

Zone Name / Space Name	Floor Area (ft²)	Maximum Occupants	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)
01 VSL 1	1707	25.6	7.5	0.12	397
02 VSL 2	1346	20.2	7.5	0.12	313
03 PNK 1	1480	22.2	7.5	0.12	344
04 PNK 2	1010	15.2	7.5	0.12	235
05 Bra Salon*	1410	21.2	7.5	0.12	328
06 Beauty	640	9.6	7.5	0.12	149
07 Cashw rap	449	6.7	7.5	0.12	104
08 Fitting Rooms*	647	8	7.5	0.12	138
09 Vestibule*	147	0	0	0.06	9
10 Restrooms	154	0	0	0	0
11 3 Person Manger O	139	3	5	0.06	24
12 Break Room	222	4	5	0.06	33
13 Hallway	287	0	0	0.06	17
14 Stock	686	2.3	0	0.12	83
15 Receiving	56	0.2	0	0.12	7
16 DM Office	86	1	5	0.06	10
Totals					2191

\*475 CFM of outside air delivered by existing Landlord System to VAV boxes

NTS

00D-M0401-M00-OACA

M

09/13/15

## DESIGN WEATHER PARAMETERS

City Name	Atlanta
Location	Georgia
Latitude	33.7 Deg.
Longitude	84.4 Deg.
Elevation	1033.0 ft
Summer Design Dry-Bulb	93.0 °F
Summer Coincident Wet-Bulb	75.0 °F
Summer Daily Range	17.3 °F
Winter Design Dry-Bulb	18.0 °F
Winter Design Wet-Bulb	14.8 °F
Atmospheric Clearness Number	0.95
Average Ground Reflectance	0.20
Soil Conductivity	0.600 BTU/(hr-ft-F)
Local Time Zone (GMT +/- N hours)	No
Consider Daylight Savings Time	No
Simulation Weather Data	none/N/A
Current Data is	2001 ASHRAE Handbook
Design Cooling Months	January to December

## HVAC LOAD CALCULATIONS

Air System Information		Number of zones	16
Air System Name	All Zones (ALL OA)	Floor Area	10468.0 ft²
Equipment Class	PKG ROOF	Location	Atlanta, Georgia
Air System Type	2DMZ		

Sizing Calculation Information		Calculation Months	Jan to Dec
Zone and Space Sizing Method:		Sizing Data	Calculated
Zone CFM	Sum of space airflow rates		
Space CFM	Individual peak space loads		

Central Cooling Coil Sizing Data		Load occurs at	Aug 1590
Total coil load	30.3 Tons	OA DB / WB	83.0 / 75.0 °F
Wall Transmission	363.0 MBH	Entering DB / WB	81.8 / 67.5 °F
Sensible coil load	252.9 MBH	Leaving DB / WB	55.7 / 64.5 °F
Coil CFM at Aug 1590	928.0 CFM	Coil ADP	62.8 °F
Max block CFM	15405 CFM	Bypass Factor	0.100
Sum of peak zone CFM	15405 CFM	Resulting RH	56 %
Sensible heat ratio	0.697	Design supply temp.	55.0 °F
R7/Ton	346.0	Zone 1-stat Check	16 of 16 OK
BTU/(hr-ft²)	34.7	Max zone temperature deviation	0.0 °F
Water flow @ 10.0 °F rise	N/A		

Central Heating Coil Sizing Data		Load occurs at	Des Htg
Max coil load	105.7 MBH	Coil CFM at Des Htg	6072 CFM
Coil CFM at Des Htg	6072 CFM	Max coil CFM	6072 CFM
Water flow @ 20.0 °F drop	N/A	Ent. DB / LG DB	61.1 / 77.9 °F

