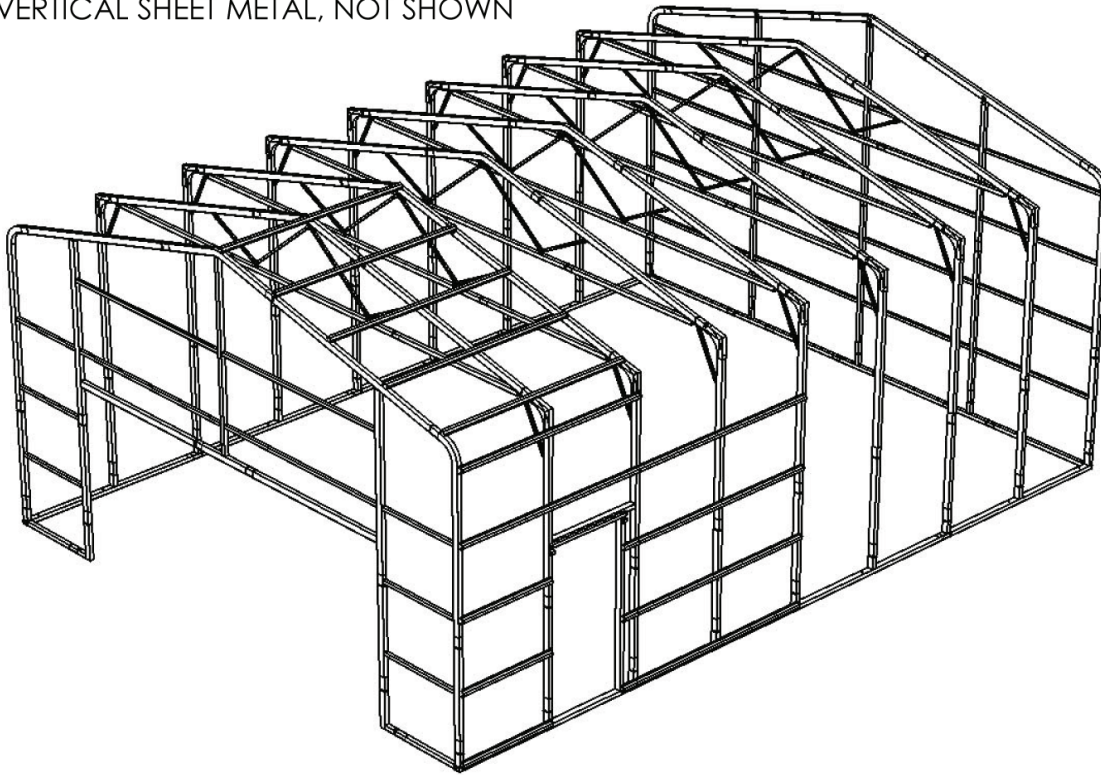


8 7 6 5 4 3 2 1

VERTICAL SHEET METAL, NOT SHOWN



DESIGN CRITERIA:

BUILDING SIZE: 24' X 32'-2" X 12'
 4' ON CENTER FRAME SECTIONS
 VERTICAL SHEET METAL: 29 GA.

WIND LOAD: 90 MPH, EXPOSURE (B)
 WIND IMPORTANCE FACTOR: 1
 GROUND SNOW LOAD: 50 PSF
 ROOF SNOW LOAD: 35 PSF
 SEISMIC: GOOD TO ZONE 4/D4

