ABBREVIATION	HANICAL ABBREVIATIONS  DEFINITION
A/C AD	ABOVE CEILING ACCESS DOOR
ADJ AFF	ADJUSTABLE ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ARCH B/F	ARCHITECT BELOW FLOOR
BAS BD	BUILDING AUTOMATION SYSTEM BACKDRAFT DAMPER
BEL	BELOW
BOD BTUH	BOTTOM OF DUCT BRITISH THERMAL UNIT/HOUR
C CAP	CONVECTOR
CD	CEILING DIFFUSER
CF CFM	CUBIC FEET PER MINUTE
CHWR CHWS	CHILLED WATER RETURN CHILLED WATER SUPPLY
CHWS	CEILING
CO	CLEANOUT
CONT	CONTINUATION
CONT CP	CONTINUATION CONDENSATE PUMP
CWR CWS	CONDENSER WATER RETURN CONDENSER WATER SUPPLY
D	CONDENSATE DRAIN
DB DDC	DRY BULB DIRECT DIGITAL CONTROLS
DG DIA	DOOR GRILLE DIAMETER (Ø)
DIFF	DIFFUSER
DN DWGS	DOWN DRAWINGS
EA	EACH
EAT EG	EXHAUST GRILLE
ELEC ENG	ELECTRICAL ENGINEER
ER	EXHAUST REGISTER
ESP ETR	EXTERNAL STATIC PRESSURE EXISTING TO REMAIN
EWT EXH	ENTERING WATER TEMPERATURE EXHAUST
EXTG	EXISTING
FA FCU	FREE AREA FAN COIL UNIT
FD FLEX	FIRE DAMPER FLEXIBLE
FLR	FLOOR
FOD FPM	FACE OPERATED DAMPER FEET PER MINUTE
FSD FT	FIRE/SMOKE DAMPER FEET
GAL	GALLON(S)
GC GPM	GENERAL CONTRACTOR GALLONS PER MINUTE
GR	GRILLE
HD HP	HEAD (FT WC) HORSEPOWER
HR HVAC	HOUR HEATING, VENTILATION AND AIR CONDITIONING
HWR	HOT WATER RETURN
HWS IN	HOT WATER SUPPLY INCHES
KW L&S	KILOWATT LOUVER & SCREEN
LAT	LEAVING AIR TEMPERATURE
LBG LBS.	POUNDS
LD LDR	LINEAR DIFFUSER LINEAR DIFFUSER RETURN
LF	LINEAR FEET
LSD LWT	LINEAR SLOT DIFFUSER LEAVING WATER TEMPERATURE
MAX MBH	MAXIMUM 1000 BTU/HOUR
MD	MANUAL DAMPER
MIN MOD	MINIMUM MOTOR OPERATED DAMPER
MOV MTD	MOTOR OPERATED VALVE MOUNTED
N.C.	NORMALLY CLOSED
N.O. N/A	NORMALLY OPEN NOT APPLICABLE
NC NIC	NOISE CRITERIA NOT IN CONTRACT
NOM	NOMINAL
NPSHA NTS	NET POSITIVE SUCTION HEAD AVAIL NOT TO SCALE
OA OBD	OUTSIDE AIR OPPOSED BLADE DAMPER
OC	ON CENTERS
OPNG PH	OPENING ELECTRICAL PHASE
PIU PLBG	POWERED INDUCTION UNIT PLUMBING
PRV	PRESSURE REDUCING VALVE
PSIA PSIG	POUNDS PER SQ. IN. ABSOLUTE POUNDS PER AQ. IN. GAUGE
R R/H	REFRIGERANT PIPING RELATIVE HUMIDITY
RA RD	RETURN AIR ROUND DIFFUSER
REG	REGISTER
RG RL	RETURN AIR GRILLE REFRIGERANT LIQUID
RPM RR	ROTATIONS PER MINUTE RETURN AIR REGISTER
RS	REFRIGERANT SUCTION
SA SD	SUPPLY AIR SMOKE DETECTOR
SF SG	SQUARE FEET SUPPLY GRILLE
SP	STATIC PRESSURE (IN. W.G.)
SPEC SQ	SPECIFICATION SQUARE
SR SS	SUPPLY REGISTER STAINLESS STEEL
STR	STRUCTURAL
TAB TE	TEST AND BALANCE TOILET EXHAUST
TG THRU	TRANSFER GRILLE THROUGH
TOD	TOP OF DUCT
TRANS TSTAT	TRANSITION THERMOSTAT
	TYPICAL UNDERCUT
TYP	J. 10 L. 100 I
UC UH	UNIT HEATER
UC	UNIT HEATER UNLESS NOTED OTHERWISE VARIABLE AIR VOLUME
UC UH UNO VAV VEL	UNLESS NOTED OTHERWISE  VARIABLE AIR VOLUME  VELOCITY
UC UH UNO VAV VEL W/ W/O	UNLESS NOTED OTHERWISE  VARIABLE AIR VOLUME  VELOCITY  WITH  WITHOUT
UC UH UNO VAV VEL W/	UNLESS NOTED OTHERWISE  VARIABLE AIR VOLUME  VELOCITY  WITH
UC UH UNO VAV VEL W/ W/O WB	UNLESS NOTED OTHERWISE  VARIABLE AIR VOLUME  VELOCITY  WITH  WITHOUT  WET BULB

