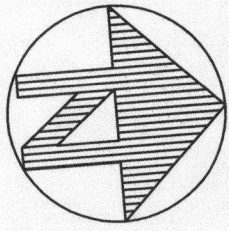


TROXEL'S HOME DESIGN

1778 SW 26TH CT.
GRESHAM, OR. 97080



IMPERVIOUS SURFACE AREA

DRIVEWAY	290 SQ FT
PATIO	64 SQ FT
PORCH	28.0 SQ FT
HOUSE (INC. EAVES)	1102 SQ FT
TOTAL	1484.0 SQ FT

LOT COVERAGE

LOT AREA	4194 SQ FT
BLDG. AREA (NIC. EAVES)	969 SQ FT
$969 / 4194 =$	23.1%
GARAGE=	210 SQ FT

LANDSCAPE

** PRECISE LOCATION AND SPECIES TO BE DETERMINED IN FIELD BY CONTRACTOR

C - GALLERY PEAR (2" CALIPER)

"PYRUS CALLERYANA"

A - AMERICAN HOPHORNBEAM (2" CALIPER)

"OSTRYA VIRGINIANA"

R - RED MAPLE (2" CALIPER)

"ACER RUBRUM"

- TREE MIN 2" CALIPER 6' TALL @ PLANTING

- SHRUBS AT LEAST 1-GALLON SIZE @ PLANTING

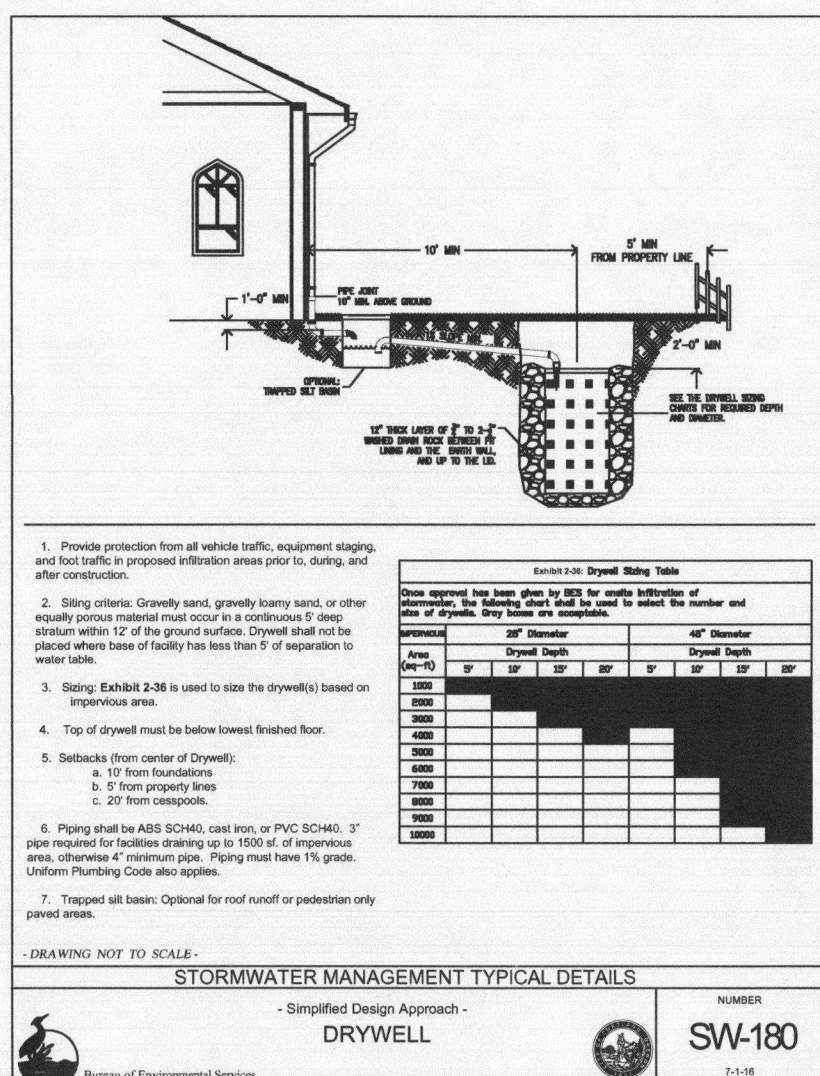
RH - RHODODENDRON (1 GAL.)

- REQUIRED MANUAL WATERING FOR THE FIRST YEAR

ENTIRE SITE COVERED IN:

-LAWN

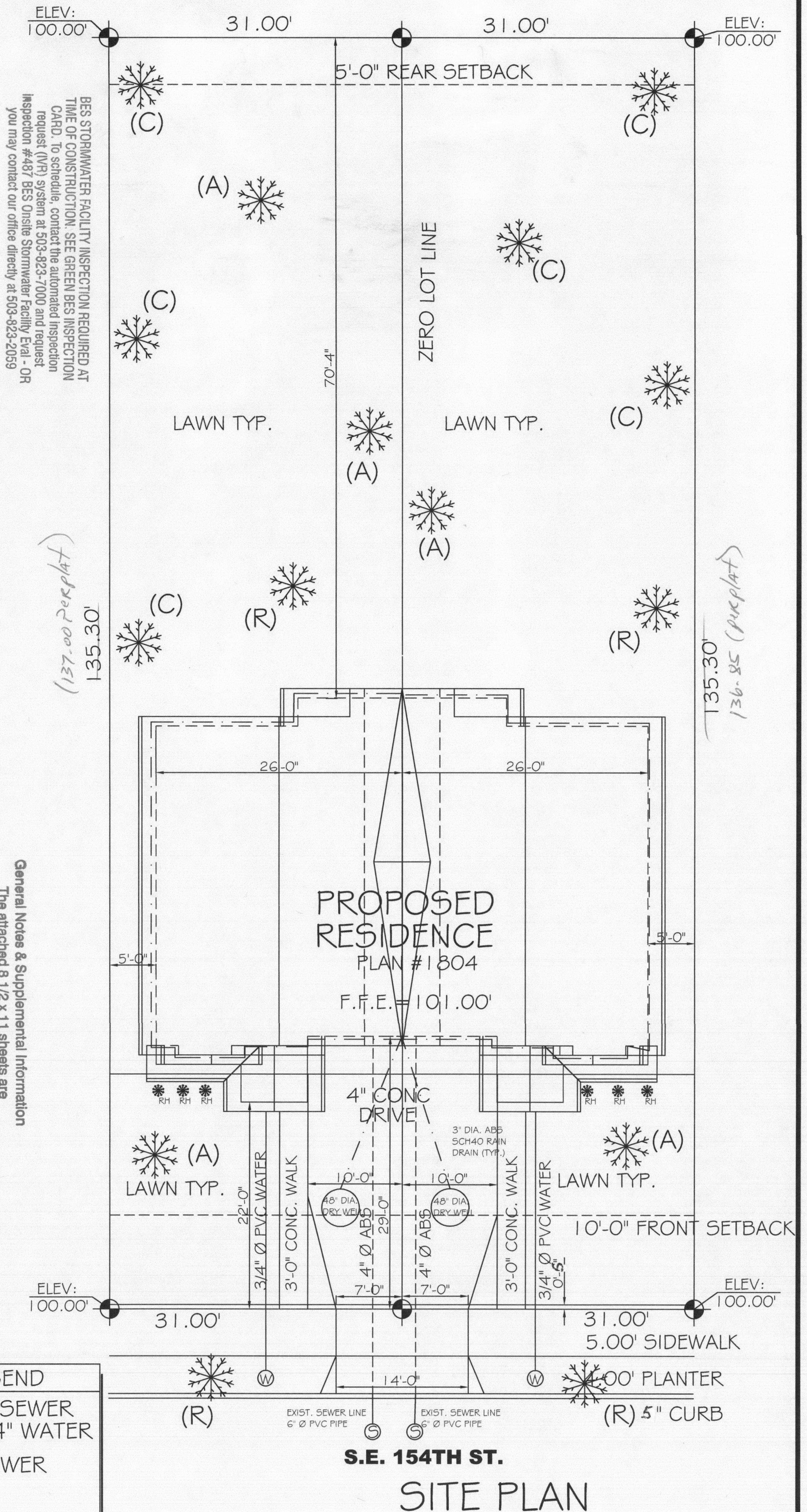
NO IRRIGATION (SELF WATERING)



BDS COMBINATION INSPECTOR APPROVAL
REQUIRED FOR DOWNSPOUTS AND PRIVATE
STORMWATER PIPING OUTSIDE OF STORM
FACILITIES.

SEPARATE SEWER CONNECTION PERMIT
REQUIRED. CONNECTION IS IN THE
PUBLIC RIGHT OF WAY.

General Notes & Supplemental Information
The attached 8 1/2 x 11 sheets are
part of this plan approval. Plans
are considered null and void without
this information attached to the
approved set of plans.



NAME: _____

DATE: **4-11-18**

SCALE: **1" = 10.00'**

PLAN: **PLAN #1804**

DRAWN BY: **DENNIS TROXEL**

ADDRESS: **413-425 S.E. 154th** **443 SE 154th Ave & 445 SE 154th Ave**

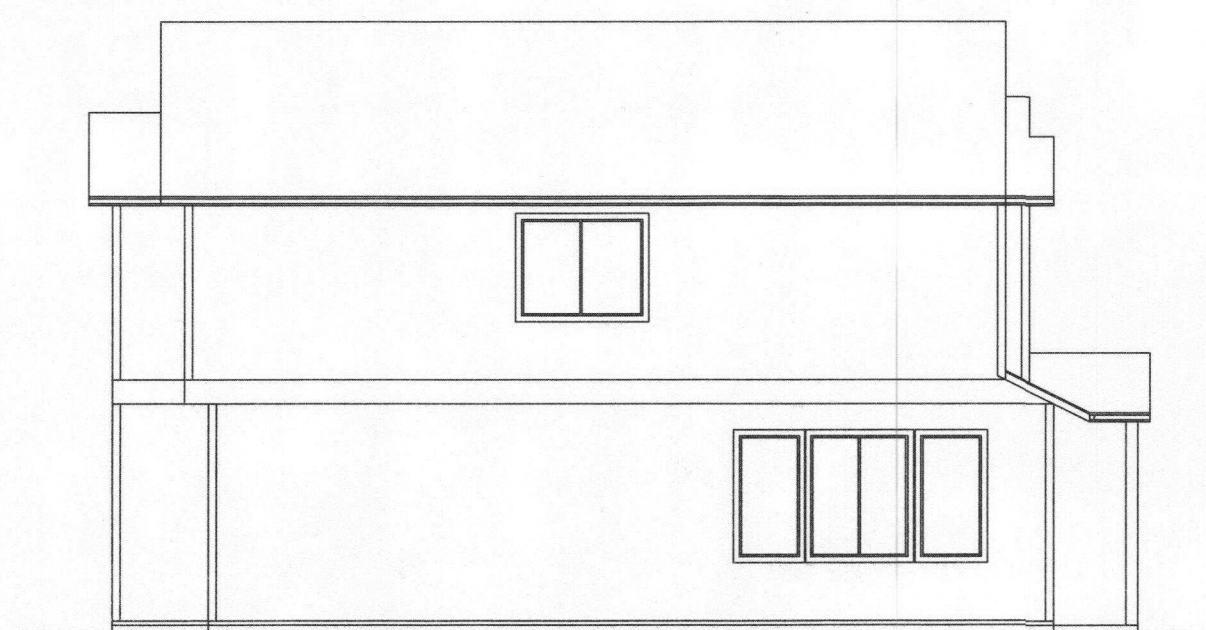
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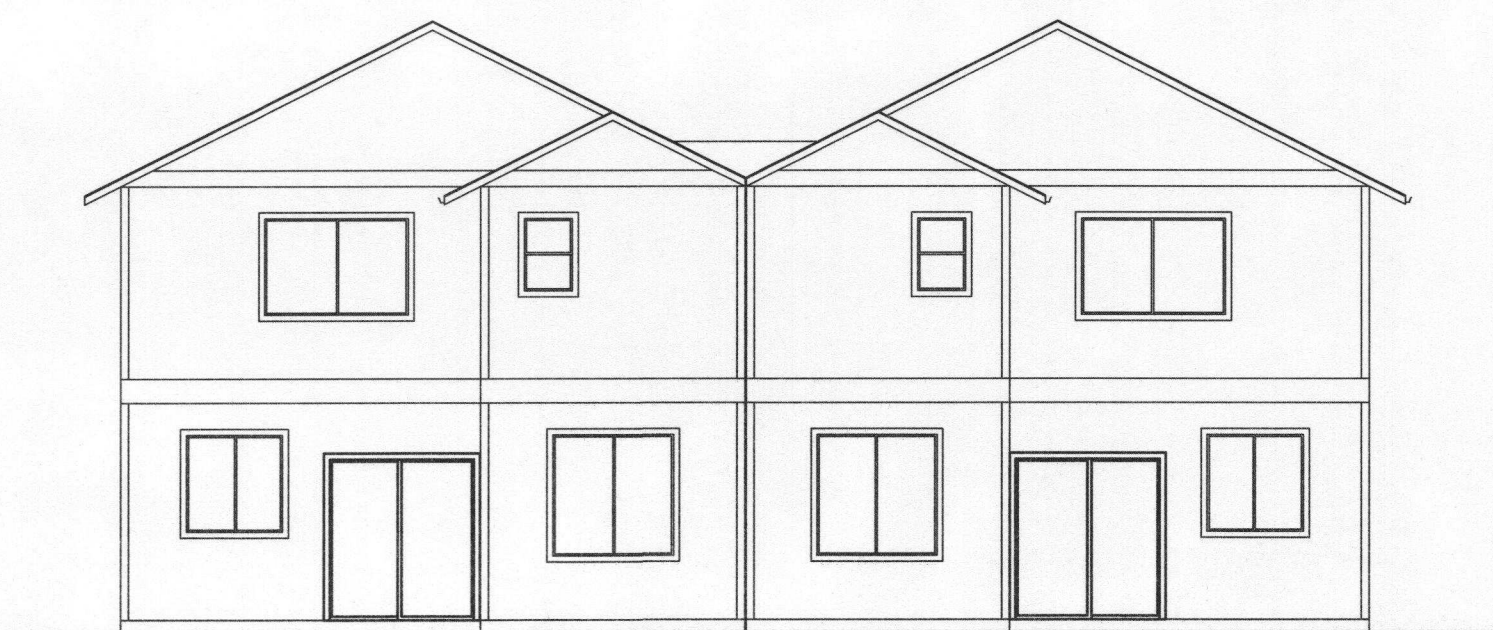
FRONT ELEVATION

SCALE: 1/4" = 1'-0"



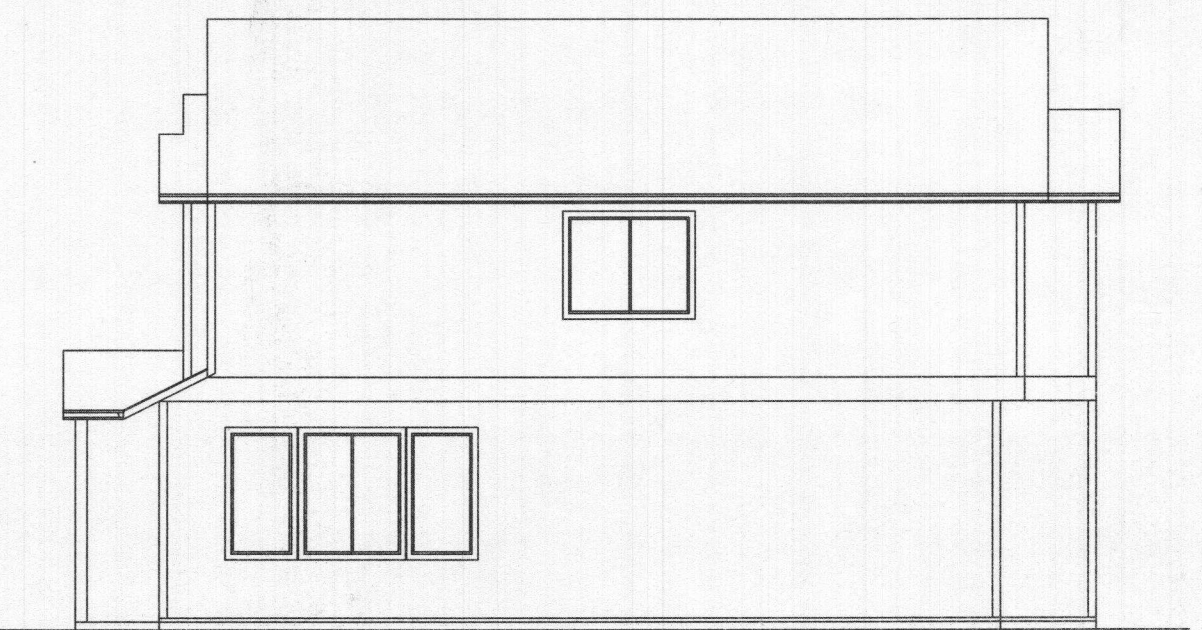
LEFT ELEVATION

SCALE: 1/8" = 1'-0"