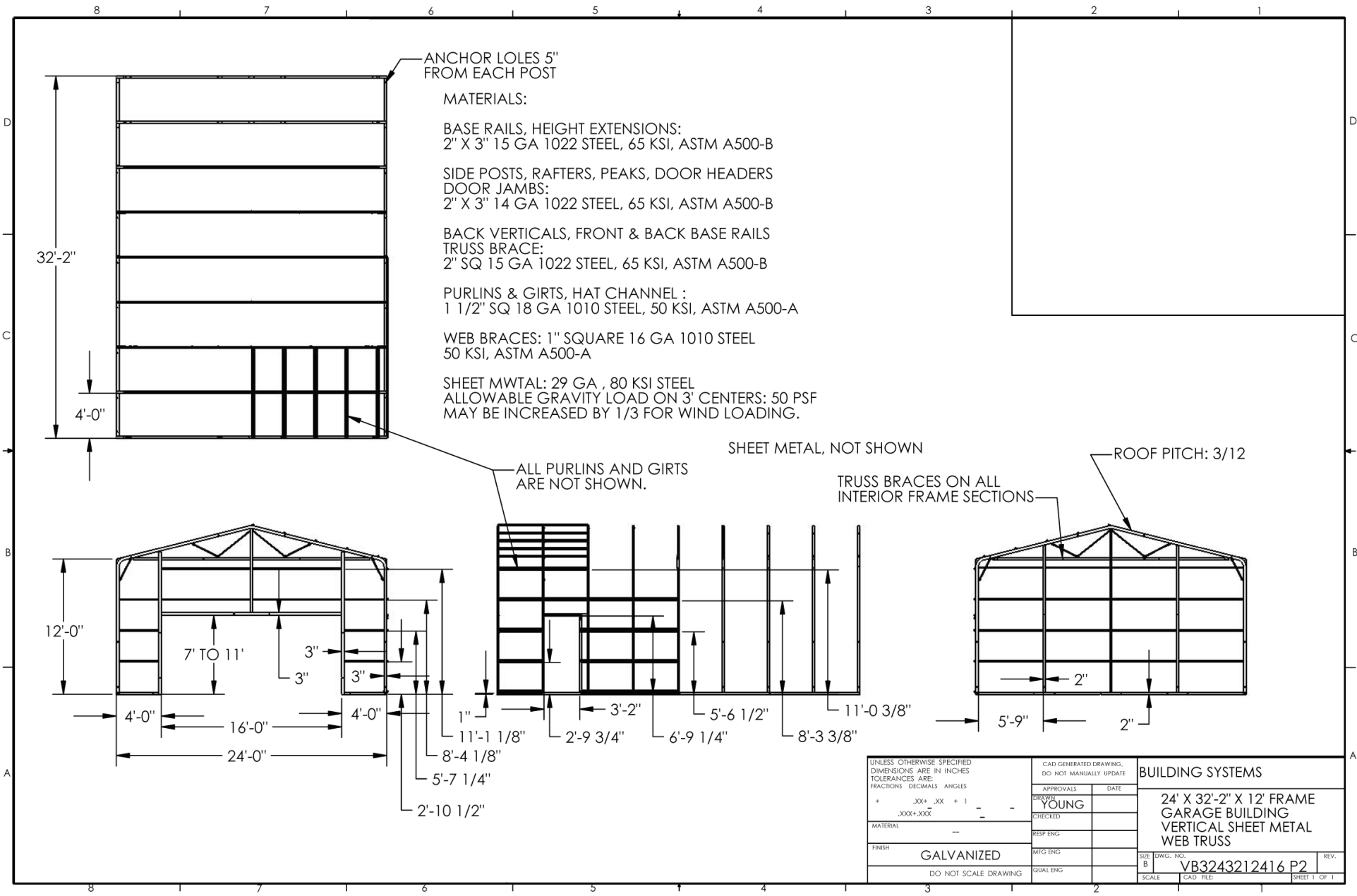
CODE COMPLIANCE MSC 1993, 2003 IBC

D
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D
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A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE		BUILDING SYSTEMS	
	APPROVALS	DATE	24' x 32'-2" x 12' FRAME GARAGE BUILDING VERTICAL SHEET METAL WEB TRUSS	
DRAWN YOUNG		SIZE		
MATERIAL	RESP ENG		B	VB3243212416 P1
FINISH GALVANIZED	MFG ENG		SCALE	REV.
DO NOT SCALE DRAWING	QUAL ENG			
				SHEET 1 OF 1