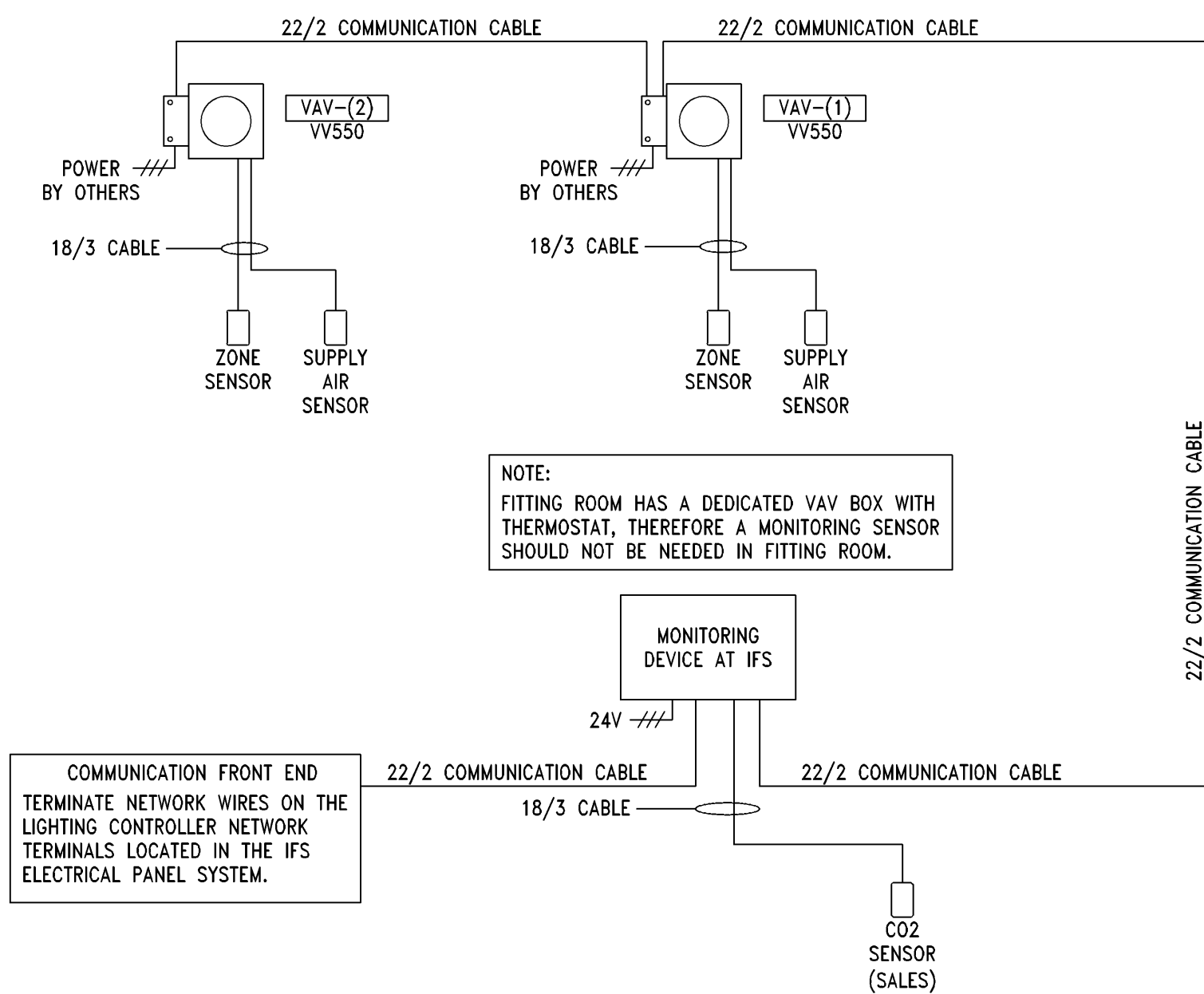
ZONE LOADS	DESIGN COOLING		DESIGN HEATING	
	COOLING DATA AT Aug 1590		HEATING DATA AT DES Htg	
	Sensible (BTU/hr)	Latent (BTU/hr)	Sensible (BTU/hr)	Latent (BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	0 ft²	-
Wall Transmission	374 ft²	1372	374 ft²	1971
Roof Transmission	0 ft²	0	0 ft²	0
Window Transmission	0 ft²	0	0 ft²	0
Skylight Transmission	0 ft²	0	0 ft²	0
Door Loads	21 ft²	100	21 ft²	328
Floor Transmission	10212 ft²	0	10212 ft²	780
Partitions	0 ft²	0	0 ft²	0
Ceiling	0 ft²	0	0 ft²	0
Overhead Lighting	24461 W	58422	0	0
Task Lighting	0 W	0	0	0
Electric Equipment	8465 W	26862	0	0
People	290	69496	57314	0
Infiltration	-	5	5	14
Miscellaneous	-	0752	4609	0
Safety Factor	5% / 5%	8351	3096	5%
>> Total Zone Loads	-	475581	65024	-
Zone Conditioning	-	175278	65024	-
Plenum Wall Load	0%	0	0	0
Plenum Roof Load	70%	0	0	0
Plenum Lighting Load	30%	25036	0	0
Return Fan Load	11179 CFM	0	11179 CFM	0
Ventilation Load	2203 CFM	35986	44784	119070
Supply Fan Load	11179 CFM	16575	11179 CFM	-16575
Space Fan Coil Fans	-	0	-	0
Duct Heat Gain / Loss	0%	0	0%	0
>> Total System Loads	-	252879	109908	-
Central Cooling Coil	-	252879	110124	0
Central Heating Coil	-	0	-	105724
>> Total Conditioning	-	252879	110124	0

