



SITE PLAN

SCALE: 1" = 100'

NOTE: SEE SHEET A10 FOR
ADDITIONAL NOTES AND
DETAILS.



FIRST FLOOR PLAN



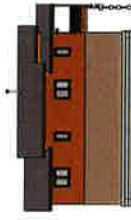
BASEMENT PLAN



EXTERIOR PERSPECTIVE



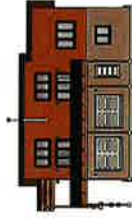
INTERIOR PERSPECTIVE



FRONT ELEVATION



RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION

DIEM RESIDENCE

LOT 122 - THE CROSSINGS SUBDIVISION

SHEET INDEX

A0.0	COVER	A3.1	BUILDING SECTIONS
A0.1	PERSPECTIVES	A3.2	WALL SECTION & DETAILS
A1.0	SITE & GRADING PLAN	A3.3	TYPICAL DETAILS
A1.1	FOUNDATION PLAN	A3.4	DECK DETAILS
A1.2	BASEMENT PLAN	A3.5	SHEAR WALL DESIGN
A1.3	FIRST FLOOR PLAN	A4.1	WINDOW SCHEDULE
A1.4	ROOF PLAN	A4.2	DOOR SCHEDULE
A1.5	FRAMING PLAN	A5.1	KITCHEN DESIGN
A2.1	ELEVATIONS	A6.1	ELECTRICAL PLAN
A2.2	ELEVATIONS	A7.1	BUILDING CODE & SPECIFICATIONS

CONSTRUCTION DOCUMENTS
MAY 1, 2020

CARVIN

CREATIONS

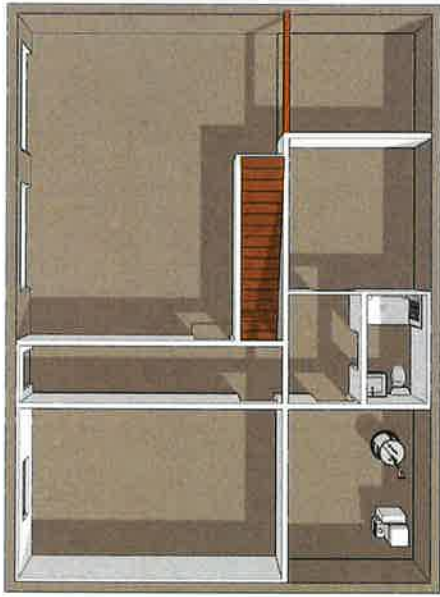
PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

1. CARVIN CREATIONS 2020. ALL RIGHTS RESERVED. THIS DOCUMENT IS THE PROPERTY OF CARVIN CREATIONS. IT IS TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CARVIN CREATIONS. OWNERSHIP OF THE DESIGN PLANS AND SPECIFICATIONS IS SOLELY WITH CARVIN CREATIONS.



PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

U CARVIN CREATIONS, 2020
ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM CARVIN CREATIONS. THE DESIGN, PLANS, AND SPECIFICATIONS ARE SOLELY THE PROPERTY OF CARVIN CREATIONS.



BASEMENT PERSPECTIVE

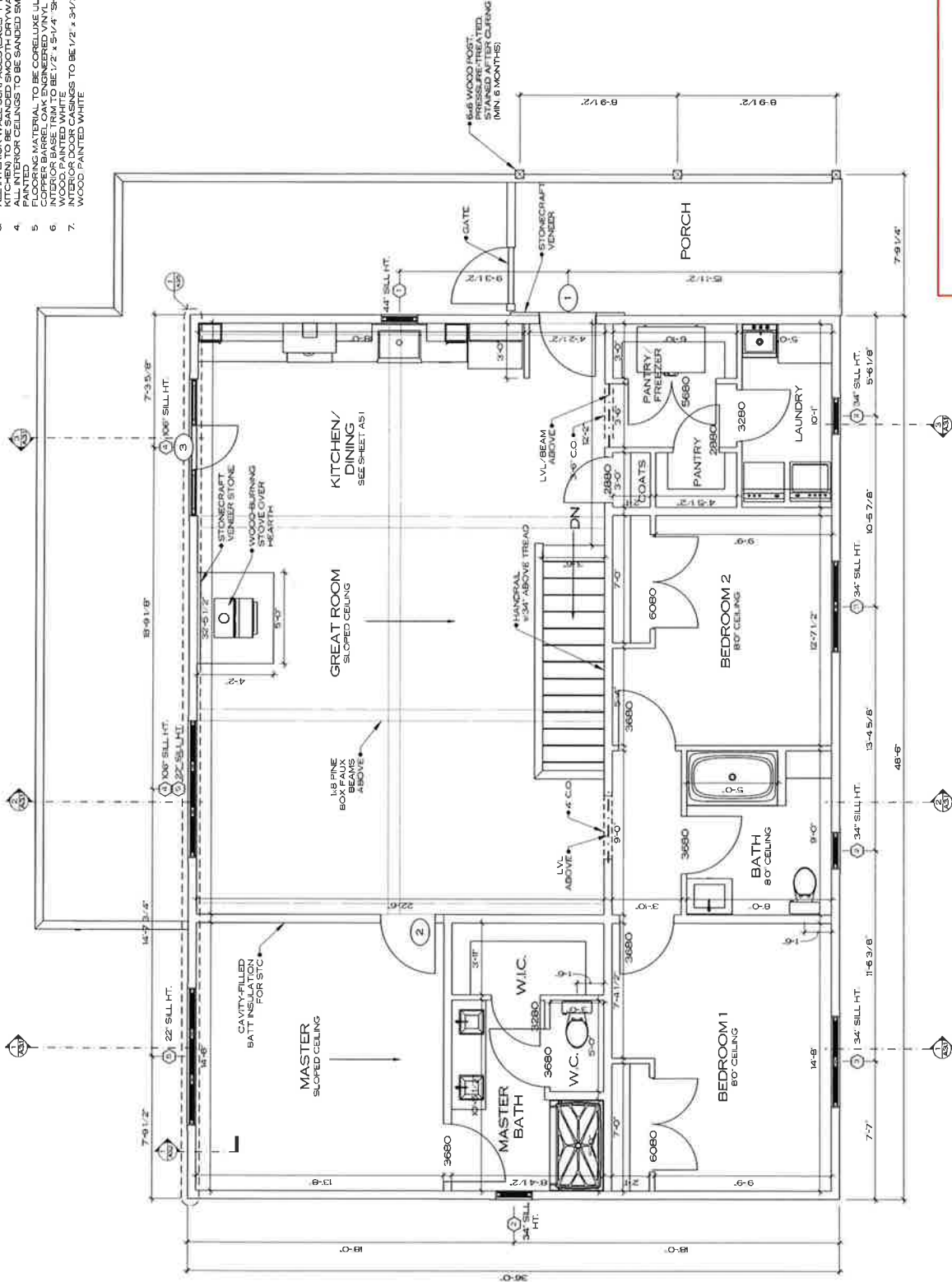


FIRST FLOOR PERSPECTIVE

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

FIRST FLOOR PLAN
SCALE: 3/8" = 1'-0"

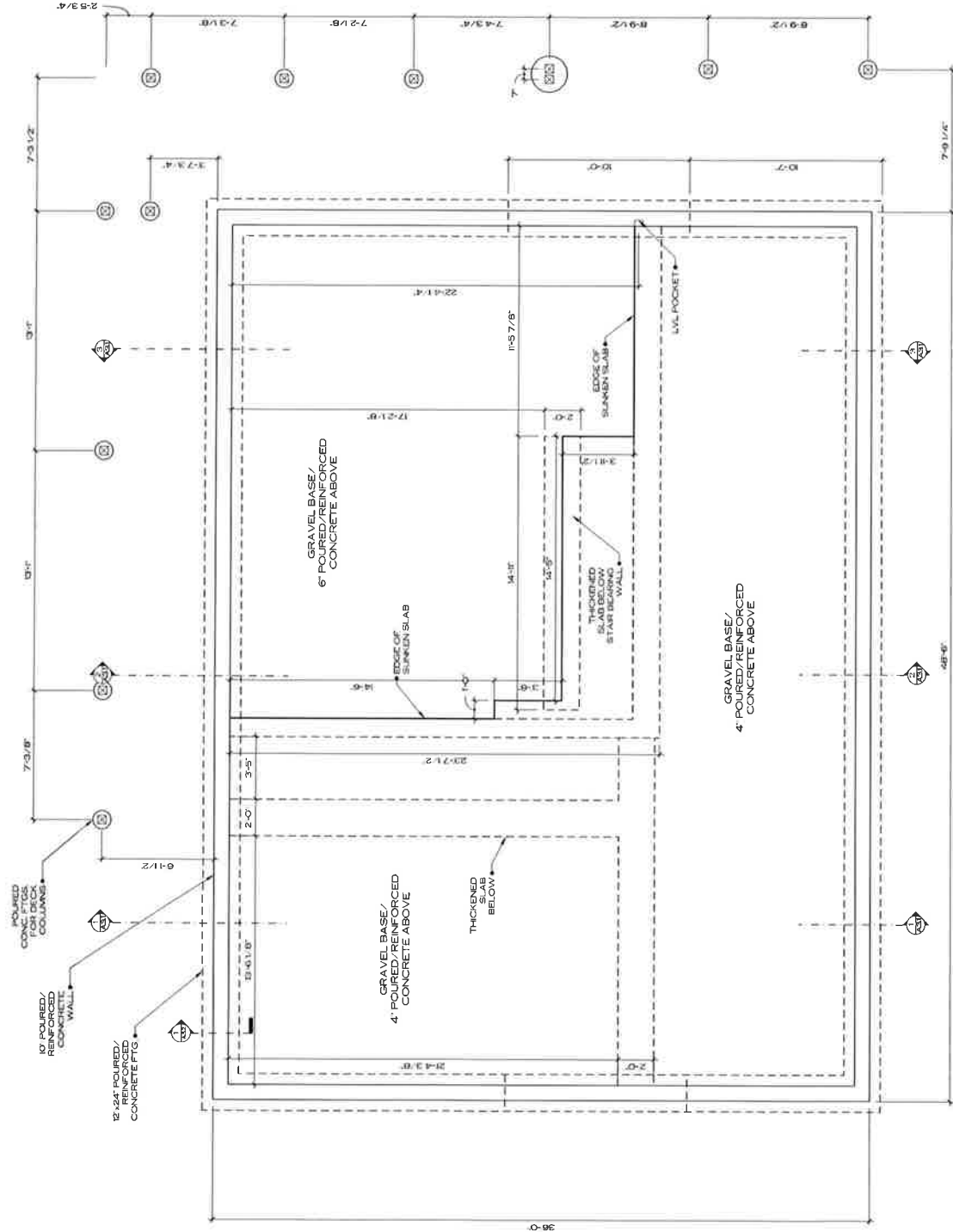
- NOTES:
1. DOOR BLOCKING FOR FUTURE GRAB BARS IN ALL BATHROOMS (SHOWERS & TOILETS).
 2. INTERIOR PARTITIONS - 2x4 STUD FRAMED WALLS, BEARING & PLUMBING ALL INTERIOR WALL SURFACES EXCEPT TILED BACKSPLASH IN KITCHEN TO BE SANDED SMOOTH DRYWALL FINISH AND PAINTED.
 3. ALL INTERIOR WALL SURFACES EXCEPT TILED BACKSPLASH IN KITCHEN TO BE SANDED SMOOTH DRYWALL FINISH AND PAINTED.
 4. FLOORING MATERIAL TO BE CORELUXE ULTRA 7MM WATERPROOF VINYL COMPOSITE LAMINATE 12" x 24" x 5/8" SHAKER STYLE SOLID PINE.
 5. INTERIOR BASE TRIM TO BE 1/2" x 3/4" SHAKER STYLE SOLID PINE.
 6. WOOD DOOR CASINGS TO BE 1/2" x 3/4" SHAKER STYLE SOLID PINE.
 7. WOOD PAINTED WHITE.



THESE PLANS AND SPECIFICATIONS ARE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. NO REUSE, REPRODUCTION, OR PUBLICATION OF ANY PART OF THESE PLANS IS PERMITTED WITHOUT THE WRITTEN CONSENT OF CARVIN CREATIONS. THE DESIGN, CONSTRUCTION, AND BUILDING OF THIS PROJECT IS THE PROPERTY OF CARVIN CREATIONS.

