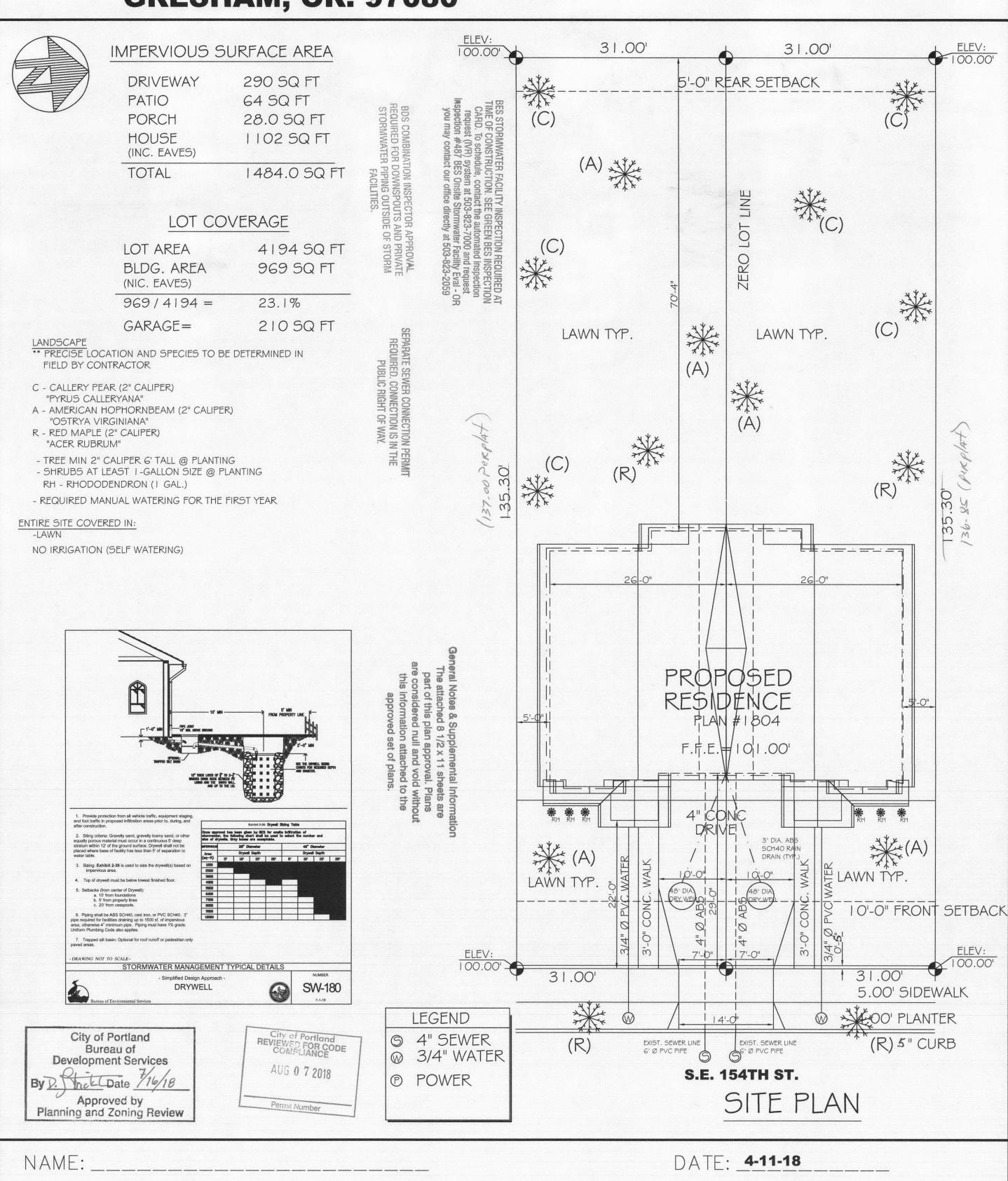
TROXEL'S HOME DESIGN

1778 SW 26TH CT. GRESHAM, OR. 97080

SCALE: 1" = 10.00"

ADDRESS: 413-425 S.E. 154th



PLAN: **PLAN #1804**

443 SE 154th Ave & 445 SE 154th Ave.

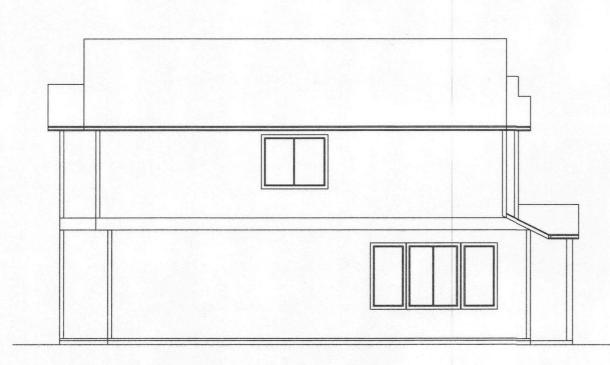
BDS DOCUMENT SERVICES

DECEIV

BY: DENNIS TROXEL

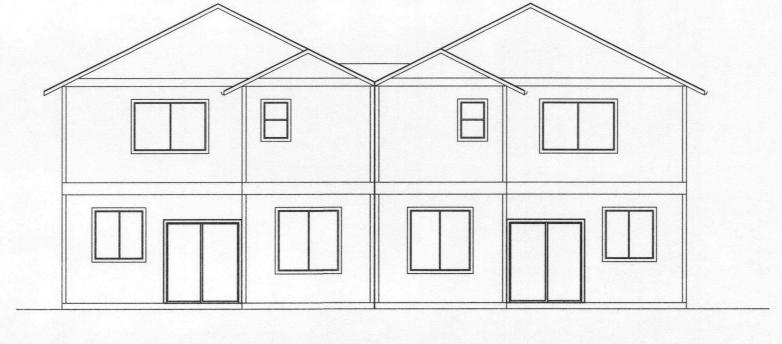






LEFT ELEVATION

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



REAR ELEVATION

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

City of Portland
REVIEWED FOR CODE
COMPLIANCE

AUG 0 7 2018

RIGHT ELEVATION

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

City of Portland
Bureau of
Development Services

By Date 915/18

Approved by
Planning and Zoning Review

TROXEL'S HOME DESIGN

SCALE: NOTED
DATE 3/2/18

1778 SW 26TH CT.
GRESHAM, OREGON 97080
(503) GG5-2684

DESIGNED BY:
DENING TROXEL

MAIN: 714 SQ FT

MAIN: 714 SQ FT

UPPER: 854 SQ FT

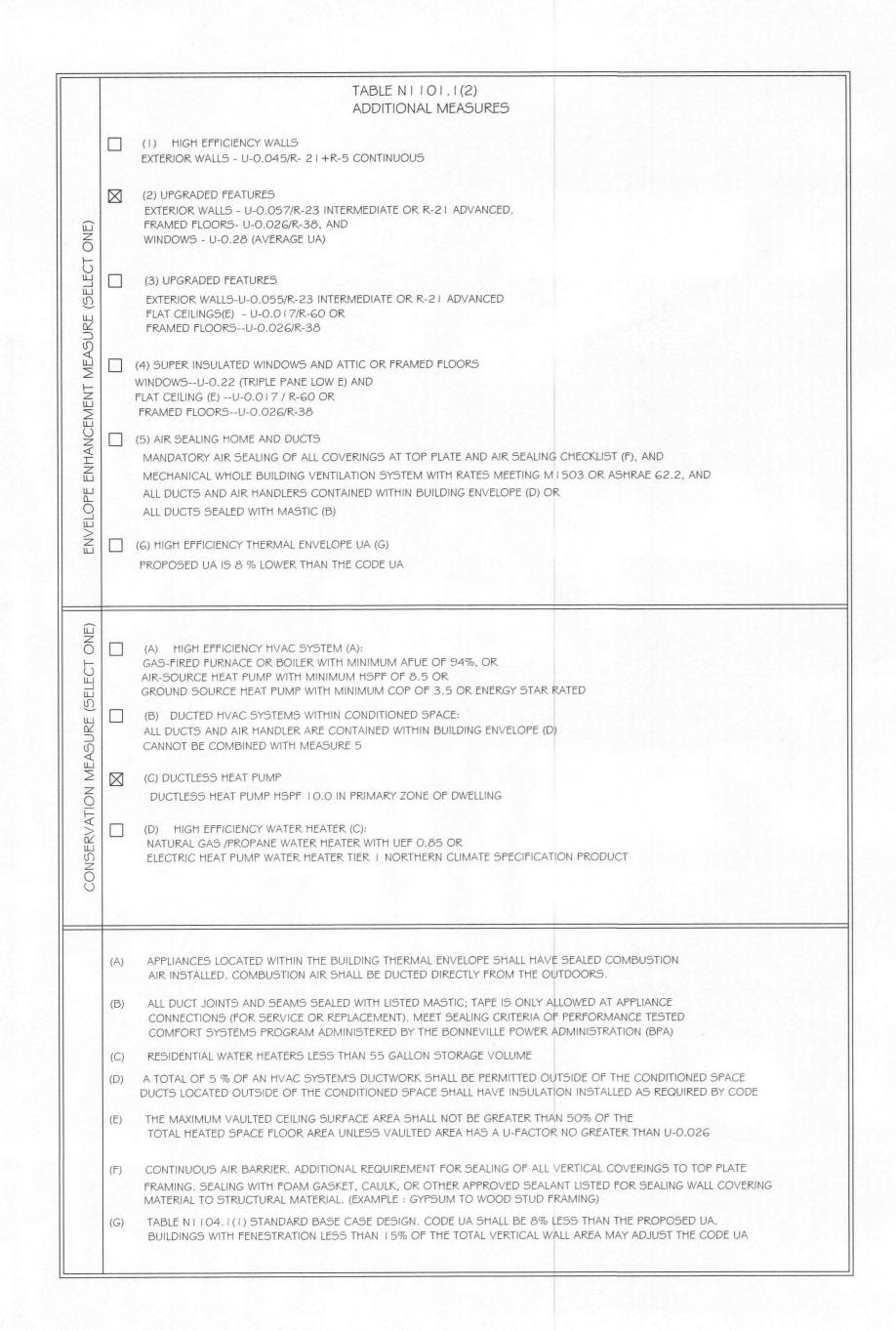
THIS PLAN SET HAS BEEN AUTHORIZED FOR THE CONSTRUCTION OF ONE BUILDING BY THE ORIGINAL PURCHASER. AUTHORIZED COPIES OF THIS PLAN MUST HAVE A RED INKED STAMP ON ALL SHEETS.

