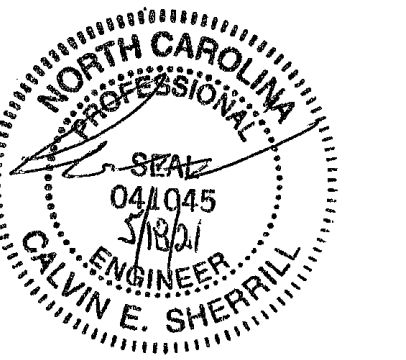


SCALE:



BONDURANT ASSOCIATES
CORPORATE ENGINEERING
LICENSE #C0880

Harris Teeter
Neighborhood Food & Pharmacy

HARRIS TEETER INC.
251 GERRARD RD.
MATTHEWS, NC 28105
PH: 704-544-9904

HARRIS TEETER #297

CARRMILL MALL
CARRBORO, NC

PROJECT MANAGER: CALVIN SHERRILL
JOB NO.: 2024
DR. BY: EP
REVISIONS:

No.	Date

SHEET NAME:

EXISTING AND NEW WORK
ROOF FRAMING
AND EQUIPMENTS
PLANS

SHEET NO. 1 OF 2

DATE: 5/20/24

GENERAL WORK NOTES:

- ALL EXISTING EXPOSED STEEL SHALL BE PROTECTED (PAINTED, AS REQUIRED) AND COATED W/ 2 - COATS EXTERIOR ALUMINUM ENAMEL, SEE ARCH. DINGS.
- IF NEW ROOF PENETRATIONS ARE REQUIRED, PROVIDE FLASHING AND ROOF REPAIRS TO MAKE WATER-TIGHT. THEY SHALL BE IN ACCORDANCE WITH THE ROOF MANUFACTURER'S REQUIREMENTS. PROVIDE PRE AND POST WORK INSPECTIONS BY ROOFING MANUFACTURER TO INSURE THAT WARRANTIES ARE MAINTAINED.
- COORDINATE REMOVAL AND REPLACEMENT OF EQUIPMENT AND SUPPORT STEEL BY STORE MANAGER TO MINIMIZE DISRUPTION TO STORE OPERATION.
- ALL NEW STEEL PLACEMENT AND WELDING SHALL BE EXAMINED AND CERTIFIED BY AN INDEPENDENT TESTING LAB. COPIES OF THESE REPORTS SHALL BE SUBMITTED TO HARRIS TEETER AND BONDURANT ASSOCIATES FOR REVIEW.

PLAN NOTES:

- FIELD VERIFY NEW AND REPLACEMENT ROOF DECK (FIELD VERIFY, PROFILE MATCHES EXISTING SHALL BE 1/2" @ 18 GAUGE WIDE RIB, PAINTED STEEL IN ACCORDANCE WITH THE S.D.I. AND THESE DRAWINGS & SPECIFICATIONS, AND SHALL BE MECHANICALLY FASTENED W/ #12 TIE SCREWS, AS FOLLOWS:
 - EACH RIB @ 6" @ 2" AT EACH SUPPORT W/ 3 - #12 SIDE LAP STITCH SCREWS EQUALLY SPACED WITHIN THE HATCHED AREAS.
- PROVIDE 4 3" x 3" x 1/4" (MIN. UNLESS OTHERWISE NOTED) FRAME AROUND ALL ROOF OPENINGS LARGER THAN 8" SQUARE (ALL OPENINGS NOT SHOWN). COORDINATE SIZE, LOCATION AND NUMBER OF OPENINGS WITH ARCH, MECH, ELEC, ETC. DRAWINGS AND VERIFY WITH OWNER. WHERE DUCTWORK, FIXTURES AND/OR EQUIPMENT BELOW ROOF DECK CONFLICT WITH LATERAL BRIDGING, DISCONTINUE AND PROVIDE "X" BRIDGING BETWEEN JOISTS ON EACH SIDE OF BRIDGING INTERSECTION. SEE TYPICAL ROOF OPENING DETAIL ON SHEET S1.2.
- WHERE EQUIPMENT OR ITS SUPPORTING MEMBERS BEAR ON OR ARE HANG (PROVIDE 4 3" x 3" x 1/4" MIN (U.O.N.) SPANNING BETWEEN JOISTS FROM JOISTS AT A LOCATION OTHER THAN A TOP OR BOTTOM CHORD PANEL POINT, PROVIDE ANGLE STRUTS PER TYP. REINF. JOIST DETAIL ON SHEET S1.2. BEAM CLAMPS MAY NOT BE USED FOR LOADS THAT EXCEED 200LBS.
- SEE TYPICAL JOIST HANGING DETAILS ON SHEET S1.2 FOR EQUIPMENT AND MEMBERS HANG / SUPPORTED FROM JOISTS.
- STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53 TYPE "E" OR "S", GRADE B AND STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A325, GRADE 50. ALL OTHER SHAPES A36 - STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION" (LATEST EDITION).
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE" D11 (LATEST EDITION), USING E70XX ELECTRODES, U.O.N.
- NO PIPE, CONDUIT, OR EQUIPMENT SHALL BE SUPPORTED FROM JOIST BRIDGING OR METAL DECK, PROVIDE INDEPENDENT SUPPORT MEMBER (SIZED BY CONTRACTOR) ATTACHED AT JOIST PANEL POINT.
- THE EXISTING ROOF STRUCTURE AS SHOWN AND / OR MODIFIED, IS ADEQUATE TO SUPPORT THE NEW EQUIPMENT SHOWN BASED ON THE HEIGHTS NOTED. IF THE PROPOSED UNIT HEIGHTS EXCEED THESE AMOUNTS OR ARE RELOCATED, NOTIFY THE STRUCTURAL ENGINEER TO EVALUATE THE ADEQUACY OF THE EXISTING STRUCTURE PRIOR TO ORDERING THE UNITS.

