



P.O. Box 930220
Verona, WI 53593-0220
(608) 845-9700
fax: (608) 845-7070



9/29/20

To whom it may concern:

Thank you for purchasing your new building from Cleary Building Corp. Please review the attached building plans and the building design with your Cleary Building Sales Specialist. If the plans are satisfactory as drawn, please sign and date each page on one set of plans as "Approved for Construction" as well as this attached cover letter. Your Building Sales Specialist will return the signed plans to the Engineering Department at our corporate office in Verona, Wisconsin. Please keep the second set of plans for your personal records.

While reviewing the plans with your Cleary Building Sales Specialist, please pay special attention to the following items:

- Are all steel, trim, soffit, etc. colors correct?
- Are all door and window locations correct?
- Are the number of doors and windows shown correct?
- Are the sizes of the doors and windows correct?
- Are the bottom elevations of all doors and windows correct?
- Are all truss clearances correct?
- Please note that unless part of a sub-contract, all overhead doors are by others.
- 2nd floor supporting stud walls and wall insulation in the exterior wall will need to be installed prior to interior wall nailers

"PLEASE MAKE A NOTE ON THE PLANS OF ANY OTHER DESIGN REQUIREMENTS. IF THE NOTE(S) CHANGE ANYTHING IN THE CONTRACT THEN A CHANGE ORDER WILL BE REQUIRED"

(Please note the Owner-Sign-Off plans are not a part of the Cleary Building Corp. contract and any changes to the building as drawn will need to be submitted on a signed change order.)

Upon receipt of the signed "Approved for Construction" plans, we can continue the process for your new Cleary building. Please be aware we cannot proceed until we have your final approval on the building plans.

Thank you.

Sincerely,


Matthew B. Lawinger
Professional Engineer
mlawinge@clearybuilding.com

cc:
Cleary Building Sales Specialist
Branch Manager
Region Manager
2018105166

APPROVED FOR CONSTRUCTION

Date: _____ By: _____

Note: Before signing, please answer all questions listed above. Thank you.

GENERAL NOTES AND SPECIFICATIONS

- The materials and labor shown on these plans that are provided by Cleary Building Corp. are limited to those materials and labor as defined by the Cleary Building Corp. contract. Additional materials or accessories that are not being provided by Cleary Building Corp. may be shown on plans for context or building code compliance.
- This building is designed in accordance with the following codes and specifications:
 2018 North Carolina Building Code (NCBC)
 2018 Edition Of "National Design Specifications for Wood Construction"

 Use Group(s) Classification: _____ R3/U
 Building Use: _____ Shop/Residence
 Type of Construction: _____ Type VB
 Building Gross Square Footage: _____ 3,360 Sq. Ft.

 Building Design Loads:
 Design Truss Load: _____ 34 PSF Total Load
 Design Snow Load: _____ 15 PSF Ground Snow Load (P_g)
 _____ 20 PSF (for balanced roof snow load)

 Design Wind Speed: _____ 115 MPH (EXP C)
 Seismic Use Group: _____ I
 Seismic Design Category: _____ C

 Maximum Considered Earthquake Ground Motion for:
 0.2 Second Spectral Response (S_s): _____ 20.00%g
 1.0 Second Spectral Response ($S_{1.0}$): _____ 9.20%g
- All lumber, unless noted otherwise, shall be S4S #2 SPF or better. All lumber embedded in the ground shall be treated with Chromated Copper Arsenate to a retention level of .60 lbs. per cubic foot.
- Grading should be such that the surface water is drained away from the foundation. Minimum grade would be six inches of vertical drop per ten feet of horizontal away from the foundation (5%).
- Fill used for concrete floor slab sub grade, if present, shall be reasonably graded granular material. Fill used in columns holes shall be the excavated soil unless noted otherwise. All fill shall be free from debris, stones over 4" and frozen material.
- Electrical work is not a part of this drawing and shall be installed as per applicable codes.
- Heating, ventilating, and air conditioning work is not a part of this drawing and shall be installed as per applicable codes.
- Plumbing work is not a part of this drawing and shall be installed as per applicable codes.
- All nails are to be threaded hardened steel unless otherwise noted.
- This design is based on a building site with clay, sandy silt, silty clay, clayey silt, sandy silt soil. As per the IBC building code and Referenced Standard ASAE 486.1, an assumed soil bearing design value of 1000 psf with increases for depth and width has been used in this design. If information is discovered before or during construction contrary to this, the building designer should be contacted.

NOTE:
 This building, as depicted, must be constructed 5 feet or more from any and all lot lines and 10 feet or more from any other buildings on the same lot. See IBC code and/or the local building official for exceptions.

NOTE:
 This document, as presented and sealed, is not intended to be, nor should it be construed as such, a complete building design. It is intended to represent just the building itself. The design of the electrical, mechanical, plumbing, and site drainage are excluded from this plan. It should also be noted that the designer is unaware of any subsoil investigation reports. Footings have been sized on assumed values as per note 10.0 under General Specifications and Notes. The designer excludes determination that the assumed soil conditions are present at the site. If a concrete floor will be installed, the design of the concrete floor is not part of these plans, nor is it intended to be. If shown, the concrete floor is only depicted to show its location with respect to related components of the building. The client or general contractor is encouraged to contract with other professional engineers or architects for the design of the concrete floor and its subgrade.

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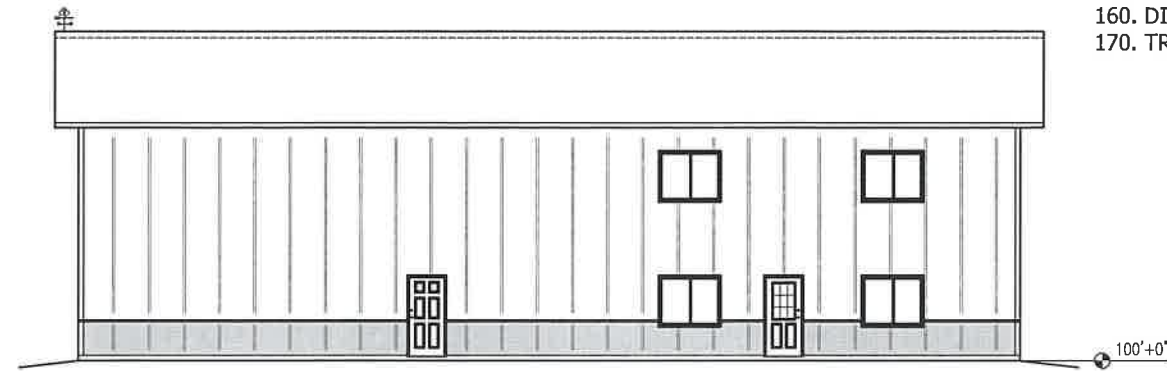
- 110. ELEVATIONS
- 120. FLOOR PLAN
- 130. TYPICAL SECTION "A"
- 131. TYPICAL SECTION "B"
- 140. HEADER DETAILS
- 150. DIAGONAL BRACING DETAILS
- 151. SHEAR TRUSS BRACING DETAILS
- 152. SHEAR TRUSS DIAGRAMS
- 160. DIAPHRAGM ACTION and MISC. DETAILS
- 170. TRUSS DIAGRAMS



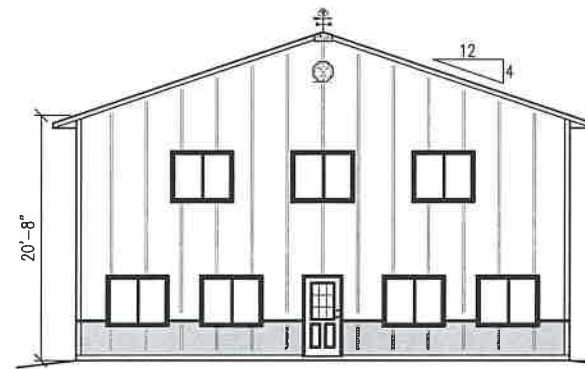
190 PAOLI STREET / P.O. BOX 930220
 VERONA, WI 53593 / (800) 373-5550

DRAWN BY: ZIESE
 DATE DRAWN: 9/21/2020

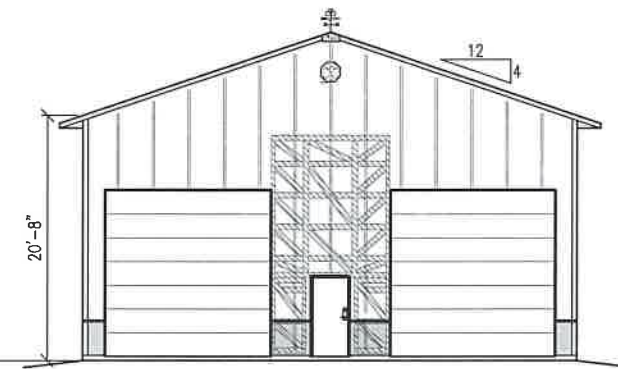
PLAN REVISIONS:		
NUMBER	DATE	BY
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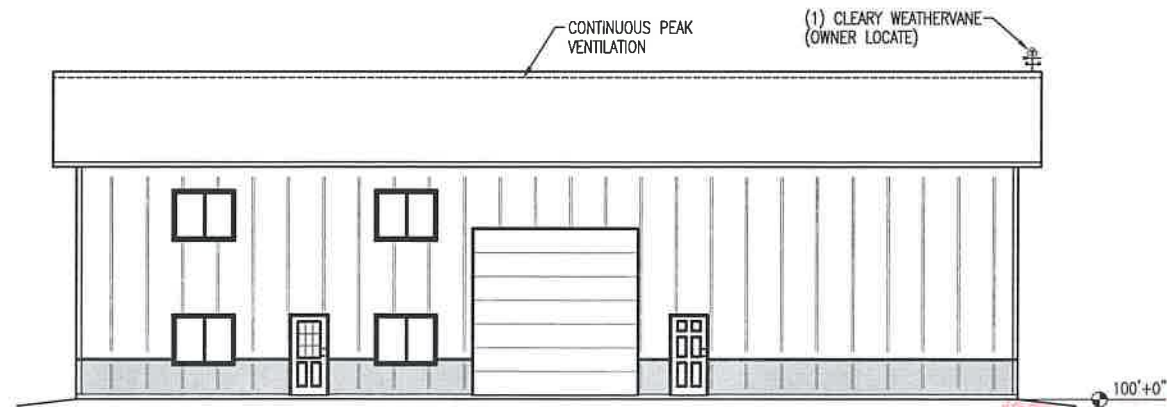
NORTH ELEVATION



