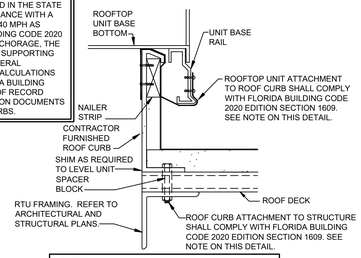
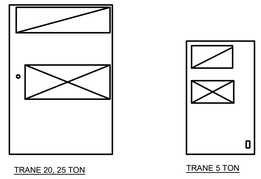
NOTE TO CONTRACTOR: PRIOR TO ORDERING THE ROOFTOP MECHANICAL UNITS, THE GENERAL CONTRACTOR SHALL OBTAIN ENGINEERING CALCULATIONS AND CONSTRUCTION DETAILS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA DOCUMENTING COMPLIANCE WITH A MINIMUM DESIGN WIND SPEED OF 140 MPH AS PRESCRIBED BY THE FLORIDA BUILDING CODE 2020 EDITION FOR THE UNIT TO CURB ANCHORAGE, THE UNIT CURB, AND THE UNIT CURB TO SUPPORTING STRUCTURE ANCHORAGE. THE GENERAL CONTRACTOR SHALL SUBMIT THE CALCULATIONS AND DETAILS TO THE CITY OF OCALA BUILDING DEPARTMENT AND THE ENGINEER OF RECORD IDENTIFIED ON THESE CONSTRUCTION DOCUMENTS PRIOR TO INSTALLING THE UNIT CURBS.



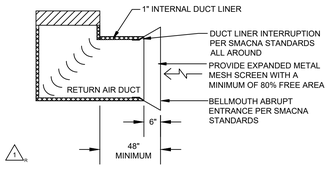
NOTES:
1. REFER TO STRUCTURAL DRAWING S0.2, TYPICAL RTU SUPPORT DETAIL FOR ADDITIONAL INFORMATION.
2. ROOFTOP UNIT STRAP MUST BE ATTACHED TO ROOF CURB PRIOR TO INSTALLATION OF ROOFTOP UNIT.

1 M1.0 RTU UNIT AND CURB ANCHORING DETAIL
SCALE: NOT TO SCALE

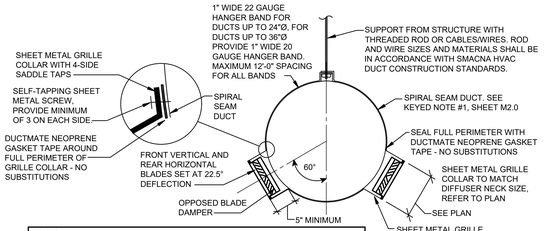


NOTE:
CONTRACTOR SHALL USE UNIT'S BOTTOM POWER ENTRY FOR POWER CONNECTION TO UNIT. FIELD PENETRATIONS THRU THE BASE OF THE UNIT ARE NOT ALLOWED.

2 M1.0 RTU OPENINGS DETAIL
SCALE: NOT TO SCALE

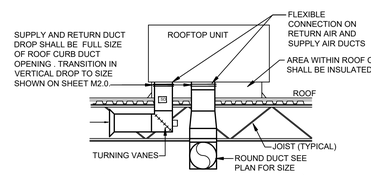


3 M1.0 SALES AREA RETURN AIR OPEING DETAIL
SCALE: NOT TO SCALE



NOTES:
1. MATERIALS AND INSTALLATION SHALL BE PER SMACNA STANDARDS
2. CONNECTION SHALL BE MADE AIRTIGHT PER SMACNA SEAL CLASS C.
3. DUCT TO DUCT CONNECTIONS SHALL BE MADE WITH GASKETED DUCT COUPLING USED FOR JOINING SPIRAL DUCT - VISIBLE RIB AT JOINT TO BE NO GREATER THAN 5/8". SPIRAL SEEMS MUST BE ROTATED TO HAVE CONTINUOUS HELICAL PATTERN ACROSS THE JOINT.
4. USE OF CAULK IS NOT ALLOWED AT ANY DUCT OR AIR DEVICE CONNECTIONS.

