

PERMIT NUMBER: B 23002958

DATE ACCEPTED:

# RESIDENTIAL BUILDING PERMIT APPLICATION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS  
3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4  
www.howardcountymd.gov



### BUILDING SITE ADDRESS REQUIRED

Street Address: 14024 Triadelphia Rd		Unit:
City: Gladys	State: MD	Zip Code: 21733
Subdivision/Village/Complex Name:		SDP/WP/BA #:
Lot:	Tax Map:	Parcel: 04-311511
		Grading Permit #:

### DESCRIPTION OF WORK REQUIRED

Existing Use: Driveway	Proposed Use: Detached 3-car garage	Estimated Cost: \$ 75,000
Trade Work to Be Completed (Separate Permits Required): <input type="checkbox"/> Mechanical (HVACR) <input type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input checked="" type="checkbox"/> None		
30' x 30' detached three-car garage w/ second floor to be used for storage		

### PROPERTY OWNER INFORMATION REQUIRED

Owner(s) Name(s) (As it appears on tax records): Nancy Lewis & Michael Lomutz	Primary Residence: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Owner's Street Address: 14024 Triadelphia Rd	
City: Gladys	State: MD
Phone: 301-943-9385	Email: mlorenz@comcast.net
	Zip Code: 21733

### APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION

Business Name:	Contact Name: Michael Lomutz
Street Address: 14024 Triadelphia Rd	
City: Gladys	State: MD
Phone: 301-943-9385	Email: mlorenz@comcast.net
	Zip Code: 21733

### CONTRACTOR INFORMATION REQUIRED

Business Name: Homeowner to a was General Contractor	License #:
Street Address:	
City:	State:
Phone:	Email:
	Zip Code:

### ARCHITECT/ENGINEER INFORMATION INDIVIDUAL WHO SIGNED PLANS, IF APPLICABLE

Business Name: N/A	Name:
Street Address:	
City:	State:
Phone:	Email:
	Zip Code:

### BUILDING CHARACTERISTICS REQUIRED

Primary Structure: <input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/> SF Duplex <input type="checkbox"/> Mobile Home <input type="checkbox"/> Multi-Family Dwelling (MF*)	Condo: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Utilities: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Gas	Water Supply: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private (Well)
Heating System: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane <input type="checkbox"/> Other:	Sewage Disposal: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private (Septic)
Sprinkler System: <input type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> NFPA 13D <input checked="" type="checkbox"/> None	Roadside Tree Project: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes: #
Fire Alarm System: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Voice Evac	

### ADDITIONAL RESIDENTIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)

Model Name & Options:				
# of Bedrooms (SF):	# of efficiency units (MF*):	# of 1 BR (MF*):	# of 2 BR (MF*):	# of 3 BR (MF*):
# Rooms:	# Full Baths:	# Half Baths:	# Fireplaces:	
Garage/Carport Info: <input type="checkbox"/> Attached Garage <input checked="" type="checkbox"/> Detached Garage <input type="checkbox"/> Integral Garage <input type="checkbox"/> Carport <input type="checkbox"/> None				
Basement/Foundation Info: <input checked="" type="checkbox"/> Slab on Grade <input type="checkbox"/> Post & Pier <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Finished Basement: <input type="checkbox"/> Full or <input type="checkbox"/> Partial				
1 <sup>st</sup> Fl Width: 36	1 <sup>st</sup> Fl Depth: 30	2 <sup>nd</sup> Fl Width:	2 <sup>nd</sup> Fl Depth:	Bsmt Width:
Energy Method: <input type="checkbox"/> Prescriptive <input type="checkbox"/> Performance <input type="checkbox"/> UA Alternative <input type="checkbox"/> ERI		Gross Area: 1080 sq ft	Occupiable Area: sq ft	

### AGREEMENT/ DISCALIMER REQUIRED

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

APPLICANT'S ORIGINAL SIGNATURE

DATE SIGNED

### FOR OFFICE USE ONLY

CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

### AGENCIES REQUIRED/APPROVALS:

<input type="checkbox"/> PR	<input type="checkbox"/> DPZ	<input type="checkbox"/> DED	<input checked="" type="checkbox"/> Health	<input type="checkbox"/> SHA	<input type="checkbox"/> CID
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SUBMITTAL FEES: 75,000	PAYMENT: 75,000	ACCEPTED BY: [Signature]
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SITE INSPECTION SHEET

