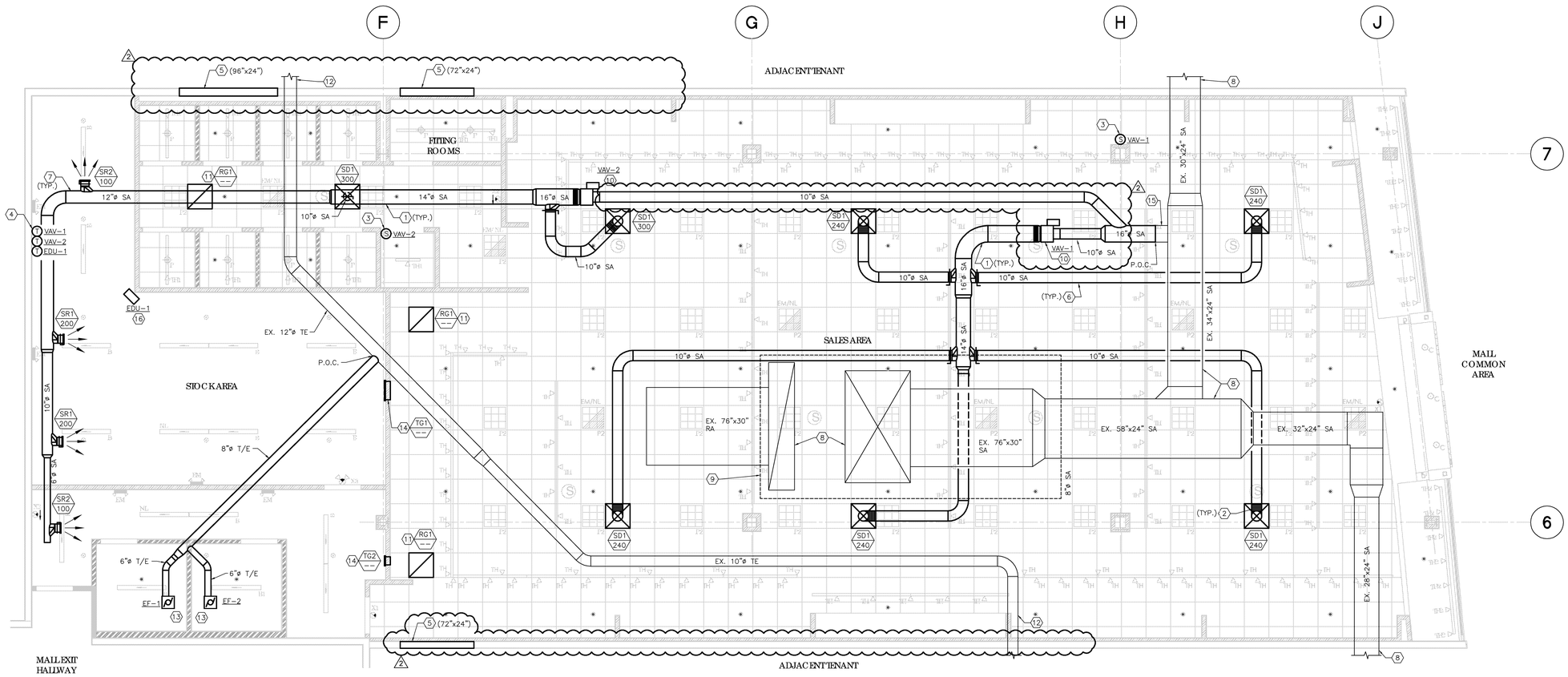

1 PLAN
MECHANICAL
SCALE: 1/4" = 1'-0"

HVAC SYMBOL LEGEND

R.D.	REFRIGERANT DISCHARGE LINE
R.S.	REFRIGERANT SUCTION LINE
O.A.	OUTDOOR AIR
R.A.	RETURN AIR
S.A.	SUPPLY AIR
T.E.	TOILET EXHAUST
R.A.G.	RETURN AIR GRILLE
DIFF.	DIFFUSER
M.D.	MANUAL DAMPER
F.C.	FLEXIBLE CONNECTION
F.D.	FIRE DAMPER

SUPPLY AIR DIFFUSER
RETURN AIR GRILLE
—D— CONDENSATE DRAIN LINE
M MOTORIZED DAMPER
S SMOKE DETECTION DEVICE
T THERMOSTAT
SD SMOKE DETECTOR
AIR DEVICE TYPE
AIR VOLUME IN CUBIC FEET/MINUTE (CFM)

