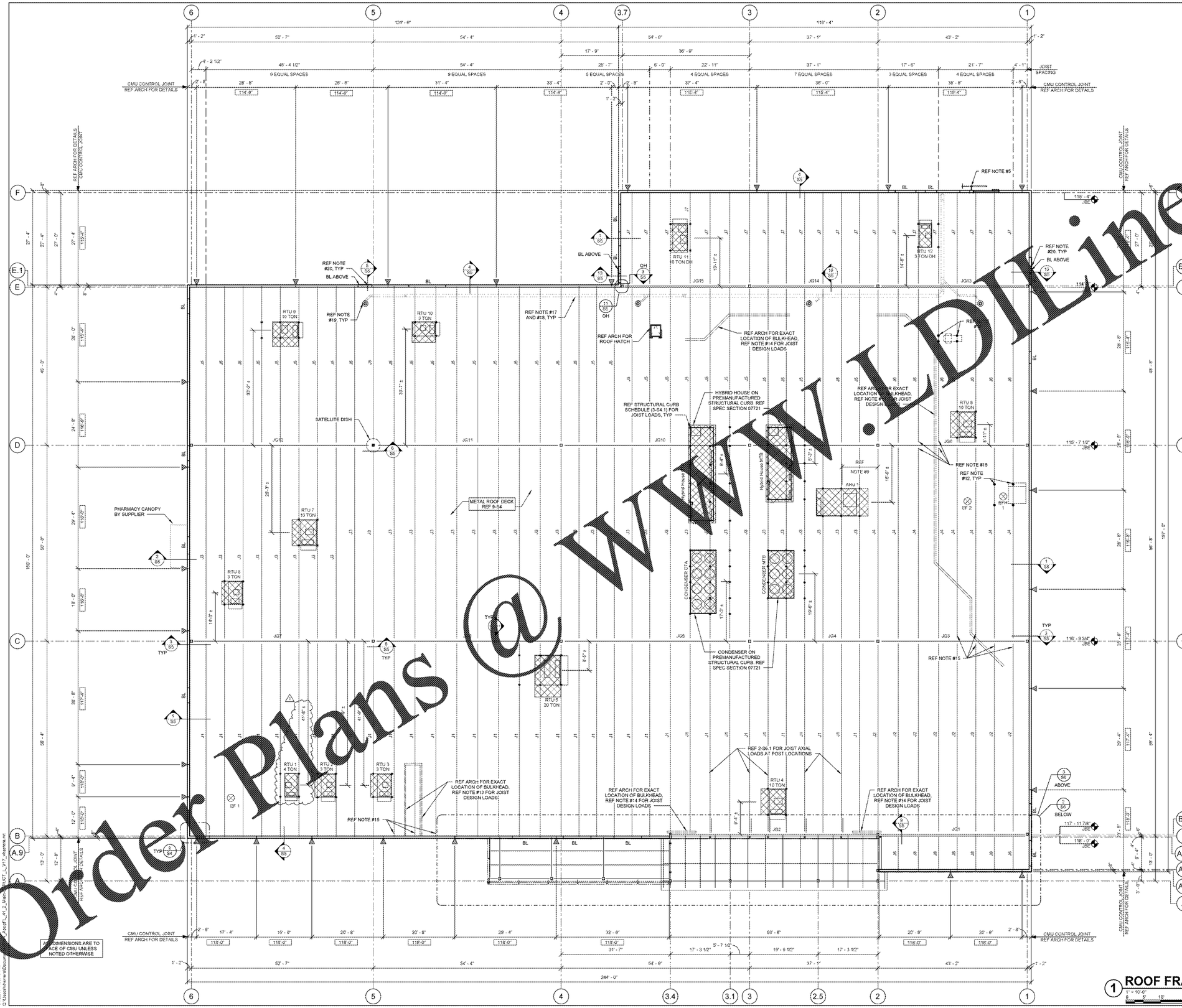

1 ROOF FRAMING PLAN
1" = 10'-0"

FRAMING PLAN SHEET NOTES

1. REFER TO SHEETS S0, S4, AND S4.1 FOR GENERAL NOTES AND DESIGN CRITERIA
2. NOTE TO GENERAL CONTRACTOR: REFER TO SECTION 05120 OF THE CONTRACT SPECIFICATIONS FOR OWNER SUPPLIED STRUCTURAL STEEL. ALL OTHER STRUCTURAL AND MISCELLANEOUS STEEL NOT PROVIDED UNDER SECTION 05120 SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AS NOTED IN SECTION 05500 OF THE SPECIFICATIONS
3. "BL" DENOTES CMU BLOCK LINTEL. REFER TO CMU LINTEL SCHEDULE (2-S4) FOR SIZE AND REINFORCEMENT
4. REF ROOF DIAPHRAGM CONNECTION DETAIL S-54 FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER PATTERN AND SPACING
5. JIB CRANE ASSEMBLY FURNISHED BY OWNER. REF ARCH FOR LOCATION. REF SECTIONS 3-S4.3 & 4-S4.3 FOR REQUIRED ADDITIONAL REINFORCEMENT
6. NOTE TO JOIST MANUFACTURER: PROVIDE STANDARD BRIDGING COMPLYING WITH SJI APPLICABLE STEEL JOIST INSTITUTE SPECIFICATIONS TYPICAL FOR GRAVITY AND UPLIFT LOADS SUPERIMPOSED ON ALL JOISTS. DIAGONAL BRIDGING SHALL BE PROVIDED BETWEEN ALL JOISTS WHENEVER BOTTOM CHORD HORIZONTAL BRACING IS DISCONTINUOUS. DO NOT LOCATE BRIDGING BELOW SKYLIGHTS WHERE POSSIBLE.
7. REF JOIST SCHEDULE NOTES AND RTU FRAMING PLAN FOR RTU AND AHJ JOIST LOADS AND DIMENSIONS
8. DIMENSIONS LOCATING THE RTUS, AHUS, CONDENSERS AND HYBRID HOUSES WITH A (+/-) ARE APPROXIMATE AND CONTRACTOR MAY ADJUST LOCATION OF CURBS TO THE NEAREST JOIST PANEL POINTS (MAXIMUM ALLOWED MOVEMENT IS 9"). CURB SHALL NOT BE SHIFTED IF IT CAUSES A CONFLICT WITH PENETRATIONS. IF CURB EDGES ARE NOT WITHIN 3" OF A JOIST PANEL POINT, REINFORCE JOIST PER DETAIL S-54.1
9. LOCATE AHU CURB TO ENSURE PROPER ALIGNMENT OF DUCT LOCATIONS WITHIN JOIST SPACE. REF 3-54.1 FOR HEADER REQUIREMENTS WHERE CURB DOES NOT SPAN BETWEEN TWO JOISTS.
10. DESIGN JOIST FOR AN ADDITIONAL CONCENTRATED LOAD APPLIED TO THE TOP CHORD WHERE SHOWN BY THE * ON ROOF FRAMING PLAN. REF JOIST SCHEDULE NOTES AND RTU SUPPORT FRAMING PLAN FOR ROOF LOADS AND DIMENSIONS. JOIST REINFORCEMENT PER S-54.1 APPLIES.
11. NOT USED
12. DESIGN JOIST FOR ADDITIONAL 150 LB CONCENTRATED LOAD FOR EXHAUST HOOD. THE JOIST CHORD SHALL BE DESIGNED FOR BENDING BETWEEN PANEL POINTS DUE TO THE CONCENTRATED LOAD. JOIST REINFORCEMENT PER S-54.1 DOES NOT APPLY.