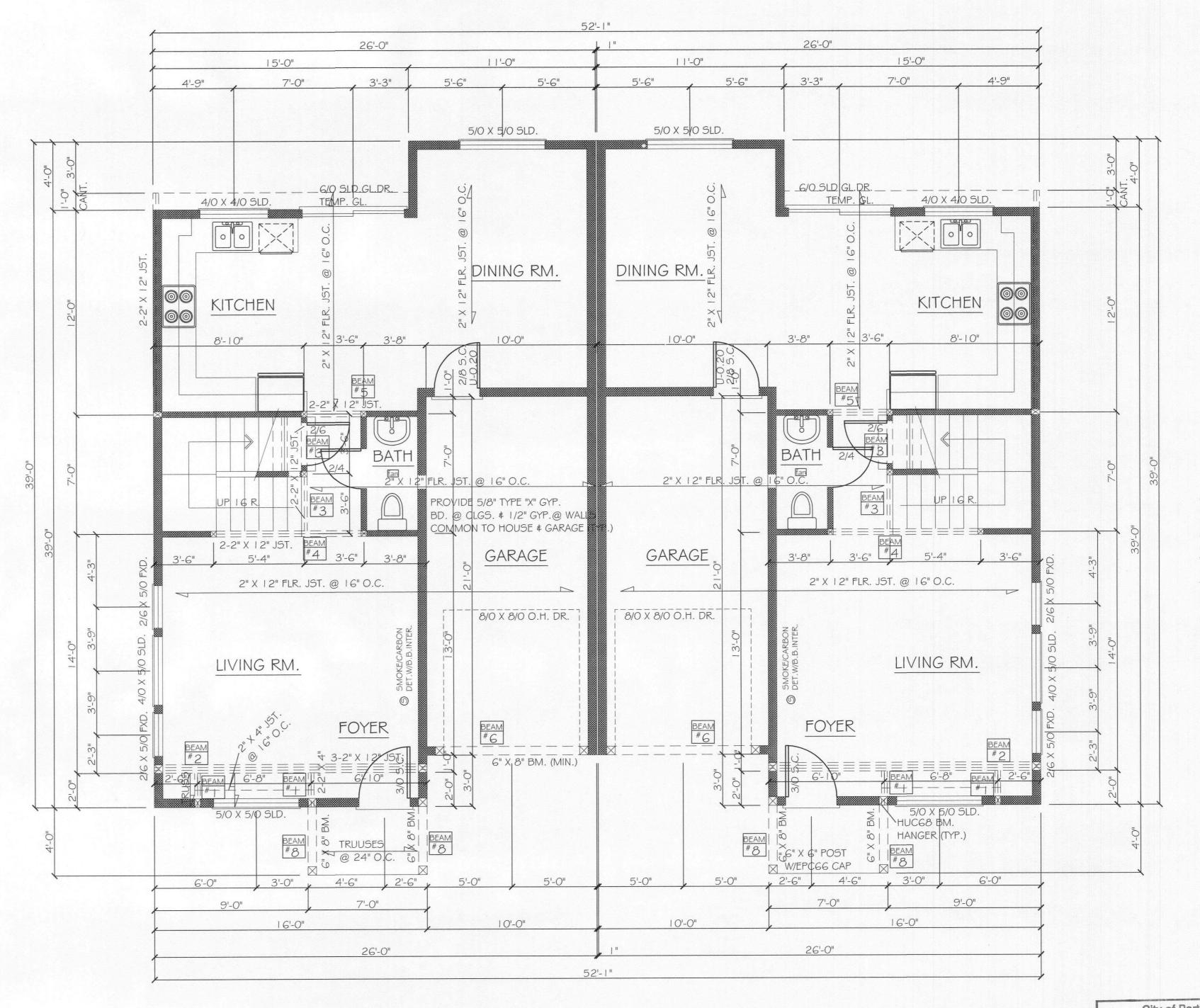
WAIN: 714 SQ FT

TOTAL: 1568 SQ FT

PLAN NUME

SHEET: 1 #1804





ALL OF THE PERMANTLEY 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-EFFICACY LAMPS

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'-O" 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 M | 507.4

AUG 0 7 2018 Permit Number

City of Portland Bureau of **Development Services** Planning and Zoning Review

DOCUMENT SERVICES

GRESHAM, OREGON 97080 (503) 665-2684

DESIGNED BY: DENNIS TROXEL

#1804

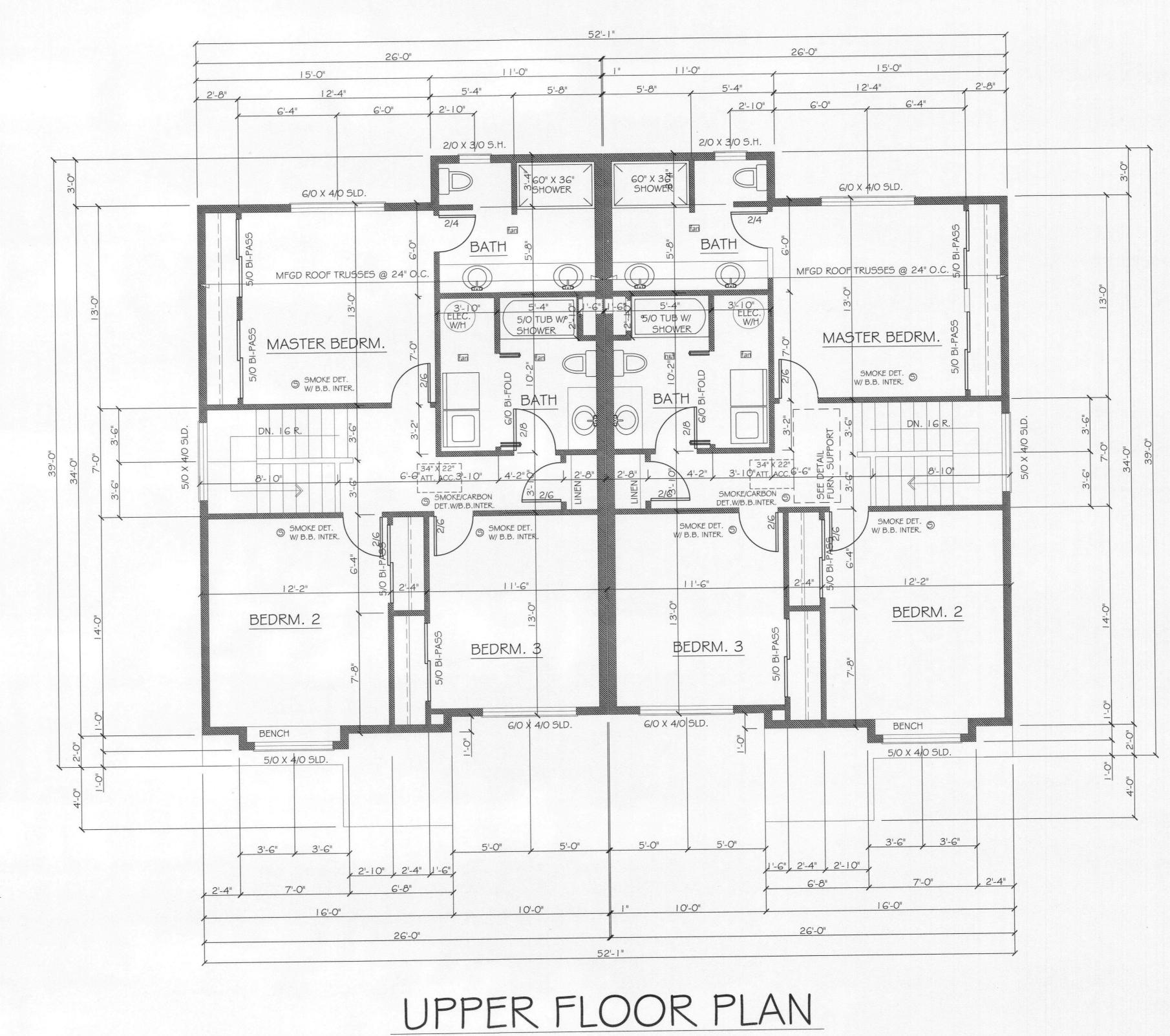
MAIN: 714 SQ FT

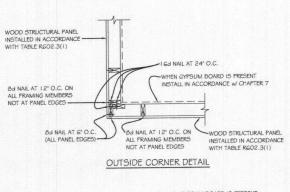
TOTAL: 1568 SQ FT

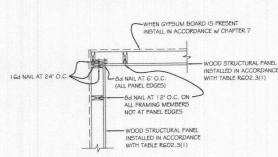
UPPER: 854 SQ FT PLAN NUMBER: SHEET:

MAIN FLOOR PLAN

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







INSIDE CORNER DETAIL

STRONG CORNER DETAIL

INTERMEDIATE FRAMING FOR EXTERIOR WALLS

1) WALLS SHALL BE FRAMED W/ 2" X 6" STUDS @ 16" D.C.

2) CORNERS & INTERSECTIONS W/ EXTERIOR
WALLS & CEILING CORNERS SHALL BE FULLY
INSULATED THROUGH THE USE OF THREESTUD CORNERS CONFIGURATED 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.

City of Portland
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AUG 0 7 2018

Permit Number

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

* HANDGRIP SECTION BTWN 11/2" 4 2"

HANDRAIL

BALLUSTER OR PARTITION —

(VERIFY STYLE)

SHOE RAIL FOR -BALLUSTERS

NOSING OF TREAD -

2 X 12 STRINGER -

2 X BLOCKING

PROVIDE MIN. 36" CLEAR WIDTH AT STAIRWAYS

HANDRAIL ENDS SHALL RETURN OR TERMINATE @ NEWEL POST

OR SAFTEY TERMINAL

TREADS GLUED & SCREWED

(INSTALL AFTER ROOF ON)

"SIMPSON" LS50 EA. SIDE $^{\perp}$ " PLYWOOD RISERS —

(3) 2 × 12 STRINGERS -

%" TYPE "X" G.W.B. — TYP, UNDER STAIR

6" DIA. MAX -

STAIR DETAIL

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

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

MAIN: 714 SQ FT

UPPER: 854 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.

TOTAL: 1568 SQ FT

PLAN NUMBER:
SHEET: 3 #1804

RADON MITIGATION SYSTEM: AFIOI

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. I OF THIS CODE. SOIL-GAS-RETARDER: THE SOIL IN CRAWL SPACES SHALL BE COVERED WITH A CONTINUOUS LAYER OF MINIMUM 6-MIL (O. 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. I 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 PASCAL'S 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

(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 L/s) FOR EACH 50 SQUARE FEET (4.6 L/f) OF UNDERFLOOR AREA. POTENTIAL RADON ENTRY ROUTES SHALL BE CLOSED IN ACCORDANCE WITH SECTIONS AF103.4.1 THROUGH AF103.4.10.

N | 101.1(3) OR ASHRAE 62.2 SHALL BE INSTALLED WITHIN THE DWELLING UNIT.

SLAB REQ.

AFIO3.6 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.

AFIOG.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 "T" FITTING OR EQUIVALENT METHOD SHALL BE USED TO ENSURE THAT THE PIPE OPENING REMAINS WITHIN THE SUB-SLAB PERMEABLE MATERIAL.

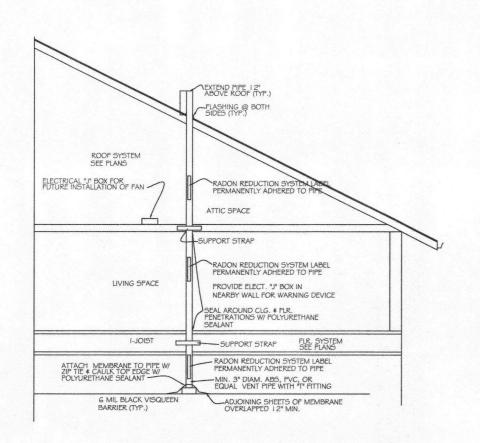
(2) A 3-INCH (76 MM) PIPE SHALL BE INSERTED DIRECTLY INTO AN INTERIOR PERIMETER DRAIN

(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.

