



October 25, 2016

Mr. Jim Richmond
State of Florida
Dept. of Community Affairs
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100

RE: Skyline Corporation
Ocala, FL
Model: S6168-M

Dear Mr. Richmond:

Enclosed please find one set of documents for the above-noted model.

PFS Corporation hereby certifies that it has examined the building plans and other documents submitted by the manufacturer for certification and found them to be in compliance with the following codes and standards:

2014 Florida Building Code Building w/2016 Supplement
2014 Florida Building Code Residential w/2016 Supplement
2014 Florida Building Code Mechanical w/2016 Supplement
2014 Florida Building Code Plumbing w/2016 Supplement
2014 Florida Building Code Fuel Gas w/2016 Supplement
2014 Florida Building Code Energy Conservation w/2016 Supplement
2014 Florida Fire Prevention Code w/2016 Supplement
2014 Florida Building Code Accessibility w/2016 Supplement
2011 National Electrical Code
61G20-3 FAC for Product Approval

If you have any questions concerning this submission, please feel free to contact this office at any time.

Approved By:

A handwritten signature in black ink that reads "Mark Severson".

Mark Severson
Plan Reviewer – SMP0000020

Enclosures: As Stated

cc: Edward Weber
File



Date Received at PFS: _____
 IBC Transmittal No. (by PFS): _____
 Project No. (by PFS): _____

ADDITIONAL OR MODIFIED ACCEPTANCE (MODULARS/PANELIZED)

This form is to be used only when the manufacturer is seeking acceptance of an additional model, modified model or model name change which uses a previously accepted building system.

Current PFS Building System Acceptance #: 1391
 Model Name/ No. S6168-M
 Manufacturer's Name: Skyline Corporation - Ocala, FL #1 "Homette Div."
 Plant(s) at which model will be produced _____

Check One: NEW MODEL Revised Model*

TECHNICAL DATA			
	Conforms		
	Yes	No	N/A
Floor Plan Showing:			
Braced Wall Method or Shearwalls	✓		
Building Size (LxW Dimensions)	✓		
Room Sizes, Light & Ventilation Schedule	✓		
Exit Requirements	✓		
Electrical Outlet Spacing & Smoke Detector	✓		
Location of Labels & Data Plates	✓		
Use Group, Type Const., Total Sq.Ft. Area	✓		
Plumbing System Design or Reference No. (<u>Sheets 7 - 8</u>)	✓		
Heat Loss Calculations or Reference No. (_____)			✓
HVAC/Furnace Size/Model No. (<u>Field supplied heat pump</u>)			✓
Thermal Performance Calculations or Reference No. (<u>Sheets 11A - 11E</u>)	✓		
Electrical Load Calculations or Reference No. (<u>Sheet 4D</u>)	✓		
Service Size and Location (<u>200 Amp / Utility</u>)	✓		
Applicable Building Codes <u>See Sheet 1</u>	✓		
Submit model to the following states: <u>Florida</u>			
*Description of Modification: _____			
Requested by: <u>Edward Weber</u> Date: <u>10-24-16</u>			
(designer)			

For PFS Use

Staff Plan Reviewer *Mark Anderson* IBC Certification #: _____ Date: 10/25/16

Structural Calculation(s) Reviewed By: _____ P.E. #: _____ Date: _____

Remarks: _____

*** (1) copy sent to IBC within 15 days of approval.*

VERBAL APPROVAL GIVEN By Whom: _____ To Whom: _____ Date: _____

MODEL WAS DEVIATED Revision Number: _____

THIS FORM SHALL BE FILLED OUT COMPLETELY WITH EACH MODEL ACCEPTANCE OR MODIFICATION PRIOR TO SUBMITTAL TO PFS.

Window Schedule						
Code	Width	Height	Rough Opening	Mfgr.	Type	Remarks
A	14"	40"	14-1/4" x 40-1/4"	Kinro	Vinyl - Single Hung	
B	30"	27"	30-1/4" x 27-1/4"	Kinro	Vinyl - Single Hung	
C	30"	40"	30-1/4" x 40-1/4"	Kinro	Vinyl - Single Hung	
E	14"	60"	14-1/4" x 60-1/4"	Kinro	Vinyl - Single Hung	
G	30"	60"	30-1/4" x 60-1/4"	Kinro	Vinyl - Single Hung	
I	36"	60"	36-1/4" x 60-1/4"	Kinro	Vinyl - Single Hung	Egress
J	46-1/4"	40"	46-1/2" x 40-1/4"	Kinro	Vinyl - Single Hung	
N	20-1/2"	20-1/2"	20-3/4" x 20-3/4"	Kinro	Octagon - Vinyl, Fixed, Acrylic	
P	14"	72"	14-1/4" x 72-1/4"	Kinro	Vinyl - Fixed	
Q	30"	36"	30-1/4" x 36-1/4"	Kinro	Vinyl - Sng. Hung	
R	46"	15"	46-1/4" x 15-1/4"	Kinro	Vinyl - Fixed	
S	72"	15"	72-1/4" x 15-1/4"	Kinro	Vinyl - Fixed	
T	24"	27"	24-1/4" x 27-1/4"	Kinro	Vinyl - Single Hung	
U	46-1/4"	36"	46-1/2" x 36-1/4"	Kinro	Vinyl - Single Hung	
V	31-3/4"	7-3/4"	32" x 8"	Kinro	Vinyl - Fixed	
W	30"	12"	30-1/4" x 12-1/4"	Kinro	Vinyl - Fixed, Acrylic	
X	46-1/4"	60"	46-1/4" x 60-1/4"	Kinro	Vinyl - Single Hung	Egress
Y	36"	12"	36-1/4" x 12-1/4"	Kinro	Vinyl - Fixed	
Z	46"	12"	46-1/4" x 12-1/4"	Kinro	Vinyl - Fixed	
#	varies	varies	varies - see below	Wasco	E-class, flat glass	Skylight
\$	varies	varies	varies - see below	Fox	FD series - Acrylic	Skylight
@	10"	10"	10" round	Solatube	10" diameter round - Acrylic	Skylight

Single hung windows are Kinro 9750 series. All windows, glass doors and skylights to be labeled as conforming to ANSI/AAMA 101/I.S.2 or TAS 202. All windows and doors shall have a min. Design Pressure (DP) rating of 45. Install per their manufacturer instructions.

Basements and every sleeping room shall have at least one openable emergency rescue or exterior door opening of 5.7 sq. ft. (20" min. width, 24" min. height) and shall have a sill height of not more than 44" above the floor.

Doors and windows may be moved if egress and light and ventilation requirements are met. Additional doors and windows may be added to the floorplan, provided their area does not exceed that shown in the energy calculations.

Where the opening of an operable window is located more than 72" above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24" above the finished floor. An acceptable alternate is documentation from the builder indicating that the home will be installed in a manner that assures the window openings are less than 72" above finished grade or surface below.

Skylight (# & \$) sizes vary from 16" x 32" to 24" x 48". Rough opening sizes will vary from 14-1/2" x 30-1/2" to 46-1/2" to 22-1/2" x 46-1/2".

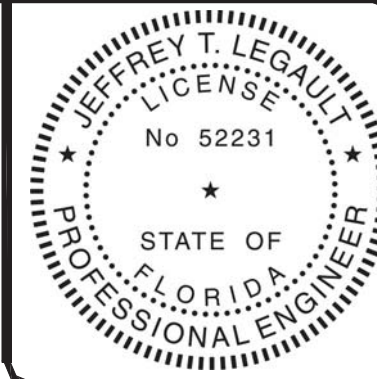
Door Schedule					
Code	Width	Height	Mfgr.	Type	Remarks
1	34"	80"	Therma-Tru	Insulated Core	
2	38"	80"	Therma-Tru	Insulated Core	Fire Rated
5	72"	80"	Kinro	Vinyl Insulated Slider	
6	38"	82"	Therma-Tru	Insulated Core	
7	75"	82"	Therma-Tru	Atrium / French Door	

Light & Vent Schedule						
Code	Single Hung Windows		Double Hung Windows		Doors	
	Light (ft^2)	Vent (ft^2)	Light (ft^2)	Vent (ft^2)	Light (ft^2)	Vent (ft^2)
A	2.48	1.30	--	--	--	--
B	3.90	1.90	--	--	--	--
C	6.28	3.14	--	--	--	--
E	3.92	2.08	--	--	--	--
G	9.95	5.03	--	--	--	--
I	12.20	6.14	--	--	--	--
J	10.08	4.97	--	--	--	--
Q	5.55	2.76	--	--	--	--
T	3.01	1.48	--	--	--	--
U	8.91	4.37	--	--	--	--
X	15.97	7.98	--	--	--	--
5	--	--	--	--	31.19	15.65
7	--	--	--	--	18.0	16

Fastening Schedule		
Building Element	Fastener Size & type	Number or spacing
Ceiling/Roof:		
Simpson H2.5T Tie	8dx1-1/2" nails	5 per end, every truss
Edge Rail to trusses	16Ga.x7/16"x2-1/2" staples	3 per truss
Underlayment	16Ga.x7/16"x1" staples	36" o.c. at ea. lap
Shingles	12Ga. galv. roofing nails, 3/8" dia.	Per manufacturer's installation
1/2" or 5/8" Ceiling Gypsum	Foamseal F2100 or Alphaseal 5200	Continuous along each truss
1/2" or 5/8" Ceiling Gypsum	#8x1-1/2" type W or S screws	12" o.c. direct
7/16" or 1/2" roof sheathing	8d ring shank nails (0.113" min. shank dia., 2" min. length)	4" o.c. edges / 6" o.c. inter.
Trusses to wall plate	16d nails or #8x3-1/2" screws	2 (toe-nailed/screwed)
Ridgebeam to wall plate	16d nails or #8x3-1/2" screws	16" o.c. (toe-nailed/screwed)

Interior or Exterior Walls:		
Building Element	Fastener Size & type	Number or spacing
Sole plate to floor & top plate to roof	16d nails	10" o.c. (direct @ floor, toe-nail @ roof)
Sole plate to floor & top plate to roof, braced walls	3 -16d nails	16" o.c. (direct @ floor, toe-nail @ roof)
Sole plate or top plate to studs	12d nails or 15Ga.x7/16"x2-1/2" staples	3 nails per stud or 5 staples per stud
Double top plate and double studs	10d nails or 15Ga.x7/16"x2-1/2" staples	2 nails or staples 24" o.c.
Multiple header members w/ 1/2" spacers	16d nails or 15Ga.x/16"x2-1/2" staples	16" o.c. each edge
Corner studs	10d nails or 15Ga.x7/16"x2-1/2" staples	24" o.c. direct
Stud to header or sill	16d nails or 15Ga.x7/16"x2-1/2" staples	4 nails or 5 staples (direct) (5 nails or 7 staples @ sill)
1/2" gypsum wallboard to framing	1-5/8" gypsum nails or 1-1/4" long type W drywall screws	nails 8" o.c.
1/2" gypsum wallboard to framing (optional)	0.045"x0.030"x1/4"x1-1/4" staples	6" o.c. at edges 12" intermediate
7/16" plywood panel to framing	8d box (0.113" x 2-1/2") nails	See Sheet 12A
Wall Insulation to framing	19Ga.x1/8"x1/2" staples or adhesive	2 within 6" of top edge
Vinyl siding to sheathing	Per Florida Product Approval report & installation instructions and manufacturer's installation instructions; whichever is more stringent.	
Soffits		
Roof truss to endwall plate	16d nails or #8x3-1/2" screws	16" o.c. (toe-nailed/screwed)

Floor:		
Building Element	Fastener Size & type	Number or spacing
2x2 ledger to Center Girder	15Ga.x7/16"x2-1/2" staples & glue	4" o.c.
Band joist to floor joist	8d nails or 15Ga.x7/16"x2-1/2" staples	4 nails (direct or toe-nail) 5 staples (direct)
Multiple joists	8d nails or 15Ga.x7/16"x2-1/2" staples	32" o.c. top & bottom, staggered. 2 nails at ends & splice
19/32" floor sheathing	15Ga.x7/16"x1-3/4" staples & glue	3" o.c. edges / 6" o.c. inter.



Jeffrey T. Legault, PE
2016.10.21
15:09:38
-04'00'

Jeffrey T. Legault



DATE	
BY	
SYMB	DESCRIPTION
ELW	10/20/15
DATE	SCALE:
CHECKED BY:	

Corporate Address:
2520 By-Pass Road
Elkhart, IN 46514

SKYLINE

DOOR/WINDOW/FASTENING SCHEDULES

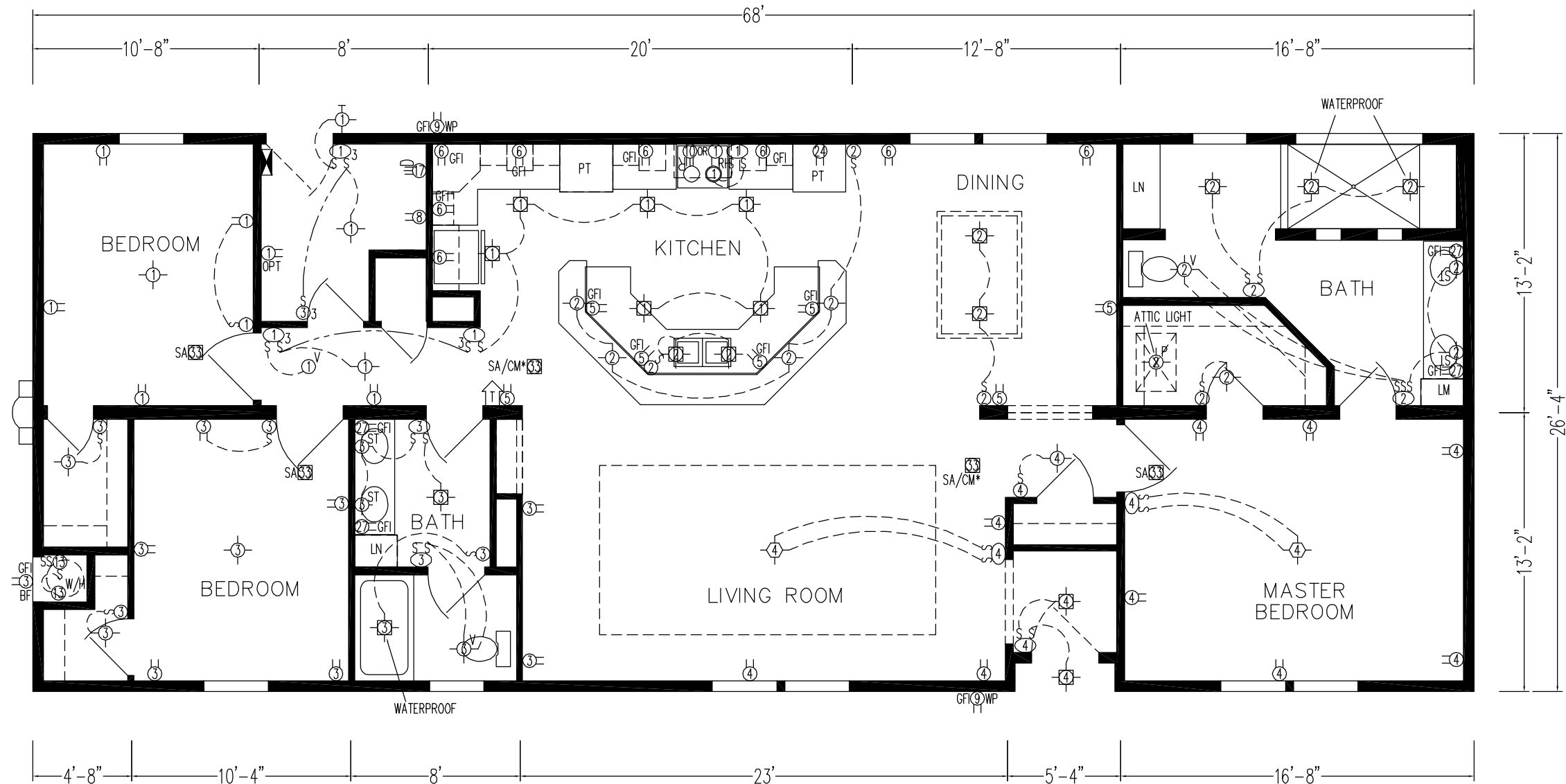
SHEET NO. **3C**

Notes:

- 1) Smoke alarms (conforming to UL 217) ceiling mounted and installed on a dedicated unswitched 15-amp circuit and are interconnected.
- 2) All electrical wiring to be in compliance with the National Electrical Code (Model year per state codes & regulations).
- 3) Exterior light boxes are wired and light shipped loose for field installation. Exterior lights shall be listed for use in wet locations.
- 4) Non-metallic sheathed cable shall be secured at intervals not exceeding 4'-6" and within 12" from all cabinets or boxes.
- 5) Non-metallic sheathed cable passing through framing members within 1-1/4" of the edge of such framing member shall be protected with 1/16" (min.) thick steel bushing. Cables passing through notches are protected with 1/16" (min.) thick steel plates.
- 6) All factory-installed wiring is to be copper.
- 7) Electrical service to be grounded in field by others after circuits have been completed according to local authority having jurisdiction.
- 8) Circuits supplying outlets in all dwelling rooms (except for kitchens, bathrooms, garages and unfinished basements) shall have Arc-Fault Interrupter (AFCI) protection.
- 9) See sheet 4C for electrical legend
- 10) See sheet 4B for typical panel board and electrical load calculation.
- 11) For units intended for installation of a site built attached garage, install 2 additional boxes on the garage side of the exterior wall. One box to be serviced by a 15-amp general lighting circuit. The other to be serviced by a 20 amp dedicated circuit. The 20-amp circuit shall be GFCI protected. The 15-amp circuit is for garage lighting, and the 20-amp circuit is for garage receptacles.
- 12) Electrical circuits which crossover unit mating lines must be spliced in a junction box. All circuits that crossover shall be clearly identified.
- 13) Bath, exterior and kitchen countertop receptacles shall have GFCI protection.
- 14) Kitchen countertop receptacles shall be supplied by not less than two 20-amp circuits. They shall be located not more than 20" above the countertop. Island and peninsular receptacles are permitted to be mounted not more than 12" below the countertop and where the countertop extends not more than 6" beyond its base.