13. DESIGN JOISTS FOR WEIGHT OF CUSTOMER SERVICE BULKHEAD AT 95 PLF. WHERE BULKHEAD IS PERPENDICULAR TO JOISTS, DESIGN TOP CHORD FOR BENDING BETWEEN PANEL POINTS FOR THE CONCENTRATED LOAD. JOIST REINFORCEMENT PER S-54.1 DOES NOT APPLY.
14. DESIGN JOISTS FOR WEIGHT OF BULKHEAD AT 65 PLF. WHERE BULKHEAD IS DIAGONAL OR PERPENDICULAR TO JOISTS, DESIGN BOTTOM CHORD FOR BENDING BETWEEN PANEL POINTS FOR THE CONCENTRATED LOAD. JOIST REINFORCEMENT PER S-54.1 DOES NOT APPLY.
15. PROVIDE BOTTOM CHORD EXTENSION AND WEB AS REQUIRED FOR SUPPORT OF BULK HEAD FRAMING.
16. DESIGN JOISTS FOR 2 CONCENTRATED LOADS OF 150 LBS EACH AT ANY LOCATION ALONG THE JOIST FOR THE SUSPENDED TRANSFORMER. THE JOIST TOP CHORD SHALL BE DESIGNED FOR BENDING BETWEEN PANEL POINTS FROM THESE CONCENTRATED LOADS. FIELD REINFORCEMENT PER DETAIL S-54.1 DOES NOT APPLY.
17. JOISTS PERPENDICULAR TO ROOF LATERAL DRAIN LINES SHALL BE DESIGNED TO SUPPORT AN ADDITIONAL CONCENTRATED LOAD OF 550 LBS AT EACH LOCATION THE DRAIN LINE INTERSECTS THE JOIST. THE JOIST TOP CHORD SHALL BE DESIGNED FOR BENDING BETWEEN PANEL POINTS FROM THIS CONCENTRATED LOAD. THE JOIST PROFILE SHALL BE UNOBSTRUCTED AT DRAIN SUPPORT LOCATION TO ALLOW FOR INSTALLATION OF PLUMBING SUPPORT FRAMING. JOIST SUPPLIER SHALL NOT LOCATE ADDITIONAL WEBS AT DRAIN SUPPORT LOCATIONS. FIELD REINFORCEMENT PER DETAIL S-54.1 DOES NOT APPLY. JOISTS PARALLEL TO ROOF LATERAL DRAIN LINES SHALL BE DESIGNED TO SUPPORT AN ADDITIONAL LOAD OF 70 PLF APPLIED TO THE TOP CHORD. CONTRACTOR SHALL INSTALL FIELD REINFORCEMENT PER DETAIL S-54.1, AS REQUIRED. DRAIN AND DOWNSPOUT SIZES AND LOCATIONS PER DRAWINGS SP1, A4 AND P1.
18. DRAINLINE SHALL BE SUPPORTED FROM THE TOP CHORD OF THE JOISTS THAT HAVE BEEN DESIGNED FOR THE ADDITIONAL LOAD, TYP.
19. PROVIDE FIELD FABRICATED FRAMES PER GENERAL NOTE 4.7 AT ALL ROOF DRAIN OPENINGS, TYP.
20. REF ARCH FOR SCUPPER OPENING LOCATIONS. PROVIDE WALL REINFORCEMENT PER DETAIL 2-S4 AT OPENINGS, TYP.

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1/31/2017

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1	04/07/17	REV #5

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ROOF FRAMING PLAN

SHEET:
S3

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