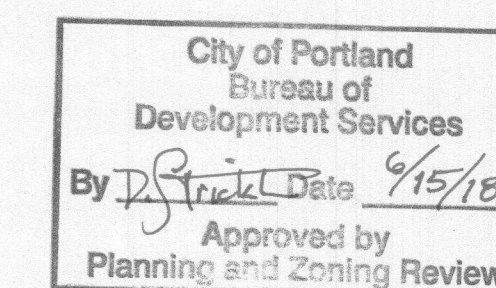
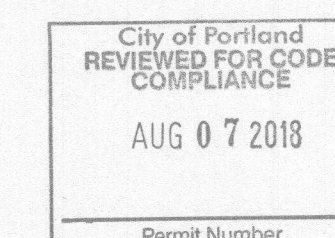
REAR ELEVATION

SCALE: 1/8" = 1'-0"



RIGHT ELEVATION

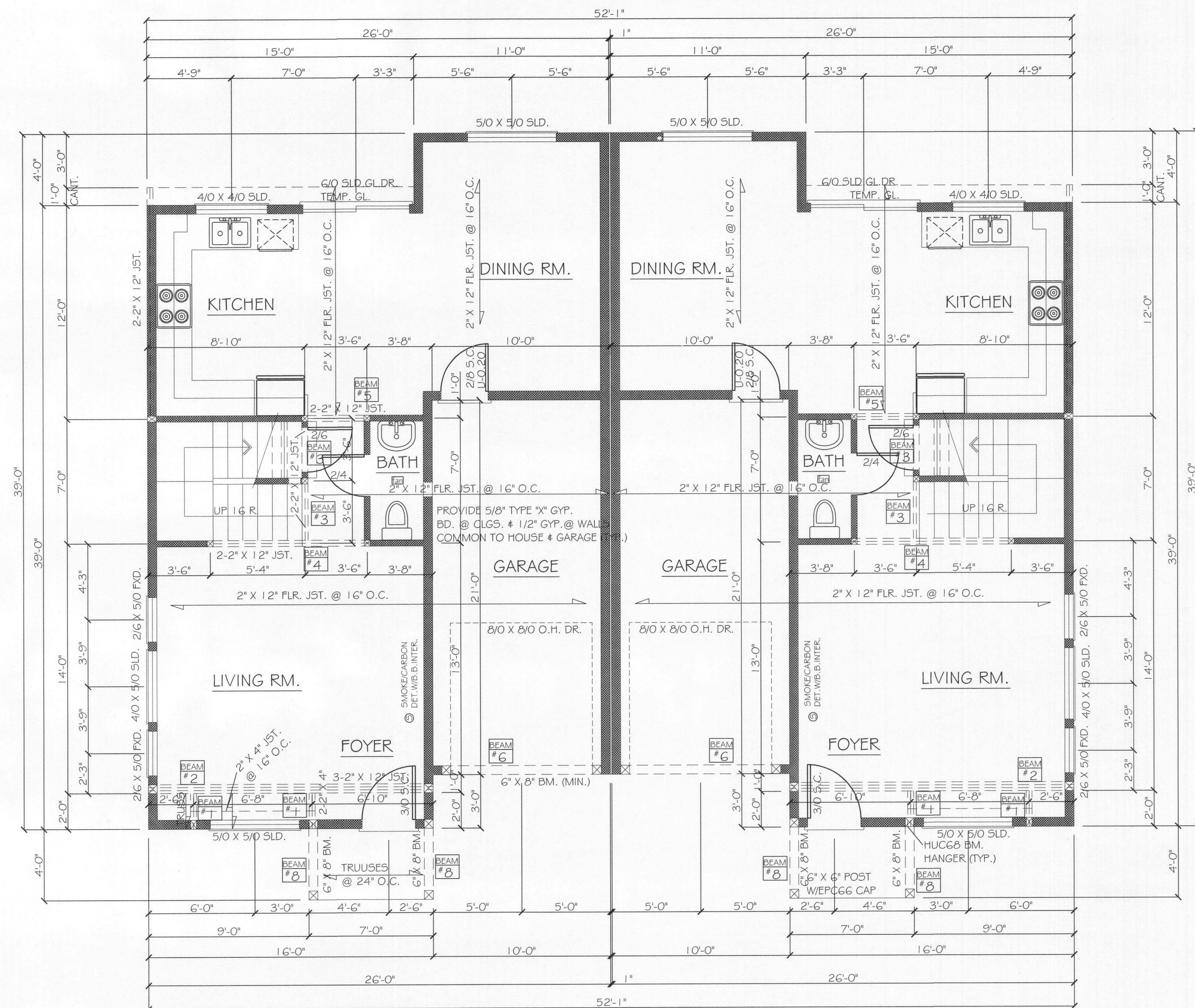
SCALE: 1/8" = 1'-0"



TROXEL'S HOME DESIGN	
SCALE: NOTED	1775 SW 26TH CT. GRESHAM, OREGON 97030 (503) 665-2684
DATE: 3/2/18	DESIGNED BY: DENNIS TROXEL
MAIN: 714 SQ FT	TOTAL: 1568 SQ FT
UPPER: 854 SQ FT	PLAN NUMBER: #1804
SHEET: 1	

Fire Code Approved Appeal #16539 Case #18-23
Require Roofs, Non-Flammable Asphalt
Shingles, Non-Combustible Siding and
Connect the Existing Street grid.

TABLE N1101.1(2) ADDITIONAL MEASURES	
ENVELOPE ENHANCEMENT MEASURE (SELECT ONE)	<div style="margin-bottom: 10px;"> <input type="checkbox"/> (1) HIGH EFFICIENCY WALLS EXTERIOR WALLS - U-0.045/R-21+R-5 CONTINUOUS </div> <div style="margin-bottom: 10px;"> <input checked="" type="checkbox"/> (2) UPGRADED FEATURES EXTERIOR WALLS - U-0.057/R-23 INTERMEDIATE OR R-21 ADVANCED. FRAMED FLOORS- U-0.026/R-36, AND WINDOWS - U-0.26 (AVERAGE UA) </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> (3) UPGRADED FEATURES EXTERIOR WALLS-U-0.055/R-23 INTERMEDIATE OR R-21 ADVANCED FLAT CEILING(S)E) - U-0.017/R-60 OR FRAMED FLOORS--U-0.026/R-36 </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> (4) SUPER INSULATED WINDOWS AND ATTIC OR FRAMED FLOORS WINDOWS--U-0.22 (TRIPLE PANE LOW E) AND FLAT CEILING (E) --U-0.017 / R-60 OR FRAMED FLOORS--U-0.026/R-36 </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> (5) AIR SEALING HOME AND DUCTS MANDATORY AIR SEALING OF ALL COVERINGS AT TOP PLATE AND AIR SEALING CHECKLIST (F), AND MECHANICAL WHOLE BUILDING VENTILATION SYSTEM WITH RATES MEETING M1503 OR ASHRAE 62.2, AND ALL DUCTS AND AIR HANDLERS CONTAINED WITHIN BUILDING ENVELOPE (D) OR ALL DUCTS SEALED WITH MASTIC (B) </div> <div> <input type="checkbox"/> (6) HIGH EFFICIENCY THERMAL ENVELOPE UA (G) PROPOSED UA IS 8 % LOWER THAN THE CODE UA </div>
CONSERVATION MEASURE (SELECT ONE)	<div style="margin-bottom: 10px;"> <input type="checkbox"/> (A) HIGH EFFICIENCY HVAC SYSTEM (A): GAS-FIRED FURNACE OR BOILER WITH MINIMUM AFUE OF 94%, OR AIR-SOURCE HEAT PUMP WITH MINIMUM HSPF OF 8.5 OR GROUND SOURCE HEAT PUMP WITH MINIMUM COP OF 3.5 OR ENERGY STAR RATED </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> (B) DUCTED HVAC SYSTEMS WITHIN CONDITIONED SPACE: ALL DUCTS AND AIR HANDLER ARE CONTAINED WITHIN BUILDING ENVELOPE (D) CANNOT BE COMBINED WITH MEASURE 5 </div> <div style="margin-bottom: 10px;"> <input checked="" type="checkbox"/> (C) DUCTLESS HEAT PUMP DUCTLESS HEAT PUMP HSPF 10.0 IN PRIMARY ZONE OF DWELLING </div> <div> <input type="checkbox"/> (D) HIGH EFFICIENCY WATER HEATER (C): NATURAL GAS /PROPANE WATER HEATER WITH UEF 0.85 OR ELECTRIC HEAT PUMP WATER HEATER TIER 1 NORTHERN CLIMATE SPECIFICATION PRODUCT </div>
<p>(A) APPLIANCES LOCATED WITHIN THE BUILDING THERMAL ENVELOPE SHALL HAVE SEALED COMBUSTION AIR INSTALLED. COMBUSTION AIR SHALL BE DUCTED DIRECTLY FROM THE OUTDOORS.</p> <p>(B) ALL DUCT JOINTS AND SEAMS SEALED WITH LISTED MASTIC; TAPE IS ONLY ALLOWED AT APPLIANCE CONNECTIONS (FOR SERVICE OR REPLACEMENT). MEET SEALING CRITERIA OF PERFORMANCE TESTED COMFORT SYSTEMS PROGRAM ADMINISTERED BY THE BONNEVILLE POWER ADMINISTRATION (BPA)</p> <p>(C) RESIDENTIAL WATER HEATERS LESS THAN 55 GALLON STORAGE VOLUME</p> <p>(D) A TOTAL OF 5 % OF AN HVAC SYSTEM'S DUCTWORK SHALL BE PERMITTED OUTSIDE OF THE CONDITIONED SPACE DUCTS LOCATED OUTSIDE OF THE CONDITIONED SPACE SHALL HAVE INSULATION INSTALLED AS REQUIRED BY CODE</p> <p>(E) THE MAXIMUM VAULTED CEILING SURFACE AREA SHALL NOT BE GREATER THAN 50% OF THE TOTAL HEATED SPACE FLOOR AREA UNLESS VAULTED AREA HAS A U-FACTOR NO GREATER THAN U-0.026</p> <p>(F) CONTINUOUS AIR BARRIER, ADDITIONAL REQUIREMENT FOR SEALING OF ALL VERTICAL COVERINGS TO TOP PLATE FRAMING, SEALING WITH FOAM GASKET, CAULK, OR OTHER APPROVED SEALANT LISTED FOR SEALING WALL COVERING MATERIAL TO STRUCTURAL MATERIAL. (EXAMPLE : GYPSUM TO WOOD STUD FRAMING)</p> <p>(G) TABLE N1104.1(1) STANDARD BASE CASE DESIGN. CODE UA SHALL BE 8% LESS THAN THE PROPOSED UA. BUILDINGS WITH PENETRATION LESS THAN 15% OF THE TOTAL VERTICAL WALL AREA MAY ADJUST THE CODE UA</p>	



ALL OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN HIGH-EFFICIACY LAMPS. SCREW IN COMPACT FLUORESCENT AND LED LAMPS COMPLY WITH THIS REQUIREMENT. THE BUILDING OFFICIAL SHALL BE NOTIFIED IN WRITING AT THE FINAL INSPECTION THAT THE PERMANENTLY INSTALLED LIGHTING FIXTURES HAVE MET THIS REQUIREMENT.

EXCEPTION: TWO PERMANENTLY INSTALLED FIXTURES ARE NOT REQUIRED TO HAVE HIGH-EFFICIACY LAMPS

ALL ELECTRICAL TO MEET OR EXCEED CURRENT MINIMUM CODE REQUIREMENTS AND IS TO BE DECIDED BY OWNER

PROVIDE DRYER VENT W/4" DIA.
MIN. THE VENT MUST REACH TO
OUTSIDE WALLS AND TERMINATE
NO CLOSER THAN 3'-0" TO ANY
OPENING INTO RESIDENCE

ALL WINDOW & EXT. DR. HEADERS
TO BE 6" X 12" UNLESS NOTED
OTHERWISE

ALL ROOMS CONTAINING BATHING
OR SPA FACILITIES SHALL BE PROVIDED
WITH MECHANICAL VENTILATION WHICH
SHALL BE DESIGNED AND INSTALLED IN
ACCORDANCE WITH SECTION M1507.4

City of Portland
REVIEWED FOR CODE
COMPLIANCE
AUG 07 2018
Permit Number

City of Portland
Bureau of
Development Services

By D. J. Smith Date 7/16/18

Approved by
Planning and Zoning Review

RECEIVED
JUL 11 2018
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DOCUMENT SERVICES

MAIN FLOOR PLAN

SCALE: 1/4" = 1'-0"

TROXEL'S HOME DESIGN

SCALE: NOTED
DATE 3/2/18

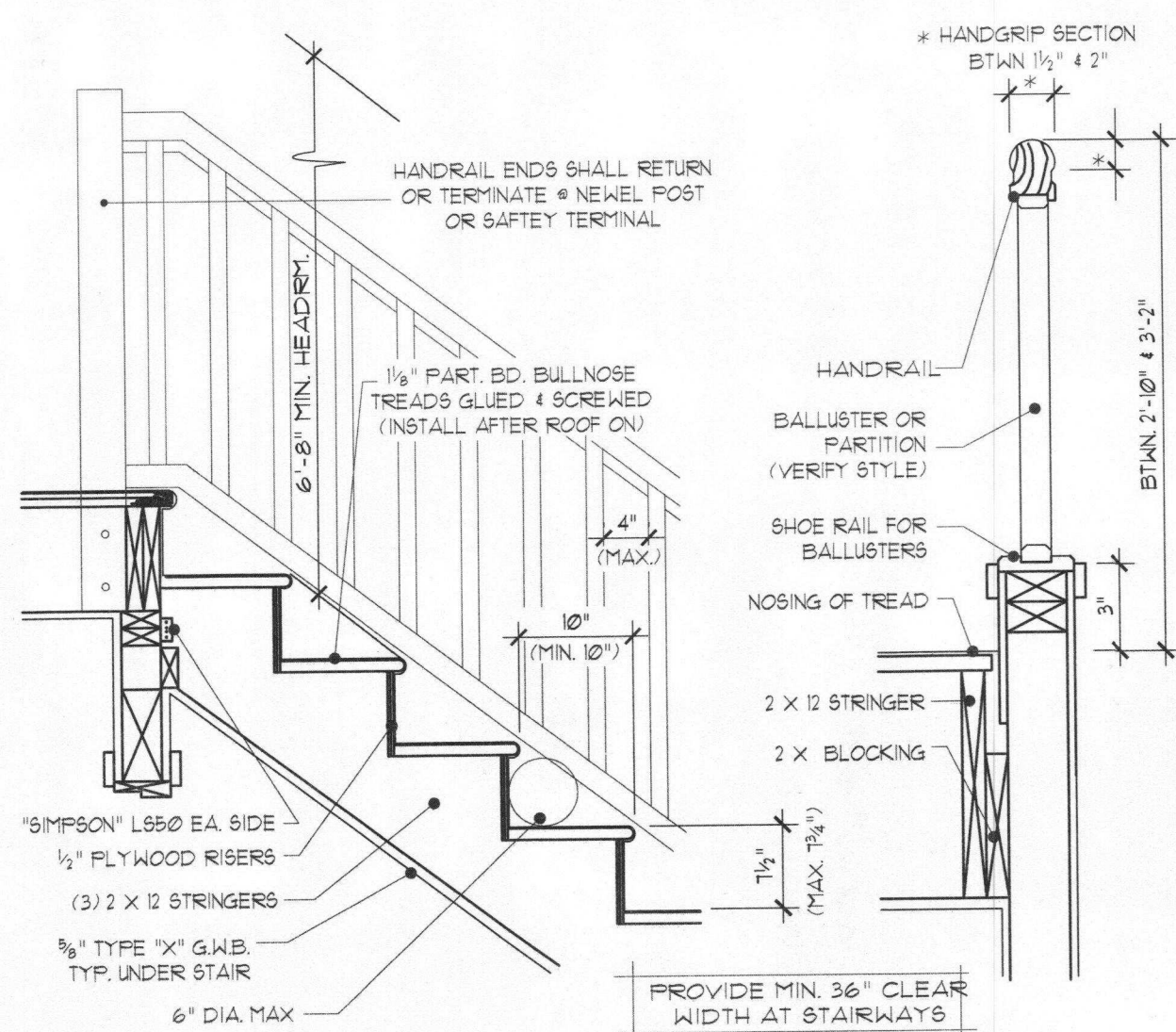
1778 SW 26TH CT.
GRESHAM, OREGON 97080
(503) 665-2684