OWNER: Michael Lorente, Mary Lorente PHONE #: \_\_\_\_\_

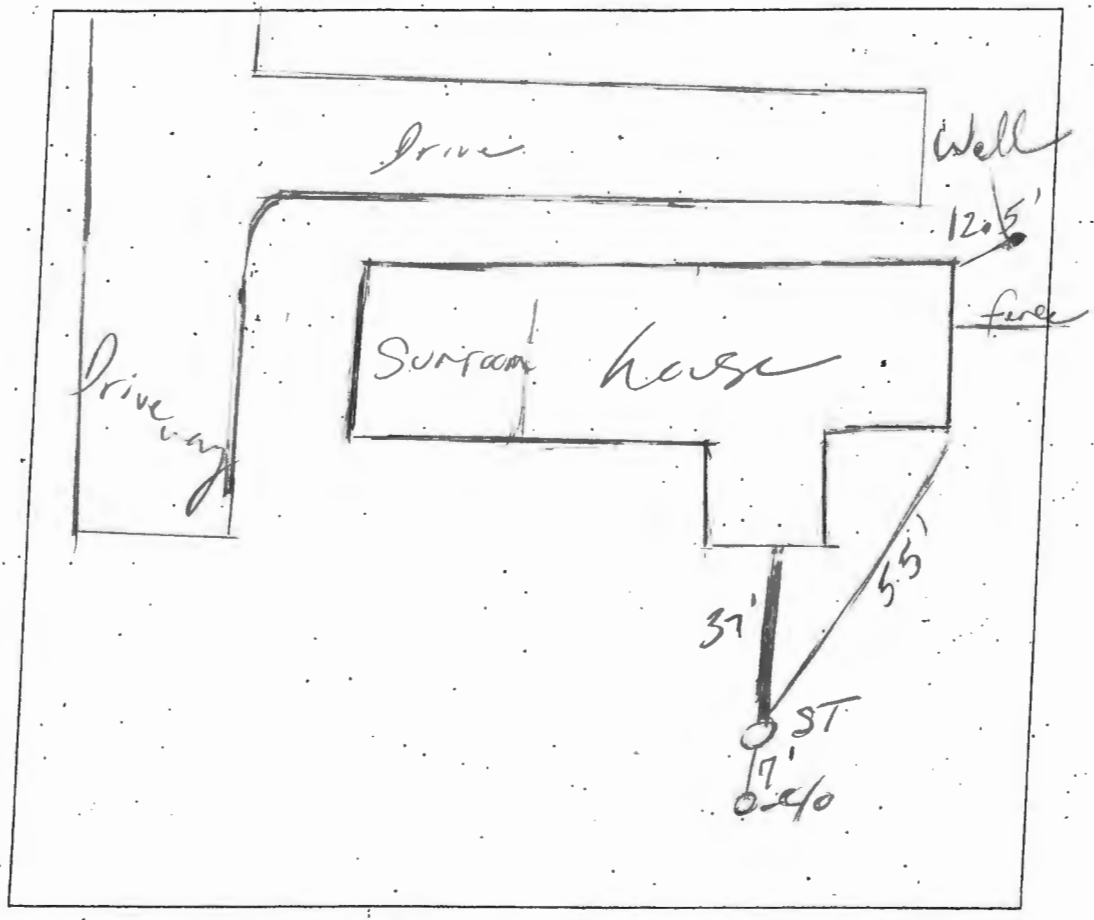
ADDRESS: 14024 Triad Drive CONTRACTOR: \_\_\_\_\_

WELL TAG #: No tag

SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: Haworth

PROPOSAL: Construct a garage where existing driveway is located on side of the residence.

LOCATION DIAGRAM



COMMENTS: Septic tank cap broken, needs water tight cap. see other concerns. Large property warrants waiver request for proposed garage as location is where existing driveway is located. No signs of surface hydraulic failure, septic system picked good.

DATE: 8/9/23 INSPECTOR: Mark E. ...

14024 Triadelphia Road  
Glenelg, MD. 21737  
301-943-9385  
August 11, 2023

Mr. Mike Davis, Director  
Howard County Health Department  
8930 Stanford Boulevard  
Columbia, MD. 21045

Re: Building Permit B23002958

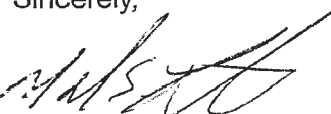
Mr. Davis,

I am writing to request a waiver of the perc test/plan requirements needed for approval of the above-referenced building permit. The permit application is for a detached three-car garage, the site upon which is where my existing driveway is located; and behind the proposed site location is a swale greater than 25%.

My lot is 6.26 acres, which provides ample space and alternative locations that are more suitable for the creation of a Sewage Disposal Area. Given the size of our lot and that fact that we are not increasing living space, we respectfully request that you please waive the perc test/plan requirements needed for permit approval.

