



## Fire Marshal Division

P.O. Box 370  
Lillington, NC 27546  
910-893-7580

# Application for Plan Review

Application # \_\_\_\_\_ - \_\_\_\_\_

Date Received: \_\_\_\_\_ Received By: \_\_\_\_\_

Name of Project: KENS MUFFER

Physical Address of Project: 120 MATTHEWS MILL POND Rd  
ANGIER NC 27501

Plans Submitted By: \_\_\_\_\_

Project Phone: (919)-639-3664

Contact Person/Address: KEN

Contact Phone: (252)-291-8023 (\_\_\_\_)-\_\_\_\_-\_\_\_\_

Contractor's Name/Info: CAROLINA STRUCTURAL

Contractor's Phone: (252)-291-8023

- Plans that are submitted will be reviewed as quickly as possible with an average time of review between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the website <http://hteweb.harnett.org/Click2GovBP/Index.jsp> or by calling the Harnett County Central Permitting Office (910-893-7525 ext 2), or the Harnett County Fire Marshal's Office (910-893-7580).
- Approved plans must be picked up from the Central Permitting Office and all fees paid before any required inspections can be conducted.

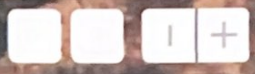


GIS Viewer

Disclaimer: All information within this application is considered reference only. - NOT FOR LEGAL USE

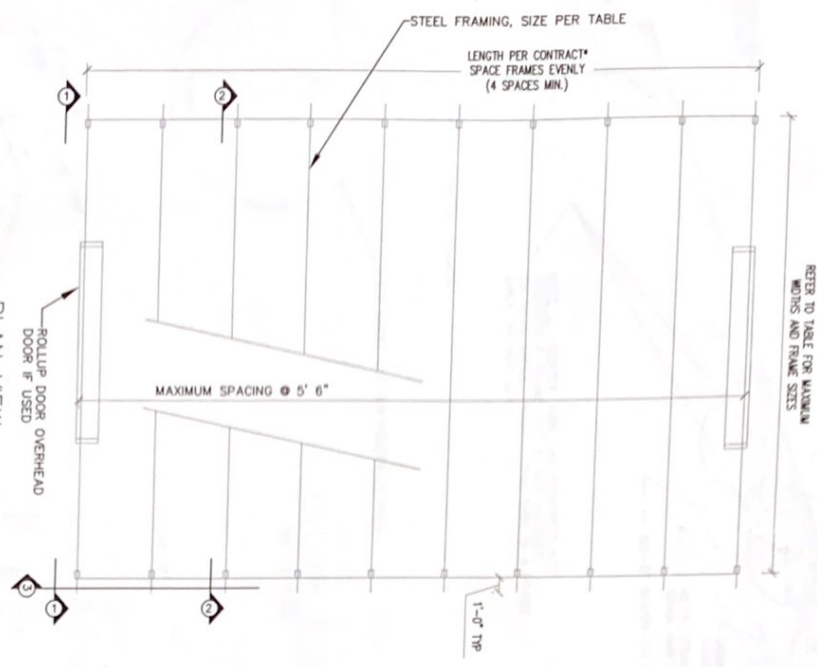
120 MATTHEWS MILL POB X

Show search results for 120 M...



-78.755567 35.495399 Degrees

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ENCLOSED BUILDING, SIZE PER SPAN CHART  
FULL SIDE COVERAGE  
• MAXIMUM LENGTH IS NOT LIMITED

REFER TO TABLE FOR MAXIMUM  
WINDS AND FRAME SIZES

PLAN VIEW  
NOT TO SCALE

ROLLUP DOOR OVERHEAD  
DOOR IF USED

NOTE:  
ALL SIZES ARE 4x4 TUBE  
STEEL (F<sub>y</sub> = 50KSI)

MAX HEIGHT	9'	12'	16'
30' 0"	13 GA	11 GA	11 GA
36' 0"	11 GA	9 GA	9 GA
40' 0"	9 GA	9 GA	9 GA
40' 0"	9 GA	9 GA	9 GA
50' 0"	9 GA	9 GA	9 GA

BRACE LOCATED @ 1'-6" BELOW RIDGE  
BRACE LOCATED @ 1'-6" BELOW RIDGE  
BRACE LOCATED @ 3'-6" BELOW RIDGE  
BRACE LOCATED @ 6'-6" BELOW RIDGE  
(WITH CENTER VERTICAL)