SYMBOL	DUCTWORK SYMBOLS  DESCRIPTION
<u>STWBOL</u>	SUPPLY, VENTILATION, OUTSIDE AIR DUCTWORK SECTION
	RETURN OR TRANSFER AIR DUCTWORK SECTION
	EXHAUST OR RELIEF AIR DUCTWORK SECTION
<u> </u>	EXISTING DUCTWORK
	EXISTING DUCTWORK TO BE DEMOLISHED
	NEW DUCTWORK
[]	LINED DUCTWORK
	DUCTWORK END CAP
24"x24"	RECTANGULAR DUCTWORK DIMENSIONS
24"Ø	ROUND DUCTWORK DIMENSIONS
24"/24" FO	OVAL DUCTWORK DIMENSIONS
$\overline{\boxtimes}$	SUPPLY DIFFUSER
$\overline{\square}$	RETURN DIFFUSER
$\overline{\square}$	EXHAUST DIFFUSER
**************************************	FLEXIBLE DUCT
	TEXIBLE BOOT
	MITERED ELBOW (W/ TURNING VANES)
	RADIUS ELBOW
T	THERMOSTAT
Н	HUMIDISTAT
S	SENSOR
MD	MANUAL / VOLUME DAMPER
BDD	BACKDRAFT DAMPER
M	MOTORIZED DAMPER
▼ FD	FIRE DAMPER
FSD	MOTOR OPERATED FIRE SMOKE DAMPER
♦ SD	SMOKE DAMPER
(SD)	DUCT SMOKE DETECTOR
10"Ø CD 200	AIR DISTRIBUTION TAG; SIZE, DEVICE TYPE, CFM

SYMBOL	DESCRIPTION
	PIPE SIZE AND SYSTEM (SEE ABBREVIATIONS FOR SYSTEM TYPES
——————————————————————————————————————	PIPE SIZE AND SYSTEM (SEE ABBREVIATIONS FOR SYSTEM TYPES
D	CONDENSATE DRAIN
—cws—	CONDENSER WATER SUPPLY
—CWR—	CONDENSER WATER RETURN
—CHWS—	CHILLED WATER SUPPLY
—CHWR—	CHILLED WATER RETURN
R	REFRIGERANT LINE
$\longrightarrow$	GATE VALVE
<b>⊸</b> 7₀⊢	BALL VALVE
- <del>-</del>	BUTTERFLY VALVE
<b>-</b>	CHECK VALVE
_ <b>\</b>	PRESSURE REDUCING VALVE (PRV)
<del></del>	STRAINER
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
<u></u>	GAUGE COCK
	PIPE TURNING UP
<del></del>	PIPE TURNING DOWN
	PIPE CONNECTION AT BOTTOM OF MAIN
	PIPE CAP
	PIPE UNION
$\longrightarrow$	PIPE FLANGE
<del></del>	PETES PLUG
	THERMOMETER
	PRESSURE GAUGE
$-\!$	PUMP
	EXISTING PIPING
	NEW PIPING
****	PIPING TO BE DEMOLISHED
NOTE: THIS IS	A STANDARD LEGEND. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.

## GENERAL SYMBOLS

<b>€</b>	CONNECT TO EXISTING
$\bigoplus_{N}$	NORTH ARROW
1	DRAWING REVISION TAG
1	KEYED NOTE
S-1	—PLAN OR DETAIL NUMBEI —SHEET NUMBER

	SHEET LIST
SHEET NUMBER	SHEET NAME
M-001	MECHANICAL GENERAL
M-002	MECHANICAL DETAILS
M-003	MECHANICAL SCHEDULES
M-121	MECHANICAL PLAN - FIRST FLOOR
M-122	MECHANICAL PLAN - SECOND FLOOR
M-123	MECHANICAL PLAN - THIRD FLOOR
M-124	MECHANICAL PLAN - ROOF
M-300	MECHANICAL PLAN - UNIT PLANS

	08/22/25	DESIGN DEVELOPMENT
NO.	DATE	DESCRIPTION
Ĺ	E C	<b>5</b> ∞



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DESIGN DEVELOPMENT

Project No.: 2021009
Date: 08/22/2025

MECHANICAL GENERAL

Atlanta 3200 Windy Hill Road, SE, Suite 200E Atlanta, GA 30339 M-001

Project Number: 2024-03276

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Project No.: 2021009 08/22/2025

MECHANICAL DETAILS

**M-002** 

FIRE RATED WALL CONSTRUCTION-SLEEVE INSULATED ACCESS DOOR (INSTALL ON SIDE MOST ACCESSIBLE TO DAMPER) APPROVED SLIP JOINT

RETAINING ANGLES BY FIRE

 $\backslash$  M-002 / NOT TO SCALE

INSPECTING AUTHORITY.

DEVICE EXTERIOR.