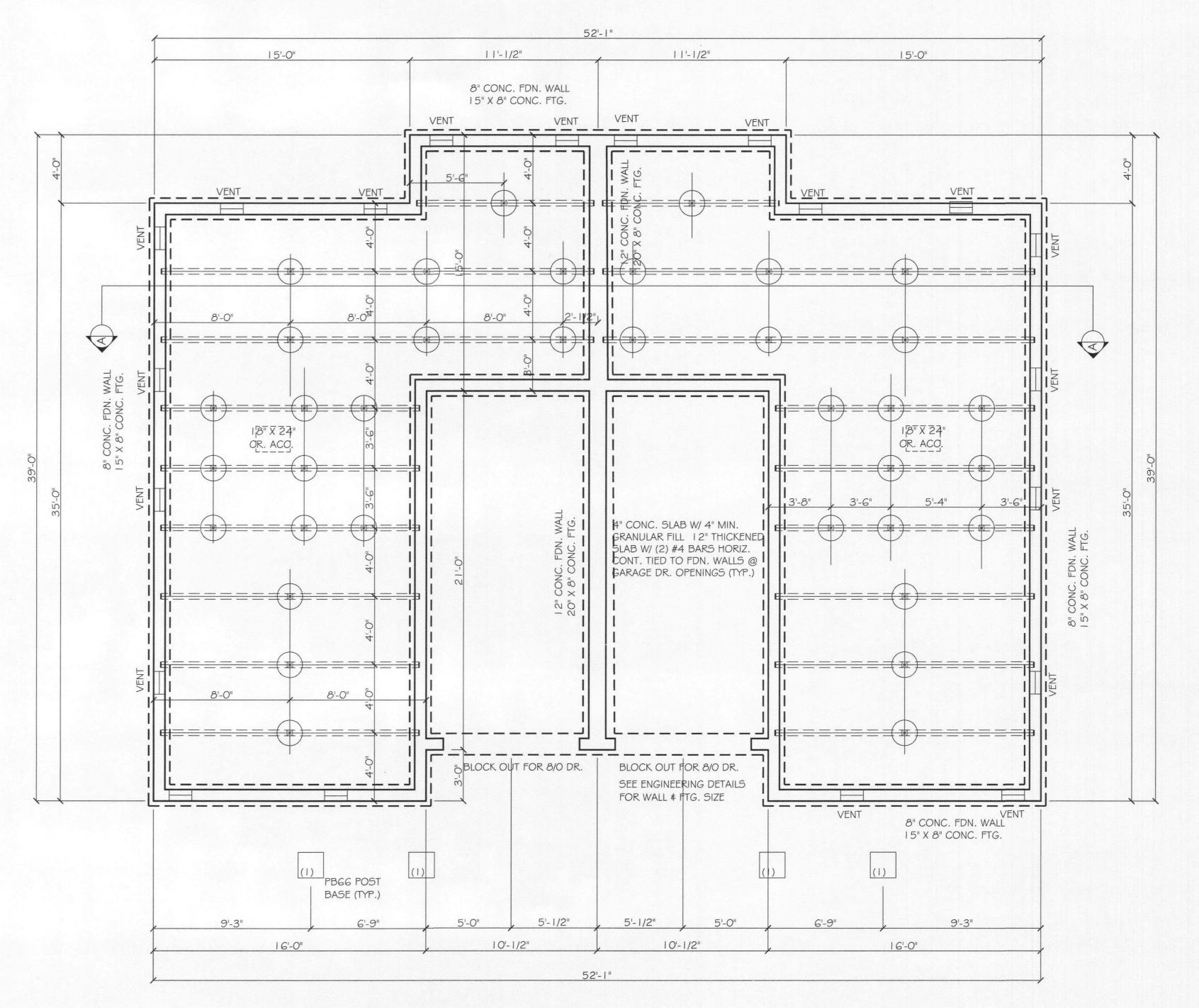
> THE PIPE SHALL BE EXTENDED UP THROUGH THE BUILDING FLOORS, TERMINATE AT LEAST 12 INCHES (305 MM) ABOVE THE SURFACE OF THE ROOF IN A LOCATION AT LEAST 10 FEET (3048 MM) AWAY FROM ANY WINDOW OR OTHER OPENING INTO THE CONDITIONED SPACES OF THE BUILDING THAT IS LESS THAN 2 FEET (610 MM) BELOW THE EXHAUST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

AF 1 03.6.2 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



RADON DETAIL



FOUNDATION PLAN

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

FOOTING		REINF.
SYMBOL	SIZE	SPECS.
	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
	54 x 54 x 12 CONC. FTG.	(4) #5 BARS EACH WAY
[2]	57 x 57x 12 CONC. FTG.	(4) #5 BARS EACH WAY
[3]	60 x 60 x 12 CONC. FTG.	(5) #5 BARS EACH WAY

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 REQ'TS. RUN SLAB REINFORCING THROUGH FOOTING AREA. 3: 28-DAY MINIMUM CONCRETE STRENGTH = 2500psi. 4: REINFORCING STEEL: ASTM AG 15 GR. 60.

GENERAL NOTES:

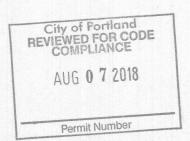
4" X 8" GIRDERS ON 4" X 4" POST ON 18" RD. X 8" CONC. FTG.

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 1778 SW 26TH CT. DESIGNED BY: RESHAM, OREGON 97080 DENNIS TROXEL DATE 3/2/18 (503) 665-2684 MAIN: 714 SQ FT

UPPER: 854 SQ FT TOTAL: 1568 SQ FT CONSTRUCTION OF ONE BUILDING BY THE ORIGIN

MUST HAVE A RED INKED STAMP ON ALL SHEET

PLAN NUMBER: #1804

WP 3820

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, I 7/8" LONG, 0.085" SHANK, I/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)

MFGD ROOF TRUSSES @ 24" O.C.

MASTER BEDRM.

KITCHEN

4" X 8" GIRDERS ON

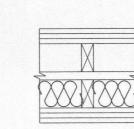
18" RD. X 8" CONC. FTGS.

4" X 4" POST ON

2" X | 2" FLR. JST. @ | 6" O.C.

1 1/8" T&G PLYWD. OVER 4" X 8" BMS. @ 48" O.C.

R-49 INSUL.



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

BATH

AND VERTICAL

R-38 INSUL.

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 NO ROOF PENATRATIONS -PROVIDE FIRE RETARDANT BO FOR TYPE I FELT OR OTHER APPROVED WATER-WITHIN 4' OF COMMON WALL 4-0" SHEATHING FOR 48" MIN EA. SIDE OF RESISTIVE BARRIER PER MFGS. SPECS. CENTER (TYP.) PRIOR TO INSTALLATION OF INTERIOR FINISHES NON-RATED CRICKET ALL MOISTURE -SENSITIVE WOOD FRAMING 30" HEIGHT ABOVE MEMBERS USED IN CONSTRUCTION MUST HAVE A ROOF MAX. MOISTURE CONTENT OF NOT MORE THAN 19% OF MFGD ROOF TRUSSES @ 24" O.C. R-49 INSUL. THE WEIGHT OF DRY WOOD FRAMING MEMBERS TRIPLE FIRE BLKG. PROVIDE SIMPSON H2.5T SEISMIC CLIPS @ 2" X 4" STUDS @ 16" O.C. (4 1/2" SOLID MAT'L) 1/2" GYP. BD. @ CLGS. EA. RAFTER OR TRUSS (TYP.) 1/2" PLYWD. SHTHG. \$ WALLS 2-LAYERS OF 5/8" TYPE "X" GYP. BD. @ WALLS 2" X BLKG. W/ SCR. VENTS @ 48" O.C. (TYP.) MASTER BEDRM. PROVIDE INSUL. BAFFLES AS REQD. BATH 7/8" CDX PLYWD. SUBFLR. TRIPLE FIRE BLKG. (4 1/2" SOLID MAT'L) 2" X | 2" FLR. JST. @ | 6" O.C. 2" X 6" STUDS @ 16" O.C. PROVIDE FIRE DRAFT STOPS R-23 INSUL. EVERY 10'-0" BOTH HORIZ. TYVEK WRAP KITCHEN 2" X 6" P.T. PLATE W/ 1/2" A.B. DINING RM. DINING RM. @ 48" O.C. MIN. OF 2 PER PLATE \$ WITHIN 12" OF ANY CORNER OR OPENING . PROVIDE 7" MIN. EMBEDMENT (TYP.) R-38 INSUL. PROVIDE 18" MIN. GRADE TO REFER TO FOUNDATION PLAN BOTTOM OF FTG. (TYP.) FOR POST \$ BM. LAYOUT

CROSS SECTION A-A

COVER ENTIRE AREA AND 12" UP FDN. WALL

W/ 6 MIL BLACK POLY . PROVIDE 18" MIN.

BM.TO GRADE CLEARANCE

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



JUL 11 2018 U BDS

DOCUMENT SERVICES

PLAN NUMBER:

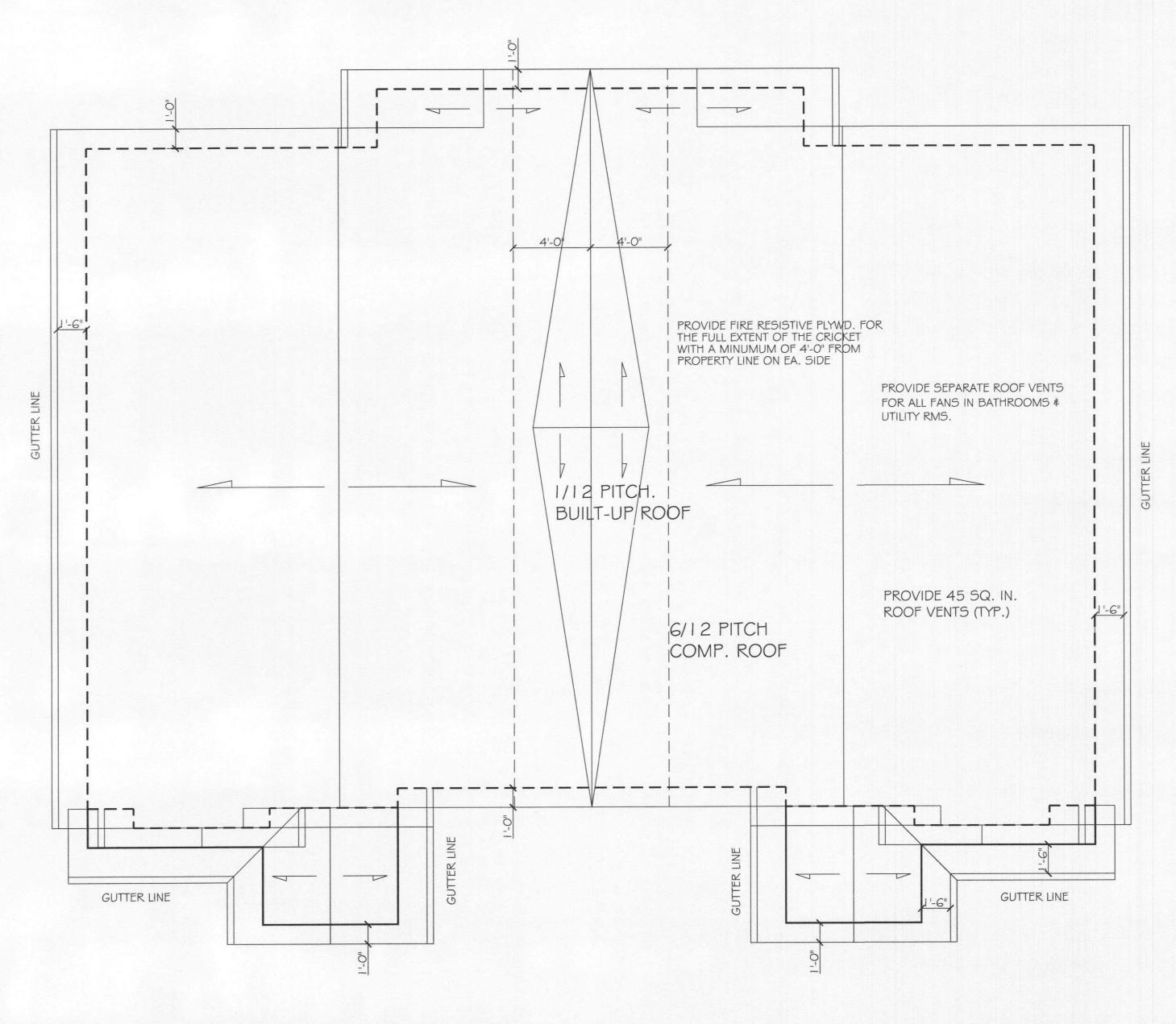
#1804

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

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

SHEET: 5

PURCHASER. AUTHORIZED COPIES OF THIS PLAN MUST HAVE A RED INKED STAMP ON ALL SHEETS.



