

## DESIGN NOTES

ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH: IBC-2012, OSHA, AISC, ASCE 7-10, AWS D 1.1 AND ALL APPLICABLE LOCAL REQUIREMENTS.

SHELTER BASE CONNECTIONS SHALL BE PROVIDED AS SHOWN ON SHEET 2.

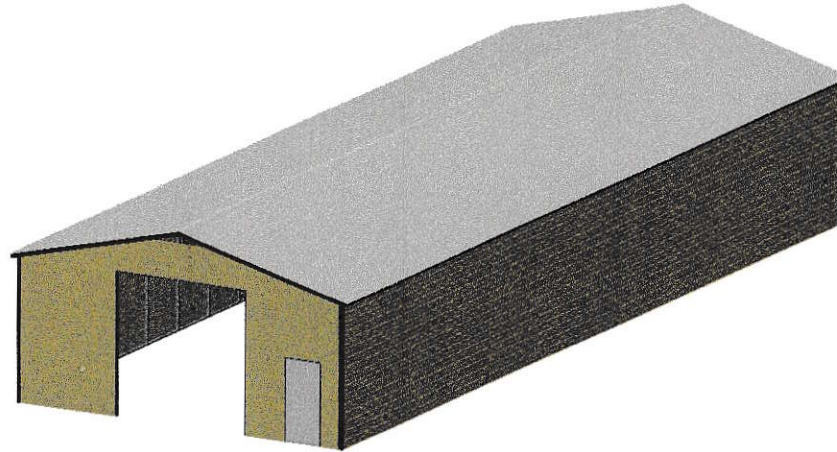
ALL MATERIALS IDENTIFIED BY MANUFACTURING STRUCTURES LLC. MAY BE SUBSTITUTED WITH MATERIAL EQUAL OR EXCEEDING ORIGINAL.

ALL SHOP CONNECTIONS SHALL BE WELDED CONNECTIONS.

ALL FIELD CONNECTIONS SHALL BE BE TEK'S #3 (1/4" X 3/4")

STEEL SHEATHING SHALL BE 29 GA. CORRUGATED GALV. OR PAINTED - MAIN RIB HT. (FY=80KSI) OR EQUAL.

ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 STEEL.



## DESIGN DATA (MATERIALS)

CONCRETE  $F'_c=3200$  PSI @ 28 DAYS ACI

REINFORCING STEEL GRADE 40,  $F_y = 40$  KSI, ASTM A615

W.W.F.  $F_y = 65$  KSI, ASTM A185

CONCRETE MIX SHALL CONTAIN 1#SY FIBER REINFORCING

## DESIGN DATA CRITERIA

PREVAILING CODE: IBC-2012  
 USE GROUP: U (CARPORTS, BARNES)  
 BASIC WIND VELOCITY: 105 MPH  
 ROOF DEAD LOAD: 2.0 PSF  
 ROOF LIVE LOAD: AS PER GROUND

IMPORTANCE FACTOR: SNOW= 0.8 WIND=0.87 SEISMIC=1.0  
 SEISMIC DESIGN CATEGORY: D2

## DRAWING INDEX

1-----COVER SHEET  
 2-----FOUNDATION RECOMMENDATION  
 3-----FRAMING DETAILS  
 4-----SHEETING

BUILDING SIZE: 30'(W) X 80'(L) X 12'(H)  
 GROUND SNOW LOAD: 10 PSF  
 WIND LOAD: 105 MPH

**PSG CUSTOM**  
 FABRICATION

PSG Custom Fabrication  
 1804 River St.  
 Wilkesboro, NC 28697  
 1.866.886.9337  
 customerservice@carport.com

OWNER: CHUCK BOGGS

ADDRESS: 2335 COLUMBIA HIGHWAY  
 PULASKI, TN 38478

LOCATION:  
 STATE OF TENNESSEE  
 AS PER DESIGN CRITERIA.

