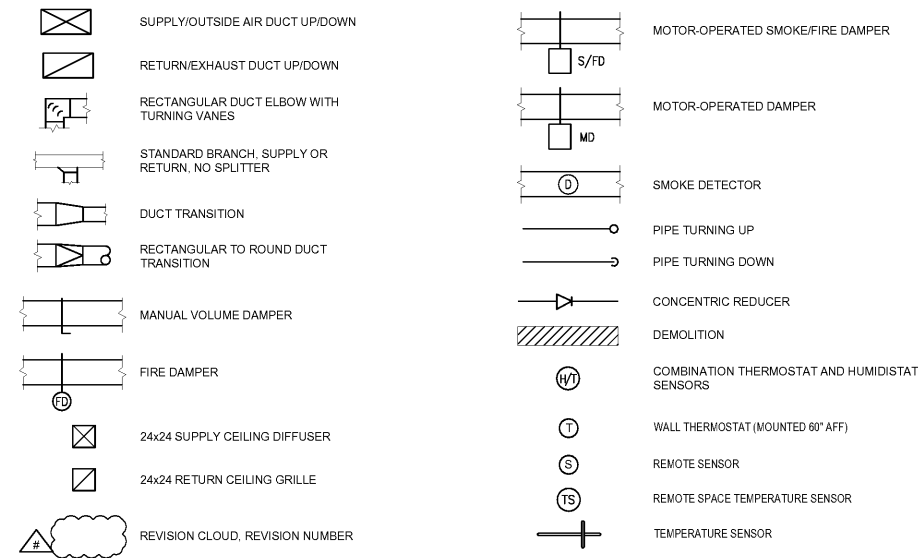


HVAC LEGEND



GENERAL NOTES

- ALL PIPING AND DUCTWORK SHOWN IS DIAGRAMMATIC ONLY. DETERMINE THE EXACT LOCATION IN THE FIELD.
- REVIEW ALL ARCHITECTURAL, STRUCTURAL, PLUMBING, ELECTRICAL, FIRE PROTECTION AND SITE DRAWINGS BEFORE STARTING ANY WORK TO BECOME FAMILIAR WITH THE DETAILS OF CONSTRUCTION, AND TO COORDINATE WITH OTHER TRADES TO ELIMINATE CONFLICTS.
- OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES RELATED TO SAME.
- PROVIDE ALL NECESSARY PIPING, EQUIPMENT AND SUPPORTS AS WELL AS ANY ADDITIONAL EQUIPMENT, ETC. NOT SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS BUT NECESSARY TO PROVIDE COMPLETE AND WORKABLE SYSTEMS.
- PROVIDE ACCESS TO ALL EQUIPMENT REQUIRING PERIODIC SERVICE AND MAINTENANCE.
- INSTALL ALL WORK IN ACCORDANCE WITH STATE AND LOCAL CODES.
- DO NOT SCALE THESE DRAWINGS. TAKE ALL MEASUREMENTS IN THE FIELD IN COORDINATION WITH ALL EQUIPMENT AS APPROVED AND WITH ALL OTHER TRADES.
- ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA.
- ALL PIPING HIGH POINTS SHALL HAVE 3/4 INCH VENTS AND LOW POINTS SHALL HAVE 3/4 INCH DRAINS.
- ALL ROTATING EQUIPMENT SHALL HAVE FLEXIBLE PIPE ON DUCT CONNECTIONS AND APPROVED VIBRATION ISOLATORS.
- DETAILS SHOWN ON SHEET M002 ARE APPLICABLE TO ALL EQUIPMENT, EXCEPT WHERE INDICATED.
- PROVIDE AIRTIGHT ACCESS DOOR FOR INSPECTION OF FIRE DAMPERS, FILTERS, AND COILS.
- CONTRACTOR SHALL VERIFY DUCT, PIPING AND EQUIPMENT LOCATIONS FOR INTERFERENCES BEFORE INSTALLATION.

