

ACTIVE CHILLED BEAM CABINET

OPTIONS:

- COIL ORIENTATION (SEE PAGE 2)
- FIN TUBE HEATER (SEE PAGE 7)
- INLET LOCATION (SEE PAGE 4)
- INLET DAMPER (SEE PAGE 7)
- VOLUME FLOW REGULATOR (SEE PAGE 8)
- CORE SHIFT (SEE PAGE 5)
- SIDE PANEL (SEE PAGE 5)
- FACE STYLE (SEE PAGE 3)

DISCHARGE:

- 1W - 1-WAY DISCHARGE
- 2W - 2-WAY DISCHARGE

NOZZLE SIZE (ONLY SELECTABLE FOR 1-WAY DISCHARGE):

- 405
- 504

COIL TYPE:

- 2P1C-NODV - 2 PIPE, 1 CIRCUIT (ONLY SELECTABLE FOR 1-WAY DISCHARGE)
- 2P1C-DV - 2 PIPE, 1 CIRCUIT W/ DRAIN & VENTS (ONLY SELECTABLE FOR 1-WAY DISCHARGE)
- 4P1C-NODV - 4 PIPE, 1 CIRCUIT (ONLY SELECTABLE FOR 2-WAY DISCHARGE)
- 4P1C-DV - 4 PIPE, 1 CIRCUIT W/ DRAIN & VENTS (ONLY SELECTABLE FOR 2-WAY DISCHARGE)

COIL CONNECTION:

- SWT - 1/2" SWEAT (DEFAULT)
- FNPT - 1/2" NPT - FEMALE
- MNPT - 1/2" NPT - MALE

INLET SIZE:

- 6E - 6" OVAL EQUIVALENT INLET (4"x7")
- 8E - 8" OVAL EQUIVALENT INLET (4"x10.125") (DEFAULT)

DRAIN PAN:

- NONE (DEFAULT)
- DP - DRAIN PAN (1/2" MNPT) (DP CONNECTION SAME SIDE AS COIL ORIENTATION)

INSULATION:

- NONE (DEFAULT)
- INT - INTERNAL INSULATION

BIPOLAR IONIZER

- NONE (DEFAULT)
- BPI - BIPOLAR IONIZER

PROTECTIVE FILM:

- NONE (DEFAULT)
- PF - PROTECTIVE FILM ON DISCHARGE, INDUCTION FACE AND INLET

FINISH:

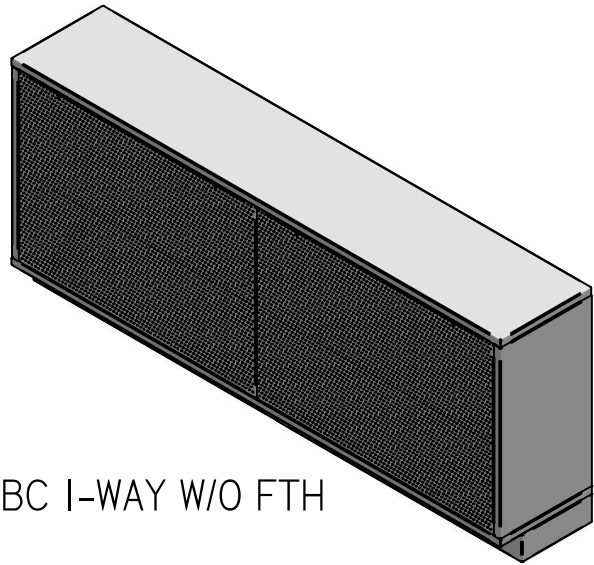
- B12 - STANDARD WHITE (DEFAULT)
- SPL - SPECIAL COLOR

ELEVATION

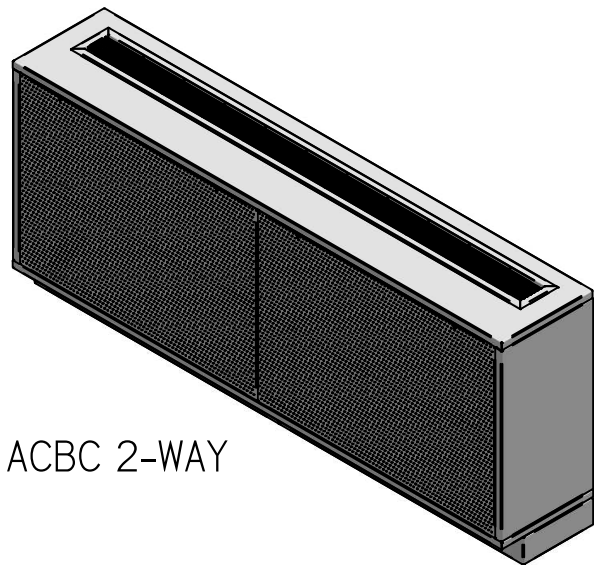
- SEA LEVEL
- HIGH ALTITUDE _____ FT

NOTES:

- 16 GAUGE CASING CONSTRUCTION (STEEL)
- FACTORY TOLERANCE: ± 1/32"



ACBC 1-WAY W/O FTH



ACBC 2-WAY

OVERALL LENGTH / ACTIVE LENGTH / INLET LOCATION CONFIGURATIONS:

OVERALL LENGTH (L)	ACTIVE LENGTH (CL)	INLET LOCATION
60.000	36.000	L, R, LR, TL, TR, TLR, TRL
	60.000	L, R, LR
67.750 (1500)	36.000	L, R, LR, TL, TR, TLR, TRL
	60.000	L, R, LR
72.000	48.000	L, R, LR, TL, TR, TLR, TRL
	72.000	L, R, LR
87.438 (2000)	60.000	L, R, LR, TL, TR, TLR, TRL
	84.000	L, R, LR

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:



KHH

270567

2022/02/01

ACBC
ACTIVE CHILLED BEAM
CABINET

ACTIVE CHILLED BEAM CABINET

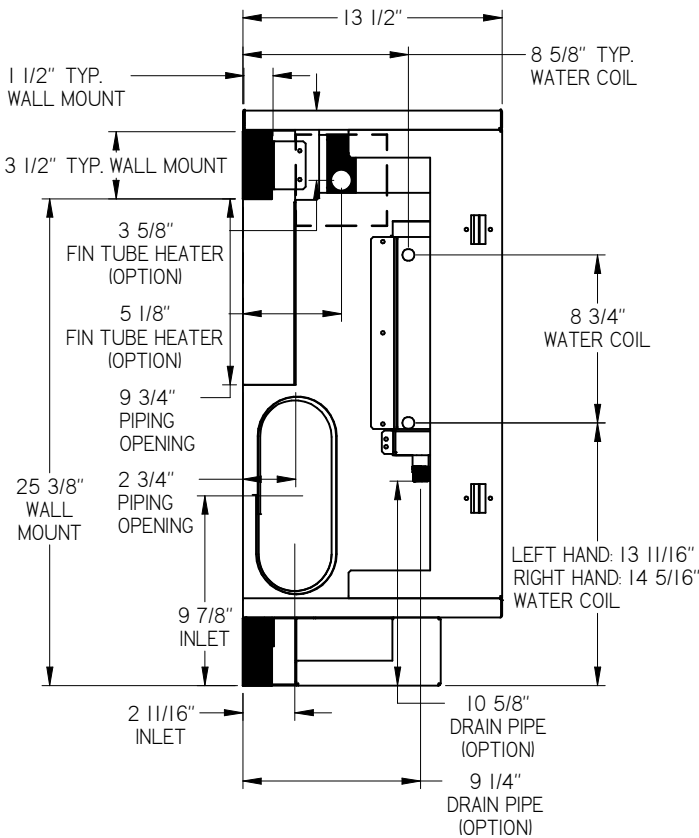
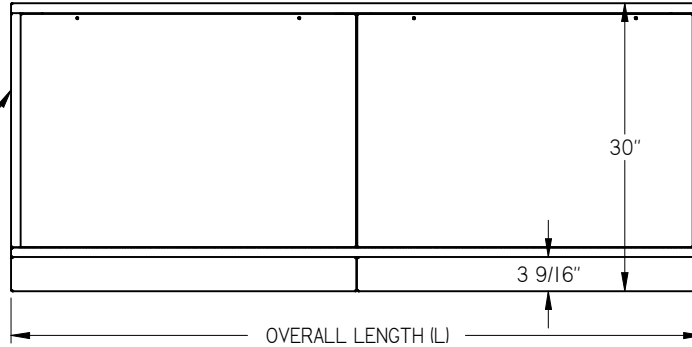
COIL ORIENTATION:

- LH - LEFT HAND
- RH - RIGHT HAND

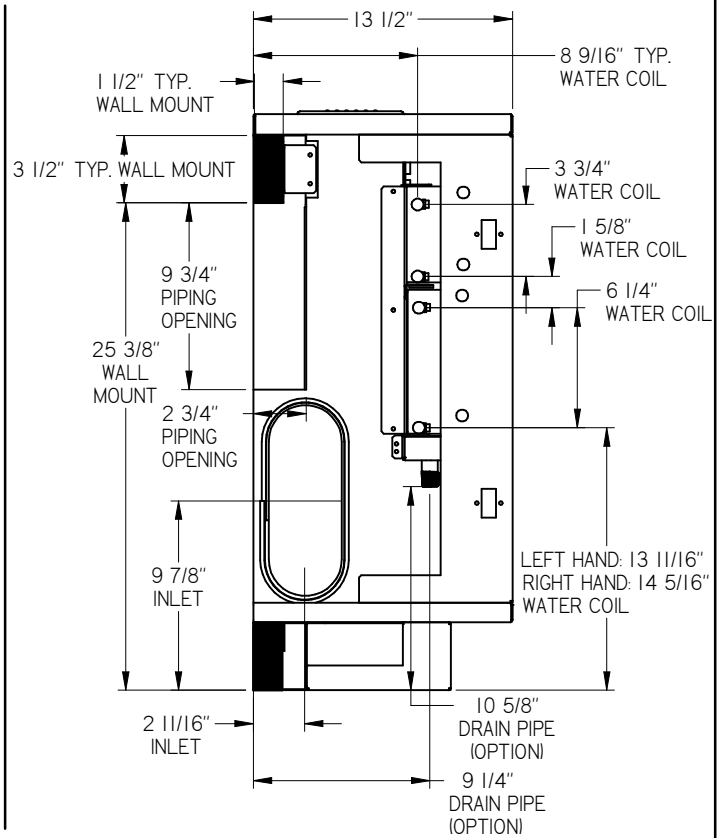
• HAND CONFIGURATION DETERMINED BY LOOKING TOWARDS FACE.

LEFT HAND COIL CONNECTION SIDE

RIGHT HAND COIL CONNECTION SIDE



ACBC 1-WAY



ACBC 2-WAY

PROJECT:



ENGINEER:

KHH

CUSTOMER:

270567

**ACBC
ACTIVE CHILLED BEAM
CABINET**

SUBMITTAL DATE:

SPEC. SYMBOL:

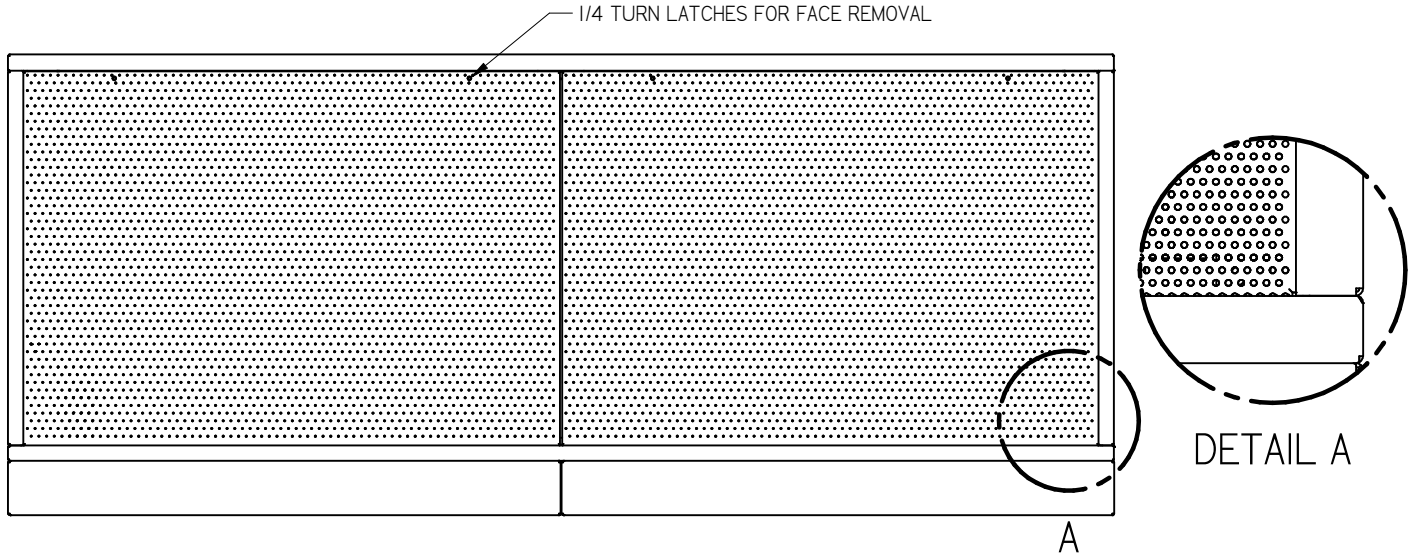
2022/02/01

ACTIVE CHILLED BEAM CABINET

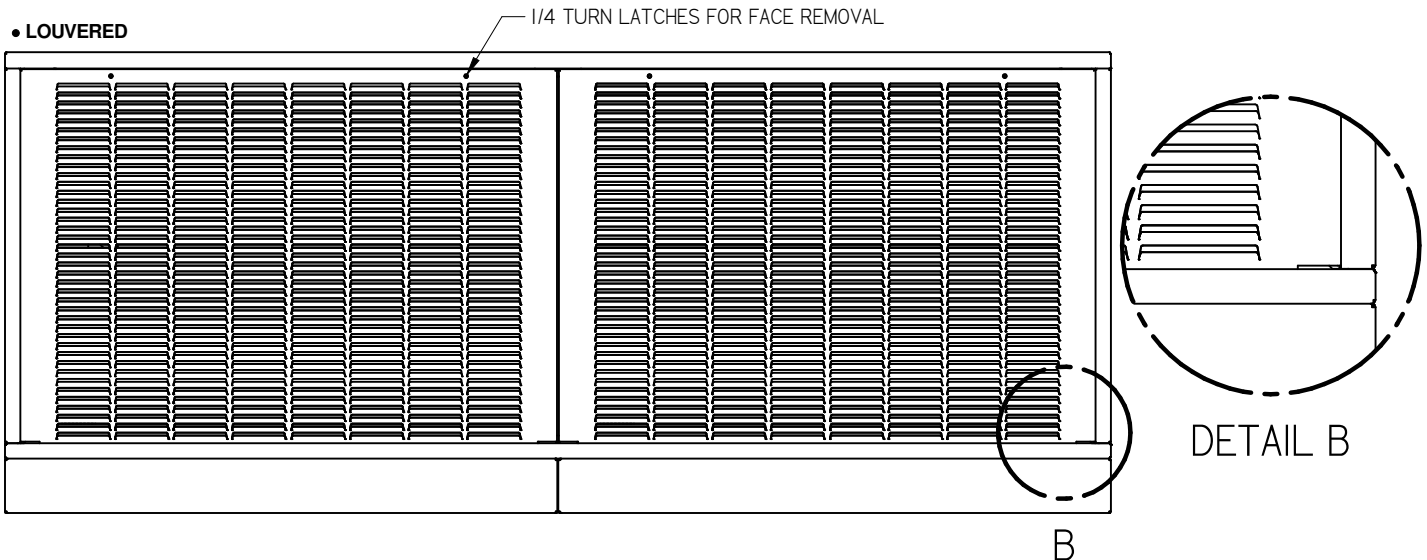
FACE STYLE:

- P - PERFORATED FACE (DEFAULT)
- LV - LOUVERED FACE

• PERFORATED



• LOUVERED



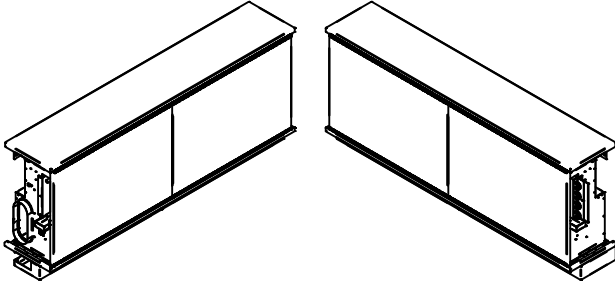
PROJECT:		PRICE	
ENGINEER:		KHH	ACBC ACTIVE CHILLED BEAM CABINET
CUSTOMER:			
SUBMITTAL DATE:	SPEC. SYMBOL:	2022/02/01	

ACTIVE CHILLED BEAM CABINET

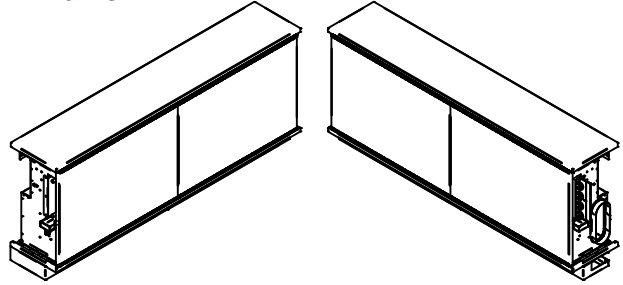
INLET LOCATION (SIDE CASING HIDDEN TO SHOW INLET):

- L - LEFT SIDE INLET
- R - RIGHT SIDE INLET
- LR - LEFT & RIGHT SIDE DUAL INLET
- TL - TOP LEFT CASING OPENING WITH LEFT SIDE INLET
- TLR - TOP LEFT CASING OPENING WITH LEFT & RIGHT SIDE DUAL INLET
- TR - TOP RIGHT CASING OPENING WITH RIGHT SIDE INLET
- TRL - TOP RIGHT CASING OPENING WITH LEFT & RIGHT SIDE DUAL INLET

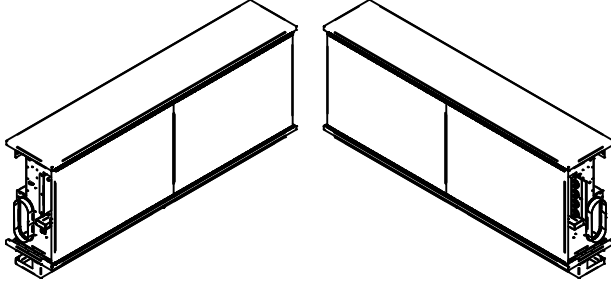
• L - LEFT SIDE INLET



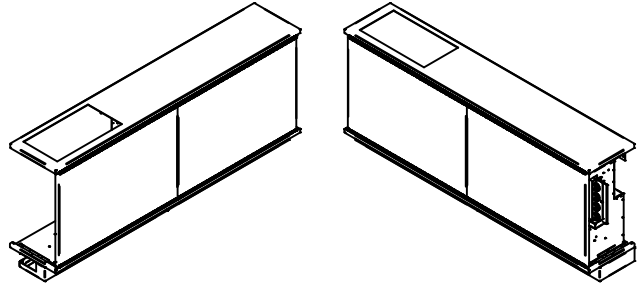
• R - RIGHT SIDE INLET



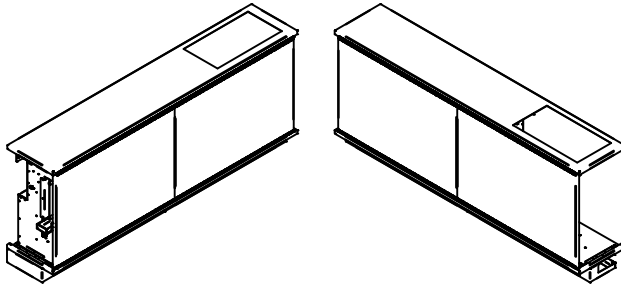
• LR - LEFT & RIGHT SIDE DUAL INLET



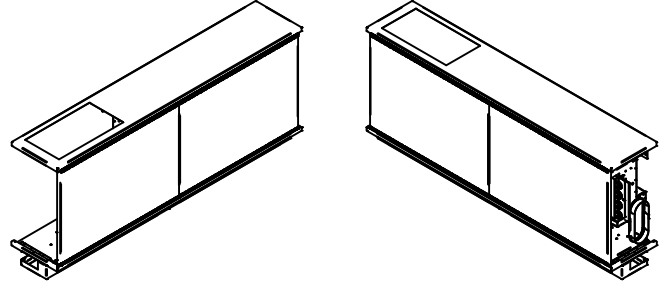
• TL - TOP LEFT CASING OPENING WITH LEFT SIDE INLET



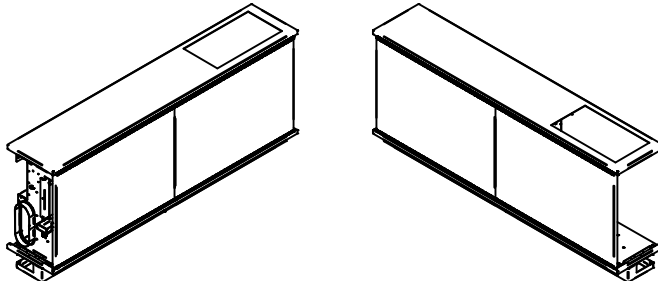
• TR - TOP RIGHT CASING OPENING WITH RIGHT SIDE INLET



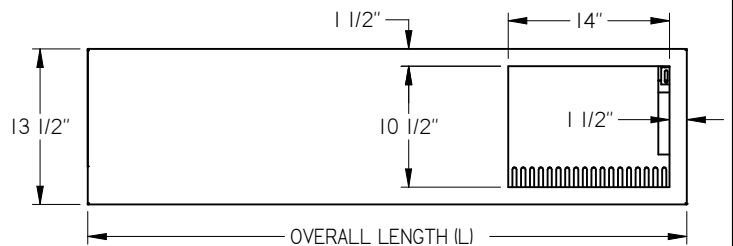
• TLR - TOP LEFT CASING OPENING WITH LEFT & RIGHT SIDE DUAL INLET



• TRL - TOP RIGHT CASING OPENING WITH LEFT & RIGHT SIDE DUAL INLET



TOP CASING OPENING DIMENSIONS (TOP VIEW)



PROJECT:

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SUBMITTAL DATE:

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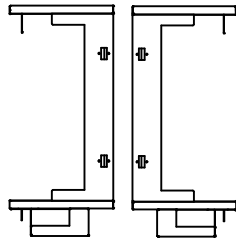
ACTIVE CHILLED BEAM CABINET

SIDE PANEL

(FOR WATER PIPES, DUCT, AND MOUNTING WOOD BLOCKS TO PASS THROUGH):

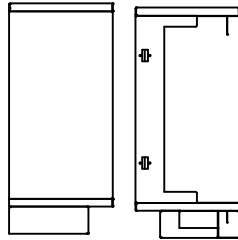
- LRO - LEFT AND RIGHT SIDE PANEL OPEN (DEFAULT)
- LC - LEFT CLOSED, RIGHT OPEN
- RC - RIGHT CLOSED, LEFT OPEN
- LRC - LEFT AND RIGHT CLOSED

