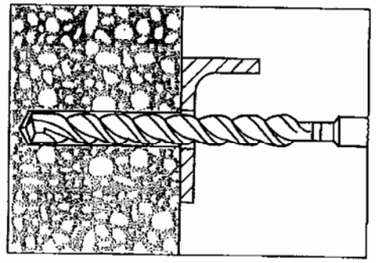
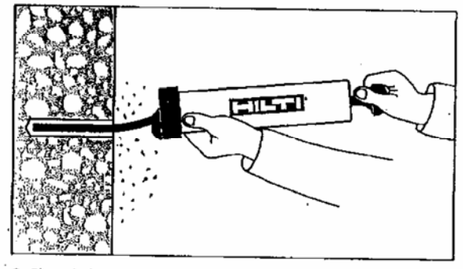
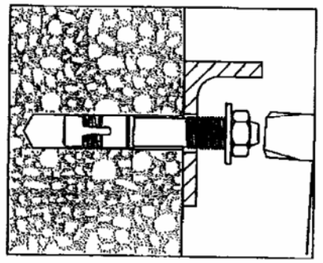
## Kwik Bolt 3 Expansion Anchor Installation Instructions



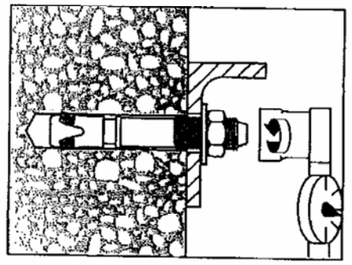
1. Hammer drill a hole to the same nominal diameter as the Kwik Bolt 3. The hole depth must exceed the anchor embedment by at least one diameter. The fixture may be used as a drilling template to ensure proper anchor location.



2. Clean hole.



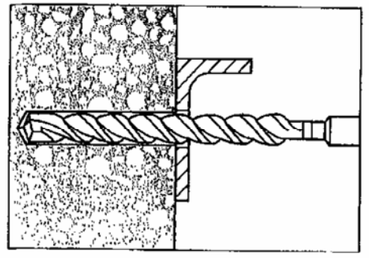
3. Drive the Kwik Bolt 3 into the hole using a hammer. The anchor must be driven until at least six threads are below the surface of the fixture.



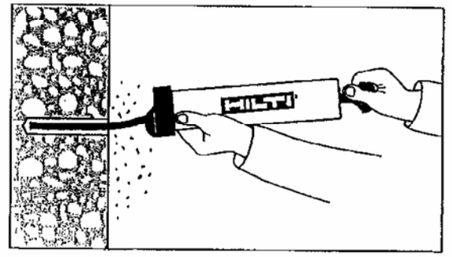
4. Tighten the nut to the recommended installation torque.

| DESIGN INFORMATION | Units | Nominal Anchor Diameter | | | | |
|---|---|---|---|---|---|---|
| | | 1/4 | 3/8 | 1/2 | 5/8 | 3/4 |
| Installation torque | ft*lb | 4 | 20 | 40 | 60 | 110 |
| | (Nm) | (5) | (27) | (54) | (81) | (149) |

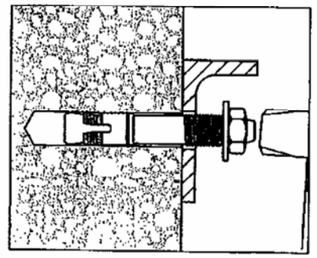
## Kwik Bolt TZ Anchor Installation Instructions into normal-weight and lightweight concrete



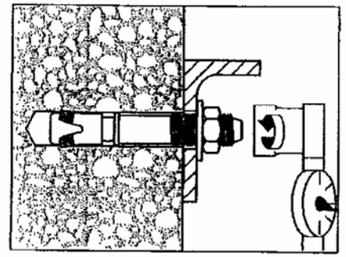
1. Hammer drill a hole to the same nominal diameter as the Kwik Bolt TZ. The hole depth must exceed the anchor embedment by at least 1/4 inch. The fixture may be used as a drilling template to ensure proper anchor location.



2. Clean hole.



3. Drive the Kwik Bolt TZ into the hole using a hammer. The anchor must be driven until at least 4 threads are below the surface of the fixture.



4. Tighten the nut to the recommended installation torque.

| SETTING INFORMATION | Units | Nominal anchor diameter (in.) | | | |
|---|---|---|---|---|---|
| | | 3/8 | 1/2 | 5/8 | 3/4 |
| Installation torque | ft-lb | 25 | 40 | 60 | 110 |
| | (Nm) | (34) | (54) | (81) | (149) |

SOUTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB

FEB 26 2026

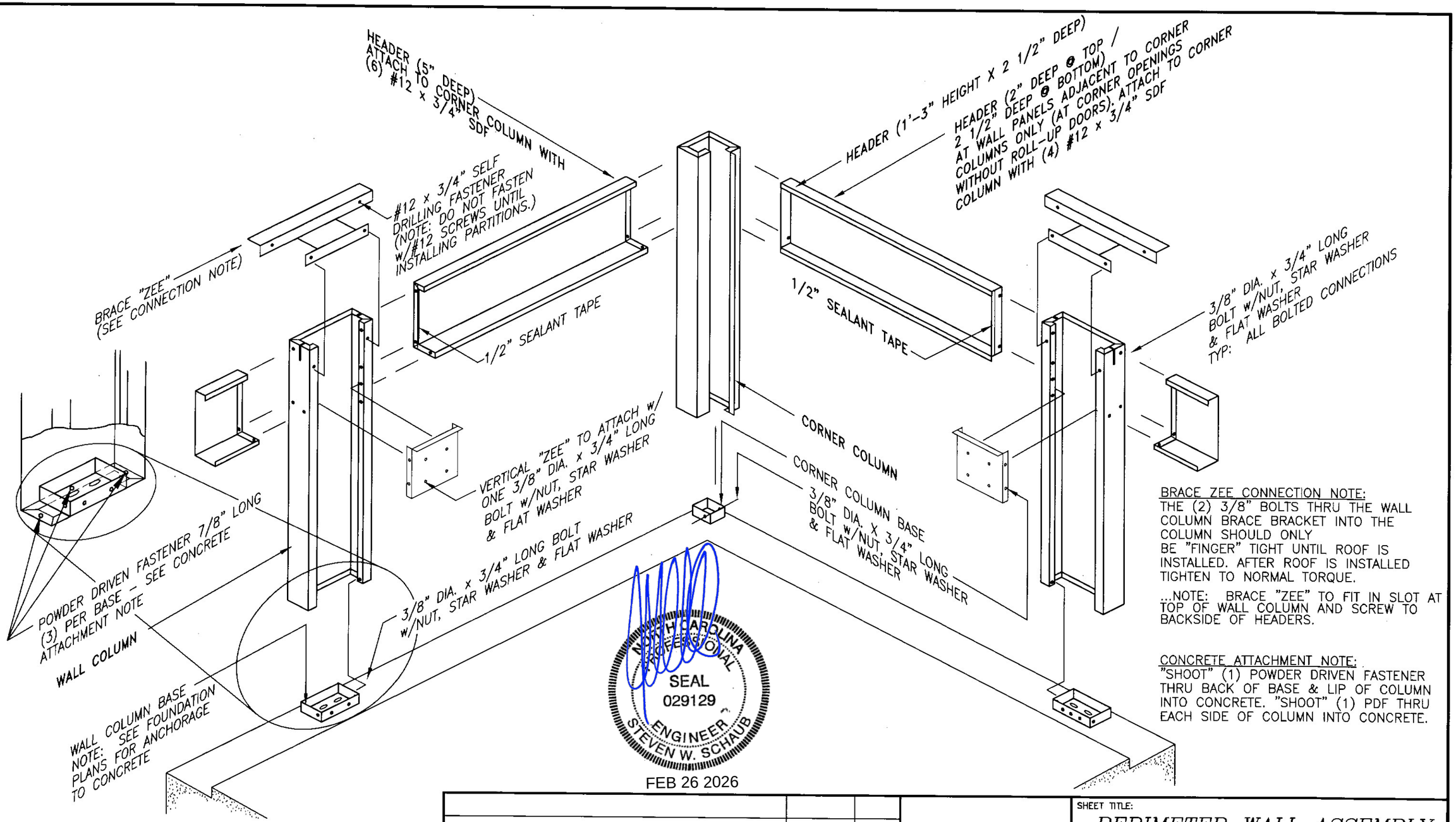
RELEASE FOR CONSTRUCTION DATE 2/23/2026

| REVISIONS | DATE | BY |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

SHEET TITLE: Kwik Bolt Anchor Installation Instructions

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| BDL | | ERC016X |
| SCALE: NTS | DATE: 11/8/2011 | |




BRACE ZEE CONNECTION NOTE:
THE (2) 3/8" BOLTS THRU THE WALL COLUMN BRACE BRACKET INTO THE COLUMN SHOULD ONLY BE "FINGER" TIGHT UNTIL ROOF IS INSTALLED. AFTER ROOF IS INSTALLED TIGHTEN TO NORMAL TORQUE.

...NOTE: BRACE "ZEE" TO FIT IN SLOT AT TOP OF WALL COLUMN AND SCREW TO BACKSIDE OF HEADERS.

CONCRETE ATTACHMENT NOTE:
"SHOOT" (1) POWDER DRIVEN FASTENER THRU BACK OF BASE & LIP OF COLUMN INTO CONCRETE. "SHOOT" (1) PDF THRU EACH SIDE OF COLUMN INTO CONCRETE.

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB

FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

SHEET TITLE:
# *PERIMETER WALL ASSEMBLY*
## *All Eave Heights*

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J Pope | | *ERC100X* |
| SCALE: NTS | DATE: 6/17/94 | |

CONTROL JOINT BRACE (S20139)
ATTACH TO HEADERS w/(2)
#12 x 7/8" SDF AT EACH HEADER
(TOTAL OF 4 SCREWS)
...FIELD NOTCH IF NECESSARY TO FIT OVER
CONTROL JOINT COLUMN...SEE ISOMETRIC
VIEW BELOW...NOTE: LOCATION OF NOTCHES
TO BE DETERMINED FROM WIDTH OF C.J. COLUMN

CONTROL JOINT COLUMN (HALF)

CONTROL JOINT COLUMN (HALF)

C.J. COLUMN EXPANSION TRIM

#10 x 5/8" SDF (PP) (8) EACH SIDE

SLAB RECESS

HEADER

SEALANT TAPE
1/8" thick x 1/2" wide

C.J.C. EXPANSION TRIM

7/8" PDF (2) EA. SIDE

#10 x 5/8" SDF (PP)
(4) EACH SIDE

CONTROL JOINT BRACE
FOR ROOF PAN
ATTACHMENT AT TOP OF
COLUMN . . . FASTEN TO
HEADER WITH #12 x 7/8"
SDF EACH END
(SEE ISOMETRIC VIEW)

#12 x 7/8" SDF

3/8" DIA. x 3/4" LG. BOLT,
NUT, FLAT WASHER &
STAR WASHER

FIELD CUT ANGLE SA-2 FOR
VERTICAL "ZEE" ATTACHMENT
AT WALL COLUMNS. . .POSITION
ACCORDING TO "VZ" LENGTH
FASTEN TO C.J. COLUMN w/(2)
#12 x 7/8" SDF EA. END. . .

CONTROL JOINT COLUMN (HALF)

CONTROL JOINT COLUMN (HALF)

FIELD CUT ANGLE SA-2 FOR
VERTICAL "ZEE" ATTACHMENT
AT BASE OF COLUMN. . .
"SHOOT" TO FOUNDATION
w/(2) 7/8" PDF. . .

C.J.C. EXPANSION TRIM

C.J.C. EXPANSION TRIM
BRACKET...(2) REQUIRED...
(1) AT 1/3 OF COLUMN HGT.
& (1) AT 2/3 OF COLUMN HGT.

#12 x 7/8" SDF
(2) PER BRACKET

#12 x 7/8" SDF
(4) PER ANGLE

1/2" DIA. x 3 3/4" LG.
WEDGE ANCHOR

NORTH CAROLINA
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SEAL
029129
ENGINEER
STEVEN W. SCHAUB
FEB 26 2026

NOTE: ADJUSTABLE "CONTROL JOINT COLUMNS" (C.J.C.'s) ARE TO BE USED IN LIEU OF SIDEWALL COLUMNS IN LOCATIONS OPPOSING EACH OTHER (WHERE APPLICABLE). THE C.J.C.'S ALLOW YOU TO LENGTHEN OR SHORTEN THE OVERALL LENGTH OF THE BLDG. BY UP TO 2". THIS GIVES YOU THE ABILITY TO MAKE ADJUSTMENTS FOR A SLAB THAT IS NOT EXACTLY THE DIMENSIONS SPECIFIED.

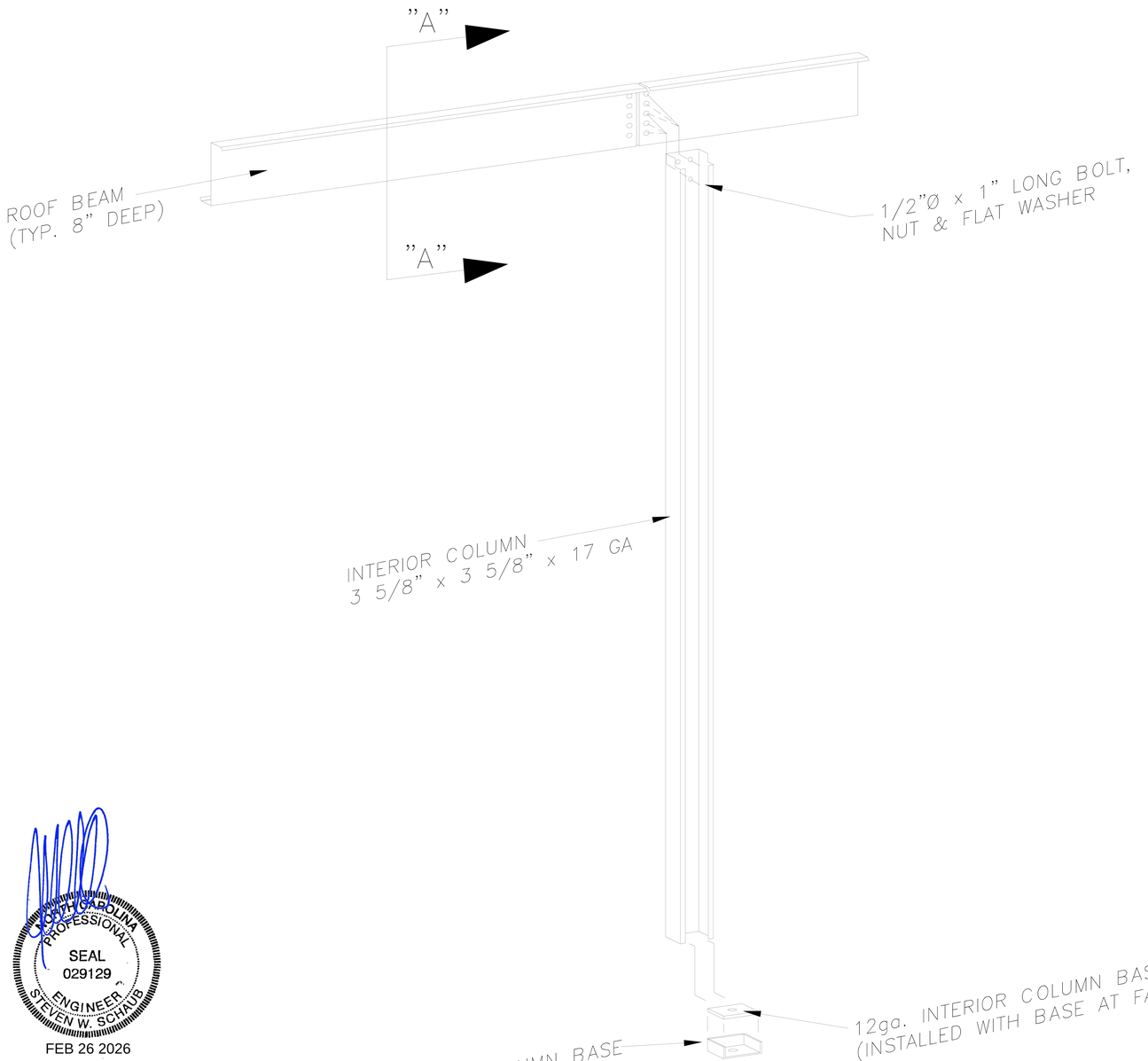
DO NOT INSTALL WEDGE ANCHORS IN C.J.C. LOCATIONS UNTIL COLUMNS ARE IN PLACE & ADJUSTED AS REQUIRED.

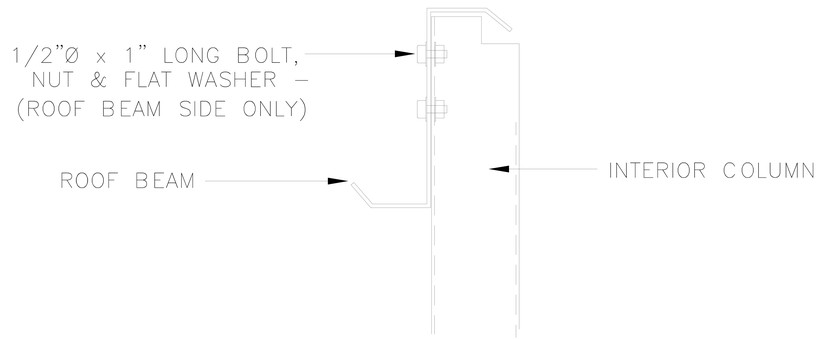
| REVISIONS | DATE | BY |
|---|---|---|
| 4 ADDED SDF'S TO CJC TRIM | 11/15/05 | CM |
| 3 CHANGED W/A LENGTH TO 3 3/4" | 4/30/03 | RSG |
| 2 GENERAL REVISIONS | 11/22/99 | JAB |
| 1 GENERAL REVISIONS | 3-8-99 | FOX |

BETCO, INC.
BUILDING THE FUTURE OF SELF STORAGE
P.O. BOX 1650
STATESVILLE,NC 28687

SHEET TITLE:
# CONTROL JOINT COLUMN AND TRIM INSTALLATION

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| K.D.W. | | ERC105X |
| SCALE: NTS | DATE: 8/1/94 | |




SECTION
"A" – "A"

NOTE: SEE BUILDING CROSS SECTION FOR COLUMN HEIGHT & ROOF BEAM HGT. ABOVE FINISHED FLOOR

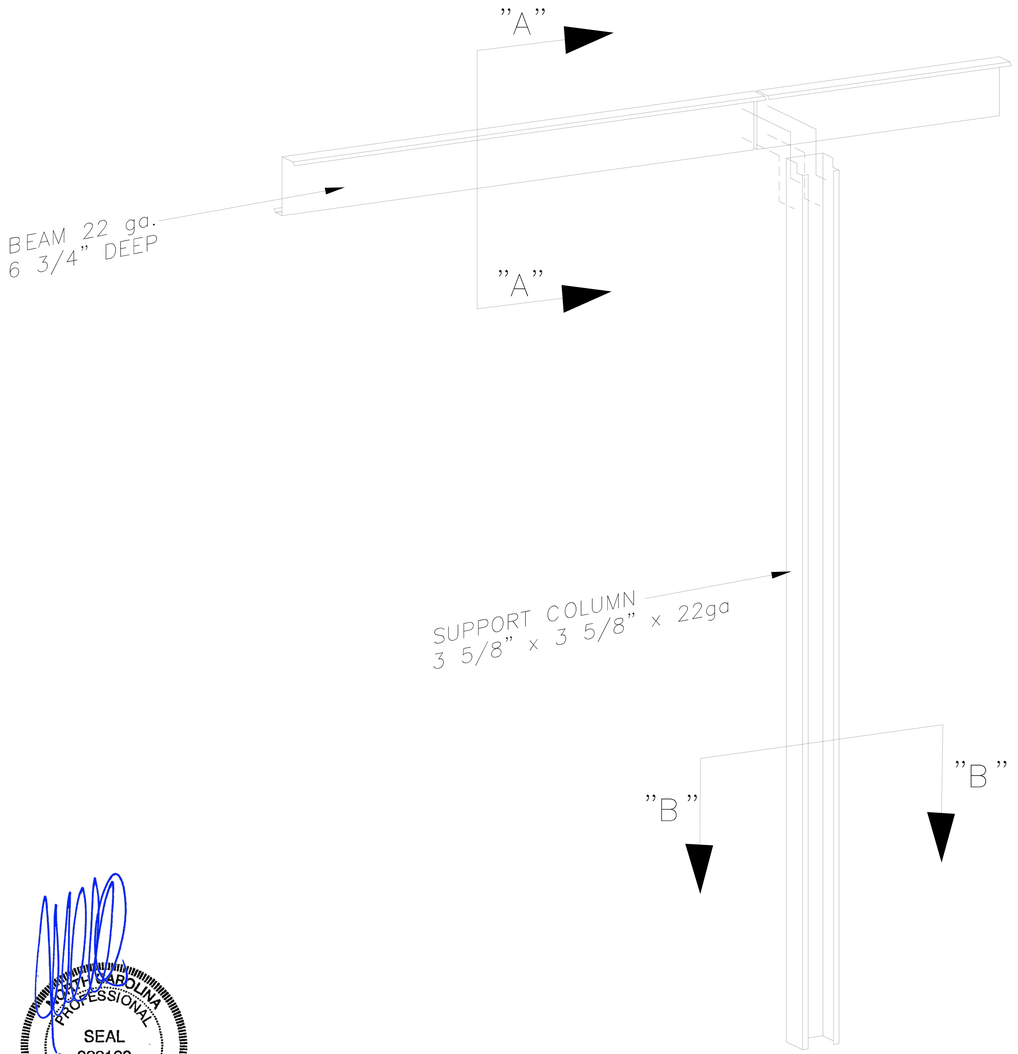
NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

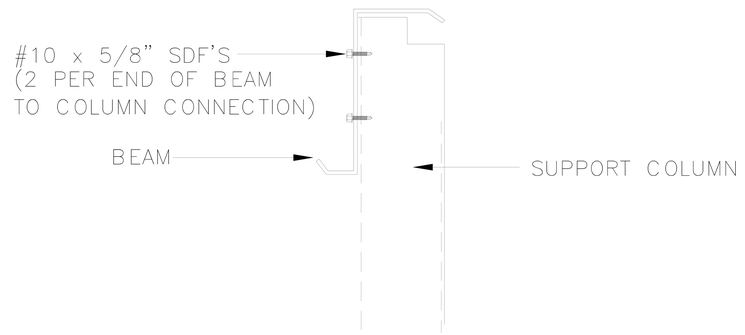
| REVISIONS | DATE | BY |
|---|---|---|
| 3 REVISED COLUMN SIZE | 8-29-02 | BAM |
| 2 DETAIL REVISIONS | 3-16-99 | FOX |
| 1 GENERAL REVISIONS | 3-9-99 | FOX |

BETCO, INC.
P.O. BOX 1650
STATESVILLE, NC 28687

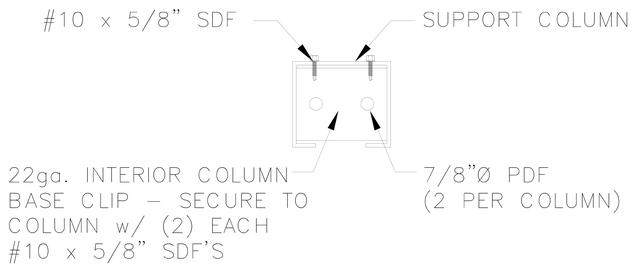
SHEET TITLE: *Interior Column Installation All Heights*

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J POPE | | ERC110X |
| SCALE: NTS | DATE: 1/30/98 | |




SECTION
"A" – "A"




SECTION
"B" – "B"

NOTE: SEE BUILDING CROSS SECTION FOR COLUMN HEIGHT AND FOR ROOF BEAM HEIGHT ABOVE FINISHED FLOOR

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

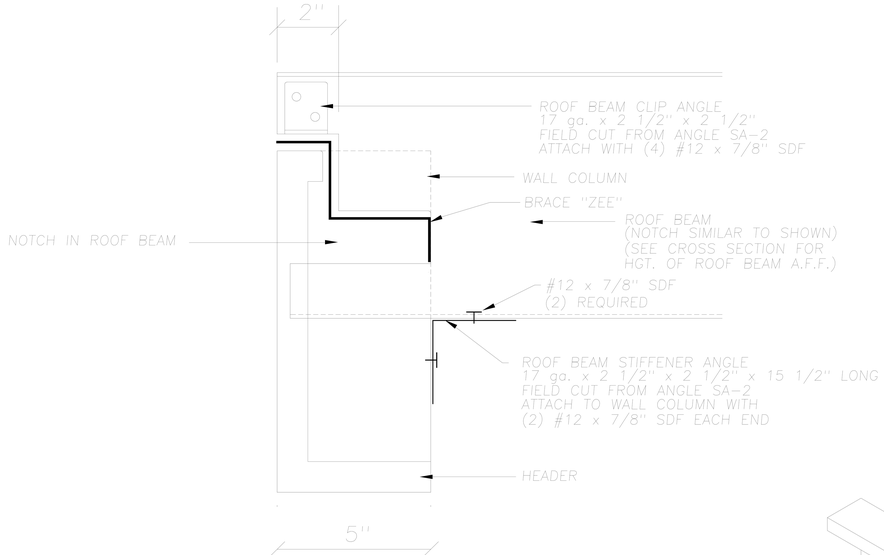
| REVISIONS | DATE | BY |
|---|---|---|
| 4 REVISED COLUMN SIZE | 8/29/02 | BAM |
| 3 GENERAL REVISIONS | 3/6/02 | BDS |
| 2 REMOVED HOLES FROM BEAM & COLUMN | 2/6/02 | JCM |
| 1 GENERAL REVISIONS | 3-8-99 | FOX |

BETCO
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE:
*Interior Door Structure At Corridor Installation All Heights*

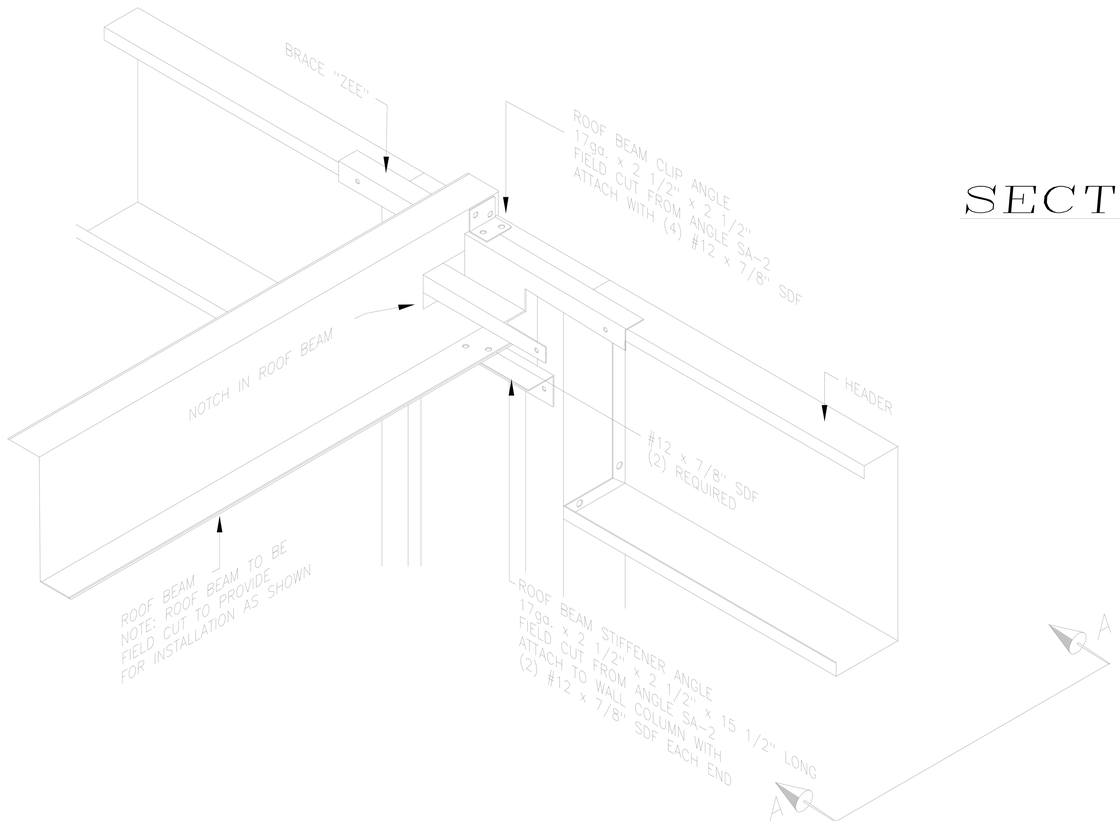
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J POPE | | ERC112X |
| SCALE: NTS | DATE: 1/30/98 | |

BRACE "ZEE" INSTALLATION
THE (2) 3/8" BOLTS THRU THE BRACE "ZEE" INTO THE WALL COLUMN SHOULD ONLY BE "FINGER" TIGHT UNTIL ROOF IS INSTALLED. AFTER ROOF IS INSTALLED TIGHTEN TO NORMAL TORQUE.
...NOTE: BRACE "ZEE" TO FIT IN SLOT AT TOP OF WALL COLUMN AND SCREW TO BACKSIDE OF HEADER...



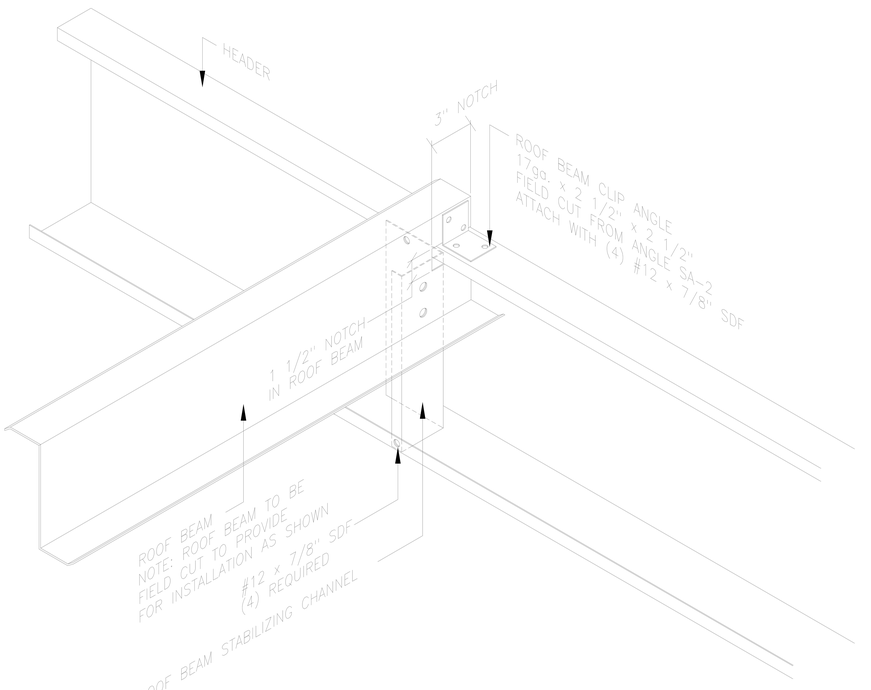

SECTION A—A

NOTE:
REFER TO BUILDING CROSS SECTION DRAWING FOR DIMENSION FROM FINISHED FLOOR ELEVATION TO TOP OF ROOF BEAM. NOTCH AND SET ROOF BEAM AT THE HEIGHT SHOWN ON CROSS SECTION SO THAT THE ROOF BEAM IS LEVEL FOR THE ENTIRE LENGTH OF BUILDING.




ROOF BEAM AT COLUMN

FEB 26 2026




ROOF BEAM AT HEADER

| REVISIONS | DATE | BY |
|---|---|---|
| 2 REVISED FASTENER SIZE | 1/15/03 | JCM |
| 1 MODIFIED NOTCH IN ROOF BEAM | 3/9/99 | FOX |

BETCO, INC.
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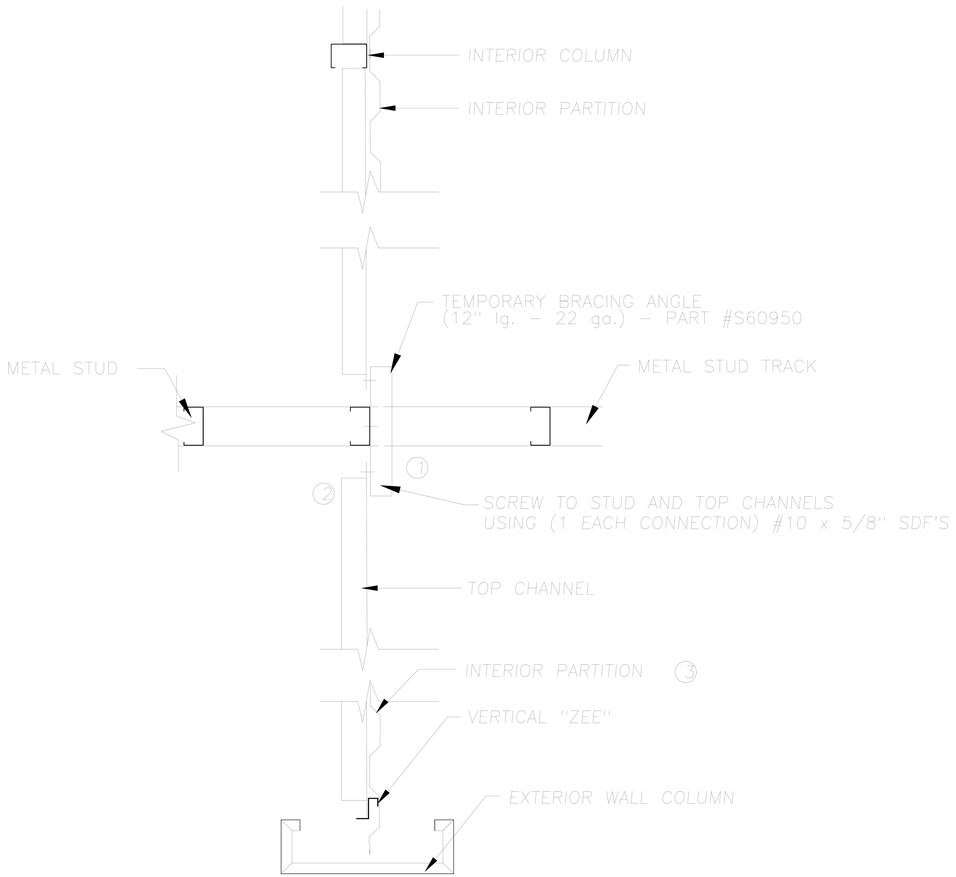
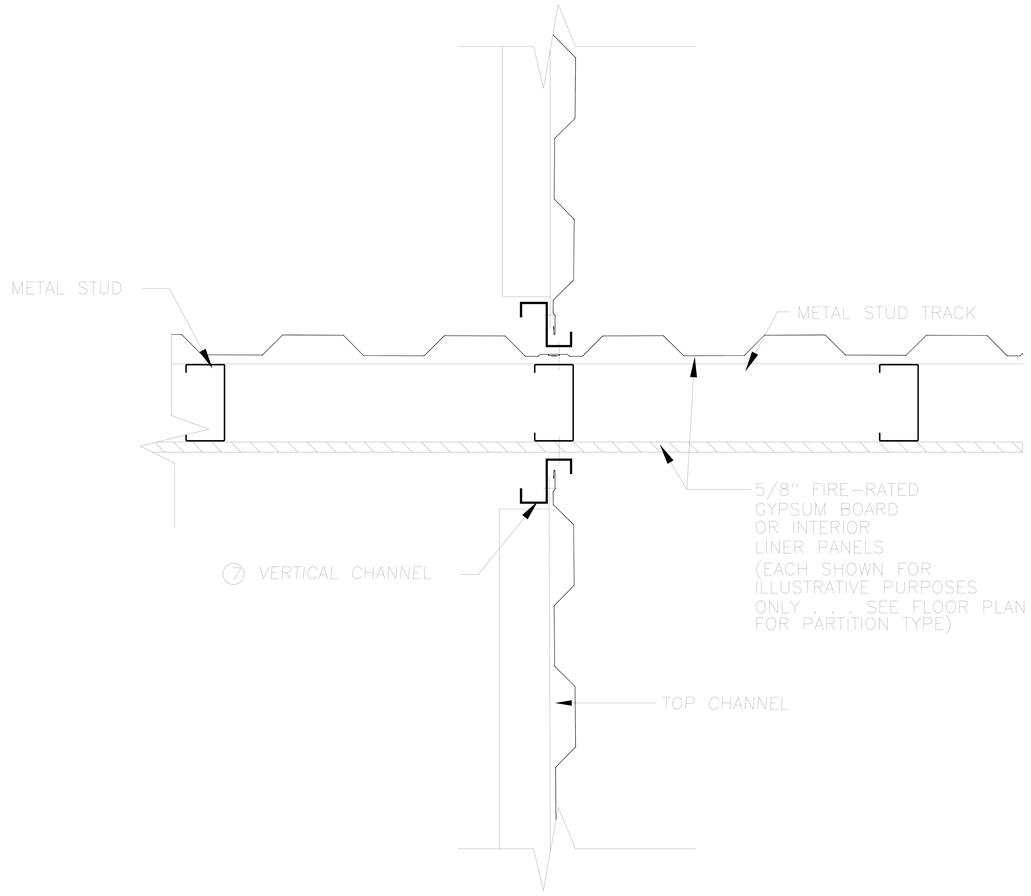
P.O. BOX 1650
STATESVILLE,NC 28687

SHEET TITLE: Roof Beam Assembly Details

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| B.D. | | ERC115X |
| SCALE: NTS | DATE: 5/8/98 | |




NORTH CAROLINA
PROFESSIONAL
SEAL
029129
ENGINEER
STEVEN W. SCHAUB

FEB 26 2026

TEMPORARY BRACING ANGLE INSTALLATION DETAIL

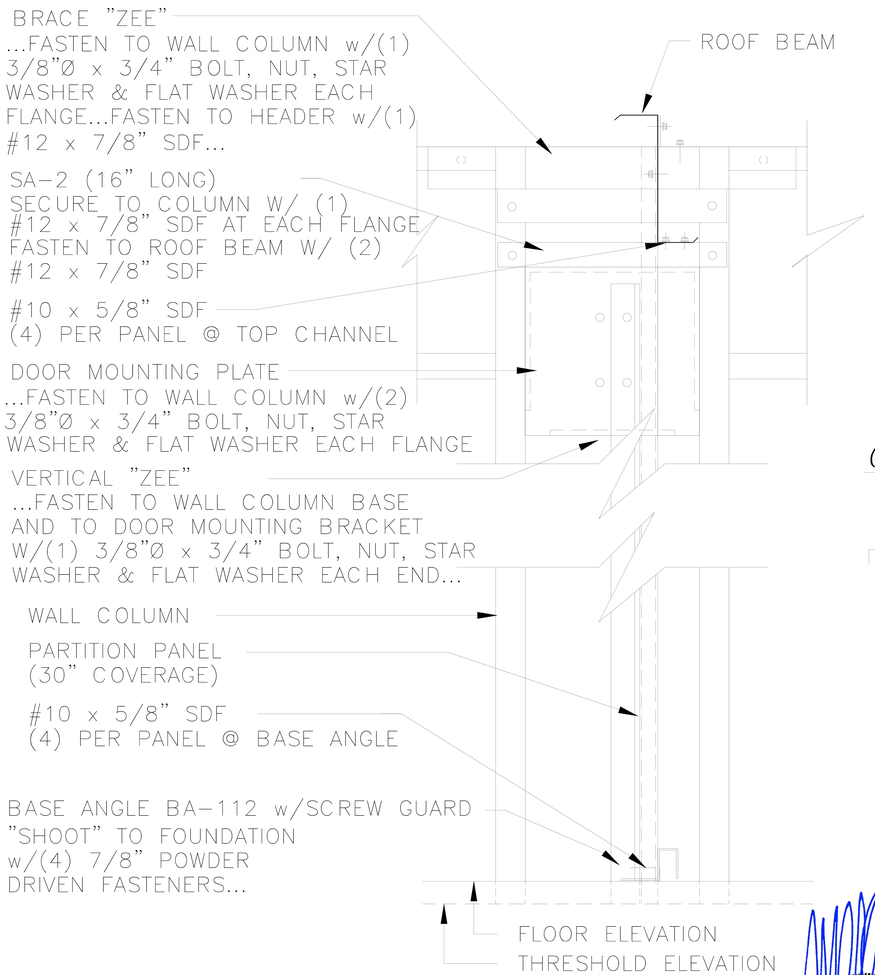
1) AFTER STANDING COLUMNS AND STUDWALL. . . ATTACH TEMPORARY BRACING ANGLE TO STUD AT SAME HEIGHT AS TOP CHANNEL AS SHOWN ON BUILDING CROSS SECTION
2) ATTACH TOP CHANNEL TO TEMPORARY BRACING ANGLE
3) INSTALL 3 PARTITION PANELS & USE TO PLUMB COLUMNS AND STUDWALL
4) IF REQUIRED, INSTALL CONTINUOUS INSULATION SUPPORTS AND INSULATION
5) INSTALL ROOF PANELS
6) REMOVE TEMPORARY BRACING ANGLE PRIOR TO INSTALLING GYPSUM BOARD OR LINER PANELS
7) ATTACH VERTICAL CHANNELS TO STUD
8) ATTACH FRAMING TO VERTICAL CHANNEL & INSTALL REMAINING PARTITION PANELS

| REVISIONS | DATE | BY |
|---|---|---|
| | | |

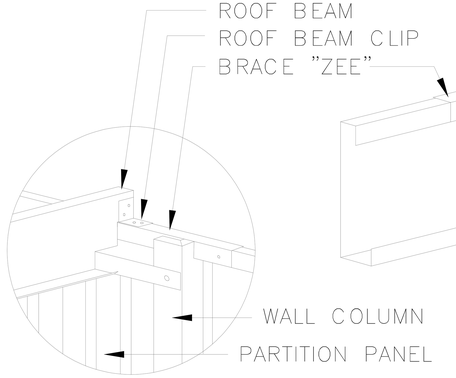
BETCO
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE:
# TEMPORARY BRACING @ PARTITIONS & INT. STUDWALL

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| B. MCDANIEL | | ERC130X |
| SCALE: NTS | DATE: 3/19/98 | |




## SECTION A-A

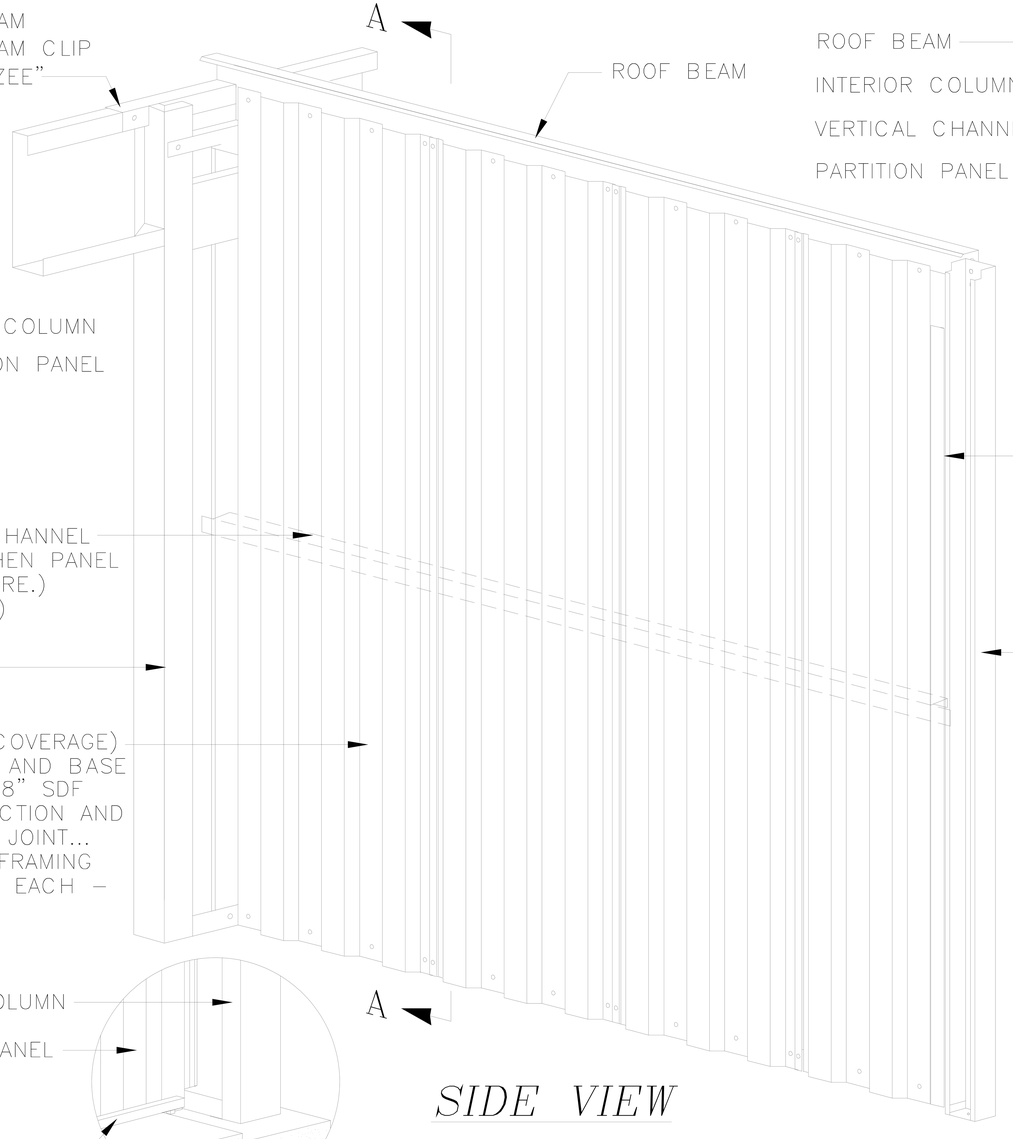



## OPPOSITE VIEW THIS CORNER

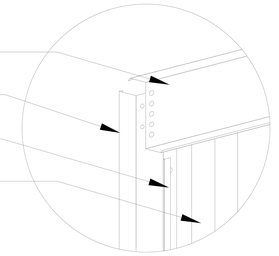
(NOTE: INSTALL A TOP CHANNEL AT 4-6" A.F.F. ONLY WHEN PANEL HEIGHT IS 9'-0" OR MORE.) (INSTALL FLANGES DOWN)

WALL COLUMN

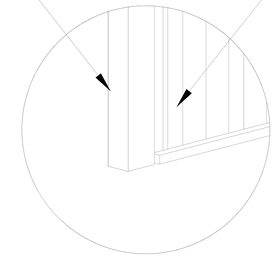
PARTITION PANEL (30" COVERAGE) FASTEN TO ROOF BEAM AND BASE ANGLE w/(4) #10 x 5/8" SDF EACH...(1) PER PAN SECTION AND (1) EACH SIDE OF LAP JOINT... ...FASTEN TO VERTICAL FRAMING w/(4) #10 x 5/8" SDF EACH - (SEE NOTE)



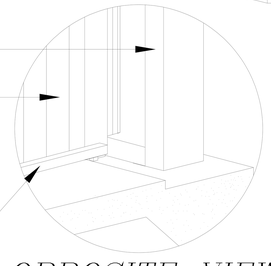

## SIDE VIEW




## OPPOSITE VIEW THIS CORNER

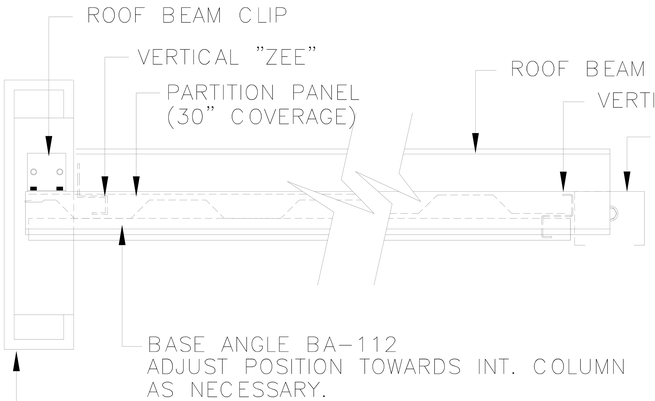



## OPPOSITE VIEW THIS CORNER




## OPPOSITE VIEW THIS CORNER

NOTE:
THE FOUR (4) FASTENERS FOR ATTACHING PARTITION PANELS TO INTERIOR COLUMNS ARE INSTALLED AT THE TOP, BOTTOM AND AT THE 1/3 POINTS NOT TO EXCEED A 3'-0" VERTICAL SPACING BETWEEN FASTENERS.




## PLAN VIEW

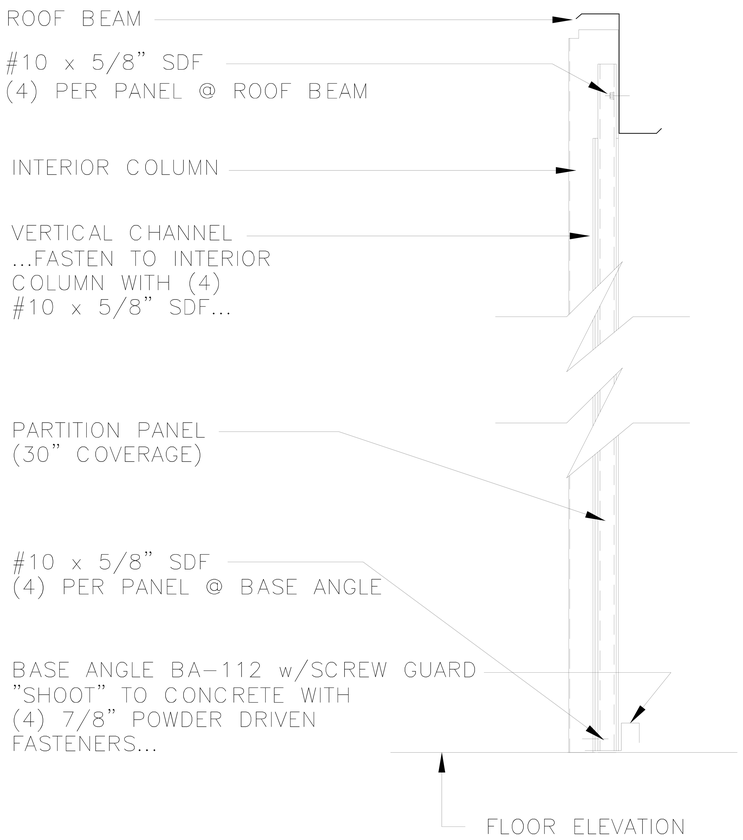
NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| TURNED DIRECTION OF MID TOP CHANNELS | 3/17/4 | JCM |
| REVISED INTERIOR COLUMNS | 8/29/02 | BAM |
| ADDED TOP CHANNEL AT PANELS OVER 9'-0" | 2/7/02 | BDL |
| ADDED NOTE FOR INTERIOR COLUMNS | 3/30/01 | TLR |
| GENERAL REVISIONS | 5/6/99 | CWM |
| GENERAL REVISIONS | 6/23/98 | CJG |
| REVISION 1 | 6/4/98 | KLH |

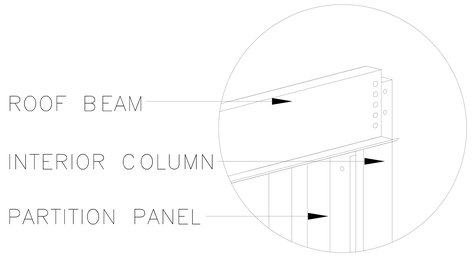
BETCO, INC.
BUILDING THE FUTURE OF SELF STORAGE
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE:
# Partition - Endwall Column to Interior Column

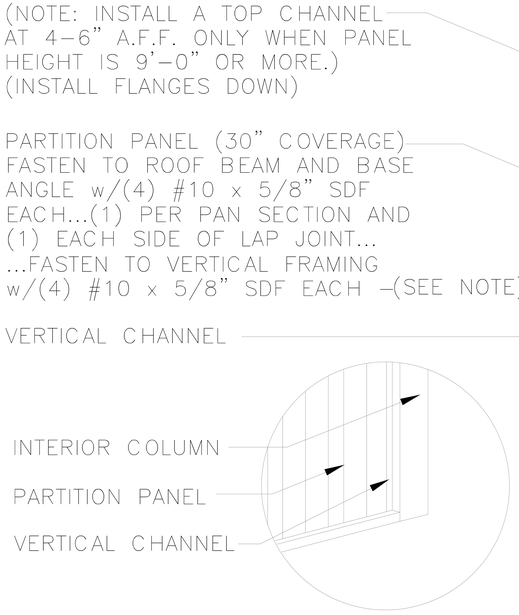
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J POPE | | ERC200X |
| SCALE: NTS | DATE: 6/17/94 | |



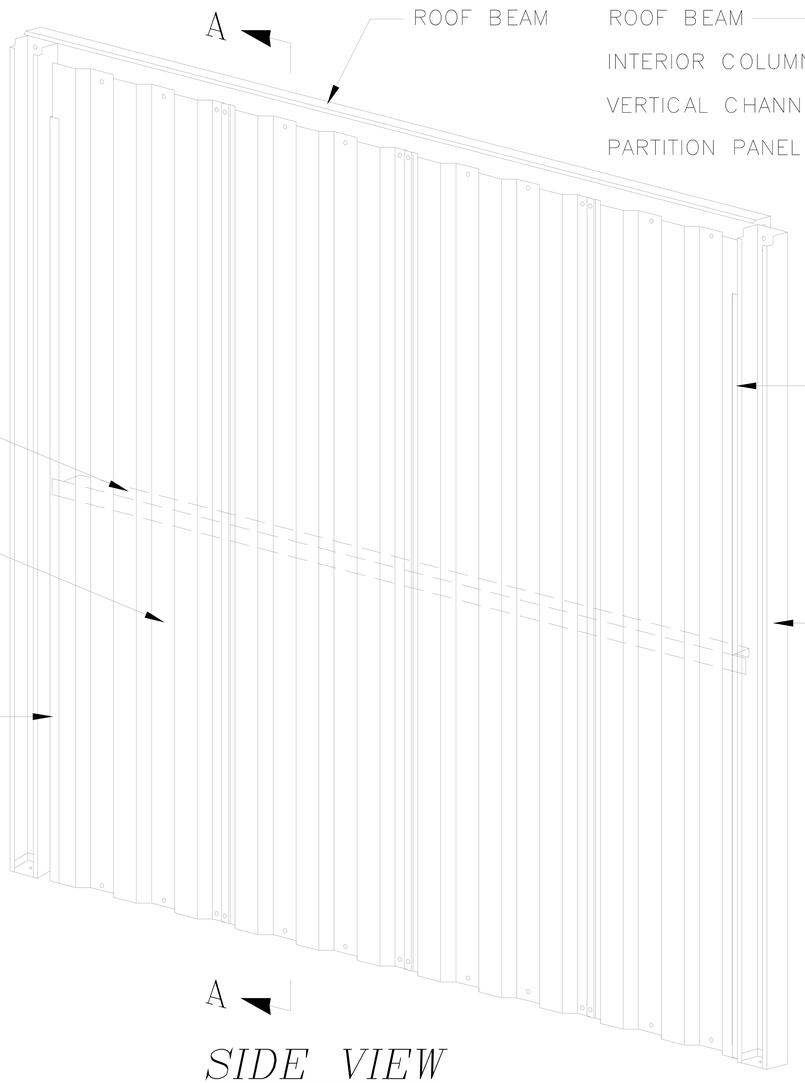

## SECTION A-A



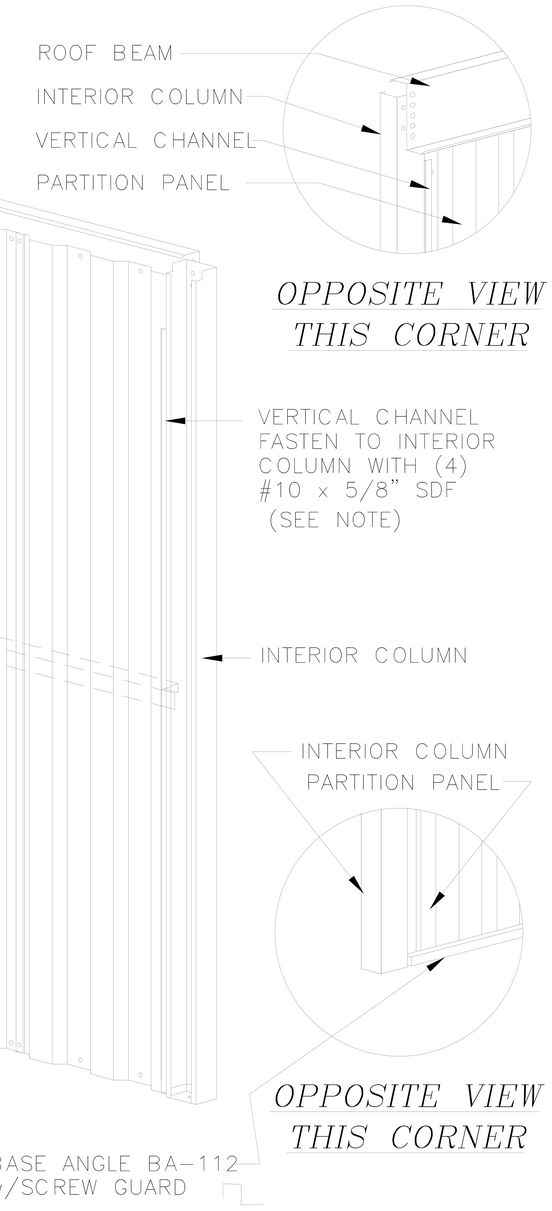

*OPPOSITE VIEW THIS CORNER*




*OPPOSITE VIEW THIS CORNER*

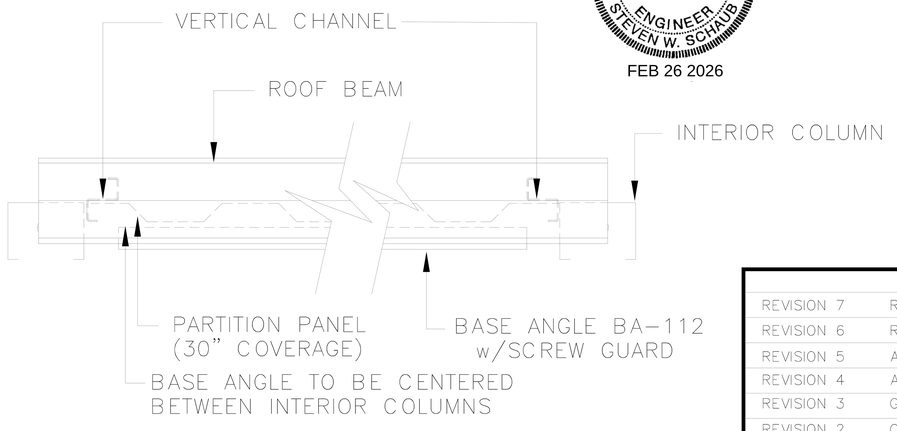



*SIDE VIEW*




*OPPOSITE VIEW THIS CORNER*

*OPPOSITE VIEW THIS CORNER*




*PLAN VIEW*

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

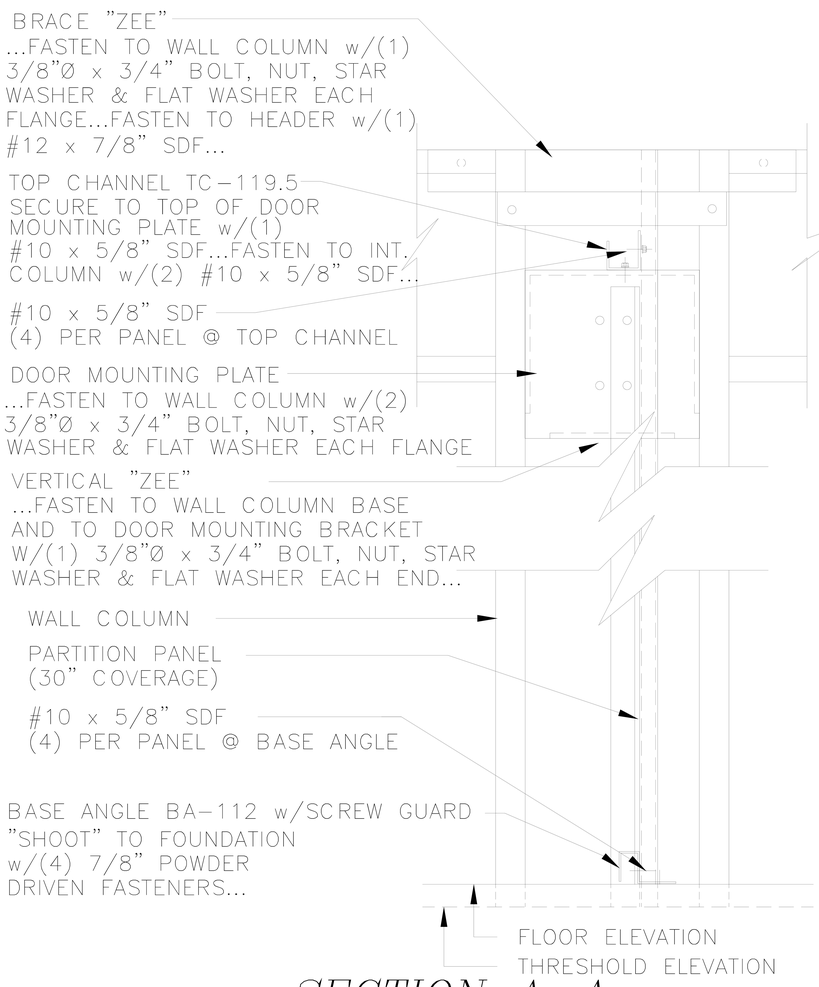
NOTE:
THE FOUR (4) FASTENERS FOR ATTACHING PARTITION PANELS TO INTERIOR COLUMNS ARE INSTALLED AT THE TOP, BOTTOM AND AT THE 1/3 POINTS NOT TO EXCEED A 3'-0" VERTICAL SPACING BETWEEN FASTENERS.

| REVISIONS | | DATE | BY |
|---|---|---|---|
| REVISION 7 | REVISED DIRECTION OF MID TOP CHANNEL | 3/17/04 | JCM |
| REVISION 6 | REVISED INTERIOR COLUMNS | 8/29/02 | BAM |
| REVISION 5 | ADDED TOP CHANNEL AT PANELS OVER 9'-0" | 2/7/02 | BDL |
| REVISION 4 | ADDED NOTE FOR INTERIOR COLUMNS | 3/30/01 | TLR |
| REVISION 3 | GENERAL REVISIONS | 3-24-99 | FOX |
| REVISION 2 | CORRECT VC | 6/23/98 | CJG |
| REVISION 1 | | 6/4/98 | KLH |

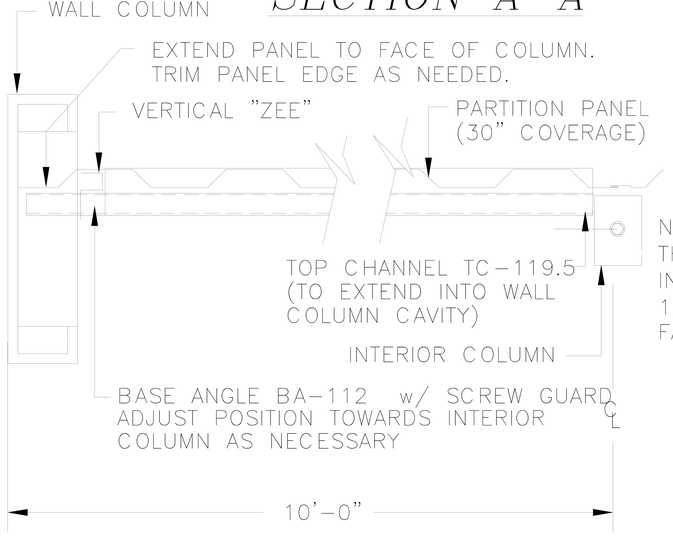
BETCO, INC.
BUILDING THE FUTURE OF SELF STORAGE
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE:
*Partition - Interior Column to Interior Column*

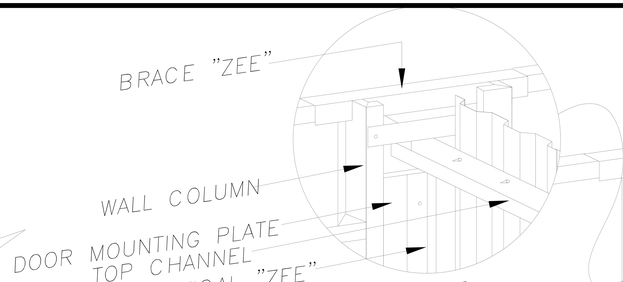
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J Pope | | ERC201X |
| SCALE: NTS | DATE: 6/20/94 | |



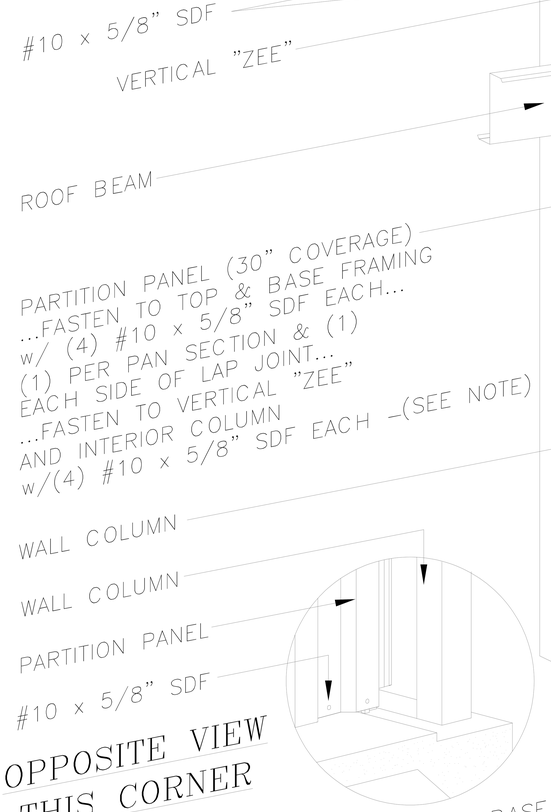

## SECTION A-A



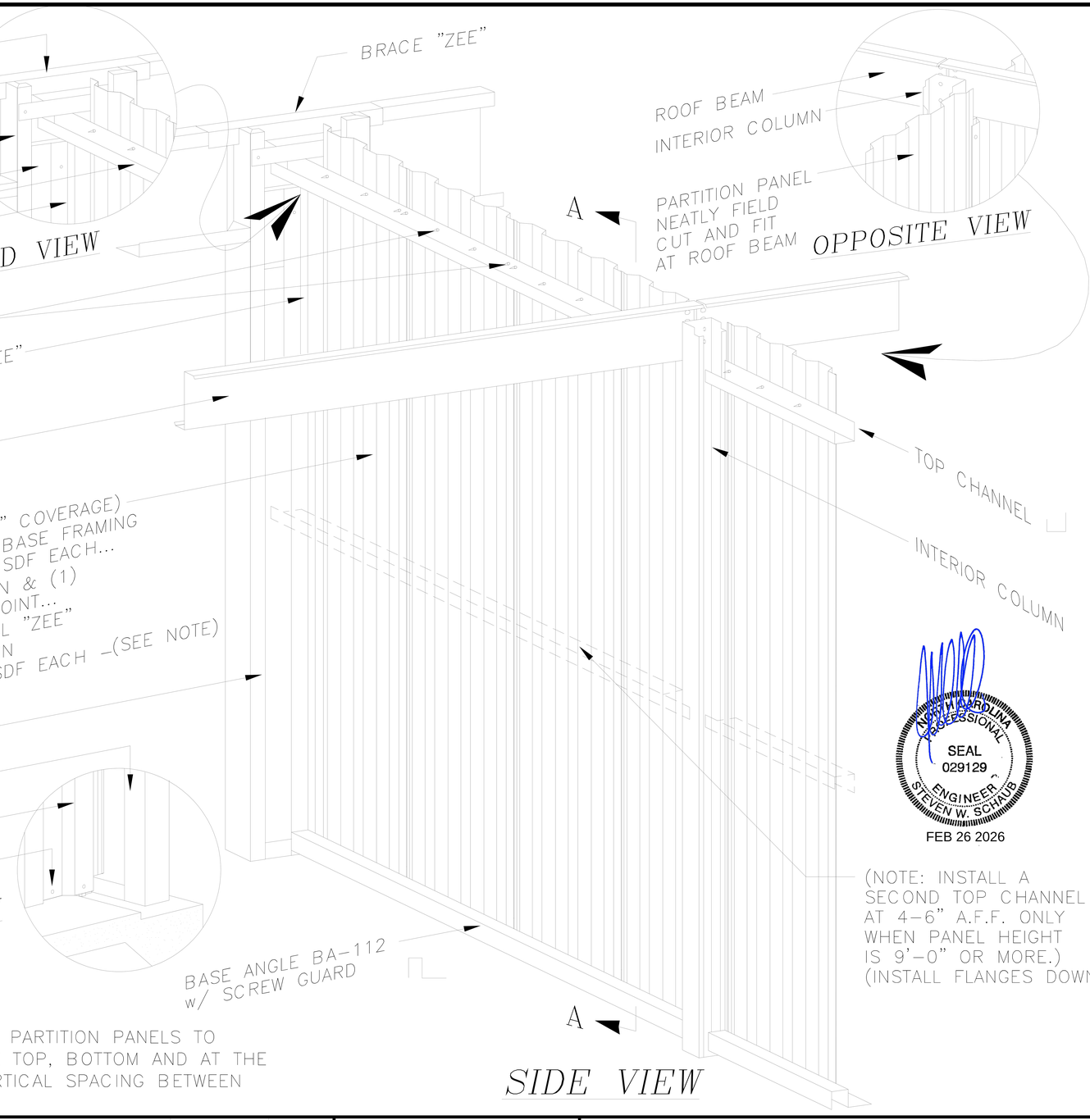

## PLAN VIEW




## ENLARGED VIEW




## OPPOSITE VIEW THIS CORNER




## OPPOSITE VIEW

## SIDE VIEW

NOTE:
THE FOUR (4) FASTENERS FOR ATTACHING PARTITION PANELS TO INTERIOR COLUMNS ARE INSTALLED AT THE TOP, BOTTOM AND AT THE 1/3 POINTS NOT TO EXCEED A 3'-0" VERTICAL SPACING BETWEEN FASTENERS.

| REVISIONS | DATE | BY |
|---|---|---|
| REVISED DIRECTION OF MID TOP CHANNEL | 3/17/04 | JCM |
| REVISED INTERIOR COLUMNS | 8/29/02 | BAM |
| ADDED TOP CHANNEL AT PANELS OVER 9'-0" | 2/7/02 | BDL |
| ADDED NOTE FOR INTERIOR COLUMNS | 4/2/01 | TLR |
| GENERAL REVISIONS | 4/12/99 | CWM |

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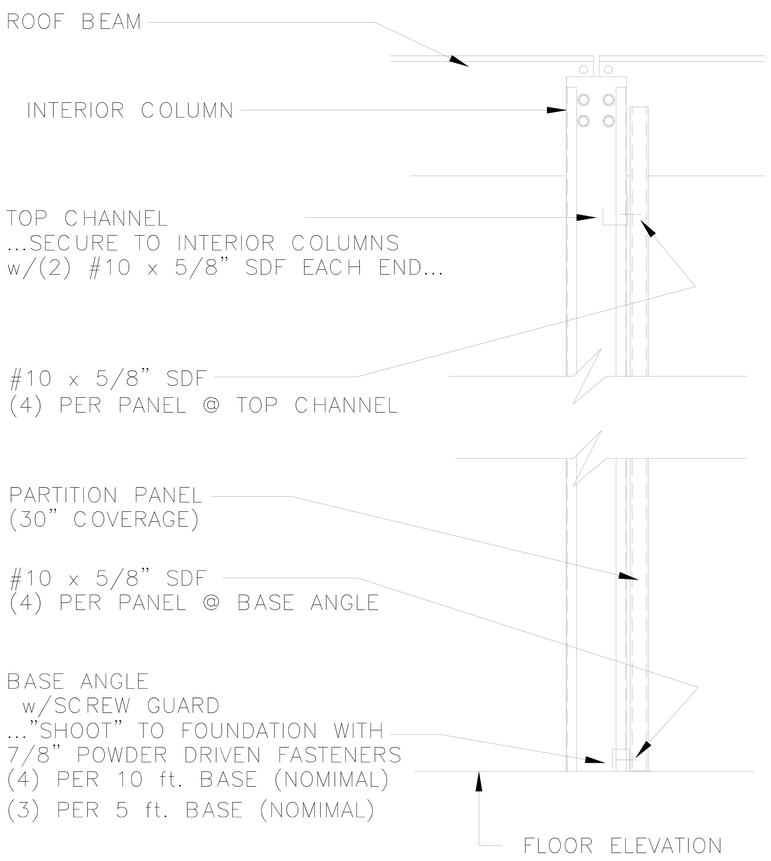
P.O. BOX 1650
STATESVILLE,NC 28687

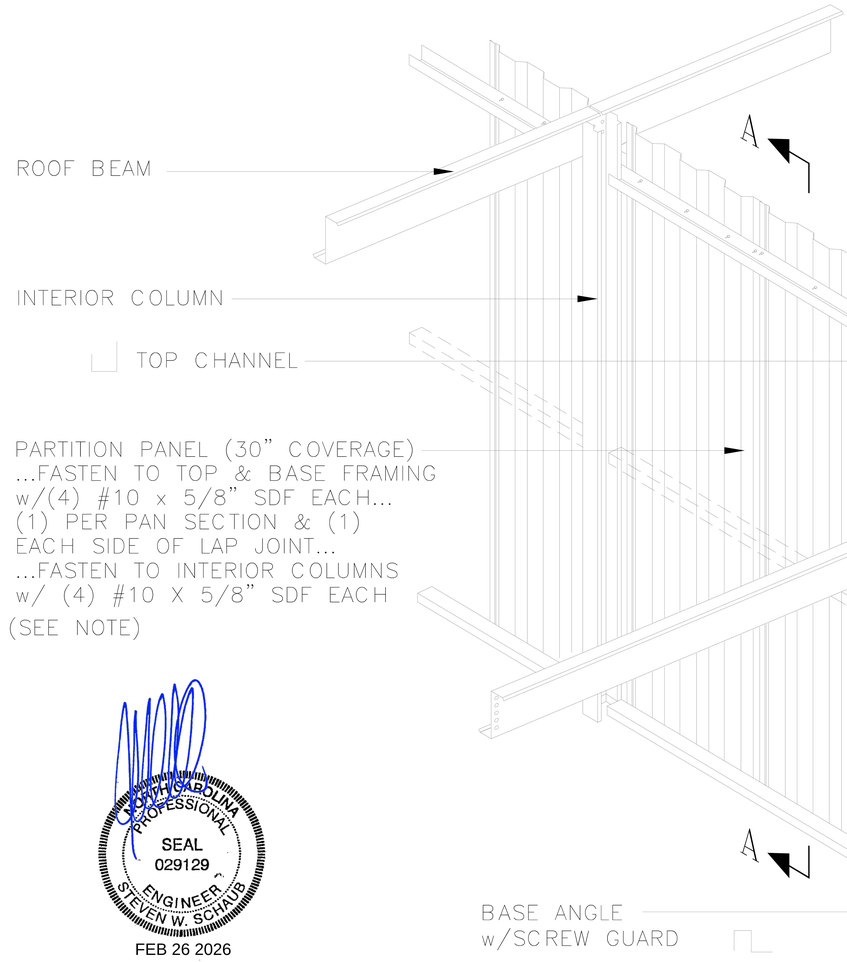
NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

SHEET TITLE:
*Partition - Sidewall Column to Interior Column - 10' span*

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J Pope | | *ERC202X* |
| SCALE: NTS | DATE: 6/20/94 | |



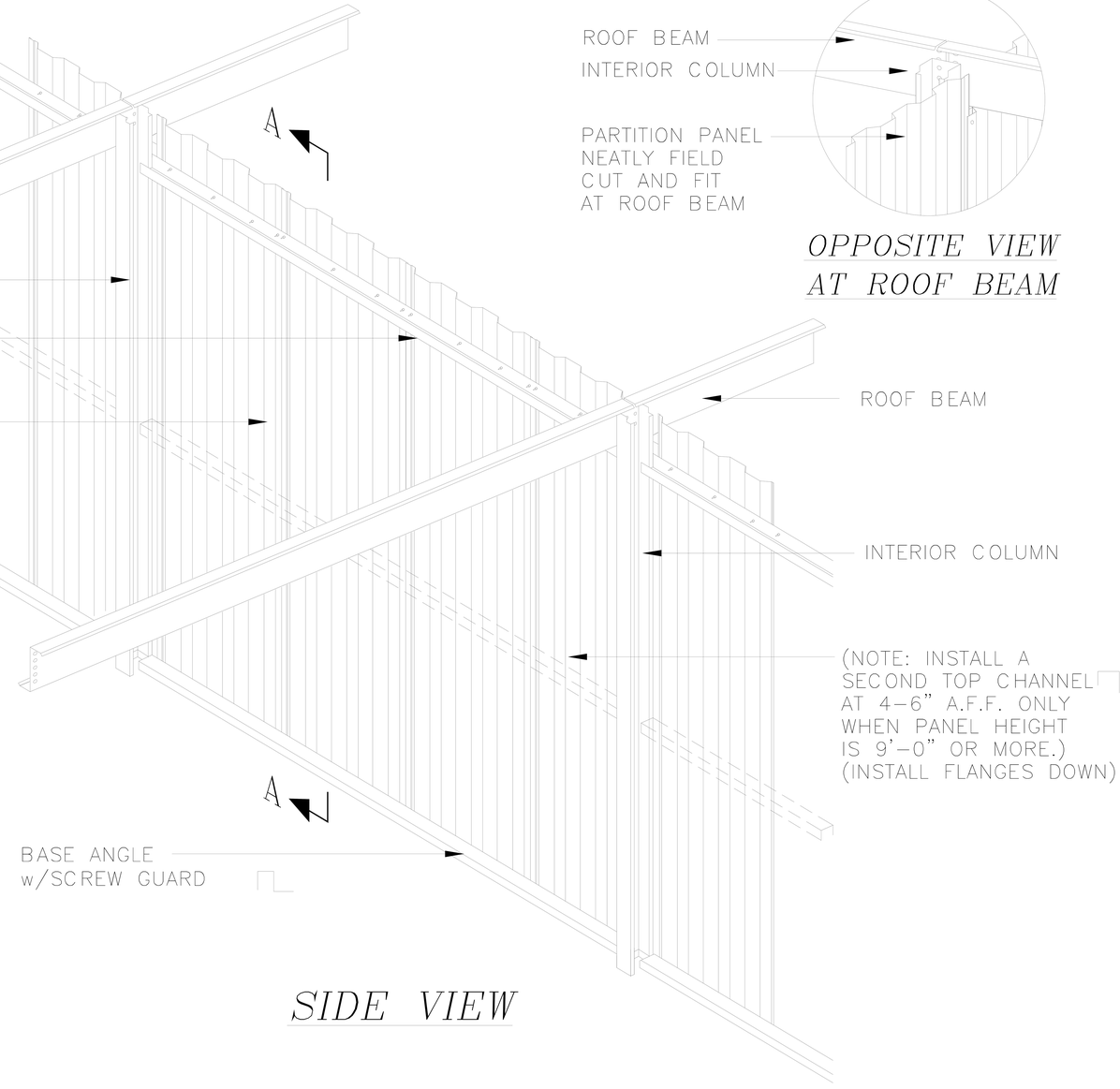

## SECTION A–A



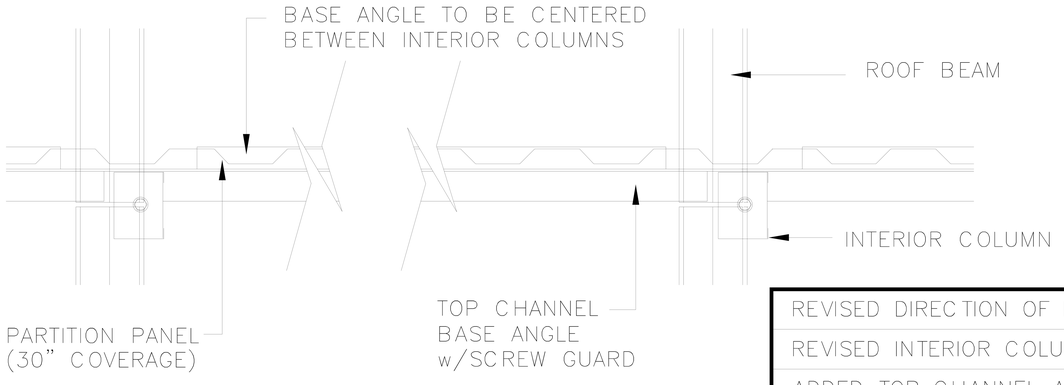




## OPPOSITE VIEW AT ROOF BEAM




## SIDE VIEW




## PLAN VIEW

NOTE:
THE FOUR (4) FASTENERS FOR ATTACHING PARTITION PANELS TO INTERIOR COLUMNS ARE INSTALLED AT THE TOP, BOTTOM AND AT THE 1/3 POINTS NOT TO EXCEED A 3'–0" VERTICAL SPACING BETWEEN FASTENERS.

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| REVISED DIRECTION OF MID TOP CHANNEL | 3/17/04 | JCM |
| REVISED INTERIOR COLUMNS | 8/29/02 | BAM |
| ADDED TOP CHANNEL AT PANELS OVER 9'–0" | 2/7/02 | BDL |
| ADDED NOTE FOR INTERIOR COLUMNS | 4/2/01 | TLR |
| GENERAL REVISIONS | 5/7/99 | CJG |

BETCO, INC.
BUILDING THE FUTURE OF SELF STORAGE
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE:
# Partition – Interior Column to Interior Column (all eave heights)

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J POPE | | ERC203X |
| SCALE: NTS | DATE: 6/22/98 | |

BRACE "ZEE"
...FASTEN TO WALL COLUMN w/(1) 3/8"Ø x 3/4" BOLT, NUT, STAR WASHER & FLAT WASHER EACH FLANGE...FASTEN TO HEADER w/(1) #12 x 7/8" SDF...

TOP CHANNEL TC-120
SECURE TO TOP OF DOOR MOUNTING PLATE w/(1) #10 x 5/8" SDF...FASTEN TO INT. COLUMN w/(2) #10 x 5/8" SDF...

#10 x 5/8" SDF
(4) PER PANEL @ TOP CHANNEL

DOOR MOUNTING PLATE
...FASTEN TO WALL COLUMN w/(2) 3/8"Ø x 3/4" BOLT, NUT, STAR WASHER & FLAT WASHER EACH FLANGE

VERTICAL "ZEE"
...FASTEN TO WALL COLUMN BASE AND TO DOOR MOUNTING BRACKET W/(1) 3/8"Ø x 3/4" BOLT, NUT, STAR WASHER & FLAT WASHER EACH END...

WALL COLUMN

PARTITION PANEL
(30" COVERAGE)

#10 x 5/8" SDF
(4) PER PANEL @ BASE ANGLE

BASE ANGLE BA-120 w/SCREW GUARD "SHOOT" TO FOUNDATION w/(4) 7/8" POWDER DRIVEN FASTENERS...
SECURE TO VERTICAL "CEE" w/ (1) #10 x 5/8" SDF

FLOOR ELEVATION
THRESHOLD ELEVATION

## SECTION A-A

NOTCH TOP CHANNEL TO ALLOW FOR INSTALLATION OF VERTICAL & TOP CHANNELS

WALL COLUMN

EXTEND PANEL TO FACE OF COLUMN TRIM PANEL EDGE AS NEEDED

VERTICAL CHANNEL

VERTICAL "ZEE"

PARTITION PANEL
(30" COVERAGE)

TOP CHANNEL TC-120
BASE ANGLE BA-120
w/SCREW GUARD

## PLAN VIEW

BRACE "ZEE"

WALL COLUMN

DOOR MOUNTING PLATE

TOP CHANNEL

VERTICAL "ZEE"

## ENLARGED VIEW

#10 x 5/8" SDF

VERTICAL "ZEE"

PARTITION PANEL (30" COVERAGE)
...FASTEN TO TOP & BASE FRAMING w/ (4) #10 x 5/8" SDF EACH...
(1) PER PAN SECTION & (1) EACH SIDE OF LAP JOINT...
...FASTEN TO VERTICAL "ZEE" AND VERTICAL CHANNEL w/(4) #10 x 5/8" SDF EACH...

WALL COLUMN

WALL COLUMN

PARTITION PANEL

#10 x 5/8" SDF

## OPPOSITE VIEW THIS CORNER

BRACE "ZEE"

VERTICAL CHANNEL
FASTEN TO TOP CHANNEL & BASE ANGLE w/(1) #10 x 5/8" SDF

EXISTING TOP CHANNEL

TOP CHANNEL

PARTITION PANEL

## OPPOSITE VIEW

A

#10 x 5/8" SDF

PARTITION PANELS

(NOTE: INSTALL A SECOND TOP CHANNEL AT 4-6" A.F.F. ONLY WHEN PANEL HEIGHT IS 9'-0" OR MORE.) (INSTALL FLANGES DOWN)

VERTICAL CHANNEL

PARTITION PANEL

BASE ANGLE BA-120 w/SCREW GUARD

EXISTING BASE ANGLE

## OPPOSITE VIEW

BASE ANGLE BA-120 w/ SCREW GUARD

A

## SIDE VIEW

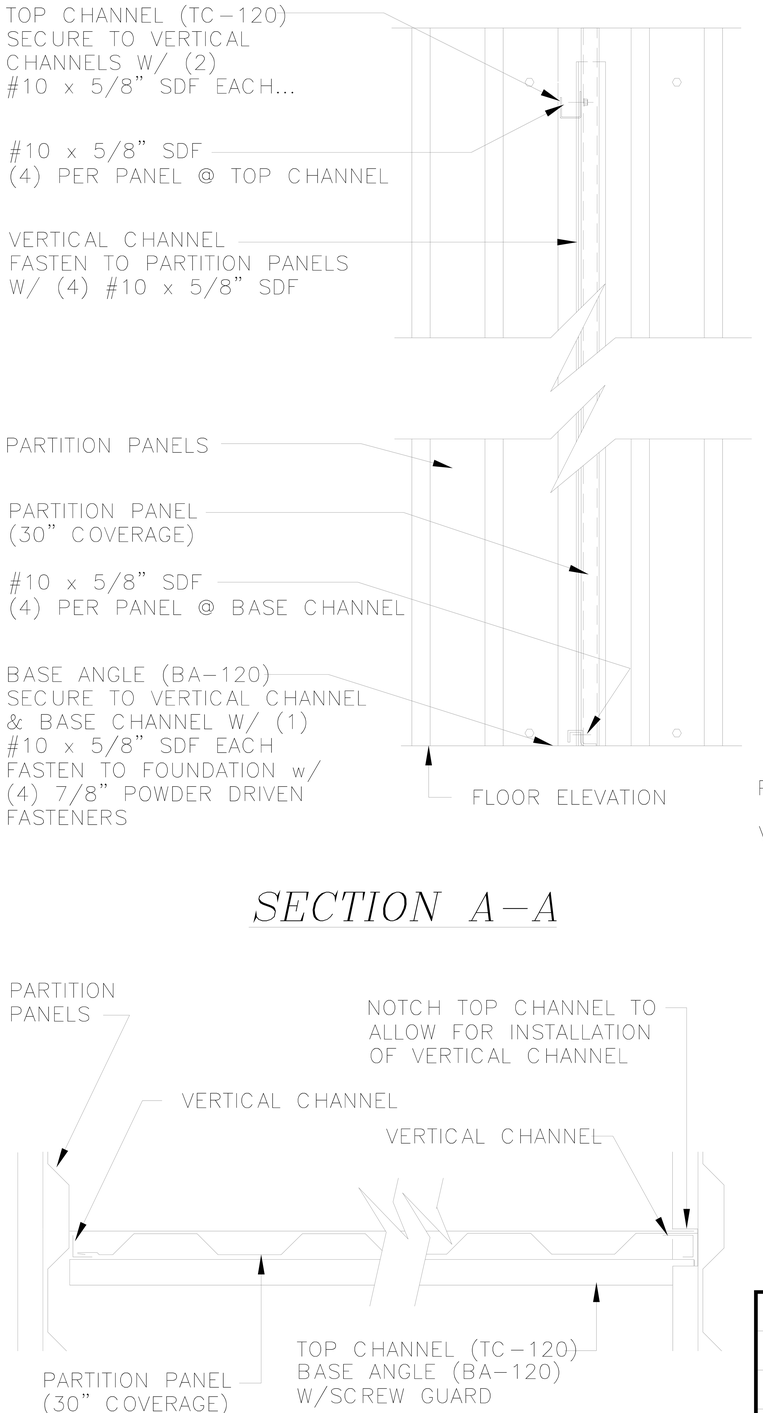
NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| REVISED DIRECTION OF MID HAT CHANNEL | 3/17/04 | JCM |
| REVISED FASTENER NOTE | 8/30/02 | JCM |
| ADDED TOP CHANNEL AT PANELS OVER 9'-0" | 2/7/02 | BDL |
| GENERAL REVISIONS | 4/2/01 | TLR |
| GENERAL REVISIONS | 5/6/99 | CWM |
| GENERAL REVISIONS | 6/23/98 | CJG |

BETCO, INC.
BUILDING THE FUTURE OF SELF STORAGE
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE:
# Partition - Endwall Column to Interior Partition

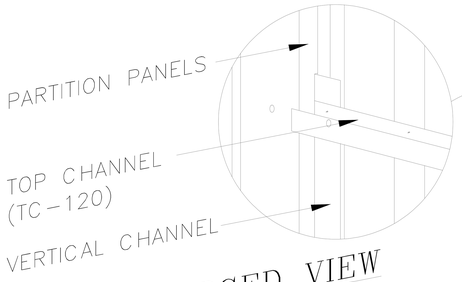
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J Pope | | ERC207X |
| SCALE: NTS | DATE: 6/24/94 | |



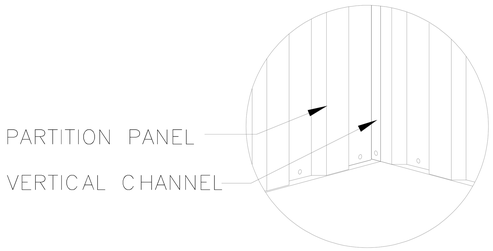

## SECTION A-A



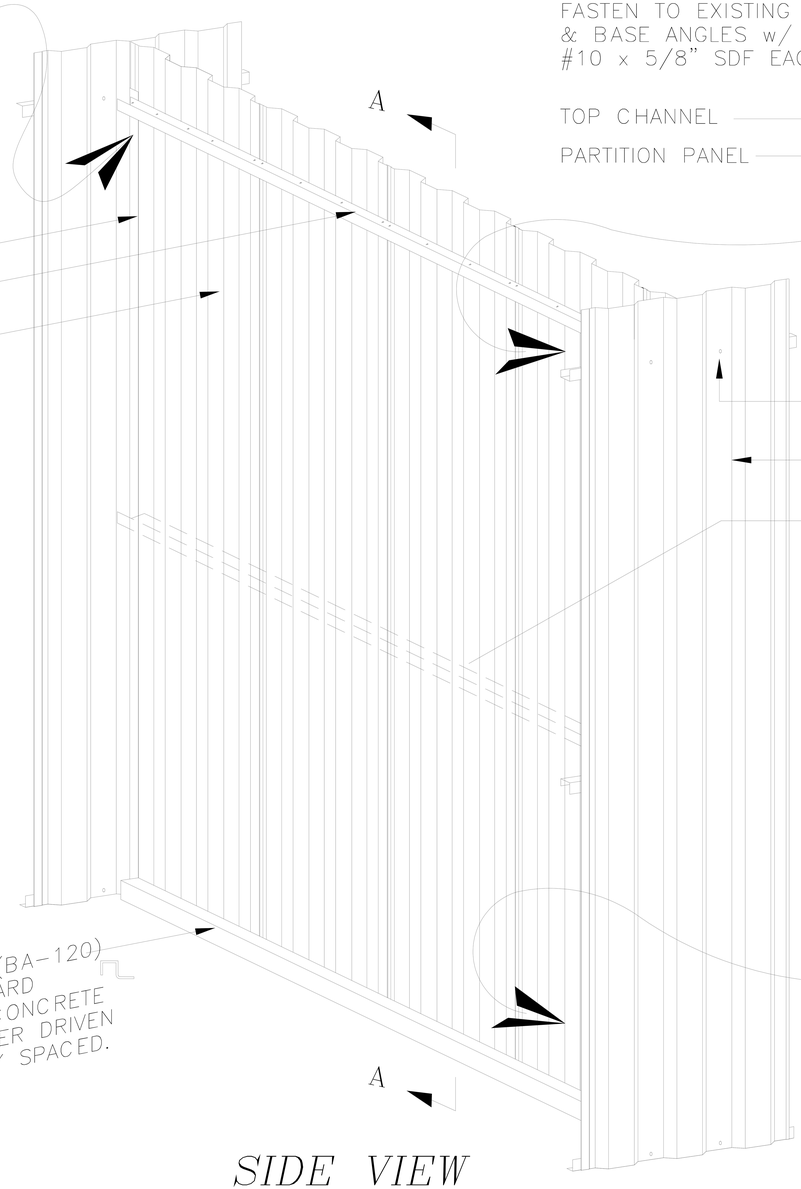

## PLAN VIEW



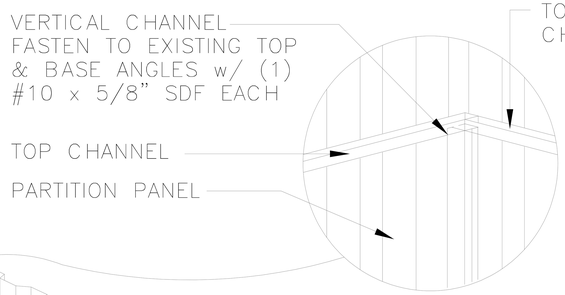

## ENLARGED VIEW



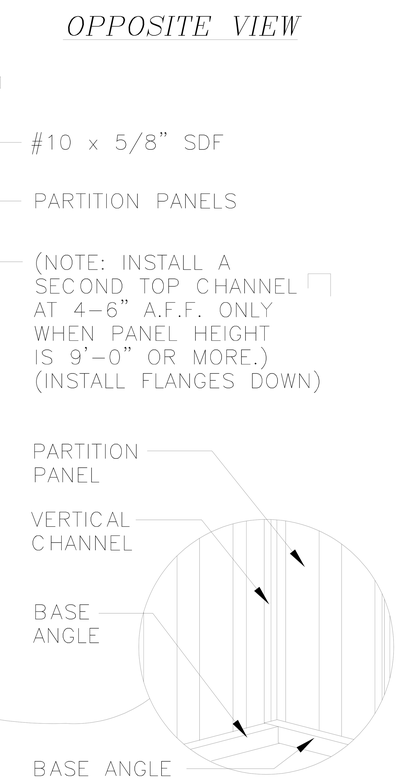

## OPPOSITE VIEW THIS CORNER




## SIDE VIEW




## OPPOSITE VIEW




## OPPOSITE VIEW

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| REVISED DIRECTION OF MID TOP CHANNEL | 3/17/04 | JCM |
| ADDED TOP CHANNEL AT PANELS OVER 9'-0" | 2/7/02 | BDL |

BETCO
P.O. BOX 1650
STATESVILLE, NC 28687

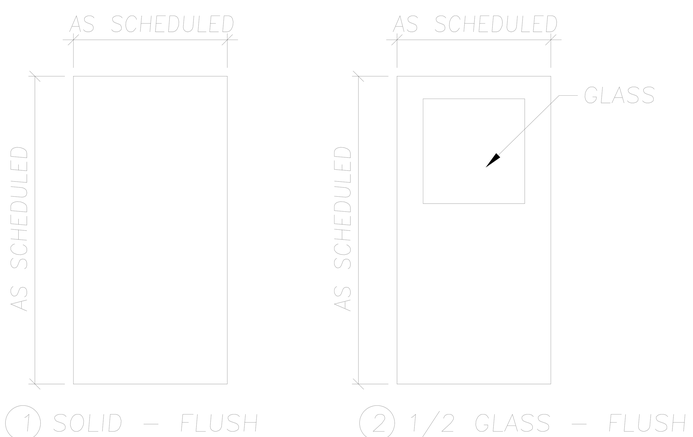
SHEET TITLE:
# Partition - Interior Partition to Interior Partition

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J Pope | | ERC208X |
| SCALE: NTS | DATE: 6/24/94 | |

## DOOR SCHEDULE

| DOOR NUMBER | WIDTH | HEIGHT | DOOR THICK | DOOR TYPE | HARDWARE DESCRIPTION | REMARKS |
|---|---|---|---|---|---|---|
| 3068 | 3'-0" | 6'-8" | 1 3/4" | 1 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 3668 | 3'-6" | 6'-8" | 1 3/4" | 1 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 4068 | 4'-0" | 6'-8" | 1 3/4" | 1 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 3068 | 3'-0" | 6'-8" | 1 3/4" | 2 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 3668 | 3'-6" | 6'-8" | 1 3/4" | 2 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 4068 | 4'-0" | 6'-8" | 1 3/4" | 2 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 3070 | 3'-0" | 7'-0" | 1 3/4" | 1 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 3670 | 3'-6" | 7'-0" | 1 3/4" | 1 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 4070 | 4'-0" | 7'-0" | 1 3/4" | 1 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 3070 | 3'-0" | 7'-0" | 1 3/4" | 2 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 3670 | 3'-6" | 7'-0" | 1 3/4" | 2 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |
| 4070 | 4'-0" | 7'-0" | 1 3/4" | 2 | LEVER/LEVER LOCKSET | SELF LATCHING WITH CLOSER & THRESHOLD |

## DOOR TYPE (SEE DOOR OPTIONS)




1 SOLID – FLUSH

2 1/2 GLASS – FLUSH

## DOOR OPTIONS

| OPTIONS |
|---|
| L – LOUVER (12" x 12") |
| FL – RATED LOUVER (12" x 12") |
| P – PANIC HARDWARE |
| K – KICKPLATE |
| PP – PUSH PLATE/PULL PLATE |
| G – 20 x 24 INSULATED 1" THERMOPLANE INSERT |
| FG – 10 x 10 UL APPROVED GLASS INSERT |
| A – FOUR HOUR RATED |
| B – ONE HOUR RATED |

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB

FEB 26 2026

| DOOR NUMBER | DOOR TYPE | OPTIONS |
|---|---|---|
| EXAMPLE: 3068 | – 2 | – L,K,P,G |

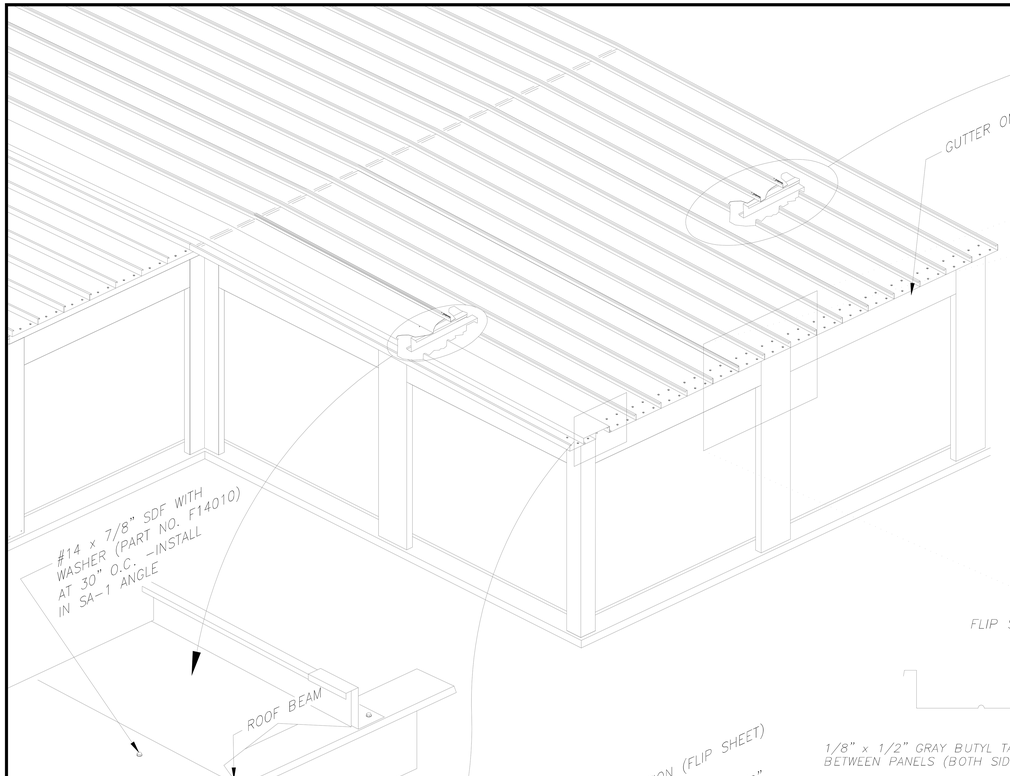
THIS IS A 3'-0" x 6'-8" – 1/2 GLASS PERSONNEL DOOR WITH 20 x 24 GLASS, LOUVER, KICKPLATE AND PANIC HARDWARE.

| REVISIONS | DATE | BY |
|---|---|---|
| REVISED DUE TO DOOR HEIGHT CHANGE | 4/7/05 | BDL |

BETCO
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE: Standard Swing Door Hardware Schedule

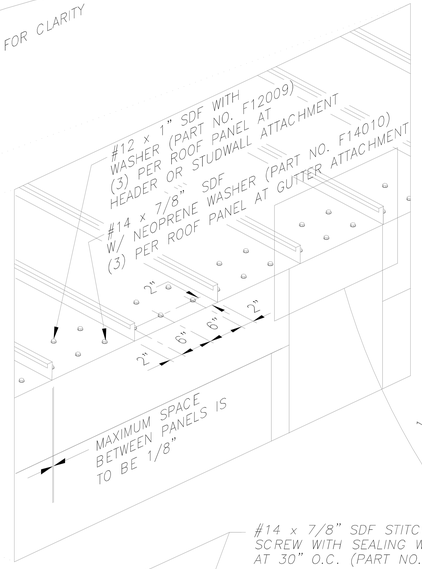
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| JRB | | ERC254X |
| SCALE: NTS | DATE: 3/7/01 | |



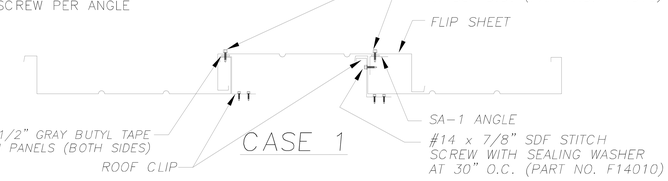

## FLIP SHEET DETAIL



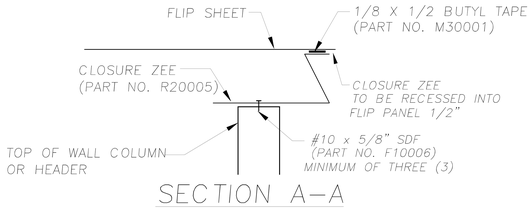

NOTE :: FIELD CUT CLOSURE ZEE AS NEEDED TO CLOSE OPENING AT END OF FLIP SHEET, USE DOW CORNING 791 SILICON SEALANT TO CLOSE OPENING AT END OF CLOSURE ZEE. PROVIDE A BEAD OF DOW CORNING 791 SILICON (BRONZE) (PART NO. M20055) ON ALL EDGES TO TAPE ON TOP OF FLIP SHEET. PLACE 1/8 x 1/2 BUTYL TAPE ON TOP OF LIGHT TIGHT SEAL. PLACE 1/8 x 1/2 BUTYL IT LIES AGAINST THE UNDERSIDE OF OF THE FLIP PANEL (SEE SECTION A-A)

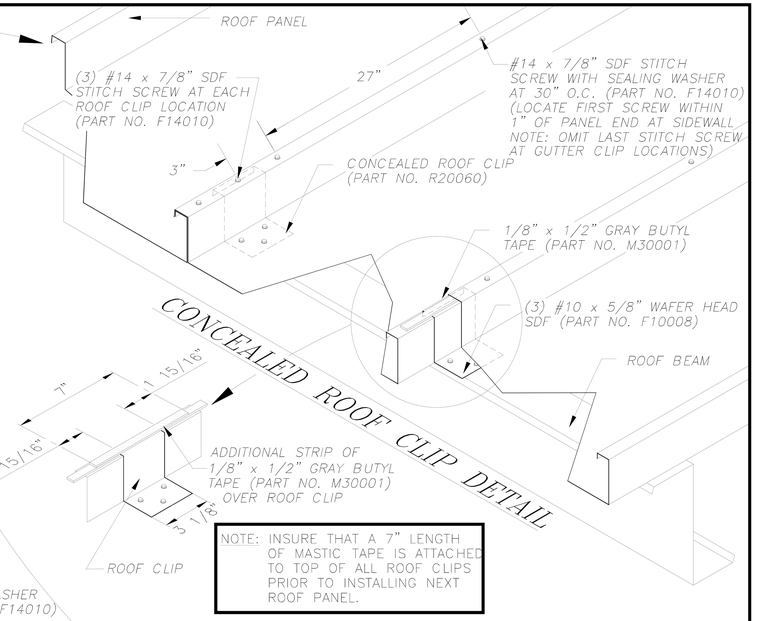


NOTE: AT ROOF CLIP BUTT SA-1 ANGLES AND INSTALL (1) #14 x 7/8" SDF STITCH SCREW PER ANGLE

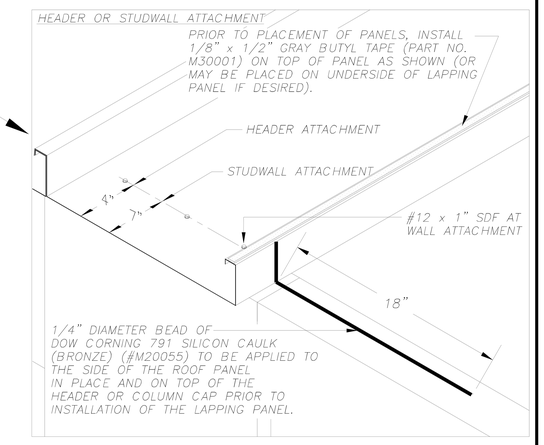



## FLIP SHEET SECTIONS




NOTE: INSURE THAT A 7" LENGTH OF MASTIC TAPE IS ATTACHED TO TOP OF ALL ROOF CLIPS PRIOR TO INSTALLING NEXT ROOF PANEL.




NOTE: NOT ALL ROOF SECTIONS REQUIRE A FLIP SHEET. IF THE ROOF SECTION LENGTH IS ON A 16" INCREMENT THEN A FLIP SHEET IS NOT REQUIRED. IT IS IMPERATIVE TO PROPERLY INSTALL ROOF PANELS AT THESE SECTIONS SO THAT A FLIP SHEET IS NOT REQUIRED. (FOR ROOF INSTALLATION SEE THE GENERAL NOTES THIS PAGE)

GENERAL NOTES:

1. 316 PANELS ARE PACKAGED WITH 14 PANELS PER BUNDLE AND IN LENGTHS FROM 10' TO 60'
2. FULL TRUCKLOAD QUANTITIES OF PANELS WILL REQUIRE AN ALL-TERRAIN FORKLIFT WITH LIFT HEIGHT CAPABILITY OF 13'-6" OR BOOM TRUCK WITH SPREADER BAR FOR OFFLOADING.
3. PANELS STORED ON SITE SHOULD BE KEPT OFF GRADE OR PAVING WITH SKIDS OR DUNNAGE SPACED AT 15' CENTERS. BUNDLES SHOULD BE SLOPED TO ALLOW DRAINAGE OF MOISTURE. TARPING NOT NECESSARY.
4. DURING INSTALLATION, PANEL EAVE LINE WILL RUN TRUE AND STRAIGHT PROVIDING "STARTER PANEL" IS SQUARE WITH BUILDING SIDEWALL. PARTICULAR CARE IS RECOMMENDED IN POSITIONING THE STARTER PANEL IN CONJUNCTION WITH USING A STRINGLINE AT THE SIDEWALL.
5. PANEL COVERAGE SHOULD BE CHECKED AT AT 8' – 12' INTERVALS TO DETERMINE IF PANEL COVERAGE IS EQUAL AT BOTH SIDEWALLS. "GROWING" ONE SIDEWALL IS POSSIBLE BY ALLOWING A LESS TIGHT "FIT" WHILE MAINTAINING A TIGHT "FIT" AT THE OPPOSITE SIDEWALL. THE GAP BETWEEN VERTICAL RIBS SHOULD NOT EXCEED 1/8".
6. AVOID EXCESSIVE FOOT TRAFFIC DURING AND AFTER INSTALLATION FOR ROOF SPAN CONDITIONS GREATER THAN 8'.
7. BROOM SWEEP ROOF AFTER INSTALLATION TO REMOVE ALL METAL DEBRIS INCLUDING FASTENER DRILLINGS.

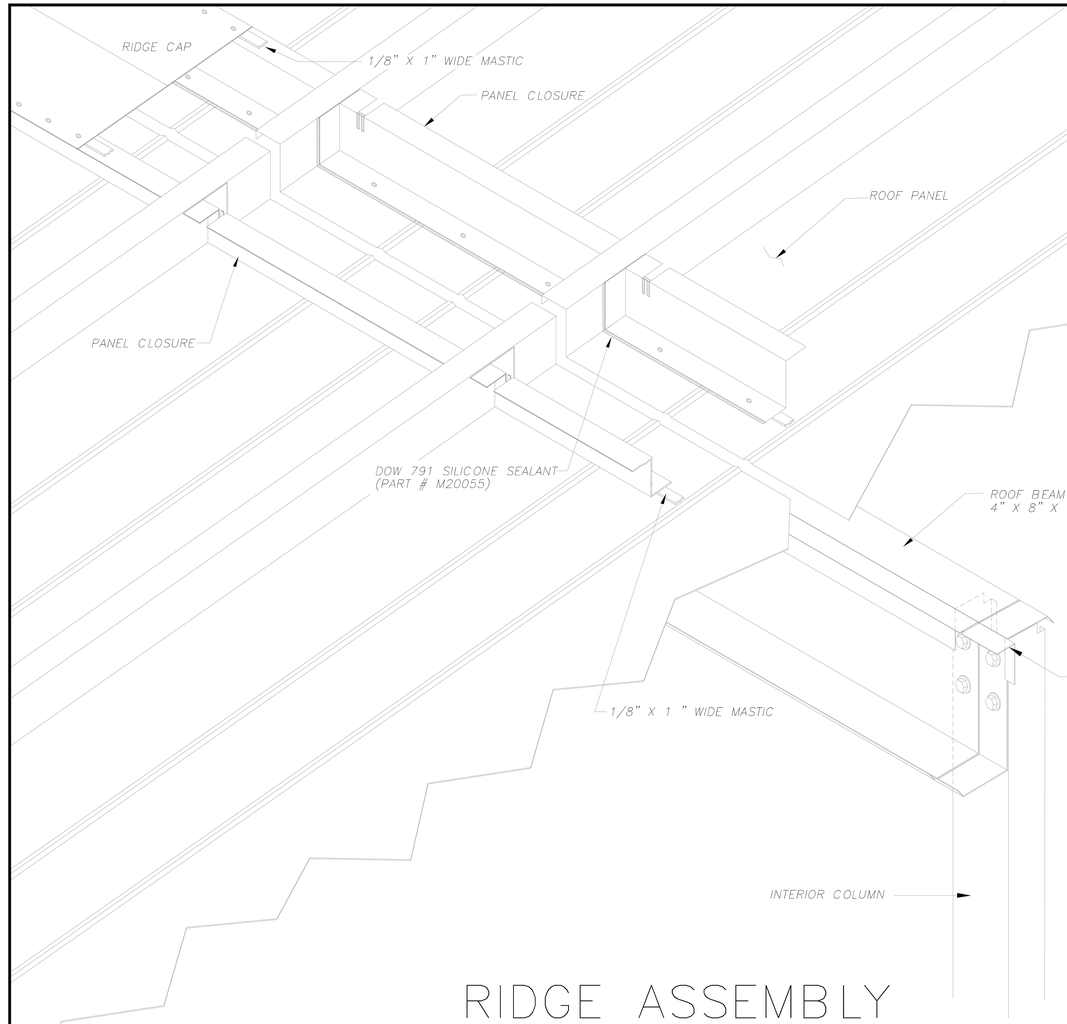
SOUTH CAROLINA PROFESSIONAL ENGINEER SEAL 029129 STEVEN W. SCHAUB
FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| ADDED MASTIC DETAIL AT ROOF CLIP | 2/9/03 | JCM |
| ADDED MORE INFORMATION ABOUT STITCH SCREWS | 1/15/03 | JCM |
| ADDED FLIP SHEET NOTE | 10/9/02 | JCM |
| ADDED FLIP SHEET DETAILS | 10-9-01 | SBJ |
| CHANGE 799 TO DOW CORNING 791 | 6/9/98 | CJG |
| CHANGE BRONZE CAULK TO DOW CORNING 799 | 4/28/98 | CJG |

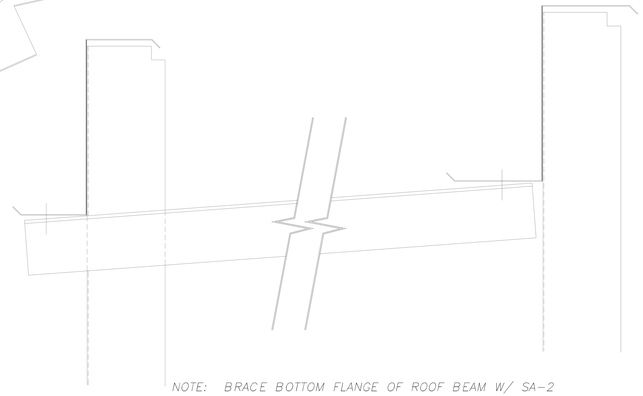
BETCO, INC.
BUILDING THE FUTURE OF SELF STORAGE
P.O. BOX 1650
STATESVILLE,NC 28687

SHEET TITLE: *Roof & Roof Clip Details*

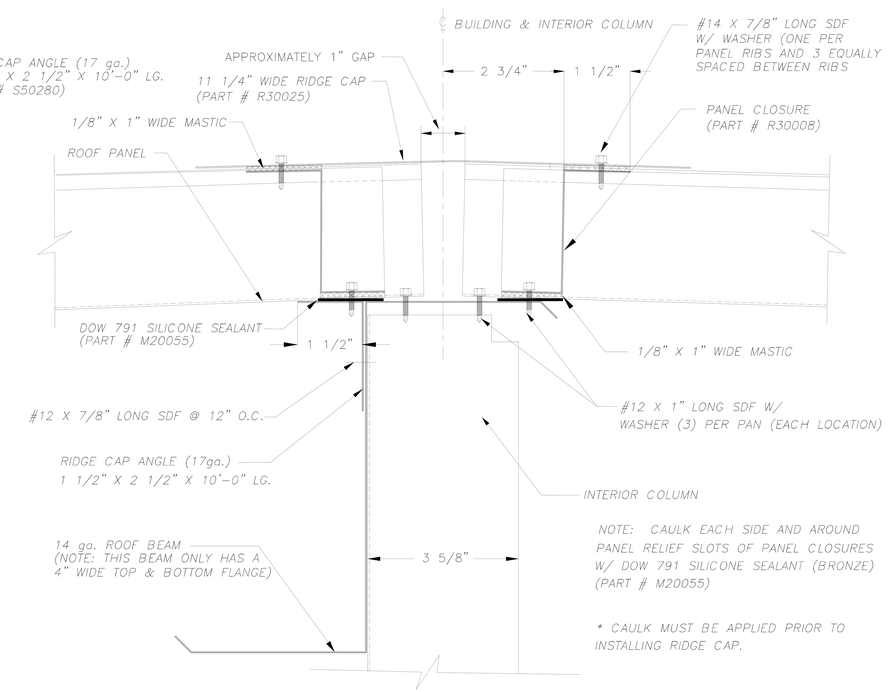
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| JOHNSON | | ERC410X |
| SCALE: NTS | DATE: 3/20/89 | |




# RIDGE ASSEMBLY



NOTE: BRACE BOTTOM FLANGE OF ROOF BEAM W/ SA-2 PRIOR TO INSTALLING ROOF, TO KEEP BEAM FROM TWISTING. BRACE CAN BE REMOVED AFTER ROOF IS INSTALLED.




NOTE: CAULK EACH SIDE AND AROUND PANEL RELIEF SLOTS OF PANEL CLOSURES W/ DOW 791 SILICONE SEALANT (BRONZE) (PART # M20055)

* CAULK MUST BE APPLIED PRIOR TO INSTALLING RIDGE CAP.

# SECTION @ RIDGE CAP

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB

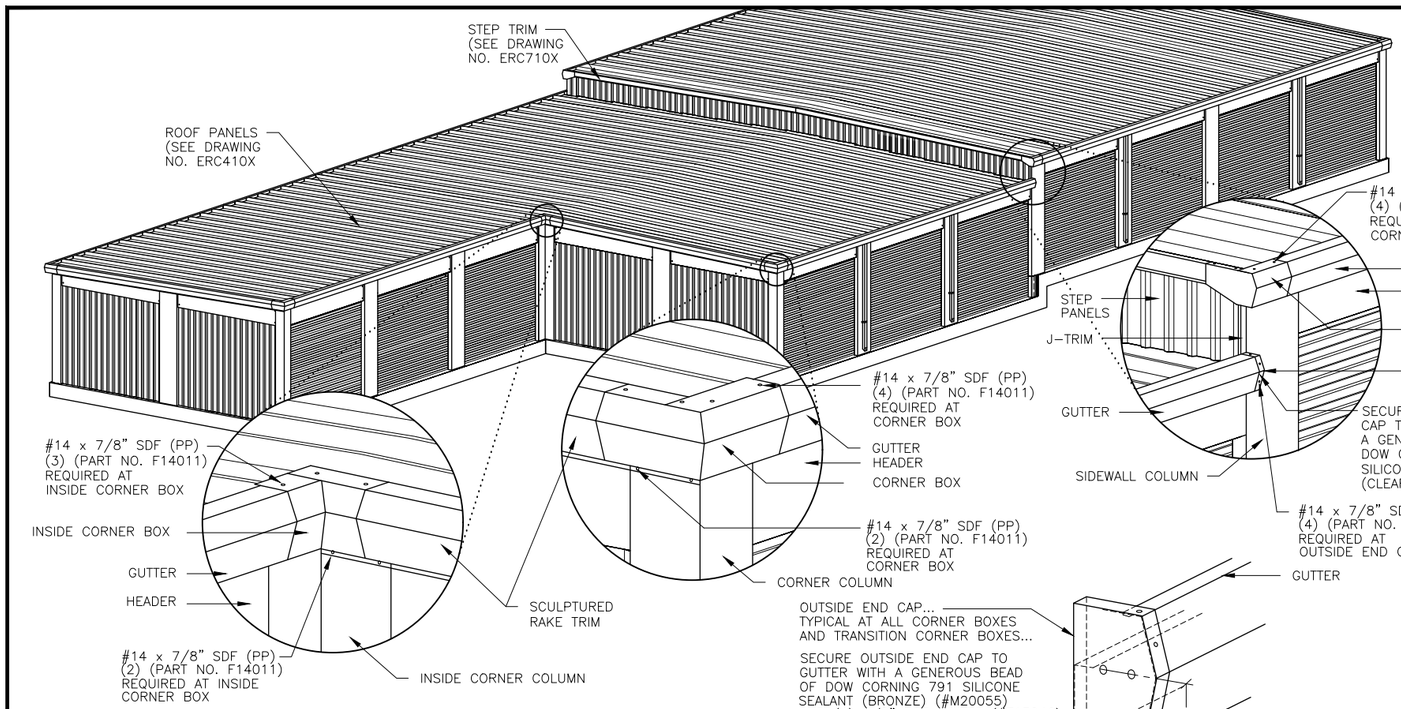
FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| ADDED SCREWS FOR CLARITY | 1/16/04 | JCM |
| REVISED INTERIOR COLUMN SIZE | 8/30/02 | JCM |
| GENERAL REVISIONS | 3/29/00 | BDL |
| CHANGED FROM CLEAR TO BRONZE SEALANT | 8/11/98 | JHP |
| REVISED SECTION @ RIDGE CAP | 7/14/98 | JHP |

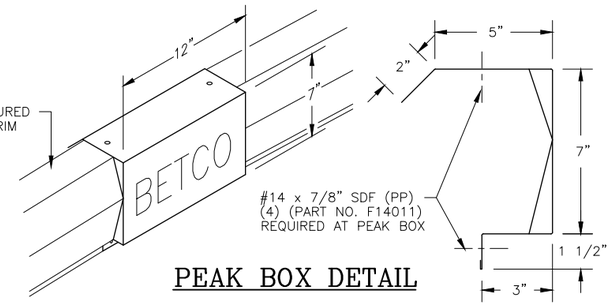
BETCO
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE: RIDGE CAP ASSEMBLY

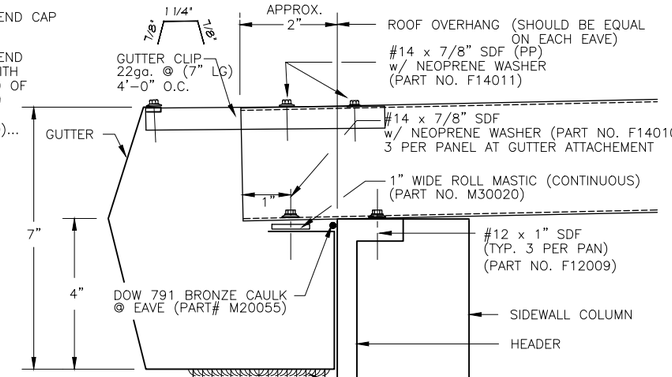
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| JHP | | ERC420X |
| SCALE: NTS | DATE: 12/17/96 | |

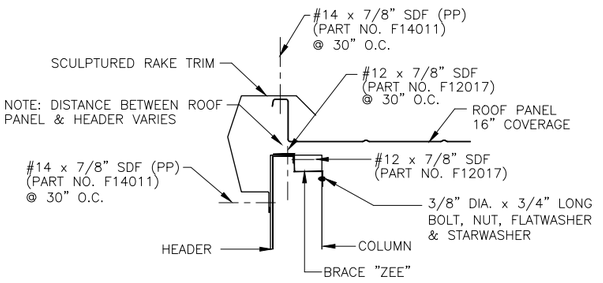



## INSTALLATION DETAIL FOR OUTSIDE END CAP WITHIN CORNER BOXES

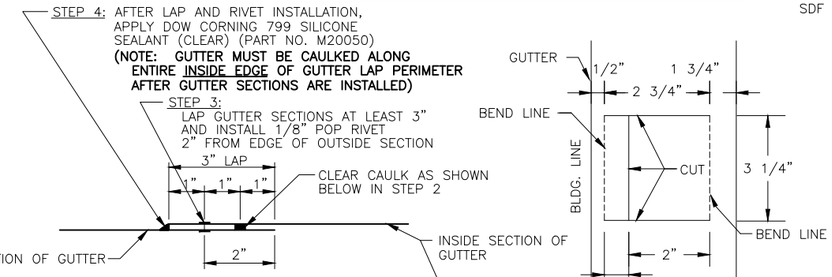



## PEAK BOX DETAIL

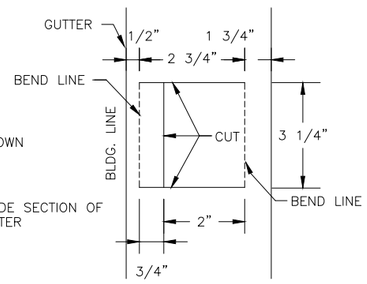



## SECTION AT RAKE

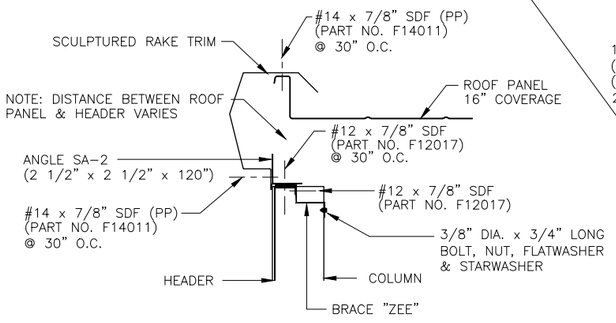



## SECTION AT GUTTER LAP JOINT

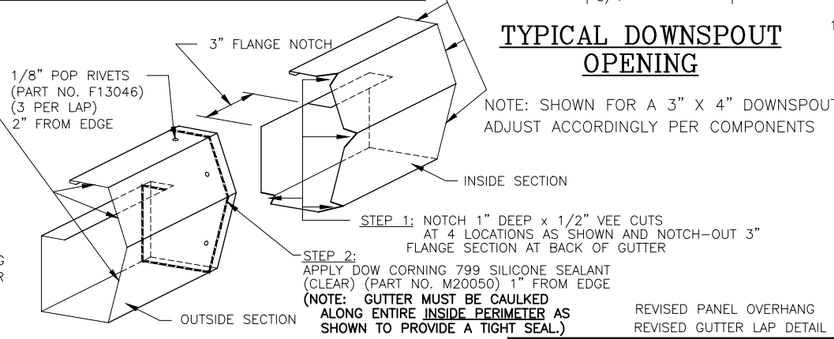



## TYPICAL DOWNSPOUT OPENING

NOTE: SHOWN FOR A 3" X 4" DOWNSPOUT
ADJUST ACCORDINGLY PER COMPONENTS




## SECTION AT RAKE AND ANGLE SA-2




## TYPICAL GUTTER LAP JOINT

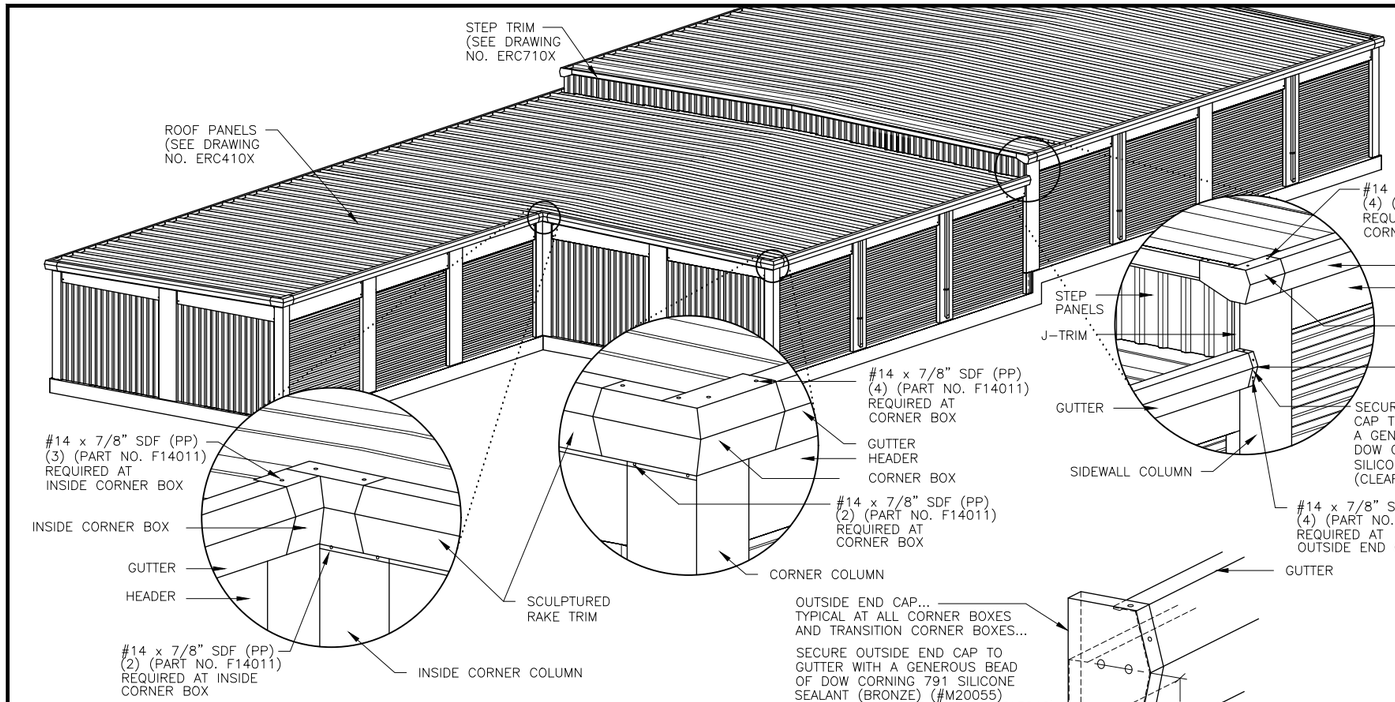
| REVISIONS | DATE | BY |
|---|---|---|
| REVISED PANEL OVERHANG | 1/3/08 | LKW |
| REVISED GUTTER LAP DETAIL | 3/20/03 | JCM |
| REVISED FASTENER SIZE | 1/15/03 | JCM |
| REVISED GUTTER JOINT DETAIL | 10/9/02 | JCM |
| CHANGED INSIDE END CAP TO OUTSIDE END CAP | 12/13/00 | BDL |
| REVISED DOWNSPOUTS | 07/10/00 | JCM |
| GENERAL REVISIONS | 03/19/99 | FOX |

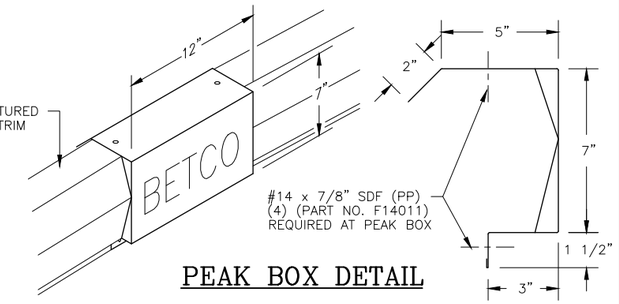
BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

SHEET TITLE: *Sculptured Rake Trim, Extended Gutters and Downspouts*

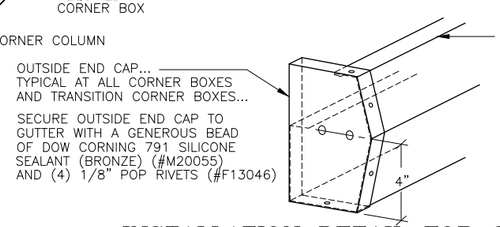
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| CJG | | *ERC505X* |
| SCALE: NTS | DATE: 4/7/98 | |

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB
FEB 26 2026

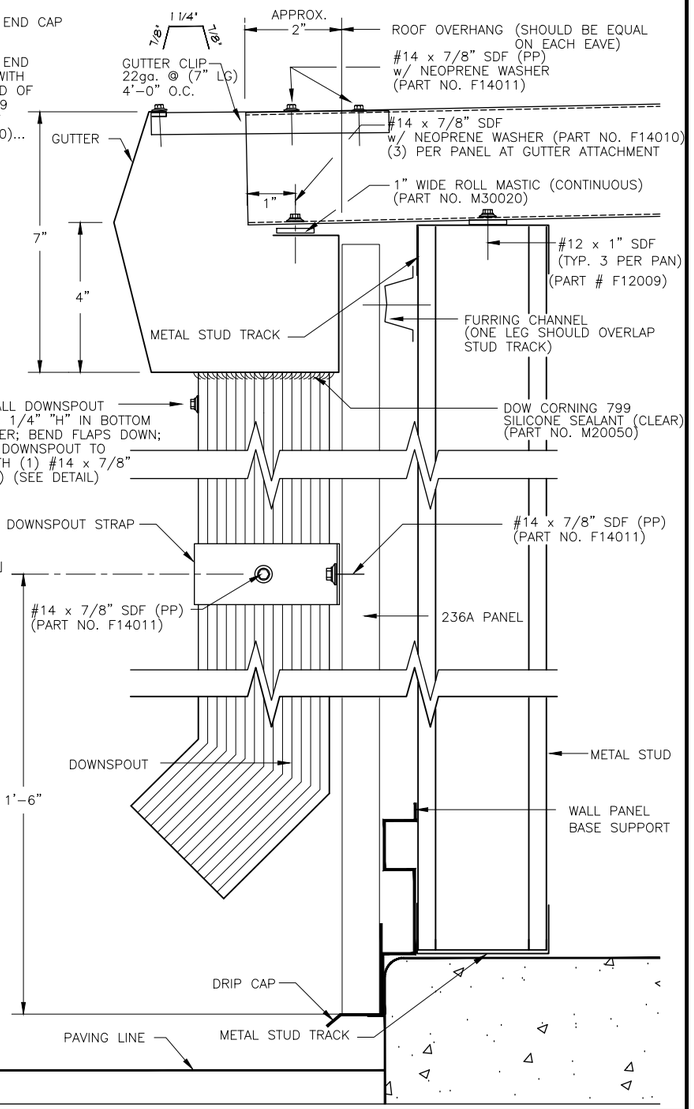


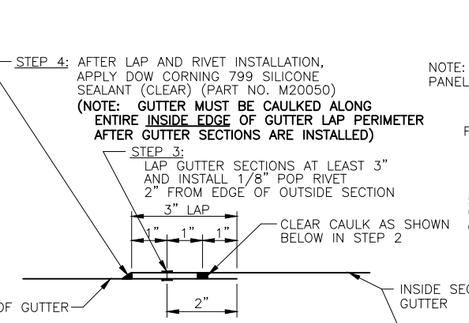

## PEAK BOX DETAIL



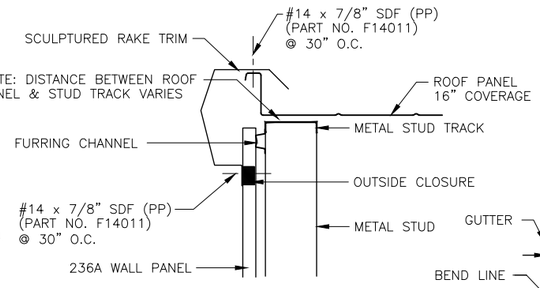

## INSTALLATION DETAIL FOR OUTSIDE END CAP WITHIN CORNER BOXES



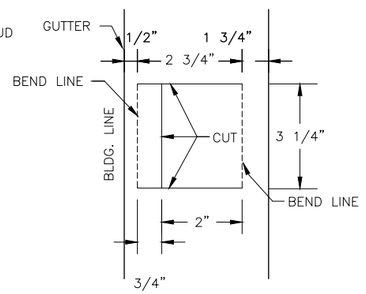
FEB 26 2026




## SECTION AT GUTTER LAP JOINT

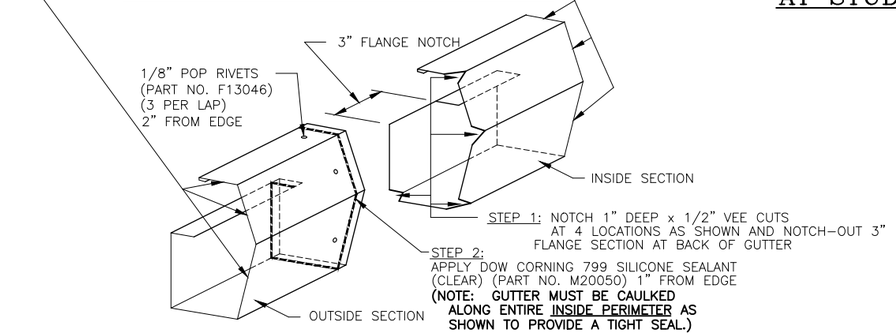



## SECTION AT RAKE AT STUDWALL




## TYPICAL DOWNSPOUT OPENING

NOTE: SHOWN FOR A 3" X 4" DOWNSPOUT
ADJUST ACCORDINGLY PER COMPONENTS



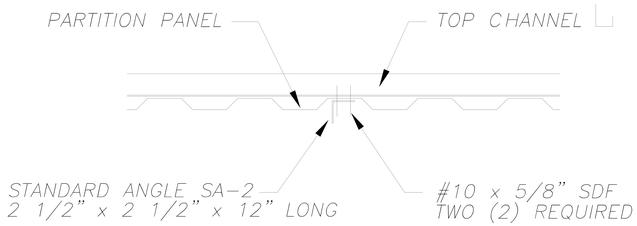

## TYPICAL GUTTER LAP JOINT

| REVISIONS | DATE | BY |
|---|---|---|
| REVISED PANEL OVERHANG | 1/3/08 | LKW |
| ADDED RAKE AT STUDWALL DETAIL | 1/16/04 | JCM |
| REVISED GUTTER LAP DETAIL | 3/20/03 | JCM |
| REVISED FASTENER SIZE | 1/15/03 | JCM |
| REVISED GUTTER JOINT DETAIL | 10/8/02 | JCM |
| REVISED STUDWALL NOTES | 8/29/02 | BAM |
| CHANGED INSIDE END CAP TO OUTSIDE END CAP | 12/13/00 | BDL |

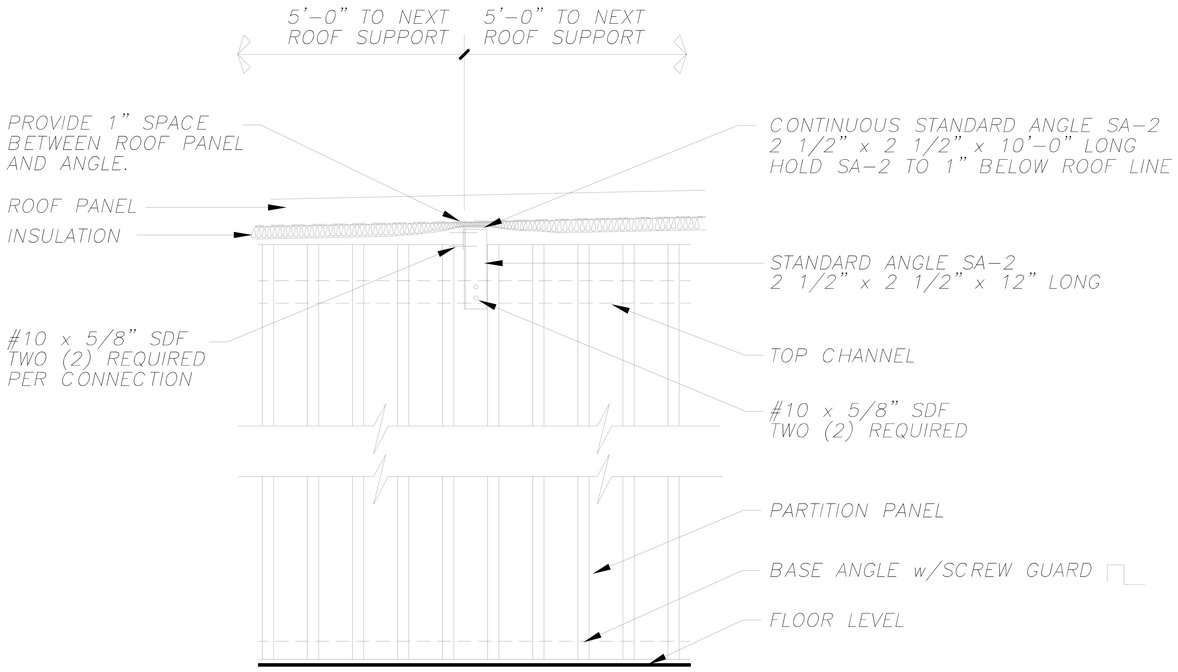
BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

SHEET TITLE: *Sculptured Rake Trim, Extended Gutters and Downspouts at Studwall*

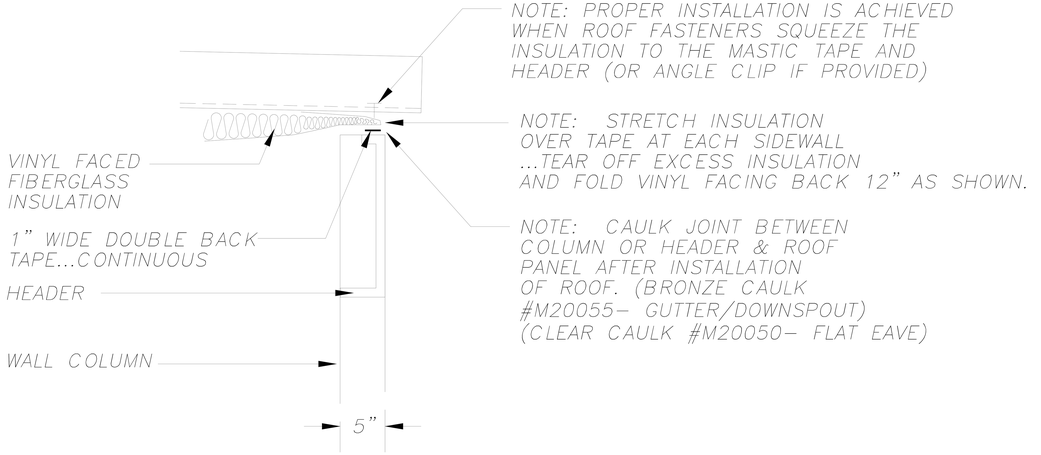
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| CJG | | ERC506X |
| SCALE: NTS | DATE: 4/7/98 | |




## PLAN VIEW




## ELEVATION AT INTERMEDIATE INSULATION SUPPORT




## INSULATION INSTALLATION @ SIDEWALL



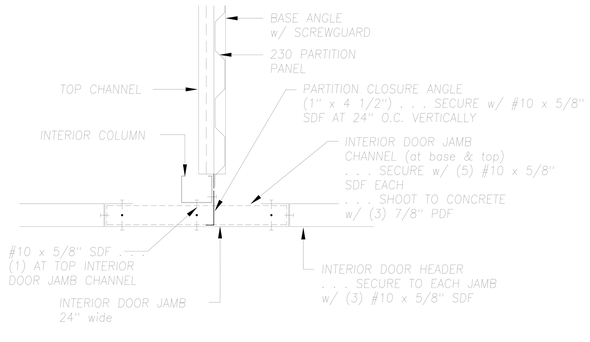

## INSULATION INSTALLATION AT END WALL

| REVISIONS | DATE | BY |
|---|---|---|
| 3 ADDED ROOF FASTENER NOTE | 4/17/03 | JCM |
| 2 REVISED SA-2 GAP | 1/14/03 | BAM |
| 1 GENERAL REVISIONS | 3-8-99 | FOX |

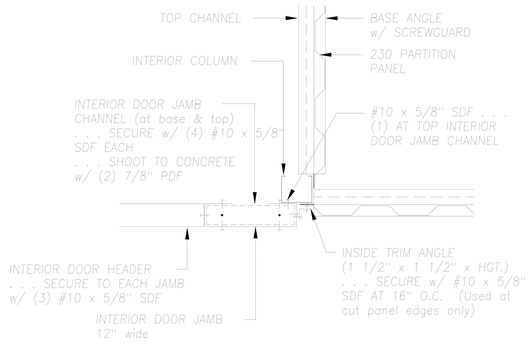
BETCO, INC.
BUILDING THE FUTURE OF SELF STORAGE
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE: Insulation installation

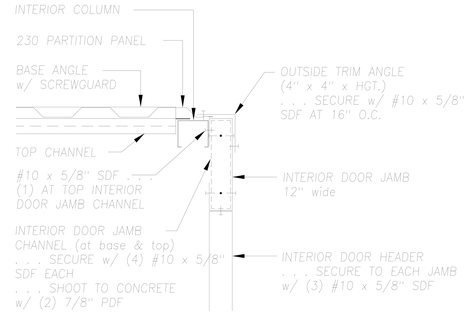
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| J Pope | | ERC700X |
| SCALE: NTS | DATE: 6-27-94 | |



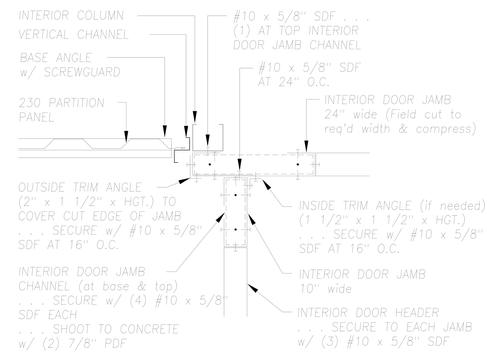

A 250 DOOR JAMB CONNECTION AT INTERIOR COLUMN




B 250 DOOR JAMB CONNECTION AT INTERIOR COLUMN AND PARTITION PANEL




C 250 DOOR JAMB CONNECTION AT OUTSIDE CORNER




D 250 DOOR JAMB CONNECTION AT INSIDE CORNER




E 250 DOOR JAMB CONNECTION AT INTERIOR COLUMN



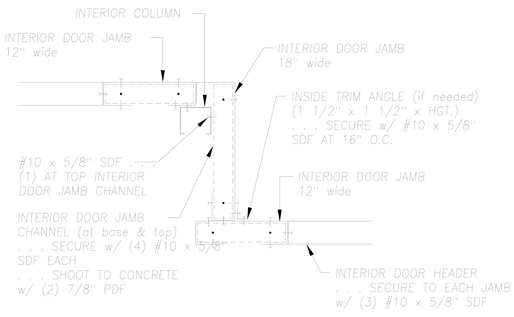

F 250 DOOR JAMB CONNECTION AT VERTICAL CHANNEL




G 250 DOOR JAMB CONNECTION AT INTERIOR COLUMN AND PARTITION PANEL

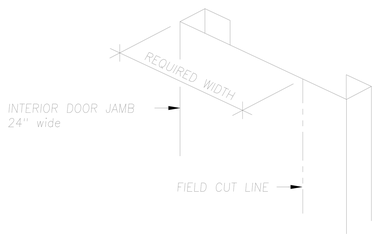


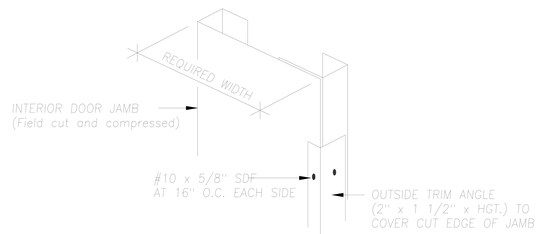

H 250 DOOR JAMB CONNECTION AT VERTICAL CHANNEL AND PARTITION PANEL




I 250 DOOR JAMB CONNECTION AT 18" CORRIDOR OFFSET

FEB 26 2026



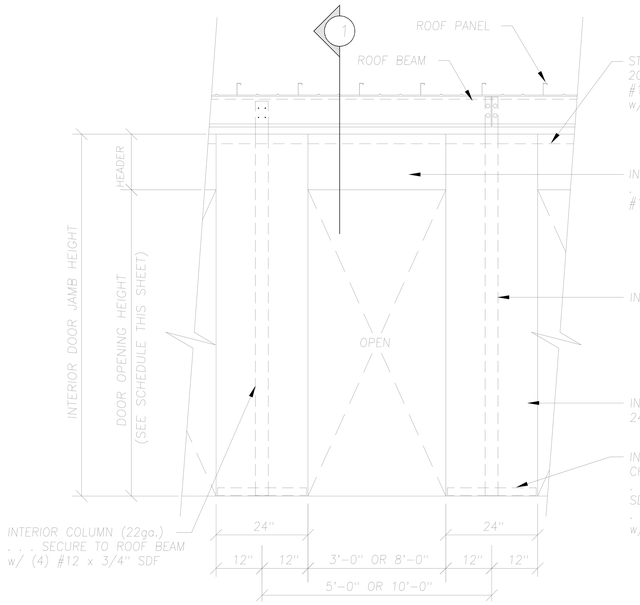

DETAIL FOR THE FIELD CUTTING AND COMPRESSION OF INTERIOR DOOR JAMBS

| REVISIONS | DATE | BY |
|---|---|---|
| | | |

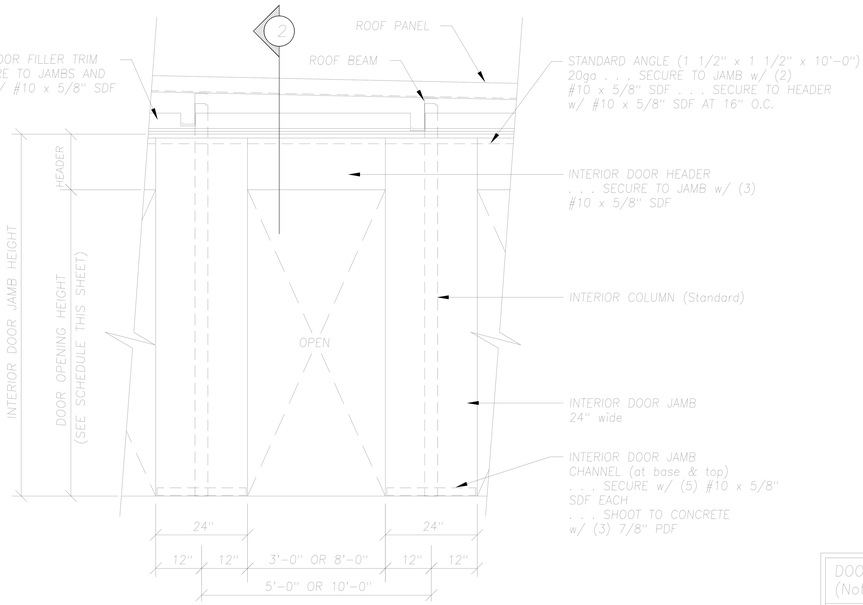
BETCO
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE:
*Typical Interior Corridor Details*

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| BDL | | *ERC250N* |
| SCALE: NTS | DATE: 8/8/08 | |




A/252 ELEVATION OF INTERIOR DOOR FRAMING PARALLEL TO ROOF BEAM




B/252 ELEVATION OF INTERIOR DOOR FRAMING PERPENDICULAR TO ROOF BEAM

NOTES :

Roof insulation is not shown for clarity.

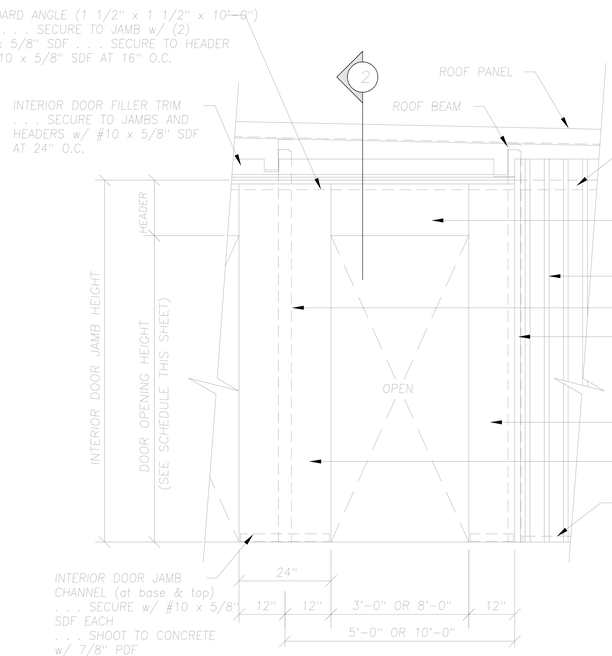
See ERC250X for installation of door stops at swing doors.

DOOR OPENING HEIGHT SCHEDULE
(Note: See Floor Plans to determine interior door heights)

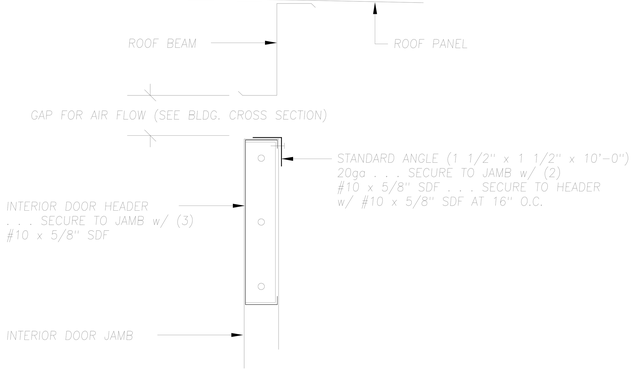
| INTERIOR DOOR HEIGHT | ROLL-UP DOOR OPENING HEIGHT | SWING DOOR OPENING HEIGHT |
|---|---|---|
| 6'-8" | 6'-8" | 6'-9 1/2" |
| 7'-0" | 7'-0" | 7'-1 1/2" |

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029129 STEVEN W. SCHAUB

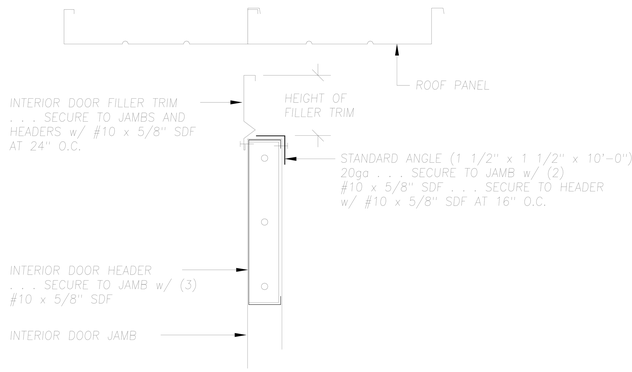
FEB 26 2026




C/252 ELEVATION OF INTERIOR DOOR FRAMING PERPENDICULAR TO ROOF BEAM WITH ADJOINING PARTITION PANELS




SECTION "1"



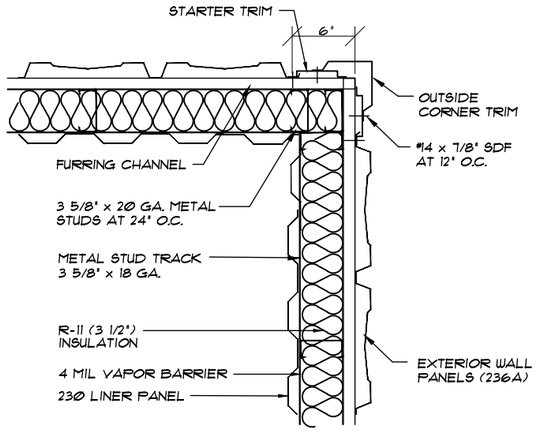

SECTION "2"

| REVISIONS | DATE | BY |
|---|---|---|
| | | |

BETCO
P.O. BOX 1650
STATESVILLE, NC 28687

SHEET TITLE:
*Interior Corridor Elevations*

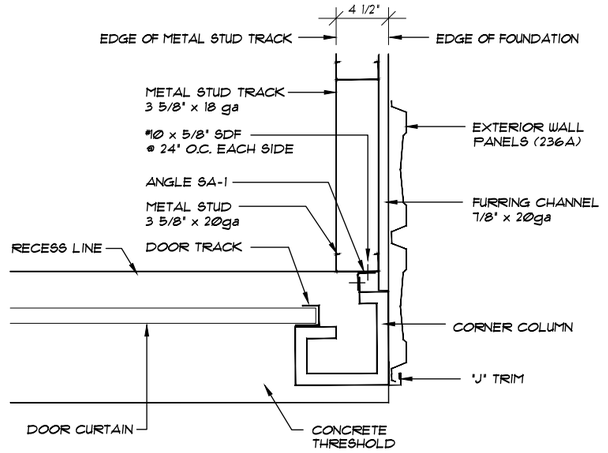
| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| BDL | | *ERC252N* |
| SCALE: NTS | DATE: 8/8/08 | |




## INSULATED STUDWALL CORNER DETAIL

A/600

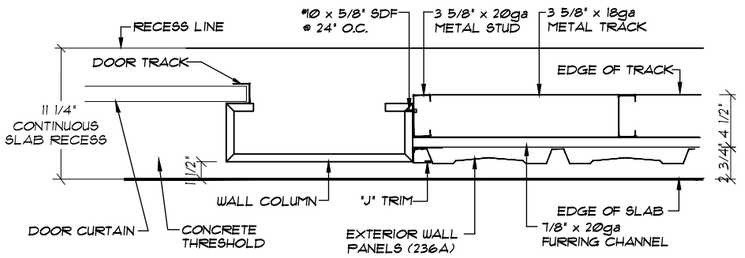
NOT TO SCALE




## STUDWALL CONSTRUCTION @ CORNER COLUMN

C/600

NOT TO SCALE

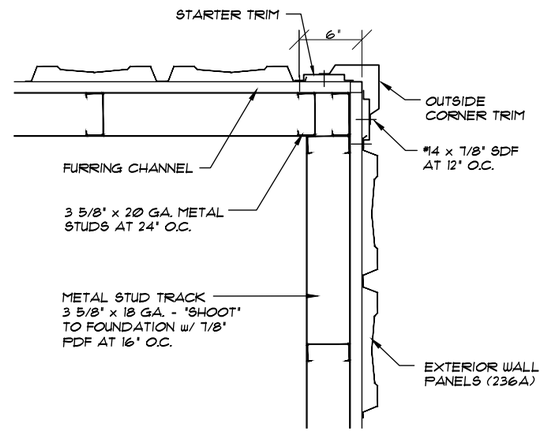



*NOTE: WALL PANELS AND "J" TRIM MUST LINE UP WITH OUTSIDE EDGE OF WALL COLUMN

## STUDWALL CONSTRUCTION @ WALL COLUMN IN RECESS

E/600

NOT TO SCALE



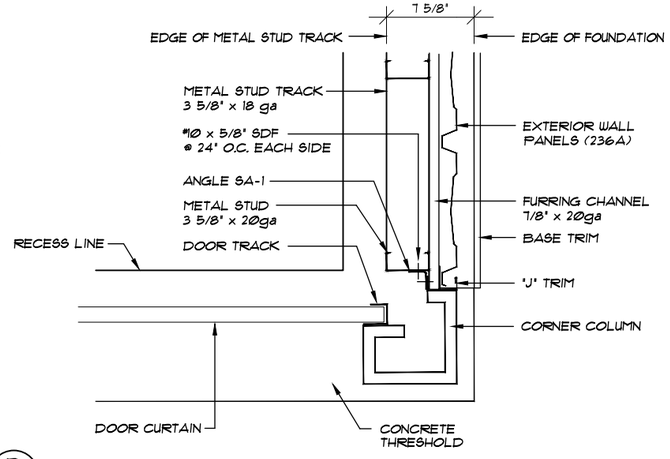

## UNINSULATED STUDWALL CORNER DETAIL

B/600

NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB

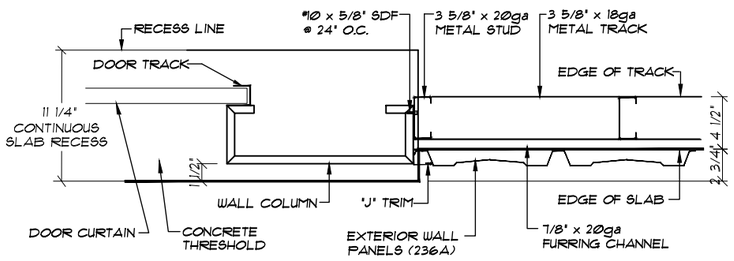
FEB 26 2026




## STUDWALL CONSTRUCTION @ CORNER COLUMN W/ THRESHOLD

D/600

NOT TO SCALE




*NOTE: WALL PANELS AND "J" TRIM MUST LINE UP WITH OUTSIDE EDGE OF WALL COLUMN

## STUDWALL CONSTRUCTION @ WALL COLUMN

F/600

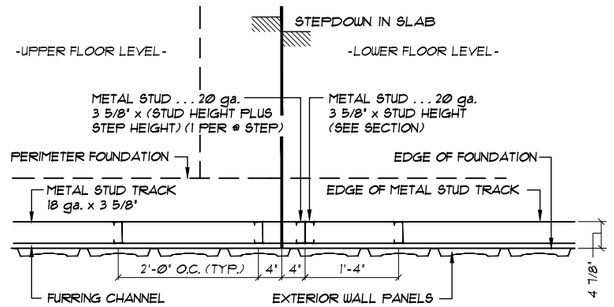
NOT TO SCALE

| | | |
|---|---|---|
| 1 REVISED STUD SIZE | 8/29/02 | BAM |
| REVISIONS | DATE | BY |

BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

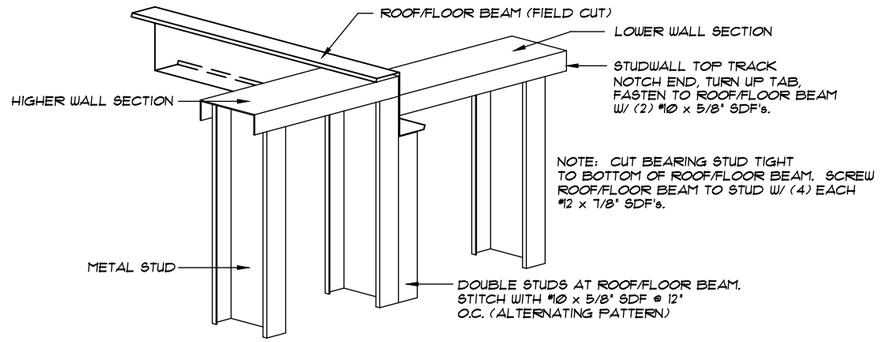
SHEET TITLE: *Studwall Details*

| | | |
|---|---|---|
| DRAWN BY: CJG | APPROVED BY: | DRAWING NUMBER: ERC600X |
| SCALE: NTS | DATE: 4/14/00 | |



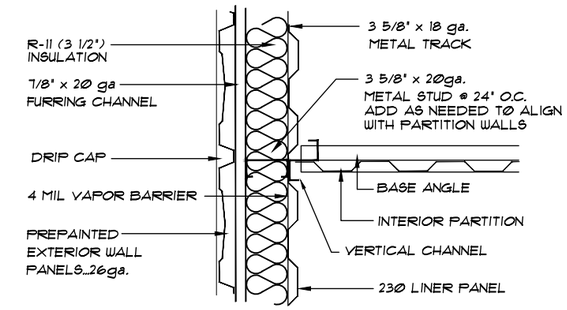

A/601 PLAN VIEW OF STUDWALL @ FLOOR STEPDOWN

NOT TO SCALE



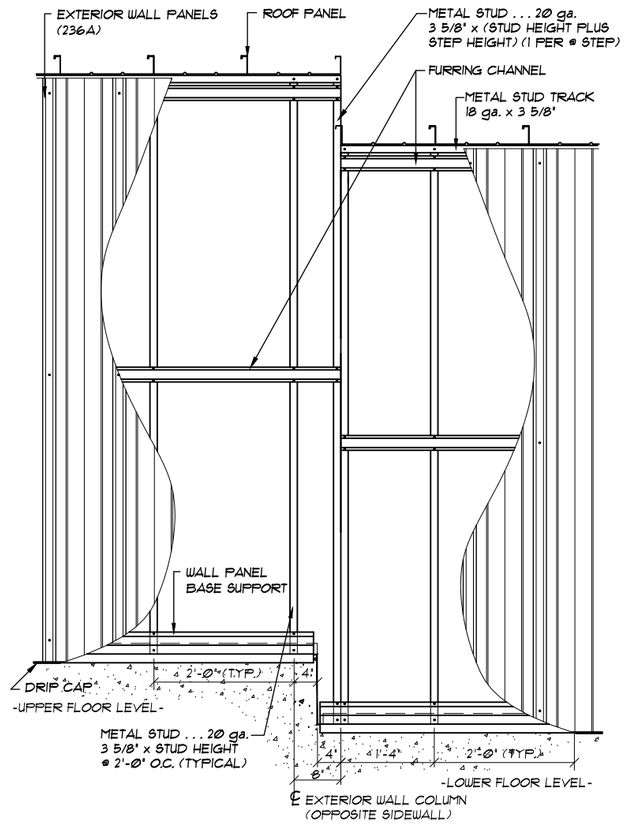

C/601 ROOF/FLOOR BEAM @ STUDWALL

NOT TO SCALE



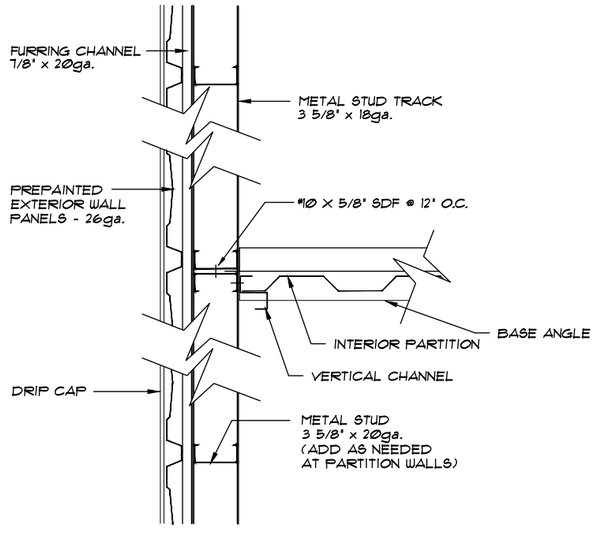

E/601 PARTITION INSTALLATION AT INSULATED EXTERIOR STUDWALL

NOT TO SCALE



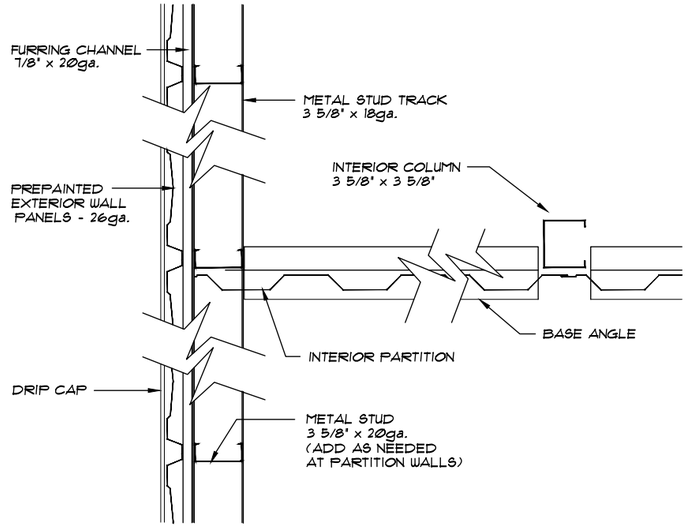

B/601 ELEVATION @ STUDWALL AND STEPDOWN

NOT TO SCALE




D/601 PARTITION INSTALLATION UNDER ROOF BEAM

NOT TO SCALE




F/601 PARTITION INSTALLATION AT STUDWALL

NOT TO SCALE

SEAL
029129
NORTH CAROLINA
PROFESSIONAL
ENGINEER
STEVEN W. SCHAUB

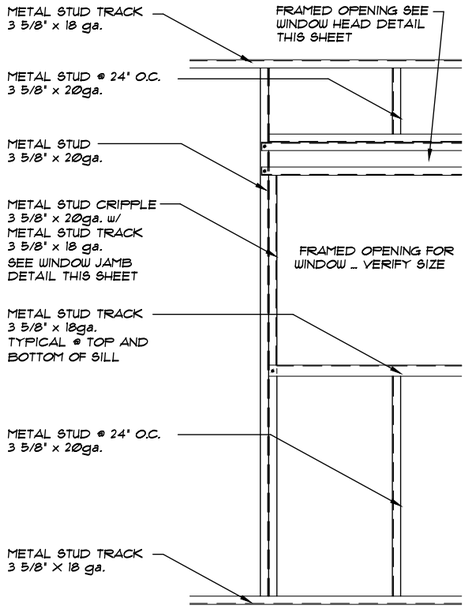
FEB 26 2026

| | REVISIONS | DATE | BY |
|---|---|---|---|
| | | | |
| | | | |
| 3 | REVISED C/601 TO INCLUDE FLOOR BEAM | 5/1/03 | JCM |
| 2 | REVISED C/601 TO INCLUDE FLOOR BEAM | 4/17/03 | JCM |
| 1 | REVISED STUD SIZE | 8/29/02 | BAM |

BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

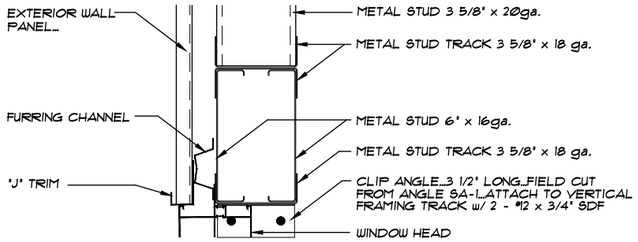
SHEET TITLE: *Studwall Details*

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| CJG | | ERC601X |
| SCALE: NTS | DATE: 4/14/00 | |



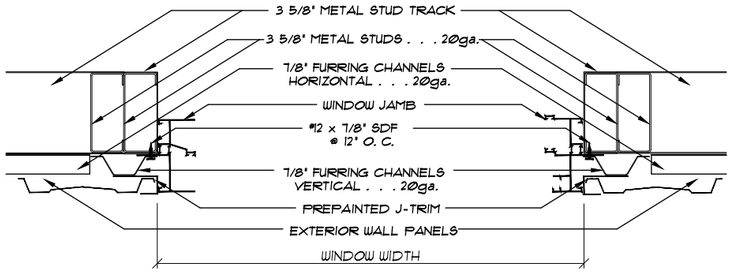

## WINDOW OPENING FRAMING DETAIL

NOT TO SCALE



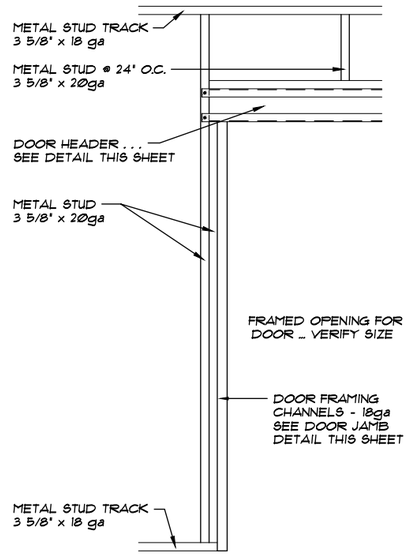

## TYPICAL WINDOW HEADER DETAIL

NOT TO SCALE



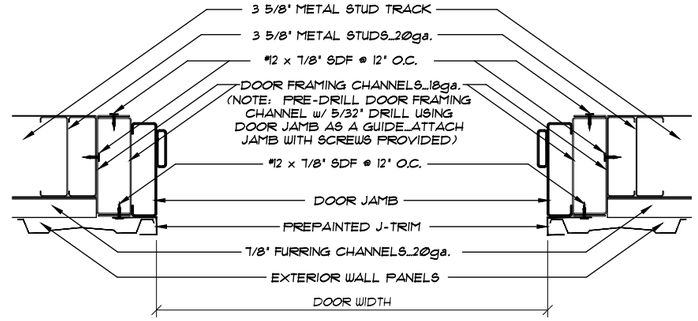

## TYPICAL WINDOW JAMB DETAIL

NOT TO SCALE



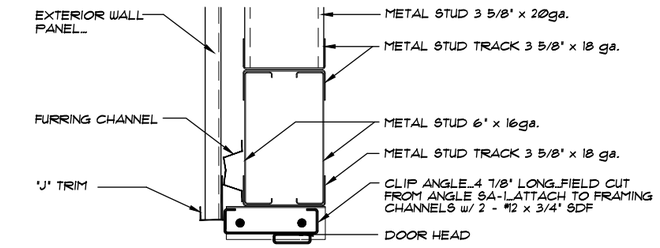

## DOOR OPENING FRAMING DETAIL

NOT TO SCALE




## TYPICAL DOOR JAMB DETAIL

NOT TO SCALE




## TYPICAL DOOR HEADER DETAIL

NOT TO SCALE

NOTE:
VERIFY ACTUAL DOOR DIMENSIONS PRIOR TO FRAMING OPENINGS AS DOORS CAN VARY SLIGHTLY FROM THE DIMENSIONS LISTED BY MANUFACTURER.

| DOOR SIZE | PLYCO * OUT TO OUT FRAME DIMENSION | PDL * OUT TO OUT FRAME DIMENSION |
|---|---|---|
| 3'-6" x 6'-8" | 3'-10" x 6'-9 13/16" | 3'-10" x 6'-10 1/4" |
| 4'-0" x 6'-8" | 4'-4" x 6'-9 13/16" | 4'-4" x 6'-10 1/4" |
| 3'-6" x 7'-0" | 3'-10" x 7'-1 13/16" | 3'-10" x 7'-2 1/4" |
| 4'-0" x 7'-0" | 4'-4" x 7'-1 13/16" | 4'-4" x 7'-2 1/4" |

* VERIFY DOOR MANUFACTURER WITH TAKE-OFF

FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| | | |
| | | |
| REVISED DUE TO DOOR HEIGHT CHANGE | 4/7/05 | BDL |
| REVISED STUD SIZE | 8/29/02 | BAM |
| ADDED DOOR DIMENSIONS AND NOTE | 9/7/01 | JRB |

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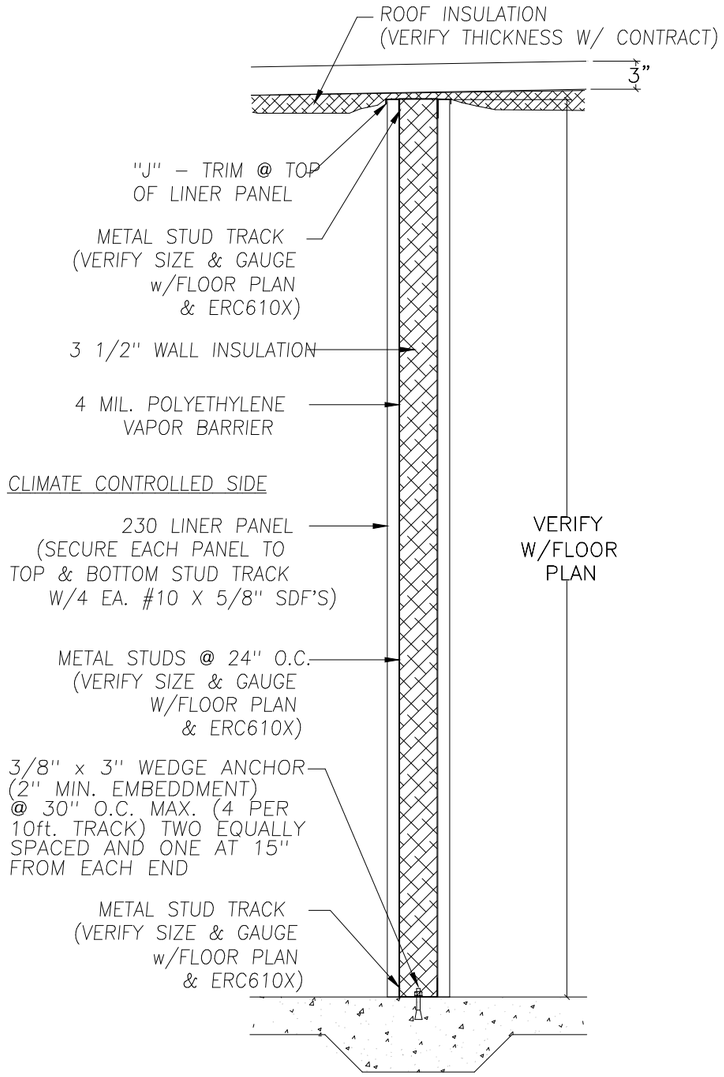
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

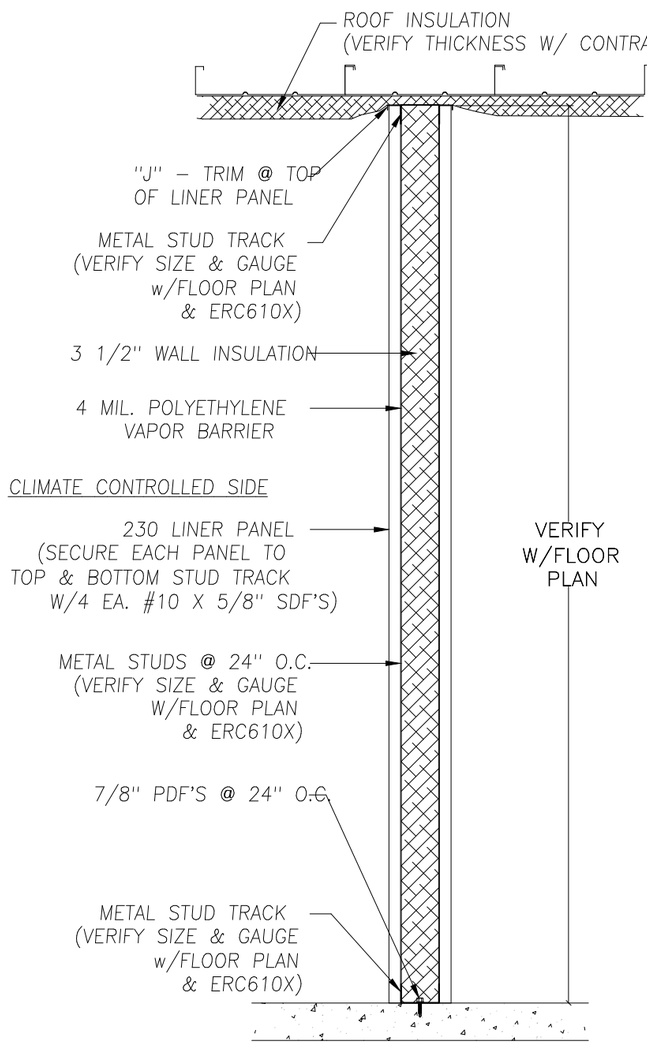
SHEET TITLE:
*Exterior Personnel Door & Window Details In Studwall*

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| JCM | | ERC602X |
| SCALE: NTS | DATE: 4/14/00 | |




A/615 INTERIOR CLIMATE CONTROLLED STUDWALL (LOAD BEARING)

NOT TO SCALE




B/615 INTERIOR CLIMATE CONTROLLED STUDWALL (NON–LOAD BEARING)

NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB

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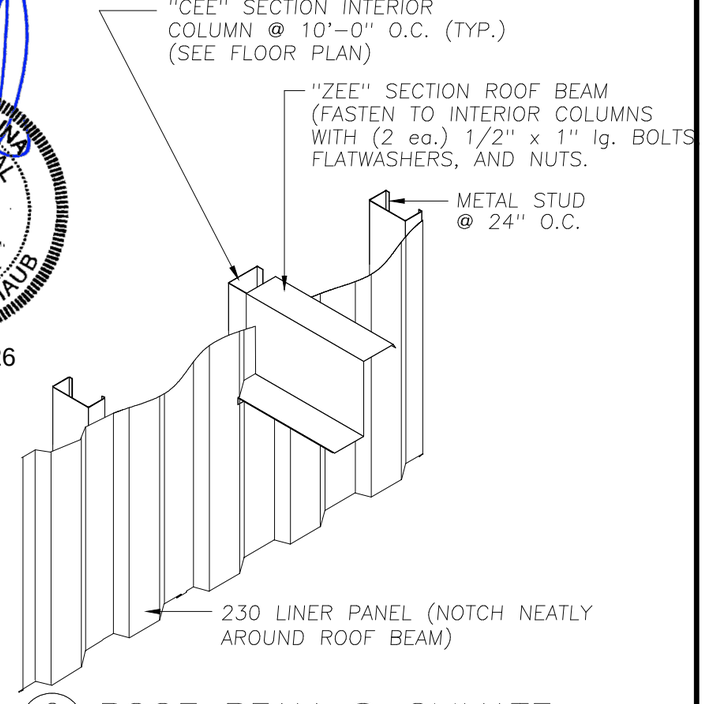



C/615 ROOF BEAM @ CLIMATE CONTROLLED WALL (NON–LOAD BEARING)

NOT TO SCALE

NOTE: ATTACH PARTITION PANELS TO INTERIOR COLUMN ONLY (NOT STUDS) WITH 4 EACH #10 X 5/8" SDF'S INSTALLED AT THE TOP, BOTTOM, AND AT THE 1/3 POINTS NOT TO EXCEED A 3'–0" VERTICAL SPACING BETWEEN FASTENERS.

GENERAL STUDWALL CONSTRUCTION:

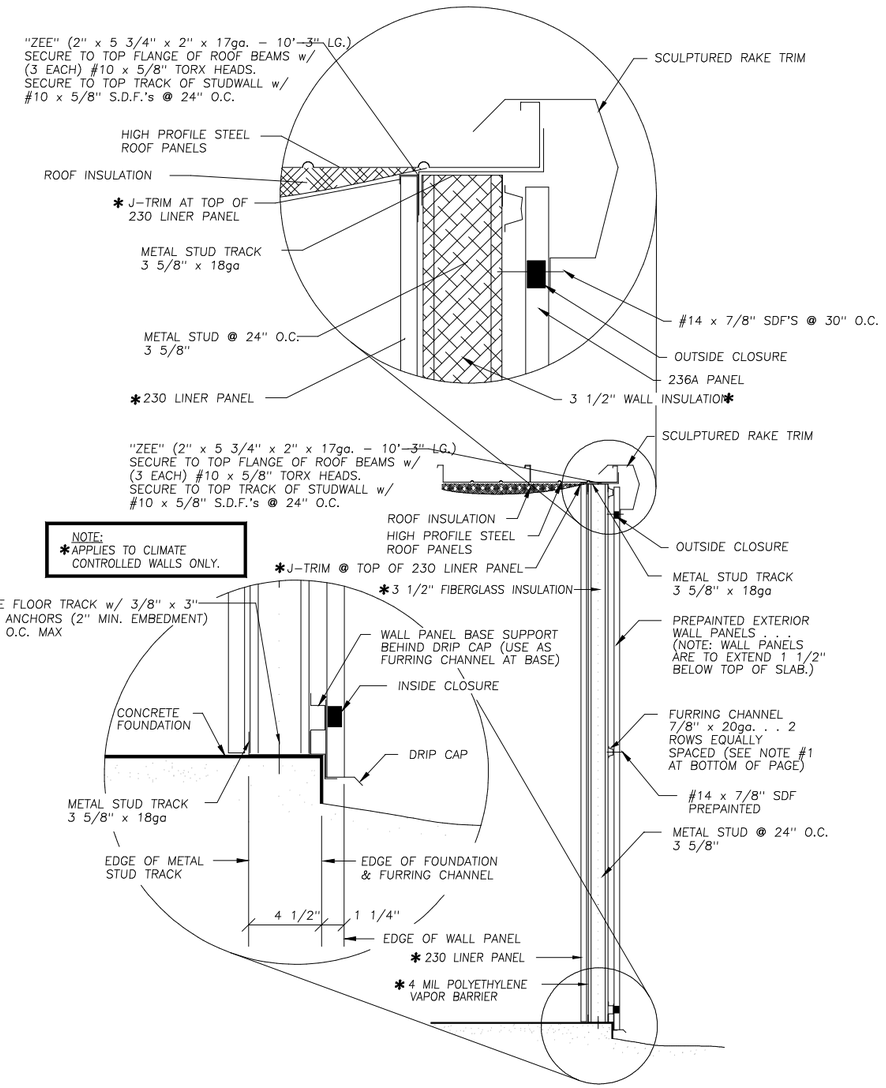
A) – ATTACH STUDS WITH #10 X 5/8" SDF'S EACH SIDE OF TRACK (4 PER STUD).
B) – WALLS MUST EXTEND FROM FLOOR TO ROOF DECK AND INTO WALL COLUMN CAVITY.
C) – TOP TRACK MUST FOLLOW SLOPE OF ROOF LINE.

| REVISIONS | DATE | BY |
|---|---|---|
| 3 REVISED STUD TRACK FASTENERS | 1/12/04 | JCM |
| 2 CHANGED 3/8" W/A LENGTH TO 3" | 4/30/03 | RSG |
| 1 REVISED INSULATION | 8/29/02 | BAM |

BETCO
P.O. BOX 1650
STATESVILLE, NC 28687

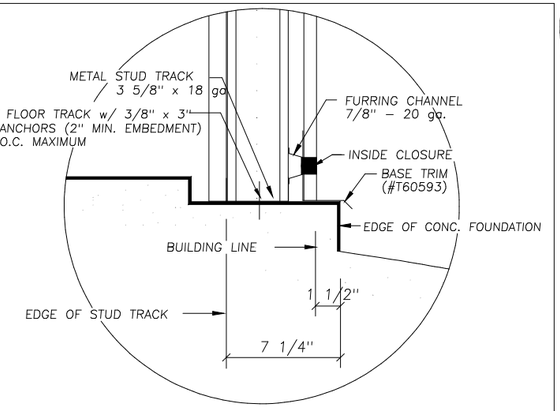
SHEET TITLE: INTERIOR CLIMATE CONTROLLED STUDWALL SECTIONS

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| SHL | | ERC615X |
| SCALE: NTS | DATE: 5/16/01 | |

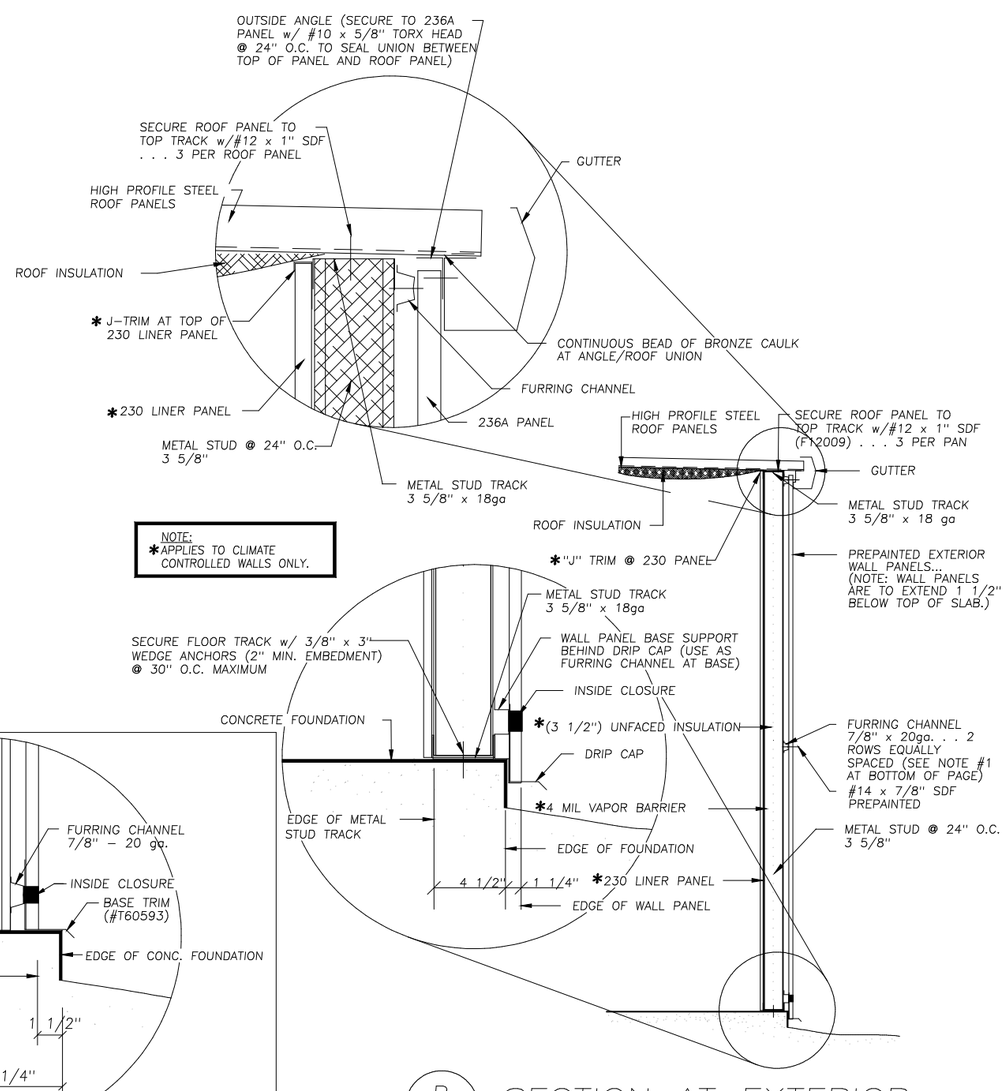



A/630 SECTION AT EXTERIOR STUDWALL ENDWALL

NOT TO SCALE




BASE CONDITION FOR STUDWALL IN RECESS




B/630 SECTION AT EXTERIOR STUDWALL SIDEWALL

NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB

FEB 26 2026

NOTE #1: IF STUDWALL IS GREATER THAN OR EQUAL TO 9'–10 1/2" HGT. 2 EQUALLY SPACED ROWS OF INTERMEDIATE FURRING CHANNELS ARE REQUIRED BETWEEN BASE AND TOP OF STUDWALL.

NOTE #2: NOT ALL BUILDINGS HAVE ROOF INSULATION, CHECK CROSS SECTION FOR INSULATION.

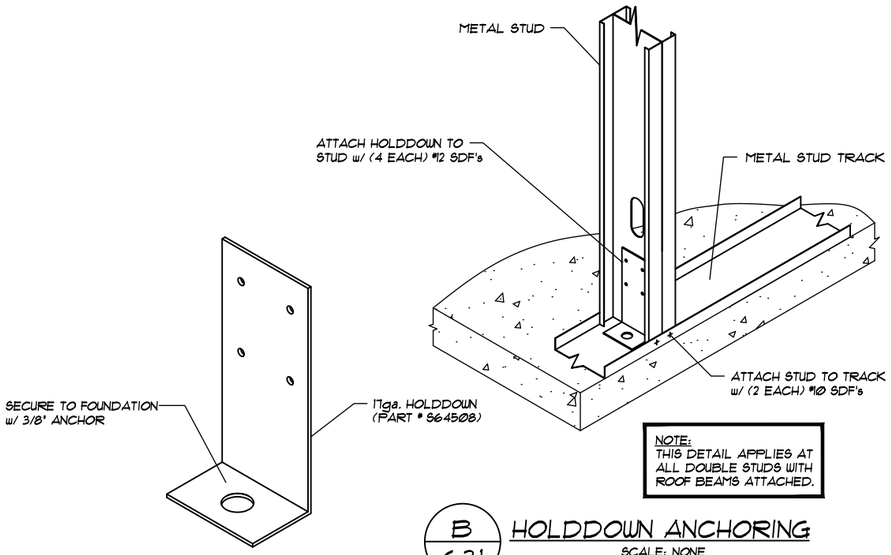
| REVISIONS | DATE | BY |
|---|---|---|
| | | |

BETCO

P.O. BOX 1650
STATESVILLE, NC 28687

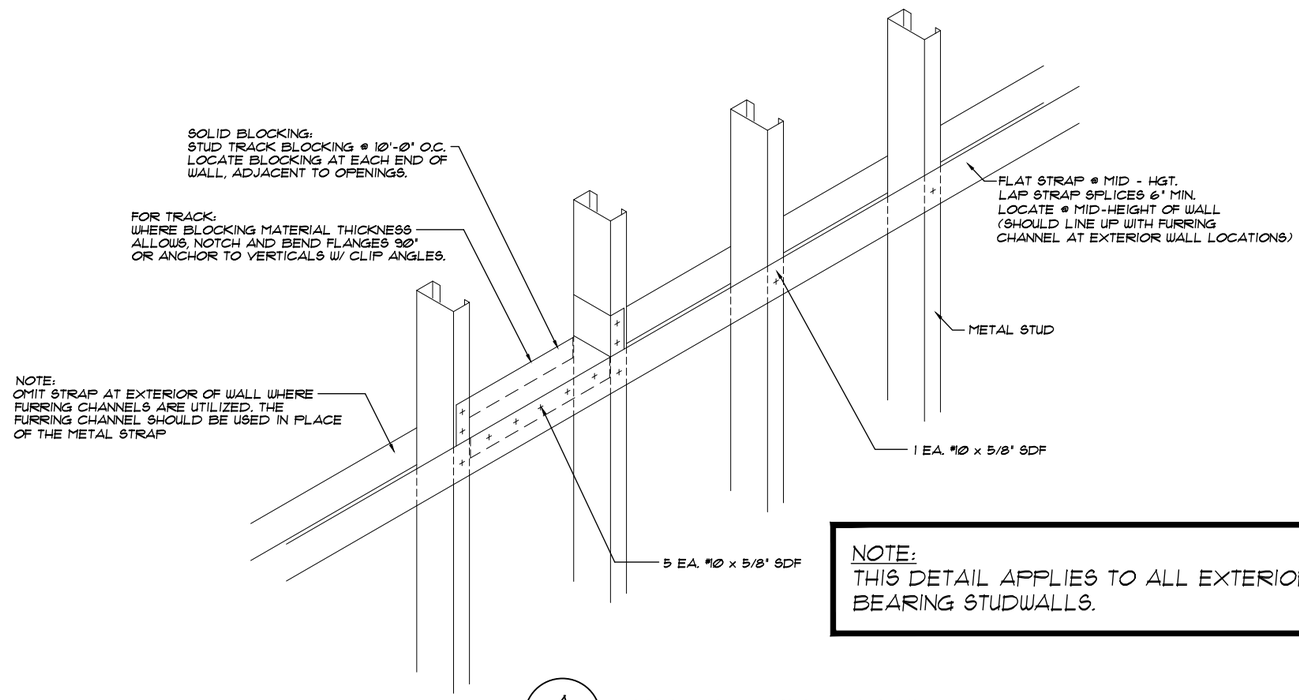
SHEET TITLE: *Studwall Sections*

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| JCM | | *ERC630X* |
| SCALE: NTS | DATE: 11/8/11 | |




NOTE:
THIS DETAIL APPLIES AT ALL DOUBLE STUDS WITH ROOF BEAMS ATTACHED.

B / 631 HOLDDOWN ANCHORING
SCALE: NONE




NOTE:
THIS DETAIL APPLIES TO ALL EXTERIOR BEARING STUDWALLS.

A / 631 WALL BLOCKING DETAIL
SCALE: NONE

NORTH CAROLINA PROFESSIONAL SEAL 029129 ENGINEER STEVEN W. SCHAUB

FEB 26 2026

| REVISIONS | DATE | BY |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

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228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

SHEET TITLE: *Studwall Details*

| DRAWN BY: | APPROVED BY: | DRAWING NUMBER: |
|---|---|---|
| JCM | | *ERC631X* |
| SCALE: NTS | DATE: 11/8/11 | |