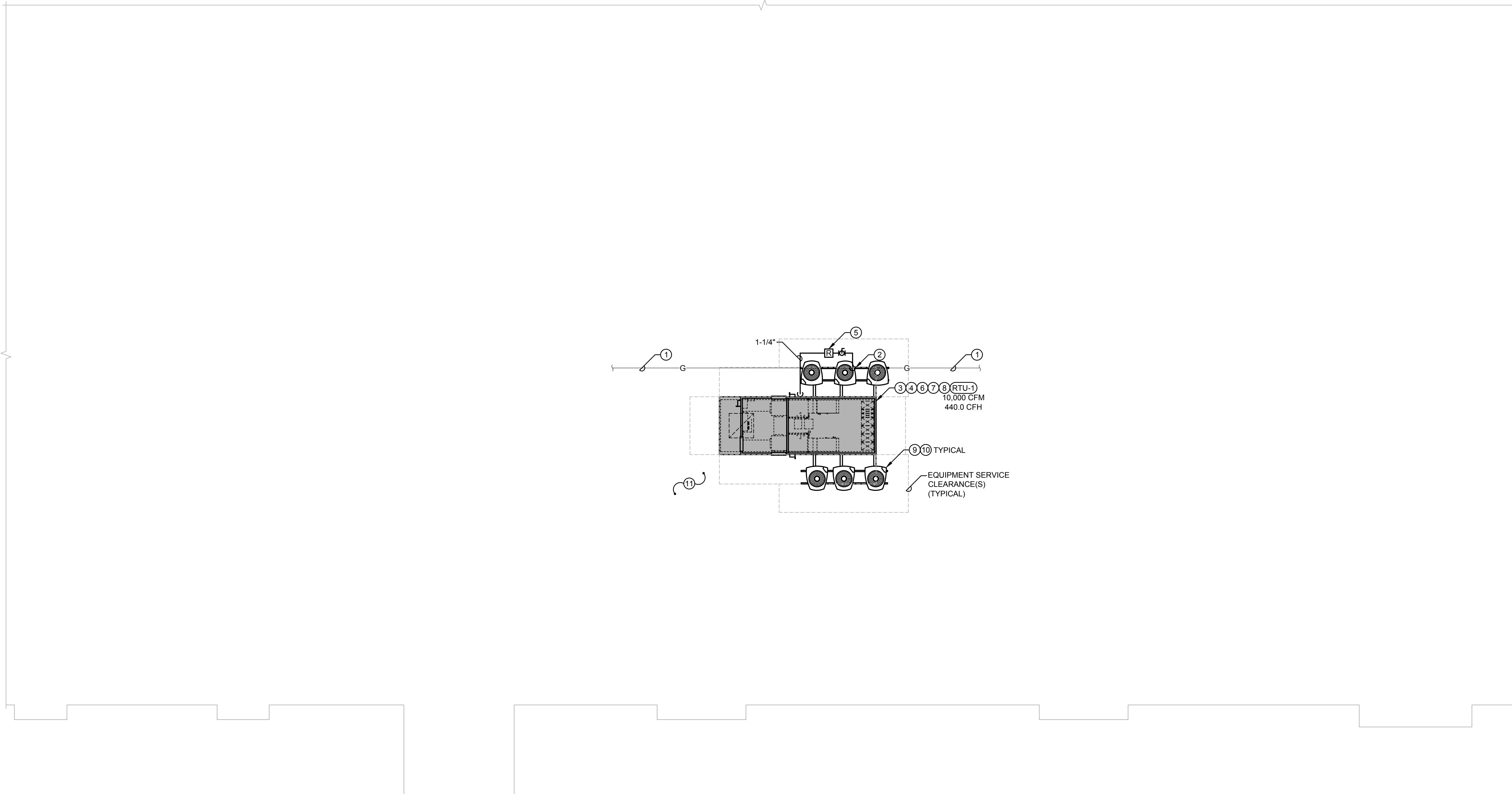
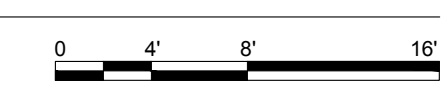


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1 ROOF PLAN - HVAC
SCALE 1/8" = 1'-0"