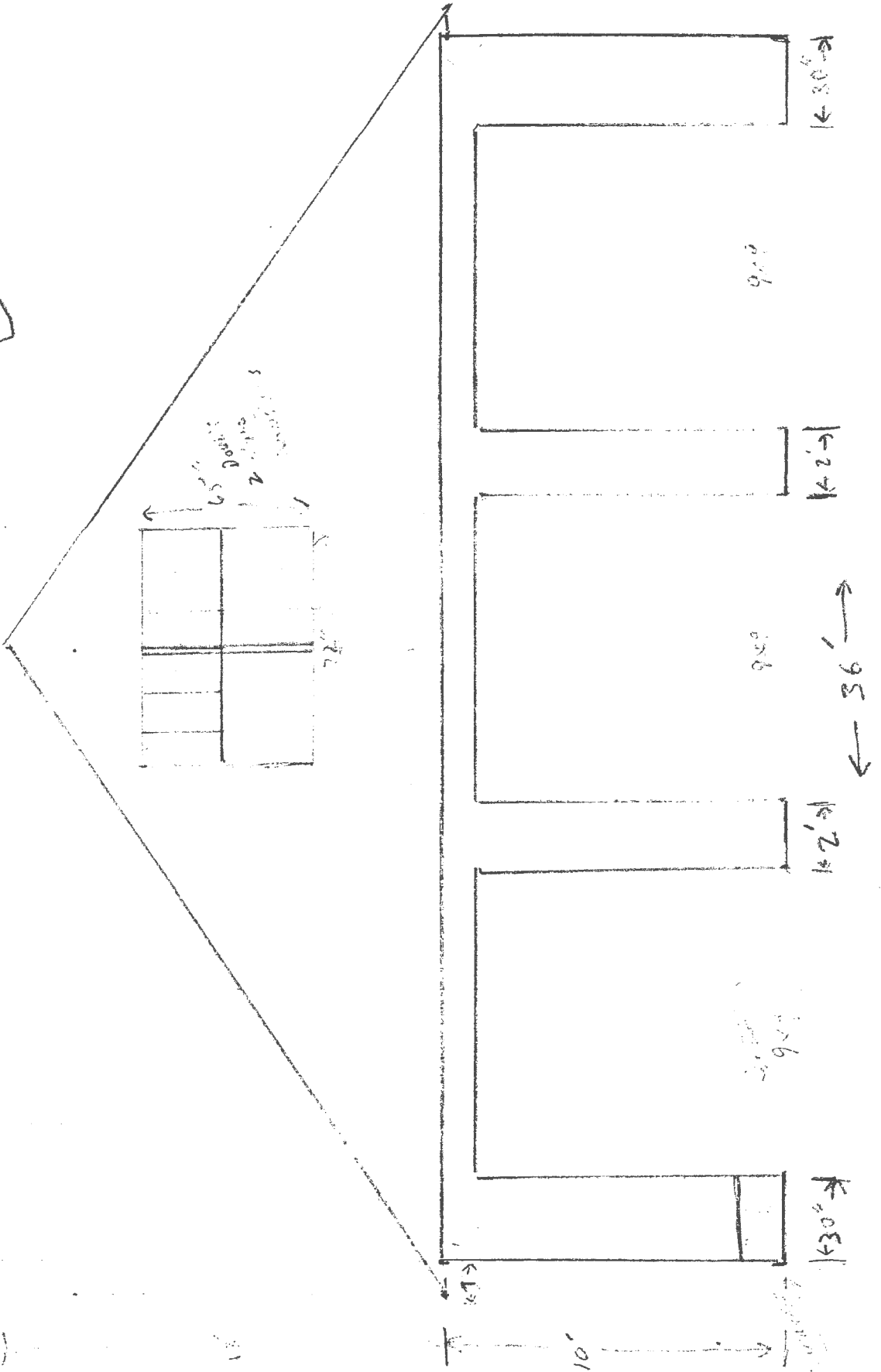
If you have any questions or need additional information, please feel free to contact me.