1. USE SPAN CHART.
  2. SELECT WIDTH OF BUILDING DESIRED.
  3. SELECT EAVE HEIGHT OF BUILDING - THIS IS DIMENSION TO TOP OF COLUMN FROM GRADE.
  4. SELECT HORIZONTAL LINE FROM WIDTH TO CORRECT HEIGHT COLUMN.
  5. INTERPOLATE BETWEEN SIZES IS NOT PERMITTED.
  6. THIS TABLE TO BE USED WITH DRAWINGS ST THRU S8 ONLY.
  7. CENTER BRACE REQUIRED IF SIZE IS HATCHED AS SHOWN.
- LOCATION SPECIFIED @ RIGHT OF TABLE



**BARTLETT**  
ENGINEERING & SURVEYING, PC

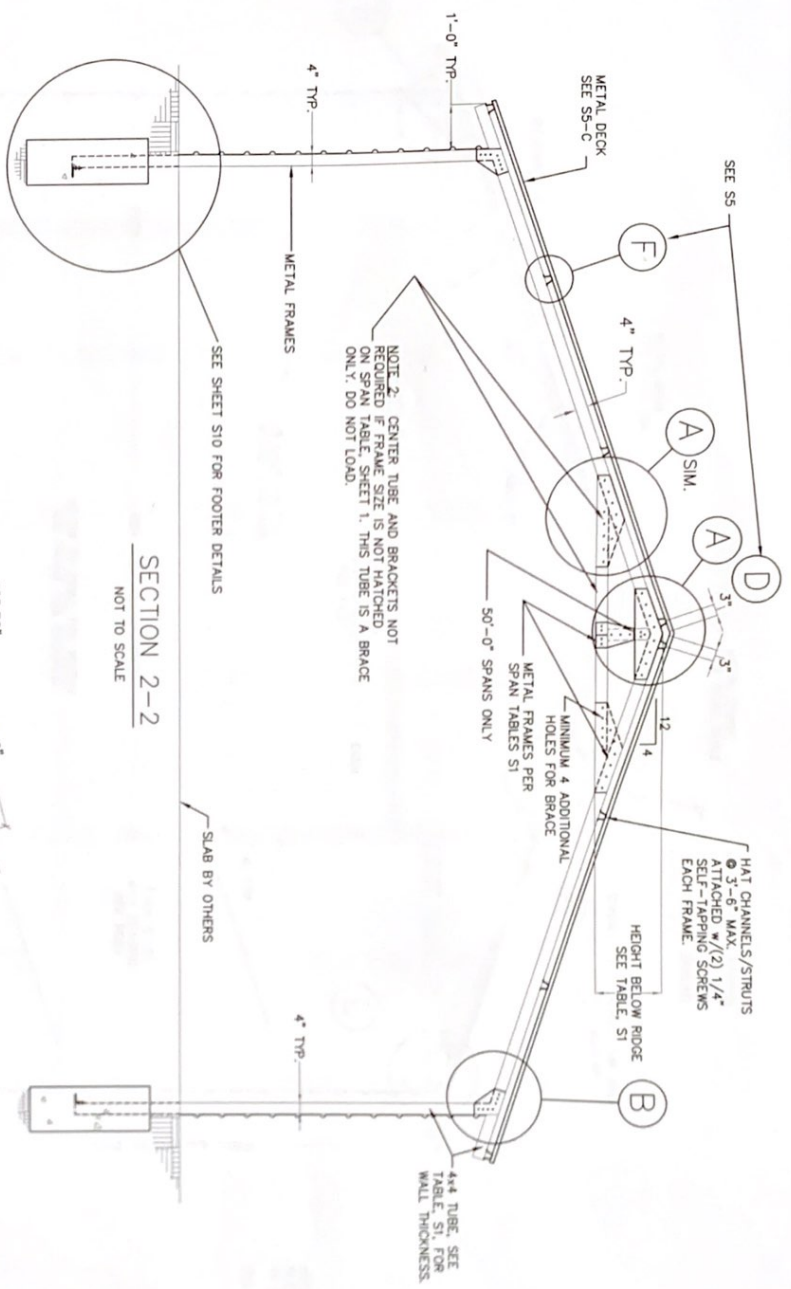
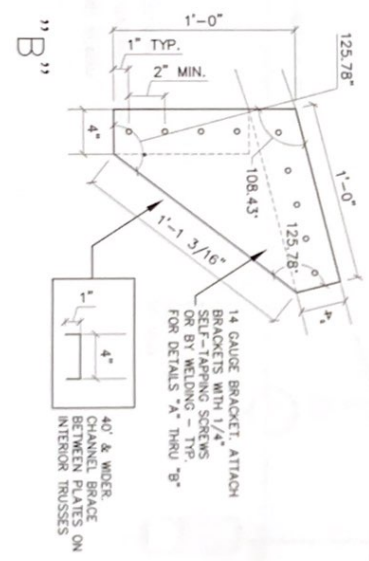
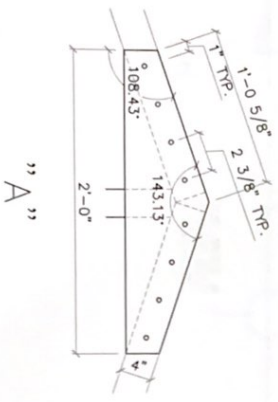
1906 NASH STREET NORTH  
WILSON, NORTH CAROLINA 27893  
TEL (252)399-0704 FAX (252)399-0804