Key: Positive values are ckg loads  
Negative values are hkg loads

## HVAC LOAD CALCULATIONS

NTS
00D-M0401-J00-LOAD
J
08/11/11

## NON-FAN POWERED VARIABLE AIR VOLUME (VAV) TERMINAL UNITS WITH ELECTRIC HEAT NETWORK WIRING AND SEQUENCE



NOTES:

- (1) ALL WIRE SHALL BE 18/3 UNLESS OTHERWISE INDICATED.
- (2) NUMBER OF CABLES FURNISHED BY HVAC MANUFACTURER IS INDICATED BY NUMBER OF TICK MARKS ACROSS THE LINE.
- (3) PURPLE 22/2 WIRE IS PROVIDED BY HVAC SUPPLIER AND IS PLENUM RATED.
- (4) SCHEMATIC IS FOR REFERENCE ONLY. AT TIME OF CONSTRUCTION, THE HVAC SUPPLIER WILL PROVIDE A COMPLETE DIAGRAM FOR INSTALLATION. SEE RESPONSIBILITY SCHEDULES, THIS SHEET, FOR A LIST OF ALL COMPONENTS AND SENSORS REQUIRING FIELD INSTALLATION.

## NON-FAN POWERED VAV (VAV) SEQUENCE OF OPERATIONS

MANUFACTURER SHALL FURNISH AND/OR INSTALL ALL NECESSARY CONTROL DEVICES TO ACCOMPLISH THE FOLLOWING SEQUENCE OF OPERATION (REFER TO RESPONSIBILITY SCHEDULE FOR FIELD INSTALLATION REQUIREMENTS):

DURING OCCUPIED HOURS THE VARIABLE AIR VOLUME TERMINAL UNIT DAMPER SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE.

IF THE SPACE TEMPERATURE DROPS ONE DEGREE BELOW SETPOINT AND THE DAMPER IS AT MINIMUM POSITION, THE UNIT'S ELECTRIC HEAT SHALL ENERGIZE. THE HEAT WILL REMAIN ON UNTIL THE SPACE TEMPERATURE IS SATISFIED.

THE TERMINAL UNIT DAMPER SHALL FULLY (CLOSE/OPEN) UPON A SIGNAL FROM THE FIRE ALARM SYSTEM.

THE DAMPER SHALL OPEN IF UNOCCUPIED COOLING SETPOINT IS REACHED.

DURING THE UNOCCUPIED SCHEDULE, THE DAMPER SHALL CLOSE AND HEATER WILL DEENERGIZE. THE DAMPER SHALL OPEN IF UNOCCUPIED COOLING SETPOINT IS REACHED. DAMPER SHALL OPEN AND THE HEATER SHALL ENABLE IF UNOCCUPIED TEMPERATURE IS 2°F BELOW UNOCCUPIED SETPOINT. DAMPER SHALL CLOSE AND HEATER SHALL STOP WHEN SETPOINT IS REACHED.

