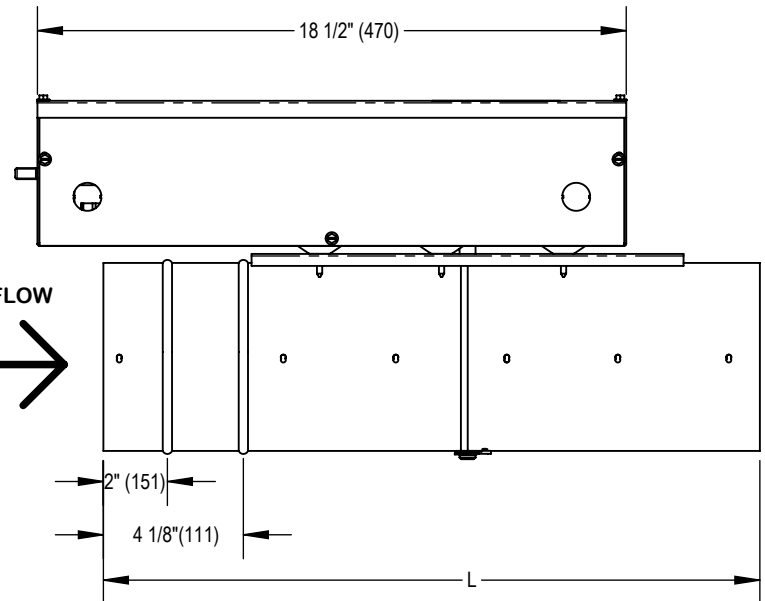
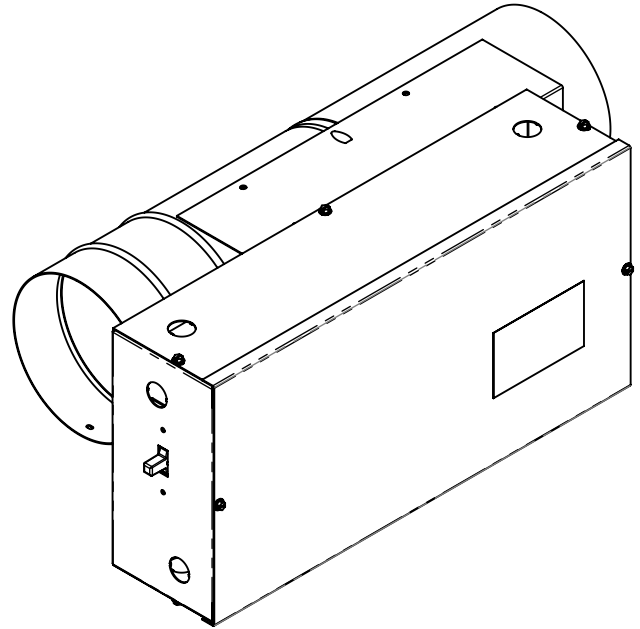
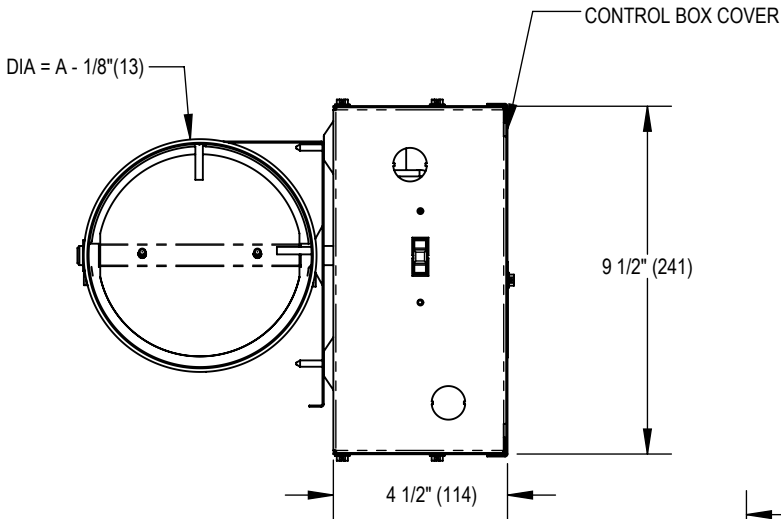


