

BEND RESEARCH, INC

CORPORATE PLACE FACILITY - BUILDING EXPANSION NORTH

MECHANICAL LEGEND	
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	PERFORATED RETURN AIR PANEL
	DIRECTIONAL AIR FLOW
	MANUAL VOLUME DAMPER
	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
	RETURN AIR DUCT UP & DOWN
	EXHAUST AIR DUCT UP & DOWN
	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
	RETURN AIR DUCT UP & DOWN
	EXHAUST AIR DUCT UP & DOWN
	VAV TERMINAL UNIT
	WT TERMINAL UNIT
	EXISTING
	CONNECT TO EXISTING
	THERMOSTAT OR TEMP. SENSOR
	NOTE
	EQUIPMENT DESIGNATOR
	BALL VALVE
	GATE VALVE
	CHECK VALVE
	BALANCING VALVE
	THERMOMETER
	DIRECTION OF FLOW
	PUMP
	STRAINER
	PRESSURE GAUGE
	PETE'S PLUG
	DOUBLE CHECK ASSEMBLY
	PRESSURE REDUCING VALVE
	UNION
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	CAP
	SMOKE DETECTOR
	MOTORIZED DAMPER
	RED/GREEN LIGHT PRESSURE INDICATOR
	AFF ABOVE FINISH FLOOR
	AHU AIR HANDLING UNIT
	B.D. BOTTOM OF DUCT
	BHP BRAKE HORSEPOWER
	BTU BRITISH THERMAL UNITS
	CFM CUBIC FEET PER MINUTE
	CONN. CONNECTION
	CONT. CONTINUATION
	CW. DOMESTIC COLD WATER
	DB DRY BULB
	DIA. DIAMETER
	DISTR. DISTRIBUTION
	EA EXHAUST AIR
	EDB ENTERING DRY BULB TEMPERATURE
	EWB ENTERING WET BULB TEMPERATURE
	EWT ENTERING WATER TEMPERATURE
	FF FINISH FLOOR
	FIXT. FIXTURE
	FPM FEET PER MINUTE
	FPS FEET PER SECOND
	FT. FEET / FOOT
	GA. GAUGE
	GPM GALLONS PER MINUTE
	H. HEIGHT
	HP HORSEPOWER
	I.D. INSIDE DIAMETER
	IN. INCHES
	L. LENGTH
	LBS. POUNDS
	LDB LEAVING DRY BULB
	LWB LEAVING WET BULB
	LWT LEAVING WATER TEMPERATURE
	MAX. MAXIMUM
	MBH THOUSANDS OF BTUs PER HOUR
	MIN. MINIMUM
	NC NOISE CRITERIA
	N.C. NORMALLY CLOSED
	N.I.M. NOT IN MECHANICAL
	NO. NUMBER
	N.O. NORMALLY OPEN
	O.A. OUTSIDE AIR
	P. PERSON
	PSI POUNDS PER SQUARE INCH
	P/T PRESSURE / TEMPERATURE
	R.A. RETURN AIR
	RECT. RECTANGULAR
	REQ'D REQUIRED
	S.A. SUPPLY AIR
	S.P. STATIC PRESSURE
	SQ. SQUARE
	TEMP. TEMPERATURE
	TYP. TYPICAL
	VAV VARIABLE AIR VOLUME
	W. WIDTH
	WB WET BULB
	WPD WATER PRESSURE DROP
	Ø DIAMETER
	(E) EXISTING
	(D) DEMOLISH
	NEW WORK
	HWS (HWS) HEATING WATER SUPPLY
	HWR (HWR) HEATING WATER RETURN
	FIRE DAMPER
	FIRE / SMOKE DAMPER
	SMOKE DAMPER
	SEISMIC BRACING
	LATERAL BRACING
	LONGITUDINAL BRACING
	LONGITUDINAL & LATERAL BRACING

PROJECT INFORMATION:

