1308 Oakwood Ave

CITY OF NAPOLEON

Building & Zoning Division
255 W. Riverview Avenue, PO Box 151, Napoleon, OH 43545
Phone: 419-592-4010 – Fax: 419-599-8393

Zoning Administrator
Building Commissioner
Tom Zimmerman

3/15/2007

Wood County Department of Building Inspection
One Courthouse Square
Bowling Green, OH 43402

Mark Meyer:

This letter addresses the four items that need corrected for job # 60945.

1. Provide plot plan locating proposed building, property lines and other buildings on property.
Plot plan with dimensions included.

2. Provide lighting per sec. 1205.1 OBC.
Lighting will be provided with translucent ridge cap and a translucent strip at eves.

3. If building is heated, provide 36" deep perimeter frost wall. If building isn't heated, provide 24" deep rat wall around perimeter.
The building will not be heated, a 24" rat wall will be installed between the post when the existing concrete floor is patched to fill in gap to the new building wall.

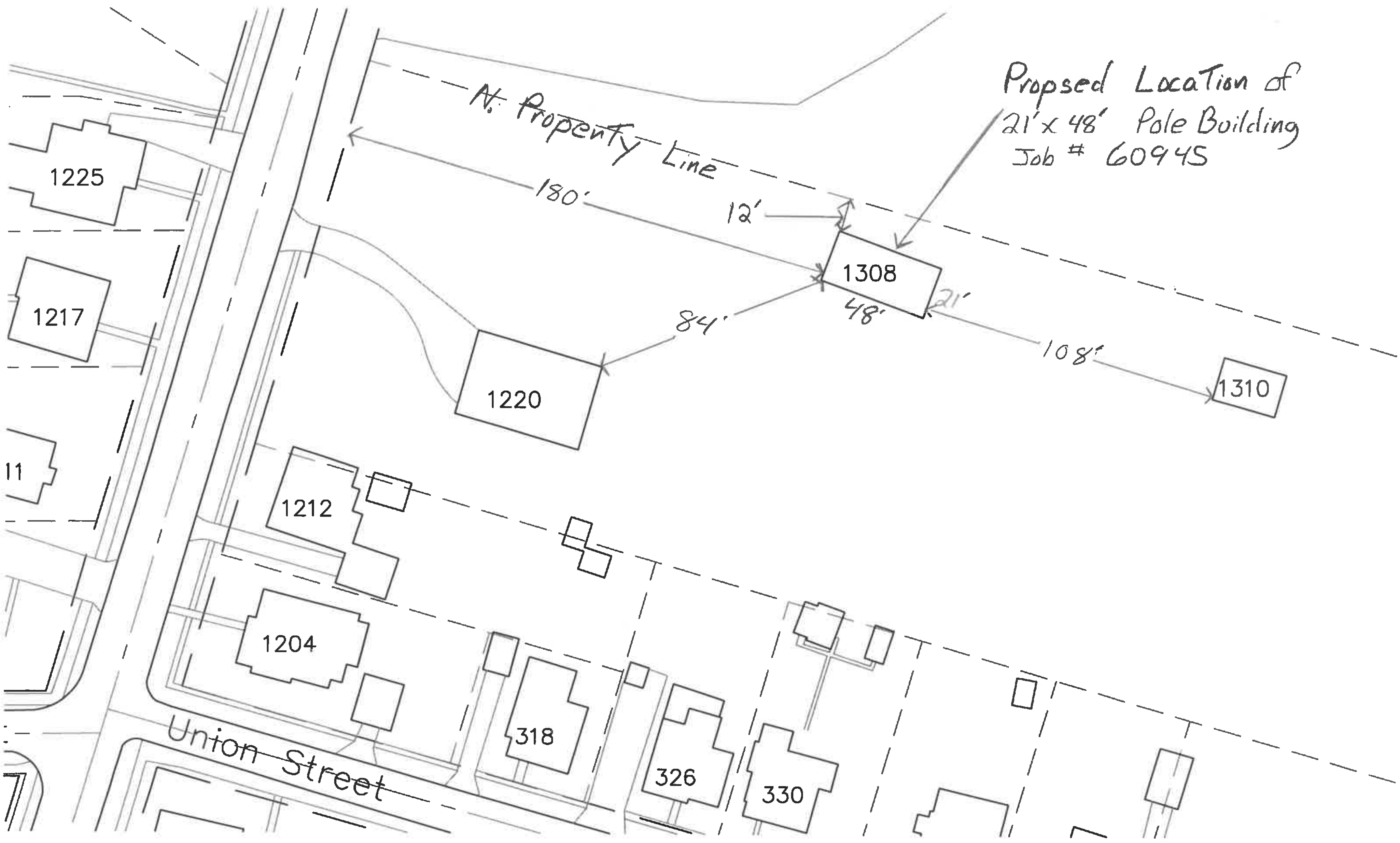
4. What will be stored in the building?
The building will store non-perishables items for our summer baseball programs, no motor vehicles will be stored in this building.

If you have any further questions please give me a call 419-592-4010

Thank you,

Tom Zimmerman

TZ/als


Propsed Location of
21'x 48' Pole Building
Job # 60945
N. Property Line
180'
12'
1308
48'
21'
108'
1310
84'
1220
1225
1217
11
1212
1204
318
326
330
Union Street

Michael J. Billmaier
Chief Building Inspector
Phone (419) 354-9190
Fax (419) 354-2904

DEPARTMENT OF
BUILDING INSPECTION

County Office Building
One Courthouse Square
Bowling Green, OH 43402
http://www.wcnet.org/~inspect

March 12, 2007

Job No. 60945
Job Name City of Napoleon
Applicant Owner
Address 1308 Oakwood Ave.
Twp./Corp. Napoleon Corp.
Reviewed by Mark Meyer

CORRECTIONS: (No Permit Issued)

Note! Per Section 113 of the Ohio Building Code, the documents as submitted for the above referenced project have been reviewed and found to be either inadequate or in non-compliance with the Ohio Building Code. The submitter shall review the following corrections, make appropriate revisions/additions to the documents and re-submit for review and approval.

Corrections:

1. Provide plot plan locating proposed building, property lines and other buildings on property.
2. Provide lighting per sec. 1205.1 OBC.
3. If building is heated, provide 36" deep perimeter frost wall. If building isn't heated, provide 24" deep rat wall around perimeter.
4. What will be stored in the building?

Non Porshieble

8% Floor No Motor Vechicls

LESTER BUILDINGS

Atén Doug
419-599-1527
1 page

Lester Building Systems, Inc.
890 West State Street
Charleston, IL 61920
Tel: 217.345.7676
Fax: 217.345.4016

Concrete Angles – TDL series

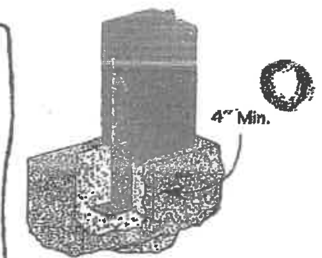
These angles secure wood posts to concrete or wood floors in light-duty applications.

Materials: 12 gauge
Finish: G90 galvanizing
Codes: ICBO 2039, LA City RR23888

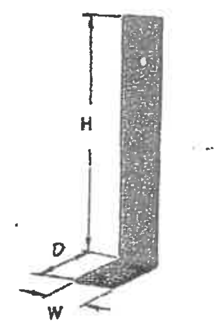
Installation:

- Use all specified fasteners. See General Notes, page 14.
- The TDL10 can be embedded into concrete. Minimum embedment depth is 4" to achieve allowable loads.
- Moisture barrier may be required.

Typical TDL5 interior installation



Typical TDL10 embedded interior installation



TDL10

Bolts must be ordered separately. See page 22 for available sizes.

USP Stock No.	Ref. No.	Steel Gauge	Dimensions			Fastener Schedule[4,5]			Allowable Loads (Lbs.)[1,2,3]			
							Strap		Uplift			
						Anchor			Nails		Bolts	
			W	H	D	Bolts	Nails	Bolts	133%	160%	133%	160%
TDL5	A24	12	2	5-3/16	2-1/4	(1) 1/2	(4) 16d	(1) 1/2	785	940	915	1100
TDL10	A311	12	2	9-3/4	2-1/4	(1) 1/2	(4) 16d	(1) 1/2				

1) Allowable loads are based on the use of either nails or bolts; nail and bolt values cannot be combined.
2) The bolt values are based on single shear with a minimum member thickness of 3-1/2".
3) Allowable loads have been increased in accordance with the code; no further increase shall be permitted.
4) Minimum nail embedment shall be 1-5/8" for 16d nails.
5) Designer must specify anchor bolt type, length, and embedment.

New products or updated product information are designated in red.

LESTER BUILDINGS

Holgate Lumber Company
Holgate OH 43527
Phone: 419-264-2331 Mobile:
E-Mail:
Project Manager: Ken Chapman Extension: 3127
E-Mail: lesterbuildings.com

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 SHALL BE DESIGNED 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 #1 SOUTHERN YELLOW PINE OR BETTER. EACH PLY OF UPPER AND LOWER PORTIONS (IF REQUIRED) SHALL BE FACTORY JOINED BY GLUED STRUCTURAL 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.

PANELS:
ROOF AND WALL PANELS: METAL ROOF AND WALL PANELS. IF SHOWN ON DRAWING. SHALL BE LESTER 29 GA. (NOMINAL) UNI-RIB. THE PRIMARY RIBS ARE 7/8" HIGH SPACED 12" O.C. WITH A 36" WIDE PANEL. THERE ARE 3 LOW RIBS BETWEEN THE PRIMARY RIBS AT 3" O.C. FOR ADDITIONAL STIFFENING. THE UNI-RIB PANEL IS MANUFACTURED TO AISI/ASTM SPECS, WITH AN 80,000 PSI MIN. YIELD POINT AND 82,000 PSI MIN. TENSILE STRENGTH. SEE BUILDING DRAWINGS AND/OR ORDER FORM FOR SPECIFIC TYPE OF FINISH REQUIRED.
LINER PANEL: LINER PANEL, INTERIOR USE ONLY, IF SHOWN ON DRAWINGS, SHALL BE LESTER 30 GA. (NOMINAL). THE PRIMARY RIBS ARE SPACED 12" O.C. WITH A 36" WIDE PANEL. THE PANEL IS MANUFACTURED TO AISI/ASTM SPECS, WITH AN 80,000 PSI MIN. YIELD POINT AND 82,000 PSI MIN. TENSILE STRENGTH. SEE BUILDING DRAWINGS FOR SPECIFIC LOCATION(S) REQUIRED

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 HIGHER ON CROSS SECTION(S).
FASTENERS: ALL FASTENERS SHALL BE PER BUILDING DRAWINGS AND DETAILS.

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

REVISIONS

SYM.	PAGE	DATE	DESCRIPTION	BY

⚠ 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 THE ROOF PANELS AND WOOD BUNDLES:

⚠WARNING
PURLINS, GIRTS AND BRACING
WOOD MEMBERS MAY BREAK UNDER YOUR WEIGHT CAUSING YOU TO FALL AND BE KILLED OR SERIOUSLY INJURED.
IF YOU MUST WALK ON WOOD MEMBERS, STAY WITHIN 1 FOOT OF TRUSS OR COLUMN.
ALWAYS USE FALL PROTECTION.
GET AND READ "ERECTION SAFETY INSTRUCTIONS" FROM SUPERVISOR.

Wood Member Warning

⚠WARNING
YOU MAY FALL FROM ROOF AND BE KILLED OR SERIOUSLY INJURED.
PANELS ARE SLIPPERY.
USE FALL PROTECTION.
ANY PANEL CAN COLLAPSE.
DO NOT STEP ON LOOSE PANELS.
DO NOT STEP ON OR "NEAR" EDGE OF PANEL.
DO NOT STEP WITHIN 3 FEET OF PANEL END.
LOOSE PANELS MAY SLIDE OUT FROM UNDER YOU.
DO NOT STEP ON LOOSE PANELS OR STACKS OF PANELS.

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.

IMPORTANT DIAPHRAGM DESIGN 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 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.

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
STANDARD WALL GIRTS WILL HAVE THE ENDS PAINTED RED

BLACK
STANDARD ROOF PURLINS WILL HAVE THE ENDS PAINTED BLACK

BROWN
STANDARD BOTTOM CHORD BRACES WILL HAVE THE ENDS PAINTED BROWN

BLUE
STANDARD EAVE NAILERS WILL HAVE THE ENDS PAINTED BLUE

DETAIL IDENTIFICATION

DRAWING LETTER
ID **USER DEFINED**
PAGE NUMBER SCALE: NONE

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

ALL DETAILS ARE ARRANGED IN ALPHABETICAL AND NUMERIC ORDER WITHIN THE STRUCTURAL & NON STRUCTURAL DETAIL SETS.

NO PAGE NUMBER IS GIVEN!!!

SYMBOL DESIGNATION

THE FOLLOWING SYMBOL DESIGNATIONS INDICATES THE DETAIL TO REFER TO FOR ADDITIONAL INFORMATION.

CUSTOM DETAIL GA-A

STANDARD DETAIL GA310

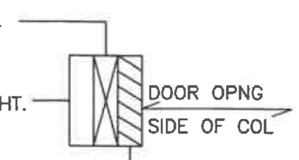
ABBREVIATIONS AND SYMBOLS

℄	CENTERLINE
DIA OR Ø	DIAMETER
SF OR ⊘	SQUARE FEET

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

COLUMN IDENTIFICATION KEY

FS = FLUSH SIDEWALL
FE = FLUSH ENDWALL
FC = FLUSH CORNER
J = HEADER BEARING PLY
F = FACE PLY

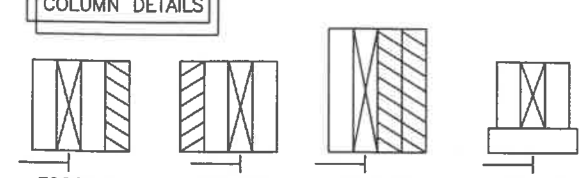


FLUSH ENDWALL
SIZE: 2X6, 2X6, 2X6
COLUMN LENGTH
COLUMN: FE666 - 24'

O.S. FACE OF COL

DIMENSION POINT ON FLOOR PLAN

EXAMPLES OF COLUMN DETAILS



GENERAL

OWNER: CITY OF NAPOLEON
NAPOLEON, OH
BUILDING USE: COMMERCIAL STORAGE
CONSTRUCTION TYPE: V-B
AREA: 1008 SQ. FT. Sq. Ft.

DESIGN LOADS

ROOF LIVE LOAD	20	PSF
ROOF DEAD LOAD	4	PSF
CEILING DEAD LOAD	5	PSF
FLOOR LIVE LOAD	--	PSF
WIND LOAD	90	MPH
EXPOSURE	B	
SOIL BEARING	1500	PSF (PRESUMED)
REFERENCES	2005 Ohio Building Code	

STATE OF OHIO
KEVIN GERALD CONROY
54224
REGISTERED PROFESSIONAL ENGINEER
2/9/07

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

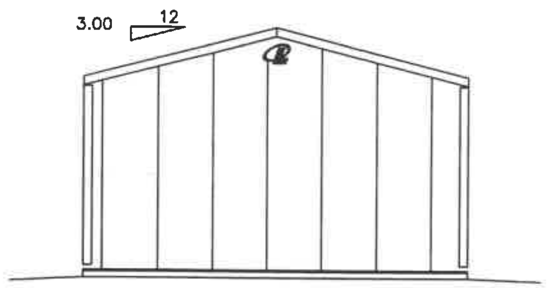
DATE: 2/9/2007
JOB-NUMBER 215119
SHEET 1 OF 13
DRWN BY: KEN CHAPMAN
CHKD BY:
REV NO:

JOB DESCRIPTION: 21 X 48 X 10 T&C I CODE

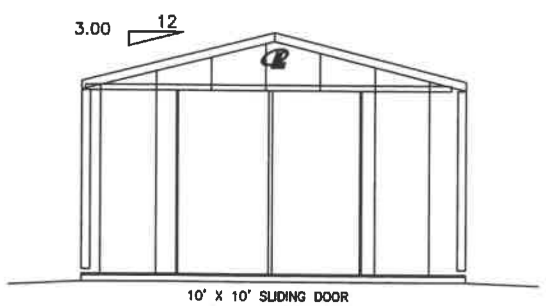
CUSTOMER: CITY OF NAPOLEON
255 W. RIVERVIEW
NAPOLEON, OH 43545

DEALER: HOLGATE LUMBER COMPANY
215 LEE ST, PO BOX 157
HOLGATE, OH 43527

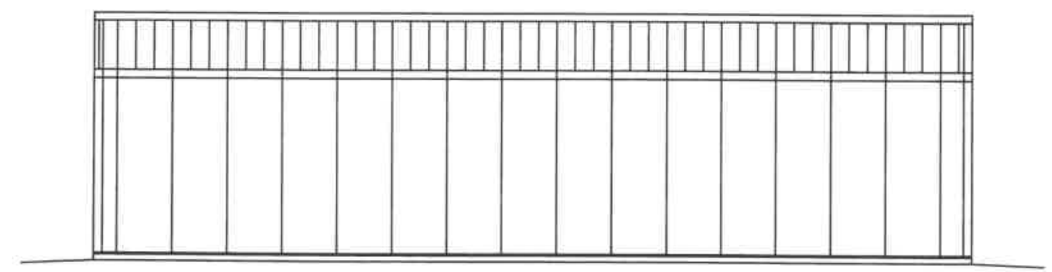
LESTER BUILDINGS
LESTER PRAIRIE, MN 800-238-4412....Ext.5000+
CHARLESTON, IL 866-276-0785.........Ext.3100+
CLEARBROOK, VA 866-807-5910.........Ext.6000+