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.)



AUG 0 7 2018

TROXE	_'S H	OME	DESIG	GN
SCALE: NOTED	1778 SW 26	STH CT.	DESIGNED BY	ſ:

GRESHAM, OREGON 97080 (503) 665-2684 DENNIS TROXEL DATE 3/2/18 MAIN: 714 SQ FT

TOTAL: 1568 SQ FT UPPER: 854 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. PLAN NUMBER:

SHEET:

#1804

SUMMARY OF WORK: LOCATION: TROXEL #1804 OREGON CITY, OREGON

LATERAL ANALYSIS AND DESIGN FOR ROW HOUSE (SINGLE FAMILY RESIDENCE, STRUCTURALLY INDEPENDENT) **DESIGN LOADS:**

USE OR OCCUPANCY OF BUILDINGS AND STRUCTURES RISK CATEGORY (ASCE TABLE 1.5-1): II WIND SPEED Vult: 120 MPH EXPOSURE 'B', Vasd = 93 MPH (OSSC EQUATION 16-33) SEISMIC DESIGN CATEGORY: 'D' GROUND SNOW LOAD: 25 PSF (ROOF SNOW LOAD: 25 PSF)

ROOF DEAD LOAD: 15 PSF FLOOR LIVE LOAD: 40 PSF

SOIL BEARING PRESSURE: 1500 PSF

SOIL PASSIVE SOIL PRESSURE: 200 PSF FRAMING REQUIREMENTS:

(1) WALL STUDS TO BE 2X6 DFL-#2 @ 16" O.C., TYPICAL U.N.O. 2) ROOF SHEATHING TO BE 15/32" APA RATED CDX SHEATHING OR OSB. INSTALL PANELS HORIZONTALLY. SPACE 8d NAILS MAXIMUM 6" O.C. ALONG PANEL EDGES. FOR OTHER CONDITIONS, SPACE 8d NAILS MAXIMUM 12" O.C. ON INTERMEDIATE SUPPORTS.

(3) TYPICAL WALL SHEATHING (TSN) TO BE $^{15}\!\!\!/_{32}$ " APA RATED CDX SHEATHING OR OSB. ALL PANEL EDGES TO BE BACKED WITH 2-INCH NOMINAL OR WIDER FRAMING. INSTALL PANELS HORIZONTALLY OR VERTICALLY. SPACE 8d NAILS MAXIMUM 6" O.C. ALONG PANEL EDGES. FOR OTHER CONDITIONS AND PANEL THICKNESSES, SPACE 8d NAILS MAXIMUM 12" O.C. ON INTERMEDIATE SUPPORTS.

		SHEAR	WALL	SCHEI	DUL	E:(1).	(2), (4) SI TAB	DPWS SLE 4.3A	
PANEL NOTATION	SHEATHING THICKNESS (IN.)	NAILS/ SPACING	DBL. STUD CONN. (FACE NAIL)	SILL BO		CAP	IEAR ACITY (SMIC)	CAPA	EAR ACITY
D6	15/32" (8)	8d @ 6" o.c.	16d @ 9" o.c.	½" Ø @ 3	6" O.C.	26	0 PLF		PLF
(3) D4	15/32" (8)	8d @ 4" o.c.	16d @ 6" o.c.	½" Ø @ 2	4" O.C.	38	80 PLF	532	PLF
(3) D3	15/32" (8)	8d @ 3" o.c.	16d @ 4" o.c.	½" Ø @ 1	8" O.C.	49	00 PLF	685	PLF
(3) D2	15/32" (8)	8d @ 2" o.c.	16d @ 3" o.c.	½" Ø @ 1		64	0 PLF	895	PLF
NOTES	5:				NAIL	6d	8d	10d	16
1) SHEATHING TO		THING OR OSB (GRAI	DE C-C OR C-D STRUCT	URAL	LENGTH	.113"	.131" 2½"	.148"	.162
INSTALL PANELS E ALONG PANEL EDO THICKNESSES, SP (3) FRAMING AT AI	OTTHER HORIZONTALLY GES FOR STUDS SPAC ACE NAILS MAXIMUM DJOINING PANEL EDG 16d NAILS (SPACING AI C.	OR VERTICALLY. SP ED 24" O.C. FOR OTH 12" O.C. ON INTERME ES SHALL BE A SINGI BOVE) TYPICAL ENTIR	E 3" NOMINAL MEMBE E HEIGHT OF DBL. STU	0FL-#2). " O.C. ANEL R OR (2) 2-INCH NO	E STAGGERI	BER FAS	TENED		

	HOL	LD-DOWN SCHEDULE: (2), (3), (4)
HOLDOWN NOTATION	'SIMPSON' HOLDOWN TYPE	INSTALLATION INSTRUCTIONS
2	HDU2 (3075#)	STD. 'SB % X 24' MIN. 18" EMBEDMENT (le) CONCRETE. ANCHOR TO BE INSTALLED PLUMB AND LOCATED ALONG CENTER LINE OF (2)2X6 DFL-#2 WALL STUDS (MIN. 2¾" EDGE DISTANCE). FASTEN STUDS TOGETHER WITH 164 NAILS @ 6" O/C ENTIRE HEIGHT OF STUD. INSTALL HOLDOWN PER MANUFACTURE'S SPECIFICATIONS.
4	HDU4 (4565#)	STD. 'SB $\frac{5}{6}$ X 24' MIN. 18" EMBEDMENT (le) CONCRETE. ANCHOR TO BE INSTALLED PLUMB AND LOCATED ALONG CENTER LINE OF (2)2X6 DFL+#2 WALL STUDS (MIN. 2 $\frac{3}{6}$ " EDGE DISTANCE). FASTEN STUDS TOGETHER WITH 16d NAILS @ 6" O/C ENTIRE HEIGHT OF STUD. INSTALL HOLDOWN PER MANUFACTURE'S SPECIFICATIONS.
5	HDU5 (5645#)	STD. 'SB $\%$ X 24' MIN. 18" EMBEDMENT (le) CONCRETE. ANCHOR TO BE INSTALLED PLUMB AND LOCATED ALONG CENTER LINE OF (2)2X6 DFL+2 WALL STUDS (MIN. 2 $\%$ " EDGE DISTANCE). FASTEN STUDS TOGETHER WITH 16d NAILS @ 6" O/C ENTIRE HEIGHT OF STUD. INSTALL HOLDOWN PER MANUFACTURE'S SPECIFICATIONS.
28	MSTC28	INSTALL STRAP ACROSS FLOOR LINE, INSTALL MIN. (8) 16d NAILS INTO DOUBLE WALL STUDS ABOVE FLOOR AND INTO DOUBLE WALL STUDS BELOW. CENTER STRAP ON STUDS TO INSTALL NAILS INTO MIDDLE THIRD OF STUD.

(6) FRAMING AT ADJOINING PANEL EDGES SHALL BE SINGLE 3X NOMINAL FRAMING MEMBERS AT EACH END OF THE PANEL. NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED 2" O.C. INSTALL MIN. 3X P.T. SILL PLATE, U.N.O.
(7) PLYWOOD TO BE INSTALLED ON BOTH SIDES OF PANEL.

(8) IF $\%_6$ " NOMINAL THICK PLYWOOD OR OSB IS USED, STUDS TO BE SPACED AT 1'-4" O/C, TYPICAL.

(9) GALVANIZED NAILS SHALL BE HOT-DIPPED OR TUMBLED.

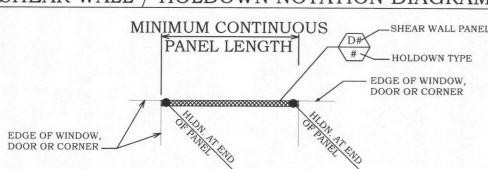
(1) IN LIEU OF SIMPSON 'SSTB' BOLTS ANCHOR BOLTS TO BE A307 OR 'A36' THREADED ROD WITH STD. NUT AND 2" X 2" X 1/4" STEEL PLATE WASHER ON BOTTOM OF BOLT.
(2) HOLDOWNS TO BE FASTENED TO DOUBLE STUDS (CONTINUOUS FROM SILL PLATE TO DOUBLE TOP PLATE) AT

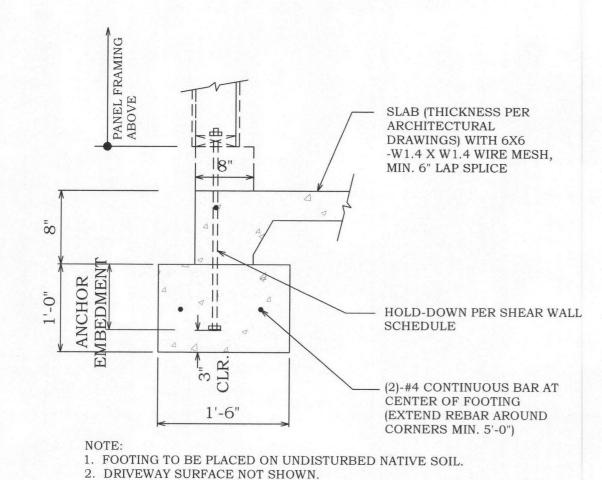
PANEL ENDS. WALL STUDS SHOULD HAVE PANEL EDGE NAILING FROM SHEAR WALL SHEATHING.

(3) IF HOLDOWNS 2, 5, 6, AND 8 ARE INSTALLED FROM FLOOR TO FLOOR, REFER TO DETAIL FF/S1.

(4) U.N.O., INSTALL (1) #4 CONTINUOUS HORIZONTAL TOP BAR 3" DOWN FROM TOP OF WALL AT ALL HOLDOWN ANCHORS. EXTEND BAR MIN. 5'-0" PAST HOLDOWN IN BOTH DIRECTIONS (BEND BAR AROUND AT CORNER CONDITION). FOR THIS 10'-0" SECTION INSTALL (1)-#4 VERTICAL BAR @ 24"

SHEAR WALL / HOLDOWN NOTATION DIAGRAM





FOOTING SECTION

1. FOOTING TO BE PLACED ON UNDISTURBED NATIVE SOIL 2. REFER TO SHEAR WALL SCHEDULE SILL BOLT SPACING AT SHEAR WALL LOCATIONS.

