



NOTES

- NOTES FOR THIS DRAWING
- DUCTWORK SHALL BE INSTALLED SUCH THAT BOTTOM OF THE DUCT WILL REMAIN AT A CONSTANT ELEVATION. ALL TRANSITIONS WILL OCCUR AT THE TOP OF THE DUCT.
 - BBB HAS ENTERED INTO A NATIONAL ACCOUNT WITH LENNOX. ROOF TOP UNITS SHALL BE AS MANUFACTURED BY LENNOX, NO OTHERS WILL BE ACCEPTED.
 - ALL SUPPLY AND RETURN AIR DUCTWORK SHALL BE INSULATED ABOVE OFFICE AREA CEILING AND IN ALL VERTICAL CHASES.
 - PROVIDE VOLUME DAMPERS AT ALL BRANCH TAKE-OFFS.
 - CUT ROOF SYSTEM THE SIZE OF THE SUPPLY AND RETURN DUCT OPENINGS ONLY. THE ROOF DECK AND INSULATION SHALL REMAIN BENEATH THE RTU, WITHIN THE CONFINES OF THE RTU CURB.
 - RECTANGULAR DUCTWORK FROM ROOFTOP UNITS SHALL BE LINED FOR MINIMUM OF 10'-0" FROM RTU WITH 1" INTERNAL DUCT LINER.
 - DUCT SIZES SHOWN ON DRAWING ARE CLEAR INTERNAL SIZES. ALLOW AN ADDITIONAL 2" FOR INTERNAL DUCT LINER. REFER TO PROJECT MANUAL FOR INSULATION MANUFACTURER.
 - REFER TO DRAWING M.3.1 FOR DUCT BRANCH TAKE-OFF DETAILS.
 - THE SPACE TEMPERATURE SENSOR SHALL BE LOCATED IN THE RETURN AIR DUCTWORK. REFER TO DRAWING 09/M.3.1.
 - CONTRACTOR SHALL COORDINATE DIFFUSERS WITH LIGHTS AND HIGH MERCHANDISING FIXTURES. DIFFUSERS SHALL NOT BE MOUNTED DIRECTLY OVER LIGHTS OR HIGH MERCHANDISING FIXTURES.
 - CONTRACTOR SHALL SUBMIT A CERTIFIED TESTING AND AIR BALANCE REPORT BASED ON THE RTU DESIGNATIONS. SEE PROJECT MANUAL SECTION 15500 FOR NATIONAL ACCOUNT VENDOR.

KEY NOTES (SYMBOLS ①, ② ETC.)

- PROVIDE 1" DIAMETER PVC CONDENSATE DRAIN WITH MINIMUM 2" DEEP SEAL TRAP. ONLY IF EQUIPMENT IS NOT SUPPLIED WITH BUILT-IN TRAP SYSTEM. DRAIN SHALL EXTEND A MINIMUM OF 3'-0" ON THE DOWNHILL SIDE OF THE UNIT. CAP ALL UNUSED CONDENSATE DRAIN FITTINGS. TYPICAL ALL UNITS. WHEN REQUIRED BY CODE, CONDENSATE PIPING SHALL BE EXTENDED AS REQUIRED TO DISCHARGE INTO THE SANITARY SEWER SYSTEM THROUGH AN APPROVED INDIRECT CONNECTION OR AN APPROVED DRY WELL.
- 4" DIAMETER TYPE "B" GAS FLUE UP THRU ROOF. PROVIDE ROOF THIMBLE, TALL FLASHING CONE, STORM COLLAR AND UL STORM PROOF CAP. FLUE BY SELKIRK METALBESTOS OR EQUAL. OFFSET FLUE TO RISE MINIMUM OF 10' FROM ROOF EDGE.
- WALL SENSOR FOR UH-1. MOUNT ON WALL WHERE SHOWN AT 48" AFF. PROVIDE 2" X 4" STEEL JUNCTION BOX AND 1/2" EMT CONDUIT FOR WALL SENSOR WIRING EXPOSED ON WALL. ROUTE HORIZONTAL PORTION OF CONTROL WIRING CONDUIT AS HIGH AS POSSIBLE TO UNIT HEATER.
- MOUNT BOTTOM OF UNIT HEATER AND ACCESSORIES AT 12'-0" A.F.F. UNIT HEATER TO BLOW AIR TOWARDS RECEIVING DOOR. UNIT HEATER TO BE PLACED WITHIN THE RECEIVING AREA FURTHEST AWAY FROM THE RECEIVING DOOR. ON A NON-PROTOTYPICAL RECEIVING AREA CONFIGURATION, FINAL UNIT HEATER LOCATION TO BE APPROVED BY BED BATH & BEYOND APM. SEE UNIT HEATER MOUNTING DETAIL 1.3 ON SHEET M.3.1.
- PROVIDE DUCT DROPS FULL SIZE FROM UNIT CURB OPENING. TRANSITION AS REQUIRED TO DUCT SIZE/DIFFUSER BOX SHOWN ON PLANS. TRANSITIONS SHALL BE MADE IN ACCORDANCE WITH SMACNA STANDARDS. VERIFY RTU CURB OPENING SIZES AND CONFIGURATION WITH RTU MANUFACTURER.
- MECHANICAL SUBCONTRACTOR SHALL PROVIDE A LAMINATED PLAN OF RTU LOCATIONS AND MOUNT ON WALL ADJACENT TO NOVAR.
- AIR CURTAIN WILL BE INTERLOCKED WITH THE NOVAR CONTROL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ELECTRICAL SUBCONTRACTOR. MOUNT NOVAR SENSOR (WTS-10) ON SERVICE CORE WALL. SEE DETAIL 3/A9.1 FOR MOUNTING LOCATION.
- NOVAR INDOOR HUMIDITY SENSOR TO BE LOCATED IN THIS AREA AT 14'-0" A.F.F. OR AS REQUIRED BY NOVAR.
- RTU-6 SHALL BE PLACED 10'-0" FROM ANY ROOF EDGE AND 10'-0" FROM ANY EXHAUST FAN DISCHARGE TO THE FRESH AIR INTAKE AND TO BE LOCATED WITHIN THE FOOTPRINT OF THE OFFICE CORE BELOW.
- CO2 SENSOR TO BE LOCATED IN THIS AREA AT 14'-0" A.F.F. SENSOR PROVIDED BY NOVAR AND INSTALLED BY ELECTRICAL CONTRACTOR.

| DESIGNER | NOTE # | APPLICABLE | APPLICABLE | APPLICABLE | APPLICABLE |
|----------|--------|------------|------------|------------|------------|
| M.3.1 | 1 | X | | X | |
| | 2 | X | | X | |
| | 3 | X | | X | |
| | 4 | X | | X | |
| | 5 | X | | X | |
| | 6 | X | | X | |
| | 7 | X | | X | |
| | 8 | X | | X | |
| | 9 | X | | X | |
| | 10 | X | | X | |
| | 11 | X | | X | |
| | 12 | X | | X | |

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| REV | DATE |
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| △ | ADDENDUM#1 11-14-08 |
| △ | ADDENDUM#2 12-19-08 |
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MECHANICAL FLOOR PLAN

M2.1
MJM job# 07134