- 15) All electrical equipment and conductors shall be listed or labeled by a nationally recognized testing laboratory and in combination with listing and labeling shall be suitable for location and use.
- 16) Boxes used to support ceiling fans shall be listed for such use.
- 17) Carbon Monoxide Alarms (conforming to UL 2034) are installed on an unswitched 15-amp circuit, (or be battery operated) and located outside of each separate sleeping area.
- 18) Hallways of 10 feet or more in length shall have at least one receptacle outlet.
- 19) Balconies, porches and decks require a receptacle outlet when the area is 20 square feet or greater.
- 20) A switched receptacle outlet cannot be counted towards the minimum spacing of outlets. The outlet may be counted if only one outlet of the duplex receptacle is switched.
- 21) Exterior receptacles must be listed as weather resistant in addition to being listed for wet locations. (Weather resistant includes UV protection.)
- 22) Listed tamper-resistant receptacles are required for all 120 volt, 15 & 20 amp receptacles in dwelling units.
- 23) A minimum of one communications outlet shall be installed and cabled to the provider service point.
- 24) The service disconnecting means shall be installed at a readily accessible location either outside of the home or inside nearest the point of entrance of the service conductors.
- 25) A receptacle for a cord-and-plug connected range hood shall be supplied by an individual branch circuit.

FLORIDA
S28-18126



*-CARBON MONOXIDE DETECTOR REQUIRED ONLY WHEN FUEL BURNING APPLIANCE IS INSTALLED

DATE	BY	DESCRIPTION
10/21/2016	JIM	DRAWN BY: JIM
3/16"=1'		SCALE: 3/16"=1'
	ELW	CHECKED BY: ELW

SKYLINE
ELECTRICAL PLAN - S6168-M

SHEET NO. **4**



	DUPLEX RECEPTACLE		CEILING TRACK LIGHT
	ELECTRIC RANGE RECEPTACLE		FLUORESCENT STRIP LIGHT
	DRYER RECEPTACLE		RECESSED CEILING FLUORESCENT LIGHT
	RECEPTACLE, G.F.I. PROTECTED		PHONE JACK
	WATER PROOF RECEPTACLE G.F.I. PROTECTED		SPEAKER
	BELOW FLOOR RECEPTACLE		WALL MOUNTED STRIP LIGHT
	SINGLE SWITCH		CEILING MOUNTED JUNCTION BOX
	DOUBLE SWITCH		CROSS-OVER JUNCTION BOX
	TRIPLE SWITCH		WALL JUNCTION BOX
	CEILING MOUNTED LIGHT		SERVICE ENTRANCE PANEL
	PULL CHAIN CEILING LIGHT		THERMOSTAT
	SWITCHED WALL LIGHT		FURNACE
	WALL MOUNTED LIGHT		WALL MOUNTED VENT FAN
	CEILING VENT FAN		SMOKE ALARM
	CEILING LIGHTED VENT FAN		POWER RANGE HOOD
	SWITCH/RECEPTACLE COMBO		3-WAY SWITCH
	DIMMER SWITCH		WATER HEATER
	FURNACE SAFETY SWITCH		TELEVISION JACK
	CM/SA CARBON MONOXIDE/SMOKE ALARM		RECESSED LIGHT
			WHOLE HOUSE VENTILATION

ELECTRICAL LEGEND

CIRC. #	DESCRIPTION	AMPS	WIRE SIZE
1	GENERAL LIGHTING	15	14/2 w/grd *
2	GENERAL LIGHTING	15	14/2 w/grd *
3	GENERAL LIGHTING	15	14/2 w/grd *
4	GENERAL LIGHTING	15	14/2 w/grd *
5	PORTABLE APPLIANCE	20	12/2 w/grd
6	PORTABLE APPLIANCE	20	12/2 w/grd
7	PORTABLE APPLIANCE	20	12/2 w/grd
8	LAUNDRY	20	12/2 w/grd
9	GENERAL LIGHTING	15	14/2 w/grd
10	ELECTRIC RANGE (SEE NOTE #4)		
11	COOK TOP 7 KW MAX.	30	10/3 w/grd
12	ELECTRIC OVEN 3.7 KW MAX.	20	12/3 w/grd
13	ELECTRIC W/H (SEE NOTE #3)		
14	FURNACE FAN (GAS & OIL)	15	14/2 w/grd
15	ELECTRIC FURNACE/BASEBOARD HTR (SEE NOTE #4)		
16	AIR CONDITIONER (SEE NOTE #4)		
17	CLOTHES DRYER	30	10/3 w/grd
18	DISH WASHER	15	14/2 w/grd
19	HEAT LAMP 1600 WATT MAX.	15	14/2 w/grd
20	HEAT LAMP 800 WATT MAX.	15	14/2 w/grd
21	EVAPORATIVE COOLER	15	14/2 w/grd
22	EVAPORATIVE COOLER	15	14/2 w/grd
23	TRASH COMPACTOR	15	14/2 w/grd
24	MICROWAVE OVEN/GAS/MICROWAVE	15/20	14/12/2 w/grd
25	FOOD FREEZER	15	14/2 w/grd
26	RECIRCULATING WATER TUB	20	12/2 w/grd
27	BATH GFI RECEPES	20	12/2 w/grd
28	ELECTRIC FURNACE/AIR HANDLER	60/25	4/10/2 w/grd
29	GENERAL LIGHTING	15	14/2 w/grd
30	GENERAL LIGHTING	15	14/2 w/grd
31	PORTABLE APPLIANCE	20	12/2 w/grd
32	---	---	---
33	SMOKE/CARBON MONOXIDE ALARM	15	14/3 w/grd

* - 14/3 w/GRD. @ THREE-WAY SWITCH APPLICATIONS

ELECTRICAL CIRCUITS

- NOTES:
- WHERE LIGHTS (OPTIONAL) ARE INSTALLED IN THE HOME, THE ROOM SWITCH WILL BE CONNECTED TO THE CEILING LIGHT IN PLACE OF THE RECEPTACLE. SEE ELECTRICAL LAYOUT FOR THIS OPTION.
 - JUNCTION BOX ON EXTERIOR WALL MOUNTING HEIGHT IS 12". LABEL WIRES TO INCLUDE CIRCUIT NUMBERS. WIRE NUT LOOSE ENDS.
 - CIRCUIT #13 ELECTRICAL W/H REQUIREMENTS:

20 GALLON	120V	1920 WATTS MAX	20 AMP	12/2 w/grd.
30/40 GALLON	240V	4500 WATTS MAX	25 AMP	10/2 w/grd.
30/40/50 GALLON (single element)	240V	3500 WATTS MAX	20 AMP	12/2 w/grd.

 (SEE SPECS FOR SIZE AND TYPE OF W/H)
 - REFER TO EQUIPMENT INSTALLATION REQUIREMENTS FOR WIRE SIZING & AMPERAGE RATINGS.
 - OUTDOOR RECEPTACLE SHALL BE PROTECTED BY WEATHERPROOF ENCLOSURES AND SHALL BE WITH GFCI PROTECTION. THIS TYPE OF RECEPTACLE IS SHOWN ON EACH FLOOR PLAN WITH "WP" SYMBOL. RECEPTACLES WITH "BF" SMYBOL ARE INSTALLED UNDER FLOOR WITH WEATHERPROOF ENCLOSURES.
 - DEDICATED CIRCUIT NOT PROVIDED FOR WINDOW A/C UNITS.

MAX. NO. COND.=VOL. OF BOX -(NO. OF DEVICES x A) - (BOX CLAMP x A) - BxA - CA
A

CALC TO DETERMINE MAX. NO. OF CONDUCTORS
 A=2.0 IF 14ga WIRES A=2.25 IF 12ga WIRES
 B=1 FOR ALL GROUND WIRES, C=1 FOR YOKE

DESCRIPTION	SIZE	IN ³	# OF DEVICES	CABLE CLAMP	MAX. # OF COND. IN OR OUT OF BOX - NOT INCLUDING GROUND WIRE	
					14ga	12ga
ROUND	1 3/4x3 1/2 dia.	11.5	0	1	2	2
SINGLE	1 3/4x2 9/32x3 1/2	12.0	1	1	2	1
ROUND	2 1/8x3 1/2 dia.	14.0	0	1	4	3
SINGLE	2 3/4x2 3/8x3 5/16	16.0	1	0	5	4
DOUBLE 1 dev.	1 3/4x4 1/16x3 1/4	16.0	1	1	4	3
DOUBLE 2 dev.	1 3/4x4 1/16x3 1/4	16.0	2	1	3	2
SINGLE	3 5/16x2 3/8x3 5/16	18.0	1	0	6	5
SINGLE	2 11/16x2 1/4x3 3/4	18.0	1	0	6	5
METAL HB		18.9	0	1	6	5
ROUND	2 7/8x3 1/2 dia.	20.5	0	1	7	6
METAL HB		24.0	1	1	8	6
DOUBLE	2 1/4x4 1/2x3 5/16	25.0	2	1	7	6
DOUBLE	2 11/16x4x3 1/2	32.0	2	1	11	9
TRIPLE	2 1/2x5 15/16x3 5/16	37.0	3	1	12	10
METAL JB	4x4x4	60.0	0	1	27	23
METAL JB	6x6x6	207.0	0	1	100	89

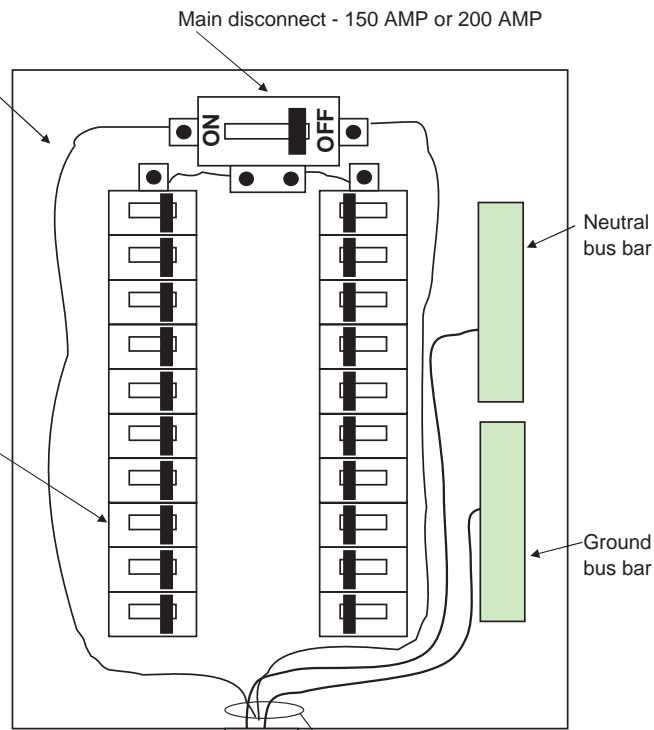
BOX SIZING

NO.	DATE	BY	DESCRIPTION
1	11/29/12	JM	ADD 14/3 WIRE NOTE @ CIRCUITS 1 THRU 4
2	4/17/14	JM	CHANGE WIRE SIZE AT ELECTRIC FURNACE / AIR HANDLER

DRAWN BY: JM
 DATE: 04/27/2012
 SCALE: NTS
 CHECKED BY:

SKYLINE
 ELECTRICAL SYSTEM - SPECIFICATIONS
 Corporate Address:
 2520 By-Pass Road
 Elkhart, IN 46514

U.L. listed distribution panelboard. Pictorial only, actual configuration may vary.



Feeder raceway. Rigid nonmetallic Conduit.
1-1/2" min. at 150 AMP.
2" min. at 200 AMP.

Field install 4 wire service entrance conductors to distribution panelboard. Use 75 degree C rated conductors (type RH, RHH, RHW, w/o covering THW or XHHW).
At 150 AMP service - 2-1/0 (AWG), 1-#1 (AWG) w/#6 ground.
At 200 AMP service - 2-3/0 (AWG), 1-1/0 (AWG) w/#4 ground.

To Service Entrance - Site Installed.

TYPICAL PANELBOARD INSTALLATION

Notes:

1. A metal underground water pipe that is in direct contact with the earth for 10 feet or more shall be considered as a grounding electrode. An electrode encased by at least 2 inches of concrete, located horizontally near the bottom or vertically and within a footing that is in direct contact with the earth, consisting of at least 20 feet of one or more electrically conductive coated steel reinforcing bars of not less than 1/2 inch diameter shall be considered as a grounding electrode.
2. An intersystem bonding termination for connecting intersystem bonding and grounding conductors required for other systems shall be provided external to enclosures at the service equipment and at the disconnecting means for any additional buildings or structures. It shall be accessible for connection and inspection and have the capacity for connection of not less than three intersystem bonding conductors.

Model: 30'-4" x 76' box (max.)

DESCRIPTION	LOAD	WATTS
Lighting at 3w/square foot	3 x 2305	6915
Small Appliance	4 x 1500	6000
Laundry Circuit	1 x 1500	1500
Bath & Kitchen Fan - 1.3A+1.9A	3.2 x 120	384
Heat Lamps (800 w each)	2 x 800	1600
Dishwasher - 9A	9 x 120	1080
Disposal - 5A	5 x 120	600
Water Heater	1 x 4500	4500
Clothes Dryer - 24A	24 x 240	5760
Recirculating Tub - 12.25A	12.25 x 120	1470
Cooktop	1 x 6700	6700
Wall Oven	1 x 7000	7000
Furnace (Gas or Oil)	12 x 120	1440
Microwave - 11A	11 x 120	1320
Freezer - 12A	12 x 120	1440

Ungrounded Conductors

May substitute 15.5KW range for Cooktop & wall oven.

Total Watts: 47709

First 10KW at 100%, remainder at 40%: 25083.6 watts
Air conditioning and cooling: 43.75A at 100%: 10500.0 watts
Electric Furnace at 65% x _____ watts: _____ watts

TOTAL WATTS: 35583.6 watts

TOTAL WATTS / 240V: 148.3 amps

150 AMP SERVICE OK.

Minimum Feeder Size : **1/0 CU** at 75 degree C

Ungrounded Conductors

May substitute 15.5KW range for Cooktop & wall oven.

Total Watts: 47709

First 10KW at 100%, remainder at 40%: 25083.6 watts
Air conditioning and cooling: 43.75A at 100%: 10500.0 watts
Controls → Electric Furnace at 65% x 25000 watts: 16250.0 watts

TOTAL WATTS: 41333.6 watts

TOTAL WATTS / 240V: 172.2 amps

200 AMP SERVICE OK.

Minimum Feeder Size : **3/0 CU** at 75 degree C

Feeder Neutral Load

Lighting, small appliance and laundry circuits: 14415 watts
first 3000 at 100%, remainder at 35%: 6995.3 watts

Appliance:

Bath & Kitchen Fans: 384.00 watts
Heat Lamps: 1600.0 watts
Dishwasher: 1080.0 watts
Disposal: 600.00 watts
Clothes Dryer (at 70%): 4032.0 watts
Recirculating Tub: 1470.0 watts
Cooking units at (70%): 9590.0 watts
Furnace (Gas or Oil): 1440.0 watts
Microwave: 1320.0 watts
Freezer: 1440.0 watts

TOTAL WATTS: 29951.3 watts

TOTAL WATTS / 240V: 124.8 amps

Minimum Neutral Size : **#1 CU** at 75 degree C

- Notes:
- 1) Use a minimum 150 AMP panelboard. Use 200 AMP panel with an electric furnace.
 - 2) 1-1/2" min. factory installed feeder raceway for 150 AMP, 2" for 200 AMP.

ELECTRICAL LOAD CALCULATION

BY DATE
ELW 11/29/12

SYMB DESCRIPTION
1 Revise panelboard note.

DRAWN BY: ELW
DATE: 4/27/12

SCALE:
CHECKED BY:

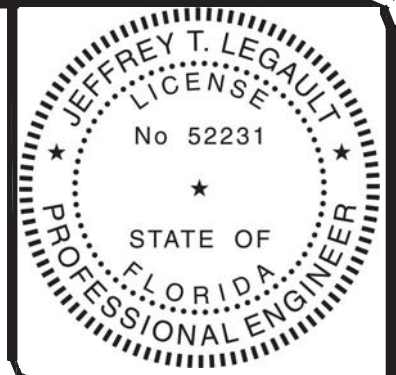
SKYLINE

Corporate Address:
2520 By-Pass Road
Elkhart, IN 46514

SHEET NO.