**PRELIMINARY DESIGN
NOT FOR CONSTRUCTION**

1. CARVIN CREATIONS 2020
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
PREPARED. ANY REUSE OR MODIFICATION OF THESE PLANS OR SPECIFICATIONS WITHOUT THE WRITTEN
AUTHORIZATION OF CARVIN CREATIONS, VIOLATES THE DESIGN TEAM AND SPECIFICATION IS SOLELY WITH
CARVIN CREATIONS



FOUNDATION PLAN
SCALE: 3/8" = 1'-0"

- NOTES:**
1. ALL FOOTINGS BELOW 30" FROST LINE
 2. CENTER THICKENED SLABS BELOW BEARING WALLS
 3. MIN PSI STRENGTH THE FOOTINGS - 3,000; FOUNDATION WALLS - 4,000; SLABS - 3,500

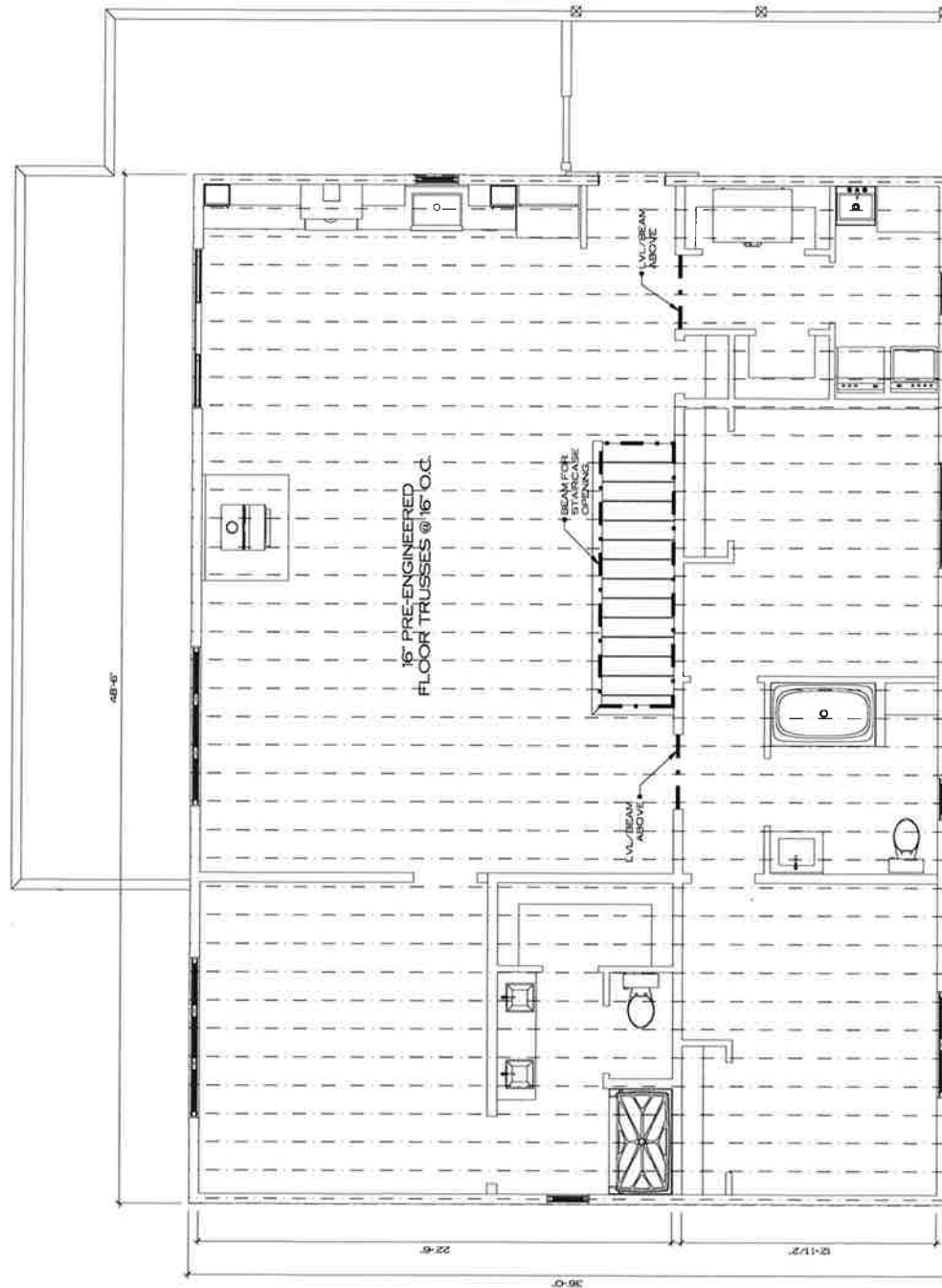
FRAMING PLAN

SCALE: 3/8" = 1'-0"

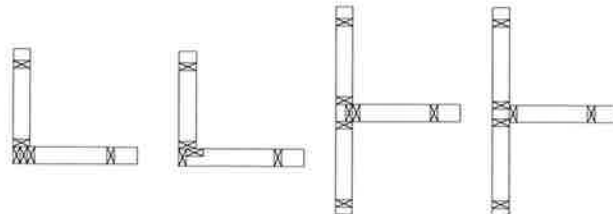
- NOTES:
1. EXTERIOR WALLS ARE 2-6 WOOD STUD @ 16" O.C. WITH DOUBLE 2-6 TOP PLATES.
2. ALL INTERIOR PARTITIONS AND NON-LOAD-BEARING WALLS ARE 2-6 WOOD STUD @ 16" O.C. WITH SINGLE 2-6 TOP PLATES.
3. ALL INTERIOR PARTITIONS AND NON-LOAD-BEARING WALLS ARE 2-6 WOOD STUD @ 24" O.C. WITH SINGLE 2-6 TOP PLATE.
4. INTERIOR WINDOW AND DOOR OPENING HEADS: (3) 2-4 WITH 1/2" WOOD SPACER BETWEEN LAYERS & BEARING ON EACH END.
5. INTERIOR WINDOW AND DOOR OPENING HEADS: (1) 2-4 WITH 1/2" WOOD SPACER BETWEEN LAYERS & BEARING ON EACH END.
6. INTERIOR PARTITIONS AND NON-LOAD-BEARING WALL OPENING HEADS: (1) 2-4 WITH CRIPPLES ABOVE TOP PLATE BEARING ON EACH END.

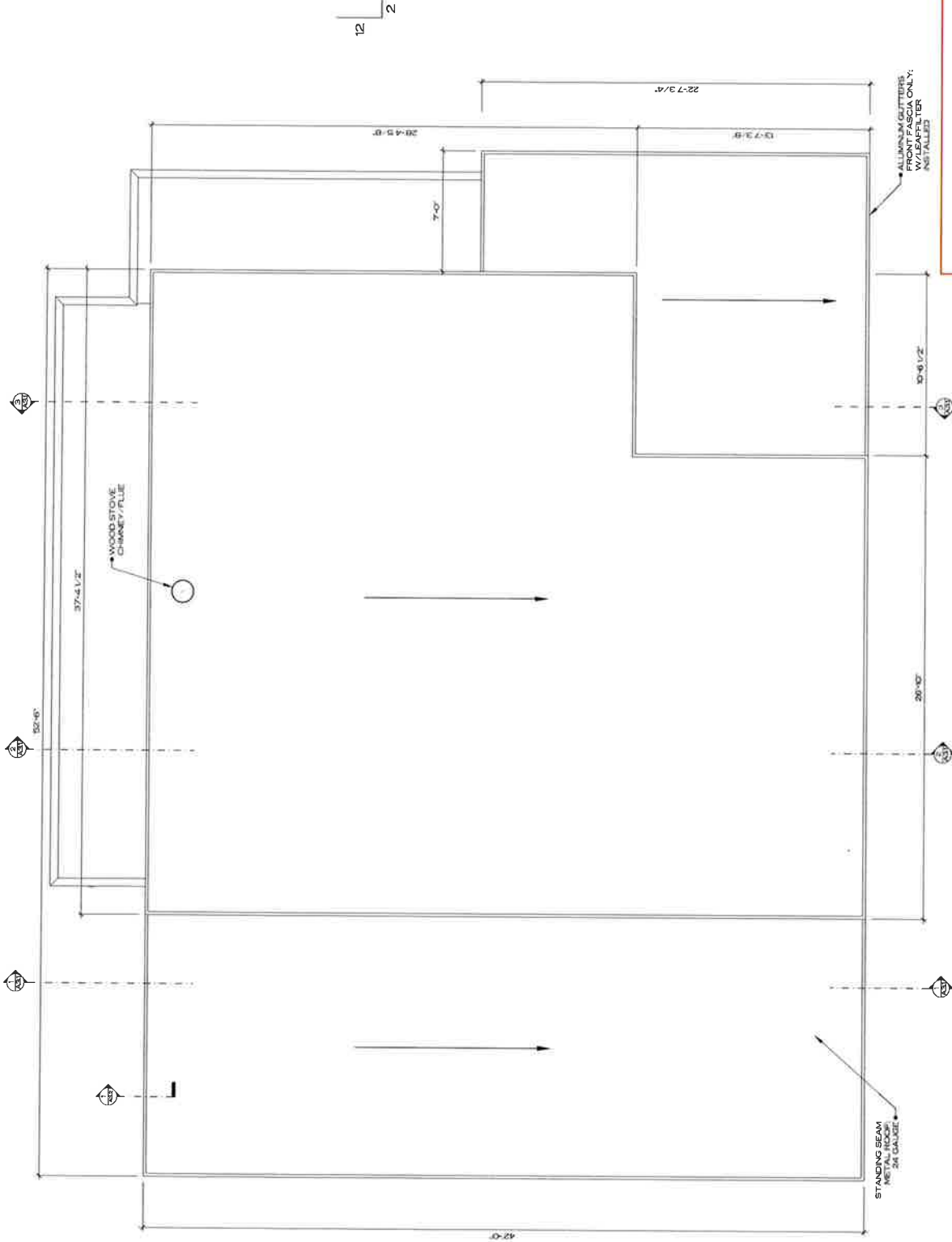
PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

© CARVIN CREATIONS 2020
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED UNLESS
AUTHORIZED BY CARVIN CREATIONS. OWNERSHIP OF THE DESIGN, PLANS AND SPECIFICATION IS SOLELY WITH
CARVIN CREATIONS.



CORNER FRAMING





**PRELIMINARY DESIGN
NOT FOR CONSTRUCTION**

ROOF PLAN
SCALE 3/8" = 1'-0"

© CARVIN CREATIONS 2020
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
DESIGNED. ANY REUSE OR MODIFICATION OF THESE PLANS OR SPECIFICATIONS WITHOUT THE WRITTEN
AUTHORIZATION OF CARVIN CREATIONS, VIOLATES THE DESIGN PLAN AND SPECIFICATION IS SOLELY WITH
CARVIN CREATIONS

**PRELIMINARY DESIGN
NOT FOR CONSTRUCTION**

© CARVIN CREATIONS 2020
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
DESIGNED. ANY REUSE OR MODIFICATION OF THESE PLANS WITHOUT THE WRITTEN PERMISSION OF CARVIN
CREATIONS IS PROHIBITED.



FRONT ELEVATION
SCALE: 3/8" = 1'-0"

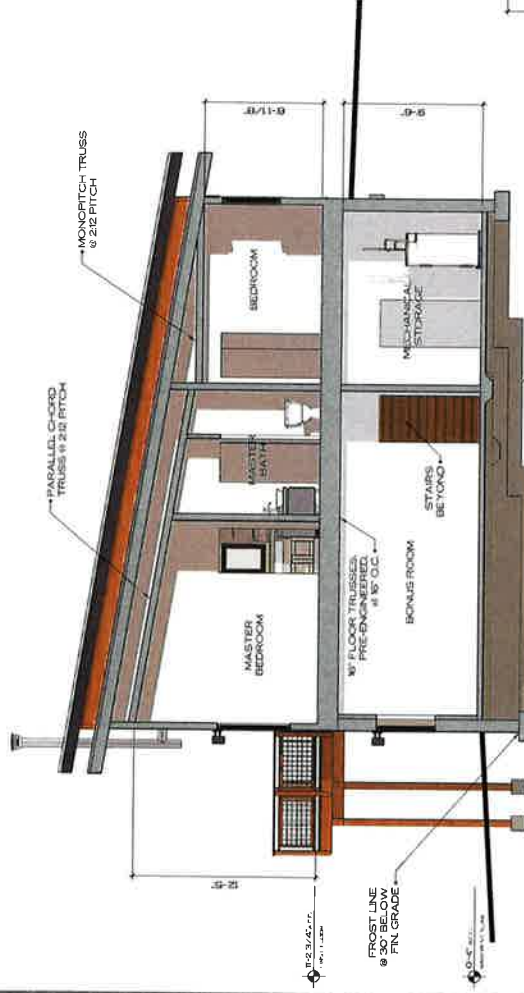
**PRELIMINARY DESIGN
NOT FOR CONSTRUCTION**

1. CARVIN CREATIONS, 2020
ALL DIMENSIONS AND SPECIFICATIONS ARE INTENDED TO BE CONSIDERED TO THE ORIGINAL. SEE FOR ANY CHANGES, USE OF
AND/OR REVISIONS. REPRODUCTION OF THIS DOCUMENT BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. ALL RIGHTS
RESERVED. THIS DOCUMENT IS THE PROPERTY OF CARVIN CREATIONS AND IS TO BE USED SOLELY WITHIN THE PROJECT FOR WHICH IT WAS
PREPARED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING
PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM
CARVIN CREATIONS.

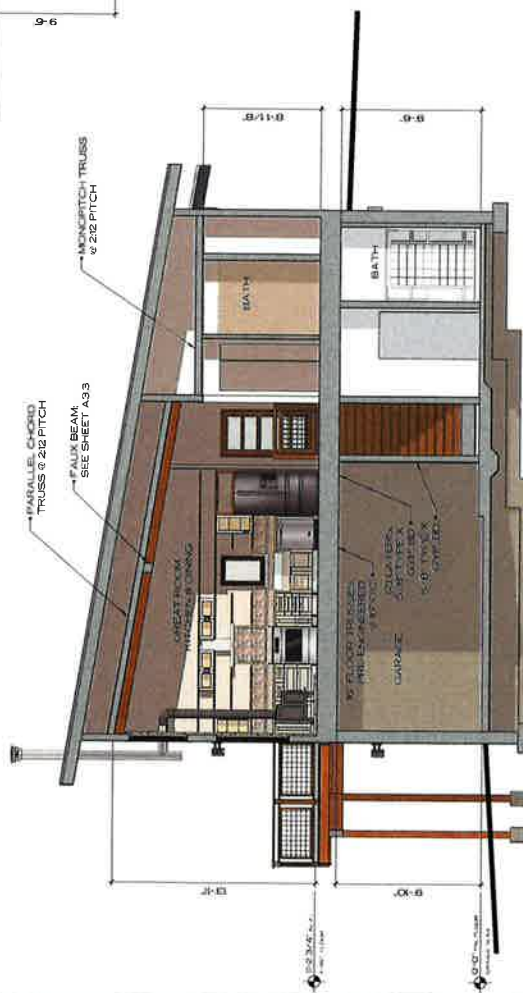


PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

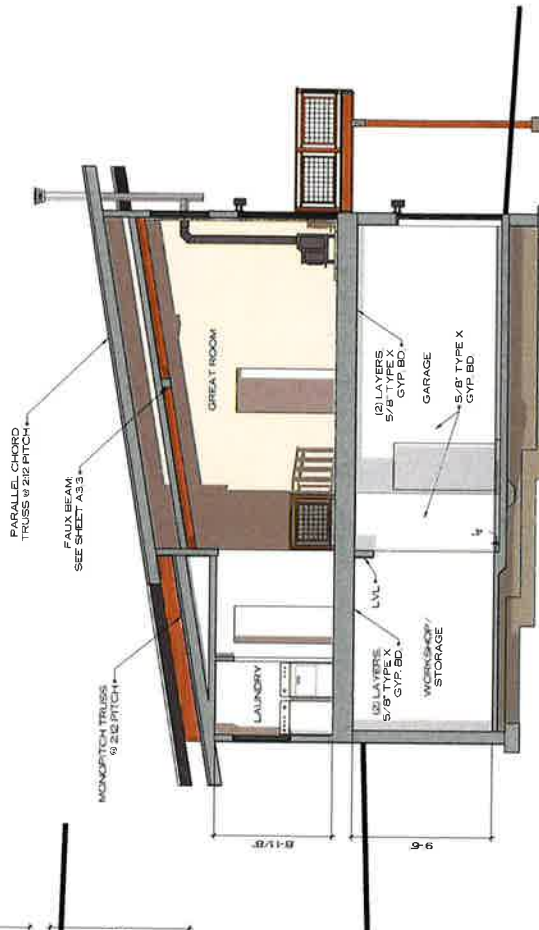
1. CARVIN CREATIONS ARCHITECTS
THE NAME OF THE ARCHITECT AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
DESIGNED. ANY REUSE OF THIS INFORMATION FOR ANY OTHER PROJECT OR PUBLICATION BY ANY METHOD IS PROHIBITED UNLESS
AUTHORIZED BY CARVIN CREATIONS. ANY REUSE OF THE DESIGN, NAME AND SPECIFICATIONS IS PROHIBITED. WITH
CARVIN CREATIONS.