WEST ELEVATION



EAST ELEVATION

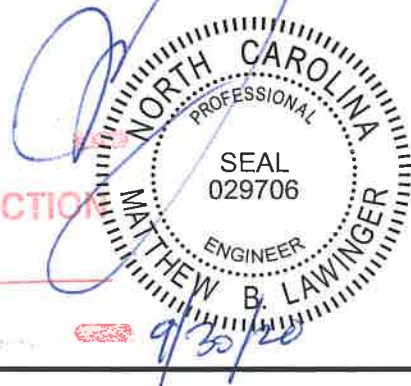


SOUTH ELEVATION

PROJECT NAME: **AQUA SKY LLC., CALEB KAUFMAN**
 PROJECT SITE ADDRESS: **702 NORTH SILVER STREET
 ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY**
 BUILDING SIZE: **42'x80'x20'-8"**
 SHEET NAME: **ELEVATIONS**

PROJECT NUMBER: **2018105166**
 SHEET NUMBER: **110**
 SHEET SCALE: **NONE**

APPROVED FOR CONSTRUCTION
 DATE _____ BY _____



COLUMNS	COLUMN SIZE	HOLE DEPTH	HOLE DIAMETER	FOOTING SIZE	NUMBER OF COLUMNS REQUIRED
(A) SIDEWALL	4-PLY 2x8x26'-0"	5'-6"	24"φ	AGCO FP-24 FOOTING PAD (SEE NOTE)	14
(B) DOOR	4-PLY 2x8x26'-0"	6'-1"	18"φ	9"x18"φ CONCRETE (SEE NOTE)	1
(C) SIDEWALL	4-PLY 2x8x26'-0"	5'-10"	30"φ	AGCO FP-24 FOOTING PAD (SEE NOTE)	1
(D) CORNER	4-PLY 2x8x26'-0"	6'-1"	18"φ	9"x18"φ CONCRETE (SEE NOTE)	6
(E) ENDWALL	4-PLY 2x8x28'-8"	6'-1"	18"φ	9"x18"φ CONCRETE (SEE NOTE)	4
(F) ENDWALL	4-PLY 2x8x31'-4"	6'-1"	18"φ	9"x18"φ CONCRETE (SEE NOTE)	4
(G) ENDWALL	4-PLY 2x8x26'-7"	6'-1"	18"φ	9"x18"φ CONCRETE (SEE NOTE)	2
(H) ENDWALL	4-PLY 2x8x30'-11"	7'-0"	30"φ	AGCO FP-24 FOOTING PAD (SEE NOTE)	2
(I) ENDWALL	4-PLY 2x8x32'-4"	6'-1"	18"φ	9"x18"φ CONCRETE (SEE NOTE)	2

- NOTES:**
- FIELD VERIFY ALL DOOR AND WINDOW ROUGH OPENING SIZES PRIOR TO INSTALLING FRAME-OUTS
 - ATTACH ALL ROOF, SIDE, END AND GABLE STEEL WITH PAINTED SCREWS
 - ENDWALL COLUMNS ARE 3-PLY TO THE BUILDING EAVE HEIGHT AND SINGLE PLY FROM THERE TO THE ROOF PLANE
 - 2x6 STANDARD DIAGONAL CORNER BRACING AT ALL CORNERS (UNLESS OTHERWISE NOTED)
 - 2x6 JACKBRACING AT ENDWALL COLUMNS (SEE DIAPHRAGM ACTION and MISC. DETAILS SHEET)
 - 2x4 PURLIN BLOCKING AT ENDWALL TRUSSES
 - 2x4 CORNER BLOCKING TO BE INSTALLED AT ALL CORNERS
 - (X) = BAYS WITH 2x4 ROOFLINE X-BRACING (SEE DIAPHRAGM ACTION and MISC. DETAILS SHEET)

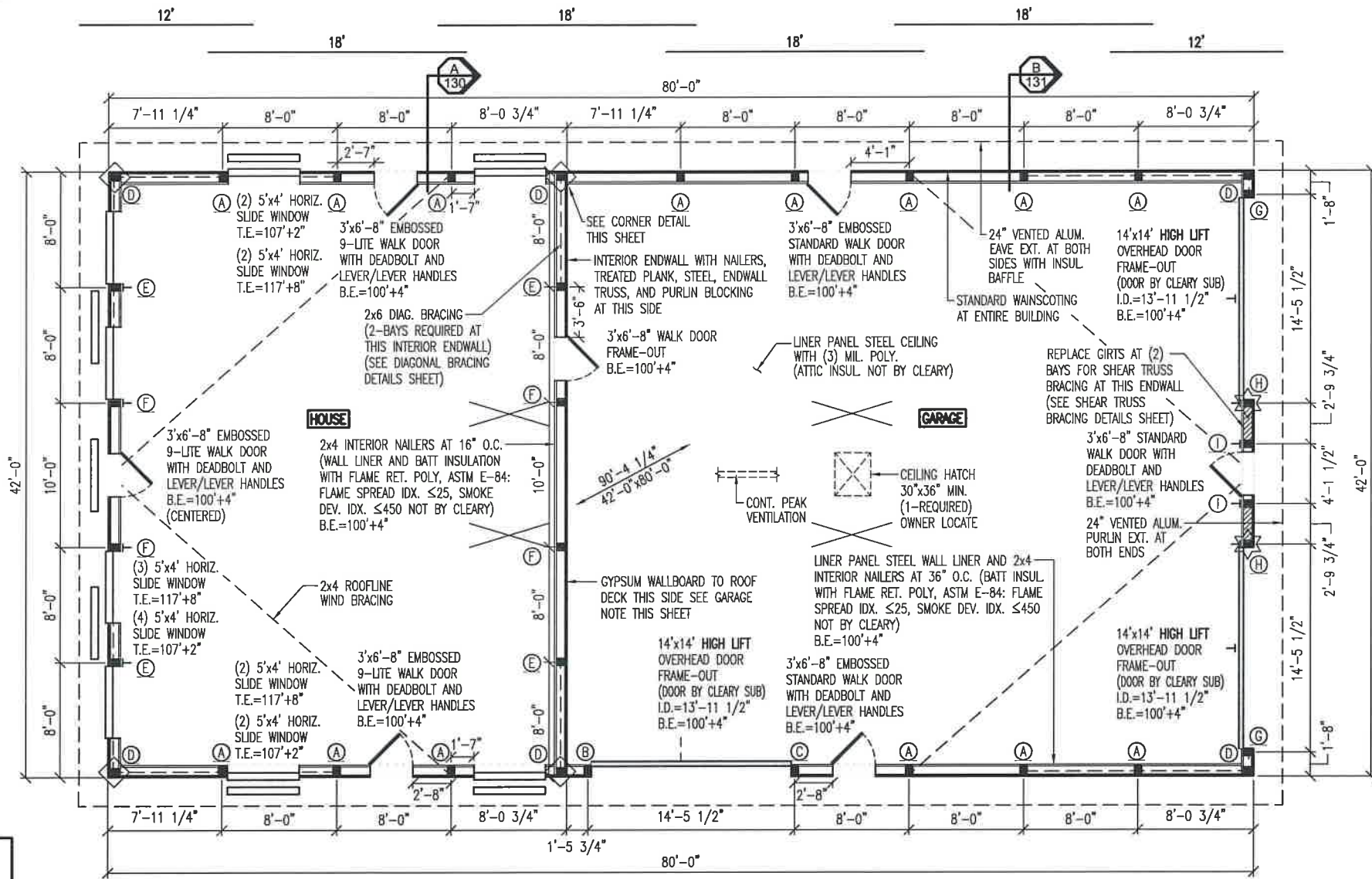
BUILDING COLORS		BUILDING ACCESSORIES
ROOF:	RED	(1) CLEARY WEATHERVANE (OWNER LOCATE)
SIDES/GABLES:	HICKORY MOSS	INSIDE FILLER STRIP AT TREATED PLANK
WAINSCOT:	SIERRA	INSIDE FILLER STRIP AT EAVE (ROOF AND SIDE)
SLIDE DOOR(S):	---	INSIDE FILLER STRIP AT TOP AND BOTTOM OF Z-TRIM AT WAINSCOTING
TRIM (TYP.):	SEE NOTE	TYVEK HOUSE WRAP AT WINDOWS AND IN ROOFLINE OF HOUSE
F&J TRIM:	SEE NOTE	

NOTE:
9"x18"φ CONCRETE = (2) 60# BAGS OF SACKCRETE PLACED UNDER 4"x14"φ PRECAST FOOTING AS SHOWN

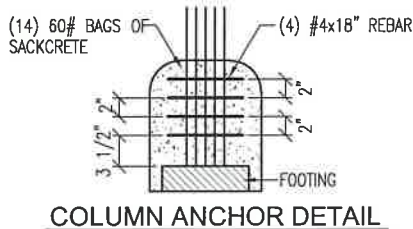
NOTE:
82 TOTAL BAGS OF SACKCRETE REQUIRED FOR FOOTINGS AND COLUMN ANCHORAGE

NOTE: TRIM COLOR
WAINSCOT CORNER TRIM, WAINSCOT AZ-2 TRIM, WAINSCOT BOTTOM TRIM, OVERHEAD J-TRIM, WALK DOOR J-TRIM, AND WINDOW J-TRIM TO BE SIERRA. F&J TRIM TO BE HICKORY MOSS. ALL REMAINING TRIM TO BE RED.