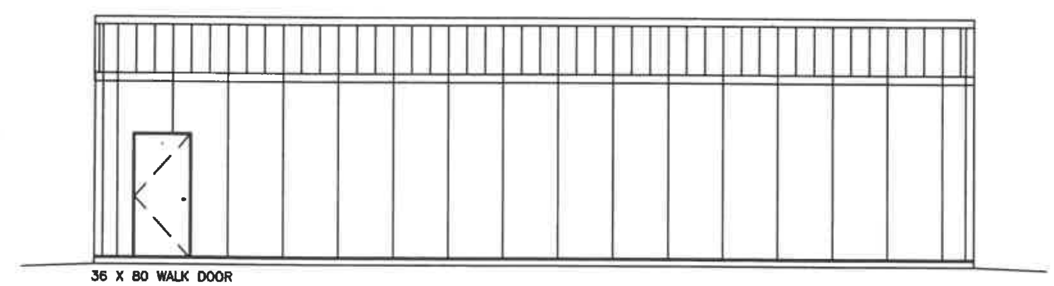
Endwall 1 Elevation



Endwall 2 Elevation



Sidewall 1 Elevation



Sidewall 2 Elevation

STATE OF OHIO
KEVIN GERARD CONROY
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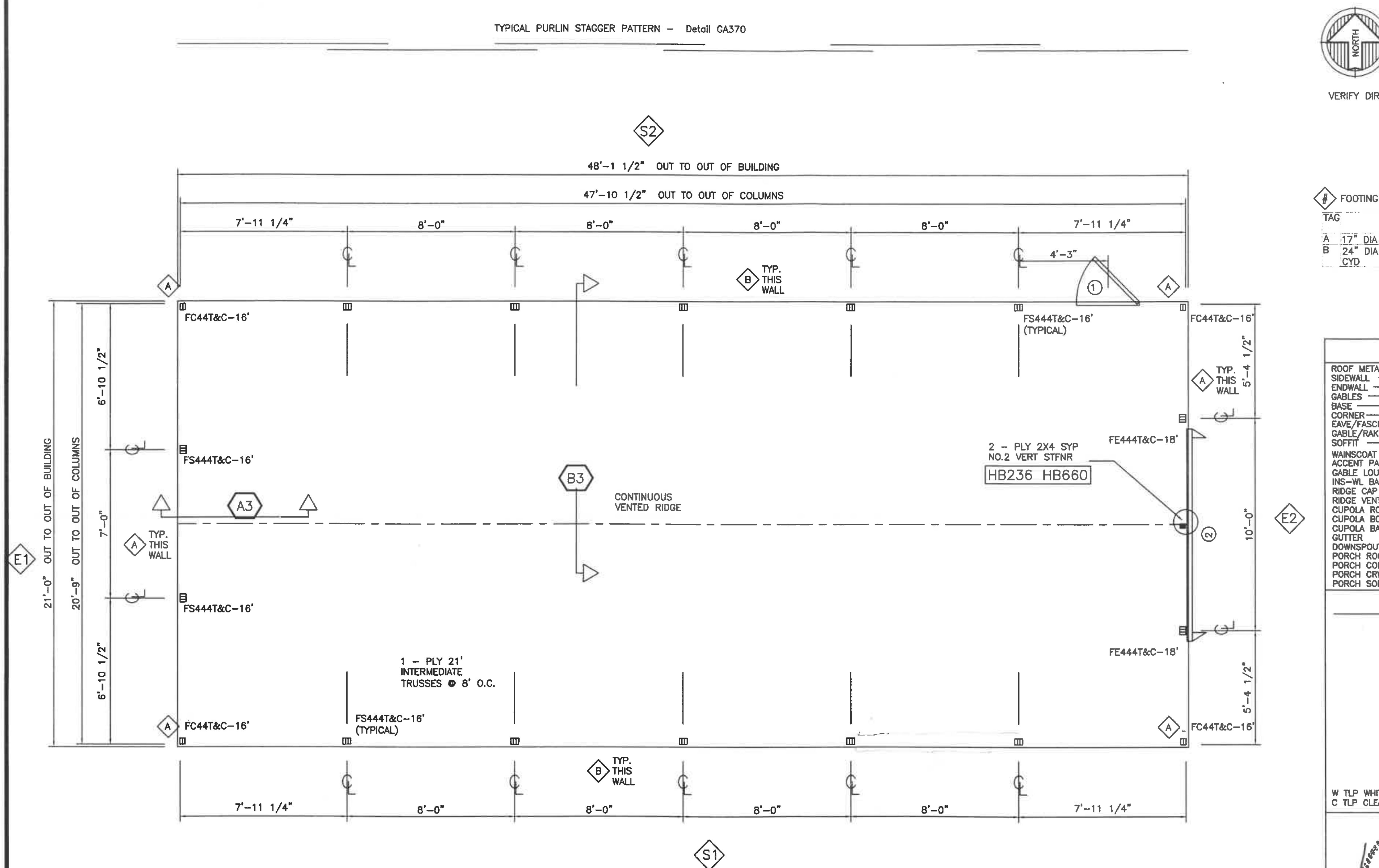
215 LEE ST, PO BOX 157
HOLGATE, OH 43527

LESTER BUILDINGS
LESTER PRAIRIE, MN 800-238-4412....Ext.5000+
CHARLESTON, IL 866-276-0785........Ext.3100+
CLEARBROOK, VA 866-807-5910........Ext.6000+

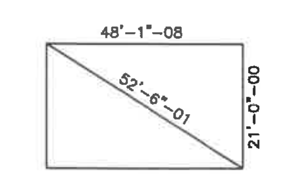
AB215119	HOLGATE LUMBER COMPANY CITY OF NAPOLEON	3 PRE

TYPICAL PURLIN STAGGER PATTERN – Detail GA370



A3 FLOOR PLAN

SCALE: 3/16 = 1'



BASIC BUILDING SIZE

DIMENSIONS ARE BASED ON LAYOUT OF MASONLINE PERIMETER (NOT TO SCALE!)

ANCHOR BLOCKS

ANCHOR BLOCKS REQUIRED AT ALL COLUMNS. SEE WALL SECTION FOR DETAIL(S)

FOOTING SCHEDULE–SEE SYMB.ON PLAN

TAG	DESCRIPTION	HOLE DIA.	QUAN	UM
A	17" DIA X 4" THK PRECAST FOOTING	17"		EA
B	24" DIA X 8" THK POURED FOOTING, 0.078 CYD	24"		EA

BUILDING COLORS

ROOF METAL	Clay	SLDG DR. PANEL	Clay
SIDEWALL	Clay	SLDG DR. VERT.	Evrgn
ENDWALL	Clay	SL. DR JAMB TR	Evrgn
GABLES	Clay	SLD. DR TRACK	Evrgn
BASE	Clay	OVHD DR TRIM	---
CORNER	Evrgn	OVHD DOOR	---
EAVE/FASCIA	Evrgn	WALK DOOR	Unknown
GABLE/RAKE	Evrgn	WALK DOOR TRIM	Evrgn
SOFFIT	---	WINDOW	---
WAINSCOAT	---	WINDOW TRIM	---
ACCENT PANEL	N/A	SIG DR FIELD	---
GABLE LOUVER	---	SIG DR TRIM	---
INS-WL BATTN	---	SIG DR JAMB TR	---
RIDGE CAP	Clay	SIG DR WINDOW	---
RIDGE VENT	None	SIG DR TRACK	---
CUPOLA ROOF	---	DUTCH DR.FRAME	---
CUPOLA BODY	---	DUTCH DR.INSERT	---
CUPOLA BASE	---	SHINGLES	---
GUTTER	---	BI-FLD DOOR	---
DOWNSPOUT	None	MANSARD RF	---
PORCH ROOF	---	MANSARD EAVE	---
PORCH COL CVR	---	MANSARD SOFFIT	---
PORCH CRWN/VBLK	---	MODERRA	---
PORCH SOFT/CLG	---	BOX STALL GRILLS	---

	STANDARD COLORS	26 GAUGE COLORS
BONE WHITE	B WHT 100	
BARN RED	B RED 101	
RAWHIDE	RAWHD 102	
ANTIQUE BROWN	A BRN 103	26ABR 303
SANDSTONE	SNDST 104	
SLATE BLUE	S BLU 105	
PEWTER GRAY	P GRY 106	26PGR 306
QUAKER GRAY	Q GRY 107	
BLACK	BLACK 108	
EVERGREEN	EVRGN 109	26EGR 309
CLAY	CLAY 110	26CLY 310
BURGUNDY	BURGY 111	26BGY 311
WHITE	WHITE 112	26WHT 312
PEBBLE BEIGE	P BEG 113	26PBG 313
EARTH BROWN	E BRN 114	
DARK BLUE	D BLU 115	
GALVANIZED	GALV 150	

W TLP WHITE TRANSLUCENT PANEL
C TLP CLEAR TRANSLUCENT PANEL

NOTE: COLORS ARE LESTER COLORS, OEM PARTS MAY USE THEIR VENDOR NAMES (EX. SHUTTERS)

STATE OF OHIO
KEVIN GERALD CONROY
54224
REGISTERED PROFESSIONAL ENGINEER
2/9/07

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ID	MODEL	NOM. SIZE	R.O.	SCH.	FRAMING DET(S)	FINISH DET(S)
1	WLK DOOR 3700 SOLID	36 X 80	37.750 X 81.000	A	KC432, KC460, KC430	KC471
2	10' HIGH METAL CLAD SPLIT SLIDING DOOR	120 X 120	115.500 X 120.000	B	LA500	LA520

DESIGN OF ROOF, ATTIC AND ALL OTHER VENTILATION IS THE RESPONSIBLITY OF OTHERS

AD215119	HOLGATE LUMBER COMPANY CITY OF NAPOLEON	6 PRE	
DA003	STRUCTURAL DESIGN – ONLY ENGINEER STAMP BOX	FULL	R1

DATE: 2/9/2007
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SHEET 3 OF 13
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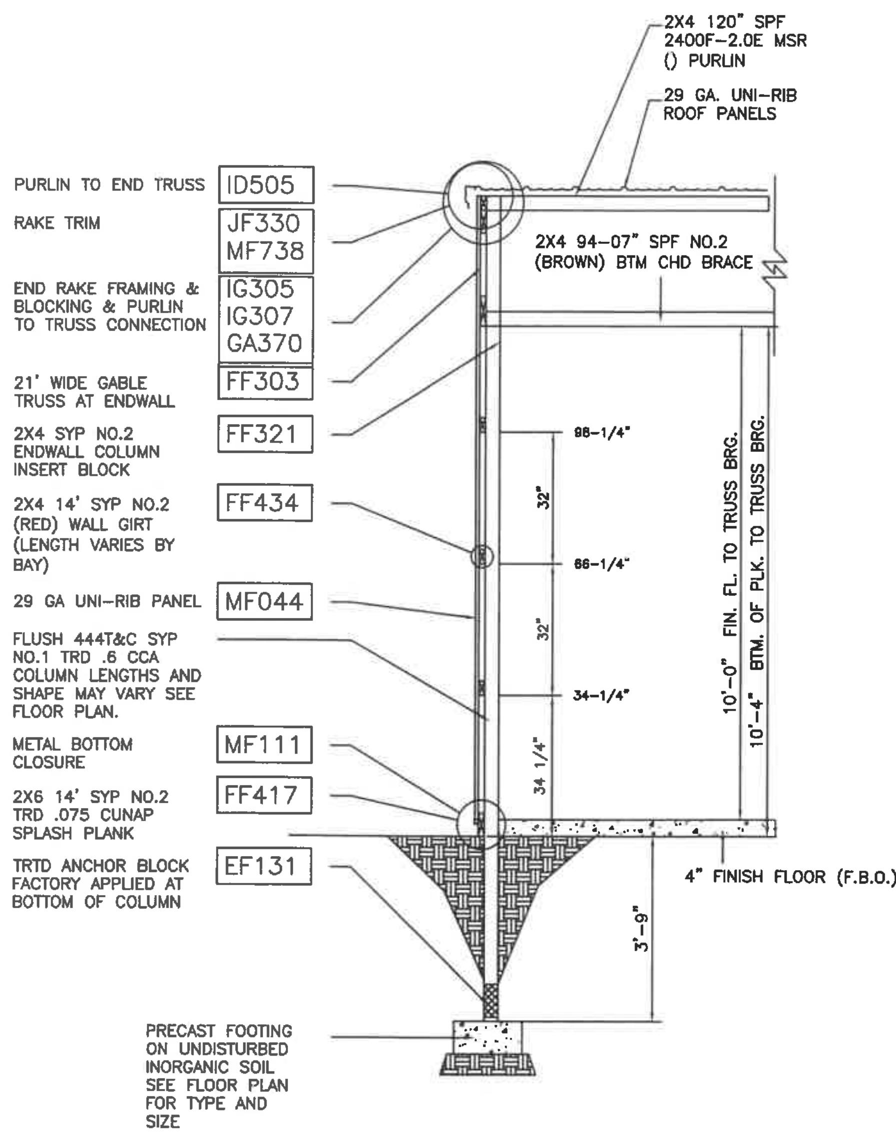
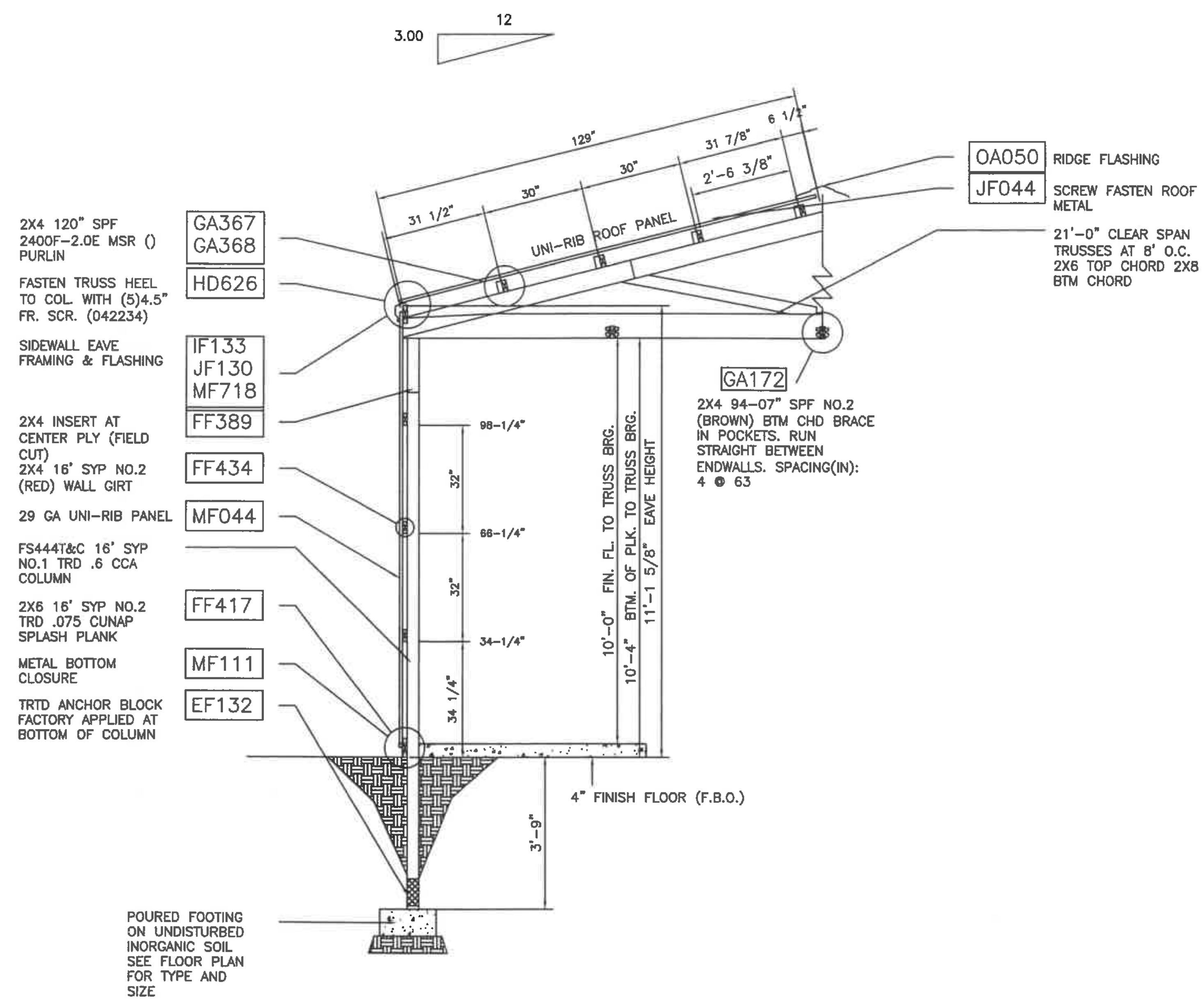
JOB DESCRIPTION: .21 X 48 X 10 T&C I CODE
CUSTOMER: .CITY OF NAPOLEON .255 W. RIVERVIEW .NAPOLEON, OH 43545
DEALER: HOLGATE LUMBER COMPANY 215 LEE ST, PO BOX 157 HOLGATE, OH 43527

LESTER BUILDINGS
LESTER PRAIRIE, MN 800-238-4412....Ext.5000+
CHARLESTON, IL 866-276-0785........Ext.3100+
CLEARBROOK, VA 866-807-5910.......Ext.6000+



A4 **EndWall Section**
SCALE: 1/4 = 1'



B4 **SideWall Section**
SCALE: 1/4 = 1'

STATE OF OHIO
KEVIN EDWARD CONROY
54224
REGISTERED PROFESSIONAL ENGINEER
2/9/07

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DA003	STRUCTURAL DESIGN – ONLY ENGINEER STAMP BOX	FULL	R1

DATE: 2/9/2007
JOB-NUMBER 215119
SHEET 4 OF 13
DRWN BY: KEN CHAPMAN
CHKD BY:
REV NO:
JOB DESCRIPTION: 21 X 48 X 10 T&C I CODE
CUSTOMER: CITY OF NAPOLEON, 255 W. RIVERVIEW, NAPOLEON, OH 43545
DEALER: HOLGATE LUMBER COMPANY, 215 LEE ST, PO BOX 157, HOLGATE, OH 43527

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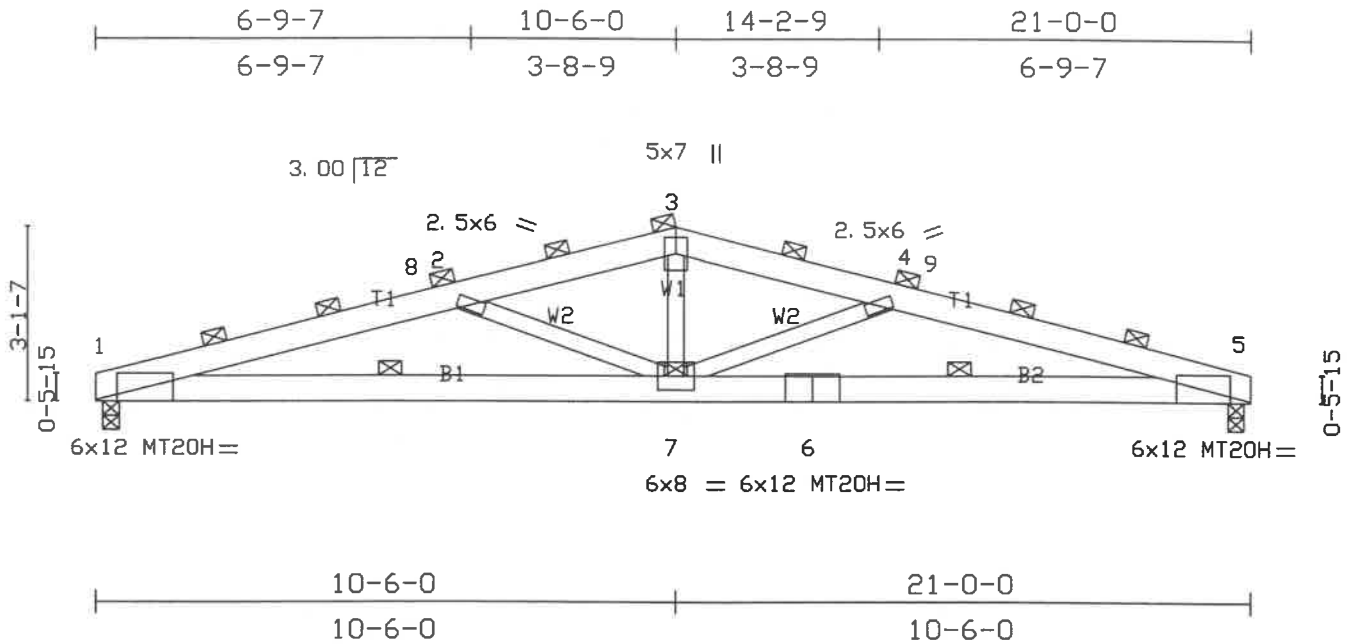
Job	Truss	Truss Type	Qty	Ply	HOLTGATE LUMBER / CITY OF NAPOLEAN
215119	21T8JC	QUEENPOST	5	1	21' Wide 8' O.C. 20-4-5 NTC Truss Job Reference (optional)

Lester Building Systems Charleston 6.250 s Oct 5 2005 MiTek Industries, Inc. Fri Feb 09 07:42:48 2007 Page 1



LOADING (psf)	SPACING 10-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.15	TC 0.84	Vert(LL) -0.33 7 >762 360	MT20	220/190
TCDL 4.0	Lumber Increase 1.15	BC 0.78	Vert(TL) -0.60 1-7 >411 180	MT20H	165/146
BCLL 0.0	Rep Stress Incr NO	WB 0.50	Horz(TL) 0.14 5 n/a n/a		
BCDL 5.0	Code IBC2003/TPI2002	(Matrix)		Weight: 106 lb	

LUMBER
TOP CHORD 2 X 6 DF/SYP 2400F 2.0E
BOT CHORD 2 X 6 DF/SYP 2400F 2.0E
WEBS 2 X 4 SYP No.2
1 - Ply

BRACING
TOP CHORD 2-6-0 oc purlins (2-8-1 max.).
BOT CHORD 5-3-0 oc bracing.
JOINTS 1 Brace at Jt(s): 3

REACTIONS (lb/size) 1=3003/0-3-8, 5=3003/0-3-8
Max Horz 1=145(load case 2)
Max Uplift1=-1095(load case 2), 5=-1095(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-8=-8387/2964, 2-8=-8005/2967, 2-3=-6469/2087, 3-4=-6469/2087, 4-9=-8005/2971, 5-9=-8387/2968
BOT CHORD 1-7=-2867/7934, 6-7=-2726/7934, 5-6=-2726/7934
WEBS 2-7=-1914/1149, 3-7=-589/2109, 4-7=-1914/1153

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 90mph; h=13ft; TCDL=2.4psf; BCDL=1.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) 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.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Two RT7 USP connectors recommended to connect truss to bearing walls due to uplift at jt(s) 1 and 5.
7) This truss is designed in accordance with the 2003 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 8 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) Purlins are supported between trusses by means of a ledger strip or purlin hanger.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	HOLTGATE LUMBER / CITY OF NAPOLEAN
215119	21T8JC	QUEENPOST	5	1	21' Wide 8' O.C. 20-4-5 NTC Truss Job Reference (optional)

Lester Building Systems Charleston 6.250 s Oct 5 2005 MiTek Industries, Inc. Fri Feb 09 07:42:48 2007 Page 2

LOAD CASE(S) Standard Except:
8) User defined: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-50(F), 1-3=-80(F), 3-4=-221(F), 4-5=-174(F)

STATE OF OHIO
KEVIN GERARD CONROY
54224
REGISTERED PROFESSIONAL ENGINEER
2/9/07

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CT215119	HOLGATE LUMBER COMPANY CITY OF NAPOLEON	4 PRE

DA003	STRUCTURAL DESIGN – ONLY ENGINEER STAMP BOX	FULL	R1

SHEET 5 of 13
DATE: 2/9/2007
JOB-NUMBER 215119
DRAWN BY: KEN CHAPMAN
CHKD BY:
REV NO:
JOB DESCRIPTION: 21 X 48 X 10 T&C I CODE
CUSTOMER: CITY OF NAPOLEON, 255 W. RIVERVIEW, NAPOLEON, OH 43545
DEALER: HOLGATE LUMBER COMPANY, 215 LEE ST, PO BOX 157, HOLGATE, OH 43527

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CLEARBROOK, VA 866-807-5910.........Ext.6000+

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
16d COM	0.131"X3.25	1.5	1.7
16d R.S.	0.131"X3.25	1.4	1.4
10d COM	0.131"X3.25	1	1.2
10d CC	0.131"X3.25	1	1
8d COM	0.131"X2.5	1	1

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.