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



2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



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



VINCENT P. DIEM, B. ARCH
313 BLUEBIRD DRIVE
STEPHENS CITY, VA 22655
540-247-6170

ENCE
SUBDIVISION
T VIRGINIA
CROSSINGS VIEW RD.
PAW PAW, WV
TAX ID NO. 1-19A-122

DIEM RESIDENCE
LOT 122 - THE CROSSINGS SUBDIVISION
HAMPSHIRE COUNTY, WEST VIRGINIA

DOCUMENT DATE:

DOCUMENT
MAY 1 2020

DOCUMENT PHASE:
CONSTRUCTION DOCUMENTS

Unit	Unit	Unit
Unit 1	Unit 2	Unit 3
Unit 4	Unit 5	Unit 6
Unit 7	Unit 8	Unit 9
Unit 10	Unit 11	Unit 12
Unit 13	Unit 14	Unit 15
Unit 16	Unit 17	Unit 18
Unit 19	Unit 20	Unit 21
Unit 22	Unit 23	Unit 24
Unit 25	Unit 26	Unit 27
Unit 28	Unit 29	Unit 30
Unit 31	Unit 32	Unit 33
Unit 34	Unit 35	Unit 36
Unit 37	Unit 38	Unit 39
Unit 40	Unit 41	Unit 42
Unit 43	Unit 44	Unit 45
Unit 46	Unit 47	Unit 48
Unit 49	Unit 50	Unit 51
Unit 52	Unit 53	Unit 54
Unit 55	Unit 56	Unit 57
Unit 58	Unit 59	Unit 60
Unit 61	Unit 62	Unit 63
Unit 64	Unit 65	Unit 66
Unit 67	Unit 68	Unit 69
Unit 70	Unit 71	Unit 72
Unit 73	Unit 74	Unit 75
Unit 76	Unit 77	Unit 78
Unit 79	Unit 80	Unit 81
Unit 82	Unit 83	Unit 84
Unit 85	Unit 86	Unit 87
Unit 88	Unit 89	Unit 90
Unit 91	Unit 92	Unit 93
Unit 94	Unit 95	Unit 96
Unit 97	Unit 98	Unit 99
Unit 100	Unit 101	Unit 102
Unit 103	Unit 104	Unit 105
Unit 106	Unit 107	Unit 108
Unit 109	Unit 110	Unit 111
Unit 112	Unit 113	Unit 114
Unit 115	Unit 116	Unit 117
Unit 118	Unit 119	Unit 120
Unit 121	Unit 122	Unit 123
Unit 124	Unit 125	Unit 126
Unit 127	Unit 128	Unit 129
Unit 130	Unit 131	Unit 132
Unit 133	Unit 134	Unit 135
Unit 136	Unit 137	Unit 138
Unit 139	Unit 140	Unit 141
Unit 142	Unit 143	Unit 144
Unit 145	Unit 146	Unit 147
Unit 148	Unit 149	Unit 150
Unit 151	Unit 152	Unit 153
Unit 154	Unit 155	Unit 156
Unit 157	Unit 158	Unit 159
Unit 160	Unit 161	Unit 162
Unit 163	Unit 164	Unit 165
Unit 166	Unit 167	Unit 168
Unit 169	Unit 170	Unit 171
Unit 172	Unit 173	Unit 174
Unit 175	Unit 176	Unit 177
Unit 178	Unit 179	Unit 180
Unit 181	Unit 182	Unit 183
Unit 184	Unit 185	Unit 186
Unit 187	Unit 188	Unit 189
Unit 190	Unit 191	Unit 192
Unit 193	Unit 194	Unit 195
Unit 196	Unit 197	Unit 198
Unit 199	Unit 200	Unit 201
Unit 202	Unit 203	Unit 204
Unit 205	Unit 206	Unit 207
Unit 208	Unit 209	Unit 210
Unit 211	Unit 212	Unit 213
Unit 214	Unit 215	Unit 216
Unit 217	Unit 218	Unit 219
Unit 220	Unit 221	Unit 222
Unit 223	Unit 224	Unit 225
Unit 226	Unit 227	Unit 228
Unit 229	Unit 230	Unit 231
Unit 232	Unit 233	Unit 234
Unit 235	Unit 236	Unit 237
Unit 238	Unit 239	Unit 240
Unit 241	Unit 242	Unit 243
Unit 244	Unit 245	Unit 246
Unit 247	Unit 248	Unit 249
Unit 250	Unit 251	Unit 252
Unit 253	Unit 254	Unit 255
Unit 256	Unit 257	Unit 258
Unit 259	Unit 260	Unit 261
Unit 262	Unit 263	Unit 264
Unit 265	Unit 266	Unit 267
Unit 268	Unit 269	Unit 270
Unit 271	Unit 272	Unit 273
Unit 274	Unit 275	Unit 276
Unit 277	Unit 278	Unit 279
Unit 280	Unit 281	Unit 282
Unit 283	Unit 284	Unit 285
Unit 286	Unit 287	Unit 288
Unit 289	Unit 290	Unit 291
Unit 292	Unit 293	Unit 294
Unit 295	Unit 296	Unit 297
Unit 298	Unit 299	Unit 300
Unit 301	Unit 302	Unit 303
Unit 304	Unit 305	Unit 306
Unit 307	Unit 308	Unit 309
Unit 310	Unit 311	Unit 312

ELEVATIONS

A2.2

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

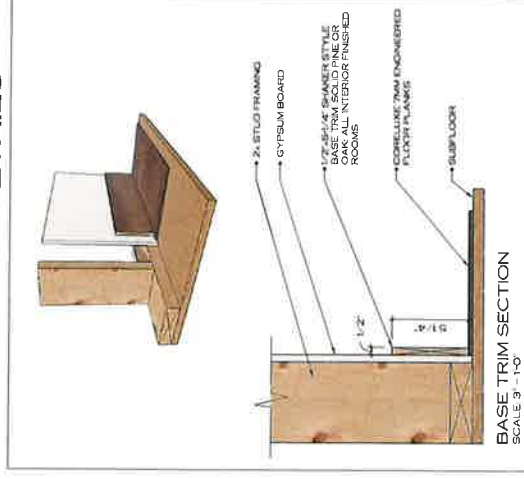
© CARVIN CREATIONS, 2020
THE USE OF THE PLAN AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
PREPARED. NO USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PERMITTED UNLESS
AUTHORIZED BY CARVIN CREATIONS. OWNERSHIP OF THE DESIGN PLAN AND SPECIFICATION IS SOLELY WITH
CARVIN CREATIONS.



REAR ELEVATION
SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"

INTERIOR TRIM DETAILS



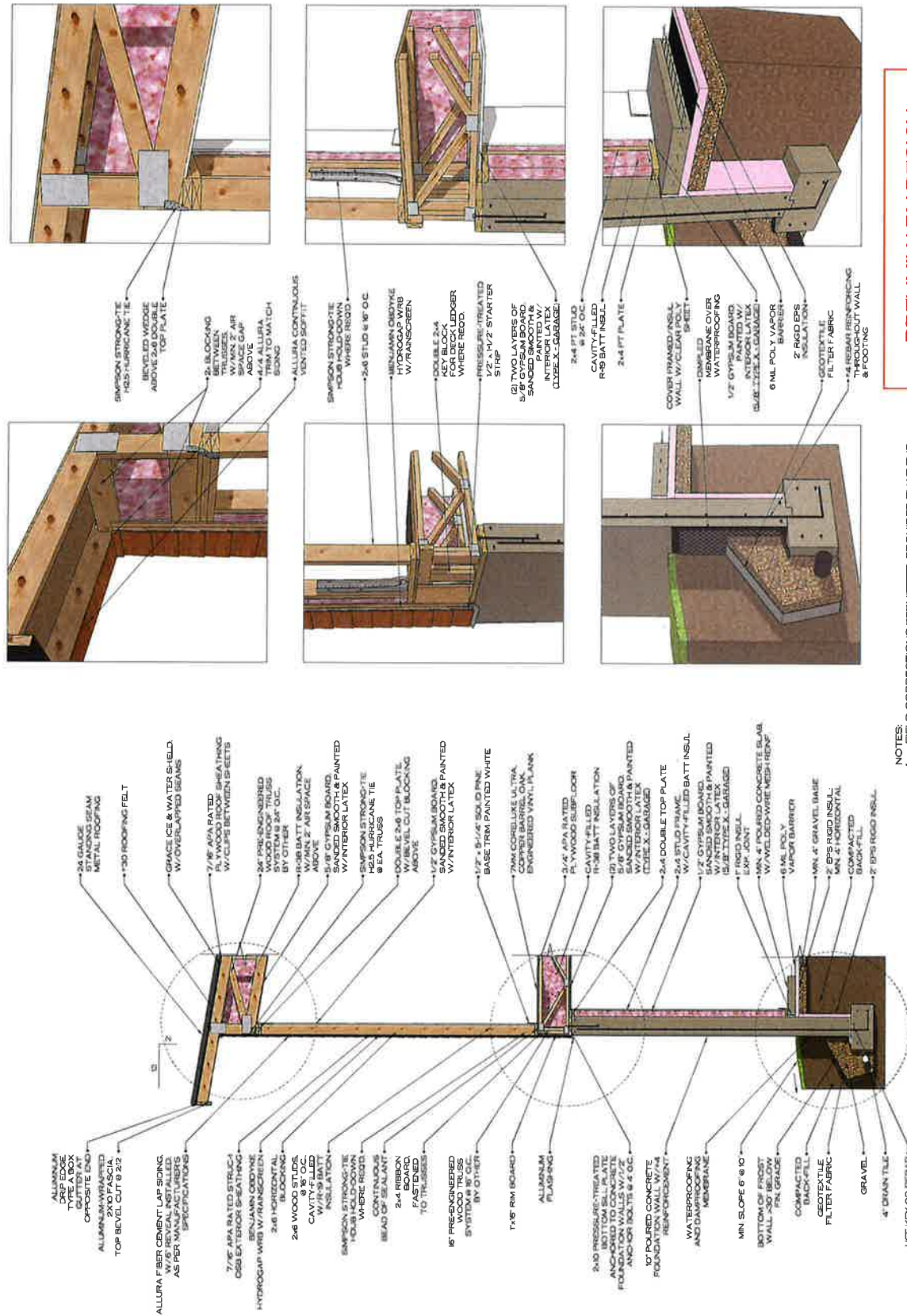
DIEM RESIDENCE
LOT 122 - THE CROSSINGS SUBDIVISION
HAMPSHIRE COUNTY, WEST VIRGINIA



INTERIOR TRIM PERSPECTIVE SCALENTS



CARVIN CREATIONS, 2020
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
PREPARED. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED UNLESS
AUTHORIZED BY CARVIN CREATIONS. OWNERSHIP OF THE DESIGN PLANS AND SPECIFICATION IS SOLELY WITH
CARVIN CREATIONS.



PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

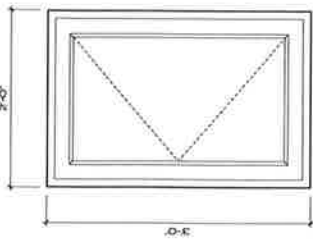
NOTES:

1. FIELD CORRECTIONS PERMITTED, PROVIDED THAT THE MINIMUM STANDARDS OF THE 2015 IRC ARE EITHER MET OR OTHERWISE EXCEEDED

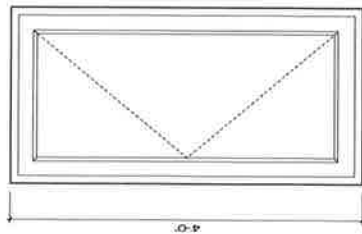
2. MANUFACTURER'S SPECIFICATIONS MUST BE FOLLOWED FOR ALL MATERIALS SPECIFIED WITHIN THIS PAGE AND THROUGHOUT CONSTRUCTION DRAWING SET

① WALL SECTION
SCALE 1/2" = 1'-0"

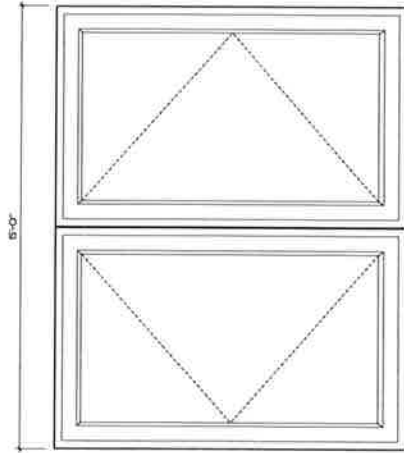
© CARVIN CREATIONS, 2020
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED UNLESS
AUTHORIZED BY CARVIN CREATIONS. COPYRIGHT © OF THE DESIGN PLANS AND SPECIFICATIONS SOLELY WITH
CARVIN CREATIONS.