ABBREVIATIONS

AC	AIR CONDITIONING	LPG	LIQUEFIED PETROLEUM GAS
AFF	ABOVE FINISHED FLOOR	LPS	LOW PRESSURE SWITCH
AHJ	AUTHORITY HAVING JURISDICTION	LRA	LOCKED ROTOR AMPS
AMB	AMBIENT	LT	LOW TEMPERATURE
AMP	AMPERE	LVG	LEAVING
APD	AIR PRESSURE DROP	MAX	MAXIMUM
ARCH	ARCHITECT	MBH	THOUSANDS BTUH
ASC	APPLICATION SPECIFIC CONTROLLER	MCA	MINIMUM CIRCUIT AMPACITY
ATC	AUTOMATIC TEMPERATURE CONTROL	MD	MOTORIZED DAMPER
ATM	ATMOSPHERE	MIN	MINIMUM
AV	AIR VENT	MO	MOTOR-OPERATED
BDD	BACK-DRAFT DAMPER	MOC	MAXIMUM OVER-CURRENT PROTECTION
BHP	BRAKE HORSEPOWER	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNIT	NIC	NOT IN CONTRACT
BTUH	BTU PER HOUR	No	NUMBER
C TO C	CENTER TO CENTER	NO	NORMALLY OPEN
CAP	CAPACITY	NTS	NOT TO SCALE
CD	CEILING DIFFUSER	OA	OUTSIDE AIR
CF	CUBIC FEET	PH	PHASE (ELECTRICAL)
CFH	CUBIC FEET PER HOUR	PM	POUNDS PER SQUARE INCH
CFM	CUBIC FEET PER MINUTE	PSIG	POUNDS PER SQUARE INCH GAGE
CONN	CONNECTION	RA	RETURN AIR
CNDS	CONDENSATE DRAIN	RH	RETURN GRILLE
D	DRY BULB	RHC	REHEAT COIL
DB	DEGREE	RH	RELATIVE HUMIDITY
DEG	DIAMETER	RLL	RUNNING LOAD AMPS
DIA	DIFFERENCE OR DELTA	RLL	REFRIGERANT LIQUID LINE
DN	DOWN	RTU	REFRIGERANT SUCTION LINE
Δ P	DELTA-P (PRESSURE DIFFERENTIAL)	S	SWITCH
Δ T	DELTA-T (TEMPERATURE DIFFERENTIAL)	SA	SUPPLY AIR
DX	DIRECT EXPANSION (REFRIGERANT) COIL	SCT	SATURATED CONDENSING TEMPERATURE
EA	EXHAUST AIR	SD	SMOKE DETECTOR
EAT	ENTERING AIR TEMPERATURE	SEN	SENSIBLE
EF	EXHAUST FAN	SF	SQUARE FEET
EG	EXHAUST GRILLE	SP	STATIC PRESSURE
ER	EXHAUST REGISTER	SR	SUPPLY REGISTER
ES	EXTERNAL STATIC PRESSURE	TS	TEMPERATURE SENSOR
EW	ENTERING WATER TEMPERATURE	TSP	TOTAL STATIC PRESSURE
F	FAHRENHEIT	TYP	TYPICAL
FC	FLEXIBLE CONNECTOR	UH	UNIT HEATER
FLA	FULL LOAD AMPS	V	VOLT (ELECTRICAL)
FM	FEET PER MINUTE	W	WATT OR WIDE
FPM	FEET PER SECOND	WB	WET BULB
F	FEET		
H	HIGH		
HO	HAND-OFF-AUTO		
HP	HORSEPOWER		
HPS	HIGH PRESSURE SWITCH		
HZ	FREQUENCY (CYCLES PER SECOND)		
ID	INSIDE DIAMETER		
IN	INCH		
KW	KILOWATT		
LAT	LATENT OR LEAVING AIR TEMPERATURE		
LB(S)	POUND(S)		
LD	LINEAR DIFFUSER		
LF	LINEAR FEET		

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 Micco, FL 32976
 JOB NUMBER: 41-17-00190

ISSUE BLOCK

CLIENT REVIEW	08/30/19
100%	09/27/19

CHECKED BY: BRT
 DRAWN BY: BRT

AIR DEVICE SCHEDULE
 ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED AND INSTALLED BY CONTRACTOR (UNO)