Sincerely,

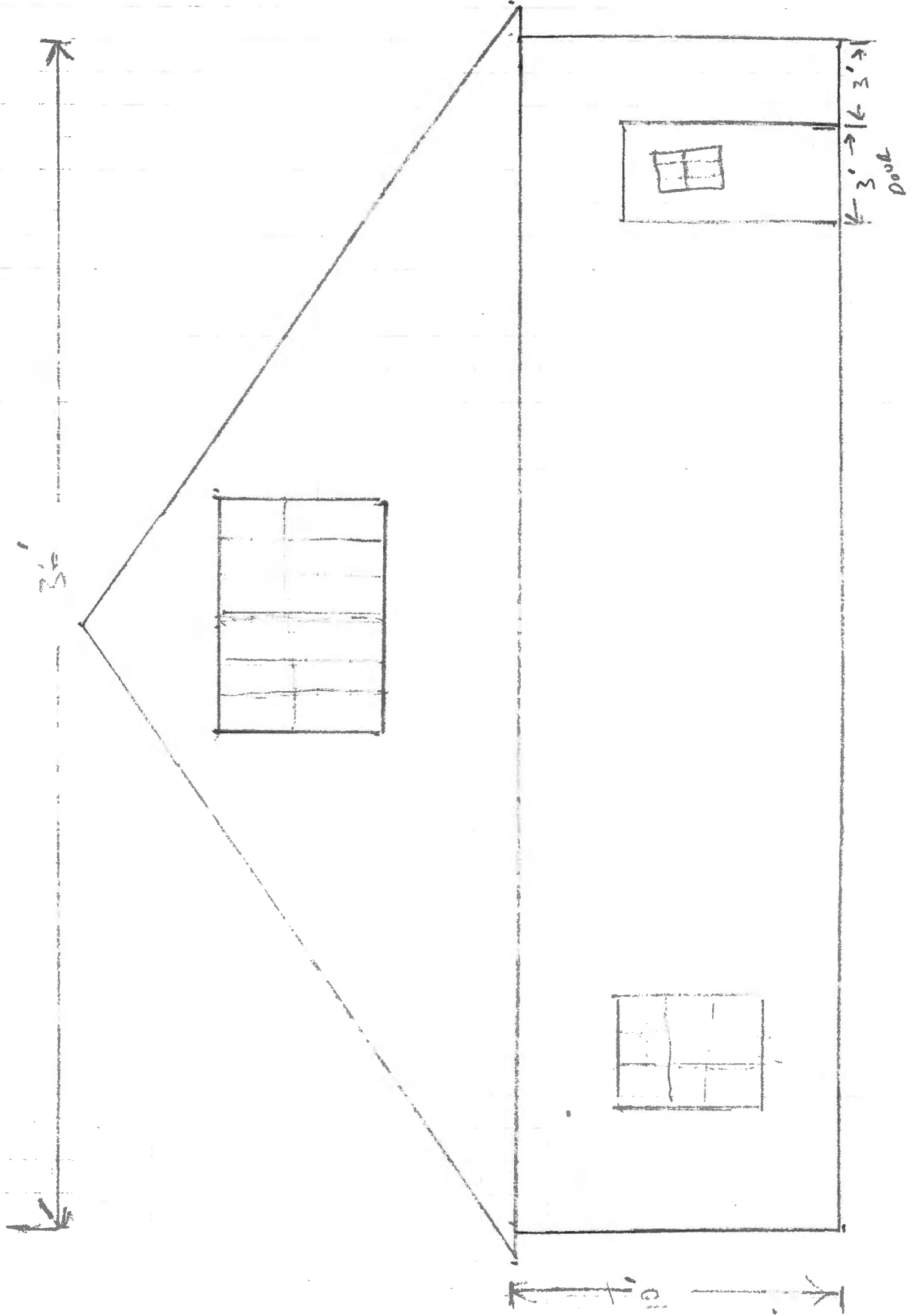
  
Michael S. Lorentz

approved  
&w garage  
w/ no plumbing or  
living space  