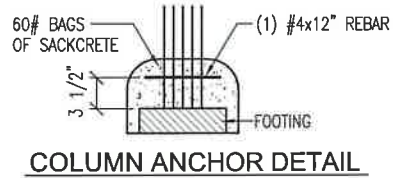
PURLIN LAYOUT



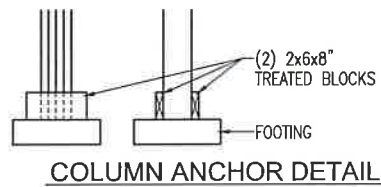
☆ = ANCHOR COLUMNS WITH (14) 60# BAGS OF SACKCRETE AND (4) #4x18" REBAR FOR UPLIFT
NOTE: COLUMN SETS ON TOP OF FOOTING - CHECK COLUMN CHART FOR EXACT FOOTING SIZE REQUIREMENTS



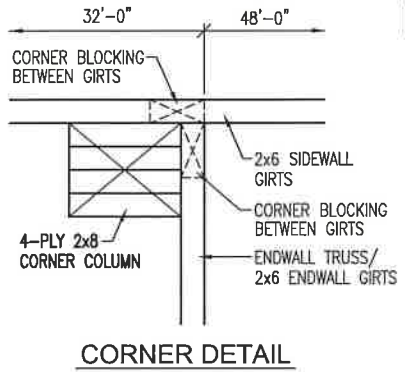
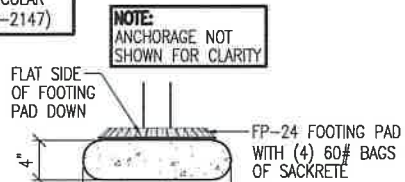
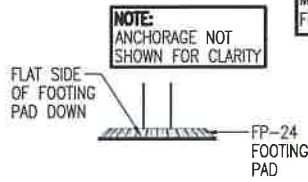
◇ = ANCHOR COLUMNS WITH (3) 60# BAGS OF SACKCRETE AND (1) #4x12" REBAR FOR UPLIFT
NOTE: COLUMN SETS ON TOP OF FOOTING - CHECK COLUMN CHART FOR EXACT FOOTING SIZE REQUIREMENTS



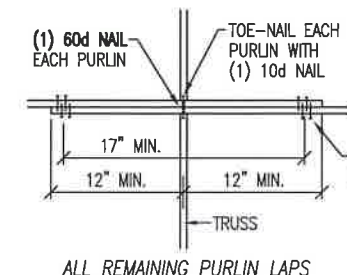
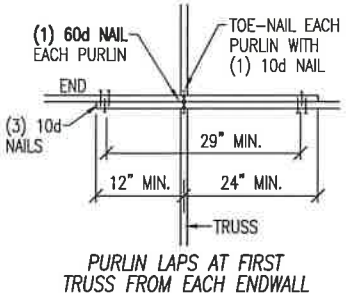
UNLESS OTHERWISE NOTED ANCHOR ALL COLUMNS WITH (2) 2x6x8" TREATED BLOCKS ATTACHED TO COLUMN WITH (3) 20d NAILS PER EACH BLOCK FOR UPLIFT
NOTE: COLUMN SETS ON TOP OF FOOTING - CHECK COLUMN CHART FOR EXACT FOOTING SIZE REQUIRED



GARAGE NOTE:
Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with either solid wood doors not less than 1 3/8 inches in thickness, solid core steel doors not less than 1 3/8 inches in thickness or 20-minute fire-rated door. The garage shall be separated from the residence by means of a minimum of 1/2 inch gypsum board (GWB) on the garage side of the wall. The 1/2 inch GWB shall either extend from floor to roof or shall cover the garage ceiling and the interior face of walls that support the ceiling. Garage and carport floor surfaces shall be of approved noncombustible material. That area of floor used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to a drain or toward the main vehicle entry doorway.



CONT. PURLIN DESIGN
CONSTRUCTION FOREMAN NOTE:
BE SURE TO MAINTAIN THE OVERALL LAP DISTANCE AND THE SPACING FROM PURLIN END TO CENTER OF TRUSS AS SHOWN



190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: ZIESE
DATE DRAWN: 9/21/2020

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
AQUA SKY LLC., CALEB KAUFMAN

PROJECT SITE ADDRESS:
702 NORTH SILVER STREET
ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY

BUILDING SIZE:
42'x80'x20'-8"

SHEET NAME:
FLOOR PLAN

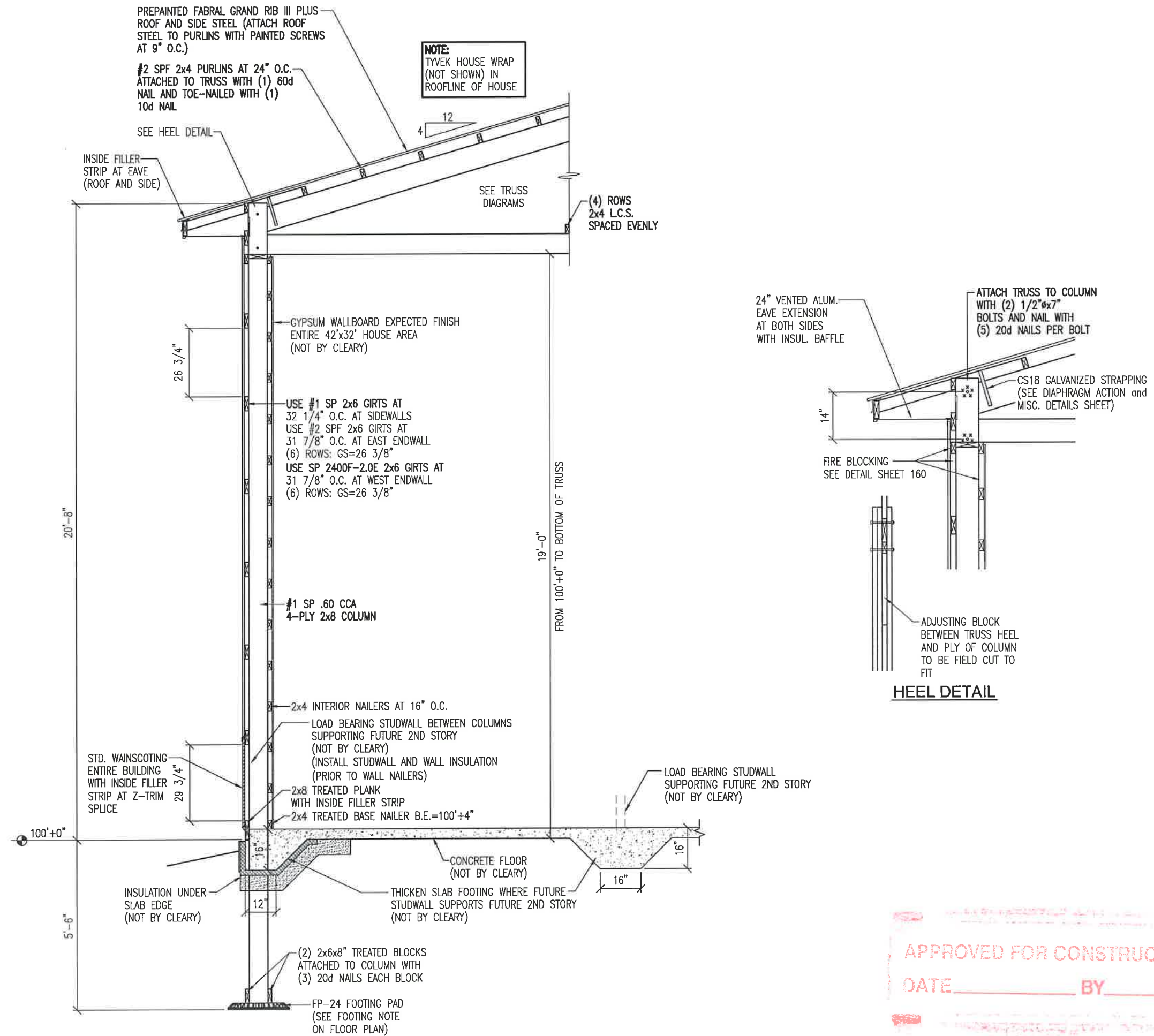
PROJECT NUMBER:
2018105166

SHEET NUMBER:
120

SHEET SCALE: NONE



APPROVED FOR CONSTRUCTION
DATE _____ BY _____



NUMBER	DATE	BY
1		
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PROJECT NAME:
AQUA SKY LLC., CALEB KAUFMAN

PROJECT SITE ADDRESS:
 702 NORTH SILVER STREET
 ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY

BUILDING SIZE:
 42'x80'x20'-8"

SHEET NAME:
 TYPICAL SECTION "A"