PRIOR TO THE START OF ANY WORK OR FABRICATION OF MATERIALS, FIELD VERIFY ALL EXISTING CONDITIONS, INCLUDING DIMENSIONS AND ELEVATIONS, WHETHER EXPOSED TO VIEW OR NOT. IF DISCREPANCIES ARE FOUND, CONTACT THE ARCHITECT ENGINEER FOR ADDITIONAL INSTRUCTION.

ALL INFORMATION REGARDING THE EXISTING STRUCTURE WAS OBTAINED FROM THE FOLLOWING RESOURCES:

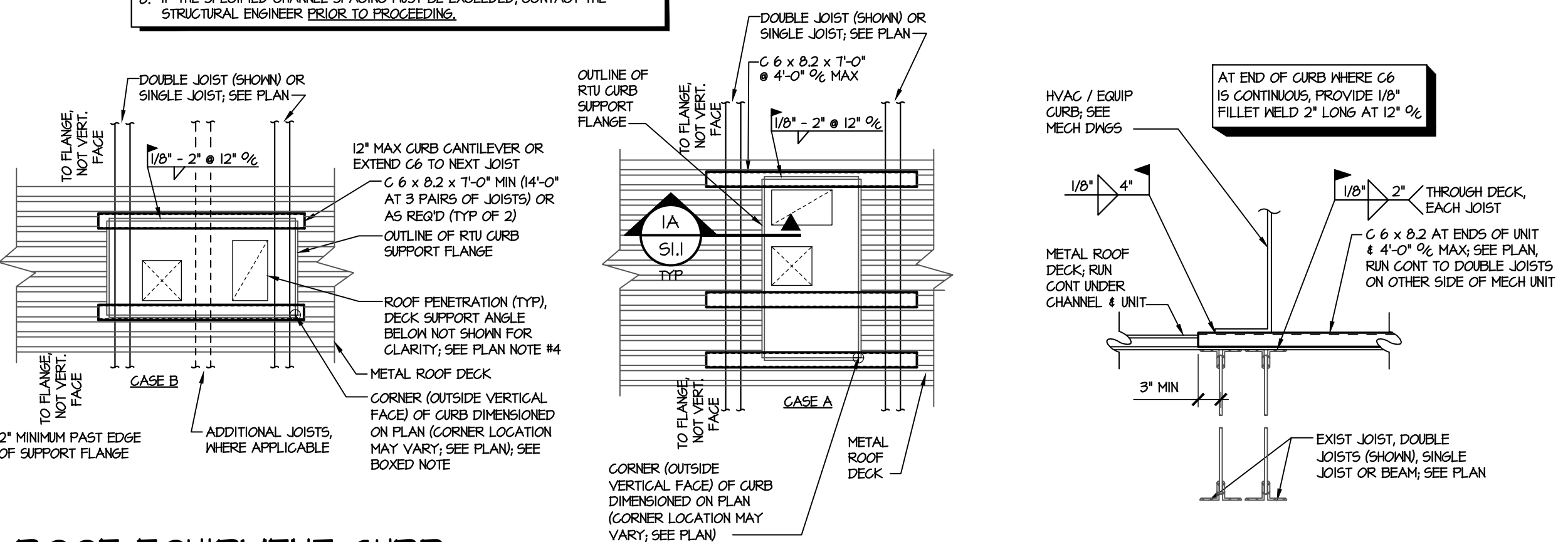
- HARRIS TEETER STORE #297, CARRMILL MALL, CARRBORO, NC, DATED 02/20/20
- HARRIS TEETER STORE #297, CARRMILL MALL, CARRBORO, NC, PREPARED BY BONDURANT ASSOCIATES AND ARCONS DESIGN STUDIO, DATED 04/10/24.