4D

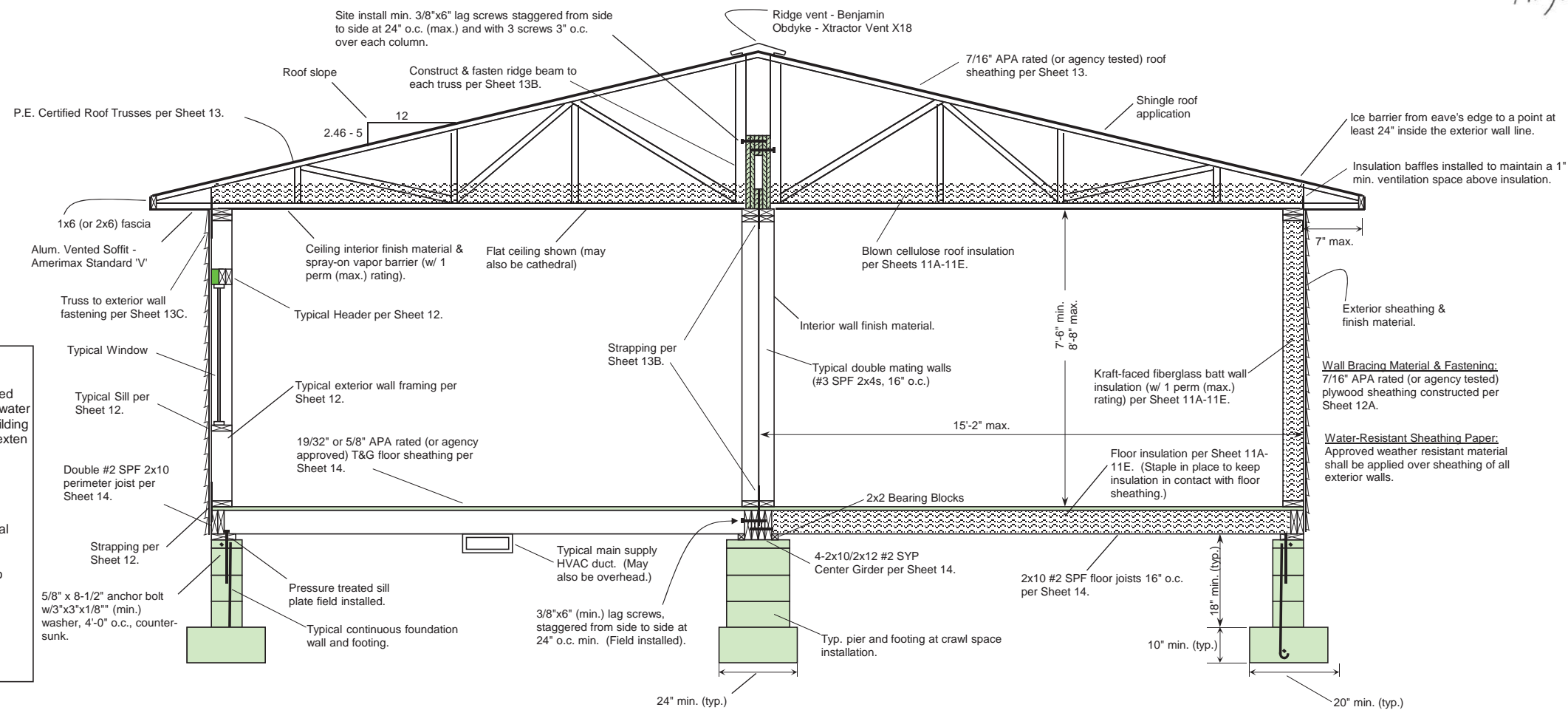
ELECTRICAL SPECIFICATIONS



Jeffrey T. Legault, PE
2016.10.21
15:09:16 -04'00'

Jeffrey T. Legault

Roof Flashing:
Flashings shall be installed at wall and roof intersections, wherever there is a change in roof slope or direction and around roof openings. Where flashing is of metal, the metal shall be corrosion resistant with a thickness of not less than 0.019 inch (No. 26 galvanized steel).



Wall Flashing:
Approved corrosion-resistant flashing shall be applied shingle-fashion in a manner to prevent the entry of water into the wall cavity or penetration of water to the building structural framing components. The flashing shall extend to the surface of the exterior wall finish. Approved flashings shall be installed at the following locations:
1. Exterior window and door openings.
2. At the intersection of chimneys or other masonry construction with frame or stucco walls.
3. Under and at the ends of masonry, wood or metal copings and sills.
4. Continuously above all projecting wood trim.
5. Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction.
6. At wall and roof intersections.
7. At built-in gutters.

Exterior Finish Material:
Roof - Asphalt shingles complying with ASTM D225 or D3462 and tested and bearing a label to indicate compliance with ASTM D7158 Class H or D3161 Class F. Shingles installed over a double layer of 15# felt per manufacturers specifications.
Wall - Vinyl siding (complying with ASTM D3679) or fiber cement siding (complying with ASTM C1186, Type A - Grade II) and installed per manufacturers specifications.

Interior Finish Material:
Ceiling - 1/2" or 5/8" gypsum board complying with ASTM C36 and installed per Sheet 3C.
Wall - 1/2" gypsum board complying with ASTM C36 and installed per Sheet 3C.

Flame Spread / Smoke Developed Indexes:
Wall and ceiling finishes shall have a flame spread index of not greater than 200 and a smoke-developed index of not greater than 450. Flame spread index requirements for finishes shall not apply to trim; to doors and windows or their frame.

Notes:
1) See Skyline Modular Home Installation Manual for typical foundation details & information.
2) An approved fireblocking/draftstopping caulk (or other approved material) shall be installed on-site at the floor & ceiling mating line.
3) Exterior insulation shall be covered with a protective material to prevent damage from sunlight, moisture, landscaping operations, equipment maintenance, and wind.

DATE	BY	ELW
3/30/16		

DESCRIPTION	DATE	SCALE	CHECKED BY:
1 Misc. revisions.	12/17/14		

DRAWN BY: ELW

SKYLINE
TYPICAL CROSS SECTION

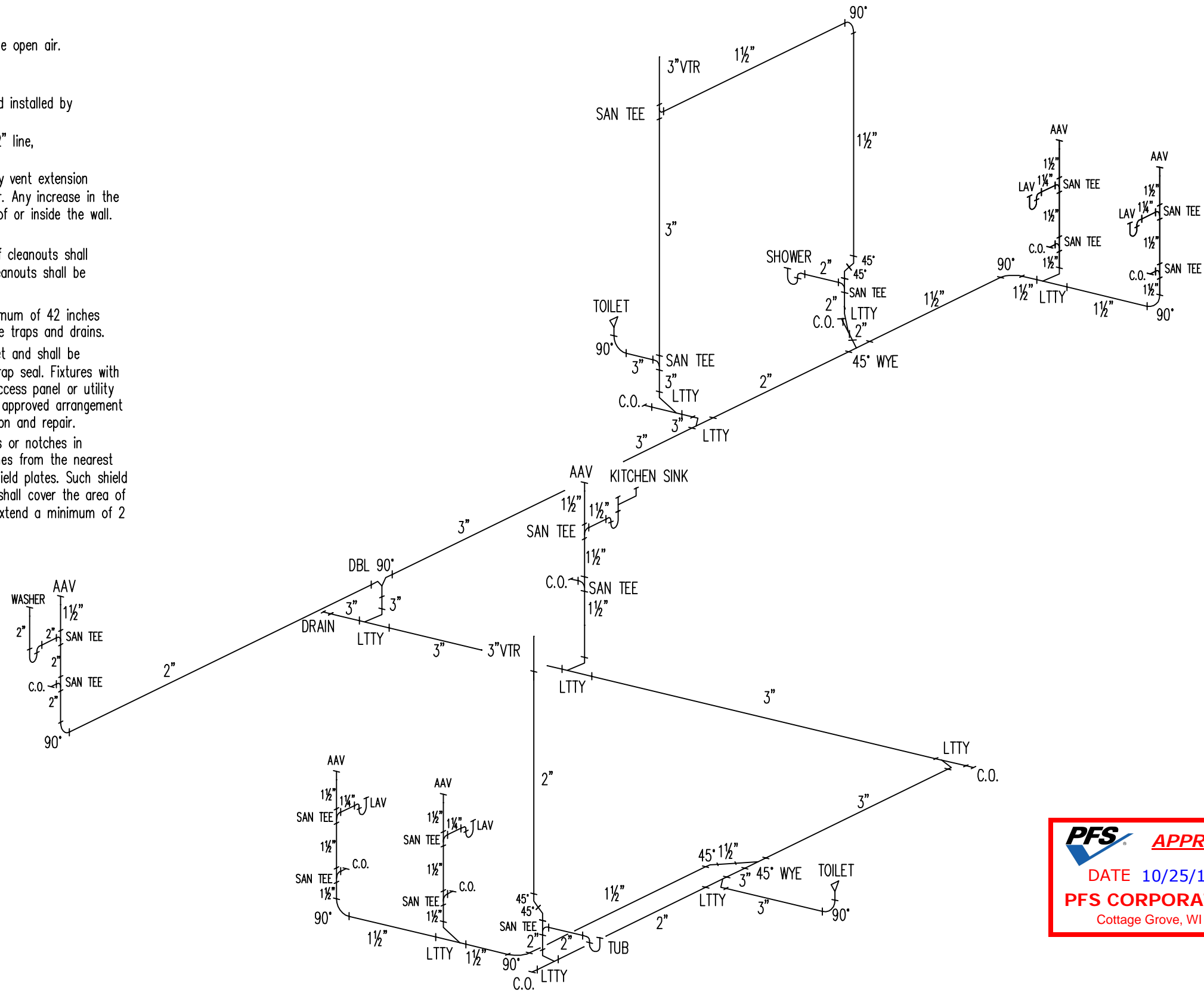
Corporate Address:
2520 By-Pass Road
Elkhart, IN 46514

SHEET NO. 6



- 1.) Drain lines to maintain 1/4" per foot minimum slope. (1/8" min. slope for 3" piping)
- 2.) Drain lines ran below floor may be field installed.
- 3.) Any part of the plumbing system installed in the factory must be inspected, tested and approved at the factory.
- 4.) A minimum of one main 3" vent shall extend outdoors to the open air.
- 5.) Drain line piping shall be supported 4'-0" o.c. horizontally, and at each story vertically.
- 6.) Drain lines may be stubbed through floor, and remainder field installed by builder on-site.
- 7.) Maximum distances from fixture trap to vent is 6' for 1-1/2" line, 8' for 2" line and 12' for 3" line.
- 8.) Vents through the roof to extend 1 foot above the roof. Every vent extension through the roof shall be not less than 3 inches in diameter. Any increase in the size of the vent shall be a minimum of 1 foot below the roof or inside the wall.
- 9.) Maximum distance from waste outlet to trap weir is 24".
- 10.) Cleanouts shall be accessible. Minimum clearance in front of cleanouts shall be 18" on 3" pipe, and 12" on smaller pipes. Concealed cleanouts shall be provided with an access.
- 11.) Standpipes shall extend a minimum of 18 inches and a maximum of 42 inches above the trap wier. Access shall be provided to all standpipe traps and drains.
- 12.) Slip joints shall be made with an approved elastomeric gasket and shall be installed only on the trap outlet, trap inlet and within the trap seal. Fixtures with concealed slip-joint connections shall be provided with an access panel or utility space at least 12 inches in its smallest dimension or other approved arrangement so as to provide access to the slip connections for inspection and repair.
- 13.) In concealed locations, where piping is installed through holes or notches in studs, joist, rafters or similar members less than 1-1/2 inches from the nearest edge of the member, the pipe shall be protected by steel shield plates. Such shield plates shall have a thickness of not less than 16 Gage and shall cover the area of the pipe where the member is notched or bored, and shall extend a minimum of 2 inches above the sole plates and below the top plates.

LEGEND:
 VTR = VENT THRU ROOF.
 C.O. = CLEANOUT.
 SAN TEE = SANITARY TEE.
 LTTY = LONG-TURN T-Y OR COMBINATION
 WYE w/ 1/8 (45°) BEND.
 TP = TERMINATION POINT.
 AAV = AIR ADMITTANCE VALVE.
 SEE MAN. INSTALLATION INSTRUCTIONS.

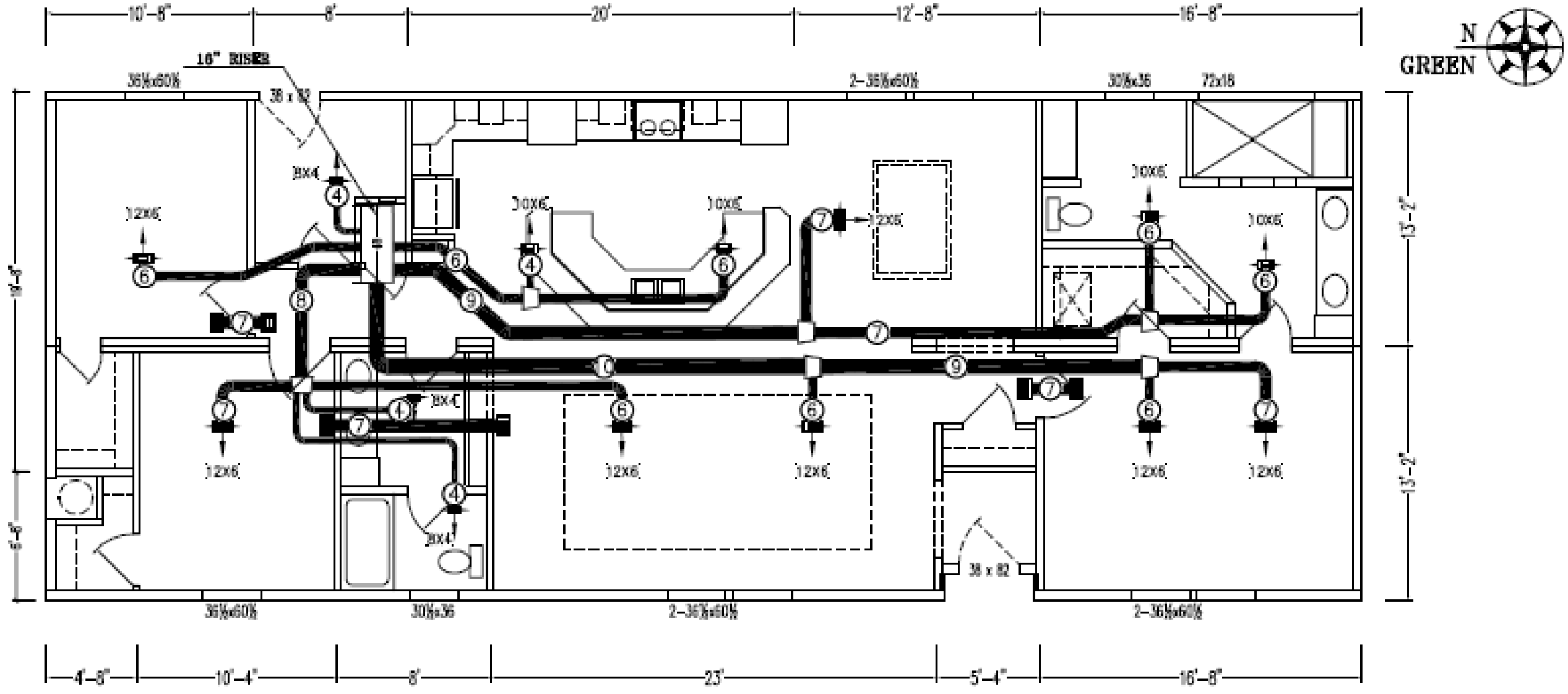


BY	DATE						
DESCRIPTION							
DRAWN BY: JIM	DATE: 10/24/2016	SCALE: NTS	CHECKED BY: ELW				
SKYLINE				DWV LINE S6168-M (S28-18126)			
SHEET NO.	7						

MD-00835
FLORIDA

PFS APPROVED
 DATE 10/25/16
PFS CORPORATION
 Cottage Grove, WI

LaSalleBristol
 Manufacturing
 Engineered System Using
 Overhead Graduated Flex
 Ducts w/ Ceiling Diffusers
 for Up-Flow Split A/C



Notes:
 1) Heat pump to be provided on-site by others.

SYMB	DESCRIPTION	BY	DATE

DRAWN BY: ELW
 DATE: 10/21/16
 SCALE:
 CHECKED BY:

SHEET NO. **10**

SKYLINE
 HVAC PLAN - S6168-M

Corporate Address:
 2520 By-Pass Road
 Elkhart, IN 46514

BUILDING THERMAL ENVELOPE REQUIREMENTS

Building Envelope Item
All joints, seams and penetrations.
Site-built windows, doors and skylights.
Openings between window and door assemblies and their respective jambs and framing.
Utility penetrations.
Dropped ceilings or chases adjacent to the thermal envelope.
Knee walls.
Walls and ceilings separating the garage from conditioned spaces.
Behind tubs and showers on exterior walls.
Common walls between dwelling units.
Attic access openings.
Rim joists junction.
Other sources of infiltration.

Notes.

a) The building thermal envelope shall be durably sealed to limit infiltration. The above items shall be caulked, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable film or solid material.

PRESCRIPTIVE COMPONENT EFFICIENCY REQUIREMENTS

Max. %	Fenestration	Skylight	Max. SHGC	Ceiling	Ext. Wall	Floor	Door
20	0.65	0.75	0.25	38	13	13	0.65

Notes.