8 7 6 5 4 3 2 1



ANCHOR LOLES 5"
FROM EACH POST

MATERIALS:
 BASE RAILS, HEIGHT EXTENSIONS:
 2" X 3" 15 GA 1022 STEEL, 65 KSI, ASTM A500-B
 SIDE POSTS, RAFTERS, PEAKS, DOOR HEADERS
 DOOR JAMBS:
 2" X 3" 14 GA 1022 STEEL, 65 KSI, ASTM A500-B
 BACK VERTICALS, FRONT & BACK BASE RAILS
 TRUSS BRACE:
 2" SQ 15 GA 1022 STEEL, 65 KSI, ASTM A500-B
 PURLINS & GIRTS, HAT CHANNEL :
 1 1/2" SQ 18 GA 1010 STEEL, 50 KSI, ASTM A500-A
 WEB BRACES: 1" SQUARE 16 GA 1010 STEEL
 50 KSI, ASTM A500-A
 SHEET MWTAL: 29 GA , 80 KSI STEEL
 ALLOWABLE GRAVITY LOAD ON 3' CENTERS: 50 PSF
 MAY BE INCREASED BY 1/3 FOR WIND LOADING.

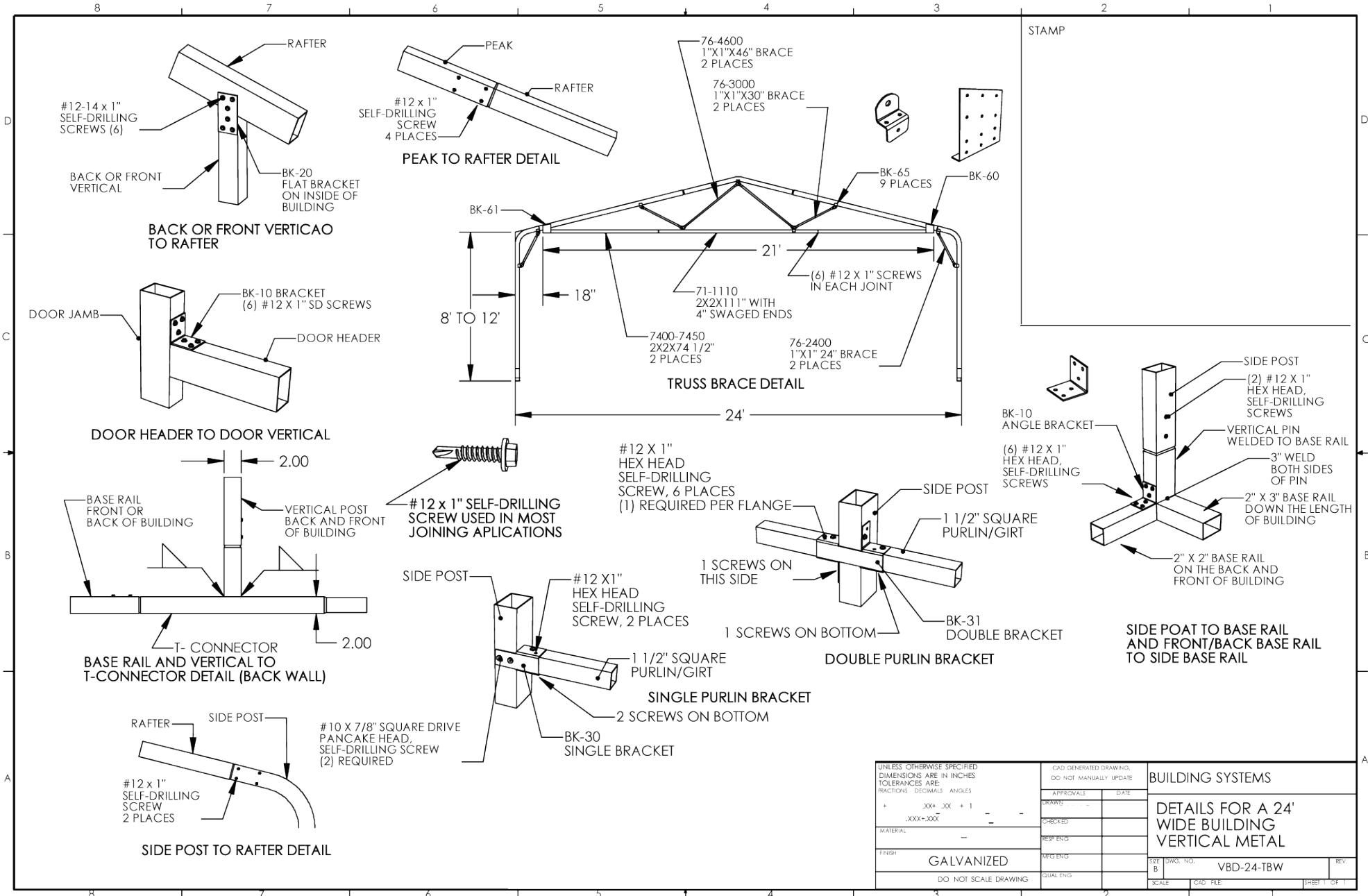
ALL PURLINS AND GIRTS
ARE NOT SHOWN.