EXISTING PLAN NOTES:

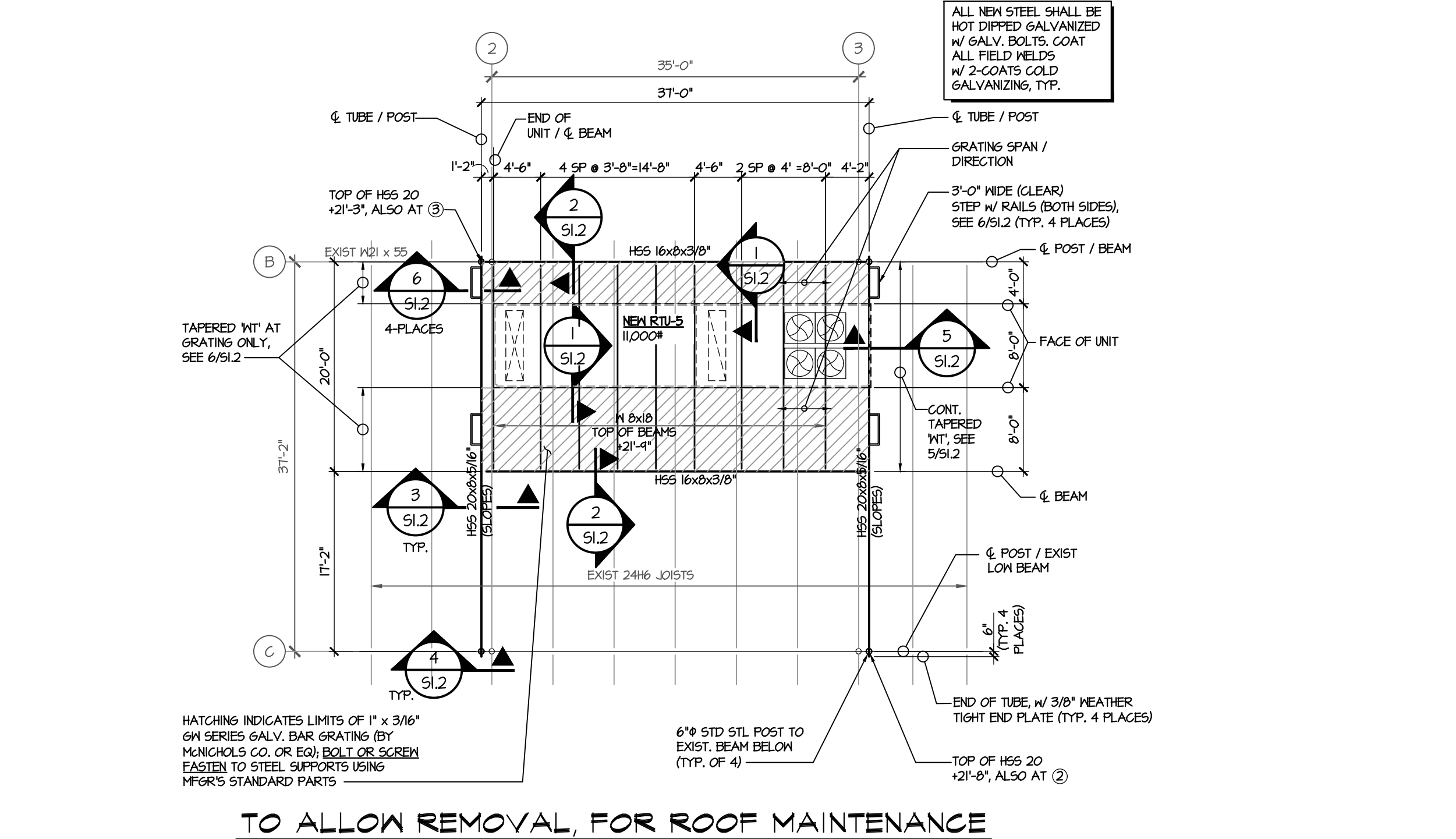
- FIELD VERIFY PROFILE MATCHES EXISTING SHALL BE 1/2" @ 18 GAUGE WIDE RIB, PAINTED STEEL IN ACCORDANCE WITH THE S.D.I. AND THESE DRAWINGS & SPECIFICATIONS, AND SHALL BE MECHANICALLY FASTENED W/ #12 TIE SCREWS, AS FOLLOWS:
 - EACH RIB @ 6" @ 2" AT EACH SUPPORT W/ 3 - #12 SIDE LAP STITCH SCREWS EQUALLY SPACED WITHIN THE HATCHED AREAS.
- PROVIDE 4 3" x 3" x 1/4" (MIN. UNLESS OTHERWISE NOTED) FRAME AROUND ALL ROOF OPENINGS LARGER THAN 8" SQUARE (ALL OPENINGS NOT SHOWN). COORDINATE SIZE, LOCATION AND NUMBER OF OPENINGS WITH ARCH, MECH, ELEC, ETC. DRAWINGS AND VERIFY WITH OWNER. WHERE DUCTWORK, FIXTURES AND/OR EQUIPMENT BELOW ROOF DECK CONFLICT WITH LATERAL BRIDGING, DISCONTINUE AND PROVIDE "X" BRIDGING BETWEEN JOISTS ON EACH SIDE OF BRIDGING INTERSECTION. SEE TYPICAL ROOF OPENING DETAIL, SEE SHEET S3.1.
