AIR DEVICE SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	STYLE	FRAME TYPE	FACE SIZE	NOTES
CD1	SUPPLY AIR	TUTTLE & BAILEY E.H.PRICE CARNES	M SMD SKFA	ROUND NECK CEILING DIFFUSER	SURFACE MOUNT	REFER TO DRAWINGS	B, E, I, L, M, N
DBS-4	SUPPLY AIR (4 WAY DROP BOX)	AES INDUSTRIES INC	ADB-1-10-4	DROP BOX DIFFUSER	---	---	A, G, H
RAG	RETURN AIR	TUTTLE & BAILEY E.H.PRICE CARNES	CRE500 80TB RAPAH	1/2"x1/2"x1/2" EGGCRATE CEILING GRILLE	LAY-IN	24"x24"	C, D, E, F
RAG1	RETURN AIR	TUTTLE & BAILEY E.H.PRICE CARNES	CRE500 80F RAPAF	1/2"x1/2"x1/2" EGGCRATE CEILING GRILLE	SURFACE MOUNT	REFER TO DRAWINGS	C, E, I, M, N

VOLUME / BALANCE DAMPER SCHEDULE

TYPE	MANUFACTURER / MODEL
ROUND	AES / WMVCD RUSKIN / VMR5D25
RECTANGULAR	AES / AMDH RUSKIN / VMD25

GENERAL INFORMATION (ALL DEVICES)
1. INSTALL BOTTOM OF WALL MOUNTED AIR DEVICES AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
2. BALANCE DAMPER CONTACTS:
   AES - (800) 788-0402
   RUSKIN - (816) 761-7476

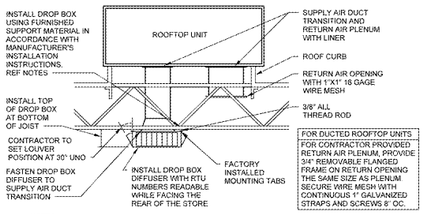
NOTES:
A. 6-WAY (DB1-DB3) OR 4-WAY (DB4-DB6) THROW UNLESS SHOWN OTHERWISE WITH FLOW ARROWS ON PLAN.
B. ALL STEEL CONSTRUCTION.
C. ALL ALUMINUM CONSTRUCTION
D. BRANCH DUCT SIZE SHALL BE SAME AS NOTED DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
E. STANDARD WHITE FINISH.
F. PROVIDE NECK FOR DUCT CONNECTION.
G. DROP BOX DIFFUSERS FURNISHED BY OWNER INSTALLED BY CONTRACTOR. REFERENCE SPECIFICATIONS.
H. PROVIDE INTEGRAL OPPOSED BLADE DAMPERS ON ALL DRUM LOUVERS ON DROP BOXES WITH BRANCH DUCTWORK ATTACHED TO THE SUPPLY PLENUM.
I. PROVIDE MANUFACTURER'S OPPOSED BLADE DAMPER ACCESSIBLE THROUGH FACE UNLESS NOTED OTHERWISE.
J. PROVIDE WITH FASTENERS FOR COMPLETE (NON-HINGED) REMOVABILITY OF GRILLE. DO NOT PROVIDE FILTER UNLESS NOTED OTHERWISE.
K. TWO 2" SLOTS WITH MANUFACTURER'S INSULATED PLENUM (TUTTLE & BAILEY LP, PRICE JSPI, CARNES CXPC.)
L. REFER TO PLANS FOR DIRECTIONAL ARROWS INDICATING CFM THROWS FOR PROPER GRILLE SELECTION
M. PROVIDE ROUND NECK ADAPTER
N. PROVIDE CEILING TRANSITION REGISTER BOX WITH 16" OR 24" PLATE FOR ROUGH-IN

MECHANICAL SYMBOLS

18"x12"	RECTANGULAR DUCT 18" WIDE BY 12" DEEP
12" Ø	12" DIAMETER ROUND DUCT
	SUPPLY DUCT IN SECTION
	RETURN OR EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	TEE WITH TURNING VANES
	ROUND (OR OVAL) ELBOW
	VOLUME/BALANCE DAMPER
	SUPPLY AIR DIFFUSER WITH ROUND SUPPLY DUCT
	RETURN OR EXHAUST AIR DIFFUSER WITH ROUND DUCT
24"x24" CD1 410	BRANCH DUCT AND/OR NECK SIZE DIFFUSER OR GRILLE TYPE CFM
T	THERMOSTAT
S	TIMER
S-X	TEMP SENSOR
	CONNECT TO EXISTING
ETR	EXISTING TO REMAIN
FD	FIRE DAMPER

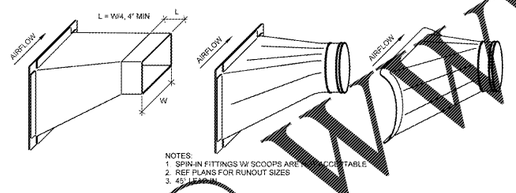
KEYNOTES

15.700	REMOVE AIR DEVICES AND DUCTWORK SHOWN DASHED UNLESS OTHERWISE NOTED AND CAP OFF DUCTWORK TO REMAIN. PATCH AND REPAIR DUCTWORK AS NEEDED INCLUDING SEALING DUCTWORK TO REMAIN PER SPECIFICATIONS.
15.702	REMOVE EXHAUST FAN AND ASSOCIATED DUCTWORK. CAP EXISTING CURB TO REMAIN WITH WATER TIGHT SEAL. REF ARCHITECTURAL CURB COVER DETAIL.
15.705	CONNECT TO EXISTING SUPPLY/RETURN DUCTWORK INDICATED.
15.715	CONNECT NEW DUCTWORK TO EXISTING SUPPLY DUCTWORK. REDISTRIBUTE AIR FROM EXISTING DUCTWORK TO MATCH NEW CFM REQUIREMENTS. FIELD VERIFY LOCATION OF EXISTING DUCTWORK.