DESIGNED BY:
DENNIS TROXEL

MAIN: 714 SQ FT
UPPER: 854 SQ FT TOTAL: 1568 SQ FT

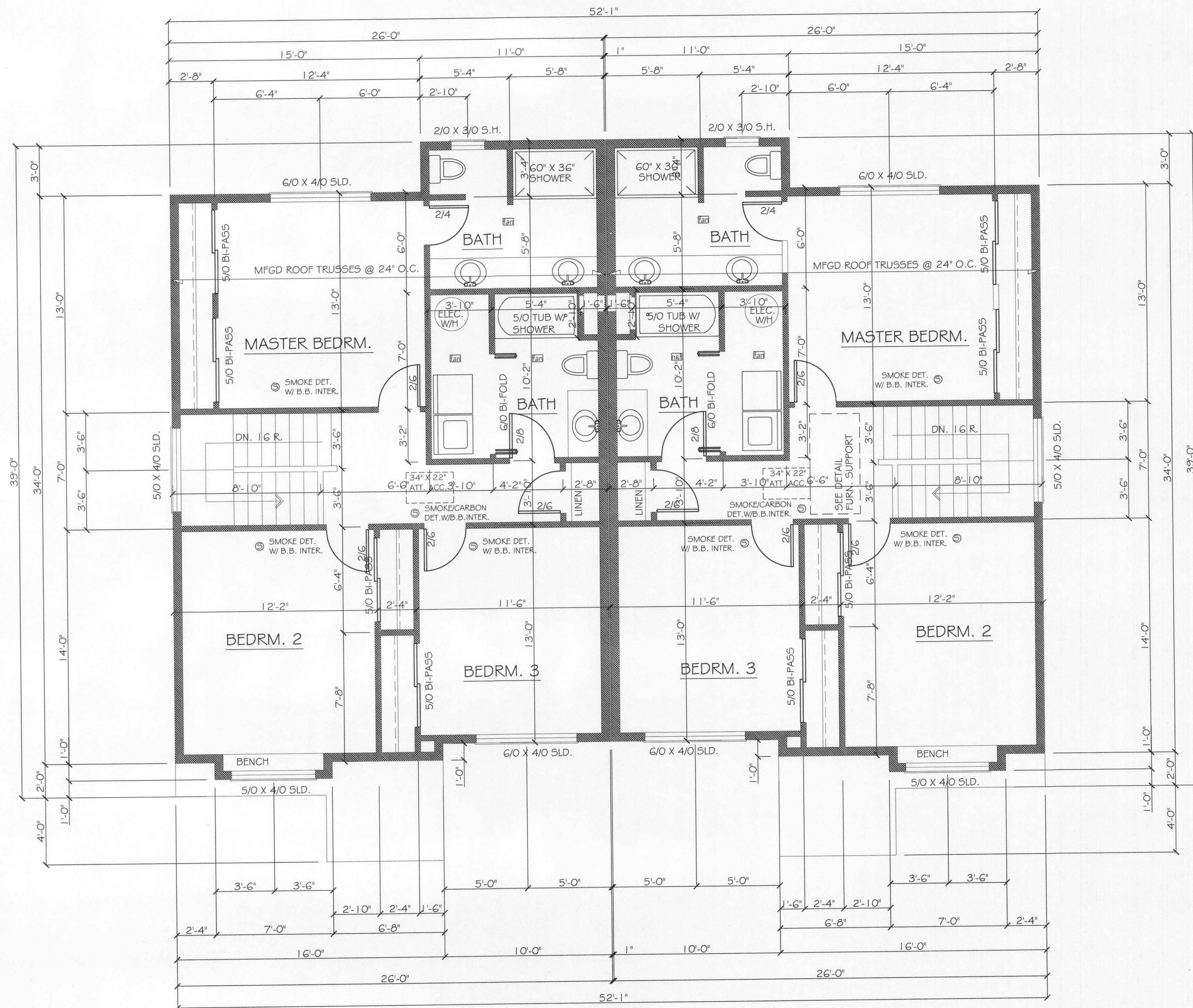
THIS PLAN SET HAS BEEN AUTHORIZED FOR THE CONSTRUCTION OF ONE BUILDING BY THE ORIGINAL PURCHASER. AUTHORIZED COPIES OF THIS PLAN MUST HAVE A RED WAXED STAMP ON ALL SHEETS.	SHEET: 2	PLAN NUMBER: #1804
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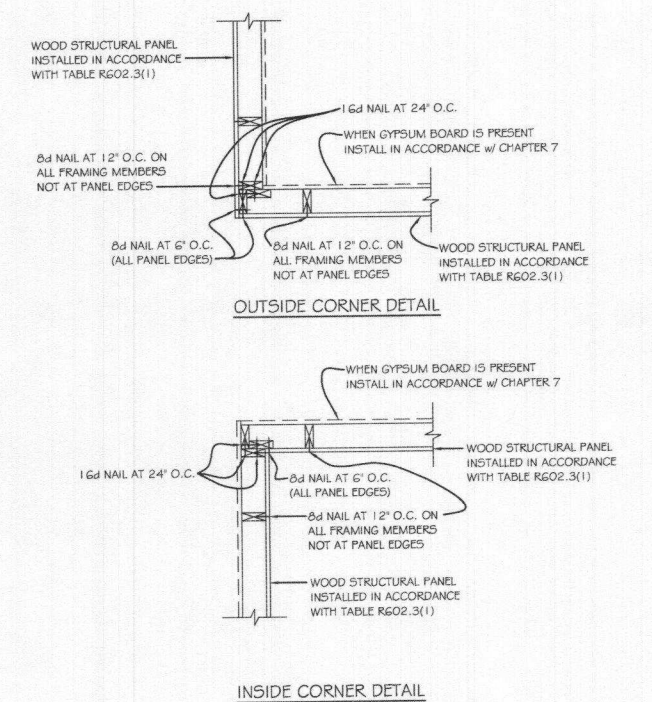
STAIR DETAIL

SCALE: 3/4" = 1'-0"



UPPER FLOOR PLAN

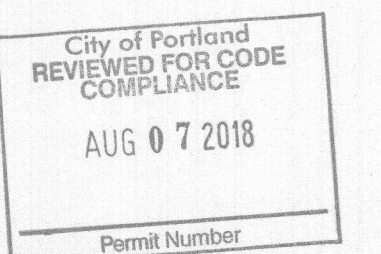
SCALE: 1/4" = 1'-0"



STRONG CORNER DETAIL
SCALE: NOT TO SCALE

INTERMEDIATE FRAMING FOR EXTERIOR WALLS

- 1) WALLS SHALL BE FRAMED W/ 2" X 6" STUDS @ 16" O.C.
- 2) CORNERS & INTERSECTIONS W/ EXTERIOR WALLS & CEILING CORNERS SHALL BE FULLY INSULATED THROUGH THE USE OF THREE-STUD CORNERS CONFIGURED TO ALLOW FULL INSULATION INTO THE CORNER, OR 2 STUD CORNERS & DRYWALL BACKUP CLIPS OR OTHER APPROVED TECHNIQUES. INTERSECTIONS OF INTERIOR PARTITION WALL W/ EXTERIOR WALLS SHALL BE FULLY INSULATED THROUGH THE USE OF SINGLE BACKER BOARDS, MID-HEIGHT BLOCKING W/ DRYWALL CLIPS OR OTHER APPROVED TECHNIQUE.
- 3) HEADERS
ALL HEADERS ON EXTERIOR WALLS LESS THAN FULL DEPTH OF WALL SHALL HAVE RIGID INSULATION EQUAL TO R-4 FOR EACH 1" OF THICKNESS LESS THAN FULL DEPTH.



TROXEL'S HOME DESIGN			
SCALE: NOTED	1770 SW 26TH CT. GRESHAM, OREGON 97030 (503) 665-2684	DESIGNED BY: DENNIS TROXEL	
DATE: 3/2/18	MAIN: 714 SQ FT UPPER: 854 SQ FT	TOTAL: 1568 SQ FT	
THIS PLAN SET HAS BEEN AUTHORIZED FOR THE CONSTRUCTION OF ONE BUILDING BY THE ORIGINAL PURCHASER. AUTHORIZED COPIES OF THIS PLAN MUST HAVE A RED INKED STAMP ON ALL SHEETS.		SHEET: 3	PLAN NUMBER: #1804

RADON MITIGATION SYSTEM: AF101

CRAWL SPACE REQ.

- ☒ (1) **PASSIVE SUB-MEMBRANE DEPRESSURIZATION SYSTEM**
VENTILATION: CRAWL SPACES SHALL BE PROVIDED WITH VENTS TO THE EXTERIOR OF THE BUILDING THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL COMPLY WITH SECTION R408.1 OF THIS CODE. SOIL-GAS-RETARDER: THE SOIL IN CRAWL SPACES SHALL BE COVERED WITH A CONTINUOUS LAYER OF MINIMUM 6-MIL (0.15 MM) POLYETHYLENE SOIL-GAS-RETARDER. THE GROUND COVER SHALL BE LAPPED A MINIMUM OF 12 INCHES (305 MM) AT JOINTS AND SHALL EXTEND TO ALL FOUNDATION WALLS ENCLOSING THE CRAWL SPACE AREA. VENT PIPE: A PLUMBING TEE OR OTHER APPROVED CONNECTION SHALL BE INSERTED HORIZONTALLY BENEATH THE SHEETING AND CONNECTED TO A 3- OR 4-INCH-DIAMETER (76 MM OR 102 MM) FITTING WITH A VERTICAL VENT PIPE INSTALLED THROUGH THE SHEETING. THE VENT PIPE SHALL BE EXTENDED UP THROUGH THE BUILDING FLOORS, TERMINATE AT LEAST 12 INCHES (305 MM) ABOVE THE ROOF IN A LOCATION AT LEAST 10 FEET (3048 MM) AWAY FROM ANY WINDOW OR OTHER OPENING INTO THE CONDITIONED SPACES OF THE BUILDING THAT IS LESS THAN 2 FEET (610 MM) BELOW THE EXHAUST POINT, AND 10 FEET (3048 MM) FROM ANY WINDOW OR OTHER OPENING IN ADJOINING OR ADJACENT BUILDINGS.
- ☐ (2) **CRAWL SPACE VENTILATION AND BUILDING TIGHTNESS**
VENTILATION: CRAWL SPACES SHALL BE PROVIDED WITH VENTS TO THE EXTERIOR OF THE BUILDING THAT COMPLY WITH SECTION R408.1 OF THIS CODE. THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQ. FT. (0.0929 M2) FOR EACH 150 SQ. FT. (14 M2) OF UNDERFLOOR SPACE AREA. VENTILATION OPENINGS: VENTILATION OPENINGS SHALL COMPLY WITH SECTION R408.2, OPERABLE LOUVERS, DAMPERS, OR OTHER MEANS TO TEMPORARILY STOP THE VENTILATION SHALL NOT BE PERMITTED. BUILDING TIGHTNESS: DWELLINGS SHALL BE TESTED WITH A BLOWER DOOR, DEPRESSURIZING THE DWELLING TO 50 PASCALES FROM AMBIENT CONDITIONS AND FOUND TO EXHIBIT NO MORE THAN 5.0 AIR CHANGES PER HOUR. A MECHANICAL EXHAUST, SUPPLY, OR COMBINATION VENTILATION SYSTEM PROVIDING WHOLE-BUILDING VENTILATION RATES SPECIFIED IN TABLE N1101.1(3) OR ASHRAE 62.2 SHALL BE INSTALLED WITHIN THE DWELLING UNIT.
- ☐ (3) **MECHANICAL CRAWL SPACE VENTILATION**
INSTALL A CONTINUOUSLY OPERATED VENTILATION FAN. THE SYSTEM SHALL BE DESIGNED TO HAVE A CAPACITY TO EXHAUST A MINIMUM OF 1.0 cfm (0.5 Us) FOR EACH 50 SQUARE FEET (4.6 U) OF UNDERFLOOR AREA. POTENTIAL RADON ENTRY ROUTES SHALL BE CLOSED IN ACCORDANCE WITH SECTIONS AF103.4.1 THROUGH AF103.4.10.

SLAB REQ.

AF103.6 PASSIVE SUBSLAB DEPRESSURIZATION SYSTEM.

IN BASEMENT OR SLAB-ON-GRADE BUILDINGS, THE FOLLOWING COMPONENTS OF A PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM SHALL BE INSTALLED DURING CONSTRUCTION.

AF106.3.1 VENT PIPE.

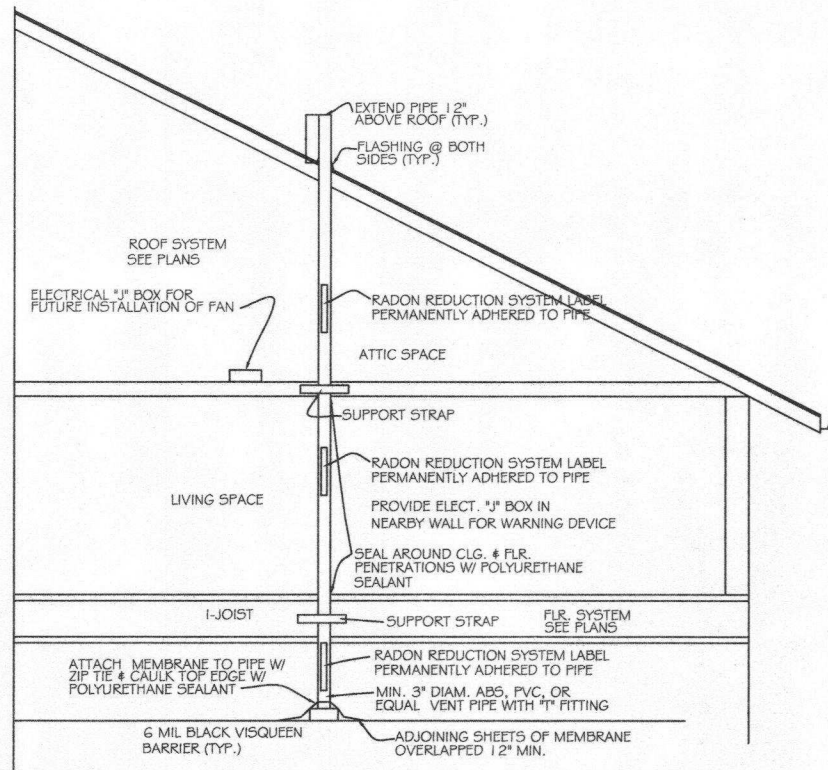
A MINIMUM 3-INCH-DIAMETER (76 MM) ABS, PVC OR EQUIVALENT GAS-TIGHT PIPE SHALL BE EMBEDDED VERTICALLY INTO THE SUB-SLAB AGGREGATE OR OTHER PERMEABLE MATERIAL BEFORE THE SLAB IS CAST. (SELECT ONE OF THE FOLLOWING)

- ☐ (1) A 1" FITTING OR EQUIVALENT METHOD SHALL BE USED TO ENSURE THAT THE PIPE OPENING REMAINS WITHIN THE SUB-SLAB PERMEABLE MATERIAL.
- ☐ (2) A 3-INCH (76 MM) PIPE SHALL BE INSERTED DIRECTLY INTO AN INTERIOR PERIMETER DRAIN TILE LOOP.
- ☐ (3) OR THROUGH A SEALED SUMP COVER WHERE THE SUMP IS EXPOSED TO THE SUB-SLAB AGGREGATE OR CONNECTED TO IT THROUGH A DRAINAGE SYSTEM.