2X STUD WALL——

EXTERIOR SHEAR WALL

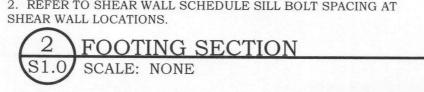
SHEATHING AND NAILING

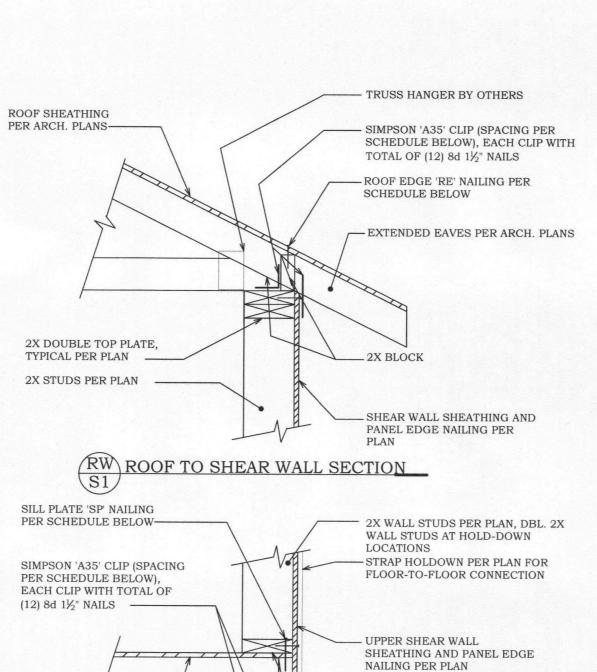
PER SHEAR WALL PLAN -

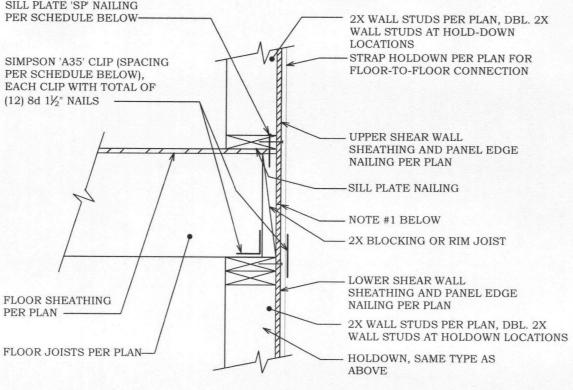
(1)-#4 VERTICAL BAR @

48" O.C. WITH 6" HOOK

AT EACH END .





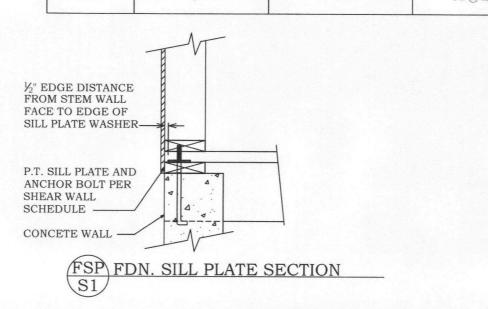


LOOR TO FLOOR SECTION AT SHEAR WALL

PANEL TYPE	'SP' NAIL SPACING	SIMPSON CLIP SPACING	'RE' NAIL SPACING
D6	16d @ 8" O.C.	1'-8" O.C.	8d @ 8" O.C.
D4	16d @ 4" O.C.	1'-2" O.C.	8d @ 4" O.C.
D3	16d @ 3" O.C.	0'-11" O.C.	8d @ 3" O.C.
D2	16d @ 3" O.C.	8" O.C.	8d @ 2½" O.C.

1. IN LIEU OF CLIPS, BREAK SHEAR WALL PANELS AT BLOCKING OR RIM JOIST (INSTALL PANEL EDGE

NAILING AT BREAK).



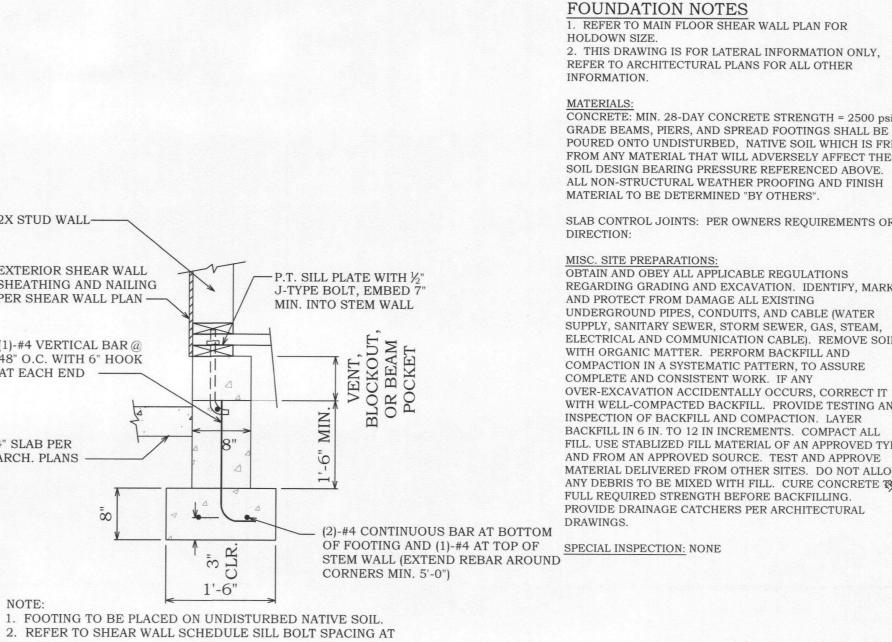
P.T. SILL PLATE WITH 1/2

J-TYPE BOLT, EMBED 7

MIN. INTO STEM WALL

OF FOOTING AND (2)-#4 AT TOP OF

CORNERS MIN. 5'-0")



REFER TO

EXTERIOR SHEAR WALL

SHEATHING AND NAILING

PER SHEAR WALL PLAN

P.T. SILL PLATE WITH 1/2"

(2)-#4 CONTINUOUS BAR AT

(EXTEND REBAR AROUND CORNERS MIN. 5'-0")

P.T. SILL PLATE WITH 1/3

J-TYPE BOLT, EMBED 7

MIN. INTO STEM WALL

CORNERS MIN. 5'-0")

BOTTOM OF FOOTING (2)-#4 BAR AT TOP OF STEM WALL

INTO STEM WALL

J-TYPE BOLT, EMBED 7" MIN.

ARCHITECTURAL

1'-6"

1. FOOTING TO BE PLACED ON UNDISTURBED NATIVE SOIL.

FOOTING SECTION

2. REFER TO SHEAR WALL SCHEDULE SILL BOLT SPACING AT

1. FOOTING TO BE PLACED ON UNDISTURBED NATIVE SOIL. 2. REFER TO SHEAR WALL SCHEDULE SILL BOLT SPACING AT

FOOTING SECTION

2X STUD WALL -

(1)-#4 VERTICAL BAR

@ 48" O.C. WITH 6"

GRADE

HOOK AT EACH END -

SHEAR WALL LOCATIONS.

2X STUD WALL—

EXTERIOR SHEAR WALL

(1)-#4 VERTICAL BAR @

48" O.C. WITH 6" HOOK

SHEAR WALL LOCATIONS.

AT EACH END

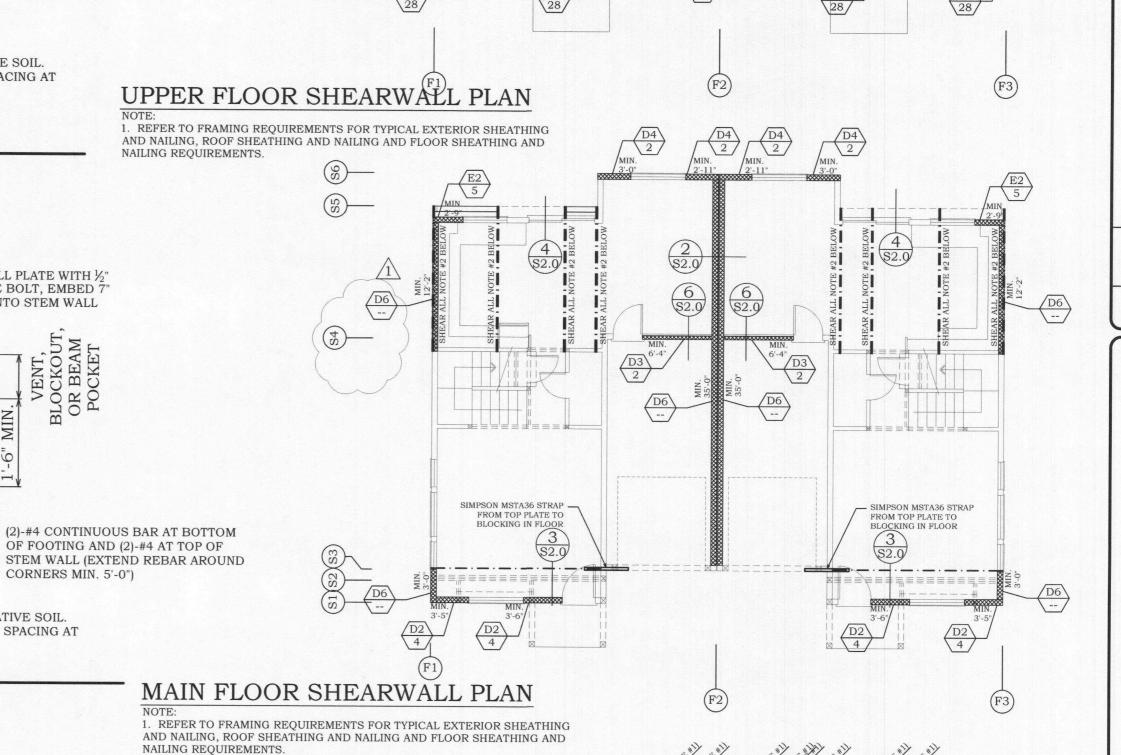
SHEATHING AND NAILING

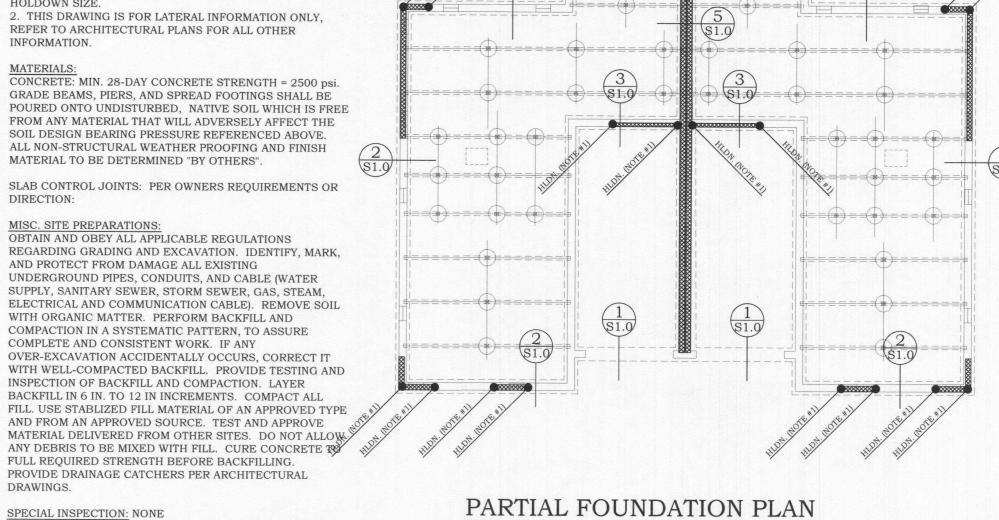
PER SHEAR WALL PLAN ----

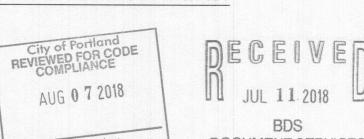
OBTAIN AND OBEY ALL APPLICABLE REGULATIONS REGARDING GRADING AND EXCAVATION. IDENTIFY, MARK, AND PROTECT FROM DAMAGE ALL EXISTING UNDERGROUND PIPES, CONDUITS, AND CABLE (WATER SUPPLY, SANITARY SEWER, STORM SEWER, GAS, STEAM, ELECTRICAL AND COMMUNICATION CABLE). REMOVE SOIL WITH ORGANIC MATTER. PERFORM BACKFILL AND COMPACTION IN A SYSTEMATIC PATTERN, TO ASSURE COMPLETE AND CONSISTENT WORK. IF ANY OVER-EXCAVATION ACCIDENTALLY OCCURS, CORRECT IT WITH WELL-COMPACTED BACKFILL. PROVIDE TESTING AND INSPECTION OF BACKFILL AND COMPACTION. LAYER BACKFILL IN 6 IN. TO 12 IN INCREMENTS. COMPACT ALL FILL. USE STABLIZED FILL MATERIAL OF AN APPROVED TYPE AND FROM AN APPROVED SOURCE. TEST AND APPROVE MATERIAL DELIVERED FROM OTHER SITES. DO NOT ALLOW. ANY DEBRIS TO BE MIXED WITH FILL. CURE CONCRETE TO FULL REQUIRED STRENGTH BEFORE BACKFILLING. PROVIDE DRAINAGE CATCHERS PER ARCHITECTURAL

