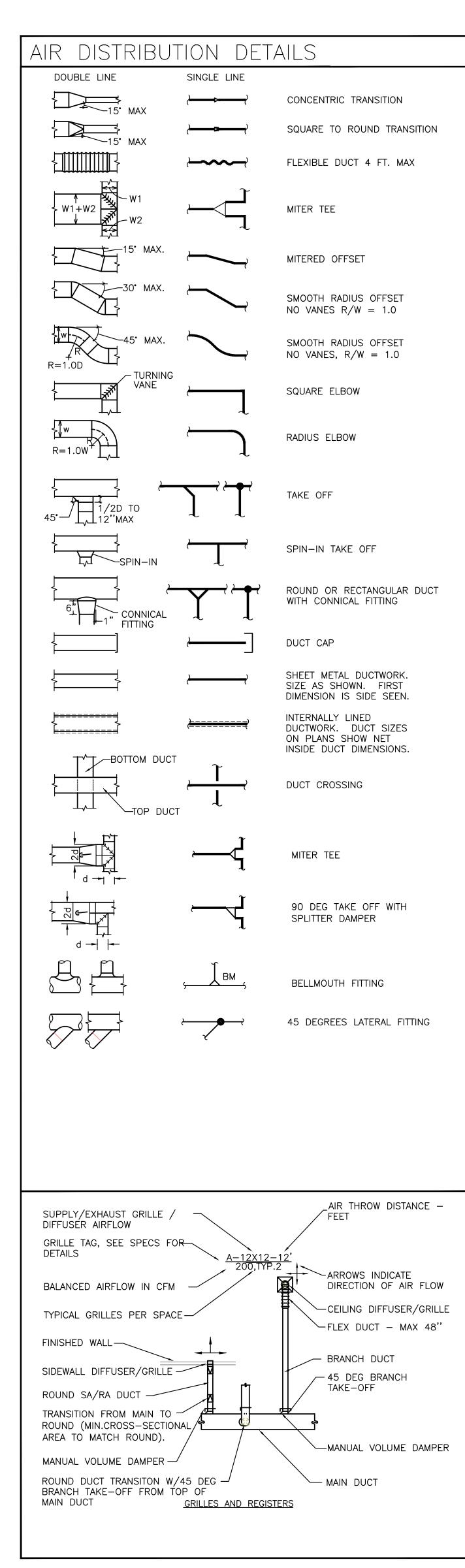
MECHANICAL LEGEND					
	SUPPLY AIR DIFFUSER			ABOVE FINISH FLOOR	
	RETURN AIR GRILLE	B.D.	В	NR HANDLING UNIT BOTTOM OF DUCT	
	······EXHAUST AIR GRILLE	BTU ·	В	BRAKE HORSEPOWER BRITISH THERMAL UNITS	
	·······PERFORATED RETURN AIR PANEL	CONN.	····· C	CUBIC FEET PER MINUTE	
	DIRECTIONAL AIR FLOW	0.11		CONTINUATION OMESTIC COLD WATER	
1	······································	DB ·	····· D	DRY BULB DIAMETER	
	SUPPLY AIR OR OUTSIDE AIR	DIST.	D	ISTRIBUTION ISTAUST AIR	
	DUCT UP & DOWN	EDB ·	E	INTERING DRY BULB TEMPERATURE	
	RETURN AIR DUCT UP & DOWN	EWT ·	····· E	NTERING WATER TEMPERATURE	
	DUCT UP & DOWN	FIXT.	•••••• F	INISH FLOOR IXTURE	
	SUPPLY AIR OR OUTSIDE AIR	FPS ·	F	EET PER MINUTE EET PER SECOND	
$\tilde{O}$	RETURN AIR DUCT UP & DOWN	GA.	G	EET / FOOT GAUGE	
$\tilde{\langle}$	EXHAUST AIR	H ·		GALLONS PER MINUTE IEIGHT	
	DUCT UP & DOWN		Н	IORSEPOWER NSIDE DIAMETER	
(E) ···	EXISTING	IN.	····· IN	NCHES ENGTH	
(N) ···	NEW		····· P	POUNDS EAVING DRY BULB	
(D) ···	DEMOLISH	LWB	····· LI	EAVING WET BULB EAVING WATER TEMPERATURE	
(R) ···	REPLACE	MAX.	····· M	IAXIMUM	
••••••••••••••••••••••••••••••••••••••	CONNECT TO EXISTING	MIN.	····· M	HOUSANDS OF BTUS PER HOUR	
(T)AC-4 ···	THERMOSTAT OR TEMP. SENSOR	N.C.	····· N	IOISE CRITERIA IORMALLY CLOSED	
?	NOTE	NO.	····· N	IOT IN MECHANICAL IUMBER	
		OA ·	····· 0	IORMALLY OPEN DUTSIDE AIR	
$\langle XX \rangle$	EQUIPMENT DESIGNATOR	P ·	····· P	PUTSIDE AIR PERSON	
ıdı	BALL VALVE	P/T		20UNDS PER SQUARE INCH 2RESSURE / TEMPERATURE	
	GATE VALVE	RA	····· R	RETURN AIR RELIEF AIR	
·· آگا	CHECK VALVE	RECT.		RECTANGULAR	
<u></u>	BALANCING VALVE	SA ·	····· S	SUPPLY AIR STATIC PRESSURE	
μ···	THERMOMETER	SQ.	····· S		
	DIRECTION OF FLOW	TYP.	Т		
	······································	W ·		VIDTH	
	······STRAINER		····· W	VATER PRESSURE DROP	
Q	PRESSURE GAUGE	٣			
	PETE'S PLUG			- (E) EXISTING	
	VACUUM BREAKER	<b>— — -</b> -		- (D) DEMOLISH	
Þ	DOUBLE CHECK ASSEMBLY			- NEW WORK	
	PRESSURE REDUCING VALVE		- G	– (G) NATURAL GAS	
			- CD	– (CD) CONDENSATE DRAIN	
			- RF	– (RF) TWO OR THREE REFRIGERANT LINES	
<b>–</b>	······································		HWS	- EXISTING HOT WATER SUPPLY	
s)	SMOKE DETECTOR		HWR	- EXISTING HOT WATER RETURN	
	GMOTORIZED DAMPER		HWS	- NEW HOT WATER SUPPLY	
	-/		HWR	- NEW HOT WATER RETURN	
	······FIRE DAMPER				
$\bigcirc$	FIRE / SMOKE DAMPER	г   			
S ·	······SMOKE DAMPER			EQUIPMENT MAINTENANCE CLEARANCE AND ACCESS	
← /	PIPE SLOPE DIRECTION	Ĺ	ii		
<u>CO</u>	CO2 SENSOR				
SP ···	DIFFERENTIAL PRESSURE TRANSMIT	TER			
BDD ··	BACKDRAFT DAMPER				
M ··	MOTORIZED DAMPER				



