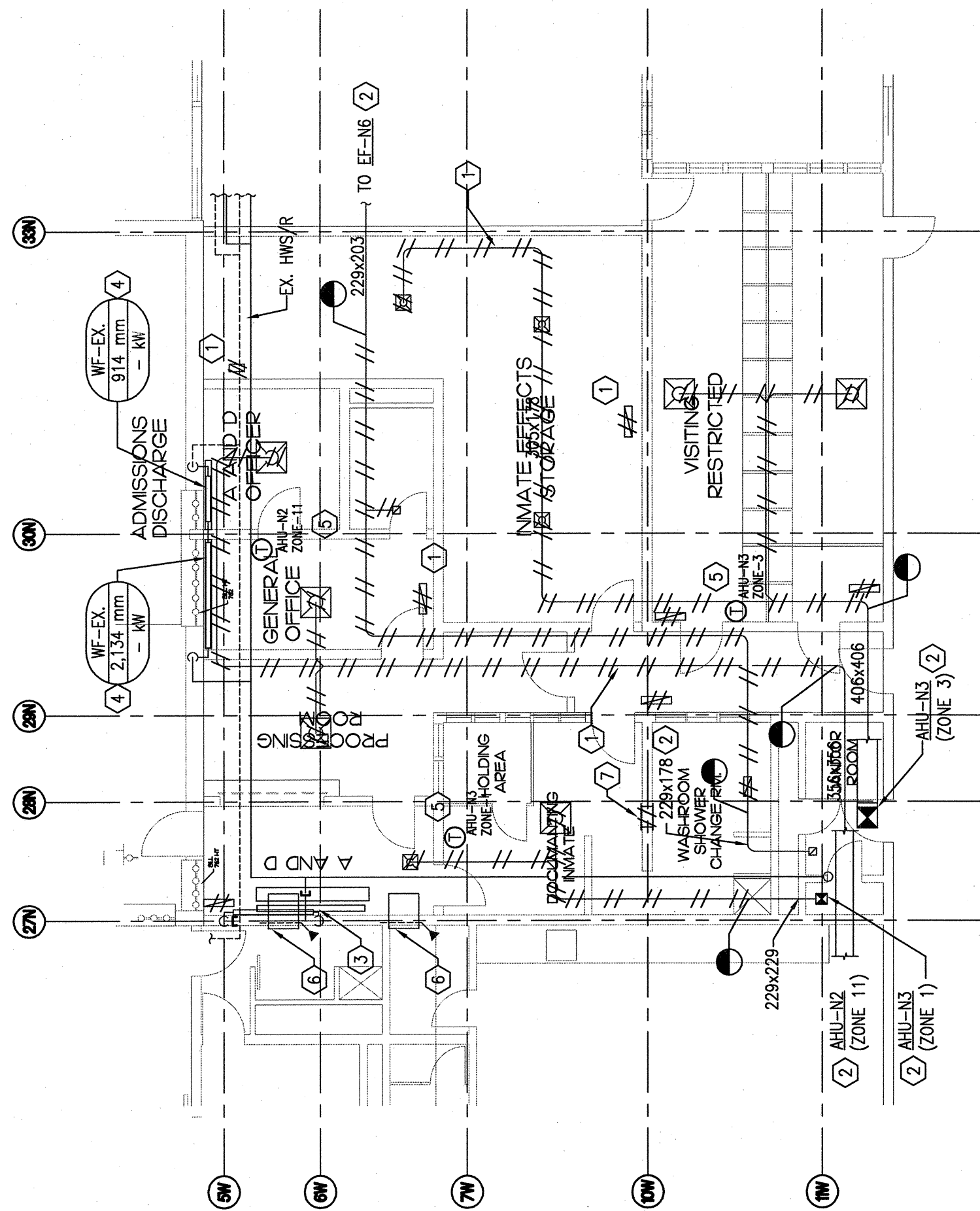


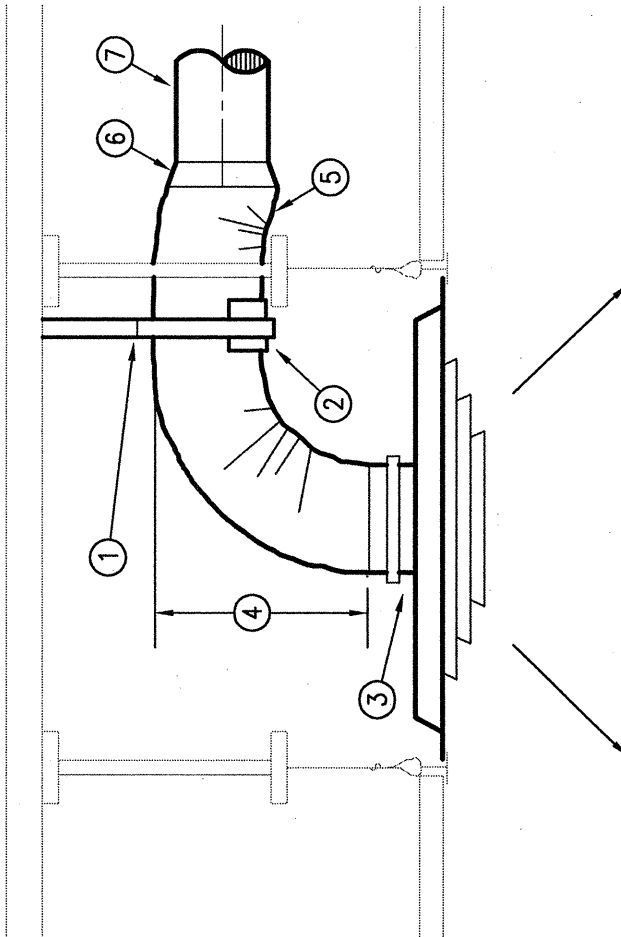
- ① REMOVE EXISTING DUCTWORK AND GRILLS/DIFFUSERS.
- ② EXISTING DUCTWORK TO REMAIN.
- ③ REMOVE EXISTING RADIATION AND CAP PIPING. COORDINATE WITH GENERAL CONTRACTOR TO MAKE GOOD EXISTING FIRE SEPARATION WALL AND MAINTAIN FIRE RESISTIVE RATING.
- ④ REMOVE EXISTING WALL FIN ENCLOSURE. EXISTING WALL FIN ELEMENT TO REMAIN. PROTECT FROM DAMAGE DURING RENOVATION.
- ⑤ EXISTING THERMOSTAT TO BE RELOCATED.
- ⑥ EXISTING 610x305 WALL OPENING C/W FIRE DAMPER TO REMAIN.
- ⑦ REMOVE EXISTING TRANSFER AIR GRILLES.

GENERAL DEMOLITION NOTES:

1. INFORMATION IS BASED ON AVAILABLE RECORD DRAWINGS. CONTRACTORS SHALL VERIFY ON SITE PRIOR TO DEMOLITION.
2. REMOVE HAZARDOUS MATERIALS UNDER THE MECHANICAL DIVISIONS (21, 22, 23, 25) IN ACCORDANCE WITH SPECIFICATIONS AND WORKSAFEBC PROCEDURES. HAZARDOUS MATERIAL UNDER THESE DIVISIONS INCLUDE BUT NOT LIMITED TO DUCT MASTIC, PIPE ELBOWS, PLUMBING CASINGS.