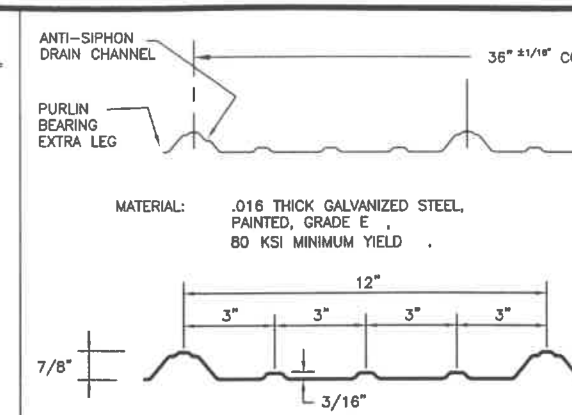
SAMPLE USE		
2X4 PURLIN FLAT	HAND NAIL GUN NAIL	(2) 16d COMMONS OR (3) 0.131 X 3.25 SMOOTH
FLAT GIRTS	HAND NAIL GUN NAIL	(2) 16d RING SHANKS OR (3) 0.131 X 3.25 SMOOTH
SPLASHPLANK	HAND NAIL GUN NAIL	(3) 16d RING SHANKS OR (4) 0.131 X 3.25 SMOOTH
SHELF GIRTS	HAND NAIL GUN NAIL	(4) 10d BOX TOE NAILS OR (4) 0.131 X 3.25 SMOOTH
5/8" SHEATHING	PER DETAIL JD024 & MB510	

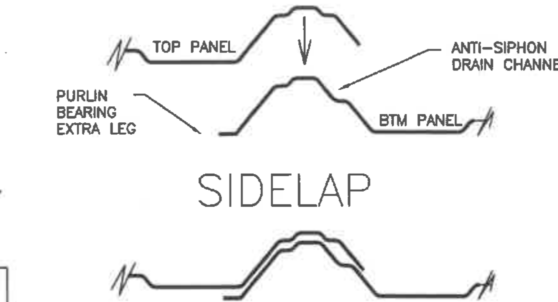
DA600 | GUN NAIL CONVERSION CHART GENERAL INFORMATION | 32 R0

CONVERSION TO GALVANIZED NAIL

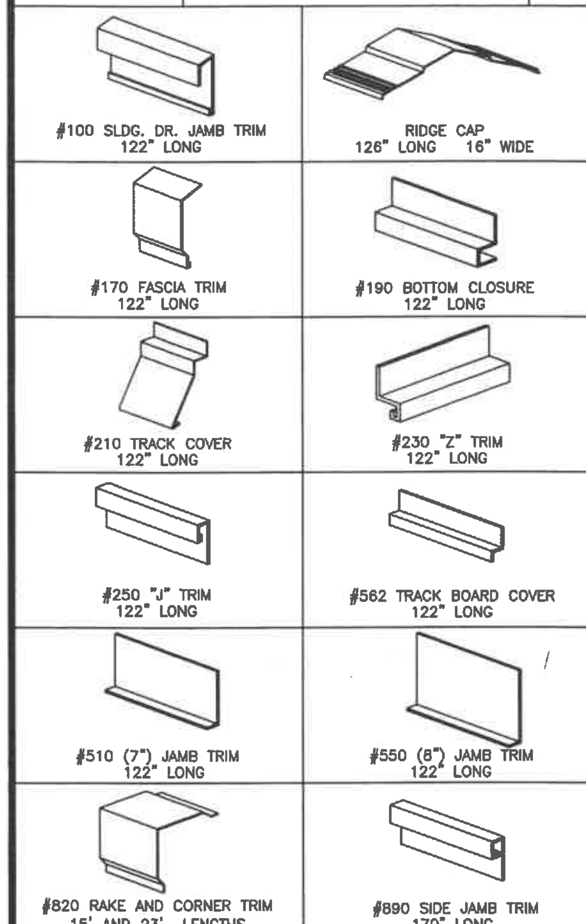
040021	4d COMMON BRIGHT = 040082	4d GALV COMMON
040025	8d COMMON BRIGHT = 040086	8d GALV COMMON
040026	10d COMMON BRIGHT = 040087	10d GALV COMMON
040028	16d COMMON BRIGHT = 040089	16d GALV COMMON
040016	10d CC BOX = 040076	10d GALV BOX

DA603 | NAIL CONVERSION TO GALV NAILS GENERAL INFORMATION 1 | 32 R0



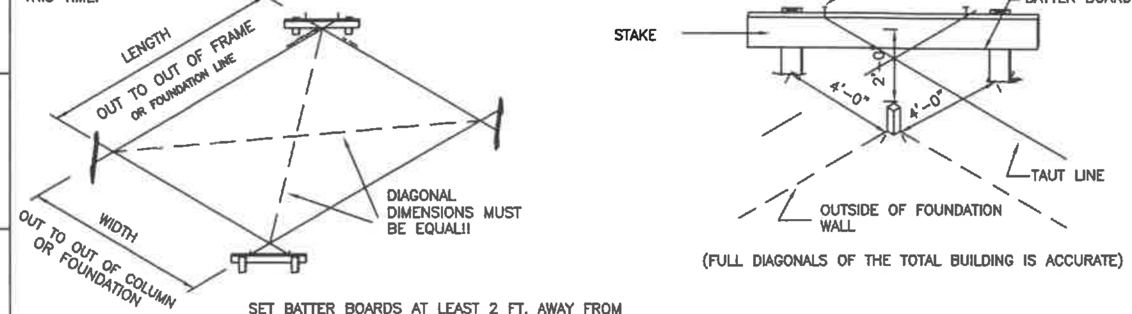


DD030 | 38 1/4" OVERALL WIDTH-36" COVERAGE UNI-RIB PANEL SECTION AND SPECS 1.5" | 48 E0



DE095 | COMMON METAL TRIM IDENTIFICATIONS 32 STANDARD METAL FLASHINGS 1=1 | R1

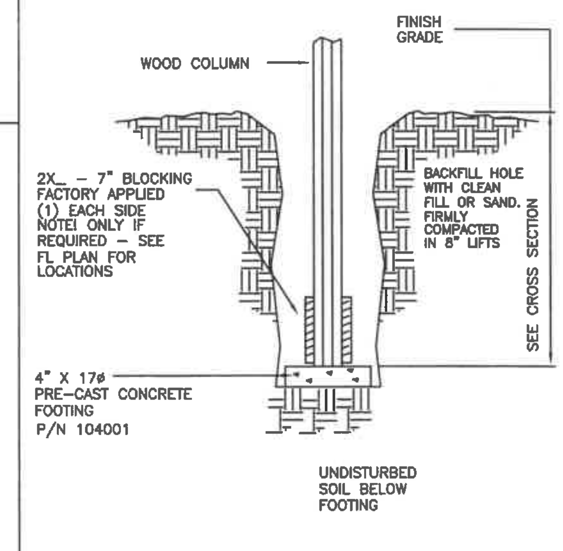
FOUR BATTER BOARDS SHOULD BE USED TO MARK LOCATION OF A RECTANGULAR BUILDING ON THE SITE. THE FINISH GRADE FOR THE SITE AROUND THE PERIMETER MUST BE ESTABLISHED AT THIS TIME.



SET BATTER BOARDS AT LEAST 2 FT. AWAY FROM EACH CORNER. ONCE AGAIN, DOUBLE CHECK THE DIAGONALS FOR SQUARE.

EF020 | SET BATTER BOARDS SITE PREPARATION | 384 R2

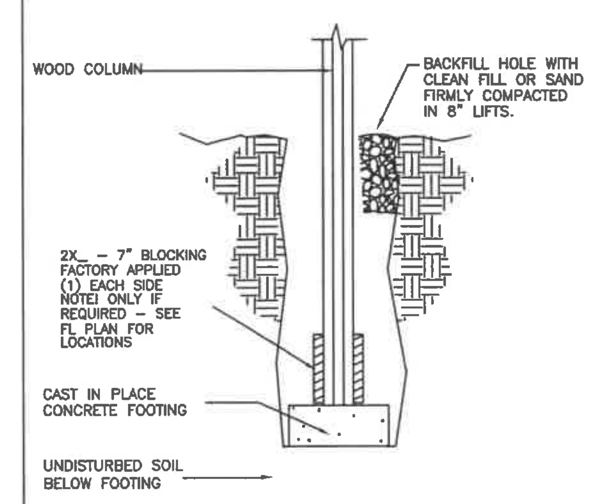
1. AUGER AND/OR HAND DIG HOLES TO THE DIA. SPECIFIED ON FLOOR PLAN.
2. REMOVE ALL LOOSE DIRT FROM BOTTOM OF HOLE, "TAMP" BOTTOM OF HOLE WELL.
3. LOWER THE CONCRETE PAD INTO THE HOLE USING ROPE.
4. LOCATE AND PLUMB THE COLUMNS.
5. PARTIALLY BACK FILL THE HOLE USING, WELL COMPACTED 8" LIFTS
6. CONTINUE BACKFILING HOLE TO GRADE.



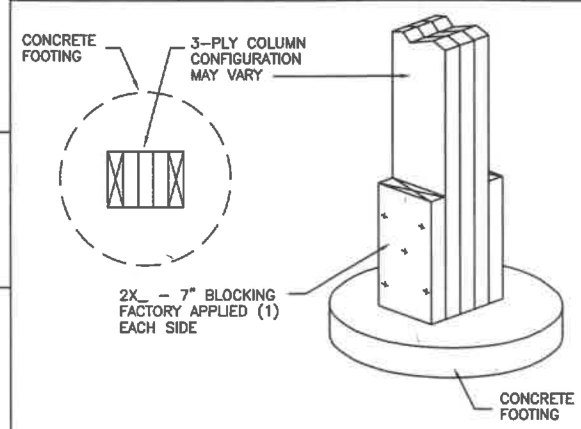
EF131 | PRECAST CONCRETE FOOTING ANCHOR BLOCKS 2" | 64 R1

1. AUGER HOLE AS PER DIAMETER REQUIRED FOR THE FOOTING.
2. REMOVE ALL LOOSE DIRT FROM BOTTOM OF HOLE, "TAMP" BOTTOM OF HOLE WELL.
3. POUR CONCRETE FOOTING TO SIZE NEEDED.
5. ALLOW CONCRETE TO CURE PROPERLY.
6. POSITION WOOD COLUMN IN HOLE & MAKE SURE COLUMN IS PLUMB.

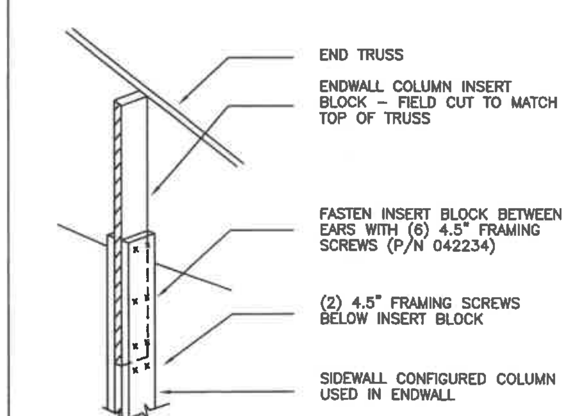
SEE CROSS SECTION AND FLOOR PLAN FOR EMBEDMENT DEPTH AND FOOTING SIZES.



EF132 | POURED CONC. FOOTING ANCHOR BLOCKS 1/2" | 16 R2



EF138 | STANDARD ANCHOR BLOCKS TOWN & COUNTRY 1" | 32 R2

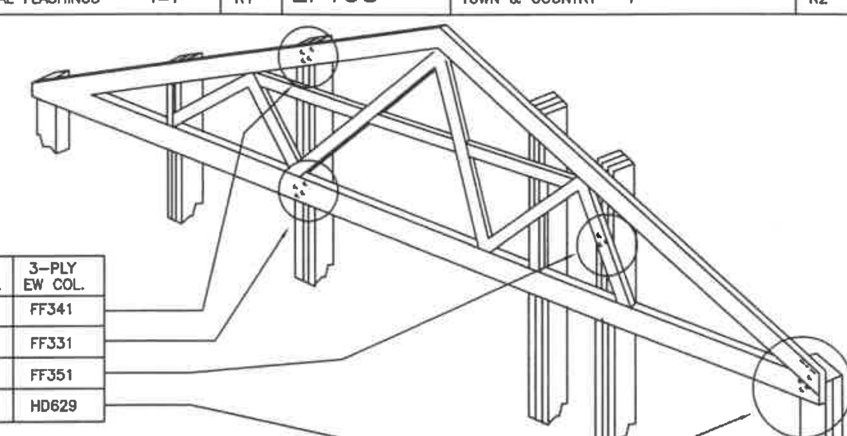


FF321 | ENDWALL COLUMN INSERT BLOCK T&C I | 16 PRE

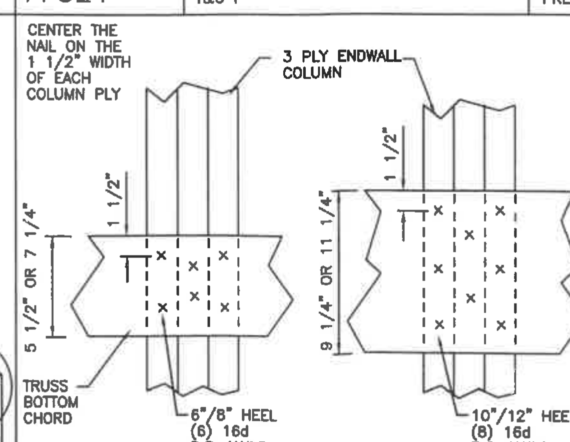
SINGLE PLY TRUSS CONNECTION TO ENDWALL COLUMNS

REFER TO THE DETAILS INDICATED FOR THE CONNECTION REQUIRED

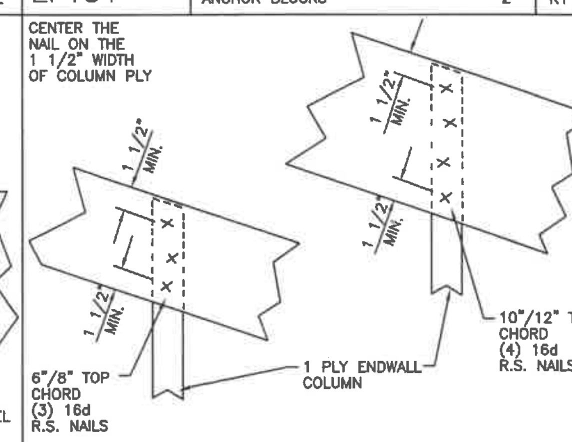
ONE PLY GABLE TRUSS	1-PLY EW COL.	3-PLY EW COL.
TRUSS TOP CHORD	FF340	FF341
TRUSS BTM CHORD	NA	FF331
TRUSS DIAGONAL WEBS	FF350	FF351
TRUSS HEEL @ CORNER	NA	HD629



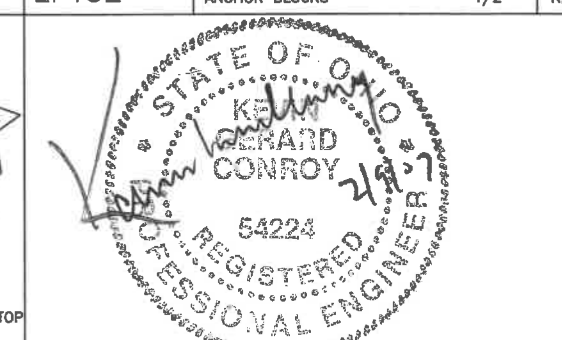
FF303 | GABLE TRUSS TO ENDWALL COLUMN CONN. T & C 2001 WALL FASTENING FULL | 384 R1



FF331 | BOTTOM CHORD TO 3-PLY ENDWALL COL. ENDWALL CONNECTIONS UNI-FR. 1.5" | 48 R1



FF340 | TOP CHORD TO 1-PLY ENDWALL COL. ENDWALL CONNECTIONS 1.5" | 48 R0



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

DATE: 2/9/2007
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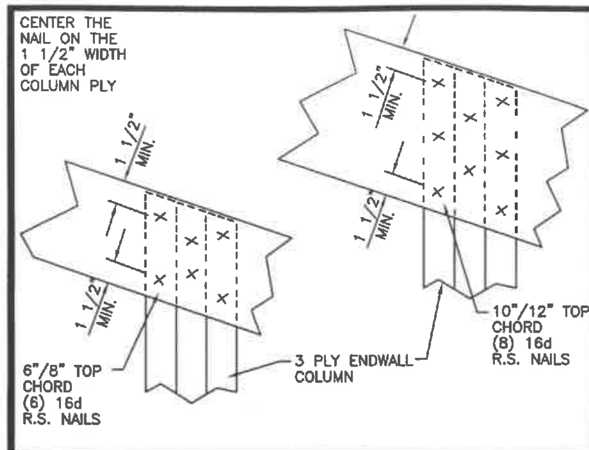
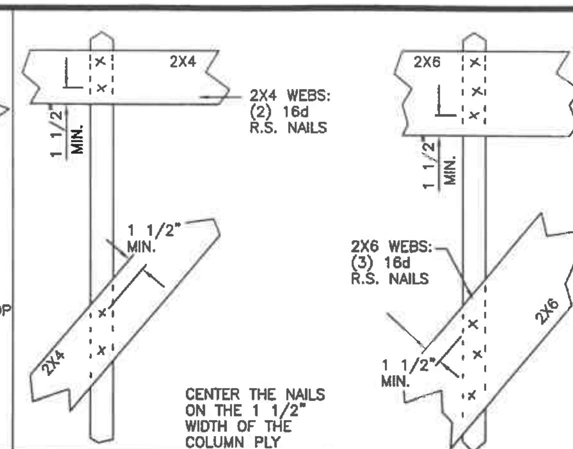
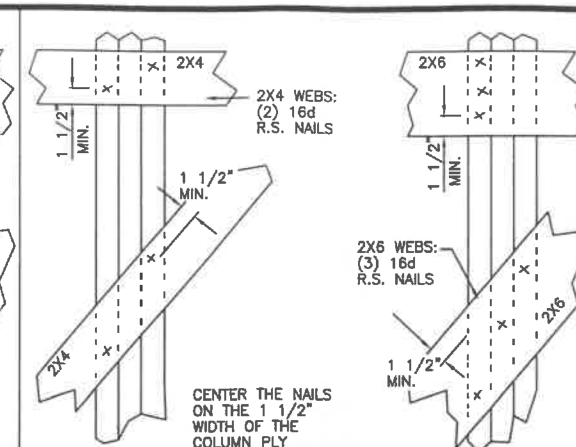


