

GENERAL SPECIFICATIONS

SITE WORK
THE SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. MAINTAIN THE GRADE LEVELS AROUND THE BUILDING FLOOR PLAN.

CONCRETE WORK
THE CONCRETE WORK SHALL CONSIST OF ALL NECESSARY PRECAST OR POUR-IN-PLACE CONCRETE AS PER BUILDING PLANS AND SECTIONS. THE CONCRETE SHALL MEET A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. ALL CONCRETE MIXES SHALL BE IN ACCORDANCE WITH ACI STANDARDS.

PRIMARY FRAMING COMPONENTS
TRUSSES: WOOD TRUSSES ARE SHOP/PLANT FABRICATED WITH CONNECTOR PLATES PER SPECIFICATIONS AND CONFORM WITH DESIGN CRITERIA ESTABLISHED BY THE TRUSS PLATE INSTITUTE (TPI) AND THE AMERICAN FOREST AND PAPER ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD (NDS). DC_ DETAILS.
RAFTERS: RAFTER SIZES AND TYPE ARE SHOWN PER BUILDING DRAWINGS.
COLUMNS: WOOD COLUMNS FOR ROOF, WALL AND FLOOR SUPPORT SHALL BE MULTI-PLY NAIL-LAMINATED. EACH PLY OF UPPER AND LOWER PORTIONS (IF REQUIRED) SHALL BE FACTORY JOINED BY GLUED FINGER JOINTS BEFORE COLUMN PLIES ARE NAILED TOGETHER. IF PLACED IN GROUND, LOWER PORTION OF COLUMN FOR 12 INCHES MINIMUM ABOVE GROUND SHALL BE PRESERVATIVE TREATED TO .6PCF RETENTION OF CHROMATED COPPER ARSENATE (CCA) TYPE C (OXIDE BASIS). SEE FLOOR PLAN AND CROSS SECTIONS FOR CORRECT SIZES.
WOOD STUDS: ALL STUD FRAMING SHALL BE #2 GRADE MINIMUM. PRIMARY FRAMING IS FACTORY CUT TO LENGTHS REQUIRED. STUDS MAY BE A SINGLE PLY/DOUBLE PLY 2X4, 2X6, OR 2X8 MATERIAL. LOCATE STUDS AT 16", 24" OR 48" O.C. AS SHOWN ON BUILDING DRAWINGS.

SECONDARY FRAMING
WOOD FRAMING: ALL WOOD FRAMING SHALL BE #2 GRADE MINIMUM. THE SPECIES WILL VARY PER AVAILABILITY AND PLANT LOCATION. THE SPECIES MAY BE #2 MC-19 DOUG FIR LARCH UNLESS SPECIFICALLY NOTED OTHERWISE ON BUILDING DRAWINGS.
HEADERS: HEADER SIZES AND TYPE ARE SHOWN PER BUILDING DRAWINGS.

OTHER
METAL CONNECTORS: ALL LIGHT GAUGE METAL CONNECTORS ARE GALVANIZED STEEL TO MEET OR EXCEED REQUIRED DESIGN STANDARDS.
WOOD: ALL NON PRESERVATIVE TREATED WOOD SHALL BE PLACED A MINIMUM OF 6 INCHES ABOVE FINISHED GRADE UNLESS SPECIFICALLY SHOWN LOWER ON CROSS SECTION(S).
FASTENERS: ALL FASTENERS SHALL BE PER BUILDING DRAWINGS AND DETAILS.

IMPORTANT DIAPHRAGM INFORMATION
THE BUILDING IS DESIGNED USING THE ROOF AS A DIAPHRAGM (DEEP THIN BEAM) TO TRANSFER SIDEWALL ENDWALL, AND ROOF LOADS TO THE SHEAR WALLS WHICH THEN CARRY THE LOADS TO THE FOUNDATION. STEEL PANELS ARE AN INTEGRAL PART OF THE BUILDING STRUCTURE AND ANY FUTURE FIELD MODIFICATIONS OF LESTER STEEL PANELS MAY BE DETRIMENTAL TO THE BUILDING'S STRUCTURAL PERFORMANCE. BUILDING DESIGN IS BASED ON THE NUMBER, SIZE AND LOCATION OF OPENINGS ON THE DRAWINGS.
LESTERS (LESTER, LESTERS, OR LESTER'S, IS LESTER BUILDING SYSTEMS L.L.C.) ASSUMES NO RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF THE BUILDING IF ADDITIONAL OPENINGS, NOT SHOWN ON THE DRAWINGS OR CHANGES IN LOCATION OR SIZE OF OPENINGS ARE UNDERTAKEN WITHOUT WRITTEN PERMISSION FROM A LESTER ENGINEERING REPRESENTATIVE.

NOTES
SEE BUILDING DRAWINGS FOR OTHER SPECIFIC MATERIALS REQUIRED FOR SPECIFIC JOB THAT MAY NOT BE INDICATED WITHIN THIS SECTION.

NOTICE TO BUILDERS

MEMBERS WITH IDENTICAL LENGTHS MAY HAVE DIFFERENT END USES AND MAY BE OF DIFFERENT SPECIES.

TO HELP INSURE THE CORRECT LENGTH AND SPECIES OF LUMBER IS USED IN ITS INTENDED APPLICATION, A COLOR CODE SYSTEM HAS BEEN ESTABLISHED.

THIS APPLIES TO FACTORY CUT PURLINS, GIRTS, BOTTOM CHORD BRACES AND EAVE NAILERS ONLY!

- RED — WALL GIRTS WILL HAVE ENDS PAINTED RED
- BLACK — PURLINS WILL HAVE ENDS PAINTED BLACK
- PINK — BOTTOM CHORD BRACES WILL HAVE ENDS PAINTED PINK
- BLUE — EAVE NAILERS WILL HAVE ENDS PAINTED BLUE
- ORANGE — HIGHER GRADE LUMBER IS SUBSTITUTED, ENDS PAINTED ORANGE

REVISIONS

| SYM. | PAGE | DATE | DESCRIPTION | BY |
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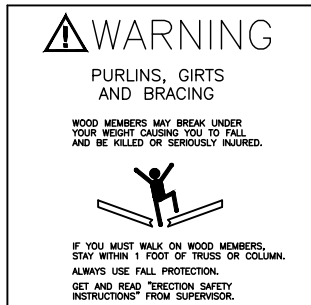


South Rock Building Company LLC
Hamlet NC 28345-6003
PHONE: 704-690-3357 MOBILE:
E-MAIL: philip@southrockbuilding.com

DRAWN BY: Douglas Poe EST PHONE: 800-826-4439 EXT 8635

IMPORTANT SAFETY INFORMATION

ACCOMPANYING THIS BUILDING AND THESE ERECTION DRAWINGS IS THE LESTER ERECTION SAFETY INFORMATION PACKET. DIRECTIONS ON THE PACKET ENVELOPE OUTLINE SPECIFIC STEPS THAT MUST BE TAKEN BEFORE BUILDING ERECTION BEGINS.
THE ERECTION SAFETY INSTRUCTIONS (INCLUDED IN THE PACKET) PROVIDE DETAILED INFORMATION AND INSTRUCTIONS TO ASSIST IN SAFE BUILDING ERECTION.
COPIES OF THE FOLLOWING WARNING LABELS ARE ALSO INCLUDED IN THE ERECTION SAFETY INFORMATION PACKET AND ON ROOF PANELS AND WOOD BUNDLES.



Wood Member Warning



Roof Panel Warning

NOTE:
THESE WARNINGS AND SAFETY INSTRUCTIONS ARE NOT INTENDED TO BE COMPLETE AND COMPREHENSIVE SAFETY INSTRUCTIONS AND MAY VARY FROM APPLICABLE LAWS AND REGULATIONS. ALL LOCAL, STATE, AND OSHA SAFETY REGULATIONS MUST BE FOLLOWED AT ALL TIMES. THE ERECTION CONTRACTOR HAS ULTIMATE RESPONSIBILITY FOR WORKER SAFETY AND MUST COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS.

COMBINED LUMBER GRADES

LESTER GROUPS NDS LUMBER TYPES WITH SIMILAR DESIGN VALUES INTO COMBINED LUMBER GRADES. BLD DESIGN IS BASED ON THE LOWEST DESIGN VALUE FOR ANY LUMBER IN THE GROUP. THE FOLLOWING CHART SHOWS THE SPECIFIC NDS SIZE/SPECIES/GRADE LUMBER TYPES THAT CAN BE USED FOR EACH COMBINED LUMBER GRADE.

| Combo 2x4 #2 Lester | Combo 2x6 #2 Lester | Combo 2x8 #2 Lester |
|---|--|---|
| 2x4 #2 DFL or SYP 2x4 1250 1.4E MSR DFL or SYP 2x4 M9 & M29 DFL or SYP | 2x6 #2 DFL or SYP 2x6 1250 1.4E MSR DFL or SYP 2x6 M9 & M29 DFL or SYP | 2x8 #2 DFL or SYP 2x8 975 1.4E MSR DFL or SYP 2x6 M9 & M34 DFL or SYP |
| Combo 2x4 #1 Lester | Combo 2x6 #1 Lester | Combo 2x8 #1 Lester |
| 2x4 #1 DFL or SYP 2x4 1500 1.6E MSR DFL or SYP 2x4 M14 & M39 DFL or SYP | 2x6 #1 DFL or SYP 2x6 1500 1.6E MSR DFL or SYP 2x6 M14 & M39 DFL or SYP | 2x8 #1 DFL or SYP 2x8 1200 1.6E MSR DFL or SYP 2x8 M14 & M29 DFL or SYP 2x8 M39 DFL or SYP |
| Combo 2x4 Premium Lester | Combo 2x6 Premium Lester | Combo 2x8 Premium Lester |
| 2x4 SS DFL or SYP 2x4 1800 1.6E MSR DFL or SYP 2x4 M17 - M20 DFL or SYP 2x4 M40 DFL or SYP | 2x6 SS DFL or SYP 2x6 1800 1.6E MSR DFL or SYP 2x6 M17 - M20 DFL or SYP 2x6 M40 DFL or SYP | 2x8 SS DFL or SYP 2x8 1800 1.6E MSR DFL or SYP 2x8 M17 - M20 DFL or SYP 2x8 M40 DFL or SYP |
| Combo 2x4 M23/2400MSR | Combo 2x10 #1 Lester | Combo 2x10 Premium Lester |
| 2x4 DSS SYP 2x4 2400 1.8E MSR DFL or SYP 2x4 M23 DFL or SYP | 2x10 #1 DFL or SYP 2x10 1050 1.6E MSR DF or SYP 2x10 M12 & M29 DFL or SYP 2x10 M35 DFL or SYP | 2x10 SS DFL or SYP 2x10 1650 1.6E MSR DF or SP 2x10 M17 - M20 DFL or SYP 2x10 M14, M39, M40 DF or SP |

DETAIL IDENTIFICATION



EACH DETAIL HAS A FIVE DIGIT ALPHA-NUMERIC NAME. THERE ARE TWO LETTERS AND A THREE DIGIT NUMBER.

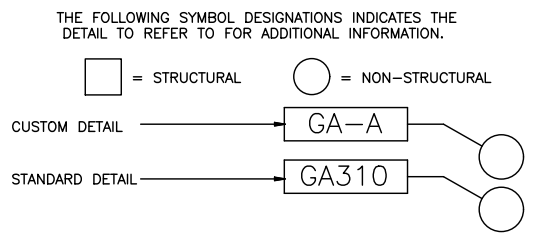
F A 246
GROUP DIVISION DETAIL NUMBER

THE FIRST LETTER DESIGNATES A BROAD SUBJECT GROUP.
THE SECOND LETTER SHOWS A SUBDIVISION WITHIN THE GROUP.
THE THREE DIGIT NUMBER INDICATES A SPECIFIC DETAIL WITHIN THE DIVISION.

| GROUP | SUBJECT |
|-------|---------------------------------|
| A | = ELEVATIONS & FLOOR PLANS |
| B | = WALL SECTIONS |
| C | = PANEL LAYOUTS IF REQUIRED |
| D | = ENGINEERING INFORMATION |
| E | = FOUNDATIONS |
| F | = WALL STRUCTURAL FRAMING |
| G | = STRUCTURAL HEADERS |
| H | = WALL OPENING FRAMING |
| I | = TRUSS (ROOF SUPPORT) |
| J | = BRACING |
| K | = EAVE TREATMENT (SIDES & ENDS) |
| L | = ROOF FINISH |
| M | = WALK DOORS AND WINDOWS |
| N | = SLIDING AND OVERHEAD DOORS |
| O | = EXTERIOR WALL FINISH |
| P | = INTERIOR FINISH |
| Q | = ACCESSORIES |

ALL DETAILS ARE ARRANGED IN ALPHABETICAL AND NUMERIC ORDER WITHIN THE STRUCTURAL & NON STRUCTURAL DETAIL SETS.
NO PAGE NUMBER IS GIVEN!!!

SYMBOL DESIGNATION

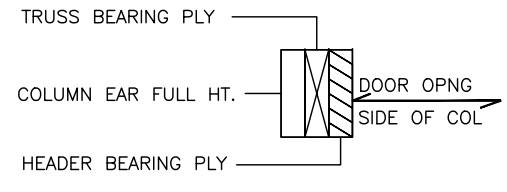
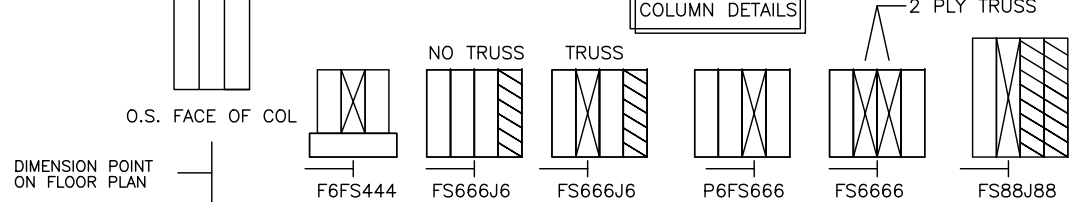
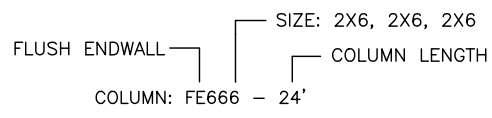


ABBREVIATIONS AND SYMBOLS

- DIA OR Ø -- DIAMETER
- SF OR □ -- SQUARE FEET
- BLDG -- BUILDING
- BRG -- BEARING
- BTM -- BOTTOM
- CC -- CEMENT COATED
- COL -- COLUMN
- CONC -- CONCRETE
- DF -- DOUGLAS FIR
- DGB -- DIAG. GABLE BRACE
- EL -- EXIT LIGHT
- EXT -- FIRE EXTINGUISHER
- FBO -- FURNISHED BY OTHERS (NOT BY LESTER BLDG SYS)
- FDN -- FOUNDATION
- FIN -- FINISH
- FL -- FLOOR(ING)
- FT -- FOOT OR FEET
- FTG -- FOOTING
- FO -- FINISH OPENING
- GA -- GAUGE
- GALV -- GALVANIZED
- HDR -- HEADER
- INT -- INTERMEDIATE
- INS -- INSULATION
- LB(S) -- POUNDS
- CL -- CENTERLINE
- LF -- LINEAR FOOT
- MO -- MASON OPENING
- MSR -- MACHINE STRESS RATED LUMBER
- MPH -- MILES PER HOUR
- O.C. -- ON CENTER
- OVHD -- OVERHEAD
- OVHG -- OVERHANG
- OPG -- OPENING
- PB -- POLE BARN NAIL (RING SHANK)
- RO -- ROUGH OPENING
- PSI -- POUNDS PER SQUARE INCH
- PSF -- POUNDS PER SQUARE FOOT
- RS -- RING SHANK (NAIL)
- SO -- SQUARE
- SYP -- SOUTHERN YELLOW PINE
- T&G -- TONGUE AND GROOVE
- TYP -- TYPICAL
- TRTD -- TREATED
- UNO -- UNLESS NOTED OTHERWISE
- VB -- VAPOR BARRIER
- WDO -- WINDOW
- W/ -- WITH
- W/O -- WITH OUT

COLUMN IDENTIFICATION KEY

- FS = FLUSH SIDEWALL
- FE = FLUSH ENDWALL
- FG = FLUSH GLUED
- HI = INTERIOR POCKET
- F = FACE PLY
- J = HEADER BEARING PLY
- P = PLUS PLY



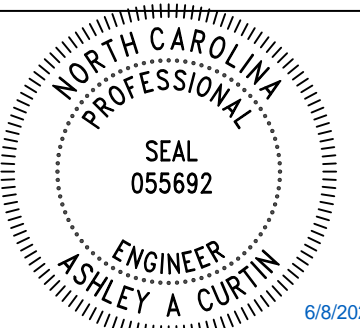
OWNER: Chris Landes
BLD ADDRESS: Fuquay Varina, NC
BUILDING USE: Hobby Shop
CONSTRUCTION: V-B
AREA: 2005 SF

GROUND SNOW LOAD 21.1 PSF
ROOF SNOW LOAD 14 PSF
ROOF DEAD LOAD 4 PSF
IMP. FACTOR SNOW 1
CEILING DEAD LOAD 10 PSF
FLOOR LIVE LOAD N/A PSF
ALLOWABLE WIND SPEED 92.5 MPH
ULTIMATE WIND SPEED 117; RISK CAT II MPH
WARRANTY WIND SPEED 92.5 MPH
EXPOSURE C
SOIL BEARING 2000 PSF
CODE IBC-2018

| PAGE | INDEX REFERENCE |
|------|-------------------------|
| 1 | BUILDING SPECIFICATIONS |
| 2 | ELEVATIONS (E1 & S1) |
| 3 | ELEVATIONS (E2 & S2) |
| 4 | OSB LAYOUT |
| 5 | FLOOR PLAN |
| 6 | BUILDING SECTIONS |
| 7 | TRUSS SPECIFICATIONS |
| 8 | DETAILS TO END |
| 9 | . |
| 10 | . |
| 11 | . |
| 12 | . |
| 13 | . |
| 14 | . |
| 15 | . |

MATERIAL SHORTAGES AND DAMAGE

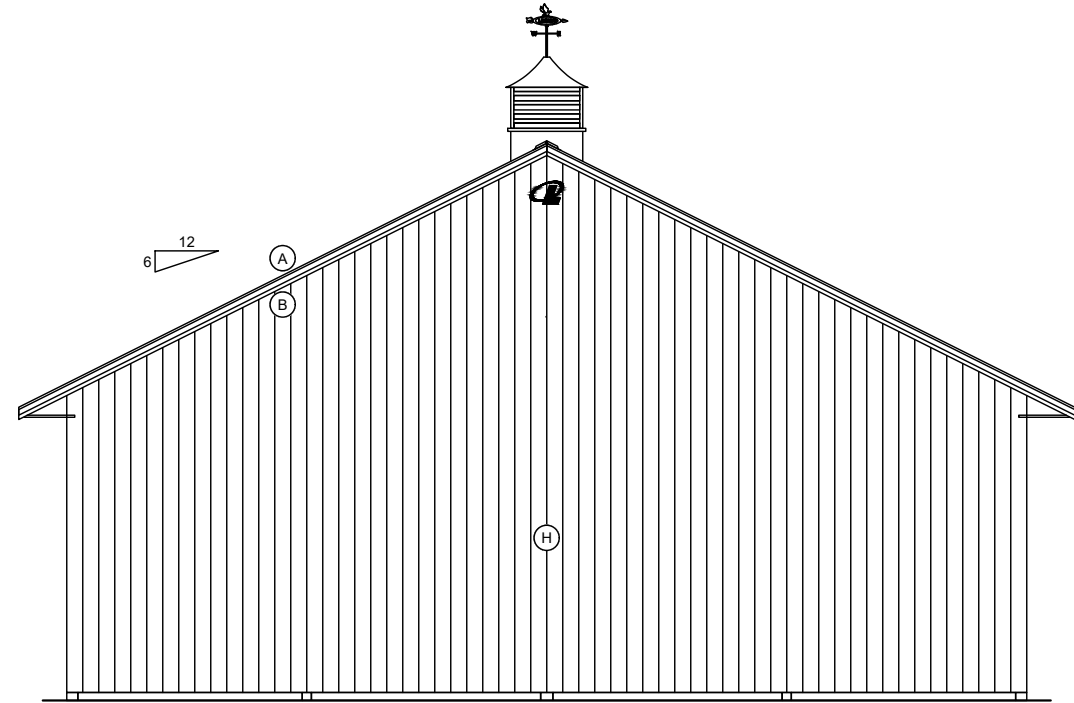
CONTACT INFORMATION:
DIRECT DIAL:
(320) 395-5263
LESTER SWITCHBOARD/RECEPTIONIST:
(800) 826-4439 EXT. 5263
EMAIL:
orders@lesterbuildings.com



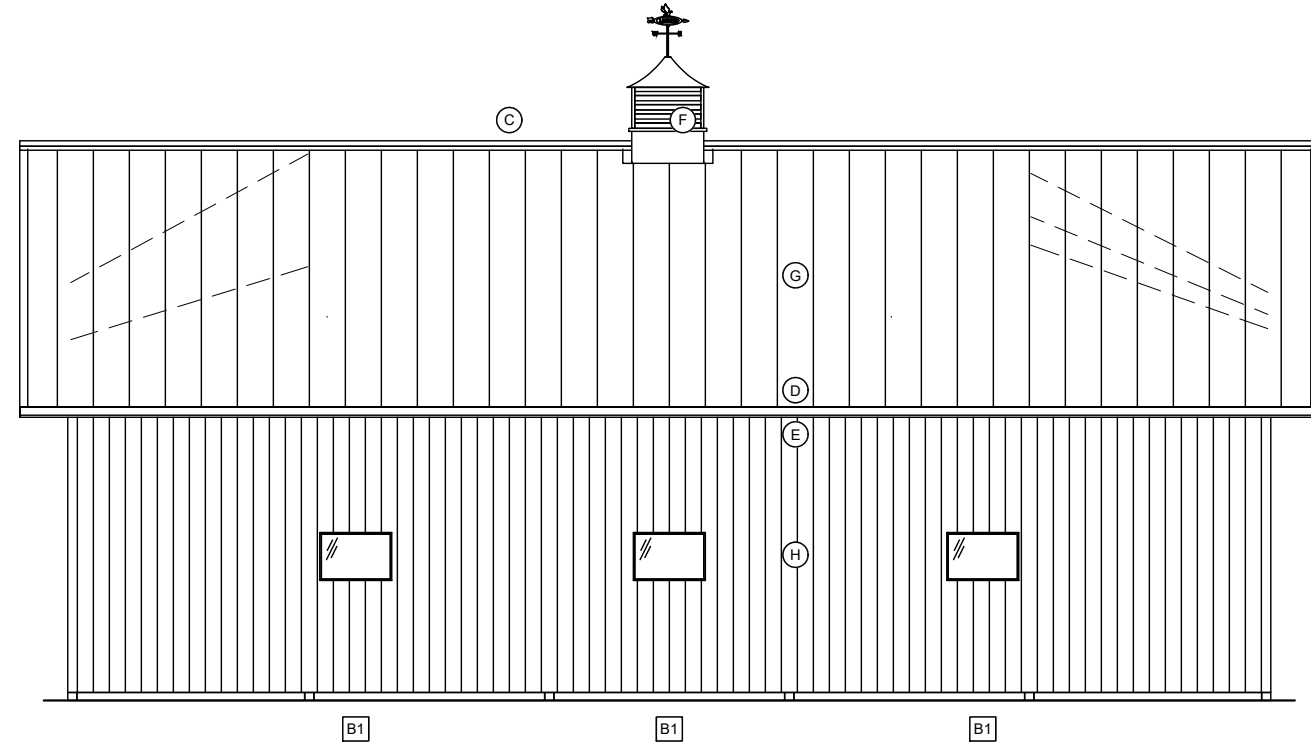
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| | | | | |
|-------|--------------------------|--------------------|------|----|
| DA003 | STRUCTURAL DESIGN - ONLY | ENGINEER STAMP BOX | FULL | R1 |
|-------|--------------------------|--------------------|------|----|

DATE: 6/6/2023
SHEET 01 OF 17
JOB-NUMBER 627123
JOB DESCRIPTION: 40 X 50 X 12 embed building
CUSTOMER: Chris Landes, 1199 Bradley Rd, Fuquay Varina, NC 27526
DEALER: LESTER BUILDING SYSTEMS, LLC, 197 Scholl Shankle Rd, Hamlet, NC 28345-6003
TOLL-FREE: 800-826-4439
See Titleblock DRAWN BY for Extension



A2 ENDWALL 1 ELEVATION
1/8" = 1'-0"



B2 SIDEWALL 1 ELEVATION
1/8" = 1'-0"

BUILDING COLORS

| | | | |
|-----------------|---------------|------------------|---------------|
| ROOF METAL | ANTIQUE BROWN | SLDG DR PANEL | -- |
| SIDEWALL | NONE | SLDG DR VERTS | -- |
| ENDWALL | NONE | SLDG DR JAMB TR | -- |
| GABLES | -- | SLDG DR TRACK | -- |
| BASE | -- | OVHD DR PANEL | -- |
| CORNER | -- | OVHD DR TRIM | ANTIQUE BROWN |
| EAVE/FASCIA | ANTIQUE BROWN | WALK DR | AJ WHITE |
| GABLE/RAKE | ANTIQUE BROWN | WALK DR TRIM | ANTIQUE BROWN |
| SOFFIT | WHITE SAND | WINDOW | HARMONY WHITE |
| WAINSCOT | -- | WINDOW TRIM | ANTIQUE BROWN |
| ACCENT PANEL | -- | SHUTTERS | -- |
| GABLE LOUVER | -- | SIG DR FIELD | -- |
| INSUL WL BATTEN | -- | SIG DR TRIM | -- |
| RIDGE CAP | WHITE SAND | SIG DR JAMB TR | -- |
| RIDGE VENT | -- | SIG DR WINDOW | -- |
| CUPOLA ROOF | ANTIQUE BROWN | SIG DR TRACK | -- |
| CUPOLA BODY | CLAY | LARGE DOOR | -- |
| CUPOLA BASE | ANTIQUE BROWN | LARGE DOOR TRIM | -- |
| GUTTER | -- | DUTCH DR FRAME | -- |
| DOWNSPOUT | -- | DUTCH DR INSERT | -- |
| PORCH ROOF | -- | SHINGLES | -- |
| PORCH COL CVR | -- | MANSARD ROOF | -- |
| PORCH CRWN/VBLK | -- | MANSARD EAVE | -- |
| PORCH SOFT/CLG | -- | MANSARD SOFFIT | -- |
| CLEAR OPNG TR | -- | MODERRA | -- |
| CURTAIN OPNG TR | -- | BOX STALL GRILLS | -- |