SHEET METAL, NOT SHOWN

TRUSS BRACES ON ALL
INTERIOR FRAME SECTIONS

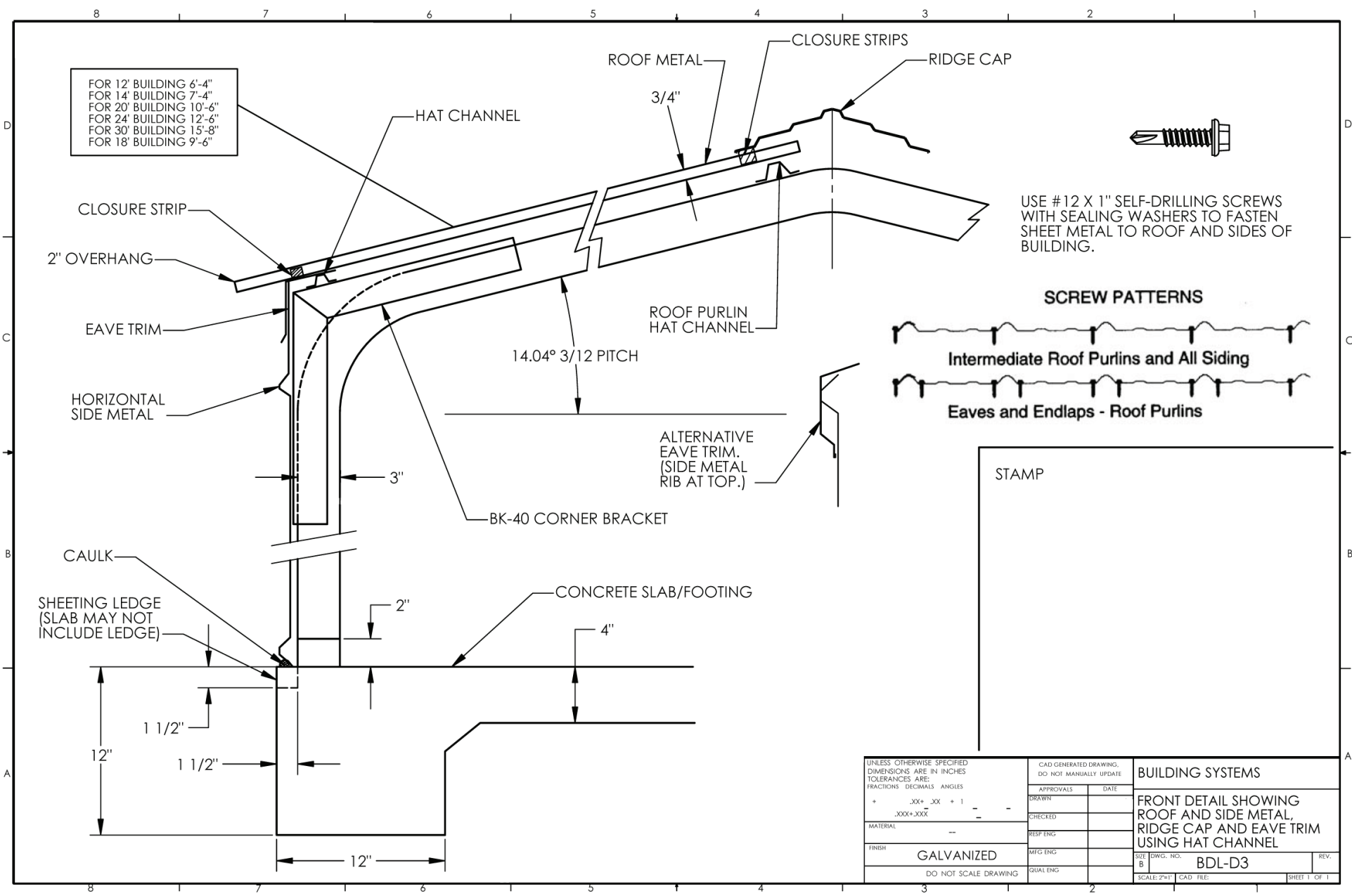
ROOF PITCH: 3/12

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES		CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE		BUILDING SYSTEMS	
+	.XX+ .XX + 1	-	-	APPROVALS	DATE
*	.XXX+.XXX			DRAWN YOUNG	
MATERIAL	--			CHECKED	
FINISH	GALVANIZED			RESP ENG	
	DO NOT SCALE DRAWING			MFG ENG	
				QUAL ENG	
SIZE	BWG. NO.	SCALE	CAD FILE	REV.	
