

A  
three inches = one foot

B  
one and one-half inches = one foot

C  
one inch = one foot



D  
three-quarters inch = one foot



E  
one-half inch = one foot

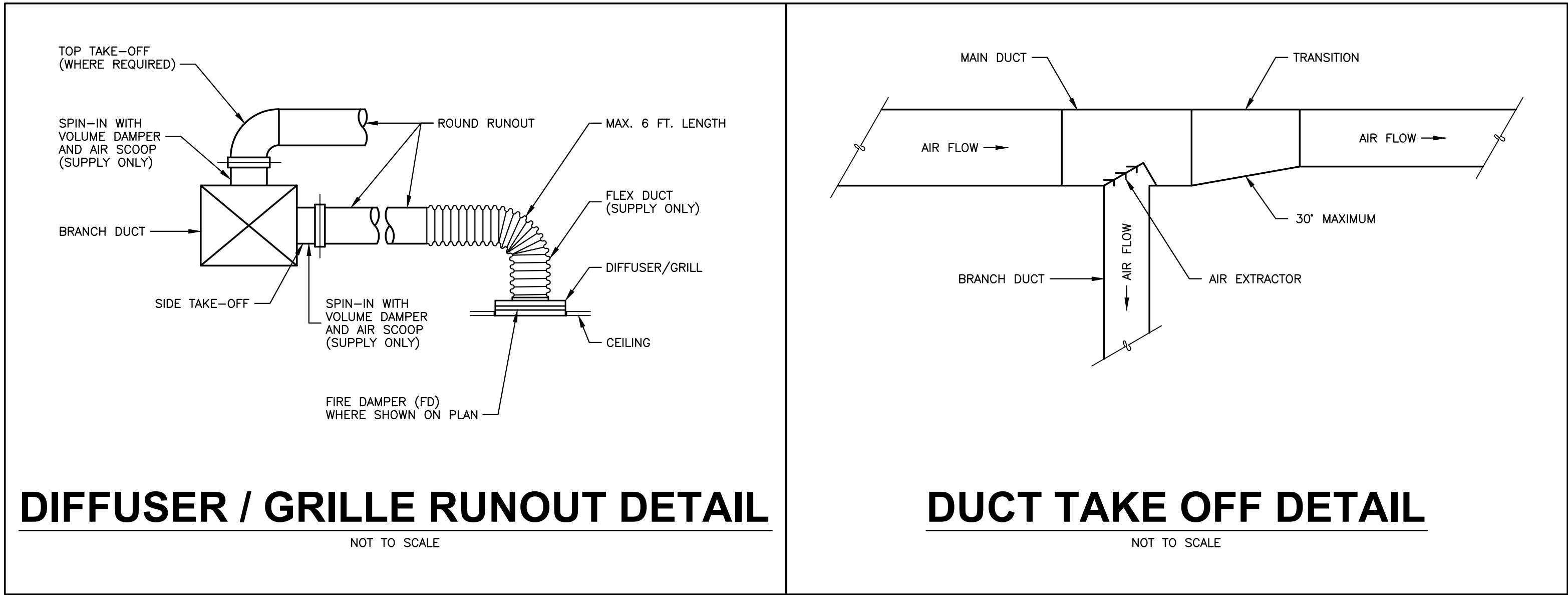
F  
three-eighths inch = one foot

one-quarter inch = one foot


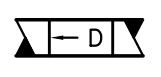


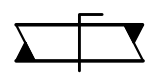

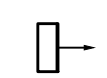





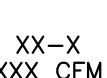
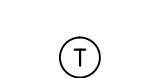

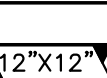

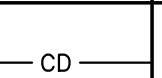
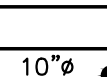

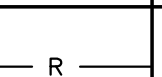


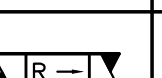
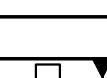
one-eighth inch = one foot

BUILDING 110																	
DUCTLESS AIR CONDITIONING EQUIPMENT SCHEDULE																	
MARK NO.	NOMINAL FAN CFM	MINIMUM OSA CFM	COOLING CAPACITY				MANUFACTURER (OR APPROVED EQUAL)	INDOOR UNIT DATA				OUTDOOR UNIT DATA					NOTES
			SENS. CAP. MBH	TOTAL CAP. MBH	COND. E.A.T.	EVAP. E.W.B. TEMP		VOLTAGE	MODEL NO.	FAN MOTOR FLA	MCA	VOLTAGE	MODEL NO.	COMP RLA	MCA	MOCP	
	1060	—	25.9	35.0	95	80/67	14.2	208/230-1-60	PLA-A36	1.0	2.0	208/230-1-60	PUY-A36	12.0	25.0	40.0	SEE BELOW
	1060	—	25.9	35.0	95	80/67	14.2	208/230-1-60	PLA-A36	1.0	2.0	208/230-1-60	PUY-A36	12.0	25.0	40.0	SEE BELOW
<div><div>1</div>UNIT TO INCLUDE A WALL MOUNTED 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER THERMOSTAT WITH SUB-BASE AND LOCKING COVER.</div> <div><div>2</div>UNIT TO BE CEILING CASSETTE WITH FACTORY CONDENSATE PUMP.</div> <div><div>3</div>INDOOR UNIT TO RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD-SUPPLIED INTERCONNECTED WIRING.</div>																	