FINISH SCHEDULE

| ID | LOCATION | DESCRIPTION | DETAILS |
|----|----------------|---|---------|
| | FINISH | ELEVATIONS ARE NOT FOR PANEL LAYOUT | |
| | FINISH | SEE PANEL GEN REPORTING FOR ACTUAL LAYOUT | |
| A | RAKE TRIM | #820 RAKE AND CORNER | JT201A |
| B | RAKE TRIM | F.B.O. - FIELD VERIFY | - |
| C | RIDGE TRIM | #152 VENTED RIDGECAP | JT405 |
| D | EAVE TRIM | #170 STANDARD EAVE | JT110 |
| E | EAVE TRIM | F.B.O. FIELD VERIFY | - |
| F | CUPOLA | 36" LOUVERED CUP. 24" LESTER EAGLE VANE | OA063 |
| G | R1, R2 | FINISH: ECP 26GA AZ50 SMP | JT040 |
| H | E1, E2, S1, S2 | FBO - BOARD ON BATTEN - FIELD VERIFY | - |

OPENING SCHEDULE

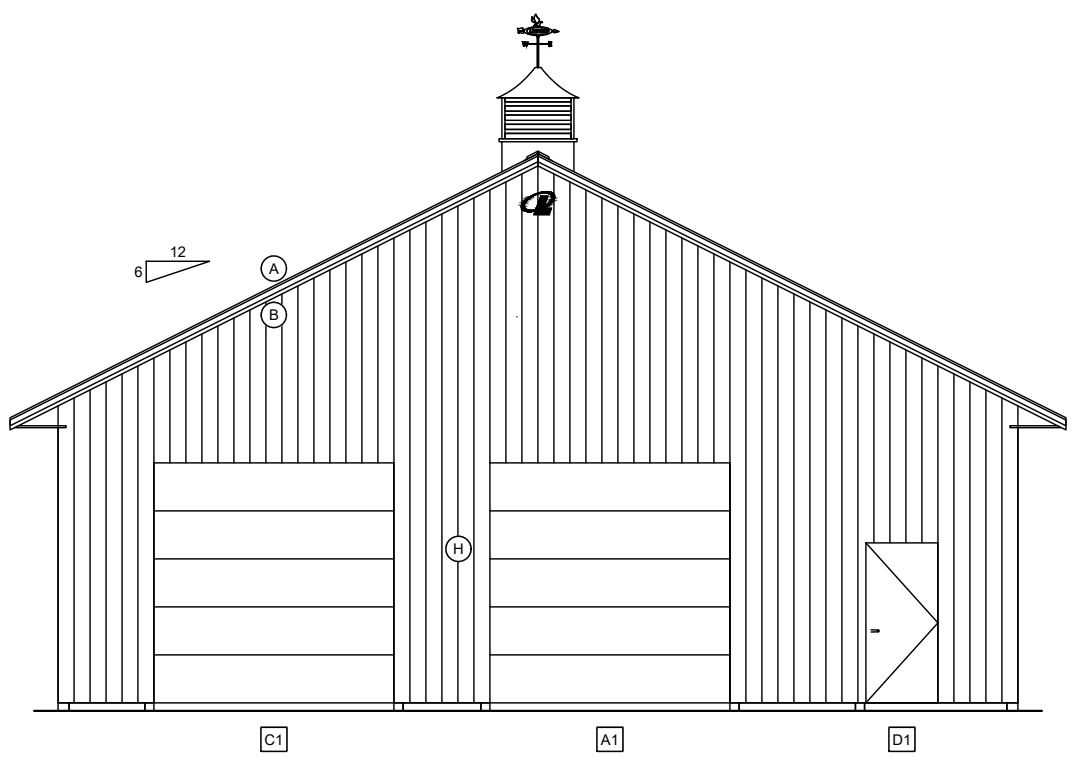
| ID | MODEL | NOMINAL |
|----|-------------------------------------|---------|
| A1 | 10' HIGH OVERHEAD DOOR OPENING | 120x120 |
| B1 | VINYL FIXED THERMAL PANE W/ NAILFIN | 36x24 |
| C1 | 10' HIGH OVERHEAD DOOR OPENING | 120x120 |
| D1 | WALKDOOR - FBO | 36x80 |

ALL SEALS FOR THIS SET OF DRAWINGS ARE APPLIED TO THE COVER SHEET

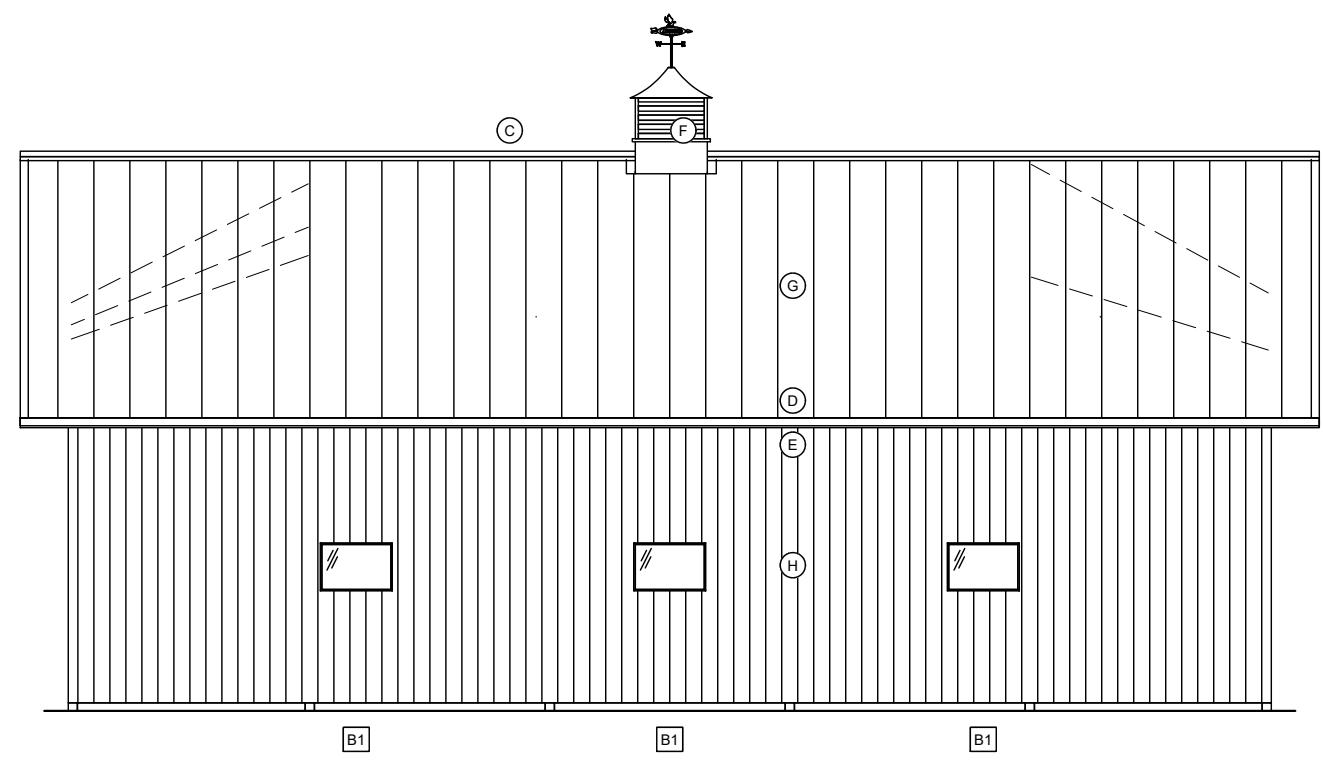
6/8/2023

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DATE: 6/6/2023 SHEET 02 OF 17
JOB-NUMBER 627123
JOB DESCRIPTION: 40 X 50 X 12 embed building
DRAWN BY: Dougalis, Poe
CHKD BY:
REV NO: 0
CUSTOMER: Chris Landes, 1199 Bradley Rd, Fuquay Varina, NC 27526
DEALER: South Rock Building Company LLC, 197 Scholl Shankle Rd, Hamlet, NC 28345-6003
LESTER BUILDING SYSTEMS, LLC
TOLL-FREE: 800-826-4439
See Titleblock DRAWN BY for Extension



C3 ENDWALL 2 ELEVATION
 1/8" = 1'-0"



D3 SIDEWALL 2 ELEVATION
 1/8" = 1'-0"

BUILDING COLORS

| | | | |
|-----------------|---------------|------------------|---------------|
| ROOF METAL | ANTIQUE BROWN | SLDG DR PANEL | -- |
| SIDEWALL | NONE | SLDG DR VERTS | -- |
| ENDWALL | NONE | SLDG DR JAMB TR | -- |
| GABLES | -- | SLDG DR TRACK | -- |
| BASE | -- | OVHD DR PANEL | -- |
| CORNER | -- | OVHD DR TRIM | ANTIQUE BROWN |
| EAVE/FASCIA | ANTIQUE BROWN | WALK DR | AJ WHITE |
| GABLE/RAKE | ANTIQUE BROWN | WALK DR TRIM | ANTIQUE BROWN |
| SOFFIT | WHITE SAND | WINDOW | HARMONY WHITE |
| WAINSCOT | -- | WINDOW TRIM | ANTIQUE BROWN |
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| GABLE LOUVER | -- | SIG DR FIELD | -- |
| INSUL WL BATTEN | -- | SIG DR TRIM | -- |
| RIDGE CAP | WHITE SAND | SIG DR JAMB TR | -- |
| RIDGE VENT | -- | SIG DR WINDOW | -- |
| CUPOLA ROOF | ANTIQUE BROWN | SIG DR TRACK | -- |
| CUPOLA BODY | CLAY | LARGE DOOR | -- |
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| GUTTER | -- | DUTCH DR FRAME | -- |
| DOWNSPOUT | -- | DUTCH DR INSERT | -- |
| PORCH ROOF | -- | SHINGLES | -- |
| PORCH COL CVR | -- | MANSARD ROOF | -- |
| PORCH CRWN/VBLK | -- | MANSARD EAVE | -- |
| PORCH SOFT/CLG | -- | MANSARD SOFFIT | -- |
| CLEAR OPNG TR | -- | MODERRA | -- |
| CURTAIN OPNG TR | -- | BOX STALL GRILLS | -- |

FINISH SCHEDULE ○

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|----|----------------|---|---------|
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| G | R1, R2 | FINISH: ECP 26GA AZ50 SMP | JT040 |
| H | E1, E2, S1, S2 | FBO - BOARD ON BATTEN - FIELD VERIFY | - |

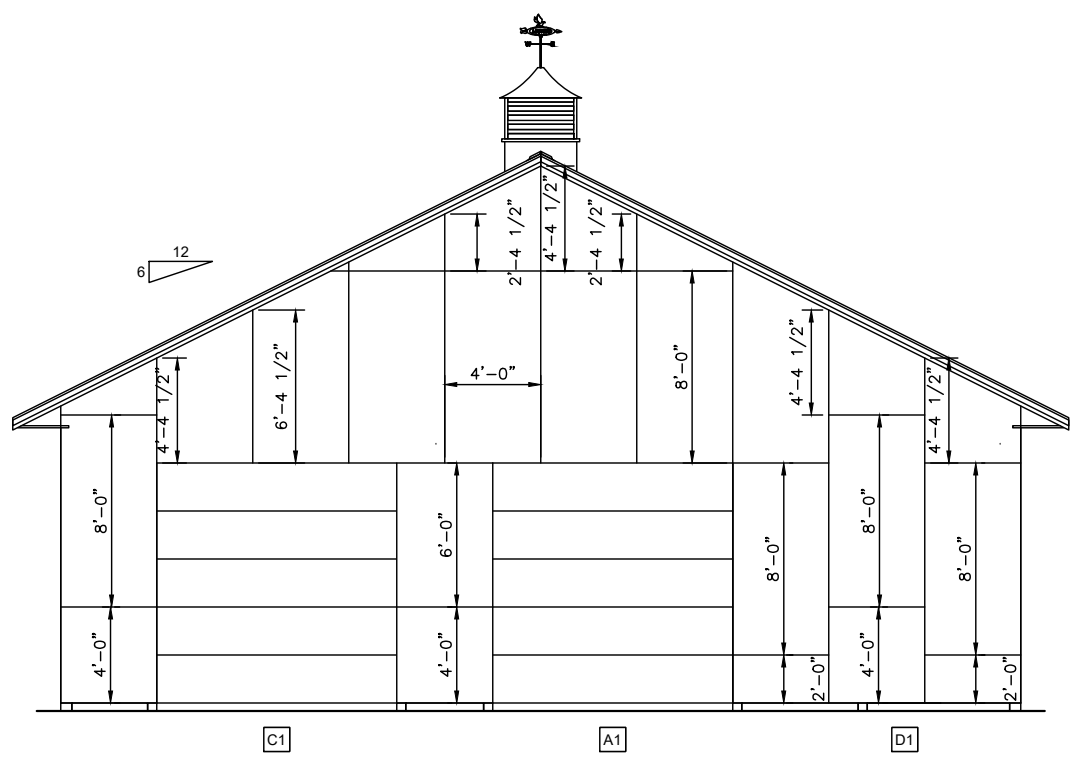
OPENING SCHEDULE □

| ID | MODEL | NOMINAL |
|----|-------------------------------------|---------|
| A1 | 10' HIGH OVERHEAD DOOR OPENING | 120x120 |
| B1 | VINYL FIXED THERMAL PANE W/ NAILFIN | 36x24 |
| C1 | 10' HIGH OVERHEAD DOOR OPENING | 120x120 |
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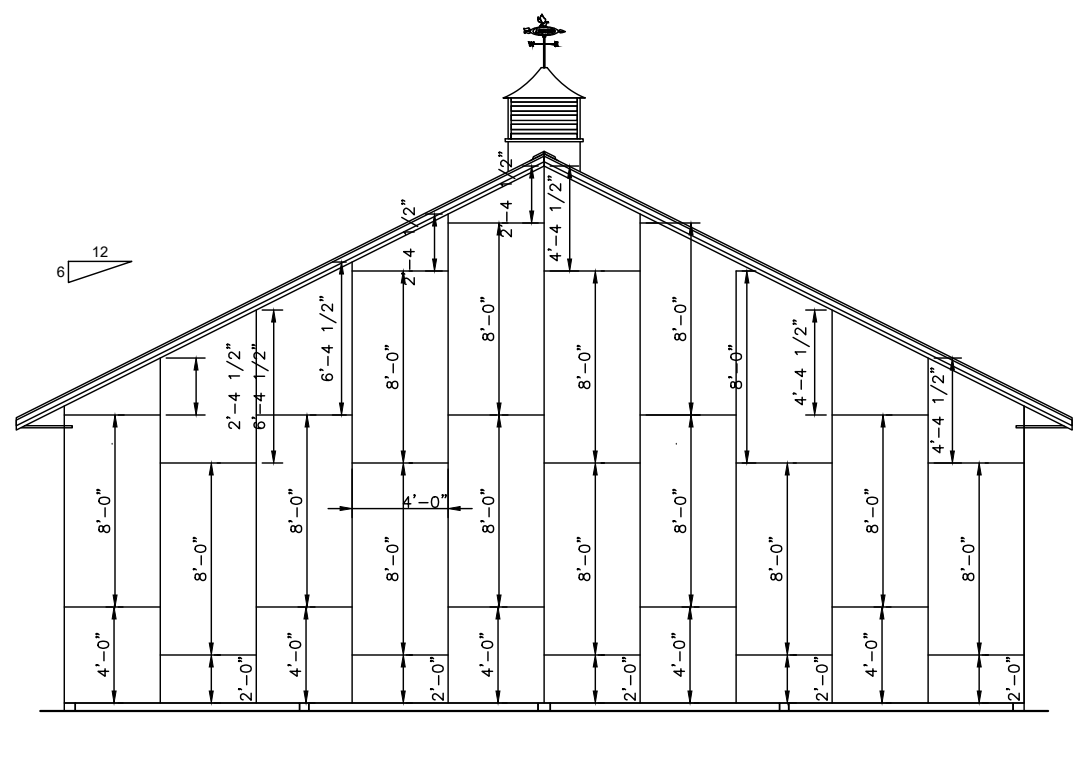
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6/8/2023

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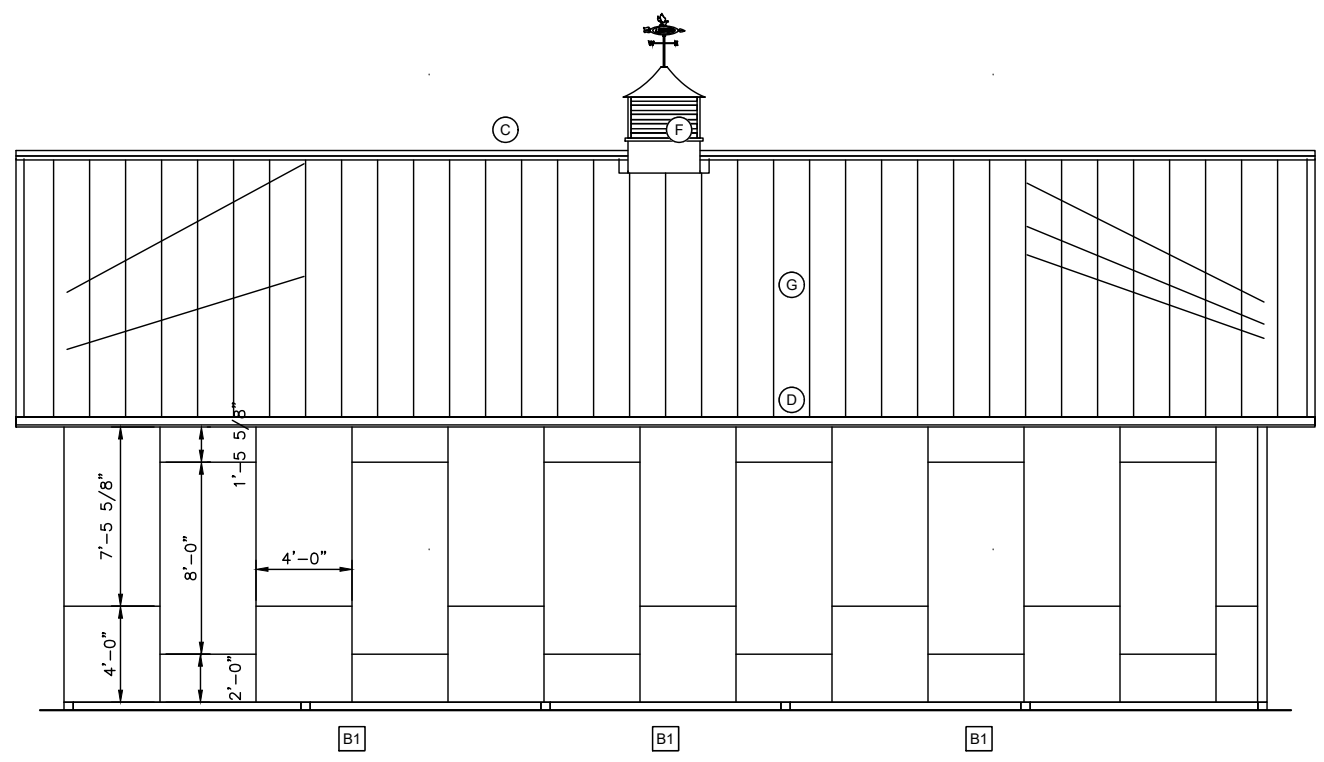


C3 ENDWALL 2 OSB LAYOUT
 1/8" = 1'-0"



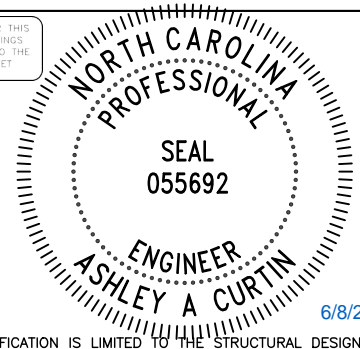
A2 ENDWALL 1 ELEVATION
 1/8" = 1'-0"

SEE DETAIL
 MB211 &
 MB231 FOR
 MORE
 DETAILS.

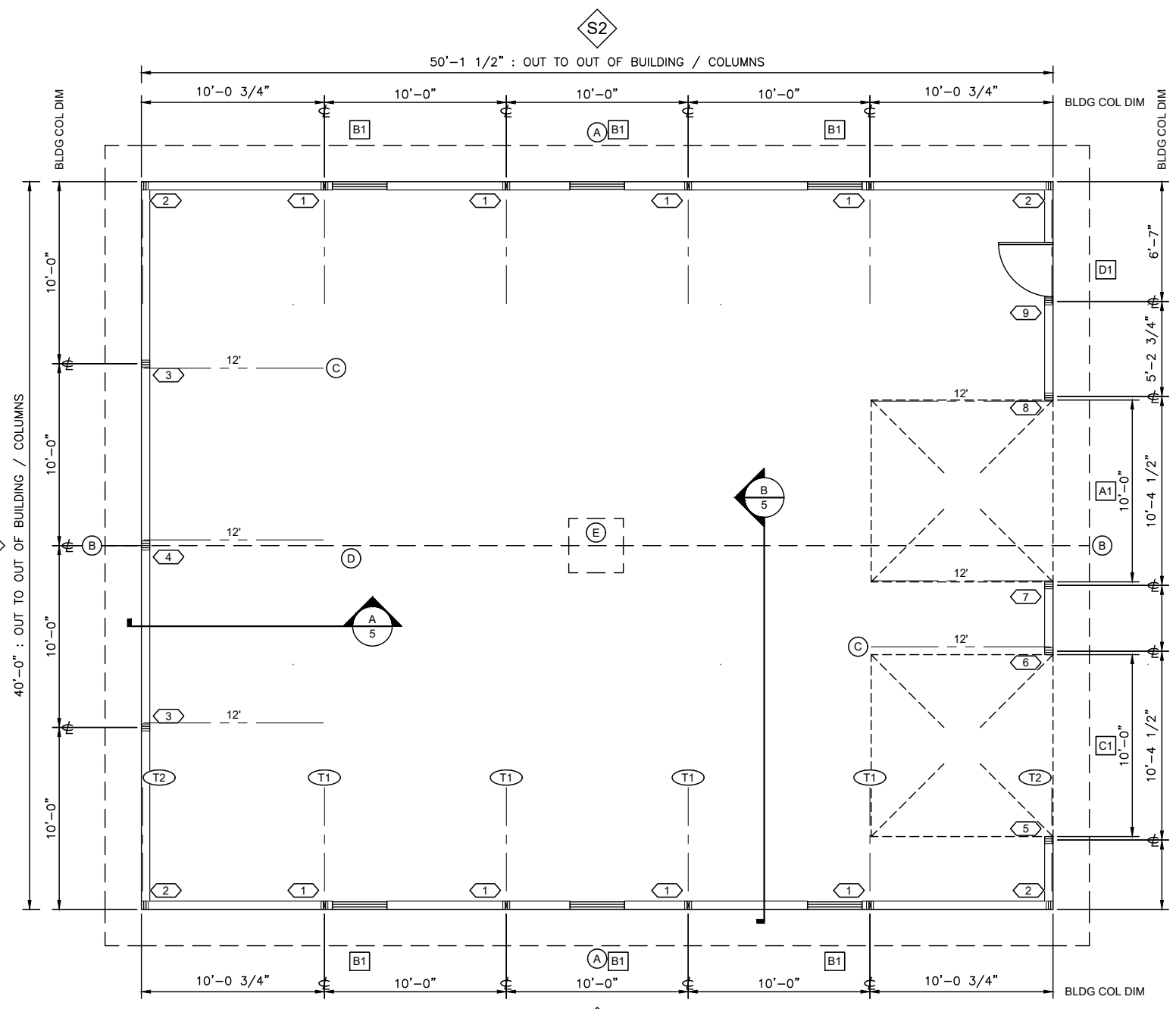


B2 SIDEWALL OSB LAYOUT
 1/8" = 1'-0"

ALL SEALS FOR THIS SET OF DRAWINGS ARE APPLIED TO THE COVER SHEET



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A4 FLOOR PLAN
 1/8" = 1'-0"

FLOOR PLAN SCHEDULE

| ID | DESCRIPTION | DETAILS |
|----|---|---------------|
| | 64'-1 9/16" DIAGONAL OUT-OUT OF FRAMING | |
| | TRUSS SPACING FROM ENDWALL 1: | |
| | 1@120.75; 3@120; 1@120.75 | |
| A | 24" OVERHANG S1, S2 | IF223 |
| B | 24" OVERHANG E1, E2 | IG235, JT201A |
| C | 2x6 DIAGONAL GABLE BRACE | HB100 |
| D | #152 SOLID RIDGECAP | JT405 |
| E | 36" LOUVERED CUPOLA | OA063 |

ROOF FRAMING SCHEDULE

| ID | PART | DESCRIPTION | DETAILS |
|----|------|---|---------|
| T1 | C001 | 1-PLY 40'-0" TRUSS 2x10 TC / 2x8 BC | HD631 |
| T2 | C002 | 1-PLY 40'-0" DROP GABLE TRUSS 2x8 TC / 2x6 BC | FF300 |

COLUMN SCHEDULE

| ID | PART | SHAPE | LENGTH | BASE | FOOTING | | | ANCHOR | | | |
|----|--------|-------|----------|------|---------|-------------|---------|--------|-------|----------|-------|
| | | | | | SIZE | TYPE | YDS/BGS | DET | TYPE | BRS/BLTS | DET |
| 1 | C005 | FS666 | 18-00-00 | -52 | 10x36 | PRECASTPLUS | 9 | EF202 | BLOCK | - | EF211 |
| 2 | 695224 | FE666 | 18-00-00 | -49 | 4x17 | PRECAST | - | EF201 | BLOCK | - | EF211 |
| 3 | C050 | FE666 | 24-00-00 | -52 | 8x18 | PRECASTPLUS | 2 | EF202 | BLOCK | - | EF211 |
| 4 | C051 | FE666 | 28-00-00 | -55 | 8x24 | PRECASTPLUS | 3 | EF202 | BLOCK | - | EF211 |
| 5 | C008 | FE666 | 20-00-00 | -49 | 4x17 | PRECAST | - | EF201 | BLOCK | - | EF211 |
| 6 | C009 | FE666 | 26-00-00 | -49 | 4x17 | PRECAST | - | EF201 | BLOCK | - | EF211 |
| 7 | C052 | FE666 | 28-00-00 | -49 | 4x17 | PRECAST | - | EF201 | BLOCK | - | EF211 |
| 8 | C010 | FE666 | 24-00-00 | -49 | 4x17 | PRECAST | - | EF201 | BLOCK | - | EF211 |
| 9 | C011 | FE666 | 22-00-00 | -49 | 4x17 | PRECAST | - | EF201 | BLOCK | - | EF211 |