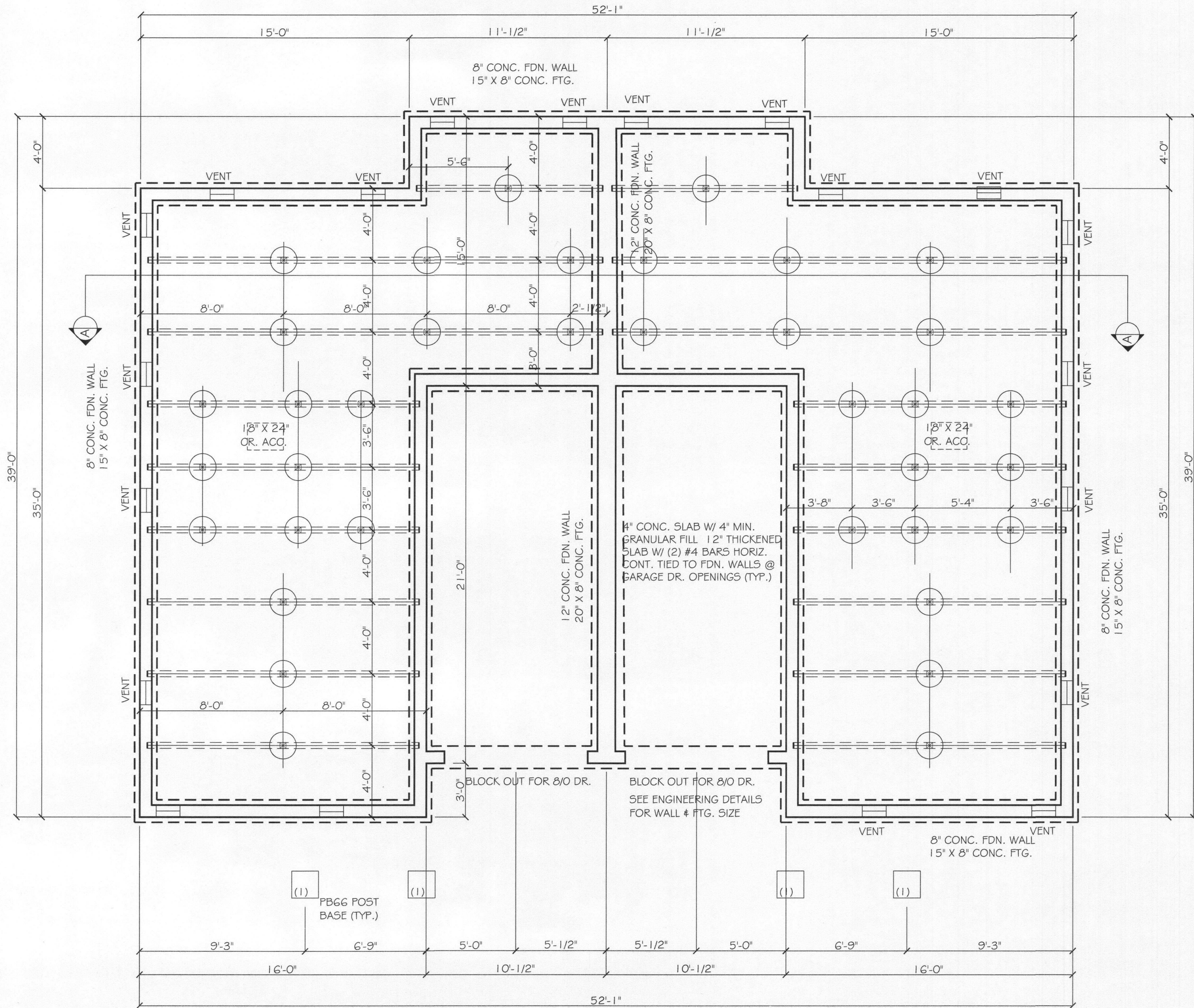
THE PIPE SHALL BE EXTENDED UP THROUGH THE BUILDING FLOORS, TERMINATE AT LEAST 12 INCHES (305 MM) ABOVE THE SURFACE OF THE ROOF IN A LOCATION AT LEAST 10 FEET (3048 MM) AWAY FROM ANY WINDOW OR OTHER OPENING INTO THE CONDITIONED SPACES OF THE BUILDING THAT IS LESS THAN 2 FEET (610 MM) BELOW THE EXHAUST POINT, AND 10 FEET (3048 MM) FROM ANY WINDOW OR OTHER OPENING IN ADJOINING OR ADJACENT BUILDINGS.

AF103.6.2 MULTIPLE VENT PIPES.

IN BUILDINGS WHERE INTERIOR FOOTINGS OR OTHER BARRIERS SEPARATE THE SUB-SLAB AGGREGATE OR OTHER GAS-PERMEABLE MATERIAL, EACH AREA SHALL BE FITTED WITH AN INDIVIDUAL VENT PIPE. VENT PIPES SHALL CONNECT TO A SINGLE VENT THAT TERMINATES ABOVE THE ROOF OR EACH INDIVIDUAL VENT PIPE SHALL TERMINATE SEPARATELY ABOVE THE ROOF.



RADON DETAIL
NOT TO SCALE



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

FOOTING SYMBOL	FOOTING SIZE	REINF. SPECS.
1	18 x 18 x 8 CONC. FTG.	NONE
2	24 x 24 x 10 CONC. FTG.	(2) #4 BARS EACH WAY
3	30 x 30 x 10 CONC. FTG.	(3) #4 BARS EACH WAY
4	33 x 33 x 10 CONC. FTG.	(3) #4 BARS EACH WAY
5	36 x 36 x 10 CONC. FTG.	(3) #4 BARS EACH WAY
6	39 x 39 x 10 CONC. FTG.	(3) #4 BARS EACH WAY
7	42 x 42 x 10 CONC. FTG.	(4) #4 BARS EACH WAY
8	45 x 45 x 10 CONC. FTG.	(4) #4 BARS EACH WAY
9	48 x 48 x 10 CONC. FTG.	(4) #5 BARS EACH WAY
10	51 x 51 x 10 CONC. FTG.	(4) #5 BARS EACH WAY
11	54 x 54 x 12 CONC. FTG.	(4) #5 BARS EACH WAY
12	57 x 57 x 12 CONC. FTG.	(4) #5 BARS EACH WAY
13	60 x 60 x 12 CONC. FTG.	(5) #5 BARS EACH WAY

NOTES:
1: FOOTING REINFORCING TO BE LOCATED 3" CLEAR FROM BOTTOM OF FOOTING.
2: IF FOOTING IS POURED INTEGRALLY WITH SLAB, SLAB THICKNESS MAY BE INCLUDED IN FOOTING DEPTH REQTS.
3: 28-DAY MINIMUM CONCRETE STRENGTH = 2500psi.
4: REINFORCING STEEL: ASTM A615 GR. 60.

GENERAL NOTES:

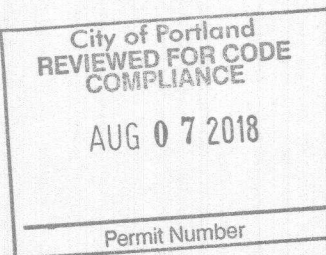
4" X 8" GIRDERS ON
4" X 4" POST ON
18" RD. X 8" CONC. FTG.

PROVIDE 3" MIN. BRG. @ BM. POCKET
ON 55# A.S. FELT W/ 1/2" AIR SPACE @
SIDES AND ENDS (TYP.)

COVER ENTIRE AREA AND 12" UP
WALLS W/ 6 MIL BLACK POLY AND
PROVIDE 18" MIN. BM. TO GRADE CLEARANCE

ALL WOOD IN DIRECT CONTACT W/ CONC. TO
BE P.T. WOOD (TYP.)

PROVIDE LOW AREA DRAIN (TYP.)



TROXEL'S HOME DESIGN

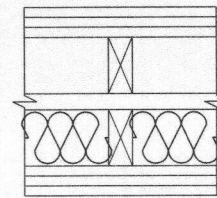
SCALE: NOTED
DATE: 3/2/18
DESIGNED BY: DENNIS TROXEL
1778 SW 26TH CT.
GRESHAM, OREGON 97080
(503) 665-2684

MAIN: 714 SQ FT
UPPER: 854 SQ FT
TOTAL: 1568 SQ FT

THIS PLAN SET HAS BEEN AUTHORIZED FOR THE CONSTRUCTION OF ONE BUILDING BY THE ORIGINAL PURCHASER. AUTHORIZED COPIES OF THIS PLAN MUST HAVE A RED INKED STAMP ON ALL SHEETS.
SHEET: 4
PLAN NUMBER: #1804

WP 3820

1/2" PLYWD. SHEATHING
BASE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO EACH SIDE OF DOUBLE ROW OF 2X4 WOOD STUDS 16" O.C. ON SEPARATE PLATES 1" APART WITH 6d COATED NAILS, 1 7/8" LONG, 0.085" SHANK, 1/4" HEADS, 24" O.C. FACE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO EACH SIDE WITH 8d COATED NAILS, 2 3/8" LONG, 0.100" SHANK, 1/4" HEADS, 8" O.C.
JOINTS STAGGERED 16" EACH LAYER AND SIDE. SOUND TESTED WITH 3 1/2" GLASS FIBER INSULATION STAPLED TO STUDS IN STUD SPACES ON ONE SIDE AND WITH NAILS FOR BASE LAYER SPACED 6" O.C. 2X6 HORIZONTAL BRACING REQUIRED AT MID-HEIGHT OF WALL. (LOAD BEARING)



2 1 HR. RATED WALLS TO BE CONT. FROM FLR. SYSTEM TO ROOF SHTHG. AND CONT. BEHIND TUBS, SHOWERS, CABINETS, ELECTRICAL PANELS, AND ETC.

ALL CRICKETS OVER 30" IN HEIGHT MUST BE RATED.
ANY CRICKET LESS THAN 30" THE BUILDER HAS CHOICE AS NOTED BELOW.

IF USING UNRATED CRICKET, PROVIDE 2-LAYERS OF TYPE "X" GYP. BD. AT CLG. FOR A MIN. OF 48" FROM PROPERTY LINE OR FIRE RESISTIVE PLYWD. 48" FROM LINE OR 3/8" MIN. PLYWD. ON 1/2" GYP. BD. ON 1/2" CDX. PLYWD SHTHG. 48" FROM LINE

IF USING RATED CRICKET, THEN CRICKET MUST HAVE FIRE RETARDANT TREATED PLYWD. OR TYPE "X" GYP. BD. FOR 48" FROM PROPERTY LINE.

PROVIDE 1/8" GAP (RAIN SCREENS) BEHIND THE SIDING & FLASHING @ THE WINDOWS BY USING ONE LAYER OF #15 ASPHALT FELT, FREE FROM HOLES OR BREAKS & COMPLYING W/ASTM D 226 FOR TYPE 1 FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER PER MFGS. SPECS.

PRIOR TO INSTALLATION OF INTERIOR FINISHES ALL MOISTURE -SENSITIVE WOOD FRAMING MEMBERS USED IN CONSTRUCTION MUST HAVE A MOISTURE CONTENT OF NOT MORE THAN 19% OF THE WEIGHT OF DRY WOOD FRAMING MEMBERS

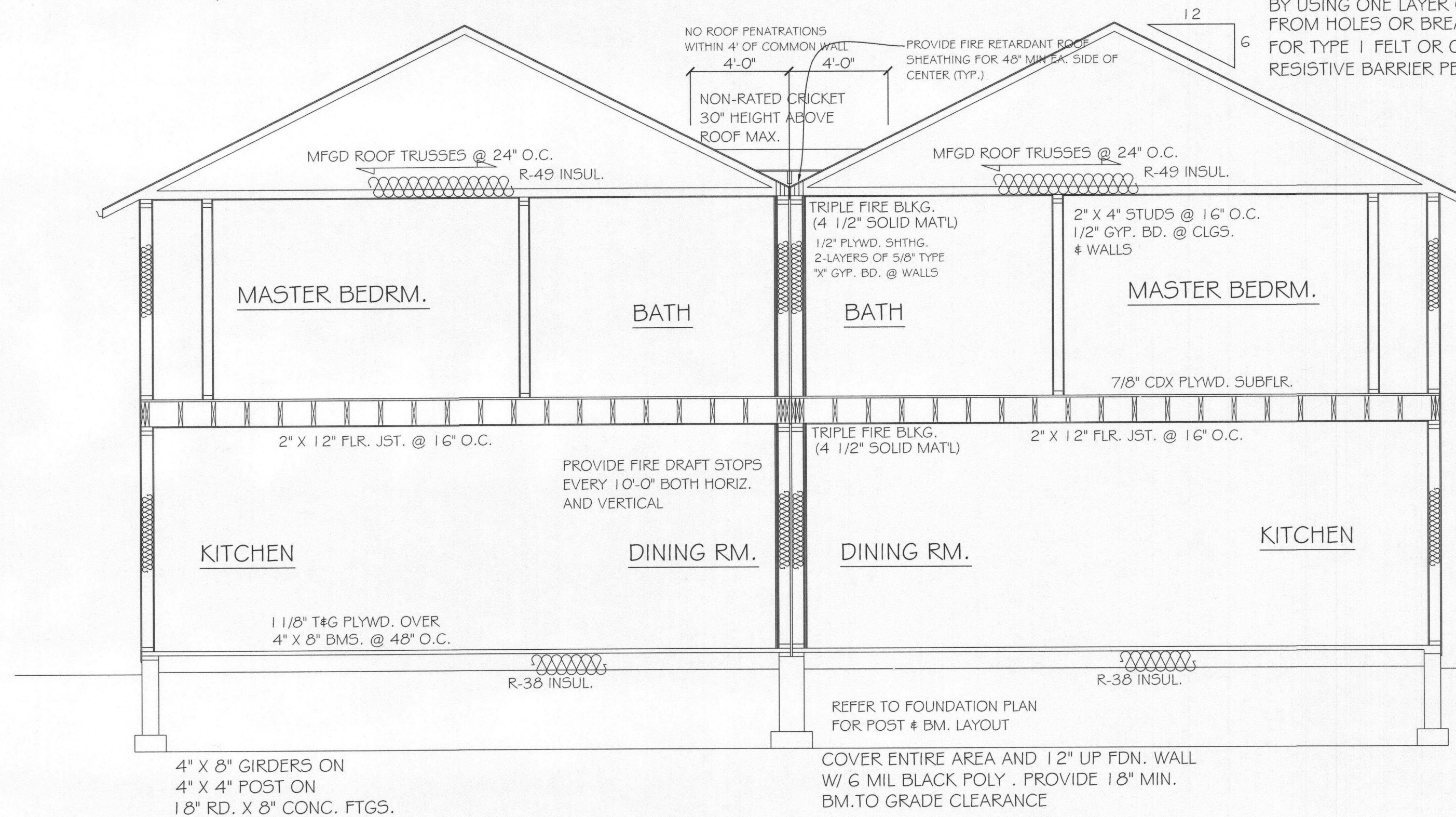
PROVIDE SIMPSON H2.5T SEISMIC CLIPS @ EA. RAFTER OR TRUSS (TYP.)