DATE: JUNE 2021 CADFILE: 07438075-A  
SCALE: NO SCALE DRAWN BY: LR  
CLIENT: CARSTRU SURVEYED BY:

CAROLINA STRUCTURAL, LLC  
4241 WILLIAMSON ROAD  
WILSON, NC 27893

30'-50' WIDE 4/12 PITCH  
ENCLOSED BUILDING  
130 MPH WIND LOAD

PLAN VIEW



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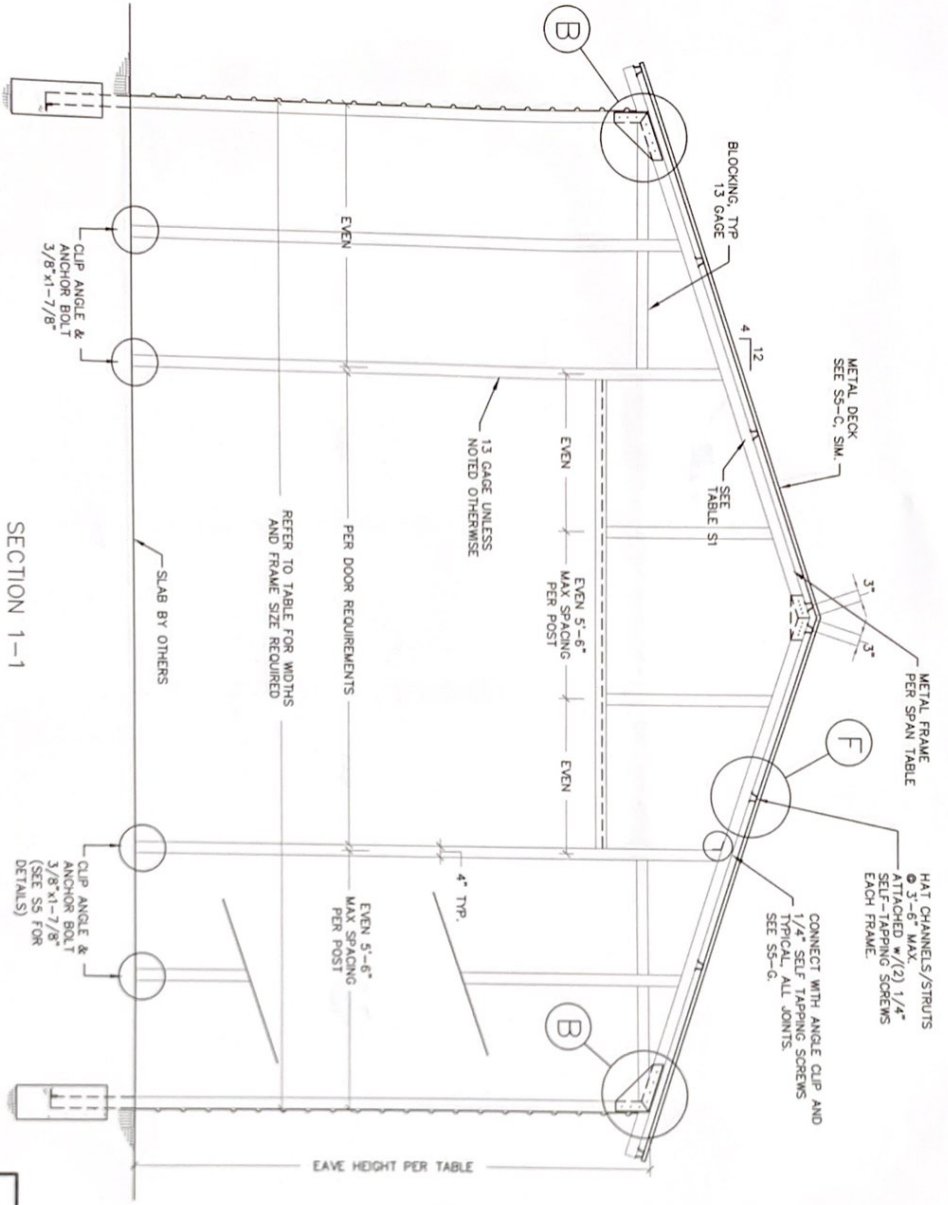
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WILSON, NORTH CAROLINA 27893  
TEL (252)399-0704 FAX (252)399-0804  
CADFILE: 07438015-B