MARK	SERVICE	MANUFACTURER	MODEL	PRICE	METAL-AIRE	STYLE	FRAME TYPE	FACE SIZE	NECK SIZE	NOTES
CD-1	SUPPLY AIR	TITUS	TDC-AA	5000	METAL-AIRE	SQUARE NECK CEILING DIFFUSER	LAY-IN	24 X 24	9"	1, 2, 3, 4
CD-2	SUPPLY AIR	TITUS	TDC-AA	5000	METAL-AIRE	SQUARE NECK CEILING DIFFUSER	LAY-IN	24 X 24	9"	1, 2, 3, 4
CD-3	SUPPLY AIR	TITUS	TDC-AA	5000	METAL-AIRE	SQUARE NECK CEILING DIFFUSER	LAY-IN	24 X 24	9"	1, 2, 3, 4, 5
RG-1	RETURN AIR	TITUS	350FL	630	METAL-AIRE	LOUVERED CEILING GRILLE	LAY-IN	24 X 24	12 X 12	1, 2, 3, 4
RG-2	RETURN AIR	TITUS	350FL	630	METAL-AIRE	LOUVERED CEILING GRILLE	LAY-IN	24 X 24	12 X 12	1, 2, 3, 4
RG-3	RETURN AIR	TITUS	350FL	630	METAL-AIRE	LOUVERED CEILING GRILLE	LAY-IN	24 X 24	12 X 12	1, 4
EG-1	EXHAUST AIR	TITUS	350FL	630	METAL-AIRE	LOUVERED CEILING GRILLE	LAY-IN	24 X 24	12 X 12	1, 4
LD-1	SUPPLY AIR	TITUS	ML-39	SDS100	METAL-AIRE	LINEAR DIFFUSER	SLOT MOUNT	48"	10"Ø	1, 4, 6, 7
LD-2	SUPPLY AIR	TITUS	ML-39	SDS100	METAL-AIRE	LINEAR DIFFUSER	SLOT MOUNT	48"	12"Ø	1, 4, 6, 7

GENERAL NOTES:
 1. COORDINATE MOUNTING & FINISH REQUIREMENTS WITH ARCHITECTURAL REFLECTOR CEILING PLANS.
 2. REFER TO DRAWINGS FOR NECK SIZES AND CFM UNLESS NOTED ABOVE. PROVIDE SQUARE TO ROUND TRANSITIONS WHERE REQUIRED.
 3. STANDARD WHITE FINISH.
 4. ALL ALUMINUM CONSTRUCTION.
 5. FURNISHED WITH MANUFACTURER'S OPPOSED BLADE DAMPER CHECK.
 6. TWO 1" SLOTS FOR LD-1, THREE 1" SLOTS FOR LD-2. WALL FRAME WITH FLARED END, BLACK PATTERN CONTROLLERS.
 7. PROVIDE MANUFACTURER'S INSULATED PLUNGERS.

EXHAUST FAN SCHEDULE
 ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR

MARK	AREA SERVED	MANUFACTURER	MODEL	TYPE	FAN DATA			ELECTRICAL DATA			REMARKS	
					CFM	RPM	SP (IN)	VOLTS	PHASE	HZ		AMPS
EF-1	BATHROOM	NUTONE	QTXEN-150	CEILING	150	1450	0.1	120	1	60	0.5	CONTROLLED BY WALL OCCUPANCY SENSOR, BY ELECTRICAL
EF-2	SEE DRAWINGS	FANTECH	FG 8XL	INLINE	320	3031	0.5	120	1	60	1.32	PROVIDE COMBINATION OF WALL THERMOSTAT WITH REMOTE TEMPERATURE SENSOR

AIR CURTAIN SCHEDULE
 ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED AND INSTALLED BY CONTRACTOR

MARK	AREA SERVED	MANUFACTURER	MODEL	FAN DATA			ELECTRICAL DATA			OPERATING WEIGHT (LB.)	NOTES			
				CFM	HEAT KW	MOTOR DATA HP	V	PH	AMPS					
AC-1	BACK DOOR	MARS	LPV2 48-1U	1,200	0	1	1/6	120	1	2.4	3	20	40	1, 2, 3

GENERAL NOTES:
 1. UNIT SHALL BE COLOR WHITE.
 2. UNIT SHALL BE INSTALLED AS SPECIFIED. PROVIDE CLEARANCE PER MANUFACTURER SPECIFICATIONS.
 3. PROVIDE DOOR MAGNETIC CONTROL SWITCH TO TURN THE AIR CURTAIN "ON" WHEN THE DOOR OPENS AND "OFF" WHEN THE DOOR IS CLOSED.