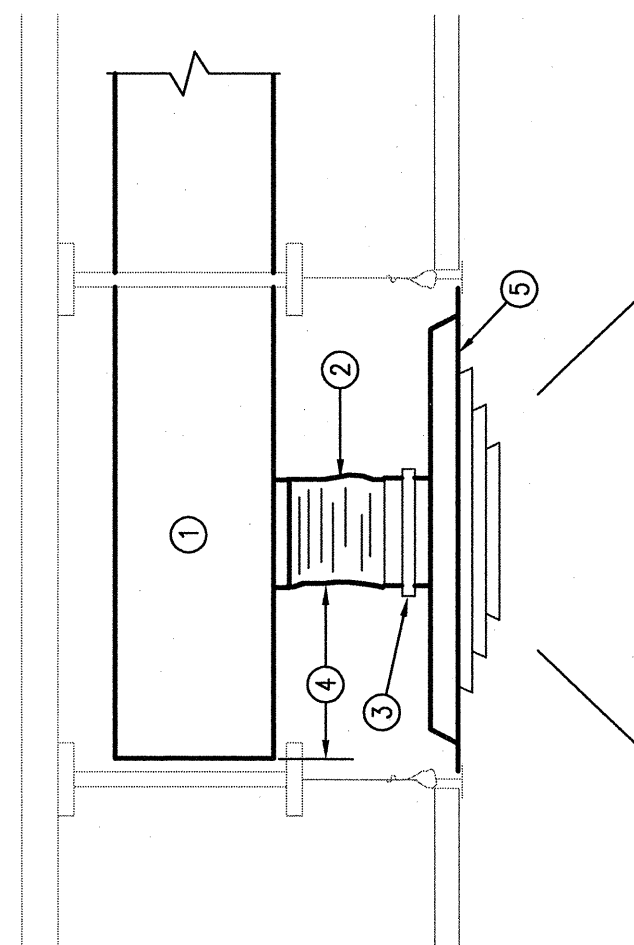


PARTIAL MAIN FLOOR PLAN - DEMOLITION



1. SUPPORT FLEXIBLE DUCT CLOSE TO DISPOSER WITH DUCT STRAP
2. 100mm(4") SHEET METAL SHIELD TO PREVENT PINCHING
3. PLASTIC ELECTRICAL TIE AND DUCT SEALANT TO NECK
4. PROVIDE DUCT TRANSITION UPSTREAM OF FLEXIBLE DUCT IF SHEET METAL DUCT SIZE IS DIFFERENT FROM NECK SIZE
5. METAL DUCT SIZE AS NOTED ON DRAWING. WHERE BRANCH DUCT SIZE IS NOT NOTED ON THE DRAWING, DUCT SHALL BE SIZED PER "SUPPLY BRANCH DUCT SIZE SCHEDULE".

NOTE:
IF CEILING SPACE DOES NOT PERMIT 2 NECK
DIAMETERS CLEARANCE, (ie. MIN. 30" FOR 12"
DIFFUSERS) USE RIGID SHEET METAL DUCT WITH
CUSHION HEAD.

FLEXIBLE DUCT/DIFFUSER CONNECTION
UNITS

1. RIGID STEEL DUCT
2. FLEXIBLE DUCT AS SPECIFIED.
MAX. LENGTH 1829mm(6'-0").
FLEXIBLE DUCT SHALL BE THE SAME
SIZE AS DIFFUSER CONNECTION.
3. PLASTIC ELECTRICAL TIE AND
DUCT SEALANT TO NECK
4. TWO NECK DIA. MIN. OFFSET
5. DIFFUSER AS SCHEDULED

FLEXIBLE DUCT/DIFFUSER CONNECTION
N.T.S.

SUPPLY BRANCH DUCT SIZE SCHEDULE				
NECK SIZE	IN.	(mm)	GW	ARTION RANGE
				I/S
6"	6"	152.4	0 - 110	0 - 52
8"	8"	203.2	111 - 220	53 - 104
10"	10"	254.0	221 - 330	105 - 156
12"	12"	304.8	331 - 450	157 - 212

NOTES:

1. REFER TO SCHEDULE WHERE SIZES ARE LISTED FOR SUPPLY BRANCH DUCT 610mm [2'-0"] UPSTREAM OF DUCT 610mm [2'-0"] DOWNSTREAM WITHIN 610mm [2'-0"] FROM DUCT 610mm [2'-0"] DOWNSTREAM. THE SAME LENGTH OF FLEXIBLE DUCT SHALL BE THE SAME SIZE AS DUCTER NECK.
2. REFER TO FLEXIBLE DUCT/USER CONNECTION DETAILS.