2" X BLKG. W/ SCR. VENTS @ 48" O.C. (TYP.)
PROVIDE INSUL. BAFFLES AS REQD.

2" X 6" STUDS @ 16" O.C.
R-23 INSUL.
TYVEK WRAP

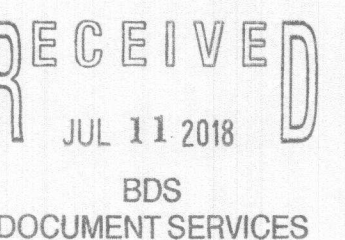
2" X 6" P.T. PLATE W/ 1/2" A.B. @ 48" O.C. MIN. OF 2 PER PLATE & WITHIN 12" OF ANY CORNER OR OPENING. PROVIDE 7" MIN. EMBEDMENT (TYP.)

PROVIDE 18" MIN. GRADE TO BOTTOM OF FTG. (TYP.)



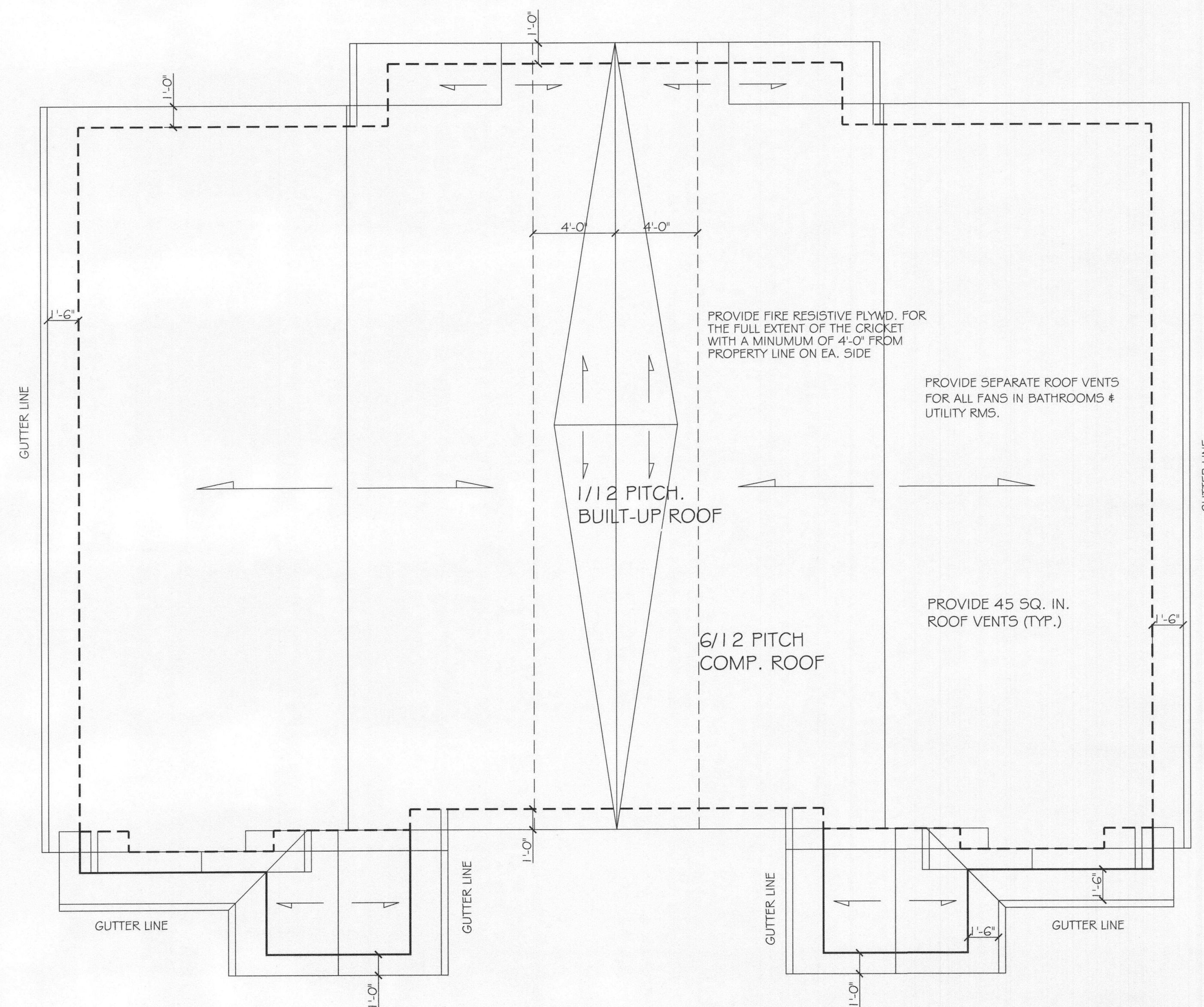
CROSS SECTION A-A

SCALE: 1/4" = 1'-0"



TROXEL'S HOME DESIGN

SCALE: NOTED DATE 3/2/18	1776 SW 26TH CT. GRESHAM, OREGON 97080 (503) 665-2664	DESIGNED BY: DENNIS TROXEL
MAIN: 714 SQ FT UPPER: 854 SQ FT	TOTAL: 1568 SQ FT	PLAN NUMBER: #1804
THIS PLAN SET HAS BEEN AUTHORIZED FOR THE CONSTRUCTION OF ONE BUILDING BY THE ORIGINAL PURCHASER. AUTHORIZED COPIES OF THIS PLAN MUST HAVE A RED INKED STAMP ON ALL SHEETS.		
SHEET: 5		



ATTIC VENTILATION REQUIRED: THE AREA MUST BE 1/300 OF THE AREA OF THE SPACE VENTILATED WITH 50% OF THE REQUIRED VENTILATION IN UPPER 1/3 RD. OF THE ROOF AND REMAINING TO BE AT EAVE (TYP.)

ROOF PLAN

SCALE: 1/4" = 1'-0"

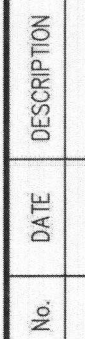
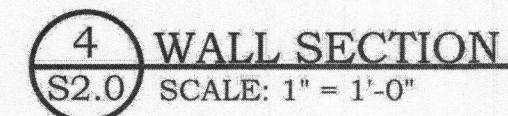
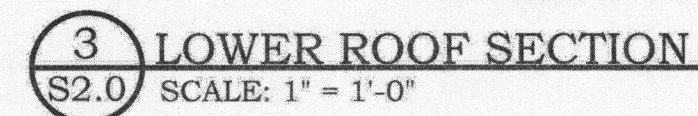
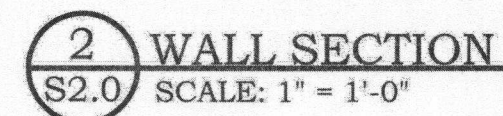
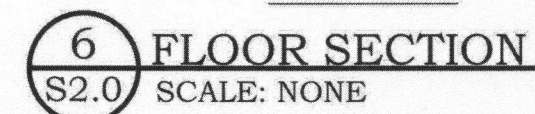
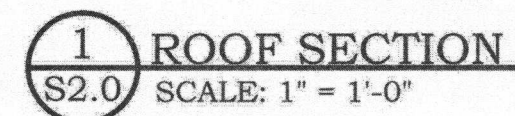
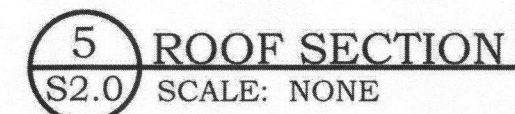


TROXEL'S HOME DESIGN

SCALE: NOTED
DATE: 3/2/18
1778 SW 26TH CT.
GRESHAM, OREGON 97080
(503) 665-2684
DESIGNED BY:
DENNIS TROXEL

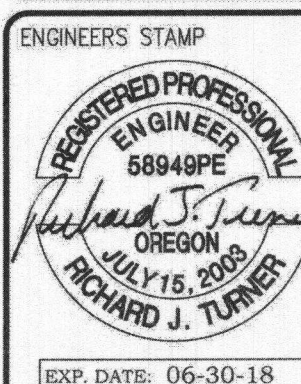
MAIN: 714 SQ FT
UPPER: 854 SQ FT
TOTAL: 1568 SQ FT

THIS PLAN SET HAS BEEN AUTHORIZED FOR THE CONSTRUCTION OF ONE BUILDING BY THE ORIGINAL PURCHASER. AUTHORIZED COPIES OF THIS PLAN MUST HAVE A RED INKED STAMP ON ALL SHEETS.
SHEET: 6
PLAN NUMBER: #1804



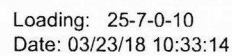
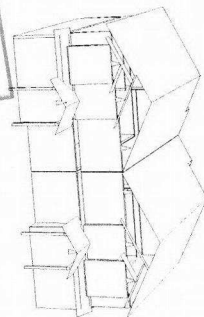
PROJECT NAME	TROXEL #1804 STRUCTURAL DETAILS
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TURNER
ENGINEERING & DESIGN
Office/Cel: (503) 970-8807
Email: turner.teandinc@gmail.com
PO BOX 220
EAGLE CREEK, OREGON 97022



ISSUE	CD
DESIGNED BY	RJT
DRAWN BY	RJT
CHECKED BY	RJT
DATE	04/09/18
PROJECT NO.	R18084
SHEET NO.	S2.0

18-177009





MiTek USA, Inc.

250 Klug Circle
Corona, CA 92880
951-245-9525

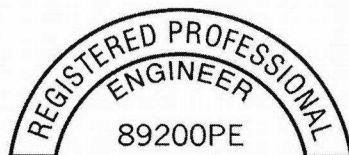
Re: 18-OT11024

Ernie Jette

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Precision Roof Trusses, Inc.

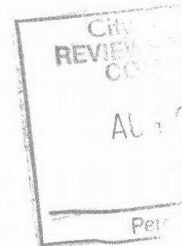
Pages or sheets covered by this seal: K4421913 thru K4421925

My license renewal date for the state of Oregon is December 31, 2019.



March 27, 2018

Baxter, David



IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

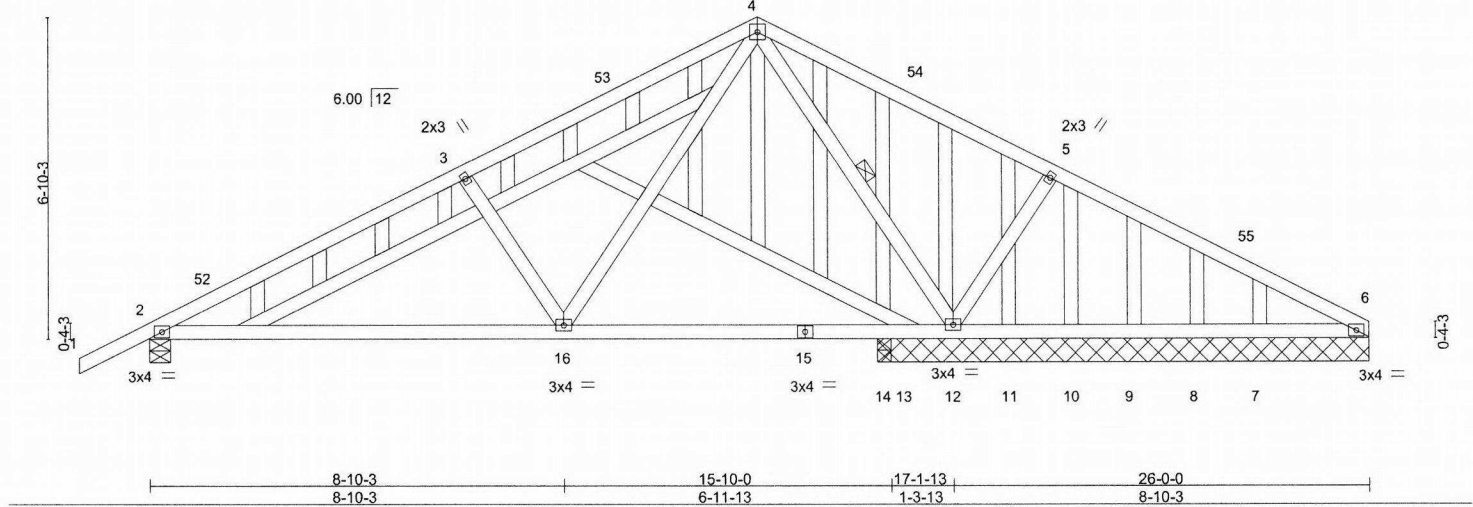
Job 18-OT11024	Truss A01	Truss Type Common Structural Gable	Qty 2	Ply 1	Ernie Jette	K4421913
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015						Job Reference (optional)

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:45 2018 Page 1
 ID:UKXeAVNW63qjThhwCGNjlkzWizS-b3gRn16ysG_s3??SHBRtXmPXmEBJofrhWUwaDczWkm4
 19-2-12 26-0-0 6-9-4 6-2-12 6-2-12 6-9-4

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

4x4 =

Scale = 1:47.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.52	in (loc) l/defl L/d	MT20	185/148
TCDL 7.0	Plate Grip DOL 1.15	BC 0.54	Vert(LL) -0.13 2-16 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.32	Vert(CT) -0.27 2-16 >680 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 12 n/a n/a		
	Code IRC2015/TPI2014			Weight: 169 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
 BOT CHORD 2x4 DF No.2
 WEBS 2x4 HF Std
 OTHERS 2x4 HF Std

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 4-12

REACTIONS.

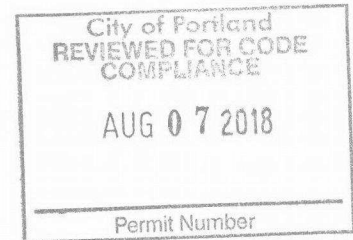
All bearings 10-5-8 except (jt=length) 2=0-5-8, 14=0-3-8.
 (lb) - Max Horz 2=153(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 6, 8, 7 except 2=-210(LC 12), 12=-324(LC 13), 13=-285(LC 3)
 Max Grav All reactions 250 lb or less at joint(s) 6, 11, 10, 9, 8, 7 except 2=758(LC 1), 12=1108(LC 1), 14=416(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-937/234, 3-4=-708/229, 4-5=-17/341
 BOT CHORD 2-16=-252/757
 WEBS 4-12=-841/237, 5-12=-436/318, 4-16=-179/620, 3-16=-410/299

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-0-0, Exterior(2) 13-0-0 to 16-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 8, 7 except (jt=lb) 2=210, 12=324, 13=285.