PIM PRESSURE INDEPENDENCE MODULE ROUND DISK DAMPER

UNIT SIZE	FLOW RANGE	A	L
6	0-450 CFM (0-212 L/s)	6" (152)	20 3/8" (518)
8	0-800 CFM (0-378 L/s)	8" (203)	
10	0-1350 CFM (0-637 L/s)	10" (254)	20" 7/8 (530)
12	0-2100 CFM (0-919L/s)	12" (305)	23 1/8" (587)
14	0-3000 CFM (0-1416 L/s)	14" (356)	24 1/8" (613)
16	0-4000 CFM (0-1888 L/s)	16" (406)	26 1/8" (664)



STANDARD CONSTRUCTION:

- 22 GA. ZINC COATED STEEL HOUSING. MECHANICALLY SEALED AND GASKETED, LEAK RESISTANT CONSTRUCTION
- CONTROLS ASSEMBLY WILL BE SUPPLIED AS ILLUSTRATED ON RIGHT HAND SIDE UNLESS SPECIFIED OTHERWISE
- STATIC PRESSURE PROBE FACTORY PROVIDED FOR FIELD INSTALLATION
- PRESSURE INDEPENDENT ELECTRIC CONTROLLER & ACTUATOR FACTORY MOUNTED

OPTIONS:

CONTROL CONFIGURATION

- BYPASS CONTROL CONFIGURATION
- ZONE CONTROL CONFIGURATION

TRANSFORMER

- NO TRANSFORMER
- 24-24V DDC ISOLATION TRANSFORMER
- 115-24V STEP DOWN TRANSFORMER
- 230-24V STEP DOWN TRANSFORMER

NETWORK

- BACnet INTERFACE

NOTE - METRIC DIMENSIONS HAVE BEEN ROUNDED TO THE NEAREST MILLIMETER

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

APPROVED BY:

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DRAWING NO:

268754

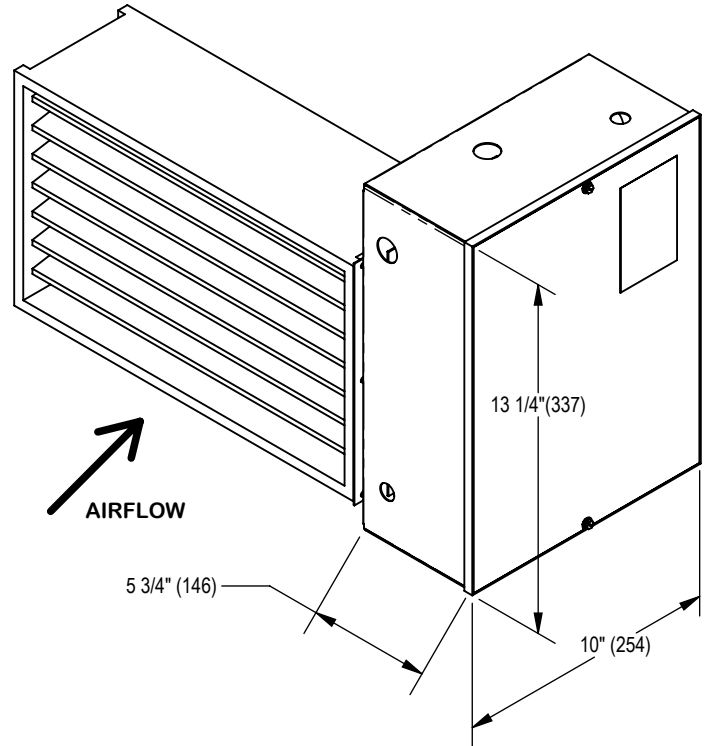
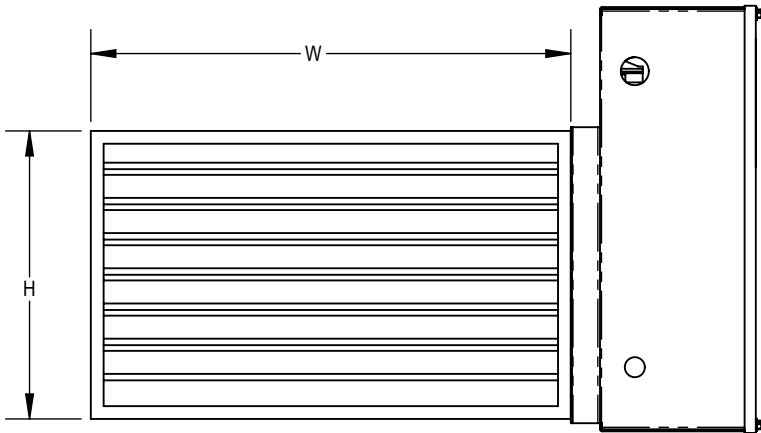
DATE DRAWN:

3/6/2026

**PIM PRESSURE
INDEPENDENCE
MODULE**

PIM PRESSURE INDEPENDENCE MODULE SQUARE BLADED DAMPER

DAMPER DIMENSIONS			
W		H	
MIN	MAX	MIN	MAX
6"(152)	48"(1219)	6"(152)	36"(914)



STANDARD CONSTRUCTION:

- FRAME: ROLL-FORMED 20 GA. GALV STEEL HAT SECTION WITH STAKED CORNERS WITH INTERGRAL BRACING
- BLADES: 16 GA. GALV STEEL ROLL FORMED, TRIPLE VEE PROFILE
- STATIC PRESSURE PROBE FACTORY PROVIDED FOR FIELD INSTALLATION
- PRESSURE INDEPENDENT ELECTRIC CONTROLLER & ACTUATOR FACTORY MOUNTED

OPTIONS:

CONTROL CONFIGURATION

- BYPASS CONTROL CONFIGURATION
- ZONE CONTROL CONFIGURATION

TRANSFORMER

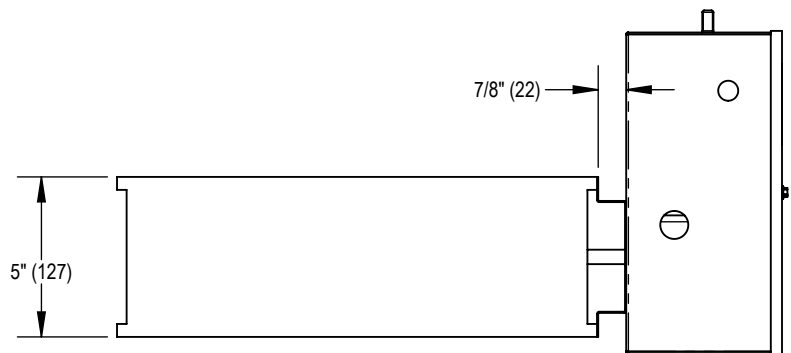
- NO TRANSFORMER
- 24-24V DDC ISOLATION TRANSFORMER
- 115-24V STEP DOWN TRANSFORMER
- 230-24V STEP DOWN TRANSFORMER

NETWORK

- BACnet INTERFACE

BLADE SEALS

- STANDARD CONSTRUCTION
- LOW LEAKAGE BLADE SEALS



NOTE - METRIC DIMENSIONS HAVE BEEN ROUNDED TO THE NEAREST MILLIMETER

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**PIM PRESSURE
INDEPENDENCE
MODULE**

**PIM PRESSURE INDEPENDENCE MODULE
PIC CONTROLLER**

OPTIONS:

CONTROL CONFIGURATION

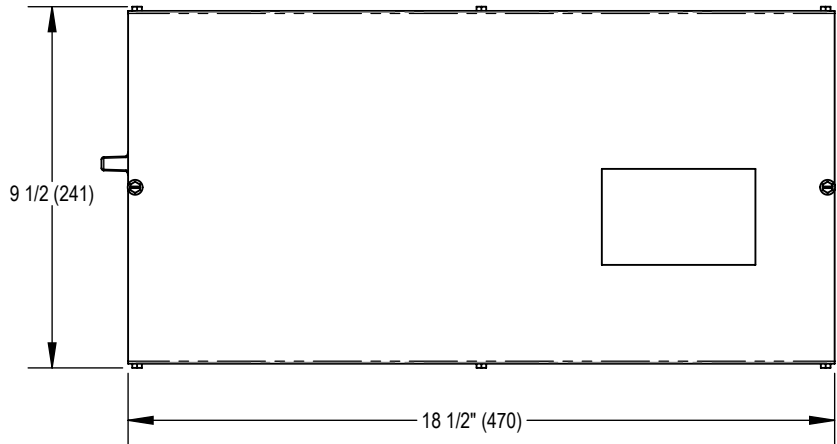
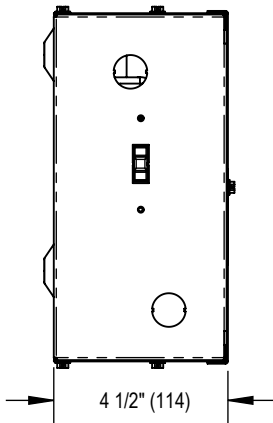
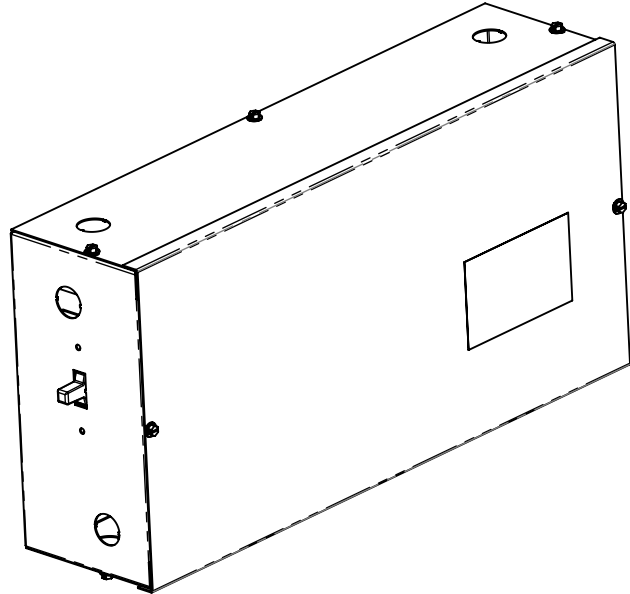
- BYPASS CONTROL CONFIGURATION
- ZONE CONTROL CONFIGURATION

TRANSFORMER

- NO TRANSFORMER
- 24-24V DDC ISOLATION TRANSFORMER
- 115-24V STEP DOWN TRANSFORMER
- 230-24V STEP DOWN TRANSFORMER