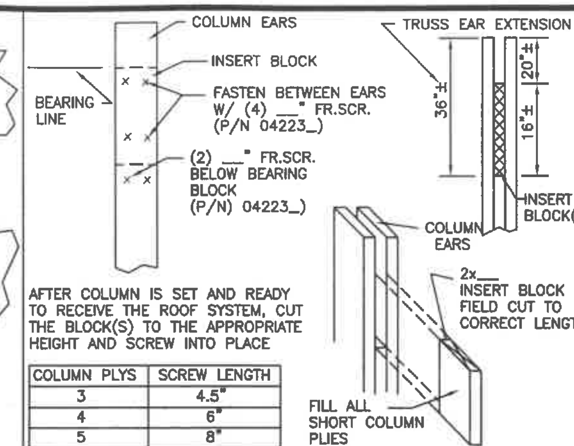
FF341	TOP CHORD TO 3-PLY ENDWALL COL. ENDWALL CONNECTIONS UNI-FR. 1.5"	48 R1



FF350	TRUSS WEB TO 1-PLY ENDWALL COL. ENDWALL CONNECTIONS 1.5"	48 R0



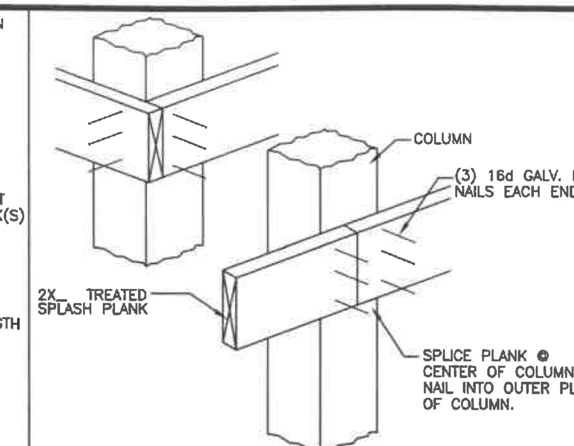
FF351	TRUSS WEB TO 3-PLY ENDWALL COL. ENDWALL CONNECTIONS UNI-FR. 1.5"	48 R1



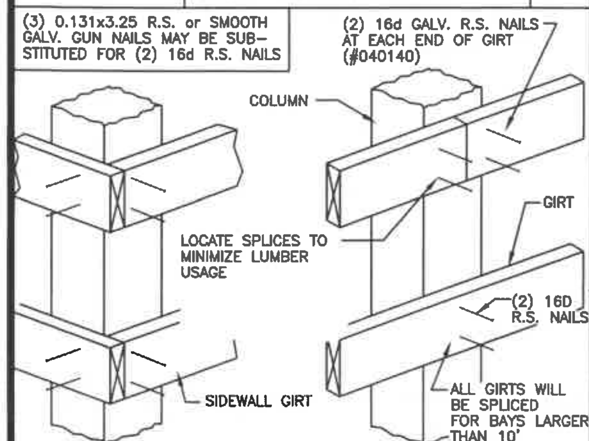
AFTER COLUMN IS SET AND READY TO RECEIVE THE ROOF SYSTEM, CUT THE BLOCK(S) TO THE APPROPRIATE HEIGHT AND SCREW INTO PLACE

COLUMN PLYS	SCREW LENGTH
3	4.5"
4	6"
5	8"

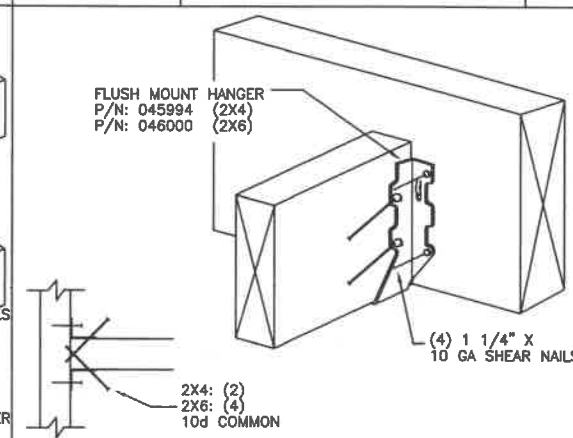
FF390	FLUSH SIDEWALL COLUMN PREP. 2X6,8,10 COL. ROOF SYS. 1-PC. COLUMN UNI-I 3/4	R4



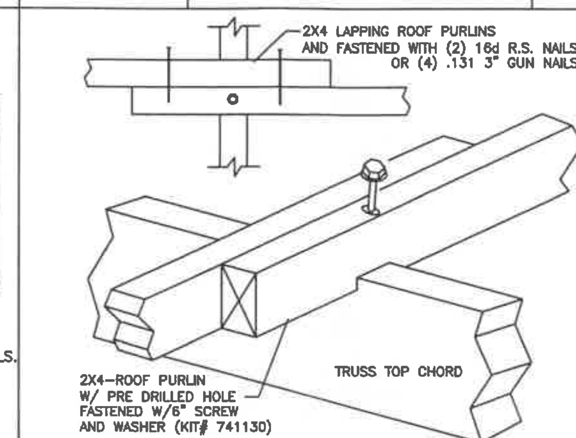
FF417	SPLASH PLANK CONNECTION BY-PASS WALL FASTENING 1"	32 R0



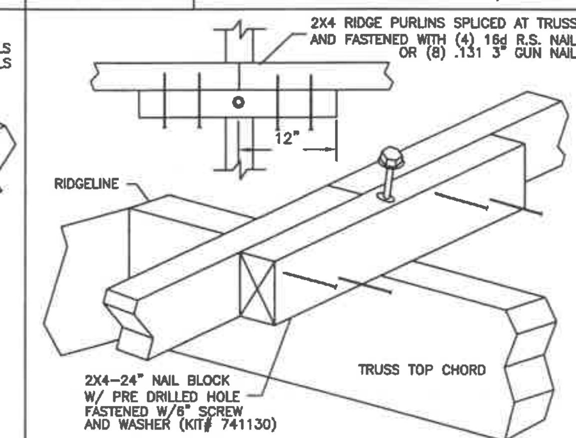
FF434	BYPASS WALL GIRT CONNECTION WALL FASTENING 1"=1	32 R1



GA172	2X4/2X6 FLUSH MOUNT HANGER BOTTOM CHORD BRACES 2"=1	64 R1



GA367	ROOF PURLIN CONNECTION TO TRUSS TOWN & COUNTRY 2001 1/8	4 R0

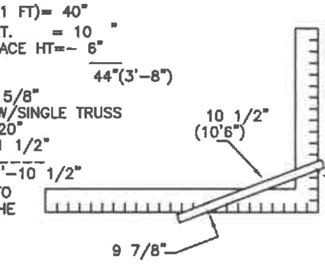


GA368	RIDGE PURLIN CONNECTION TO TRUSS TOWN & COUNTRY 2001 1/8	4 R0

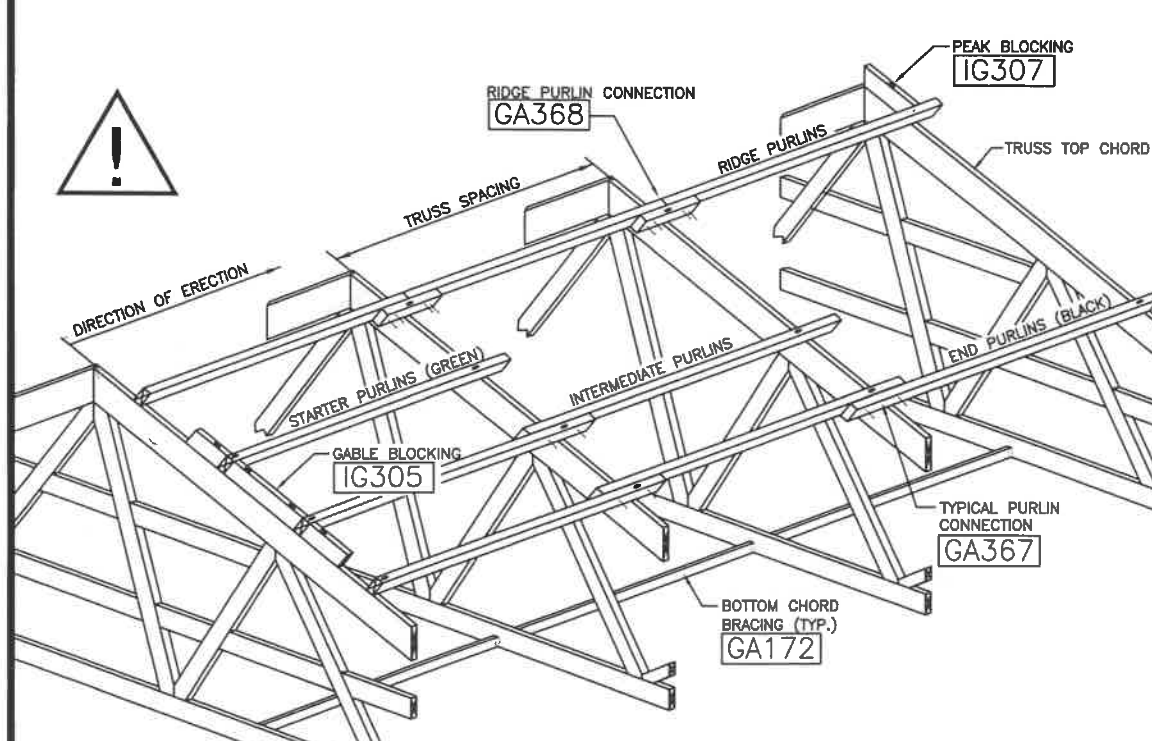
1. MEASURE THE RISE IN FEET AND INCHES.
2. SUBTRACT 6 INCHES FOR HEIGHT OF BRACE CUT
3. MEASURE THE BAY WIDTH IN FEET AND INCHES. MEASURE FROM INSIDE FACE TO INSIDE FACE OF THE TRUSSES.
4. KEEP THESE TWO MEASUREMENTS IN MIND AND GET OUT YOUR RAFTER FRAMING SQUARE.
5. THINK OF THE INCHES ON YOUR SQUARE IN TERMS OF FEET AND FRACTIONS OF A FOOT.
   1 INCH EQUALS 1 FOOT
   2 INCHES EQUALS 2 FOOT
   3 INCHES EQUALS 3 FEET
   ETC.
   1/2 INCH EQUALS 6 INCHES
   1/4 INCH EQUALS 3 INCHES
6. MEASURE ACROSS THE SQUARE WITH THE BAY WIDTH.
7. MEASURE UP THE VERTICAL LEG OF THE SQUARE FOR THE TRUSS RISE.
8. WITH THESE TWO POINTS MARKED ON YOUR SQUARE, USE A TAPE MEASURE TO MEASURE THE DIAGONAL.
9. THIS MEASUREMENT, WHEN THOUGHT OF AS FEET AND INCHES, WILL GIVE YOU THE LENGTH OF THE BRACE FROM THE LONG POINT TO THE SHORT POINT ON THE 2 X 6 BRACE.

EXAMPLE: 10'BAY SPACING, 4/12 ROOF
BRACE 10'IN FROM SIDEWALL
10" HEEL ON TRUSS

1. 10 X 4"(4"RISE PER 1 FT)= 40"
2. ADD 10" FOR HEEL HT. = 10 "
3. SUBTRACT 6" FOR BRACE HT=- 6"
   44"(3'-8")
4. CONVERT 3'8" TO 3 5/8"
5. BAY SPACING IS 10' W/SINGLE TRUSS 10 FT X 12" = 120"
6. SUBTRACT TRUSS= -1 1/2"
   9'-10 1/2"
7. CONVERT 9'10 1/2" TO 9 7/8" AND MARK THE FRAMING SQUARE
8. NOW READ THE TAPE MEASURE
9. THIS GIVES YOU THE LENGTH OF THE BRACE AND ALSO THE ANGLES TO CUT ON EACH END OF THE BRACE.

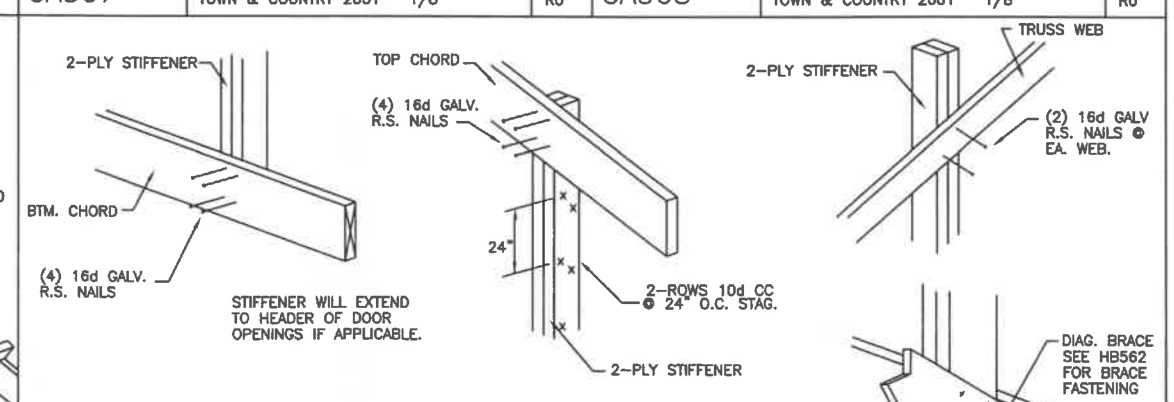


HB160	TRUSS DIAGONAL BRACE STEP BY STEP PROCEDURE	384 E0



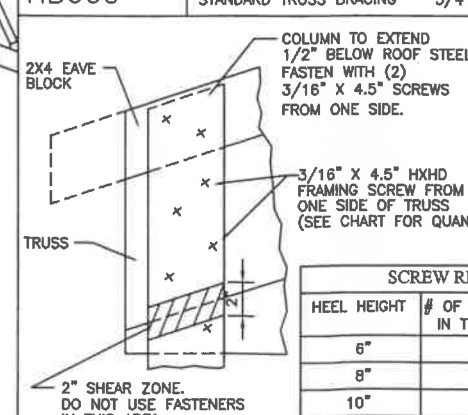
NOTE:
PURLIN SPLICES MUST LAP MIN 12" AS SHOWN

GA370	ROOF FRAMING T&C PURLINS ON EDGE OVER TOP OF TRUSS	24 R0



NOTE: SEE FLOOR PLAN AND CROSS SECTIONS FOR STIFFENER SIZE AND LOCATIONS.

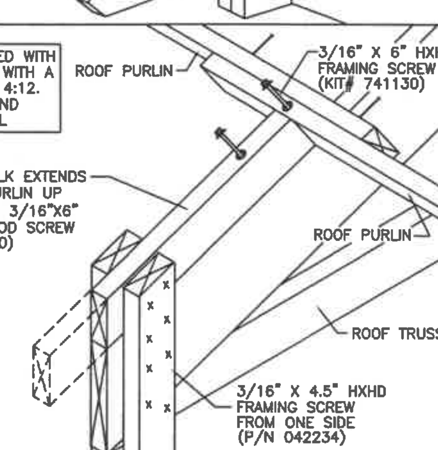
HB660	VERTICAL STIFFENER FASTENING STANDARD TRUSS BRACING 3/4"=1	24 E0



EAVE BLOCKS ONLY REQUIRED WITH OVERHANGS AND BUILDINGS WITH A ROOF PITCH GREATER THAN 4:12. COLUMN EARS ALWAYS EXTEND WITHIN 1/2" OF ROOF STEEL

SCREW REQUIREMENTS

HEEL HEIGHT	# OF 4.5" SCREWS IN TRUSS HEEL	TOTAL WITH EAVE BLOCKS
6"	3	5
8"	4	6
10"	5	7
12"	6	8



HD626	T&C TRUSS TO COLUMN ALL SIZES STANDARD TRUSS CONNECTION 1.5	48 E0

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DA003	STRUCTURAL DESIGN - ONLY ENGINEER STAMP BOX FULL	R1

DATE: 2/9/2007
JOB-NUMBER 215119
SHEET 7 OF 13
DRAWN BY: KEN CHAPMAN
CHKD BY:
REV NO:
JOB DESCRIPTION: .21 X 48 X 10 T&C I CODE
CUSTOMER: .CITY OF NAPOLEON .255 W. RIVERVIEW .NAPOLEON, OH 43545
DEALER: HOLGATE LUMBER COMPANY 215 LEE ST, PO BOX 157 HOLGATE, OH 43527

LESTER BUILDINGS
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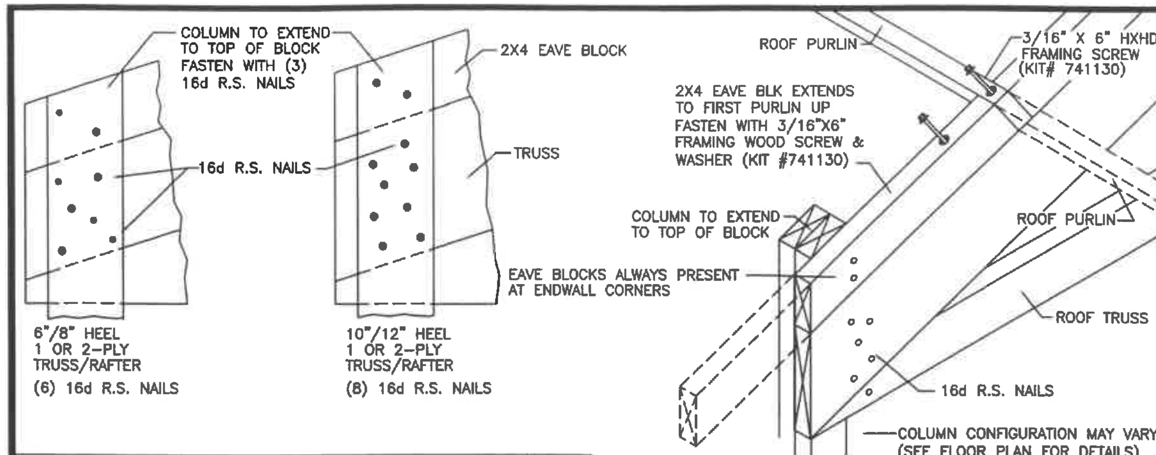
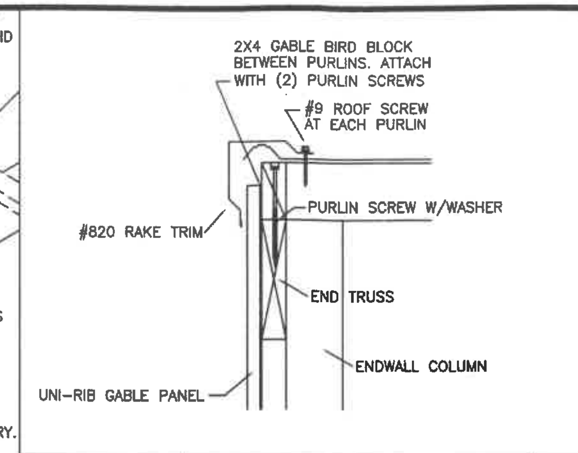
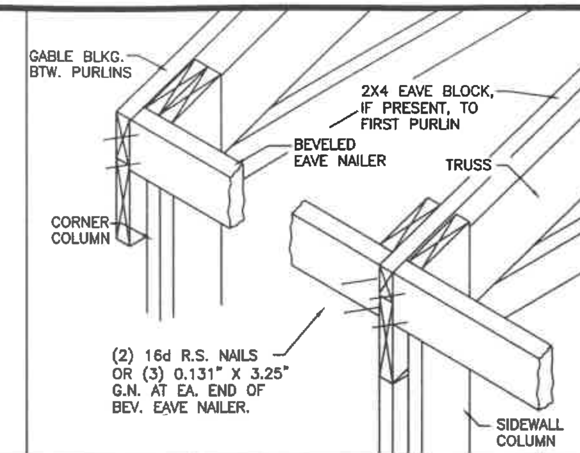
CHARLESTON, IL 866-276-0785.........Ext.3100+
CLEARBROOK, VA 866-607-5910.........Ext.6000+