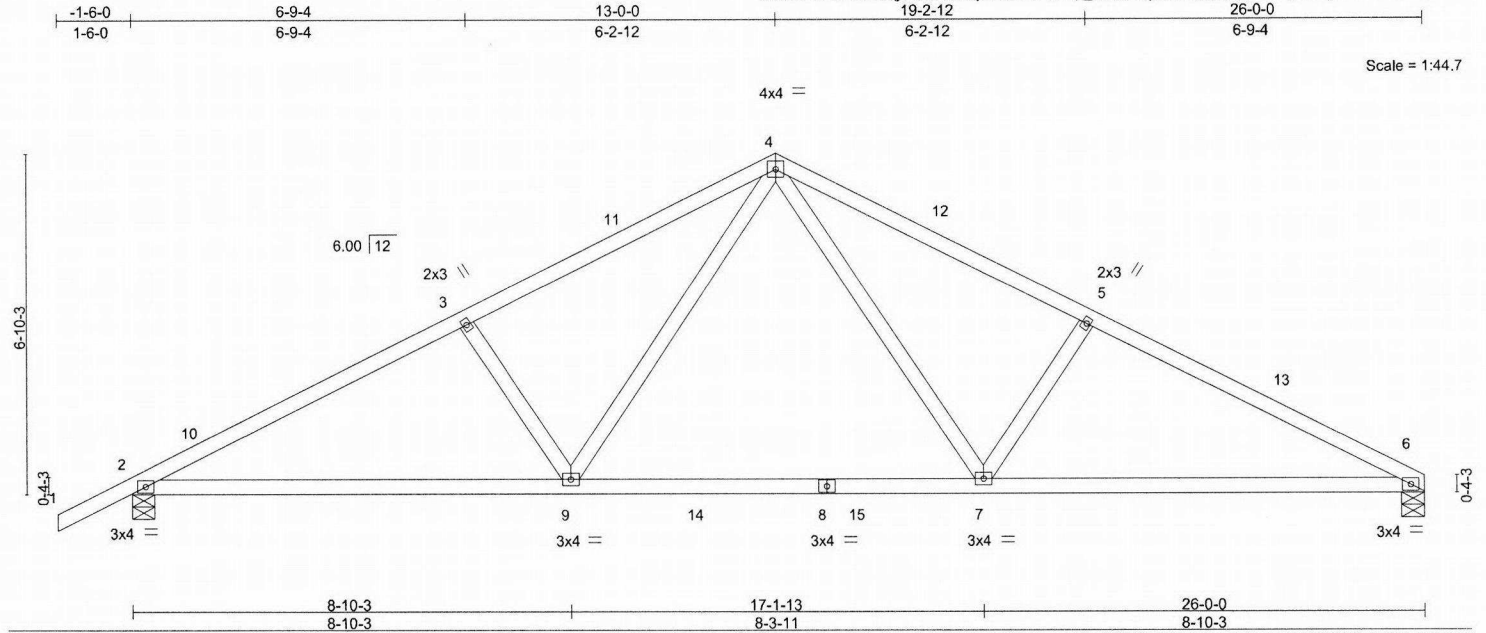
EXPIRES: 12-31-2019
 March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
 250 Klug Circle
 Corona, CA 92880

Job 18-OT11024	Truss A02	Truss Type Common	Qty 32	Ply 1	Ernie Jette	K4421914
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015			Job Reference (optional)			

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:46 2018 Page 1
ID:UKXeAVNW63qJThwCGNjlkzWlzS-3FEp_N7acZ6jh9aequy6U_yivdUqX5zq88f8l2zWkm3



LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.56	in (loc) l/defl L/d	MT20	185/148
TCDL 7.0	Plate Grip DOL 1.15	BC 0.65	Vert(LL) -0.18 7-9 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.32	Vert(CT) -0.31 6-7 >986 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.05 6 n/a n/a		
	Code IRC2015/TPI2014			Weight: 103 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-5 oc bracing.

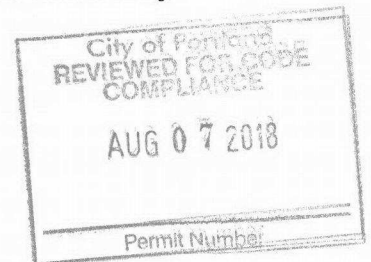
REACTIONS. (lb/size) 6=1069/0-5-8, 2=1187/0-5-8
Max Horz 2=153(LC 12)
Max Uplift 6=-229(LC 13), 2=-283(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1861/399, 3-4=-1633/401, 4-5=-1647/425, 5-6=-1857/423
BOT CHORD 2-9=-389/1575, 7-9=-138/1051, 6-7=-294/1594
WEBS 4-7=-184/634, 5-7=-411/307, 4-9=-173/613, 3-9=-397/295

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-0-0, Exterior(2) 13-0-0 to 16-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=-229, 2=-283.



EXPIRES: 12-31-2019
March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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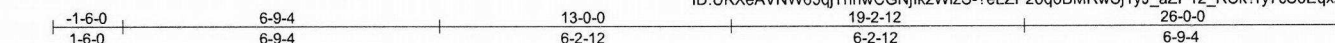


250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss A03	Truss Type Common Structural Gable	Qty 2	Ply 1	Ernie Jette	K4421915
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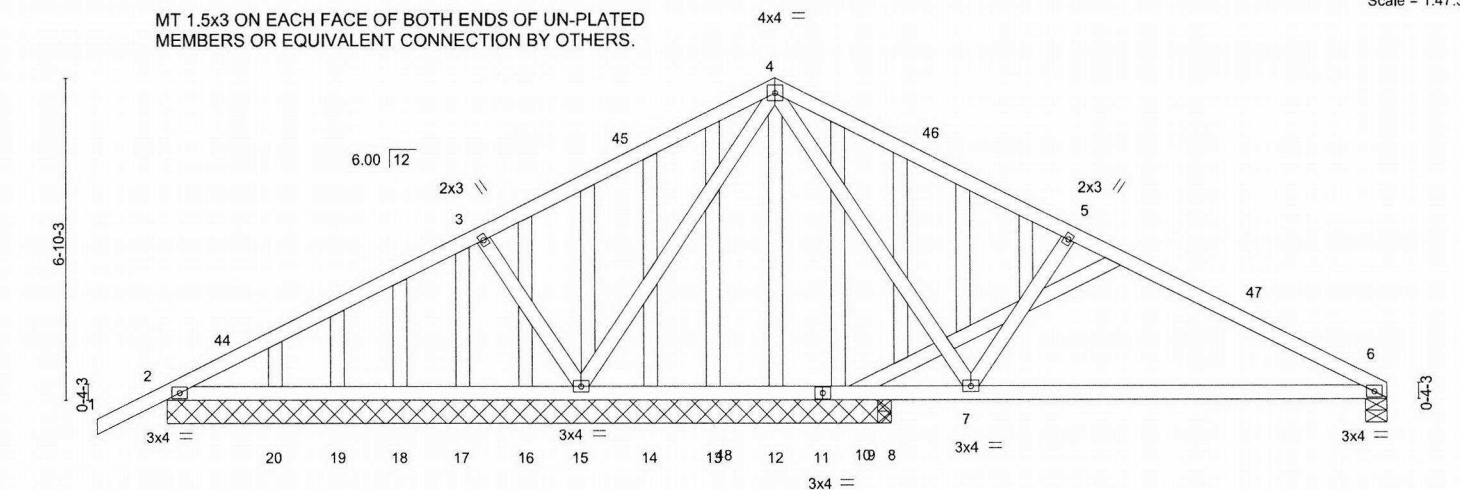
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:48 2018 Page 1
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Scale = 1:47.3

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	2-0-0	TC	0.53	in (loc)	l/defl	MT20	185/148		
TCDL	7.0	Lumber DOL	1.15	BC	0.56	Vert(LL)	-0.14				
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Vert(CT)	-0.30				
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Horz(CT)	0.01				
								Weight: 165 lb		FT = 0%	

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std
OTHERS 2x4 HF Std

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

All bearings 15-5-8 except (jt=length) 6=0-5-8, 8=0-3-8.

(lb) - Max Horz 2=153(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 10 except 6=-150(LC 13), 15=-340(LC 12), 9=-362(LC 1), 8=-250(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 12, 13, 14, 16, 17, 18, 19, 20, 10, 9 except 6=617(LC 1), 2=296(LC 23), 15=1054(LC 1), 8=337(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 3-4=-15/332, 4-5=-667/225, 5-6=-879/230

BOT CHORD 6-7=-127/728

WEBS 4-7=-138/573, 5-7=-427/311, 4-15=-805/173, 3-15=-420/307

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-0-0, Exterior(2) 13-0-0 to 16-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 20, 10 except (jt=lb) 6=150, 15=340, 9=362, 8=250.



EXPIRES: 12-31-2019
March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSVTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

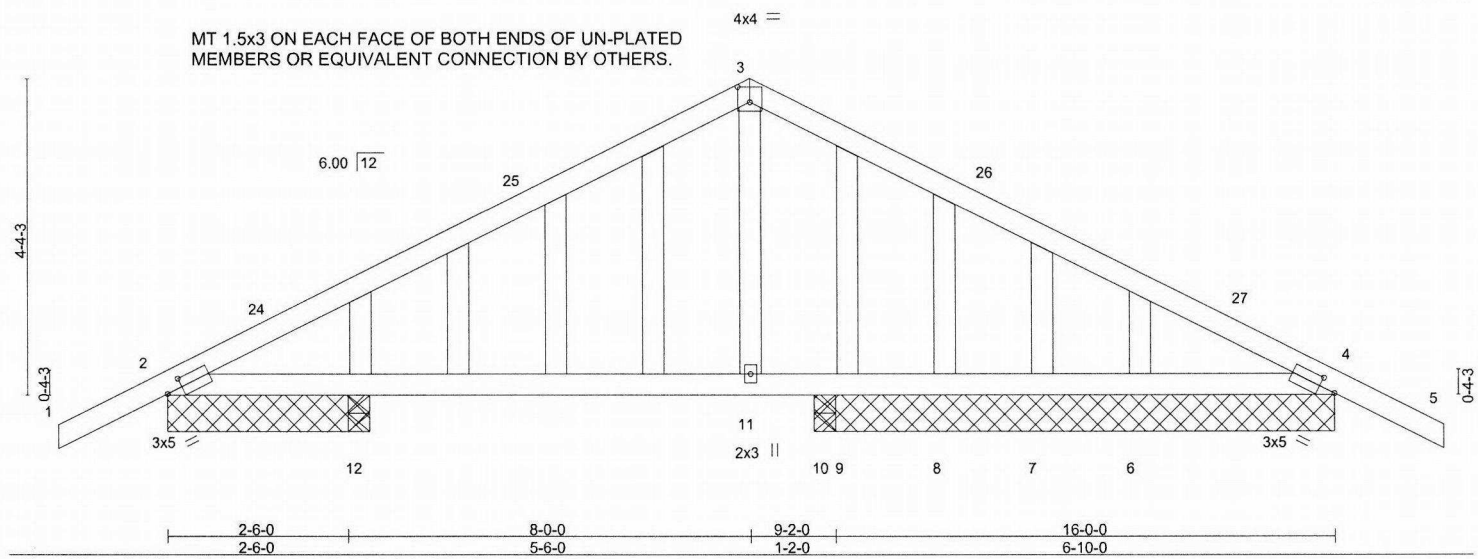


250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss B01	Truss Type Common Structural Gable	Qty 2	Ply 1	Ernie Jette	K4421916
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015						8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:49 2018 Page 1
ID:UKXeAVNW63qjThhwCGNjlkzWlZS-TqvydO9SvUUIYclDW0Vp6caBKrYCKXnGr6uoMNzWkm0						Job Reference (optional)

-1-6-0	8-0-0	16-0-0	17-6-0
1-6-0	8-0-0	8-0-0	1-6-0

Scale = 1:30.5



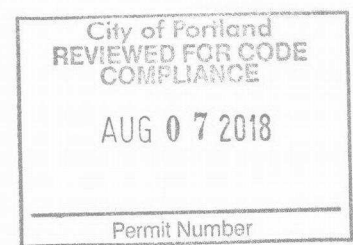
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.68	Vert(LL)	-0.02 11-12	>999	240	MT20	185/148
TCDL 7.0	Lumber DOL	1.15	BC 0.55	Vert(CT)	-0.04 11-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.01 4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S					Weight: 75 lb	FT = 0%

LUMBER-	BRACING-
TOP CHORD 2x4 DF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 DF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 HF Std	
OTHERS 2x4 HF Std	

REACTIONS.	All bearings 7-1-8 except (jt=length) 2=2-9-8, 12=0-3-8, 12=0-3-8, 10=0-3-8.
(lb) - Max Horz	2=91(LC 12)
Max Uplift	All uplift 100 lb or less at joint(s) 8, 7, 12 except 2=-133(LC 12), 4=-130(LC 13), 9=-663(LC 1), 6=-127(LC 13), 10=-208(LC 12)
Max Grav	All reactions 250 lb or less at joint(s) 9, 8, 7, 12, 12 except 2=412(LC 1), 4=420(LC 1), 6=271(LC 24), 10=888(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-455/144, 3-4=-455/144
BOT CHORD	2-12=-20/298, 11-12=-20/298, 10-11=-20/298, 9-10=-20/298, 8-9=-20/298, 7-8=-20/298, 6-7=-20/298, 4-6=-20/298

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 1-6-0 to 1-6-0, Interior(1) 1-6-0 to 8-0-0, Exterior(2) 8-0-0 to 11-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Gable studs spaced at 1-4-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 7, 12 except (jt=lb) 2=133, 4=130, 9=663, 6=127, 10=208.

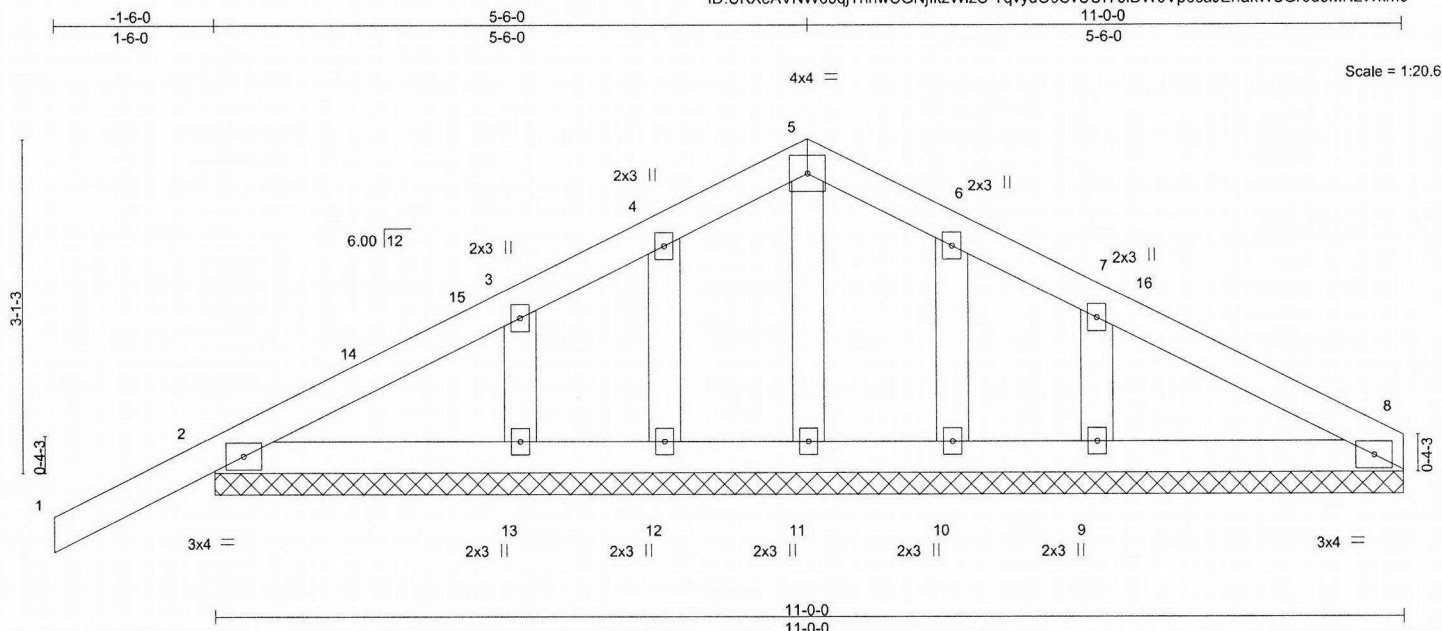


EXPIRES: 12-31-2019
March 27, 2018

Job 18-OT11024	Truss C01	Truss Type Common Supported Gable	Qty 2	Ply 1	Ernie Jette K4421917
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

8,210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:49 2018 Page 1
ID:UKXeAVNW63qjThhwCGNjlkzWlZS-TqvdyO9SvUUIYclDW0Vp6caJErakWSGr6uoMNzWkm0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	Plate Grip DOL 2-0-0	TC 0.17	in (loc) l/defl L/d	MT20	185/148
TCDL 7.0	Lumber DOL 1.15	BC 0.07	Vert(LL) -0.00 1 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Vert(CT) -0.00 1 n/r 90		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-R	Horz(CT) 0.00 8 n/a n/a	Weight: 44 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
OTHERS 2x4 HF Std

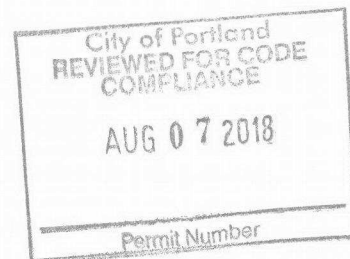
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 11-0-0.
(lb) - Max Horz 2=81(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 8, 2, 12, 13, 10 except 9=103(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 8, 2, 11, 12, 13, 10, 9

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-6-0 to 1-6-0, Exterior(2) 1-6-0 to 5-6-0, Corner(3) 5-6-0 to 8-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2, 12, 13, 10 except (jt=lb) 9=103.