- WHERE EQUIPMENT OR ITS SUPPORTING MEMBERS BEAR ON OR ARE HANG (PROVIDE 4 3" x 3" x 1/4" MIN (U.O.N.) SPANNING BETWEEN JOISTS) FROM JOISTS AT A LOCATION OTHER THAN A TOP OR BOTTOM CHORD PANEL POINT, REINFORCE JOIST PER TYP. REINF. JOIST DETAIL, SEE SHEET S3.1.
- STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53 TYPE "E" OR "S", GRADE B AND STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A325, GRADE 50. ALL OTHER SHAPES A36 - STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION" (LATEST EDITION).
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE" D11 (LATEST EDITION), USING E70XX ELECTRODES, U.O.N.
- NO PIPE, CONDUIT, OR EQUIPMENT SHALL BE SUPPORTED FROM JOIST BRIDGING OR METAL DECK, PROVIDE INDEPENDENT SUPPORT MEMBER (SIZED BY CONTRACTOR) ATTACHED AT JOIST PANEL POINT.
- THE EXISTING ROOF STRUCTURE AS SHOWN AND / OR MODIFIED, IS ADEQUATE TO SUPPORT THE NEW EQUIPMENT SHOWN BASED ON THE HEIGHTS NOTED. IF THE PROPOSED UNIT HEIGHTS EXCEED THESE AMOUNTS OR ARE RELOCATED, NOTIFY THE STRUCTURAL ENGINEER TO EVALUATE THE ADEQUACY OF THE EXISTING STRUCTURE PRIOR TO ORDERING THE UNITS.