BUILDING MODEL: GE30-16x80

DATE: 7/20/2022

PROJECT NO.: TN-570133

DRAWN BY: CRR

CHECKED BY: JG

DRAWING TITLE:

Cover Page

ALL DIMENSIONS HAVE A TOLERANCE OF  $\pm 1"$

LEGAL NOTE:

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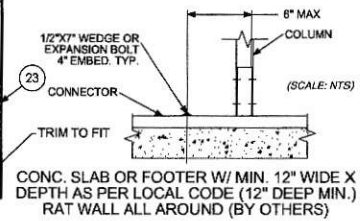
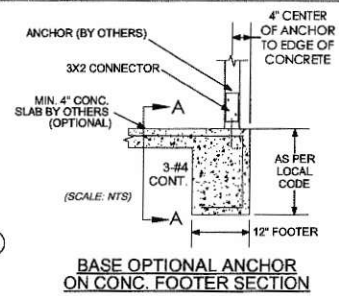
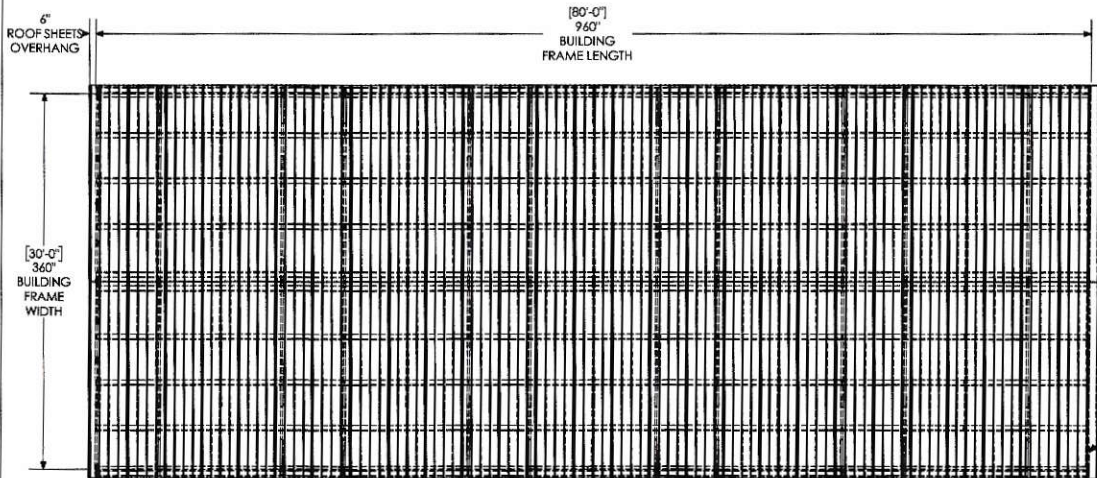
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DATE SEALED:

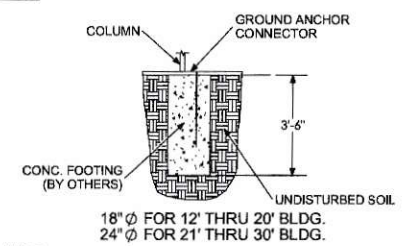
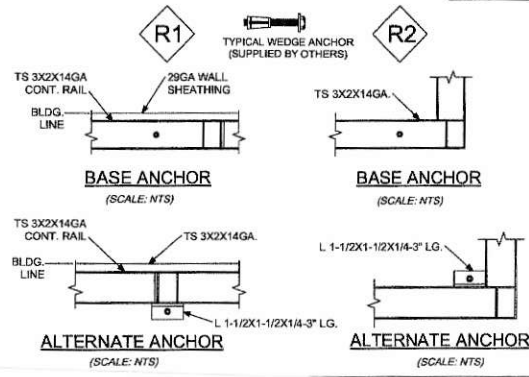
DWG. NO. TN-570133 CHUCK BOGGS (30x80x16)

REV



**SECTION A-A**

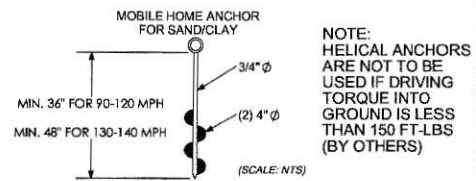
**FLOOR PLAN**



NOTE: ON LEVEL GRADE DIG AN 18"/24" Ø HOLE 42" DEEP AT EACH ANCHOR POINT. REPOSITION BASE RAILS OVER HOLES AND DROP A GROUND ANCHOR THROUGH EACH HOLE IN BASE RAILS. FILL EACH HOLE WITH 2500 PSI CONCRETE.

