AIR DEVICE SCHEDULE

MARK	MAKE	MODEL	FACE SIZE	TYPE	DESCRIPTION	NOTES 1	2	3	4	5	6	7	8	9	10
A	TITUS	R-OMNI	AS REQ'D	SUPPLY	ROUND SUPPLY DIFFUSER	X					X		X	X	
B	TITUS	TDC	24X24	SUPPLY	CEILING LOUVERED FACE	X	X	X	X			X	X		
C	TITUS	50F	24X24	RETURN	CEILING EGGCRATE GRILLE		X	X		X		X	X		
D	TITUS	300RS	AS REQ'D	SUPPLY	SUPPLY GRILLE	X					X		X	X	
E	TITUS	350RL	AS REQ'D	RETURN	RETURN GRILLE	X					X		X	X	X
F	TITUS	T35Q	24X24	SUPPLY	CEILING LOUVERED FACE	X	X	X	X	X		X	X		

NOTES:
1. STEEL CONSTRUCTION.
2. COLOR WHITE ENAMEL FINISH.
3. MOUNTING FRAME TYPE SHALL BE COORDINATED WITH CEILING CONSTRUCTION TYPE.
4. DIFFUSER 4-WAY BLOW PATTERN UNLESS OTHERWISE NOTED ON PLANS.
5. FLEXIBLE DUCTS CONNECTING THE DIFFUSER SHALL BE FULL SIZE OR NECK DIAMETER.
6. WALL/DUCT MOUNTED AIR DEVICE. MOUNT SUPPLY AS HIGH AS POSSIBLE BELOW JOISTS. MOUNT RETURN AS HIGH AS POSSIBLE. PROVIDE TRANSITION ON NECK AS REQUIRED.
7. HOLD DOWN CLIPS.
8. VOLUME CONTROL DAMPER.
9. PRIME COAT AND PAINT TO MATCH ADJACENT SURFACES.
10. ORIENT GRILLE BLADES TO BLOCK VIEW INTO DUCT.

ROOFTOP UNIT SCHEDULE - EXISTING UNITS

MARK	MAKE	MODEL	TONS	SUPPLY CFM	OUTSIDE AIR CFM	E.S.P. (IN. W.C.)	HP	COOLING TOTAL (MBH)	COOLING SENS. (MBH)	COOLING EAT DB/WB	COOLING OAT DB	COOLING # STAGES	COOLING EER	COOLING IEER	COOLING SEER	HEATING INPUT (KW)	HEATING OUTPUT (MBH)	VOLTS/PHASE	MCA	MOCP	WEIGHT (LBS.) **	EXISTING ACCESSORIES 1	2	3	4	5	6	7	8	9	10	11	12	13	NEW WORK 14	15	16	17	18	19	20
RTU-1	LENNOX	LCA120H4BG2G	10.0	4000	360	0.5	3.0	133.3	77.2	80.9 / 69.7	93.6	2	ETR	ETR	-	22.5	76.8	480/3	40.0	40	ETR	X		X			X	X		X	X	X	X	X	X	X				
RTU-2	LENNOX	LCA120H4BG2G	10.0	4000	795/2005*	0.4	3.0	133.3	77.2	80.9 / 69.7	93.6	2	ETR	ETR	-	22.5	76.8	480/3	40.0	40	ETR	X		X		X	X	X		X	X	X	X	X				
RTU-3	LENNOX	LCA120H4BG2G	10.0	4000	360	0.5	3.0	133.3	77.2	80.9 / 69.7	93.6	2	ETR	ETR	-	22.5	76.8	480/3	40.0	40	ETR	X		X			X	X		X		X	X	X				
RTU-4	LENNOX	LCA120H4BG2G	10.0	4000	500	0.4	3.0	133.3	77.2	80.9 / 69.7	93.6	2	ETR	ETR	-	22.5	76.8	480/3	40.0	40	ETR	X		X			X	X		X	X	X	X	X				
RTU-5	LENNOX	LCA120H4BG2G	10.0	4000	795/2005*	0.4	3.0	133.3	77.2	80.9 / 69.7	93.6	2	ETR	ETR	-	22.5	76.8	480/3	40.0	40	ETR	X		X		X	X	X		X	X	X	X	X				
RTU-6	LENNOX	LCH036H4EE1P	3.0	1200	50	0.5	0.5	37.6	23.3	80.9 / 69.7	93.6	2	ETR	-	ETR	15.0	51.2	208/1	74.0	80	ETR	X		X				X	X				X	X		X				
RTU-7	LENNOX	LCH060H4EE1Y	5.0	2000	350	0.4	1.0	66.5	40.4	80.9 / 69.7	93.6	2	ETR	-	ETR	15.0	51.2	208/3	49.0	50	ETR	X	X	X			X	X	X				X	X						
RTU-8	LENNOX	LCH048H4EE1Y	4.0	1600	120	0.5	0.75	52.6	32.5	80.9 / 69.7	93.6	2	ETR	-	ETR	15.0	51.2	208/3	47.0	50	ETR	X		X				X	X				X	X						

