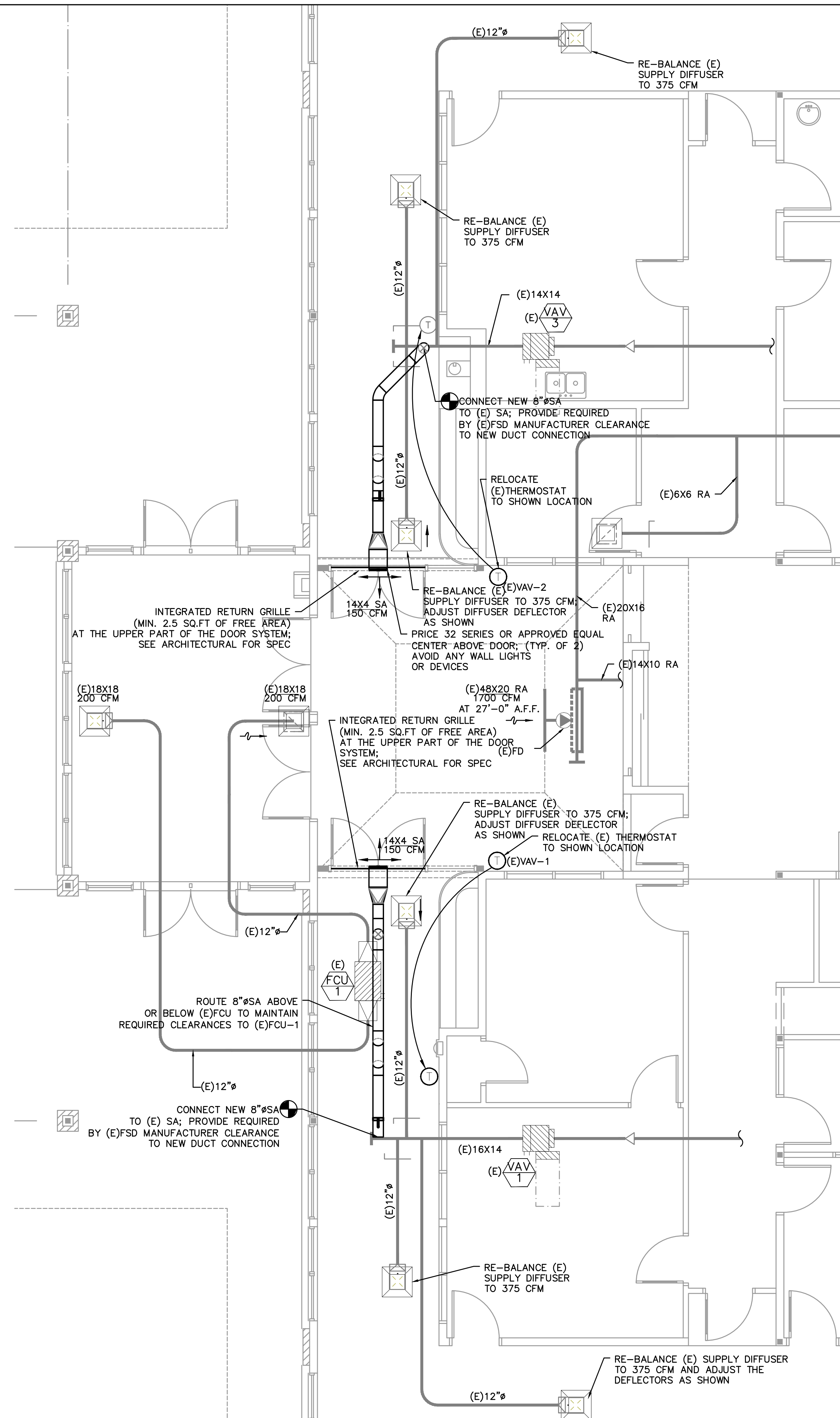
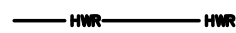