OPENING SCHEDULE

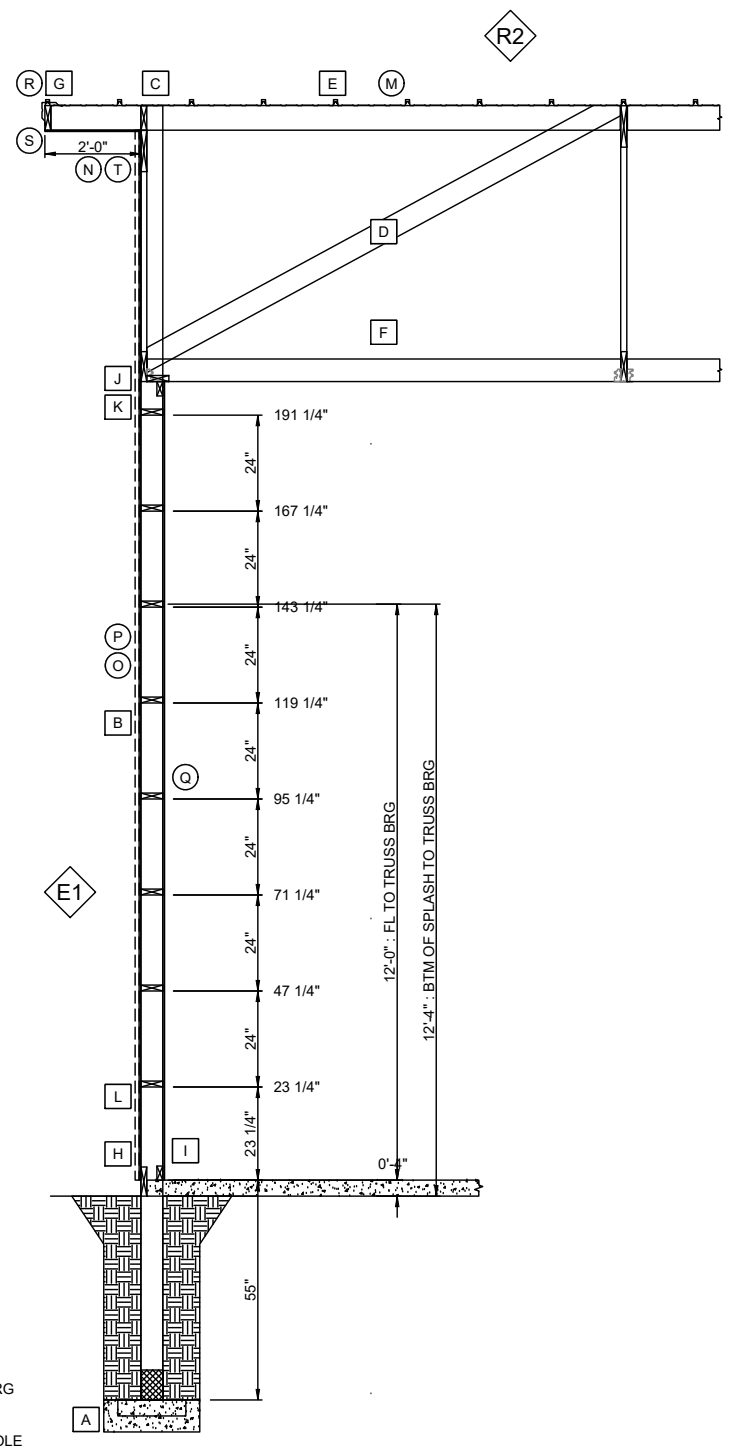
| ID | MODEL | COLOR | NOMINAL | ROUGH | FRAME DET | FINISH DET |
|----|-------------------------------------|-------|---------|-------|-----------|------------|
| A1 | 10' HIGH OVERHEAD DOOR OPENING | | 120x120 | | LK245 | F.B.O. |
| B1 | VINYL FIXED THERMAL PANE W/ NAILFIN | S WHT | 36x24 | 36x24 | KB431 | F.B.O. |
| C1 | 10' HIGH OVERHEAD DOOR OPENING | | 120x120 | | LK245 | F.B.O. |
| D1 | WALKDOOR - FBO | | 36x80 | | KC431 | F.B.O. |

ALL SEALS FOR THIS SET OF DRAWINGS ARE APPLIED TO THE COVER SHEET

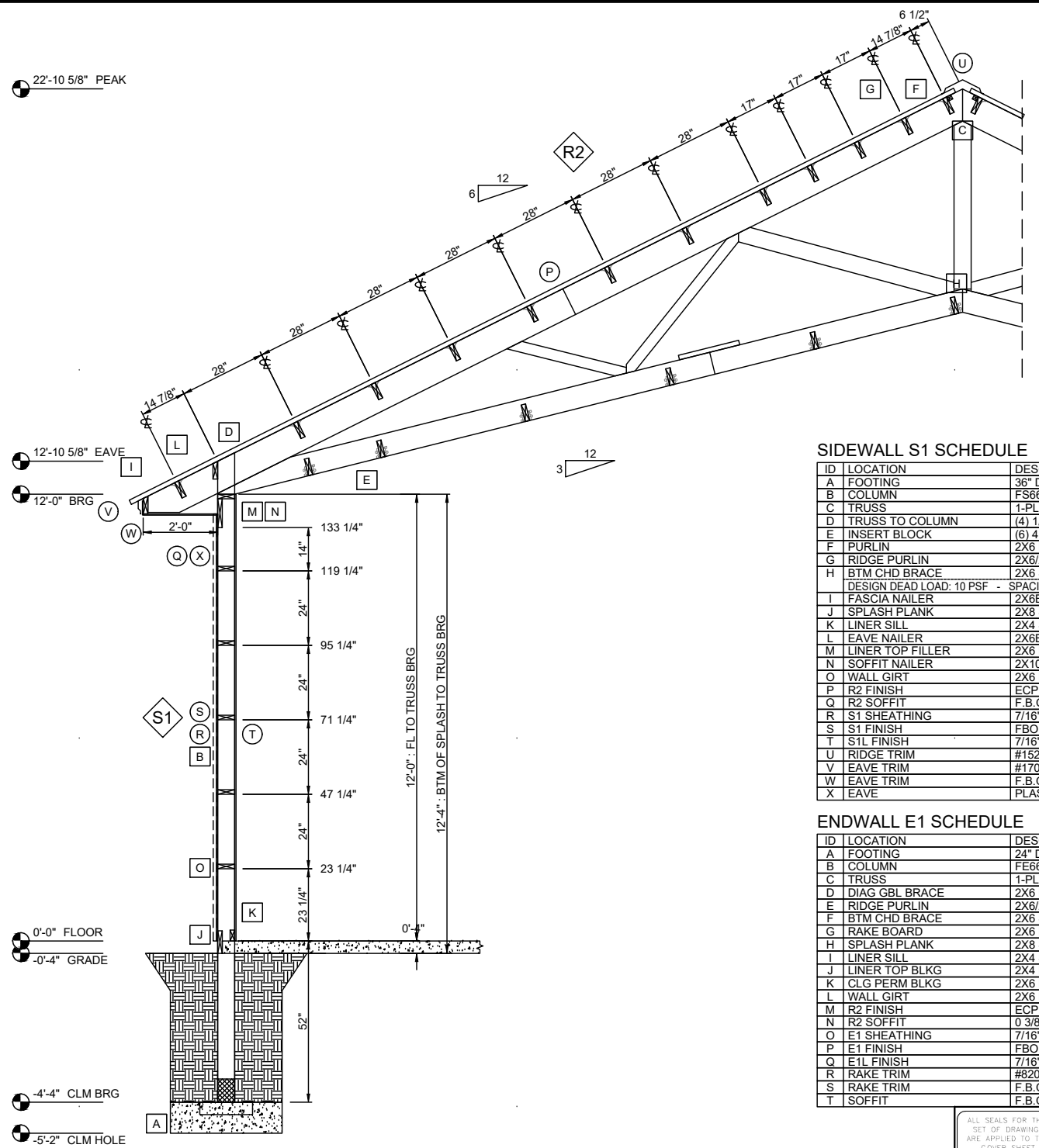
6/8/2023

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DA003 STRUCTURAL DESIGN - ONLY FULL R1
 ENGINEER STAMP BOX



A5 ENDWALL E1 SECTION
21'-0" FROM S2 1/4" = 1'-0"



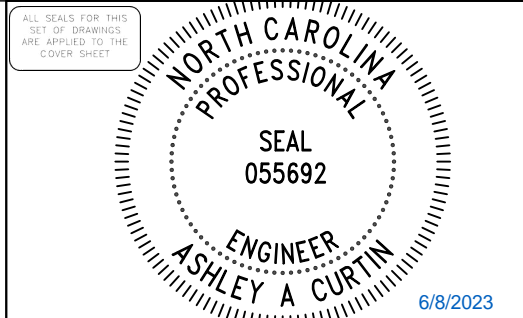
B5 SIDEWALL S1 SECTION
41'-0" FROM E1 1/4" = 1'-0"

SIDEWALL S1 SCHEDULE

| ID | LOCATION | DESCRIPTION | DETAILS |
|---|------------------|-------------------------------------|--------------|
| A | FOOTING | 36" DIA X 10" THK - PRECASTPLUS | EF202 |
| B | COLUMN | FS666 - ANCHOR: BLOCK | EF211 |
| C | TRUSS | 1-PLY 40'-0" TRUSS 2X10 TC / 2X8 BC | - |
| D | TRUSS TO COLUMN | (4) 1/4"x4.5" FLATLOK, STD. UNI | HD631 |
| E | INSERT BLOCK | (6) 4.5" FLATLOK SCREWS | FF390 |
| F | PURLIN | 2X6 LESTER NO.2 | GA122, IG246 |
| G | RIDGE PURLIN | 2X6/2X2 LESTER NO.2 | GA122, IG246 |
| H | BTM CHD BRACE | 2X6 SPF NO.2 | GA176, GA178 |
| DESIGN DEAD LOAD: 10 PSF - SPACING: ONE SIDE FROM PEAK: 1 @ 2'; 1 @ 46.5'; 3 @ 48'; 1 @ 24'; 1 @ 30.89' | | | |
| I | FASCIA NAILER | 2X6BEV DFL NO.2 | IF223 |
| J | SPLASH PLANK | 2X8 SYP NO.2 TRD 0.14 MCA-C | NE006, FF413 |
| K | LINER SILL | 2X4 SYP NO.2 TRD .25 BORATE | NE006 |
| L | EAVE NAILER | 2X6BEV DFL NO.2 | IF130 |
| M | LINER TOP FILLER | 2X6 LESTER NO.2 | IF062 |
| N | SOFFIT NAILER | 2X10 LESTER NO.1 | IF070 |
| O | WALL GIRT | 2X6 LESTER NO.2 | FF464 |
| P | R2 FINISH | ECP 26GA AZ50 SMP | JT040 |
| Q | R2 SOFFIT | F.B.O. | - |
| R | S1 SHEATHING | 7/16" OSB | MB510 |
| S | S1 FINISH | FBO - BOARD ON BATTEN | - |
| T | S1L FINISH | 7/16" OSB | MB211 |
| U | RIDGE TRIM | #152 SOLID RIDGECAP | JT405 |
| V | EAVE TRIM | #170 STANDARD EAVE | JT110 |
| W | EAVE TRIM | F.B.O. | - |
| X | EAVE | PLASTIC MESH | IF261 |

ENDWALL E1 SCHEDULE

| ID | LOCATION | DESCRIPTION | DETAILS |
|----|----------------|---|--------------|
| A | FOOTING | 24" DIA X 8" THK - PRECASTPLUS | EF202 |
| B | COLUMN | FE6666 - ANCHOR: BLOCK | EF211 |
| C | TRUSS | 1-PLY 40'-0" DROP GABLE TRUSS 2X8 TC / 2X6 BC | FF300 |
| D | DIAG GBL BRACE | 2X6 LESTER NO.2 | HB100, HB160 |
| E | RIDGE PURLIN | 2X6/2X2 LESTER NO.2 | IG246, GA122 |
| F | BTM CHD BRACE | 2X6 SPF NO.2 | GA178, GA176 |
| G | RAKE BOARD | 2X6 LESTER NO.2 | IG235 |
| H | SPLASH PLANK | 2X8 SYP NO.2 TRD 0.14 MCA-C | NE006, FF413 |
| I | LINER SILL | 2X4 SYP NO.2 TRD .25 BORATE | NE006 |
| J | LINER TOP BLKG | 2X4 LESTER NO.2 | IG334, IG336 |
| K | CLG PERM BLKG | 2X6 LESTER NO.2 | IG334, IG336 |
| L | WALL GIRT | 2X6 LESTER NO.2 | FF464 |
| M | R2 FINISH | ECP 26GA AZ50 SMP | JT040 |
| N | R2 SOFFIT | 0 3/8" VENTED SOFFIT | IF642 |
| O | E1 SHEATHING | 7/16" OSB | MB510 |
| P | E1 FINISH | FBO - BOARD ON BATTEN | - |
| Q | E1L FINISH | 7/16" OSB | MB211 |
| R | RAKE TRIM | #820 RAKE AND CORNER | JT201A |
| S | RAKE TRIM | F.B.O. | - |
| T | SOFFIT | F.B.O. | - |

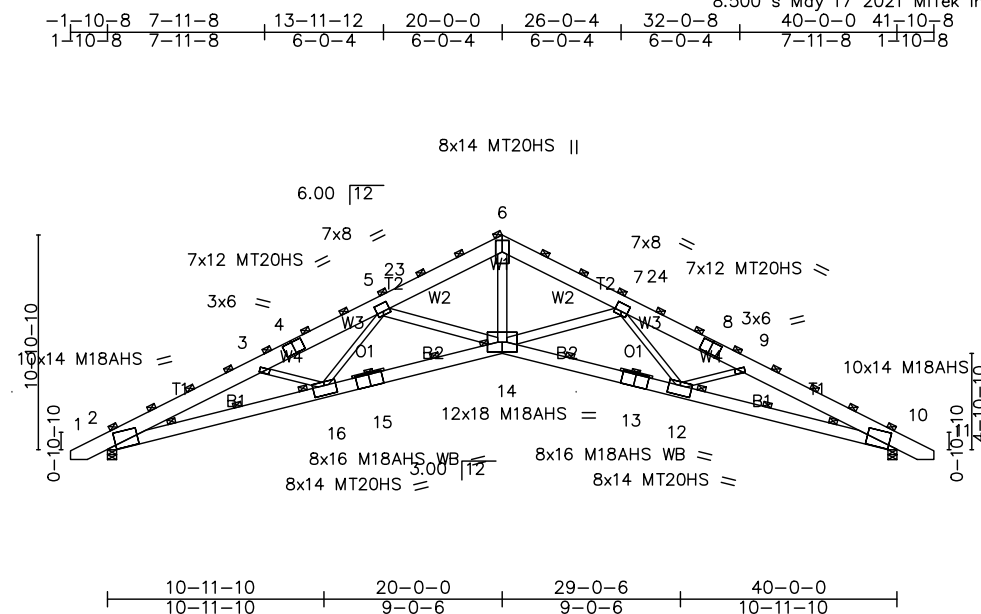


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DATE: 6/6/2023 SHEET 06 OF 17
 JOB-NUMBER 627123
 JOB DESCRIPTION: 40 X 50 X 12 embed building
 CUSTOMER: Chris Landes, 1199 Bradley Rd, Fuquay Varina, NC 27526
 DEALER: LESTER BUILDING SYSTEMS, LLC, 197 Scholl Shankle Rd, Hamlet, NC 28345-6003
 See Titleblock DRWN BY for Extension

| | | | | | |
|---------------|------------------|------------------------|----------|----------|---------------------------|
| Job 627123 | Truss T1-C001 | Truss Type SCISSORS | Qty 4 | Ply 1 | SOUTH ROCK BLDGS / LANDES |
|---------------|------------------|------------------------|----------|----------|---------------------------|

Lester Building Systems, AAC 8.500 s May 17 2021 MiTek Industries, Inc. Mon Jun 5 12:07:54 2023 Page 1



NOTE: THE TRUSSES FOR THIS JOB WERE DESIGNED AND MANUFACTURED BY LESTER BUILDING SYSTEMS, LLC WITH THE LOCATION AND ORIENTATION OF THE PURLINS AND BOTTOM CHORD BRACES AS SHOWN ON PAGE(S) 6 ANY DEVIATION FROM THIS WILL VOID THE SEALED DRAWING SET

| | |
|-----------------------|---|
| Plate Offsets (X,Y)-- | [2:0-5-7,0-1-6], [5:0-4-0,0-4-12], [7:0-4-0,0-4-12], [10:0-5-7,0-1-6], [12:0-7-0,0-5-12], [16:0-7-0,0-5-12] |
|-----------------------|---|

| | | | | | |
|------------------------|----------------------|-----------|-------------------------------|------------------------|---------|
| LOADING (psf) | SPACING-- | CSI. | DEFL. | PLATES | GRIP |
| TCLL (roof) 14.0 | 10-0-0 | TC 0.81 | in (loc) l/defl L/d | MT20 | 220/190 |
| Snow (Ps/Pg) 14.0/21.1 | Plate Grip DOL 1.15 | BC 0.93 | Vert(LL) -0.69 12-14 >696 240 | MT20HS | 165/143 |
| TCDL 4.0 | Lumber DOL 1.15 | WB 0.80 | Vert(CT) -1.41 12-14 >341 180 | M18AHS | 169/162 |
| BCLL 0.0 | Rep Stress Incr NO | Matrix-MR | Horz(CT) 1.01 10 n/a n/a | Weight: 386 lbFT = 10% | |
| BCDL 10.0 | Code IBC2018/TPI2014 | | Wind(LL) 0.56 14-16 >861 360 | | |

LUMBER--
 TC 2x10 M23/2400MSR 1.8E DF/SP
 BC 2x8 M23/2400MSR 1.8E DF/SP
 WB 2x4 #2 Lester *Except* W1,W2: 2x6 M23/2400MSR 1.8E DF/SP
 OTHERS 2x2 DF No.2 or 2x2 SP No.2

BRACING--
 TOP CHORD 2-4-0 oc purlins (2-5-5 max.).
 BOT CHORD 4-0-0 oc bracing.

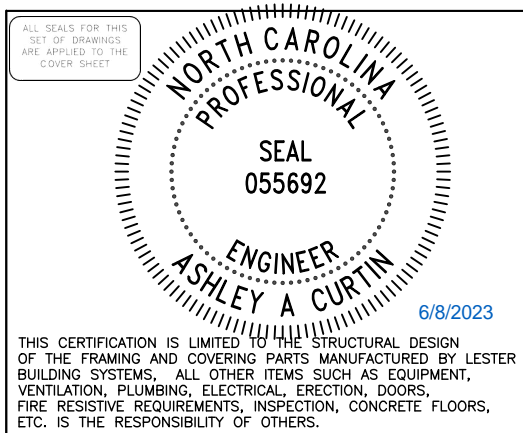
REACTIONS. (lb/size) 2=5861/0-5-8 (req. 0-6-0), 10=5861/0-5-8 (req. 0-6-0)
 Max Horz 2=-584(LC 9)
 Max Uplift 2=-1454(LC 11), 10=-1454(LC 12)
 Max Grav 2=5861(LC 2), 10=5861(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-17021/4272, 3-4=-16110/3698, 4-5=-16012/3747, 5-23=-12324/2489, 6-23=-11888/2547, 6-24=-11888/2613, 7-24=-12324/2555, 7-8=-16012/3236, 8-9=-16110/3187, 9-10=-17021/3791
 BOT CHORD 2-16=-4057/15422, 15-16=-3015/13738, 14-15=-2998/13899, 13-14=-2166/13899, 12-13=-2224/13738, 10-12=-3070/15422
 WEBS 6-14=-1733/9572, 3-16=-602/891, 5-16=-334/1714, 5-14=-3161/1436, 7-14=-3161/1460, 7-12=-376/1732, 9-12=-602/935

- NOTES--
- This truss has been checked for uniform roof live load only, except as noted.
 - Wind: ASCE 7-16; Vult=117mph (3-second gust) Vasd=92mph; TCDL=2.4psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=14.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=21.1 psf; Ps=14.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.79; Ct=1.20; Unobstructed slippery surface
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 17.7 psf on overhangs non-concurrent with other live loads.
 - Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - All plates are MT20 plates unless otherwise indicated.
 - WARNING: Required bearing size at joint(s) 2, 10 greater than input bearing size.
 - Bearing at joint(s) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1454 lb uplift at joint 2 and 1454 lb uplift at joint 10.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Purlins are supported between trusses by means of a ledger strip or purlin hanger.

LOAD CASE(S) Standard

DATE: 6/6/2023 SHEET 07 OF 17
 JOB-NUMBER 627123
 JOB DESCRIPTION: 40 X 50 X 12 embed building
 DRAWN BY: Dougalis Poe
 CHKD BY:
 REV NO: 0
 CUSTOMER: Chris Landes 27526
 1199 Bradley Rd
 Fuquay Varina, NC
 DEALER: South Rock Building Company LLC
 197 Scholl Shankle Rd
 Hamlet, NC 28345-6003
 LESTER BUILDING SYSTEMS, LLC
 TOLL-FREE: 800-826-4439
 See Titleblock DRWN BY for Extension



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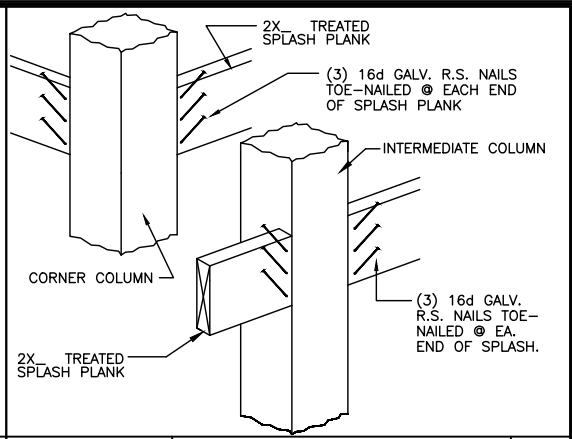
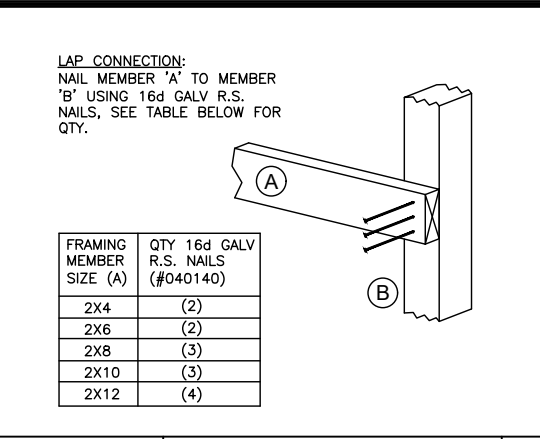
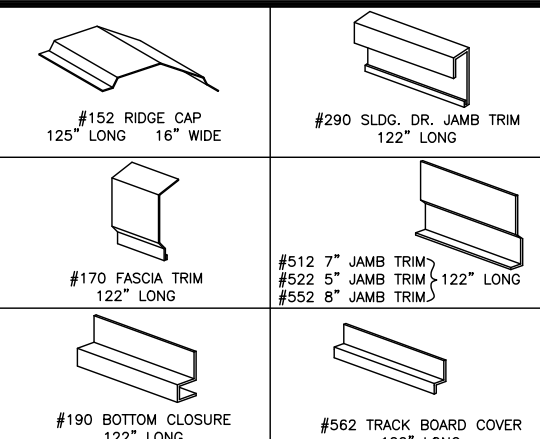
| | | | | | | |
|----------|------------------|----------|-------|--|------|----|
| CT627123 | TITLE1 TITLE2 | 1 PRE | DA003 | STRUCTURAL DESIGN - ONLY ENGINEER STAMP BOX | FULL | R1 |
|----------|------------------|----------|-------|--|------|----|

CONVERSION TO GUN NAIL

GUN NAIL REPLACEMENT FOR COMMON DETAILS
IF GUN NAILING SHOWN ON DETAILS - FOLLOW DETAIL
TLN NAILS REQUIRED FOR TREATED LUMBER

