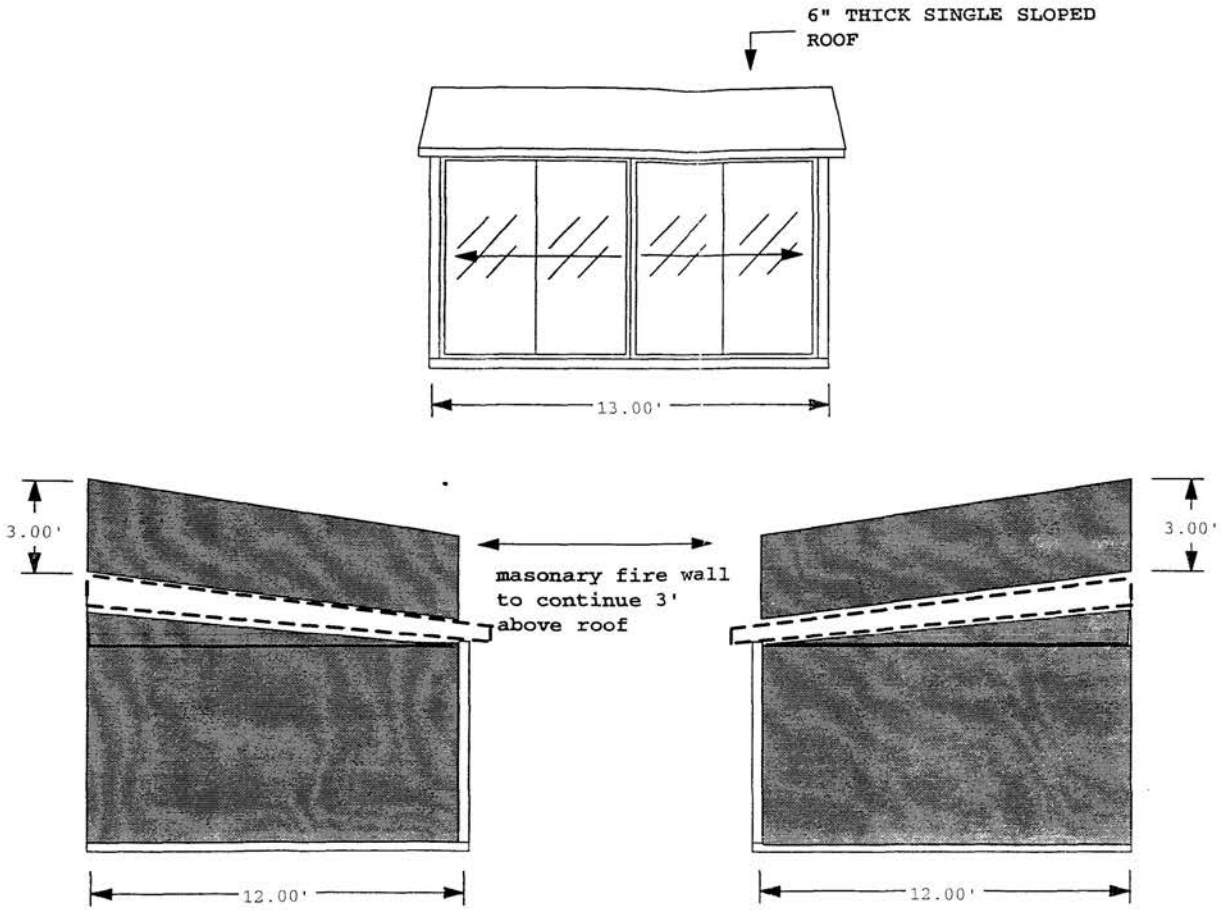
TYRONE BROWN
30607
1385 BARNABY TERR
S.E. WASHINGTON D.C.



BZA
Case No. 17182
Exhibit No. 10

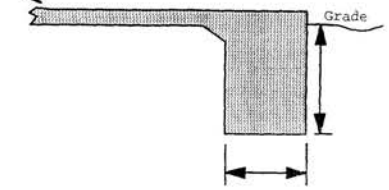
Job #
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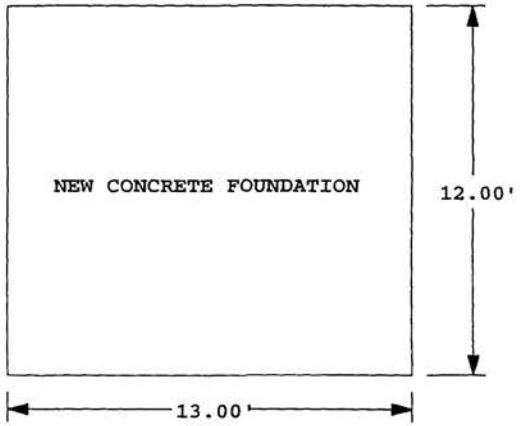
Board of Zoning Adjustment
District of Columbia
CASE NO. 17182
EXHIBIT NO. 10

TYRONE BROWN
30607
1385 BARNABY TERR
S.E. WASHINGTON D.C.

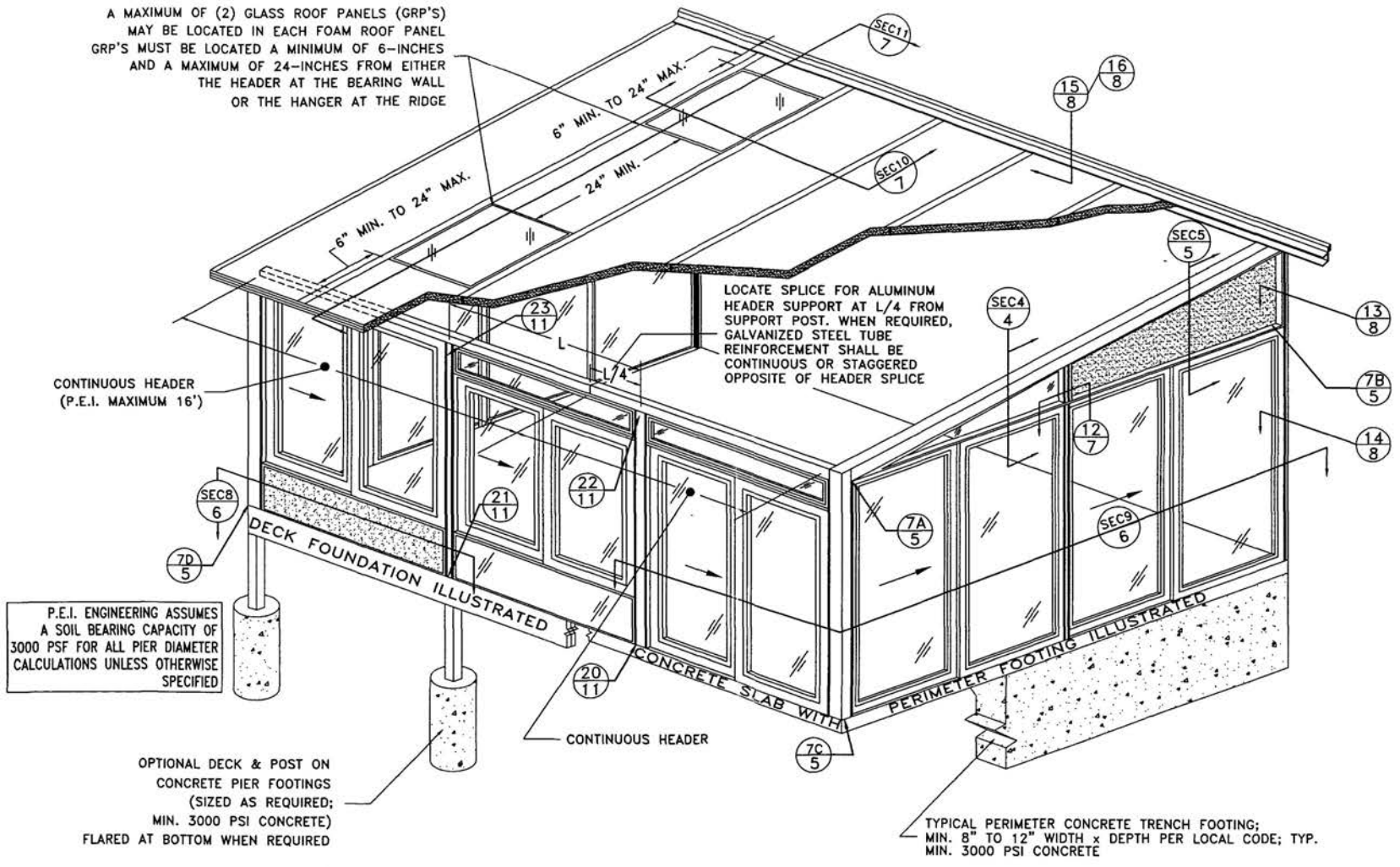
Monolithic Slab

4" conc. slab,
4" gravel
6 mil. P.V.B.
6X6 WWM





Job #
Checked by: Date:
Scale: 1/4" = 1'



