

IF THIS SHEET IS NOT 30" x 42" FULL SIZE, USE GRAPHIC SCALES

one inch = one foot

three-quarter inch = one foot

one-half inch = one foot

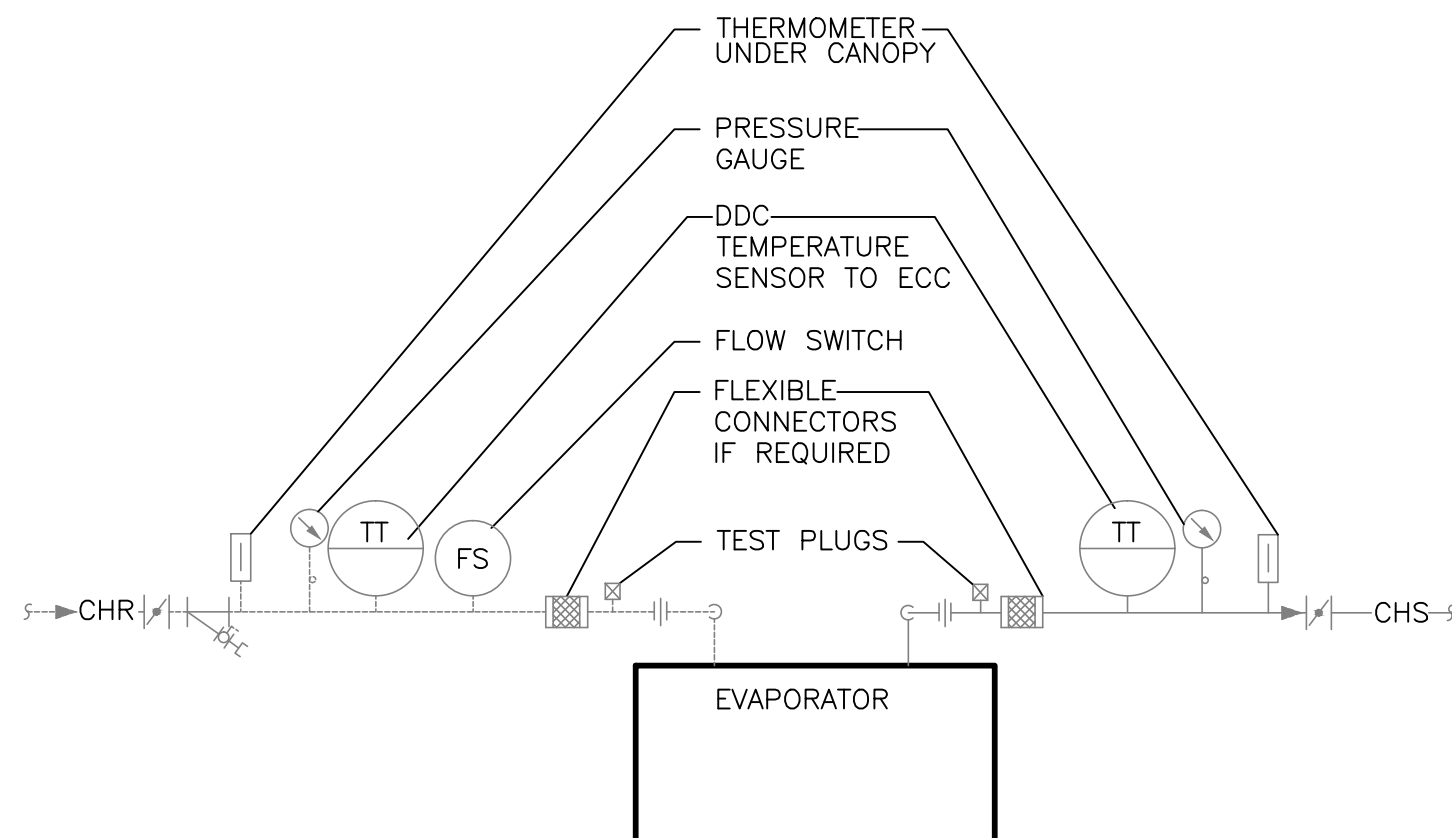
three-eighths inch = one foot

one-quarter inch = one foot

one-eighth inch = one foot

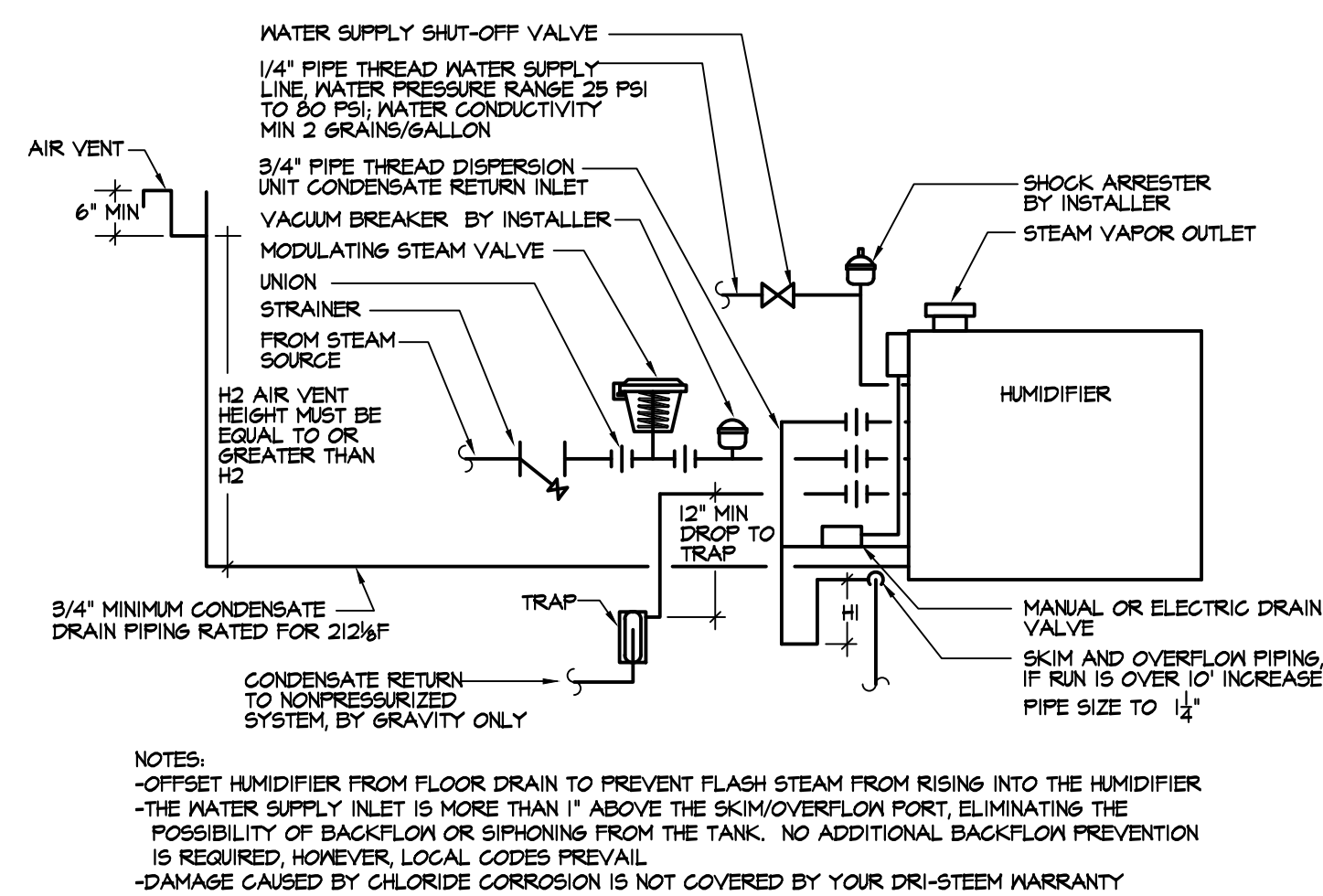
HVAC LEGEND

	EXISTING PIPING/DUCTWORK/EQUIPMENT TO BE REMOVED
	EXISTING PIPING/DUCTWORK/EQUIPMENT TO BE REMAN
	NEW DUCTWORK/PIPING/EQUIPMENT
	C.D. CEILING DIFFUSER
	C.G. CEILING GRILLE
	CHS CHILLED WATER SUPPLY PIPING
	CHR CHILLED WATER RETURN PIPING
	-D- CONDENSATE DRAIN
	-TR- TOP REGISTER
	V.D. VOLUME DAMPER
	E.T.R. EXISTING TO REMAIN
	W.O. WALL OPENING
	-C.P.- CONDENSATE PUMP
	-CV- CHECK VALVE
	① THERMOSTAT
	CFM CUBIC FEET PER MINUTE
	FD/AD FIRE DAMPER & ACCESS DOOR
	FSD/AD FIRE SMOKE DAMPER & ACCESS DOOR
	A.L. ACOUSTICAL LINING
	W.M.S. WIRE MESH SCREEN
	A.F.F. ABOVE FINISHED FLOOR
	C.R. CEILING REGISTER
	AC-1 AIR CONDITIONING UNIT-1
	AHU-1 AIR HANDLING UNIT-1
	F.C. FLEXIBLE CONNECTION