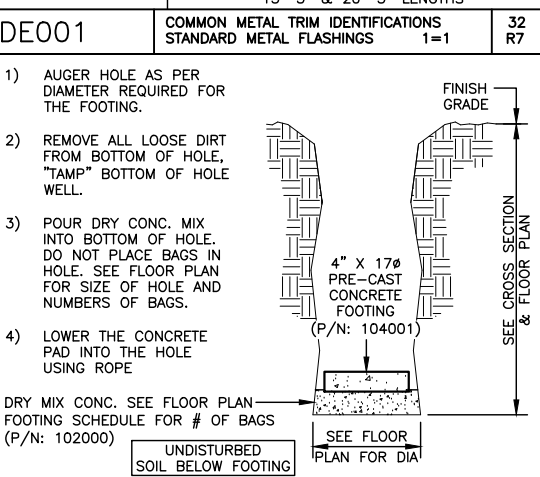
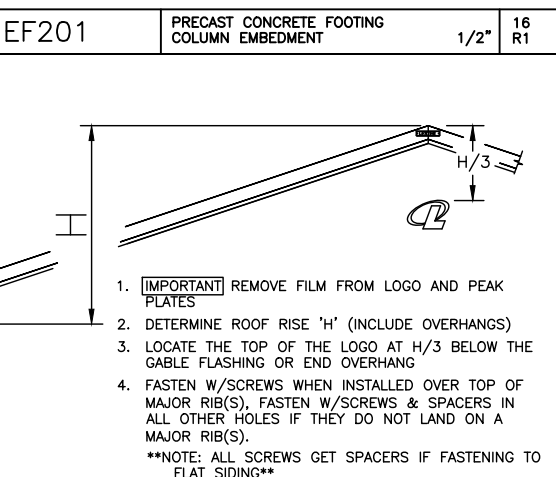
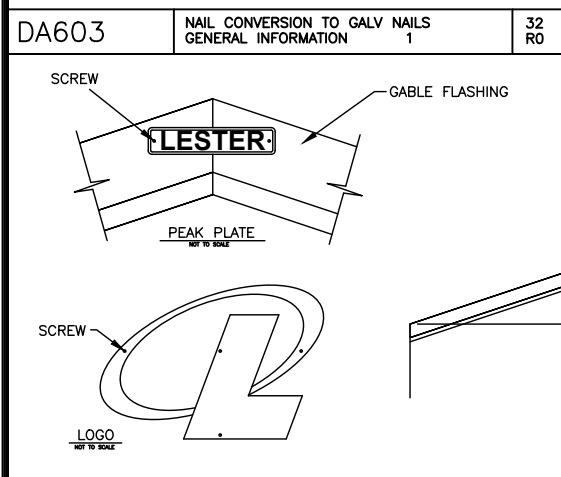
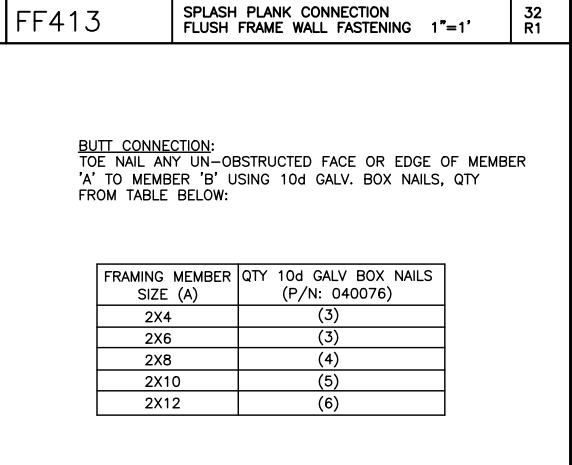
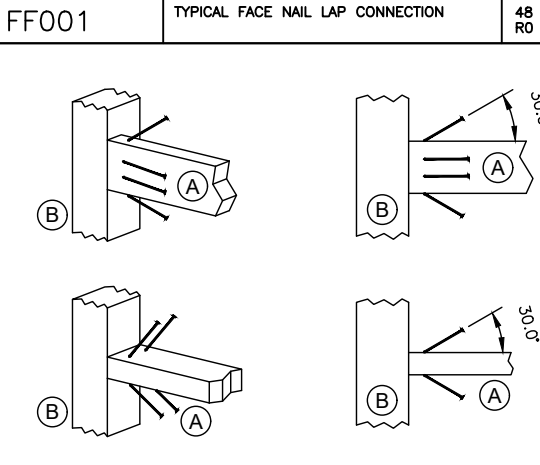
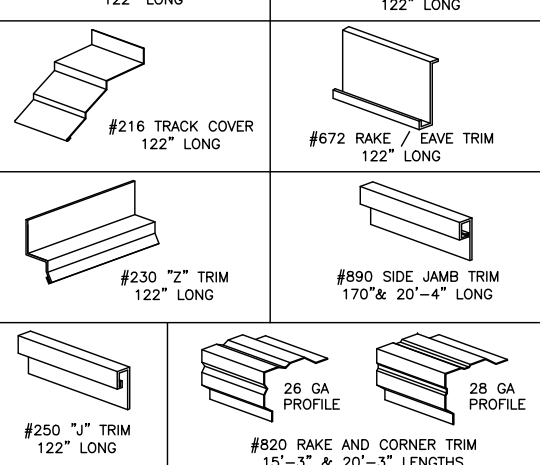
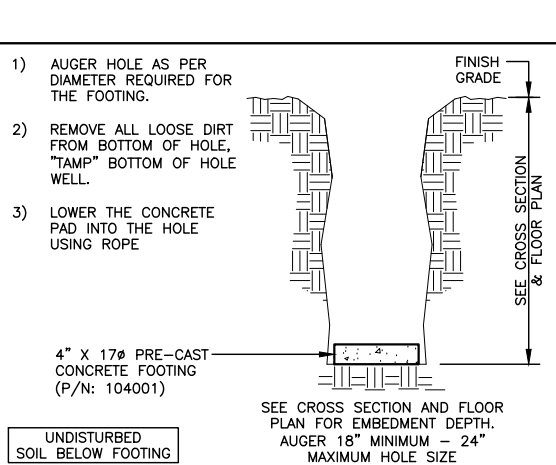
| HAND NAIL | GUN NAIL | MULTIPLICATION WOOD-WOOD | HANGER-WOOD | SAMPLE USE |
|-----------|-------------|--------------------------|-------------|---|
| 16d COM | 0.131"x3.25 | 1.5 | 1.7 | 2X4 PURLIN FLAT HAND NAIL (2) 16d COMMONS OR GUN NAIL (3) 0.131 X 3.25 SMOOTH |
| 16d R.S. | 0.131"x3.25 | 1.4 | 1.4 | FLAT GIRTS HAND NAIL (2) 16d RING SHANKS OR GUN NAIL (3) 0.131 X 3.25 SMOOTH |
| 10d COM | 0.131"x3.25 | 1 | 1.2 | SPLASHPLANK HAND NAIL (3) 16d RING SHANKS OR GUN NAIL (4) 0.131 X 3.25 SMOOTH |
| 10d CC | 0.131"x3.25 | 1 | 1 | SHELF GIRTS HAND NAIL (4) 10d BOX TOE NAILS OR GUN NAIL (4) 0.131 X 3.25 SMOOTH |
| 8d COM | 0.131"x2.5 | 1 | 1 | 5/8" SHEATHING PER DETAIL JDO24 & MB510 |

ONLY POWER DRIVEN NAILS LISTED IN "NATIONAL EVALUATION SERVICES REPORT NER-272 (POWER DRIVEN STAPLES AND NAILS FOR USE IN ALL TYPES OF BLDG. CONSTRUCTION) MAY BE USED. FULL HEAD OR CLIPPED HEAD POWER DRIVEN NAILS ONLY. T-HEADED NAILS AND STAPLES "MAY NOT" BE SUBSTITUTED FOR CONNECTIONS INDICATED ON DRAWINGS.



CONVERSION TO GALVANIZED NAIL

| | | |
|--------|----------------------------|-----------------|
| 040021 | 4d COMMON BRIGHT = 040082 | 4d GALV COMMON |
| 040025 | 8d COMMON BRIGHT = 040086 | 8d GALV COMMON |
| 040026 | 10d COMMON BRIGHT = 040087 | 10d GALV COMMON |
| 040028 | 16d COMMON BRIGHT = 040089 | 16d GALV COMMON |
| 040016 | 10d CC BOX = 040076 | 10d GALV BOX |



FF002 TYPICAL TOE-NAILED BUTT CONNECTION

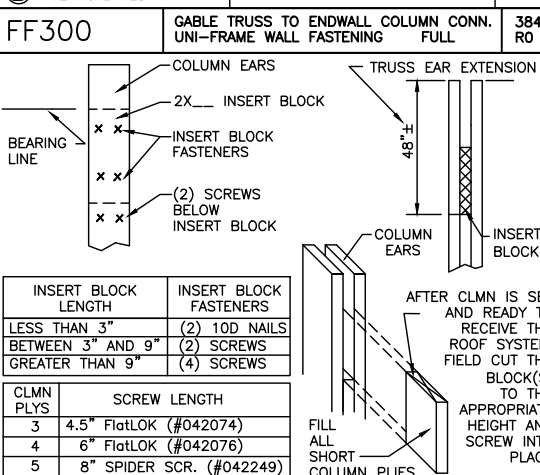
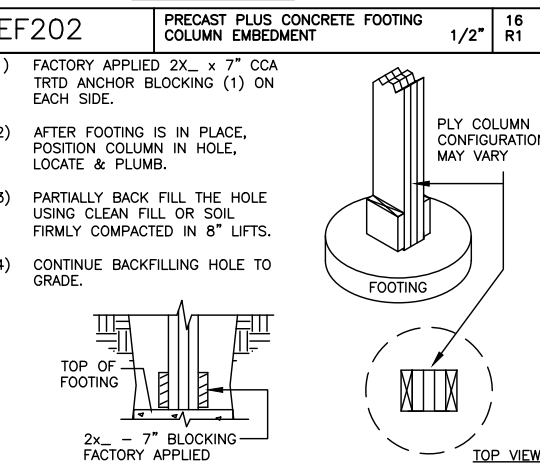
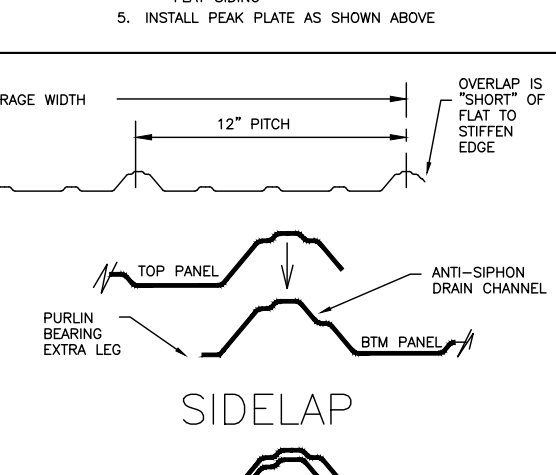
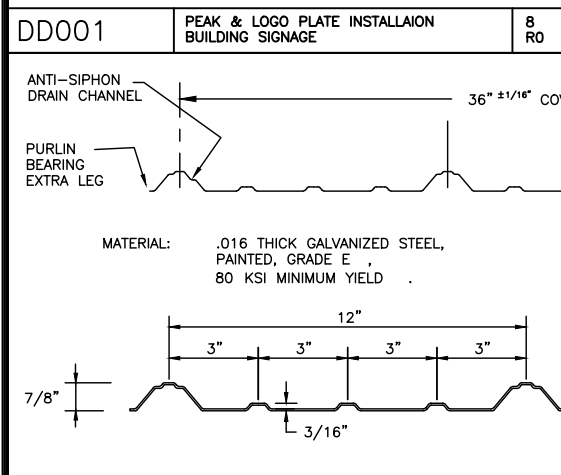
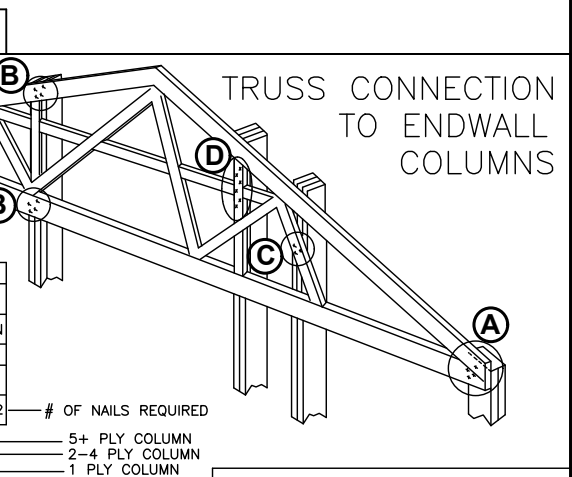
48 RO

NAIL QUANTITIES @ VARIOUS LOCATIONS

| LOCATION | HEEL DEPTH | | | | |
|------------------------------|----------------------|-------|-------|-------|---------------------|
| | 6" | 8" | 10" | 12" | CUSTOM |
| A HEEL | 4 | 6 | 8 | 10 | SEE EW FRAMING PLAN |
| B TOP OR BTM. CHORD | SIZE OF TRUSS MEMBER | | | | |
| | 2X4 | 2X6 | 2X8 | 2X10 | 2X12 |
| C DIAGONAL & HORIZONTAL WEBS | 2/2/3 | 2/3/4 | 2/3/4 | 4/5/6 | |
| D VERTICAL WEB | 12" O.C. EACH PLY | | | | |

OF NAILS REQUIRED:
5+ PLY COLUMN
2-4 PLY COLUMN
1 PLY COLUMN

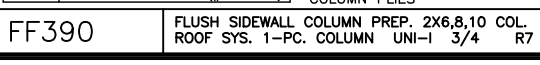
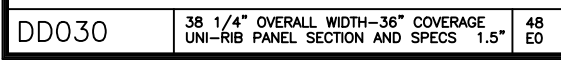
NOTE: USE 16d RS NAILS FOR 1 PLY TRUSS
USE 60d RS NAILS FOR 2 PLY TRUSS



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6/8/2023

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DATE: 6/6/2023 SHEET 08 OF 17

JOB NUMBER 627123

DRWN BY: Douglas Poe

CHKD BY:

REV NO. 0

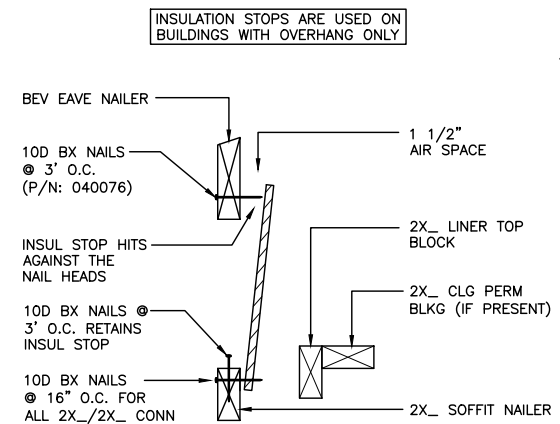
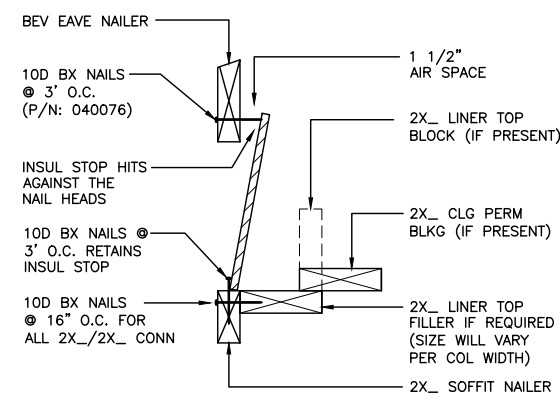
JOB DESCRIPTION: 40 X 50 X 12 embed building

CUSTOMER: Chris Landes, 1199 Bradley Rd, Fuquay Varina, NC 27526

DEALER: Lester Building Systems, LLC, 197 Scholl Shankle Rd, Hamlet, NC 28345-6003

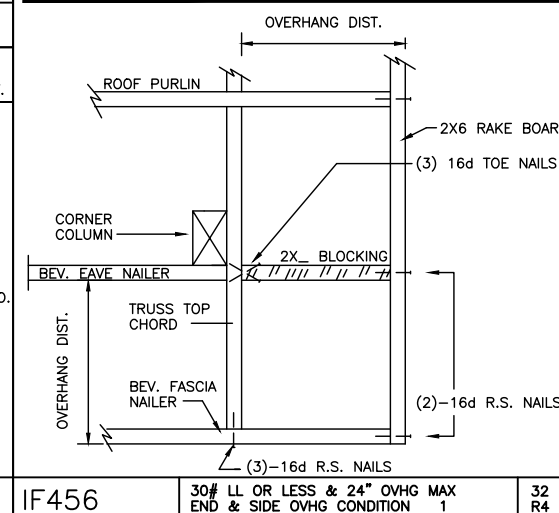
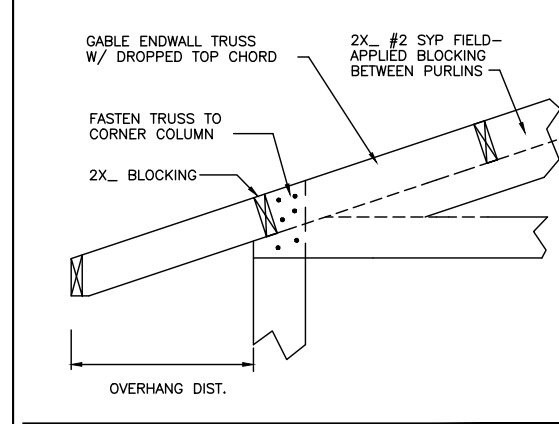
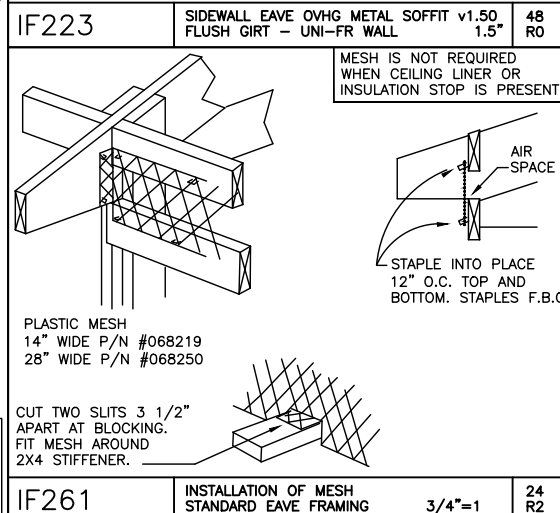
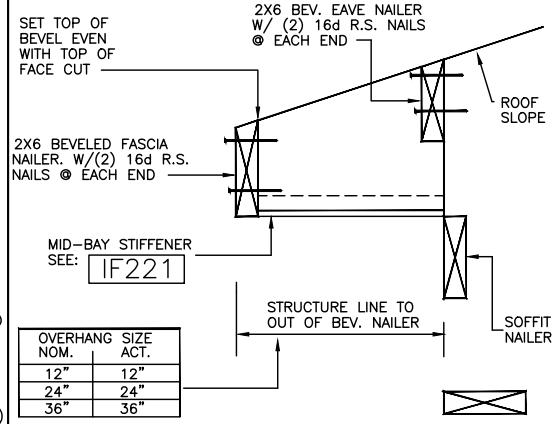
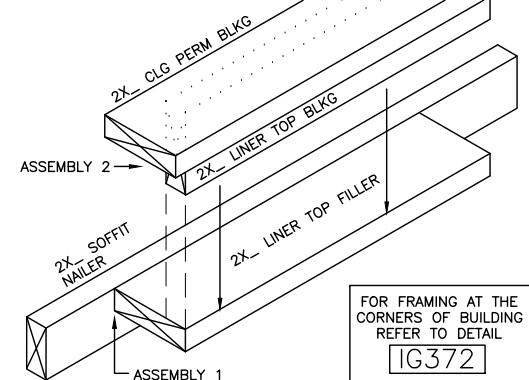
TOLL-FREE: 800-826-4439

See Titleblock DRWN BY for Extension



INSTRUCTIONS:

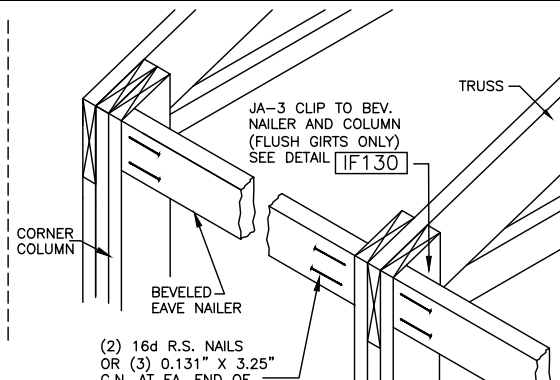
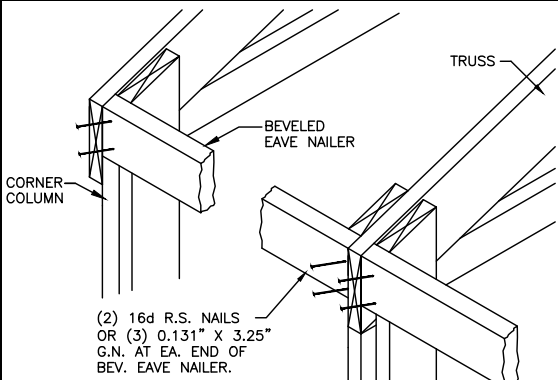
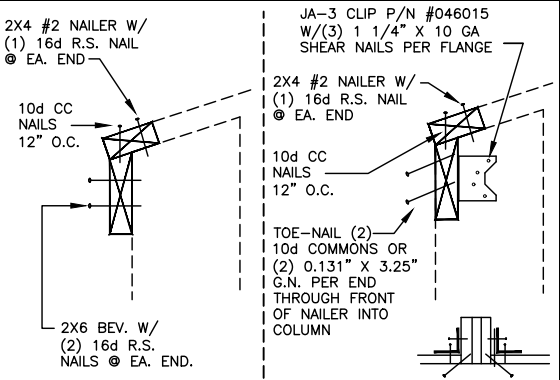
1. OVERHANG EAVES ONLY!! HAMMER NAILS THROUGH 2X6 BEV EAVE NAILER SO NAIL HEAD EXTENDS 1 1/2" TO THE INSIDE FACE.
2. ON THE GROUND, OFFSET THE SOFFIT NAILER TO THE LINER TOP FILLER. OFFSET AT EACH END TO ALLOW FOR COLUMN SIZE. (ASSEMBLY 1)
3. AT THE SIDEWALL EAVE LINE, FASTEN THE SOFFIT NAILER/LINER TOP FILLER ASSEMBLY INTO PLACE AT EACH COLUMN.
4. OVERHANG EAVE ONLY!! PRE-CUT THE INSUL STOPS TO FIT BETWEEN COLUMNS, FASTEN INTO PLACE AT THE BACK SIDE OF THE SOFFIT NAILER. THE TOP EDGE SHOULD REST AGAINST THE NAIL HEADS AT THE BEV EAVE NAILER.
5. IF A LINER TOP BLOCK IS USED, ATTACH TO THE CEILING PERIMETER BLOCKING ON THE GROUND. OFFSET AT EACH END TO ALLOW FOR COLUMN SIZE. (ASSEMBLY 2)
6. AT THE SIDEWALL EAVE LINE, FASTEN THE LINER TOP BLKG/CEILING PERM BLKG ASSEMBLY INTO PLACE AT EACH COLUMN.
7. LASTLY NAIL LINER TOP FILLER TO THE LINER TOP BLKG ALONG THE EDGE.



IF070 LINER BLKG ASSEMBLY INSTRUCTIONS SIDEWALL LINER 1.5" 48 R1

IF223 SIDEWALL EAVE OVHG METAL SOFFIT v1.50 FLUSH GIRT - UNI-FR WALL 1.5" 48 R0

IF223 SIDEWALL EAVE OVHG METAL SOFFIT v1.50 FLUSH GIRT - UNI-FR WALL 1.5" 48 R0

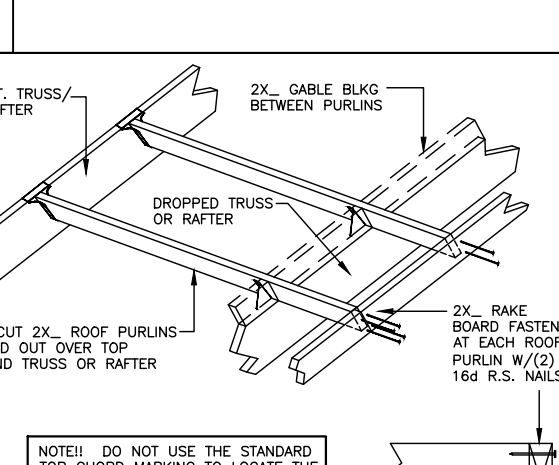
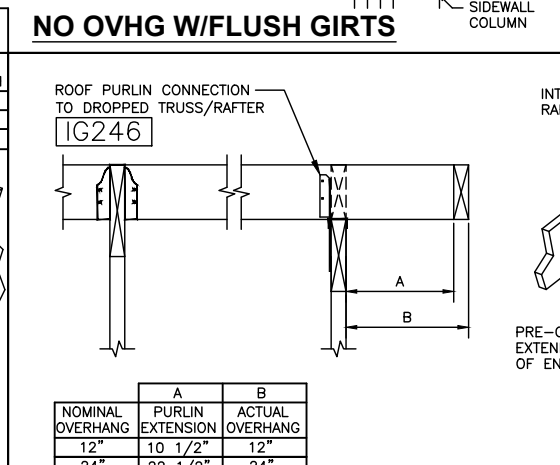
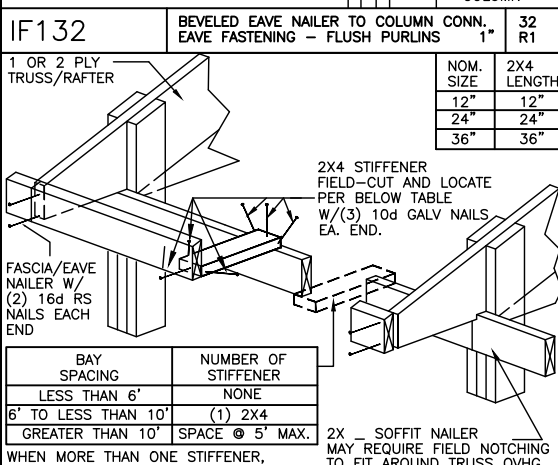
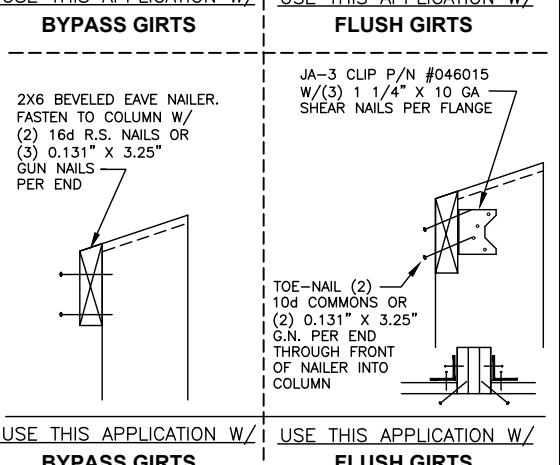