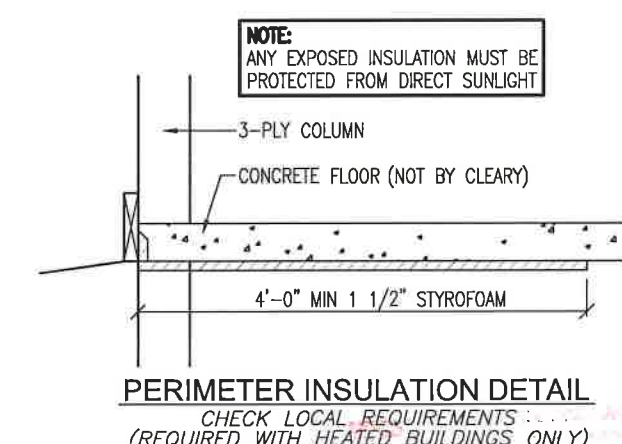
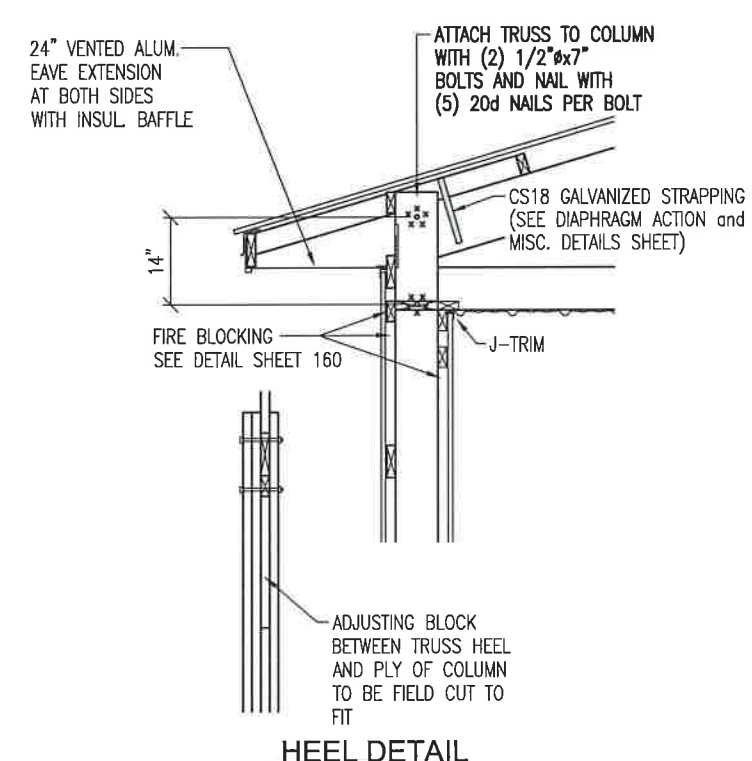
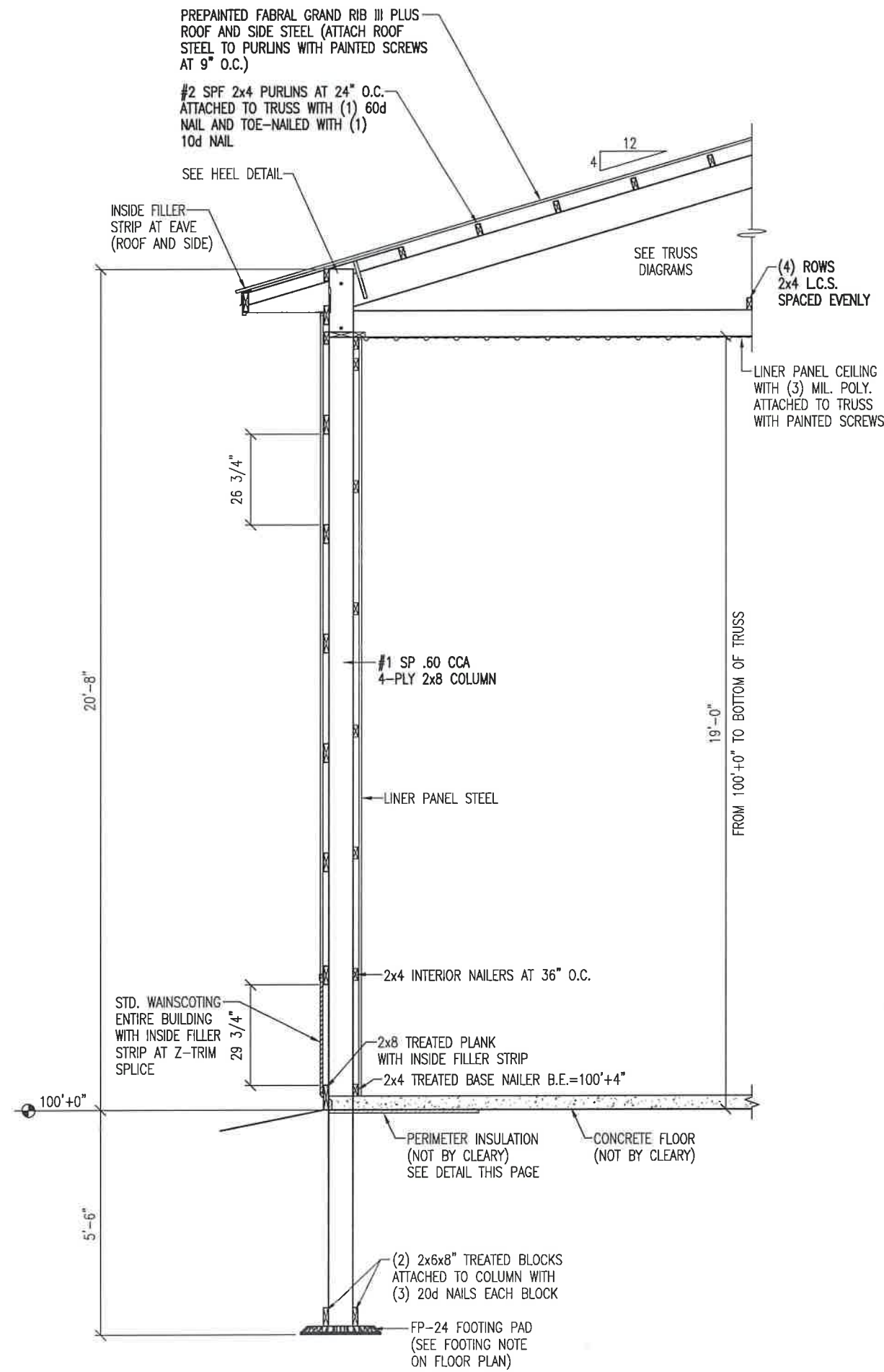
PROJECT NUMBER:
2018105166

SHEET NUMBER:
130

SHEET SCALE: NONE

APPROVED FOR CONSTRUCTION
 DATE _____ BY _____





APPROVED FOR CONSTRUCTION
 DATE _____ BY _____

NUMBER	DATE	BY
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PROJECT NAME: **AQUA SKY LLC., CALEB KAUFMAN**
 PROJECT SITE ADDRESS: **702 NORTH SILVER STREET
 ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY**
 BUILDING SIZE: **42'x80'x20'-8"**
 SHEET NAME: **TYPICAL SECTION "B"**

PROJECT NUMBER: **2018105166**

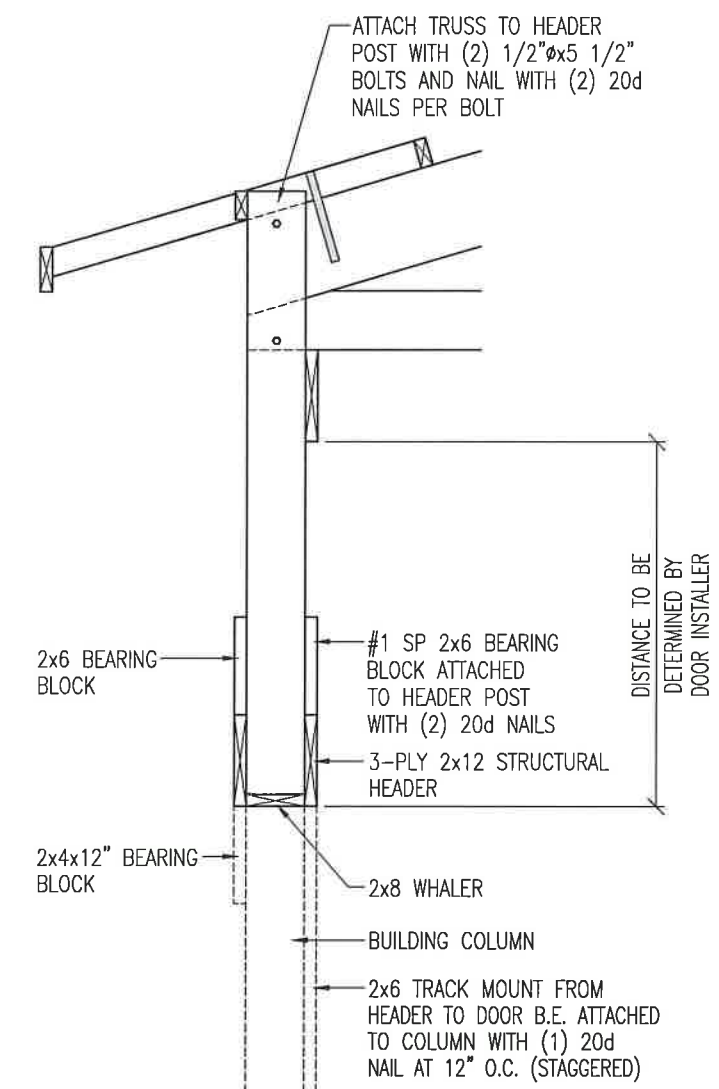
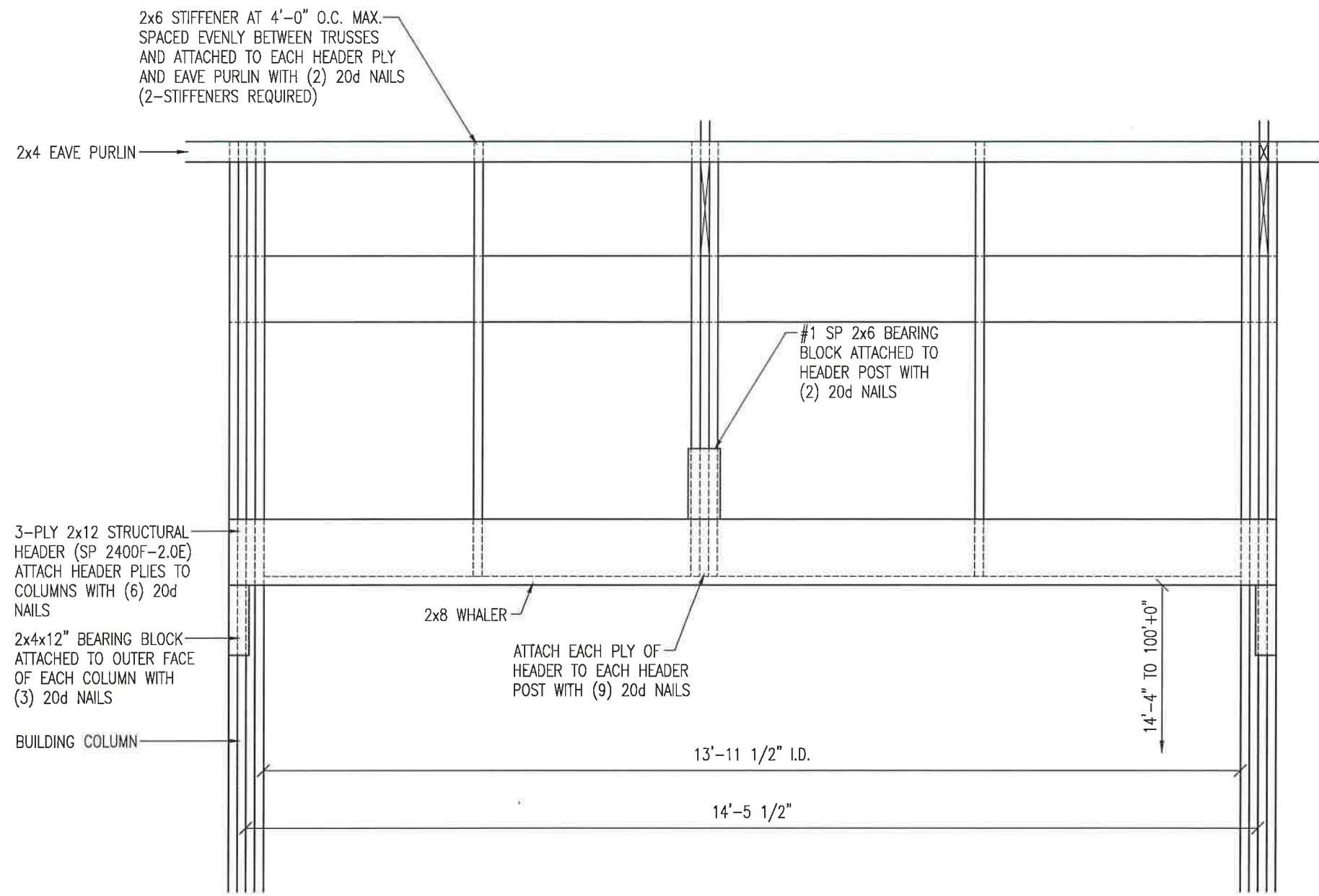
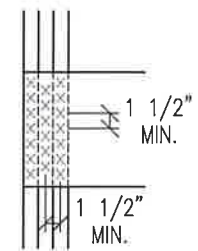
SHEET NUMBER: **131**