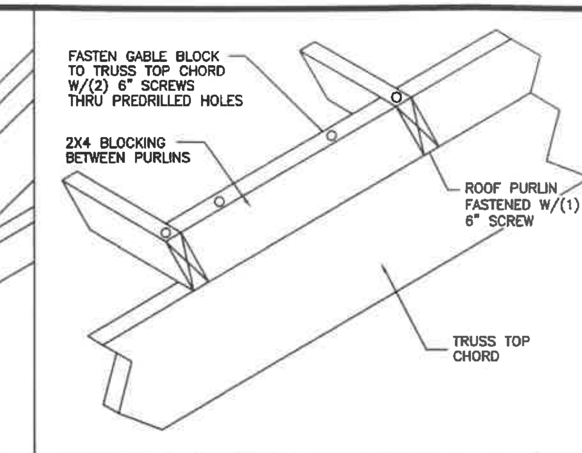
HD629	GABLE TRUSS TO CORNER COL CONNECT TOWN & COUNTRY 1.5	48 E0



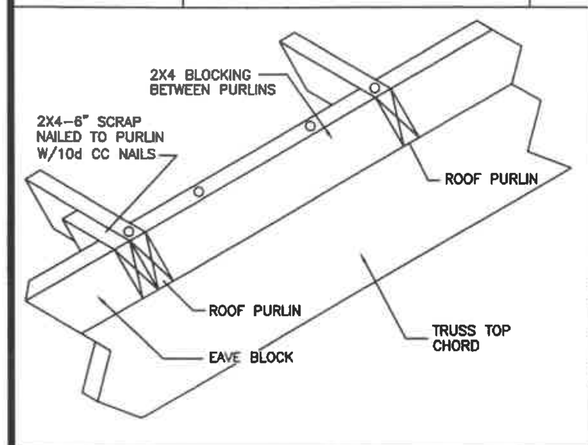
ID505	0" END OVERHANG T&C 1"	32 R0



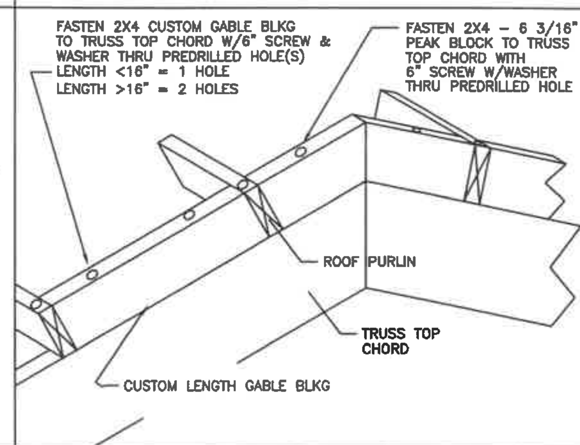
IF133	2X6 BEVELED EAVE NAILER EAVE FASTENING, T&C 1"	32 PRE



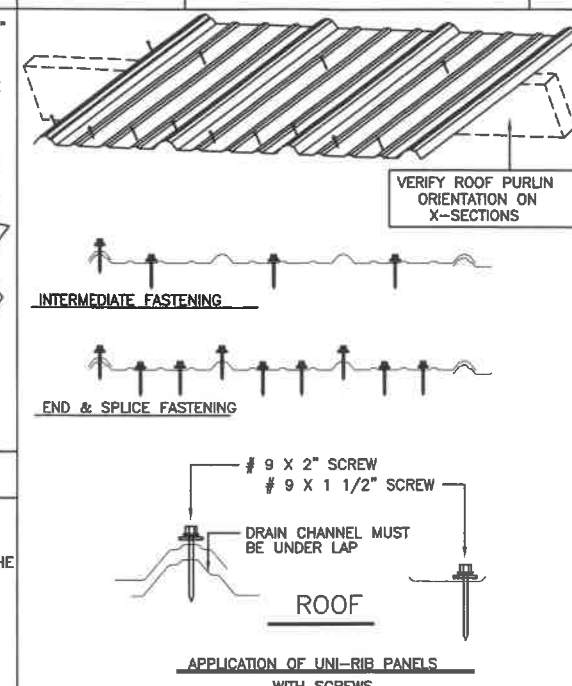
IG305	2X4 GABLE BLOCKING BETWEEN ROOF PURLINS @ GABLE 1/4"	8 R0



IG306	2X4 GABLE BLOCKING @ HIGH ROOF PURLINS @ GABLE 1/4"	8 R0

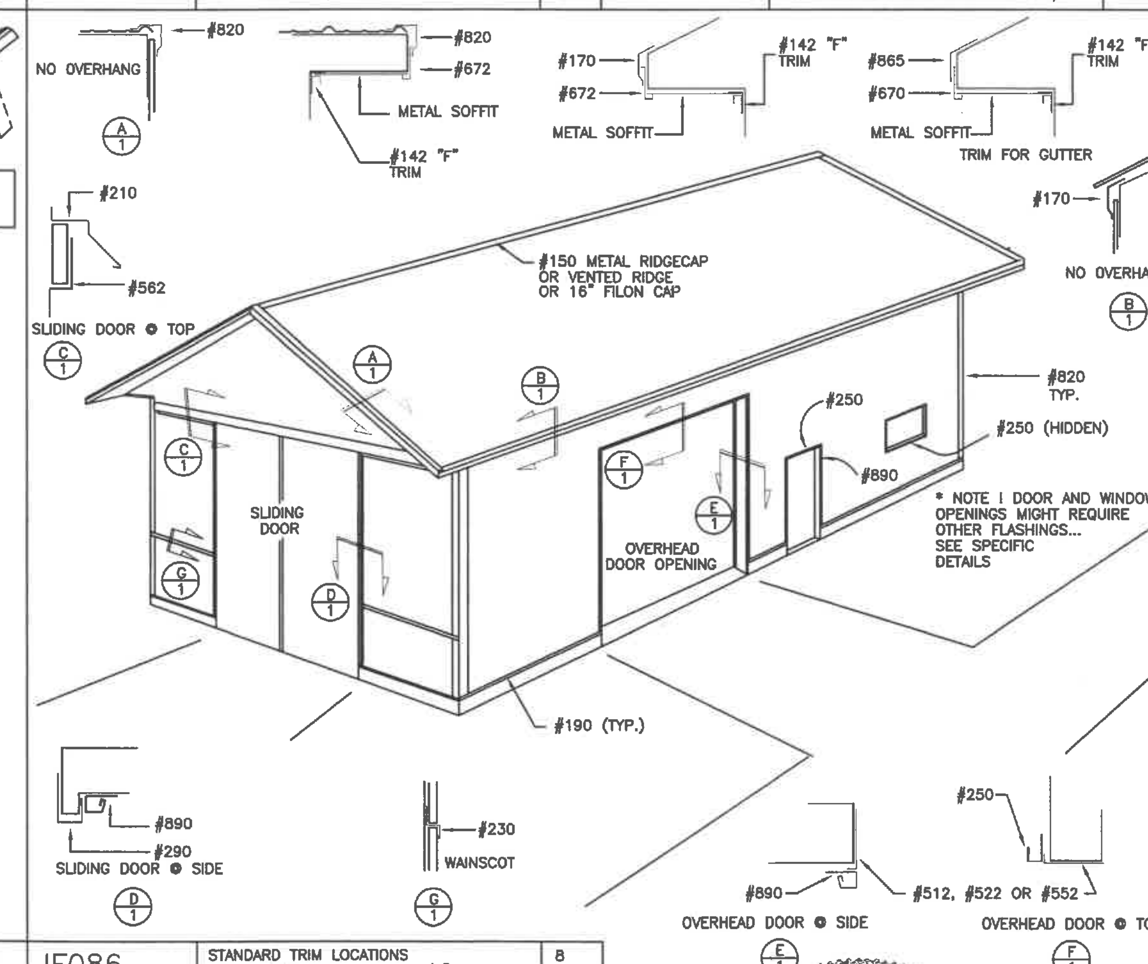


IG307	2X4 GABLE BLOCKING @ PEAK ROOF PURLINS @ GABLE 1/4"	8 R0

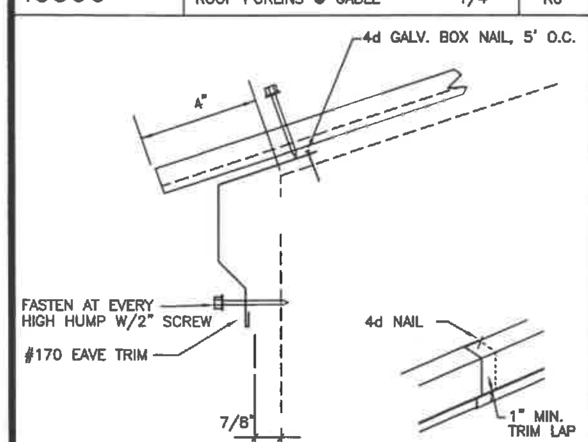


- USE # 9-16 MILL POINT 1 1/2" HWH EPDM AT "FLATS" OF PANEL. DO NOT OVER TIGHTEN.
  P/N 041000 W/SUFFIX RANGE
- USE # 9-16 MILL POINT 2" HWH EPDM AT MAJOR "RIB" OF PANEL. DO NOT OVER TIGHTEN.
  P/N 041020 W/SUFFIX RANGE
- WITH RIGID INSULATION: UP TO 1" THICK, INCREASE SCREW LENGTH BY 1/2" MORE THAN STANDARD
  IF INSUL IS MORE THAN 1" THICK, INCREASE LENGTH BY 1"
- PRIOR TO PANEL APPLICATION, AVOID WALKING ON MAJOR "RIBS" TO PREVENT DAMAGE

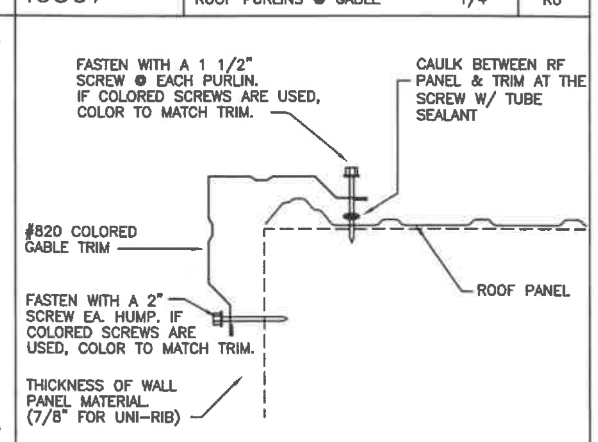
JF044	SCREW FASTEN PATTERN - ROOF UNI-RIB RF METAL UPDATE-1999 1/2	16 E2



JF086	STANDARD TRIM LOCATIONS METAL ROOF & WALLS 1/4"	8 E3



JF130	0" EAVE OVERHANG METAL ROOF TO EAVE CONNECTION 3"	96 R2

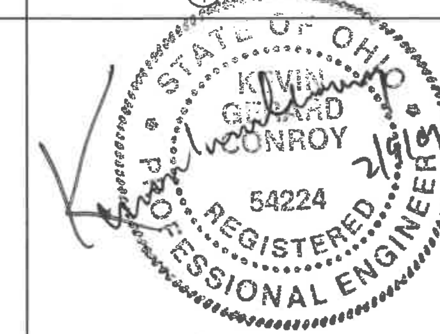


JF330	0" END OVERHANG METAL ROOF TO END CONNECTION 3"	96 E1

UNI-LOCK/BYPASS GIRT WALL CONFIGURATION. NO INTERIOR LINER

	~ LUMBER SIZE ~					
	2X4-8'	2X4-10'	2X4-12'	2X6-8'	2X6-10'	2X4-10' TRTD
EXPI-DOORS		1		5		1**
AJ WALK DRS	5*	1				1**
WINDOW SIZE	—	—	—	—	—	—
2X3		4			1	
2X4	3	2			1	
3X2	1	3			1	
3X3		4			1	
3X4	3	2			1	
3X5		5			1	
4X2		4			1	
4X3	3	2			1	
4X4	1	4			1	
5X4	1	4			1	
6X4	1	3	2		1	

KC425	UNI-LOCK / BYPASS GIRT - NO INT. LNR WK DOOR/ WDW LUMBER CHART 3"	96 R0	* IF CONC. DROP >6" THEN (2) 2X4-8' TRTD & (3) 2X4-8' UN-TRTD ** UNI-I BUILDING ONLY



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DATE: 2/9/2007
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REV NO:
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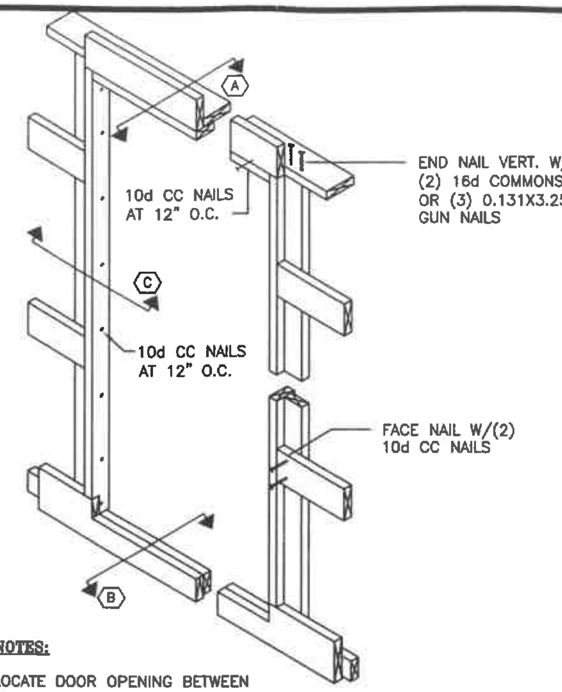
AJ WALK DOOR & WINDOW ROUGH OPENING CHART

	NOMINAL DOOR SIZE	ACTUAL DOOR FRAME WIDTH	ACTUAL DOOR FRAME HEIGHT	LESTER RECOMMENDED R.O. WIDTH	LESTER RECOMMENDED R.O. HEIGHT
AJ SERIES 3700 WALK DOORS	2668	31 9/16"	80 3/8"	31 3/4"	81"
	3068	37 9/16"	80 3/8"	37 3/4"	81"
AJ SERIES 5100 & 7100 WALK DOORS	2668	33 13/16"	80 5/8"	34"	81"
	3068	39 13/16"	80 5/8"	40"	81"
	4068	51 1/8"	80 5/8"	51 3/8"	81"
	6068	76 7/16"	80 5/8"	76 3/4"	81"
	8068	99"	80 5/8"	99 1/4"	81"

IF CONCRETE DROP EXISTS CONCRETE OPENING = ROUGH OPENING WIDTH + 3"

AJ 310, 500, 900, & 905 SERIES WINDOWS	AJ 500, 900 & 905 WINDOW R.O. = WINDOW NOMINAL SIZE EXAMPLE: 4X3 OR 4030 WINDOW ROUGH OPENING = 48" X 36" AJ 310 WINDOW R.O. = WINDOW NOM SIZE MINUS 1/2" IN HEIGHT EXAMPLE: 4X3 OR 4030 WINDOW R.O. OPENING = 48" X 35 1/2"

KC430 | ROUGH OPENING REFERENCE CHART A.J. MFG WALK DOOR & WINDOW FULL | 384 R0



NOTES:

LOCATE DOOR OPENING BETWEEN MAIN STRUCTURAL WALL COLUMNS.

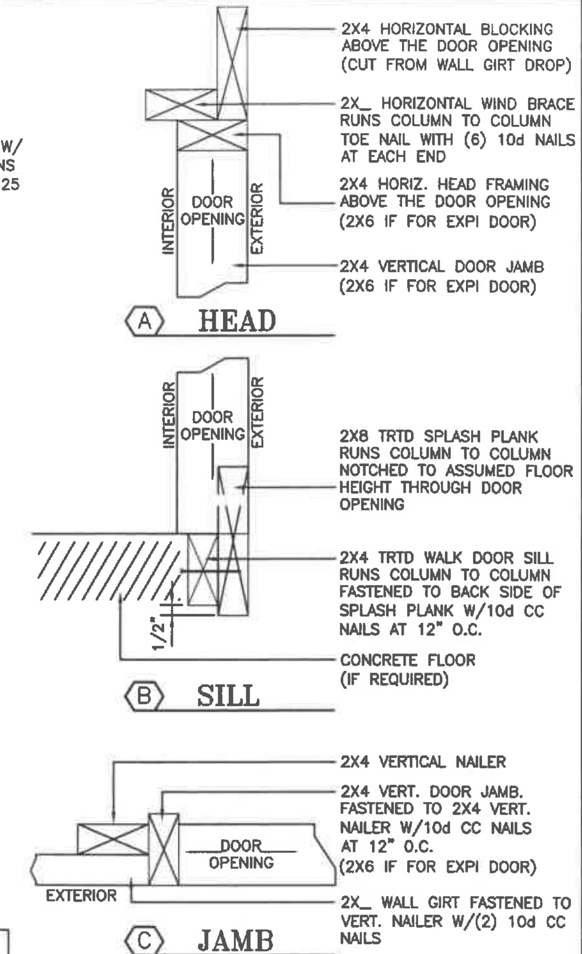
ROUGH OPENING STARTS FROM INSIDE FINISH FLOOR.

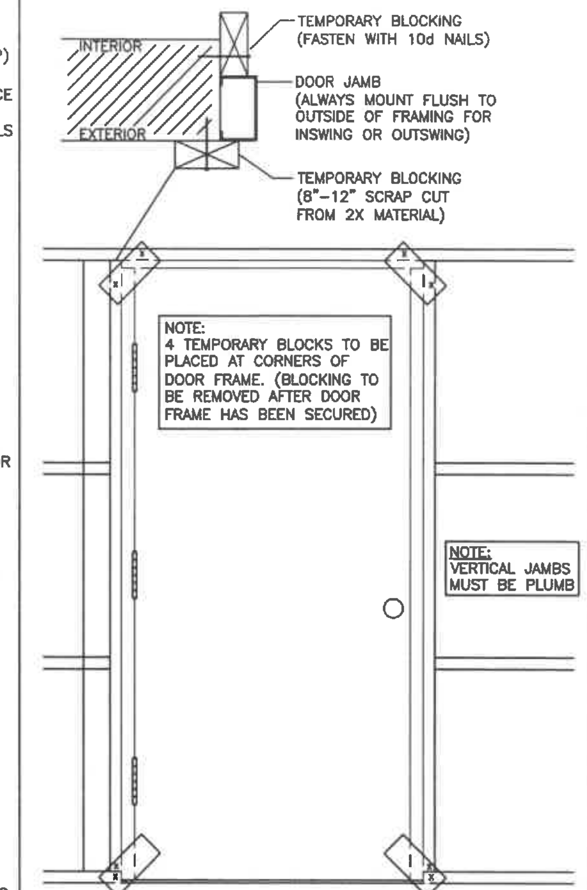
SEE DETAIL KC204, KC429 OR KC430 TO REFERENCE ROUGH OPENING.

