NOTE: TURN SPRINKLER HEADS UP TO DECK IN AREAS OF CEILING REMOVAL.

NOTE: EXPOSED METAL DECK CEILING

REMOVE EXIST. OVERHEAD DOOR & TRACKS, EXISTING DUCTS, RETURNS, & MECHANICAL SYSTEMS TO REMAIN, LOCATIONS TO BE CONFIRMED BY MECHANICAL ENGINEERS.

REMOVE EXIST. CEILING SYSTEM & LIGHT FIXTURES, DIFFUSERS, ETC.

REMOVE PENDANT LIGHTING

HOT WATER SUPPLY LOCATION OF PROPOSED DUCT PENETRATIONS

NOTE: LIMITED DEMOLITION MAYBE REQUIRED OVER THE CEILING IN ROOM 220, COORDINATE ALL WORK WITH BUILDING MANAGER & OWNER

LOCATION OF EXISTING SOFFIT

9'-5" TO UNDERSIDE OF EXISTING UNIT

11'-11" TO UNDERSIDE OF EXISTING BEAM EXISTING SPRINKLER PIPE

EXISTING DUCT TO BE RELOCATED, PATCH AND REPAIR WALL AS NECESSARY

EXISTING DUCT UNDER BEAM

EXISTING LIGHT FIXTURE

EXISTING SPRINKLER HEAD

EXISTING VENT

EXISTING LIGHT FIXTURE

PORTION OF DECK TO BE DEMOLISHED FOR MECH. DUCTS & EQPM. (REFER TO MECH. DWGS.) PATCH & REPAIR AS NEEDED

OPEN WEB JOIST
NEW PENDANT LIGHTING (TYP OF 7), SEE DWG E-001

LIMIT OF ACOUSTICAL CEILING SPRAY

NEW PENDANT LIGHTING (TYP OF 3), SEE SHEET E-001

EXISTING DUCTS, RETURNS, & MECHANICAL SYSTEMS TO REMAIN, LOCATIONS TO BE CONFIRMED BY MECHANICAL & ELECTRICAL ENGINEERS

PROPOSED MECH. DUCTS & EQPM. (REFER TO MECH. DWGS.)

PATCH AND REPAIR CEILING AS NEEDED

8'-0"

EXPOSED DECK CEILING TO MATCH EXISTING LAB SPACES.

PROVIDE 2" SPRAY ACOUSTICAL MATERIAL FOR ALL EXPOSED DECK IN NEW AREAS

ROWAN UNIVERSITY

SUBMISSIONS

NO.

DATE:

DESCRIPTION:

DRAWING TITLE:

DRAWN BY:

REVIEWED BY:

DRAWING NO.

PROJECT NO.

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05.18.2018

DESIGN DEVELOPMENT

Christopher Menchin - NJ License # 21AI01404000

06.01.2018

CONSTRUCTION DOCUMENTS

FIRST & SECOND FLOOR REFLECTED CEILING PLANS

A-200

SCALE

1/4"=1'-0"

FIRST FLOOR REFLECTED CEILING PLAN

SCALE

2/1

SECOND FLOOR REFLECTED CEILING PLAN
8" MIN.

4" MIN.

NON-REMOVABLE UNIT

GROMMETED FASTENER 12 INCHES O.C.

METAL EXTENDER PIECE WITH SIKAFLEX-1A OR SIKASIL SG-15 SEALANT ONTO BACK SIDE

SARNAFIL FLASHING TO ACCEPTABLE SUBSTRATE

SPECIFIED SARNAFIL SECUREMENT

HOT-AIR WELD

SARNAFIL MEMBRANE

COVERBOARD (AS REQUIRED)

INSULATION SECURELY FASTENED

VAPOR RETARDER (AS REQUIRED)

STRUCTURAL DECK

8" min.

PIPE PENETRATION

SIKAFLEX-1A OR SIKASIL SG-15 SEALANT

STAINLESS STEEL HOSE CLAMP

ALUMINUM TAPE (SEE NOTE)

SARNAFIL FLASHING MEMBRANE

SARNAFASTENER AND SARNADISC

SARNAFIL BASE FLASHING

SARNAFIL MEMBRANE

COVERBOARD (AS REQUIRED)

INSULATION

BONDING ADHESIVE

NOTE:

USE 9 INCH WIDE PRESSURE-SENSITIVE UNCURED FLASHING CUT IN HALF TO FORM THE FIRST WRAP AROUND THE PIPE. THE SECOND WRAP SHALL BE FORMED USING A FULL WIDTH OF 9 INCH WIDE PRESSURE-SENSITIVE UNCURED FLASHING.
V/PH/HZ MCA MOCP
CU-1 ROOF VRF-1, 2, 3, 4 R-410A 12.6 3.8 48.0 54.0 95 & 43 1 SCROLL 2 .148 208/1/60 31 44 269 MITSUBISHI PUMY-P48NKMU1

NOTES:
3. PROVIDE WIND BAFFLES. PER MFG DATA, MIN. OPERATING RANGE IS 5°F.
6. PROVIDE ALL REFRIGERANT PIPE, ACCESSORIES AND APPURTENANCES PER MFG'S RECOMMENDATIONS. SIZING OF REFRIGERANT PIPE SHALL BE PER MFG'S RECOMMENDATION
4. PROVIDE BRAZED BALL VALVES FOR REFRIGERANT CONNECTIONS TO UNIT.

EXHAUST FAN SCHEDULE

VARIABLE REFRIGERANT FLOW INDOOR UNIT SCHEDULE

NOTES:
1. CAPACITIES INDICATED ARE NOMINAL BASED ON MFG'S DATA AT STANDARD CONDITIONS.
2. EER AND COP DATA LISTED IS FOR "NON-DUCTED" APPLICATIONS AT AHRI CONDITIONS.
3. PROVIDE MICROPROCESSOR CONTROLLER WITH BACNET COMMUNICATION INTERFACE MSTP FOR HONEYWELL CONTROL SYSTEM. CONTROLLER BY UNIT MANUFACTURER.
4. PROVIDE UNIT MOUNTED NEMA 3R NON-FUSED DISCONNECT SWITCH. PROVIDE FACTORY MOUNTED 120V NEMA 3R OUTLET.
5. PROVIDE UNIT WITH 4:1 MODULATING GAS HEAT.

MECHANICAL ROOF NEW WORK PLAN
<table>
<thead>
<tr>
<th>Circuit</th>
<th>Breaker</th>
<th>KW/Phase</th>
<th>Service To</th>
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<tbody>
<tr>
<td>IDF-1</td>
<td>2#12 &amp; 1#12 GRD 3/4&quot;</td>
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<tr>
<td>VRF-1, VRF-2</td>
<td>2#12 &amp; 1#12 GRD 3/4&quot;</td>
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<tr>
<td>RM. PRESSURE DIFFERENTIAL</td>
<td>2#12 &amp; 1#12 GRD 3/4&quot;</td>
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<tr>
<td>NEW IGNITION OVEN</td>
<td>4#10 &amp; 1#10 GRD 3/4&quot;</td>
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<tr>
<td>200A M.C.B.</td>
<td></td>
<td>208Y/120V, 3 VOLTAGE</td>
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<tr>
<td>200A M.L.O.</td>
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<td>4W EXISTING</td>
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