DATE: JUNE 2021  
SCALE: NO SCALE  
CLIENT: CARSTRU

DRAWN BY: LR  
SURVEYED BY:

CAROLINA STRUCTURAL, LLC 4241 WILLIAMSON ROAD WILSON, NC 27893	30'-50' WIDE 4/12 PITCH ENCLOSED BUILDING 130 MPH WIND LOAD	SECTION 2 S2
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SECTION 1-1  
WITH GARAGE DOOR  
NOT TO SCALE

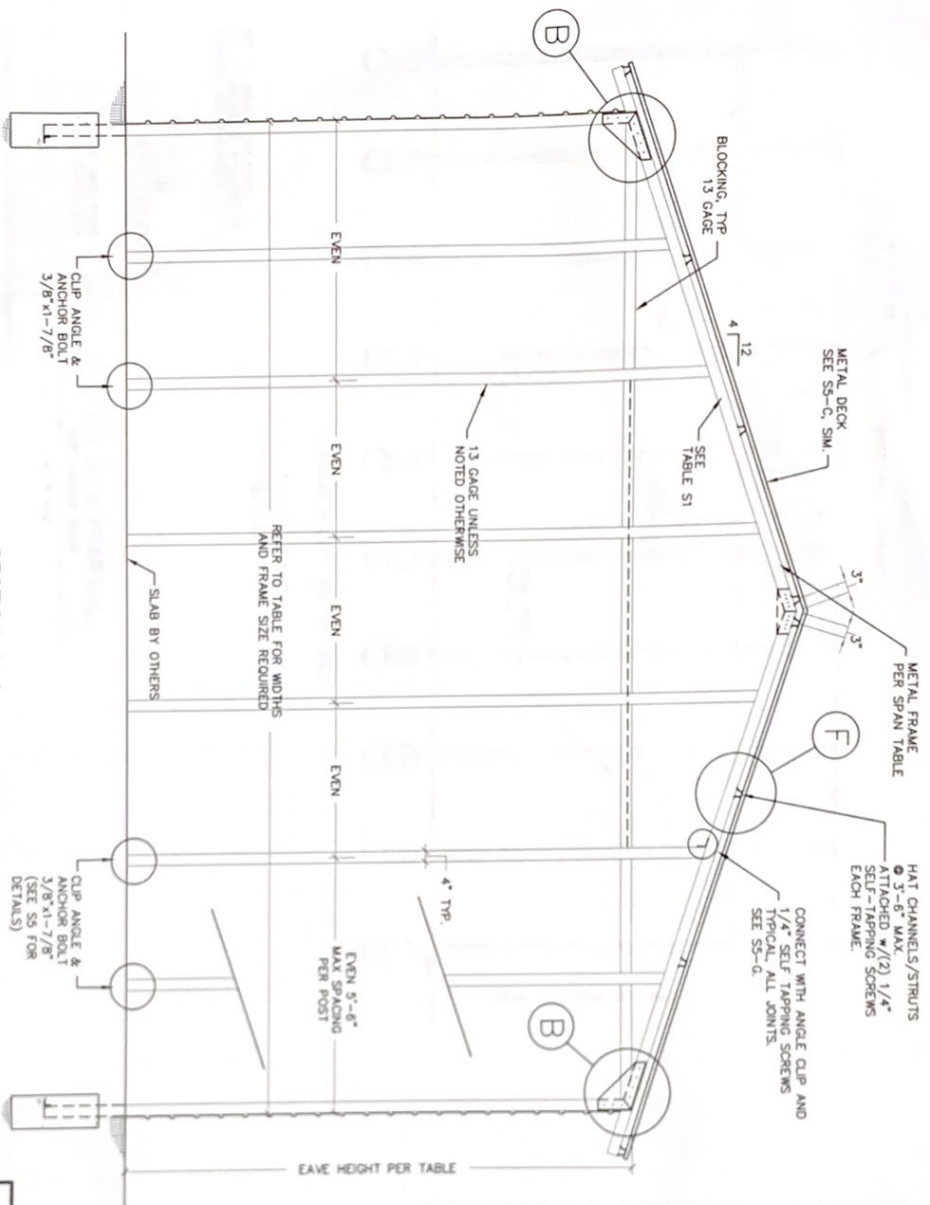
NOTE:  
BLOCKING ATTACHED WITH  
16 GAGE CLIP ANGLE.  
SEE S5 FOR DETAILS