Jaw  
8/16/23

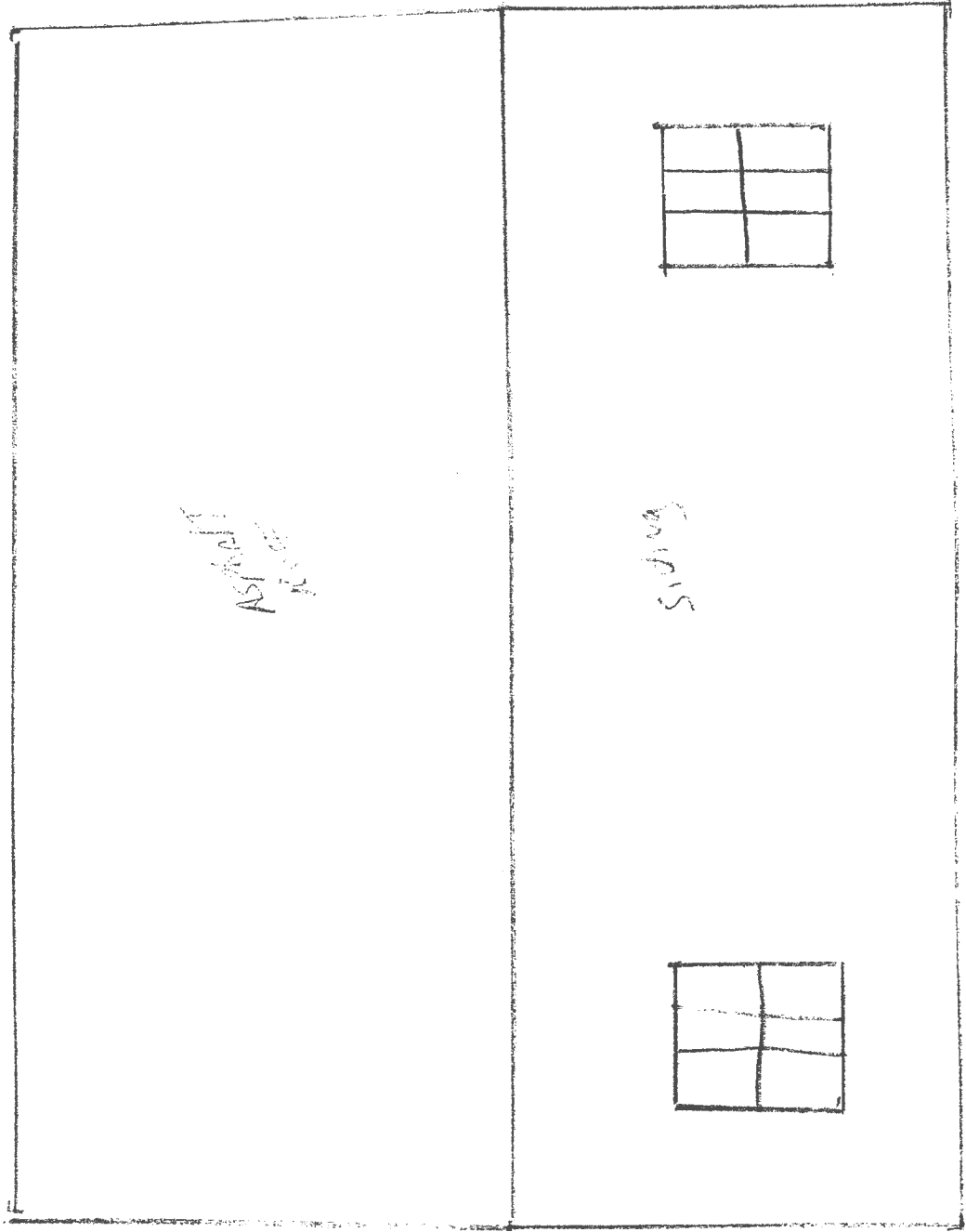
Front



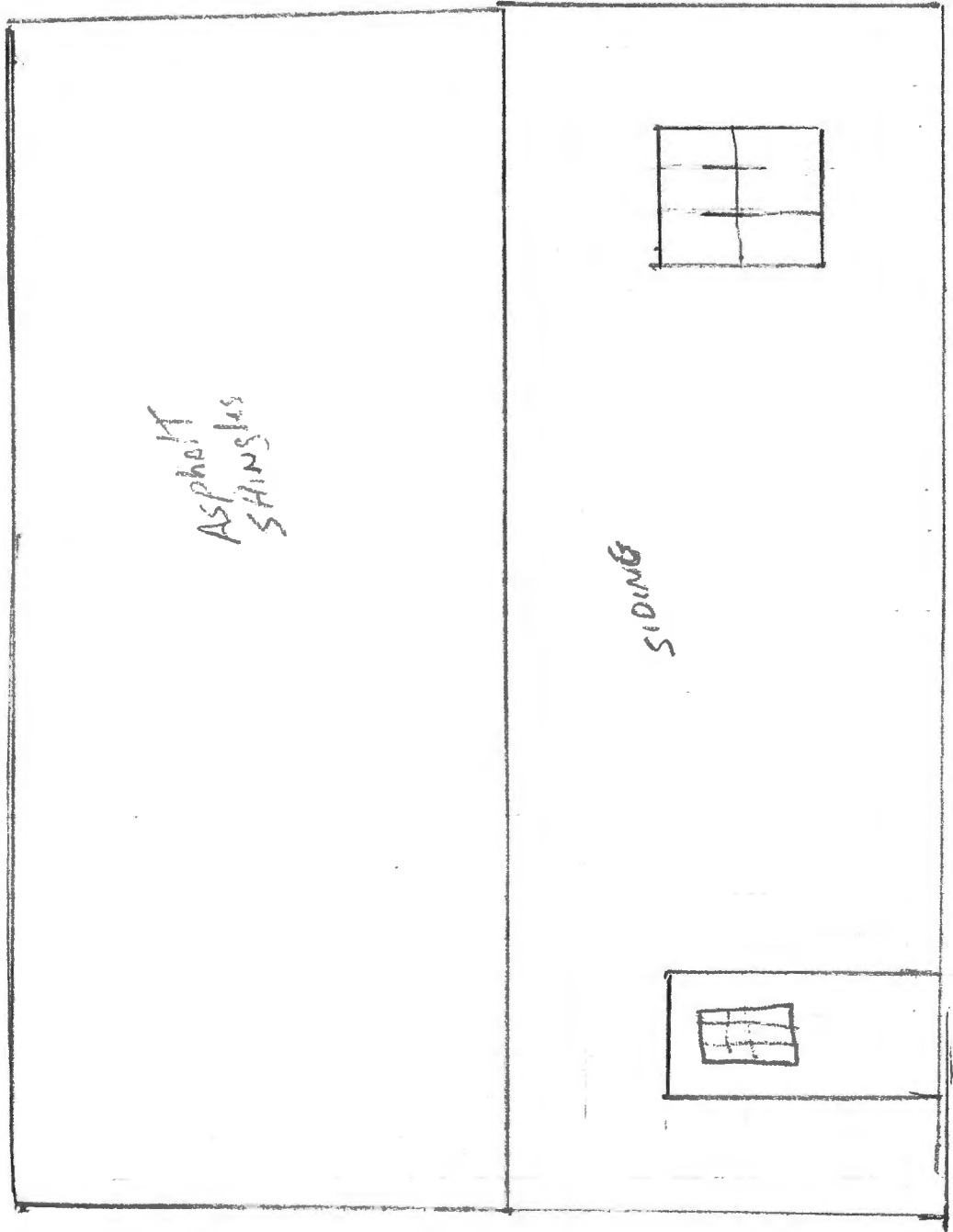
REAR