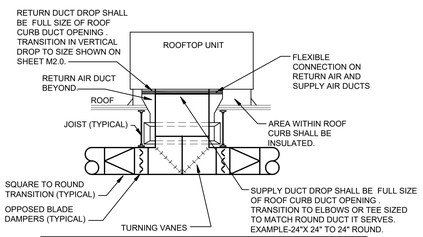
4 M1.0 TYPICAL SALES AREA SUPPLY DUCT/DIFFUSER SECTION DETAIL
SCALE: NOT TO SCALE



NOTE:
LINE THE SUPPLY PLENUMS FROM THE SUPPLY AIR CURB OPENING TO THE ROUND-TO-SQUARE FITTING. LINE ALL RETURN AIR DUCTWORK.

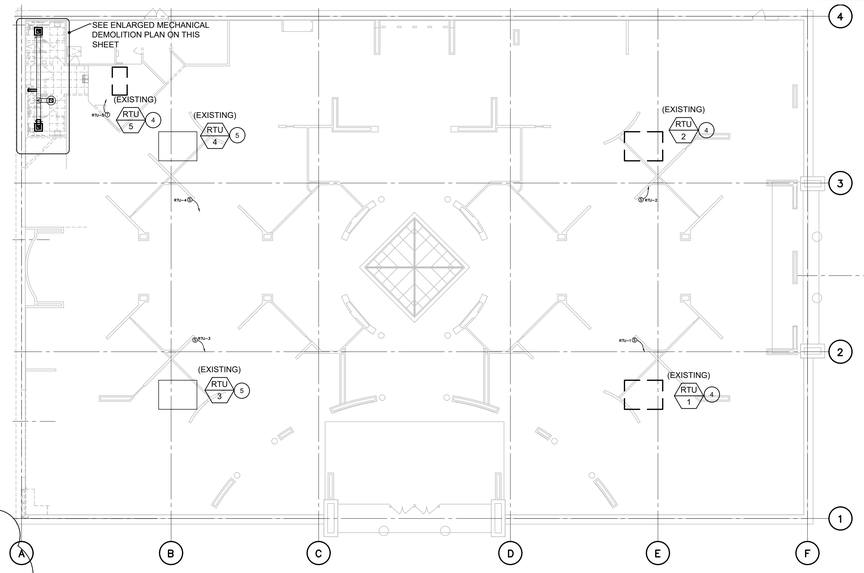
5 M1.0 RTU SECTION DETAIL
SCALE: NOT TO SCALE

NOTE:
ALL WORK SHALL COMPLY WITH DRAWINGS AND SPECIFICATIONS. THIS IS A PROTOTYPICAL DESIGN. ANY FIELD CHANGES REQUIRE OWNER OR ARCHITECT APPROVAL.

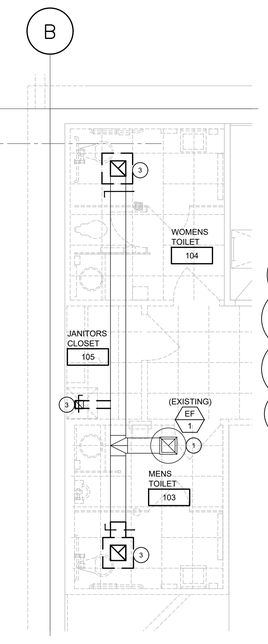


NOTE:
HEATING AND AIR CONDITIONING CONTRACTOR SHALL VERIFY JOIST SPACING PRIOR TO FABRICATING DUCT DROPS TO ENSURE DUCTS FIT BETWEEN JOISTS.