FOR EXTERIOR CORRUGATED METAL, LOCATE THE DOOR OPENING SO THE "FLAT" OF THE METAL FALLS EQUALLY ON EACH SIDE OF THE OPENING.

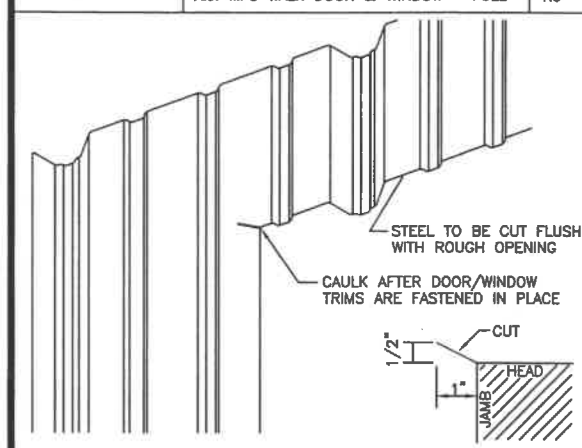
OPTIONAL GUN NAIL:
REPLACE 10d CC NAILS W/ 0.131 X 3.25" GUN NAILS

KC432 | UNI-I UNI-LOCK/BYPASS GIRT NO LINER WALK DOOR WOOD FRAMING WALK DOORS | 64 R1



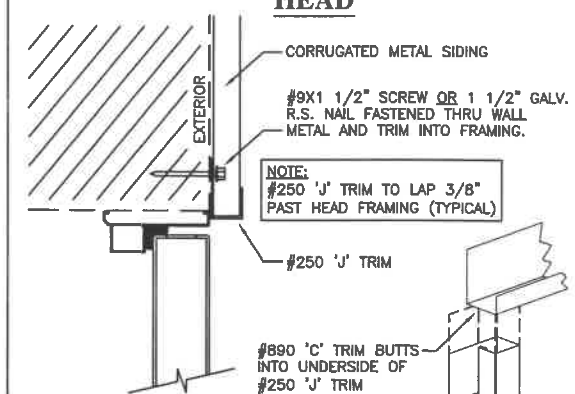


KC460 | WALK DOOR INSTALL W/ TEMP BLOCK WALK DOOR WOOD FRAMING WALK DR 3/4" | 24 R0



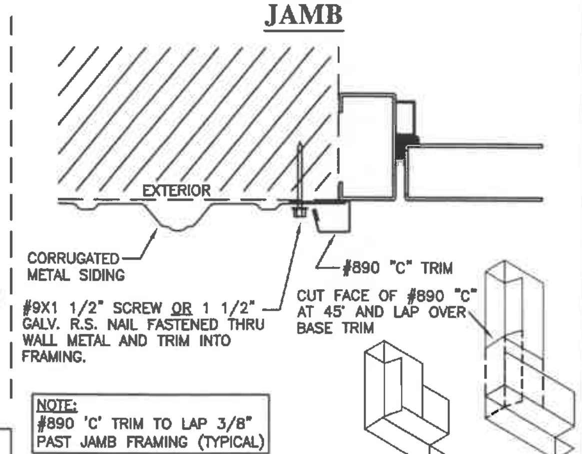
KC470 | ANGLE CUT @ CORNER-CORRUGATED METAL WK DR & WDO FLASHING AJ/EXPI 1/2" | 16 R0

HEAD

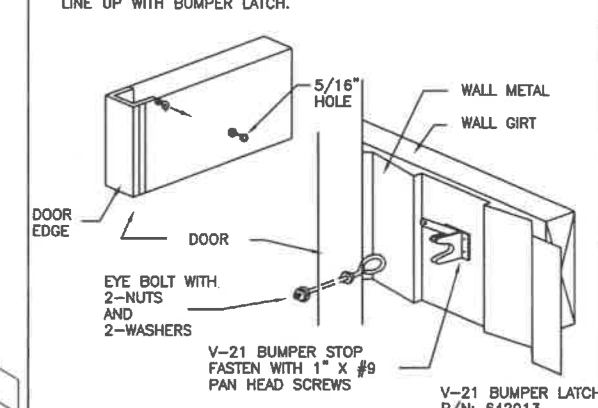


KC471 | EXTERIOR FINISH - CORRUGATED METAL WALK DOOR FLASHING AJ/EXPI 3" | 96 R0

JAMB

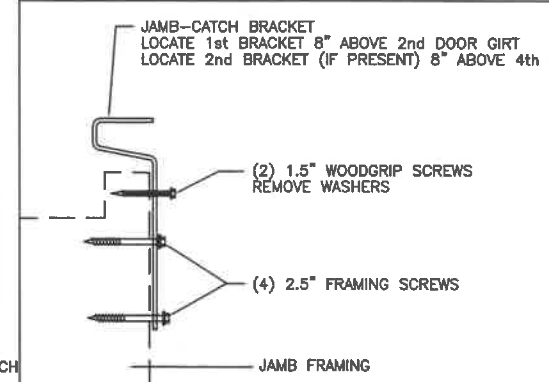


EYE BOLT MUST GO THROUGH METAL IN DOOR AND LINE UP WITH BUMPER LATCH.

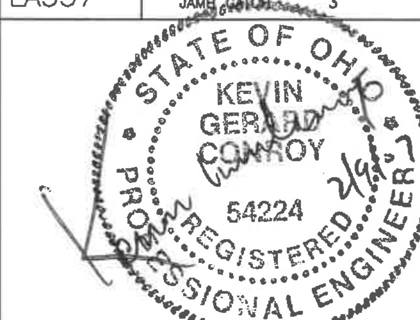


KC598 | V-21 DOOR BUMPER STOP WALK DOOR INSTALLATION 2" | 64 E0

LOCATE JAMB-CATCH AT BOTH JAMBS OF A DOUBLE DOOR
LOCATE JAMB-CATCH AT TRAILING EDGE ONLY OF SINGLE DOORS



LA337 | 3.5" SLIDING DOOR JAMB CATCH 3 | 96 R0



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CHKD BY:
REV NO:
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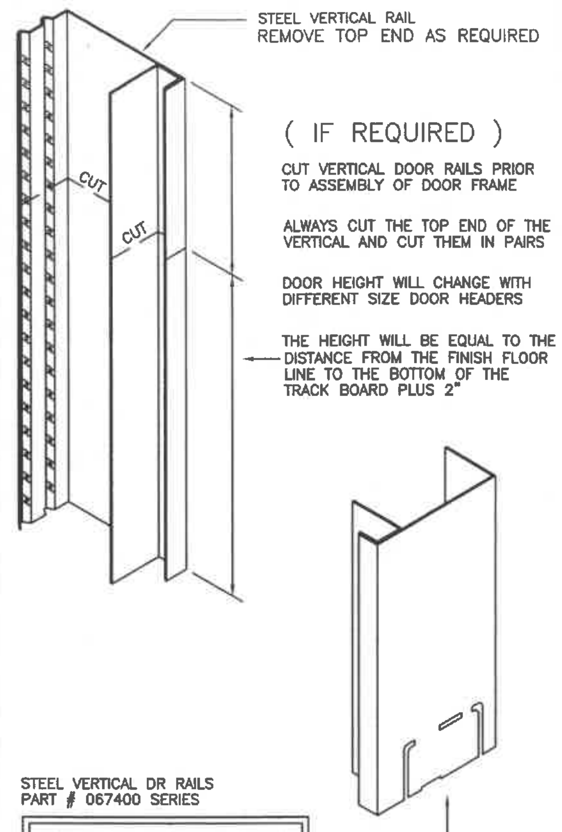


(IF REQUIRED)

CUT VERTICAL DOOR RAILS PRIOR TO ASSEMBLY OF DOOR FRAME

ALWAYS CUT THE TOP END OF THE VERTICAL AND CUT THEM IN PAIRS

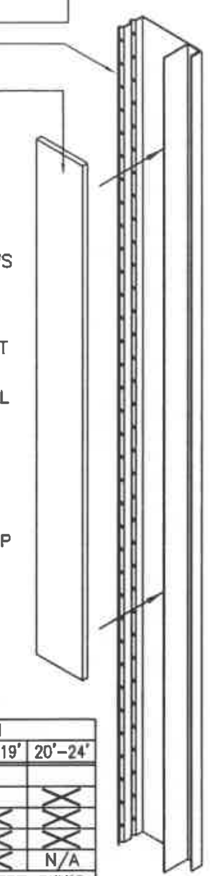
DOOR HEIGHT WILL CHANGE WITH DIFFERENT SIZE DOOR HEADERS

THE HEIGHT WILL BE EQUAL TO THE DISTANCE FROM THE FINISH FLOOR LINE TO THE BOTTOM OF THE TRACK BOARD PLUS 2"

BEND THE TAB INTO THE BOTTOM RAIL TO PROVIDE CLEARANCE FOR THE BOTTOM DOOR GUIDE

SLIDING DOOR VERTICAL PREPARATION | LA1

NOTE: INSTALL VERTICAL REINFORCEMENT IN THE CENTER TWO VERTICALS OF DOUBLE DOORS ONLY

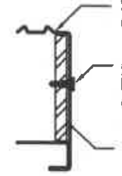


SLIDE FLAT STRIP INTO VERTICAL BEFORE LATERALS ARE INSTALLED

CENTER STRIP VERTICALLY INTO DOOR VERTICAL RAIL

FASTEN WITH (2) #12 SELF-DRILLING PANCAKE HEAD SCREWS 36" FROM EACH END OF THE REINFORCING STRIP

CUT GIRTS 3/8" ONLY AT REINFORCING STRIP. DO NOT CUT TOP OR BOTTOM GIRT.



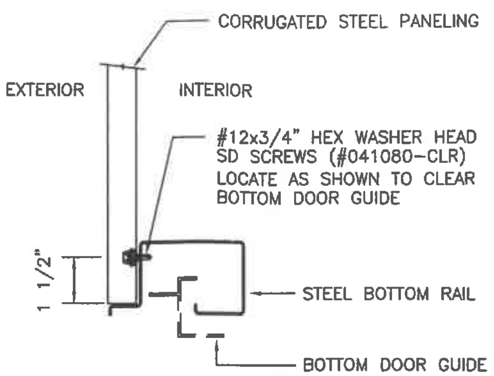
SEE CHART BELOW FOR THOSE DOORS THAT REQUIRE VERTICAL REINFORCEMENT

DOOR HT.	DOOR LEAF WIDTH 4'-9'	10'-11'	12'-14'	15'-19'	20'-24'
8'-12'					
13'-14'					X
15'-16'				X	X
17'-18'			X	X	X
19'-20'		X	X	X	N/A

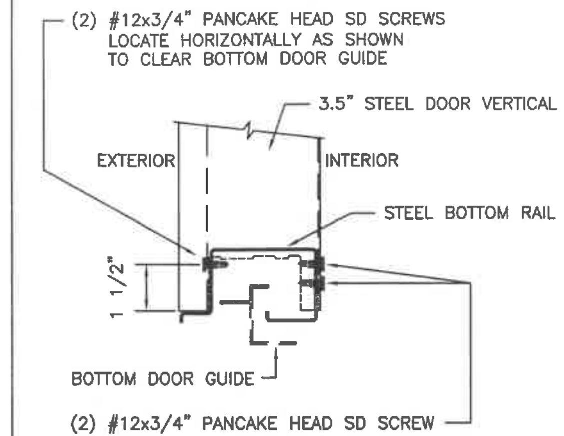
X REINFORCEMENT REQ. IN THESE SIZES

DOUBLE DOOR VERTICAL REINFORCEMENT | LA2

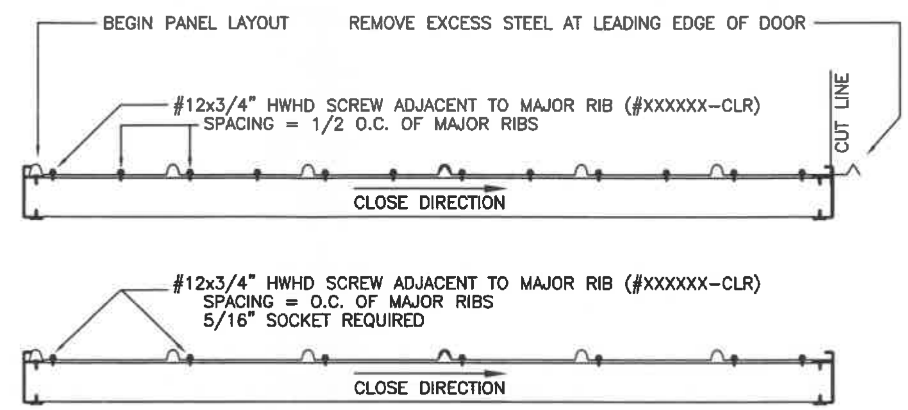
SEE STEEL PANEL FASTENING FOR FASTENER PATTERN



PANEL SCREWS @ BOTTOM RAIL | LA3



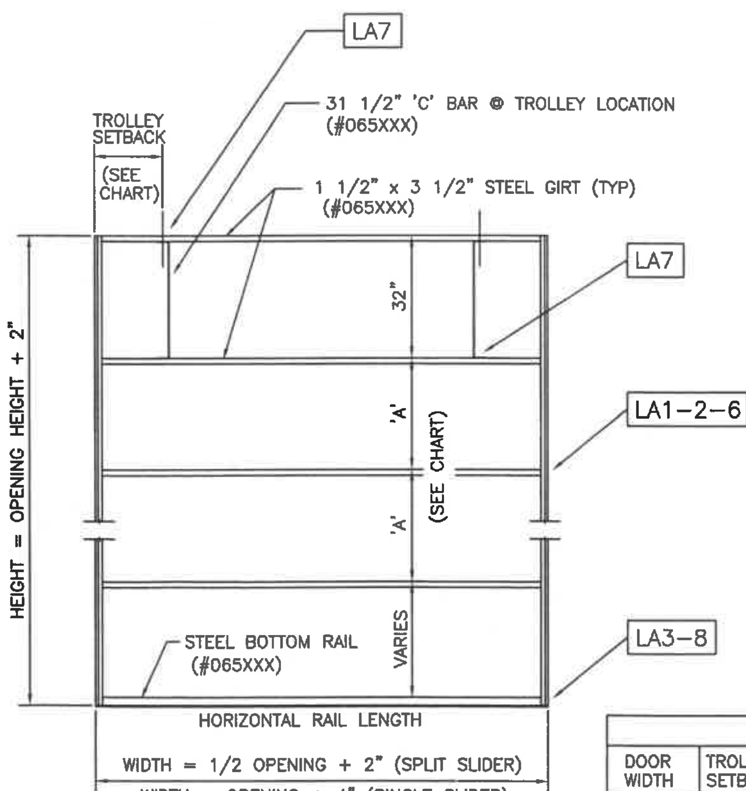
SLIDING DOOR – BOTTOM RAIL INSTALL | LA4



TOP & BOTTOM GIRT FASTENING PATTERN

INTERMIDIATE GIRT FASTENING PATTERN

SLIDING DOOR – STEEL PANEL FASTENING | LA5



SQUARE DOOR PRIOR TO FASTENING RAILS

#12x3/4" HEX WASHER HEAD SELF DRILLING SCREW (#041080-CLR)

STEEL PANEL INSTALLATION

5/16" SOCKET REQUIRED

#12x3/4" PANCAKE HEAD SELF DRILLING SCREW (#041095)

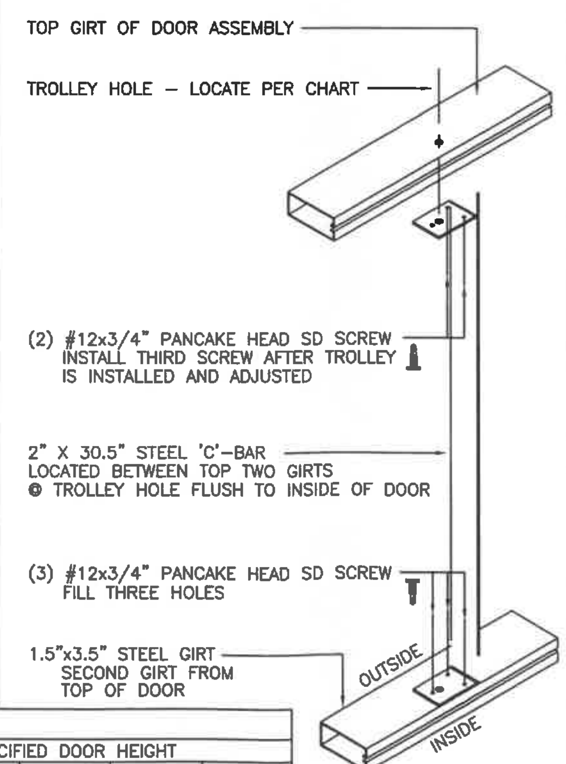
ALL STEEL TO STEEL DOOR FRAMING CONNECTIONS

#2 SQUARE or COMBO DRIVE

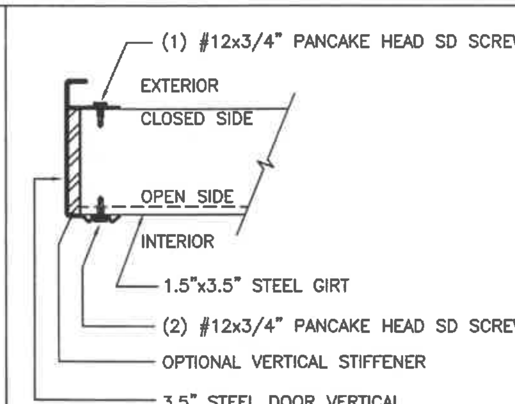
ADDITIONAL GIRT REQUIRED FOR OPTIONAL WAINSCOAT | LA4

DIMENSION 'A' & TROLLEY SETBACK

DOOR WIDTH	TROLLEY SETBACK	DIMENSION 'A' FOR SPECIFIED DOOR HEIGHT 8'-2"	10'-2"	12'-2"	14'-2"	16'-2"	18'-2"	20'-2"
4'-7'	6"	1@ 32"	2@ 29"	3@ 28"	4@ 27"	4@ 32"	5@ 31"	6@ 30"
>7'-11'	18"							
>11'-17'	30"							
>17'-19'	42"							
>19'-22'	48"	2@ 21"	3@ 22"	4@ 22"	5@ 23"	6@ 23"	6@ 26"	7@ 26"
>22'-24'	60"	3@ 16"	4@ 18"	5@ 19"	6@ 19"	8@ 18"	9@ 18"	10@ 19"

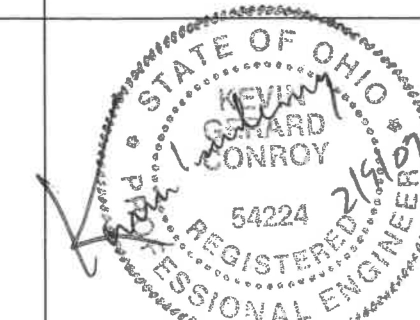


SLIDING DOOR C-BAR INSTALLATION | LA7



SLIDING DOOR – GIRT INSTALLATION | LA6

LA500 | SLIDING DOOR LEAF ASSEMBLY 2006 3.5" WIDE SLDG DR 3/8 | 12 R0



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215 LEE ST, PO BOX 157
HOLGATE, OH 43527