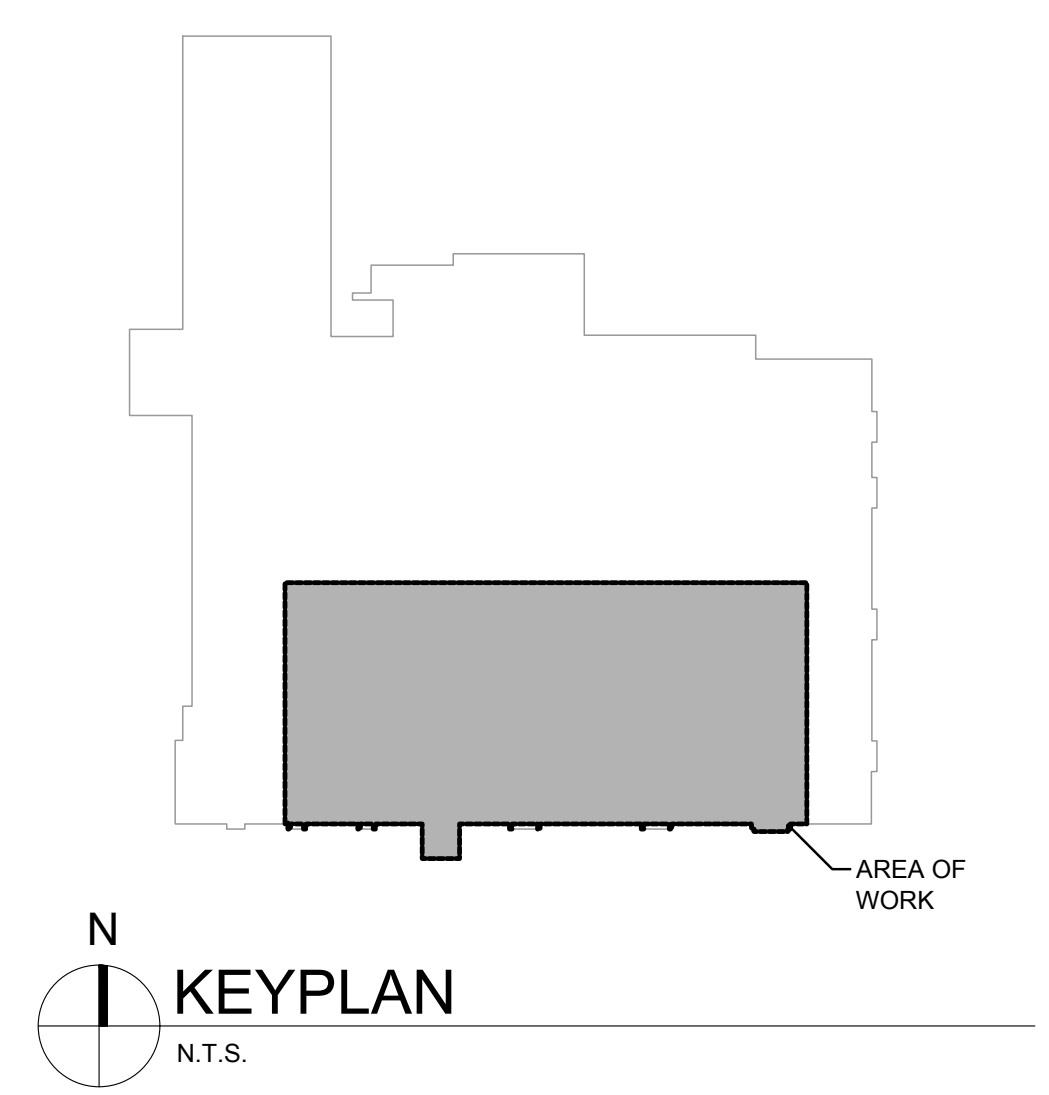


- DRAWING NOTES:**
- EXISTING PIPING AND VALVING TO REMAIN.
 - MAKE NEW CONNECTION TO EXISTING PIPING AT THIS LOCATION.
 - BASE BID:** PROVIDE RTU MANUFACTURERS INSULATED CURB EXTENSION TO PLACE THE BOTTOM OF THE NEW RTU 24" ABOVE THE ROOF LINE. FOOTPRINT OF CURB TO MATCH ORIGINAL 1972 CURB REMOVING REQUIREMENT FOR STRUCTURAL MODIFICATIONS.
ALTERNATE: PROVIDE NEW MANUFACTURERS INSULATED CURB TO PLACE THE BOTTOM OF THE NEW RTU 24" ABOVE THE ROOF LINE. FOOTPRINT OF CURB TO MATCH ORIGINAL 1972 CURB REMOVING REQUIREMENT FOR STRUCTURAL MODIFICATIONS
REFER TO DETAIL TO FILL VOID BETWEEN BOTTOM OF UNIT AND ROOF DECK WITH LAYERS OF INSULATION. UNIT MANUFACTURE TO FIELD VERIFY EXACT DIMENSIONS PRIOR TO CONSTRUCTION.
 - PROVIDE NEW CME GAS FIRED MULTI-ZONE ROOFTOP UNIT. UNIT MANUFACTURER TO FIELD VERIFY EXISTING ZONE HEADS PRIOR TO CONSTRUCTION AND MATCH (TYPICAL 7).
 - PROVIDE ISOLATION VALVE, GAS REGULATOR TO REDUCE 440 CFH FROM SYSTEM PRESSURE TO UNIT OPERATING REQUIREMENTS. PROVIDE 6" DIRT LEG AT UNIT CONNECTION.
 - PROVIDE FLEXIBLE DUCT CONNECTIONS AND SHEET METAL ZONE DUCT RISER EXTENSION TO ACCOMMODATE TALLER CURB.
 - ROOFTOP UNIT SHALL BE STARTED AT A LOW SPEED AND GRADUALLY RAMPED UP TO THE REQUIRED CFM TO AVOID DAMAGE TO THE EXISTING FIBERGLASS DUCTWORK. THE TEST AND BALANCE CONTRACTOR SHALL ASSIST THE MANUFACTURER'S START-UP TECHNICIAN.
 - PROVIDE FOR THE ROOFTOP UNIT MANUFACTURER'S SERVICE AND MAINTENANCE CLEARANCES. NOTIFY ENGINEER IF THE OUTSIDE AIR INTAKE IS NOT A MINIMUM OF 10'-0" AWAY FROM ANY EXHAUST OR PLUMBING VENT PRIOR TO INSTALLING ROOFTOP UNIT.
 - CONTRACTOR TO SET MANUFACTURER PROVIDED AIR COOLED CONDENSING UNITS ON WAFFLE PADS ON MANUFACTURER PROVIDED WIDE FLANGE BEAM EXTENSIONS.
 - CONTRACTOR TO INSTALL MANUFACTURE PROVIDE INSULATED, PRE-CHARGED, REFRIGERANT PIPING BETWEEN CONDENSING UNITS AND CONNECTION AT EXTERIOR WALL OF RTU.
 - PATCH EXISTING ROOF AS REQUIRED.