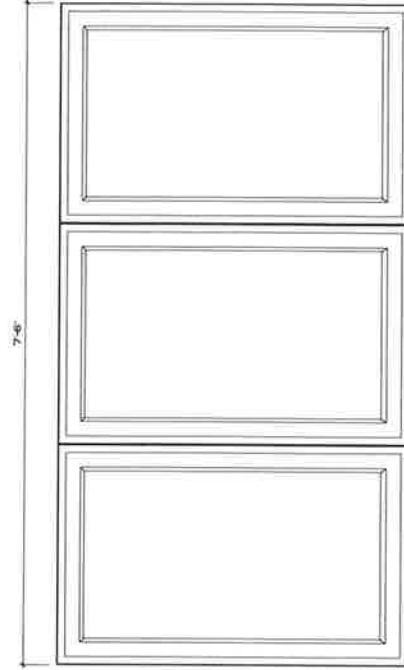
① 100CS2030
(3) TOTAL - KITCHEN



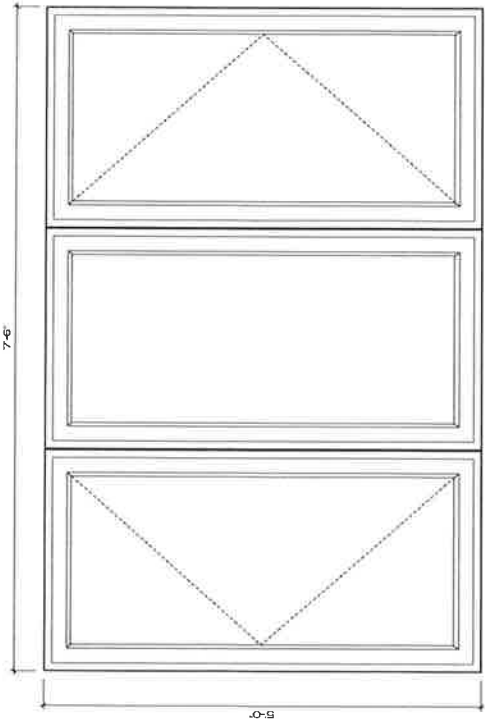
② 100CS2040
(3) TOTAL - LAUNDRY & (2) BATHROOMS



③ 100CS2640 - 2
(3) TOTAL - BONUS ROOM (BASEMENT) & (2) BEDROOMS



④ 100REC2640 - 3
(2) TOTAL - GREAT ROOM & KITCHEN/DINING



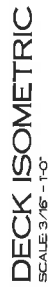
⑤ 100CS2650 - 3 (L-S-R)
(2) TOTAL - GREAT ROOM & MASTER

WINDOW SCHEDULE

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

- NOTES:
- WINDOWS AS SPECIFIED ARE ANDERSEN 100 SERIES
 - ACCEPTABLE SUBSTITUTIONS - MARVIN ESSENTIAL SERIES OR PELLA IMPERIAL
 - FOR ALL WINDOWS, MANUFACTURER'S FINISHES MUST BE FROM SAME MANUFACTURER AND SERIES
 - EXTERIOR FINISH: EBNY, BLACK, OR CHARCOAL
 - INTERIOR FINISH: EBNY, BLACK, OR CHARCOAL
 - INTERIOR HARDWARE: EBNY, BLACK, OR CHARCOAL
 - SLIP HEIGHTS: 2" FOR ALL WINDOWS
 - JAMB EXTENSIONS REQUIRED FOR 2x6 FRAMED EXTERIOR WALLS
 - FOR ALL WINDOWS, MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION
 - FOLLOW ALL MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION

**PRELIMINARY DESIGN
NOT FOR CONSTRUCTION**



© CARVIN CREATIONS 2020
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
PREPARED. NO REUSE, REPRODUCTION OR PUBLICATION BY ANY MEANS IN WHOLE OR IN PART IS PERMITTED UNLESS
AUTHORIZED BY CARVIN CREATIONS. OWNERSHIP OF THE DESIGN PLANS AND SPECIFICATION IS SOLELY WITH
CARVIN CREATIONS.

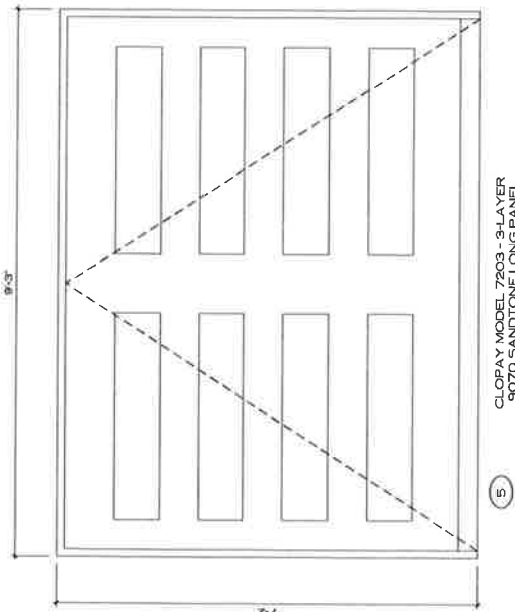
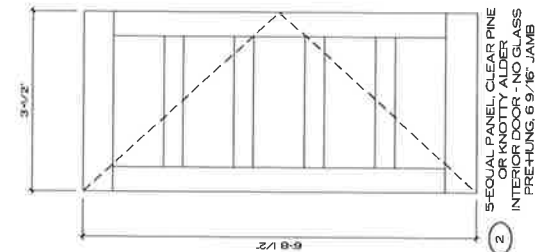
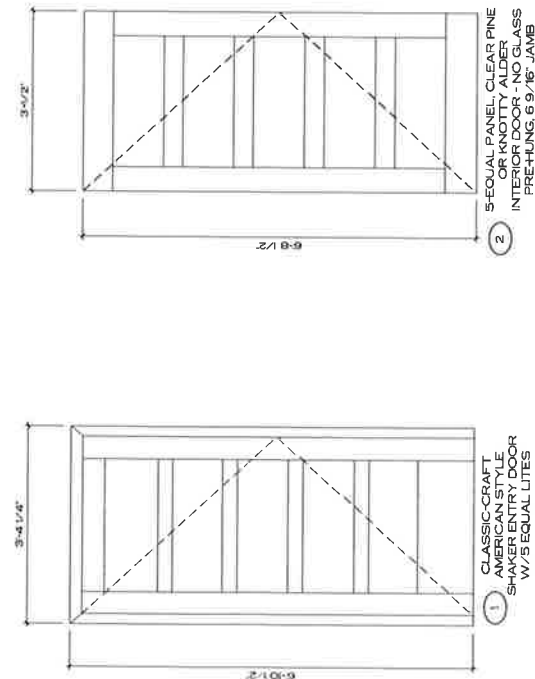
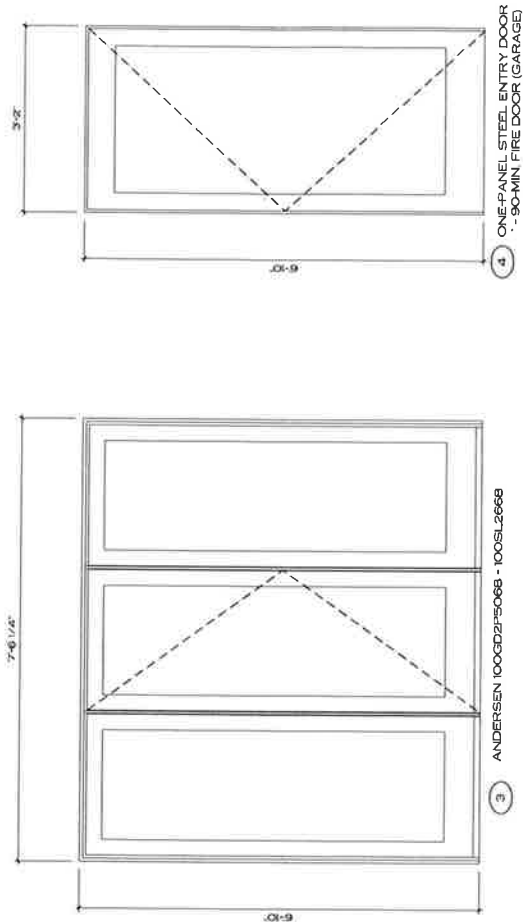
CARVIN
CREATIONS

VINCENT P. DIEM & ARCH
313 BLUEBIRD DRIVE
STEPHENS CITY, VA 22655
540-247-6770

ENCE
SUBDIVISION
T VIRGINIA
CROSSINGS VIEW RD,
PAW PAW, WV
TAX ID NO. 1-19A-122

DOCUMENT DATE: MAY 1 2000
DOCUMENT PHASE: CONSTRUCTION DOCUMENTS
REV. DATE: RELEASED

DECK DETAILS



DOOR SCHEDULE

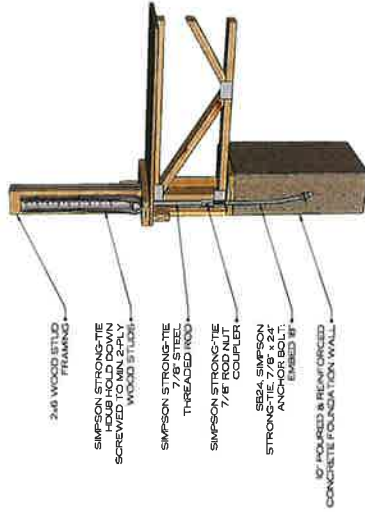
SCALE: 1" = 1'-0"

NOTES:

1. DOOR MANUFACTURERS ARE AS SPECIFIED.
2. INTERIOR DOORS AND EXTERIOR DOORS TO HAVE 1/2" DOOR STOP.
3. INTERIOR DOORS TO HAVE 1/2" DOOR STOP.
4. INTERIOR DOORS TO HAVE 1/2" DOOR STOP.
5. INTERIOR DOORS TO HAVE 1/2" DOOR STOP.
6. INTERIOR DOORS TO HAVE 1/2" DOOR STOP.
7. INTERIOR DOORS TO HAVE 1/2" DOOR STOP.
8. INTERIOR DOORS TO HAVE 1/2" DOOR STOP.

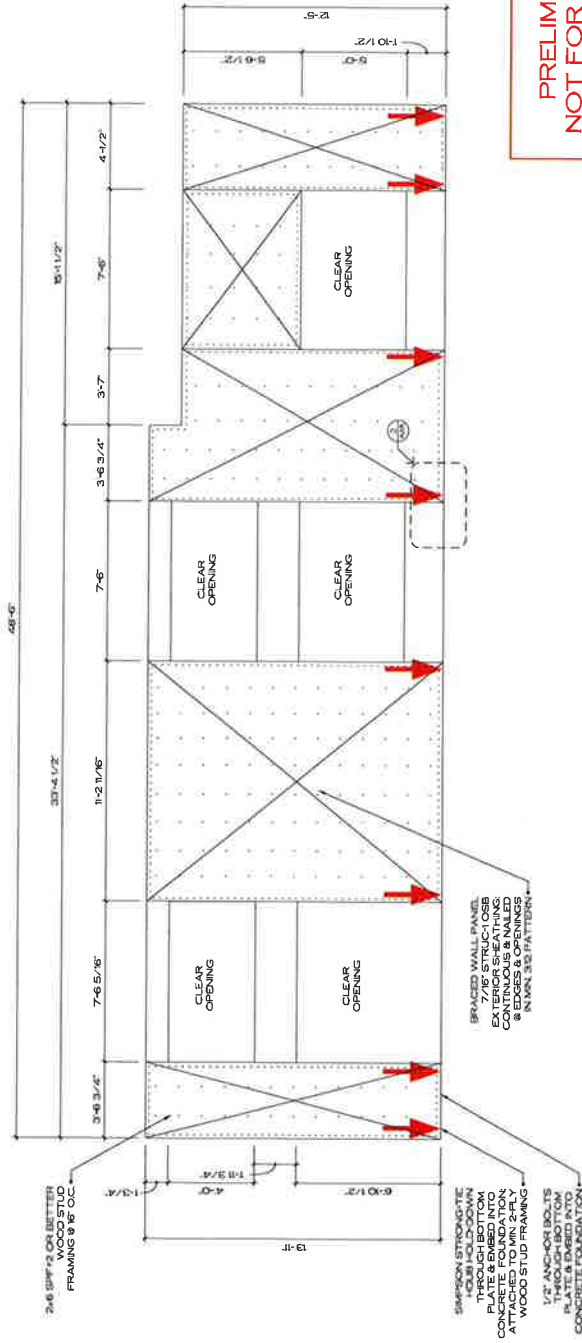
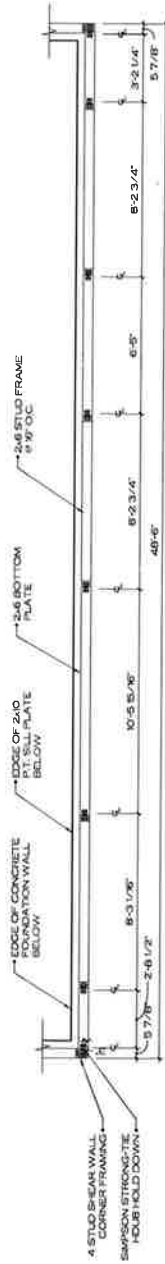
PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

CARVIN CREATIONS 2020
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
PREPARED. ANY REUSE OR MODIFICATION OF THESE PLANS AND SPECIFICATIONS WITHOUT THE WRITTEN
AUTHORIZATION OF CARVIN CREATIONS OWNERSHIP OF THE DESIGN PLANS AND SPECIFICATIONS IS SOLELY WITH
CARVIN CREATIONS