- a) Roof/ceiling insulation is blown cellulose. Install per manufacturer requirements, including density and thickness. The thickness of the blown insulation shall be identified by markers that are labeled in inches installed at least one for every 300 square feet throughout the attic space. The markers shall be affixed to the trusses and marked with the minimum installed and settled thickness. The markers shall face the attic access.
- b) Wall insulation is fiberglass batts.
- c) Additional or higher insulation levels may be required for specific floorplans. Refer to model-specific energy calculations for required insulation levels.
- d) 'U' values to be determined in accordance NFRC 100 by an accredited, independent laboratory and labeled and certified by the manufacturer.
- e) As an alternative to the prescriptive requirements, compliance based on simulated energy performance requires that a proposed design be shown to have an annual energy cost that is less than or equal to 80 percent of the annual energy cost of the standard reference design.
- f) R-values listed above are minimums and U-factors listed above are maximums.
- g) See Sheet 11A - 11E for the Performance-Based Compliance Report.

General Requirements:

- 1) Joints, penetrations and all other such openings in the building envelope that are sources of air leakage must be sealed.
- 2) Recessed lights must be Type IC rated.
- 3) Vapor retarder with a maximum permeance rating of 1.0 is required on warm-in-winter side of non-vented framed walls and ceilings.
- 4) Furnace and water heaters when provided are 3rd party listed and labeled and installed per their manufacturer instructions. Manuals for all installed equipment are provided with home.
- 5) All duct joints, seams and connections must be securely fastened with welds, gaskets, mastics, mastic-plus-embedded-fabric, or tapes. Duct tape is not permitted. Tapes, if used, shall be a metallic type U.L. listed 181A for rigid duct systems 181B for flexible duct systems.
- 6) Air filters are required in the return air system.
- 7) Each home shall be provided with one thermostat capable of automatically adjusting the space temperature set point of the largest zone.
- 8) Main HVAC trunk is 3/4" U.L. Listed fiberglass rigid duct board.
- 9) Supply ducts located in attics shall be insulated to a minimum of R-8. All other ducts shall be insulated to a minimum of R-6.
- 10) Water heaters with vertical risers must have a heat trap on both the inlet and outlet unless the water heater has an integral trap.
- 11) Attic access panels in ranch homes shall be weatherstripped and insulated on the attic side with fiberglass batt insulation with same R-value as rest of attic.
- 12) Energy Performance Level (EPL) display card shall be completed and certified by the builder.
- 13) Duct-tightness shall be verified on-site by testing to ASHRAE Standard 152, per Florida Building Code - Energy Conservation 403.2.2.1.
- 14) Adequate return air shall be provided for fuel-burning forced air furnaces through air-tight ducts. The total return air area shall be in accordance with the furnace manufacturer's instructions. Return air shall not be taken from a closet, bathroom, toilet room, kitchen or garage. Grilled or louvered openings shall be installed between all habitable rooms and the main return air grille.
- 15) Air balancing dampers (or other means of supply air adjustments) shall be provided in the branch ducts or at each individual duct register, grille or diffuser.
- 16) Make-up air requirements for the operation of exhaust fans, kitchen ventilation systems and clothes dryers shall be considered in determining the adequacy of a space to provide combustion air.
- 17) The air removed by every mechanical exhaust system shall be discharged to the outdoors. Air shall not be exhausted into an attic, soffit, ridge vent or crawl space. Clothes dryer exhaust ducts shall have a smooth interior finish and shall be constructed of 0.016 inch metal. Kitchen range hood ducts shall discharge to the outdoors through a galvanized steel single-wall duct with a smooth interior finish (which is air-tight and equipped with a backdraft damper) designed to have a ventilation rate of 100 cfm intermittent or 25 cfm continuous. Bathroom exhaust duct material shall be in compliance with UL 181 and UL 181A or UL 181B designed to have a ventilation rate of 50 cfm intermittent or 20 cfm continuous.
- 18) Vent terminals for direct-vent appliances shall be installed in accordance with the manufacturer's instructions. Vent terminals shall not be located less than 3 feet above a forced air inlet located within 10 feet. They shall be located not less than 4 feet below, 4 feet horizontally from, or 1 foot above any door or window and shall be located at least 12 inches above finished ground level.



SYMB	DESCRIPTION	BY	DATE
1	Code update.	ELW	10/21/15
DRAWN BY: ELW			
DATE: 4/30/12			
SCALE:			
CHECKED BY:			
SKYLINE		THERMAL & HVAC SPECIFICATIONS	
Corporate Address: 2520 By-Pass Road Elkhart, IN 46514			
SHEET NO.	11		



REScheck Software Version 4.6.2

Inspection Checklist

Energy Code: 2014 Florida Building Code, Energy Conservation

Requirements: 0.0% were addressed directly in the REScheck software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Pre-Inspection/Plan Review	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
103.1, 103.2 [PR1] ²	Construction drawings and documentation demonstrate energy code compliance for the building envelope.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
103.1, 103.2, 403.7 [PR3] ²	Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the FBC, Energy Conservation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
302.1, 403.6 [PR2] ²	Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official. Refer to R403.6.1 for full details.	Heating: Btu/hr _____ Cooling: Btu/hr _____	Heating: Btu/hr _____ Cooling: Btu/hr _____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

Section # & Req.ID	Foundation Inspection	Complies?	Comments/Assumptions
303.2.1.3 [FO11] ²	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.8 [FO12] ²	Snow- and ice-melting system controls installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:



1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

SKYLINE
 PERFORMANCE-BASED COMPLIANCE REPORT
 SHEET NO. 11B
 Corporate Address:
 2520 By-Pass Road
 Elkhart, IN 46514
 DRAWN BY: ELW
 DATE: 10/24/16
 SCALE:
 CHECKED BY:
 SYMB DESCRIPTION
 BY DATE

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.3.4 [FR1] ²	Door U-factor.	U-____	U-____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
402.1.1, 402.3.1, 402.3.3, 402.3.6 [FR2] ²	Glazing U-factor (area-weighted average).	U-____	U-____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
402.1.1, 402.3.2, 402.3.3 [FR3] ²	Glazing SHGC value (area-weighted average).	SHGC: ____	SHGC: ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
303.1.3 [FR4] ²	U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
402.4.1.1 [FR23] ²	Air barrier and thermal barrier installed per manufacturer's instructions.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
402.4.3 [FR20] ²	Fenestration that is not site built is listed and labeled as meeting AAMA /WDMA/CSA 101/I.S.2/A440 or has infiltration rates per NFRC 400 that do not exceed code limits.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
402.4.4 [FR16] ²	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤2.0 cfm leakage at 75 Pa.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.2.1 [FR12] ²	Supply ducts in attics are insulated to ≥R-8. All other ducts in unconditioned spaces or outside the building envelope are insulated to ≥R-6.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.2.3 [FR15] ²	Building cavities are not used as ducts or plenums.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.3 [FR17] ²	HVAC piping conveying fluids above 105 °F or chilled fluids below 55 °F are insulated to ≥R-3.	R-____	R-____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.3.1 [FR24] ²	Protection of insulation on HVAC piping.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.4.3 [FR26] ²	Storage water heaters not equipped with integral heat traps and having vertical pipe risers have heat traps installed on both the inlets and outlets. External heat traps installed per code guidelines.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.4.4.1.1 [FR27] ²	Service water heating systems are equipped with automatic temperature controls.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.4.4.1.2 [FR28] ²	A separate switch permits the power supplied to electric service water systems to be turned off. A separate valve permits the energy supplied to the main burner(s) of combustion types of service water heating systems to be turned off.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.4.4.2 [FR29] ²	Water heating equipment meets minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions. Equipment used to provide heating functions as part of a combination system satisfies all stated requirements for the appropriate water heating category.	Table 404.2 (required Ef): ____	Table 404.2 (required Ef): ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.4.4.2.1 [FR30] ²	Solar systems for domestic hot water production satisfy energy factor requirements determined from the Florida Solar Energy Center Directory of Certified Solar Systems.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.5.2 [FR31] ²	Buildings designed to operate at positive indoor pressure or have mechanical ventilation meet the following criteria: 1) Maximum air-change-hour equal minimums from ASHRAE 62, Ventilation for Acceptable Indoor Air Quality, 2) No ventilation or air-conditioning system make-up air provided from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas, and 3) Air drawn from enclosed space(s) have walls insulated ≥ R-11 and ceiling ≥ R-19, space permitting, or R-10 otherwise.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.5 [FR19] ²	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:



1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

SYMB DESCRIPTION BY DATE

DRAWN BY: ELW DATE: 10/24/16 SCALE: CHECKED BY:

SKYLINE

Corporate Address:
2520 By-Pass Road
Elkhart, IN 46514

PERFORMANCE-BASED COMPLIANCE REPORT

SHEET NO. **11C**

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.5.1 [FI25] ²	All mechanical ventilation system fans not part of tested and listed HVAC equipment meet efficacy and air flow limits.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
404.1 [FI6] ¹	75% of lamps in permanent fixtures or 75% of permanent fixtures have high efficacy lamps. Does not apply to low-voltage lighting.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
404.1.1 [FI23] ³	Fuel gas lighting systems have no continuous pilot light.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
401.3 [FI7] ²	An energy performance level (EPL) display card must be completed and certified by the builder before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. A copy of the EPL card form can be found in Appendix C of the "FBC, Energy Conservation".			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
303.3 [FI18] ³	Manufacturer manuals for mechanical and water heating systems have been provided.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
403.2.4 [FI30] ²	Air handling units are not installed in attic.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:



APPENDIX C FORMS

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = _____

The lower the Energy Performance Index, the more efficient the home.

1. New home or, addition	1. <u>New</u>	12. Ducts, Location & Insulation Level	
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts	R= <u>8.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts	R= _____
4. Number of bedrooms	4. <u>3</u>	c) AHU location	
5. Is this a worst case? (yes/no)	5. <u>yes</u>	13. Cooling system:	Capacity: <u>3.0 ton</u>
6. Conditioned floor area (sq. ft.)	6. <u>1784</u>	a) Split system	SEER _____
7. Windows, type and area		b) Single package	SEER _____
a) U-factor:	7a. <u>0.30</u>	c) Ground/water source	COP _____
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.25</u>	d) Room unit/PTAC	EER _____
Area	7c. <u>150</u>	e) Other _____	
8. Skylights		14. Heating system:	
a) U-factor	8a. _____	a) Split system heat pump	HSPF <u>7.7</u>
b) Solar Heat Gain Coefficient (SHGC)	8b. _____	b) Single package heat pump	HSPF _____
9. Floor type, insulation level:		c) Electric resistance	COP _____
a) Slab-on-grade (R-value)	9a. <u>11.0</u>	d) Gas furnace, natural gas	AFUE _____
b) Wood, raised (R-value)	9b. _____	e) Gas furnace, LPG	AFUE _____
c) Concrete, raised (R-value)	9c. _____	f) Other _____	
10. Wall type and insulation:		15. Water heating system	
A. Exterior:		a) Electric resistance	EF <u>0.95</u>
1. Wood frame (Insulation R-value)	10A1. <u>19.0</u>	b) Gas fired, natural gas	EF _____
2. Masonry (Insulation R-value)	10A2. _____	c) Gas fired, LPG	EF _____
B. Adjacent:		d) Solar system with tank	EF _____
1. Wood frame (Insulation R-value)	10B1. _____	e) Dedicated heat pump with tank	EF _____
2. Masonry (Insulation R-value)	10B2. _____	f) Heat recovery unit	HeatRec% _____
11. Ceiling and insulation level		g) Other _____	
a) Under attic	11a. <u>30.0</u>	16. HVAC credits claimed (Performance Method)	
b) Single assembly	11b. _____	a) Ceiling fans	
c) Knee walls/skylight walls	11c. _____	b) Cross ventilation	
d) Radiant barrier installed	11d. _____	c) Whole house fan	
		d) Multizone cooling credit	
		e) Multizone heating credit	
		f) Programmable thermostat	

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT. I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed code compliant features.

Builder Signature: [Signature] Date: 10/24/16

Address of New Home: Keene Road City/FL Zip: Plant City, FL 33565

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

SYMB	DESCRIPTION	BY	DATE

DRAWN BY: ELW
DATE: 10/24/16
SCALE:
CHECKED BY:

SKYLINE

Corporate Address:
2520 By-Pass Road
Elkhart, IN 46514

SHEET NO.

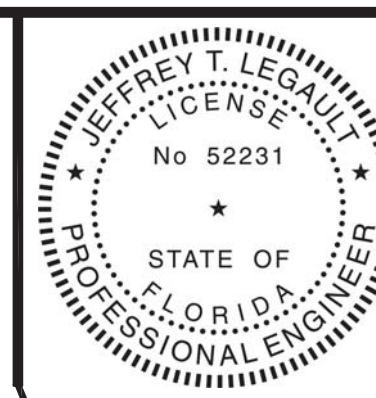
11E

PERFORMANCE-BASED COMPLIANCE REPORT

Max. Marriage Wall Colum Spans		
Column Configuration	28' & 32' Wides	
	20 PSF Roof Snow Load	
	2-2x4s	13'-1"
	4-2x4s	26'-3"
	1-2x6	16'-0"

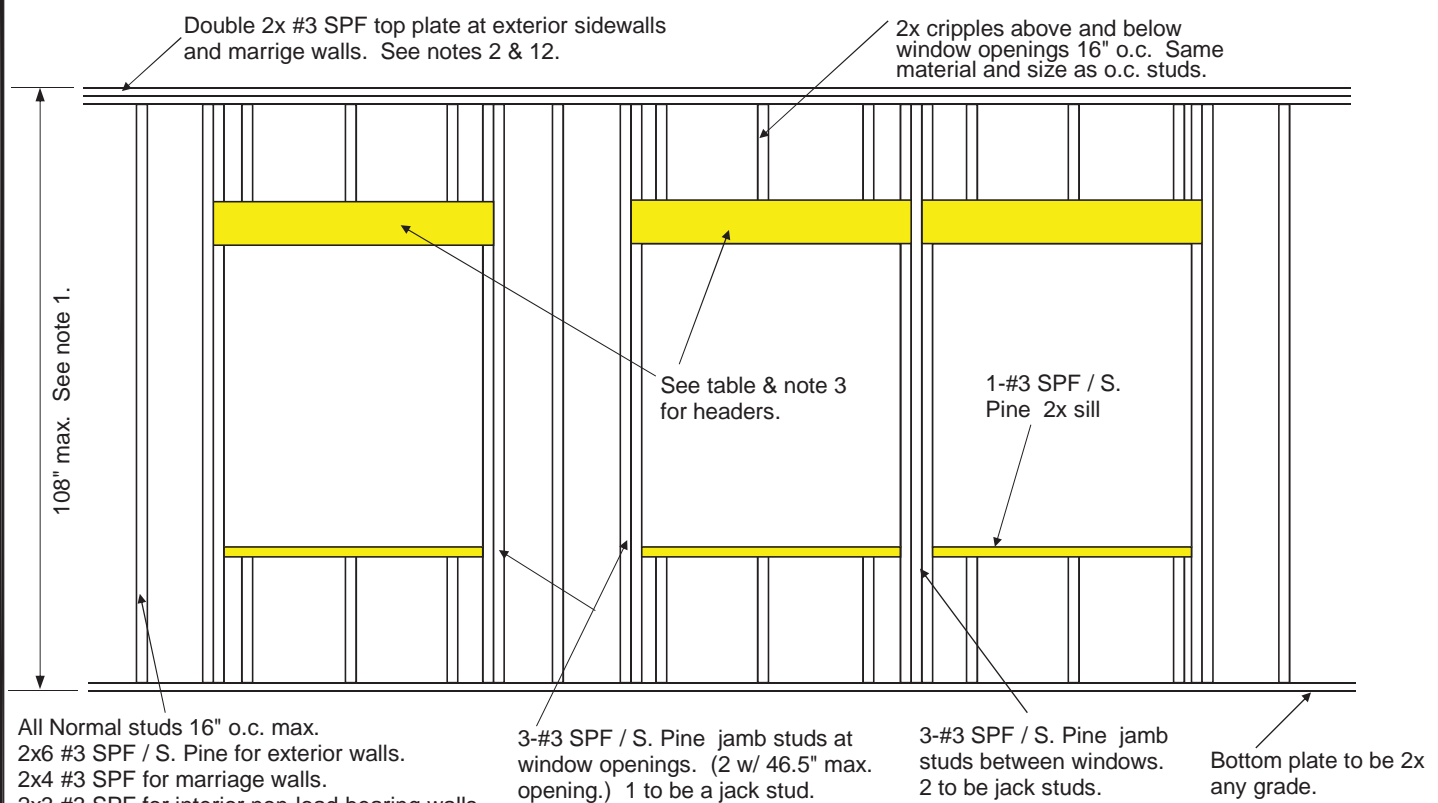
Max. Exterior Sidewall Header Spans			
28' & 32' Wides w/ 7" max. overhang			
Header Configuration	20 PSF Roof Snow Load		
	#3 SPF	#2 SPF / S. Pine	
	3-2x3s	30.5"	36.5"
	3-2x4s on edge	41"	48"
	1-2x6 laid	19"	24.5"
	2-2x6s laid flat	38"	47"
	3-2x6s	57"	68"
	3-2x6s on edge	59"	72"