ME	ECHANICAL GENERAL NOTES
A.	THE DRAWINGS ARE DIAGRAMMATIC. PROVIDE ALL MATERIAL (NEW AND UNDAMAGED) AND LABOR FOR A COMPLETE AND OPERABLE SYSTEM. VERIFY ALL BUILDING MEASUREMENTS DIMENSIONS AND EQUIPMENT LOCATIONS BEFORE PROCEEDING WITH ANY OF THE WORK.
В.	REFER TO THE MECHANICAL SPECIFICATIONS FOR MATERIALS, EQUIPMENT, AND ADDITIONAL CONSTRUCTION INSTRUCTIONS NOT COVERED BY THESE PLANS.
C.	ALL INSTALLATIONS SHALL COMPLY WITH APPLICABLE FEDERAL AND STATE CODES INCLUDING, 2014 OREGON STRUCTURAL SPECIALTY CODE (OSSC) INCLUDING APPENDIX N FOR OREGON FIRE CODE REGULATIONS, 2017 OREGON PLUMBING SPECIALTY CODE (OPSC), 2014 OREGON MECHANICAL SPECIALTY CODE (OMSC), 2014 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC), AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). WHERE TWO CODES DIFFER THE MORE STRICT OF THE TWO SHALL BE FOLLOWED.
D.	OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES HAVING JURISDICTION. SUBMIT ALL CERTIFICATES PRIOR TO ACCEPTANCE.
E.	COORDINATE WITH OTHER CRAFTS AS REQUIRED TO COMPLETE WORK IN ACCORDANCE WITH CONSTRUCTION SCHEDULE.
F.	PROVIDE OWNER INSTRUCTION BY QUALIFIED PERSONNEL ON EQUIPMENT AND SYSTEMS AT OWNER'S REQUEST.
G.	AIR BALANCE DIFFUSERS AND GRILLES TO THE CFM INDICATED ON FLOOR PLANS.
Н.	PROVIDE MANUAL BALANCING DAMPERS ON BRANCH DUCTS SERVING DIFFUSERS AND GRILLES.
١.	PROVIDE DIFFUSER, REGISTERS, AND GRILLES OF SIZE AND TYPE INDICATED.
J.	INSULATE SUPPLY AIR, OUTSIDE AIR AND RETURN AIR DUCTWORK OR INTERNALLY LINE SUPPLY AIR AND RETURN AIR DUCTWORK AS SHOWN ON PLANS AND PER MECHANICAL SPECIFICATIONS.
К.	ALL DUCTWORK SHALL BE GALVANIZED STEEL, UNLESS OTHERWISE INDICATED, CONFORMING TO LATEST SMACNA, ASHRAE, OMSC, NFPA, AND UL STANDARDS.
L.	MANUFACTURERS AND MODEL NUMBERS LISTED IN THE EQUIPMENT SCHEDULES ARE THE BASIS OF DESIGN.
м.	CUT WALLS FOR PROPER EQUIPMENT, DUCT OR PIPE INSTALLATION. FILL HOLES WHICH ARE CUT OVERSIZED FOR A TIGHT FIT AROUND OBJECTS PASSING THROUGH. PATCH AND SEAL FINISHES TO MATCH NEW OR EXISTING FINISHES.
N.	INSTALL LABELS ON ALL MECHANICAL EQUIPMENT.
0.	CONTROLS AND WIRING SHALL MEET ALL ELECTRICAL REQUIREMENTS OF APPLICABLE ELECTRICAL SPECIFICATIONS AND REQUIREMENTS OF OWNER, BUILDING OFFICIALS AND EQUIPMENT SUPPLIERS OF EQUIPMENT INSTALLED ON PROJECT.
Ρ.	ELECTRIC MOTORS SHALL HAVE BUILT-IN THERMAL OVERLOAD PROTECTION OR BE PROTECTED EXTERNALLY WITH SEPARATE THERMAL OVERLOAD DEVICES, WITH LOW-VOLTAGE RELEASE OR LOCK OUT AS REQUIRED.
Q.	ALL NEW EQUIPMENT, PIPING, CONDUIT, AND DUCTWORK SHALL BE INSTALLED FOR CURRENT SEISMIC CODE.
R.	PROVIDE LOW LEAK AUTOMATIC DAMPERS ON OUTSIDE AIR, EXHAUST AIR AND RELIEF AIR CONTROL DAMPERS WHERE THESE ARE INDICATED.