• LRO
LEFT AND RIGHT OPEN



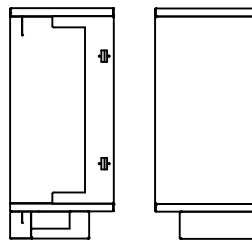
LEFT RIGHT

• LC
LEFT CLOSED, RIGHT OPEN



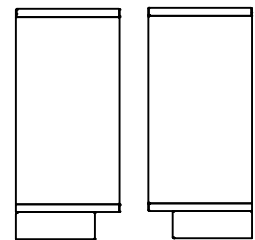
LEFT RIGHT

• RC
RIGHT CLOSED, LEFT OPEN



LEFT RIGHT

• LRC
LEFT AND RIGHT CLOSED



LEFT RIGHT

CORE SHIFT

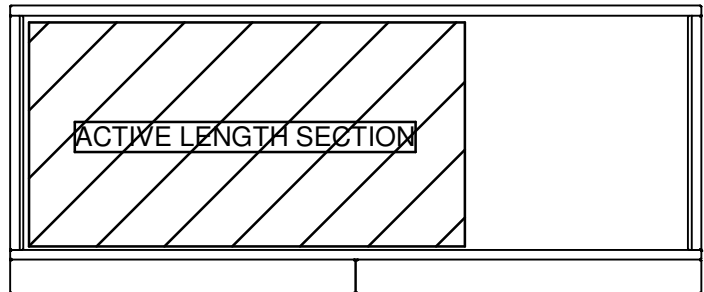
(ONLY SELECTABLE FOR FOLLOWING OVERALL LENGTH / ACTIVE LENGTH COMBINATION LISTED BELOW):

- SL - SHIFT LEFT
- SR - SHIFT RIGHT

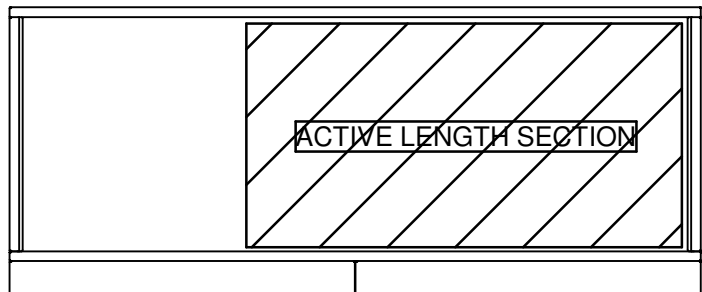
• SEE PAGE 6 FOR DISTANCE FROM INLET AND COIL CONNECTIONS TO SIDE PANEL.

OVERALL LENGTH	ACTIVE LENGTH
60.000	36.000
67.750 (1500)	36.000
72.000	48.000
87.438 (2000)	60.000

• SL - SHIFT LEFT



• SR - SHIFT RIGHT



PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

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PRICE

KHH

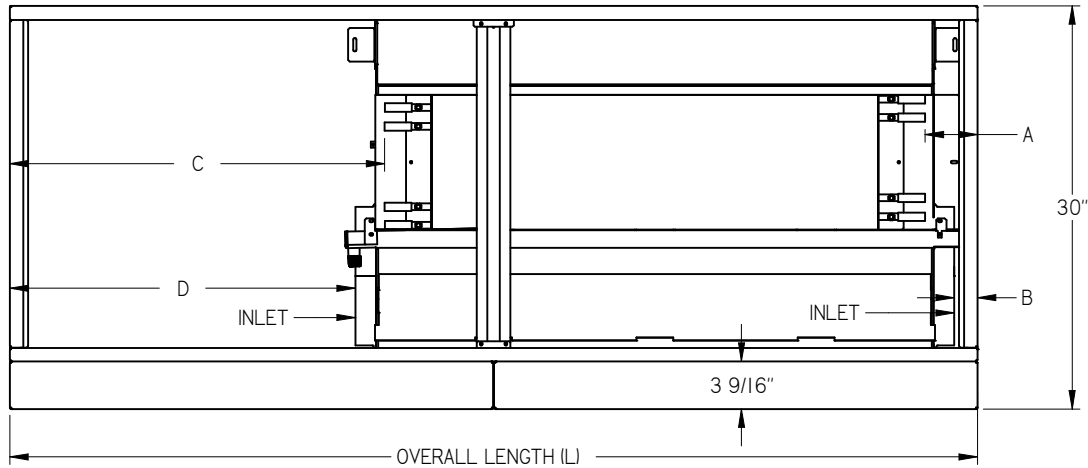
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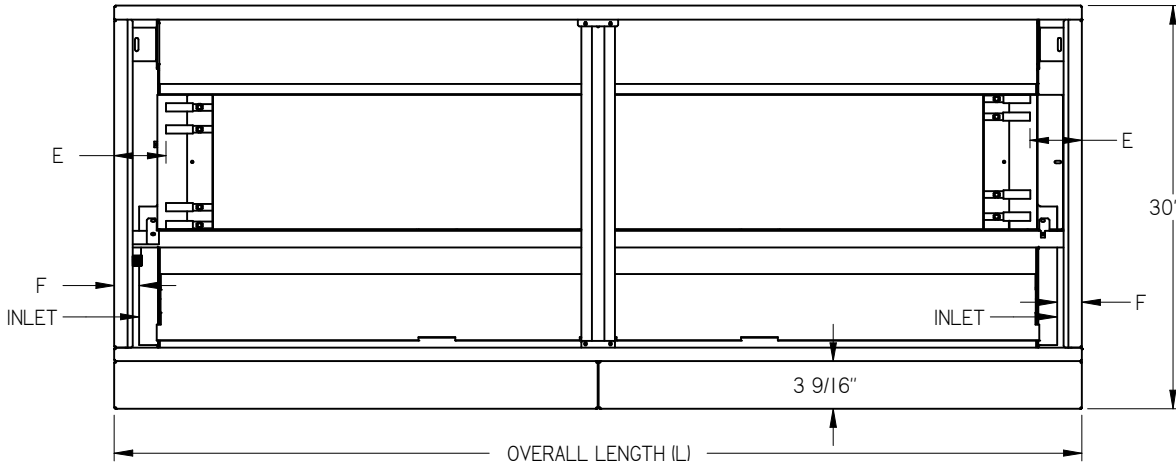
ACTIVE CHILLED BEAM CABINET

FOR ACBC WITH TOP INLET OR CORE SHIFT
(FACE HIDDEN)



OVERALL LENGTH (L)	ACTIVE LENGTH	"A" (SIDE TO COIL)	"B" (SIDE TO INLET)	"C" (SIDE TO COIL)	"D" (SIDE TO INLET)
60.000	36.000	3 13/16	1 3/4	27 13/16	25 3/4
67.750 (1500)	36.000	7 11/16	5 5/8	31 11/16	29 5/8
72.000	48.000	3 13/16	1 3/4	27 13/16	25 3/4
87.438 (2000)	60.000	5 9/16	3 7/16	29 9/16	27 7/16

FOR ACBC WITHOUT TOP INLET AND CORE SHIFT
(FACE HIDDEN)



OVERALL LENGTH (L)	ACTIVE LENGTH	"E" (SIDE TO COIL)	"F" (SIDE TO INLET)
60.000	60.000	3 13/16	1 3/4
67.750 (1500)	60.000	7 11/16	5 5/8
72.000	72.000	3 13/16	1 3/4
87.438 (2000)	84.000	5 9/16	3 7/16

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

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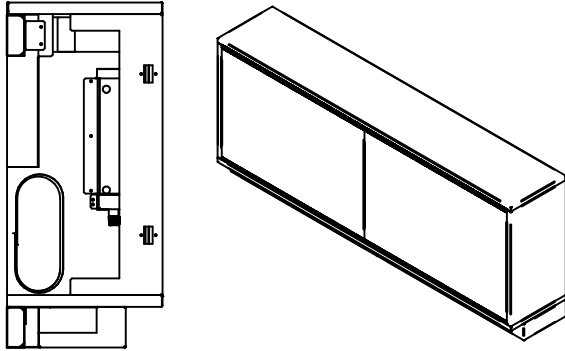
ACBC
ACTIVE CHILLED BEAM
CABINET

ACTIVE CHILLED BEAM CABINET

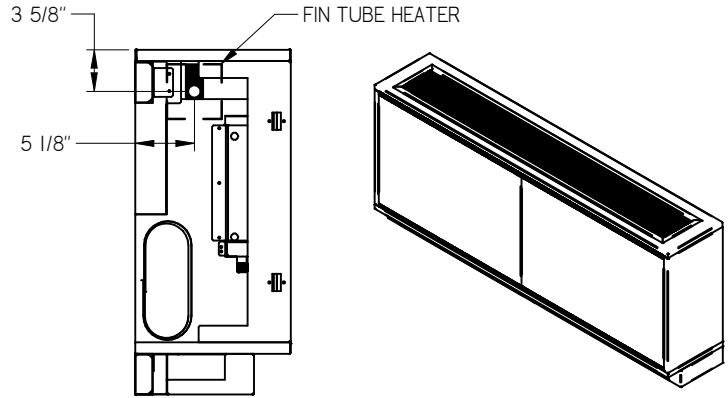
FIN TUBE HEATER (ONLY SELECTABLE FOR 1-WAY DISCHARGE):