EXISTING CONTROLS:
- EXISTING NOVAR EMS TO BE REUSED.
- EXISTING LENNOX PRODIGY CONTROLS.
- EXISTING TEMPERATURE, HUMIDITY AND CO2 SENSORS TO BE REUSED.

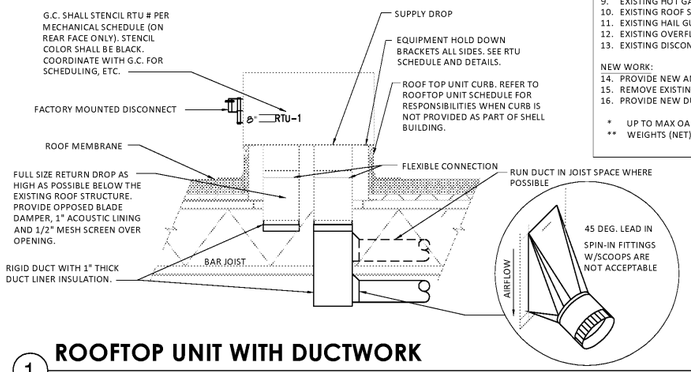
EXISTING ACCESSORIES:
1. EXISTING SIX (6) CURB ATTACHMENT BRACKETS FOR SEISMIC ZONES, AND HURRICANE ZONES WITHIN 50 MILES OF THE COAST BETWEEN BROWNSVILLE, TX AND VIRGINIA BEACH. REFER TO DETAIL THIS SHEET AND MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ENGINEERING CALCULATIONS.
2. EXISTING CONCENTRIC DIFFUSER PACKAGE. PAINT TO MATCH ADJACENT SURFACES.
3. EXISTING ECONOMIZER AND HOOD WITH BAROMETRIC RELIEF.
4. EXISTING MOTOR OPERATED DAMPER ON OUTSIDE AIR INTAKE HOOD ON UNITS WITHOUT ECONOMIZERS TO REMAIN.
5. EXISTING DEMAND CONTROL VENTILATION.
6. EXISTING SMOKE DUCT DETECTORS TO REMAIN. FIELD VERIFY OPERATION. COORDINATE MONITORING WITH FIRE ALARM CONTRACTOR.
7. EXISTING STRUCTURAL CURB TO REMAIN. CURBS SHALL BE SUITABLE FOR SEISMIC AND/OR WIND LOADING CONDITIONS OF PROJECT LOCATION.
8. EXISTING CURB ADAPTOR TO REMAIN. FIELD VERIFY EXISTING DIMENSIONS. REPLACE DUCT DROPS WHEN REPLACING RTU.
9. EXISTING HOT GAS REHEAT DEHUMIDIFICATION SYSTEM TO REMAIN.
10. EXISTING ROOF SCREENS TO REMAIN.
11. EXISTING HAIL GUARDS TO REMAIN.
12. EXISTING OVERFLOW CUT OFF FLOAT SWITCH KIT FOR UNITS THAT REQUIRE SECONDARY DRAIN PANS PER CODE. FIELD VERIFY.
13. EXISTING DISCONNECT SWITCH (NON FUSED) TO REMAIN.

NEW WORK:
14. PROVIDE NEW AND/OR RELOCATE EXISTING SPACE SENSORS. REFER TO PLANS.
15. REMOVE EXISTING CONCENTRIC DIFFUSER.
16. PROVIDE NEW DUCTWORK PER PLANS.

* UP TO MAX OA AS REQUIRED BY DCV. MINIMUM SETTING REPRESENTS 0.12 CFM/SF.
** WEIGHTS (NET) INCLUDES ACCESSORIES I.E. CURBS, ECONOMIZER, CONCENTRIC DIFFUSER PACKAGE IF APPLICABLE.