SHEET SCALE: **NONE**



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NOTE--NAILING ALTERNATIVE:
INSTALL (2) 3 1/2" x .131RS GUN NAILS FOR EACH 20d NAIL SPECIFIED (USE 20d NAILS IF NUMBER OF GUN NAILS REQUIRED REDUCES THE SPACING IN A VERTICAL OR HORIZONTAL ROW TO LESS THAN 1 1/2" AT A HEADER POST OR COLUMN AS SHOWN)



14'x14' OVERHEAD DOOR HEADER DETAIL
VIEW FROM OUTSIDE OF BUILDING

SECTION AT HEADER POST

PROJECT NAME: **AQUA SKY LLC., CALEB KAUFMAN**
PROJECT SITE ADDRESS: **702 NORTH SILVER STREET
ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY**
BUILDING SIZE: **42'x80'x20'-8"**
SHEET NAME: **HEADER DETAILS**

PROJECT NUMBER: **2018105166**
SHEET NUMBER: **140**
SHEET SCALE: **NONE**

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

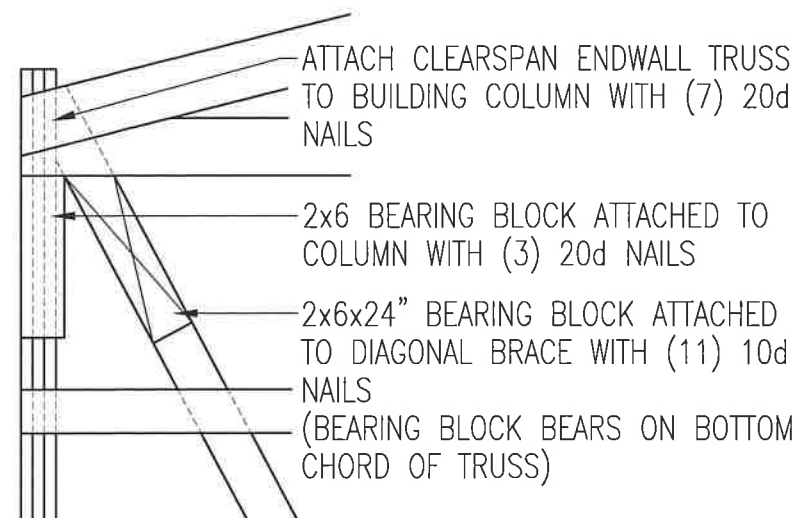


DRAWN BY: ZIESE

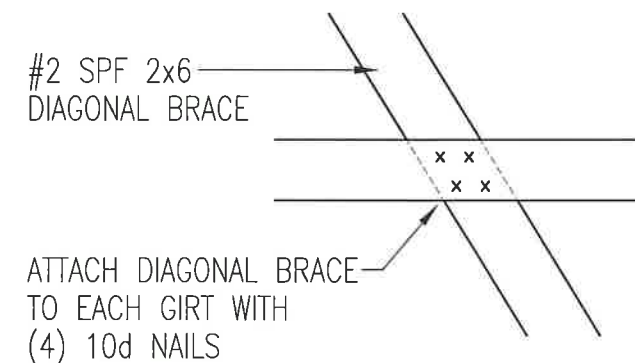
DATE DRAWN: 9/21/2020

PLAN REVISIONS:

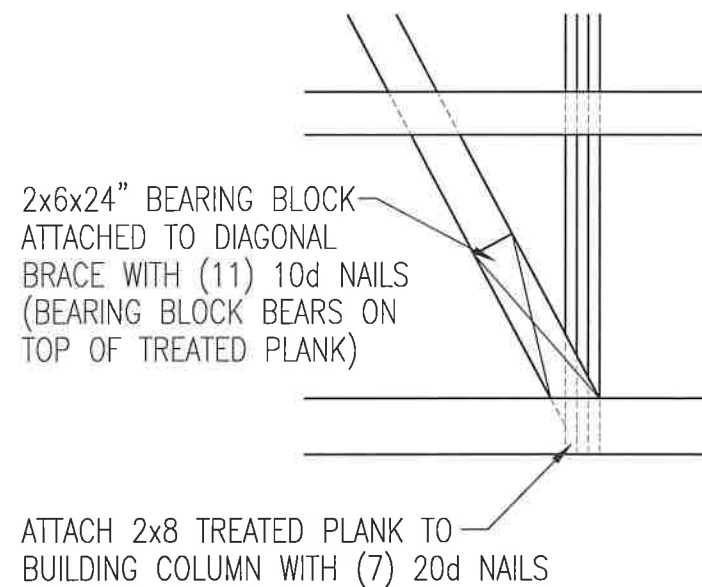
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BRACE CONNECTION DETAIL
AT TOP OF BRACE AT CORNER COLUMN



BRACE TO GIRT CONNECTION DETAIL



BRACE CONNECTION DETAIL
AT BOTTOM OF BRACE AT ENDWALL COLUMN

ENDWALL DIAGONAL BRACING DETAIL
AT INTERIOR ENDWALL

PROJECT NAME:
AQUA SKY LLC., CALEB KAUFMAN

PROJECT SITE ADDRESS:
702 NORTH SILVER STREET
ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY

BUILDING SIZE:
42'x80'x20'-8"

SHEET NAME:
DIAGONAL BRACING DETAILS

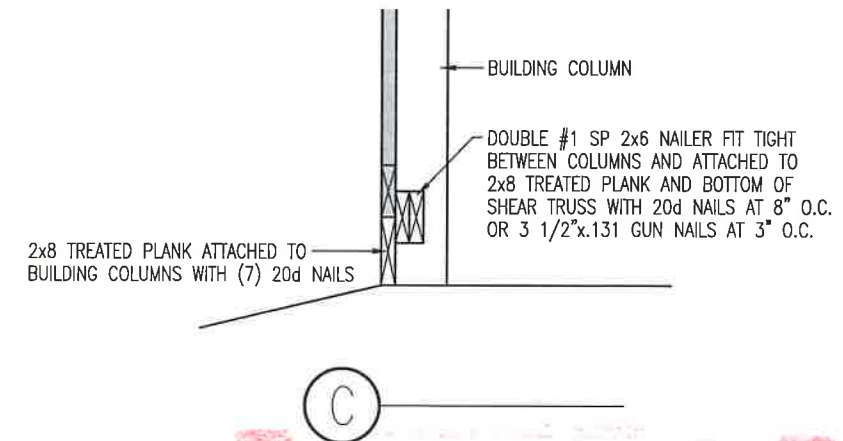
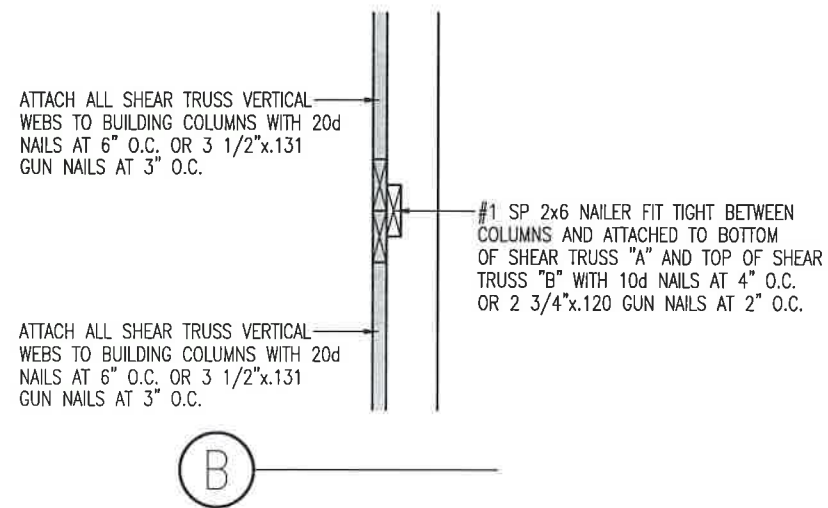
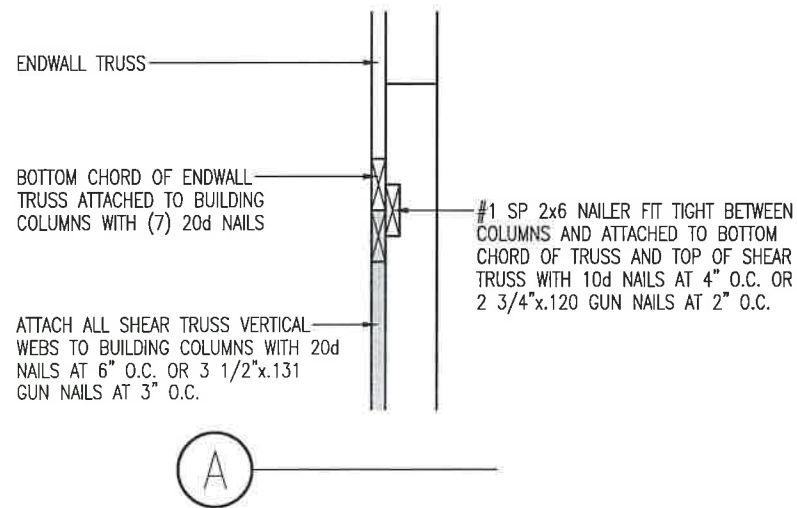
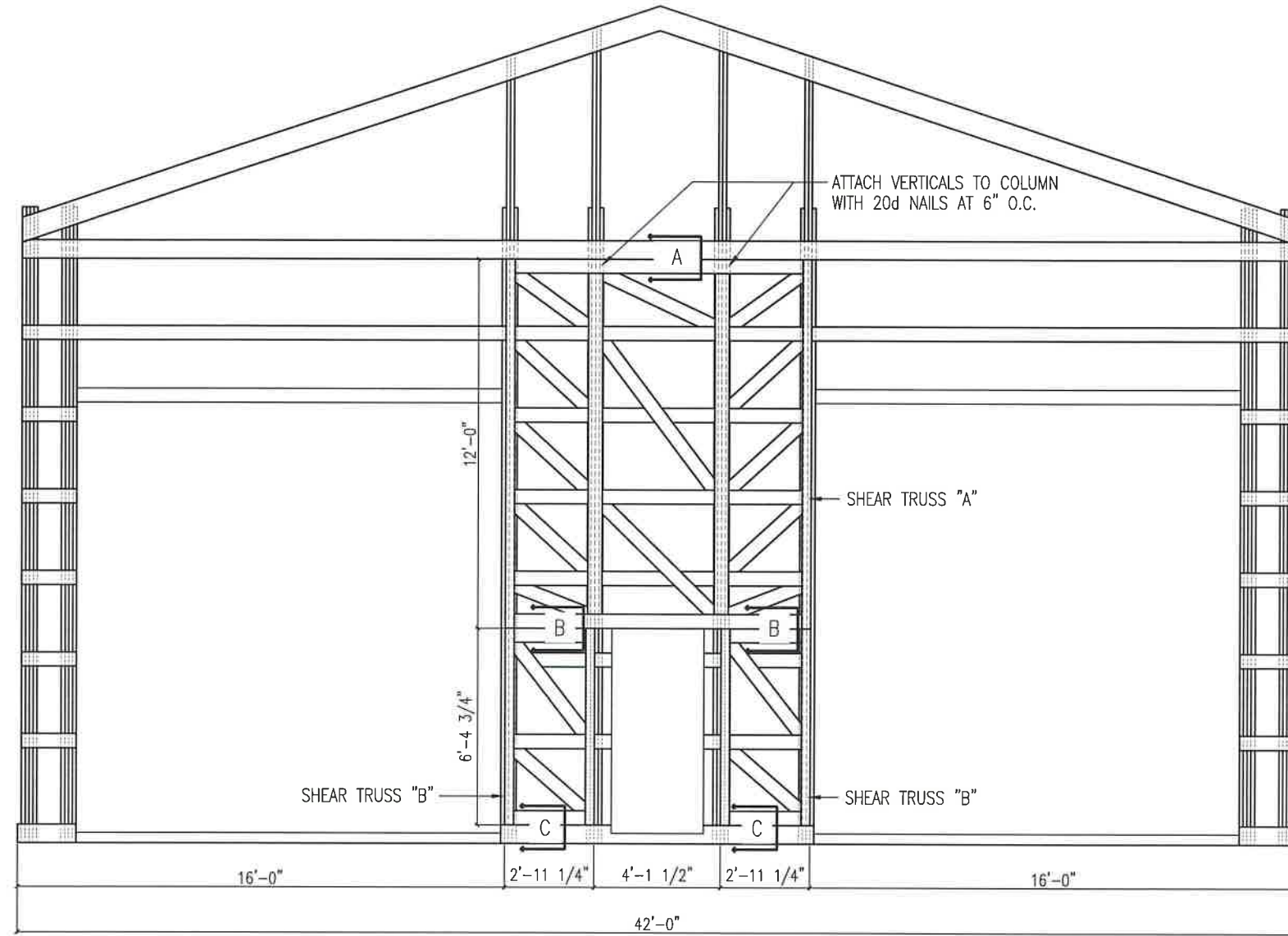
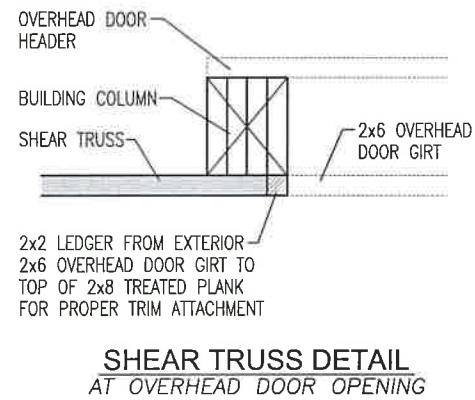
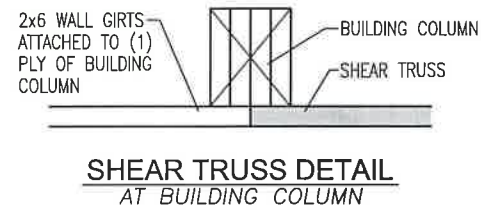
PROJECT NUMBER:
2018105166