SETPOINTS:

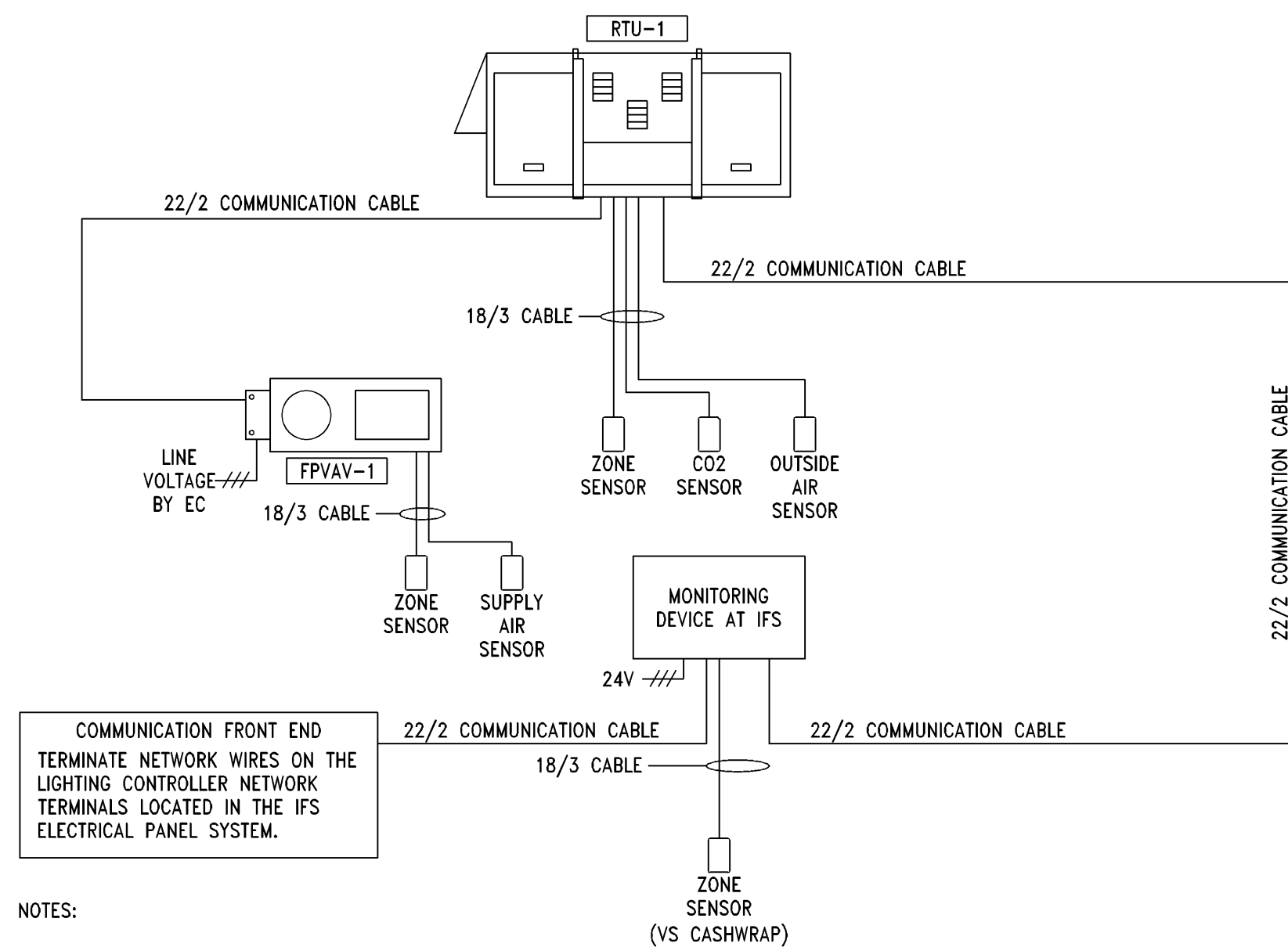
OCCUPIED HEATING: 70°F COOLING: 74°F  
UNOCCUPIED HEATING: 60°F COOLING: 65°F

**LANDLORD NOTE:**  
HVAC RTU HAS TO BE TIED INTO THE MALLS SMOKE PURGE SYSTEM BY WAYPOINT SYSTEMS AND APEX FIRE AT TENANTS' CO. COST. TENANTS RTU HAS TO HAVE FULL EXHAUST CAPABILITY AND CONTROL POINTS AVAILABLE TO TIE INTO TO FACILITATE STOP, EXHAUST AND FULL PRESSURIZATION OF TENANTS RTU. VERIFY IF THE INSTALL FIRE DAMPER MUST BE INSTALLED WHERE THE CHASE/DUCT WORK PASSES THROUGH NEW DEMISING WALL.

## MONITORING RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LSD&C	LANDLORD	CONTR.	LANDLORD	CONTR.	OTHER			
MONITORING SPACE TEMPERATURE SENSOR								●	
MONITORING CARBON DIOXIDE SENSOR	AC					MC			
MONITOR ONLY DEVICES WITH ANALOG INPUTS AND COMMUNICATION CAPABILITY	AC					MC			
CONTROL TRANSFORMERS			MC		MC				AS REQUIRED FOR MONITORING DEVICES

## ELECTRIC/ELECTRIC ROOFTOP UNIT NETWORK WIRING AND SEQUENCE



NOTES:

- (1) ALL WIRE SHALL BE 18/3 UNLESS OTHERWISE INDICATED.
- (2) NUMBER OF CABLES FURNISHED BY HVAC MANUFACTURER IS INDICATED BY NUMBER OF TICK MARKS ACROSS THE LINE.
- (3) PURPLE 22/2 WIRE IS FURNISHED BY HVAC SUPPLIER AND IS PLENUM RATED.