IF130 EAVE NAILER FRAMING 2x6/2x4 & 2X6 EAVE NAILERS 1.5" 48 R4

IF132 BEVELED EAVE NAILER TO COLUMN CONN. EAVE FASTENING - FLUSH PURLINS 1" 32 R1

IF261 INSTALLATION OF MESH STANDARD EAVE FRAMING 3/4"=1 24 R2

IF456 30# LL OR LESS & 24" OVHG MAX END & SIDE OVHG CONDITION 1 32 R4



IF130 EAVE NAILER FRAMING 2x6/2x4 & 2X6 EAVE NAILERS 1.5" 48 R4

IF221 BEV EAVE NAILER TO COLUMN CONN. EAVE FASTENING - FLUSH PURLINS 1" 32 R1

IF246 ROOF PURLIN CONNECTION TO DROPPED TRUSS/RAFTER 1" 32 R2

IF246 ROOF PURLIN CONNECTION TO DROPPED TRUSS/RAFTER 1" 32 R2

DATE: 6/6/2023
JOB NUMBER: 627123
SHEET: 10 OF 17

DRWN BY: Douglas Poe
CHKD BY: [Blank]
REV NO: 0

JOB DESCRIPTION: 40 X 50 X 12 embed building

CUSTOMER: Chris Landes
1199 Bradley Rd
Fuquay Varina, NC 27526

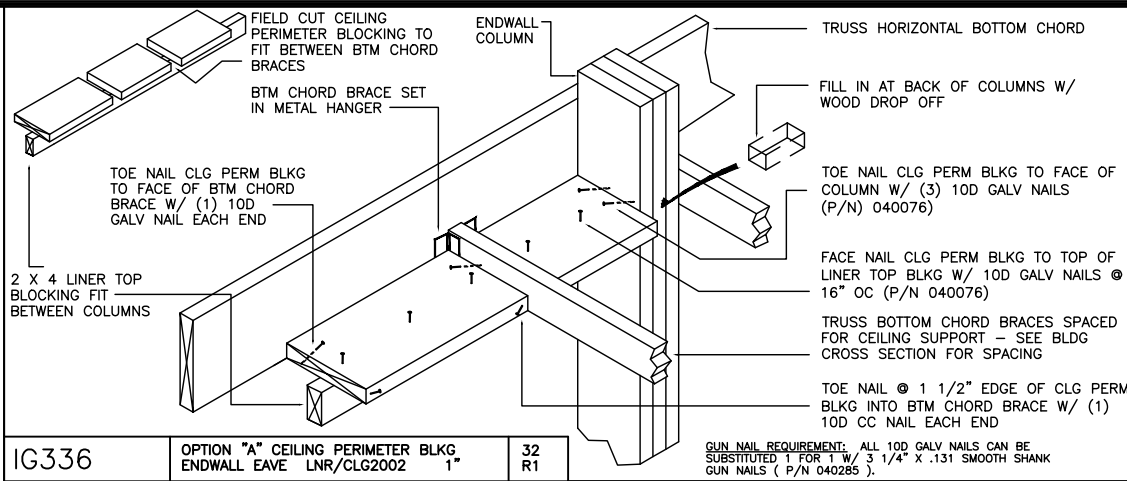
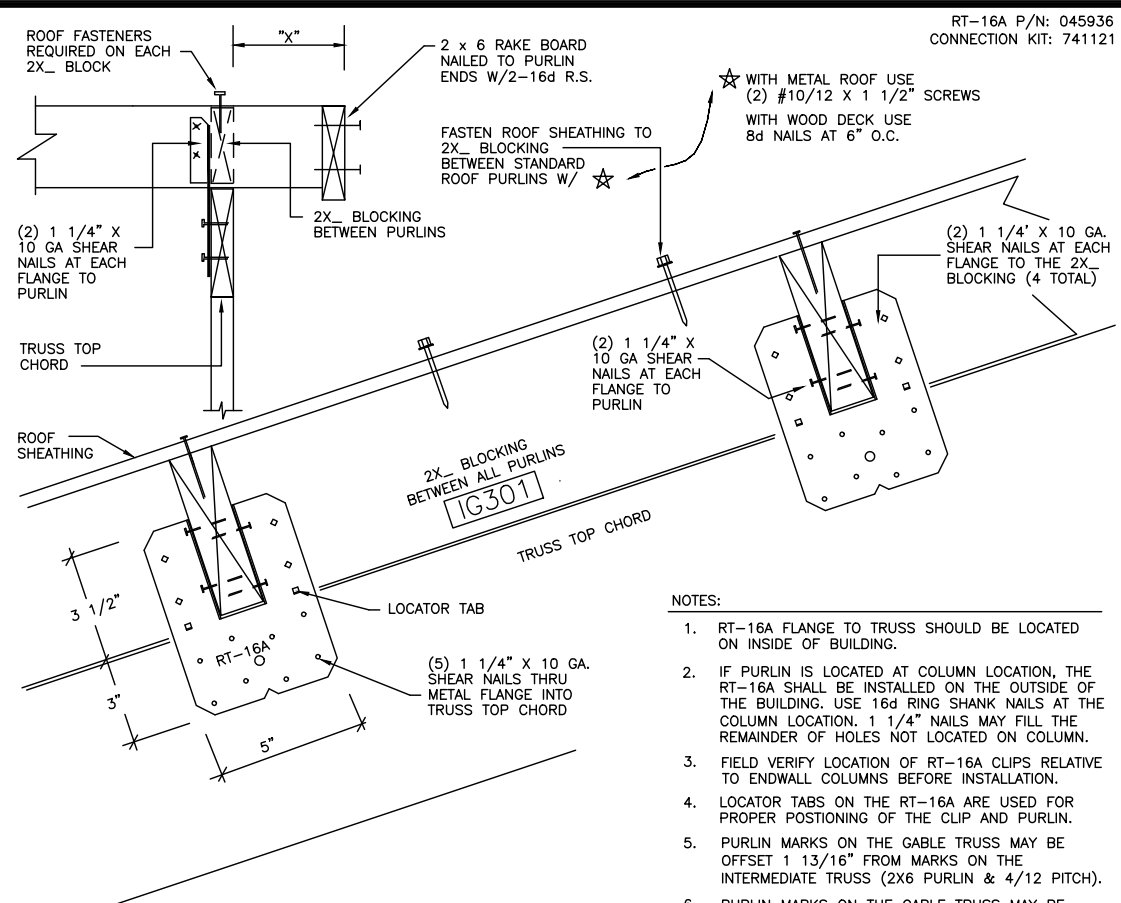
DEALER: South Rock Building Company LLC
197 Scholl Shankle Rd
Hamlet, NC 28345-6003

LESTER BUILDING SYSTEMS, LLC
TOLL-FREE: 800-826-4439
See Titleblock DRWN BY for Extension

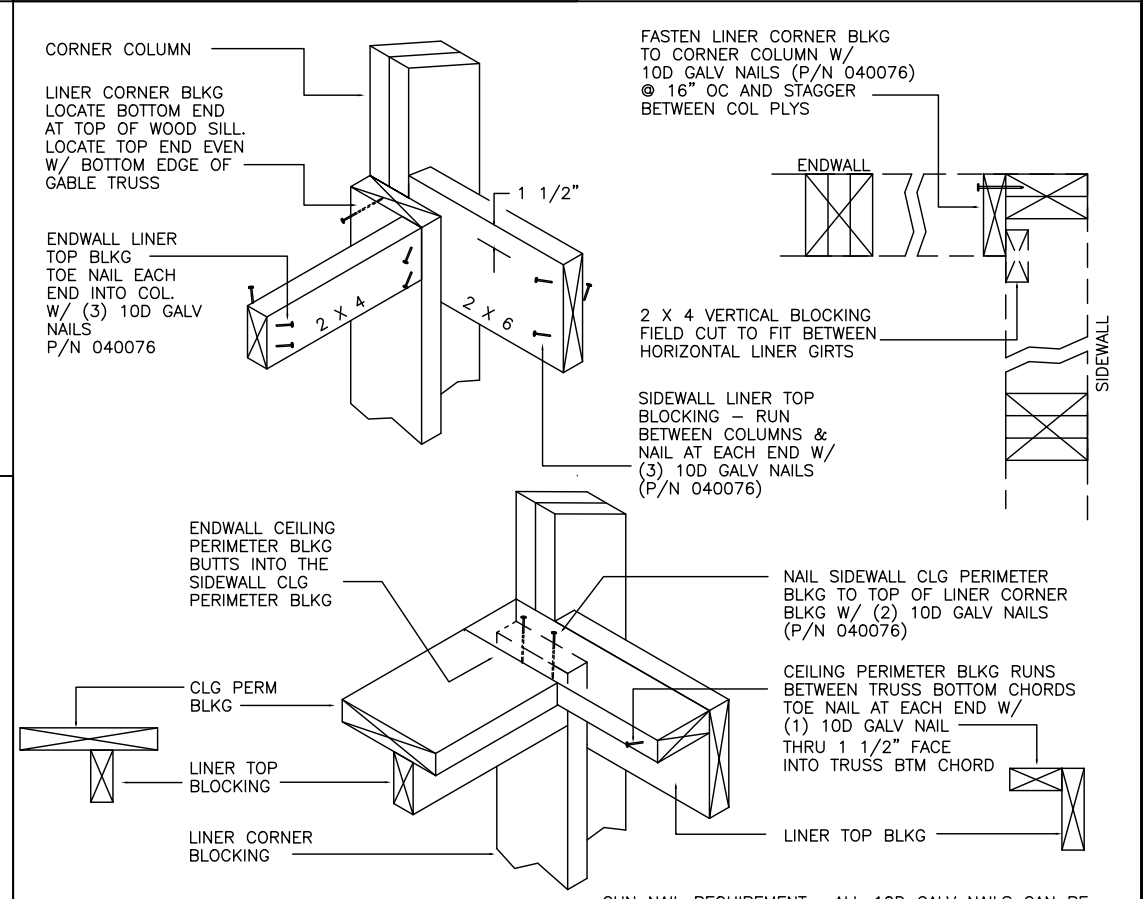
NORTH CAROLINA PROFESSIONAL SEAL
SEAL 055692
ENGINEER
ASHLEY A CURTIN
6/8/2023

THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY LESTER BUILDING SYSTEMS. ALL OTHER ITEMS SUCH AS EQUIPMENT, VENTILATION, PLUMBING, ELECTRICAL, ERECTION, DOORS, FIRE RESISTIVE REQUIREMENTS, INSPECTION, CONCRETE FLOORS, ETC. IS THE RESPONSIBILITY OF OTHERS.

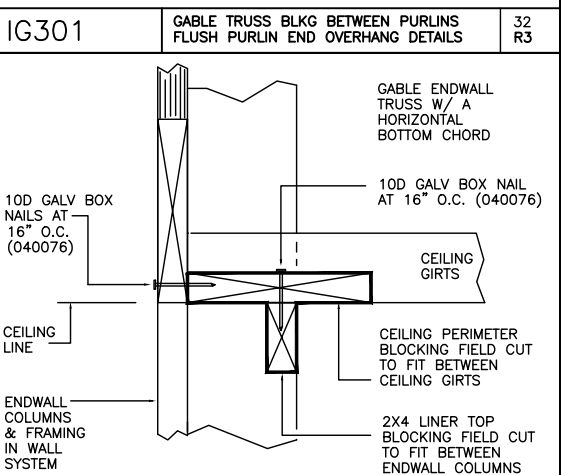
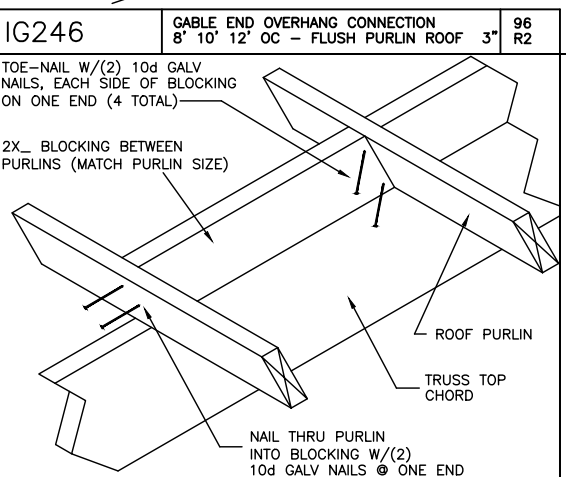
DA003 STRUCTURAL DESIGN - ONLY FULL R1



| | | |
|-------|---|-------|
| IG336 | OPTION "A" CEILING PERIMETER BLKG ENDWALL EAVE LNR/CLG2002 1" | 32 R1 |
|-------|---|-------|



| | | |
|-------|--|-------|
| IG372 | CORNER FRAMING @ TOP OF LINER CORNER LINER LNR/CLG2002 1.5 | 48 R1 |
|-------|--|-------|



| | | |
|-------|--|-------|
| IG334 | OPTION "A" LINER TO CEILING BLOCK ENDWALL - LNR/CLG2002 2" | 64 R1 |
|-------|--|-------|

NAIL LINER/CEILING BLOCKING BEFORE ENDWALL UNI-RIB

INSTRUCTIONS:

NOTE! - DO NOT INSTALL THE ENDWALL EXTERIOR SHEATHING UNTIL AFTER THE LINER/CEILING BLOCKING IS NAILED TO THE TRUSS BOTTOM CHORD

- INSTALL THE CEILING BTM CHORD BRACES IN THE FIRST ENDWALL BAY.
- FASTEN INTO PLACE THE LINER TOP BLOCKING. NAIL AT EACH ENDWALL COLUMN TO THE UNDER SIDE OF THE BOTTOM CHORD BRACES
- LOCATE THE CEILING PERIMETER BLOCKING AGAINST THE BACK SIDE OF THE GABLE TRUSS.
- FROM THE OUTSIDE OF THE ENDWALL - NAIL THRU THE TRUSS BOTTOM CHORD INTO THE CEILING PERIMETER BLOCKING.
- FASTEN W/ 10D GALV NAILS AT 16" ON CENTER CONTINUOUS. ON A 46 1/2" PIECE - THERE SHOULD BE 3 NIALS INTO EACH.

NOTE ! FOR NAILING BOXED UNIT TO COLUMN - SEE NOTES ON DETAIL : **IG372**

TRUSS
BOTTOM
CHORD

CEILING
PERIMETER
BLOCKING

10d GALV
NAILS @
16"
O.C.

LINER
TOP
BLOCKING

| | | |
|-------|--|-------|
| IG332 | BLOCKING ASSEMBLY INSTRUCTIONS ENDWL LINER-CEILING LNR/CLG2002 1.5 | 48 R1 |
|-------|--|-------|

DATE: 6/6/2023
SHEET 11 OF 17
JOB-NUMBER 627123
JOB DESCRIPTION: 40 X 50 X 12 embed building
CUSTOMER: Chris Landes 27526
South Rock Building Company LLC 1199 Bradley Rd
197 Scholl Shankle Rd Fuquay Varina, NC 28345-6003
DEALER: LESTER BUILDING SYSTEMS, LLC 800-826-4439
TOLL-FREE: 800-826-4439
See Titleblock DRWN BY for Extension

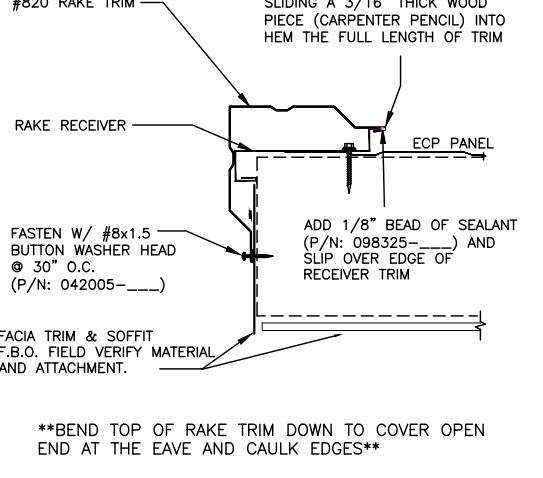
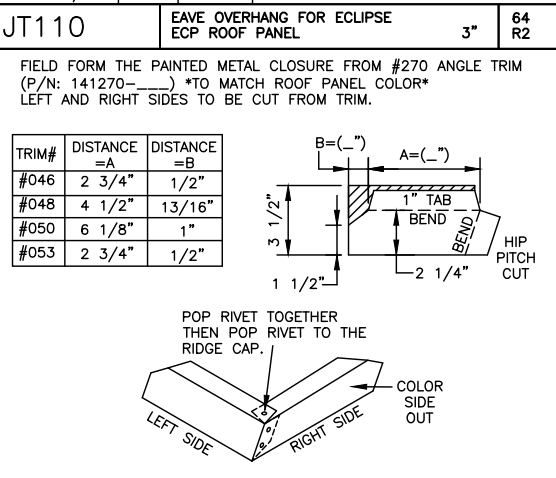
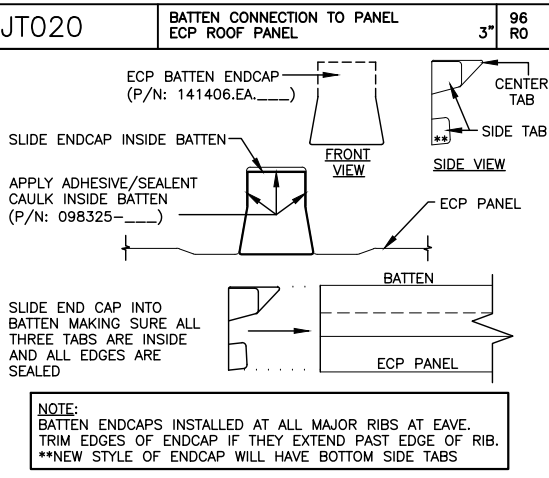
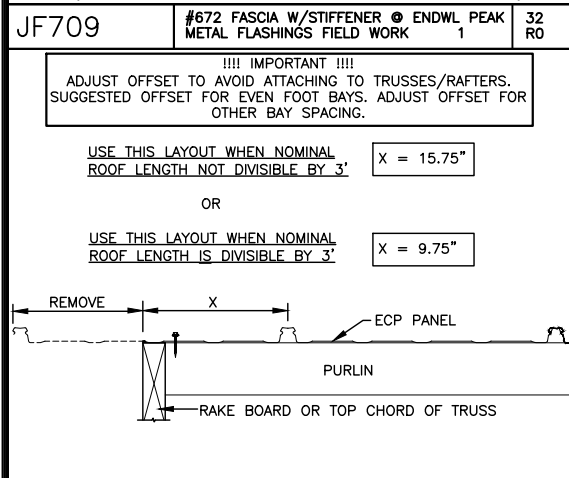
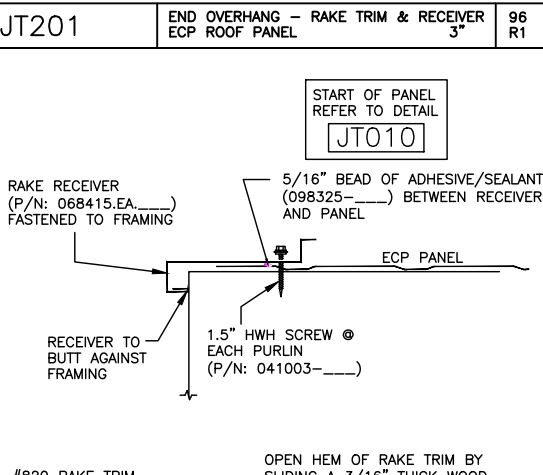
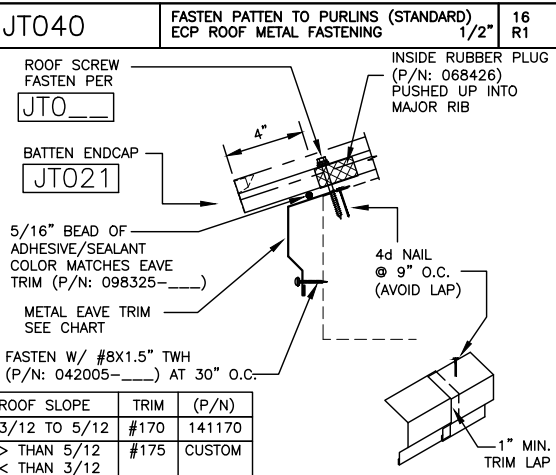
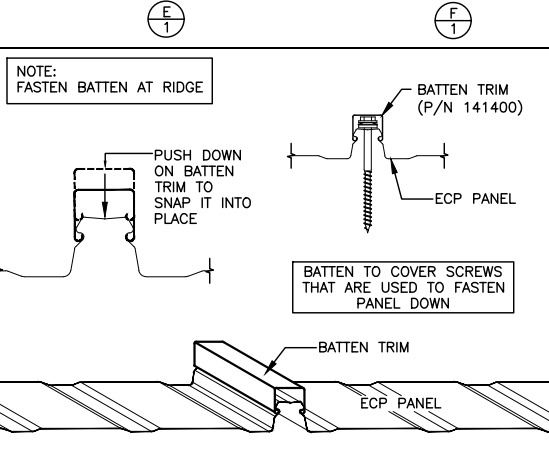
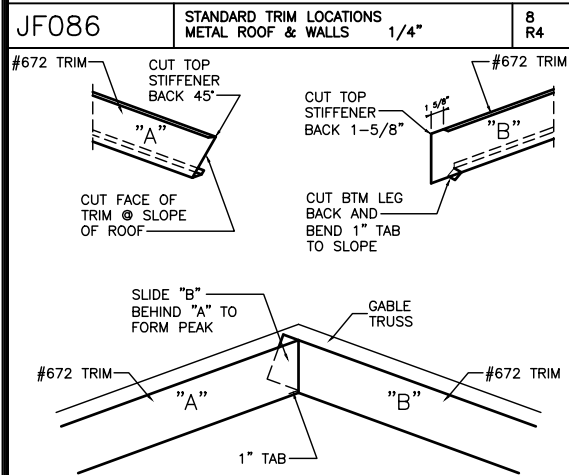
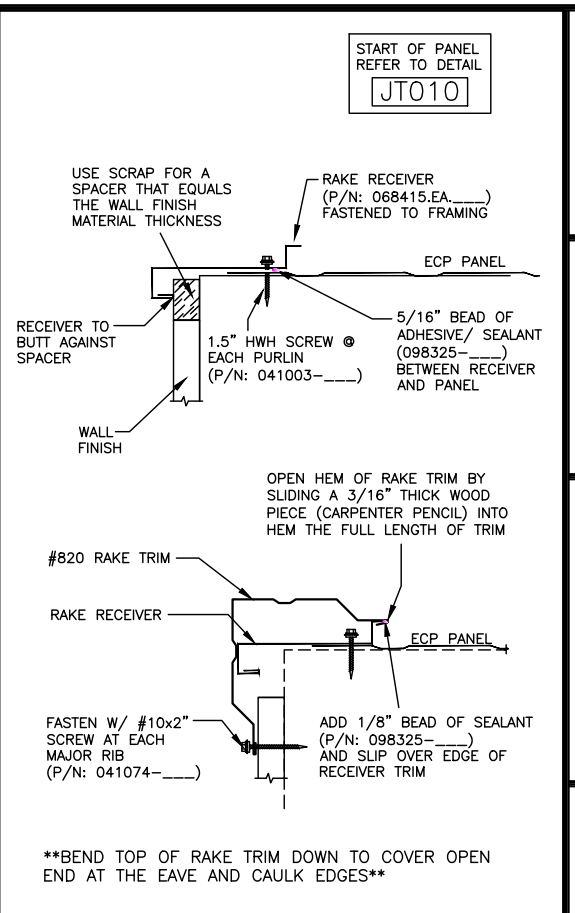
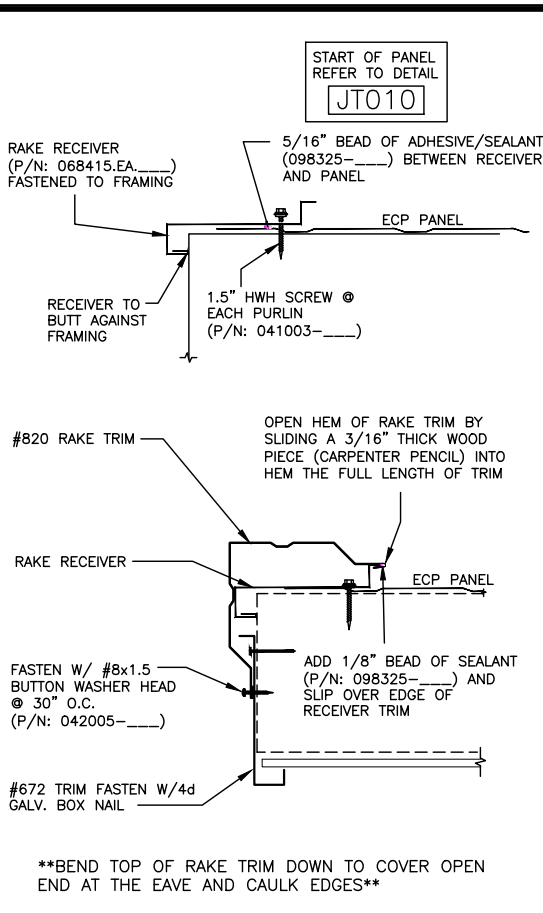
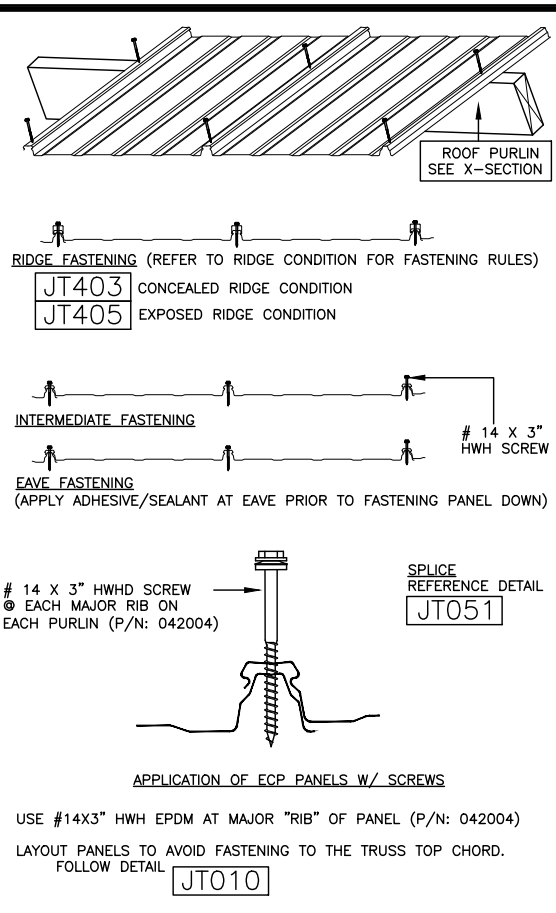
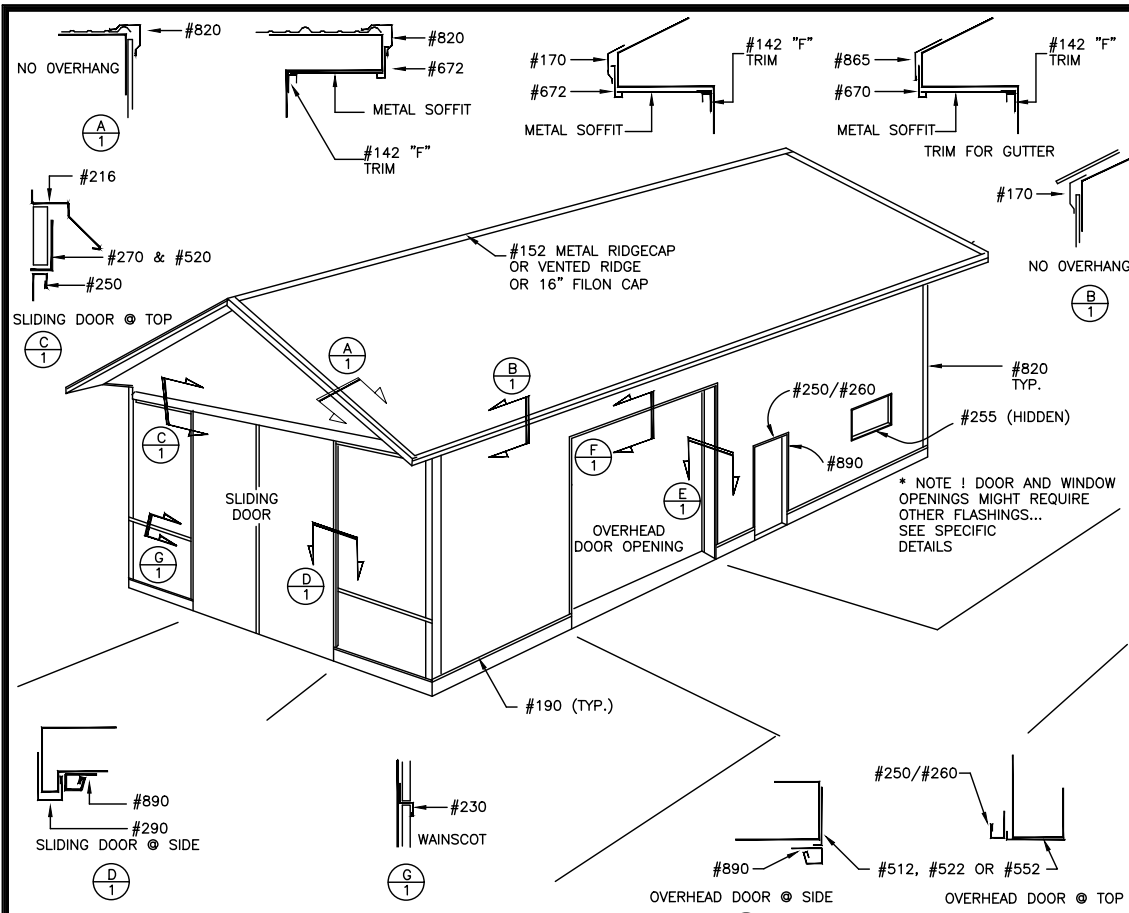
GUN NAIL REQUIREMENT: ALL 10D GALV NAILS CAN BE SUBSTITUTED 1 FOR 1 W/ 3 1/4" X .131 SMOOTH SHANK GUN NAILS (P/N 040285)