NOTES:
A. STATIC PRESSURE INDICATED ABOVE IS THE EXTERNAL STATIC PRESSURE WHICH EXCLUDES ANY PRESSURE DROPS WITHIN THE UNIT.
B. CONTRACTOR TO ENSURE THAT OUTDOOR AIR INTAKES ARE A MINIMUM OF 10'-0" AWAY FROM ANY EXHAUST FAN DISCHARGE, PLUMBING VENT OR OTHER CONTAMINANT SOURCE.
C. PERFORM TESTING AND BALANCING AND SUBMIT REPORTS TO THE ENGINEER.
D. UNIT SHALL BE CHARGED WITH REFRIGERANT TYPE R-22 OR R-410A (AS APPLICABLE).
E. PROVIDE CONDENSATE DRAIN PIPING TO AN APPROVED PLACE OF DISPOSAL AS REQUIRED BY LOCAL CODE.
F. CONTRACTOR SHALL PROVIDE TEMPORARY MINIMUM MERV 8 FILTRATION MEDIA AT EACH RETURN AIR OPENING IF RTU IS USED DURING CONSTRUCTION.
G. CONTRACTOR TO REPLACE FILTERS JUST PRIOR TO BALANCING, OCCUPANCY, AND START-UP. WRITE INSTALLATION DATE ON ALL FILTERS WITH PERMANENT MAGIC MARKER.

NOTE:
ALL UNITS ARE EXISTING TO BE FURNISHED AND RECONDITIONED TO GOOD WORKING/OPERATING CONDITION AS NECESSARY.

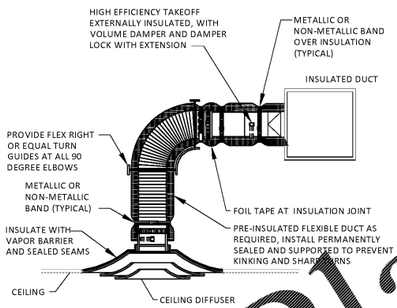


1 ROOFTOP UNIT WITH DUCTWORK
SCALE: NONE

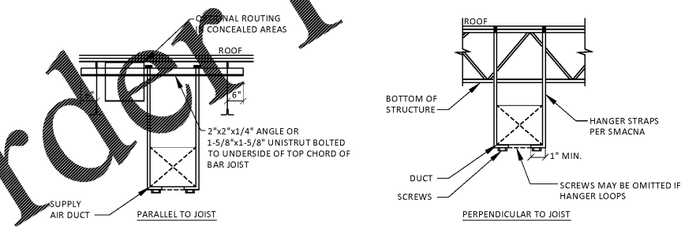
2 NOT USED
SCALE: NONE

3 NOT USED
SCALE: NONE

4 NOT USED
SCALE: NONE



5 LAY-IN DIFFUSER
SCALE: NONE



6 DUCT HANGER DETAILS
SCALE: NONE

7 RTU HOLD DOWN BRACKET
SCALE: NONE

HVAC RECONDITIONING WORK NOTES

HAC SHALL PERFORM RECONDITIONING WORK ON THE EXISTING ROOF TOP UNITS SERVING THE NEW OFFICE DEPOT SPACE. THE WORK SHALL INCLUDE BUT SHALL NOT BE LIMITED TO:

1. CLEAN AND COMB ALL COILS.
2. REPLACE ALL BELTS.
3. REPLACE RETURN AIR AND OUTSIDE AIR FILTERS.
4. RECHARGE REFRIGERANT SYSTEM.
5. OIL ALL MOTORS.

THE HAC SHALL BE FULLY RESPONSIBLE FOR COMPLIANCE WITH ALL STATE AND FEDERAL REGULATIONS RELATING TO CLEAN AIR AND/OR VENTING OF CFC AND/OR HCFC REFRIGERANTS UNTIL THE EQUIPMENT IS TURNED OVER TO OFFICE DEPOT FOR OPERATION AND MAINTENANCE. THE RESPONSIBILITY SHALL INCLUDE ALL WORK RELATED TO CHARGING AND/OR RECHARGING ANY AND ALL HVAC REFRIGERANT SYSTEMS.