SHEET NUMBER:
150

SHEET SCALE: NONE

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

NORTH CAROLINA
PROFESSIONAL
SEAL
029706
ENGINEER
MATTHEW B. LAWINGER
9/30/20



APPROVED FOR CONSTRUCTION
 DATE _____ BY _____

NUMBER	DATE	BY
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PROJECT NAME:
AQUA SKY LLC., CALEB KAUFMAN

PROJECT SITE ADDRESS:

702 NORTH SILVER STREET
 ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY

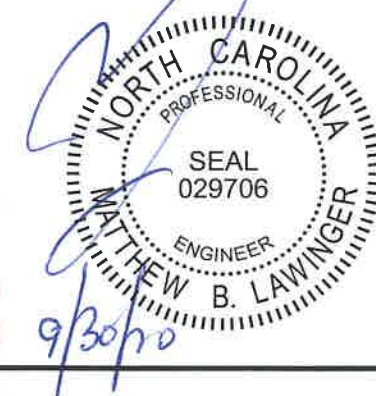
BUILDING SIZE:
 42'x80'x20'-8"

SHEET NAME:
 SHEAR TRUSS BRACING DETAILS

PROJECT NUMBER:
2018105166

SHEET NUMBER:
151

SHEET SCALE: NONE



SHEAR TRUSS "A"

SHEAR TRUSS "B"

SEON: 492301 FROM: MJS FLAT Qty: 1 Job Number: 2018105166 Truss Label: SA10-0X11-11-12SHEAR3500

Sheet R 7054 Job: 1W2270540007 T85 DwnNo: 272.20.1003.27573 DJR / BAF 09/28/2020

Loading Criteria (psf)	Wind Criteria	Snow Criteria (PsF in PSP)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 1.00 TCCL: 1.00 BCLL: 0.00 BCDL: 1.00	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Cat: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist: NA ft Loc. from endwall: NA I: NA GCF: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pr: NA Ce: NA Lu: NA Ca: NA Snow Duration: NA Building Code: IBC 2015 TPI Std: 2014 Rep Fac: No FT/RT/PT: 20/20/10(10)/4(0) Plate Type(s): WAVE, 18SS	PP Deflection in Loc L'def L# VERT(LL): 0.026 C 999 240 VERT(CL): 0.026 C 999 180 HORZ(LL): -0.021 D HORZ(TL): 0.021 D Creep Factor: 2.0 Max TC CSI: 0.410 Max BC CSI: 0.991 Max Web CSI: 0.888 VIEW Ver: 18.02.01A.0205.19	Loc R+ / R- / Rh / Rw / U / R/L I - / - / - / 1861 / 1843 / 447 F - / - / - / 1861 / 1843 / 452 I Brg Width = 3.5 Min Req = 3.5 F Brg Width = 3.5 Min Req = 3.5 Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 608 - 608 C - D 773 - 774 B - C 2393 - 2394

Additional Notes: Refer to General Notes for additional information. Negative reaction(s) of -1843# MAX. Requires uplift connection. See Maximum Reactions.

Bracing: (a) Continuous lateral restraint equally spaced on member.

Special Loads: (Lumber Dur.Fac.=1.60 / Plate Dur.Fac.=1.60)
TC: From 1 psf at 0.00 to 1 psf at 9.42
PLT: From 372 psf at 0.00 to 372 psf at 9.42
BC: From 1 psf at 0.00 to 1 psf at 9.42
PLB: From -372 psf at 0.00 to -372 psf at 9.42
HPL: From 372 psf at 19.98 to 372 psf at 8.00
HPL: From -372 psf at 8.00 to -372 psf at 19.98
TC: 4055 lb Conc. Load at 2.85
TC: 4055 lb Conc. Load at 6.77

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
I - H 448 - 451 G - F 1424 - 1428
H - G 1443 - 1439

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
A - J 556 - 559 R - X 3237 - 3238
A - N 785 - 783 T - G 2964 - 2964
I - M 1819 - 1835 G - V 4076 - 4080
J - K 1072 - 1076 G - E 708 - 699
J - N 533 - 635 V - W 2526 - 2532
J - O 776 - 773 V - Z 786 - 787
K - L 1027 - 1035 W - X 3149 - 3153
K - O 982 - 985 W - Z 967 - 965
K - P 1335 - 1331 W - AA 511 - 514
L - M 1723 - 1735 X - Y 1003 - 1006
L - Q 459 - 452 X - AA 639 - 635
M - H 646 - 637 X - AB 945 - 952
M - Q 598 - 606 Y - G 1771 - 1766
N - B 2457 - 2465 Y - E 667 - 675
N - R 3310 - 3311 Y - AB 1174 - 1169
N - V 2199 - 2199 E - F 1825 - 1842
O - P 716 - 720 Z - AA 1084 - 1098
P - Q 585 - 587 Z - D 807 - 810
P - T 3015 - 3014 AA - AB 1619 - 1628
P - X 1915 - 1916 AB - E 1756 - 1769
B - V 3280 - 3280

Engineering Services provided by ABCD Engineering PLLC NC CDA # P-0838 09/28/2020

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SEON: 490944 FROM: MJS FLAT Qty: 1 Job Number: 2018105166 Truss Label: SB2-11-0X8-4-SHEAR1750

Sheet R 7054 Job: 1WY770540001 T84 DwnNo: 268.20.0837.03137 / FK 09/24/2020

Loading Criteria (psf)	Wind Criteria	Snow Criteria (PsF in PSP)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 1.00 TCCL: 1.00 BCLL: 0.00 BCDL: 1.00	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Cat: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist: NA ft Loc. from endwall: NA I: NA GCF: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pr: NA Ce: NA Lu: NA Ca: NA Snow Duration: NA Building Code: IBC 2015 TPI Std: 2014 Rep Fac: No FT/RT/PT: 20/20/10(10)/4(0) Plate Type(s): WAVE	PP Deflection in Loc L'def L# VERT(LL): 0.010 B 170 240 VERT(CL): 0.010 B 170 180 HORZ(LL): -0.026 B HORZ(TL): 0.026 B Creep Factor: 2.0 Max TC CSI: 0.041 Max BC CSI: 0.035 Max Web CSI: 1.000 VIEW Ver: 18.02.01A.0205.19	Loc R+ / R- / Rh / Rw / U / R/L E - / - / - / /B36 / /B32 / /B30 D - / - / - / /B36 / /B33 / /B30 Wind reactions based on MWFRS E Brg Width = 3.5 Min Req = 3.5 D Brg Width = 3.5 Min Req = 3.5 Bearings E, B, D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1704 - 1704

Additional Notes: Refer to General Notes for additional information. Negative reaction(s) of -1843# MAX. Requires uplift connection. See Maximum Reactions.