- (4) SCHEMATIC IS FOR REFERENCE ONLY. AT TIME OF CONSTRUCTION, THE HVAC SUPPLIER WILL PROVIDE A COMPLETE DIAGRAM FOR INSTALLATION. SEE RESPONSIBILITY SCHEDULES, THIS SHEET, FOR A LIST OF ALL COMPONENTS AND SENSORS REQUIRING FIELD INSTALLATION.

## ROOFTOP UNIT (RTU) SEQUENCE OF OPERATIONS

MANUFACTURER SHALL FURNISH AND/OR INSTALL ALL NECESSARY CONTROL DEVICES TO ACCOMPLISH THE FOLLOWING SEQUENCE OF OPERATION (REFER TO RESPONSIBILITY SCHEDULE FOR FIELD INSTALLATION REQUIREMENTS):

DURING OCCUPIED HOURS THE SUPPLY FANS SHALL OPERATE CONTINUOUSLY, AND THE OUTSIDE AIR DAMPER SHALL OPEN TO THE MINIMUM SCHEDULED POSITION (ADJUSTABLE), WHEN THE OUTDOOR TEMPERATURE IS ABOVE 55 DEGREES FAHRENHEIT (ADJUSTABLE), AND THE SPACE TEMPERATURE IS 1°F ABOVE COOLING SETPOINT, COOLING SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE) UNTIL 1°F BELOW SETPOINT IS ACHIEVED. WHEN THE OUTDOOR TEMPERATURE IS BELOW 55 DEGREES FAHRENHEIT (ADJUSTABLE), AND SPACE TEMPERATURE IS ABOVE COOLING SETPOINT, COOLING SHALL DEENERGIZE, AND OUTSIDE AIR DAMPERS AND RETURN AIR DAMPERS SHALL MODULATE TO PROVIDE A SUPPLY AIR TEMPERATURE TO SATISFY THE DEMAND FOR COOLING. IF THE SPACE TEMPERATURE FALLS 1°F BELOW THE HEATING SETPOINT, AND THE OUTDOOR DAMPER IS AT THE MINIMUM POSITION, ELECTRIC HEAT SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE) UNTIL 1°F ABOVE SETPOINT IS ACHIEVED.