2 (2) 2X12 DFL-#2, ALIGN WITH SHEAR WALL STRAP ABOVE, FASTEN

TOGETHER WITH 16d NAILS @ 6" O/C ENTIRE LENGTH







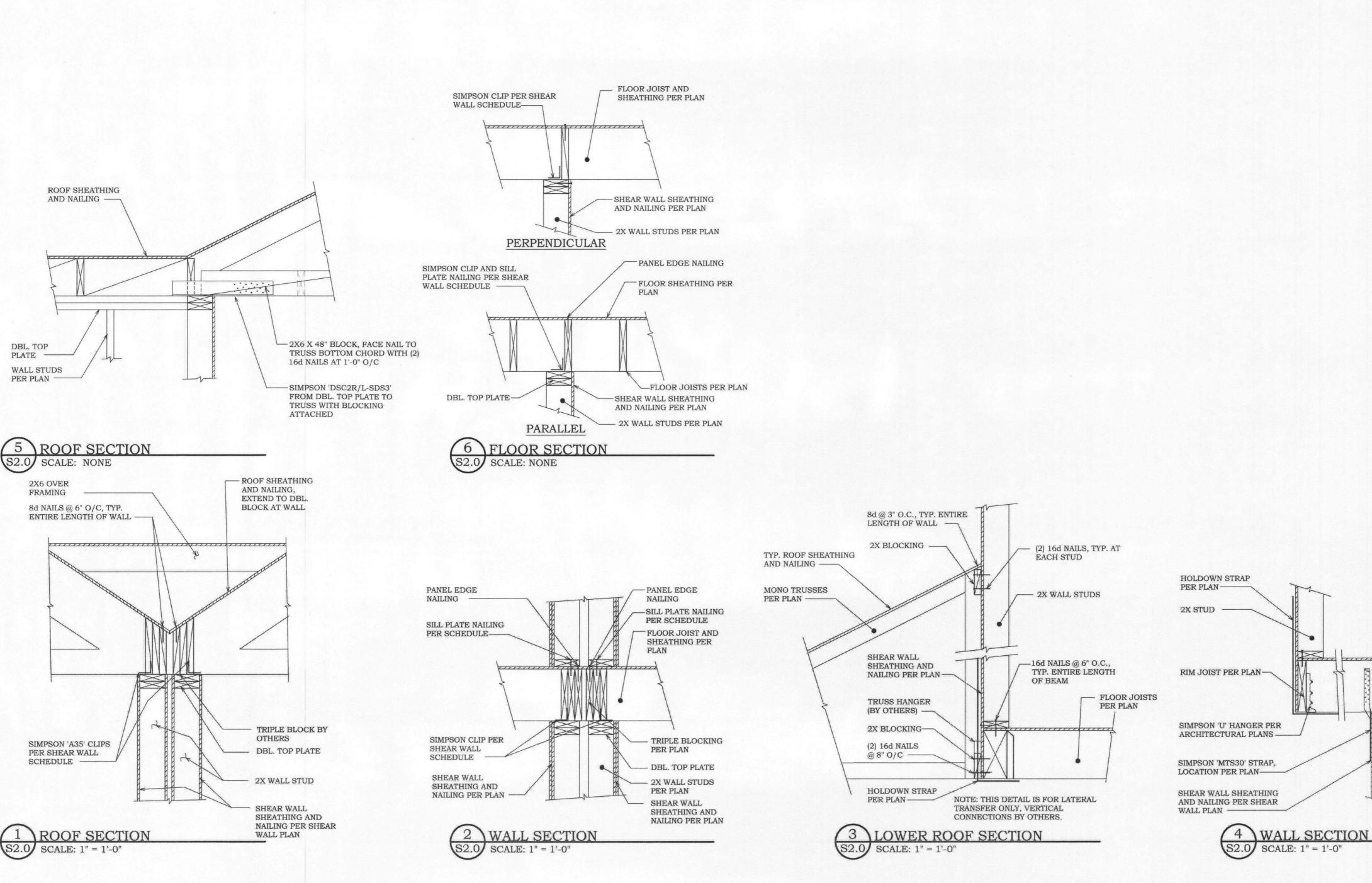
NGINEERS STAMP

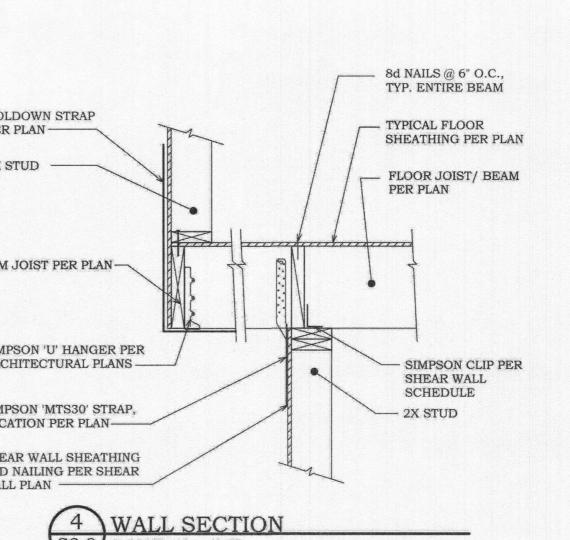
EXP. DATE: 06-30-18 SSUF DESIGNED BY DRAWN BY CHECKED BY RJT 04/08/2018 ROJECT NO.

R18084 **DOCUMENT SERVICES** SHEET NO. S1.0

2X STUD WALL-EXTERIOR SHEAR WALL SHEATHING AND NAILING PER SHEAR WALL PLAN — (1)-#4 VERTICAL BAR @ 48" O.C. WITH 6" HOOK AT EACH END — 4" SLAB PER ARCH. PLANS -(2)-#4 CONTINUOUS BAR AT BOTTOM STEM WALL (EXTEND REBAR AROUND

SHEAR WALL LOCATIONS. FOOTING SECTION





AUG 0 7 2018

ENGINEERS STAMP

EXP. DATE: 06-30-18 DESIGNED BY RJT DRAWN BY CHECKED BY RJT

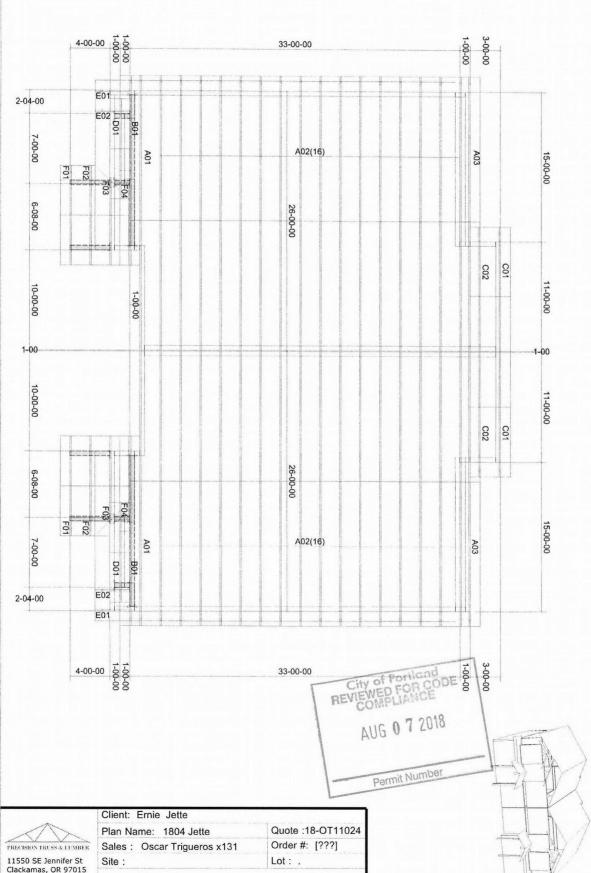
DATE

04/09/18 PROJECT NO.

R18084

SHEET NO.





11550 SE Jennifer St Clackamas, OR 97015 (503) 656-2983 (503) 656-2647

Pitch: 6/12 Overhang: 18" Loading: 25-7-0-10 Date: 03/23/18 10:33:14



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. based on the parameters provided by Precision Roof Trusses, Inc.

under my direct supervision

Pages or sheets covered by this seal: K4421913 thru K4421925

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

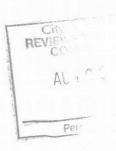




March 27,2018

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.





Jóp ,	Truss	Truss Type		Qty	Ply	Ernie Jette		K4421913
18-OT11024	A01	Common Structura	I Gable	2	1	Joh Deference (entire	nal)	14421313
PRECISION TRUSS & I	LUMBER, INC., CLACKA	MAS,OR. 97015			8.210 s Feb	Job Reference (optio	ries, Inc. Tue Mar 27 1	2:01:45 2018 Page 1
-1-6-0	6-9-4		13-0-0	.eAVNW63qj	19-2-12	kzWizS-b3gRn16ysG_	s3??SHBRtxmPXmEB. 26-0-0	JofrnwUwaDczWkm4
1-6-0	6-9-4		6-2-12		6-2-12		6-9-4	
	1.5x3 ON EACH FACE OF MBERS OR EQUIVALENT							Scale = 1:47.3
3x4 =	6.00 12	2x3 \\ 3 \\ 16 \\ 3x4 \:	53	[\$] 15 3x4 =	54 54 3x/ 14 13 1		9 8 7	3x4 =
-	8-10-3 8-10-3		15-10-0 6-11-13		17-1-13 1-3-13	1	26-0-0 8-10-3	
LOADING (psf) TCLL 25.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0		2-0-0 CSI 1.15 TC 1.15 BC YES WB 014 Mat	. DEI 0.52 Ver 0.54 Ver		in (loc) 3 2-16 27 2-16	l/defi L/d >999 240 >680 180 n/a n/a	PLATES MT20 Weight: 169 lb	GRIP 185/148 FT = 0%
LUMBER- TOP CHORD 2x4 DE BOT CHORD 2x4 DE WEBS 2x4 HE OTHERS 2x4 HE	No.2 Std		TOF	ACING- P CHORD F CHORD BS	Rigid ce	eiling directly applied	rectly applied or 6-0-0 or 6-0-0 oc bracing. I-12	oc purlins.
(lb) - Max H Max U	earings 10-5-8 except (jt=ler lorz 2=153(LC 12) lplift All uplift 100 lb or less frav All reactions 250 lb or 14=416(LC 3)	at joint(s) 6, 8, 7 exce	pt 2=-210(LC 12), 12=-32			3)	City of Port REVIEWED FO COMPLIAN	R CODE
TOP CHORD 2-3= BOT CHORD 2-16	Comp./Max. Ten All force -937/234, 3-4=-708/229, 4-5 =-252/757 =-841/237, 5-12=-436/318,	=-17/341					AUG 0 7	2018

NOTES.