Bracing: (a) Continuous lateral restraint equally spaced on member.

Special Loads: (Lumber Dur.Fac.=1.60 / Plate Dur.Fac.=1.60)
TC: From 1 psf at 0.00 to 1 psf at 9.42
PLT: From 372 psf at 0.00 to 372 psf at 9.42
BC: From 1 psf at 0.00 to 1 psf at 9.42
PLB: From -372 psf at 0.00 to -372 psf at 9.42
HPL: From 372 psf at 19.98 to 372 psf at 8.00
HPL: From -372 psf at 8.00 to -372 psf at 19.98
TC: 4055 lb Conc. Load at 2.85
TC: 4055 lb Conc. Load at 6.77

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
I - H 448 - 451 G - F 1424 - 1428
H - G 1443 - 1439

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
A - F 1873 - 1875 G - C 2494 - 2494
A - G 2476 - 2478 C - D 2079 - 2081
E - F 837 - 839 H - C 2308 - 2309
F - C 1736 - 1736 H - B 507 - 509
F - D 2116 - 2116

Engineering Services provided by ABCD Engineering PLLC NC CDA # P-0838 09/24/2020

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FOREMAN NOTE:
TO ENSURE PROPER INSTALLATION OF SHEAR TRUSS,
PLEASE NOTE TOP AND BOTTOM NOTED ON DIAGRAM AND
VERIFY ENDWALL GIRT SPACING PRIOR TO INSTALLATION

APPROVED FOR CONSTRUCTION
DATE _____ BY _____



190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

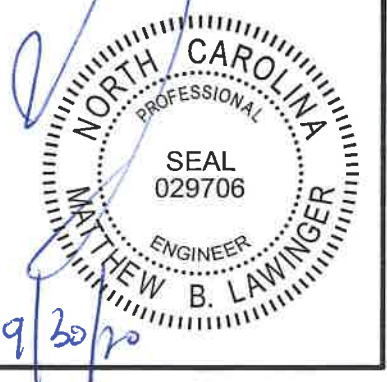
DRAWN BY: ZIESE
DATE DRAWN: 9/21/2020

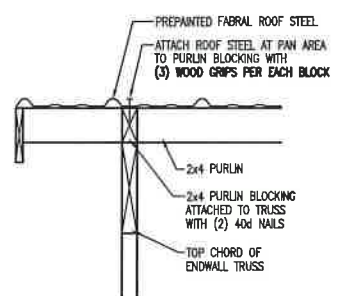
PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

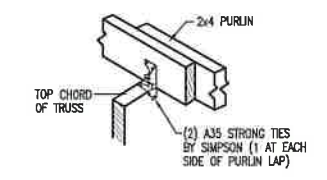
PROJECT NAME: AQUA SKY LLC., CALEB KAUFMAN
PROJECT SITE ADDRESS: 702 NORTH SILVER STREET
ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY
BUILDING SIZE: 42'x80'x20'-8"
SHEET NAME: SHEAR TRUSS DIAGRAMS

PROJECT NUMBER: 2018105166
SHEET NUMBER: 152
SHEET SCALE: NONE

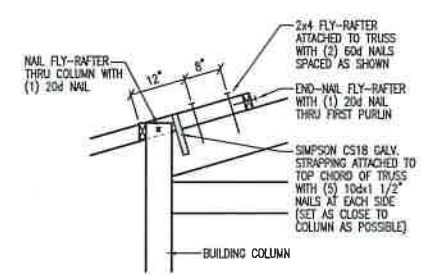




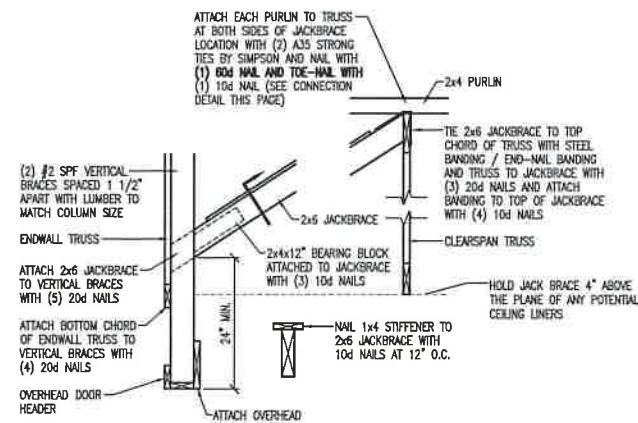
GABLE DETAIL WITH PURLIN EXTENSION



PURLIN TO TRUSS CONNECTION DETAIL AT EACH SIDE OF JACKBRACE LOCATION

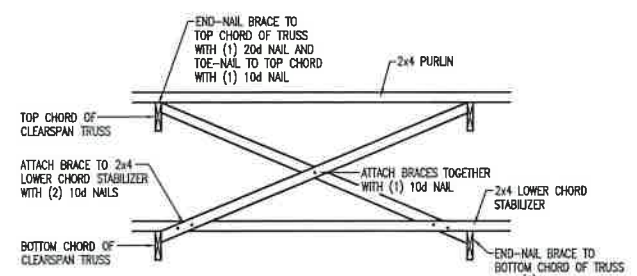


FLY-RAFTER CONNECTION DETAIL

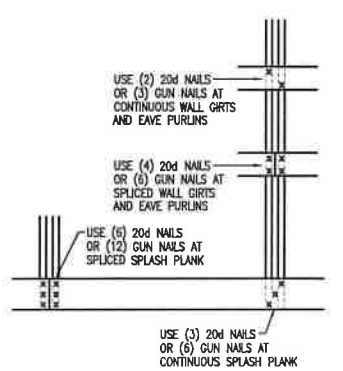


NOTE: WHEN INSTALLING JACKBRACE UNITS OVER AN OVERHEAD DOOR FRAME-OUT, HOLD JACKBRACE UNIT UP 24" ABOVE DOOR WHALER.
 NOTE: CENTER ONE JACKBRACE UNIT FOR OVERHEAD DOORS WIDER THAN 12' UP TO AND INCLUDING 20' WIDE, EVENLY SPACE TWO JACKBRACE UNITS FOR OVERHEAD DOORS MORE THAN 20' WIDE.

JACKBRACE DETAIL AT OVERHEAD DOOR

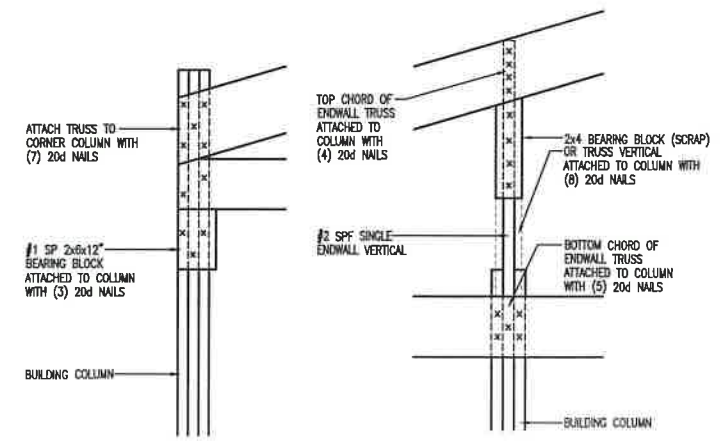


ROOFLINE X-BRACING DETAIL X-BRACING IS ATTACHED TO LOWER CHORD STABILIZER SEE FLOOR PLAN FOR X-BRACE LOCATIONS

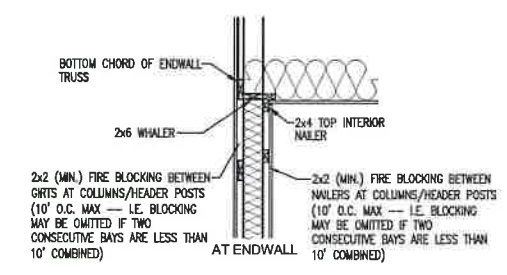


NOTE: 20d NAILS TO BE RING SHANK HOT DIPPED GALVANIZED GUN NAIL ALTERNATE = 0.131x3 1/2 RS-TLN
 NOTE: SPLASH PLANK AT BRACING LOCATIONS REQUIRE ADDITIONAL FASTENERS (SEE BRACING DETAIL SHEET)

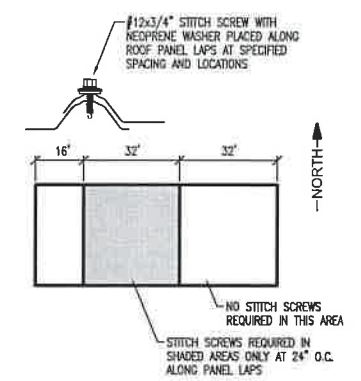
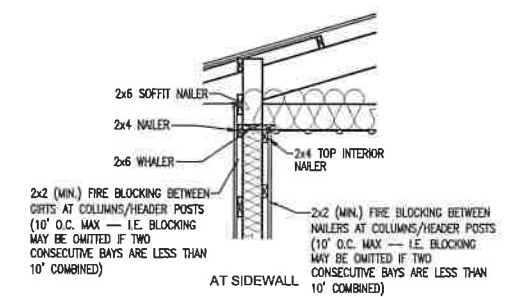
STANDARD WALL FRAMING NAILING



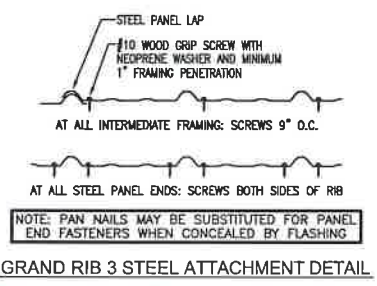
STRUCTURAL ENDWALL TRUSS TO COLUMN CONNECTION DETAIL AT ALL ENDWALLS



FIRE BLOCK DETAIL



CONSTRUCTION FORM NOTE: STITCH SCREW TO NEXT STEEL LAP BEYOND REQUIRED DISTANCE FROM ENDWALL OF BUILDING
 STITCH SCREW DETAIL AT ROOF STEEL



GRAND RIB 3 STEEL ATTACHMENT DETAIL

DRAWN BY: ZIESE
 DATE DRAWN: 9/21/2020
 PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: AQUA SKY LLC., CALEB KAUFMAN
 PROJECT SITE ADDRESS: 702 NORTH SILVER STREET
 ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY
 BUILDING SIZE: 42'x80'x20'-8"
 SHEET NAME: DIAPHRAGM ACTION and MISC. DETAILS