2 HOLD-DOWN DETAIL
SCALE: 1/8" = 1'-0"

SHEAR WALL DESIGN - PLAN
SCALE: 3/8" = 1'-0"



1 SHEAR WALL DESIGN - REAR ELEVATION
SCALE: 3/8" = 1'-0"

**PRELIMINARY DESIGN
NOT FOR CONSTRUCTION**

ALLEN + ROTH COUNTERTOP
SAMAMISH QUARTZ



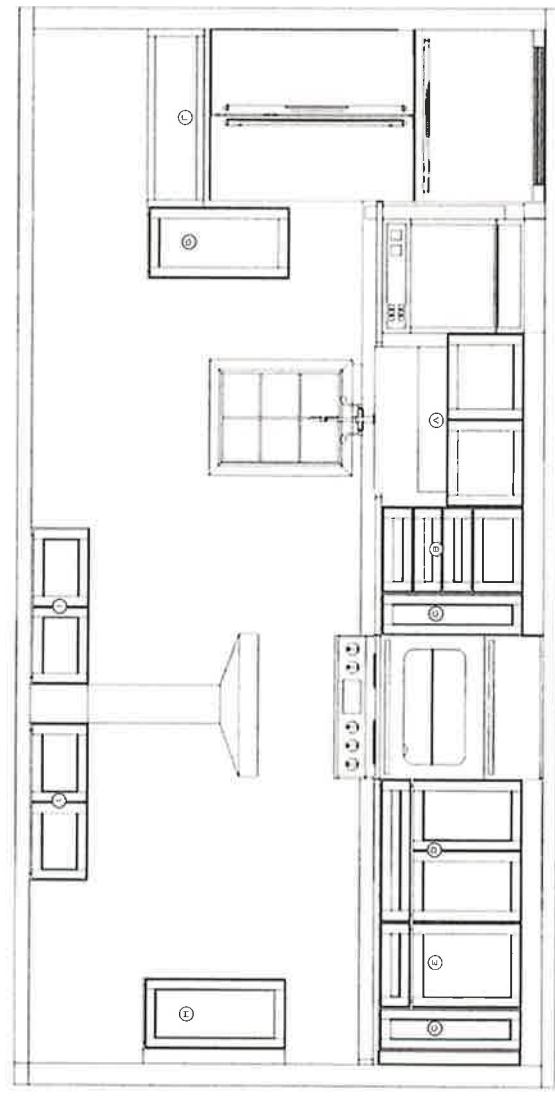
TILED BACKSPLASH
AMERICAN GLAZED PORCELAIN TILE
UNIFORM SQUARES TRAVERTINE WALL TILE
LOWES, ITEM # 13531338 MODEL # GS3122MSCCP



GS1 TILE & STONE INC. MONACO MIXED/GLAZED PORCELAIN 12" x 12"
GLAZED PORCELAIN BRICK FLOOR AND WALL TILE
LOWES, ITEM # 115751 MODEL # PORNEX4NOS



KITCHEN PERSPECTIVE
SCALE: N.T.S.



KITCHEN ELEVATION
SCALE: 1" = 1'-0"

KRAFTMAID CABINETRY
DEVERON - EVERCORE - FULL - "CANVAS"

- ④ AFRON SINK BASE EXTENDED 36BLUTT
- ⑤ BASE FOUR DRAWER 18
- ⑥ BASE TRAY PULL-OUT 9
- ⑦ BASE 36BLUTT
- ⑧ BASE 18R
- ⑨ WALL 372BLUTT
- ⑩ WALL 153OR
- ⑪ WALL 153OL
- ⑫ WALL 332BLUTT

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

THIS DRAWING IS A PRELIMINARY DESIGN. IT IS NOT TO BE USED FOR CONSTRUCTION. THE CLIENT IS ADVISED THAT THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION. THE CLIENT IS ADVISED THAT THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION. THE CLIENT IS ADVISED THAT THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION.

DIEM RESIDENCE
LOT 122 - THE CROSSINGS SUBDIVISION
HAMPSHIRE COUNTY, WEST VIRGINIA
CROSSINGS VIEW RD.
PAW PAW, WV
TAX ID NO. 119A-122

DOCUMENT DATE:
MAY 1, 2020
DOCUMENT PHASE:
CONSTRUCTION DOCUMENTS
REV: DATE: REVISION:

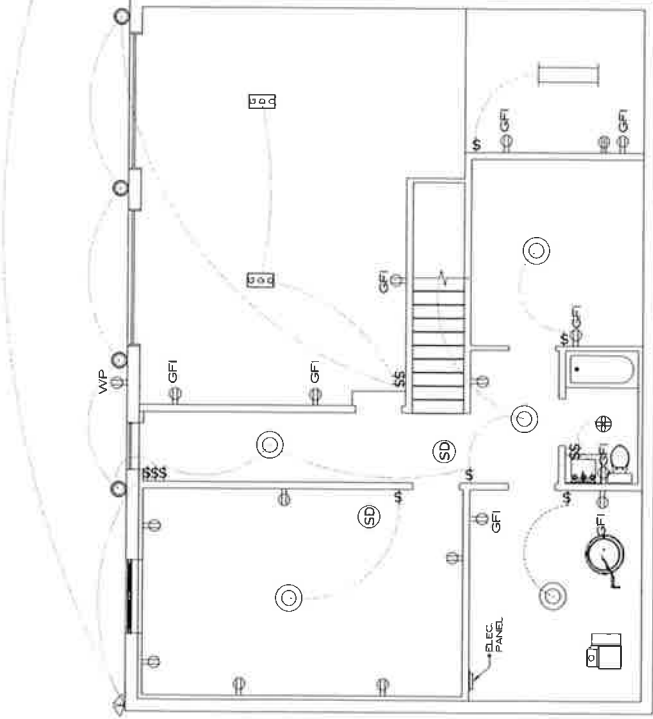
KITCHEN
DESIGN

A5.1

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

© CARVIN CREATIONS 2020
THIS DOCUMENT AND ANY INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CARVIN CREATIONS. IT IS TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CARVIN CREATIONS. OWNERSHIP OF THE DESIGN PLANS AND SPECIFICATION IS SOLELY WITH CARVIN CREATIONS.

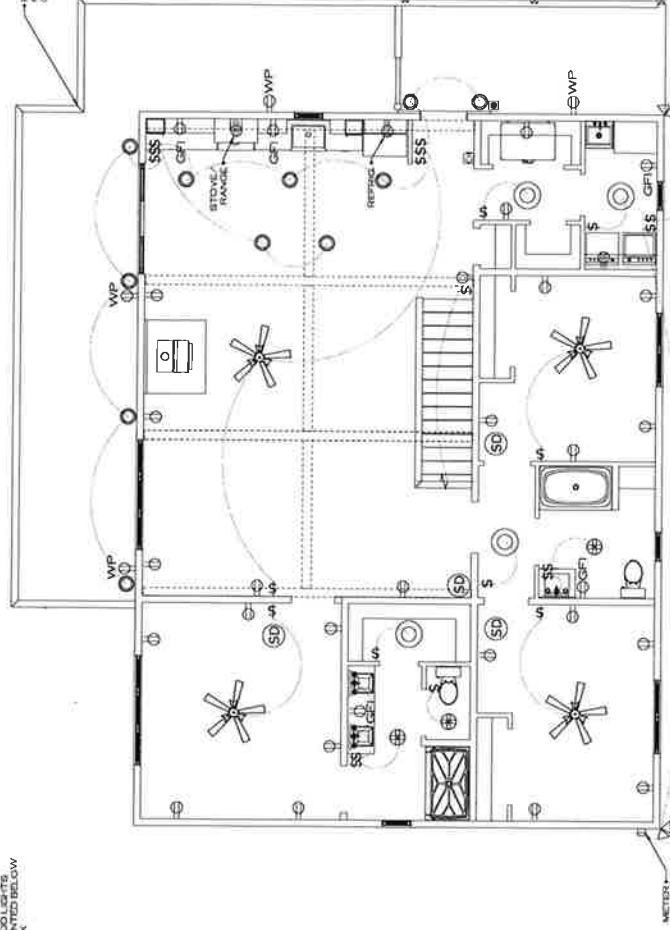
FLOOD LIGHTS
MOUNTED BELOW
DECK



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

DINING RM. FIXTURE	\$	SWITCH
METER	⊕	RECEPTACLE
ELEC. PANEL	⊕	220V RECEPTACLE
DOORBELL CHIME	⊕	EXHAUST/ LIGHT
DOORBELL	⊕	SCIENCE/ Pendant LIGHT
FLOOD LT. FIXTURE	⊕	CEILING LT. FIXTURE
GARAGE DOOR CHARGER	⊕	FLUORESCENT LIGHT FIXTURE
WP	⊕	WATER PROOF
GFI	⊕	GROUND FAULT INTERRUPT
	⊕	SMOKE DETECTOR

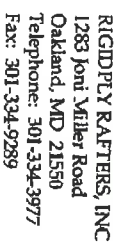
FLOOD LIGHTS
MOUNTED BELOW
DECK



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

THESE VALUES ARE AN EXACT AMOUNT - NO WASTAGE HAS BEEN INCLUDED IN CALCULATIONS. IT IS THE CUSTOMER'S RESPONSIBILITY TO COMPENSATE FOR WASTAGE AS NEEDED.

See attached sealed truss drawings, Simpson Strong-Tie Literature, BCSI, order and shipping documents, and reverse side of this layout for additional truss and hanger installation requirements, guidelines, and other information.



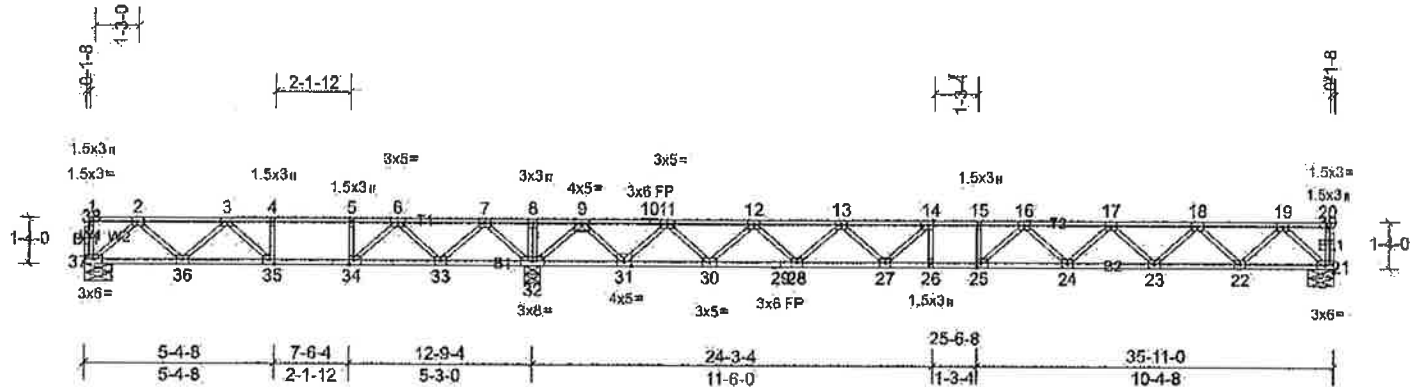
Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	F01	Floor	25	1	Job Reference (optional)

Rigidply Refters, Oakland

Run: 8:33 S Mar 10 2020 Print: 8:33 S Mar 10 2020 MiTek Industries, Inc. Tue Apr 21 12:33:54

Page: 1

ID: H0ypTgHyVQsrUc8zak7eonzOVyV-S6MYFpANMYIXyi0cXaNNAzM2mgKODMqvKIQC4zOVqB



Scale = 1:61.3

Plate Offsets (X, Y): [14:0-1-8, Edge], [25:0-1-8, Edge], [34:0-1-8, Edge], [35:0-1-8, Edge]

Loading	(psf)	Spacing	1-4-0	CSI	DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.72	Vert(LL)	-0.31	24-25	>885	480	MT20
TCCL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.46	24-25	>597	360	197/144
BCCL	0.0	Rep Stress Incr.	YES	WB	0.59	Horz(CT)	0.06	21	n/a	n/a	
BCCL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight 172 lb FT = 5%F, 5%E

LUMBER

TOP CHORD 2x4 SPF 2100F 1.8E(flat) *Except* T2:2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat) *Except* B2:2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 21=786/0-9-4, (min. 0-1-8), 32=1795/0-6-8, (min. 0-1-8),
 37=264/0-9-4, (min. 0-1-8)
 Max Uplift 37=49 (LC 4)
 Max Grav 21=798 (LC 7), 32=1795 (LC 1), 37=402 (LC 3)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-652/151, 3-4=-779/699, 4-5=-779/699, 5-6=-779/699, 6-7=-17/1533, 7-8=0/2531, 8-9=0/2531, 9-10=0/513,
 10-11=0/513, 11-12=-1271/0, 12-13=-2361/0, 13-14=-3037/0, 14-15=-3293/0, 15-16=-3293/0, 16-17=-3121/0,
 17-18=-2515/0, 18-19=-1500/0
 BOT CHORD 36-37=-744/19, 35-36=-324/818, 34-35=-699/779, 33-34=-1192/420, 32-33=-1848/0, 31-32=-1401/0, 30-31=-45/604,
 29-30=0/1902, 28-29=0/1902, 27-28=0/2783, 26-27=0/3293, 25-26=0/3293, 24-25=0/3292, 23-24=0/2905, 22-23=0/2096,
 21-22=0/864
 WEBS 7-32=-1034/0, 2-37=-555/99, 7-33=0/743, 2-36=-106/324, 8-33=-789/0, 6-34=0/930, 3-35=-522/0, 5-34=-438/0,
 9-32=-1505/0, 19-21=-1148/0, 9-31=0/1235, 19-22=0/685, 11-31=-1196/0, 18-22=-828/0, 11-30=0/950, 18-23=0/583,
 12-30=-902/0, 17-23=-542/0, 12-28=0/661, 17-24=0/301, 13-28=-609/0, 16-24=-253/0, 13-27=0/455, 16-25=-269/267,
 14-27=-525/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 37.
- 4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