Max. Sidewall Opening Spans	
28' & 32' Wides w/ 7" max. overhang	
Strap from header-to-stud & from stud-to-floor w/ 9-0.148"x1-1/2" nails per strap	
1-Simpson ST22 strap	5'-0"
2-Simpson ST22 straps	11'-4"



Jeffrey T. Legault, PE
 2016.10.21
 15:08:56 -04'00"

SYMB	DESCRIPTION	DATE
DRAWN BY:	ELW	10/20/15
DATE:		
SCALE:		
CHECKED BY:		



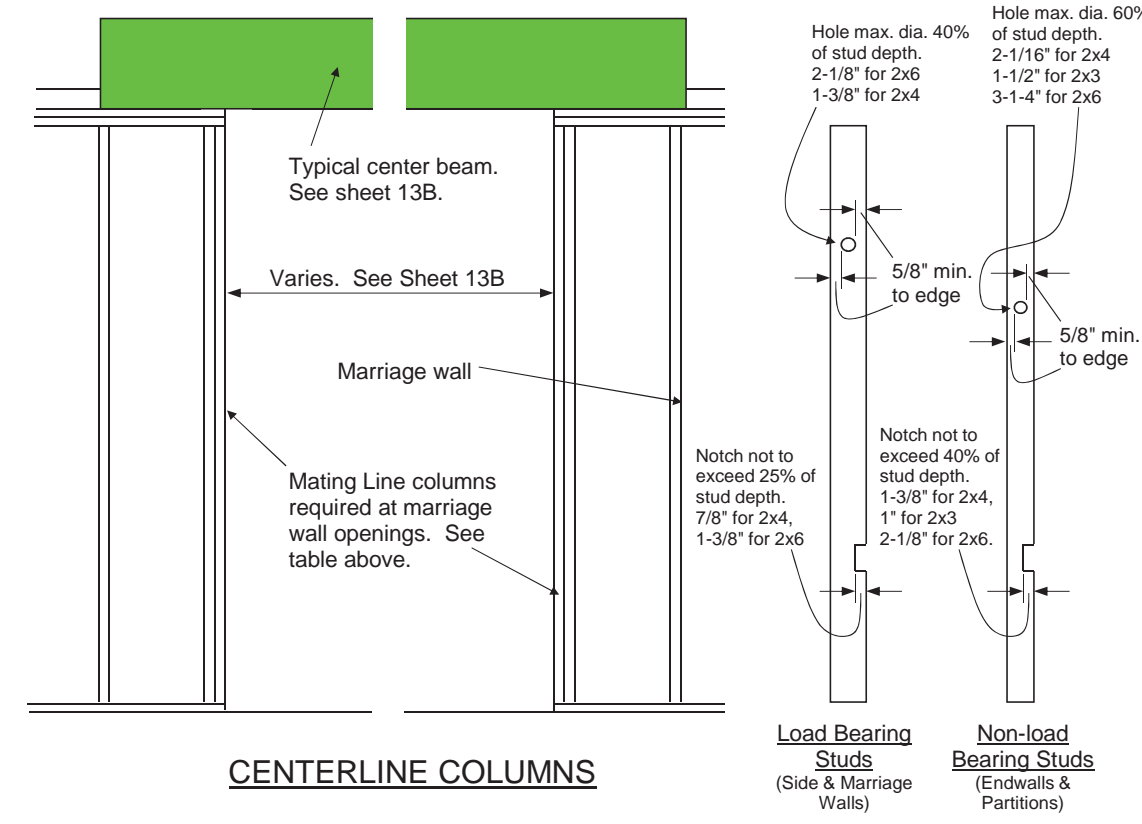
All Normal studs 16" o.c. max.
 2x6 #3 SPF / S. Pine for exterior walls.
 2x4 #3 SPF for marriage walls.
 2x3 #3 SPF for interior non-load bearing walls

3-#3 SPF / S. Pine jamb studs at window openings. (2 w/ 46.5" max. opening.) 1 to be a jack stud.

3-#3 SPF / S. Pine jamb studs between windows. 2 to be jack studs.

Bottom plate to be 2x any grade.

TYPICAL WALL FRAMING



CENTERLINE COLUMNS

STUD NOTCHING & DRILLING
 See notes 10 & 11.

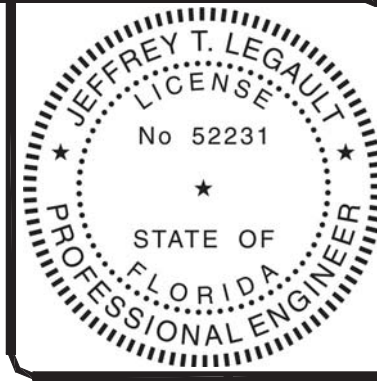
- Notes:**
- 1) Exterior sidewalls to be 104" high max. Cathedral exterior endwalls, interior partitions and marriage walls may be 126" max.
 - 2) Interior non-load bearing partitions, and exterior endwalls may have a single top plate. Stagger end joints on double top plates 48" min. Fully glue and staple top plates in lapped area.
 - 3) Headers in table are applicable to exterior sidewalls only. Headers to be same as sill for exterior endwalls.
 - 4) Exterior walls to be 2x6 construction. Centerline marriage walls to be 2x4 construction and be on both halves of unit (double wall). Interior partitions to be 2x3 construction (min.).
 - 5) See specifications sheet 3C for fastening schedule.
 - 6) Multiple member laid flat headers shall be glued.
 - 7) All exterior walls are to be sheathed with 7/16" min APA rated (or agency tested) wall plywood sheathing. See sheet 12A for wall bracing requirements.
 - 8) Marriage wall is to be on both halves of units. Columns in the above table, shown on one half must be used in combination with columns on opposite half. Add individual spans together to determine allowable span. Size columns between adjacent marriage wall openings by adding spans together.
 - 9) Required column configurations are shown on the model specific floorplan.
 - 10) If hole is between 40% & 60% of stud depth, then then stud must be doubled and no more than two successive studs are doubled and so bored. Load bearing studs only.
 - 11) Bored holes shall not be located in the same cross section of cut or notch in stud.
 - 12) If the top plate of a sidewall or marriage wall is cut, drilled or notched by more than 50% of it's width, then install a 16Ga.x1-1/2" min. galv. steel strap to each plate across and to each side of the cut out w/8-10d nails or equivalent. Strap must extend 6" past the opening.



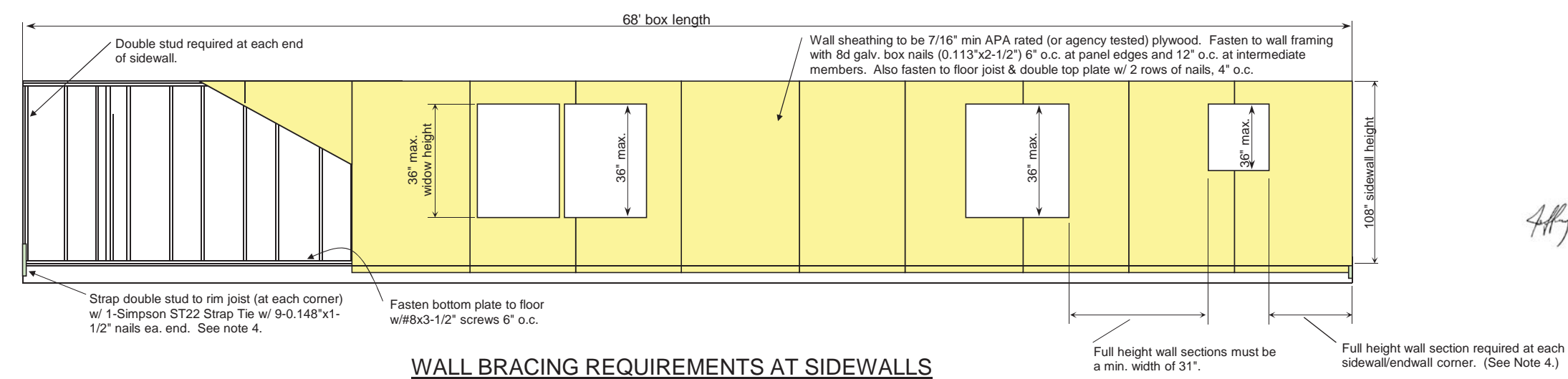
SKYLINE
WALL SYSTEM - FRAMING

Corporate Address:
 2520 By-Pass Road
 Elkhart, IN 46514

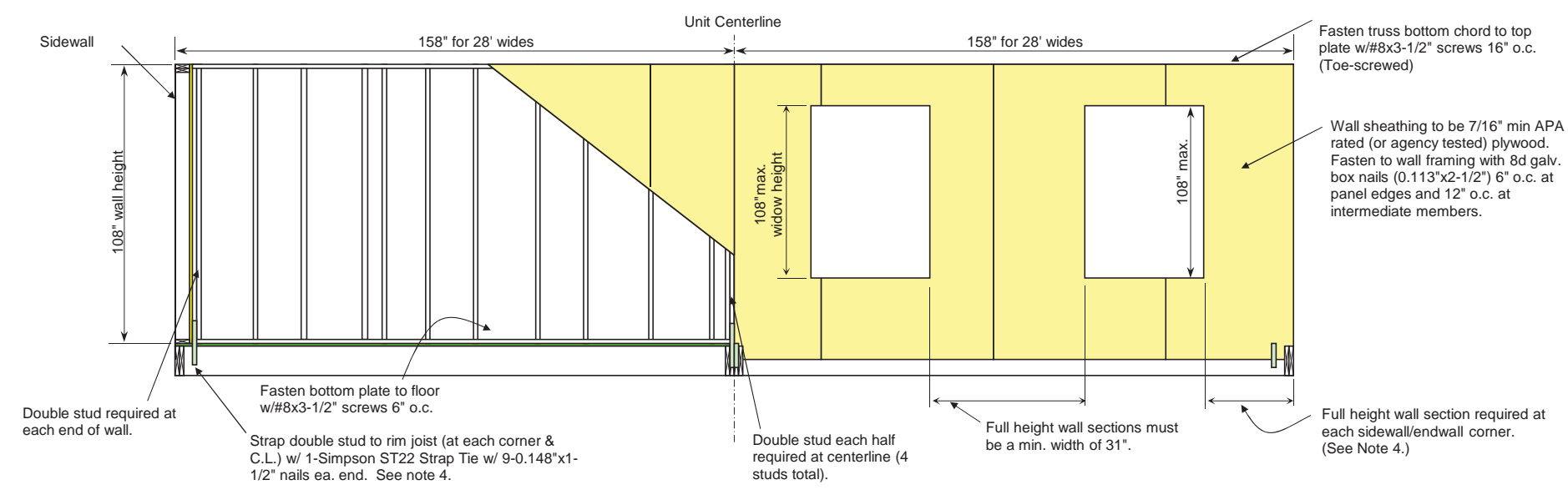
SHEET NO. **12**



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WALL BRACING REQUIREMENTS AT SIDEWALLS



WALL BRACING REQUIREMENTS AT ENDWALLS



- NOTES:**
- 1) This sheet indicates requirements for exterior wall bracing due to the effects of wind.
 - 2) Stagger nails at adjoining panel edges. Nails shall be located 3/8" min. from panel edges.
 - 3) See Sheet 12 for framing requirements (studs, jambs, headers, sills & fastening).
 - 4) If a full height wall section is not located at a corner, any full height sheathing in this area cannot be counted. Also, the opening edge furthest from the sidewall/endwall corner will be strapped the same as the corner.
 - 5) All vertical and horizontal joints shall occur over, and be fastened to, studs or blocking.

SYMB	DESCRIPTION	DATE
DRAWN BY: ELW		10/21/16
CHECKED BY:		

SKYLINE
 WALL SYSTEM - EXT. WALL BRACING

SHEET NO. **12A**

Job 78122	Truss M810205	Truss Type MONO TRUSS	Qty 1	Ply 1	Skyline 216 F-537-E Div. #535
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Universal Forest Products Inc., Grand Rapids, MI 49525, Mike Patten 7.610 e Jan 29 2015 MITek Industries, Inc. Tue May 12 09:14:29 2015

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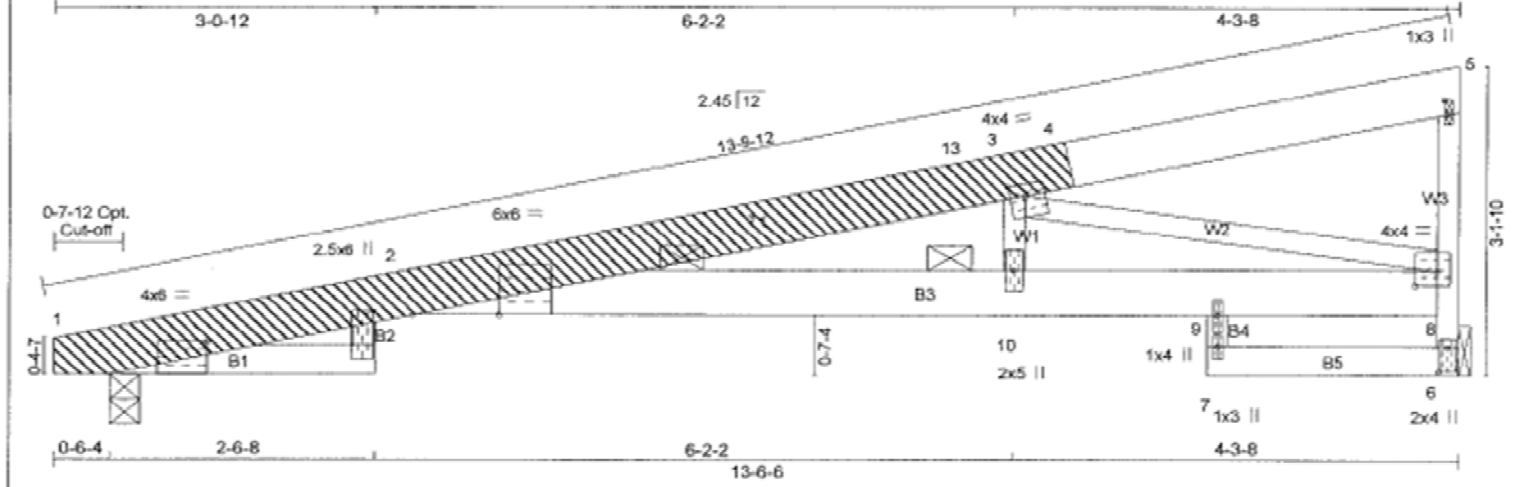


Plate Offsets (X,Y) - [2-0-9-15,0-0-0], [3-0-1-12,0-1-8], [5-0-1-12,0-0-8], [6-0-3-0,0-1-0], [8-0-2-8,0-1-12]

LOADING (psf)	SPACING- 2-0-0	CSL	DEFL. in (loc)	Wdef	L/H	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.74	Vert(LL) 0.54	2-10	>298	MT20	197/144
TCCL 10.0	Lumber DOL 1.25	BC 0.80	Vert(TL) 0.42	2-10	>379		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.62	Horz(TL) -0.17	6	n/a		
BCDL 5.0	Code FBC2014/TP12007	(Matrix)				Weight: 73 lb	FT = 0%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. [P]
BOT CHORD 2x3 SPF Stud 'Except'	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
B3: 2x6 SPF No.2, B1,B5: 2x4 SPF No.2	3-7-0 oc bracing: 2-9
WEBS 2x3 SPF Stud 'Except'	
W2: 2x3 SPF No.2	
OTHERS 2x6 SPF No.2	
LBR SCAB 1-4 2x6 SPF No.2 one side	

REACTIONS. (lb/size) 1=465/0-3-8 (min. 0-1-6), 6=465/Mechanical
 Max Horz 1=334(LC 5)
 Max Uplift 1=662(LC 5), 6=731(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-228/0, 2-13=-1267/2199, 3-13=-1202/2201, 3-4=-43/0, 4-5=-37/8, 6-8=-453/908, 5-8=-91/215
 BOT CHORD 2-10=-2420/1241, 9-10=-2420/1241, 8-9=-2378/1210, 6-7=-42/38, 7-9=0/32
 WEBS 3-10=-103/205, 3-8=-1284/2505

- NOTES-**
- 1) Attached 10-0-0 scab 1 to 4, front face(s) 2x6 SPF No.2 with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c. except: starting at 2-6-1 from end at joint 1, nail row(s) at 4" o.c. for 2-0-0.
 - 2) This truss has been checked for uniform roof live load only, except as noted.
 - 3) Wind: ASCE 7-10; Vult=180mph (3-second gust) Vasd=139mph; TCCL=5.0psf; BCCL=3.0psf; h=30ft; Cat. II; Exp D; Encl. GCpl=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 662 lb uplift at joint 1 and 731 lb uplift at joint 6.
 - 7) Fity of members 4 - 5, 8 - 5 have been changed.
 - 8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.
 - 9) Based on M810202
 - 10) Updated to FBC 2014

E-signed by Kevin Freeman



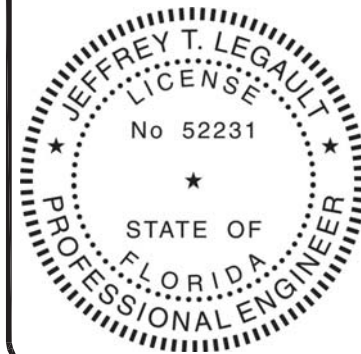
The professional engineering seal indicates that a licensed professional has reviewed the design under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - Verify design parameters and READ NOTES Universal Forest Products, Inc. 2901 EAST BELTLINE RD, NE
 PHONE (616)-364-6161 FAX (616)-365-0060 GRAND RAPIDS, MI 49525