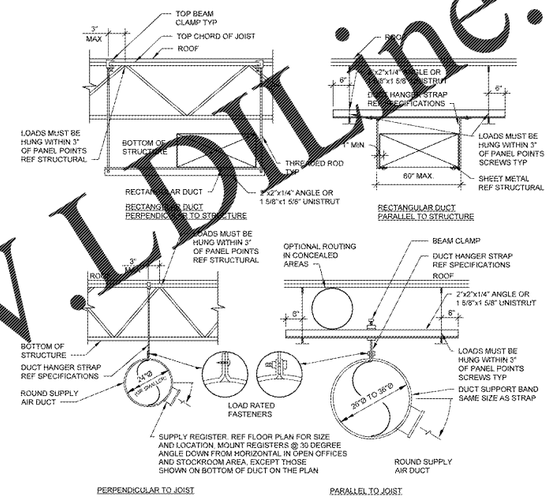
NOTES:
1. SUPPORT MATERIAL (ANGLES, UNISTRUT, BOLTS, NUTS, WASHERS AND PRE-CUT ALL-THREAD) IS FURNISHED BY DROP BOX MANUFACTURER FOR CONTRACTOR INSTALLATION.
2. INSTALL DROP BOX SUPPORTS PARALLEL TO MOUNTING TABS ON DROP BOX.
3. SUPPORTS SHALL SPAN BETWEEN ADJACENT JOISTS. PROVIDE ADDITIONAL SUPPORT MATERIAL AS REQUIRED IF OBSTRUCTIONS PREVENT INSTALLATION SHOWN.

6 STOCKROOM RTU DROP BOX
NTS

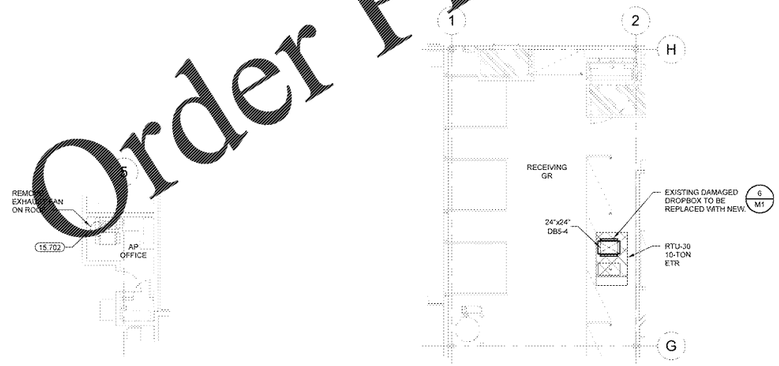


NOTES:
1. SPIN-IN FITTINGS W/ SCOOPS ARE RECOMMENDABLE.
2. REF PLANS FOR RUNOUT SIZES
3. 45° TAKEOFFS

5 HIGH EFFICIENCY BRANCH DUCT FITTING
NTS

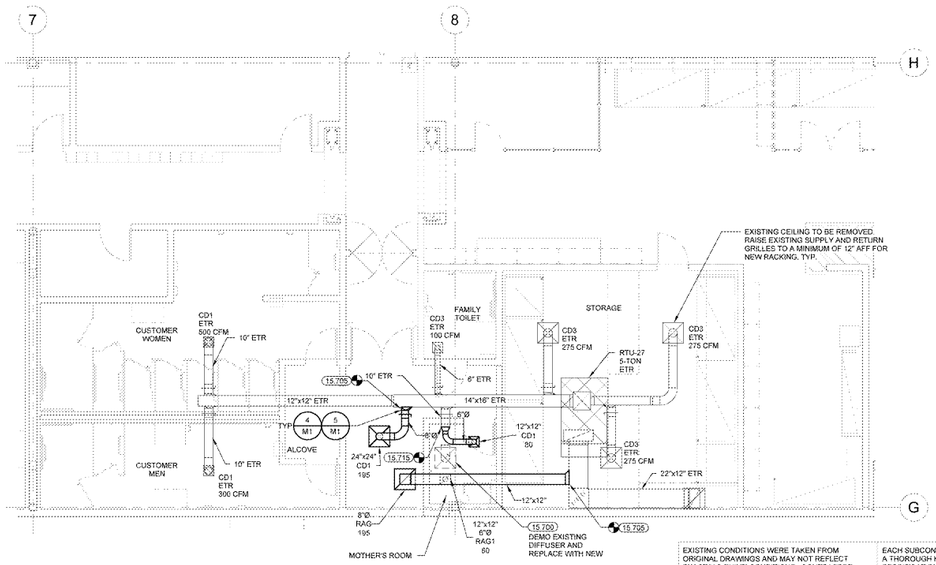


4 DUCT SUPPORT AND GRILLE
12" = 1'-0"



3 AP OFFICE MECHANICAL DEMO PLAN
1/8" = 1'-0"

2 ENLARGED MECHANICAL PLAN
1/8" = 1'-0"



1 REAR OFFICE AREA MECHANICAL PLAN
3/16" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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PROTO CYCLE	10/25/19
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NOT FOR CONSTRUCTION

ENLARGED MECHANICAL PLANS, DETAILS, AND SCHEDULES

SHEET: M1