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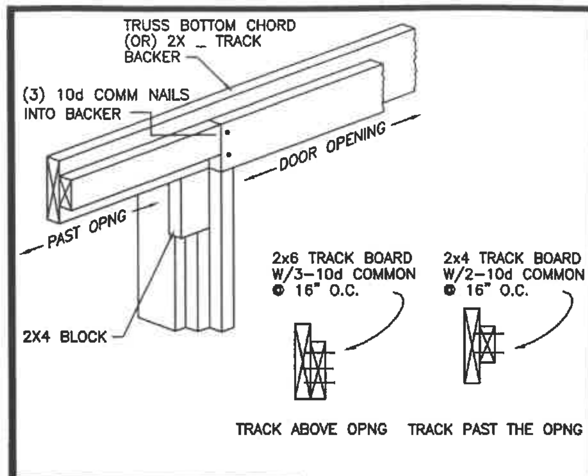
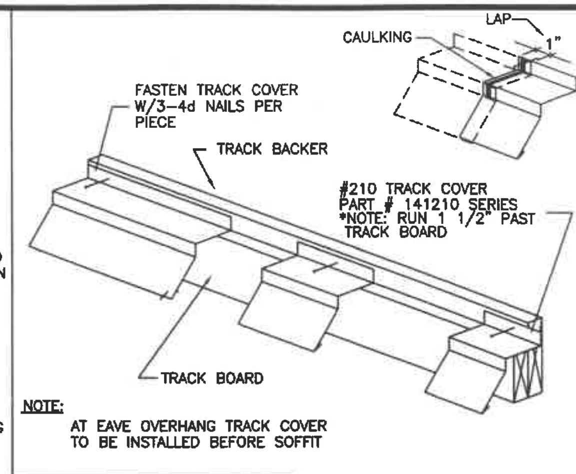
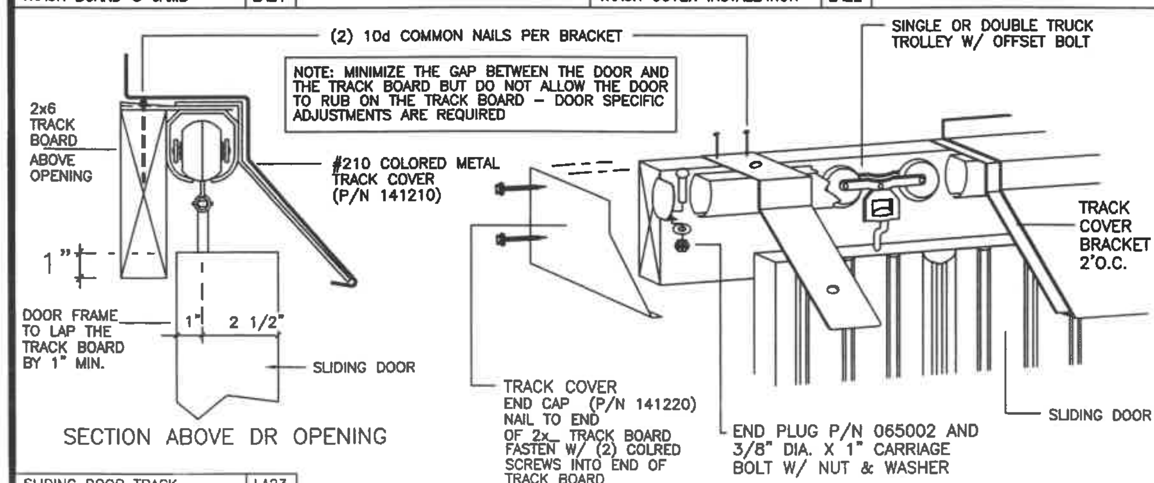


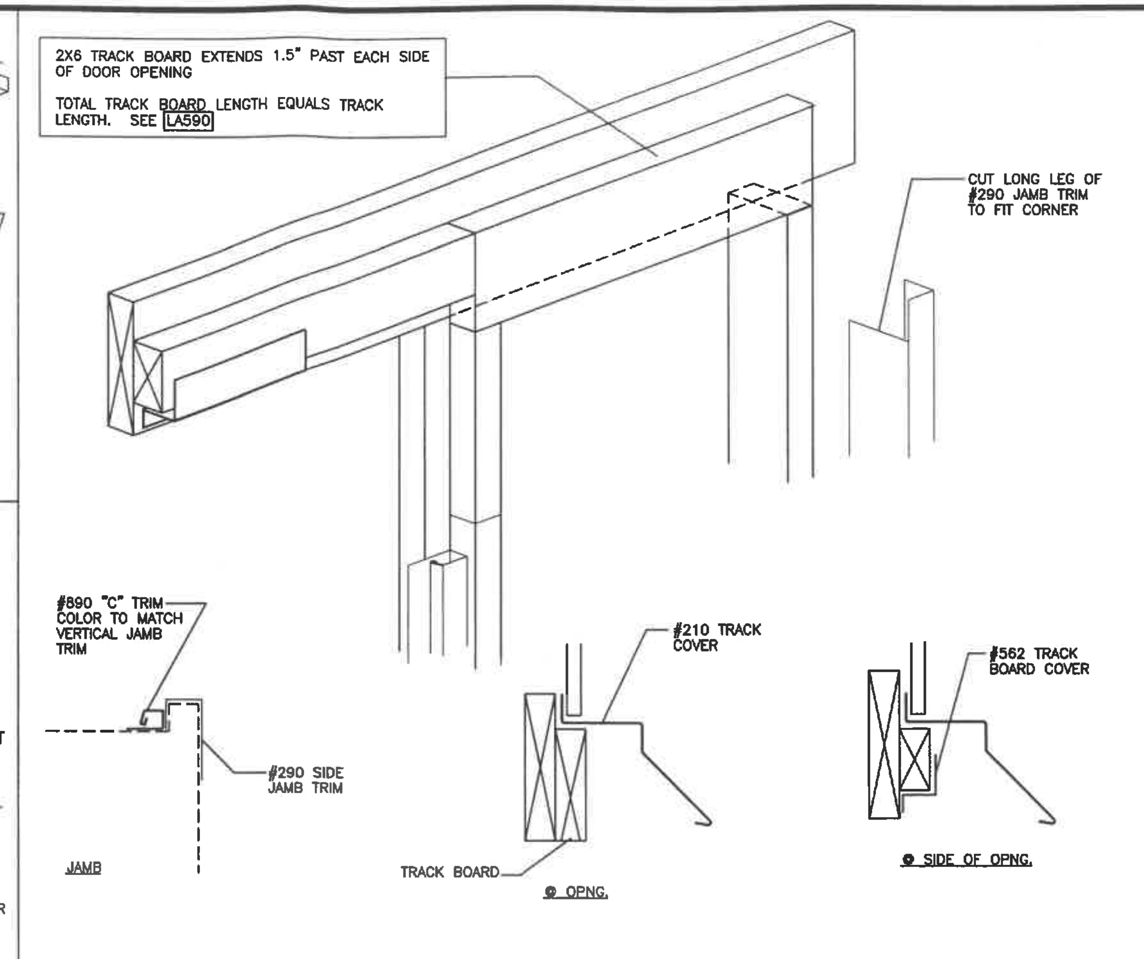
TRACK BOARD @ JAMB | LA21



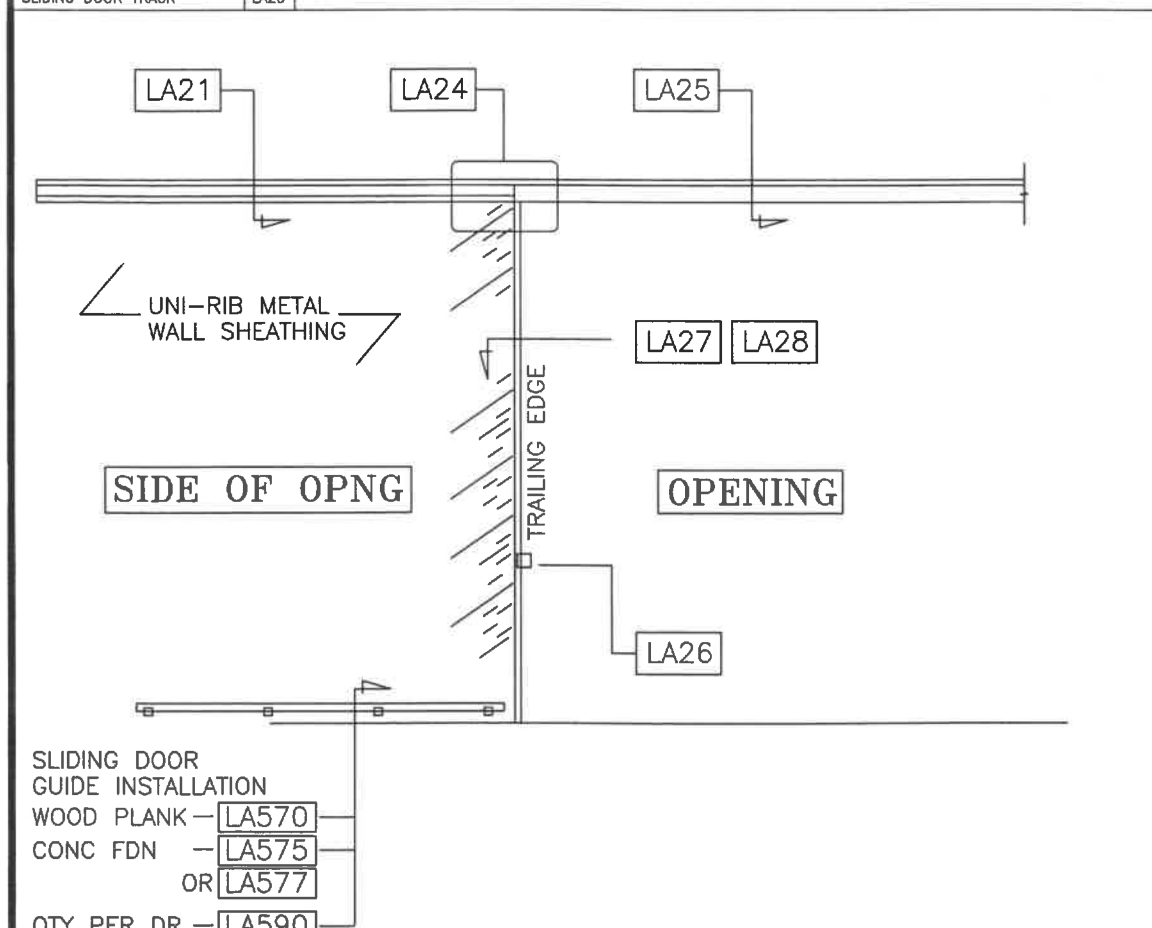
TRACK COVER INSTALLATION | LA22



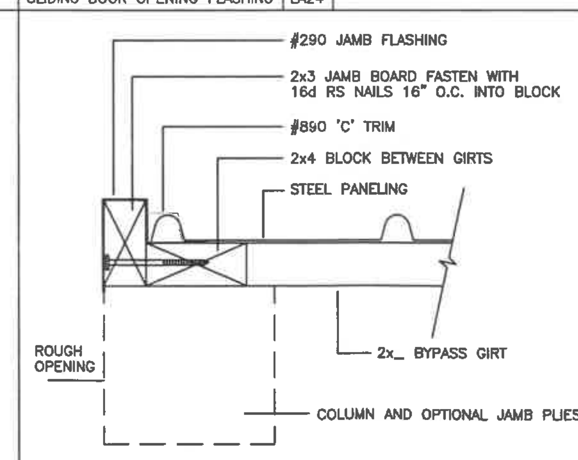
SLIDING DOOR TRACK | LA23



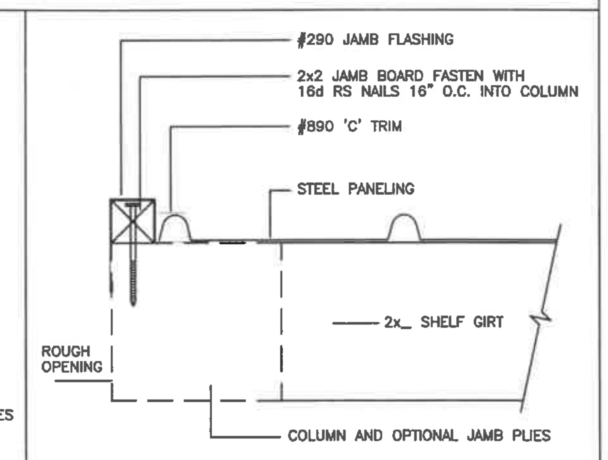
SLIDING DOOR OPENING FLASHING | LA24



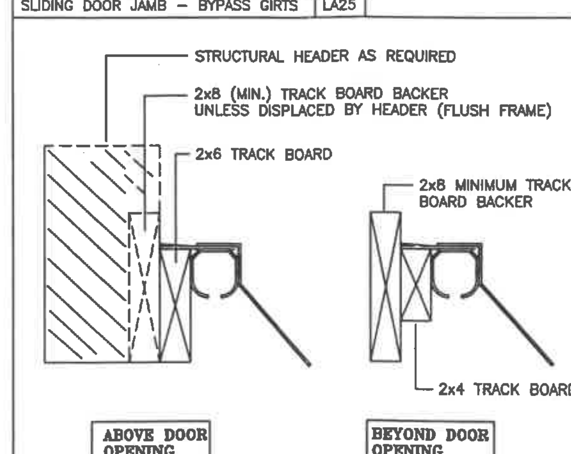
LA520 | SLIDING DOOR OPENING 2006 3.5" WIDE SLDG DR | 3/16 | 6 R1



SLIDING DOOR JAMB – BYPASS GIRTS | LA25

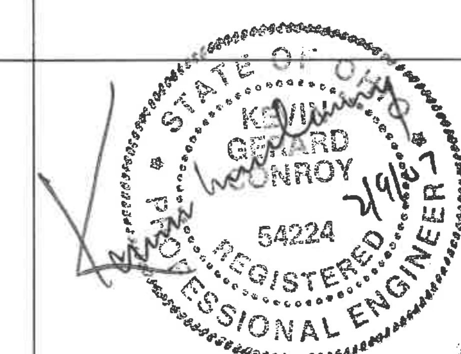


SLIDING DOOR JAMB – SHELF GIRTS | LA26



TRACK FRAMING

SLIDING DOOR JAMB – BYPASS GIRTS | LA27



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

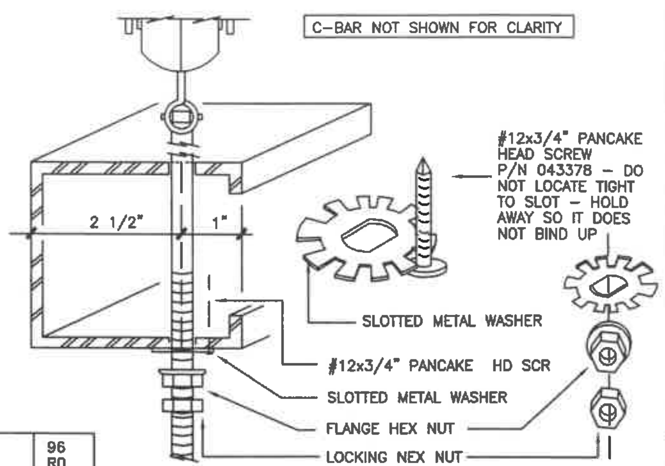
DATE: 2/9/2007
JOB-NUMBER 215119
SHEET 11 OF 13
DRAWN BY: KEN CHAPMAN
CHKD BY:
REV NO:
JOB DESCRIPTION: 21 X 48 X 10 T&C I CODE

CUSTOMER: CITY OF NAPOLEON
255 W. RIVERVIEW
NAPOLEON, OH 43545

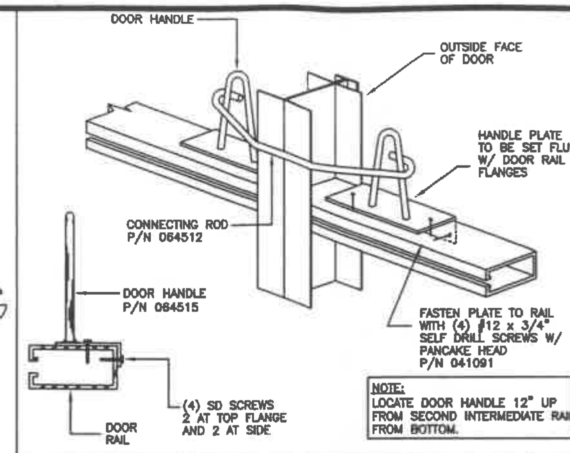
DEALER: HOLGATE LUMBER COMPANY
215 LEE ST, PO BOX 157
HOLGATE, OH 43527

LESTER BUILDINGS
LESTER PRAIRIE, MN 800-238-4412...Ext.5000+
CHARLESTON, IL 866-276-0785.......Ext.3100+
CLEARBROOK, VA 866-807-5810......Ext.6000+

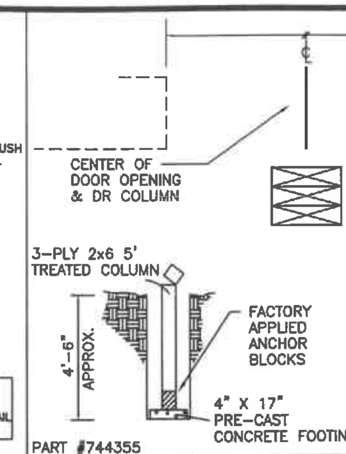
1. INSERT TROLLEY "DROP BOLT" DOWN THROUGH PRE-DRILLED HOLE IN TOP OF LATERAL MEMBER.
   * SEE CHART LA500 FOR HOLE LOCATION
2. ASSEMBLE SLOTTED WASHER, FLANGE NUT, AND LOCK NUT. TURN THESE ONTO THE DROP BOLT.
3. HANG THE DOOR BY SLIDING THE TROLLYS INTO ONE END OF THE DOOR TRACK. MAKE SOME VERTICAL ADJUSTMENTS BY TURNING THE FLANGE NUT UP OR DOWN THE THREADED DROP BOLT. THEN USE TWO OPEN END WRENCHES TO TIGHTEN THE LOCK NUT AGAINST THE FLANGE NUT.
4. NOW ADJUST THE DOOR FRAME IN CLOSER TO THE WALL OR OUT AWAY FROM THE HEADER. FIT A WRENCH ONTO THE FLAT-SIDED EDGES OF THE DROP BOLT. TURN THE BOLT SO THE OFF-SET IN THE BOLT MOVES THE FRAME IN OR OUT FROM THE OPENING.
5. WITH THE DOOR FRAME ADJUSTED BOTH UP AND DOWN PLUS IN AND OUT, SECURE THE SLOTTED WASHER IN PLACE. DRILL A #812x 3/4" PANCAKE HD SCREW BETWEEN THE SLOTS OF THE WASHER INTO THE METAL RAIL ABOVE.