**OPTIONAL PIN ANCHOR DETAIL ON CONCRETE PIER FOOTING**

(SCALE: NTS)



NOTE: HELICAL ANCHORS ARE NOT TO BE USED IF DRIVING TORQUE INTO GROUND IS LESS THAN 150 FT-LBS (BY OTHERS)

**OPTIONAL HELICAL ANCHORS**

ANCHOR OPTION SCHEDULE		
ANCHOR SIZES	REMARKS	
1 5/8" X 20"	THRD. ROD EMBED IN CONC.	
2 5/8" X 7"	INSERT W/ EPOXY IN CONC.	
3 5/8" X 7"	EXPANSION BOLT IN CONC.	
4 1/2" X 7"	WEDGE ANCHOR IN CONC.	

ANCHOR SPACING		
WIND SPEED (MPH)	GARAGE WIDTH	
	90-120	12' THRU 20' BLDGS
130-140	NEXT TO EVERY FRAME	

**PSG CUSTOM FABRICATION**

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LOCATION: STATE OF TENNESSEE  
AS PER DESIGN CRITERIA.

BUILDING MODEL: GE30-16x80  
DATE: 7/20/2022  
PROJECT NO.: TN-570133  
DRAWN BY: CRR  
CHECKED BY: JG  
DRAWING TITLE: Foundation/Roof

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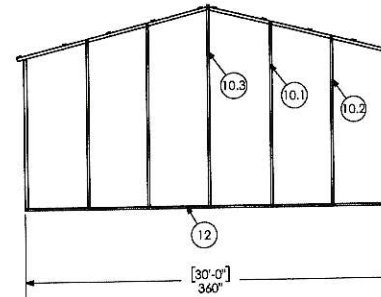
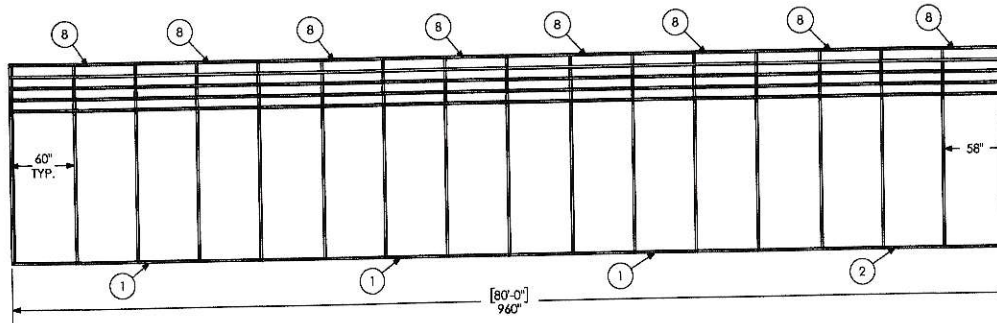
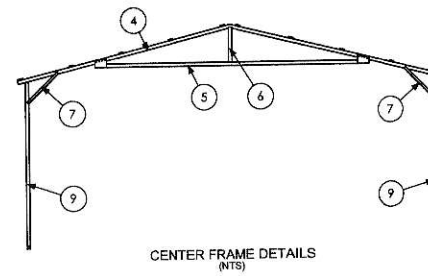
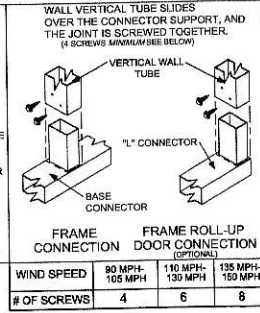
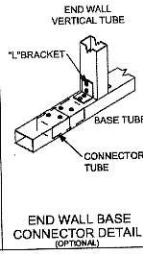
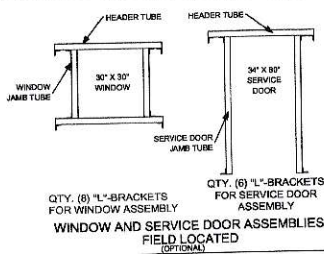
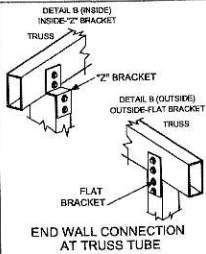
ALL DIMENSIONS HAVE A TOLERANCE OF ± 1"