B	VB3243212416 P2			SHEET 1 OF 1	



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONAL DECIMALS ANGLES	CAD GENERATED DRAWING DO NOT MANUALLY UPDATE	
	APPROVALS	DATE
	DRAWN	
	CHECKED	
	RESP' ENG	
MATERIAL	-	
FINISH	GALVANIZED	
	DO NOT SCALE DRAWING	
	QUAL' ENG	

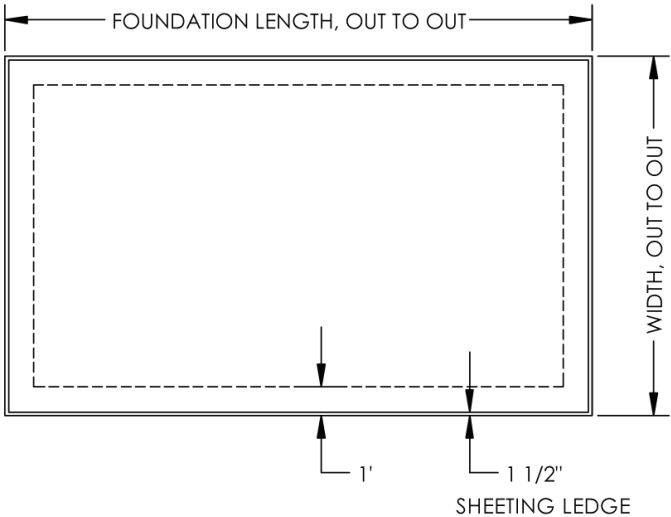
BUILDING SYSTEMS		
DETAILS FOR A 24' WIDE BUILDING VERTICAL METAL		
SIZE	DWG. NO.	REV.
B	VBD-24-TBW	
SCALE	CAD FILE	SHEET 1 OF 1