	DIFFUSER A
TAG	ТҮРЕ
А	SUPPLY DIFFUSER, PERFORATGED ADJUSTA
В	RETURN GRILLE, PERFORATED FACE
С	SUPPLY GRILLE - DOUBLE DEFLECTION
D	RETURN/EXHAUST GRILLE - SIDEWALL
NOTES:	
[1]	PROVIDE NECK SIZE AS SHOWN ON PLANS.
[2]	PROVIDE BLADES PARALLEL TO THE LONG D
[3]	PROVIDE BORDER FOR SURFACE MOUNT OR
[4]	NOT USED.
[5]	PROVIDE BLOW CONFIGURATION AS SHOWN

## \_ NOTES

OUCT OR PIPE INSTALLATION. FILL HOLES TO MATCH NEW OR EXISTING FINISHES. JIPMENT.

	LOCATION - NOTES	MANUFACTURER: MODEL
ABLE BLADES	CEILING - [1][3][5]	TITUS PMC
	CEILING - [1][3][4]	TITUS PAR
	SIDEWALL - [1][2]	TITUS 300RL
	SIDEWALL -[1][2]	TITUS 350RL
DIMENSION AT SIDE	WALL GRILLES	

DIMENSION AT SIDEWALL GRILLES. TILE CEILING AS REQUIRED BY CEILINGS.

N ON PLANS. THE INDICATED THROW DISTANCE IS FOR 4 WAY BLOW ONLY.

MECHANICAL GENERAL DEMO. NOTES

A. ALL EXISTING/DEMO INFORMATION ON DRAWINGS IS BASED OFF RECORD DRAWINGS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EQUIPMENT, DUCTWORK, PIPING, AND ASSOCIATED SIZE AND LOCATIONS ON SITE PRIOR TO THE NOTED DEMOLITION WORK.

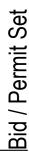
B. REMOVE ALL CONTROL DEVICES AND CONTROL CONDUITS/WIRES WHERE EXPOSED BELOW OR IN THE CEILING PLENUM ABOVE IN THE REMODELED AREA REQUIRING NEW CONTROLS.







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