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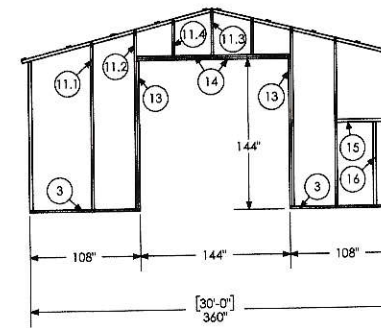
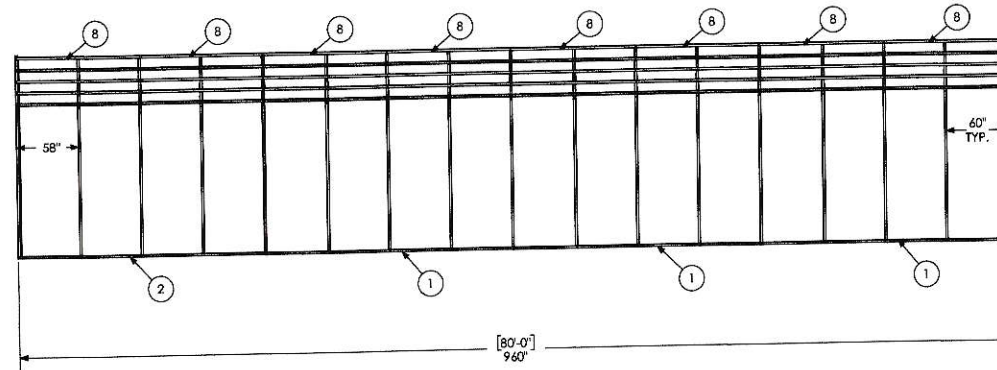
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DWG. NO. TN-570133 CHUCK BOGGS (30x80x16)      REV \_\_\_\_\_



SERVICE DOORS FIELD LOCATED TRIM TUBES TO FIT



**PSG CUSTOM FABRICATION**

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PULASKI, TN 38478

LOCATION:  
STATE OF TENNESSEE  
AS PER DESIGN CRITERIA.

BUILDING MODEL: GE30-16x80

DATE: 7/20/2022

PROJECT NO.: TN-570133

DRAWN BY: CRR

CHECKED BY: JCG

DRAWING TITLE:

Frame Details

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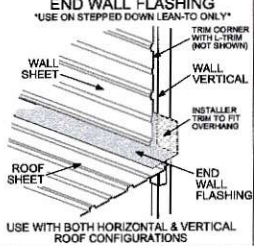
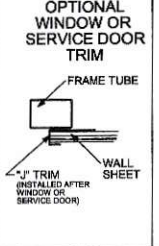
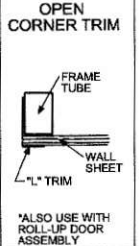
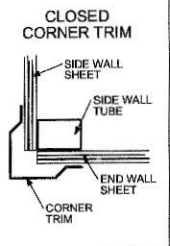
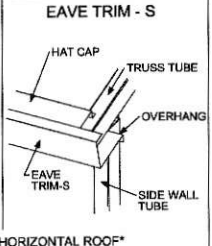
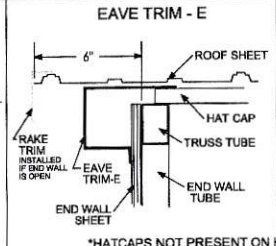
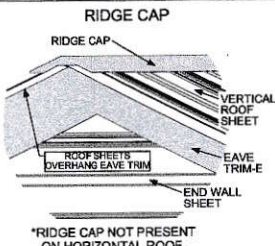
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SHEETING SCREW SCHEDULE	LOCATION	CORNER PANELS	SIDE LAPS	EDGE LAPS	ELSEWHERE
	SPACING	6" C/C	MIN. 1	4" C/C	8" C/C

USE DROPS FROM SHEETING TO FILL SECTIONS AS NEEDED

OWNER: CHUCK BOGGS  
ADDRESS: 2335 COLUMBIA HIGHWAY PULASKI, TN 38478

LOCATION: STATE OF TENNESSEE AS PER DESIGN CRITERIA.