DURING UNOCCUPIED HOURS, THE SUPPLY FANS SHALL BE DEENERGIZED. IF THE SPACE TEMPERATURE RISES ABOVE THE COOLING SETPOINT, THE FANS SHALL ENERGIZE, AND THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED. COOLING SHALL BE ENERGIZED, WHEN THE SPACE TEMPERATURE FALLS 1°F BELOW THE COOLING SETPOINT, COOLING AND FANS SHALL BE DEENERGIZED. IF THE SPACE TEMPERATURE FALLS 1°F BELOW THE HEATING SETPOINT, THE FANS SHALL OPERATE, AND THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED. ELECTRIC HEAT SHALL BE ENERGIZED, WHEN THE SPACE TEMPERATURE RISES 1°F ABOVE THE HEATING SETPOINT, ELECTRIC HEAT AND FANS SHALL BE DEENERGIZED.

POWER EXHAUST FAN (WHERE APPLICABLE) SHALL BE ENERGIZED WHENEVER THE SUPPLY FANS ARE OPERATING, AND THE UNIT IS IN THE ECONOMIZER MODE OF OPERATION. THE RELIEF FAN SPEED SHALL BE VARIED THROUGH A VARIABLE SPEED DRIVE CONTROLLED BY SPACE PRESSURE DIFFERENTIAL RELATIVE TO OUTDOOR PRESSURE. FAN SPEED SHALL MODULATE TO MAINTAIN A SPACE PRESSURE OF 0.05" POSITIVE RELATIVE TO OUTDOOR PRESSURE. RELIEF DAMPER SHALL OPEN WHEN RELIEF FAN IS ENERGIZED.

A FIELD INSTALLED HUMIDITY SENSOR SHALL MODULATE THE COOLING IN STAGES (WHERE APPLICABLE) WHEN THE CONDITIONED SPACE RISES ABOVE 55% RH. THE UNIT WILL OPERATE IN THE DEHUMIDIFICATION MODE UNTIL THE RELATIVE HUMIDITY OF THE CONDITIONED SPACE IS 5% BELOW THE RH SETPOINT. REHEAT OPERATION WILL INITIATE ON A DEHUMIDIFICATION DEMAND AND DOES NOT REQUIRE A COOLING DEMAND.

A FIELD INSTALLED CO2 SENSOR SHALL MODULATE THE OUTDOOR AIR DAMPER DURING OCCUPIED OPERATION BETWEEN SCHEDULED OA FLOW CFM AND MIN SCHEDULED OA FLOW TO MAINTAIN A CO2 CONCENTRATION BETWEEN 1000PPM AND 500PPM.

A DUCT MOUNTED SMOKE DETECTOR SHALL DEENERGIZE THE SUPPLY AND RELIEF FAN, AND CLOSE THE OUTDOOR AIR DAMPER WHEN ACTIVATED.

SETPOINTS:

OCCUPIED HEATING: 70°F COOLING: 74°F  
UNOCCUPIED HEATING: 60°F COOLING: 65°F  
HUMIDITY SETPOINT: 55% RH

## FAN POWERED VAV (FPVAV) SEQUENCE OF OPERATIONS

MANUFACTURER SHALL FURNISH AND/OR INSTALL ALL NECESSARY CONTROL DEVICES TO ACCOMPLISH THE FOLLOWING SEQUENCE OF OPERATION (REFER TO RESPONSIBILITY SCHEDULE FOR FIELD INSTALLATION REQUIREMENTS):

DURING OCCUPIED HOURS THE VARIABLE AIR VOLUME TERMINAL UNIT FAN SHALL BE ENERGIZED AND DAMPER SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE.

IF THE SPACE TEMPERATURE DROPS ONE DEGREE BELOW SETPOINT AND THE DAMPER IS AT MINIMUM POSITION, THE UNIT'S ELECTRIC HEAT SHALL ENERGIZE. THE HEAT WILL REMAIN ON UNTIL THE SPACE TEMPERATURE IS SATISFIED.