ANGLE MOUNTING

BRACKET

M-002 NOT TO SCALE

DAMPER MANUFACTURER -

-SHEET METAL SCREWS (3 MIN.) AND SEAL INSULATED, ROUND STEEL DUCT. SEE NOTES 1 & 2

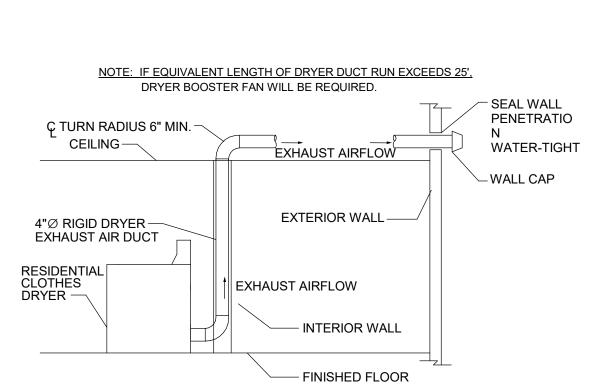
-1" WIDE BAND CLAMP WITH

WIRE SUPPORT TO STRUCTURE

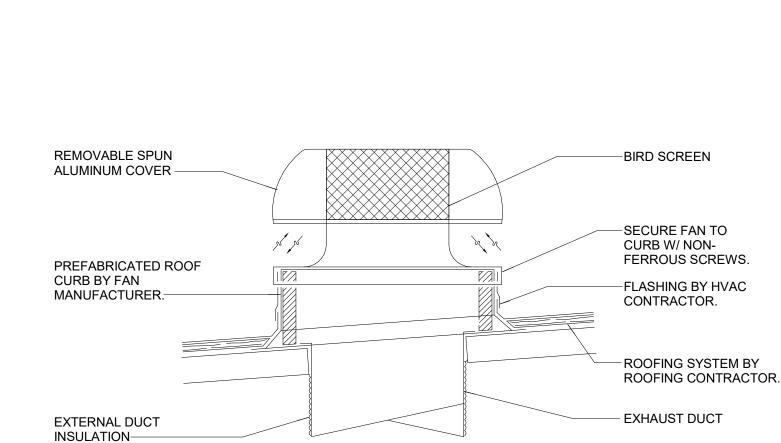
TYPICAL BRANCH DUCT TAKE-OFF DETAIL M-002 / NOT TO SCALE

> - ALL THREADED GALVANIZED HANGER ROD TO STRUCTURE (TYP.) SPRING ISOLATOR - OUTSIDE AIR DUCT FLEXIBLE CONNECTION (TYP). SUPPLY DUCT - RETURN DUCT FLOW - LAY-IN TILE ROUTE CONDENSATE DRAIN TO CEILING SYSTEM. NEAREST FLOOR DRAIN UNLESS OTHERWISE SHOWN ON PLANS -- AUXILIARY DRAIN PAN BELOW ENTIRE UNIT AND VALVING. ROUTE DRAIN TO ESCUTCHEON PLATE IN CEILING OF ADJACENT CORRIDOR UNLESS OTHERWISE SHOWN ON PLANS. 1. VERIFY DX COIL PIPING AND VALVING REQUIREMENTS FOR SPECIFIC INSTALLATION WITH UNIT MANUFACTURER.

TYPICAL HORIZONTAL FAN COIL UNIT DETAIL M-002 NOT TO SCALE







**FLOW** 

CEILING MOUNTED CABINET FAN DETAIL

EXTERNAL DUCT INSULATION

WITH DAMPER ACTUATOR

- INTEGRAL WALL SLEEVE BY

SLEEVE TO BE MINIMUM 16 GA.

WITH 3/16" EXPANSION CRACK

TWO SIDES AND TOP BETWEEN

EXPANSION CRACK WITH FIRE

RETARDANT NON-HARDENING

- EXHAUST DUCT - SEE PLANS

- FLEXIBLE

CONNECTION

CEILING

MANUFACTURER'S

EXHAUST GRILLE

FOR SIZE AND CONTINUATION.

DAMPER MANUFACTURER.

SLEEVE AND WALL. SEAL

(INTERLOCK WITH FIRE ALARM SYSTEM)

FIRE/SMOKE DAMPER

AIR FLOW

**-**V-

VERTICAL FIRE/SMOKE DAMPER DETAIL

1. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE

GRILLE INSTALLATION AT ALL SIDEWALL PENETRATIONS.

U.L. LISTING AND MANUFACTURERS INSTRUCTIONS.

SIZED ACCORDINGLY, WHERE POSSIBLE).

FAN -

FIRE/SMOKE DAMPERS SHALL BE RUSKIN SERIES FSD-60 OR EQUAL, EXCEPT WHERE

OTHERWISE NOTED. FIRE/SMOKE DAMPERS MUST COMPLY WITH U.L. STANDARD 555 AND 555S AND BE INSTALLED STRICTLY PER MANUFACTURER'S U.L. LISTED PRINTED INSTRUCTIONS.