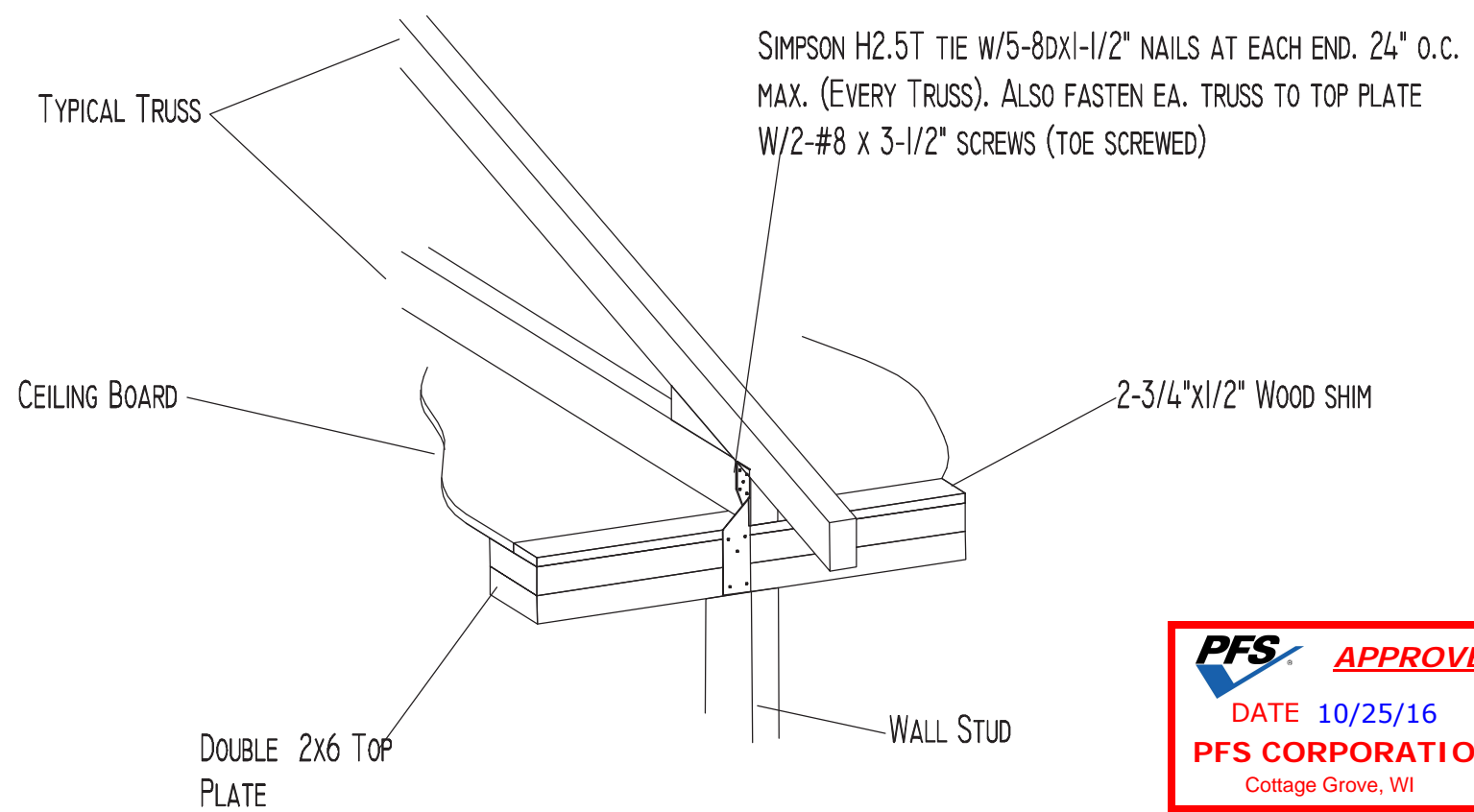
This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TP11. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-05 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MITekSupp\templates\ulp.tpe



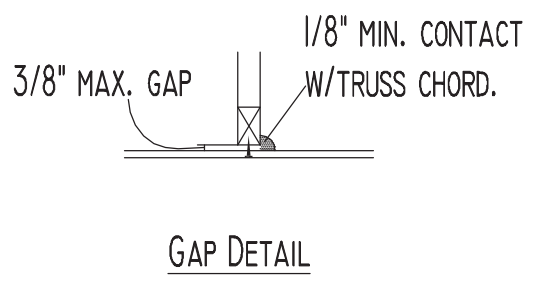
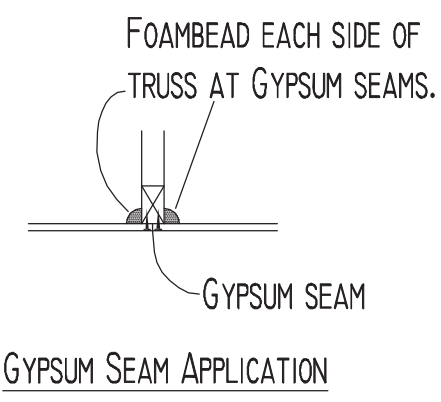
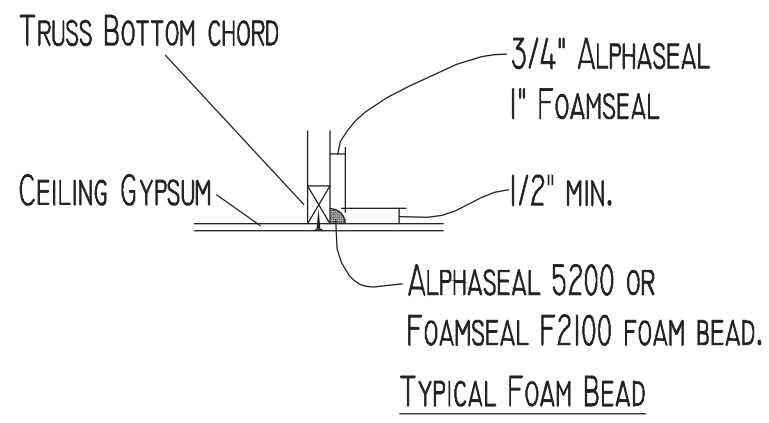
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DRAWN BY:	ELW	DATE: 10/25/16
		SCALE:
CHECKED BY:		
SHEET NO.	SKYLINE ROOF SYSTEM	
	13	
Corporate Address:	2520 By-Pass Road Elkhart, IN 46514	



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 2016.10.21
 15:07:17 -04'00'



SIDEWALL UPLIFT CONNECTION DETAIL



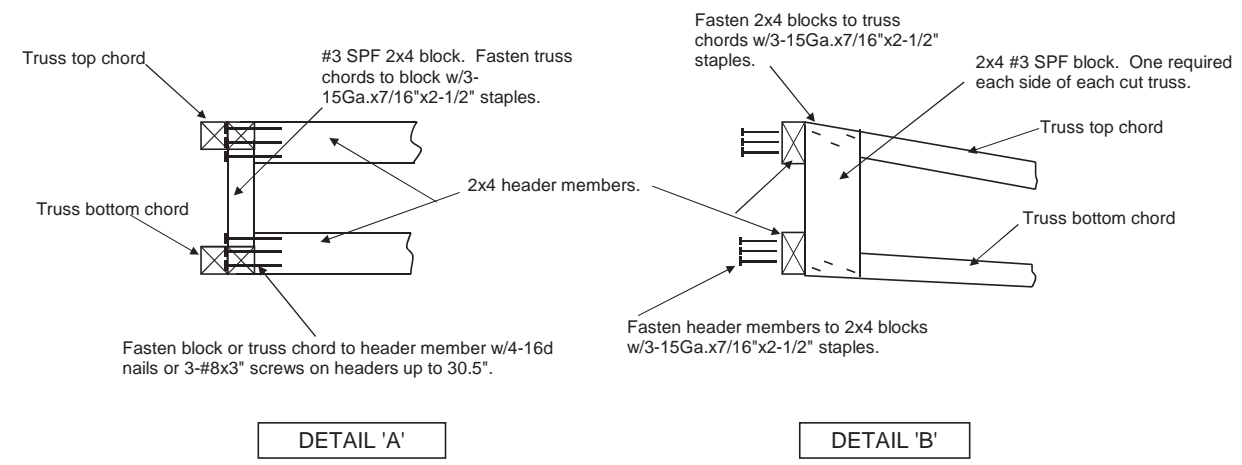
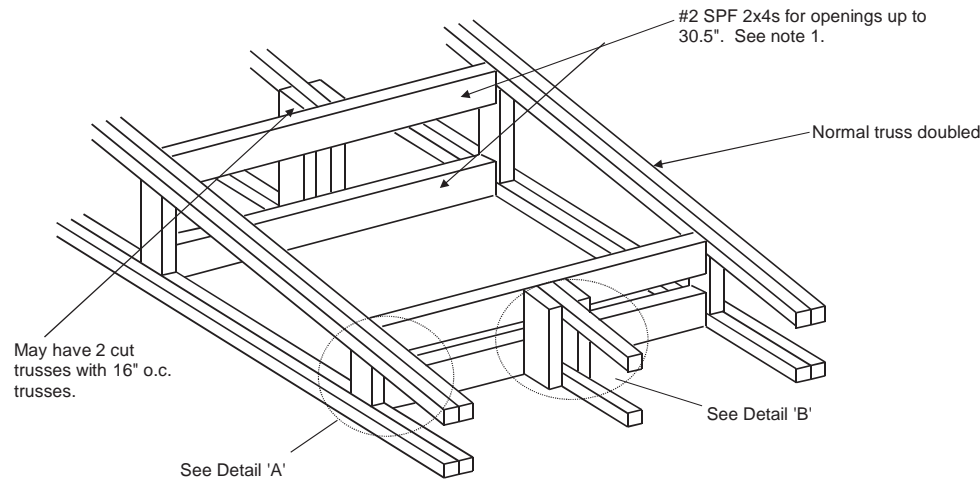
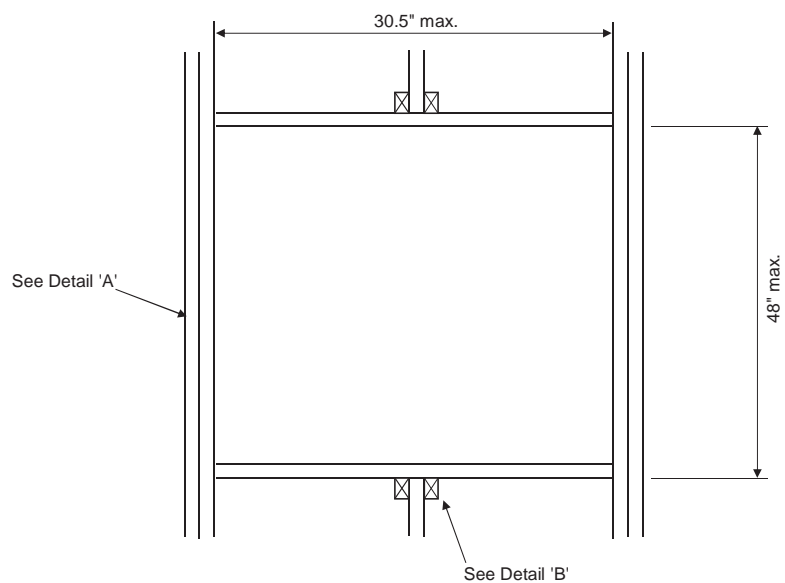
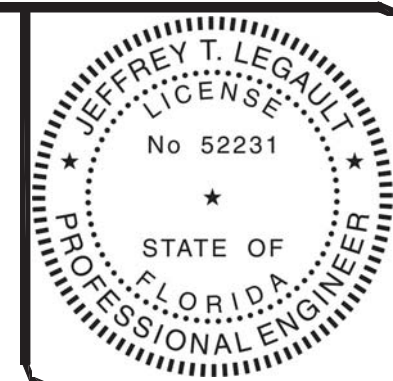
CEILING GYPSUM BOARD TO TRUSS ATTACHMENT

- NOTES:
- 1.) APPLY FOAM PER MANUFACTURER INSTRUCTIONS.
 - 2.) FOAM BEAD TO RUN ENTIRE LENGTH OF BOTTOM CHORD.

DATE	12/16/14
BY	JM
DESCRIPTION	UPDATE FASTENING NOTE
STATUS	T
DRAWN BY	JIM
DATE	07/14/2010
SCALE	NTS
CHECKED BY	ELW

SKYLINE
 ROOF SYSTEM - OTHER DETAILS
 Corporate Address:
 2520 By-Pass Road
 Elkhart, IN 46514

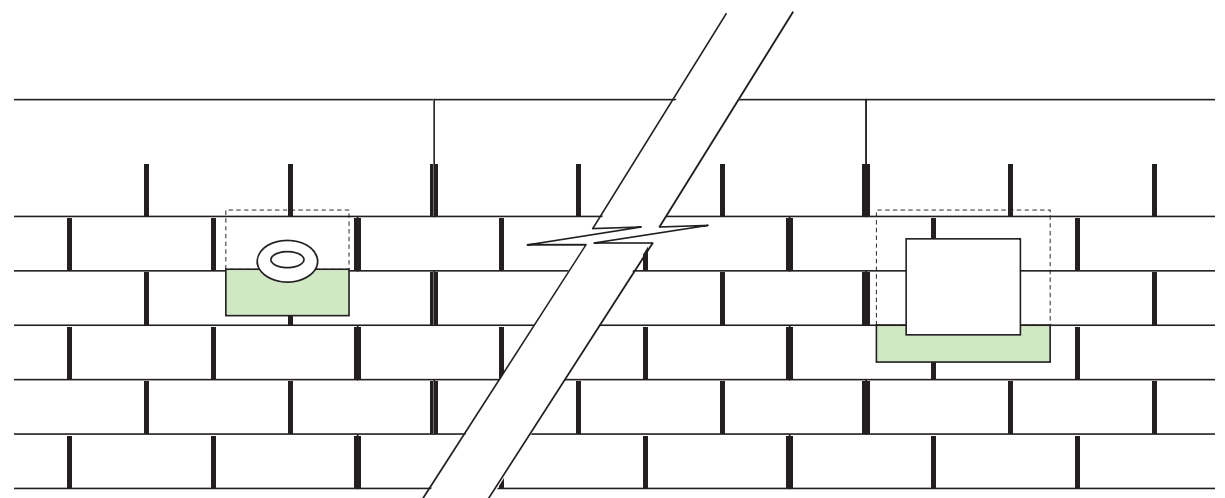
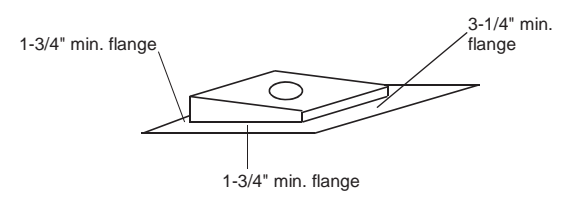
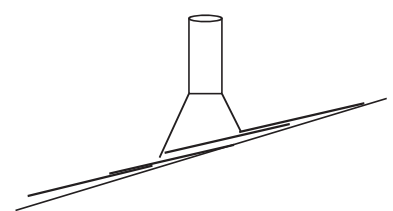
SHEET NO.
13C



NOTES:
 1) If no trusses are cut, fasten headers & blocks per Detail 'A' & ignore Detail 'B'.