AAS SUNROOM ENCLOSURES

SUNROOM ISOMETRIC

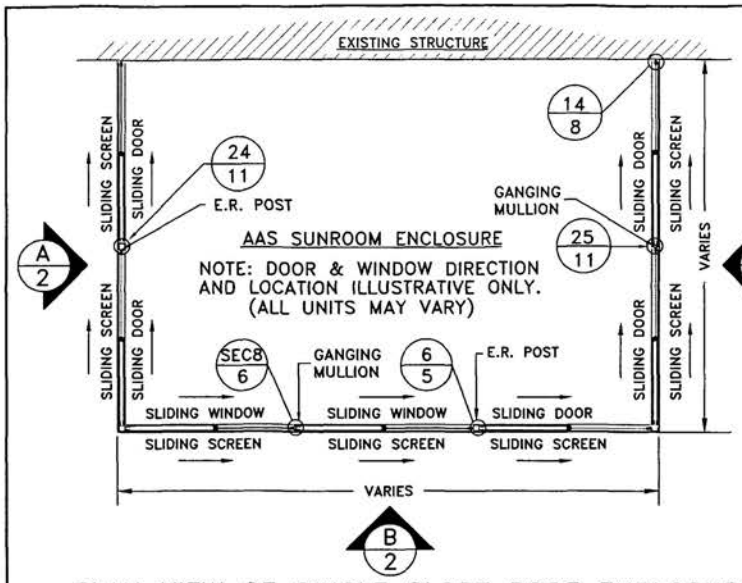
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DATE: 03-19-03
SCALE: NTS
REVISION: DATE:
"A" "B" "C" "D" "FINAL"

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MACEDONIA, OHIO 44056

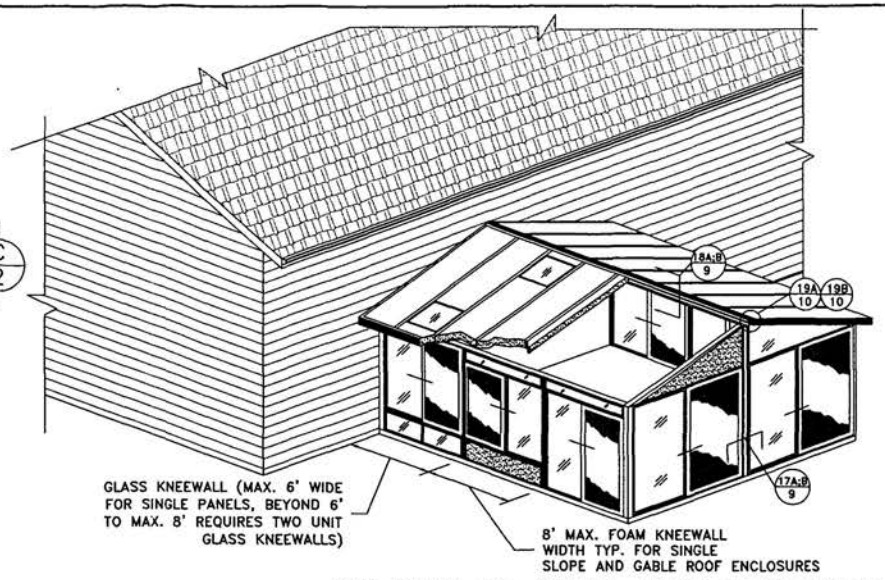
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STANDARD AAS DETAILS

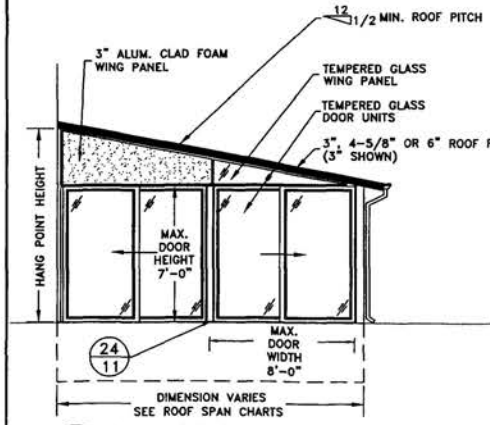


PLAN VIEW OF SINGLE SLOPE ROOF ENCLOSURE

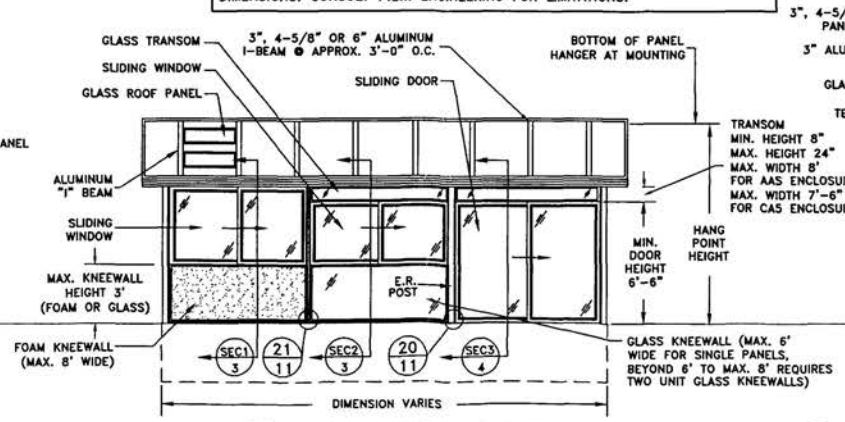


ISO VIEW OF GABLE ROOF ENCLOSURE

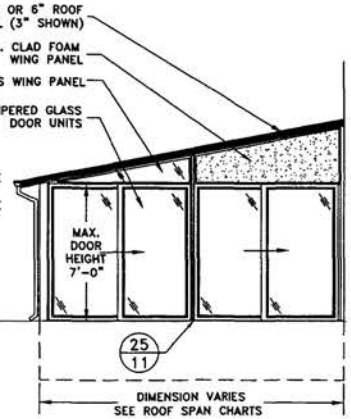
NOTE:
BUILDING CODE REQUIREMENTS FOR WIND AND/OR SNOW LOADING CAN REDUCE MAXIMUM DIMENSIONS OF DOOR & WINDOW UNITS & OVERALL ENCLOSURE DIMENSIONS. CONSULT P.E.I. ENGINEERING FOR LIMITATIONS.



A/2 A – WALL ELEVATION
AAS SUNROOM ENCLOSURE



B/2 B – WALL ELEVATION
AAS SUNROOM ENCLOSURE



C/2 C – WALL ELEVATION
AAS SUNROOM ENCLOSURE

SUNROOM ISOMETRIC

DISTRICT OF COLUMBIA ★ REGISTERED ★ PROFESSIONAL ENGINEER

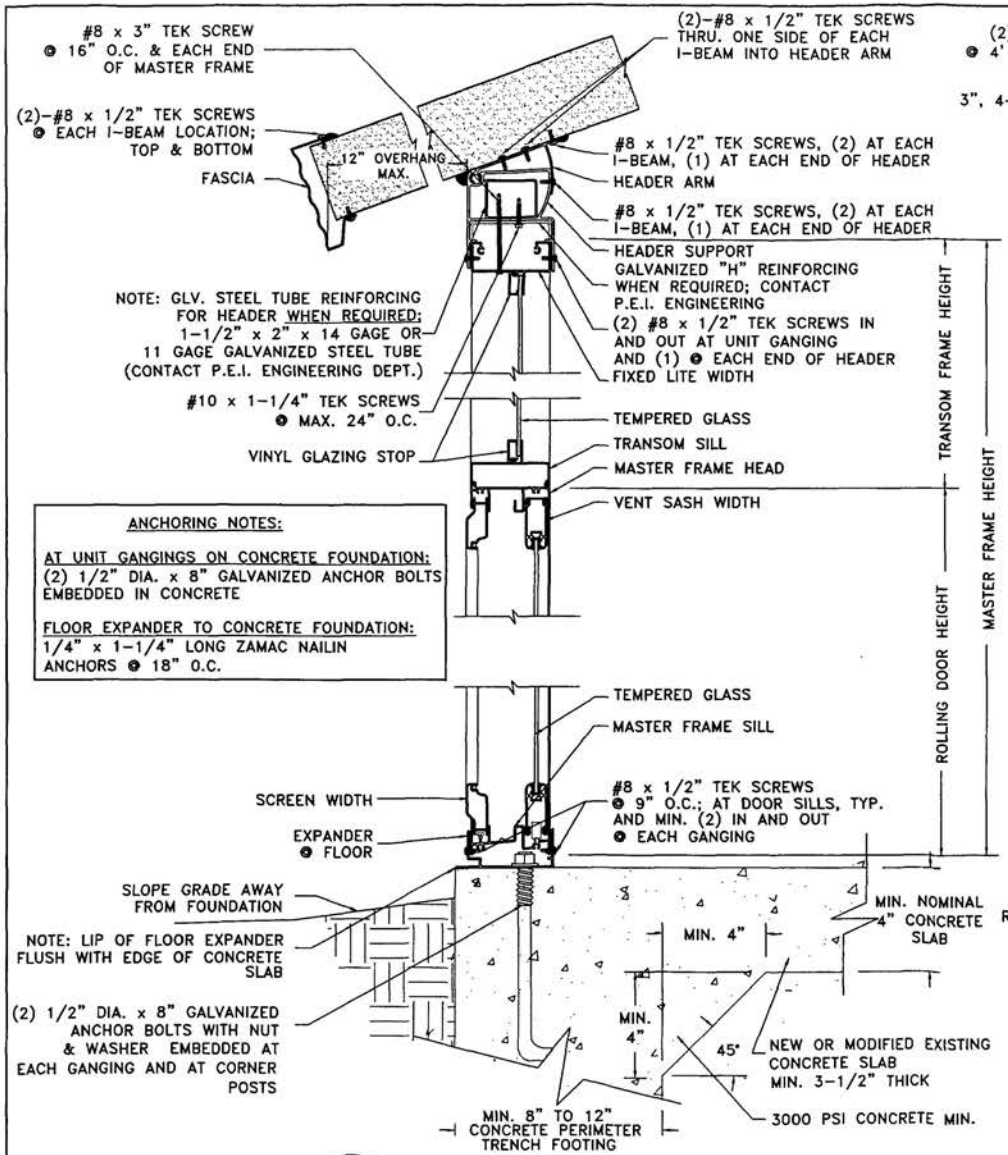
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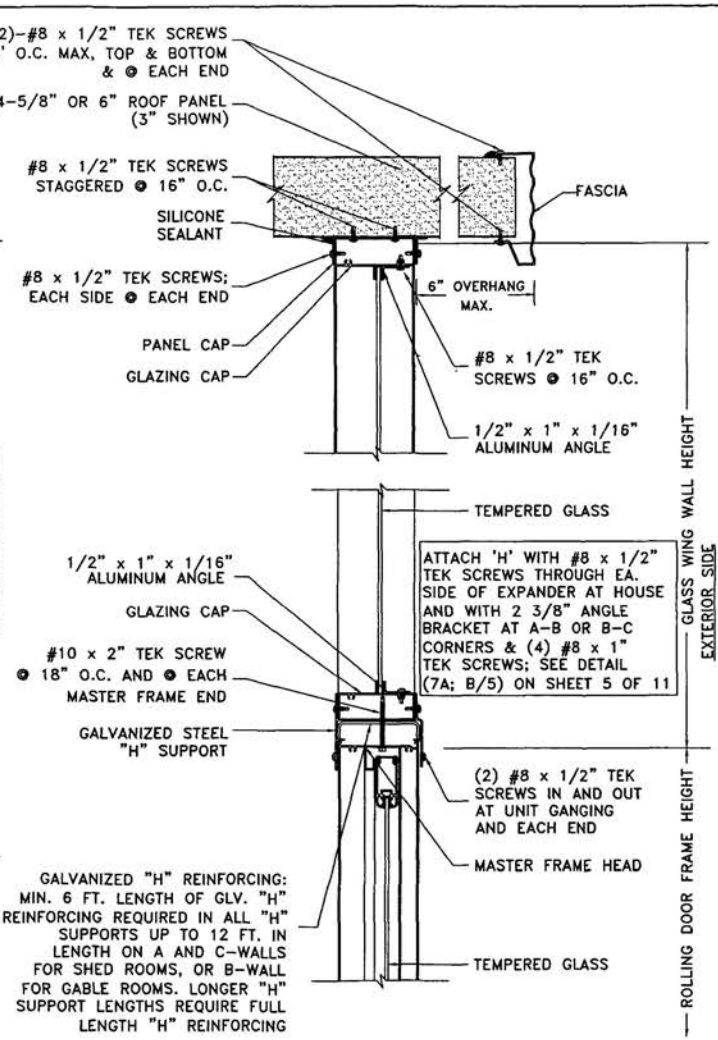
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STANDARD AAS DETAILS



SEC3 / 4 TRANSOM OVER SLIDING GLASS DOOR ON CONCRETE SLAB



SEC4 / 4 GLASS WING OVER SLIDING GLASS DOOR

SUNROOM ISOMETRIC

STATE OF COLUMBIA ★ REGISTERED PROFESSIONAL ENGINEER ★ 10035 ★ CHRISTIAN A. RAMEY

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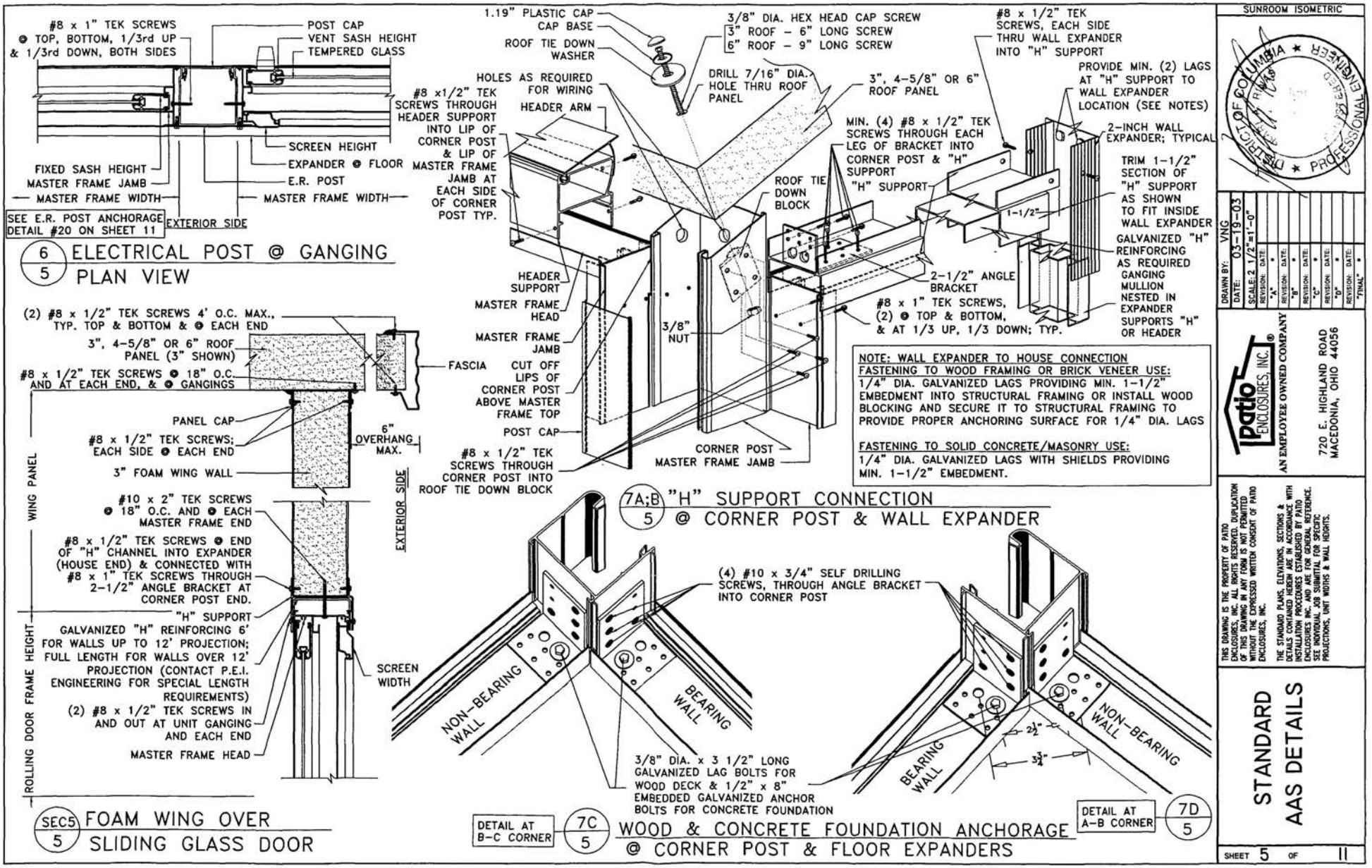
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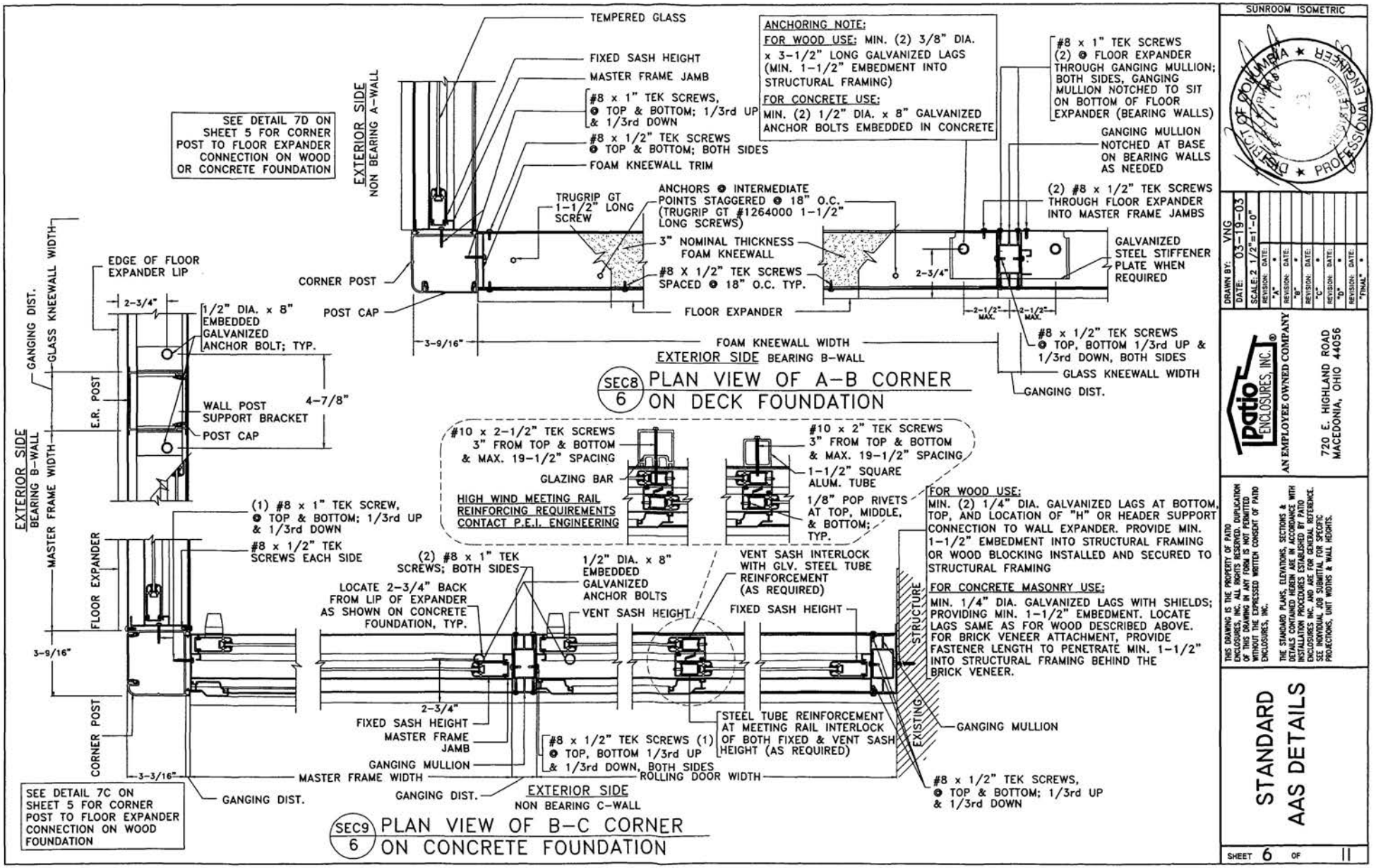
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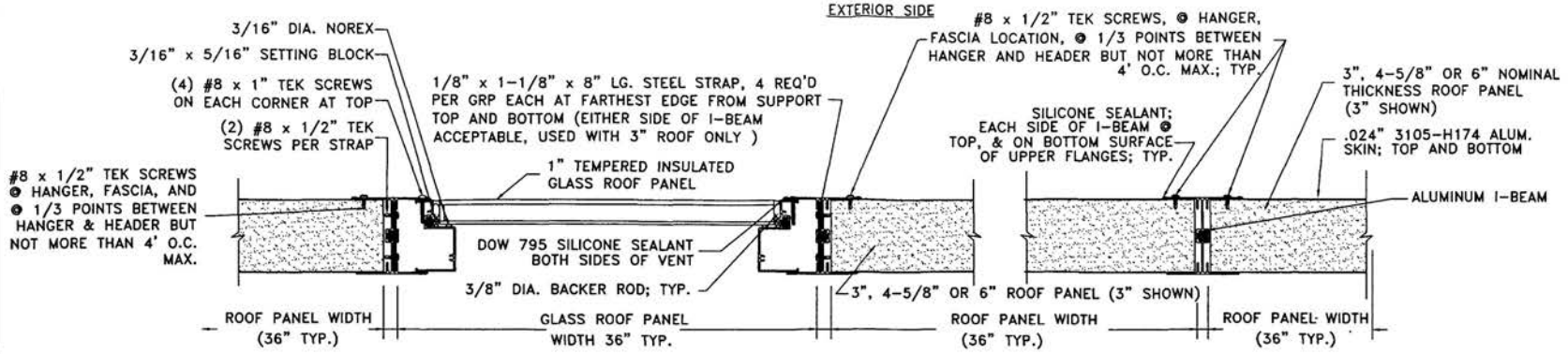
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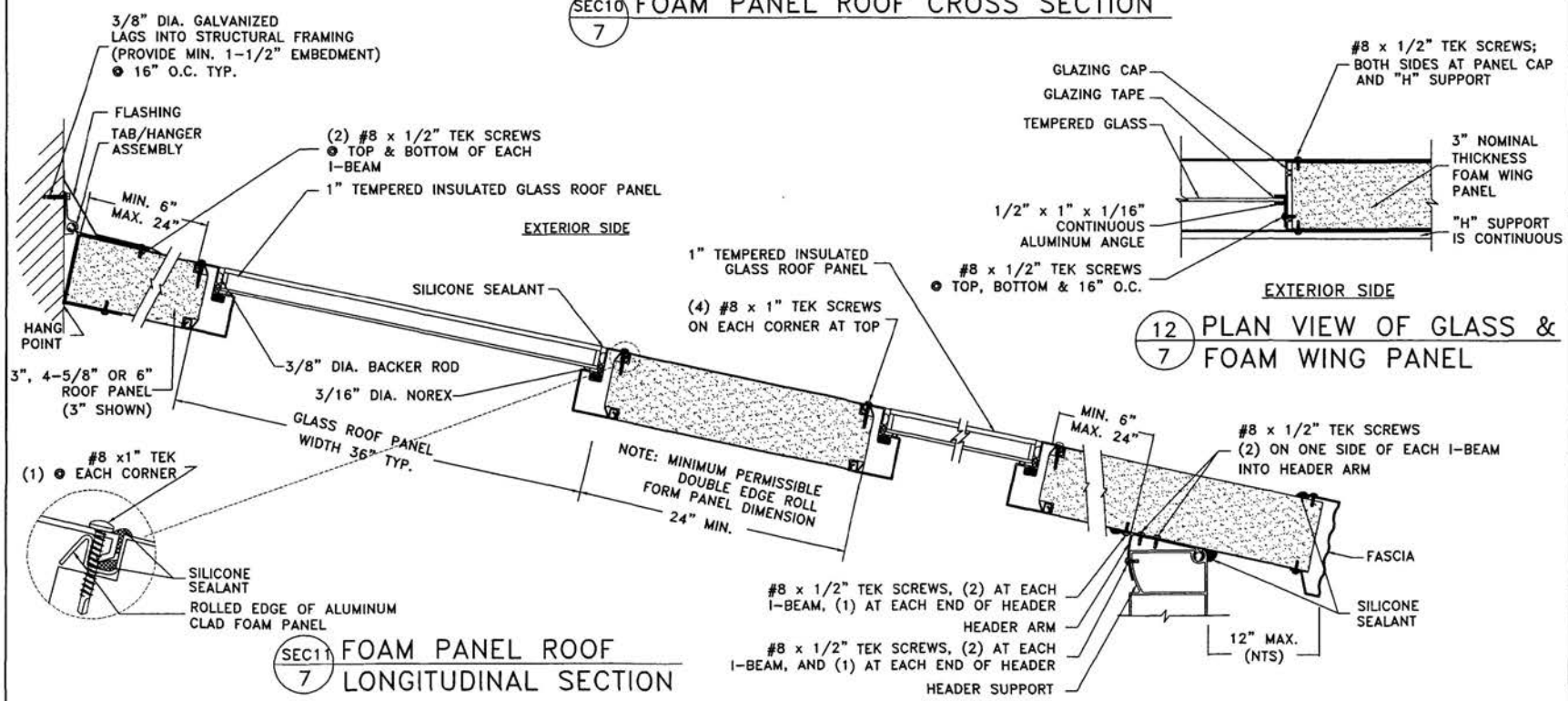
STANDARD AAS DETAILS


#8 x 1" TEK SCREWS @ TOP, BOTTOM, 1/3rd UP & 1/3rd DOWN, BOTH SIDES
POST CAP
VENT SASH HEIGHT
TEMPERED GLASS
SCREEN HEIGHT
EXPANDER @ FLOOR
E.R. POST
FIXED SASH HEIGHT
MASTER FRAME JAMB
MASTER FRAME WIDTH
MASTER FRAME WIDTH
SEE E.R. POST ANCHORAGE DETAIL #20 ON SHEET 11
EXTERIOR SIDE
6/5 ELECTRICAL POST @ GANGING PLAN VIEW
1.19" PLASTIC CAP
CAP BASE
ROOF TIE DOWN WASHER
3/8" DIA. HEX HEAD CAP SCREW
3" ROOF – 6" LONG SCREW
6" ROOF – 9" LONG SCREW
DRILL 7/16" DIA. HOLE THRU ROOF PANEL
3", 4-5/8" OR 6" ROOF PANEL
#8 x 1/2" TEK SCREWS, EACH SIDE THRU WALL EXPANDER INTO "H" SUPPORT
PROVIDE MIN. (2) LAGS AT "H" SUPPORT TO WALL EXPANDER LOCATION (SEE NOTES)
2-INCH WALL EXPANDER; TYPICAL
HOLES AS REQUIRED FOR WIRING
HEADER ARM
#8 x1/2" TEK SCREWS THROUGH HEADER SUPPORT INTO LIP OF CORNER POST & LIP OF MASTER FRAME JAMB AT EACH SIDE OF CORNER POST TYP.
MIN. (4) #8 x 1/2" TEK SCREWS THROUGH EACH LEG OF BRACKET INTO CORNER POST & "H" SUPPORT
"H" SUPPORT
ROOF TIE DOWN BLOCK
TRIM 1-1/2" SECTION OF "H" SUPPORT AS SHOWN TO FIT INSIDE WALL EXPANDER
1-1/2"
GALVANIZED "H" REINFORCING AS REQUIRED GANGING MULLION NESTED IN EXPANDER SUPPORTS "H" OR HEADER
HEADER SUPPORT
MASTER FRAME HEAD
MASTER FRAME JAMB
3/8" NUT
2-1/2" ANGLE BRACKET
#8 x 1" TEK SCREWS, (2) @ TOP & BOTTOM, & AT 1/3 UP, 1/3 DOWN; TYP.
CUT OFF LIPS OF CORNER POST ABOVE MASTER FRAME TOP
POST CAP
#8 x 1/2" TEK SCREWS THROUGH CORNER POST INTO ROOF TIE DOWN BLOCK
CORNER POST MASTER FRAME JAMB
NOTE: WALL EXPANDER TO HOUSE CONNECTION
FASTENING TO WOOD FRAMING OR BRICK VENEER USE:
1/4" DIA. GALVANIZED LAGS PROVIDING MIN. 1-1/2" EMBEDMENT INTO STRUCTURAL FRAMING OR INSTALL WOOD BLOCKING AND SECURE IT TO STRUCTURAL FRAMING TO PROVIDE PROPER ANCHORING SURFACE FOR 1/4" DIA. LAGS
FASTENING TO SOLID CONCRETE/MASONRY USE:
1/4" DIA. GALVANIZED LAGS WITH SHIELDS PROVIDING MIN. 1-1/2" EMBEDMENT.
(2) #8 x 1/2" TEK SCREWS 4' O.C. MAX., TYP. TOP & BOTTOM & @ EACH END
3", 4-5/8" OR 6" ROOF PANEL (3" SHOWN)
#8 x 1/2" TEK SCREWS @ 18" O.C. AND AT EACH END, & @ GANGINGS
FASCIA
PANEL CAP
#8 x 1/2" TEK SCREWS; EACH SIDE @ EACH END
6" OVERHANG MAX.
3" FOAM WING WALL
WING PANEL
#10 x 2" TEK SCREWS @ 18" O.C. AND @ EACH MASTER FRAME END
#8 x 1/2" TEK SCREWS @ END OF "H" CHANNEL INTO EXPANDER (HOUSE END) & CONNECTED WITH #8 x 1" TEK SCREWS THROUGH 2-1/2" ANGLE BRACKET AT CORNER POST END.
"H" SUPPORT
GALVANIZED "H" REINFORCING 6' FOR WALLS UP TO 12' PROJECTION; FULL LENGTH FOR WALLS OVER 12' PROJECTION (CONTACT P.E.I. ENGINEERING FOR SPECIAL LENGTH REQUIREMENTS)
(2) #8 x 1/2" TEK SCREWS IN AND OUT AT UNIT GANGING AND EACH END
MASTER FRAME HEAD
ROLLING DOOR FRAME HEIGHT
SCREEN WIDTH
EXTERIOR SIDE
SEC5/5 FOAM WING OVER SLIDING GLASS DOOR
7A;B/5 "H" SUPPORT CONNECTION @ CORNER POST & WALL EXPANDER
(4) #10 x 3/4" SELF DRILLING SCREWS, THROUGH ANGLE BRACKET INTO CORNER POST
NON-BEARING WALL
BEARING WALL
3/8" DIA. x 3 1/2" LONG GALVANIZED LAG BOLTS FOR WOOD DECK & 1/2" x 8" EMBEDDED GALVANIZED ANCHOR BOLTS FOR CONCRETE FOUNDATION
DETAIL AT B-C CORNER
7C/5 WOOD & CONCRETE FOUNDATION ANCHORAGE @ CORNER POST & FLOOR EXPANDERS
DETAIL AT A-B CORNER
7D/5
2½"
3¾"
NON-BEARING WALL
BEARING WALL
SUNROOM ISOMETRIC
DRAWN BY: VNG
DATE: 03-19-03
SCALE: 2 1/2"=1'-0"
REVISION: DATE:
"A" "
REVISION: DATE:
"B" "
REVISION: DATE:
"C" "
REVISION: DATE:
"D" "
REVISION: DATE:
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STANDARD AAS DETAILS
SHEET 5 OF 11


SEE DETAIL 7D ON SHEET 5 FOR CORNER POST TO FLOOR EXPANDER CONNECTION ON WOOD OR CONCRETE FOUNDATION
EXTERIOR SIDE
NON BEARING A-WALL
TEMPERED GLASS
FIXED SASH HEIGHT
MASTER FRAME JAMB
#8 x 1" TEK SCREWS, @ TOP & BOTTOM; 1/3rd UP & 1/3rd DOWN
#8 x 1/2" TEK SCREWS @ TOP & BOTTOM; BOTH SIDES
FOAM KNEEWALL TRIM
ANCHORING NOTE:
FOR WOOD USE: MIN. (2) 3/8" DIA. x 3-1/2" LONG GALVANIZED LAGS (MIN. 1-1/2" EMBEDMENT INTO STRUCTURAL FRAMING)
FOR CONCRETE USE:
MIN. (2) 1/2" DIA. x 8" GALVANIZED ANCHOR BOLTS EMBEDDED IN CONCRETE
#8 x 1" TEK SCREWS (2) @ FLOOR EXPANDER THROUGH GANGING MULLION; BOTH SIDES, GANGING MULLION NOTCHED TO SIT ON BOTTOM OF FLOOR EXPANDER (BEARING WALLS)
GANGING MULLION NOTCHED AT BASE ON BEARING WALLS AS NEEDED
TRUGRIP GT 1-1/2" LONG SCREW
ANCHORS @ INTERMEDIATE POINTS STAGGERED @ 18" O.C. (TRUGRIP GT #1264000 1-1/2" LONG SCREWS)
(2) #8 x 1/2" TEK SCREWS THROUGH FLOOR EXPANDER INTO MASTER FRAME JAMBS
3" NOMINAL THICKNESS FOAM KNEEWALL
#8 X 1/2" TEK SCREWS SPACED @ 18" O.C. TYP.
GALVANIZED STEEL STIFFENER PLATE WHEN REQUIRED
CORNER POST
POST CAP
FLOOR EXPANDER
2-3/4"
2-1/2" MAX.
2-1/2" MAX.
3-9/16"
FOAM KNEEWALL WIDTH
#8 x 1/2" TEK SCREWS @ TOP, BOTTOM 1/3rd UP & 1/3rd DOWN, BOTH SIDES
GLASS KNEEWALL WIDTH
GANGING DIST.
EXTERIOR SIDE BEARING B-WALL
SEC8 6 PLAN VIEW OF A-B CORNER ON DECK FOUNDATION
GANGING DIST.
GLASS KNEEWALL WIDTH
EDGE OF FLOOR EXPANDER LIP
2-3/4"
1/2" DIA. x 8" EMBEDDED GALVANIZED ANCHOR BOLT; TYP.
E.R. POST
4-7/8"
WALL POST SUPPORT BRACKET
POST CAP
EXTERIOR SIDE
BEARING B-WALL
MASTER FRAME WIDTH
#10 x 2-1/2" TEK SCREWS 3" FROM TOP & BOTTOM & MAX. 19-1/2" SPACING
GLAZING BAR
HIGH WIND MEETING RAIL REINFORCING REQUIREMENTS CONTACT P.E.I. ENGINEERING
#10 x 2" TEK SCREWS 3" FROM TOP & BOTTOM & MAX. 19-1/2" SPACING
1-1/2" SQUARE ALUM. TUBE
1/8" POP RIVETS AT TOP, MIDDLE, & BOTTOM; TYP.
(1) #8 x 1" TEK SCREW, @ TOP & BOTTOM; 1/3rd UP & 1/3rd DOWN
#8 x 1/2" TEK SCREWS EACH SIDE
FLOOR EXPANDER
(2) #8 x 1" TEK SCREWS; BOTH SIDES
1/2" DIA. x 8" EMBEDDED GALVANIZED ANCHOR BOLTS
VENT SASH INTERLOCK WITH GLV. STEEL TUBE REINFORCEMENT (AS REQUIRED)
LOCATE 2-3/4" BACK FROM LIP OF EXPANDER AS SHOWN ON CONCRETE FOUNDATION, TYP.
VENT SASH HEIGHT
FIXED SASH HEIGHT
3-9/16"
2-3/4"
FIXED SASH HEIGHT
MASTER FRAME JAMB
GANGING MULLION
#8 x 1/2" TEK SCREWS (1) @ TOP, BOTTOM 1/3rd UP & 1/3rd DOWN, BOTH SIDES
STEEL TUBE REINFORCEMENT AT MEETING RAIL INTERLOCK OF BOTH FIXED & VENT SASH HEIGHT (AS REQUIRED)
EXISTING STRUCTURE
GANGING MULLION
CORNER POST
3-3/16"
MASTER FRAME WIDTH
ROLLING DOOR WIDTH
#8 x 1/2" TEK SCREWS, @ TOP & BOTTOM; 1/3rd UP & 1/3rd DOWN
GANGING DIST.
GANGING DIST.
EXTERIOR SIDE
NON BEARING C-WALL
SEE DETAIL 7C ON SHEET 5 FOR CORNER POST TO FLOOR EXPANDER CONNECTION ON WOOD FOUNDATION
SEC9 6 PLAN VIEW OF B-C CORNER ON CONCRETE FOUNDATION
FOR WOOD USE:
MIN. (2) 1/4" DIA. GALVANIZED LAGS AT BOTTOM, TOP, AND LOCATION OF "H" OR HEADER SUPPORT CONNECTION TO WALL EXPANDER. PROVIDE MIN. 1-1/2" EMBEDMENT INTO STRUCTURAL FRAMING OR WOOD BLOCKING INSTALLED AND SECURED TO STRUCTURAL FRAMING
FOR CONCRETE MASONRY USE:
MIN. 1/4" DIA. GALVANIZED LAGS WITH SHIELDS; PROVIDING MIN. 1-1/2" EMBEDMENT. LOCATE LAGS SAME AS FOR WOOD DESCRIBED ABOVE. FOR BRICK VENEER ATTACHMENT, PROVIDE FASTENER LENGTH TO PENETRATE MIN. 1-1/2" INTO STRUCTURAL FRAMING BEHIND THE BRICK VENEER.
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STATE OF OHIO REGISTERED PROFESSIONAL ENGINEER
STANDARD AAS DETAILS
SHEET 6 OF 11



SEC10 / 7 FOAM PANEL ROOF CROSS SECTION



SEC11 / 7 FOAM PANEL ROOF LONGITUDINAL SECTION

12 / 7 PLAN VIEW OF GLASS & FOAM WING PANEL

SUNROOM ISOMETRIC



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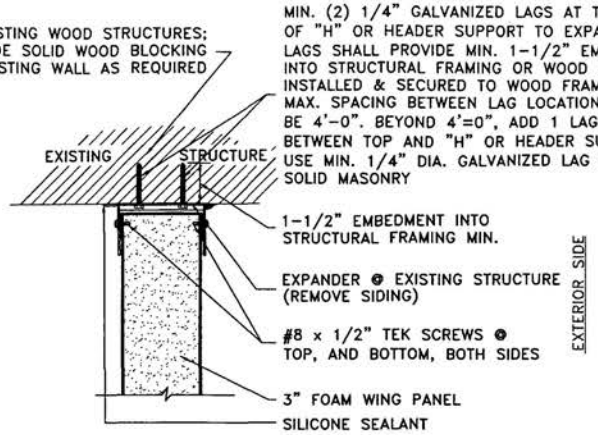
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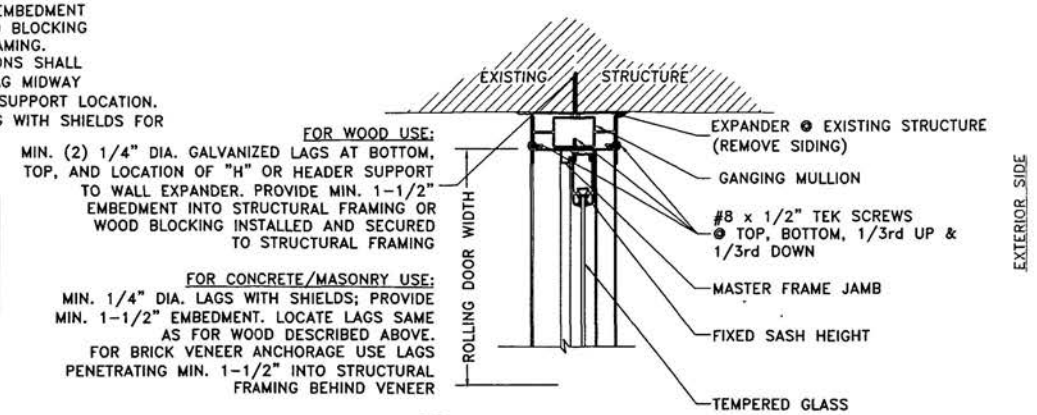
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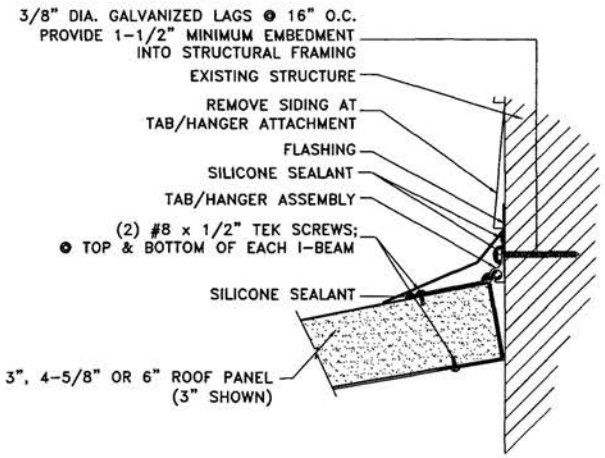
STANDARD AAS DETAILS



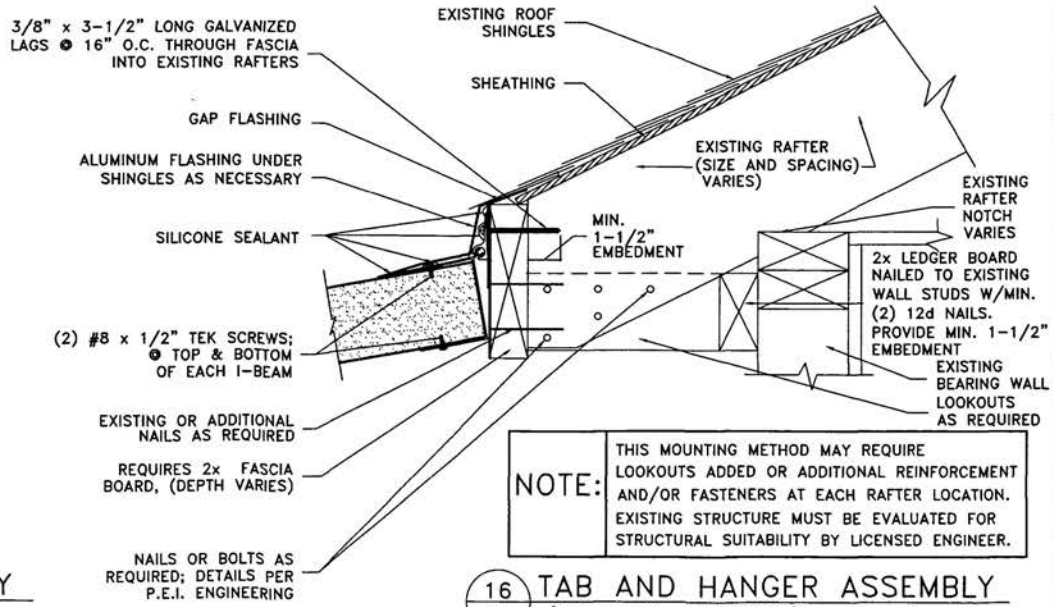
13/8 PLAN VIEW OF WING PANEL AT EXISTING STRUCTURE



14/8 PLAN VIEW OF ROLLING DOOR AT EXISTING STRUCTURE



15/8 TAB AND HANGER ASSEMBLY (WALL MOUNT)



NOTE: THIS MOUNTING METHOD MAY REQUIRE LOOKOUTS ADDED OR ADDITIONAL REINFORCEMENT AND/OR FASTENERS AT EACH RAFTER LOCATION. EXISTING STRUCTURE MUST BE EVALUATED FOR STRUCTURAL SUITABILITY BY LICENSED ENGINEER.

16/8 TAB AND HANGER ASSEMBLY (FASCIA MOUNT)

SUNROOM ISOMETRIC

DISTRICT OF COLUMBIA — MATTHEW A. RINAS — PROFESSIONAL ENGINEER

DRAWN BY: VNG
DATE: 03-19-03
SCALE: 2 1/2"=1'-0"

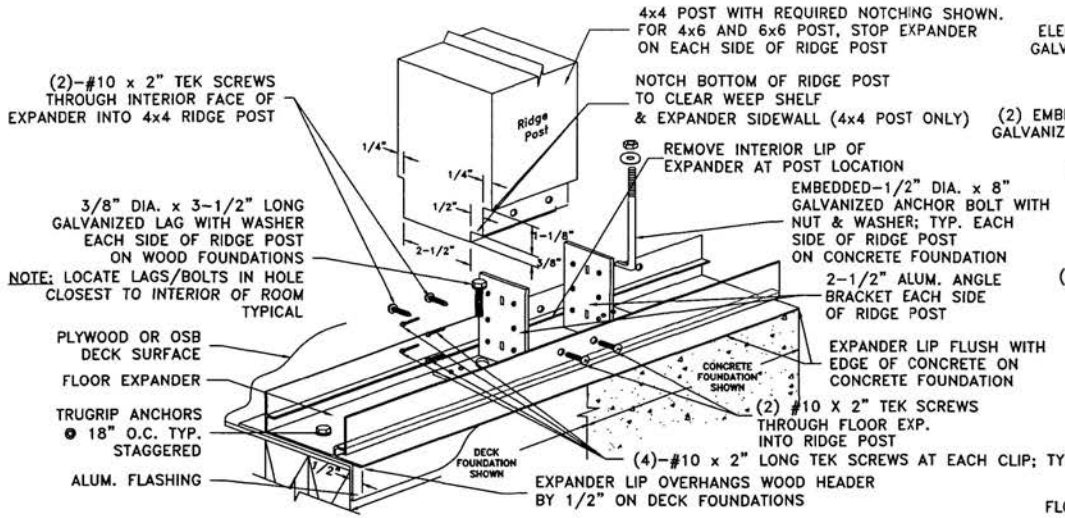
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"B"	"
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"D"	"
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AN EMPLOYEE OWNED COMPANY
720 E. HIGHLAND ROAD
MACEDONIA, OHIO 44056

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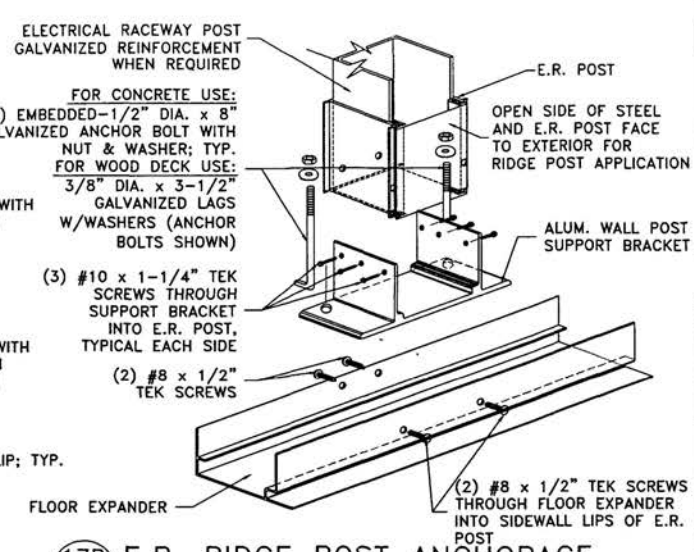
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STANDARD AAS DETAILS



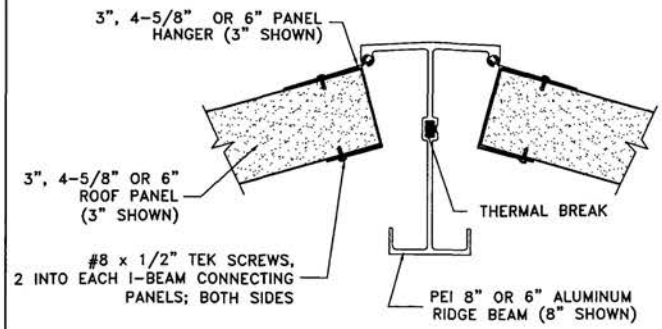
17A / 9 WOOD RIDGE POST ANCHORAGE AT FLOOR EXPANDER

(BOTH WOOD DECK & CONCRETE FOUNDATION SHOWN)

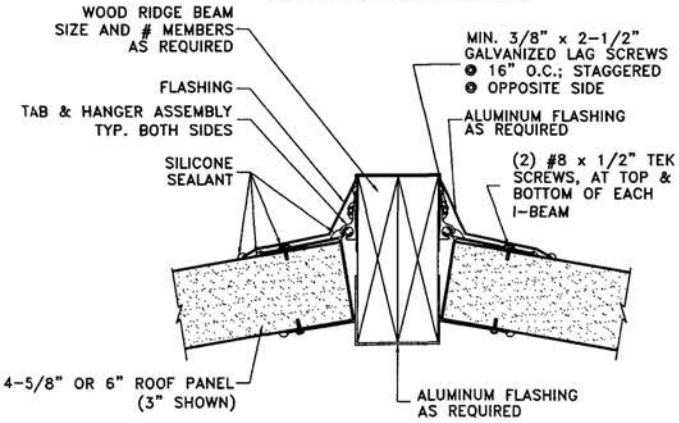


17B / 9 E.R. RIDGE POST ANCHORAGE AT FLOOR EXPANDER

(CONCRETE FOUNDATION SHOWN)



18A / 9 ALUMINUM RIDGE BEAM AND PANEL HANGER



18B / 9 WOOD RIDGE BEAM WITH TAB AND HANGER

SUNROOM ISOMETRIC

DISTRICT OF COLUMBIA REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: VNG
DATE: 03-19-03
SCALE: 2 1/2"=1'-0"

REVISION:	DATE:
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"D"	"
"FINAL"	"

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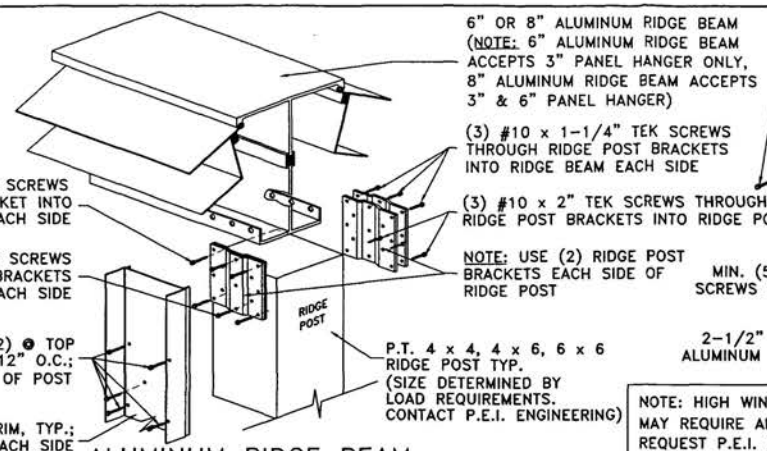
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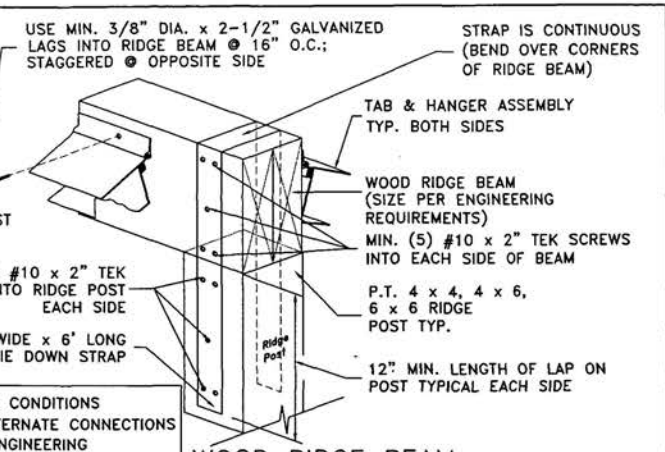
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STANDARD AAS DETAILS