MINI-SPLIT HVAC COASTAL AREA NOTE:

WITHIN 5 MILES OF THE COAST,

PROVIDE ANTI-CORROSION SPRAY COATING ON OUTDOOR MINI-SPLIT HVAC COILS EQUAL TO 'MODINE INSITU' PER THE FOLLOWING CRITERIA:

> 5,000 HOURS SALT SPRAY RESISTANCE PER ASTM B117
3 MONTHS WATER IMMERSION PER ASTM D870
HB-F PENCIL HARDNESS PER ASTM D3363
5B CROSS HATCH ADHESION SCALE PER ASTM D3359
500 HOURS HUMIDITY PER ASTM D2247
500 HOURS UV RESISTANCE PER ASTM D4587
PASSED 1/8 INCH MANDREL BEND (FLEXIBILITY) PER ASTM D522

DISASSEMBLE UNIT AND MASK OFF ALL OTHER COMPONENTS BEFORE SPRAYING COIL.

OUTDOOR VENTILATION AIR SCHEDULE

SPACE	CLASS.	AREA SF	# PEOPLE	CFM/SF	CFM/PERSON	CFM UNCORRECTED	CFM CORRECTED	CFM PROVIDED	RTU
SALES	RETAIL STORES, SALES FLOORS AND SHOWROOM FLOORS-SALES	17405	262	0.12	7.5	4054	4505	4510	RTU-2,4,5
RECEIVING	RETAIL STORES, SALES FLOORS AND SHOWROOM FLOORS-SHIPPING AND RECEIVING	2482	0	0.12	0	299	333	350	RTU-7
CLEANING CLOSET	PUBLIC SPACES-CORRIDORS	36	0	0.06	0	3	4	5	RTU-8
ASSOCIATE LOUNGE	OFFICES-OFFICE SPACES	455	3	0.06	5	43	48	50	RTU-8
HALLWAY	PUBLIC SPACES-CORRIDORS	279	0	0.06	0	17	19	20	RTU-8
STORAGE	PUBLIC SPACES-CORRIDORS	172	0	0.06	0	11	13	15	RTU-8
WORKONOMY (OPEN OFFICE)	OFFICES-OFFICE SPACES	3149	16	0.06	5	269	299	300	RTU-1,3,6
PRIVATE OFFICE 1	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-1
PRIVATE OFFICE 2	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-1
PRIVATE OFFICE 3	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-1
PRIVATE OFFICE 4	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-1
PRIVATE OFFICE 5	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-1
CONFERENCE ROOM 1	OFFICES-CONFERENCE ROOMS	221	8	0.06	5	54	60	60	RTU-1
CONFERENCE ROOM 2	OFFICES-CONFERENCE ROOMS	202	8	0.06	5	53	58	60	RTU-3
MANAGER OFFICE	OFFICES-OFFICE SPACES	115	1	0.06	5	12	14	15	RTU-8
CASH OFFICE	OFFICES-OFFICE SPACES	77	1	0.06	5	10	12	15	RTU-8
PRIVATE OFFICE 6	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-3
PRIVATE OFFICE 7	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-3
PRIVATE OFFICE 8	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-3
PRIVATE OFFICE 9	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-3
PRIVATE OFFICE 10	OFFICES-OFFICE SPACES	122	1	0.06	5	13	15	15	RTU-3
WORKONOMY (FUTURE OFFICE)	OFFICES-OFFICE SPACES	2044	11	0.06	5	178	198	200	RTU-1,3
TOTAL		26148					5754	5800	

MINI SPLIT HVAC SCHEDULE (ALTERNATE BID #1)

MARK	MAKE	MODEL	UNIT TYPE	AIRFLOW CFM	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	ELECTRICAL DATA VOLTAGE / PHASE / HZ	MCA	MOCP	HSPF / SEER	WEIGHT (LBS.)	NOTES / ACCESSORIES
AC-1	LENNOX	MWMB01254-3P	WALL MOUNTED	370 /275 / 200	12,000	12,000	208 / 1 / 60	-	-	11.0 / 22.7	20	2, 3, 4, 5
CU-1	LENNOX	MPB01254S-1P	CONDENSING UNIT	-	12,000	12,000	208 / 1 / 60	12.0A	15A		80	1, 2, 3, 4
AC-2	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-	10.8 / 23.5	20	2, 3, 4, 5
CU-2	LENNOX	MPB00954S-1P	CONDENSING UNIT	-	9,000	9,000	208 / 1 / 60	10.0A	15A		70	1, 2, 3, 4

1. INSTALL ON EQUIPMENT MOUNTING RAILS EQUAL TO THYCURB TEMS-1, SECURELY FASTENED TO ROOF STRUCTURE. ENSURE UNIT IS LEVEL.
2. PROVIDE WITH WIRED PROGRAMMABLE THERMOSTAT LENNOX MOSTAT64Q-1.
3. COORDINATE INSTALLATION WITH THE ELECTRICAL CONTRACTOR. OUTDOOR UNIT SUPPLIES POWER TO INDOOR UNIT.
4. R-410A REFRIGERANT.
5. CONDENSATE PUMP 'DIVERSITECH' MINI-SPLIT PUMP - 4 US GALLONS PER HOUR, 20 FT. LIFT - 115 V (LENNOX CATALOG NO. Y7946). REFER TO PLUMBING FOR MORE INFORMATION.