ALL SEALS FOR THIS SET OF DRAWINGS ARE APPLIED TO THE COVER SHEET

6/8/2023

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| | | | |
|-------|---|------|----|
| DA003 | STRUCTURAL DESIGN - ONLY ENGINEER STAMP BOX | FULL | R1 |
|-------|---|------|----|



ALL SEALS FOR THIS SET OF DRAWINGS ARE APPLIED TO THE COVER SHEET

NORTH CAROLINA PROFESSIONAL SEAL 055692

ENGINEER ASHLEY A CURTIN

6/8/2023

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DATE: 6/6/2023 SHEET 12 OF 17

JOB NUMBER 627123

JOB DESCRIPTION: 40 X 50 X 12 embed building

DRWN BY: Douglas Poe

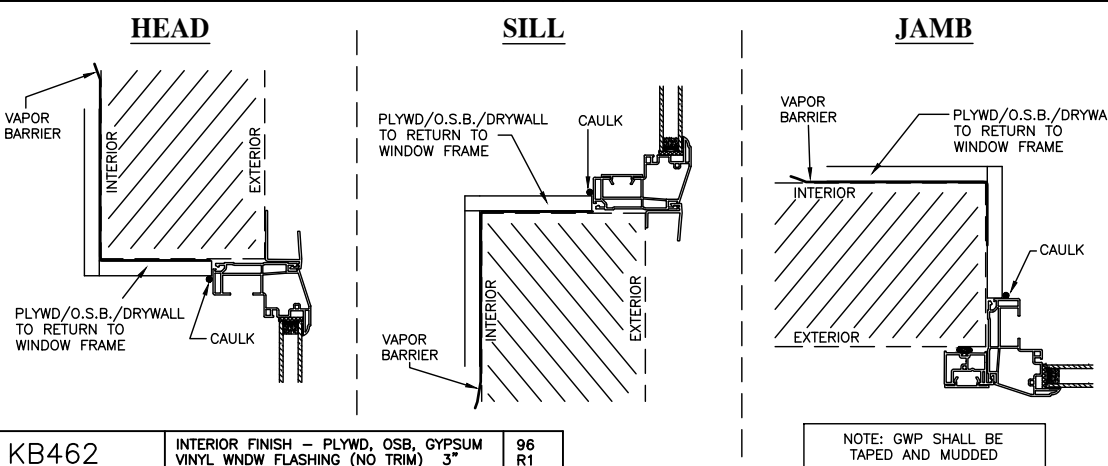
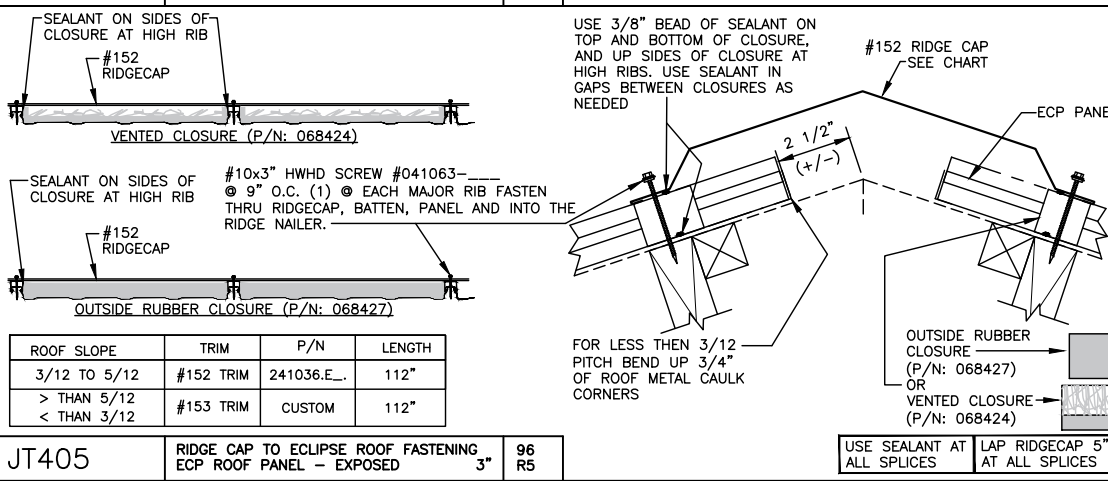
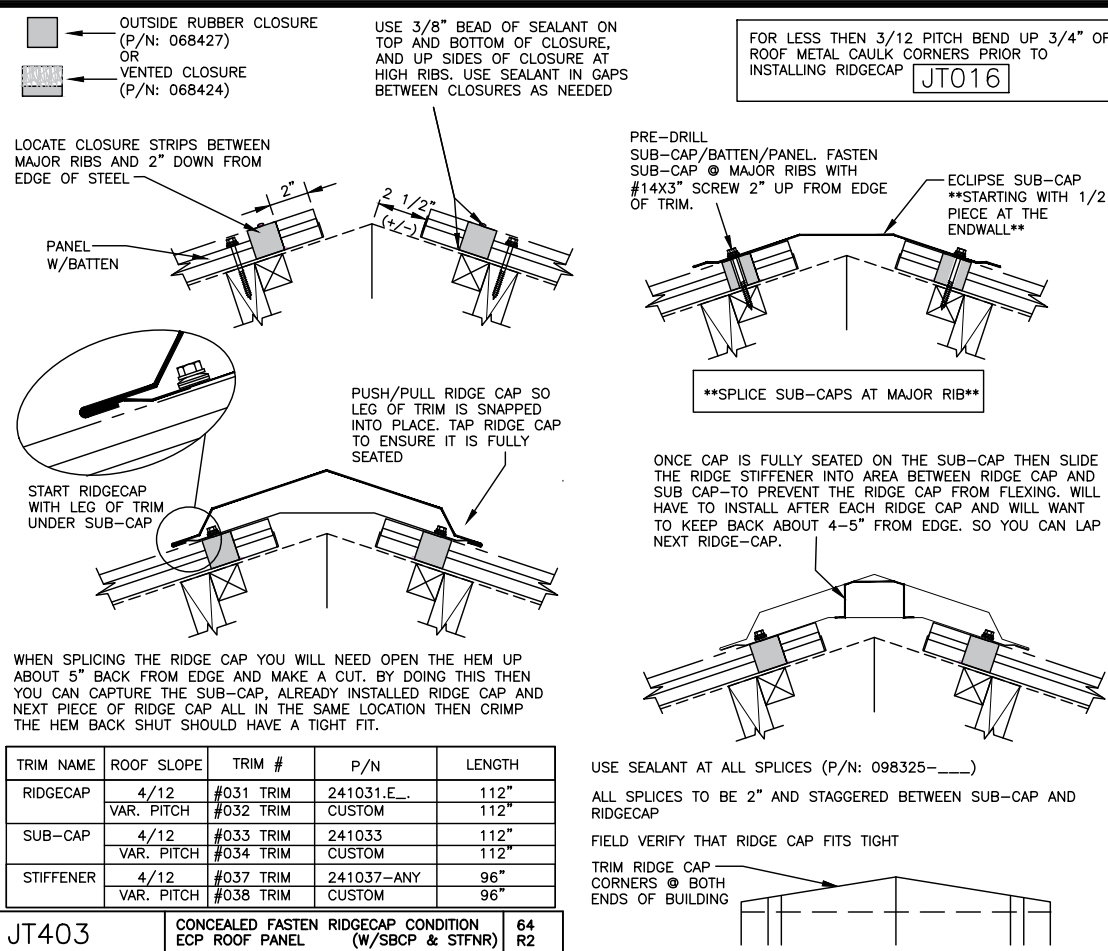
CHKD BY:

REV NO: 0

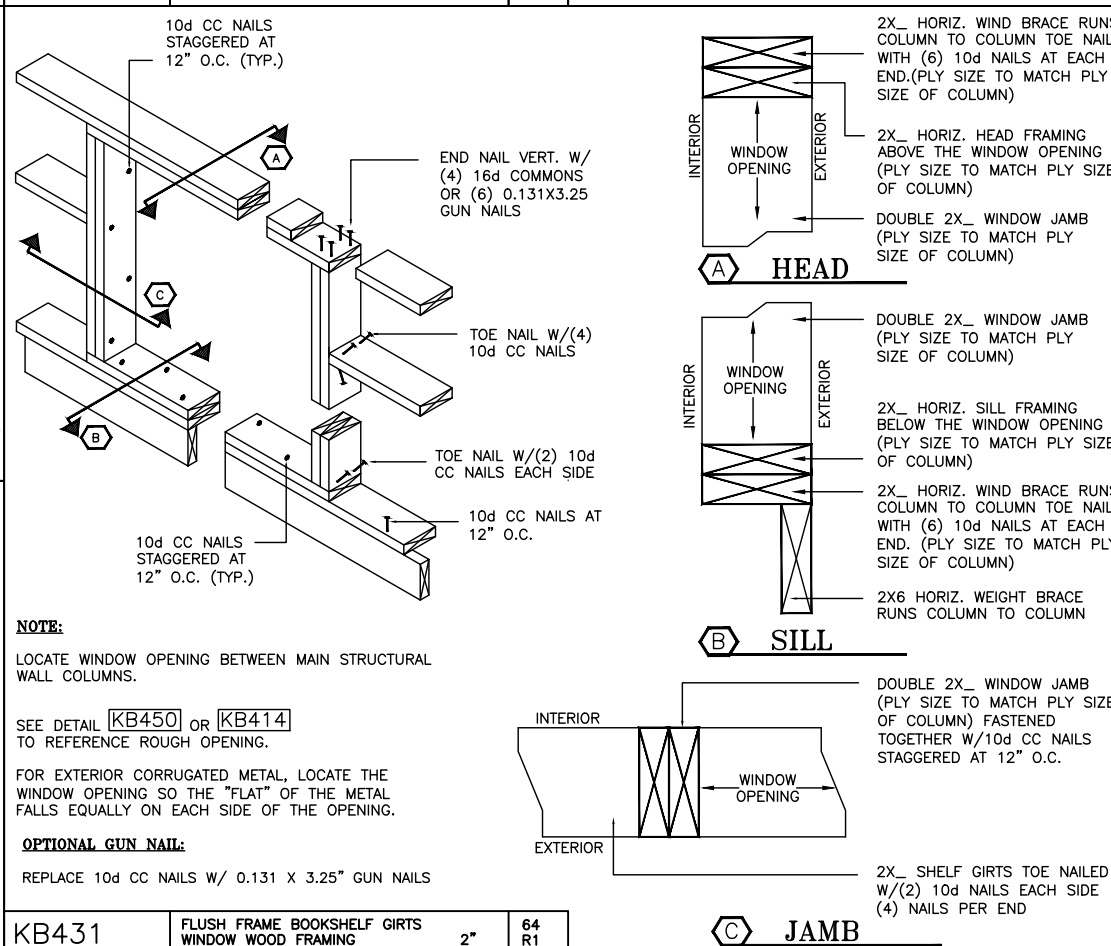
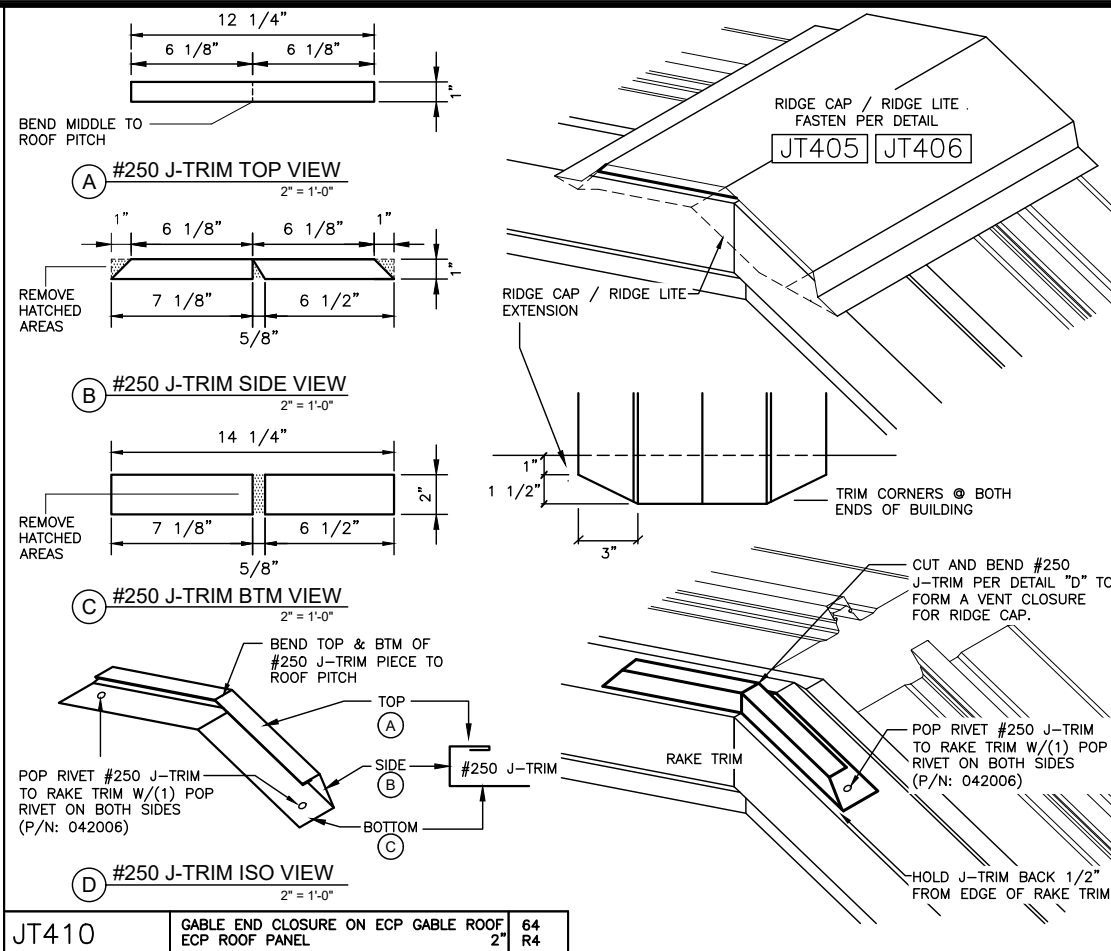
CUSTOMER: Chris Landes 27526

DEALER: South Rock Building Company LLC 1199 Bradley Rd Fuquay Varina, NC 28345-6003

LESTER BUILDING SYSTEMS, LLC TOLL-FREE: 800-826-4439 See Titleblock DRWN BY for Extension



| | | | |
|-------|--|----|-------|
| KB462 | INTERIOR FINISH - PLYWD, OSB, GYPSUM VINYL WNDW FLASHING (NO TRIM) | 3" | 96 R1 |
|-------|--|----|-------|



| | | | |
|-------|---|----|-------|
| KB431 | FLUSH FRAME BOOKSHELF GIRTS WINDOW WOOD FRAMING | 2" | 64 R1 |
|-------|---|----|-------|

DATE: 6/6/2023

JOB NUMBER: 627123

SHEET: 13 OF 17

DRWN BY: Douglals Poe

CHKD BY:

REV NO: 0

JOB DESCRIPTION: 40 X 50 X 12 embed building

CUSTOMER: Chris Landes 1199 Bradley Rd Fuquay Varina, NC 27526

DEALER: South Rock Building Company LLC 197 Scholl Shankle Rd Hamlet, NC 28345-6003

LESTER BUILDING SYSTEMS, LLC

TOLL-FREE: 800-826-4439

See Titleblock DRWN BY for Extension

6/8/2023

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DA003 STRUCTURAL DESIGN - ONLY FULL R1

SEAL 055692

ENGINEER ASHLEY A CURTIN

2X*(F***) FLUSH GIRT WALL CONFIGURATION (***) PLY TO MATCH OUTSIDE COLUMN PLY

| | LUMBER SIZE | | | | |
|----------|-------------|----------|-----------|-----------|--------------|
| | 2X6-10' | 2X***-8' | 2X***-10' | 2X***-12' | 2X4-10' TRTD |
| WALK DR | | 5* | 1 | | 1** |
| WDO SIZE | | | | | |
| 2X3 | 1 | 3 | 2 | | |
| 2X4 | 1 | 3 | 2 | | |
| 3X2 | 1 | 3 | 2 | | |
| 3X3 | 1 | 3 | 2 | | |
| 3X4 | 1 | 3 | 2 | | |
| 3X5 | 1 | 1 | 4 | | |
| 4X2 | 1 | 3 | 2 | | |
| 4X3 | 1 | 3 | 2 | | |
| 4X4 | 1 | 1 | 4 | | |
| 5X4 | 1 | 1 | 4 | | |
| 6X4 | 1 | 4 | 2 | | |

KC424 FLUSH GIRTS WK DOOR/WDO LUMBER CHART 3" 96 R2 * IF CONC. DROP >6" THEN (2) 2X-8' TRTD & (3) 2X-8' UN-TRTD ** BUILDINGS WITH EMBEDDED COLUMNS ONLY

AJ WALK DOOR ROUGH OPENING CHART

| | NOMINAL DOOR SIZE | ACTUAL DOOR FRAME WIDTH | ACTUAL DOOR FRAME HEIGHT | LESTER RECOMMENDED R.O. WIDTH | LESTER RECOMMENDED R.O. HEIGHT |
|--|-------------------|-------------------------|--------------------------|-------------------------------|--------------------------------|
|--|-------------------|-------------------------|--------------------------|-------------------------------|--------------------------------|

| R51 WALK DOOR SERIES | 2668 | 32 9/16" | 80 15/16" | 33 1/16" | 81 7/16" |
|----------------------|------|----------|-----------|----------|----------|
| | 3068 | 38 9/16" | 80 15/16" | 39 1/16" | 81 7/16" |

| 3700 WALK DOOR SERIES | 2668 | 31 9/16" | 80 3/8" | 32 1/16" | 80 7/8" |
|-----------------------|------|----------|---------|----------|---------|
| | 3068 | 37 9/16" | 80 3/8" | 38 1/16" | 80 7/8" |

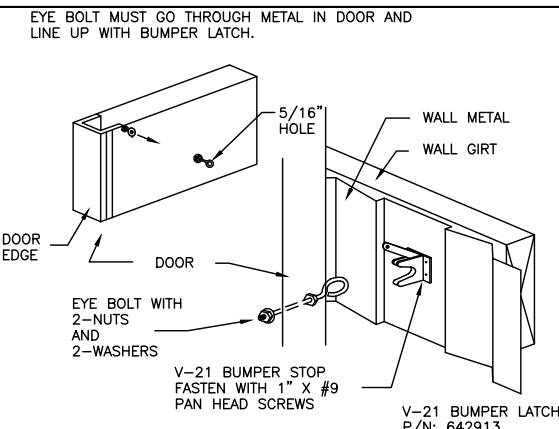
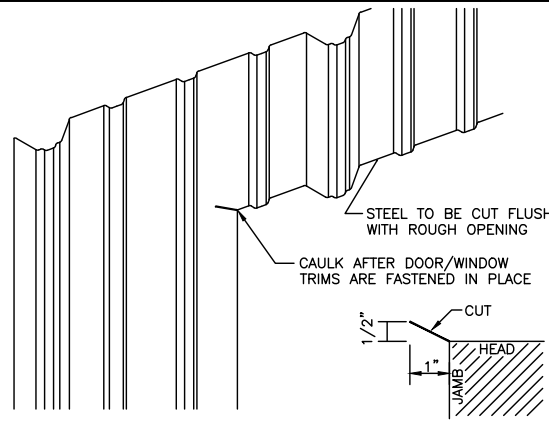
| 5100 & 7100 WALK DOOR SERIES | 2668 | 33 13/16" | 80 5/8" | 34 5/16" | 81 1/8" |
|------------------------------|------|-----------|---------|----------|---------|
| | 3068 | 39 13/16" | 80 5/8" | 40 5/16" | 81 1/8" |
| | 4068 | 51 1/8" | 80 5/8" | 51 5/8" | 81 1/8" |

| 5100 WALK DOOR SERIES | 6068 | 77 1/8" | 80 5/8" | 77 5/8" | 81 1/8" |
|-----------------------|------|-----------|---------|-----------|---------|
| | 8068 | 99 11/16" | 80 5/8" | 100 3/16" | 81 1/8" |

| 7100 WALK DOOR SERIES | 6068 | 76 7/16" | 80 5/8" | 76 15/16" | 81 1/8" |
|-----------------------|------|----------|---------|-----------|---------|
| | 8068 | 99" | 80 5/8" | 99 1/2" | 81 1/8" |

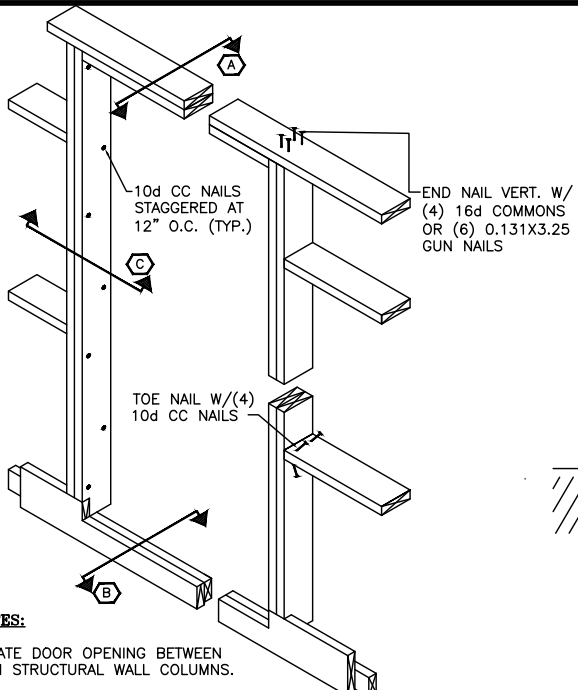
ADD 3" TO THE ROUGH OPENING WIDTH IF THERE IS ANY TYPE OF CONCRETE DROP.

| | | |
|-------|---|--------|
| KC430 | ROUGH OPENING REFERENCE CHART A.J. MFG WALK DOOR FULL | 384 R4 |
|-------|---|--------|



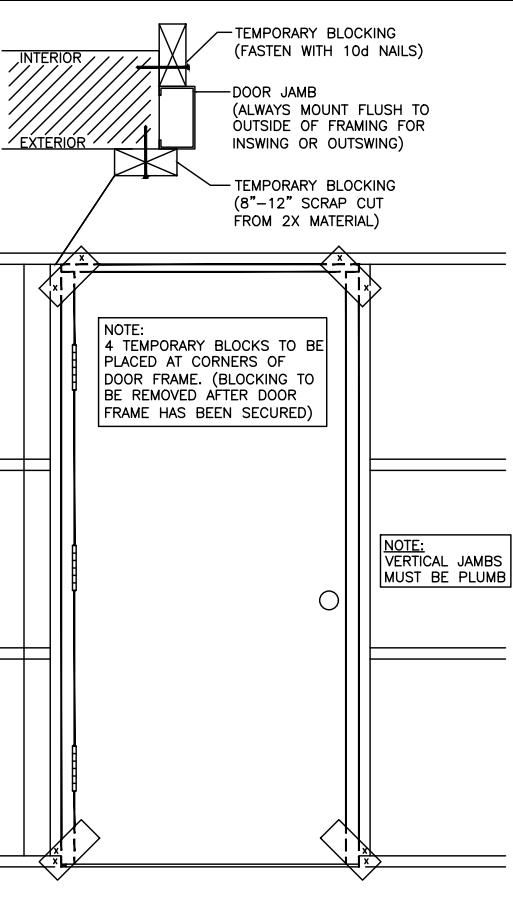
| | | |
|-------|---|-------|
| KC470 | ANGLE CUT @ CORNER-CORRUGATED METAL WK DR & WDO FLASHING AJ/EXPI 1/2" | 16 RO |
|-------|---|-------|

| | | |
|-------|--|----------|
| KC598 | V-21 DOOR BUMPER STOP WALK DOOR INSTALLATION | 2" 64 EO |
|-------|--|----------|