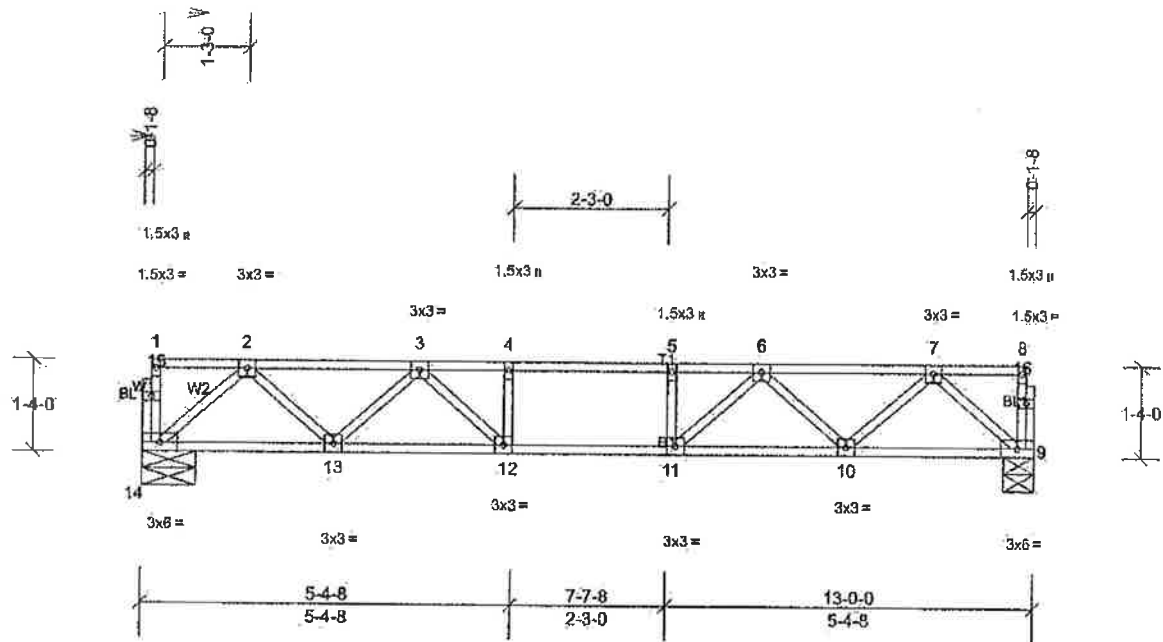
Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	F02	Floor	11	1	Job Reference (optional)

Rigidply Rafters, Oakland

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MITek Industries, Inc. Tue Apr 21 12:33:55

Page: 1

ID: LZbZ5PD8U6Oh8vuSrJ_CuzOVvL-wLwwT9B76slOarbpSlucjBvrm98e9mPz8_d_KXzOVqA



Scale = 1:31.1

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/deff	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.07	12-13	>999	480	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.09	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 58 lb	FT = 5%F, 5%E

LUMBER

TOP CHORD 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

BOT CHORD

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

REACTIONS (lb/size) 9=506/0-5-8, (min. 0-1-8), 14=506/0-8-4, (min. 0-1-8)

FORCES

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

TOP CHORD 2-3=-864/0, 3-4=-1318/0, 4-5=-1318/0, 5-6=-1318/0, 6-7=-864/0

BOT CHORD 13-14=0/535, 12-13=0/1152, 11-12=0/1318, 10-11=0/1152, 9-10=0/535

WEBS 7-9=-711/0, 2-14=-711/0, 7-10=0/457, 2-13=0/457, 6-10=-401/0, 3-13=-401/0, 6-11=0/354, 3-12=0/354

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x3 MT20 unless otherwise indicated.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

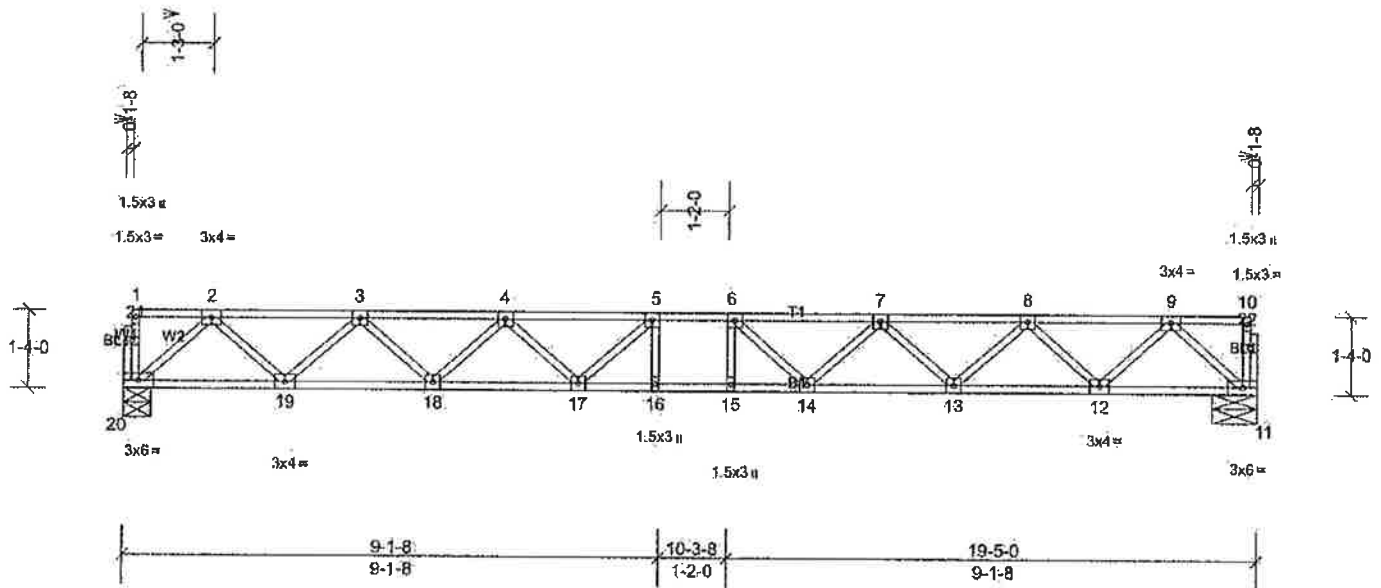
Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	F03	Floor	11	1	Job Reference (optional)

Rigidply Rafter, Oakland

Run: 8:33 S Mar 10 2020 Print: 8:33 S Mar 10 2020 MITek Industries, Inc. Tue Apr 21 12:33:55

Page: 1

ID: HhUF1UVcJg7R0DxEmpkd_MzOVwE-wf.wvT9B76slOarbp5lucBvyp95l9jcz8_d_KXzOVqA



Scale = 1:36.5

Loading	(psf)	Spacing	1'-4'-0	CSI		DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.20	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.30	15-16	>779	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 101 lb	FT = 5%F, 5%E

LUMBER

TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD

Structural wood sheathing directly applied or 6'-0'-0 oc purlins, except end verticals.

BOT CHORD

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

REACTIONS (lb/size) 11=763/0-9-4, (min. 0-1-8), 20=763/0-5-8, (min. 0-1-8)

FORCES

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

TOP CHORD 2-3=-1422/0, 3-4=-2366/0, 4-5=-2888/0, 5-6=-3036/0, 6-7=-2888/0, 7-8=-2366/0, 8-9=-1422/0

BOT CHORD 19-20=0/823, 18-19=0/1981, 17-18=0/2717, 16-17=0/3036, 15-16=0/3036, 14-15=0/3036, 13-14=0/2717, 12-13=0/1981, 11-12=0/823

WEBS 9-11=-1094/0, 2-20=-1094/0, 9-12=0/833, 2-19=0/833, 8-12=-778/0, 3-19=-778/0, 8-13=0/535, 3-18=0/535, 7-13=-489/0, 4-18=-489/0, 7-14=0/321, 4-17=0/321, 6-14=-361/50, 5-17=-361/50

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x3 MT20 unless otherwise indicated.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10'-0'-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

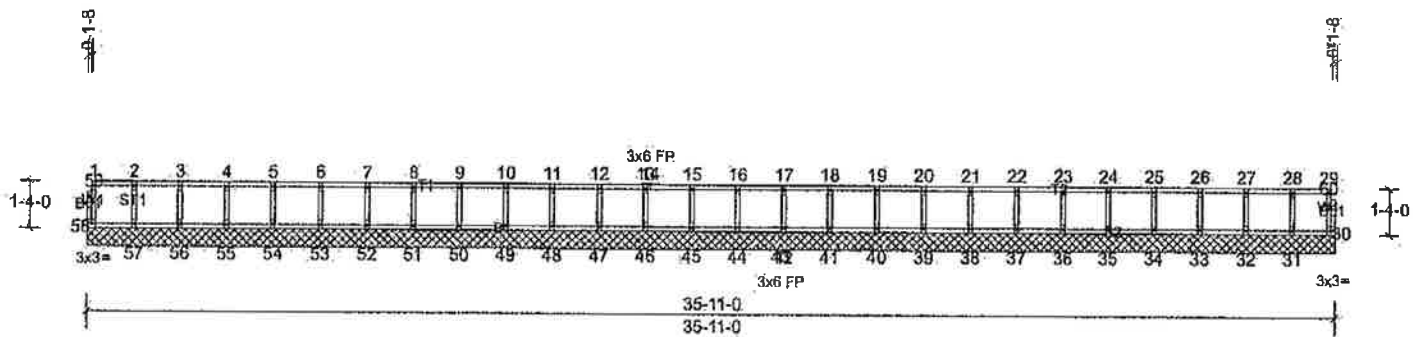
Job:	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	FGE01	Floor Supported Gable	2	1	Job Reference (optional)

Rigidply Rafters, Oakland

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MITek Industries, Inc. Tue Apr 21 12:33:55

Page: 1

ID: ucSijqY8xOcmNVQR_wya3zOVvp-wLwvT9B?6stOarip5ludBvve9EE9pJz8_d_KXxOVqA



Scale = 1:31.3

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	In	(loc)	I/defl	I/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Ver(L)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Ver(TL)	n/a	-	n/a	999	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	30	n/a	n/a	
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 143 lb FT = 5%F, 5%E

LUMBER

TOP CHORD	2x4 SPF No.2(flat) *Except* T2:2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat) *Except* B2:2x4 SPF No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 8-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

All bearings 35-11-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58

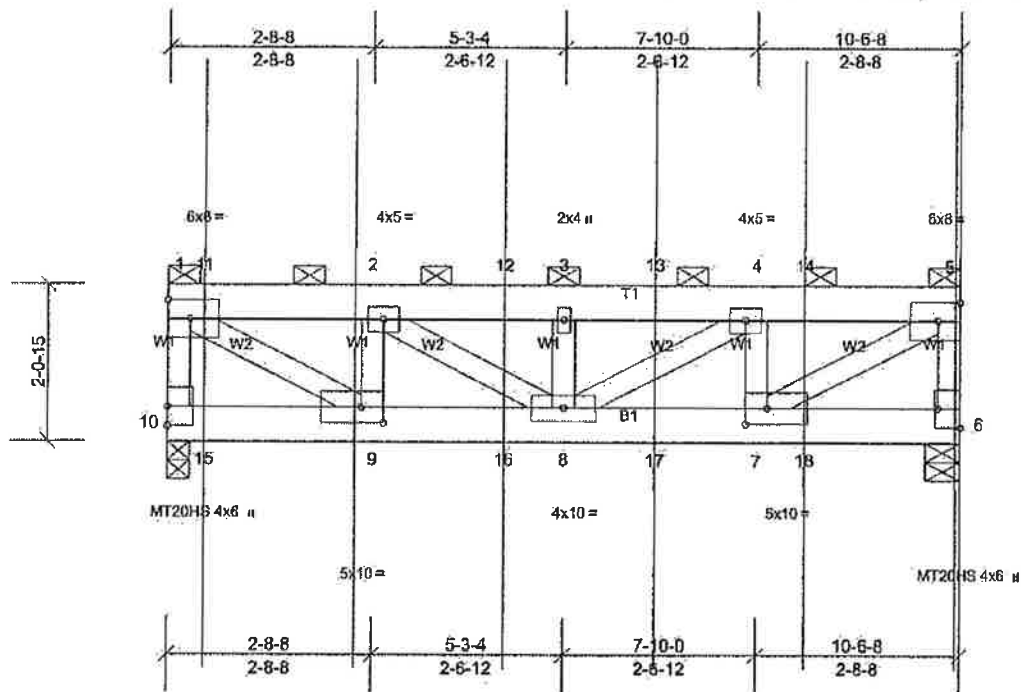
FORCES

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

NOTES

- All plates are 1.5x3 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



Scale = 1:28.4

Plate Offsets (X, Y): [6;Edge,0-3-8], [7:0-3-8,0-2-8], [9:0-3-8,0-2-8]

[illegible]

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP 2400F 2.0E
WEBS	2x4 SPF No.2

BRACING

TOP CHORD	2-0-0 oc purlins (5-0-15 max.); 1-5, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size)

(lb/size) 6=5871/0-5-8, (min. 0-2-10), 10=5923/0-3-8, (min. 0-2-10)
Max Uplift 6=503 (LC 6), 10=585 (LC 6)
Max Grav 6=6349 (LC 2), 10=6351 (LC 2)

FORCES

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

TOP CHORD
1-10=590/464, 1-11=6749/659, 2-11=6749/659, 2-12=8914/862, 3-12=8914/862, 3-13=8914/862, 4-14=6641/650, 5-14=6641/650, 5-6=6010/475

BOT CHORD
10-15=35/271, 9-15=35/271, 9-16=605/6748, 8-16=605/6748, 8-17=596/6641, 7-17=596/6641, 7-18=33/253, 6-18=33/253