- NONE (DEFAULT)
- FTH - FIN TUBE HEATER (1" NOM. COPPER TUBE. FLARED ONE END TO ACCEPT 1" NOM. COPPER TUBE)

• **STANDARD**



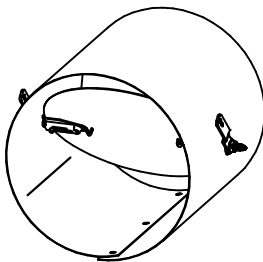
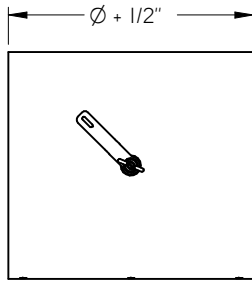
• **FIN TUBE HEATER**



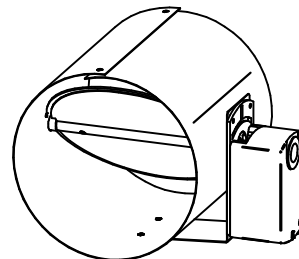
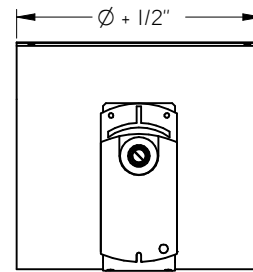
INLET DAMPER (SHIPPED LOOSE):

(DAMPERS SHOULD NOT BE MOUNTED DIRECTLY TO THE INLET AND SHOULD ONLY BE USED FOR TRIMMING AIRFLOW)

- MQ6 - 6" DAMPER W/ MANUAL LOCKING QUADRANT
- MQ8 - 8" DAMPER W/ MANUAL LOCKING QUADRANT



- VAV6 - 6" DAMPER W/ 24VAC FLOATING POINT ACTUATOR
- VAV8 - 8" DAMPER W/ 24VAC FLOATING POINT ACTUATOR



PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:



KHH

270567

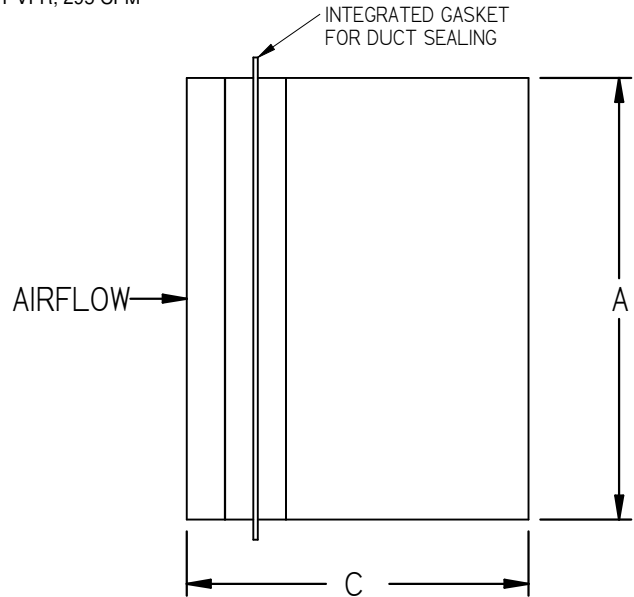
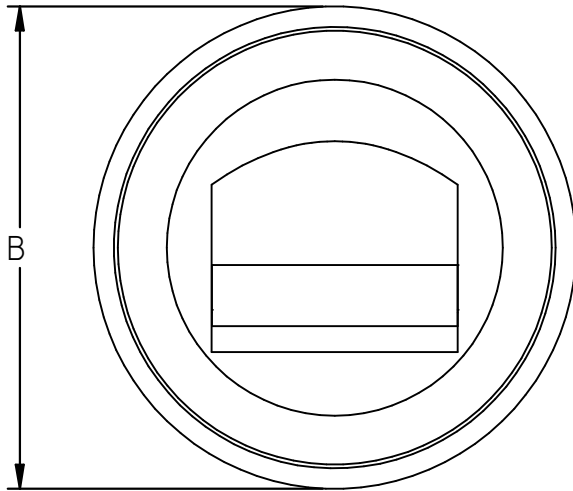
2022/02/01

ACBC
ACTIVE CHILLED BEAM
CABINET

ACTIVE CHILLED BEAM CABINET

VOLUME FLOW REGULATOR (SHIPPED LOOSE):

- | | |
|--|--|
| <input type="checkbox"/> NONE (DEFAULT) | <input type="checkbox"/> VFR8-125 - 8" DUCT VFR, 125 CFM |
| <input type="checkbox"/> VFR6-75 - 6" DUCT VFR, 75 CFM | <input type="checkbox"/> VFR8-140 - 8" DUCT VFR, 140 CFM |
| <input type="checkbox"/> VFR6-90 - 6" DUCT VFR, 90 CFM | <input type="checkbox"/> VFR8-160 - 8" DUCT VFR, 160 CFM |
| <input type="checkbox"/> VFR6-105 - 6" DUCT VFR, 105 CFM | <input type="checkbox"/> VFR8-175 - 8" DUCT VFR, 175 CFM |
| <input type="checkbox"/> VFR6-125 - 6" DUCT VFR, 125 CFM | <input type="checkbox"/> VFR8-205 - 8" DUCT VFR, 205 CFM |
| <input type="checkbox"/> VFR6-140 - 6" DUCT VFR, 140 CFM | <input type="checkbox"/> VFR8-235 - 8" DUCT VFR, 235 CFM |
| <input type="checkbox"/> VFR6-160 - 6" DUCT VFR, 160 CFM | <input type="checkbox"/> VFR8-265 - 8" DUCT VFR, 265 CFM |
| <input type="checkbox"/> VFR6-175 - 6" DUCT VFR, 175 CFM | <input type="checkbox"/> VFR8-295 - 8" DUCT VFR, 295 CFM |



Duct Size	A	B	C	AIRFLOW SELECTIONS (CFM)
6" (150)	5.800	6.100	3.500	75, 90, 105, 125, 140, 160, 175
8" (200)	7.600	8.100	3.500	125, 140, 160, 175, 205, 235, 265, 295

STANDARD CONSTRUCTION:

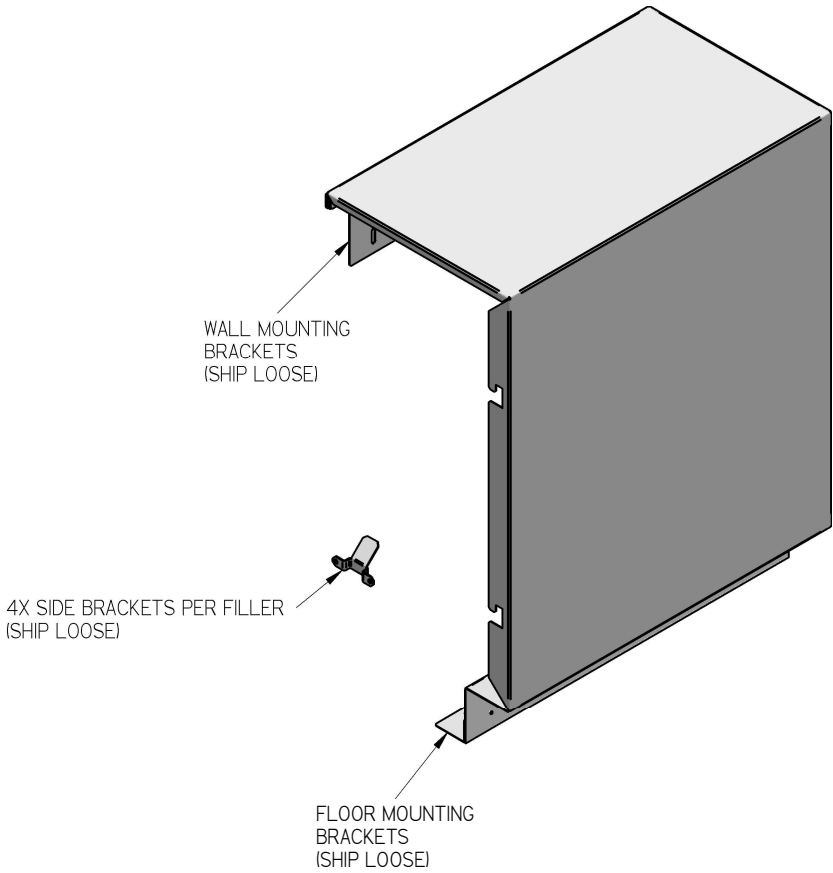
- BLACK ABS PLASTIC, UL94V-0 RATED
- UL2043 LISTED
- SIZED TO FIT INSIDE STANDARD RIGID ROUND DUCTING
- INTEGRATED GASKET FOR SEALING AGAINST INSIDE OF DUCT

PERFORMANCE:

- CONTROLS AIRFLOW WITHIN 10% OF RATED FLOW (15% FOR UNITS 50CFM OR LESS) FOR 0.2" TO 0.8" W.C.

PROJECT:		PRICE	
ENGINEER:		KHH	ACBC ACTIVE CHILLED BEAM CABINET
CUSTOMER:			
SUBMITTAL DATE:	SPEC. SYMBOL:	2022/02/01	

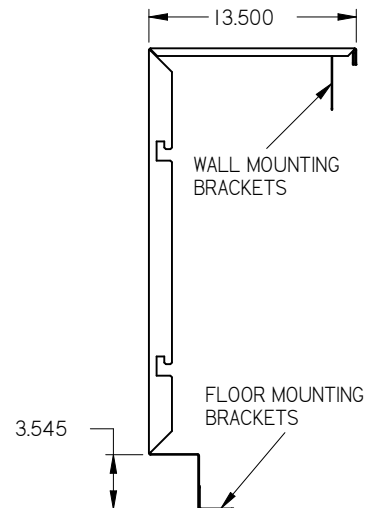
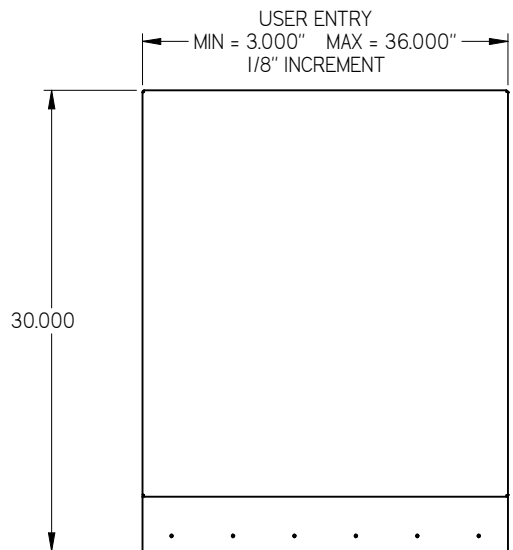
ACTIVE CHILLED BEAM CABINET FILLER UNIT



STANDARD CONSTRUCTION:
 • 16 GAUGE CONSTRUCTION (STEEL)

NOTES:
 • FACTORY TOLERANCE +/- 1/32

FINISH:
 B12 - WHITE POWDER PAINT
 SPL - SPECIAL COLOR PAINT



PROJECT:



ENGINEER:

KHH

CUSTOMER:

270569

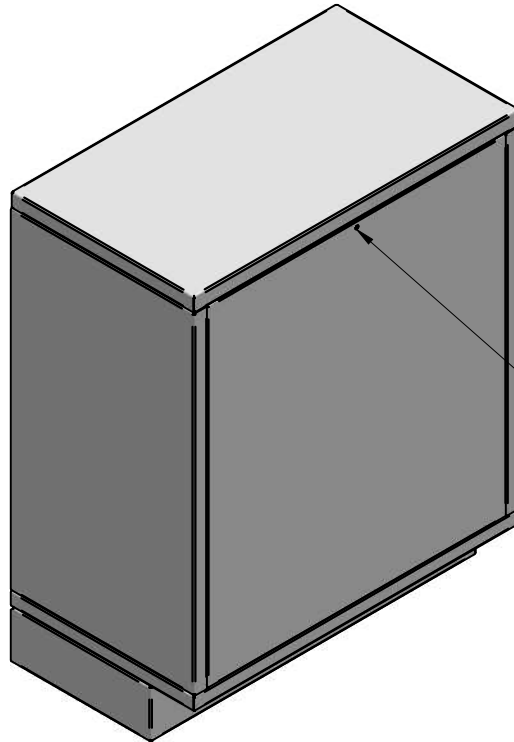
ACBCFL
ACTIVE CHILLED BEAM
CABINET FILLER UNIT

SUBMITTAL DATE:

SPEC. SYMBOL:

2022/11/08

ACTIVE CHILLED BEAM CABINET UTILITY CABINET



ACCESS DOOR
(1/4 TURN LATCH FOR ACCESS)

STANDARD CONSTRUCTION:
• 16 GAUGE CONSTRUCTION (STEEL)

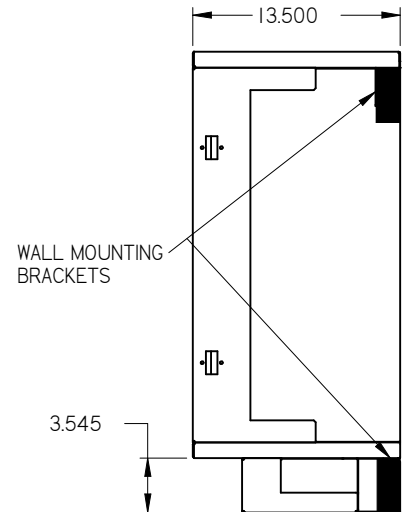
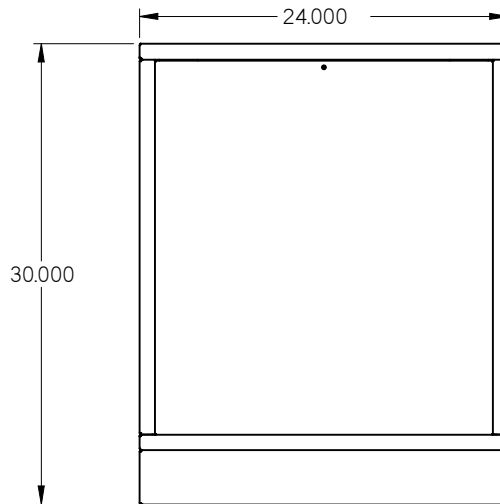
NOTES:
• FACTORY TOLERANCE +/- 1/32

INLET LOCATION (SEE PAGE 2):

- L - LEFT
- R - RIGHT
- LR - LEFT & RIGHT
- TL - TOP LEFT
- TR - TOP RIGHT
- TLR - TOP LEFT & RIGHT

FINISH:

- B12 - WHITE POWDER PAINT
- SPL - SPECIAL COLOR PAINT

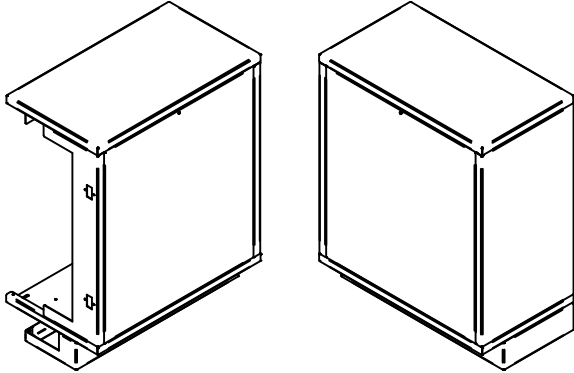


PROJECT:		PRICE [®]	
ENGINEER:		KHH	ACBCUC
CUSTOMER:		270570	ACTIVE CHILLED BEAM CABINET UTILITY CABINET
SUBMITTAL DATE:	SPEC. SYMBOL:	2019/04/29	

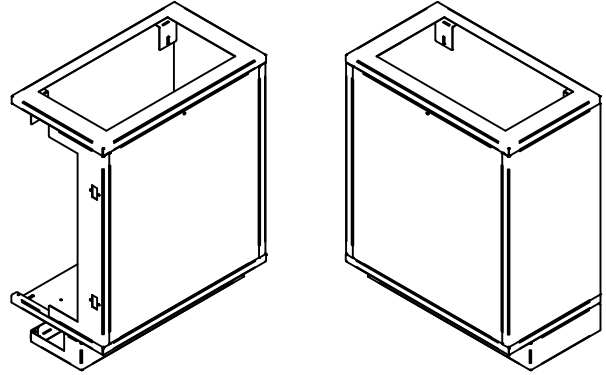
ACTIVE CHILLED BEAM CABINET UTILITY CABINET

INLET LOCATION OPTIONS:

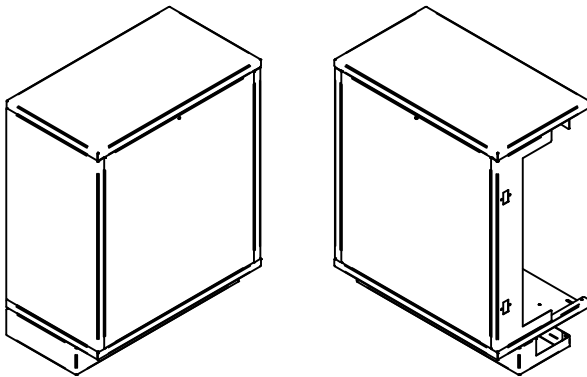
• L - LEFT



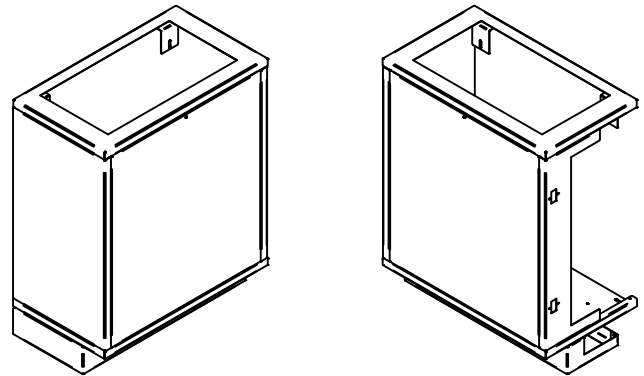
• TL - TOP LEFT



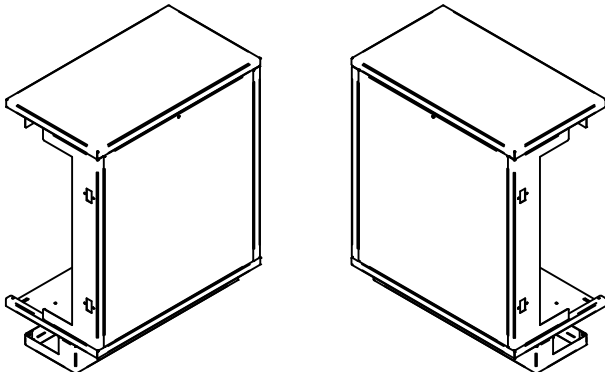
• R - RIGHT



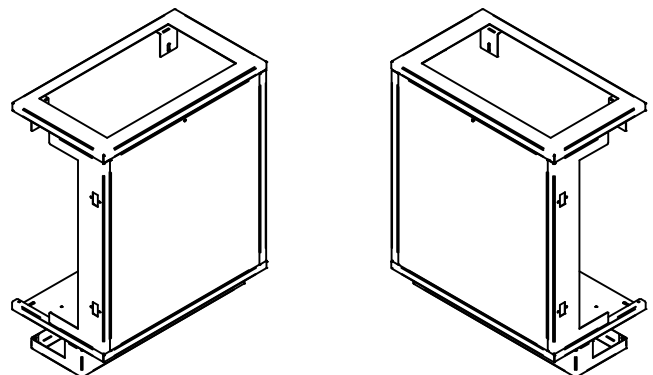
• TR - TOP RIGHT



• LR - LEFT & RIGHT



• TLR - TOP LEFT & RIGHT



PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:



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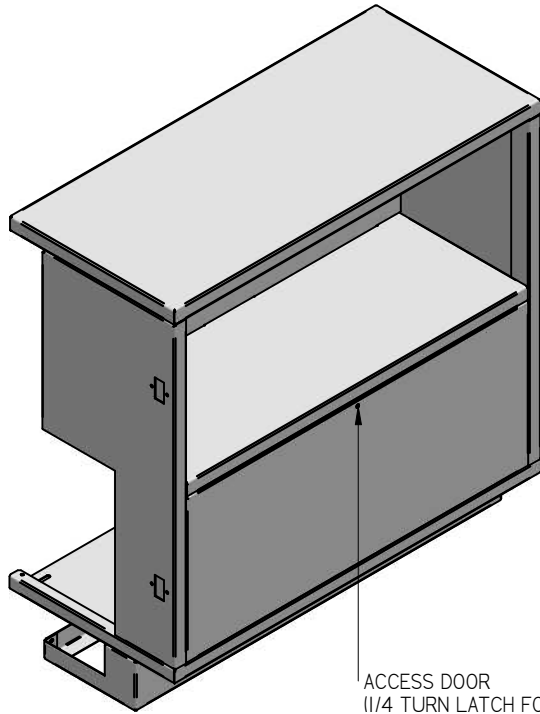
270570

2019/04/29

ACBCUC

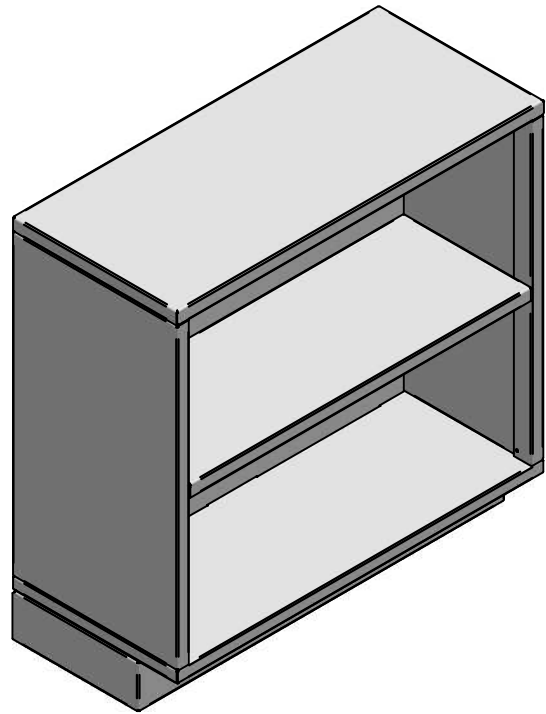
**ACTIVE CHILLED BEAM
CABINET UTILITY CABINET**

ACTIVE CHILLED BEAM CABINET BOOKSHELF



ACCESS DOOR
(1/4 TURN LATCH FOR ACCESS)

ACTIVE BOOKSHELF SHOWN



INACTIVE BOOKSHELF SHOWN

STANDARD CONSTRUCTION:
• 16 GAUGE CONSTRUCTION (STEEL)

NOTES:
• FACTORY TOLERANCE +/- 1/32

SUB MODEL:
 AB - ACTIVE BOOKSHELF
 IB - INACTIVE BOOKSHELF

INLET LOCATION (SEE PAGE 3):
 L - LEFT (SELECTABLE ONLY FOR INACTIVE BOOKSHELF)
 R - RIGHT (SELECTABLE ONLY FOR INACTIVE BOOKSHELF)
 LR - LEFT & RIGHT

