGIA REGISTERED PROFESSIONAL ENGINEER  
No. 091910  
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**PROJECT NUMBER**  
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**SHEET TITLE**  
**ROOF FRAMING PLAN**

**SHEET NUMBER**  
**S200**

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