1. REFER TO SCHEDULE WHERE SIZES ARE NOT NOTED ON DRAWING. APPLICABLE FOR SUPPLY BRANCH DUCT 610mm [2'-0"] UPSTREAM OF DIFFUSER.
2. DUCTWORK WITHIN 610mm [2'-0"] FROM DIFFUSER NECK, INCLUDING THE ENTIRE LENGTH OF FLEXIBLE DUCT, SHALL BE THE SAME SIZE AS DIFFUSER NECK.
3. REFER TO "FLEXIBLE DUCT/DIFFUSER CONNECTION" DETAIL S.

TRANSFER GRILLE (TG-1, RTG-1) SCHEDULE			
MODEL SIZE	ARROW RANGE		
IN.	mm	CW	U/S
24"x8"	610x203	0 - 310	0 - 146
24"x12"	610x305	311 - 550	147 - 260
24"x24"	610x610	551 - 1,200	261 - 566

NOTES:

1. APPLICABLE FOR TRANSFER GRILLES (TG) AND NON-DUCTED (RTG) FOR BAR GRIDS INSTALLATIONS. NECK SIZE SHALL BE 50mm [2"] SMALLER THAN MODEL SIZE.
2. SEE SCHEDULE FOR GRILLE DIMENSIONS.
3. SIZE FOR SCHEDULE UNLESS OTHERWISE NOTED ON DRAWING.

1. APPLICABLE FOR TRANSFER GRILLES (TG) AND NON-DUCTED RETURN AIR TRANSFER GRILLES (RTG).
2. FOR T-BAR CEILING INSTALLATIONS, NECK SIZE SHALL BE 50mm [2"] SMALLER THAN MODULE SIZE.
3. SIZE PER SCHEDULE UNLESS OTHERWISE NOTED ON DRAWING.

TRANSFER GRILLE (TQ-2, RTQ-2) SCHEDULE			
NECK SIZE		AIRFLOW RANGE	
IN.	mm	CM ²	U/S
6" x 6"	152x152	0 - 70	0 - 33
8" x 8"	203x203	71 - 150	34 - 71
10" x 10"	254x254	151 - 420	72 - 113
12" x 12"	305x305	241 - 360	114 - 170
14" x 14"	356x356	361 - 490	171 - 231
15" x 15"	406x406	491 - 640	232 - 302

NOTES:

1. APPLICABLE FOR TRANSFER GRILLES (TQ) AND NON-DUCTED RECIPIER AIR TRANSFER GRILLES (RTQ).
2. AIRFLOW RANGE IN CM² AND U/S.
3. SEE SCHEDULE UNLESS OTHERWISE NOTED ON DRAWINGS.

NOTES:

1. APPLICABLE FOR TRANSFER GRILLES (TG) AND NON-DUCTED RETURN AIR TRANSFER GRILLES (RTG).
2. FOR DRYWALL CEILING INSTALLATIONS.
3. SIZE PER SCHEDULE UNLESS OTHERWISE NOTED ON DRAWING.

**LEGEND, SCHEDULES,
PARTIAL MAIN FLOOR PLAN
DEMOLITION - HVAC**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.018361.001	M-1	0