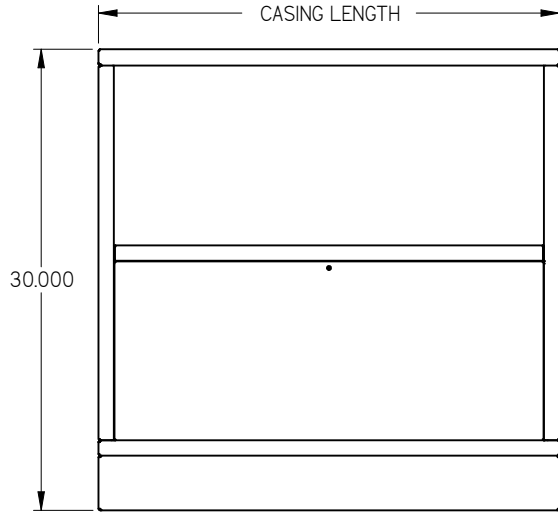
FINISH:
 B12 - WHITE POWDER PAINT
 SPL - SPECIAL COLOR PAINT

CASING LENGTH
24.000
30.000
36.000

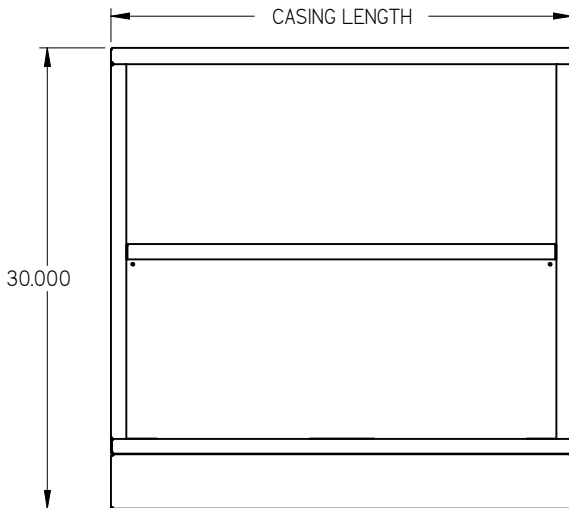
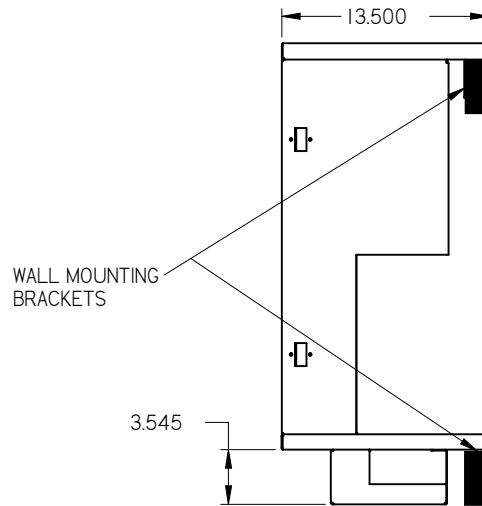
PROJECT:		PRICE [®]	
ENGINEER:		KHH	ACBCBK ACTIVE CHILLED BEAM CABINET BOOKSHELF
CUSTOMER:		270571	
SUBMITTAL DATE:	SPEC. SYMBOL:	2019/04/29	

ACTIVE CHILLED BEAM CABINET BOOKSHELF

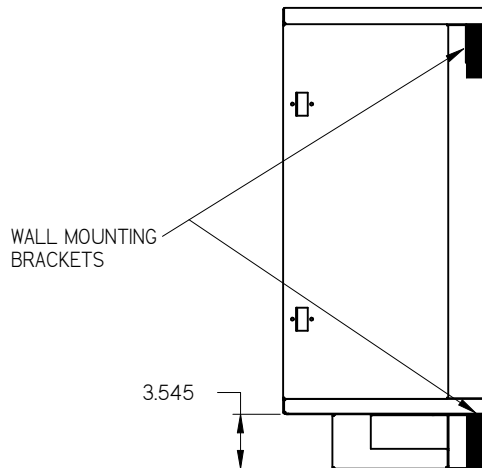
CASING LENGTH
24.000
30.000
36.000



ACTIVE BOOKSHELF SHOWN



INACTIVE BOOKSHELF SHOWN



PROJECT:



ENGINEER:

KHH

CUSTOMER:

270571

ACBCBK
ACTIVE CHILLED BEAM
CABINET BOOKSHELF

SUBMITTAL DATE:

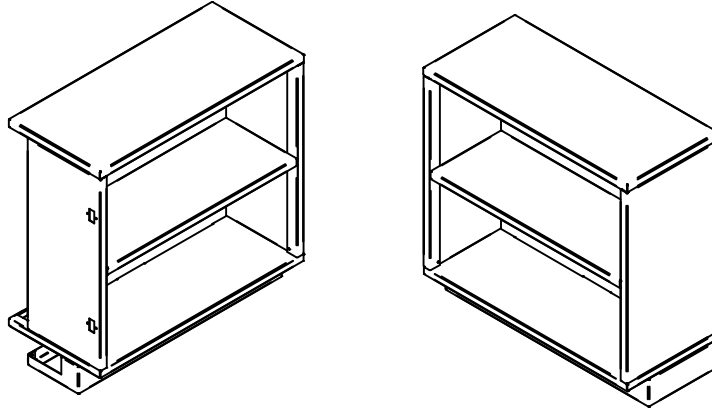
SPEC. SYMBOL:

2019/04/29

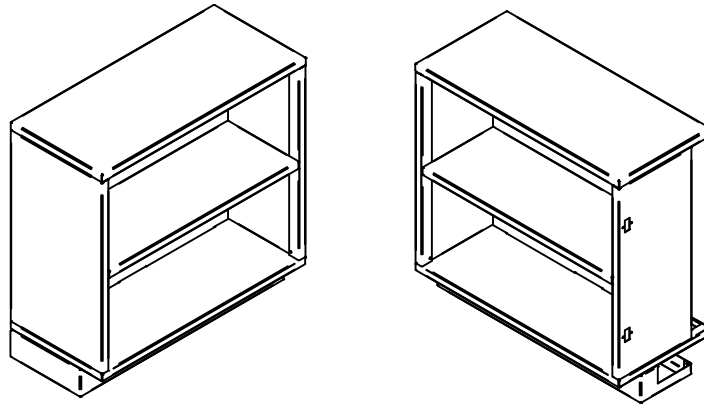
ACTIVE CHILLED BEAM CABINET BOOKSHELF

INLET LOCATION:

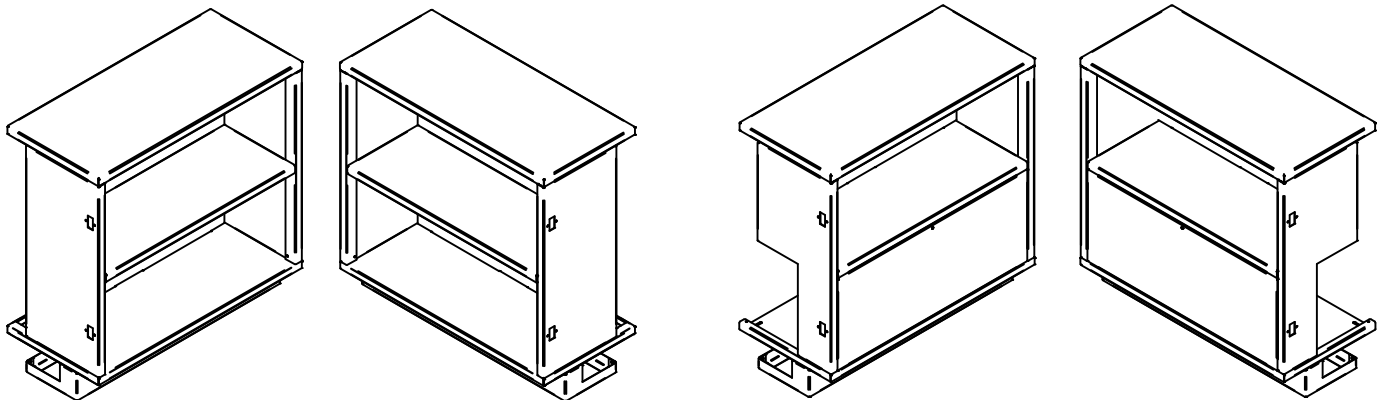
- L - LEFT (INACTIVE BOOKSHELF ONLY)



- R - RIGHT (INACTIVE BOOKSHELF ONLY)



- LR - LEFT & RIGHT (ACTIVE & INACTIVE BOOKSHELF)



PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:



KHH

270571

2019/04/29

ACBCBK
ACTIVE CHILLED BEAM
CABINET BOOKSHELF