WEBS: 1-9--717/7663, 2-9--3468/238, 2-8--240/2562, 3-8--2066/112, 4-8--250/2689, 4-7--3442/242, 5-7--709/7557

NOTES

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 2-9 2x4 - 2 rows staggered at 0-3-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDF=3.5psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Corner (3); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 4) TGLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=23.1 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- 5) Roof design snow load has been reduced to account for slope.
- 6) Provide adequate drainage to prevent water ponding.
- 7) All plates are MT20 plates unless otherwise indicated.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 585 lb uplift at joint 10 and 503 lb uplift at joint 6.
- 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1488 lb down and 70 lb up at 0-5-12, 1461 lb down and 80 lb up at 2-5-12, 1461 lb down and 80 lb up at 4-5-12, 1461 lb down and 80 lb up at 6-5-12, and 1461 lb down and 80 lb up at 8-5-12, and 1504 lb down and 63 lb up at 10-4-12 on top chord, and 587 lb down and 141 lb up at 0-5-12, 581 lb down and 147 lb up at 2-5-12, 581 lb down and 147 lb up at 4-5-12, and 581 lb down and 147 lb up at 6-5-12, and 581 lb down and 147 lb up at 8-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	TG01	Flat Girder	1	2	Job Reference (optional)

Rigidply Rollers, Oakland

Run: 8:33 S Mar 10 2020 Print: 8:30 S Mar 10 2020 MITek Industries, Inc. Tue Apr 21 12:33:57

Page: 2

ID:JgHxHRTwS5ZvyzkApaoT3ozOVUJ-sj2glrDFeT78p9IBCjx4oc_9AzrcdVbGbI65PPzOVq8

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-5=-66, 6-10=-20

Concentrated Loads (lb)

Vert: 9=-581 (F), 2=-1324, 5=-1360, 11=-1346, 12=-1324, 13=-1324, 14=-1324, 15=-587 (F), 16=-581 (F), 17=-581 (F), 18=-581 (F)

Page: 1

ID:HV3Wkw6cUJQCe3K1r0LaY6zOVvR-OXUlgVCdl9?EB?A?e?QrFOSw2ZTwy7B7NpMXszzOVq9



Plate Offsets (X, Y): [2:0-3-5,0-1-8], [7:0-0-11,0-1-8]

Weight: 99 lb FT = 20%

LUMBER

TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x4 SPF No.2 *Except* W5:2x6 SP No.1

REACTIONS

(lb/size) 9=1425/0-5-8, (min. 0-1-8), 14=1354/0-2-14, (min. 0-1-15)
 Max Horiz 14=255 (LC 8)
 Max Uplift 9=-390 (LC 8), 14=-258 (LC 8)
 Max Grav 9=1696 (LC 11), 14=1541 (LC 2)

FORCES

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

TOP CHORD 2-14=-1441/365, 2-3=-2619/321, 3-4=-3476/425, 4-5=-3408/429, 5-15=-2544/255, 6-15=-2505/259, 7-9=-576/318

12-13=478/2598, 11-12=535/3439, 10-11=509/3458, 9-10=314/2522
6-9=2563/405, 3-13=778/288, 2-13=256/2574, 3-12=58/870, 5-10=945/225, 6-10=0/598

NOTES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDF=3.5psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Corner (3); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; P=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=23.1 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 3) Roof design snow load has been reduced to account for slope.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
- 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'-06"-00" tall by 1'-00"-00" wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 14, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 258 lb uplift at joint 14 and 390 lb uplift at joint 9.
- 11) *This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)	Standard
--------------	----------

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)

Vert: 1-2=-66, 2-7=-66, 7-8=-68, 9-14=-40 (F=-20)

2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)

Vert: $1-2=-80$; $2-7=-80$; $7-8=-80$; $9-14=-40$ ($F=20$)

Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	J01	Jack-Closed	6	1	Job Reference (optional)

Rigidply Rafters, Oakland

Run: 8:33 S Mar 10 2020 Print: 8:33 S Mar 10 2020 MITEK Industries, Inc. Tue Apr 21 12:33:56

Page: 2

ID:HV3Wkhw6cJJQCe9K1h0LaY6zOVvR-0XUtgVCd9?EB7A?o7QrFOSwZ2Twy7B7NeMXszOVq9

- 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-65, 2-7=-65, 7-8=-65, 9-14=-40 (F=-20)
- 4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-55, 2-7=-55, 7-8=-55, 9-14=-40 (F=-20)
- 5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-55, 2-15=-55, 7-15=-74, 7-8=-74, 9-14=-40 (F=-20)
- 6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-30, 2-7=-30, 7-8=-30, 9-14=-40 (F=-20)
- 7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-2=-20, 2-7=-20, 7-8=-20, 9-14=-60 (F=-20)
- 8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=53, 2-7=46, 7-8=53, 9-14=-30 (F=-20)
Horz: 2-14=28, 1-2=-60, 2-7=-53, 7-8=-60, 7-9=28
- 9) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=-13, 2-7=-32, 7-8=-13, 9-14=-40 (F=-20)
Horz: 2-14=23, 1-2=-7, 2-7=12, 7-8=-7, 7-9=-23
- 10) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-66, 2-7=-20, 7-8=-66, 9-14=-40 (F=-20)
- 11) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-66, 2-15=-66, 7-15=-92, 7-8=-92, 9-14=-40 (F=-20)
- 12) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-34, 2-7=-34, 7-8=-34, 9-14=-40 (F=-20)
- 13) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (lb/ft)
Vert: 1-2=-20, 2-7=-20, 7-8=-20, 9-14=-40 (F=-20)
- 14) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=-49, 2-7=-63, 7-8=-49, 9-14=-40 (F=-20)
Horz: 2-14=17, 1-2=-5, 2-7=9, 7-8=-5, 7-9=-17
- 15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-7=-74, 7-8=-60, 9-14=-40 (F=-20)
Horz: 2-14=17, 1-2=-5, 2-7=9, 7-8=-5, 7-9=-17
- 16) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-7=-60, 7-8=-60, 9-14=-40 (F=-20)

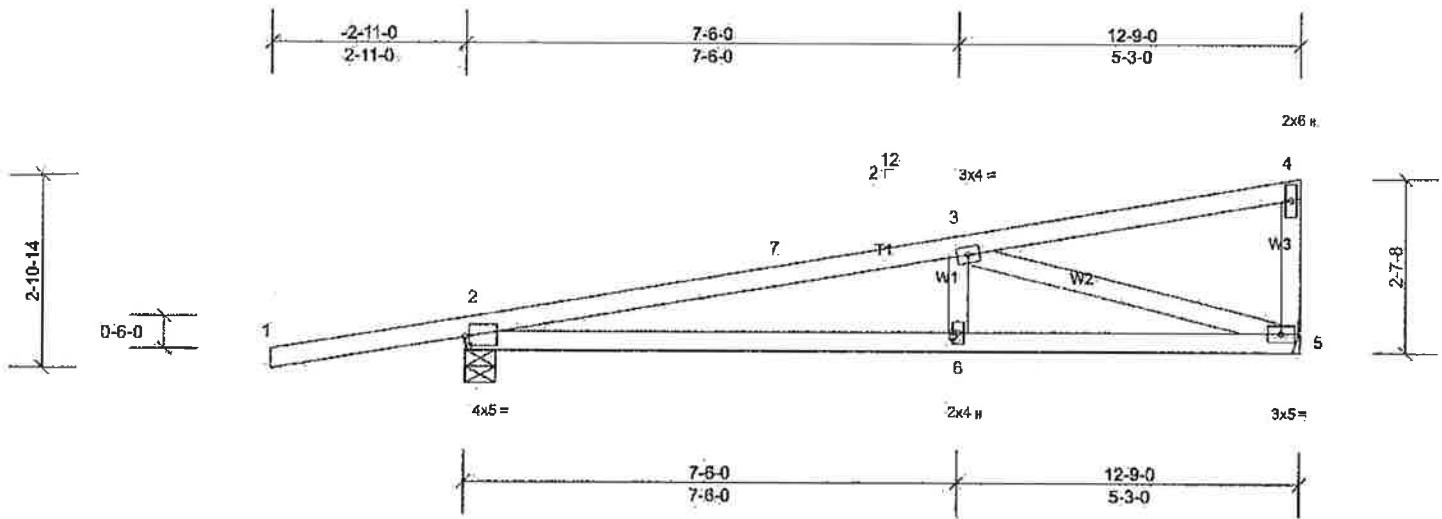
Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	J02	Jack-Closed	5	1	Job Reference (optional)

Rigidply Rafters, Oakland

Run: 8:33 S Mar 10 2020 Print: 8:30 S Mar 10 2020 MITek Industries, Inc. Tue Apr 21 12:33:55

Page: 1

ID: TdEh2hFVuhpeSlg9_q29VRzOVvG-0XUlgVCd19?EB?A7e?QrFQSusZSQu6D7NeMXszzOVq9



Scale = 1:32.4

Plate Offsets (X, Y): [2:0-0-12,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.80	Ver(LL)	-0.09	2-6	>999	360	MT20	197/144
Snow (Ps/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.53	Ver(CT)	-0.20	2-6	>728	360		
TCDL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.03	5	n/a	n/a		
BCLL	0.0*	Code	IBC2015/TPI2014	Matrix-S								
BCDL	10.0											
Weight: 42 lb											FT = 20%	

LUMBER

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 3-11-4 oc purlins, except end verticals.

Rigid ceiling directly applied or 8-5-15 oc bracing.

MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=768/0-5-8; (min. 0-1-8), 5=507/ Mechanical, (min. 0-1-8)

Max Horiz 2=76 (LC 8)

Max Uplift 2=-457 (LC 8), 5=-226 (LC 8)

Max Grav 2=902 (LC 2), 5=601 (LC 11)

FORCES

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

TOP CHORD 2-7=-1461/463, 3-7=-1402/472

BOT CHORD 2-6=-470/1384, 5-6=-470/1384

WEBS 3-6=0/286, 3-5=-1397/508

NOTES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasc=91mph; TCDL=3.5psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Corner (3); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=23.1 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 3) Roof design snow load has been reduced to account for slope.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
- 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'-06'-00" tall by 1'-00'-00" wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 5 and 457 lb uplift at joint 2.
- 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

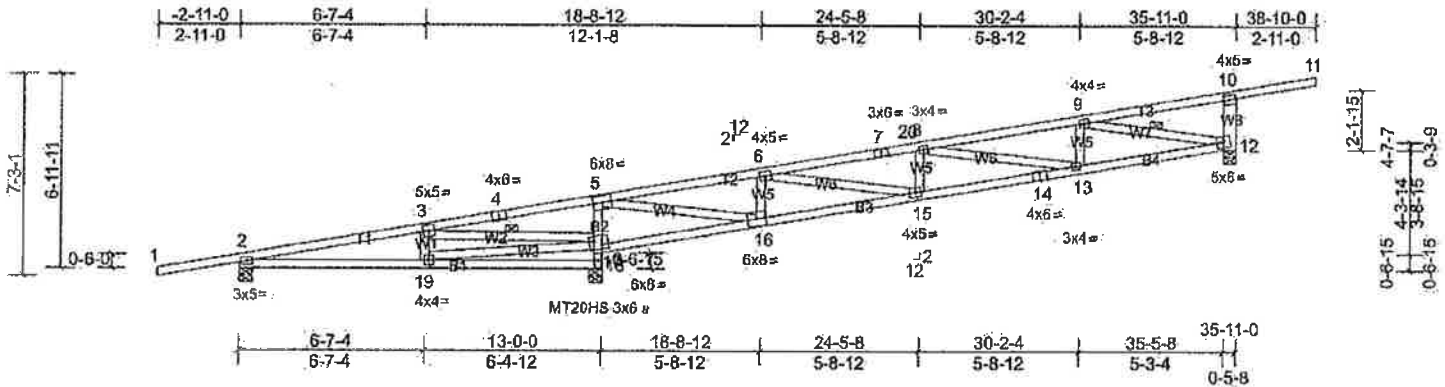
Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	M01	Monopitch	9	1	Job Reference (optional)

Rigidply Rafters, Oakland

Run: 8:33 S. Mar 10 2020 Print: 8:33 S Mar 10 2020 MiTek Industries, Inc. Tue Apr 21 12:33:56

Page: 1

ID:b7ZSvmp_q7kzbzmBFCOBvLzOVuX-OUUgVCDl9?EB?A?e?QrFOSryZPyu4k7NeMXszOVg9



Scale = 1/4\"/>

Plate Offsets (X, Y): [4:0-3-0,Edge], [10:0-0-4,0-2-0], [17:0-6-0,0-3-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	In	(loc)	L/defl	L/d	PLATES	GRIP	
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.23	13-15	>999	360	MT20	197/144
Snow (Ps/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.38	13-15	>720	360	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.04	12	n/a	n/a		
BCLL	0.0*	Code	IBC2015/TPI2014	Matrix-S								
BCDL	10.0											
Weight: 141 lb											FT = 20%	

LUMBER

TOP CHORD 2x4 SPF No.2 'Except' T2:2x4 SPF 2100F 1.8E
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.2 'Except' WB:2x6 SP No.1

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 3-8-8 oc bracing.
 WEBS 1 Row at midpt 3-17, 9-12

REACTIONS (lb/size) 2=513/0-5-8, (min. 0-1-8), 12=1060/0-5-8, (min. 0-1-8),
 18=1900/0-5-8, (min. 0-3-7)
 Max Horiz 2=330 (LC 8)
 Max Uplift 2=273 (LC 8), 12=552 (LC 8), 18=779 (LC 8)
 Max Grav 2=607 (LC 2), 12=1437 (LC 11), 18=2201 (LC 2)

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES

TOP CHORD (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 3-4=791/1938, 4-5=784/1985, 5-6=1291/375, 6-7=2786/880, 7-20=2729/883, 8-20=2721/684, 8-9=2391/683,
 10-12=613/320