6 M1.0 RTU SECTION DETAIL
SCALE: NOT TO SCALE



8 M1.0 MECHANICAL DEMOLITION PLAN
SCALE: 1/16" =1'-0"



7 M1.0 ENLARGED MECHANICAL DEMOLITION PLAN
SCALE: 1/4" =1'-0"

MECHANICAL DEMOLITION KEYNOTES

1. EXISTING EXHAUST FAN TO REMAIN. VERIFY OPERATION AND LOCATIONS. SHOULD ANY REPAIRS BE REQUIRED, CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE AND SUBMIT A WRITTEN COST PROPOSAL INCLUDING COMPLETE COST TO PLACE UNIT IN "LIKE NEW" CONDITION AND TIME ESTIMATE TO COMPLETE REPAIRS.
2. EXISTING DUCTWORK AND DIFFUSERS TO REMAIN UNLESS OTHERWISE NOTED.
3. REMOVE DIFFUSER INDICATED TO BE RELOCATED IN NEW LAY-IN CEILING. SEE SHEET M2.0 FOR NEW LOCATION.
4. REMOVE AND PROPERLY DISPOSE OF EXISTING RTU. EXISTING ROOF CURB, DUCT DISTRIBUTION SYSTEM, AND CONTROLS TO REMAIN. INSPECT ROOF CURB AND PREP FOR NEW RTU INSTALLATION
5. EXISTING ROOFTOP UNIT TO REMAIN.

RTG Ocala, FL Expansion - Ventilation per 2020 FL MC Table 403.3.1.1								
Room	Use	Area (sf)	Calc. PPL	Total People	Area CFM	PPL Factor	MIN. O.A.	MAX. O.A.
Sales	Retail/Sales	14466		216.99	2171	1735.92	3627.5	1735.92	3363.42
Storage	Retail/Storage	82		-	-	9.84		9.84	9.84
							Total	1745.76	3373.26

MECHANICAL SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS

WHERE AUTHORITY HAVING JURISDICTION REQUIRES MECHANICAL SYSTEMS & SERVICE WATER-HEATING SYSTEMS COMMISSIONING, CONTRACTOR SHALL COORDINATE THE HIRING OF A REGISTERED DESIGN PROFESSIONAL, OR APPROVED AGENCY (FURTHER REFERRED TO AS "CxA"), WITH TENANT/OWNER'S REPRESENTATIVE. ALL COMMISSIONING COORDINATION IS TO BE DONE PRIOR TO START OF CONSTRUCTION.

PRIOR TO FINAL MECHANICAL AND PLUMBING INSPECTIONS, THE CxA IS TO PROVIDE EVIDENCE OF MECHANICAL SYSTEMS COMMISSIONING AND COMPLETION IN ACCORDANCE TO THE APPLICABLE ENERGY CODE. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND SCHEDULING OF ALL REQUIRED TESTING, BALANCING, ETC. WITH CxA AND TENANT/OWNER'S REPRESENTATIVE.

ALL REQUIRED COMMISSIONING DOCUMENTATION SHALL BE GIVEN TO THE OWNER, AND MADE AVAILABLE TO THE CODE OFFICIAL UPON REQUEST.

AIR DEVICE SCHEDULE

MARK	APPLICATION	MANUFACTURER/ MODEL	MATERIAL	FINISH	ACCESSORIES	REMARKS
S1	ROUND DUCT	TITUS DL	ALUMINUM	MILL	A, B, C	1, 2, 3
S2	CEILING	TITUS/TDCA-AA	ALUMINUM	BWE	A, B	1

ACCESSORIES
A - VOLUME CONTROL
B - PATTERN CONTROL
C - PAINT TO MATCH CEILING. SEE KEYED NOTES ON SHEET M2.0

"BWE" - BAKED WHITE ENAMEL

REMARKS
1 - SEE PLAN FOR NECK SIZE
2 - PROVIDE WITH OPPOSED BLADE DAMPERS
3 - NO ALTERNATE MODEL ACCEPTED

ROOFTOP UNIT SCHEDULE

EQUIPMENT MARK	RTU-6	RTU-7	RTU-1,2	RTU-5
MANUFACTURER	TRANE	TRANE	TRANE	TRANE
MODEL NUMBER	THD240G	THD240G	THD300G	THC067E
NOMINAL TONNAGE	20	20	25	5
ENERGY EFFICIENCY RATIO	11	11	10.60	13
INDOOR FAN CFM	8,000	8,000	10,000	2,000
INDOOR FAN HP	5.00	5.00	7.50	1.00
EXTERNAL STATIC PRESSURE [INCHES WATER COLUMN]	0.80	0.80	0.80	0.80
CONDENSER AMBIENT CONDITIONS:				
TEMPERATURE °F	95	95	95	95
MINIMUM OUTSIDE AIR CFM	875	875	775	105
MAXIMUM OUTSIDE AIR CFM	1690	1690	1500	200
COOLING CAPACITY:				
ENTERING AIR TEMPERATURE DRY BULB/WET BULB °F	77.0/65.0	77.0/65.0	77.0/65.0	77.0/65.0
SENSIBLE COOLING CAPACITY IN MBH	142.6	142.6	192.5	42.96
TOTAL COOLING CAPACITY IN MBH	226.8	226.8	259.7	57.66
HEATING CAPACITY:				
ELECTRIC HEAT INPUT KW	54	54	36.0	12.0
OUTPUT IN MBH	184.4	184.4	122.9	40.98
ELECTRICAL: (VERIFY WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING UNITS)				
VOLTS/PHASE	208/3	208/3	208/3	208/3
MCA/MOCP	163/175	163/175	126/150	45/45