MECHANICAL LEGEND

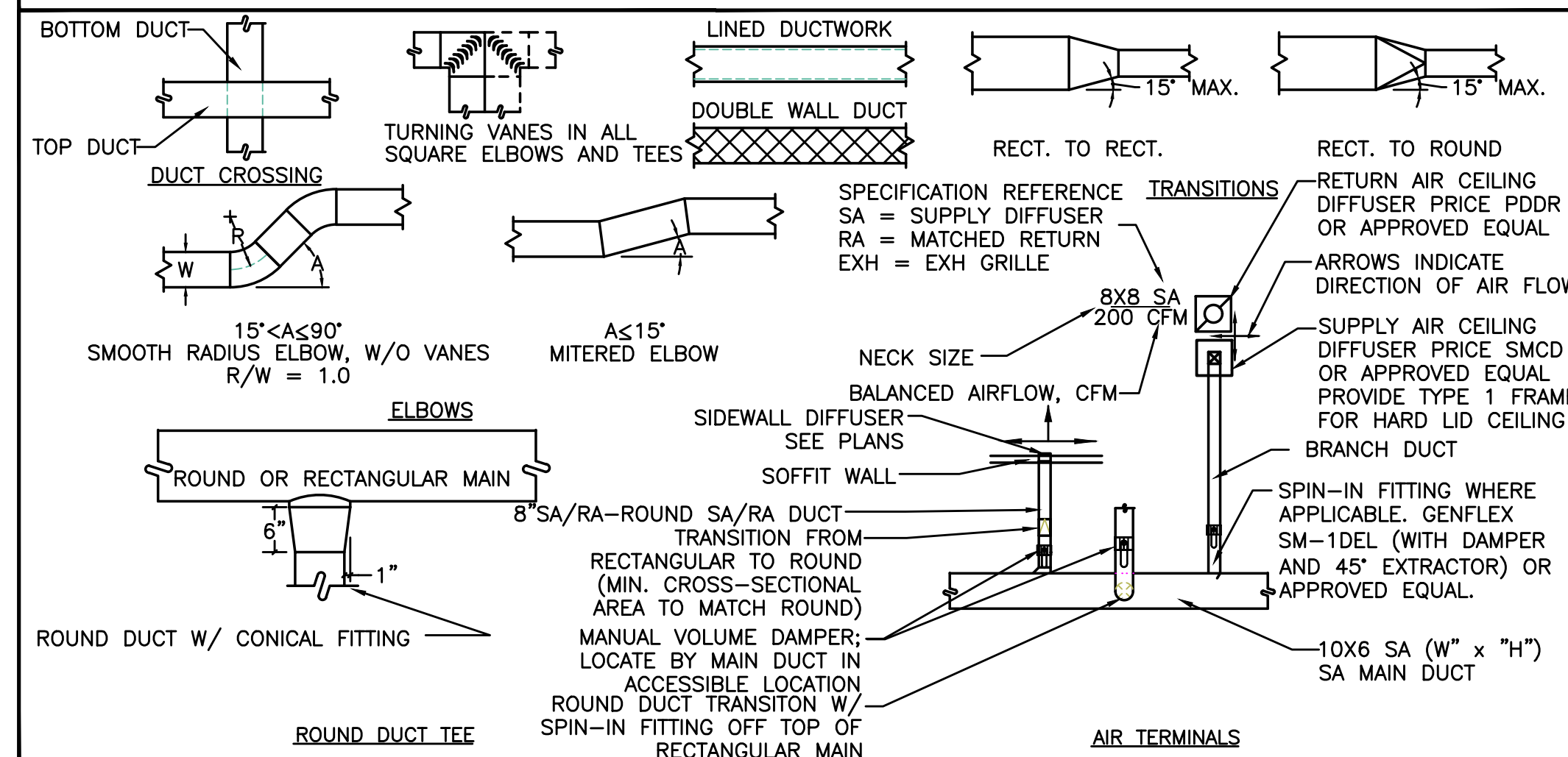
	SUPPLY AIR DIFFUSER	AFF	ABOVE FINISH FLOOR
	RETURN AIR DIFFUSER	AHU	AIR HANDLING UNIT
		BOG	BOTTOM OF GRILLE
	DIRECTIONAL AIR FLOW	BTU	BRITISH THERMAL UNITS
	MANUAL VOLUME DAMPER	CFM	CUBIC FEET PER MINUTE
	SUPPLY AIR DUCT UP & DOWN	CONN.	CONNECTION
	RETURN AIR DUCT UP & DOWN	CONT.	CONTINUATION
	EXHAUST OR OUTSIDE AIR DUCT UP & DOWN	EXH	EXHAUST AIR
	SUPPLY AIR DUCT UP & DOWN	FPM	FEET PER MINUTE
	RETURN AIR DUCT UP & DOWN	FPS	FEET PER SECOND
	EXHAUST OR OUTSIDE AIR DUCT UP & DOWN	FT.	FEET FOOT
	SUPPLY AIR DUCT UP & DOWN	GA.	GAUGE
	RETURN AIR DUCT UP & DOWN	IN.	INCHES
	EXHAUST OR OUTSIDE AIR DUCT UP & DOWN	L	LENGTH
	SUPPLY AIR DUCT UP & DOWN	LBS.	POUNDS
	RETURN AIR DUCT UP & DOWN	MAX.	MAXIMUM
	EXHAUST OR OUTSIDE AIR DUCT UP & DOWN	MBH	THOUSANDS OF BTUS PER HOUR
	SUPPLY AIR DUCT UP & DOWN	MD	MINORIZED DAMPER
	RETURN AIR DUCT UP & DOWN	MIN.	MINIMUM
	EXHAUST OR OUTSIDE AIR DUCT UP & DOWN	MVD	MANUAL VOLUME DAMPER
	SUPPLY AIR DUCT UP & DOWN	OA	OUTSIDE AIR
	RETURN AIR DUCT UP & DOWN	PSI	POUNDS PER SQUARE INCH
	EXHAUST OR OUTSIDE AIR DUCT UP & DOWN	R.A.	RETURN AIR
	VAV TERMINAL UNIT W/ REHEAT COIL	REQ'D	REQUIRED
	CONNECT TO EXISTING	S.A.	SUPPLY AIR
	TEMPERATURE SENSOR	TEMP.	TEMPERATURE
	NOTE	TYP.	TYPICAL
	EQUIPMENT DESIGNATOR	VAV	VARIABLE AIR VOLUME
	FIRE DAMPER	W	WIDTH
	FIRE / SMOKE DAMPER	WB	WET BULB
	SMOKE DAMPER	ø	DIAMETER
	CAP EXISTING DUCT		
		-----	DEMOLISH, (R) RELOCATE
		-----	(E) EXISTING
		-----	NEW WORK
			(HWS) HEATING WATER SUPPLY
			(HWR) HEATING WATER RETURN
			(HWR) HEATING WATER
			REVERSE RETURN