BUILDING MODEL: GE30-16x80

DATE: 7/20/2022

PROJECT NO.: TN-570133

DRAWN BY: CRR

CHECKED BY: JG

DRAWING TITLE:

Sheeting

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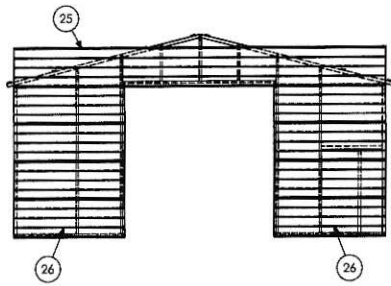
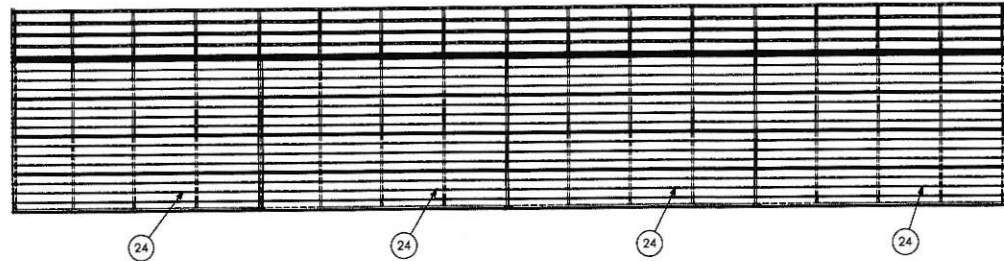
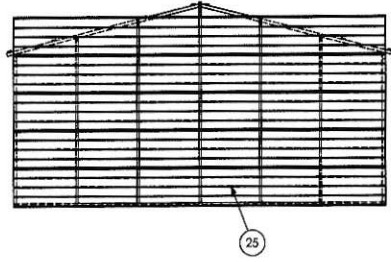
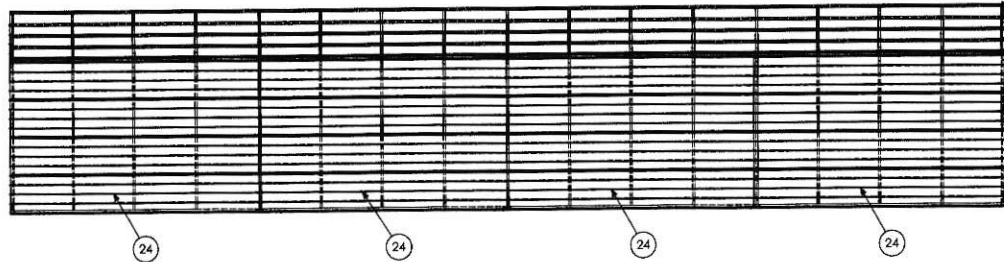
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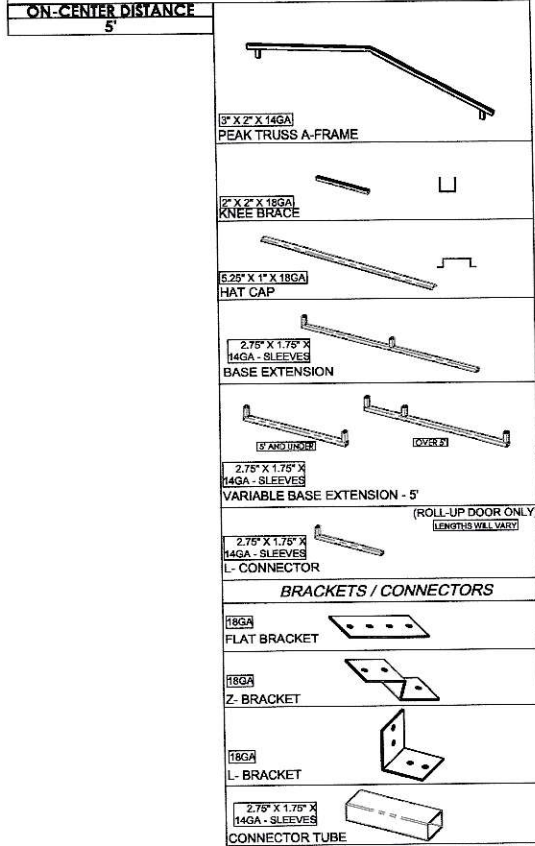
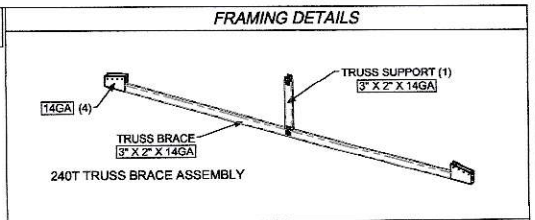