AIR COOLED CHILLER - PIPING CONNECTIONS

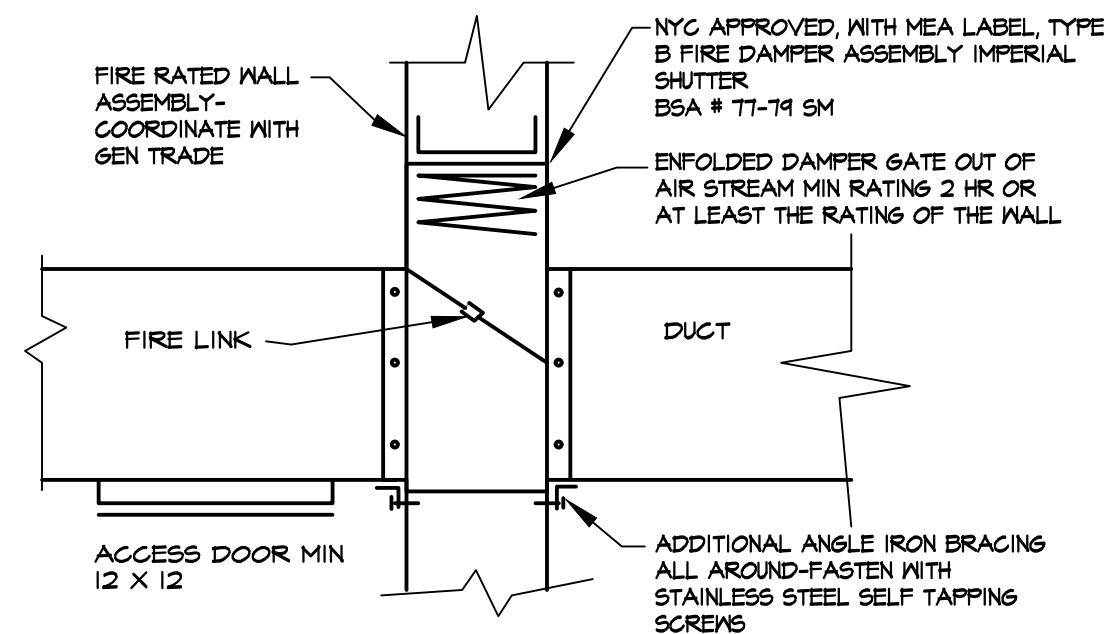
NTS



HUMIDIFIER PIPING DETAIL

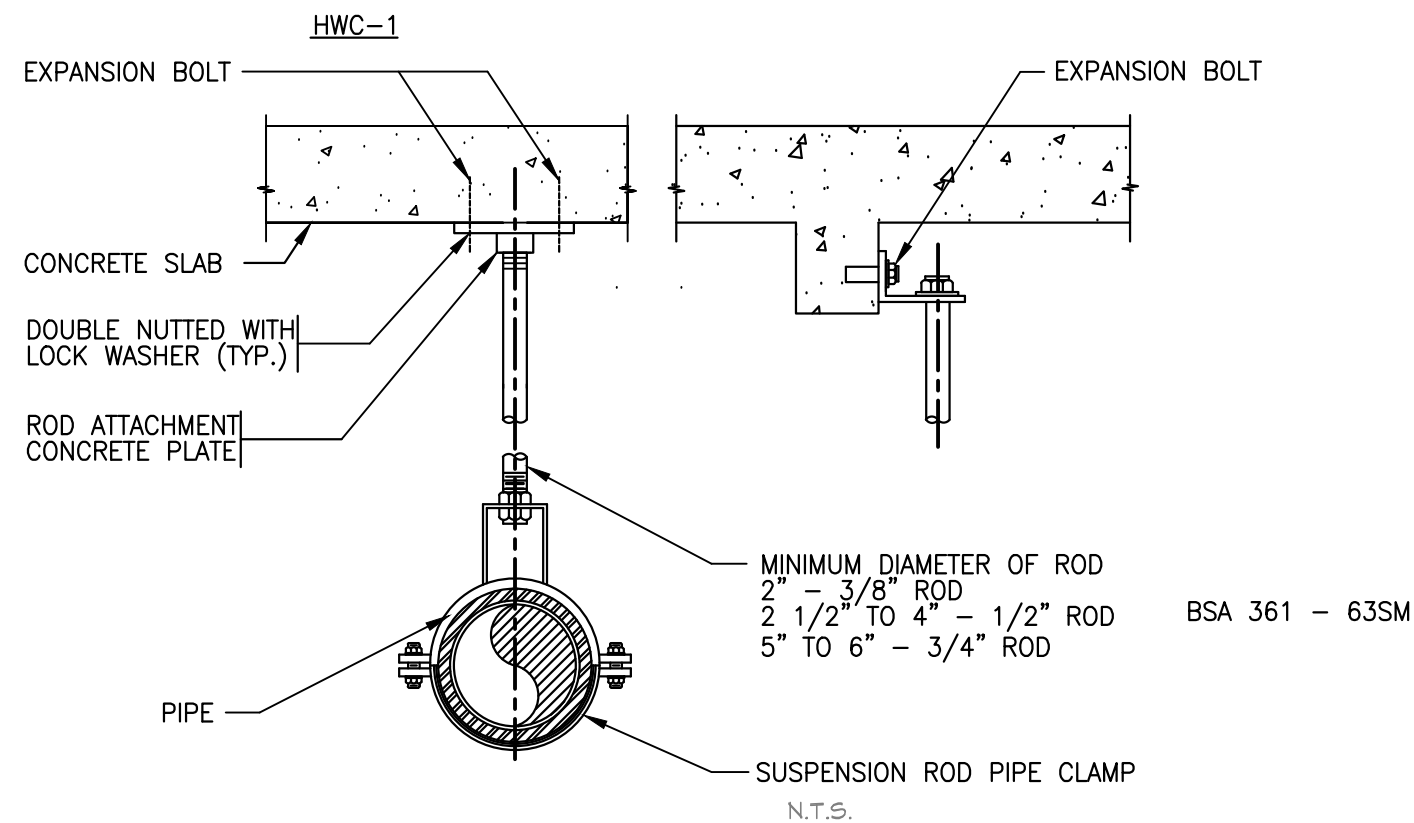
NTS

UNIT OUTPUT	WATER SEAL HEIGHT (H1)	AIR VENT HEIGHT (H2)	
	ALL S1S MODELS	S1S MODELS 25C, 25S, 50C, 50S, 100C, 100S, 200S, 400C	S1S MODELS 800
LB5/HR	INCHES	INCHES	INCHES
UP TO 150	12	21	-
154 TO 180	15	30	-
184 TO GREATER	18	39	42.25