CEILING FANS

MARK NUMBER		
MOUNTING	CEILING HUNG	CEILING HUNG
BLADE DIAMETER/FAN HEIGHT	52"/11.4"FOR 9'CEILING 16.4" FOR 10.5'CEILING	96"/31.8"
CONTROLLED BY WALL MOUNTED:	LUTRON DIVA	LUTRON DIVA
AIRFOIL FINISH	WHITE	SILVER WITH BLACK TRIM
ELECTRICAL CONNECTION, V/PH	120V/1PH	120V/1PH
DESIGN WEIGHT (LBS)	11	75
BASIS OF DESIGN: BIG ASS FANS	HAUKU L	ESSENCE

VERIFY FAN COLOR WITH ARCHITECT PRIOR TO ORDERING.

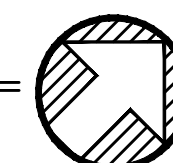
AIR DISTRIBUTION DETAILS



GENERAL NOTES:

1. SEE ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR AREA OF WORK.
2. PROVIDE SPRINKLER HEADS AS REQUIRED IN LOBBY AND CORRIDOR; RELOCATE EXISTING SPRINKLER HEADS IN CORRIDOR AS REQUIRED;
3. CONTRACTOR TO KEEP RECORD OF NEW SYSTEM INSTALLED AS WELL AS EXISTING TO REMAIN, AND ITEMS DISCOVERED OR ENCOUNTERED ON SITE THAT WERE NOT SHOWN ON THE PLANS. THESE INCLUDE SYSTEMS, DUCTWORK, PIPE, ETC THAT DO NOT AFFECT OR ARE NOT PART OF THE PROJECT SCOPE, BUT ARE WITHIN THE BOUNDARIES OF THE PROJECT SCOPE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS THAT ACCURATELY REFLECT THE CONDITIONS WITHIN THE BOUNDARY OF THE PROJECT SCOPE AT THE END OF THE PROJECT.
4. COORDINATE CEILING DIFFUSER LOCATION WITH ELECTRICAL, LOW VOLTAGE AND FIRE PROTECTION DISCIPLINES.
5. ALL SHOWN EXISTING DUCTWORK, DIFFUSERS, EQUIPMENT AND CAPACITIES ARE GATHERED FROM VARIOUS AS BUILTS AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY SIZE AND LOCATION PRIOR TO COMMENCING WORK.

1 ENLARGED HVAC FLOOR PLAN
M1.1 SCALE: 1/4" = 1'-0"



MFIA
INC.

Consulting Engineers
2007 S.E. Ash St.
Portland, OR 97214
PHN: (503) 234-0548
FAX: (503) 234-0677
WWW.MFIA-ENG.COM
CONTACT: Elena von Kaments

REGISTERED PROFESSIONAL
ENGINEER
10312
OREGON
JULY 13, 1979
JOHN A. van BLADEREN
EXPIRES: 30JUN18

BBI
ARCHITECTS
1160 SW Simpson Ave. - Suite 100 - Bend, Oregon 97702
t 541.382.5535 | f 541.389.8033

Bend-La Pine Schools SECURITY UPGRADES
Lava Ridge Elementary

20805 Cooley Road
Bend, Oregon 97701

ISSUED:	DATE:
PERMIT SET / BID SET	02/14/18

JOB NUMBER:	1708
DRAWN BY:	EVK
CHECKED BY:	JVB

SHEET TITLE
ENLARGED
HVAC
FLOOR PLAN

SHEET NUMBER

M1.1