PROJECT NUMBER: 2018105166
 SHEET NUMBER: 160
 SHEET SCALE: NONE

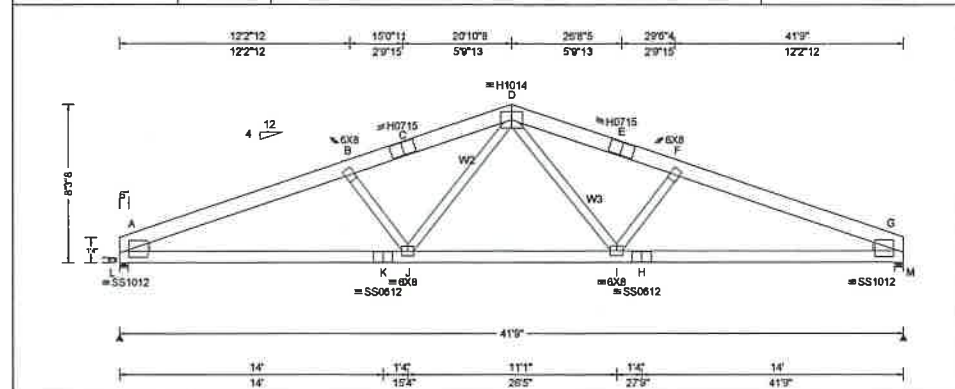


APPROVED FOR CONSTRUCTION
 DATE _____ BY _____
 9/30/20

File Name and Path: I:\Commercial\CAD FILES\2018\105166\2018105166-170-TRUSS.dwg
 Printed By: Gabrielle Ziese
 Date Printed: 9/25/2020 9:27 AM

CLEARSPAN INTERMEDIATE TRUSS

SEQN: 490678 FROM: MJS
 COMN Ply: 1 Qty: 1
 Job Number: 2018105166
 Truss Label: TA41-9EMSC20STDW80C4truss115W
 Cust: R 7054 JRet:1WY70540001 T81
 DwnNo: 268.20.0637.55793 / FK 09/24/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/ICSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 4.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 34.00 NCBCL: 0.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 96.0"	Wind Std: ASCE 7-10 Speed: 115 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.20 ft TCCL: 2.4 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist: 4.18 ft Loc. from endwall: Any GC: 0.18 Wind Duration: 1.60	Pg: 15.0 Ct: 1.2 CAT: II Pf: 12.6 Ce: 1.0 Lu: 23.0 Cx: 0.94 Snow Duration: 1.15 Building Code: IBC 2015 TPI Std: 2014 Rep Fac: No FT/RT/PT: 20(20)/10(10)/4(0) Plate Type(s): 18SS, WAVE, HS	PP Deflection in loc L/Def L/W VERT(LL): 0.367 J 999 240 VERT(CL): 0.827 J 793 180 HORIZ(LL): 0.124 H - - HORIZ(TL): 0.212 H - - Creep Factor: 2.0 Max TC CSI: 0.849 Max BC CSI: 0.967 Max Web CSI: 0.516 VIEW Ver: 18.02.01A.0205.19	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL L 5714 /- /- /2447 /1209 /379 M 5714 /- /- /2447 /1209 /- Wind reactions based on MWFRS L Brg Width = 5.5 Min Req = 5.4 M Brg Width = 5.5 Min Req = 5.4 Bearings L & M Fcperp = 565psi Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 5589 -11356 D - E 5192 -10083 B - C 5155 -10263 E - F 5155 -10263 C - D 5192 -10083 F - G 5589 -11356

Lumber
 Top chord: 2x10 SP 2400F-2.0E;
 Bot chord: 2x8 SP 2400F-2.0E;
 Webs: 2x6 SP #1; W2, W3, 2x6 SP 2400F-2.0E;
 L Udg: 2x6 SP #1; Rt Wedge: 2x6 SP #1;

Loading
 Truss designed for unbalanced snow loads.
 Slope reduction based on Unobstructed Slippery Surface.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 See Clear Building Corp. drawing for bearing attachment and bottom chord bracing details. This design applies to both open wall and enclosed wall buildings.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC.



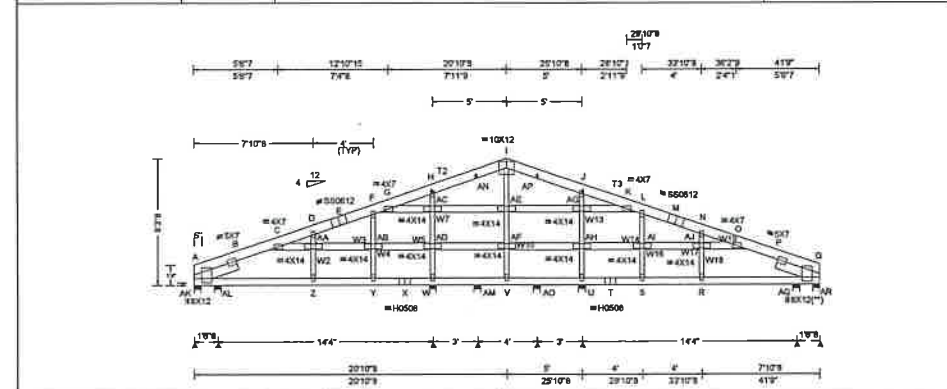
Engineering Services provided by ABCD Engineering PLLC
 NC COA # P-0838
 09/24/2020



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STRUCTURAL ENDWALL TRUSS

SEQN: 15032 FROM: MJS
 COMN Ply: 1 Qty: 1
 Job Number: 2018105166
 Truss Label: TB41-9ENDWALL4WOH12HEELSEW
 Cust: R 7054 JRet:1WY70540001 T82
 DwnNo: 268.20.0645.47007 / FK 09/24/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/ICSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 4.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 34.00 NCBCL: 0.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 96.0"	Wind Std: ASCE 7-10 Speed: 115 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.20 ft TCCL: 2.4 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist: 4.18 ft Loc. from endwall: Any GC: 0.18 Wind Duration: 1.60	Pg: 15.0 Ct: 1.2 CAT: II Pf: 12.6 Ce: 1.0 Lu: 23.0 Cx: 0.94 Snow Duration: 1.15 Building Code: IBC 2015 TPI Std: 2014 Rep Fac: No FT/RT/PT: 20(20)/10(10)/4(0) Plate Type(s): 18SS, WAVE, HS	PP Deflection in loc L/Def L/W VERT(LL): 0.251 R 884 240 VERT(CL): 0.500 R 343 180 HORIZ(LL): 0.092 D - - HORIZ(TL): 0.182 D - - Creep Factor: 2.0 Max TC CSI: 0.887 Max BC CSI: 0.841 Max Web CSI: 0.751 VIEW Ver: 20.01.01.0616.17	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL AK 1201 /- /- /171 /457 /380 AL 1296 /- /0 /1052 /90 /- W 764 /- /- /640 /61 /- H 1564 /- /- /468 /444 /- AM 705 /- /0 /494 /6 /- AN 1372 /- /0 /379 /398 /- AO 705 /- /0 /507 /19 /- AP 1372 /- /- /400 /398 /- U 764 /- /- /638 /60 /- U 1564 /- /- /462 /439 /- AQ 1298 /- /0 /1063 /101 /- AR 1200 /- /- /145 /456 /- Wind reactions based on MWFRS AK Brg Width = 5.5 Min Req = 1.5 AL Brg Width = 5.5 Min Req = 1.5 W Brg Width = 5.5 Min Req = 1.5 H Brg Width = 1.5 Min Req = - AM Brg Width = 5.5 Min Req = 1.5 AN Brg Width = 1.5 Min Req = - AO Brg Width = 1.5 Min Req = 1.5 AP Brg Width = 1.5 Min Req = - U Brg Width = 1.5 Min Req = 1.5 J Brg Width = 1.5 Min Req = - AQ Brg Width = 5.5 Min Req = 1.5 AR Brg Width = 5.5 Min Req = 1.5 Bearings AL, W, AM, AO, U, & AQ are a rigid surface. Bearings AK & AR Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1600 -2793 I - J 7334 -2733 B - C 1580 -2591 J - K 3645 -1773 C - D 257 -528 K - L 666 -221 D - E 489 -270 L - M 541 -259 E - F 544 -256 M - N 407 -270 F - G 700 -230 N - O 227 -419 G - H 3944 -1771 O - P 1579 -2588 H - I 7334 -2730 P - Q 1599 -2790

Lumber
 Top chord: 2x8 SP #1; T2, T3 2x8 SP 2400F-2.0E;
 Bot chord: 2x6 SP 2400F-2.0E;
 Webs: 2x6 SP 2400F-2.0E; W2, W4, W7, W13, W16, W18 2x4 SP #2; W3, W5, W14, W17, W19 2x6 SP #1; W10 2x4 SP #1/W2;
 L Udg: 2x6 SP #1; block length = 2.993'
 Rl Slider: 2x8 SP #1; block length = 2.993'

Plating Notes
 All plates are 3X5 except as noted.

Loading
 Truss designed for unbalanced snow loads.
 Slope reduction based on Unobstructed Slippery Surface.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 See Clear Building Corp. drawing for bearing attachment and bottom chord bracing details. This design applies to both open wall and enclosed wall buildings.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC.



Engineering Services provided by ABCD Engineering PLLC
 NC COA # P-0838
 09/24/2020



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 For more information see these web sites: Alpine: alpinehw.com; TPI: tpinstr.org; SBCA: sbcaindustry.com; ICC: iccsafe.org; AWC: awc.org

TRUSS CHECK
 (CHECK BOX AND INITIAL)

<input checked="" type="checkbox"/>	TRUSS SIZE	GZ
<input checked="" type="checkbox"/>	ROOF PITCH	GZ
<input checked="" type="checkbox"/>	BAY SPACING	GZ
<input checked="" type="checkbox"/>	SLC / RLC	GZ
<input checked="" type="checkbox"/>	DESIGN LOADS	GZ
<input checked="" type="checkbox"/>	OVERHANGS	GZ



DRAWN BY: ZIESE
 DATE DRAWN: 9/21/2020

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
AQUA SKY LLC., CALEB KAUFMAN
 PROJECT SITE ADDRESS:
 702 NORTH SILVER STREET
 ENTERPRISE, NORTH CAROLINA - DAVIDSON COUNTY
 BUILDING SIZE:
 42'x80'x20'-8"
 SHEET NAME:
 TRUSS DIAGRAMS

PROJECT NUMBER:
2018105166
 SHEET NUMBER:
170
 SHEET SCALE: NONE



APPROVED FOR CONSTRUCTION
 DATE: 9/20/20 BY: [Signature]