EXPIRES: 12-31-2019
March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss C02	Truss Type Common	Qty 2	Ply 1	Ernie Jette K4421918
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:50 2018 Page 1
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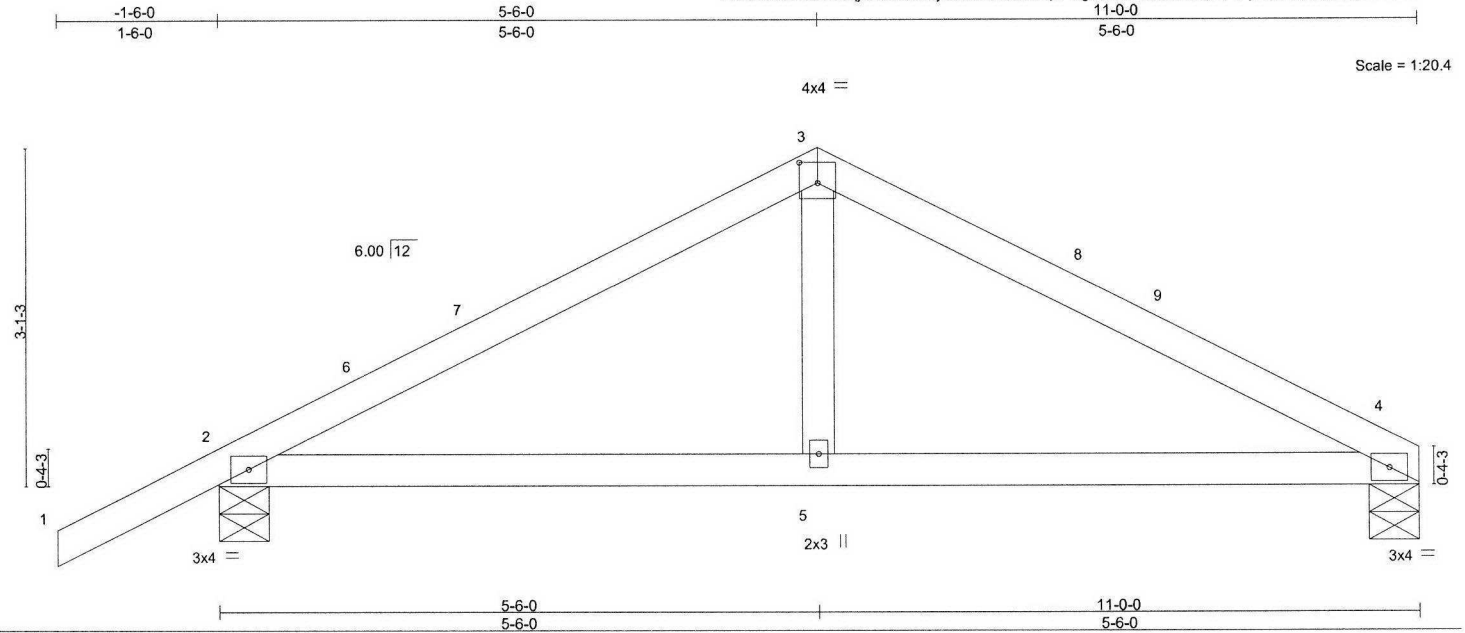


Plate Offsets (X,Y)-- [3:0-2:0,0-2-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.30	Vert(LL)	-0.03	4-5	>999	240	MT20	185/148
TCDL 7.0	Lumber DOL	1.15	BC 0.26	Vert(CT)	-0.05	4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.01	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-R						Weight: 37 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=434/0-5-8, 2=562/0-5-8
Max Horz 2=81(LC 16)
Max Uplift 4=-92(LC 13), 2=-151(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-628/196, 3-4=-624/210
BOT CHORD 2-5=-108/491, 4-5=-108/491

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 5-6-0, Exterior(2) 5-6-0 to 8-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=151.



EXPIRES: 12-31-2019
March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

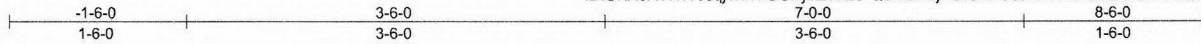
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



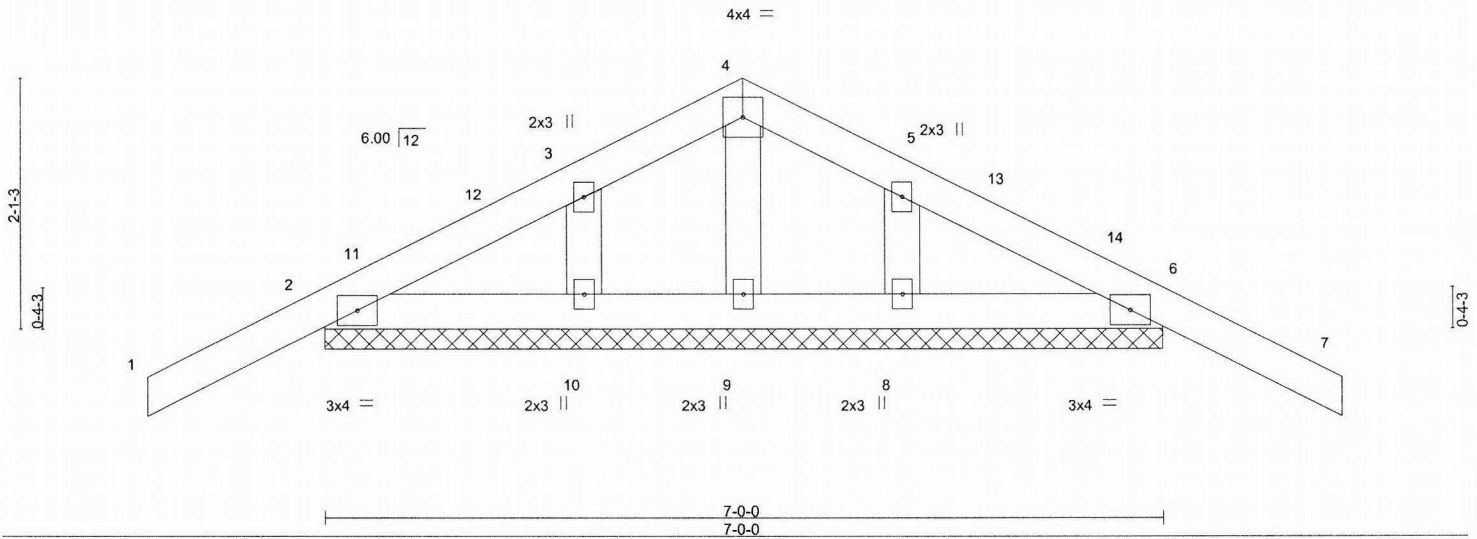
250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss D01	Truss Type Common Supported Gable	Qty 2	Ply 1	Ernie Jette	K4421919
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015						Job Reference (optional)

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:51 2018 Page 1
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Scale = 1:18.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20	185/148
TCDL 7.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) -0.01 7 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(CT) -0.01 7 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 6 n/a n/a		
	Code IRC2015/TPI2014			Weight: 29 lb	FT = 0%

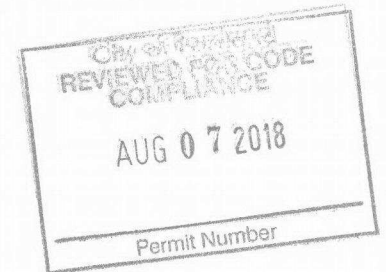
LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
OTHERS 2x4 HF Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 7-0-0.
(lb) - Max Horz 2=48(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 1-6-0 to 1-6-0, Exterior(2) 1-6-0 to 3-6-0, Corner(3) 3-6-0 to 6-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 1-4-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.



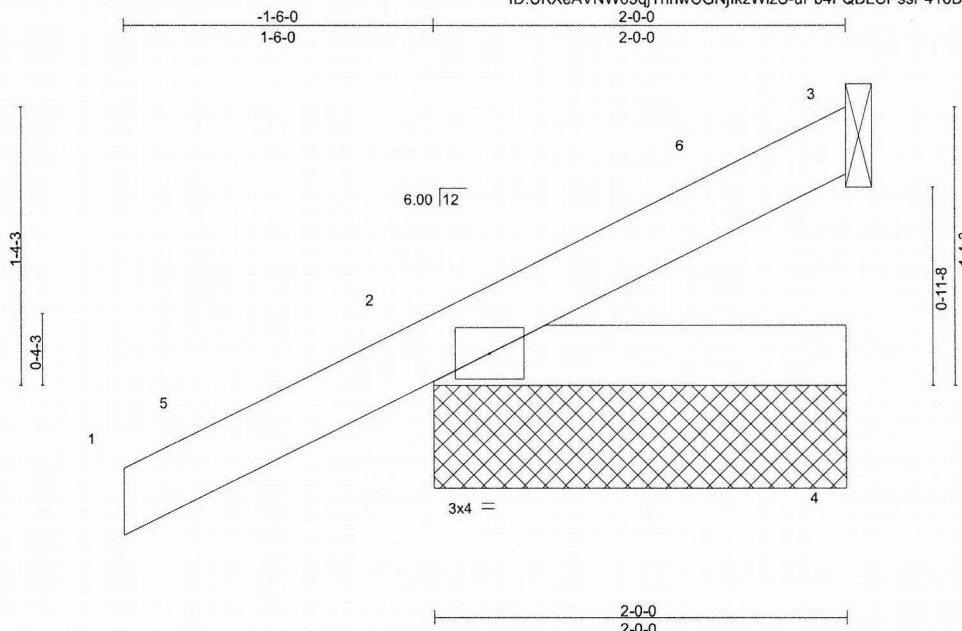
EXPIRES: 12-31-2019
March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss E01	Truss Type Monopitch Supported Gable	Qty 2	Ply 1	Ernie Jette	K4421920
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015						Job Reference (optional)

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:52 2018 Page 1
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Scale = 1:10.8

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.24	Vert(LL)	-0.03	4	>931	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.14	Vert(CT)	-0.04	4	>635		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P					Weight: 8 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 2=216/2-0-0, 3=47/Mechanical
Max Horz 2=73(LC 12)
Max Uplift 2=-78(LC 12), 3=-14(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 1-6-0 to 1-6-0, Exterior(2) 1-6-0 to 1-11-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable studs spaced at 1-4-0 oc.
- 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.



EXPIRES: 12-31-2019
March 27, 2018

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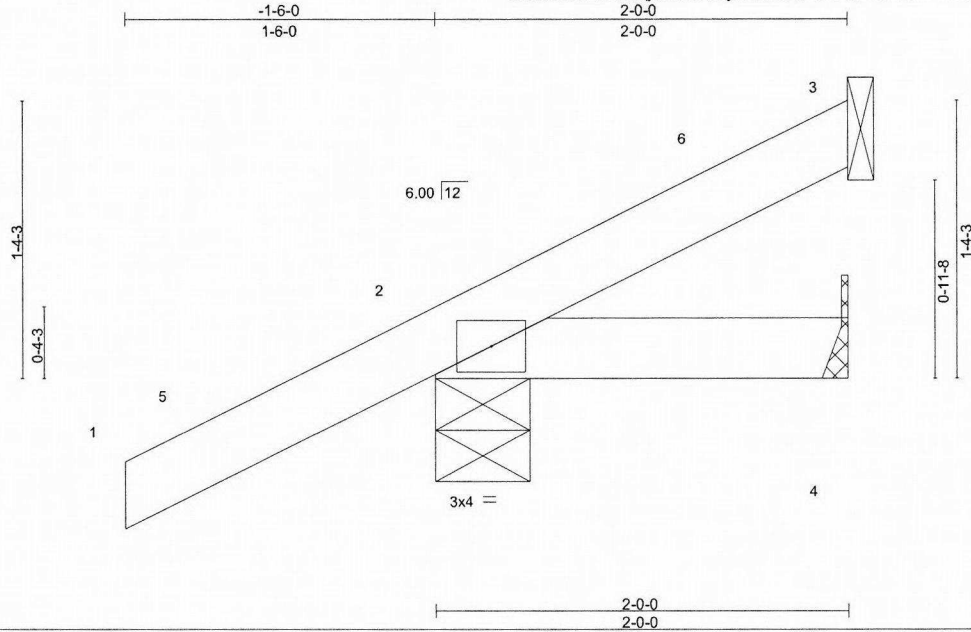
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250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss E02	Truss Type Monopitch	Qty 2	Ply 1	Ernie Jette	K4421921
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015						

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:52 2018 Page 1
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Scale = 1:10.8

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.14	Vert(LL)	-0.00	2 >999	240	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.00	2-4 >999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3 n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						
				Weight: 8 lb				FT = 0%	

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 2=220/0-5-8, 4=19/Mechanical, 3=23/Mechanical
Max Horz 2=73(LC 12)
Max Uplift 2=-80(LC 12), 3=-24(LC 12)
Max Grav 2=220(LC 1), 4=39(LC 3), 3=23(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 1-11-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.