NETWORK

- BACnet INTERFACE



NOTE - METRIC DIMENSIONS HAVE BEEN ROUNDED TO THE NEAREST MILLIMETER

PROJECT:

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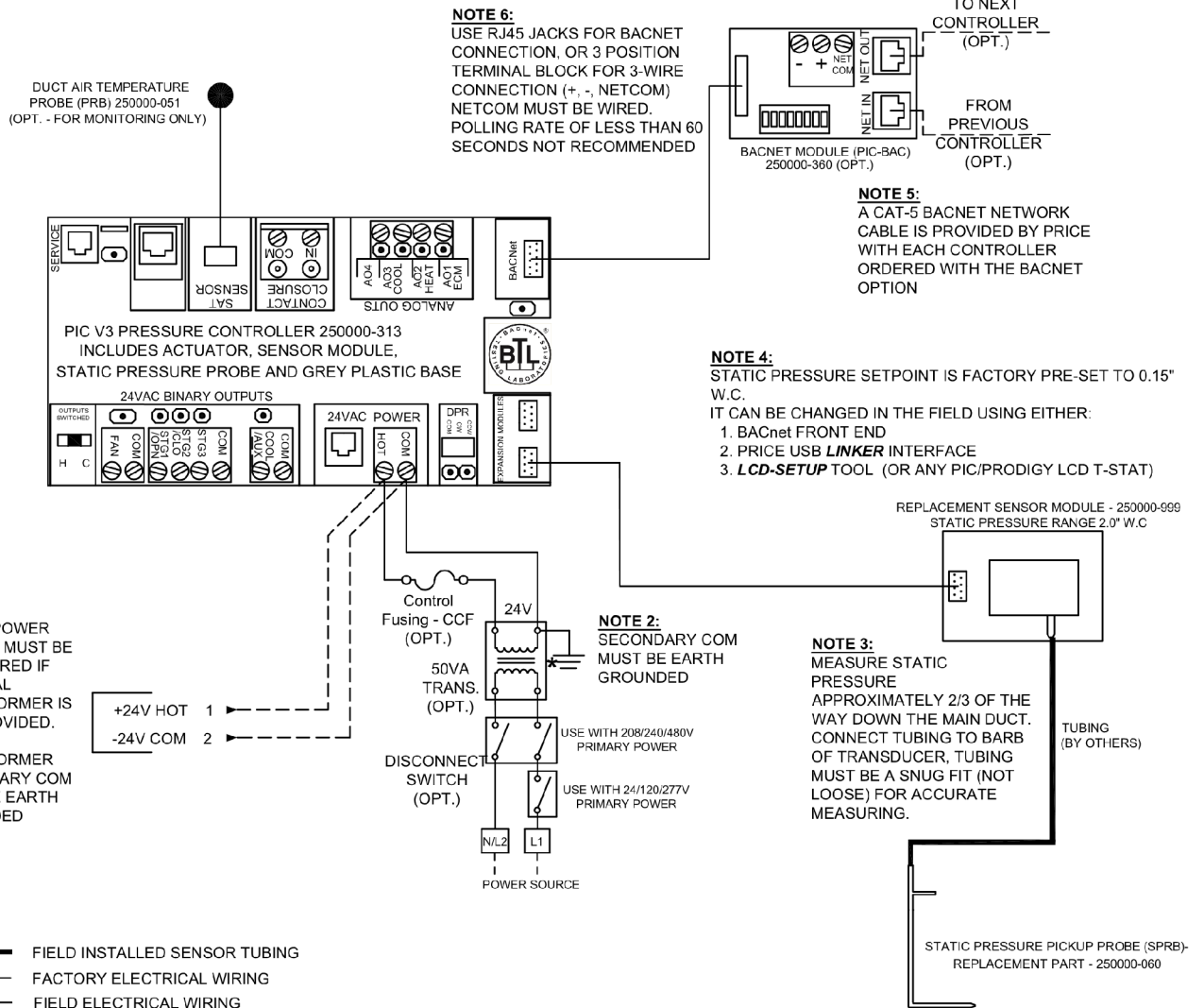
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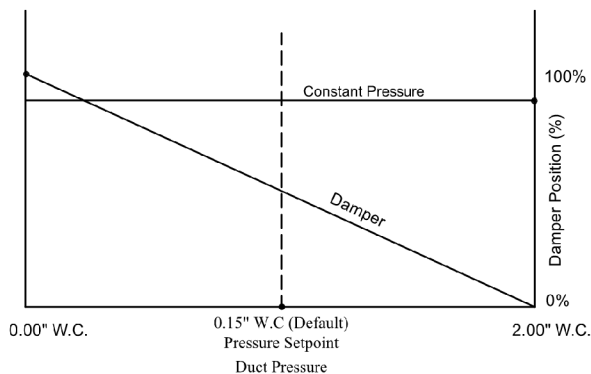
3/6/2026