- 1) Unbalanced roof live loads have been considered for this design.
 2) 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
- 3) 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.

4) Gable studs spaced at 1-4-0 oc.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 6) * 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.
- 7) 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.

Permit Number

ERED PROFESS 89200PE

> EXPIRES: 12-31-2019 March 27,2018

MRNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



b, ,	Truss	Truss Type		Qty	Ply	y	Ernie J	ette		K442191
3-OT11024	A02	Common		32		1				1442131
PRECISION TRUSS & L	UMBER, INC., CLACK	AMAS,OR. 97015		15 11107 41			12 2018			2:01:46 2018 Page 1
-1-6-0	6-9-4		13-0-0	ID:UKXeAV		19-2-12		izs-3FEp_in/aczoji	19aequy60_yivd0 26-0-0	qX5zq88f8l2zWkm3
-1-6-0 1-6-0	6-9-4		6-2-12			6-2-12			6-9-4	
										Scale = 1:44
				4x4 =						
				4						
			11	/////	//	12				
	6.00 12									
		2x3 N		//				2x3 //		
		3	//		//			5		
		A CONTRACTOR OF THE CONTRACTOR	//		11			18		
			//		//					
			//		,	//		//	1:	3
						11	,	//		
10	//		//			/	\ //			6
m 2			6/				\\			
24-2			2	[•]					27.77.70	
3x4 =		9			15		7			3x4 =
		3×	4 =	3x4	_		3x4 =			
									20.0.0	
	8-10-3 8-10-3		1	17-1-13 8-3-11					26-0-0 8-10-3	
CADING (not)	SPACING-	2-0-0 CS	21	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
OADING (psf) CLL 25.0	Plate Grip DOL	1.15 TO			-0.18		>999	240	MT20	185/148
CDL 7.0	Lumber DOL	1.15 BC	0.65	Vert(CT)	-0.31	6-7	>986	180		
CLL 0.0 *	Rep Stress Incr Code IRC2015/TPI	YES W	B 0.32 atrix-S	Horz(CT)	0.05	6	n/a	n/a	Weight: 103 lb	FT = 0%
CDL 10.0	Code IRC2013/1F1	2014	atrix-3						Weight. 103 lb	11-070
UMBER-				BRACING-						
OP CHORD 2x4 DF OT CHORD 2x4 DF				TOP CHORE				sheathing directly ectly applied or 9-1		oc purlins.
VEBS 2x4 HF				BOT OHOR	,	tigia cc	ining dire			Commence of the second
								Benevitation	City of I	
	e) 6=1069/0-5-8, 2=1187 orz 2=153(LC 12)	7/0-5-8							DEVIEWED	FORGOUL
	plift 6=-229(LC 13), 2=-28	3(LC 12)							COMP	Mandrit
								and the same of th		7 2018
ORCES. (lb) - Max.	Comp./Max. Ten All ford		ept when shown.						ALIG	1 4 6010
OP CHORD 2-3=-	1861/399, 3-4=-1633/401,	1-5=-1617/195 E C-	1857/422					3	1100	

WEBS 4-7=-184/634, 5-7=-411/307, 4-9=-173/613, 3-9=-397/295

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) 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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 4) * 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.
- 5) 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.



STERED PROFESS 89200PE MERRIL

EXPIRES: 12-31-2019 March 27,2018



8-OT11024 A03 Common Structural Gable 2 1 Job Reference (optional) PRECISION TRUSS & LUMBER, INC., CLACKAMAS,OR. 97015 1-16-0 6-9-4 13-0-0 19-2-12 RCK?ry7cS8Eqxz2 26-0-0 MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS. 4x4 = Sci												
### SCH1024	op'	Truss	Truss Type			Qty	Ply	Ernie Jette)		12	1421915
### SECTION FOR LIGHT STATE STATE OF HEAD TO THE STATE	8-OT11024	A03	Common St	ructural Gable		2	1				r.	1421915
1.6-0	PRECISION TRUSS & I	UMBER INC. CLACK	AMAS OR, 97015			8	.210 s Feb			Inc. Tue Mar 27 1	2:01:48 2018 P	age 1
NT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS. At 4 = Second Members of Second Sec				13-0-0	ID:UKXeA		ThhwCGN			wSj1yJ_aZP12_RC		
MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS. 4x4 =												
LOADING (psf)											Scal	e = 1:47.3
SPACING SPACING 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES GRIP	£ 2	44	2x3 \\ 3	3x4 =		11 109				47		0-4-3
COADING (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) //defl L/d PLATES GRIP	-											
TOP CHORD 2x4 DF No.2 2x4 DF No.2 2x4 DF No.2 2x4 HF Std 2x4 HF St	TCLL 25.0 TCDL 7.0 BCLL 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	TC 0.53 BC 0.56 WB 1.00	DEFL . Vert(LL Vert(CT) -0.14	n (loc) 1 6-7 0 6-7	l/defl >899 2 >424 1	40 80	PLATES MT20	185/148	
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)	TOP CHORD 2x4 DF BOT CHORD 2x4 DF WEBS 2x4 HF	No.2 Std			TOP CH	IORD					2 oc purlins.	
	(lb) - Max H Max U	orz 2=153(LC 12) plift All uplift 100 lb or less 1), 8=-250(LC 13) trav All reactions 250 lb or	s at joint(s) 2, 19,	20, 10 except 6=-150					[REI	EOMPLIAN	Cla	
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 Permit Number	TOP CHORD 3-4=- BOT CHORD 6-7=-	Comp./Max. Ten All force 15/332, 4-5=-667/225, 5-6= 127/728	es 250 (lb) or less =-879/230	s except when shown					-		and the second s	1

- NOTES1) Unbalanced roof live loads have been considered for this design.
 2) 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
- 3) 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.

4) Gable studs spaced at 1-4-0 oc.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 6) * 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.

 7) 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.



STERED PROFESS MERRILL

> EXPIRES: 12-31-2019 March 27,2018



Job ,	Truss	Truss Type	Qty	Ply	Ernie Jette	
18-OT11024	B01	Common Structural Gable	2	1		K4421916
					Job Reference (optional)	
PRECISION TRUSS & LUM	BER, INC., CLACKAMA	S,OR. 97015	8 ID:UKXeAVNW63qjT	3.210 s Feb hhwCGNjI	kzWlzS-TqvydO9SvUUIYclDW0	Tue Mar 27 12:01:49 2018 Page 1 Vp6caBKrYCkXnGr6uoMNzWkm0
-1-6-0 1-6-0		8-0-0 8-0-0			16-0-0 8-0-0	17-6-0
1-0-0		0-0-0			0-0-0	
			4x4 =			Scale = 1:30.5
		BOTH ENDS OF UN-PLATED	4.4			
MEN	MBERS OR EQUIVALENT	CONNECTION BY OTHERS.	3			
				_		
	6.00 12	25			26	
4-4-3						
4						
	24					27
2						4
15	×××××××			XXX	//////////////////////////////////////	5 14
1			11			
3x5 =	12		2x3 10 9	8	7 6	3x5 😂
	12		10 0	· ·	,	
	2-6-0	8-0-0	9-2-0		16-0-0	
Plate Offsets (X,Y) [2:0	2-6-0 0-2-10,0-1-8], [3:0-2-0,0-2-8	5 - 6-0	1-2-0		6-10-0	1
LOADING (psf) TCLL 25.0	SPACING- 2-0- Plate Grip DOL 1.1			n (loc) 2 11-12		TLATES GRIP 1720 185/148
TCDL 7.0	Lumber DOL 1.1	5 BC 0.55	Vert(CT) -0.04	4 11-12	>999 180	1007140
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YE Code IRC2015/TPI2014		Horz(CT) 0.0	1 4	n/a n/a	Veight: 75 lb FT = 0%
	0000 11(02015/11 1201-	Matrix-0				
LUMBER- TOP CHORD 2x4 DF No	2		BRACING- TOP CHORD	Structu	ral wood sheathing directly ap	polied or 6-0-0 oc purlins
BOT CHORD 2x4 DF No	.2		BOT CHORD		eiling directly applied or 10-0-0	
WEBS 2x4 HF Sto OTHERS 2x4 HF Sto						
REACTIONS. All bearin (lb) - Max Horz		2=2-9-8, 12=0-3-8, 12=0-3-8, 10=0-3	3-8.		Cit	y of Portland
	All uplift 100 lb or less at	oint(s) 8, 7, 12 except 2=-133(LC 12	2), 4=-130(LC 13), 9=	-663(LC 1). REVIE	WED FOR CODE
Max Grav	6=-127(LC 13), 10=-208(L All reactions 250 lb or les	C 12) s at joint(s) 9, 8, 7, 12, 12 except 2=4	412(I C 1) 4=420(I C	1) 6=27		OMPLIANCE
max orav	24), 10=888(LC 1)	5 at joint(0) 0, 0, 7, 12, 12 0x00pt 2	412(20 1), 4-420(20	1), 0-21		UG 0 7 2018
FORCES. (lb) - Max Cor	mp./Max. Ten All forces 2	50 (lb) or less except when shown.			A	OU O . LOIO
TOP CHORD 2-3=-455	/144, 3-4=-455/144					
	//298, 11-12=-20/298, 10-11 /298, 4-6=-20/298	=-20/298, 9-10=-20/298, 8-9=-20/29	98, 7-8=-20/298,		nonleasestinggio resource baseaux micro	Doronit Al una ha r
NOTES-					La marchine de la mar	Permit Number

 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
3) 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.

4) Gable studs spaced at 1-4-0 oc.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * 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.

7) 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



Truss Truss Type Qty Ply Ernie Jette Job K4421917 2 18-OT11024 C01 Common Supported Gable Job Reference (optional) 8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:49 2018 Page 1 PRECISION TRUSS & LUMBER, INC., CLACKAMAS.OR, 97015 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-TqvydO9SvUUIYclDW0Vp6caJErfakWSGr6uoMNzWkm0 11-0-0 5-6-0 1-6-0 5-6-0 Scale = 1:20.6 4x4 = 5 2x3 || 6 2x3 || 6.00 12 2x3 || 7 2x3 || 15 2-4-3 13 12 3x4 = 3x4 = 2x3 || 2x3 || 2x3 || 2x3 || 2x3 || 11-0-0 11-0-0 L/d PLATES GRIP LOADING (psf) SPACING-2-0-0 CSI. DEFL. (loc) I/defl Plate Grip DOL TC 0.17 Vert(LL) -0.00 120 MT20 185/148 TCLL 25.0 1.15 n/r TCDL 7.0 Lumber DOL BC 0.07 Vert(CT) -0.00 n/r 90 1.15 BCLL 0.0 Rep Stress Incr YES WB 0.08 0.00 n/a n/a Horz(CT) 8 Code IRC2015/TPI2014 Weight: 44 lb FT = 0%**BCDI** 10.0 Matrix-R 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. **OTHERS** 2x4 HF Std 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.

1) Unbalanced roof live loads have been considered for this design.

- 2) 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
- 3) 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.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 1-4-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * 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.
- 8) 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

MARNING - 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

ANS/ITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply Frnie Jette K4421918 2 18-OT11024 C02 Common Job Reference (optional) 8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:50 2018 Page 1 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-x0TKqkA4goc99mtQ3k02eq6S?FyzTzEQ3mdLupzWkm? PRECISION TRUSS & LUMBER, INC., CLACKAMAS,OR. 97015 11-0-0 -1-6-0 5-6-0 1-6-0 Scale = 1:20.4 4x4 = 6.00 12 0-4-3 5 2x3 3x4 = 11-0-0 5-6-0 5-6-0 Plate Offsets (X,Y)--[3:0-2-0,0-2-4] LOADING (psf) SPACING-CSI. DEFL. (loc) I/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 n/a n/a Code IRC2015/TPI2014 Weight: 37 lb FT = 0%BCDL 10.0 Matrix-R 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.