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX+ .XX + 1 - - .XXX+.XXX	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE		BUILDING SYSTEMS	
	APPROVALS	DATE	FRONT DETAIL SHOWING ROOF AND SIDE METAL, RIDGE CAP AND EAVE TRIM USING HAT CHANNEL	
MATERIAL	DRAWN	CHECKED	RESP ENG	SIZE DWG. NO. BDL-D3
FINISH GALVANIZED	MFG ENG	QUAL ENG	SCALE: 2"=1'	REV.
DO NOT SCALE DRAWING	3		CAD FILE:	SHEET 1 OF 1

8 7 6 5 4 3 2 1

STAMP



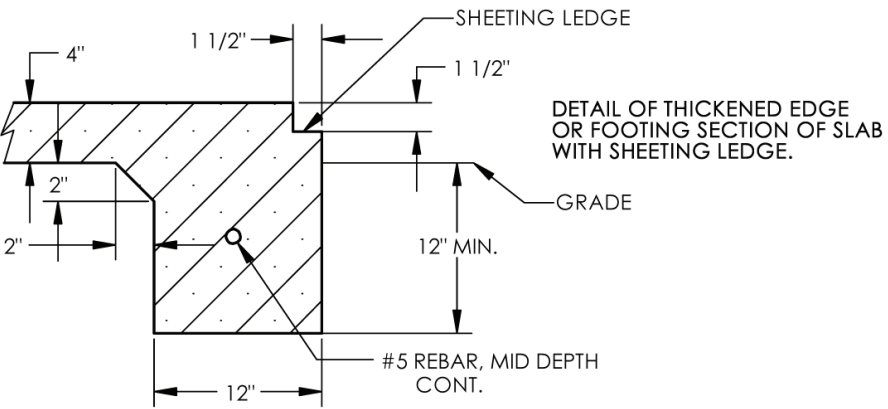
REQUIRED FOUNDATION/SLAB SIZE

DIMENSIONS ARE OUTSIDE TO OUTSIDE OF SLAB. THE SLAB OUT TO OUT DIMENSIONS MUST BE 6" WIDER AND 3" LONGER THAN THE BUILDING FRAME SIZE.

EXAMPLE A:
20'W X 30'-2"L X 10'H BUILDING WOULD HAVE A SLAB DIMENSION OF 20'-6"W X 30'-5"L.

EXAMPLE B:
24'W X 24'-2"L X 8'H BUILDING WOULD HAVE A SLAB DIMENSION OF 24'-6" X 24'-5"L.

- 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 SEPERATED.
 6. CONCRETE SHALL NOT BE DROPPED THROUGH REINF. STEEL 9AS 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.