BOT CHORD 17-18=2140/802, 5-17=1500/642, 16-17=1991/595, 15-16=540/1257, 14-15=999/2757, 13-14=990/2766,
 12-13=748/2354

WEBS 3-19=0/265, 17-19=142/271, 3-17=2003/638, 9-12=2413/835, 6-16=855/403, 5-16=1120/3215, 6-15=457/1557,
 8-15=368/196, 8-13=510/251, 9-13=14/317

NOTES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.5psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Corner (3); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15), Pg=30.0 psf (ground snow); Ps=23.1 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 3) Roof design snow load has been reduced to account for slope.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
- 9) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 273 lb uplift at joint 2, 779 lb uplift at joint 18 and 552 lb uplift at joint 12.
- 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Ранг: 1

ID:bT9kcCR_po9kDpA_kPpBT6zOVUk-DXUkVCdI9?EB?A?e2QrFOSvIZNzu5C7NeMXszOVq9

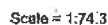


Plate Offsets (X, Y): [10:0-0-4,0-2-0]

Weight: 158 lb FT = 20%

LUMBER

TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except* W10:2x6 SP No.1

REACTIONS (1b/size)

(lb/s/size) 12=1286/0-5-8, (min. 0-1-8), 18=2139/0-5-8, (min. 0-3-13),
20=506/0-5-8, (min. 0-1-8)
Max Horiz 20=374 (LC 8)
Max Uplift 12=361 (LC 8), 18=499 (LC 8), 20=286 (LC 8)
Max Grav 12=1662 (LC 11), 18=2431 (LC 2), 20=606 (LC 2)

FORCES

TOP CHORD 3-4=300/1596, 4-5=294/1658, 5-6=1500/96, 6-7=2770/269, 7-21=2714/272, 8-21=2706/272, 8-9=2324/178,
10-12=611/317, 2-20=546/316

BOT CHORD 19-20=321/71, 17-18=2363/522, 5-17=1678/414, 16-17=1617/118, 15-16=260/1476, 14-15=384/2741,
13-14=359/2760, 12-13=239/2295

WEBS 3-19=0/292, 17-19=286/77, 3-17=1660/369, 9-12=2360/328, 6-16=914/321, 5-16=352/3091, 6-15=127/1375,
8-15=312/216, 8-13=561/148, 9-13=0/491

NOTES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.5psf; BCDL=5.0psf; h=25ft; Cal. II; Exp B; Enclosed; C-C Corner (3); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=23.1 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 3) Roof design snow load has been reduced to account for slope.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
- 9) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 20, 499 lb uplift at joint 18 and 361 lb uplift at joint 12.
- 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15; Plate Increase=1.15
Uniform Loads (lb/ft)

Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	M02	Monopitch	13	1	Job Reference (optional)

Rigidply Rafters, Oakland

Run: 8:33 S Mar 10 2020 Print: 8:33 S Mar 10 2020 MITek Industries, Inc. Tue Apr 21 12:33:56

Page: 2

ID:bT8kcCR_po9kDpA_kPp8T6zOV4-0XUlgVCdI97EB7A?e7QrFOSwIZNzu5C7NeMXszzQVg9

- 2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-66, 2-10=-66, 10-11=-66, 18-20=-20, 12-17=-40 (F=-20)
- 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-80, 2-10=-80, 10-11=-80, 18-20=-20, 12-17=-40 (F=-20)
- 4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-65, 2-10=-65, 10-11=-65, 18-20=-20, 12-17=-40 (F=-20)
- 5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-55, 2-10=-55, 10-11=-55, 18-20=-20, 12-17=-40 (F=-20)
- 6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-55, 2-21=-55, 10-21=-79, 10-11=-79, 18-20=-20, 12-17=-40 (F=-20)
- 7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-2=-20, 2-10=-20, 10-11=-20, 18-20=-40, 12-17=-60 (F=-20)
- 8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=53, 2-10=46, 10-11=53, 18-20=-10, 12-17=-30 (F=-20)
Horz: 1-2=-60, 2-10=-53, 10-11=-60, 10-12=24, 2-20=24
- 9) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=-13, 2-10=-32, 10-11=-13, 18-20=-20, 12-17=-40 (F=-20)
Horz: 1-2=-7, 2-10=12, 10-11=-7, 10-12=-22, 2-20=22
- 10) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-66, 2-10=-20, 10-11=-66, 18-20=-20, 12-17=-40 (F=-20)
- 11) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-66, 2-21=-66, 10-21=-99, 10-11=-99, 18-20=-20, 12-17=-40 (F=-20)
- 12) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-34, 2-10=-34, 10-11=-34, 18-20=-20, 12-17=-40 (F=-20)
- 13) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (lb/ft)
Vert: 1-2=-20, 2-10=-20, 10-11=-20, 18-20=-20, 12-17=-40 (F=-20)
- 14) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=-49, 2-10=-63, 10-11=-49, 18-20=-20, 12-17=-40 (F=-20)
Horz: 1-2=-5, 2-10=9, 10-11=-5, 10-12=-16, 2-20=16
- 15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-10=-74, 10-11=-60, 18-20=-20, 12-17=-40 (F=-20)
Horz: 1-2=-5, 2-10=9, 10-11=-5, 10-12=-16, 2-20=16
- 16) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-10=-60, 10-11=-60, 18-20=-20, 12-17=-40 (F=-20)

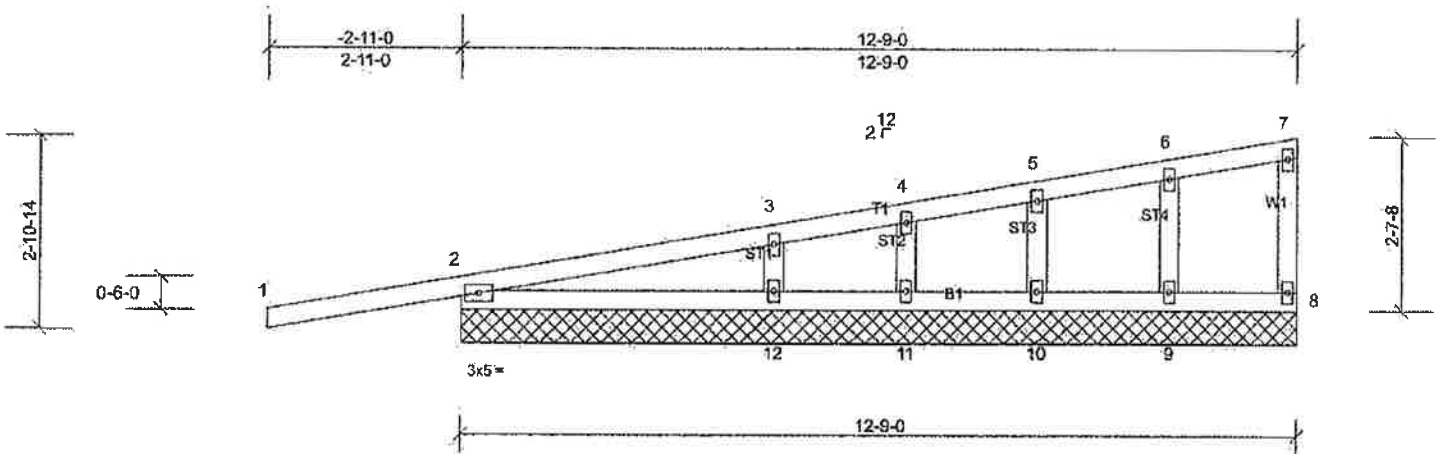
Job	Truss	Truss Type	Qty	Ply	DIEM RESIDENCE
MT20-0372	M01GE	Monopitch Supported Gable	1	1	Job Reference (optional)

Rigidply Rafters, Oakland

Run: 8.33 S Mar 10 2020 Print: 8.330 S Mar 10 2020 MiTek Industries, Inc. Tue Apr 21 12:33:55

Page: 1

ID:EEqP2gAB72NeeRUmRoP_aTzOVu4-0XUlgVCdI97EB7A7e7QrFQSWLZYwUgY7NeMXszQVq9



Scale = 1:32.4

Loading	(psf)	Spacing	2'-0'-0"	CSI	DEFL	in	(loc)	I/def	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.88	Ver(LL)	n/a	-	n/a	999	MT20
Snow (Ps/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.18	Ver(CT)	n/a	-	n/a	999	1977/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a	
BCLL	0.0*	Code	IBC2015/TPI2014	Matrix-S							
BCDL	10.0										
Weight: 41 lb FT = 20%											

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
OTHERS 2x4 SPF No.2

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 8'-0'-0" oc purlins, except and verticals.
Rigid ceiling directly applied or 10'-0'-0" oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 12'-9'-0"
(lb) - Max Horiz 2=76 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 9, 10, 11, 12 except 2=316 (LC 8)
Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11 except 2=525 (LC 2), 12=344 (LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=267/147

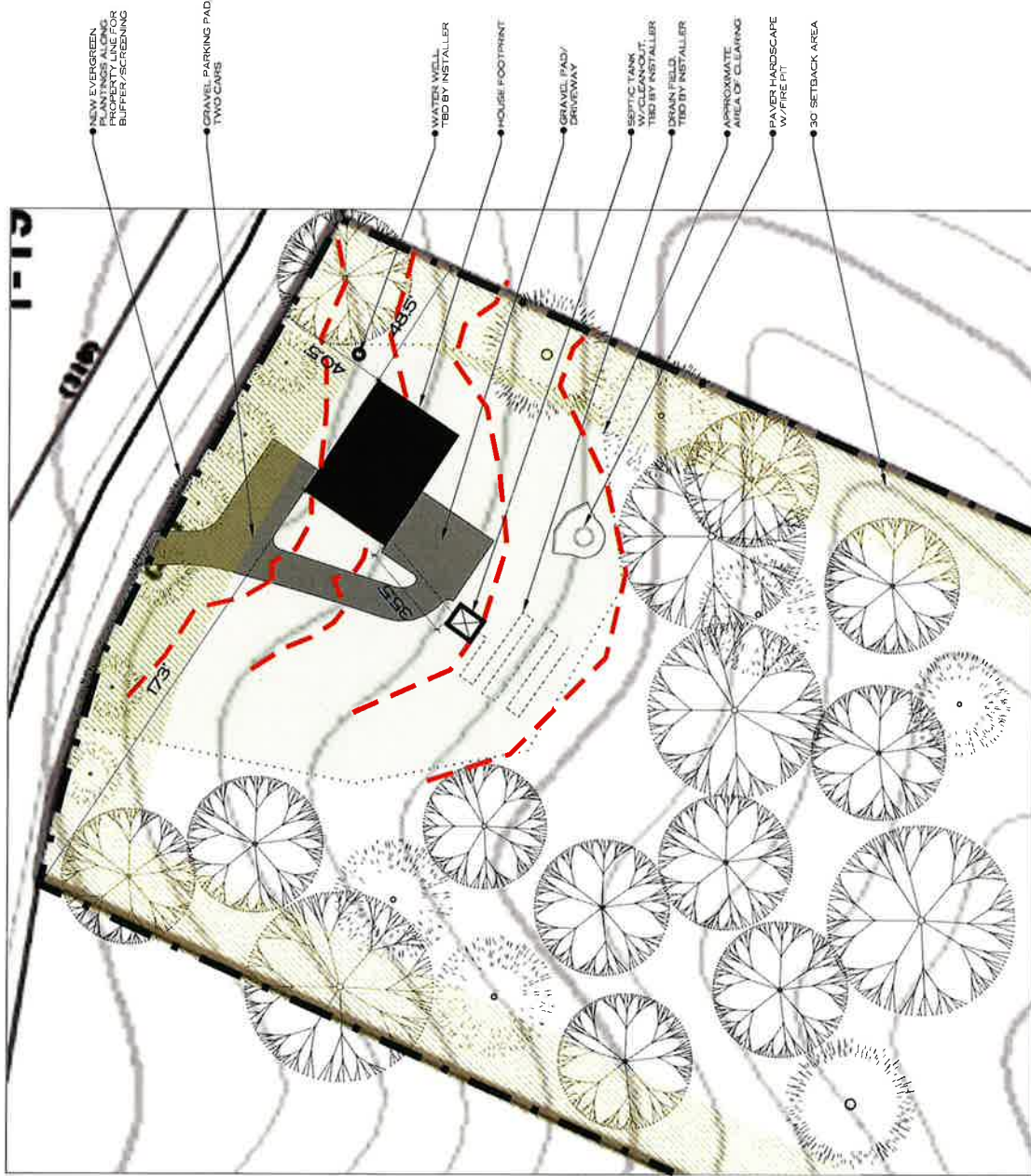
NOTES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.5psf; BCDL=5.0psf; h=25ft; Cal. II; Exp B; Enclosed; C-C Corner (3); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.80 plate grip DOL=1.80
- 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) TCLL: ASCE 7-10; P=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=23.1 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 4) Roof design snow load has been reduced to account for slope.
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Gable studs spaced at 2'-0'-0" oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0'-0" tall by 1'-0'-0" wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 9, 10, 11, 12 except (lb) 2=316.
- 13) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) 2 X 4 notch at 20000 o.c. is allowed along the stacked top chord. No notches allowed in overhang and 21100 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2'-0'-0" o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

LOAD CASE(S) Standard

**PRELIMINARY DESIGN
NOT FOR CONSTRUCTION**

ALL CARVIN CREATIONS 2020
NO SPECIFICATIONS ARE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE
PREPARED. THESE SPECIFICATIONS ARE FOR INFORMATION ONLY AND ARE NOT TO BE USED
FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF CARVIN CREATIONS, LLC.
ALL RIGHTS RESERVED. CARVIN CREATIONS, LLC. OWNERSHIP OF THE DESIGN PLANS AND SPECIFICATIONS IS SOLELY WITH
CARVIN CREATIONS, LLC.



SITE & GRADING PLAN
SCALE: 1" = 20'



PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

1. CARVIN CREATIONS, 2000
THE USE OF THIS DESIGN AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE, FOR WHICH THEY WERE
DESIGNED. ANY OTHER USE OF THIS DESIGN OR SPECIFICATIONS WITHOUT THE WRITTEN CONSENT OF
CARVIN CREATIONS, 2000, IS PROHIBITED.