HVAC RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED BY			REUSE EXISTING	N/A	REMARKS
	CR	LANDLORD	CONT'R	LANDLORD	CONT'R	OTHER			
VAV UNIT		MC		MC					
ECONOMIZER			MC		MC			*	
ROOF CURB, & LEVELING			MC		MC			*	
ROOFING, & CANT STRIP			MC		MC			*	
DIFFUSERS & GRILLES			MC		MC				
ALL DAMPERS			MC		MC				
ALL DUCTWORK			MC		MC				
DUCT SUPPORTS			MC		MC				
TEMPERATURE CONTROLS			MC		MC				*
DUCT SMOKE DETECTOR			MC		MC			*	
RELIEF AIR HOOD			MC		MC			*	
TOILET EXHAUST FAN			MC		MC				**
TOILET EXHAUST DUCT			MC		MC				
AIR BALANCE REPORT			MC		MC				
CONDENSATE PIPING			MC		MC			*	
AS-BUILT DRAWINGS			MC		MC				

MC MECHANICAL CONTRACTOR
EC ELECTRICAL CONTRACTOR
GC GENERAL CONTRACTOR
CR CHARLOTTE RUSSE

* WIRED BY MC
** WIRED BY EC
*** ALL ROOFING WORK TO BE PERFORMED BY LANDLORD'S ROOFING CONTRACTOR AT TENANT CONTRACTOR'S EXPENSE.

HVAC KEYED NOTES

1. NEW LOW PRESSURE SUPPLY AIR DUCT WITH 2" THICK EXTERNAL INSULATION (MIN. R-5) SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE TRANSITIONS AS REQUIRED. DUCT DIMENSIONS ARE CLEAR INTERNAL AIR PATH DIMENSIONS. HOLD ALL DUCTWORK AS HIGH AS POSSIBLE AND/OR PRACTICAL IN JOIST SPACE.
2. FLEXIBLE DUCT, MAXIMUM LENGTH 5'-0". PROVIDE SMOOTH TRANSITIONS AND PROPER SUPPORTS PER S.M.A.C.N.A. (TYPICAL). USE FLEXIBLE DUCT FOR FINAL RUNOUT TO DIFFUSER ONLY. REFER TO SCHEDULE FOR FLEXIBLE DUCT SIZES.
3. PROVIDE AND INSTALL REMOTE TEMPERATURE SENSORS IN LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL CONTRACTOR. MOUNTING HEIGHT 60" A.F.F. COORDINATE EXACT LOCATIONS WITH GENERAL CONTRACTOR.
4. NEW LANDLORD-SUPPLIED THERMOSTAT, INSTALLED BY CONTRACTOR @ 48" A.F.F. IN POSITION SHOWN. FINAL TEMPERATURE CONTROL WIRING CONNECTIONS TO THE VAV DEVICE SETS AND THE CENTRAL BAS CONTROL COMMUNICATIONS LOOP AND JUNCTION BOX WILL BE MADE BY LANDLORD'S BAS CONTRACTOR AT TENANT'S EXPENSE.
5. PROVIDE TRANSFER OPENING AT DEMISING WALL FOR MALL RETURN AIR. FIRE DAMPERS ARE NOT REQUIRED FOR OPENINGS ABOVE FINISHED CEILING. COORDINATE LOCATION OF OPENING WITH ADJACENT TENANT. SEE PLAN FOR SIZES. (2)
6. PROVIDE MANUAL VOLUME DAMPER AT ALL DIFFUSER CONNECTIONS (TYPICAL).
7. EXPOSED DUCT DOES NOT REQUIRE INSULATION.
8. ALL EXISTING DUCTWORK SHOWN IS EXISTING BY LANDLORD. AVOID WITH ALL NEW CONSTRTUCTION.
9. EXISTING ROOFTOP UNIT FOR SUPPLY AIR BY LANDLORD. AVOID WITH ALL NEW CONSTRTUCTION.
10. NEW VAV BOX PROVIDED BY LANDLORD AND INSTALLED BY CONTRACTOR AT TENANT'S G.C. EXPENSE. SEE EQUIPMENT SCHEDULE ON M2.0 FOR MORE INFORMATION. VERIFY EXACT LOCATION IN FIELD.
11. PROVIDE SHEET METAL PLENUM WITH ELBOW ABOVE RETURN GRILLE. PAINT INTERIOR FLAT BLACK.
12. EXISTING TOILET EXHAUST DUCT BY LANDLORD. FIELD VERIFY EXACT SIZE AND LOCATION.
13. PROVIDE AND INSTALL NEW TOILET EXHAUST FAN AS SPECIFIED ON SHEET M3. PROVIDE NEW DUCTING AS SPECIFIED ON SHEET M3.
14. PROVIDE RETURN AIR OPENING ABOVE CEILING. PROVIDE GRILLE ON SIDE OF WALL WITH FULL HEIGHT GYPSUM BOARD. INSTALL BLADES UP AND PAINT TO MATCH ADJACENT WALL.
15. EXISTING 16"ø SUPPLY TAP FOR VAV BOX BY LANDLORD. FIELD VERIFY EXACT LOCATION.
16. NEW ELECTRIC UNIT HEATER PROVIDED AND INSTALLED BY HVAC CONTRACTOR. SEE EQUIPMENT SCHEDULE ON M2.0 FOR MORE INFORMATION. COORDINATE LOCATION WITH GENERAL CONTRACTOR.