THE TERMINAL UNIT DAMPER SHALL FULLY (CLOSE/OPEN) AND THE FAN SHALL (ENERGIZE/DEENERGIZE) UPON A SIGNAL FROM THE FIRE ALARM SYSTEM.

DURING THE UNOCCUPIED SCHEDULE, THE DAMPER SHALL CLOSE AND FAN/HEATER WILL DEENERGIZE. THE DAMPER SHALL OPEN AND THE FAN SHALL ENERGIZE IF UNOCCUPIED COOLING SETPOINT IS REACHED. THE FAN AND HEATER SHALL ENABLE IF UNOCCUPIED TEMPERATURE IS 2°F BELOW UNOCCUPIED SETPOINT. FAN AND HEATER SHALL STOP WHEN SETPOINT IS REACHED.

## ROOFTOP UNIT RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LSD&C	LANDLORD	CONTR.	LANDLORD	CONTR.	OTHER			
ROOFTOP UNITS	AC					MC			
ROOFCURB FOR RTU AS REQUIRED	AC					MC		●	MC TO MEASURE EXISTING CURBS FOR ADAPTERS
ROOFCURB ADAPTER FOR RTU AS REQUIRED			MC						
STRUCTURAL SUPPORTS FOR RTU AS REQUIRED						MC			SOME MODIFICATIONS BY MC REQUIRED
ECONOMIZER PACKAGE	AC					AC			
ECONOMIZER ACTUATOR	AC					AC			
POWER EXHAUST	AC					MC			
NON-POWERED GROUND FAULT SERVICE RECEPTACLE	AC					AC			WIRED BY EC
NON-FUSED ELECTRICAL DISCONNECT	AC					AC			
BAS CONTROLLER	AC					AC			FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
SUPPLY AIR TEMPERATURE SENSOR	AC					AC			FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
SPACE TEMPERATURE SENSOR	AC					MC			FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
OUTSIDE AIR TEMPERATURE SENSOR	AC					MC			1 PER PROJECT. FINAL CONN BY LL CONTR @ TENANT EXP.
CARBON DIOXIDE SENSOR						MC			FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
HUMIDITY SENSOR								●	
SINGLE ZONE VAV CONTROLS								●	
ROOFTOP UNIT COMMISSIONING	AC					AC			CALL HVAC SUPPLIER
MONITOR ONLY DEVICES WITH ANALOG INPUTS AND COMMUNICATION CAPABILITY	AC					MC			
CONTROL TRANSFORMERS			MC		MC				AS REQUIRED FOR MONITORING DEVICES

## NETWORK WIRING AND SEQUENCE

NTS
00D-M0401-E00-SCHD
E
02/18/14

## NOTE TO CONTRACTOR

ITEM(S) NOT SHOWN ON ANY OF THE RESPONSIBILITY SCHEDULES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

## LOCAL AREA REQUIREMENTS

YES	NO	1. SMOKE EVACUATION	YES	NO	5. SPECIAL CURB HEIGHT REQUIREMENTS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. SMOKE EVACUATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. SPECIAL CURB HEIGHT REQUIREMENTS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. CARBON MONOXIDE MONITORING	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. FIVE MILE COASTAL PROXIMITY
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. HURRICANE ZONE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. OTHERS, I.E. METHANE, CARBON MONOXIDE, SOUND SENSITIVE, ETC. DESCRIPTION. . .
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. SEISMIC ZONE			

## ABBREVIATIONS, RESPONSIBILITY SCHEDULES

AC	HVAC EQUIPMENT SUPPLIER	GC	GENERAL CONTRACTOR
AJH	AUTHORITY HAVING JURISDICTION	LC	LANDLORD CONTRACTOR
BAS	BUILDING AUTOMATION SYSTEM	LD	LIGHTING PACKAGE DISTRIBUTOR
EC	ELECTRICAL CONTRACTOR	LL	LANDLORD
FAC	FIRE ALARM CONTRACTOR	LSD&C	LIMITED STORE DESIGN & CONSTRUCTION
		MC	MECHANICAL CONTRACTOR