AIR BALANCE SCHEDULE

MARK	STORE (CFM)		
	S/A	O/A	E/A
RTU-1	3500	400	---
RTU-2	3500	400	---
EF-1	---	---	150
EF-2	---	---	150
EF-2	---	---	320
TOTAL	7000	800	620

STORE PRESSURIZATION (O/A) - (E/A) = +180 CFM

ROOF TOP AIR CONDITIONING UNIT SCHEDULE
 ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR

MARK	MANUFACTURER	MODEL	DX COOLING COIL DATA				ELECTRIC HEATING DATA				AIR HANDLING DATA				ELECTRICAL DATA					
			COOLING TONNAGE		EAT °F	LAT °F	INPUT (KW)	OUTPUT (KW)	EAT °F	LAT °F	TOTAL CFM	SUPPLY FAN CAPACITY			EER	VOLTS	PHASE	MCA	MOC	WEIGHT (LBS)
			TOTAL	SENSIBLE	DB/WB	DB/WB	(KW)	(KW)	(KW)	(KW)	(KW)	(KW)	MIN. O.A. CFM	H.P.	ESP(IN)	SEER				
RTU-1	TRANE	YHC-120 (10 TONS)	102.1	77.2	75/64	55/54	27	20.5	56.0	109.0	3500	400	3.75	1.0	12.4	208	3	79.5	80	1675
RTU-2	TRANE	YHC-120 (10 TONS)	102.1	77.2	75/64	55/54	27	20.5	56.0	109.0	3500	400	3.75	1.0	12.4	208	3	79.5	80	1675

GENERAL NOTES (APPLIES TO ALL UNITS):
 1. PROVIDE FACTORY INSTALLED SMOKE DETECTORS FOR EACH UNIT (SUPPLY AND RETURN).
 2. PROVIDE COMBINATION HUMIDITY/TEMPERATURE REMOTE SENSOR (TYPICAL FOR RTU-1 & RTU-2), PROGRAMMABLE WALL THERMOSTAT BY OTHERS. REF PLANS FOR LOCATION.
 3. PROVIDE UNIT WITH MANUFACTURER HURRICANE TYPE ROOF CURB SUPPORTS TO MEET FLORIDA CODE AND REGULATIONS.
 4. PROVIDE UNIT WITH MICRO PROCESSOR CONTROLS.
 5. PROVIDE UNIT WITH COMPARATIVE ENTHALPY ECONOMIZER (ENTHALPY 0-100%) WITH BAROMETRIC RELIEF.
 6. PROVIDE A SET OF SPARE PLEATED FILTERS MERV 8, PROVIDED BY GC.
 7. NON-FUSED DISCONNECT.
 8. PROVIDE UNIT WITH HOT GAS REHEAT (DEHUMIDIFICATION).
 9. PROVIDE POWERED CONVENIENCE OUTLET.
 10. SET UNITS FOR CONTINUOUS FAN OPERATION.
 11. UNITS COME WITH CONVERTIBLE CONFIGURATION => HORIZONTAL.
 12. FACTORY APPLIED CORROSION INHIBITING TREATMENT REQUIRED.
 TREAT CONDENSER, EVAPORATOR, AND REHEAT COILS WHEN LOCATED WITHIN 5 MILES TO THE COAST.
 13. PROVIDE UNIT WITH "S" STYLE CLIPS. CLIPS SHALL BE CDI MODEL # 10-S-CLIP-3110
 14. PROVIDE UNIT WITH CONDENSATE OVERFLOW SWITCH.

HVAC LEGEND, ABBREVIATIONS, GENERAL NOTES AND SCHEDULES