**BARTLETT**  
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1906 NASH STREET NORTH  
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DATE: JUNE 2021 CADFILE: 07438015-C  
SCALE: NO SCALE DRAWN BY: LR  
CLIENT: CARSTRU SURVEYED BY:



SECTION 1-1  
WITHOUT GARAGE DOOR

NOT TO SCALE

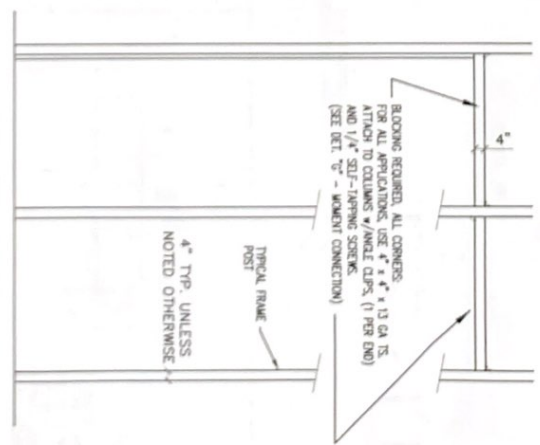
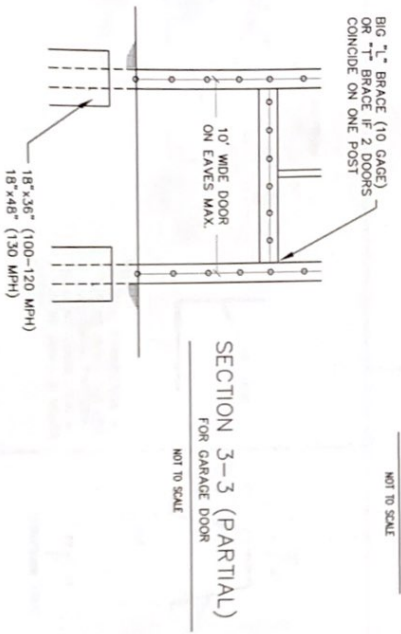
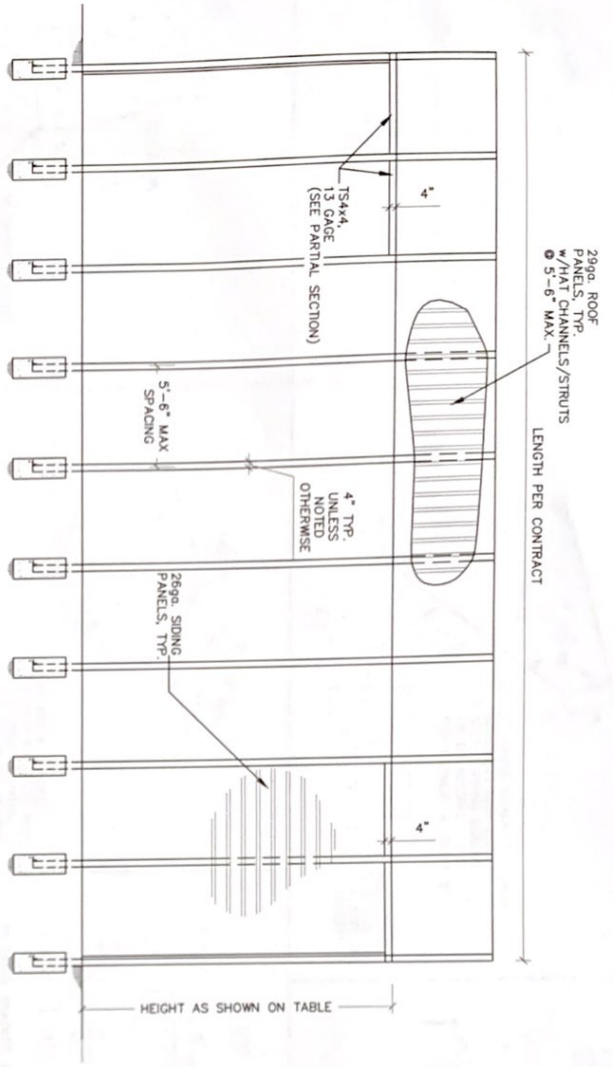
NOTE:  
BLOCKING ATTACHED WITH  
16 GAGE CLIP ANGLE.  
SEE S5 FOR DETAILS