PROVIDE SLEEVE TYPE INSTALLATION AT ALL CONTINUOUS DUCTED WALL PENETRATIONS AND

THIS DETAIL IS FOR REFERENCE ONLY. INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH

INSTALL ACCESS DOOR(S) AS REQUIRED TO PROVIDE UNIMPEDED ACCESS FOR MAINTENANCE

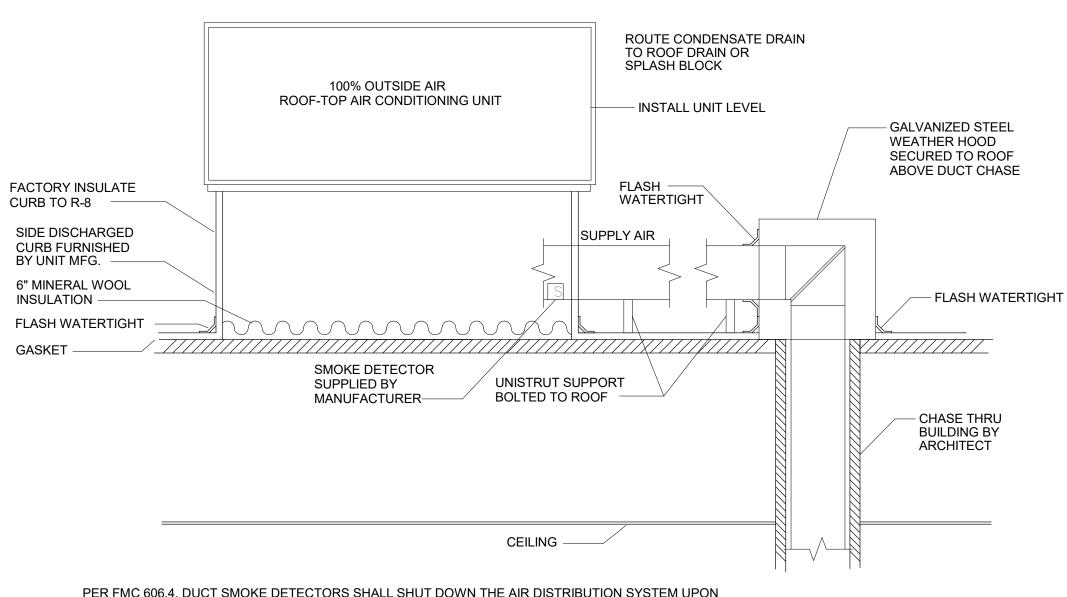
AND INSPECTION OF FSD'S FUSIBLE LINKS AND ACTUATORS. WHERE DAMPER HAS MULTIPLE

FUSIBLE LINKAGE ASSEMBLIES, PROVIDE ACCESS TO EACH (DOORS MAY BE COMBINED, AND

INSTALL FIRE ALARM RELAY AND MOTOR/ACTUATOR ON SAME SIDE OF FIRE/SMOKE DAMPER. PERMANENTLY MARK ROTATING ASSEMBLY (SHAFT) TO INDICATE DAMPER POSITION FROM

DAMPER ACTUATOR SHALL HAVE 120V/1PH POWER CONNECTION UNLESS NOTED OTHERWISE

**\ROOF HOOD DETAIL** M-002 NOT TO SCALE



45° BRANCH DUCT TAKE-OFF PER SMACNA.

USE AT ALL BRANCH TAKE-OFF'S UNLESS

OTHERWISE INDICATED.

BRANCH DUCT

- MANUAL VOLUME DAMPER

PER FMC 606.4, DUCT SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEM UPON PER FMC 606.4.1, DUCT SMOKE DETECTORS TO BE CONNECTED TO THE BUILDING FIRE ALARM PANEL IF THE OCCUPANCY DOES NOT REQUIRE A FIRE ALARM PANEL, THE ACTIVATION OF DUCT SMOKE DETECTORS SHALL ACTIVATE AN AUDIBLE AND VISIBLE SIGNAL IN AN APPROVED LOCATION. SIGNAL TO TO BE IDENTIFIED AS "AIR DUCT TROUBLE".