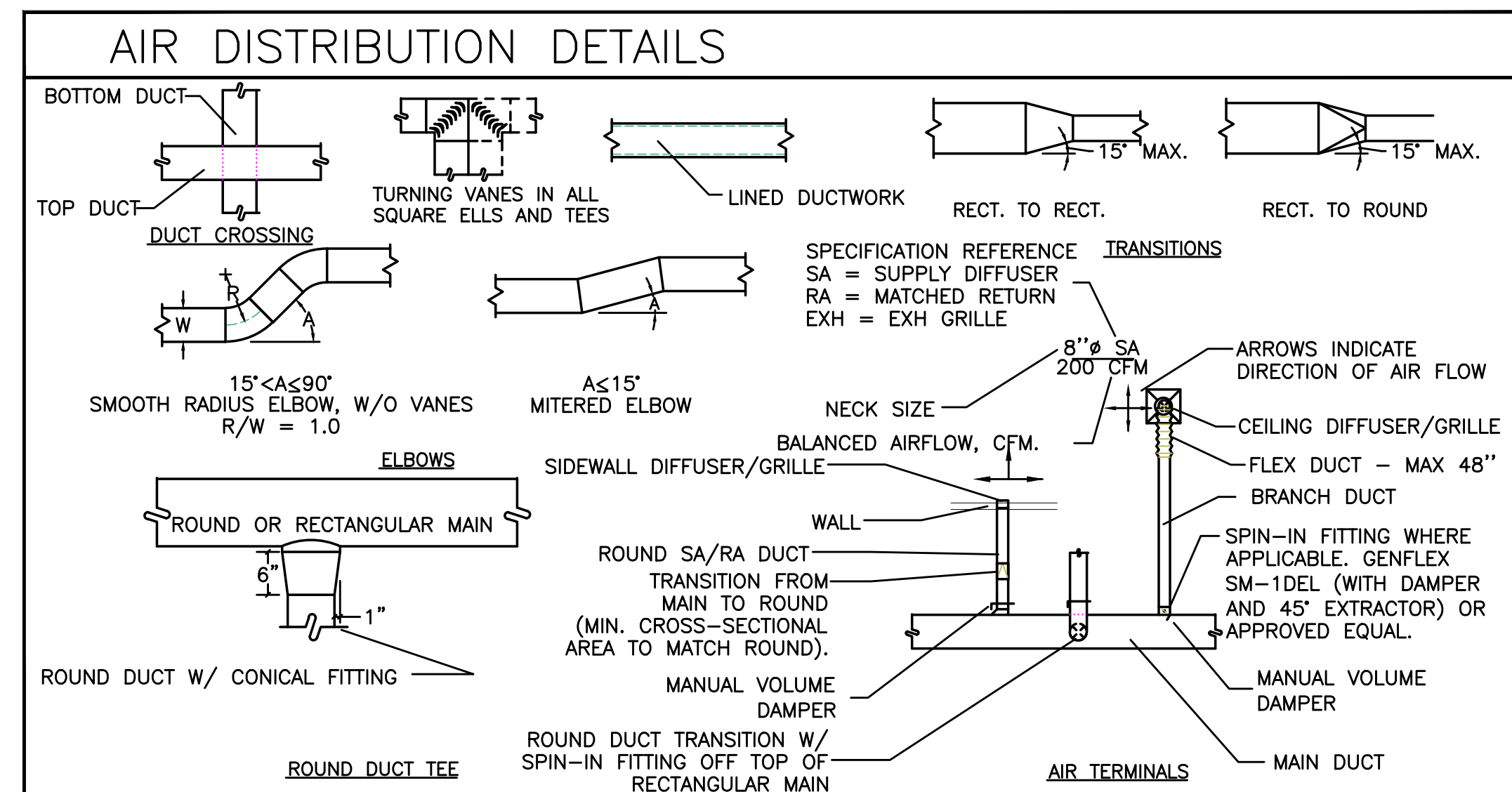
PROJECT DESCRIPTION: EXPANSION OF EXISTING HIGH BAY METAL BUILDING & OFFICES

EXISTING BUILDING: 17,343 SF

AREA OF EXPANSION: 10,675 SF

CODE INFORMATION
 APPLICABLE BUILDING CODE: 2010 OSSC
 OCCUPANCY GROUP: B; LABORATORY - TESTING & RESEARCH
 OCCUPANCY CATEGORY: II
 CONSTRUCTION TYPE: V-B
 FIRE PROTECTION: AUTOMATIC THROUGHOUT - NO CHANGE
 FIRE ALARM: AUTOMATIC THROUGHOUT - NO CHANGE

MECHANICAL SHEET INDEX			
DWG#	DWG TITLE	SCALE	BY
M0.1	MECHANICAL SHEET INDEX	NA	TB
MD2.1	MECHANICAL DEMO PLAN - FIRST FLOOR	1/8"=1'-0"	TB
MD2.2	MECHANICAL DEMO PLAN - SECOND FLOOR	1/8"=1'-0"	TB
M1.0	PRESSURE CASCADE DIAGRAM	1/8"=1'-0"	TB
M2.1A	MECHANICAL FIRST FLOOR PLAN - ADDITION	1/8"=1'-0"	TB
M2.1B	MECHANICAL FIRST FLOOR PLAN - EXISTING BLDG	1/8"=1'-0"	TB
M2.2A	MECHANICAL SECOND PLAN - ADDITION	1/8"=1'-0"	TB
M2.2B	MECHANICAL SECOND PLAN - EXISTING BLDG	1/8"=1'-0"	TB
MP2.1A	MECHANICAL PIPING FIRST FLOOR PLAN - ADDITION	1/8"=1'-0"	TB
MP2.1B	MECHANICAL PIPING FIRST FLOOR PLAN - EXISTING BLDG	1/8"=1'-0"	TB
MP2.2A	MECHANICAL PIPING SECOND PLAN - ADDITION	1/8"=1'-0"	TB
MP2.2B	MECHANICAL PIPING SECOND PLAN - EXISTING BLDG	1/8"=1'-0"	TB
M4.1	MECHANICAL SECTIONS	1/8"=1'-0"	TB
M4.2	MECHANICAL SECTIONS	1/8"=1'-0"	TB
M5.0	MECHANICAL CONTROLS	NONE	TB
M6.0	MECHANICAL SCHEDULES, DETAILS AND LEGENDS	NONE	TB



BEND RESEARCH, INC
 CORPORATE PLACE FACILITY - BUILDING EXPANSION NORTH



BLAISE CACCIOLA
 ARCHITECT
 1465 SW Knoll Avenue, Suite 250
 Bend, OR 97702
 Phone: 541.728.0375
 www.BCA-Architect.com

DRAWN/ CHECKED: TB

ISSUES / REVISIONS: