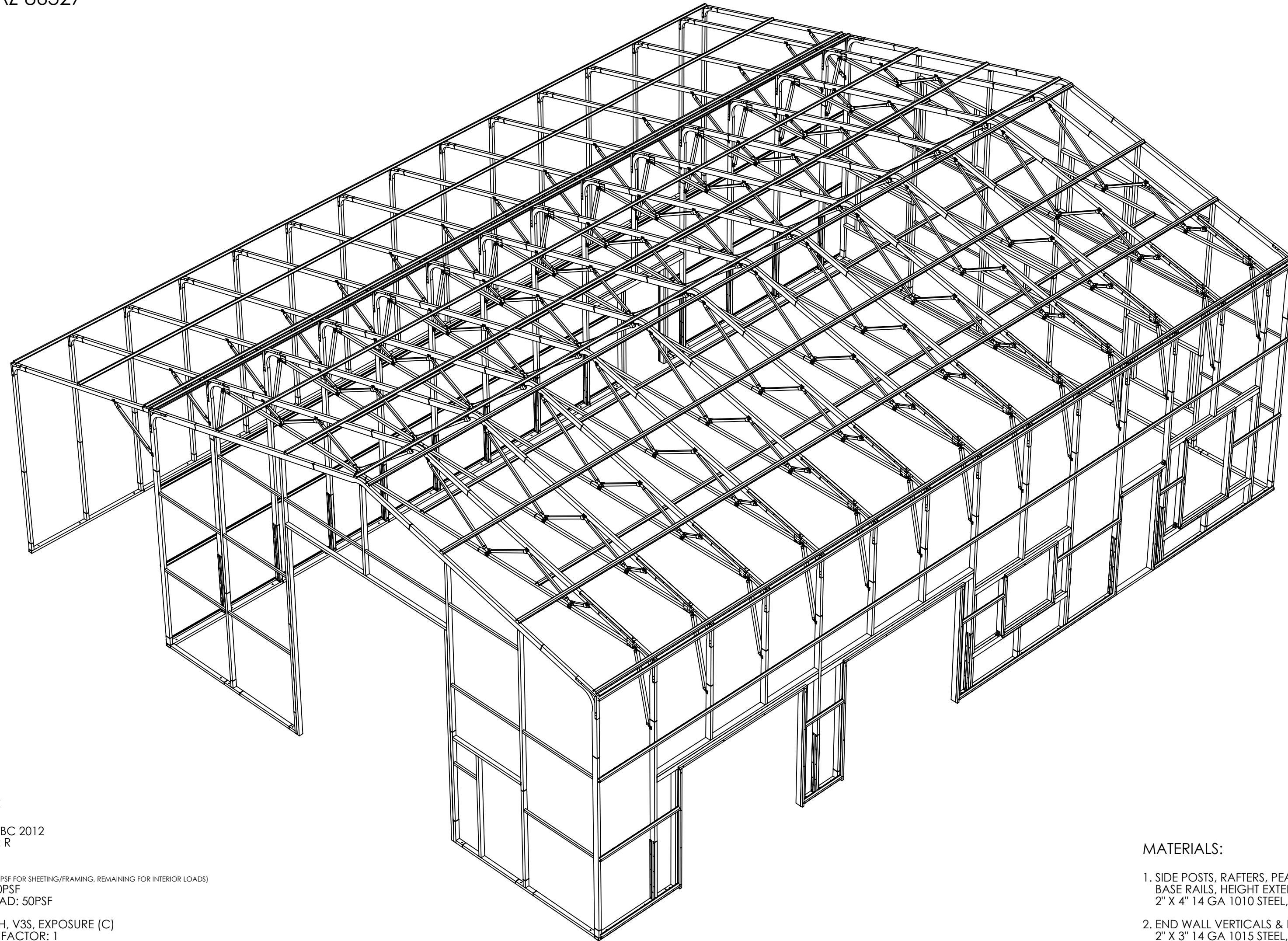


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 DEWEY, AZ 86327



DESIGN CRITERIA:

CODE COMPLIANCE: IBC 2012
 OCCUPANCY GROUP: R
 3:12 PITCH

1. DEAD LOAD: 5 PSF (2PSF FOR SHEETING/FRAMING, REMAINING FOR INTERIOR LOADS)
2. ROOF LIVE LOAD: 30PSF
 GROUND SNOW LOAD: 50PSF
3. WIND LOAD: 115MPH, V3S, EXPOSURE (C)
 WIND IMPORTANCE FACTOR: 1
4. SEISMIC CATEGORY: C
5. ON CENTER FRAME SPACING: 4'2"
 ROOF HAT CHANNEL SPACING: 67 5/16"
 LEAN-TO ROOF HAT CHANNEL SPACING: 70 5/8"
 SIDE HAT CHANNEL SPACING: 62-3/16"
 RAT TRACK HAT CHANNEL SPACING: 102 13/16"
6. SHEET METAL: 26GA R-PANEL, 80KSI, STEEL
 ALLOWABLE WIND PRESSURE LOAD ON 62 3/16" CENTERS: 40.57 PSF
 ALLOWABLE GRAVITY LOAD ON 67 5/16" CENTERS: 40.12 PSF
 PANELS ARE CLASS (A) FIRE RATED. EXTERIOR SHEETING NOT SHOWN.

MATERIALS:

1. SIDE POSTS, RAFTERS, PEAKS, DOOR HEADERS, DOOR JAMBS,
 BASE RAILS, HEIGHT EXTENSIONS:
 2" X 4" 14 GA 1010 STEEL, 50 KSI
2. END WALL VERTICALS & BASE RAILS, COLLAR TIE, LEAN-TO FRAMING:
 2" X 3" 14 GA 1015 STEEL, 50 KSI
3. WEB BRACES, GABLE END GIRTS, NAILER TUBES:
 1 1/2" X 1 1/2" 18 GA 1008 STEEL, 45 KSI
4. HAT CHANNEL (ROOF PURLINS, EAVE SIDE GIRTS, RAT TRACK):
 18 GA, 1010 STEEL, 50 KSI
5. BRACKETS:
 BK-40, 700-BK40: 18GA, 50 KSI STEEL
 BK-BPR-24: 16GA, 50 KSI STEEL
 BK-30, BK-31, BK-60, BK-61: 14GA, 50 KSI STEEL
 BK-10, 700-BK10, BK-20, BK-WEB-1.5SQ: 12GA, 50 KSI STEEL

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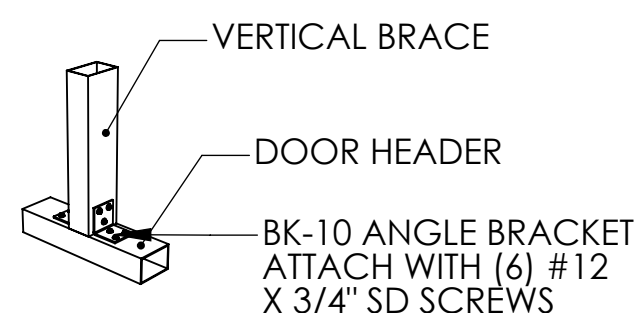
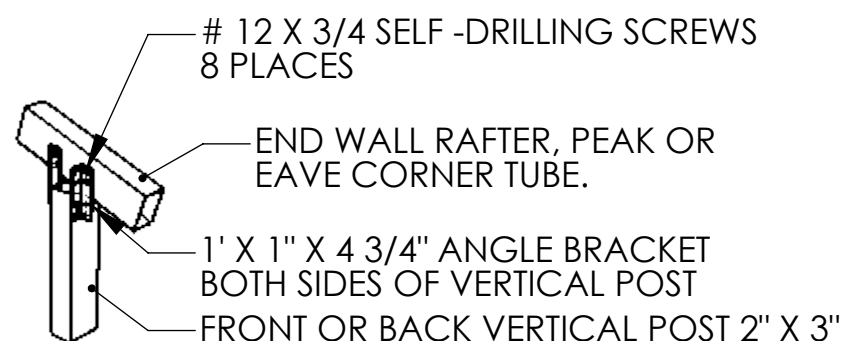
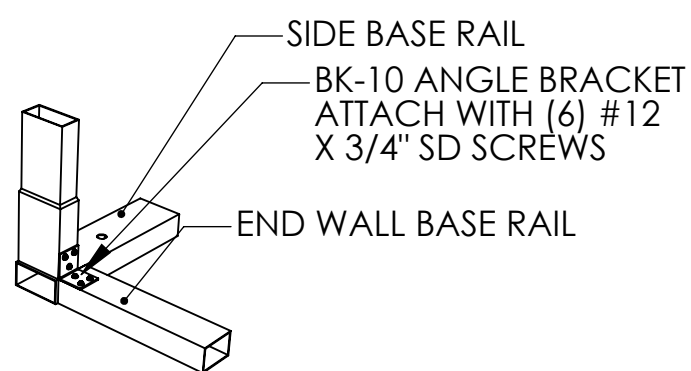
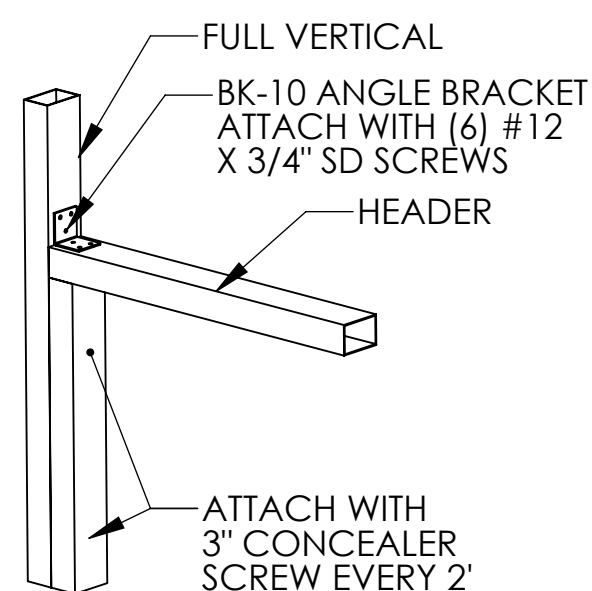
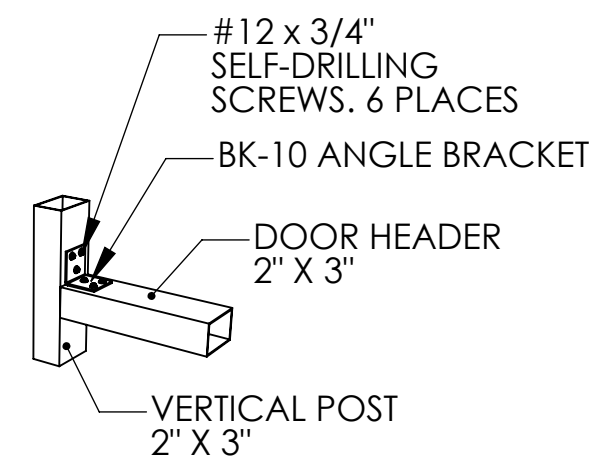
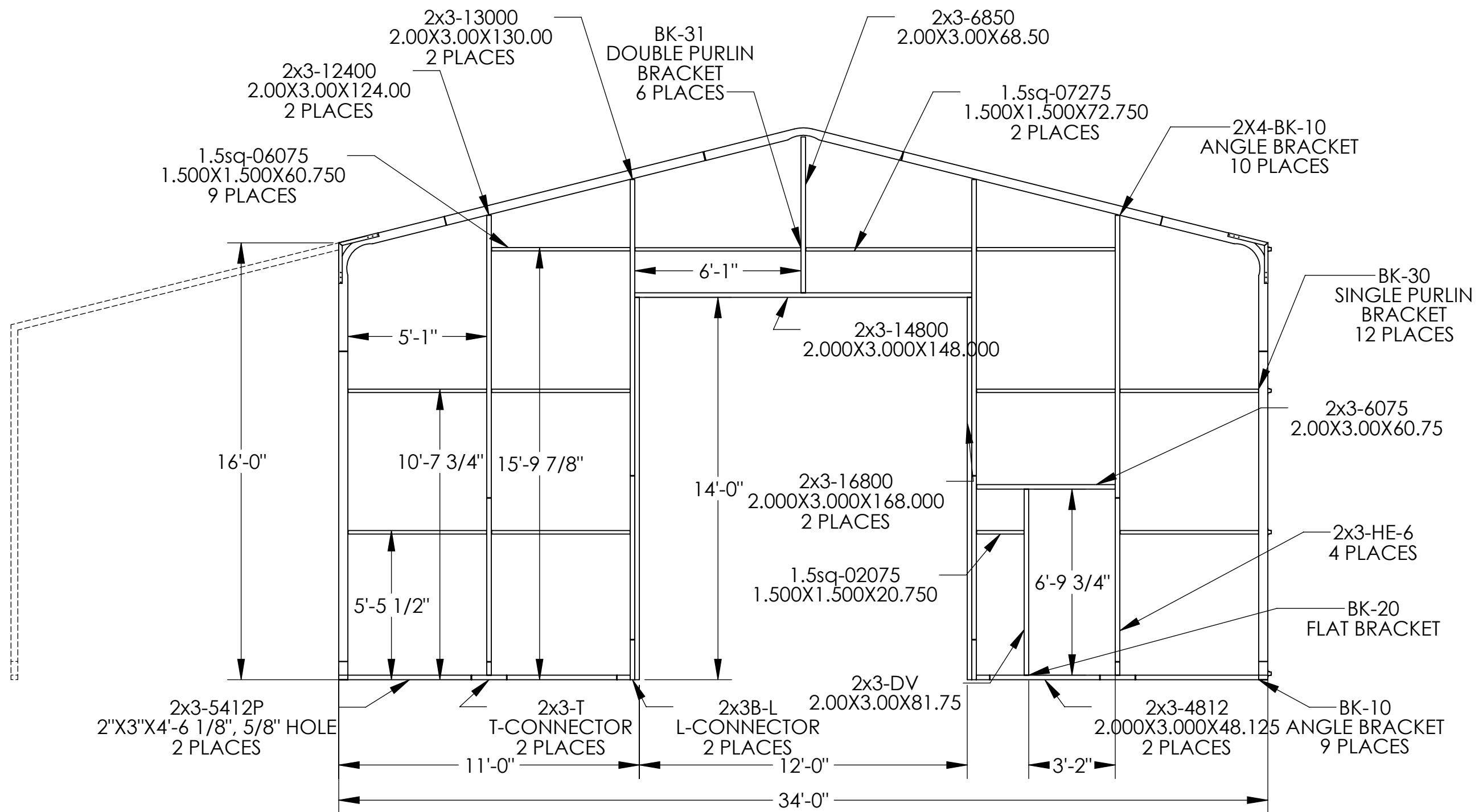
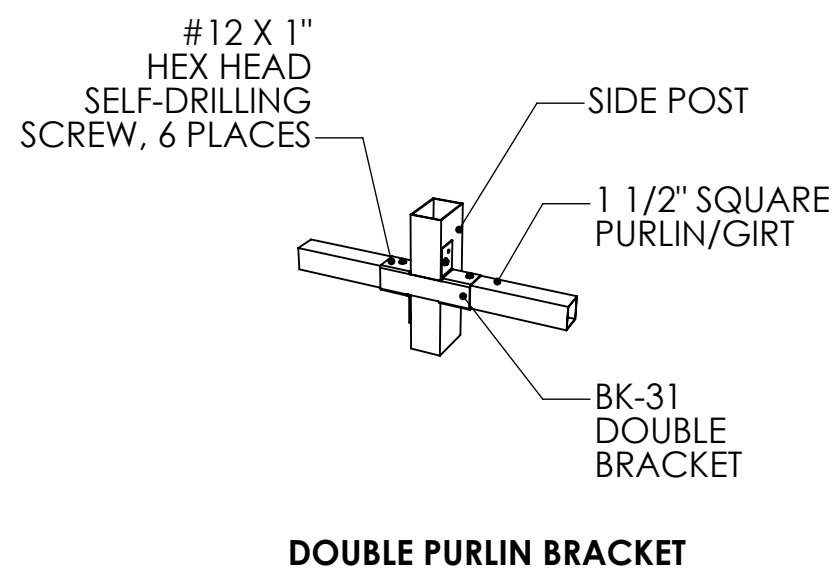
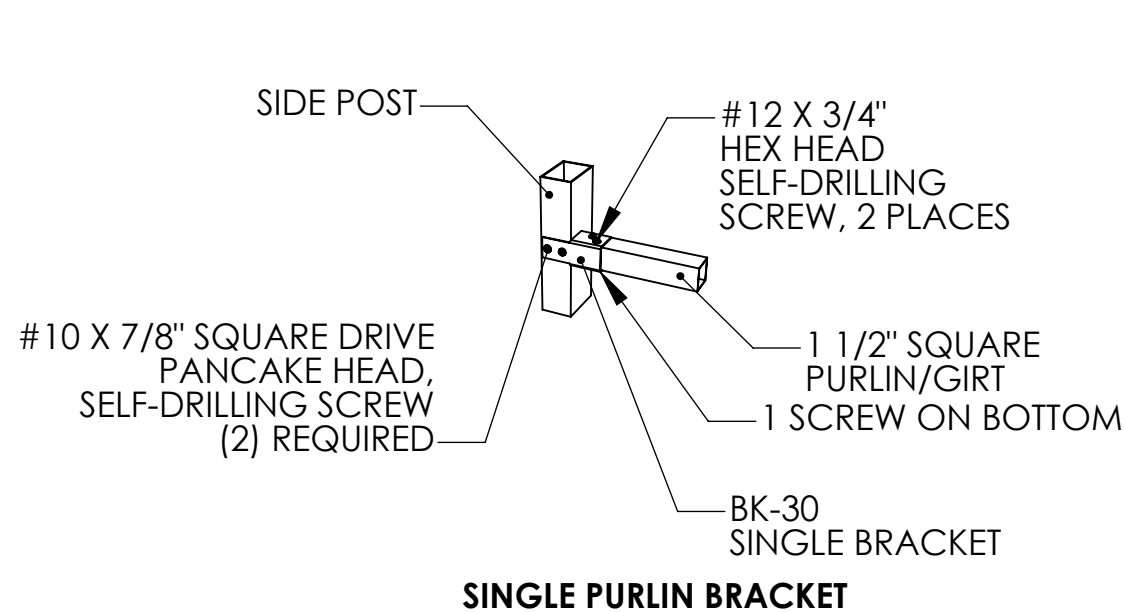
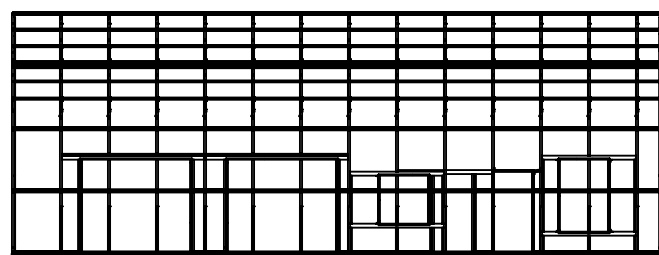
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| | |
|---|------------------------|
| PROJECT: VERSATUBE SUMMIT BUILDING | |
| TITLE: 34' X 54'2" X 16' SUMMIT, 12' ROOF ONLY LEAN-TO | |
| DWG NO: VXC34541604023GD7W3WD-12LTRO30KB_195827 5-8-18 | |
| DRAWN BY: A. STRICKER | DATE: 5/17/2018 |
| | PAGE 1 OF 9 |

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END WALL BASE RAIL TO SIDE BASE RAIL PIN

END WALL VERTICAL TO RAFTER

VERTICAL SUPPORT OVER GARAGE DOOR

GARAGE DOOR VERTICAL SUPPORT

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TITLE: 34' X 54'2" X 16' SUMMIT, 12' ROOF ONLY LEAN-TO

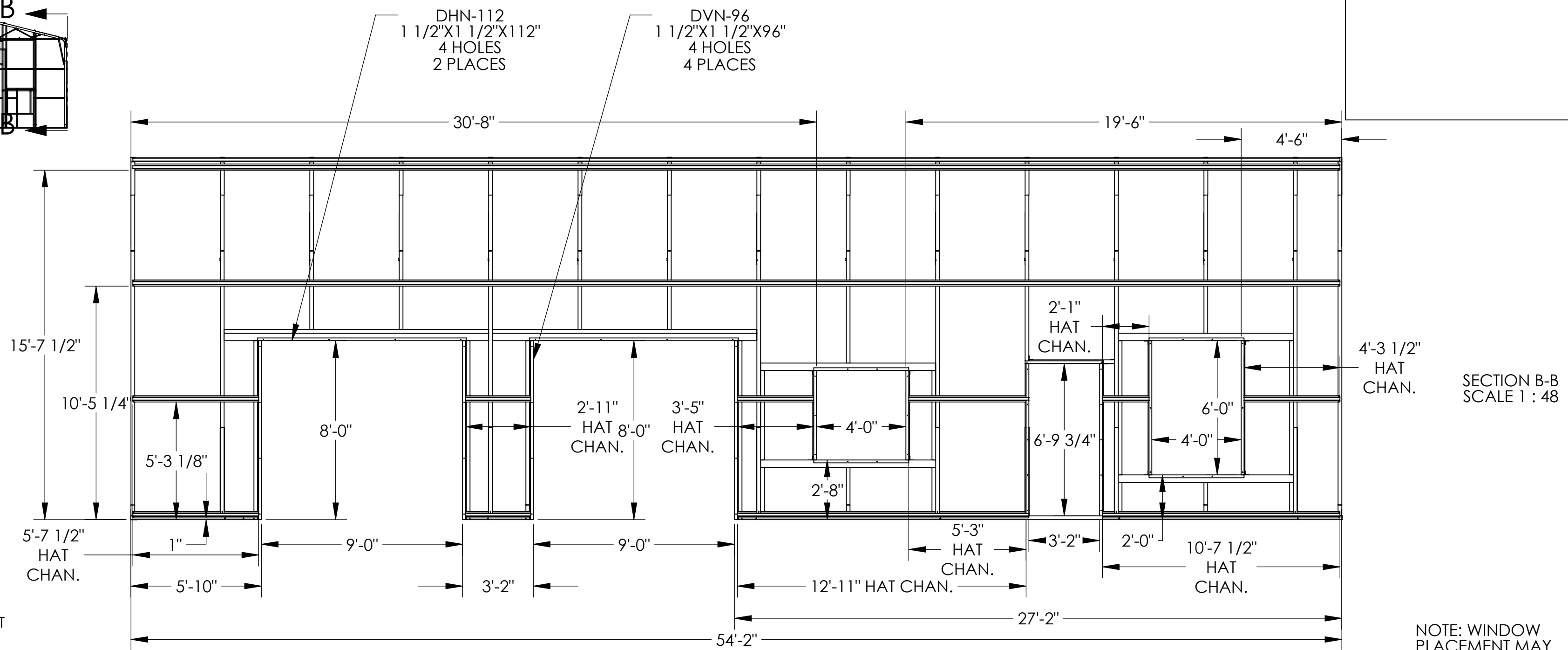
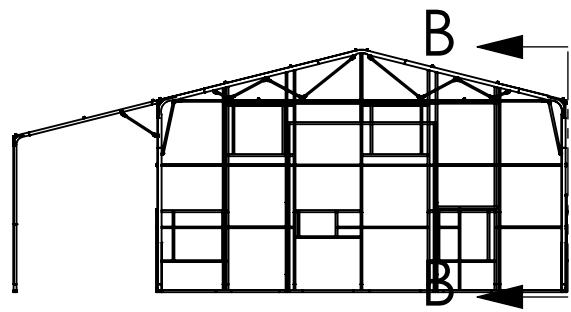
DWG NO: FRONT ELEVATION

DRAWN BY: A. STRICKER

DATE: 5/17/2018

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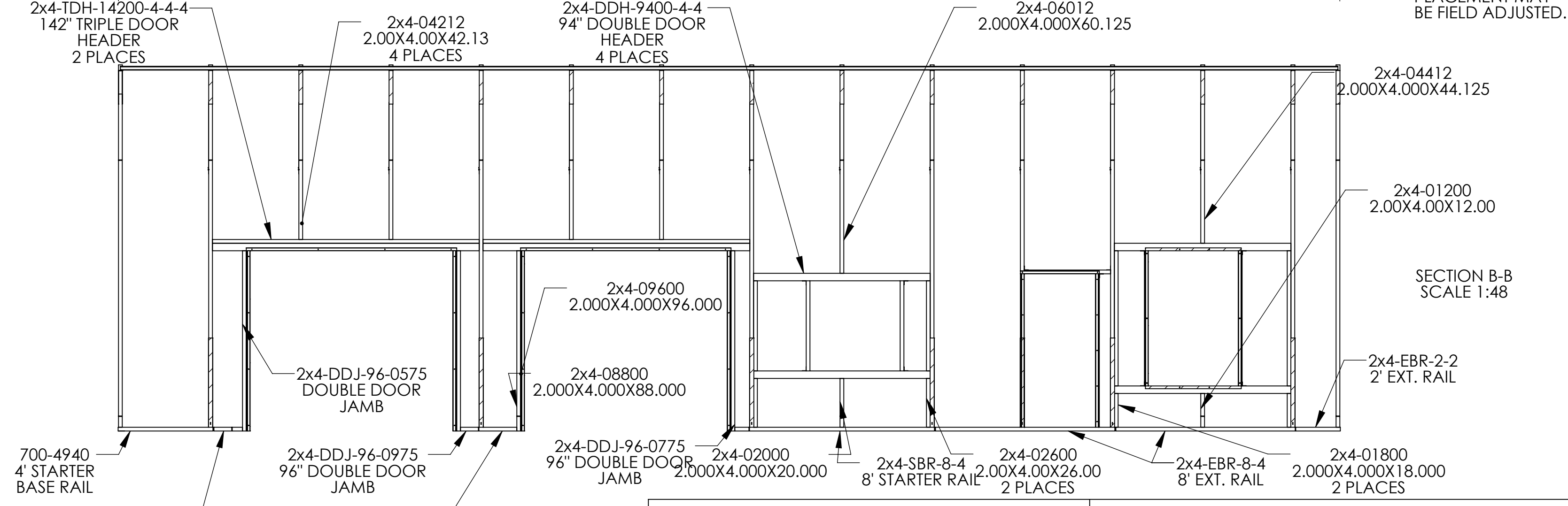


ALL VERTICAL WINDOW SUPPORT STUDS ARE CONNECTED TO THE ADJACENT FRAME WITH A 3" CONCEALER SCREW APPROX. EVERY 24". HORIZONTAL SILL AND HEADERS ARE CONNECTED WITH BK-10 ANGLE BRACKETS

FOR 4X4 WINDOW:
(2) 2x4-DDH-9400-4-4
(4) 2x4-WV-4 (2"X4"X48")
(2) WHN-4 (1.5"X1.5"X52")
(2) WVN-4 (1.5"X1.5"X48")
(8) BK-10
(10) CON-3

FOR 4X6 WINDOW:
(2) 2x4-DDH-9400-4-4
(4) 2x4-WV-6 (2"X4"X72")
(2) WHN-4 (1.5"X1.5"X52")
(2) WVN-6 (1.5"X1.5"X72")
(8) BK-10
(10) CON-3

FOR WALK DOOR:
(1) 2x4-DV (2"X4"X81 3/4")
(1) 2x4-WDH-4 (2"X4"X45 3/4")
(3) BK-10
(1) BK-20
(12) CON-3
(1) DHN (1.5"X1.5"X42")
(2) DVN (1.5"X1.5"X81 3/4")



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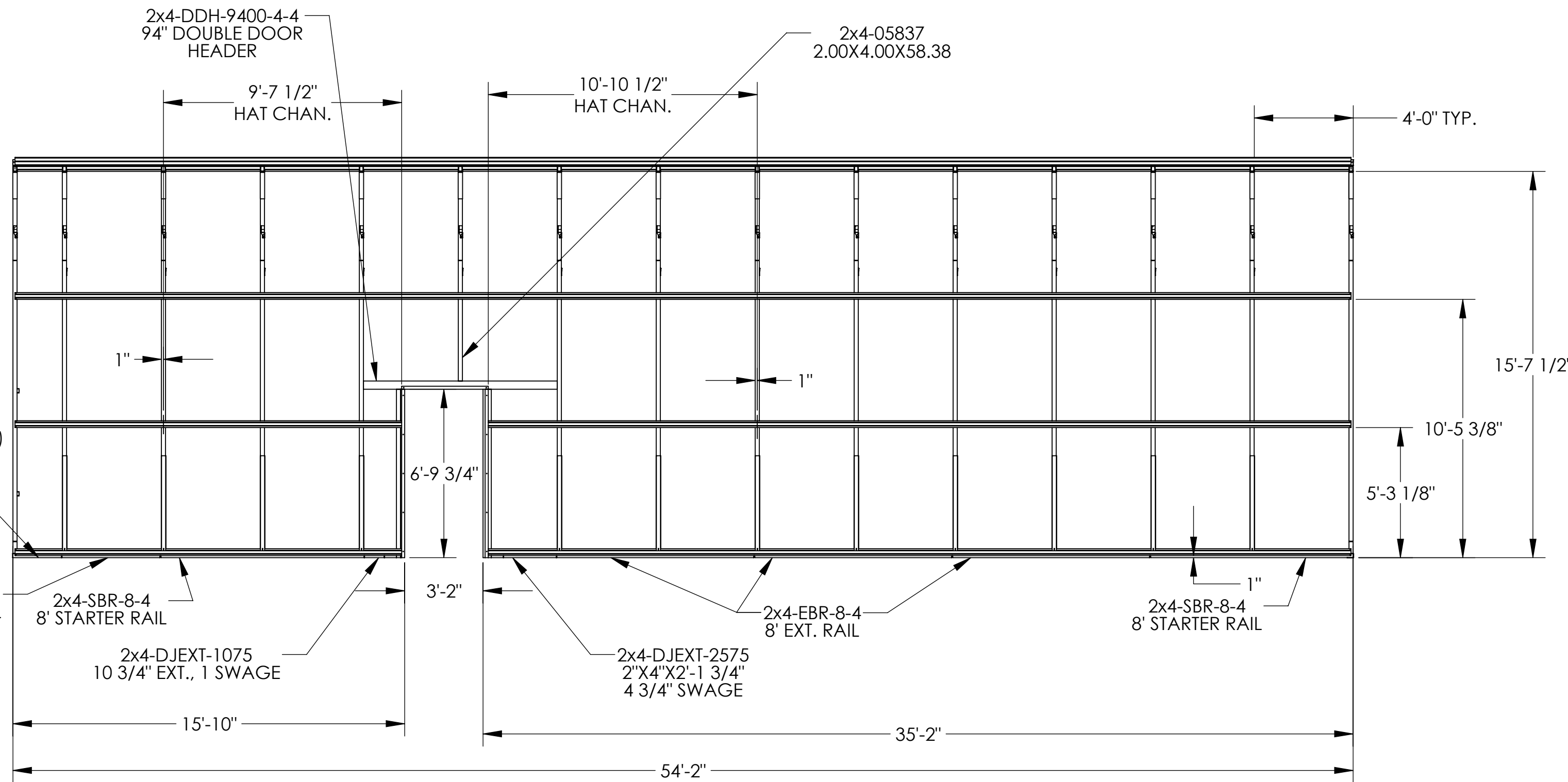
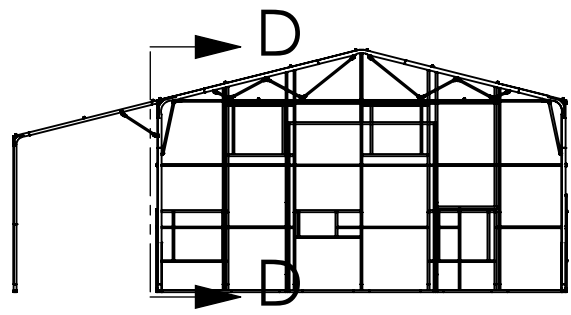
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| PROJECT: VERSATUBE SUMMIT BUILDING | |
| TITLE: 34' X 54'2" X 16' SUMMIT, 12' ROOF ONLY LEAN-TO | |
| DWG NO: RIGHT ELEVATION | |
| DRAWN BY: A. STRICKER | DATE: 5/17/2018 |
| PAGE 3 OF 9 | |

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FOR WALK DOOR:
 (2) 2X4-DDJ-8175-0575
 (1) 2X4-DDH-9400-4-4
 (6) BK-10
 (12) CON-3
 (1) DHN (1.5\"X1.5\"X42\")
 (2) DVN (1.5\"X1.5\"X81 3/4\")

SECTION D-D
 SCALE 1 : 48

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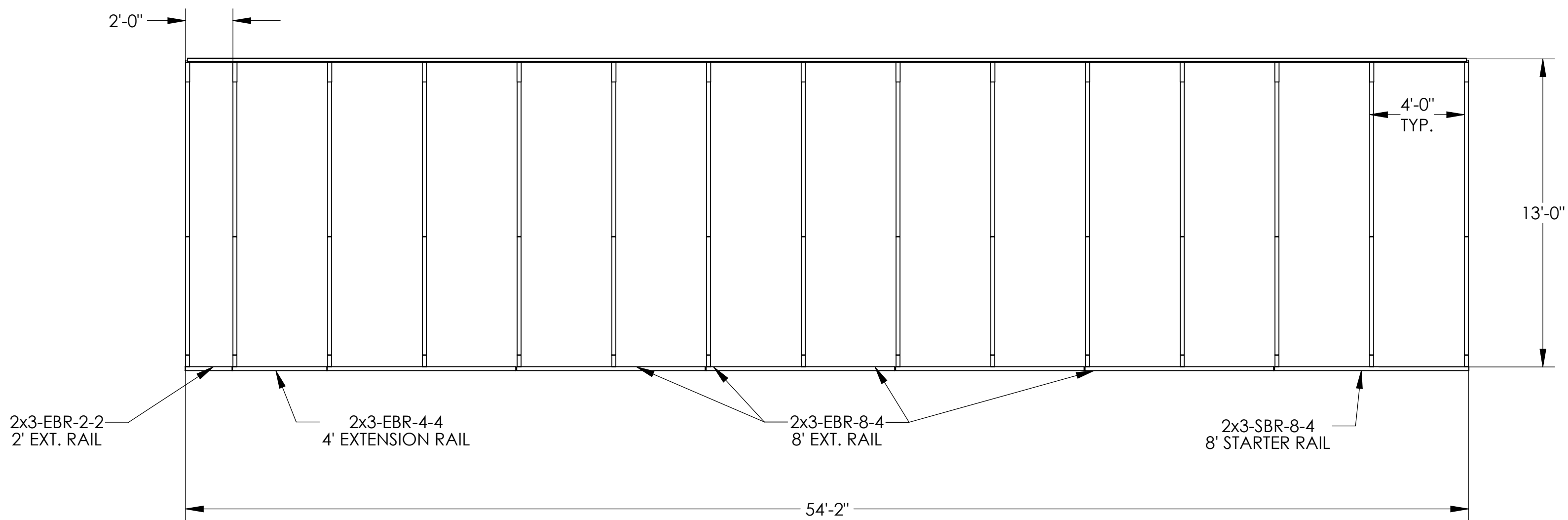
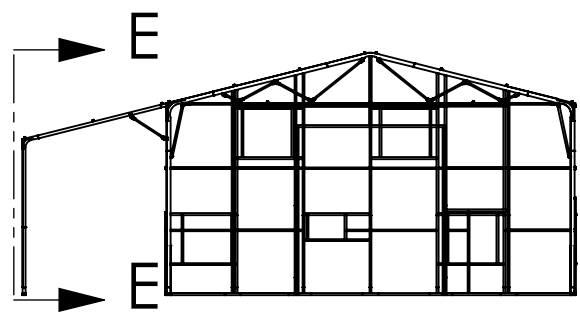
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| DRAWN BY: A. STRICKER | DATE: 5/17/2018 |
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SECTION E-E
 SCALE 1 : 48

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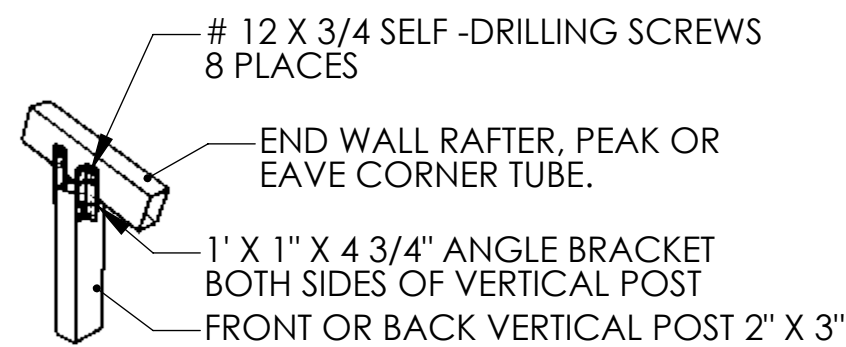
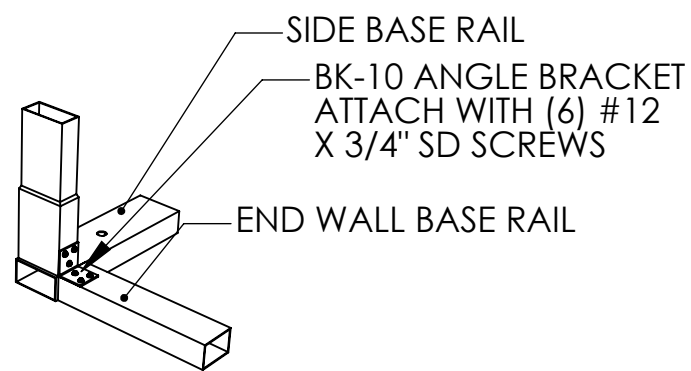
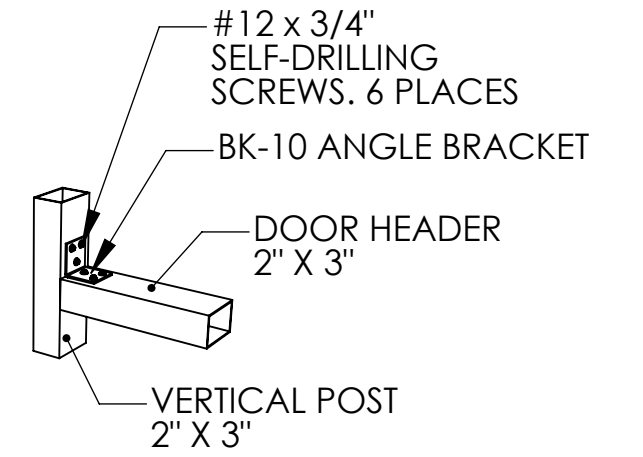
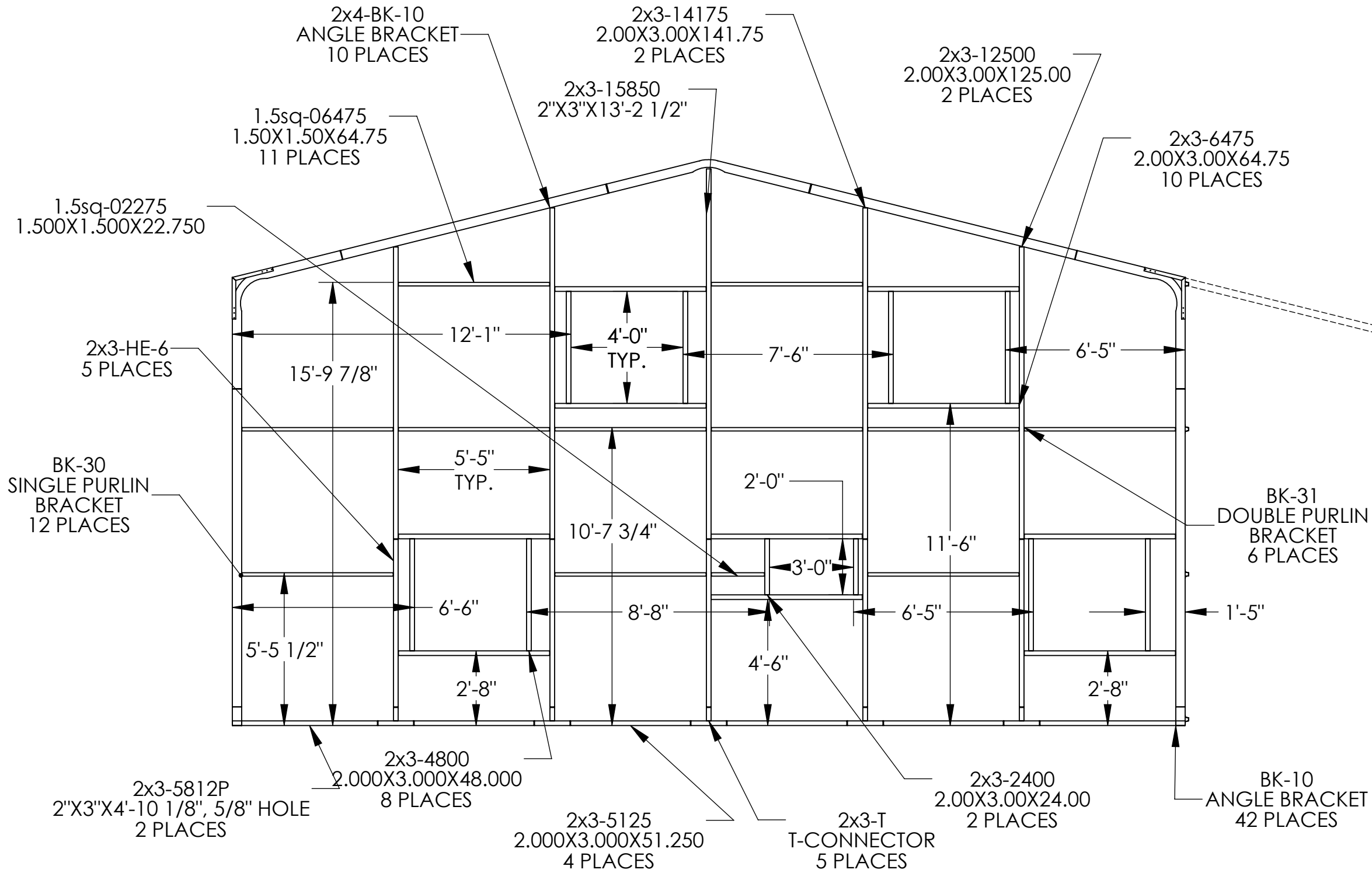
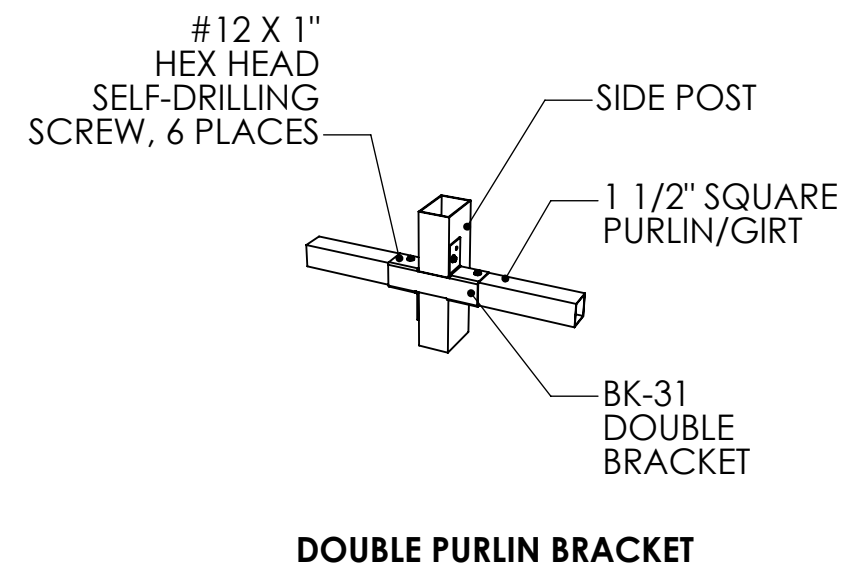
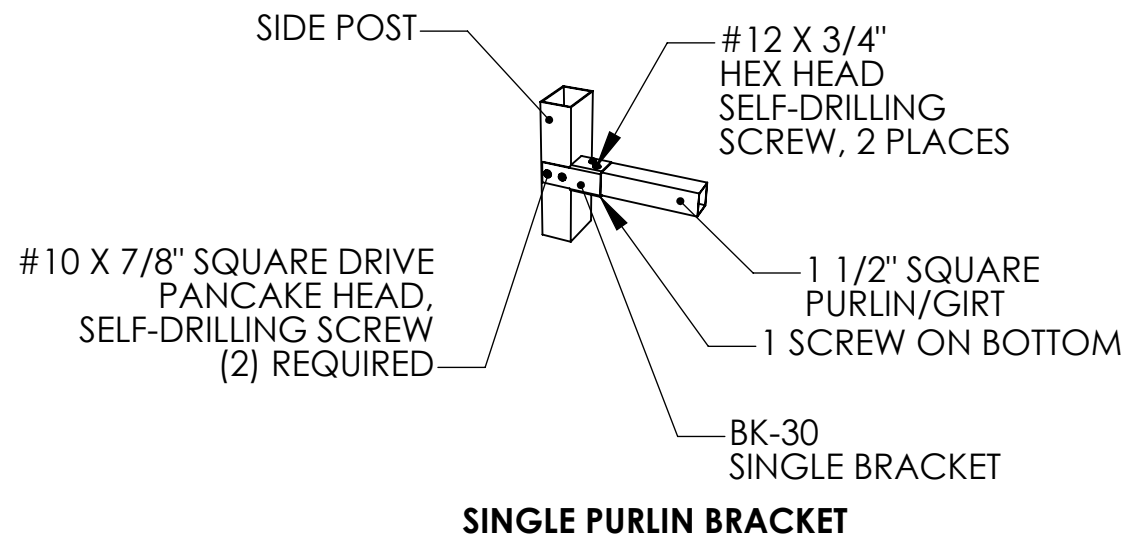
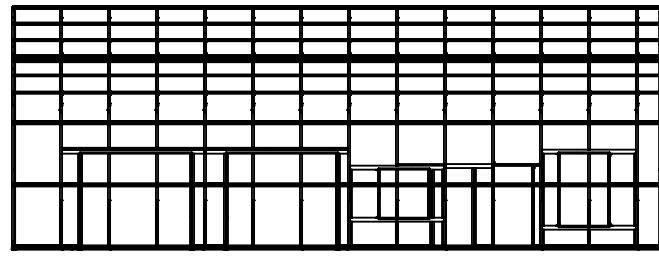
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| TITLE: 34' X 54'2" X 16' SUMMIT, 12' ROOF ONLY LEAN-TO | |
| DWG NO: LEFT LEAN-TO ELEVATION | |
| DRAWN BY: A. STRICKER | DATE: 5/17/2018 |
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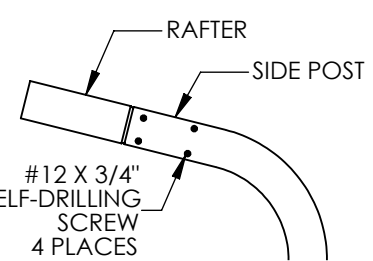
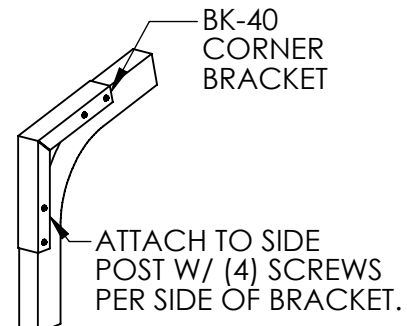
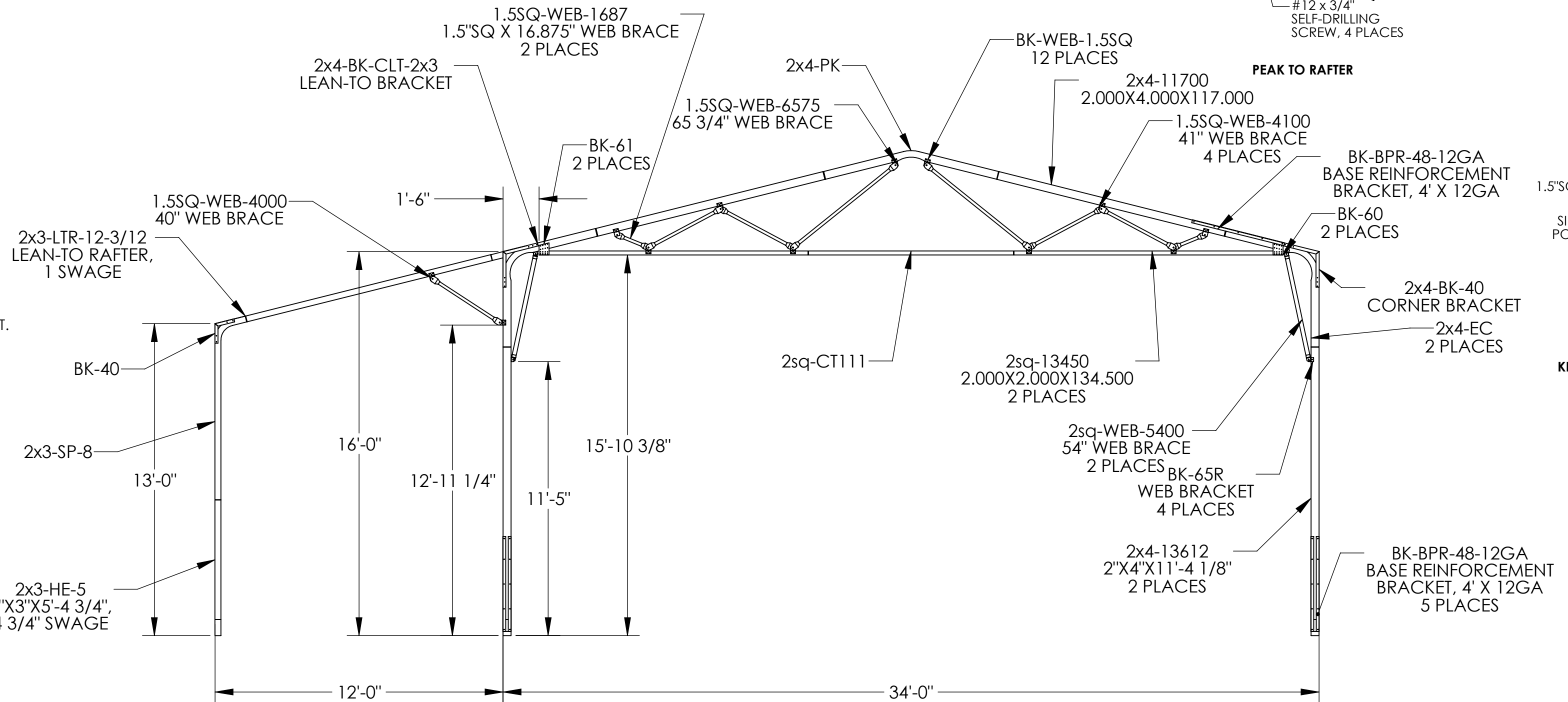
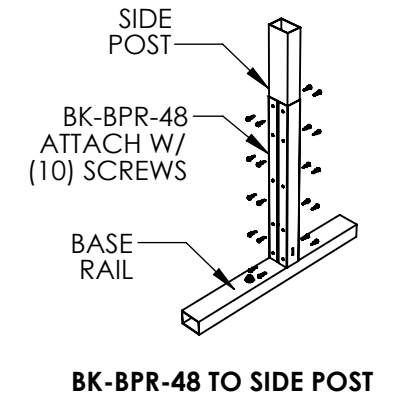
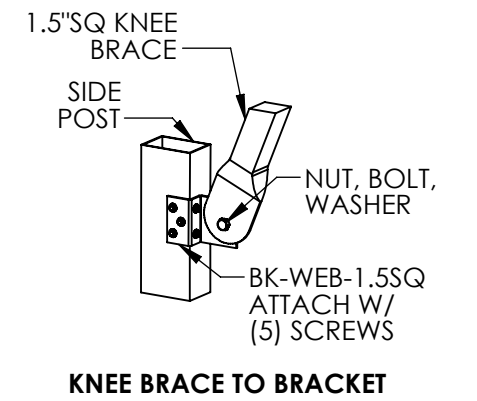
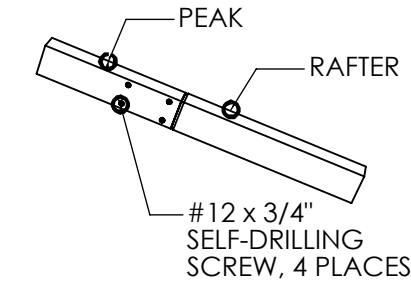
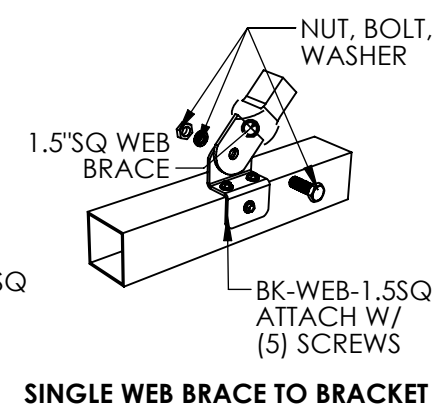
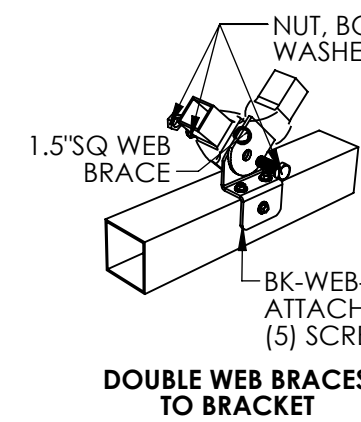
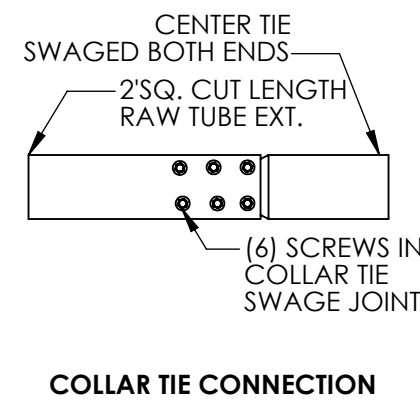
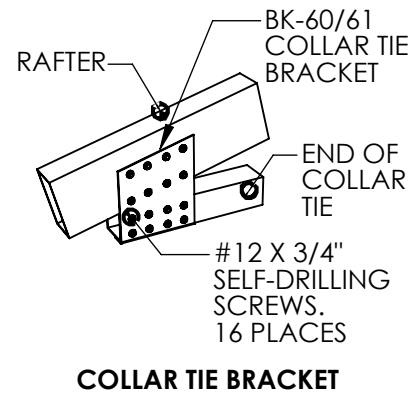
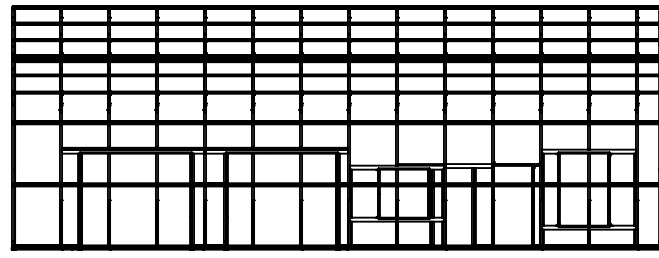
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|---|------------------------|
| PROJECT: VERSATUBE SUMMIT BUILDING | |
| TITLE: 34' X 54'2" X 16' SUMMIT, 12' ROOF ONLY LEAN-TO | |
| DWG NO: BACK ELEVATION | |
| DRAWN BY: A. STRICKER | DATE: 5/17/2018 |
| PAGE 6 OF 9 | |

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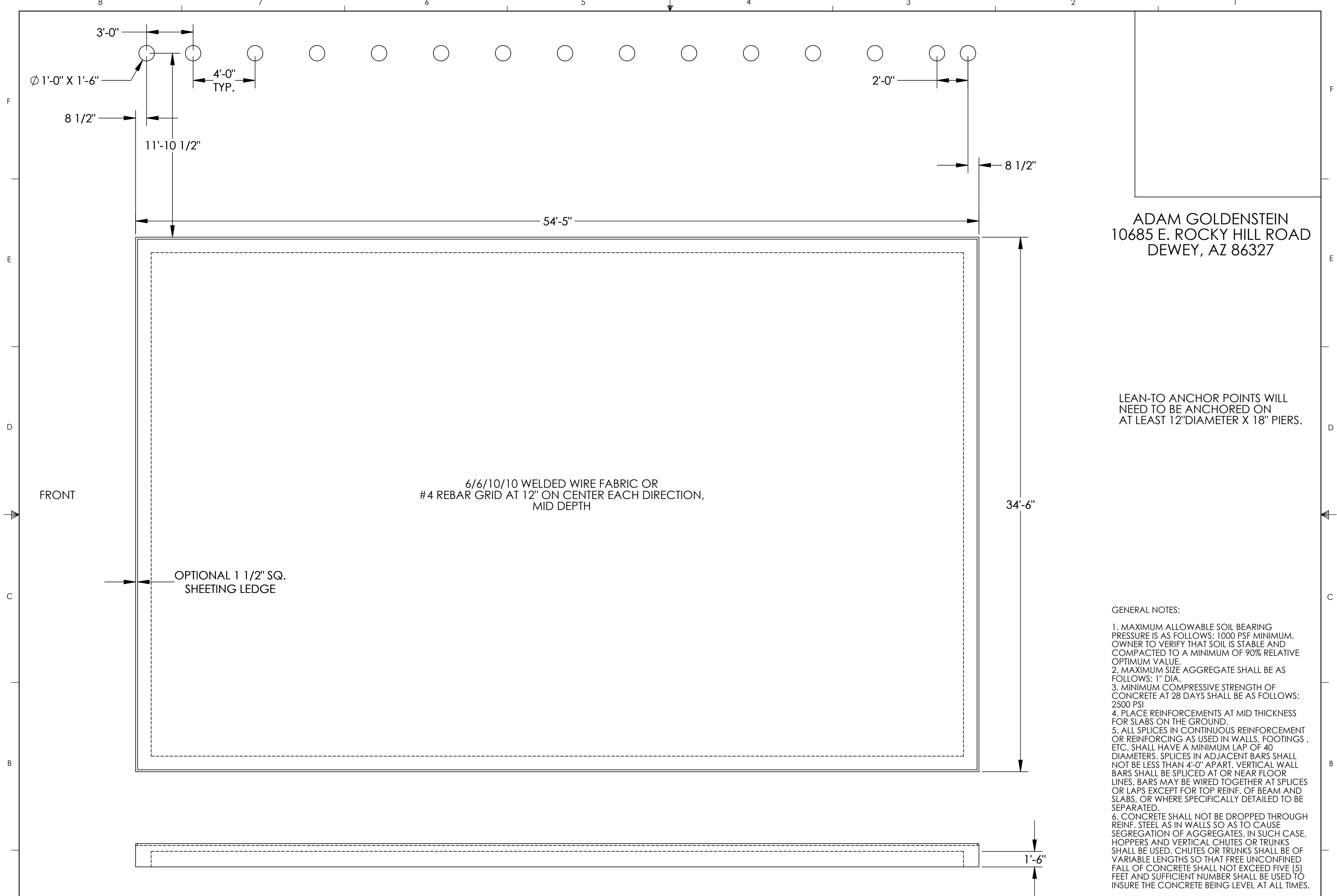
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| DWG NO: FRAME ELEVATION | |
| DRAWN BY: A. STRICKER | DATE: 5/17/2018 |
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LEAN-TO ANCHOR POINTS WILL
NEED TO BE ANCHORED ON
AT LEAST 12" DIAMETER X 18" PIERS.

6/6/10/10 WELDED WIRE FABRIC OR
#4 REBAR GRID AT 12" ON CENTER EACH DIRECTION,
MID DEPTH

OPTIONAL 1 1/2" SQ.
SHEETING LEDGE

- GENERAL NOTES:
1. MAXIMUM ALLOWABLE SOIL BEARING PRESSURE IS AS FOLLOWS: 1000 PSF MINIMUM. OWNER TO VERIFY THAT SOIL IS STABLE AND COMPACTED TO A MINIMUM OF 90% RELATIVE OPTIMUM VALUE.
 2. MAXIMUM SIZE AGGREGATE SHALL BE AS FOLLOWS: 1" DIA.
 3. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS: 2500 PSI
 4. PLACE REINFORCEMENTS AT MID THICKNESS FOR SLABS ON THE GROUND.
 5. ALL SPLICES IN CONTINUOUS REINFORCEMENT OR REINFORCING AS USED IN WALLS, FOOTINGS, ETC. SHALL HAVE A MINIMUM LAP OF 40 DIAMETERS. SPLICES IN ADJACENT BARS SHALL NOT BE LESS THAN 4'-0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINF. OF BEAM AND SLABS, OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED.
 6. CONCRETE SHALL NOT BE DROPPED THROUGH REINF. STEEL AS IN WALLS SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASE, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED FIVE (5) FEET AND SUFFICIENT NUMBER SHALL BE USED TO INSURE THE CONCRETE BEING LEVEL AT ALL TIMES.

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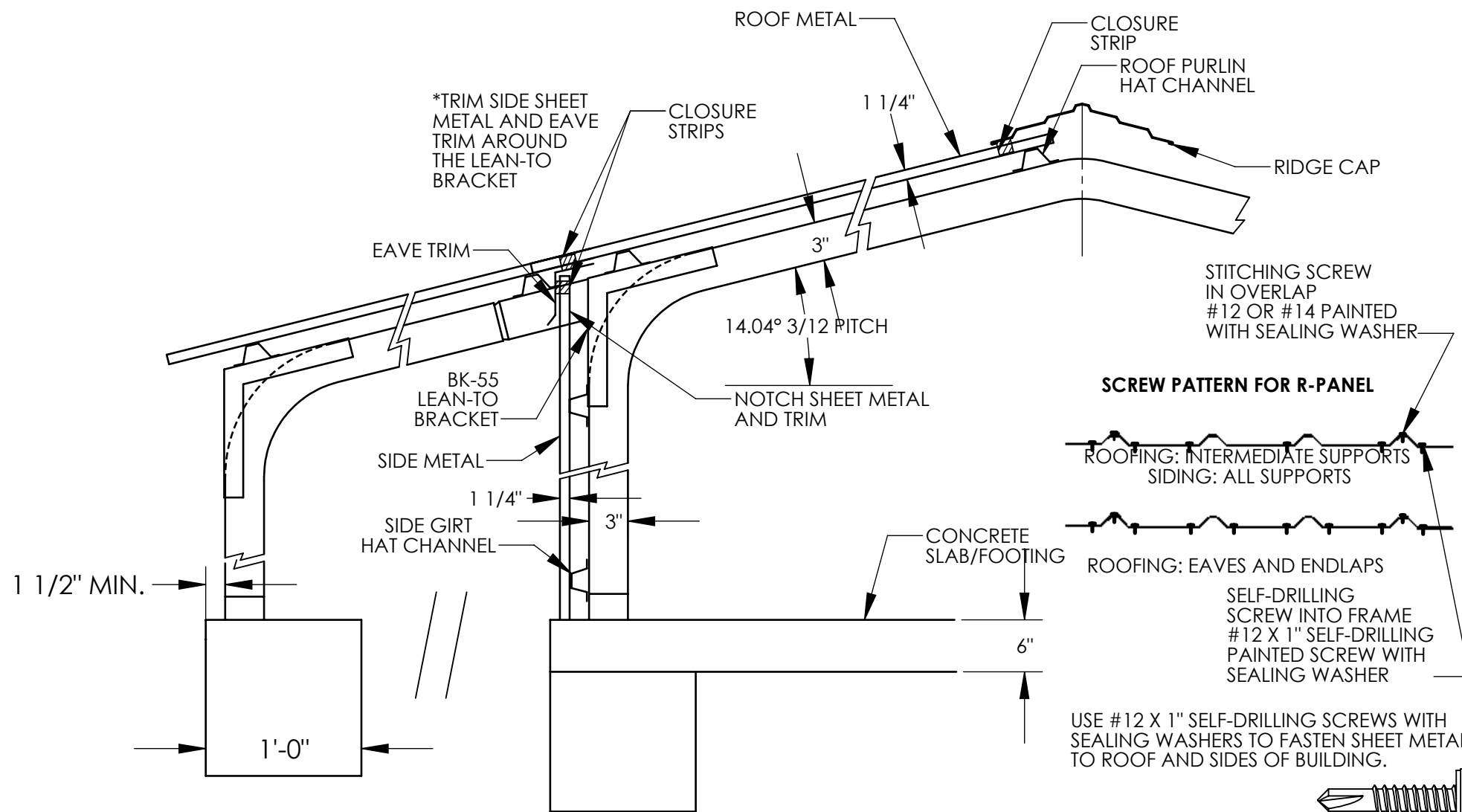
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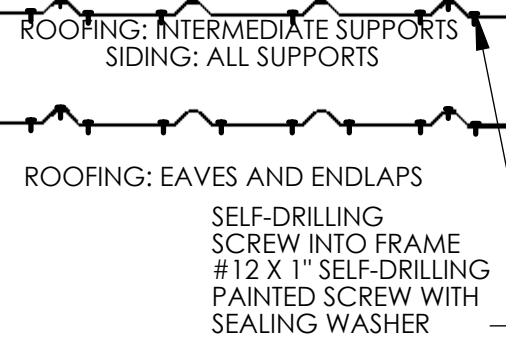
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| PROJECT: VERSATUBE SUMMIT BUILDING | |
| TITLE: 34' X 54'2" X 16' SUMMIT, 12' ROOF ONLY LEAN-TO | |
| DWG NO: FOUNDATION | |
| DRAWN BY: A. STRICKER | DATE: 5/17/2018 |
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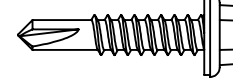
*IF ROOF SHEET METAL IS IN 2 PANELS, THE LOWER PANEL ON THE LEAN-TO IS TO BE PLACED UNDER THE UPPER ROOF PANEL



SCREW PATTERN FOR R-PANEL



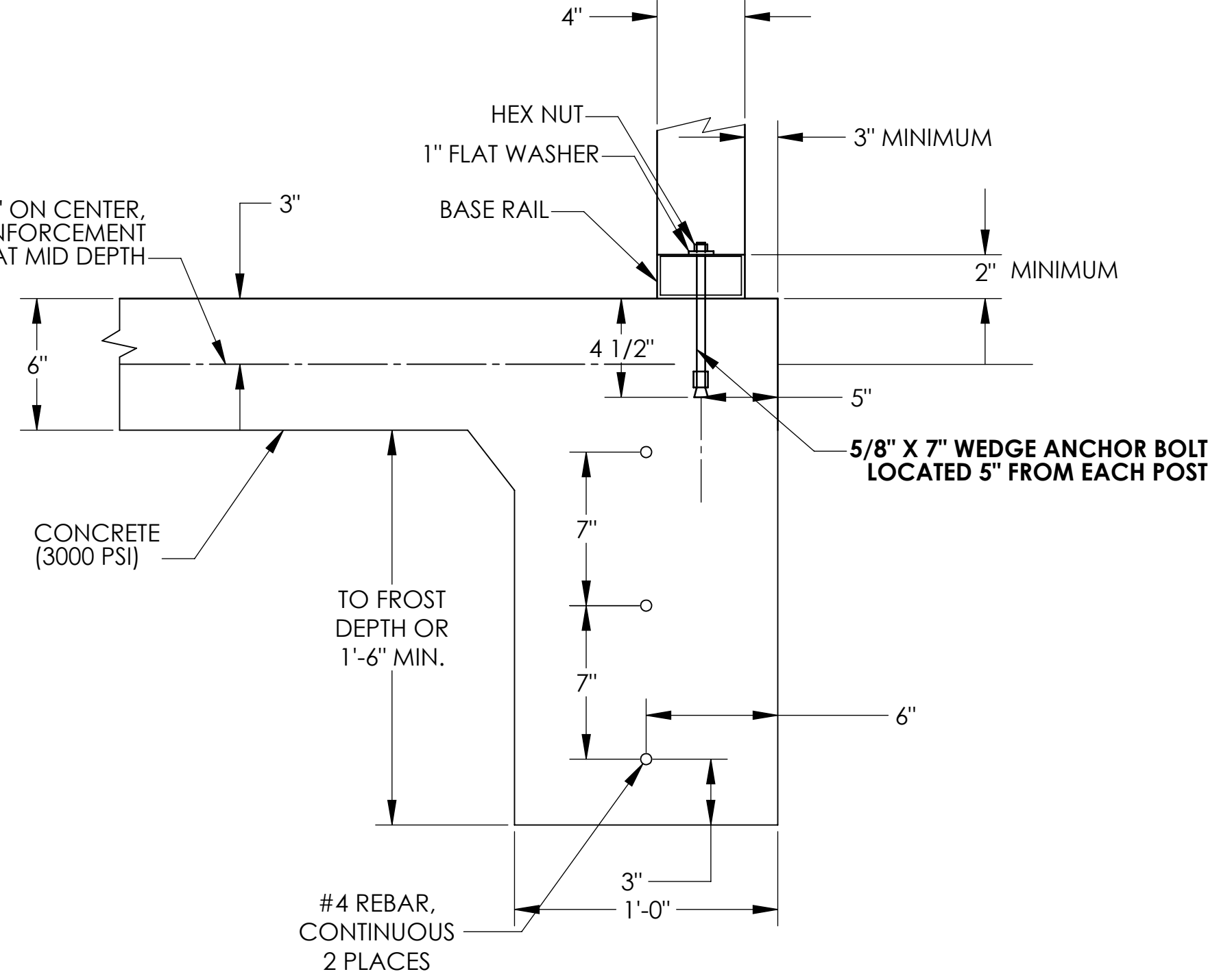
USE #12 X 1" SELF-DRILLING SCREWS WITH SEALING WASHERS TO FASTEN SHEET METAL TO ROOF AND SIDES OF BUILDING.



INSTALLATION:
USING HAMMER DRILL AND A 5/8" X 12" CONCRETE DRILL BIT, DRILL A HOLE INTO THE CONCRETE 5" TO DEEP. REMOVE DEBRIS FROM HOLES. PLACE THE FLAT WASHER ON THE BOLT AND INSTALL THE NUT UNTIL ABOUT 2 THREADS ARE EXPOSED ABOVE THE NUT. TAP THE ANCHOR THROUGH THE BASE RAIL INTO THE HOLE UNTIL THE WASHER TOUCHES THE TOP OF THE BASE RAIL. NOW, TIGHTEN THE NUT TO SET THE ANCHOR. DO NOT OVER TIGHTEN AND CRUSH THE TUBE.

*NOTE: INSULATION CAN BE ADDED BETWEEN SHEET METAL AND FRAMING. IF ADDED, USE LONGER SHEET METAL SCREWS.

#4 REBAR GRID, 12" ON CENTER, OR WELDED WIRE REINFORCEMENT WWF 6/6/10/10 AT MID DEPTH



LEAN-TO ANCHOR INSTALLATION:
USING HAMMER DRILL AND A 1/2" X 12" CONCRETE DRILL BIT, DRILL A HOLE INTO THE CONCRETE 5" TO DEEP. REMOVE DEBRIS FROM HOLES. PLACE THE FLAT WASHER ON THE BOLT AND INSTALL THE NUT UNTIL ABOUT 2 THREADS ARE EXPOSED ABOVE THE NUT. TAP THE ANCHOR THROUGH THE BASE RAIL INTO THE HOLE UNTIL THE WASHER TOUCHES THE TOP OF THE BASE RAIL. NOW, TIGHTEN THE NUT TO SET THE ANCHOR. DO NOT OVER TIGHTEN AND CRUSH THE TUBE.

DEPTH TO BE DICTATED BY FROST LINE OR UPLIFT.

NOTE TO BUILDING DEPARTMENT OFFICIAL:
THESE DRAWINGS AND/OR CALCULATIONS ARE VALID ONLY FOR STRUCTURES MANUFACTURED BY VERSATUBE BUILDING SYSTEMS. VERIFICATION IS RECOMMENDED PRIOR TO BUILDING APPROVAL.

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|---|------------------------|
| PROJECT: VERSATUBE SUMMIT BUILDING | |
| TITLE: 34' X 54'2" X 16' SUMMIT, 12' ROOF ONLY LEAN-TO | |
| DWG NO: SHEET METAL & ANCHORING | |
| DRAWN BY: A. STRICKER | DATE: 5/17/2018 |
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