ABBREVIATIONS	
ABBREV.	DESCRIPTIONS
AF	ABOVE FINISHED FLOOR
AJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AL	ALUMINUM
BDD	BACKDRIFT DAMPER
BLDS	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
CAV	CONSTANT AIR VOLUME
CC	COOLING COIL
CHG/R	CHILLED WATER SUPPLY & RETURN PIPING
CON	CONNECTOR
CONC.	CONCRETE
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME
DDC	DIRECT DIGITAL CONTROL
DLA	DAMETER
DN	DOWN
DIFFS	DIFFERENTIAL PRESSURE SENSOR
DWS	DRAWING
DX	DIRECT EXPANSION
EA, E/A	EXHAUST AIR
EF	EXHAUST FAN
ELEV.	ELEVATION
EX.	EXISTING
FC	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMP
HC	HEATING COIL
HWS/R	HOT WATER SUPPLY & RETURN PIPING
MCA	MINIMUM CIRCUIT AMPS
MDCP	MAX. OVER-CURRENT PROTECTION
NC	NOISE CRITERIA
NC	NOT IN CONTRACT
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OA, O/A	OUTDOOR AIR
O.C.	ON CENTRE
OPNG	OPENING
P.D.	PRESSURE DROP
PICV	PRESSURE INDEPENDENT CONTROL VALVE
PIV	PRESSURE REDUCING VALVE
RA, R/A	RETURN AIR
RE & RE	REMOVE & REINSTALL
RE & REL	REMOVE & RELOCATE
RE & REP	REMOVE & REPLACE (WITH NEW)
REL/A	RELIEF AIR
RF	RETURN FAN
SA, S/A	SUPPLY AIR
SF	SUPPLY FAN
SPEC.	SPECIFICATIONS
SS	STAINLESS STEEL
TP.	TYPICAL
U/G	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
U/R	UP THROUGH ROOF
VW	VARIABLE AIR VOLUME
VO	VOLUME DAMPER
WF	WALL FIN

MECHANICAL SYMBOLS		DESCRIPTIONS
	EXISTING DUCTWORK	EXISTING DUCTWORK
	DUCTWORK TO BE REMOVED	DUCTWORK
	FLEXIBLE DUCT	
	DUCTWORK 1/4" 35mm ACOUSTICAL LINER	
	DUCTWORK 1/2" 50mm ACOUSTICAL LINER	
	DUCTWORK 1" 25mm DUCT INSULATION	
	SUPPLY DUCT RISER/SECTION	
	RETURN/EXHAUST DUCT RISER/SECTION	
	OUTDOOR AIR DUCT RISER/SECTION	
	FLEXIBLE DUCT CONNECTOR	
	TRANSFER AIR OPENING	
	DUCT DROP	
	DUCT RISE	
	VOLUME DAMPER	
	FIRE DAMPER IN VERTICAL SEPARATION	
	FIRE DAMPER IN HORIZONTAL SEPARATION	
	FIRE & SMOKE DAMPER	
	SMOKE DAMPER	
	BACKDRAFT DAMPER	
	MOTORIZED DAMPER	
	REHEAT COIL	
	AIRFLOW DIRECTION	
	RETURN/EXHAUST AIRFLOW DIRECTION	
	SUPPLY AIRFLOW DIRECTION	
	TEMPERATURE SENSOR	
	THERMOSTAT	
	SMOKE DETECTOR (BY ELEC. DIVISION)	
	MANUAL WALL SWITCH	
	DOOR GRILLE (TYPE AS DESIGNATED)	
	HOT WATER SUPPLY	
	HOT WATER RETURN	
	ISOLATION VALVE	
	GLOBE VALVE	
	ANGLE GLOBE VALVE	
	CHECK VALVE	
	STRAINER	
	DRAW W/ CAP & CHAIN	
	2-WAY CONTROL VALVE, MODULATING	
	2-WAY CONTROL VALVE, 2-POSITION	
	3-WAY CONTROL VALVE, MODULATING	
	3-WAY CONTROL VALVE, 2-POSITION	
	SOLENOID VALVE	
	BALANCING VALVE	
	CALIBRATED BALANCING VALVE	
	AUTOMATIC FLOW LIMITING VALVE	
	HOSE BIBB OR GAUGE COCK	
	FILLET'S PLUG	
	TEMPERATURE & PRESSURE RELIEF VALVE	
	PRESSURE REDUCING VALVE	
	AUTOMATIC AIR VENT W/ ISOLATION VALVE	
	PPE CAP	
	PIPE FLANGE	
	UNION	
	POINT OF CONNECTION	
	POINT OF DISCONNECTION	
	EQUIPMENT TAG	
	AIR DISTRIBUTION TAG	
	AIRFLOW 1/5 (METRIC) OR CFM (P)	
	RADIANT PANEL & WALL FIN TAG	