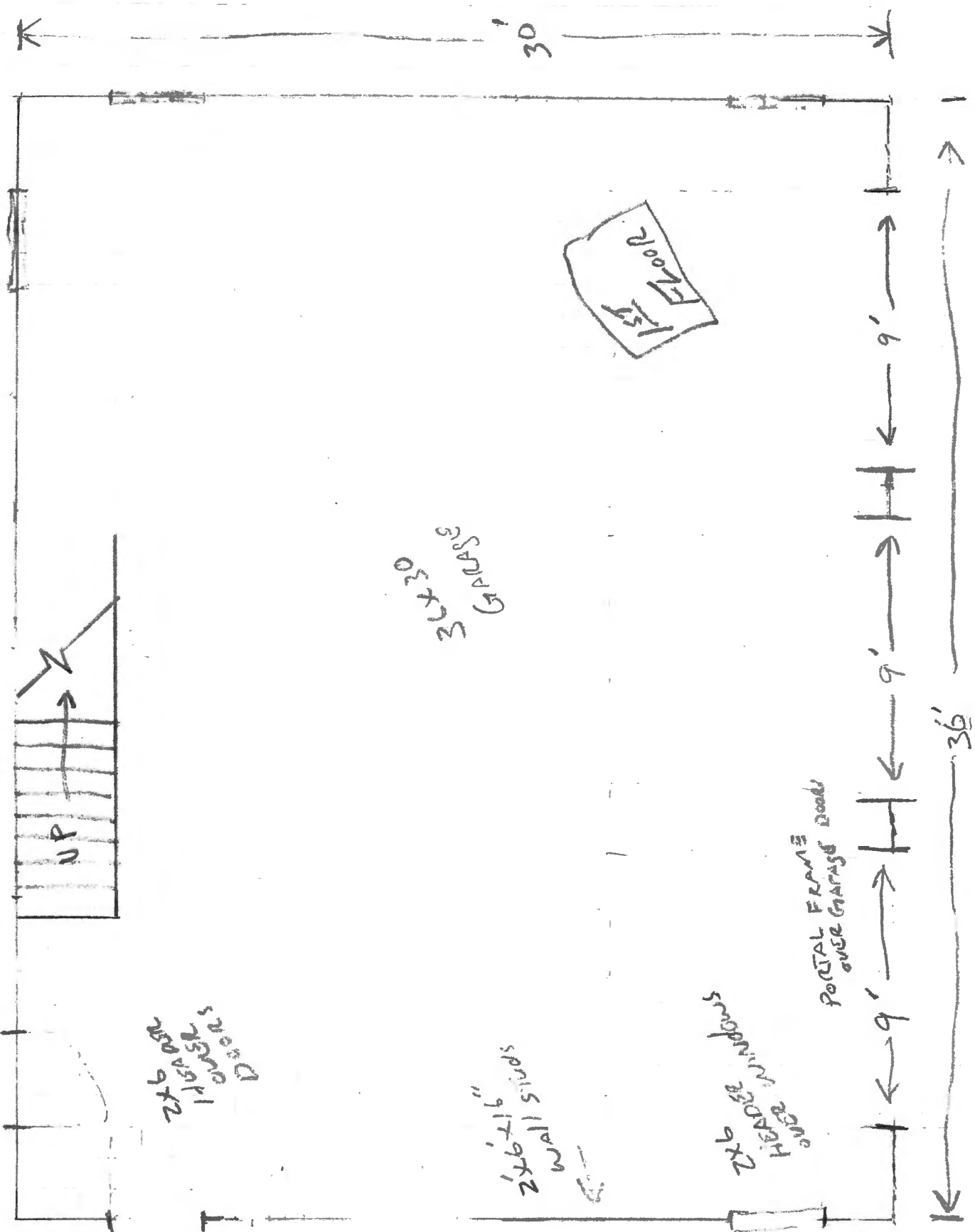


Right Side



LEFT SIDE





1st Floor

SECT 30  
GARAGE

UP

PARTIAL FRAME DOOR  
OVER GARAGE DOOR