BUILDING 801																	
DUCTLESS AIR CONDITIONING EQUIPMENT SCHEDULE																	
MARK NO.	NOMINAL FAN CFM	MINIMUM OSA CFM	COOLING CAPACITY				MANUFACTURER (OR APPROVED EQUAL)	INDOOR UNIT DATA				OUTDOOR UNIT DATA					NOTES
			SENS. CAP. MBH	TOTAL CAP. MBH	COND. E.A.T.	EVAP. E.W.B. TEMP		VOLTAGE	MODEL NO.	FAN MOTOR FLA	MCA	VOLTAGE	MODEL NO.	COMP RLA	MCA	MOCP	
	1060	—	25.9	35.0	95	80/67	14.2	208/230-1-60	PLA-A36	1.0	2.0	208/230-1-60	PUY-A36	12.0	25.0	40.0	SEE BELOW
	1060	—	25.9	35.0	95	80/67	14.2	208/230-1-60	PLA-A36	1.0	2.0	208/230-1-60	PUY-A36	12.0	25.0	40.0	SEE BELOW
<div><div>1</div>UNIT TO INCLUDE A WALL MOUNTED 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER THERMOSTAT WITH SUB-BASE AND LOCKING COVER.</div> <div><div>2</div>UNIT TO BE CEILING CASSETTE WITH FACTORY CONDENSATE PUMP.</div> <div><div>3</div>INDOOR UNIT TO RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD-SUPPLIED INTERCONNECTED WIRING.</div>																	



## HVAC LEGEND, NOTES, SCHEDULES, AND DETAILS

HVAC LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING DIFFUSER — SUPPLY RECTANGULAR WITH ROUND NECK 4-WAY THROW UNLESS OTHERWISE INDICATED		DUCT DROP IN DIRECTION OF ARROW		45° VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
	CEILING DIFFUSER — RETURN RECTANGULAR WITH SQUARE NECK		MANUAL VOLUME DAMPER OPPOSED BLADE		VANED TEE (PROVIDE ALL SQUARE OR RECTANGULAR TEES WITH VANES EVEN IF SYMBOL IS MISSING)
	SIDEWALL DIFFUSER — SUPPLY WITH MULTI-VANE DEFLECTOR		HORIZONTAL MOUNTED FIRE DAMPER		STANDARD DUCT SIZE TRANSITION
	SIDEWALL DIFFUSER — RETURN WITH 30° FIXED DEFLECTION		VERTICAL MOUNTED FIRE DAMPER		STANDARD SQUARE TO ROUND TRANSITION
	DIFFUSER TAG REFERENCE SCHEDULE FOR SIZING		THERMOSTAT LOCATION		CONNECTION TO EXISTING
	NEW RECTANGULAR DUCT WIDTH X DEPTH		STANDARD 90° RADIUS ELBOW		HVAC CONDENSATE DRAIN PIPING
	NEW ROUND DUCT DIAMETER		STANDARD 45° RADIUS ELBOW		HVAC REFRIGERANT LINE
	FLEXIBLE DUCT CONNECTION		90° VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)		DUCT RISE IN DIRECTION OF ARROW
	ACCESS DOORS VERTICAL OR HORIZONTAL				