## FAN POWERED VARIABLE AIR VOLUME (FPVAV) & VARIABLE AIR VOLUME (VAV) BOX RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LSD&C	LANDLORD	CONTR.	LANDLORD	CONTR.	OTHER			
SERIES ARRANGEMENT FAN POWERED VAV BOX (WITH HEAT AND NO HEAT OPTIONS)	AC					MC			
NON-FAN POWERED VAV BOX			LL		LL				AT TENANT'S EXPENSE
FAN POWERED BOX ELECTRICAL DISCONNECT	AC					AC			
NON-FAN POWERED BOX ELECTRICAL DISCONNECT	AC					AC			
BAS CONTROLLER WITH INTEGRATED ACTUATOR	AC					AC			FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
SUPPLY AIR TEMPERATURE SENSOR	AC					MC			FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
SPACE TEMPERATURE SENSORS						MC			FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
TERMINAL UNIT COMMISSIONING	AC					AC			CALL HVAC SUPPLIER
LANDLORD UNIT CONTROLLER								●	
LANDLORD SPACE TEMPERATURE SENSOR/THERMOSTAT								●	
ADDITIONAL LANDLORD CONTROL SYSTEM COMPONENTS								●	

## HVAC RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LSD&C	LANDLORD	CONTR.	LANDLORD	CONTR.	OTHER			
ROOFING CUT & PATCH, INSULATED TOE KICK & CURB LEVELING.			MC		MC				HIRE LANDLORD APPROVED ROOFING CONTRACTOR
DUCT SMOKE DETECTOR			FAC		MC				FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
SMOKE SYSTEM ACCESSORIES, ETC.			MC		MC				UNLESS FACTORY INSTALLED
DIFFUSERS AND GRILLES	LD				MC				
DIFFUSERS/GRILLES FIRE DAMPERS								●	
WALL FIRE DAMPERS			MC		MC				
COMBINATION FIRE/SMOKE DAMPERS								●	
LOW PRESSURE DUCTWORK			MC		MC				
RECTANGULAR TO ROUND DUCT ADAPTER			MC		MC				
HIGH/MEDIUM PRESSURE DUCTWORK			MC		MC				
DUCT SUPPORTS			MC		MC				
SEISMIC BRACING								●	
DUCT HEATER(S)								●	
UNIT HEATER(S)								●	
TOILET EXHAUST FAN(S) WITH TOGGLE DISCONNECT SWITCH	LD				MC				
TOILET EXHAUST DUCTWORK			MC		MC				
PIPING AND PIPING APPURTENANCES (CIRCUIT SETTERS, ETC.)								●	
BALANCE CONTRACTOR REPORT			GC						AABC OR NEBB CERTIFIED
AS-BUILT DRAWINGS			MC						
TEMPERATURE CONTROL SYSTEM COMPONENTS	AC				MC				FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
TEMPERATURE CONTROL SYSTEM WIRE	AC				MC				FINAL CONN. BY LL CONTROLS CONTRACTOR @ TENANT EXP.
YOUNG REGULATOR W/ BOWDEN CABLE			MC		MC				
LOCKING QUADRANT VOLUME DAMPER			MC		MC				
PNEUMATIC TUBING								●	
FIRE ALARM SHUTDOWN RELAY			FAC		FAC				WHERE APPLICABLE FOR FIRE ALARM SYSTEMS
RELIEF AIR DAMPER AND ACTUATOR								●	
RELIEF AIR FAN OR RETURN AIR FAN								●	
SMOKE EVACUATION			MC		MC				
OUTSIDE AIR INTAKE HOOD/LOUVER WITH DAMPER								●	
OUTSIDE AIR INTAKE DAMPER ACTUATOR								●	
RELIEF AIR HOOD OR LOUVER WITH COUNTER-BALANCED BACKDRAFT DAMPER								●	
ECONOMIZER DAMPER								●	
ECONOMIZER DAMPER ACTUATOR								●	
OUTSIDE AIR DAMPER								●	
OUTSIDE AIR DAMPER ACTUATOR								●	