ACCESSORIES:

PROVIDE ALL RTUS WITH THE FOLLOWING FACTORY OPTIONS:
115V GFCI CONVENIENCE OUTLET, BOTTOM POWER ENTRY, MODULATING ECONOMIZER DAMPERS, OUTDOOR AIR HOOD, DIFFERENTIAL ENTHALPY CONTROL, GRAVITY EXHAUST DAMPERS, FLOAT SWITCH, SINGLE ZONE VARIABLE AIR VOLUME (OR APPROVED EQUAL WHEN EQUIVALENT RTU'S ARE USED), FACTORY INSTALLED INDOOR AND OUTDOOR CORROSION PROTECTION, AND COIL/HAIL GUARDS.

RTU-6 & 7: PROVIDE 14" ROOF CURB WITH FACTORY-PROVIDED WIND / SEISMIC RESTRAINT CLIPS (FIELD INSTALLED, TO BE SUPPLIED WITH HVAC UNITS). UNIT-MOUNTED DISCONNECT - FACTORY INSTALLED ON RTU-6 AND RTU-7.

RTU-5: PROVIDE CURB ADAPTER - MODEL #: BAYQACB115 IF TRANE UNITS ARE UTILIZED.

RTU-1 & 2: UNITS TO BE MOUNTED ON EXISTING CURBS IF TRANE UNITS ARE UTILIZED.

RTU-1, 2, & 5: PROVIDE FUSED DISCONNECTS AT EACH UNIT, PROVIDED BY ELECTRICAL CONTRACTOR.

NOTE: THE CONTRACTOR IS TO ENSURE RTU IS PROTECTED WITH HACR BREAKER OR FUSES MEETING THE MOCP REQUIREMENTS OF THE RTU. IF UNITS OTHER THAN SPECIFIED ARE INSTALLED (WITH HIGHER MOCP AND AVAILABLE FAULT AT THE UNIT) FUSED DISCONNECT MAY BE REQUIRED. SEE ADDITIONAL NOTES REGARDING EQUIVALENT UNITS BELOW.

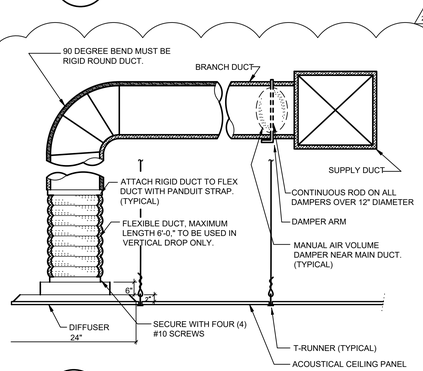
NOTE: SEE SHEET M2.0 FOR CONTROLS.

ACCEPTABLE EQUIVALENT RTU MANUFACTURER IS CARRIER. PROVIDE CARRIER UNITS WITH COIL/HAIL GUARDS.

NOTE: WHEN AN ACCEPTABLE EQUIVALENT RTU MANUFACTURER IS USED A CURB ADAPTOR WILL BE REQUIRED FOR RTU-1 AND RTU-2. HEATING/AIRCONDITIONING CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE EQUIVALENT RTU AND CURB ADAPTOR DRAWINGS TO CASCO TO DETERMINE CURB ADAPTER REQUIREMENTS AND IMPACT ON EXISTING ROOF STRUCTURE

NOTE: WHEN AN EQUIVALENT RTU IS USED. HEATING/AIRCONDITIONING CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING THE ELECTRICAL CONTRACTOR AND STEEL FABRICATOR OF THE REQUIREMENTS OF EQUIVALENT RTU'S. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER IF AN EQUIVALENT MANUFACTURER IS USED.