EXPIRES: 12-31-2019
March 27, 2018

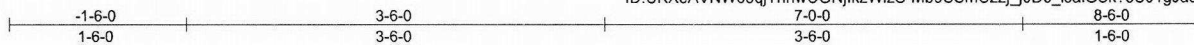
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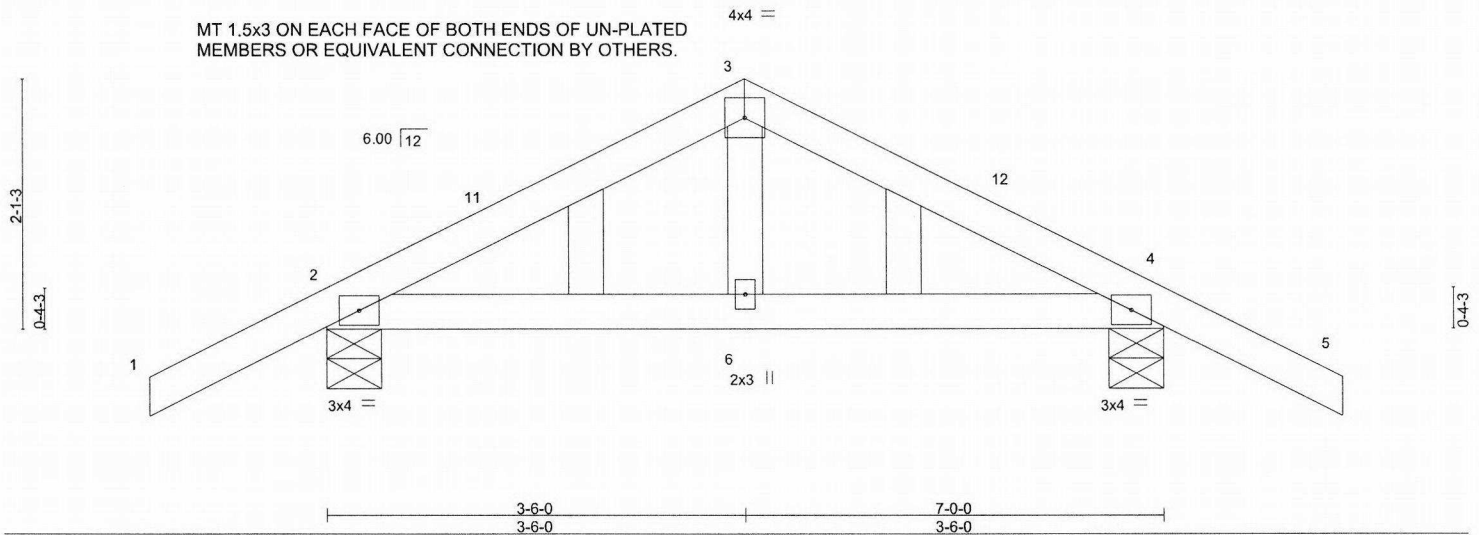
250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss F01	Truss Type GABLE	Qty 2	Ply 1	Ernie Jette	K4421922
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015						8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:53 2018 Page 1
Job Reference (optional)						ID:UKXeAVNW63qjThhwCGNjlkzWlzS-Mb9SSmCzzj_j0Dc_lsalGSK78S01gJask7U8zWkly



Scale = 1:18.6

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.18	Vert(LL)	-0.00	2-6	>999	240	MT20	185/148
TCDL 7.0	Lumber DOL	1.15	BC 0.11	Vert(CT)	-0.01	2-6	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 29 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std
OTHERS 2x4 HF Std

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

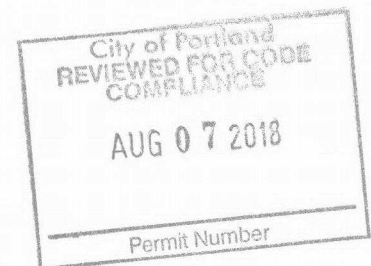
(lb/size) 2=385/0-5-8, 4=385/0-5-8
Max Horz 2=-48(LC 17)
Max Uplift 2=-115(LC 12), 4=-115(LC 13)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-302/80, 3-4=-302/80

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 3-6-0, Exterior(2) 3-6-0 to 6-9-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=115, 4=115.



EXPIRES: 12-31-2019
March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

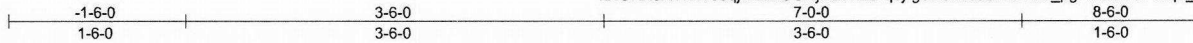
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



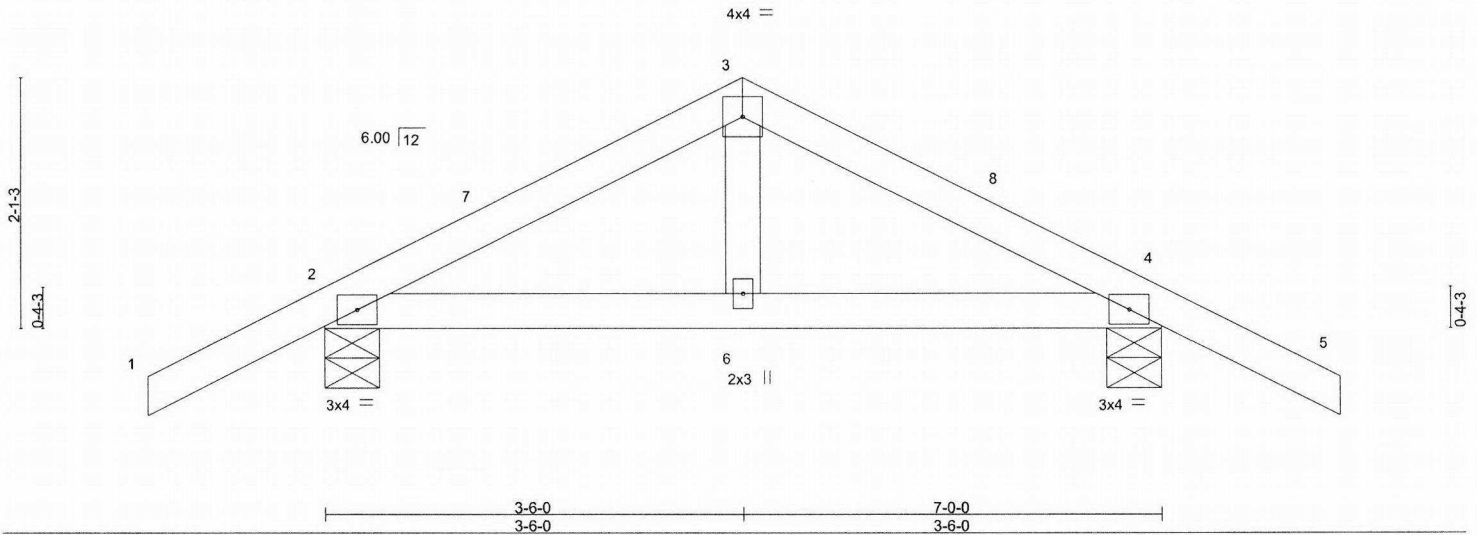
250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss F02	Truss Type Common	Qty 2	Ply 1	Ernie Jette	K4421923
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015						Job Reference (optional)

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:54 2018 Page 1
ID:UKXeAVNW63qjThhwCGNjlkzWlZS-qojrg6Dbk16aeNBla5_pgHAusMGPMq?_ObZ0azWklx



Scale = 1:18.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.18	Vert(LL)	-0.00	2-6	>999	240	185/148
TCDL 7.0	Lumber DOL	1.15	BC 0.11	Vert(CT)	-0.01	2-6	>999	180	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-P						
								Weight: 27 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

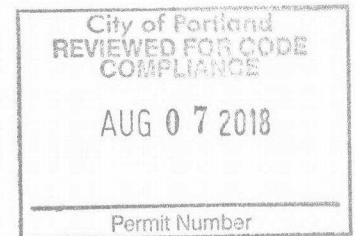
(lb/size) 2=385/0-5-8, 4=385/0-5-8
Max Horz 2=-48(LC 17)
Max Uplift 2=-115(LC 12), 4=-115(LC 13)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-302/80, 3-4=-302/80

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 3-6-0, Exterior(2) 3-6-0 to 6-9-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=115, 4=115.



EXPIRES: 12-31-2019
March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss F03	Truss Type COMMON	Qty 2	Ply 1	Ernie Jette	K4421924
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PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:54 2018 Page 1
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Scale = 1:16.3

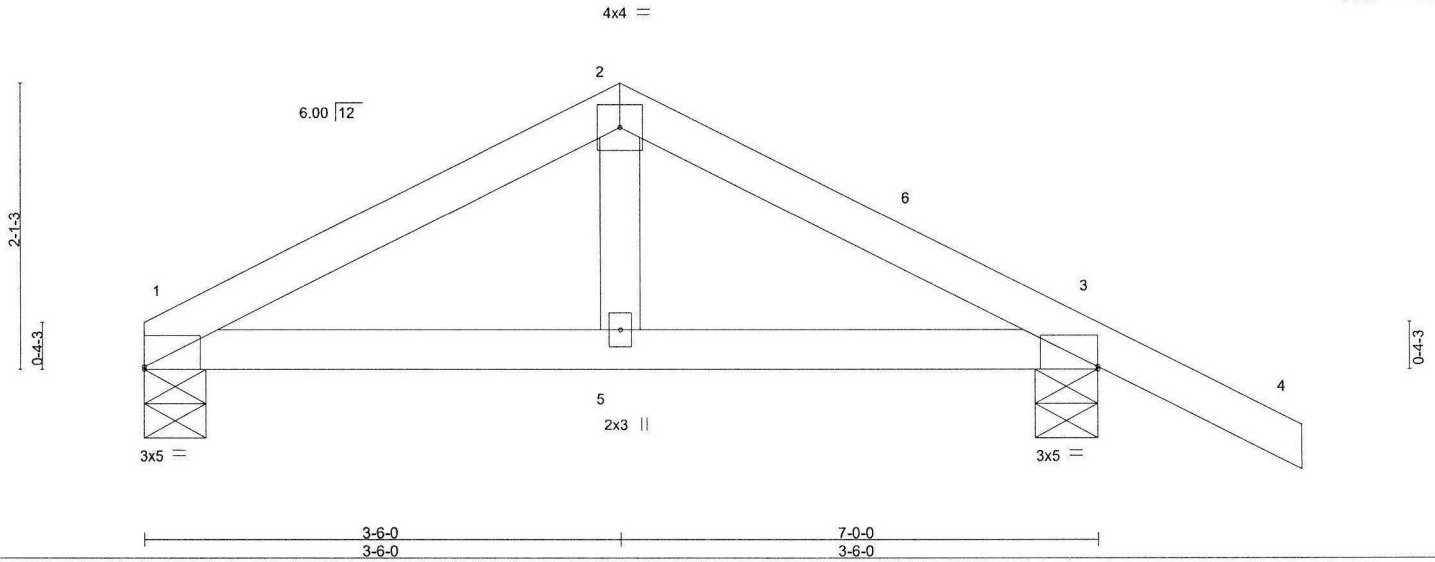


Plate Offsets (X,Y)--		[1:Edge,0-0-4], [3:0-0-0,0-0-4]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES
TCLL 25.0		Plate Grip DOL	1.15	TC 0.27		Vert(LL)	-0.00	1-5	>999	240	MT20
TCDL 7.0		Lumber DOL	1.15	BC 0.11		Vert(CT)	-0.01	1-5	>999	180	GRIP
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.07		Horz(CT)	0.00	3	n/a	n/a	185/148
BCDL 10.0		Code IRC2015/TPI2014		Matrix-P							Weight: 24 lb
											FT = 0%

LUMBER-
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std

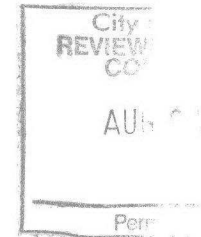
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=260/0-5-8, 3=400/0-5-8
Max Horz 1=-61(LC 17)
Max Uplift 1=-55(LC 12), 3=-118(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-308/217, 2-3=-332/230

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-2-12 to 6-9-4, Exterior(2) 6-9-4 to 8-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 3=118.



EXPIRES: 12-31-2019
March 27, 2018

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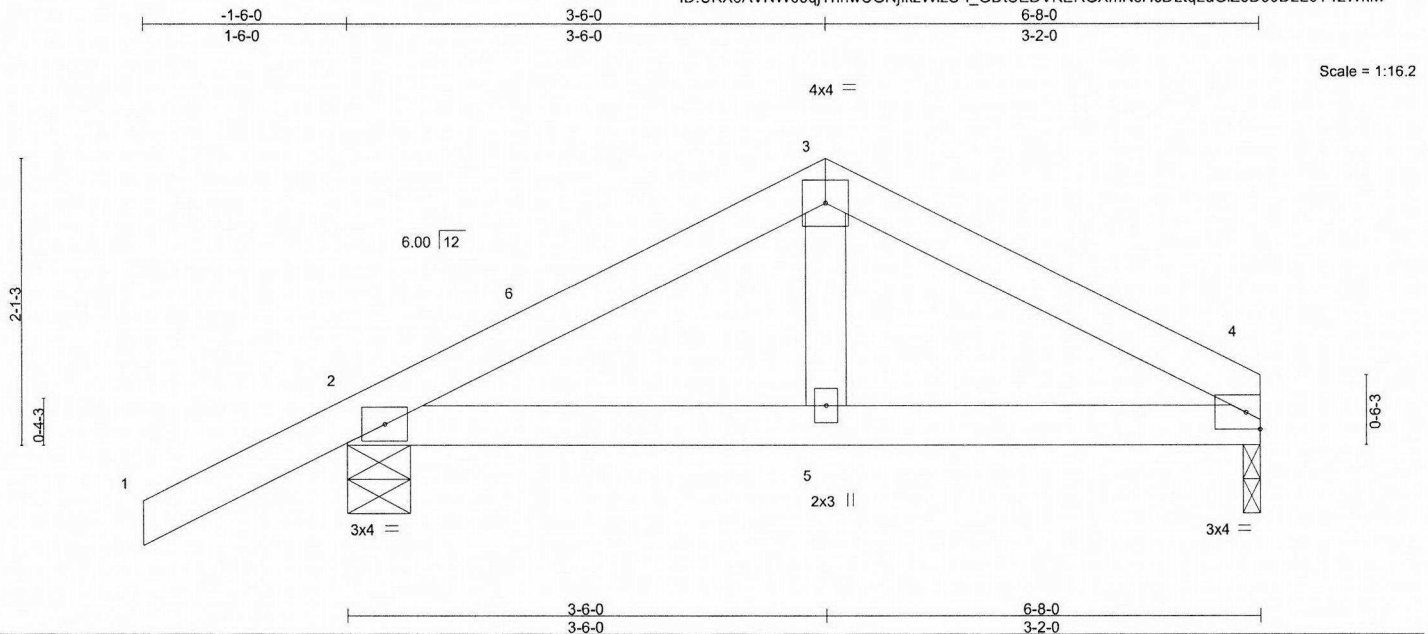


250 Klug Circle
Corona, CA 92880

Job 18-OT11024	Truss F04	Truss Type Common	Qty 2	Ply 1	Ernie Jette	K4421925
PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015						8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:55 2018 Page 1
Job Reference (optional)						ID:UKXeAVNW63qjThhwCGNjlkzWzS-l_GDiSEdVKErGXmNsHcDLtqLdGiZ8D59D2L6Y1zWklw

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:55 2018 Page 1
ID:UKXeAVNW63qjThhwCGNjlkzWzS-l_GDiSEdVKErGXmNsHcDLtqLdGiZ8D59D2L6Y1zWklw



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.18	Vert(LL)	-0.00	2-5	>999	240	MT20	185/148
TCDL 7.0	Lumber DOL	1.15	BC 0.10	Vert(CT)	-0.01	2-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 24 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std

BRACING-

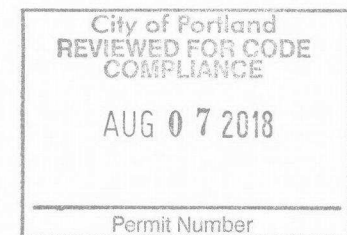
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=253/0-1-8, 2=393/0-5-8
Max Horz 2=61(LC 16)
Max Uplift 4=52(LC 13), 2=117(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-318/128, 3-4=-297/123

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 3-6-0, Exterior(2) 3-6-0 to 6-7-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=117.



EXPIRES: 12-31-2019
March 27, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

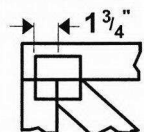
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



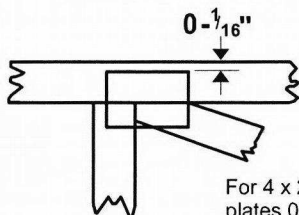
250 Klug Circle
Corona, CA 92680

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

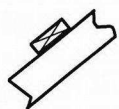
* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

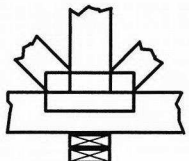
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

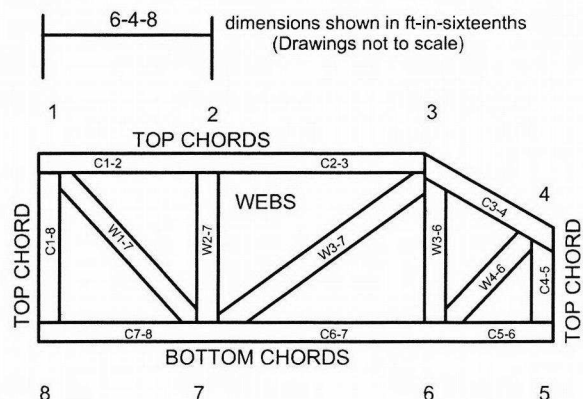


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.