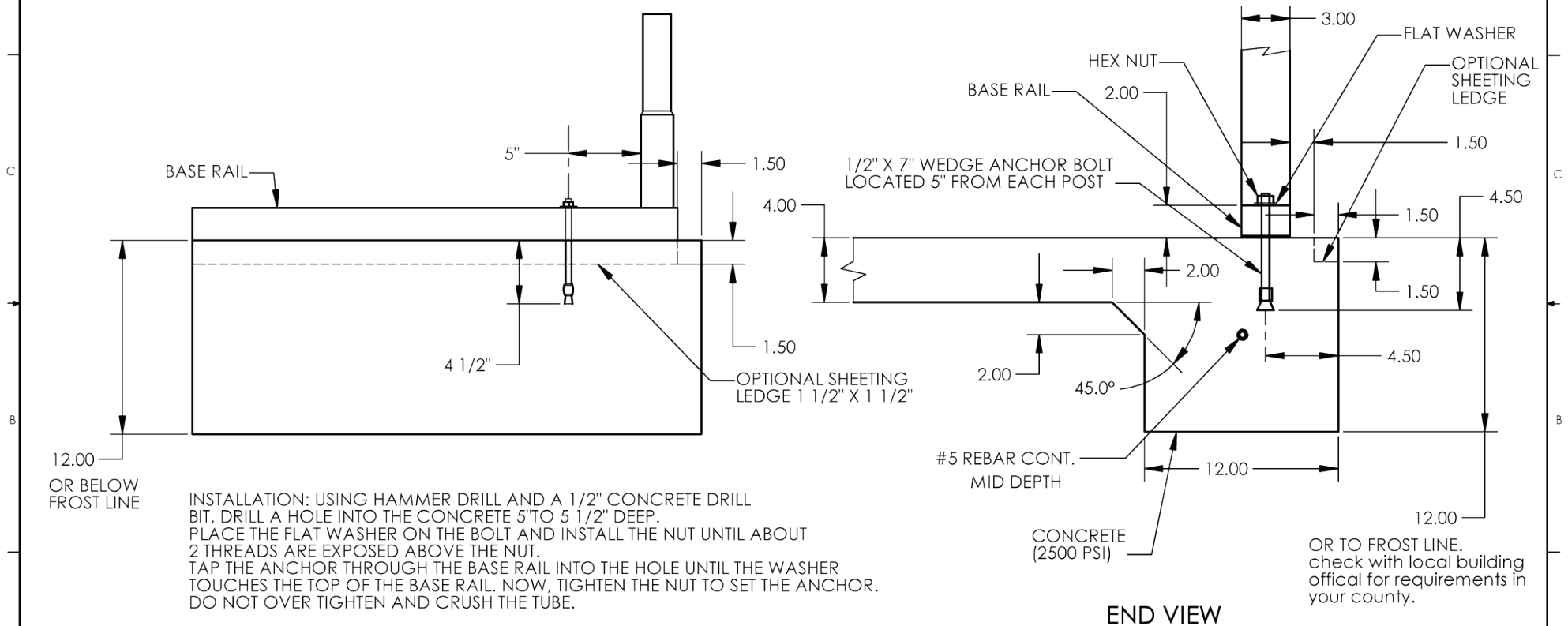
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX + .XX + 1 - - XXX+XXX	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE		BUILDING SYSTEMS	
	APPROVALS	DATE	MONOSLAB FOUNDATION FOR VB BUILDINGS WITH HAT CHANNEL ON ROOF & SIDES. VERSATUBE GIRTS ON FRONT & BACK	
DRAWN YOUNG	CHECKED	RESP ENG	SHEET NO. VBF-HAT	
MATERIAL 2,500 PSI CONCRETE	FINISH	MFG ENG	SCALE	REV.
DO NOT SCALE DRAWING	SIAL ENG	CAD FILE	SHEET 1 OF 1	

8 7 6 5 4 3 2 1

WEDGE ANCHOR DETAIL

SLAB WITH FOOTING WITH OR WITH OUT A SHEETING LEDGE

ANCHOR HOLD DOWN FORCE 580 LBS.
 WITHOUT SPECIAL INSPECTION.
 1,165 LBS. WITH SPECIAL INSPECTION.
 ICBO REPORT #ER-1372
 NOTE: USE 1 ADDITIONAL ANCHOR ON THE OTHER
 SIDE OF EACH INTERIOR POST (NOT CORNER POST)
 FOR WINDS OVER 110 MPH.



INSTALLATION: USING HAMMER DRILL AND A 1/2" CONCRETE DRILL BIT, DRILL A HOLE INTO THE CONCRETE 5" TO 5 1/2" DEEP. 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.

OR TO FROST LINE. check with local building official for requirements in your county.

SIDE VIEW

END VIEW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX+ .XX + 1 - - .XXX-.XXX	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE		BUILDING SYSTEMS	
	APPROVALS	DATE	WEDGE ANCHOR FOR HAT CHANNEL BUILDINGS DETAIL 1/2" X 7"	
MATERIAL	DRAWN	CHECKED	SCALE	DWG. NO. VD-WA.5X7HC
FINISH	RESP. ENG.	RESP. ENG.	EQUAL ENG.	REV.
DO NOT SCALE DRAWING	SHEET 1 OF 1			