2x6 + 1/2"  
wall studs

2x6  
over  
top  
studs

2x6 over  
1/2" studs

36'

30'

36'

9'

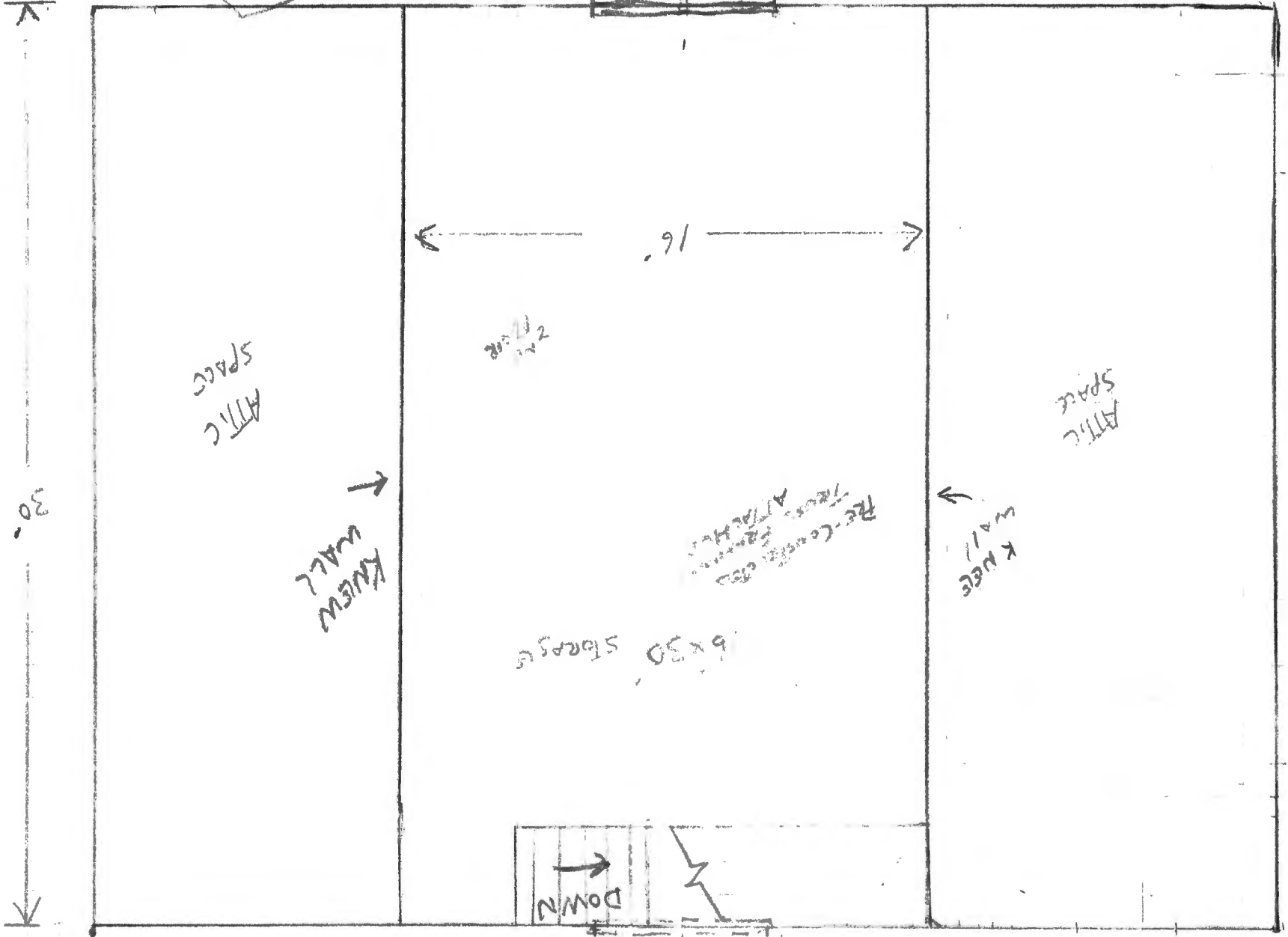
9'