FLOW

1. REFER TO PLANS FOR DUCT SIZES.

TRUNK DUCT

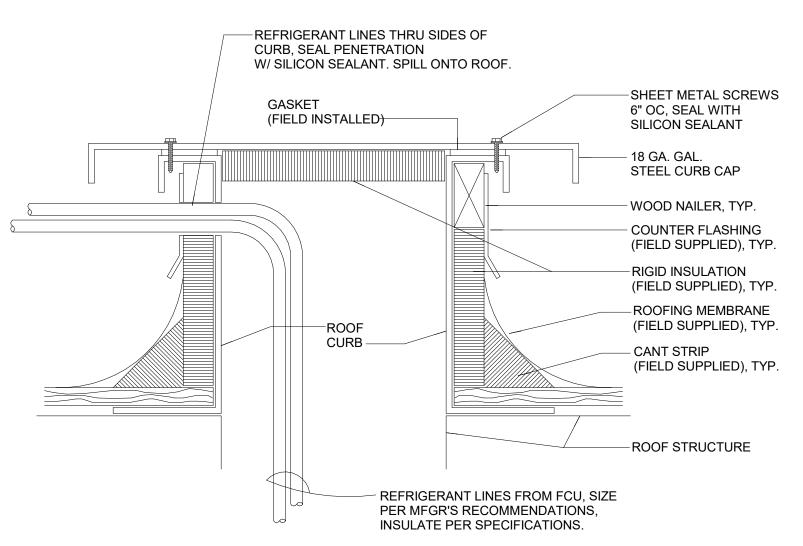
M-002 NOT TO SCALE

AIR

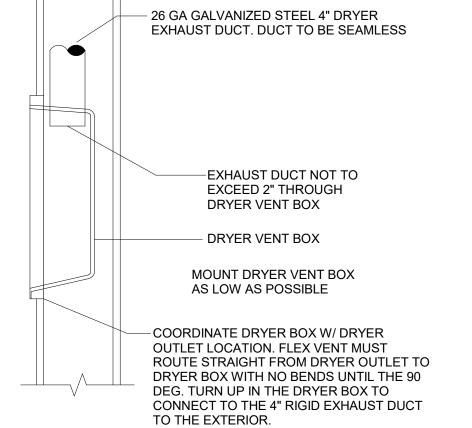
FĽOW

**TYPICAL BRANCH DUCT TAKE-OFF DETAIL** 

\DEDICATED OUTSIDE AIR UNIT DETAIL M-002 NOT TO SCALE



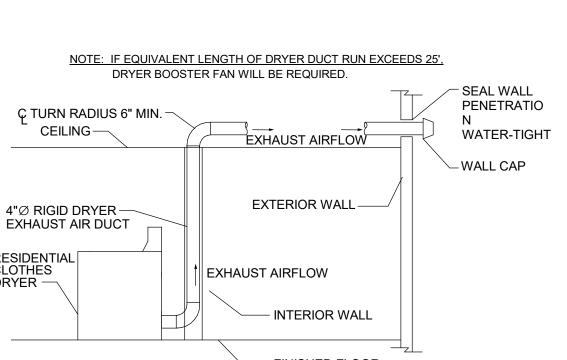
REFRIGERANT PIPING ROOF PENETRATION DETAIL M-002 NOT TO SCALE



1. INSTALL DRYER VENT BOX PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

2. DRYER VENT BOXES SHALL BE DRYERBOX MODEL 425 (UPWARD EXHAUST) OR EQUAL.

DRYER VENT BOX DETAIL M-002 NOT TO SCALE



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- SECURE FLEX DUCT LENGTH). SEE NOTE 1 TO STEEL DUCT WITH SEE SCHEDULE CLAMP AND SHEET AND ARCH'L RCP METAL SCREWS (3 MIN.) FOR FRAME AND CEILING TYPE. AIR FLOW CLAMP-1" WIDE CEILING DIFFUSER BAND CLAMP SEE PLANS FOR PATTERN. (4-WAY - SPIN-IN FITTING W/45 THROW, UON)-EXTRACTOR AND ADJUSTABLE MANUAL DAMPER WITH LOCKING DEVICE.

1 RUNOUTS TO DIFFUSERS SHALL BE SIZED TO MATCH

TO MAINTAIN MAX. 8 FT. FLEX. DUCT LENGTH.

SHEET METAL SCREW -

INSULATED FLEXIBLE

DUCT, (8'-0" MAX.

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THE DEVICE NECK UNLESS OTHERWISE NOTED ON PLANS. 2 PROVIDE INSULATED ROUND STEEL DUCT AS REQUIRED

DX COOLING COIL DB (°F) | STAGES | QUANTITY | REFRIG. (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)(16)(17)(18)(19)(20)95 INVERTER # DAIKIN - REBEL

DAIKIN - REBEL

1) PROVIDE BASIS OF DESIGN OR EQUAL BY TRANE, GREENHECK OR AAON.

LOCATION

ROOF

ROOF

SEE MECHANICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ELECTRICAL CHARACTERISTICS SHALL BE COORDINATED WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASING AND/OR ORDERING EQUIPMENT.

4 ALL EQUIPMENT SHALL BE PROVIDED WITH MANUFACTURER'S COASTAL APPLICATION PROTECTION KIT/COATINGS.

(5) PROVIDE 18-INCH HIGH INSULATED ROOF CURB.

SERVICE

OUTSIDE AIR

OUTSIDE AIR

UNIT

NUMBER

DOAS-1

DOAS-2

INVERTER COMPRESSORS FOR MODULATING CAPACITY AND DISCHARGE AIR TEMPERATURE CONTROL (DIGITAL SCROLL NOT ALLOWED).

MANUFACTURER TO PROVIDE A SUPPLY AIR SIDE DISCHARGE OPENING.

# 208

FAN MOTOR DATA

MODULATING HOT GAS REHEAT FOR DEHUMIDIFICATION CONTROL. PROVIDE OUTSIDE AIR DEW-POINT SENSOR.

RPM

UNIT NUMBER

FCU-A

FCU-B

FCU-C

FAN DATA

CFM

EXTERNAL

S.P.

OUTDOOR

(CFM)

3110

TYPE

HORIZONTAL

DISCHARGE HORIZONTAL

DISCHARGE

PROVIDE SPACE TEMPERATURE SENSOR FOR SUPPLY AIR TEMPERATURE RESET.

DIRECT DRIVE PLENUM SUPPLY WITH VARIABLE SPEED CONTROL.

STAINLESS STEEL DRAIN PAN.

95 INVERTER #

AIR SIDE DATA

84 79.5 53.0 #

LAT (°F)

PROVIDE INTEGRAL DISCONNECT SWITCH.

SMOKE DETECTOR FOR THE SUPPLY SHALL BE FACTORY PROVIDED. (15) PROVIDE CONDENSER FANS WITH ENERGY COMMUTATED MOTOR (ECM). (16) PROVIDE 2" MERV-8 PRE-FILTERS AND 4" MERV-14 FILTERS.

# # 208

PROVIDE AND INSTALL TEMPERATURE SENSOR BETWEEN COOLING AND HOT-GAS REHEAT COILS OR MEANS OF COIL TEMPERATURE MEASUREMENT VIA SUCTION PRESSURE SENSING.