<b>BARTLETT</b>	
ENGINEERING & SURVEYING, PC	
1906 NASH STREET NORTH WILSON, NORTH CAROLINA 27893	
TEL (252)399-0704 FAX (252)399-0804	
DATE: JUNE 2021	CAD/PLT: 07438015-C1
SCALE: NO SCALE	DRAWN BY: LR
CLIENT: CARSTRU	SUPERVISED BY:

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SECTION 1	30'-50" WIDE 4/12 PITCH ENCLOSED BUILDING 130 MPH WIND LOAD	CAROLINA STRUCTURAL, LLC 4241 WILLIAMSON ROAD WILSON, NC 27893
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**BARTLETT**  
**ENGINEERING & SURVEYING, PC**  
 1906 NASH STREET NORTH  
 WILSON, NORTH CAROLINA 27789.3  
 TEL (252) 399-0704 FAX (252) 399-0804  
 DATE: JUNE 2021 CADFILE: 07438075-D  
 SCALE: NO SCALE DRAWN BY: LR  
 CLIENT: CARSTRU SURVEYED BY:



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CAROLINA STRUCTURAL, LLC  
 4241 WILLIAMSON ROAD  
 WILSON, NC 27793

30'-50" WIDE 4/12 PITCH  
 ENCLOSURE BUILDING  
 130 MPH WIND LOAD

SECTION 3

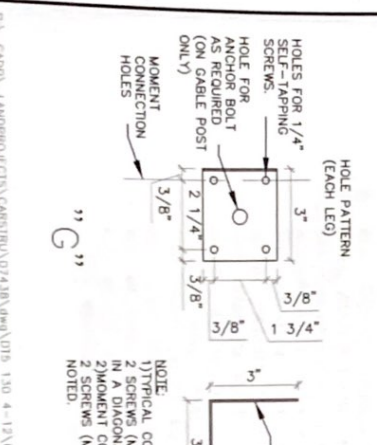
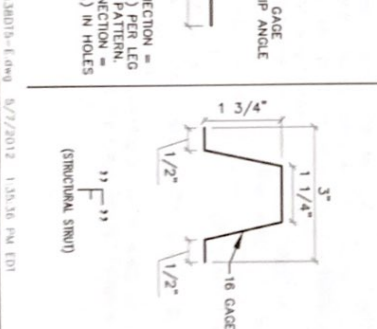
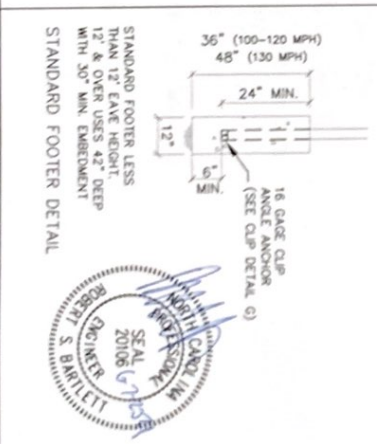
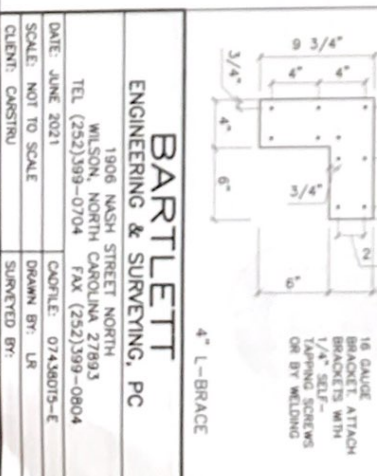
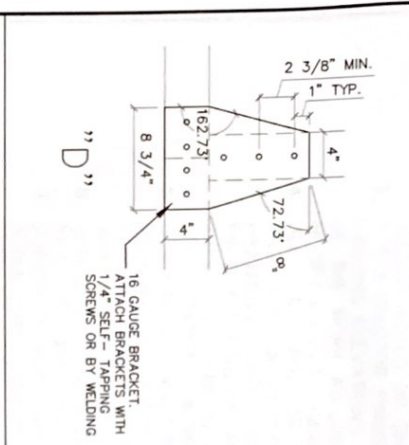
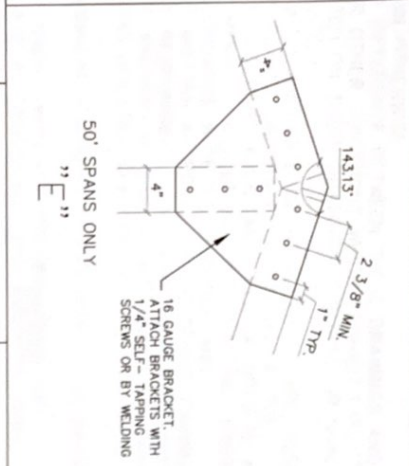
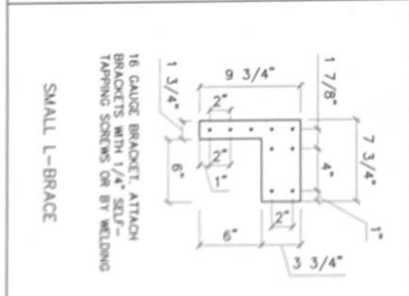
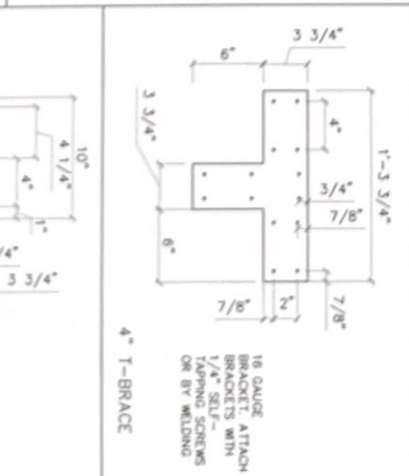
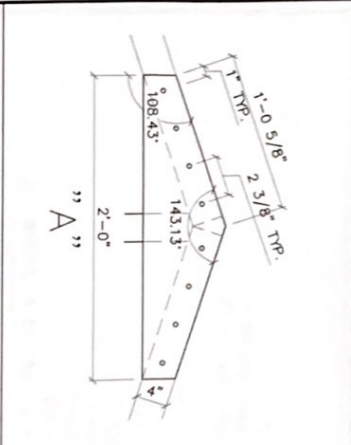
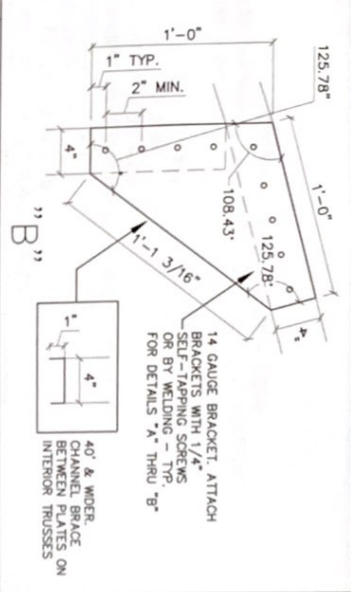
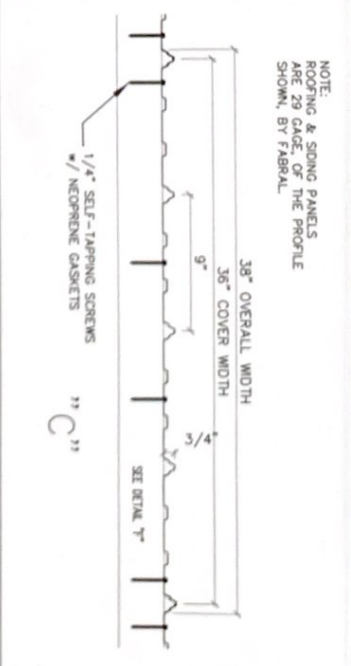
S4