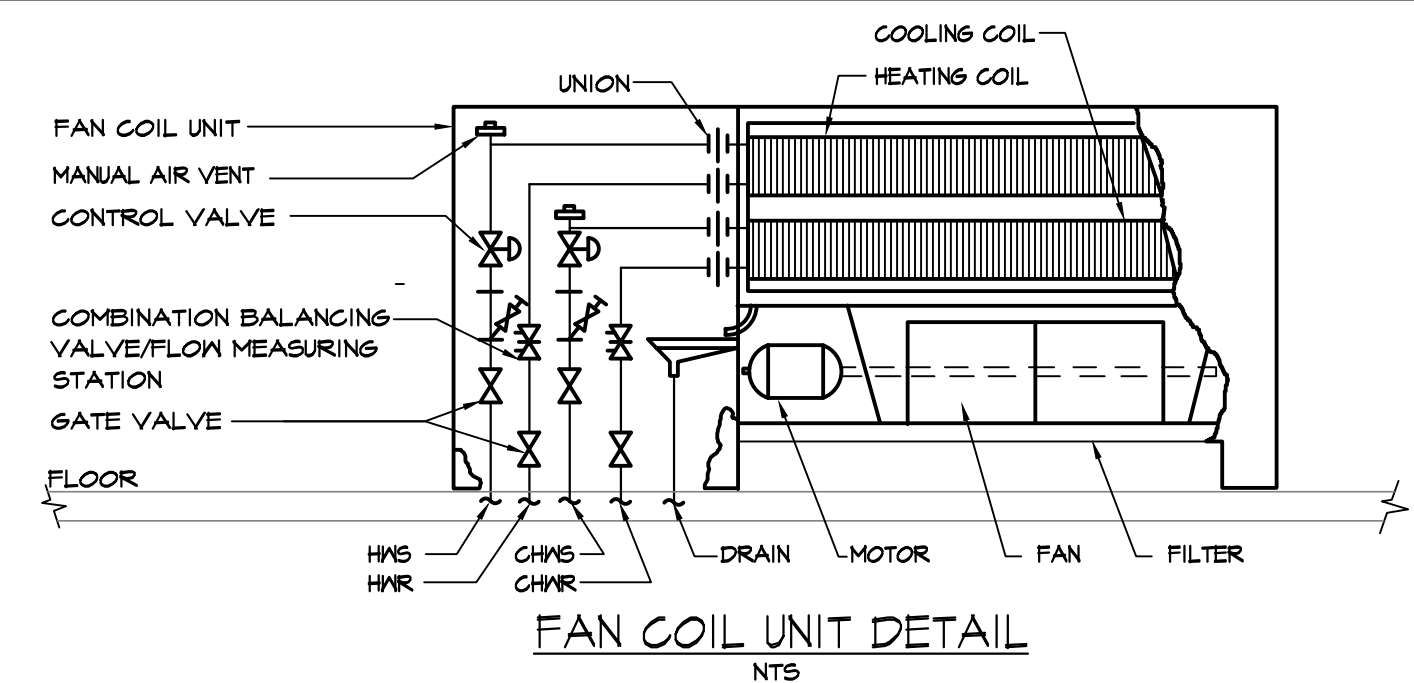
FIRE DAMPER DETAIL

NTS



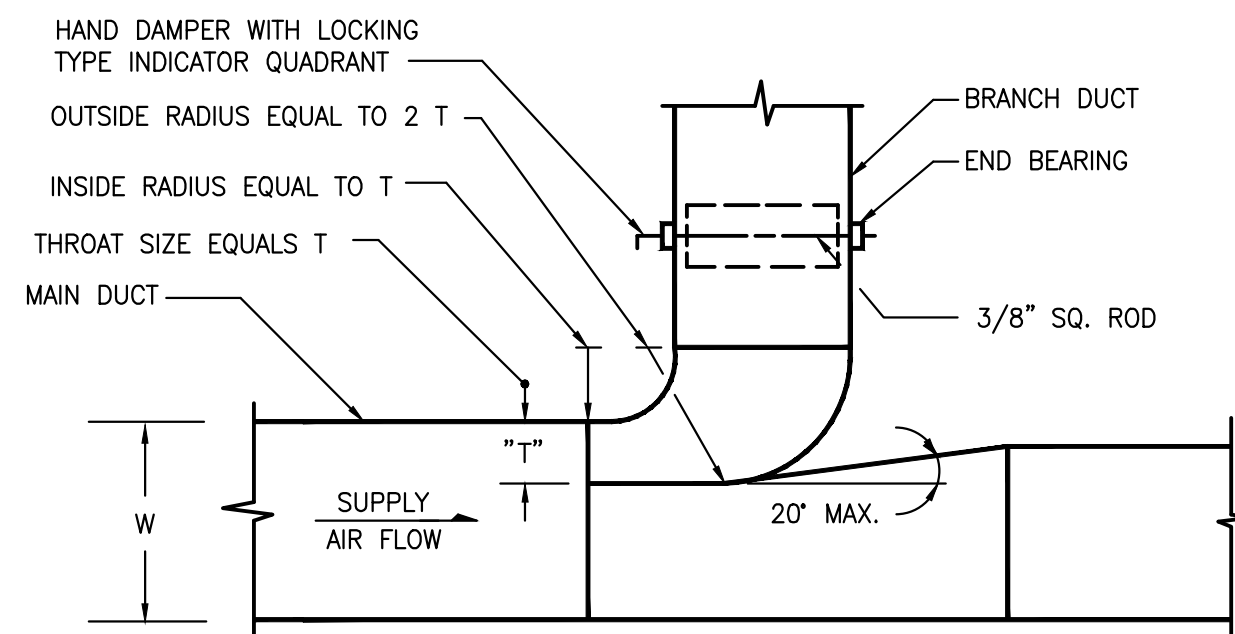
PIPE HANGING DETAIL

NOT TO SCALE



FAN COIL UNIT DETAIL

NTS

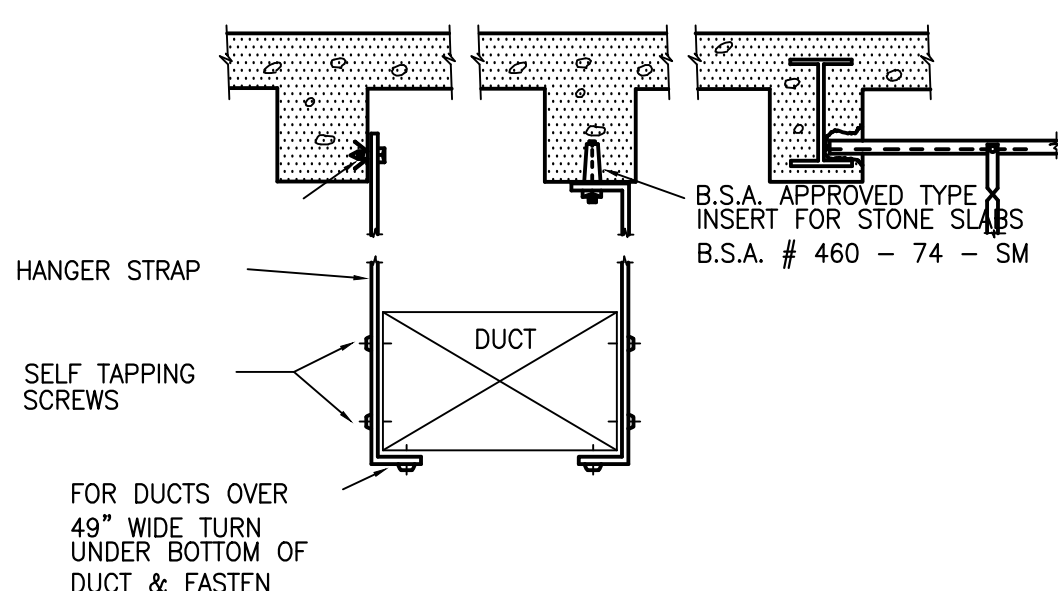


NOTES:

1. FURNISH THIS TYPE CONNECTION WHERE NOTED & WHEN SINGLE LINE DUCTWORK IS INDICATED AS THIS FOR BRANCHES WITH MORE THAN 1000 CFM.
2. FURNISH THIS TYPE CONNECTION WITHOUT HAND DAMPER FOR ALL HIGH PRESSURE DUCTWORK BRANCHES.
3. MUST BE USED WHEN W ≥ 36\"/>
4. MINIMUM T = 4\"/>