MINI SPLIT HVAC SCHEDULE (ALTERNATE BID #2)

MARK	MAKE	MODEL	UNIT TYPE	AIRFLOW CFM	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	ELECTRICAL DATA VOLTAGE / PHASE / HZ	MCA	MOCP	HSPF / SEER	WEIGHT (LBS.)	NOTES / ACCESSORIES
AC-1	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-	10.2 / 22.4	20	2, 3, 4, 5
AC-2	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-		20	2, 3, 4, 5
AC-3	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-		20	2, 3, 4, 5
AC-4	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-		20	2, 3, 4, 5
AC-5	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-		20	2, 3, 4, 5
CU-1	LENNOX	MPB04854M-1P	CONDENSING UNIT	-	48,000	48,000	208 / 1 / 60	35.0A	50A		230	1, 2, 3, 4
AC-1	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-	10.2 / 22.4	20	2, 3, 4, 5
AC-2	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-		20	2, 3, 4, 5
AC-3	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-		20	2, 3, 4, 5
AC-4	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-		20	2, 3, 4, 5
AC-5	LENNOX	MWMB00954-3P	WALL MOUNTED	370 /275 / 200	9,000	9,000	208 / 1 / 60	-	-		20	2, 3, 4, 5
CU-1	LENNOX	MPB04854M-1P	CONDENSING UNIT	-	48,000	48,000	208 / 1 / 60	35.0A	50A		230	1, 2, 3, 4

1. INSTALL ON EQUIPMENT MOUNTING RAILS EQUAL TO THYCURB TEMS-1, SECURELY FASTENED TO ROOF STRUCTURE. ENSURE UNIT IS LEVEL.
2. PROVIDE WITH WIRED PROGRAMMABLE THERMOSTAT LENNOX MOSTAT64Q-1.
3. COORDINATE INSTALLATION WITH THE ELECTRICAL CONTRACTOR. OUTDOOR UNIT SUPPLIES POWER TO INDOOR UNIT.
4. R-410A REFRIGERANT.
5. CONDENSATE PUMP 'DIVERSITECH' MINI-SPLIT PUMP - 4 US GALLONS PER HOUR, 20 FT. LIFT - 115 V (LENNOX CATALOG NO. Y7946). REFER TO PLUMBING FOR MORE INFORMATION.

Order Plans @ WWW.LDLine.com

ARCHITECTURAL DESIGN•GUILD
2710 South Blvd.
St. Louis, MO 63143
www.adg-stl.com
Ph: 314.644.1234
Fx: 314.644.4373
COF. #32786
EXP. 2/28/2019
ALL ARCHITECTURAL AND ENGINEERING DRAWINGS ARE IN CONFIDENCE AND DISSEMINATION MAY NOT BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED

OWNER
Office DEPOT OfficeMax
6600 NORTH MILITARY TRAIL
BOCA RATON, FL 33496
PHONE: (561) 438-6299
FAX: (561) 438-7237

PROJECT
Office DEPOT
STORE #0409
4901 N. FEDERAL HIGHWAY
BOCA RATON, FL 33431
ISSUE DATE: 11/09/2018
STORE NUMBER: #0409
LEASABLE AREA: 29,701 S.F.
GROSS FLOOR AREA: 28,752 S.F.
JOB NUMBER: 2018.0120.00

ISSUE
ISSUED FOR BID	11/09/18

SEAL
JOHN M. BRUNS LICENSE No. 54430 STATE OF FLORIDA PROFESSIONAL ENGINEER
JOHN M. BRUNS #54430 | EXP. 02/28/2019

SHEET
MECHANICAL SCHEDULES AND DETAILS
DRAWN: DJH
CHECKED: JMB
M301

FILE NAME:[2018.0120 M00] - Mechanical Schedules and Details.dwg] DATE:[11/9/18] TIME:[4:03 PM] USER:[Stephanie Raney]