2x4 HF Std **WEBS**

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-

1) Unbalanced roof live loads have been considered for this design.

2) 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

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 4) * 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.
- 5) 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.





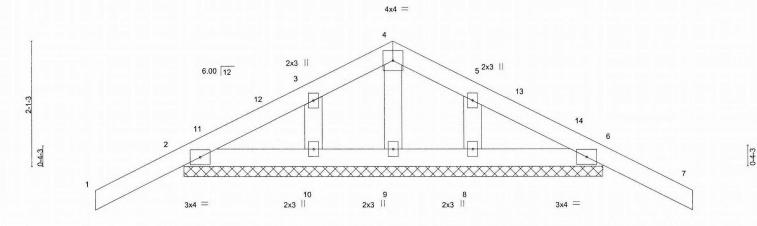
EXPIRES: 12-31-2019 March 27,2018

MARNING - 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 buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent occliapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP14 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Ernie Jette Truss Truss Type Ply Job Qty K4421919 18-OT11024 D01 Common Supported Gable 1 Job Reference (optional) 8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:51 2018 Page 1 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-QD1i24BjR6k0nwScdRYHB1feGeMICPAZIQNuQFzWkm_ PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015 1-6-0 7-0-0 8-6-0 1-6-0 3-6-0 3-6-0 1-6-0

Scale = 1:18 6



				, 		7-0-0					1	
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.01	7	n/r	120	MT20	185/148
CDL	7.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.01	7	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TI	PI2014	Matri	x-P						Weight: 29 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

7-0-0

LUMBER-

TOP CHORD 2x4 DF No.2

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

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

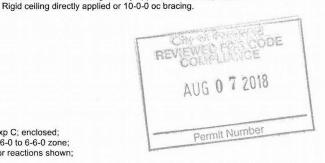
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) 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 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
- 3) 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.
- 5) Gable studs spaced at 1-4-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.



Structural wood sheathing directly applied or 6-0-0 oc purlins.



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 properly 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.



Job Truss Truss Type Qty Ply Ernie Jette K4421920 18-OT11024 F01 Monopitch Supported Gable 1 Job Reference (optional) PRECISION TRUSS & LUMBER, INC., 8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:52 2018 Page 1 CLACKAMAS OR 97015 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-uPb4FQBLCPssP41oB93WkFCpT2fGxtVjX46SyizWklz -1-6-0 1-6-0 2-0-0 Scale = 1:10.8 6 6.00 12 0-11-8 2 0-4-3 3x4 = 2-0-0 LOADING (psf) SPACING-**PLATES** DEFL. in I/defl L/d (loc) TCLL 25.0 Plate Grip DOL 1.15 TC 0.24 Vert(LL) -0.03 MT20 220/195 >931 240 TCDL 7.0 Lumber DOL 1.15 0.14 Vert(CT) -0.04 >635 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.00 3 n/a n/a BCDL Code IRC2015/TPI2014 FT = 0% 10.0 Matrix-P Weight: 8 lb LUMBER-**BRACING-**TOP CHORD 2x4 DF No.2 TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins. **BOT CHORD** 2x4 DF No.2 **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; 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.

City of Partiand
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COMPLIANCE
AUG 0 7 2018

Permit Number



EXPIRES: 12-31-2019 March 27,2018



Job Truss Truss Type Qty Ply Ernie Jette K4421921 18-OT11024 E02 Monopitch Job Reference (optional) 8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:52 2018 Page 1 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-uPb4FQBLCPssP41oB93WkFCq22hxxtVjX46SyizWklz PRECISION TRUSS & LUMBER, INC., CLACKAMAS,OR. 97015 -1-6-0 2-0-0 1-6-0 Scale = 1:10.8 6 6.00 12 0-11-8 2 0-4-3 3x4 = 2-0-0 LOADING (psf) PLATES GRIP SPACING-2-0-0 DEFL CSI. (loc) I/defl 1/d 220/195 25.0 Plate Grip DOL -0.00 TCLL 1.15 TC 0.14 Vert(LL) >999 240 MT20 BC TCDL 7.0 Lumber DOL 1.15 0.03 Vert(CT) -0.00 >999 180 0.0 WB **BCLL** Rep Stress Incr YES 0.00 Horz(CT) -0.00 3 n/a n/a Code IRC2015/TPI2014 FT = 0% BCDL Matrix-P Weight: 8 lb 10.0 LUMBER-**BRACING-**TOP CHORD 2x4 DF No.2 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.

BOT CHORD 2x4 DF No.2

(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.

REACTIONS.

- 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.

City of Portland AUG 0 7 2018 Permit Number



EXPIRES: 12-31-2019 March 27,2018

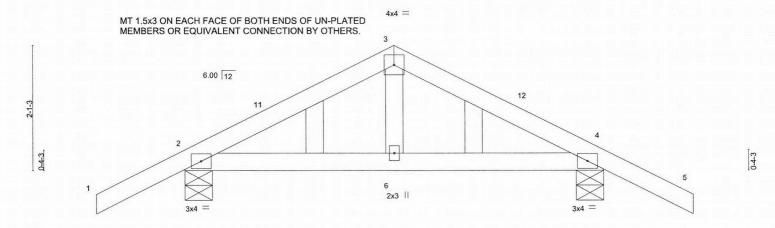
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property 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

ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Ernie Jette Job Truss Truss Type Qty Ply K4421922 F01 GABLE 18-OT11024 Job Reference (optional) 8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:53 2018 Page 1 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-Mb9SSmCzzj_j0Dc_lsalGSk?8S01gJaslks?U8zWkly PRECISION TRUSS & LUMBER, INC. CLACKAMAS, OR. 97015 7-0-0 -1-6-0 3-6-0

Scale = 1:18.6



		-		3-6-0 3-6-0			7-0-0 3-6-0					
LOADING TCLL	(psf) 25.0	SPACING- Plate Grip DOL	2-0-0 1.15	CSI.	0.18	DEFL. Vert(LL)	in -0.00	(loc) 2-6	l/defl >999	L/d 240	PLATES MT20	GRIP 185/148
TCDL	7.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	2-6	>999	180	IVITZO	103/140
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code IRC2015/Ti	YES PI2014	WB Matri	0.07 - P	Horz(CT)	0.00	4	n/a	n/a	Weight: 29 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 DF No.2

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

OTHERS 2x4 HF Std

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.

- 2) 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
- 3) 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.

4) Gable studs spaced at 1-4-0 oc.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * 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.
- 7) 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.



EXPIRES: 12-31-2019 March 27,2018

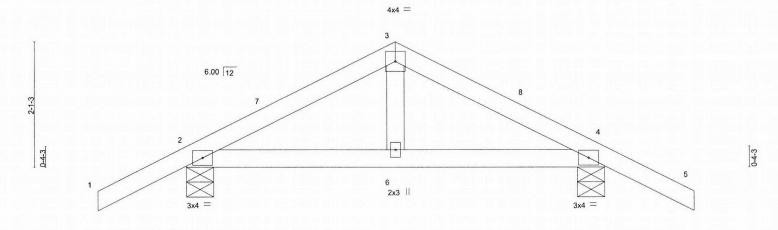
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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 MSSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Truss Qty Ply Ernie Jette Job Truss Type K4421923 18-OT11024 F02 Common 2 Job Reference (optional) 8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:54 2018 Page 1 PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-qojrg6Dbk16aeNBBla5_pgHAusMGPmq?_ObZ0azWklx 7-0-0 8-6-0 1-6-0 1-6-0 3-6-0 3-6-0

Scale = 1:18.6



				3-6-0 3-6-0				7				
LOADING	G (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	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/TI	PI2014	Matri	x-P						Weight: 27 lb	FT = 0%

BRACING-

TOP CHORD BOT CHORD

LUMBER-

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

2x4 HF Std

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-

1) Unbalanced roof live loads have been considered for this design.
2) 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

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * 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.

5) 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.

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Permit Number

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.



EXPIRES: 12-31-2019 March 27,2018



Job Truss Truss Type Qty Ply Ernie Jette K4421924 18-OT11024 F03 COMMON Job Reference (optional) 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 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-qojrg6Dbk16aeNBBla5_pgH8XsMFPmq?_ObZ0azWklx 3-6-0 8-6-0 3-6-0 Scale = 1:16.3 4x4 = 6.00 12 3 0-4-3 5 2x3 || 3-6-0 3-6-0 Plate Offsets (X,Y)--[1:Edge,0-0-4], [3:0-0-0,0-0-4] LOADING (psf) SPACING-CSI. DEFL. in (loc) I/defl L/d **PLATES** GRIP 25.0 Plate Grip DOL 1.15 0.27 Vert(LL) -0.00 1-5 240 MT20 185/148 TCLL TC >999 TCDL 7.0 Lumber DOL 1.15 BC 0.11 Vert(CT) -0.01 1-5 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.07 Horz(CT) 0.00 3 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-P Weight: 24 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** Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 DF No.2 **BOT CHORD WEBS** 2x4 HF Std REACTIONS. (lb/size) 1=260/0-5-8, 3=400/0-5-8 City 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 AUL C. 1) Unbalanced roof live loads have been considered for this design. 2) 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

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * 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.

5) 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.

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> EXPIRES: 12-31-2019 March 27,2018

A 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

ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply Ernie Jette K4421925 18-OT11024 F04 Common Job Reference (optional) 8.210 s Feb 12 2018 MiTek Industries, Inc. Tue Mar 27 12:01:55 2018 Page 1 PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015 ID:UKXeAVNW63qjThhwCGNjlkzWlzS-I_GDtSEDVKERGXmNsHcDLtqLdGiZ8D59D2L6Y1zWklw 6-8-0 -1-6-0 3-6-0 3-2-0 1-6-0 3-6-0 Scale = 1:16.2 4x4 = 3 6.00 12 0-6-3 0-4-3 5 2x3 || 3x4 = 3-6-0 6-8-0 3-6-0 3-2-0 **PLATES** GRIP LOADING (psf) SPACING-2-0-0 CSI DEFL (loc) I/defl 1/d Plate Grip DOL -0.00 185/148 TCLL 25.0 1.15 TC 0.18 Vert(LL) 2-5 >999 240 MT20 BC TCDL Lumber DOL 7.0 1.15 0.10 Vert(CT) -0.01 2-5 >999 180 0.0 WB 0.07 BCLL Rep Stress Incr YES Horz(CT) 0.00 n/a n/a BCDL Code IRC2015/TPI2014 FT = 0%10.0 Matrix-P Weight: 24 lb LUMBER-**BRACING-**TOP CHORD TOP CHORD 2x4 DF No.2 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

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-

1) Unbalanced roof live loads have been considered for this design.

- 2) 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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) 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.

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Permit Number

89200PE OREGON

EXPIRES: 12-31-2019 March 27,2018

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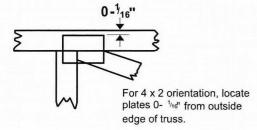


Symbols

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.



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.

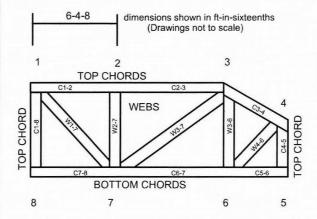
Industry Standards:

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

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- 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.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- 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.
- 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.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 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.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.