LA530	TROLLEY ADJUST w / BOX RAIL 2006 3.5" SLDG DR ASSEMBLY 3	96 R0



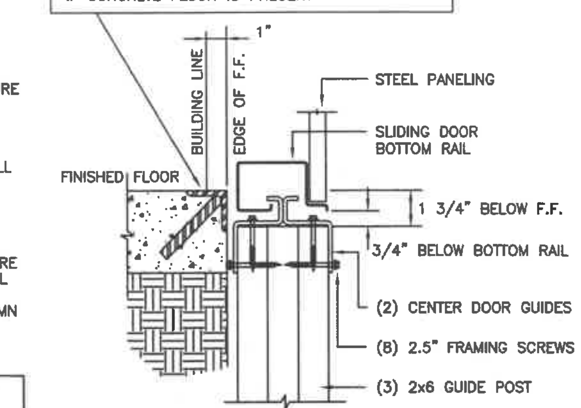
LA535	CENTER DOOR LATCH SPLIT SLDG DOOR 2006 3.5" SLDG DR 1 1/2	48 R0

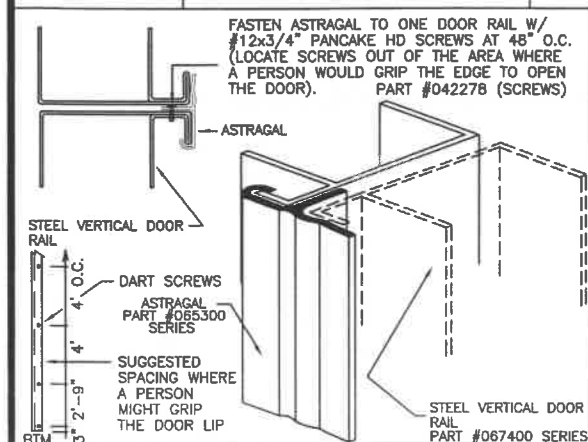


1. DRILL HOLE & REMOVE ALL LOOSE DIRT
2. TAMP BOTTOM OF HOLE
3. MAKE SURE COLUMN IS PLUMB & REFILL HOLE TAMP WHILE FILLING
4. APPLY GUIDE PLATE BEFORE HOLE IS COMPLETELY FULL
5. WITH DOOR PROPERLY ADJUSTED CUT OFF COLUMN 3/4" BELOW THE BOTTOM LATERAL OF THE DOOR

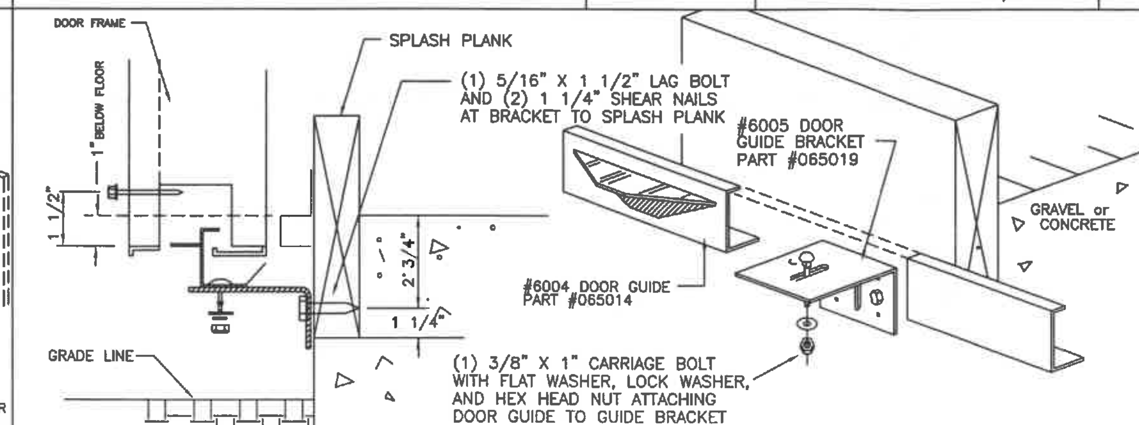
LA550	GUIDE COLUMN LOCATION @CENTER 2006 3.5" SPLIT SLDG. DR. 1/2	16 R0

OPTIONAL 2x2x1/4" ANGLE IRON REINFORCEMENT WITH 1/2"x4" ANCHOR RODS WELDED 12" O.C. IF CONCRETE FLOOR IS PRESENT





LA560	ASTRAGAL FASTEN TO STEEL VERT 2006 3.5" SPLIT SLDG DR 3	96 R0



LA570	SLDG DR GUIDE – SPLASH PLANK 2006 3.5" UNI-FR ONE 3	96 R0

LEAF WIDTH	TRACK SINGLE DOOR	TRACK DOUBLE DOOR	DOOR GUIDE	GUIDE BRKTS
4'	8'	16'	6'	3
5'	10'	20'	6'	3
6'	12'	12' – 12'	6'	3
7'	16'**	12' – 16'	6'	3
7.5'	16'**	12' – 16'	6'	3
8'	16'	10' – 20'	6'	3
9'	20'**	16' – 20'	6'	3
10'	20'	10' – 12' – 16'	6'	3
11'	10' – 12'	10' – 16' – 16'	10'	4
12'	10' – 12'	12' – 16' – 16'	10'	4
12.5'	12' – 12'	10' – 16' – 20'	10'	4
13.5'	10' – 16'	10' – 20' – 20'	10'	4
15'	10' – 20'	10'–16'–16'–16'	10'	4
16'	12' – 20'	10'–12'–20'–20'	10'	4
18'	16' – 20'	16'–16'–16'–20'	14'	5
20'	20' – 20'	10'–16'–16'–16'–16'	14'	5
21'	20' – 20'	10'–16'–16'–16'–20'	14'	5
24'	12'–12'–20'	16'–16'–16'–20'–20'	6'–10'	7

DOUBLE THE QUANTITY OF DOOR GUIDES AND GUIDE BRACKETS FOR DOUBLE DOORS.

DO NOT PROVIDE ANY CAM-BINDERS FOR DBL. DOORS

ONE OFFSET CAM LATCH SHALL BE PROVIDED FOR THE CENTER OF EACH DOUBLE DOOR.

** FIELD CUT TO 2X DOOR WIDTH

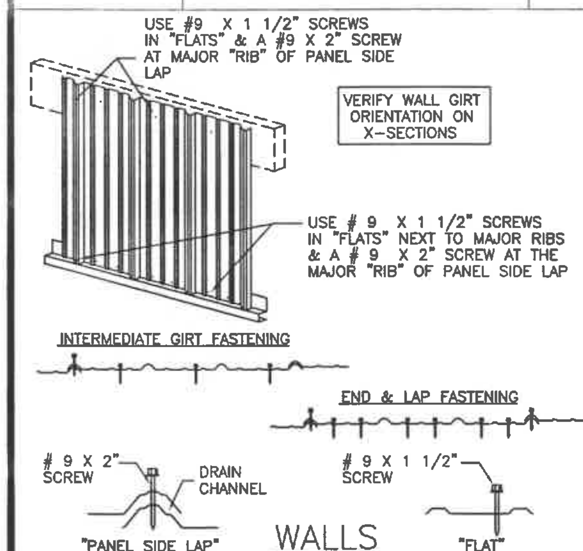
NOTE: TRACK BOARD LENGTH EQUALS TRACK LENGTH.

LEAF WIDTH	DOOR HEIGHT 8'	10'	12'	14'	16'	18'	20'
4' – 9'							
10'							X
11'							X
12'						X	X
12.5'						X	X
13.5'						X	X
15'					X O	X O	X O
16'					X O	X O	X O
18'					X O	X O	X O
20'				X O	X O	X O	X O
21'				X O	X O	X O	X O
24'			X O	X O	X O	X O	X O

O SINGLE DOORS INDICATED BY THIS SYMBOL INCLUDE (2) P-LATCHES AND (2) CAM BINDERS. DOUBLE DOORS SO DESIGNATED INCLUDE (4) P-LATCHES AND (2) 3/8"x3 1/2" x 12' REINFORCING BARS
NOTE: REINFORCEING BARS ARE INSTALLED ONLY AT THE CENTER VERTICALS OF A DOUBLE DOOR

LA590	SLIDING DOOR HARDWARE CHART 2006 3.5" WIDE DR SYSTEM 1/4	8 R1

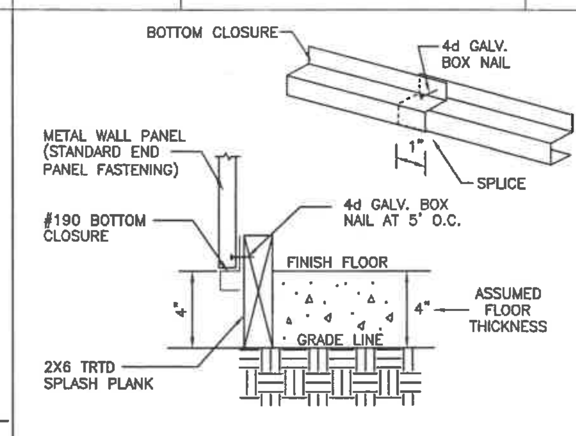
X DOORS INDICATED BY THIS SYMBOL INCLUDE DOUBLE TRUCK TROLLEYS



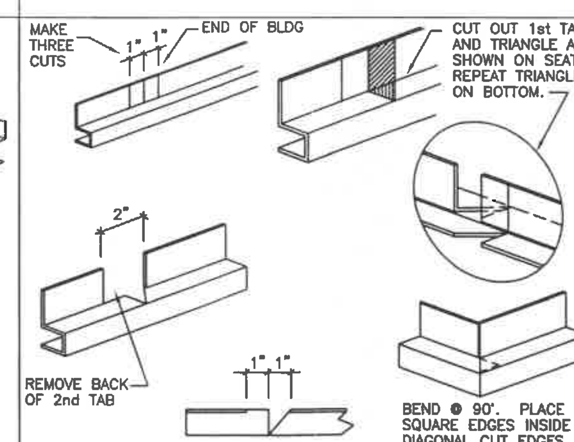
APPLICATION OF UNI-RIB PANELS WITH SCREWS

* USE # 9-16 MILL POINT 1 1/2" HWH EPDM AT "FLATS" OF PANEL. DO NOT OVER TIGHTEN. P/N 041000 W/SUFFIX RANGE
* USE # 9-16 MILL POINT 2" HWH EPDM AT MAJOR "RIB" OF PANEL. DO NOT OVER TIGHTEN. P/N 041020 W/SUFFIX RANGE
* AT INTERMEDIATE GIRT CONNECTIONS, LOCATE SCREWS INSIDE "FLATS", AND AT THE MAJOR "RIB" OF PANEL SIDE LAP
* AT PANEL LAP SPLICES AND AT THE ENDS, LOCATE SCREWS IN "FLATS" NEXT TO MAJOR RIBS, AND ON MAJOR "RIB" OF PANEL SIDE LAP
* PRIOR TO PANEL APPLICATION, AVOID WALKING ON MAJOR "RIBS" IN ORDER TO PREVENT DAMAGE

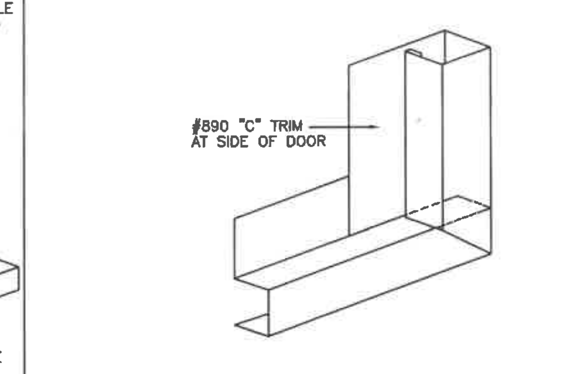
MF044	SCREW FASTENING PATTERN – WALLS UNI-RIB PANELS 3/4"	24 R2



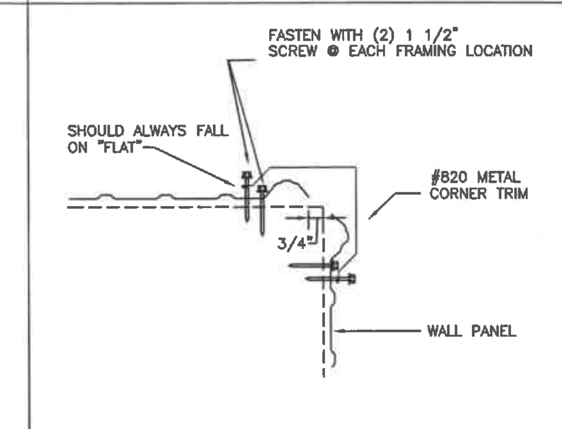
MF111	#190 BOTTOM CLOSURE TO 2X6 TRTD SPLASH PLANK, 4" ABOVE GRADE, 1.5"	48 E1



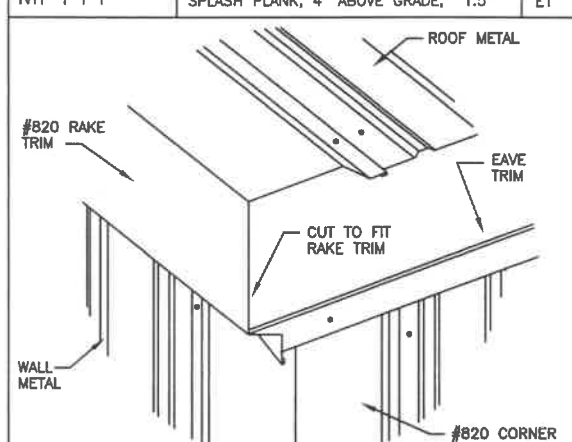
MF142	#190 BOTTOM CLOSURE – PROPOSED CORNER TRIM 1.5"	48 E0



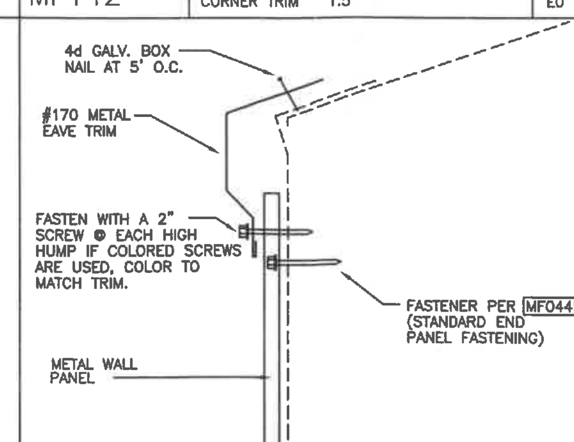
MF143	#890 TRIM – DOORS SIDE JAMB TRIMS 1.5"	48 E1



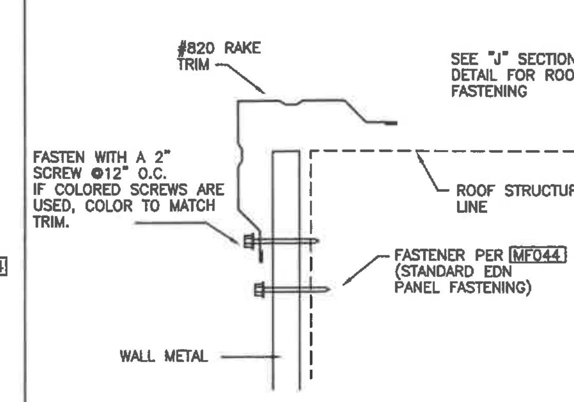
MF511	CORNER TRIM FASTENING SCREW UNI-FRAME AND T&C 2"=1	64 E1



MF530	TRIM CONFIG AT EAVE LINE CORNER WALL METAL & TRIM FASTENING 3/4"=1	24 E2



MF718	#170 EAVE TRIM FASTENING WALL METAL & TRIM FASTENING 3"	96 R1



MF738	#820 RAKE TRIM TO WALL METAL WALL METAL & TRIM FASTENING 3"	96 E2

STATE OF OHIO
KEVIN GERARD CONROY
54224
REGISTERED
PROFESSIONAL ENGINEER
2/9

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DA003	STRUCTURAL DESIGN – ONLY ENGINEER STAMP BOX FULL	R1

DATE: 2/9/2007
SHEET 12 OF 13
JOB-NUMBER 215119
DRWN BY: KEN CHAPMAN
CHKD BY:
REV NO:
JOB DESCRIPTION: .21 X 48 X 10 T&C I CODE
CUSTOMER: .CITY OF NAPOLEON .255 W. RIVERVIEW .NAPOLEON, OH 43545
DEALER: HOLGATE LUMBER COMPANY 215 LEE ST, PO BOX 157 HOLGATE, OH 43527

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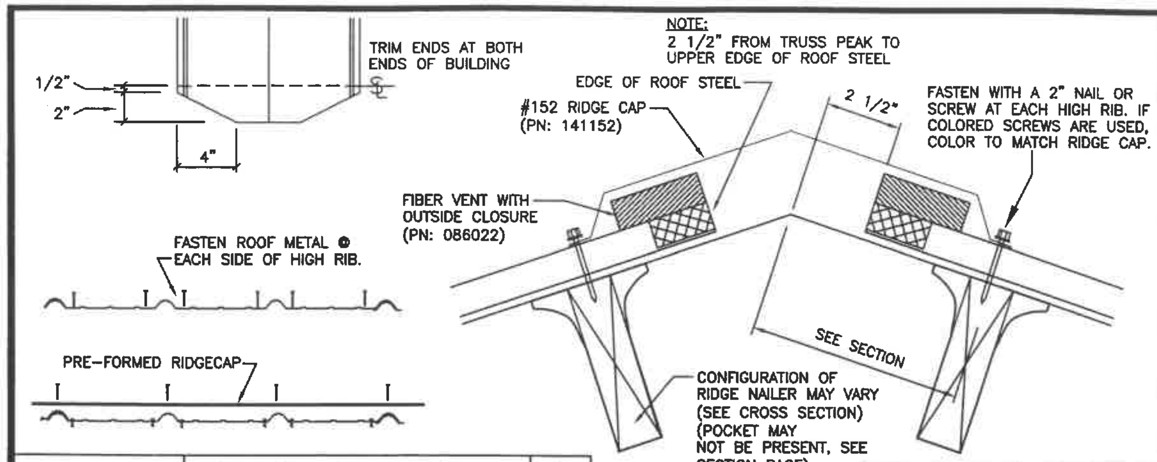
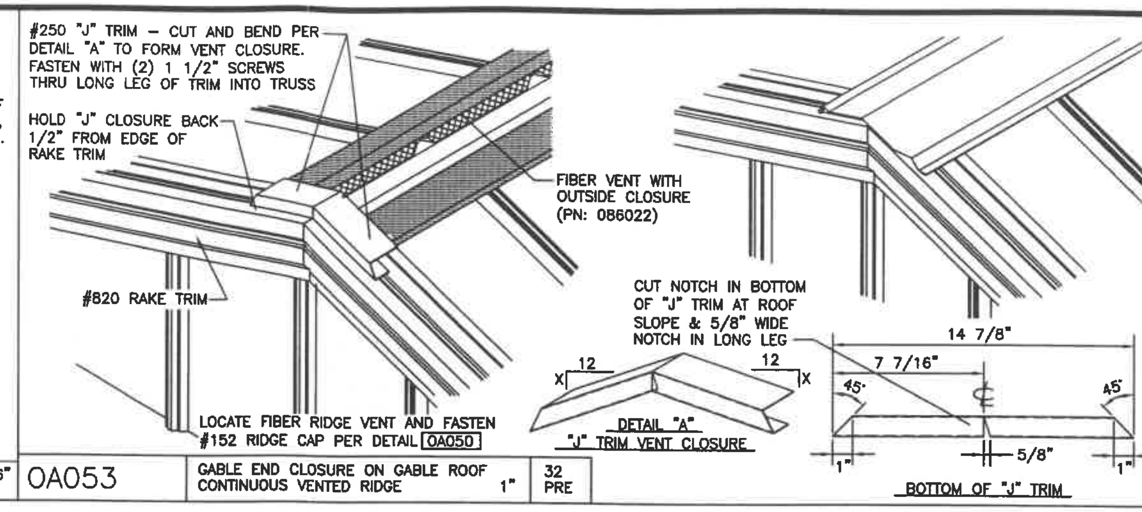


0A050	VENTED RIDGE – GABLE ROOF INSTALL CONTINUOUS VENTED RIDGE 3"	96 R0	USE MANUS CAULK AT ALL SPLICES	LAP RIDGECAP 6" AT ALL SPLICES



0A053	GABLE END CLOSURE ON GABLE ROOF CONTINUOUS VENTED RIDGE 1"	32 PRE

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DA003	STRUCTURAL DESIGN – ONLY ENGINEER STAMP BOX	FULL	R1

DATE: 2/9/2007
JOB-NUMBER 215119
SHEET 13 OF 13
DRWN BY: KEN CHAPMAN
CHKD BY:
REV NO:

JOB DESCRIPTION: .21 X 48 X 10 T&C I CODE

CUSTOMER: .CITY OF NAPOLEON
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.NAPOLEON, OH 43545

DEALER: HOLGATE LUMBER COMPANY
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