ROOF EQUIPMENT ANCHORAGE / LOCATION CRITERIA

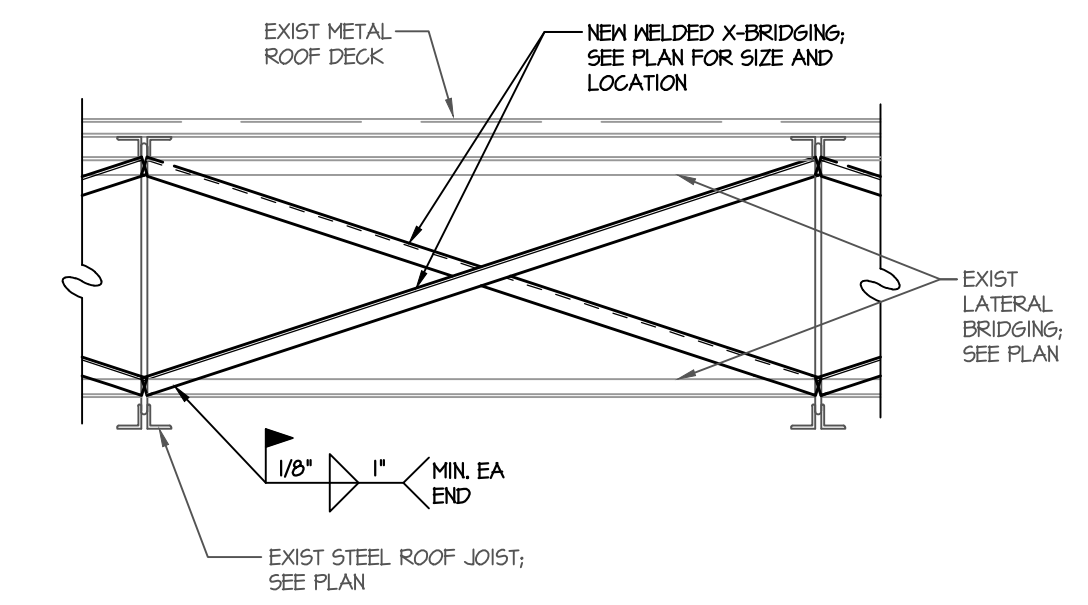
- ANCHOR ALL CURB ROOF EQUIPMENT (RTU'S, FANS, ETC.) TO THE SUPPORT CHANNELS SHOWN.
- SUPPORT CHANNELS "NEST" OVER ROOF DECK FOR WELDING TO SUPPORTS BELOW THE 6" @ 6" DECK RIB PROFILE. THE DISTANCE BETWEEN CHANNELS TO VARY IN THE SAME # OF INCREMENTS.
- CURBS SHALL BE ORIENTED AS SHOWN (PARALLEL AND PERPENDICULAR TO SUPPORTS, U.O.N.). USE DIMENSIONED LOCATIONS AS STARTING POINTS AND ADJUST AS REQUIRED.
- CURB SIZES WILL VARY, BUT THEIR SUPPORT FLANGES SHALL NOT OVERHANG CHANNELS AND CHANNELS CANNOT FOLLOW WITH ROOF PENETRATIONS, SO THE CURB FLANGE / CHANNEL RELATIONSHIP WILL VARY (SEE 205J).
- CURB LOCATIONS MAY SHIFT UP TO 8" IN EITHER OR BOTH DIRECTIONS, U.O.N. DO NOT MODIFY CHANNELS OR CUT ROOF DECK TO AVOID CONFLICTS.
- DO NOT WELD CHANNELS UNTIL CURBS ARE ON SITE AND LOCATIONS FINALIZED WITH THE CURB INSTALLER.
- THE CURB INSTALLER AND / OR G.C. SHALL CONFIRM THAT THE LOCATIONS SHOWN MEET THE CRITERIA NOTED AND DO NOT CONFLICT WITH THE STRUCTURE BELOW (INCLUDING JOIST BRIDGING) OR THE PERKS OF OTHER TRADES AND ALLOW PROPER EQUIPMENT COMPONENT INSTALLATION. IF CONFLICTS OCCUR, CONTACT THE STRUCTURAL ENGINEER PRIOR TO PROCEEDINGS.
- IF THE SPECIFIED CHANNEL SPACING MUST BE EXCEEDED, CONTACT THE STRUCTURAL ENGINEER PRIOR TO PROCEEDINGS.