**PIM PRESSURE
INDEPENDENCE
MODULE**

CONTROL SEQUENCE NUMBER 1551 - CONSTANT PRESSURE DOWNSTREAM



CONTROL GRAPH



Sequence of Operation -- Constant Pressure, Downstream.

On startup, the controller will calibrate to the fully-closed position for 2 minutes.

On an increase in duct static pressure the controller/actuator will modulate the VAV damper closed to decrease the amount of air delivered downstream of the box.

On a decrease in duct static pressure the controller/actuator will modulate the VAV damper open to increase the amount of air delivered downstream of the box.

Duct static pressure is held constant.

Upon detection of air handler shutdown (Zero duct pressure with VAV damper fully open), the controller/actuator will place the damper at the pre-selected setback position (default: 50% open)

NOTE - METRIC DIMENSIONS HAVE BEEN ROUNDED TO THE NEAREST MILLIMETER

PROJECT:

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SUBMITTAL DATE:

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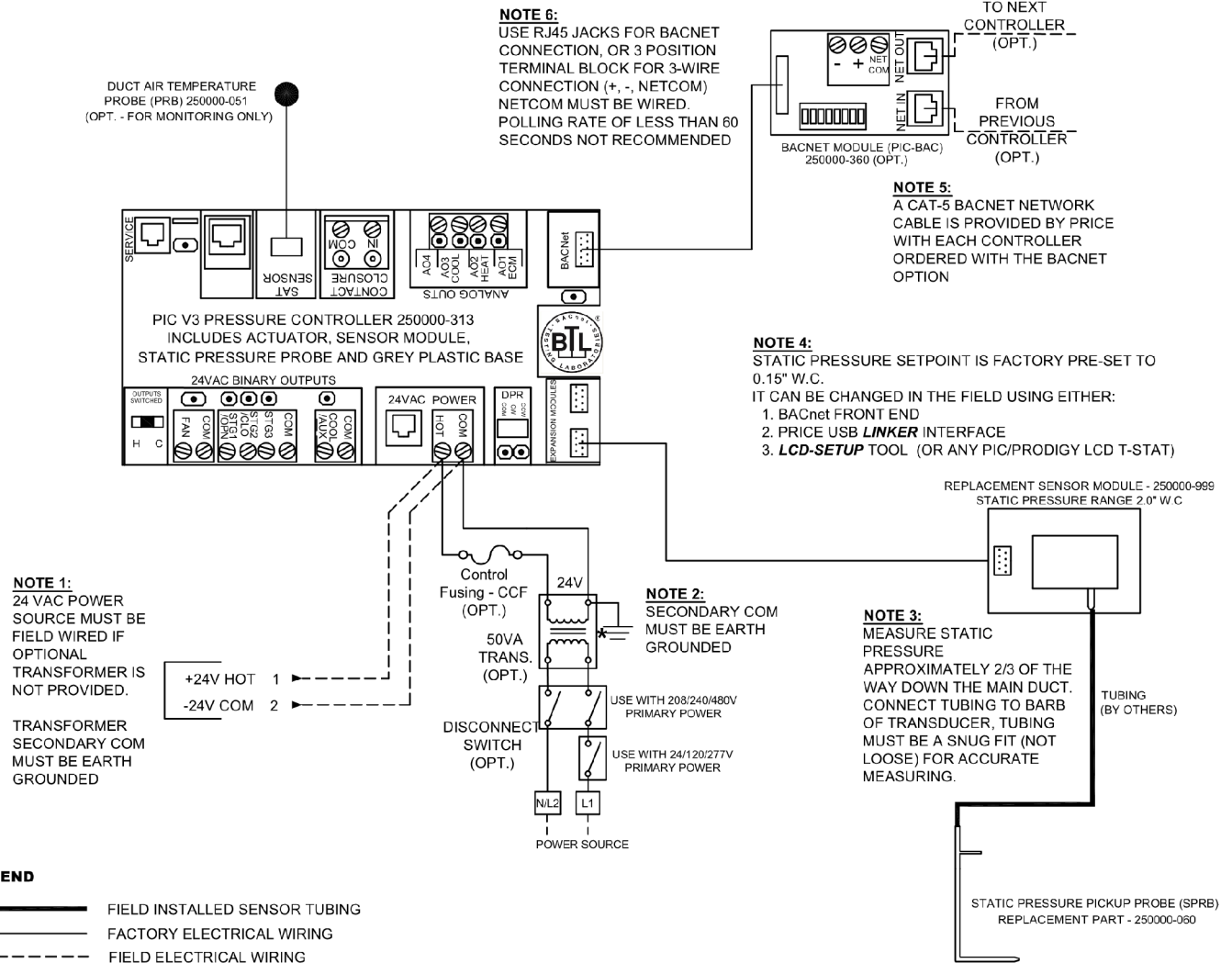
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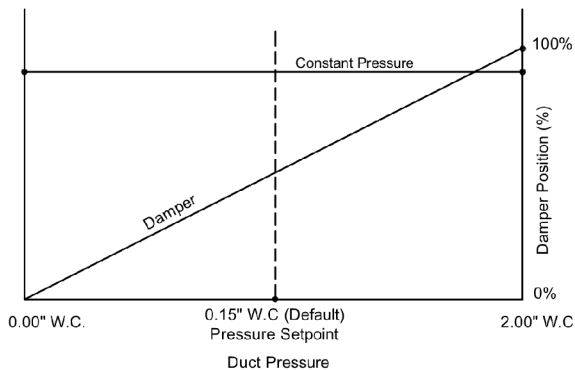
3/6/2026

PIM PRESSURE INDEPENDENCE MODULE

CONTROL SEQUENCE NUMBER 1550 - CONSTANT PRESSURE BYPASS



CONTROL GRAPH



Sequence of Operation -- Constant Pressure, Bypass.

On startup, the controller will calibrate to the fully-open position for 2 minutes.

On an increase in duct static pressure the controller/actuator will modulate the VAV damper open to increase the amount of air bypassed.

On a decrease in duct static pressure the controller/actuator will modulate the VAV damper closed to reduce the amount of air bypassed.

Duct static pressure is held constant.

Upon detection of air handler shutdown (Zero duct pressure with bypass damper fully closed), the controller/actuator will place the damper at the pre-selected setback position (default: 50% open)

NOTE - METRIC DIMENSIONS HAVE BEEN ROUNDED TO THE NEAREST MILLIMETER

PROJECT:

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CUSTOMER:

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SPEC. SYMBOL:

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**PIM PRESSURE
INDEPENDENCE
MODULE**