CAROLINA STRUCTURAL, LLC  
4241 WILLIAMSON ROAD  
WILSON, NC 27893

30'-50" WIDE 4/12 PITCH  
ENCLOSED BUILDING  
130 MPH WIND LOAD

DETAILS

SS



SEAL 20106  
ROBERT S. BARTLETT  
REGISTERED PROFESSIONAL ENGINEER  
NO. 10000  
STATE OF NORTH CAROLINA

**BARTLETT**  
ENGINEERING & SURVEYING, PC  
1906 NASH STREET NORTH  
WILSON, NORTH CAROLINA 27893  
TEL (252) 399-0704 FAX (252) 399-0804  
CADFILE: 07438075-E  
DRAWN BY: LR  
CHECKED BY: LR  
SCALE: NOT TO SCALE  
DATE: JUNE 2021  
CLIENT: CARSTRU

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- NOTES:
- DESIGN SPECIFICATION: NORTH CAROLINA STATE BUILDING CODE (LATEST EDITION) AND INTERNATIONAL BUILDING CODE (LATEST EDITION) WITH NORTH CAROLINA AMENDMENTS.  
DESIGN LOAD:

ROOF LIVE LOAD: 20 PSF  
 SNOW LOAD : 20 PSF  
 WIND VELOCITY: 130 MPH  
 FRAME SIZING DETERMINED BY MEMBER STRESS.  
 LL+DL DEFLECTION LIMITED TO L/120.  
 ROOF LL DEFLECTION L/150  
 WALL LL DEFLECTION L/90

- WHERE A DETAIL IS SHOWN ON STRUCTURAL DRAWINGS FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR OR LIKE CONDITIONS, UNLESS NOTED OR SHOWN OTHERWISE.
- IF CONTRACTOR FINDS A DIFFERENCE BETWEEN THESE DRAWINGS AND EXISTING ELEVATIONS, OR OTHER CONDITIONS WHICH PROHIBIT EXECUTION OF THE WORK AS DIRECTED ON THESE DRAWINGS, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
- ALL ITEMS SHALL BE TIGHTLY ANCHORED OR ATTACHED SQUARE, PLUMB AND TRUE, OR IN OTHER PLANES OR SHAPES AS SHOWN ON THE DRAWINGS. JOINTS SHALL BE TIGHT, EVEN, AND FREE OF OFFSETS. NO FIELD ALTERING OF ANY MEMBERS WILL BE ALLOWED THAT WILL CAUSE THEM NOT TO BE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, WITHOUT WRITTEN APPROVAL OF THE DESIGN ENGINEER.
- GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ADEQUATE SHORING, BRACING OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR DAMAGE TO THE STRUCTURE DURING CONSTRUCTION PROCEDURES ASSOCIATED WITH THIS PROJECT.
- CONCRETE: CONCRETE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI.
- CONCRETE WORK SHALL COMPLY WITH ACI "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301) AND APPLICABLE PROVISIONS OF ACI 318.
- ALL FOOTER FOUNDATIONS SHALL BE PLACED ON COMPETENT SOIL.
- DRILL AUGER PILING HOLES IN UNDISTURBED EARTH.
- ALL GALVANIZING SHALL BE PERFORMED AFTER FABRICATION, AND IN ACCORDANCE WITH ASTM A123 AND/OR A153.
- THE MINIMUM YIELD STRENGTH OF THE STEEL USED IN THE LIGHT GAUGE METAL FRAMES SHALL BE 55,000 PSI, FOR RAW OR GALVANIZED TUBES.
- THE MINIMUM YIELD STRENGTH OF THE STEEL USED FOR THE LIGHT GAUGE METAL DECK SHALL BE 80,000 PSI. DECKING PANELS SHALL COVER THREE SPANS, MINIMUM.
- THE LIGHT GAUGE METAL FRAMES AND DECK SHALL BE OF THE GAUGE INDICATED ON THE PLAN/DETAILS.
- ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1.
- ALL WELDS SHALL BE COATED WITH GALVANIZE PRIMER & PAINT AFTER WELDING.

**BARTLETT**  
 ENGINEERING & SURVEYING, PC

1906 NASH STREET NORTH  
 WILSON, NORTH CAROLINA 27789.3  
 TEL (252)399-0704 FAX (252)399-0804  
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 SCALE: NO SCALE DRAWN BY: LR  
 CLIENT: CAGSTRIBU SURVEYED BY:



CAROLINA STRUCTURAL, LLC  
 4241 WILLIAMSON ROAD  
 WILSON, NC 27783

30'-50" WIDE 4/12 PITCH  
 ENCLOSED BUILDING  
 130 MPH WIND LOAD

SPECIFICATIONS

S6