MECHANICAL GENERAL NOTES

PRE-BID: PRIOR TO SUBMITTING A PROPOSAL, THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY INSPECT EXISTING CONDITIONS TO ENSURE THAT WORK REPRESENTED ON DRAWINGS CAN BE INSTALLED AS INDICATED. COORDINATE DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS WITH THE TENANT OR HIS AUTHORIZED AGENT. COORDINATE THE EXTENSION, MODIFICATION, FINAL CONNECTION AND TESTING OF ALL UTILITIES OR INTERFACED SYSTEMS WITH THE LANDLORD'S FIELD REPRESENTATIVE.

ARRANGE WITH LOCAL AND STATE AUTHORITIES AND UTILITY COMPANIES FOR PERMITS, FEES, AND SERVICE CONNECTIONS FOR TEMPORARY AND PERMANENT WATER, SANITARY SEWER, STORM AND INDUSTRIAL WASTE SERVICES IF APPLICABLE, VERIFYING LOCATIONS AND ARRANGEMENT, AND PAY ALL CHARGES INCLUDING INSPECTIONS.

DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO ENCOMPASS A SYSTEM THAT WILL NOT INTERFERE WITH THE STRUCTURAL AND ARCHITECTURAL DESIGN OF THE BUILDING. COORDINATE WORK TO AVOID INTERFERENCE BETWEEN PIPING, EQUIPMENT, ARCHITECTURAL, AND STRUCTURAL WORK.

DEMOLITION: NO COMPONENTS MAY BE ABANDONED IN PLACE. ALL COMPONENTS THAT ARE NOT REUSED MUST BE REMOVED AND DISPOSED OF, COORDINATE DISPOSAL OF ALL REMOVED EQUIPMENT WITH THE LANDLORD.

PROVIDE THE ENTIRE OPERATING SYSTEM AND ITS COMPONENT ITEMS OF EQUIPMENT FREE OF OBJECTIONABLE VIBRATION OR NOISES. REFER TO ASHRAE HANDBOOK FOR RECOMMENDED NOISE CRITERIA (NC) UNLESS OTHERWISE NOTED. STATICALLY AND DYNAMICALLY BALANCE ROTATING EQUIPMENT, AND MOUNT OR FASTEN SO VIBRATION IS PRODUCED OR TRANSMITTED TO OR THROUGH THE BUILDING. IF OBJECTIONABLE NOISE OR VIBRATION IS PRODUCED OR TRANSMITTED TO OR THROUGHOUT THE BUILDING STRUCTURE BY EQUIPMENT, PIPING, DUCTS OR OTHER PARTS OF WORK, RECTIFY SUCH CONDITIONS AT NO ADDITIONAL COMPENSATION.

PROVIDE ADDITIONAL BALANCING DEVICES REQUIRED FOR COMPLETE SYSTEM BALANCING INCLUDING BUT NOT LIMITED TO VOLUME DAMPERS, VALVES, AND SHEAVES OR PULLEYS AT FANS.

VERIFY THE SIZE, LOCATION, AND CONDITION OF THE EXISTING PIPING BUILDING MANAGEMENT SYSTEM CONNECTION POINTS, AND OUTSIDE AIR CONNECTIONS. REPLACE EXISTING COMPONENTS IF THEY ARE INADEQUATE FOR THE NEW REQUIREMENTS.

COORDINATE ACCESS TO LANDLORD'S EQUIPMENT (VAV BOXES, FIRE DAMPERS, VOLUME DAMPERS, ETC) WITH LANDLORD'S GENERAL CONTRACTOR/REPRESENTATIVE

TENANT G.C. SHALL ENGAGE SEPARATE AABC CERTIFIED TEMPERATURE CONTROL CONTRACTOR FOR AIR BALANCING. GIVE TWO COPIES OF BALANCING REPORTED TO LANDLORD'S BUILDING ENGINEER.

ROBERT L. QUEATHEM
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charlotte russe

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SARASOTA, FL 34243
SPACE #: 210 STORE #: 786

REV	DATE	DESCRIPTION	NAME
	07/28/14	ISSUE TO PERMIT	BSH
1	10/06/14	ISSUE TO BID	

ELITE CONSTRUCTION GROUP
CONTACT: MIKE MAYES
PHONE: 970.285.0773
NOTE: THESE PRINTS HAVE SPECIFIC INSTRUCTIONS THAT SPECIFY WHAT BIDDERS WILL BE SUBCONTRACTING OUT TO SUBCONTRACTORS

PROJECT NO: 140584
DRAWN BY: BSH
CHECKED BY: SLP
ISSUE DATE: 07/28/14

MECHANICAL PLAN

M1