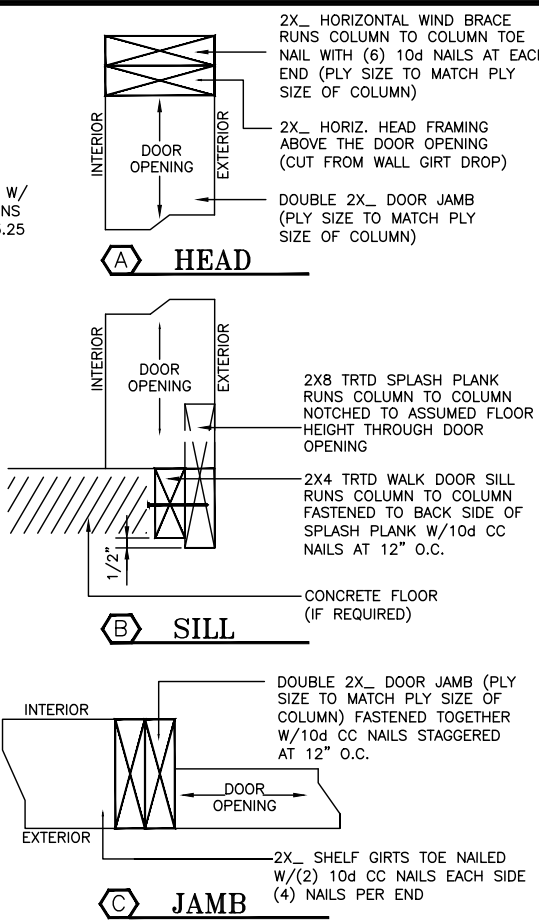


NOTES:
 LOCATE DOOR OPENING BETWEEN MAIN STRUCTURAL WALL COLUMNS.
 ROUGH OPENING STARTS FROM INSIDE FINISH FLOOR.
 SEE DETAIL KC204, KC429 OR KC430 TO REFERENCE ROUGH OPENING.
 FOR EXTERIOR CORRUGATED METAL, LOCATE THE DOOR OPENING SO THE "FLAT" OF THE METAL FALLS EQUALLY ON EACH SIDE OF THE OPENING.
OPTIONAL GUN NAIL:
 REPLACE 10d CC NAILS W/ 0.131 X 3.25" GUN NAILS P/N 040303.

| | | |
|-------|--|----------|
| KC431 | UNI-1 FLUSH FRAME BOOKSHELF GIRT WALK DOOR WOOD FRAMING WALK DOORS | 2" 64 R1 |
|-------|--|----------|

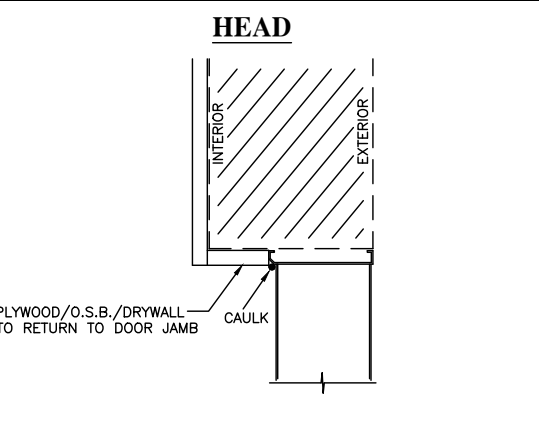


| | | |
|-------|---|-------|
| KC460 | WALK DOOR INSTALL W/ TEMP BLOCK WALK DOOR WOOD FRAMING WALK DR 3/4" | 24 RO |
|-------|---|-------|

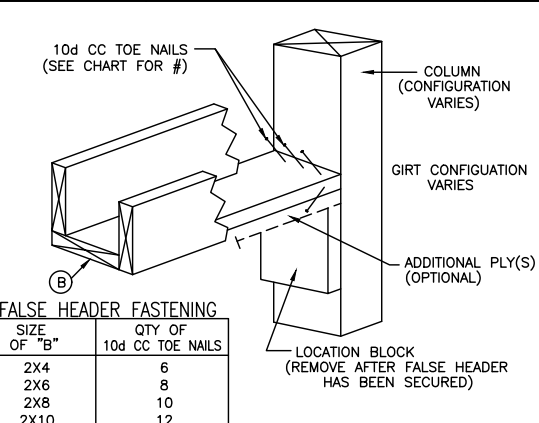


HEAD
 2X_ HORIZONTAL WIND BRACE RUNS COLUMN TO COLUMN TOE NAIL WITH (6) 10d NAILS AT EACH END (PLY SIZE TO MATCH PLY SIZE OF COLUMN)
 2X_ HORIZ. HEAD FRAMING ABOVE THE DOOR OPENING (CUT FROM WALL GIRT DROP)
 DOUBLE 2X_ DOOR JAMB (PLY SIZE TO MATCH PLY SIZE OF COLUMN)
SILL
 2X8 TRTD SPLASH PLANK RUNS COLUMN TO COLUMN NOTCHED TO ASSUMED FLOOR HEIGHT THROUGH DOOR OPENING
 2X4 TRTD WALK DOOR SILL RUNS COLUMN TO COLUMN FASTENED TO BACK SIDE OF SPLASH PLANK W/10d CC NAILS AT 12" O.C.
 CONCRETE FLOOR (IF REQUIRED)
JAMB
 DOUBLE 2X_ DOOR JAMB (PLY SIZE TO MATCH PLY SIZE OF COLUMN) FASTENED TOGETHER W/10d CC NAILS STAGGERED AT 12" O.C.
 2X_ SHELF GIRTS TOE NAILED W/(2) 10d CC NAILS EACH SIDE (4) NAILS PER END

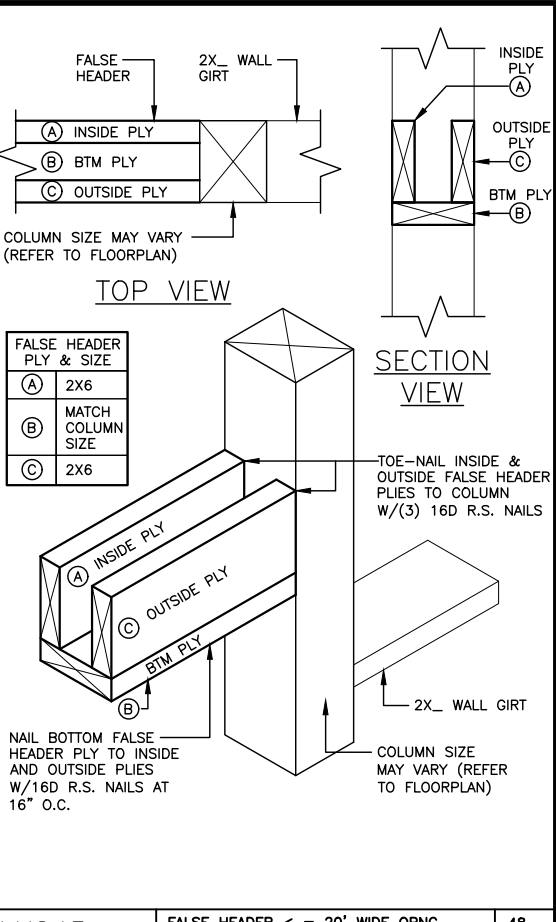
| | | |
|-------|---|-------|
| LK245 | FALSE HEADER <= 20' WIDE OPNG ENDWALL/SIDEWALL FALSE HDR-FLUSH 1.5" | 48 R4 |
|-------|---|-------|



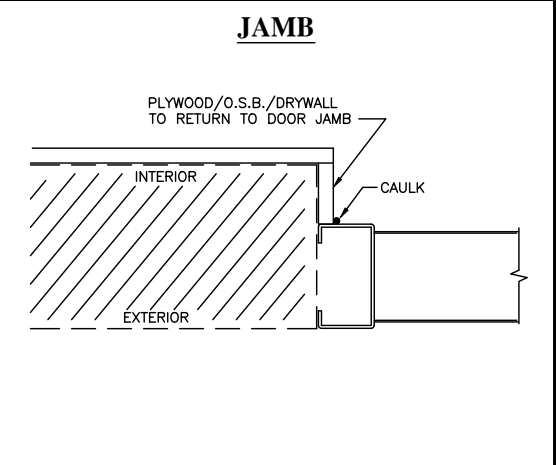
| | | |
|-------|--|----------|
| KC482 | INTERIOR FINISH - PLYWD, OSB, GYPSUM WALK DR FLASHING AJ/EXPI/HAYFLD | 3" 96 R1 |
|-------|--|----------|



| | | |
|-------|--|-------|
| LK247 | FALSE HEADER TO COLUMN CONN. ALL PRODUCT LINES | 32 R1 |
|-------|--|-------|



| | | |
|-------|---|-------|
| LK245 | FALSE HEADER <= 20' WIDE OPNG ENDWALL/SIDEWALL FALSE HDR-FLUSH 1.5" | 48 R4 |
|-------|---|-------|



ALL SEALS FOR THIS SET OF DRAWINGS ARE APPLIED TO THE COVER SHEET

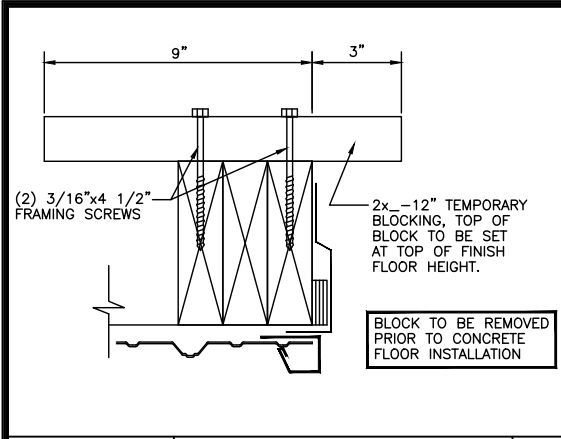
NORTH CAROLINA PROFESSIONAL SEAL 055692

ENGINEER
ASHLEY A CURTIN
 6/8/2023

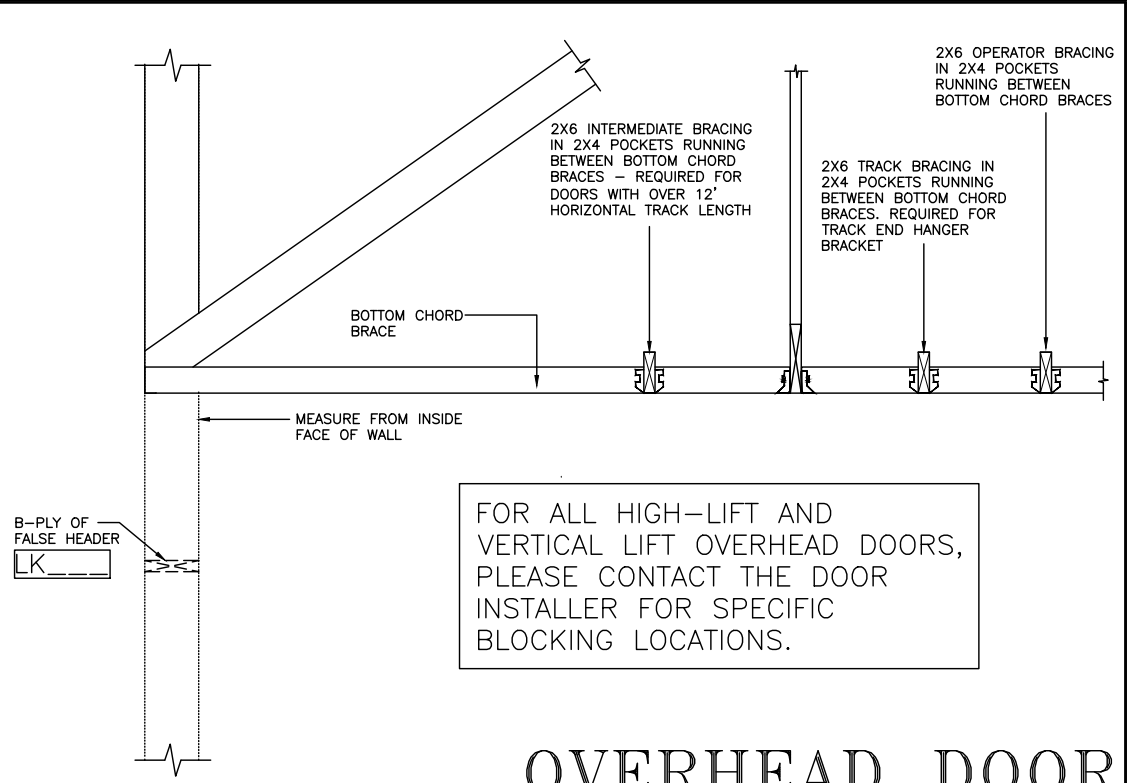
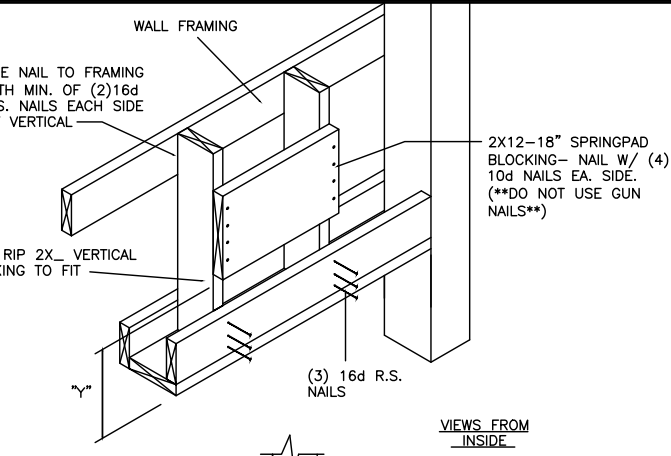
THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY LESTER BUILDING SYSTEMS. ALL OTHER ITEMS SUCH AS EQUIPMENT, VENTILATION, PLUMBING, ELECTRICAL ERECTION, DOORS, FIRE RESISTIVE REQUIREMENTS, INSPECTION, CONCRETE FLOORS, ETC. IS THE RESPONSIBILITY OF OTHERS.

| | | |
|-------|--|----|
| DA003 | STRUCTURAL DESIGN - ONLY ENGINEER STAMP BOX FULL | R1 |
|-------|--|----|

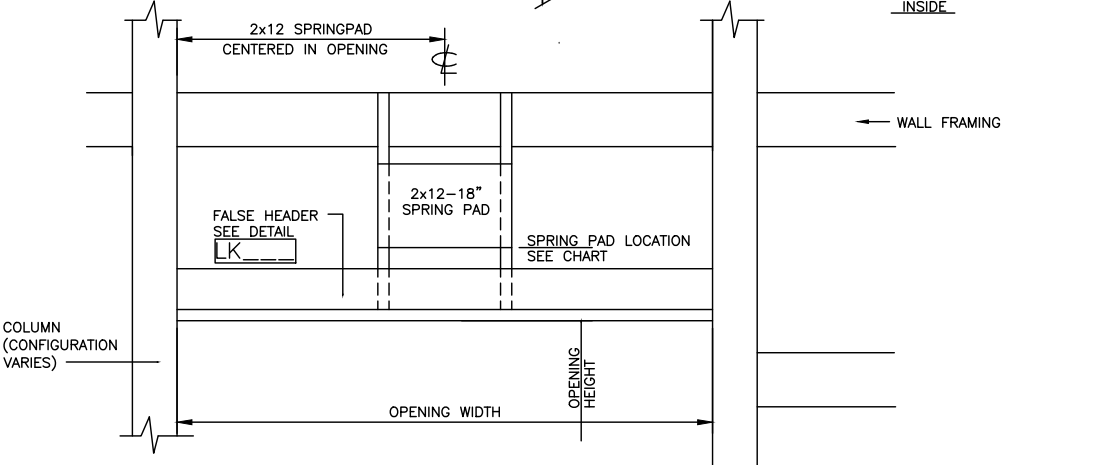
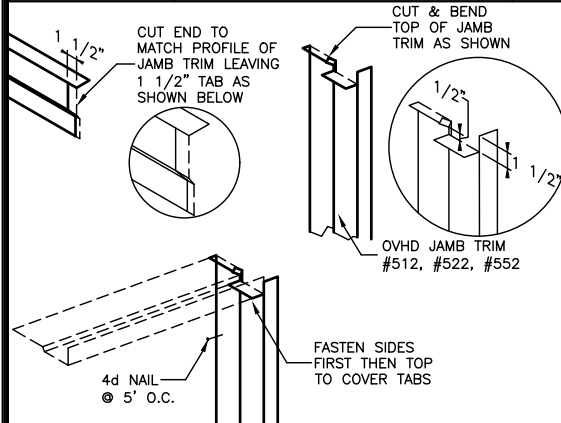
DATE: 6/6/2023 SHEET 14 OF 17
 JOB-NUMBER 627123
 JOB DESCRIPTION: 40 X 50 X 12 embed building
 DRAWN BY: Douglas Poe
 CHKD BY:
 REV NO: 0
 CUSTOMER: Chris Landes 27526
 1199 Bradley Rd
 Fuquay Varina, NC
 DEALER: South Rock Building Company LLC
 197 Scholl Shankle Rd
 Hamlet, NC 28345-6003
 LESTER BUILDING SYSTEMS, LLC
 TOLL-FREE: 800-826-4439
 See Titleblock DRAWN BY for Extension



| BOTTOM OF SPRINGPAD LOCATION | |
|------------------------------|-------------------------------|
| STANDARD RADIUS DOORS | DOOR HEIGHT + 9" |
| HIGH-LIFT DOORS | BUILDING CLEAR HEIGHT - 10.5" |
| FULL VERTICAL DOORS | 2 x DOOR HEIGHT |

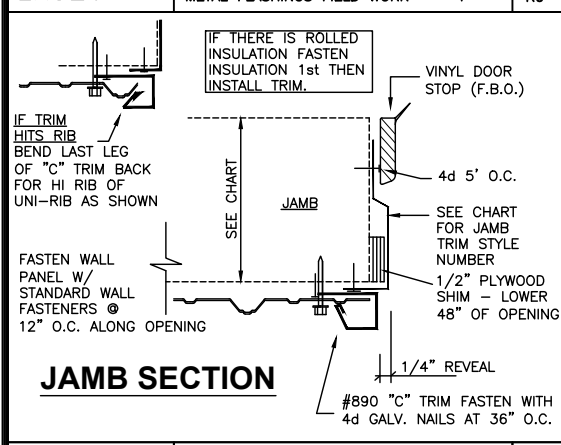


LK325 DOOR OPENING TEMPORARY DOOR SUPPORT STANDARD OVERHEAD DOOR FRAMING 3" 96 R3



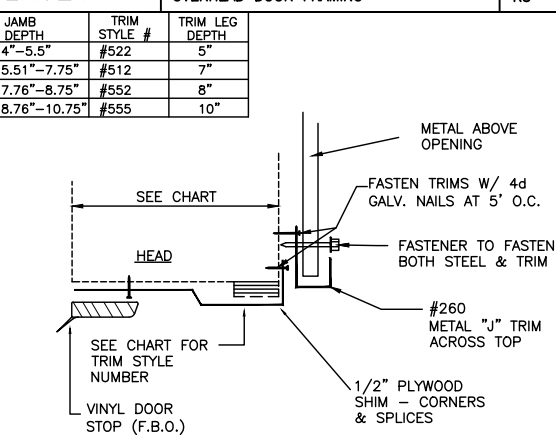
LK625 HIGH-LIFT/VERT. TRACK BRACING - EW OVERHEAD DOOR FRAMING 3/4 24 R2

LK326 OVHD DR JAMB TRIM - INSIDE CORNER METAL FLASHINGS FIELD WORK 1 32 R0

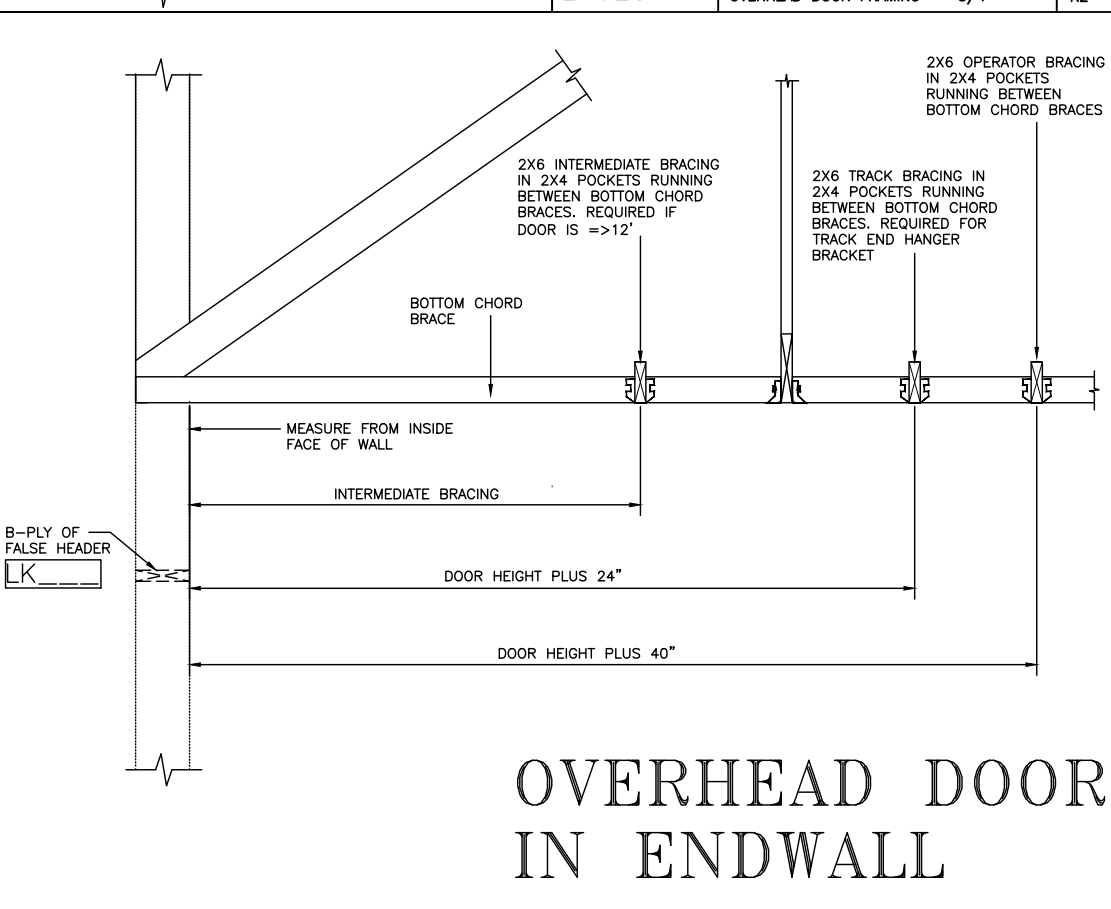


LK621 SPRINGPAD LOCATION <=16\"/>

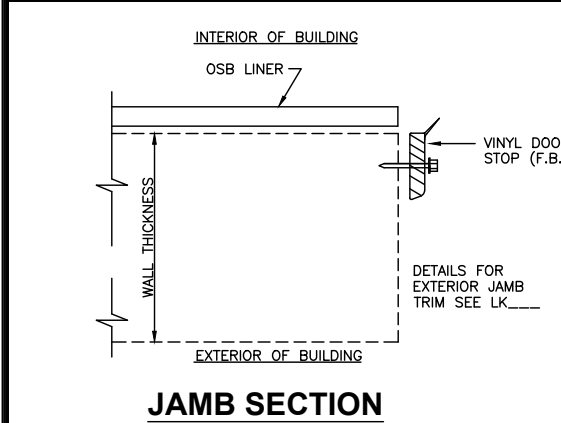
| JAMB DEPTH | TRIM STYLE # | TRIM LEG DEPTH |
|--------------|--------------|----------------|
| 4"-5.5" | #522 | 5" |
| 5.51"-7.75" | #512 | 7" |
| 7.76"-8.75" | #552 | 8" |
| 8.76"-10.75" | #555 | 10" |



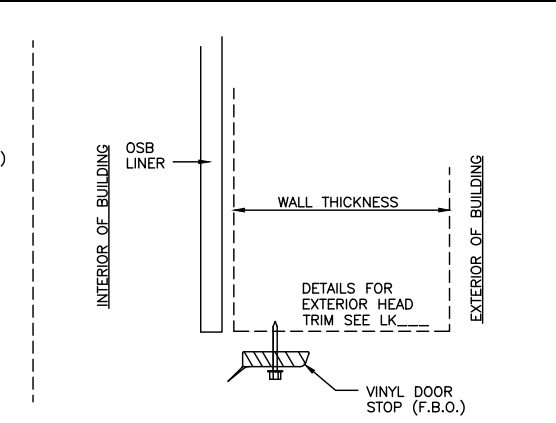
LK623 STANDARD RADIUS TRACK BRACING - EW OVERHEAD DOOR FRAMING 3/4 24 R2



LK424 DR OPNG. FLSHNG. EXTERIOR - UNI RIB OVERHEAD DOOR FLASHING 3" 96 R4



HEAD SECTION



LK437 DR OPNG. FLSHNG. INTERIOR - OSB OVERHEAD DOOR FLASHING 3" 96 R3

HEAD SECTION

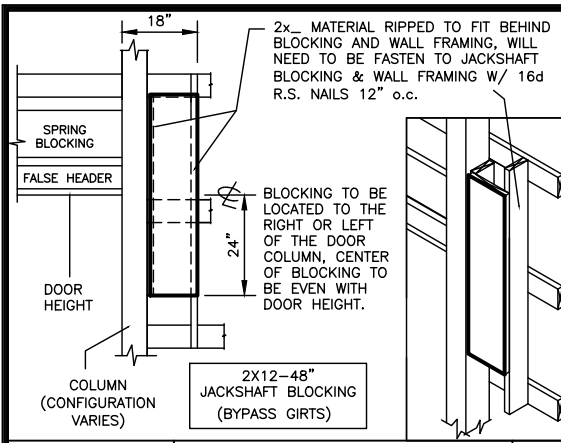
ALL SEALS FOR THIS SET OF DRAWINGS ARE APPLIED TO THE COVER SHEET

NORTH CAROLINA PROFESSIONAL SEAL 055692 ENGINEER ASHLEY A CURTIN

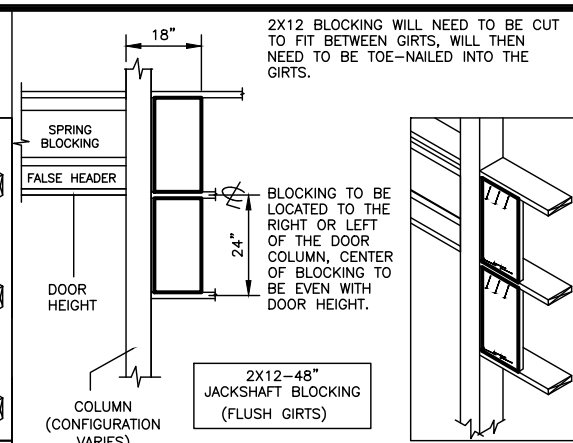
6/8/2023

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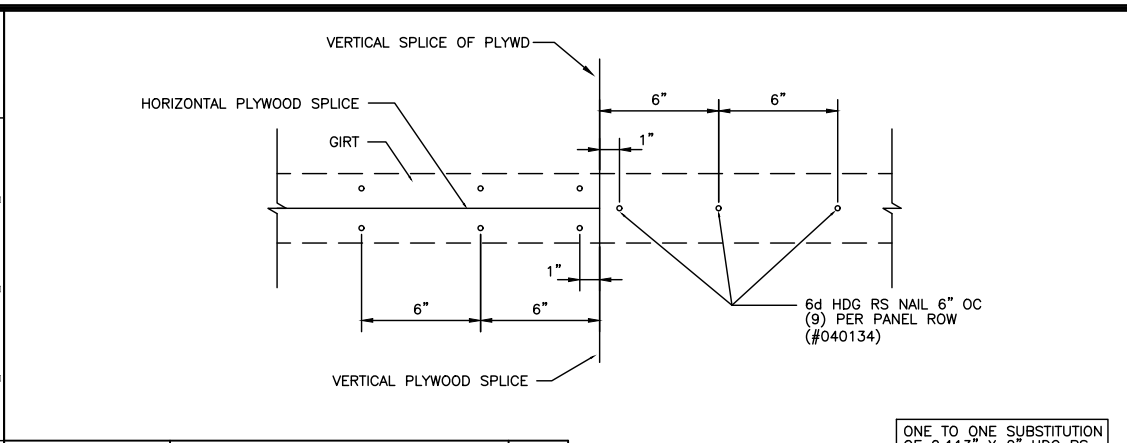
DATE: 6/6/2023 SHEET 15 OF 17
 JOB NUMBER 627123
 JOB DESCRIPTION: 40 X 50 X 12 embed building
 CUSTOMER: Chris Landes 27526
 1199 Bradley Rd
 Fuquay Varina, NC
 DEALER: South Rock Building Company LLC 28345-6003
 197 Scholl Shankle Rd
 Hamlet, NC
 LESTER BUILDING SYSTEMS, LLC TOLL-FREE: 800-826-4439
 See Titleblock DRAWN BY for Extension