NOTES:
1. REFER TO STRUCTURAL DRAWING S0.2, TYPICAL RTU SUPPORT DETAIL FOR ADDITIONAL INFORMATION.
2. ROOFTOP UNIT STRAP MUST BE ATTACHED TO ROOF CURB PRIOR TO INSTALLATION OF ROOFTOP UNIT.



9 M1.0 CEILING DIFFUSER DETAIL
SCALE: NOT TO SCALE

MECHANICAL AND PLUMBING SYMBOLS AND ABBREVIATIONS LEGEND

AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
BTUH	BRITISH THERMAL UNITS
CD	CONDENSATE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
C.O.	CLEAN OUT
CW	COLD WATER
DB	DRY BULB
DCV	DEMAND CONTROL VENTILATION
DIA.Ø	CONTRACTOR TO MAKE NECESSARY PROVISIONS THAT
DOM	THE BUILDING IS OPERATED IN A SECURE MANNER AT ALL TIMES.
ELC	ELECTRICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FCO	FLOOR CLEANOUT
FP	FIRE PROTECTION
GFCI	GROUND FAULT CURRENT INTERRUPTER
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HAC	HEATING AND AIR CONDITIONING CONTRACTOR
HACR	HEATING, AIR CONDITIONING AND REFRIGERATION
HB	HOSE BIBB
HP	HORSEPOWER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HW	HOT WATER
HWH	HOT WATER HEATER
LAV	LAVATORY
MAX.	MAXIMUM
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MCA	MAXIMUM CIRCUIT AMPERES
MIN.	MINIMUM
MOCP	MAXIMUM OVERCURRENT CIRCUIT PROTECTION
NTS	NOT TO SCALE
OD	OVERFLOW DRAIN
PBC	PLUMBING CONTRACTOR
PPM	PARTS PER MILLION
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RD	ROOF DRAIN
RF	ROOF FAUCET
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
R/A	RETURN AIR
RWL	RAINWATER LEADER
S/A	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FEET
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
TP	TRAP PRIMER
TYP	TYPICAL
UR	URINAL
VTR	VENT THRU ROOF
WB	WET BULB
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
YCO	YARD CLEANOUT
°F	DEGREES FAHRENHEIT
Ø	DIAMETER
	FIXTURE OR EQUIPMENT
	MARK (DESIGNATION FOR SPECIFICATION OR MARK FOR SCHEDULE ON DRAWING)
S1 18x14 1250	AIR DEVICE TAG (S=SUPPLY, R=RETURN, E=EXHAUST), NECK SIZE & CFM
SD	DUCT SMOKE DETECTOR
CO2	CO2 DETECTOR
	GATE VALVE OR SHUT-OFF VALVE
	CHECK VALVE
	GLOBE VALVE
	PRESSURE REDUCING/REGULATING VALVE (PRV)
	GAS COCK
	FLOOR DRAIN WITH P-TRAP
	FLOOR CLEANOUT (FCO)
	WALL CLEANOUT (WCO)
	WALL HYDRANT/HOSE BIBB
	UNION
	PIPE RISE
	PIPE DROP
	SPRINKLER RISER
	WATER METER
	POINT OF CONNECTION/ ELEVATION/INVERT
	COLD WATER PIPING
	COLD WATER PIPING TO FLOOR DRAINS
	HOT WATER PIPING
RWL	PRIMARY RAINWATER LEADER
ORL	OVERFLOW RAINWATER LEADER
	SOIL/SEWER/WASTE PIPING
	VENT PIPING
CD	CONDENSATE PIPING ABOVE ROOF
CD	CONDENSATE PIPING UNDER ROOF
G	GAS PIPING ABOVE ROOF
ST	BELOW GRADE STORM PIPING
	REVISIONS
	VOLUME DAMPER
1	HVAC KEYED NOTE
1	PLUMBING KEYED NOTE

DEMOLITION GENERAL NOTES

1. ALL DEMOLITION WORK SHALL BE EXECUTED IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS.

2. DURING THE BIDDING PERIOD, EACH BIDDING CONTRACTOR SHALL VISIT THE SITE AND FACILITY TO VERIFY ALL EXISTING CONDITIONS, AND VERIFY THE SCOPE OF WORK INDICATED BY ALL CONTRACT DOCUMENTS. FAILURE TO DETERMINE AND/OR ANTICIPATE THE IMPACT OF THE SCOPE OF WORK ON EXISTING CONDITIONS SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. ANY DISCREPANCIES DISCOVERED IN THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED TO THE OFFICE OF THE ARCHITECT.