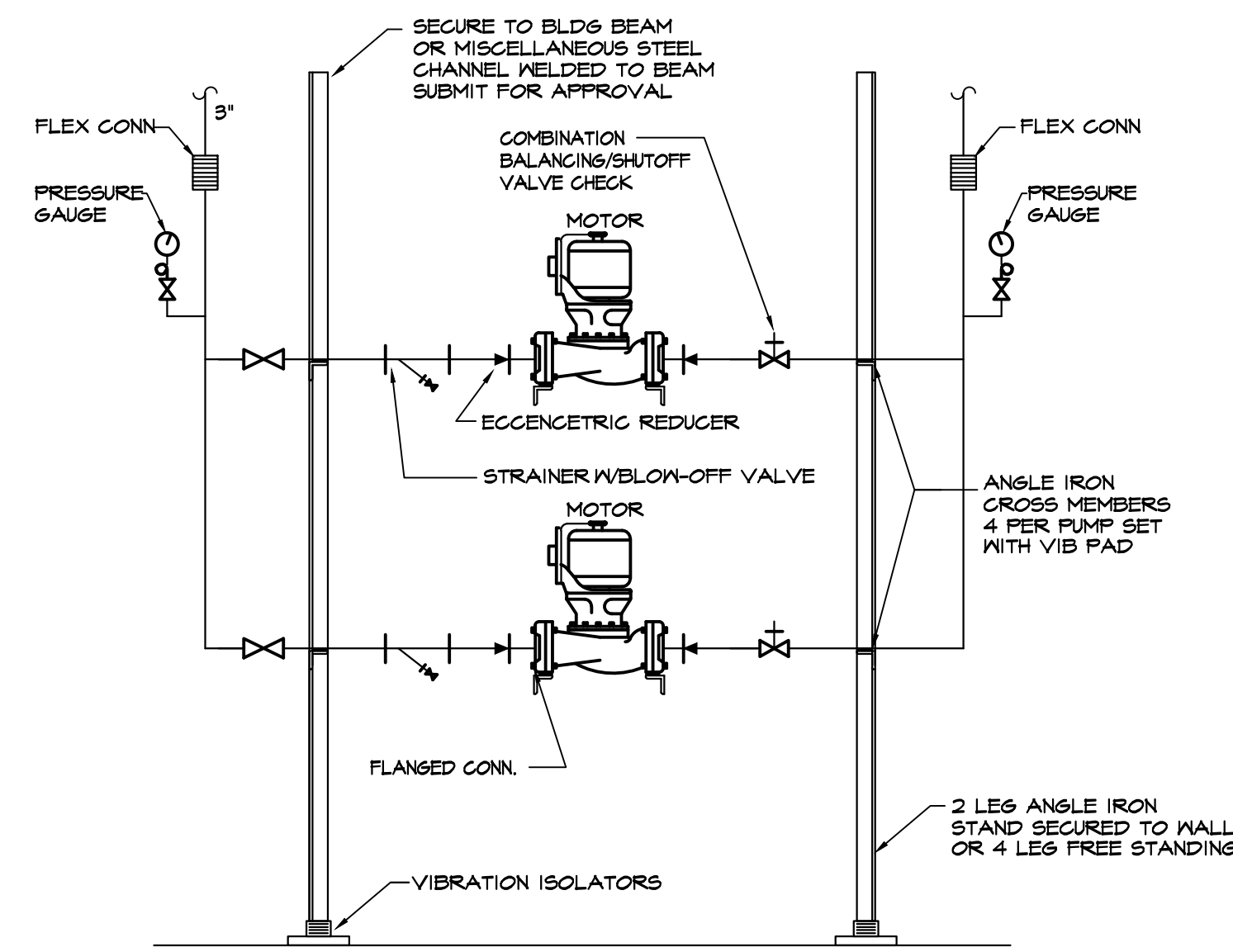
RECTANGULAR DUCT BRANCH CONNECTION

NOT TO SCALE



METHOD OF HANGING DUCTWORK

NOT TO SCALE



IN-LINE PUMP DETAIL

EMTG
Consulting Engineers

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Revisions
VA FORM 08-6231, DEC 1989

Date

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NOTE AND READ CAREFULLY:

The Contractor shall consult and study the requirements of each and every drawing and each specification section of this contract so that he/she may become acquainted with the project as a whole in order to determine how the work of his/hers subcontractor or vendor may affect the work required under this contract.

Written Specifications are part of this contract

KEY PLAN



AREA OF WORK

BUILDING #18

HVAC DETAILS

Approved: Division Chief

Approved: Service Director

Project Title
**Renovation to Dental Clinic
Building 18
Healthcare System
Castle Point, New York**

Building Number
18

Checked
SL

Drawn
WS/DH

Location
Castle Point, New York

Date
4/23/2012

Project No.
620-A409-110

DRAWING NO.

MH500

Dwg.460f 52



DEBORAH T. DE
WEPPER S. REEBERS