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 PE
 2016.10.21
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Jeffrey T. Legault



TYPICAL ROOF FLASHING DETAIL
 For DWV system
 Ceiling Fan Vents
 Gas Water Heater Vent

FURNACE ROOF JACK WEDGE
 or Roof Vent

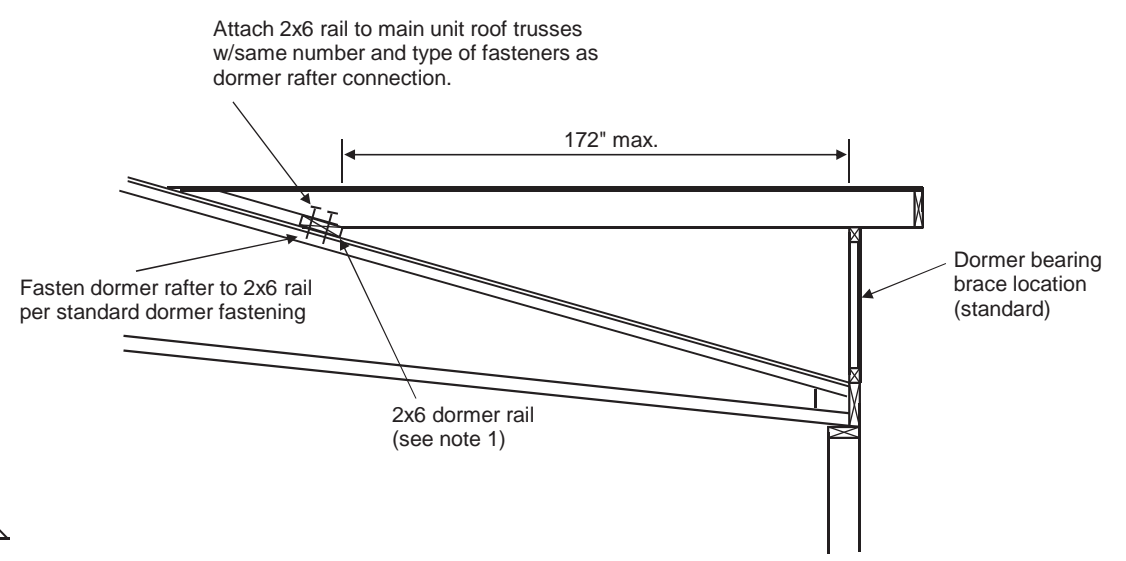
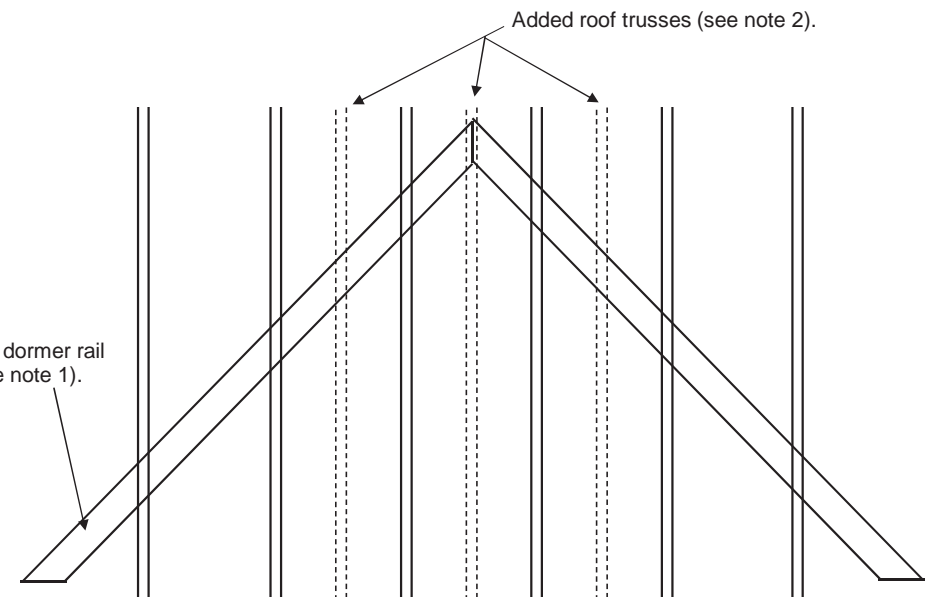
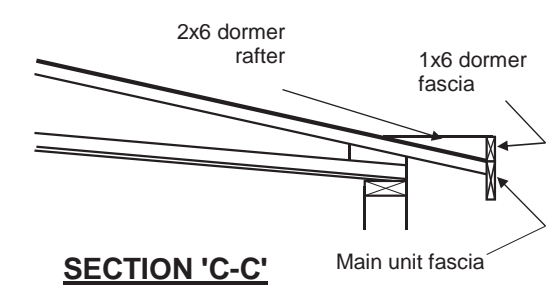
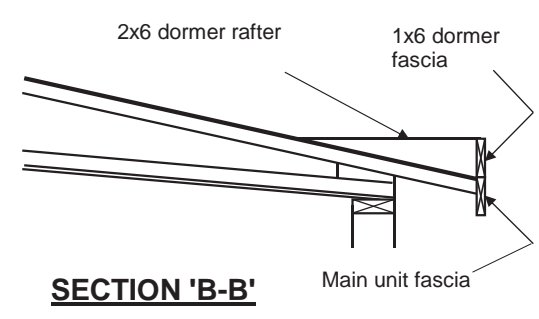
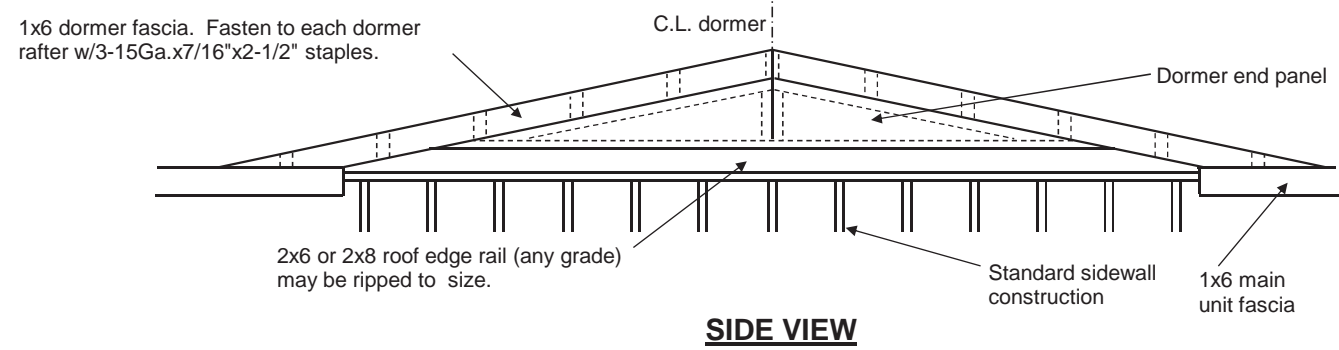
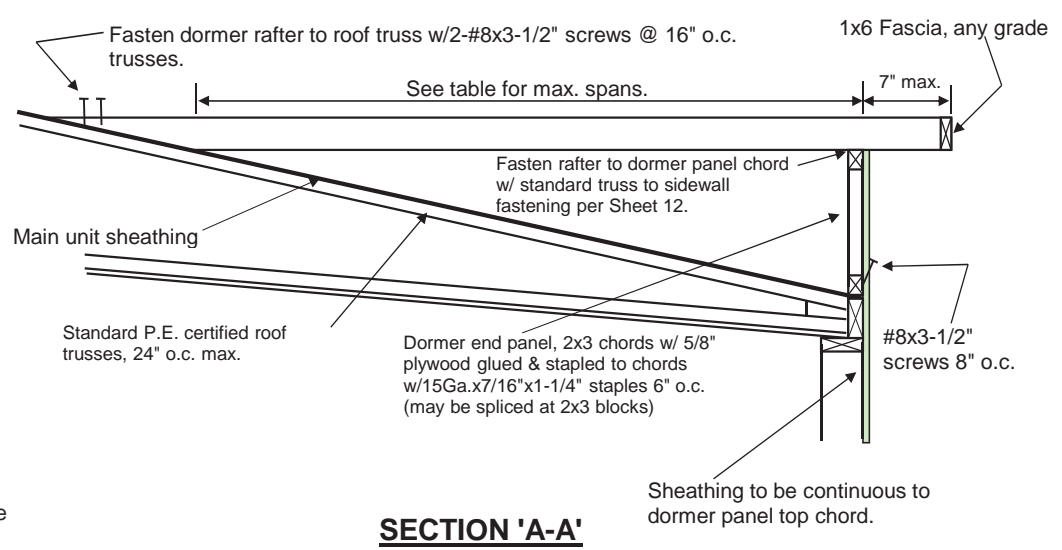
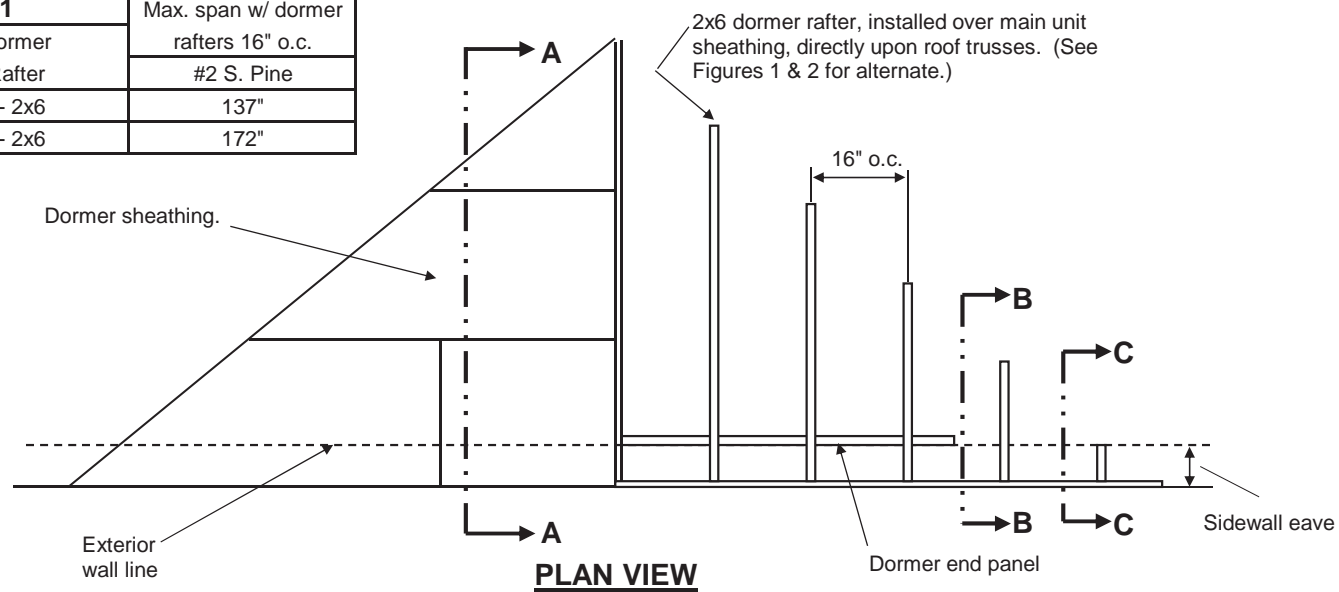
- APPLICATION NOTES:**
- 1) Apply shingles up to protrusion.
 - 2) Cut a hole in a shingle to fit tight around base of protrusion and embed it in asphalt cement.
 - 3) Install flashing around/over protrusion. Butyl caulk or sealant tape will be applied to perimeter of all flashing or a coating of asphalt cement applied to roof underlayment before stapling to roof.
 - 4) Attach flashing 4" o.c. with 16Ga.x7/16"x1" galvanized staples (alt staples: 16Ga.x1"x1" staple may be used) or 3/4" long (min.) roofing nails along edges to be overlaid with shingles. The exposed edge of the flashing should not be fastened; however, if it is, the fastener and penetration must be covered (100%) with an asphalt roof sealer. Alternately, cover exposed fasteners with a weather resistant caulking material that is compatible with the flashing material.
 - 5) After flashing is in place, resume shingle application. Cut shingles in successive courses to fit around the protrusion and embed them in asphalt cement where they overlap the flashing.
 - 6) Flashing to be 24 Ga. aluminum (min.).

DATE	
BY	
SYMB	DESCRIPTION
DRAWN BY:	ELW
DATE:	4/30/12
SCALE:	
CHECKED BY:	
SKYLINE	
ROOF SYSTEM - PENETRATIONS	
Corporate Address: 2520 By-Pass Road Elkhart, IN 46514	
SHEET NO.	13D

TABLE 1	Max. span w/ dormer rafters 16" o.c.
Dormer Rafter	#2 S. Pine
1- 2x6	137"
2- 2x6	172"



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2016.10.21
15:06:43 -04'00



NOTES:
1) When dormer rafters do not line up with main unit trusses, add a 2x8 #2 SPF / S. Pine dormer rail as shown in Figures 1 & 2. Install 3 additional roof trusses. One truss must be installed at dormer centerline (peak). The other two additional trusses shall be installed at increment from dormer centerline (16" o.c.) or double each standard truss located each side of the dormer centerline.

TOP VIEW FIGURE #1

SIDE VIEW FIGURE #2

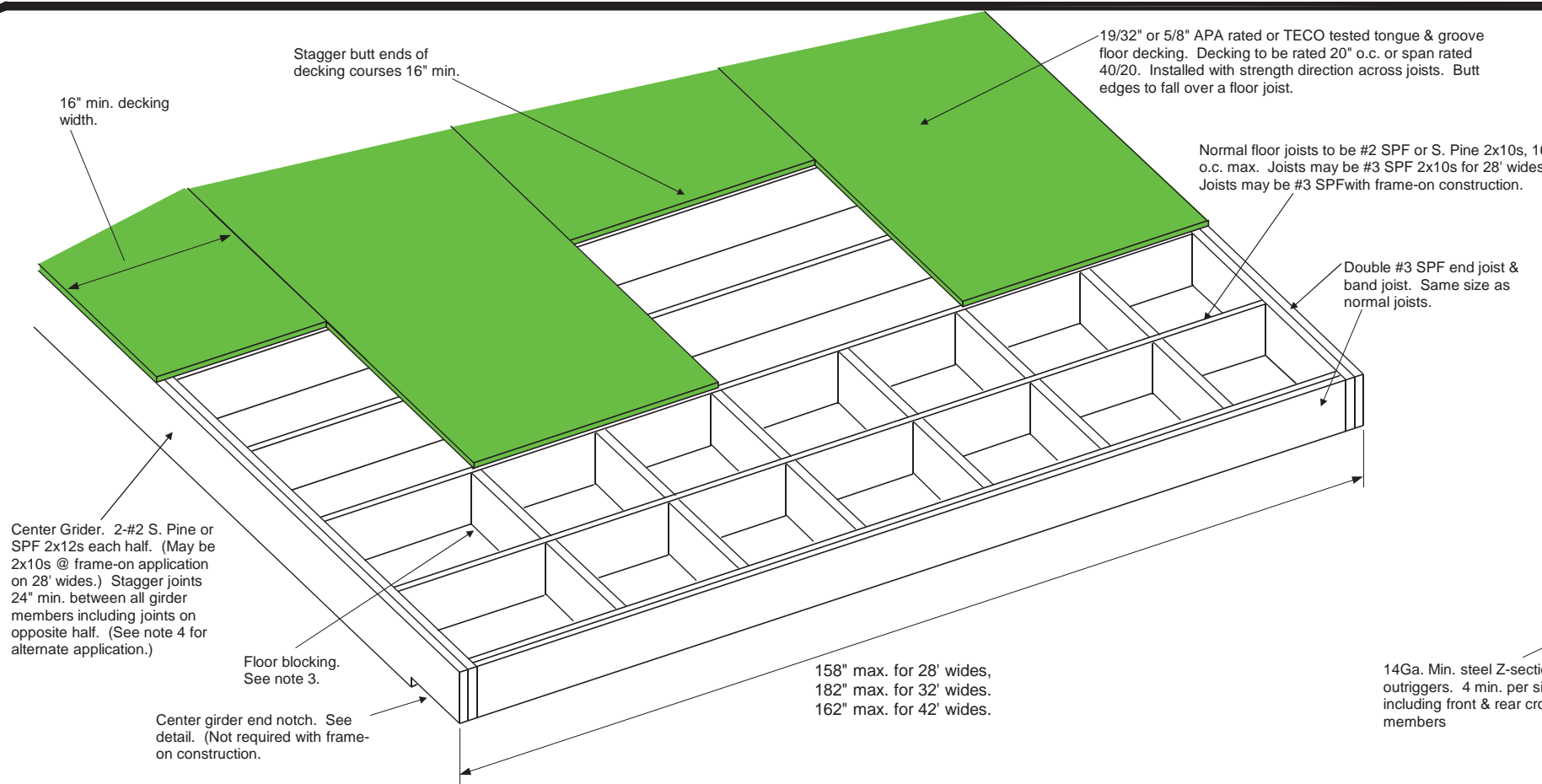
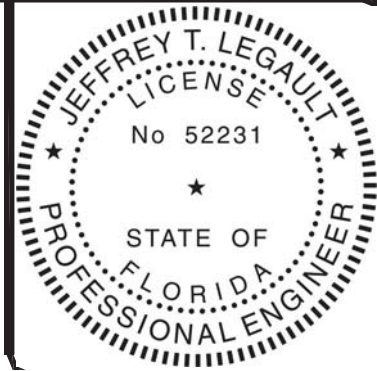
Revisions:

By: ELW
Date: 10/20/15

SKYLINE
ROOF SYSTEM - Dormers

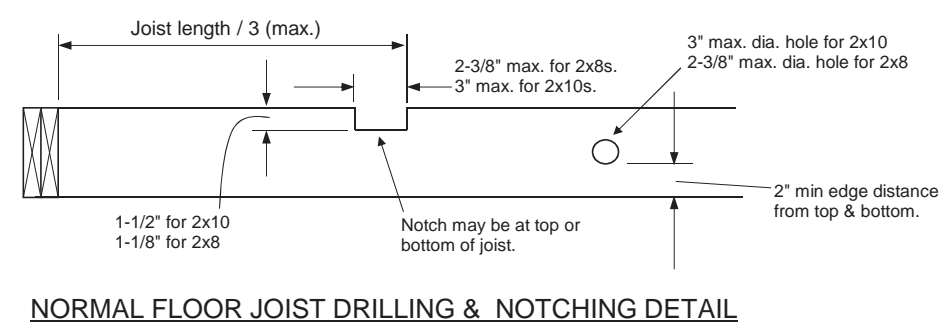
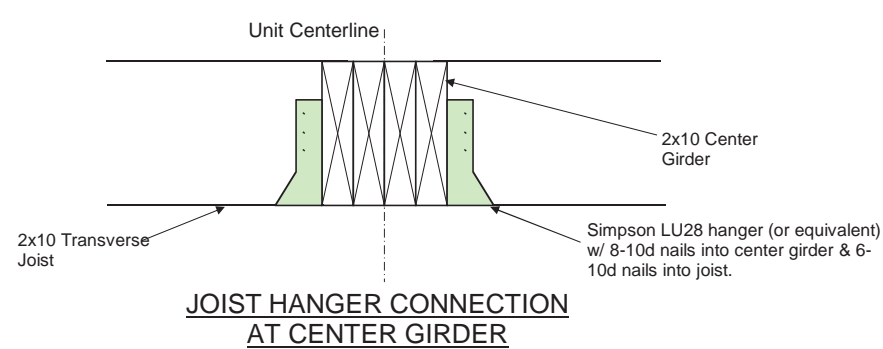
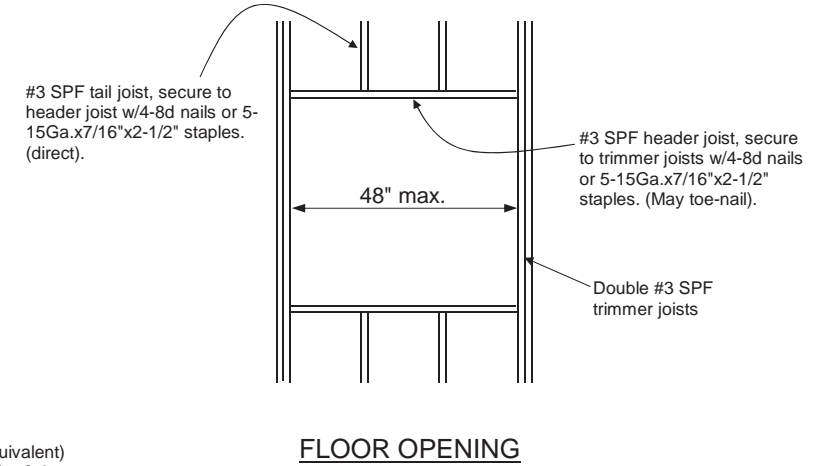
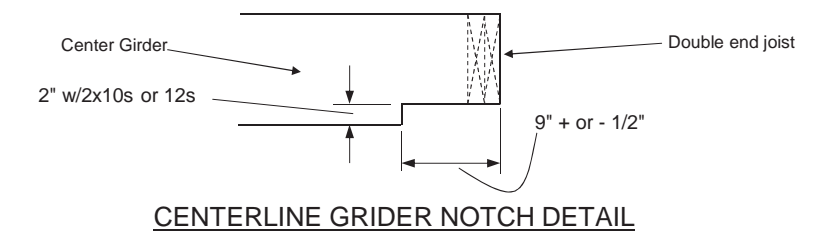
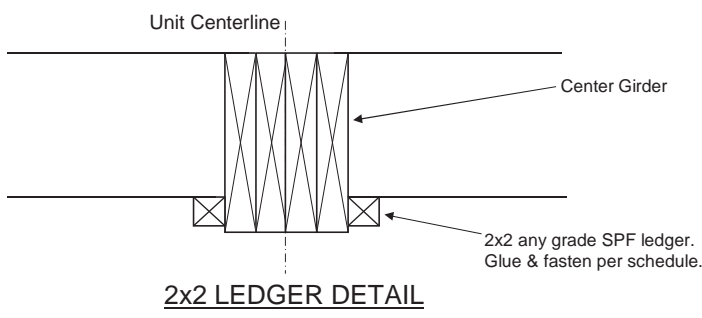
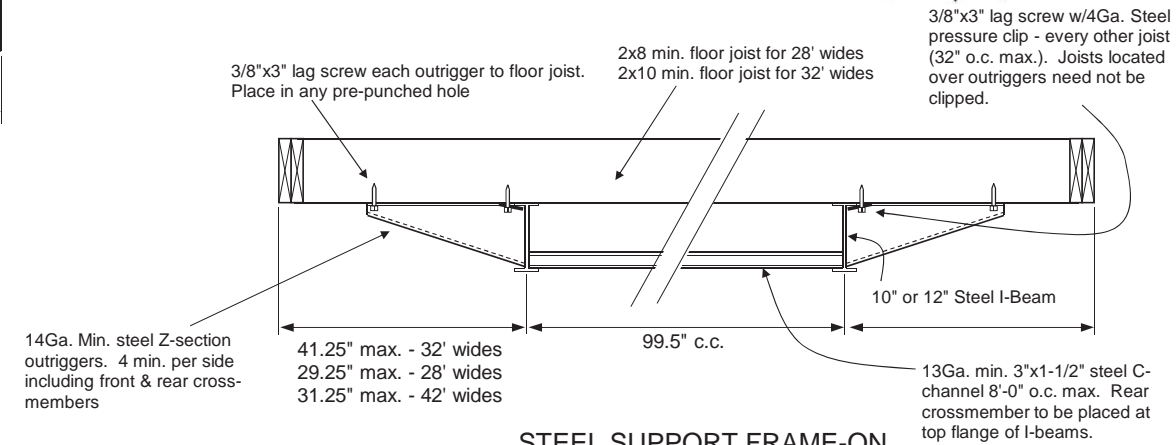
Sheet No.

13E



- Notes:**
- 1) See sheet 13 for fastening schedule.
 - 2) Main I-beams for frame on construction shall be M10x8 or M12x10.8 minimum and be A36 steel minimum.
 - 3) Full-depth floor blocking @ 24" o.c. in the first two joist spaces at each end is required.
 - 4) Center girder may be 2-#3 SPF 2x10 ea. half when home will have continuous support at the marriage line when installed on-site.
 - 5) End & band joists may be triple members when required for certain foundation applications.

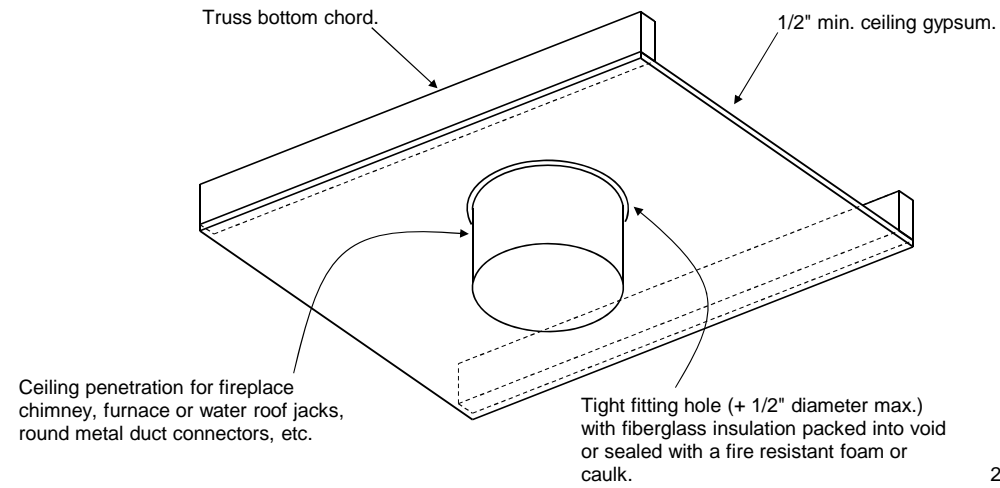
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2016.10.21 15:06:26
-04'00'



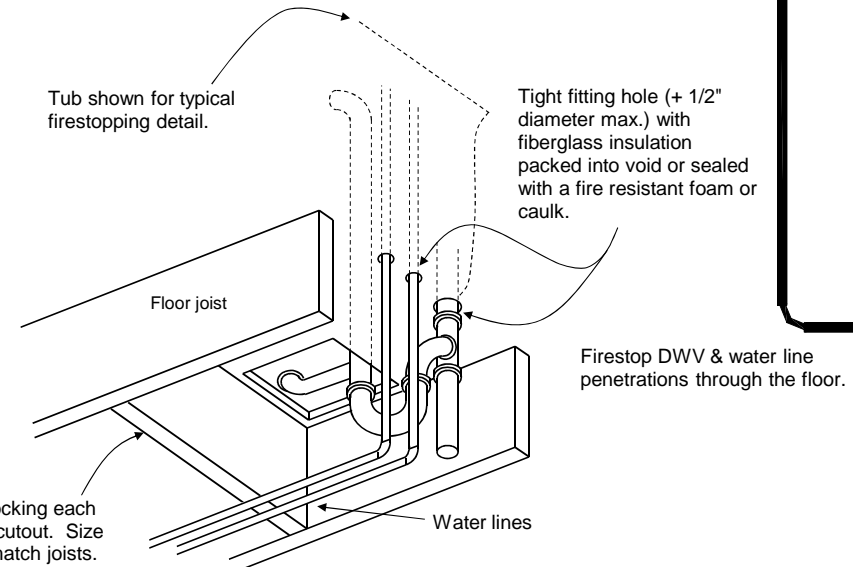
SYMB	DESCRIPTION	DATE
1	Add note 4.	11/14/13
2	Add note 5.	3/17/14
3	Add 42' wides	4/16/14
4	Revise joist and center girder species.	6/21/14

DRAWN BY: ELW
DATE: 4/27/12
SCALE:
CHECKED BY:

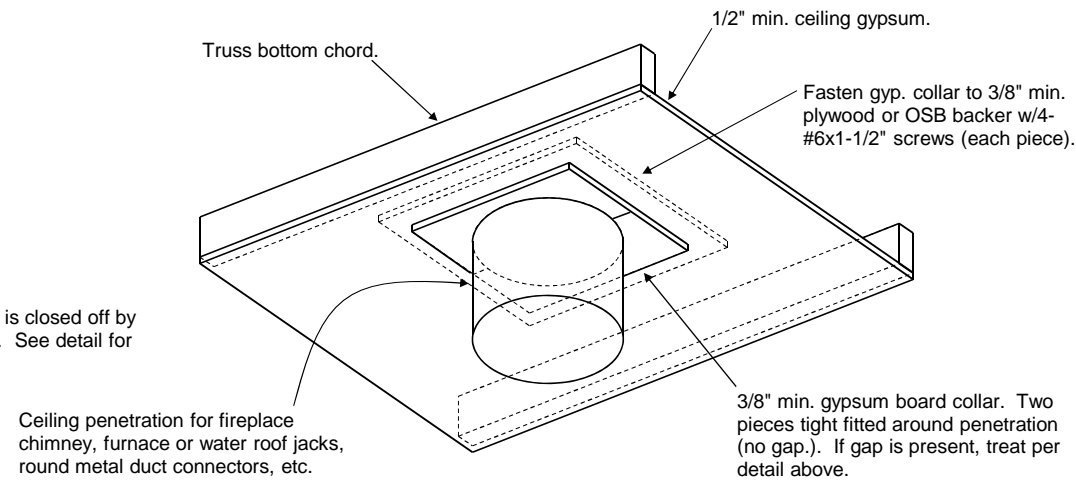
SKYLINE
FLOOR SYSTEM



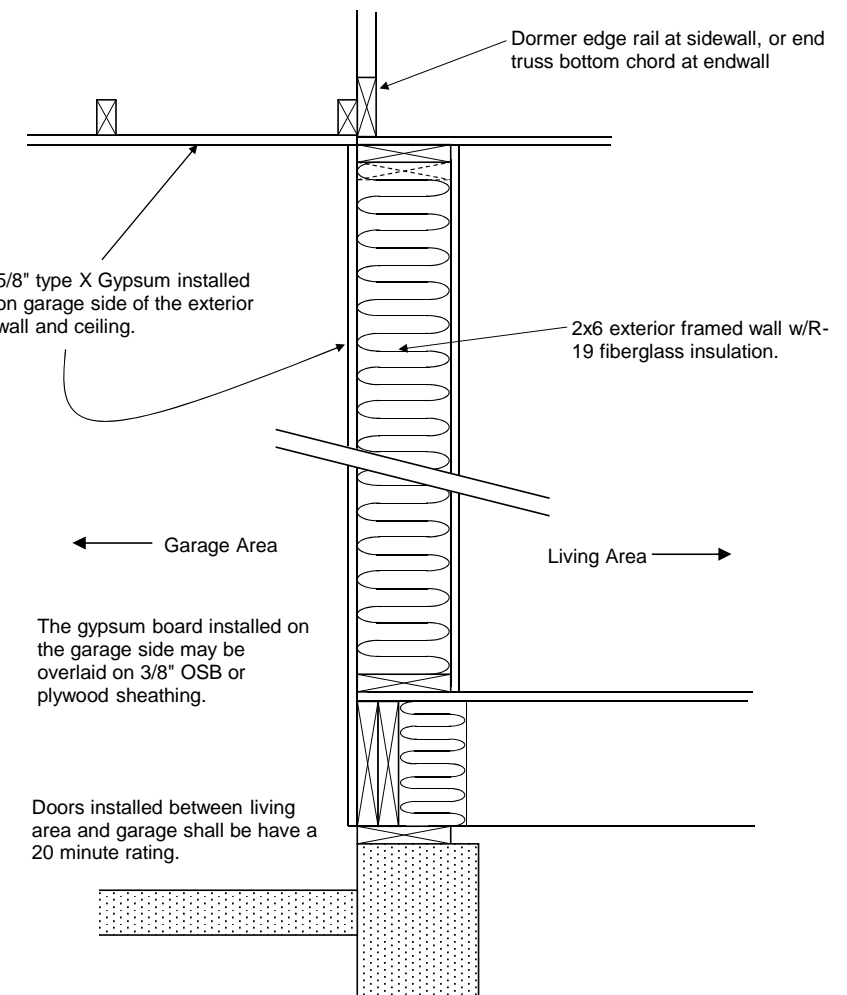
CEILING PENETRATION



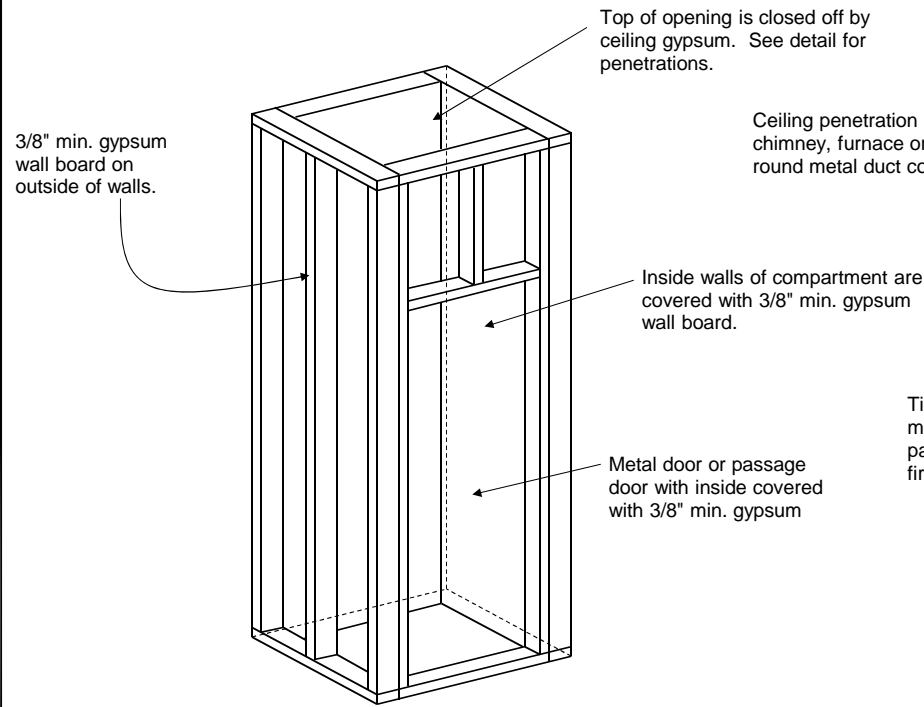
PLUMBING FIRE STOP



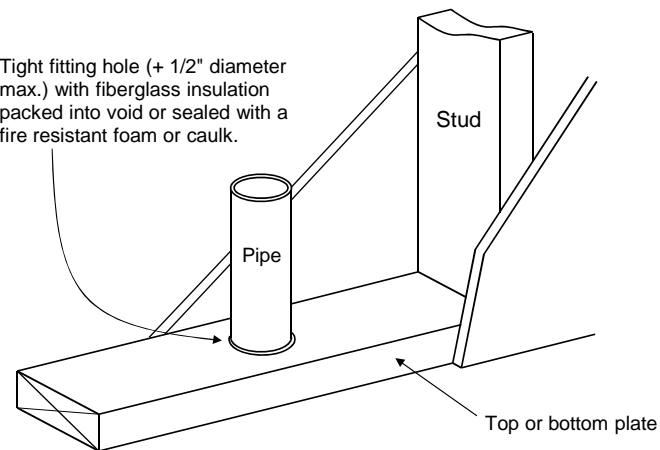
ALT. CEILING PENETRATION



SITE BUILT GARAGE FIRE SEPARATION



FURNACE OR WATER HEATER COMPARTMENT
Appliance installed on main level



CONCEALED WALL SPACE

SYMB	DESCRIPTION	DATE
BY		
DRAWN BY: ELW		DATE: 4/27/12
		SCALE:
		CHECKED BY:

SKYLINE
FIRE SEPARATION

SHEET NO. **15**

Notes:
1) Exterior walls, openings and penetrations shall have a fire separation of not less than 5 feet.