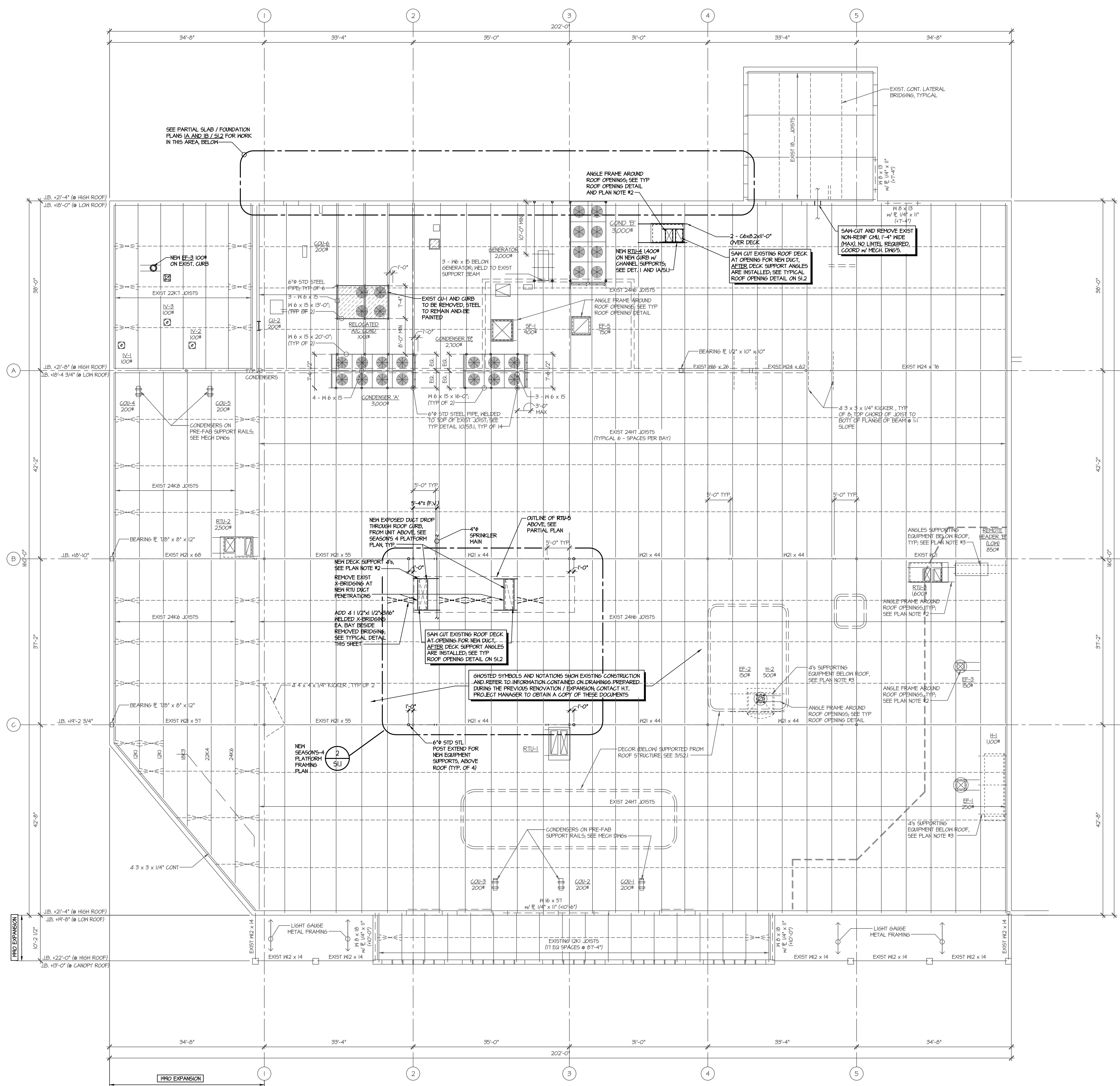
ROOF EQUIPMENT CURB ANCHORAGE DETAILS
SCALE: NOT TO SCALE



SECTION IA
SCALE: NOT TO SCALE



TYPICAL X-BRIDGING DETAIL
SCALE: 3/4" = 1'-0"



EXISTING AND NEW WORK
ROOF FRAMING PLAN
SCALE: 3/32" = 1'-0"

NEW SEASONS 4 PLATFORM FRAMING PLAN
SCALE: 3/32" = 1'-0"

2
S1 S1