3. UNLESS NOTED OTHERWISE OR INSTRUCTED BY THE PROJECT CONSTRUCTION MANAGER, ALL DEMOLISHED MATERIAL AND EQUIPMENT IS TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A SAFE AND LEGAL MANNER. NO ON SITE SALE OR STORAGE OF MATERIAL IS ALLOWED.

4. ALL MATERIALS, EQUIPMENT, FIXTURES, SYSTEMS AND ACCESSORIES WHICH ARE TO REMAIN IN SERVICE SHALL BE CLEANED, REPAIRED, ADJUSTED, RECONDITIONED, AND PLACED INTO PROPER OPERATION, UNLESS OTHERWISE NOTED.

5. CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND REMODELING WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS TO REMAIN IN SERVICE, AND TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.

6. CONTRACTOR SHALL SEAL PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS AND ROOFS WHERE AND/OR PLUMBING AND/OR MECHANICAL COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. CONTRACTOR SHALL REPAIR SURFACES TO MATCH ADJACENT AREAS.

7. CONTRACTOR SHALL INSTALL PERMANENT CAPS WHERE DUCTWORK AND PIPING IS REMOVED AND THE EXISTING TAPS ARE NOT USED FOR THE NEW INSTALLATION. CONTRACTOR SHALL INSTALL TEMPORARY CAPS WHERE DUCTWORK AND PIPING IS REMOVED AND THE EXISTING TAPS WILL BE USED FOR THE NEW INSTALLATION TO PROTECT THE INTERIOR SURFACES UNTIL NEW DUCTWORK AND PIPING IS INSTALLED.

8. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING CONSTRUCTION DURING THE DEMOLITION AND CONSTRUCTION PROCESS TO PREVENT DAMAGE TO EXISTING FINISHES OR MATERIALS TO REMAIN FOR NEW INSTALLATION. REPAIR DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.

9. THIS DRAWING IS FOR GENERAL REFERENCE AND ORIENTATION. ALL EXISTING EQUIPMENT, DUCTWORK, ETC. SHOWN WERE ORIENTED PER ORIGINAL CONSTRUCTION DOCUMENTS, AND FIELD OBSERVATION WHEN POSSIBLE. ACTUAL LOCATIONS, SIZES, QUANTITY, AND CONFIGURATIONS MAY VARY FROM THAT SHOWN. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS. ALL WORK PERFORMED SHALL MEET ALL REQUIREMENTS OF THE SPECIFICATIONS AND SHALL BE AS INDICATED ON ALL CONSTRUCTION DOCUMENTS.

10. SEE ELECTRICAL, PLUMBING, MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON REMOVAL, REUSE, & RELOCATION OF EXISTING EQUIPMENT, PIPING, CONDUIT, DUCTWORK, ETC.

DEMAND CONTROL VENTILATION (DCV) SYSTEM SEQUENCE OF OPERATION, SPECIFICATIONS AND COMISSIONING

OUTSIDE AIR DAMPER CONTROL (NON-ECONOMIZER MODE):
THE OUTSIDE AIR DAMPER SHALL BE OPENED TO ALLOW THE MINIMUM OUTSIDE AIR QUANTITY (DCV MIN) SCHEDULED BELOW. IF THE CO2 LEVEL READING INSIDE THE BUILDING RISES ABOVE THE MINIMUM CO2 SETPOINT, THEN THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN FURTHER. WHEN THE CO2 LEVELS REACH 1000 ppm, THE OUTSIDE AIR DAMPER WILL MODULATE OPEN TO THE MAXIMUM OUTSIDE AIR QUANTITY (DCV MAX) SPECIFIED IN THE SCHEDULES BELOW. THE CO2 CONTROL ROUTINE SHALL NOT ALLOW THE OUTSIDE AIR DAMPER TO OPEN BEYOND DCV MAX. THE LOCAL AMBIENT CO2 LEVELS SHOULD BE TAKEN ON THE ROOF OF THE BUILDING NEAR RTU OUTSIDE AIR INTAKE, THIS READING IS THE MINIMUM CO2 SETPOINT.

