MECHANICAL UNIT INSTALLATION DETAILS
HVAC DETAILS—1

HVAC ROOF TOP UNIT

NOTES:

- ALL ROOF PENETRATIONS & CUTTING AND PATCHING OF BUILT-UP ROOF BY MALL ROOFING SUBCONTRACTOR AT THE EXPENSE OF THE TENANT.

- PREFAB INSULATED ROOF CURB FURNISHED BY THE TENANT, INSTALLED BY THE MALL ROOFING SUBCONTRACTOR @ TENANTS EXPENSE.
CRICKET DETAIL

HVAC CURB SEE DETAIL SHEET HVAC-2
FINISHED BUILT-UP ROOF SURFACE

NOTE:
The cricket shown here does not necessarily represent all conditions. This is an example only showing curb installation w/a minimum of 8" above finished roof structure.

NOTES:
1. All roof penetrations over 100 square inches required by the tenant shall be reinforced by the addition of framing surrounding the opening. All reinforcing shall be done according to the direction of the tenant’s structural engineer. As a general guideline framing surrounding the opening should not be less than a 3x3x1/4 angle for metal structures, or 4x8 for wood structures.

2. Compressor side of the HVAC unit should be located over a major structural member for support.

3. The tenant will install any additional framing necessary to reinforce the landlord’s roof structure for the support of the tenant’s roof top equipment.

4. The tenant must contract with an outside HVAC contractor for the regular repair and maintenance of the system and provide proof of such contract to the landlord.
NOTE:

TENANT IS RESPONSIBLE TO PROVIDE VERIFICATION BY A STRUCTURAL ENGINEER THAT THE HVAC UNIT IS ALL SPLIT SYSTEM HVAC UNITS MOUNTED ON ROOF DECK MUST BE SET ON FOUR SIDED FACTORY CURB.

MECH. UNITS PROVIDED AND INSTALLED BY TENANT MUST BE LOCATED DIRECTLY OVER TENANT SPACE.

ROOF PENETRATION AND PITCH POCKET BY MALL ROOFER.
CABLE TAP BOX ASSEMBLY W/ 2-100 A, 3 POLE FUSED SW. FURNISHED AND INSTALLED BY LANDLORD'S ELECT. CONTRACTOR. FUSES AND REDUCER CLIPS INSTALLED BY TENANT'S ELECT. CONTRACTOR AS SHOWN.

TENANT'S ROOF TOP A/C UNIT (RTAC)

CTBA OUTLET W/P-W/GFCI

ROOFLINE

CONDUIT RUN THRU JOIST SPACE TURN UP THRU EXISTING CURB INTO BOTTOM OF UNIT.

CEILING LINE

WEATHER PROOF OUTLET W/GFI PROTECTION 2-#12, 3/4" C

120/240V, 1#, 3 WIRE—15KVA OR LESS
120/208, 3#, 4 WIRE— OVER 15KVA

M/F DISCONNECT SWITCH NON-FUSED

GROUND TO BUILDING STEEL

* NON-AUTOMATIC CIRCUIT INTERRUPTER OR NON-FUSIBLE SWITCH MAY BE USED FOR THIS FUNCTION.

CABLEBUS SYSTEM PLAN A (WITHOUT 277/480 PANEL) SOUTH RIDGE MALL ELECTRICAL DETAIL—2
TENANT'S ROOF TOP A/C UNIT (RTAC)
480V–3φ

CONDUIT RUN THRU JOIST SPACE
TURN UP THRU EXISTING CURB
INTO BOTTOM OF UNIT.

ROOFLINE

SERVICE FROM MALL DISTRIBUTION PANEL
(MALL PANEL HAS CIRCUIT BREAKERS)

CEILING LINE

WEATHER PROOF OUTLET
W/GFI PROTECTION
2–#12, 3/4" C

DUNCAN METER SOCKET 4/100%
BYPASS FOR CHECK METERING

120/240V, 1φ, 3 WIRE–15KVA OR LESS
120/208, 3φ, 4 WIRE– OVER 15KVA

TRANSFORMER
KVA

GROUNDED TO BUILDING STEEL

PLAN B—ELECTRICAL
DISTRIBUTION DIAGRAM
SOUTHRIDGE MALL
ELECRICAL DETAIL–3
TENANT'S ROOF TOP A/C UNIT (RTAC)
208V–3Ø

ROOFLINE

CONDUIT RUN THRU JOIST SPACE
TURN UP THRU EXIST'G CURB INTO BOTTOM OF UNIT.

SERVICE FROM MALL DISTRIBUTION PANEL
(MALL PANEL HAS CIRCUIT BREAKERS)

CEILING LINE

WEATHER PROOF OUTLET
W/GFI PROTECTION
2–#12, 3/4" C

DUNCAN METER
SOCKET W/100% BYPASS FOR CHECK METERING

120/208V PANEL L W/MCB

PLAN C—ELECTRICAL DISTRIBUTION DIAGRAM
SOUTH RIDGE MALL ELECTRICAL DETAIL—4