ROOFING NOTE:
NEW ROOFTOP EQUIPMENT/CURB(S), EXISTING LOCATION: PROVIDE NEW OPENING IN THE EXISTING ROOF SYSTEM AND STRUCTURAL DECK, IF NECESSARY, TO FACILITATE INSTALLATION OF THE NEW ROOFTOP EQUIPMENT/CURB(S). ROOF FLASHING HEIGHTS OF ALL NEW EQUIPMENT/CURB(S) SHOULD BE A MINIMUM OF 18" ABOVE THE EXISTING ROOF MEMBRANE. NOT THE STRUCTURAL ROOF DECK. AFTER INSTALLATION OF NEW ROOFTOP EQUIPMENT/CURB(S), PROVIDE NEW INFILL ROOF INSULATION (IF REQUIRED) TO MATCH THE TYPE AND THICKNESS OF THE EXISTING ROOF INSULATION AND PROVIDE NEW 80 MIL EPDM ROOF FLASHING AND 60 MIL EPDM ROOF MEMBRANE TO MATCH THE EXISTING ROOF MEMBRANE. INSTALLATION OF THE ROOF INSULATION, ROOF MEMBRANE AND ROOF FLASHING, SHOULD BE PER THE EXISTING ROOF MANUFACTURERS PUBLISHED INSTRUCTIONS FOR THE TYPE(S) OF INSULATION AND ROOF MEMBRANE CURRENTLY IN PLACE.

CEILING WORK NOTE:
REFER TO ARCHITECTURAL PLANS FOR CEILING WORK IN CONTRACT TO BE PERFORMED BY OTHER TRADES. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY CEILING WORK NOT SHOWN ON ARCHITECTURAL PLANS AS REQUIRED TO PERFORM THIS CONTRACTORS WORK. THIS INCLUDES REMOVAL AND REPLACEMENT OF LIGHTS, SPEAKERS, SMOKE DETECTORS, ETC., AS WELL AS REPLACEMENT OF ANY CEILING TRACK & TILES DAMAGED DURING CONSTRUCTION/ DEMOLITION. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO DOCUMENT ANY DAMAGED CEILING TILES OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION. THIS CONTRACTOR RESPONSIBLE FOR ALL ASSOCIATED COSTS. CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED.

BUILDING AUTOMATION SYSTEM NOTES:
ALL CONTROL WORK SHALL BE AN EXTENSION OF THE EXISTING INTELLI-BUILDING, BUILDING AUTOMATION SYSTEM (BAS) CURRENTLY INSTALLED IN THE BUILDING. CONTACT RICK FREUND 312.735.6546 OR RICK@INTELLI-BUILDING.COM
TEMPERATURE CONTROLS CONTRACTOR SHALL RE-PROGRAM EXISTING BUILDING AUTOMATION SYSTEM AS REQUIRED, AND/OR PROVIDE NEW CONTROLS. UPDATE ALL EXISTING/NEW IDENTIFICATION TAGS AS REQUIRED.
PRIOR TO DEMOLITION, THE HVAC CONTRACTOR SHALL COORDINATE, WITH THE CONTROLS CONTRACTOR, THE REMOVAL OF ALL EQUIPMENT SO THE EQUIPMENT CAN BE TAKEN OFF-LINE AND CONTROL WIRING REMOVED FROM DEVICE.



KEYPLAN
N.T.S.

Revisions:
ISSUED FOR BID 10/14/2024

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ROOF PLAN - HVAC

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Issue Date: 24 JUNE 2024
Drawn By: CS2
Job Number: 886-F-1
HV1.2
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