HVAC NOTES	
1	ALL DIMENSIONS SHOWN ARE NET INTERNAL.
2	INSTALL OPPOSED BLADE BALANCING DAMPERS IN ALL NEW DIFFUSERS AND GRILLES.
3	THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE HVAC SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL REQUIREMENTS OF THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH. ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE HVAC SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE CONTRACT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
4	COORDINATE DUCTWORK AND PIPING WITH STRUCTURAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS, ETC. COORDINATE WITH OTHER TRADES WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
5	REFER TO ARCHITECTURAL CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES; COORDINATE EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS WITH ARCHITECTURAL AND INTERIOR REFLECTED CEILING PLANS AND LIGHTING FIXTURES. FOR PARTICULAR ITEMS NOT SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN, PREPARE A DRAWING AND PRESENT IT TO THE ARCHITECT FOR HIS REVIEW AND/OR APPROVAL.
6	COORDINATE ALL ROOF AND SLAB PENETRATIONS WITH THE STRUCTURAL ENGINEER. TRANSITIONS RECTANGULAR DUCTWORK ON THE BOTTOM AND THE SIDES. MAINTAIN DUCTWORK LEVEL AND AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.
7	PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES, REGISTERS, AND DIFFUSERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
8	CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
9	CONTRACTOR TO COORDINATE ALL CEILING TYPES WITH DIFFUSERS. ALL DIFFUSERS IN GYPSUM CEILING SHALL INCLUDE PLASTER FRAME.
10	ALL DISTRIBUTION DEVICES SHALL HAVE FACE OPERABLE DAMPERS. ALL DIFFUSER RUNOUTS SHALL INCLUDE SPIN-IN WITH DAMPER IN ROUND DUCTS.
11	CONDENSATE DRAIN LINES RUNNING HORIZONTALLY SHALL BE SLOPED 1/4" PER FOOT DOWN IN THE DIRECTION OF FLOW AS INDICATED.
12	ALL THERMOSTATS TO BE AUTOMATIC CHANGE OVER TYPE AND SHALL INCLUDE LOCKING THERMOSTAT COVERS.
13	ALL THERMOSTATS TO BE MOUNTED 4'-0" A.F.F. TO HIGHEST OPERABLE CONTROL UNLESS OTHERWISE INDICATED.
14	FLEXIBLE DUCT (SUPPLY RUNOUTS ONLY) SHALL NOT EXCEED 6'-0" IN LENGTH.
15	DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE: RECTANGULAR SUPPLY: 1-1/2" EXTERNAL ROUND SUPPLY: 1-1/2" EXTERNAL FLEXIBLE SUPPLY: 1" PRE INSULATED RECTANGULAR RETURN: 1-1/2" EXTERNAL OSA/EXHAUST: 1-1/2" EXTERNAL
16	INSULATE TOP SIDE/BACK OF ALL DIFFUSERS/GRILLES, ETC.
17	DUCTWORK SHALL BE GALVANIZED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
18	THE CONTRACTOR SHALL INSTALL THE CURB-MOUNTED EQUIPMENT IN SUCH A WAY THAT NO WATER LEAKAGE IS INTRODUCED INTO THE BUILDING.
19	PAINT ALL EXTERIOR EXPOSED ARMAFLEX INSULATION FOR UV PROTECTION.
20	ALL REFRIGERANT LINES SHALL BE SIZED/APPROVED BY THE EQUIPMENT VENDOR/COMPRESSOR MANUFACTURER.
21	ALL 3/4" AND 1" CONDENSATE DRAIN TRAPS SHALL BE EZ-TRAP OR APPROVED EQUAL WITH FLOAT SWITCH.
22	THE HVAC CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS FOR FINAL LOCATIONS OF ALL RATED WALLS, CEILINGS, FLOORS, ETC. THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL FIRE OR FIRE/SMOKE DAMPERS IN ALL RATED LOCATIONS WHETHER SHOWN ON MECHANICAL PLANS OR NOT.
23	THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL A SMOKE DETECTOR FOR FIRE SHUT DOWN IN ALL UNITS 2000 CFM AND ABOVE AND IN ALL UNITS SERVING EXIT ACCESS CORRIDORS REGARDLESS OF SIZE.
24	MECHANICAL CONTRACTOR IS TO REVIEW THE ENTIRE SET OF PLANS FOR COORDINATION WITH OTHER TRADES. SHOP DRAWINGS WITH ALL TRADES COORDINATED WILL BE REQUIRED.
25	LABEL ALL DUCTS WITH ARROWS INDICATING DIRECTION OF AIR FLOW.
26	WARRANTIES SHALL BEGIN AT DATE OF SUBSTANTIAL COMPLETION. ALL COMPRESSORS SHALL INCLUDE MIN. OF FIVE YEAR WARRANTY. ONE YEAR WARRANTY FOR LABOR, PARTS, UNITS, ETC. IS REQUIRED FOR ALL EQUIPMENT.
27	DUCT SHALL BE INSULATED WITH 1-1/2" DUCT WRAP EQUAL TO CERTAINTED SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 75 WITH MINIMUM INSTALLED R-VALUE 4.2. DUCTS LOCATED WITHIN THE ATTIC SHALL BE INSULATED WITH 2" DUCT WRAP EQUAL TO CERTAINTED SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 100 WITH MINIMUM INSTALLED R-VALUE 6.0.

Revisions		Date	<b>ENGINEERS:</b>				Professional Stamp/Seal		<b>ARCHITECT:</b>		Drawing Title		SECURITY ENHANCEMENTS		Date		Office of	
			<b>MCE</b> MILLS-CONOLY ENGINEERING, P.C.						<b>Wesseldyk + Associates</b>		HVAC LEGEND, NOTES, SCHEDULES, AND DETAILS		BLDG 110 +801		01-23-2013		Facilities	
			WHORTON ENGINEERING, INC.						Architecture		Approved		BLDG 801 UPTOWN (UD)		FINAL		Management	
			HVAC - PLUMBING - PROCESS CONTROL						Planning		Approved		BLDG 801 DOWNTOWN (DD)		509-12-106			
			8218 Old Federal Road Montgomery, AL 36117 25 SUMMERALL GATE ROAD ANNISTON, ALABAMA 36205						Consulting				Scale		AS NOTED		Drawn/Checked	
			TELEPHONE: (334) 270-0010 FAX: (334) 270-0040 PH 256/820-9897 FAX 256/820-9896						1465 Northside Drive N.W. Suite 215 Atlanta, GA 30318 ph: 404-855-7923				Drawn/Checked		RDW		DRA	
													Location		AUGUSTA, GA		Dwg. 48 of 143	
																	Department of	
																	Veterans Affairs	