DATE SEALED:

DWG. NO. TN-570133 CHUCK BOGGS (30x80x16) REV



RELEASE DATE:		LEAVING FROM:		SHIP DATE:		
BILL OF MATERIALS						
ITEM NO.	PART NUMBER	WIDTH	LENGTH	QTY.	PULLED	SHIPPING
1	20' Base Extension Connector Tube	5' ON CENTER	240"	6		SHIPPING BUNDLE
2	Variable Base Extension 5 Garage	5' ON CENTER	240"	2		
3	L-Connector_Garage 1865		105"	2		
4	Peak Truss A Frame_Garage	3:12 PITCH	393 5/8"	17		
5	Truss Brace_Garage		240"	15		
6	Truss Brace Support_Garage		30 1/2"	15		
7	Knee Brace		36"	30		
8	Hat Cap_Garage		120"	80		
9	Wall Vertical_Garage 1865		142 3/4"	34		
10	End Wall D Vertical Tubes_Garage 1865			1		
10.1			172 5/8"	2		
10.2			158"	2		
10.3			190 3/8"	1		
11	End Wall B Vertical Tubes_Garage 1865			1		
11.1			158"	2		
11.2			168 5/8"	2		
11.3			41 5/8"	1		
11.4			32"	2		
12	End Wall Base_Garage		354"	1		
13	Roll-Up Door Jamb_Garage		142"	2		
14	Roll-Up Door Header_Garage	STITCH-WELD	148"	2	1 SET	
15	58in. Horizontal Tube_Garage		58"	1		
16	Service Door Jamb_Garage		80"	1		
17	Service Door with Entry Set (36x80) METAL DOOR	36"	80"	1		SHIPPING BUNDLE
18	Connector Tube_Garage		8"	6		SHIPPING BUNDLE
19	Flat Bracket_Garage		STOCK	72		
20	Z-Bracket_Garage		STOCK	12		
21	L-Bracket_Garage		STOCK	38		SHIPPING BUNDLE
22	Wedge Anchor		STOCK	47		
23	Roof Sheet_Garage 1865	WHITE	194"	54		
24	Side Wall Sheet_Garage 1865	BEIGE	242"	32		SHIPPING BUNDLE
25	End Wall Sheet_Garage 1865	BEIGE	360"	6		
26	Wall Sheet RD_Garage 1865	BEIGE	108"	8		
27	Ridge Cap_Garage 1865	WHITE	123"	9		SHIPPING BUNDLE
28	Eave Trim-SV	BROWN	123"	17		
29	Eave Trim-EV	BROWN	123"	8		
30	Gable and Small Corner Trim_Garage 1865	BROWN	123"	6		
31	Opening Trim -L_Garage 1865	BROWN	123"	4		
32	J-Trim_Garage 1865	BROWN	123"	3		



**COLOR MATCHING SCREWS**

	COLOR	QTY	# OF BAGS
FRAME SCREWS	GALVALUME	1842	8
ROOF SCREWS	WHITE	1370	6
SHEET SCREWS	BEIGE	1250	5
ROOF TRIM SCREWS	BROWN	300	2
BUILDING TRIM SCREWS	BROWN	180	1



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DRAWN BY: CRR

CHECKED BY: JG

DRAWING TITLE:  
**Bill of Materials**

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