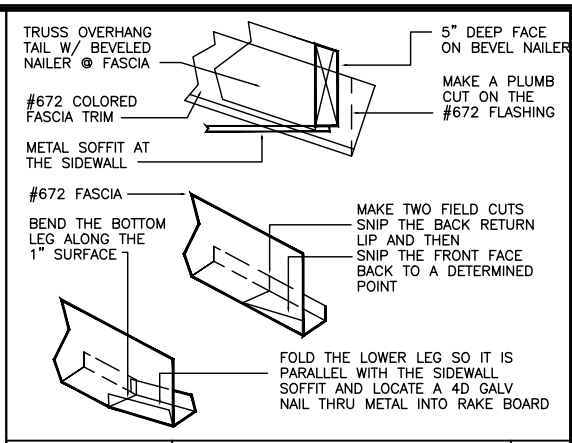
LK626 JACKSHAFT OPERATOR FRAMING LOCATION 12 RO
OVERHEAD DOOR FRAMING 3/8"



MB231 NAILS & SPLICE 6" O.C. NO VERT BLKG 64 RO
3/4" THK PLYWOOD FASTENING 2

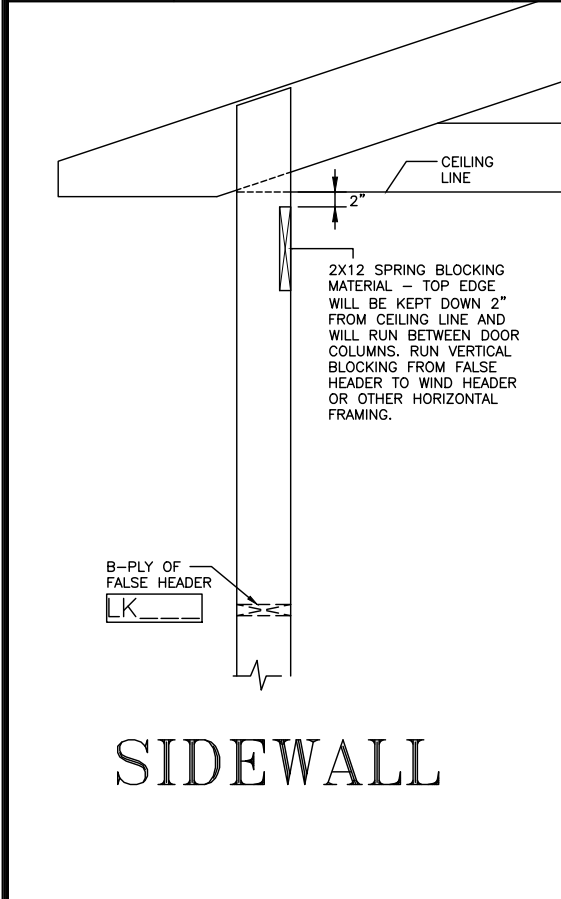


MF550 END & SIDE OVERHANG TRIM TRANSITION 48 R1
UNI-FRAME STANDARD FLASHINGS 1 1/2"

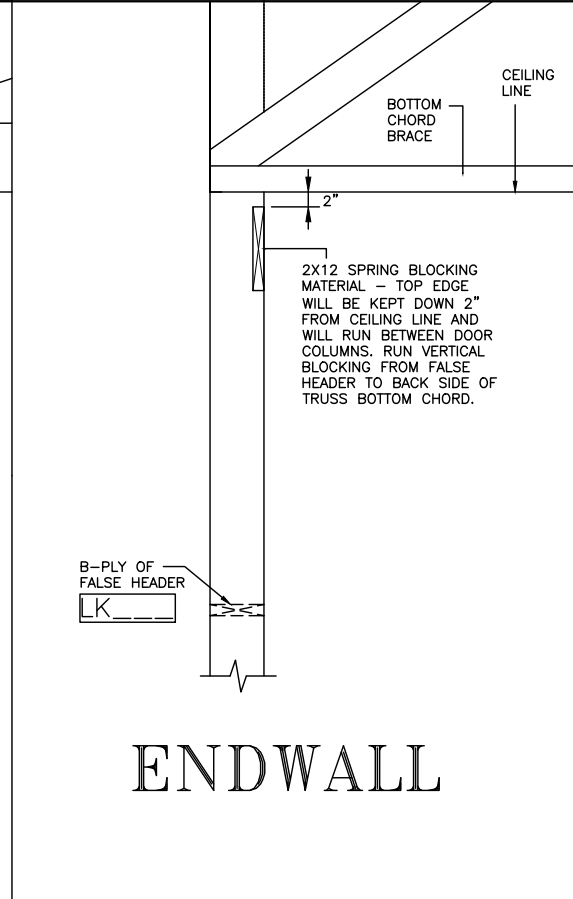


MF547 #142 SOFFIT "F" TRIM - RIDGE CONDITION 32 R1
WALL METAL AND TRIM CONN - UNIRIB 1"

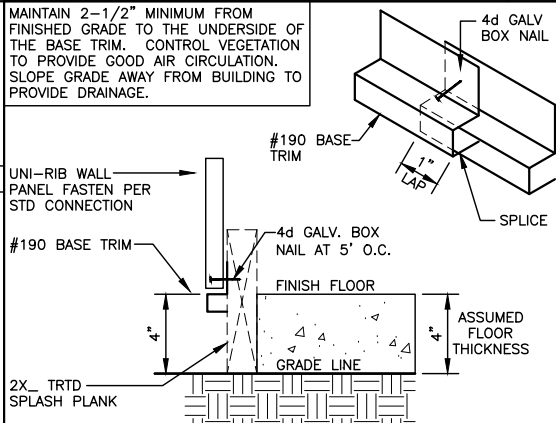
DATE: 6/6/2023
JOB-NUMBER: 627123
SHEET: 16 OF 17
DRWN BY: Douglas Poe
CHKD BY: [Blank]
REV NO: 0



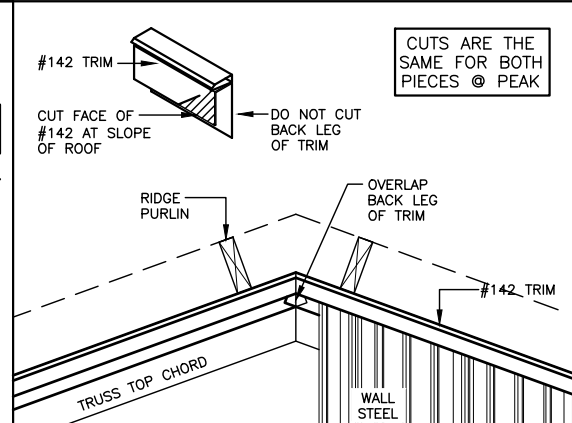
LK627 HIGH-LIFT SPRING BLOCKING LOCATION 24 RO
OVERHEAD DOOR FRAMING 3/4"



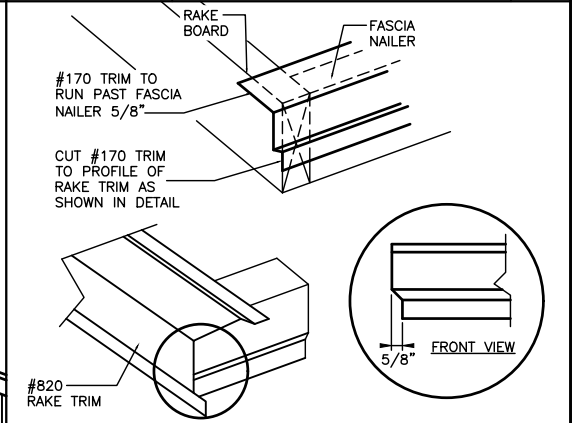
MB231 NAILS & SPLICE 6" O.C. NO VERT BLKG 64 RO
3/4" THK PLYWOOD FASTENING 2



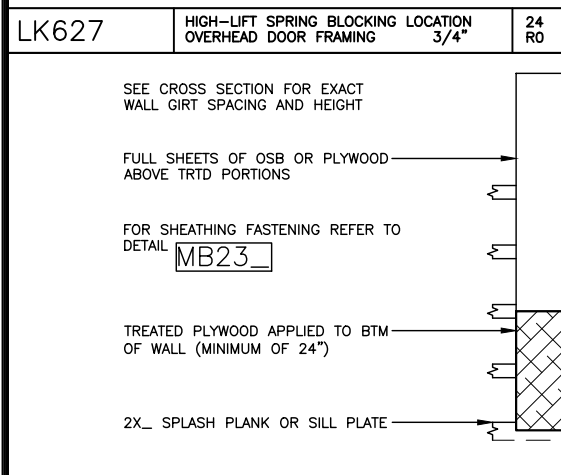
MF113 #190 BASE TRIM TO TRTD SPLASH PLANK 64 R2
BASE TRIM PLACEMENT (UNI-)



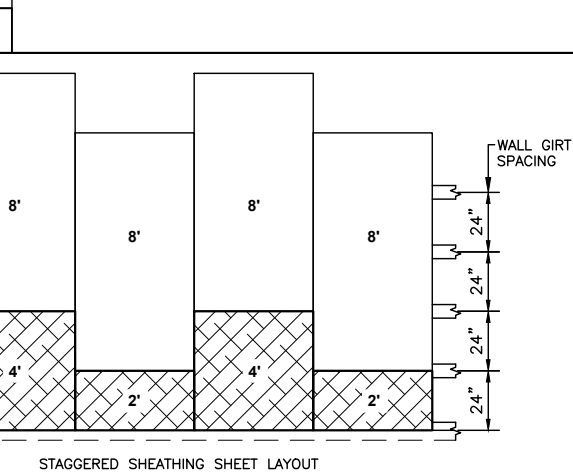
MF547 #142 SOFFIT "F" TRIM - RIDGE CONDITION 32 R1
WALL METAL AND TRIM CONN - UNIRIB 1"



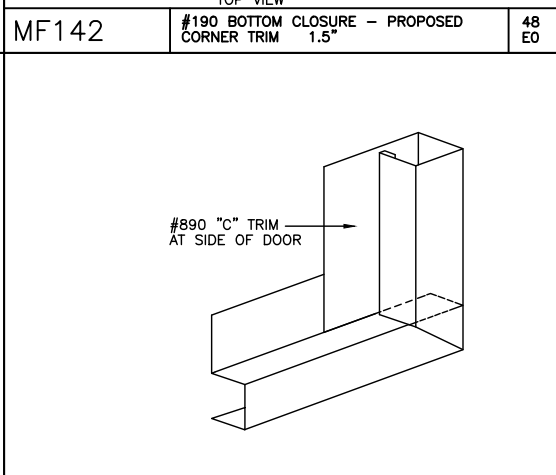
MF551 #170 EAVE TRIM & CORNER W/ OVERHANG 48 RO
METAL FLASHINGS - FIELD WORK 1.5



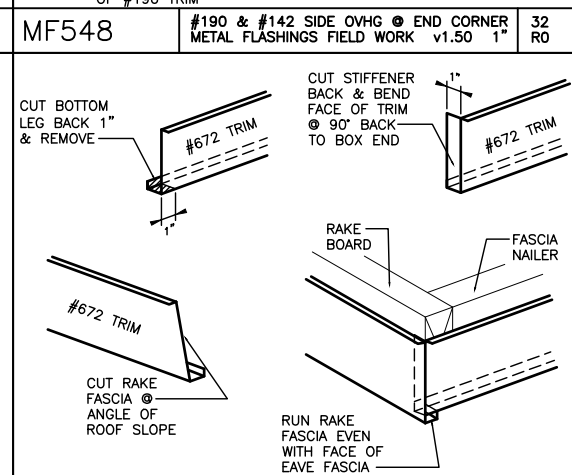
MB211 4X8 SHEATHING SHEET LAYOUT (2' START) 8 R1
OSB OR PLYWOOD SUB-SHEATHING 1/4"



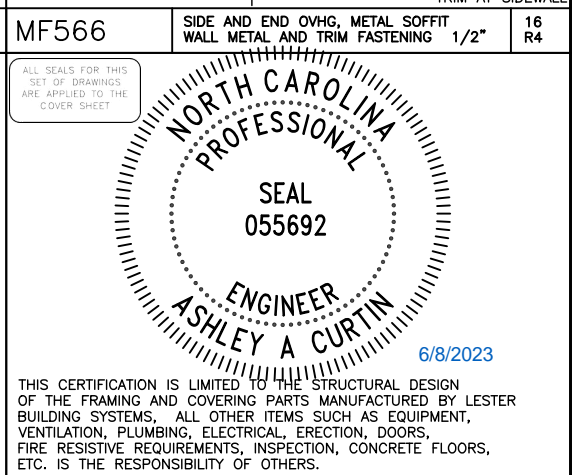
MB231 NAILS & SPLICE 6" O.C. NO VERT BLKG 64 RO
3/4" THK PLYWOOD FASTENING 2



MF142 #190 BOTTOM CLOSURE - PROPOSED 48 E0
CORNER TRIM 1.5"



MF548 #190 & #142 SIDE OVHG & END CORNER 32 RO
METAL FLASHINGS FIELD WORK v1.50 1"



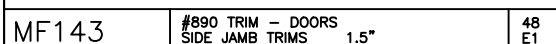
MF566 SIDE AND END OVHG, METAL SOFFIT 16 R4
WALL METAL AND TRIM FASTENING 1/2"



MB211 4X8 SHEATHING SHEET LAYOUT (2' START) 8 R1
OSB OR PLYWOOD SUB-SHEATHING 1/4"



MB231 NAILS & SPLICE 6" O.C. NO VERT BLKG 64 RO
3/4" THK PLYWOOD FASTENING 2



MF143 #890 TRIM - DOORS 48 E1
SIDE JAMB TRIMS 1.5"



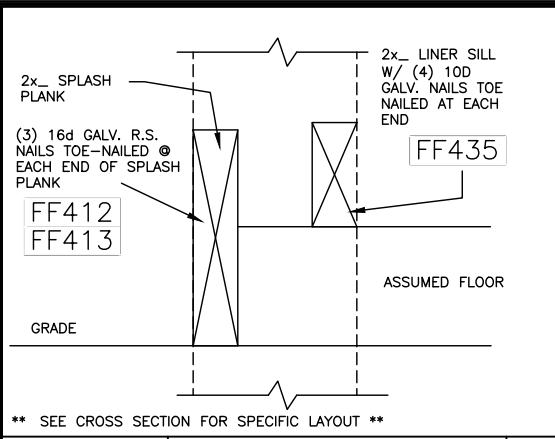
MF549 #672 FASCIA TRIM & OVERHANG CORNER 48 RO
METAL FLASHINGS FIELD WORK 1.5



DA003 STRUCTURAL DESIGN - ONLY FULL R1
ENGINEER STAMP BOX

JOB DESCRIPTION: 40 X 50 X 12 embed building
CUSTOMER: South Rock Building Company LLC, Chris Landes, 1199 Bradley Rd, Fuquay Varina, NC 27526
DEALER: Lester Building Systems, LLC, 197 Scholl Shankle Rd, Hamlet, NC 28345-6003
TOLL-FREE: 800-826-4439
See Titleblock DRWN BY for Extension

DATE: 6/6/2023
JOB-NUMBER: 627123
SHEET: 16 OF 17
DRWN BY: Douglas Poe
CHKD BY: [Blank]
REV NO: 0

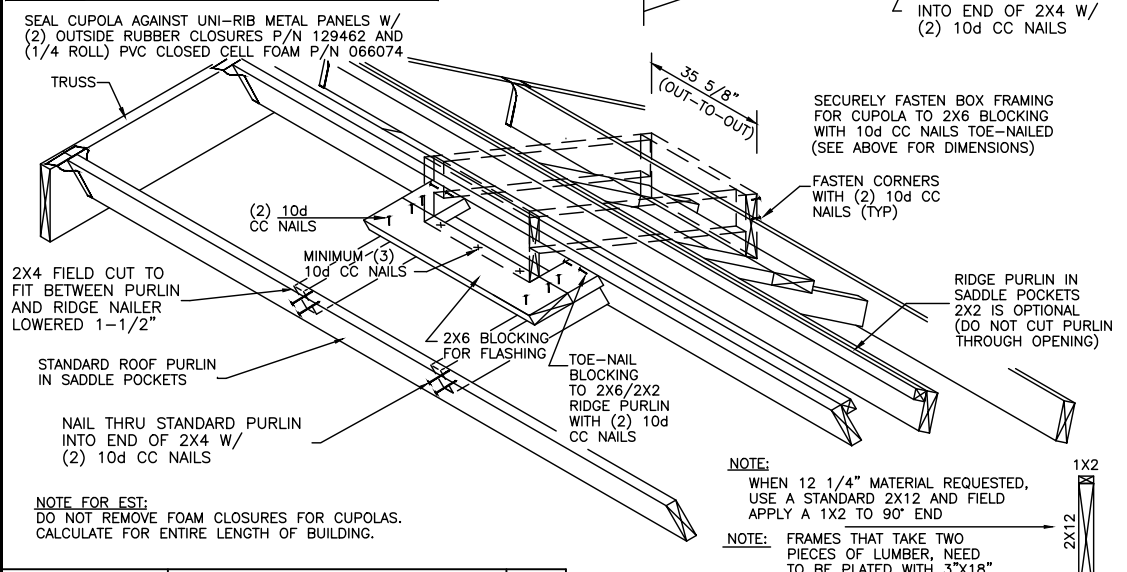
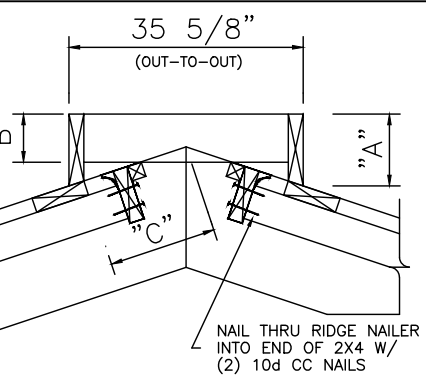


** SEE CROSS SECTION FOR SPECIFIC LAYOUT **

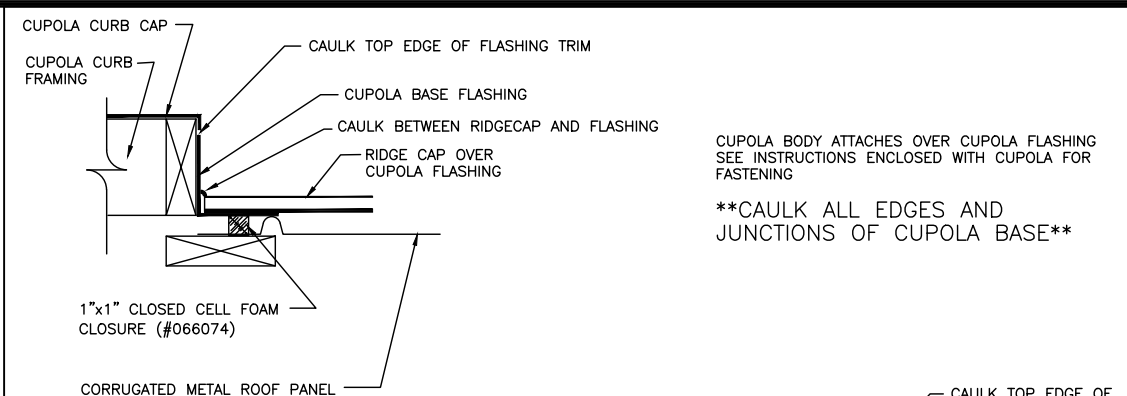
NE006 SPLASH PLNK & SILL (FLUSH 2 SIDES) EMBEDDED COLUMN (W/ FLOOR) 96 R2

| ROOF PITCH | DIMENSIONS 36" X 36" | | | | |
|------------|----------------------|-----------|---------|----------|-----------|
| | "A" | NOM.SIZE | "B" | NOM.SIZE | "C" |
| 3/12 | 7 13/16" | 2X10 | 4 9/16" | 2X6 | 16 5/8" |
| 4/12 | 9 5/16" | 2X12 | 4 7/8" | 2X6 | 17 3/16" |
| 5/12 | 10 3/4" | 2X12 | 5 3/16" | 2X6 | 17 11/16" |
| 6/12 | 12 1/4" | 2X12,1X2 | 5 1/2" | 2X6 | 18 1/4" |
| 7/12 | 13 3/4" | 2-2X8 | 5 3/4" | 2X8 | 18 7/8" |
| 8/12 | 15 1/4" | 2X8,2X10 | 6" | 2X8 | 19 5/8" |
| 9/12 | 16 11/16" | 2-2X10 | 6 1/4" | 2X8 | 20 3/8" |
| 10/12 | 18 3/16" | 2-2X10 | 6 7/16" | 2X8 | 21 1/4" |
| 11/12 | 19 11/16" | 2X12,2X10 | 6 9/16" | 2X8 | 22 1/8" |
| 12/12 | 21 3/16" | 2X12,2X10 | 6 3/4" | 2X8 | 23 1/16" |

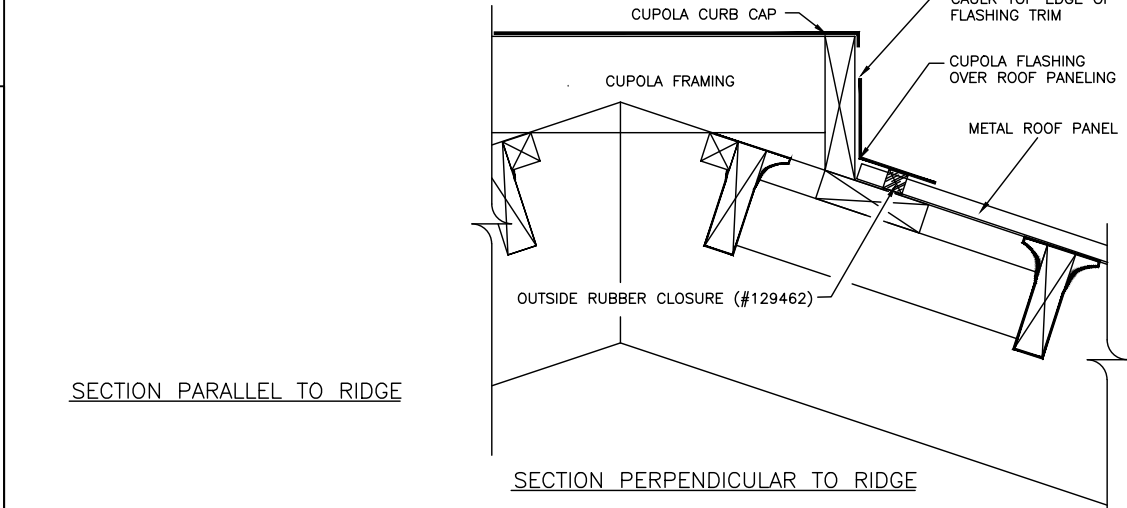
NOTE: CUPOLA BASE TRIM MAY NEED TO BE FIELD MODIFIED ON 3/12 ROOF PITCH BUILDINGS



OA063 36" CUPOLA VARIABLE ROOF PITCHES UNI-FR BLDG CUPOLA FRAMING 1" 32 R1



CUPOLA BODY ATTACHES OVER CUPOLA FLASHING SEE INSTRUCTIONS ENCLOSED WITH CUPOLA FOR FASTENING
****CAULK ALL EDGES AND JUNCTIONS OF CUPOLA BASE****



OA064 CUPOLA FLASHING SECTION VIEW METAL ROOF ALL BLDG TYPES 2 64 R1

ALL SEALS FOR THIS SET OF DRAWINGS ARE APPLIED TO THE COVER SHEET

6/8/2023

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DA003 STRUCTURAL DESIGN - ONLY FULL R1

DATE: 6/6/2023 SHEET 17 OF 17
 JOB-NUMBER 627123
 DRWN BY: Dougalis, Poe
 CHKD BY: [blank]
 REV NO: 0
 JOB DESCRIPTION: 40 X 50 X 12 embed building
 CUSTOMER: Chris Landes, 1199 Bradley Rd, Fuquay Varina, NC 27526
 DEALER: South Rock Building Company LLC, 197 Scholl Shankle Rd, Hamlet, NC 28345-6003
 LESTER BUILDING SYSTEMS, LLC
 TOLL-FREE: 800-826-4439
 See Titleblock DRWN BY for Extension