OUTSIDE AIR DAMPER CONTROL (ECONOMIZER MODE):
WHEN THE OUTDOOR AIR CONDITIONS ALLOW FOR ECONOMIZER OPERATION TO OCCUR, THE MIXED AIR DAMPER SHALL MODULATE AS NEEDED TO MAINTAIN THE SUPPLY AIR TEMPERATURE/HUMIDITY SETPOINT, AND SHALL BE SUBJECT TO MAINTAINING AT LEAST THE MINIMUM OUTSIDE AIR SETTING. WHEN THE OUTDOOR AIR CONDITIONS DO NOT MEET THE ECONOMIZER MODE CRITERIA, THE OUTSIDE AIR DAMPER SHALL BE AT ITS MINIMUM SETTING AS PRESCRIBED ABOVE.

**THE OUTSIDE AIR DAMPER SHALL NOT ALLOW OUTSIDE AIR QUANTITY IN EXCESS OF THE MAXIMUM OUTSIDE AIR CFM SCHEDULED BELOW, UNLESS THE UNIT IS IN ECONOMIZER MODE.

CO2 SENSOR SHALL BE COMPATIBLE WITH RTU CONTROLS AND MEET THE FOLLOWING SPECIFICATIONS:
RANGE: 1-2,000 PPM
ACCURACY: +/- 50 PPM
STABILITY: <5% FULL SCALE FOR 5 YEARS
LINEARITY: +/- 2% FULL SCALE
MANUFACTURER RECOMMENDED MINIMUM CALIBRATION FREQUENCY: 5 YEARS

COMMISSIONING:
-PERFORM A CALIBRATION CHECK BY RECORDING READINGS ON ALL SENSORS EARLY IN THE MORNING. ALL SENSORS SHOULD READ WITHIN 50-70 PPM OR SHOULD BE CALIBRATED.
-FUNCTIONALLY TEST ALL DCV RELATED SEQUENCES, INCLUDING THE WORST CASE SCENARIO OF MINIMUM FLOW, AND THEN VERIFY PROPER BUILDING PRESSURIZATION IS STILL MAINTAINED.
-ENSURE THAT THE OWNER'S MAINTENANCE STAFF IS AWARE OF HOW TO CALIBRATE THE SENSORS.

SPACE CO2 READING	OUTDOOR AIRFLOW SETPOINT	RTU-6 & 7	RTU-1 & 2	RTU-5
AMBIENT OUTDOOR CO2	MINIMUM OUTSIDE AIR CFM (DCV MIN)	875	775	105
EQUAL OR GREATER THAN AMBIENT OUTDOOR CO2	MAXIMUM OUTSIDE AIR CFM (DCV MAX)	1690	1500	200

CASCO
12 Sunnen Drive, Suite 100, St. Louis, MO 63143 T: 314.821.1100

ROOMS TO GO
PATIO ADDITION
2832 SW COLLEGE ROAD
OCALA, FLORIDA 34474

CONSTR. DOC. & REVISIONS

No.	Description	Date
C	CODE RESPONSE	12/13/21
1	ADDENDUM #2	05/09/22
2	CHANGE BULLETIN #3	07/28/22

CASCO PROFESSIONAL SERVICES, LLC
12 SUNNEN DRIVE, SUITE 100, ST. LOUIS, MO 63143
314-821-1100
Engineering
#CA29655 02/28/23

PROFESSIONAL OF RECORD
MICHAEL C. GRAPPERHAUS
License NO. 73620
Expiration Date 02/28/23

Drawn By/Checked By:	JCM/MCG
Project Number	2100630
Owner & Permit Date	09/21/21
Bid Date	04/20/22

MECHANICAL SCHEDULES AND DETAILS

M1.0