PROVIDE 7-DAY DIGITAL, PROGRAMMABLE THERMOSTAT WITH LOCK-OUT CAPABILITY.

(18) UNIT IS SELECTED BASED ON ASHRAE 0.4% SUMMER DESIGN TABLE.

(19) R-32 A2L REFRIGERANT.

(20) CONFIGURED FOR HORIZONTAL DISCHARGE.

(13) PROVIDE THRU-BASE ELECTRICAL CONNECTIONS.

												PACKAG	SED RO	OOFTOP	AIR CO	NDI <sup>-</sup>	TION	ING	UNI	ΓS	CHEDULE		
UNIT		OUTDOOR		N DATA	FAN		CT EXPANS	SION CO	OLING C			RESSOR DATA	ELECTRIC	HEATING COIL	FILTER			GLE POI POWER				SELECTION.	
NUMBER	SERVICE	AIR (CFM)	CFM	EXTERNAL S.P.	MOTOR HP	SCINSIBLE	TOTAL (MBH)		T (°F)	FACE VELOCITY	NO.	NO. OF STAGES	KW	NO. OF STAGES	EFFICIENCY (%)			NNECTION			SEER2	SELECTION BASED ON	REMARKS
				(IN. W.G.)		(MBH)	(MBH)	DB	WB	(FPM)					(1-7)	MCA	MOCE	VOL	TS PHA	ASE			
RTU-1	ELEVATOR	0	1200	0.5	XX	XX	XX	XX	XX	XX	1	1	XX	XX	XX	XX	XX	208	08 3	3	14.0	DAIKIN - DSC036	1 2 3 4 5 6 7 8 9 10 11 12 13

PROVIDE BASIS OF DESIGN OR EQUAL BY TRANE.

TOTAL SENSIBLE

HP VOLTS PHASE CAPACITY CAPACITY

SEE MECHANICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ELECTRICAL CHARACTERISTICS SHALL BE COORDINATED WITH ELECTRICAL

CONTRACTOR PRIOR TO PURCHASING AND/OR ORDERING EQUIPMENT. (4) ALL EQUIPMENT SHALL BE PROVIDED WITH MANUFACTURER'S COASTAL APPLICATION PROTECTION KIT/COATINGS.

(5) PROVIDE 18-INCH HIGH INSULATED ROOF CURB.

(6) DIRECT DRIVE PLENUM SUPPLY WITH VARIABLE SPEED CONTROL.

STAINLESS STEEL DRAIN PAN.

PROVIDE INTEGRAL DISCONNECT SWITCH.

PROVIDE POWERED CONVENIENCE OUTLET.

10) R-32 A2L REFRIGERANT.

(11) CONFIGURED FOR HORIZONTAL DISCHARGE.

												ADA	UNIT S	SPLIT SYS	TEM HEAT PUMP	UNIT S	CHEDULE								
								FAN COIL UI	NIT										AIR COOLED	CONDENSI	NG UNIT				
					D.X. COOLI	NG COIL		REVERSE (	CYCLE			ELEC	TIC HEATER	KIT	0515071011		COND.	COMPI	RESSOR DATA	SINGLE	POINT	OFI FOTION			
	OA	E.S.P. (IN H2O	FAN HP	TOTAL	SENSIBLE CAPACITY	EAT	(°F)	HEATING	AIR	\ (O) TO	DUAGE	HEATER SIZE	\ (OL TO	DUAGE	SELECTION BASED ON	UNIT NUMBER	LOCATION EAT		NO. OF	POWER CO	NNECTION	SELECTION BASED ON	SEER2	HSPF2	REMARKS
CFM	CFM	(IN H2O)	) HP	(MBH)	(MBH)	DB	WB	CAPACITY (MBH)	AIR TEMP	VOLTS	PHASE	(KW) 6	VOLTS	PHASE	BASED ON	NOMBER	(°F)	NO.	STAGES	VOLTS	PHASE	DAGED ON			
400	65	0.5	#	12.0	9.0	75	63	10.9	47	208	1	3.0	208	1	DAIKIN - FDMA12	HP-A	ROOF 95	1	1	208	1	DAIKIN - RXP12	16	9.0	1 2 3 4 5 6 7 8
400	75	0.5	#	14.4	10.8	75	63	12.5	47	208	1	3.0	208	1	DAIKIN - FDMA12	HP-B	ROOF 95	1	1	208	1	DAIKIN - RXP12	16	9.0	1 2 3 4 5 6 7 8
400	65	0.5	#	12.0	9.0	75	63	10.9	47	208	1	3.0	208	1	DAIKIN - FDMA12	HP-C	ROOF 95	1	1	208	1	DAIKIN - RXP12	16	9.0	(1)(2)(3)(4)(5)(6)(7)(8)

1 REFRIGERANT LINES TO BE SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

(2) FAN COIL AND CONDENSING UNIT DISCONNECT BY ELECTRICAL CONTRACTOR.

(3) PROVIDE LOW AMBIENT COOLING KIT TO 0°F.

(5) PROVIDE 7-DAY PROGRAMMABLE T-STAT.

(4) PROVIDE HAIL GUARDS.

(7) PROVIDE COASTAL/CORROSIVE COATINGS. (8) R-32 A2L REFRIGERANT.