SHEET 9 OF 11



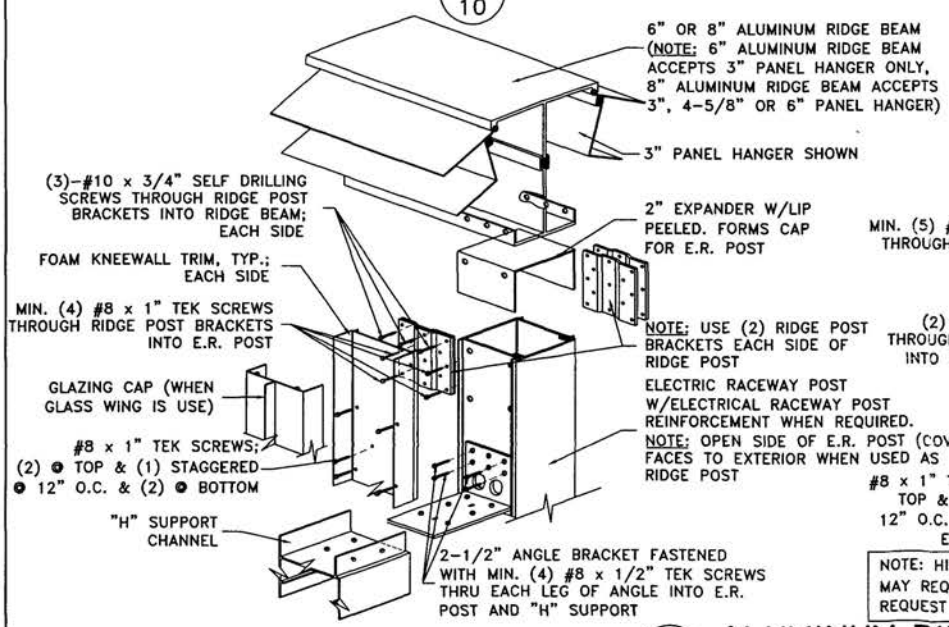
ALUMINUM RIDGE BEAM



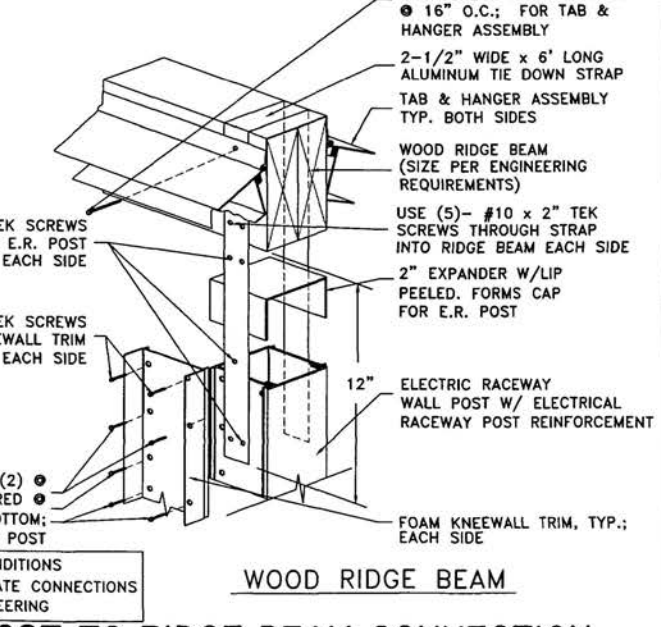
NOTE: HIGH WIND CONDITIONS MAY REQUIRE ALTERNATE CONNECTIONS REQUEST P.E.I. ENGINEERING

WOOD RIDGE BEAM

19A / 10 **WOOD RIDGE POST TO RIDGE BEAM CONNECTION**



ALUMINUM RIDGE BEAM



NOTE: HIGH WIND CONDITIONS MAY REQUIRE ALTERNATE CONNECTIONS REQUEST P.E.I. ENGINEERING

WOOD RIDGE BEAM

19B / 10 **ALUMINUM RIDGE POST TO RIDGE BEAM CONNECTION**

ALUMINUM RIDGE BEAM

SUNROOM ISOMETRIC

DISTRICT OF COLUMBIA — KARLA A. RINAS — 10646 — REGISTERED PROFESSIONAL ENGINEER — 10-03

DRAWN BY:	VNG
DATE:	03-19-03
SCALE:	2"=1'-0"
REVISION: DATE: "A"	"
REVISION: DATE: "B"	"
REVISION: DATE: "C"	"
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REVISION: DATE: "FINAL"	"

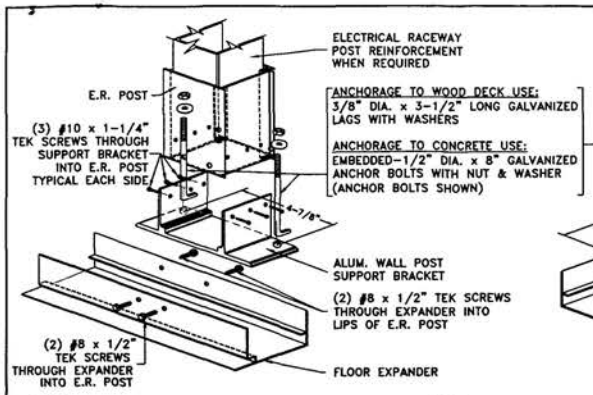
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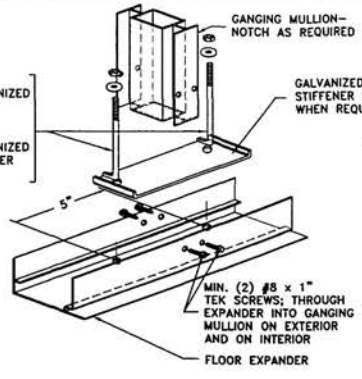
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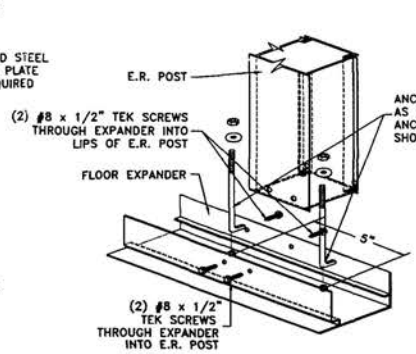
STANDARD AAS DETAILS



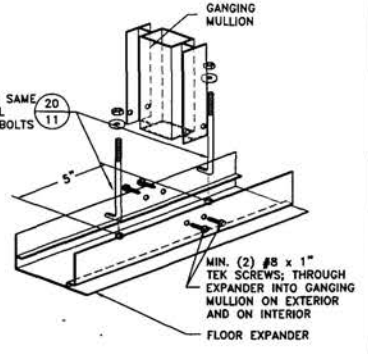
20/11 E.R. POST CONNECT. AT BEARING WALL



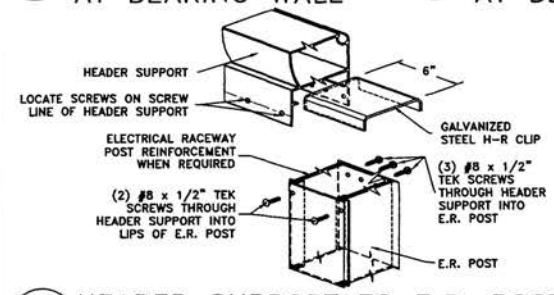
21/11 GANGING MULLION CONNECT. AT BEARING WALL



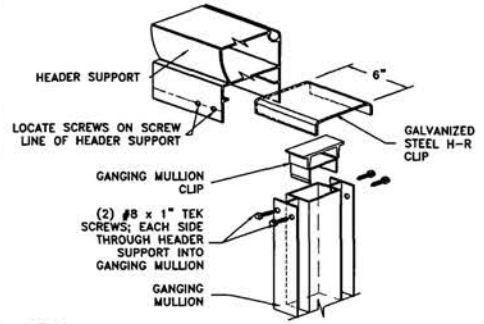
24/11 E.R POST CONNECT. NON BEARING WALL



25/11 GANGING MULL.CONNECT. NON BEARING WALL



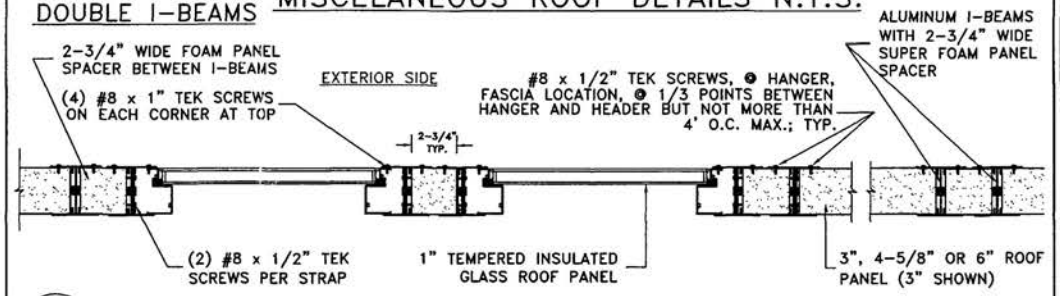
22/11 HEADER SUPPORT TO E.R. POST CONNECTION AT BEARING WALL



23/11 HEADER SUPPORT TO GANGING MULL. CONNECT. AT BEARING WALL

MISCELANEOUS ROOF DETAILS N.T.S.

DOUBLE I-BEAMS



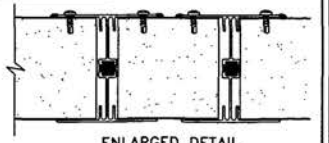
SEC10/7 SHOWN WITH DOUBLE I-BEAM 3", 4-5/8" OR 6" ROOF

HIGH WIND FASTENING

1/4" DIA, x 4" GLV. LAGS (3" FOAM ROOF)
3/8" DIA. x 6" GLV. LAGS (4-5/8" FOAM ROOF)
3/8" DIA. x 7" GLV. LAGS (6" FOAM ROOF)
(SPACING PER HIGH WIND REQUIREMENTS)
CONTACT P.E.I. ENGINEERING



P.E.I. FASCIA FOR 3", 4-5/8" AND 6" ROOF (3" SHOWN)



ENLARGED DETAIL

SEC11/7 AT HEADER SUPPORT

SUNROOM ISOMETRIC

DISTRICT OF COLUMBIA KARLA RIVAS REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: VNG
DATE: 03-19-03
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