(6) INDICATED HEATER CAPACITY IS THE OUTPUT AT 208V/1P.

											COMMON	AREA S	PLIT SY	STEM AIR CONDIT	IONING	UNIT	SCHI	ΞDl	JLE				
									FAN COII	_ UNIT									AIR COOLED	CONDENSI	NG UNIT		
						D.X. COOL					ELEC	TRIC HEATER I	KIT				COND.	COM	IPRESSOR DATA	SINGLE	POINT	0515051011	
UNIT		OA	E.S.P.	FAN	TOTAL	SENSIBLE	EAT	(°F)			HEATER SIZE			SELECTION	UNIT	LOCATION			NO. OF	POWER CO	NNECTION	SELECTION BASED ON	REMARKS SEER
NUMBER	CFM	CFM	(IN H2O)	) HP	(MBH)	CAPACITY (MBH)	DB	WB	VOLTS	PHASE	(KW)	VOLTS	PHASE	BASED ON	NUMBER		(°F)	NO.	STAGES	VOLTS	PHASE	BASED ON	
DSS-1-1	600	0	0.5	#	30.0	22.5	75	63	208	1	N/A	208	1	DAIKIN	CU-1-1	ROOF	95	1	1	208	1	DAIKIN	19 1 2 3 4 5 6 7
DSS-2-1	600	0	0.5	#	30.0	22.5	75	63	208	1	N/A	208	1	DAIKIN	CU-2-1	ROOF	95	1	1	208	1	DAIKIN	19 1 2 3 4 5 6 7
DSS-3-1	600	0	0.5	#	30.0	22.5	75	63	208	1	N/A	208	1	DAIKIN	CU-3-1	ROOF	95	1	1	208	1	DAIKIN	19 1 2 3 4 5 6 7

1 ) REFRIGERANT LINES TO BE SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

(4) PROVIDE LOW AMBIENT COOLING KIT TO 0°F.

7 R-32 A2L REFRIGERANT.

2 PROVIDE 120 VOLT / 1 PHASE CONDENSATE PUMP.

3 CONDENSING UNIT FUSED DISCONNECT BY ELECTRICAL CONTRACTOR.

(5) PROVIDE HAIL GUARDS.

 $ig( egin{array}{c} 6 \ ig)$  PROVIDE 7-DAY PROGRAMMABLE T-STAT WITH LOCK-OUT CONTROLS.

				F	AN SCI	HEDULE	<u>.</u>				
LINUT				STATIC	FAN		МОТО	OR DATA A	T 60HZ	CELECTION	
UNIT NUMBER	LOCATION	FAN TYPE	CFM	PRESSURE (IN. W.G.)	FAN RPM	DRIVE	HP (W)	VOLTS	PHASE	SELECTION BASED ON	REMARKS
REF-1	ROOF	CEILING	450	0.4	#	DIRECT	1/10	115	1	GREENHECK - G-090-VG	1 3 4 5
EF-1	ADA UNIT - BATHROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	2 3 4 5
EF-1-1	RESTROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	2 3 4 5
EF-1-2	RESTROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	2 3 4 5
EF-1-3	RESTROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	2 3 4 5
EF-1-4	SPA	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	1 3 4 5
EF-1-5	TRASH	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	1 3 4 5
EF-2-1	RESTROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	2 3 4 5
EF-2-2	RESTROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	2 3 4 5
EF-2-3	SPA	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	1 3 4 5
EF-2-4	SALON	CEILING	150	0.4	#	DIRECT	(30)	115	1	GREENHECK - SP-LP0511-1	1 3 4 5
EF-3-1	RESTROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	2 3 4 5
EF-3-2	RESTROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	2 (3) (4) (5)

(1) FAN TO OPERATE CONTINUOUSLY.

2) FAN TO OPERATE WHEN LIGHT SWITCH IN RESTROOM IS TURNED ON.

3 PROVIDE UNIT MANUFACTURERS FAN SPEED CONTROLLER. FAN SPEED CONTROLLER SHALL BE FACTORY MOUNTED IN MOTOR COMPARTMENT OR FIELD MOUNTED ON FAN.

(4) PROVIDE UNIT MANUFACTURERS FAN MOUNTED DISCONNECT SWITCH.

(5) PROVIDE BACKDRAFT DAMPER.

											$\bigcap$ NI $\Delta$	DEV 6	SDI IT SVSTE		ΔT DI		LINIT	SCHEDI						
	COMMON AREA SPLIT SYSTEM H  FAN COIL UNIT  DY COOLING COIL  BEVERSE CYCLE															1111		AIR COOLED		NG LINIT				
						D.X. COOLI	NG COIL		REVERSE C							COND		RESSOR DATA	SINGLE					
UNIT		OA CFM	E.S.P.	FAN	TOTAL	SENSIBLE		Γ (°F)	HEATING	AIR	<b>-</b>		SELECTION	UNIT NUMBER	LOCATION	COND. EAT	•	NO. OF		ONNECTION	SELECTION BASED ON	SEER2	HSPF2	REMARKS
UMBER	CFM	CFM	(IN H2O)	) HP	CAPACITY (MBH)	CAPACITY (MBH)	DB	WB	CAPACITY (MBH)	AIR TEMP	VOLTS	PHASE	BASED ON	NUMBER		(°F)	NO.	STAGES	VOLTS	PHASE	BASED ON			T (ZIV) W W (C
FCU-1-1	800	220	0.5	#	22.9	17.8	75	63	22.0	47	208	1	DAIKIN - AMST24	HP-1-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	1 2 3 4 5 6 7
FCU-1-2	1400	200	0.5	#	40.3	26.2	75	63	39.5	47	208	1	DAIKIN - AMST42	HP-1-2	ROOF	95	1	1	208	1	DAIKIN - DH4SEA42	15.2	7.8	1 2 3 4 5 6 7
CU-1-3	800	60	0.5	#	17.9	11.9	75	63	17.0	47	208	1	DAIKIN - AMST24	HP-1-3	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	1 2 3 4 5 6 7
CU-1-4	800	380	0.5	#	24.0	18.0	75	63	23.2	47	208	1	DAIKIN - FBA24	HP-1-4	ROOF	95	1	1	208	1	DAIKIN - RZA24	16.2	9.3	1 2 3 4 5 6 7
CU-1-5	400	70	0.5	#	9.0	6.75	75	63	10.9	47	208	1	DAIKIN - FDMA09	HP-1-5	ROOF	95	1	1	208	1	DAIKIN - RXP09	16.0	9.0	1 2 3 4 5 6 7
CU-1-6	400	60	0.5	#	9.0	6.75	75	63	10.9	47	208	1	DAIKIN - FDMA09	HP-1-6	ROOF	95	1	1	208	1	DAIKIN - RXP09	16.0	9.0	1 2 3 4 5 6 7
CU-2-1	800	160	0.5	#	17.4	14.1	75	63	17.0	47	208	1	DAIKIN - AMST24	HP-2-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	1 2 3 4 5 6 7
CU-2-2	400	210	0.5	#	9.0	6.75	75	63	10.9	47	208	1	DAIKIN - FDMA09	HP-2-2	ROOF	95	1	1	208	1	DAIKIN - RXP09	16.0	9.0	1 2 3 4 5 6 7
CU-2-3	800	100	0.5	#	17.4	14.1	75	63	17.0	47	208	1	DAIKIN - AMST24	HP-2-3	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	1 2 3 4 5 6 7
CU-2-4	1000	410	0.5	#	30.0	22.5	75	63	29.2	47	208	1	DAIKIN - FBA30	HP-2-4	ROOF	95	1	1	208	1	DAIKIN - RZA30	16.5	8.9	1 2 3 4 5 6 7
CU-2-5	400	80	0.5	#	17.4	14.1	75	63	17.0	47	208	1	DAIKIN - AMST24	HP-2-5	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	1 2 3 4 5 6 7
CU-2-6	400	60	0.5	#	9.0	6.75	75	63	10.9	47	208	1	DAIKIN - FDMA09	HP-2-6	ROOF	95	1	1	208	1	DAIKIN - RXP09	16.0	9.0	1 2 3 4 5 6 7
CU-3-1	1000	180	0.5	#	27.6	22.9	75	63	28.6	47	208	1	DAIKIN - AMST30	HP-3-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA30	15.2	7.8	1 2 3 4 5 6 7
CU-3-2	470	180	0.5	#	14.4	10.5	75	63	18.0	47	208	1	DAIKIN - FDMA15	HP-3-2	ROOF	95	1	1	208	1	DAIKIN - RXP15	18.0	9.2	1 2 3 4 5 6 7
FCU-3-3	800	160	0.5	#	22.9	17.8	75	63	22.0	47	208	1	DAIKIN - AMST24	HP-3-3	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	1234567
FCU-3-4	400	80	0.5	#	17.4	14.1	75	63	17.0	47	208	1	DAIKIN - AMST24	HP-3-4	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	1 2 3 4 5 6 7

(7) PROVIDE COASTAL/CORROSIVE COATINGS.

REFRIGERANT LINES TO BE SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

PROVIDE 120 VOLT / 1 PHASE CONDENSATE PUMP.

(3) CONDENSING UNIT FUSED DISCONNECT BY ELECTRICAL CONTRACTOR.

(4) PROVIDE LOW AMBIENT COOLING KIT TO 0°F.

(5) PROVIDE HAIL GUARDS. (6) PROVIDE 7-DAY PROGRAMMABLE T-STAT WITH LOCK-OUT CONTROLS.

Salas O'Brien.

(1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)(16)(17)(18)(19)(20)

08/22/25 DESIGN

NO. DATE DESCRIPTION

DEVELOPMENT

salasobrien.com 3200 Windy Hill Road, SE, Suite 200E Atlanta, GA 30339

Project Number: 2024-03276

M-003

DESIGN

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**DEVELOPMENT** 

Project No.: 2021009

MECHANICAL SCHEDULES

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Date: 08/22/2025

MECHANICAL PLAN - FIRST FLOOR

M-121

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MECHANICAL PLAN -SECOND FLOOR

**M-122** 



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M-123

MECHANICAL PLAN - THIRD FLOOR

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MECHANICAL PLAN - ROOF

M-124

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NO. DATE DESCRIPTION

4 MECHANICAL PLAN - UNIT C M-300 1/4" = 1'-0"

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MECHANICAL PLAN - UNIT PLANS

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M-300