9'

9'

2<sup>nd</sup> Floor

2x6 HEADS



ATTIC SPACE

2<sup>nd</sup> Floor

ATTIC SPACE

K. PEECE WALL

K. PEECE WALL

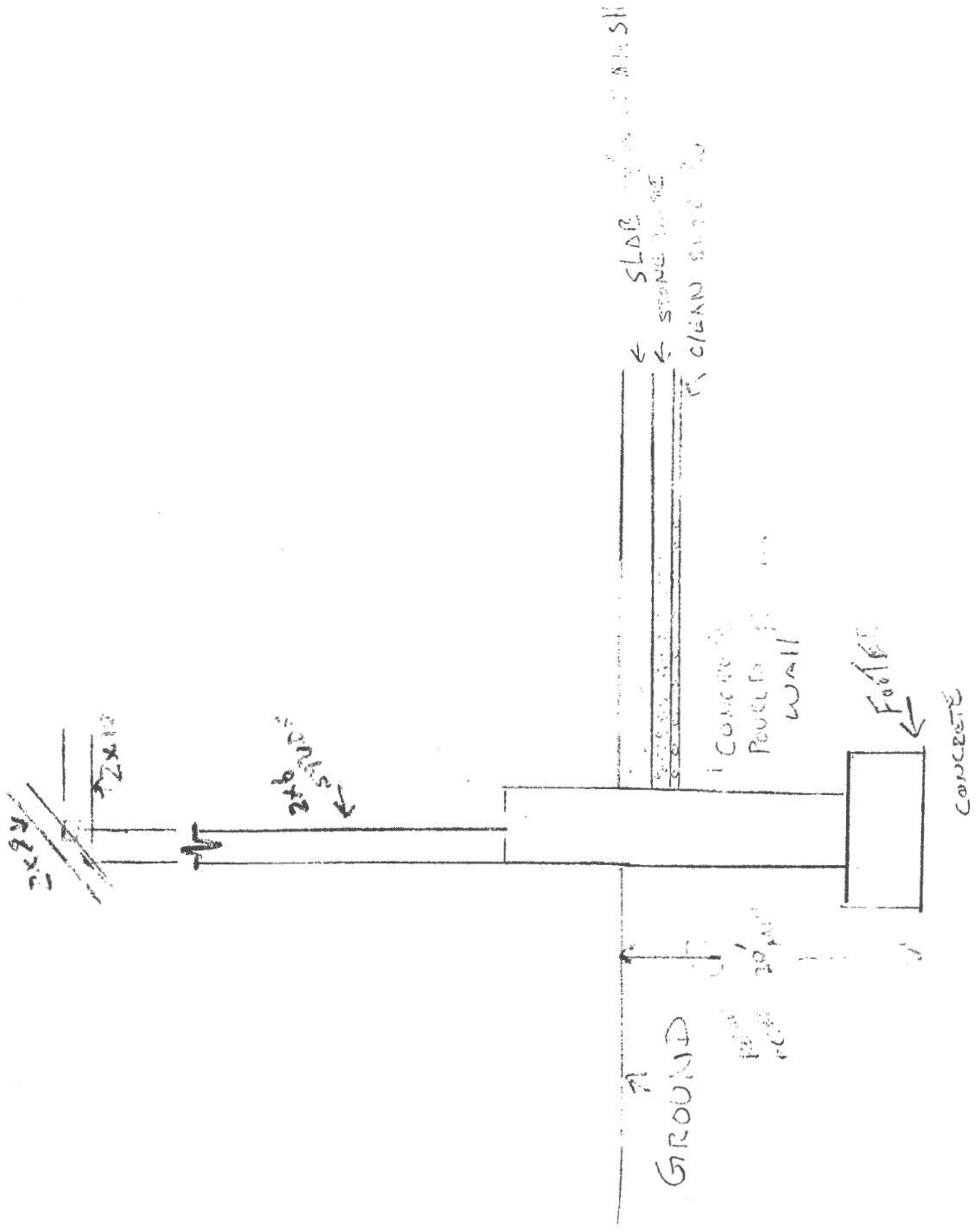
REC-COMPT. CAB  
ATTACHMENT

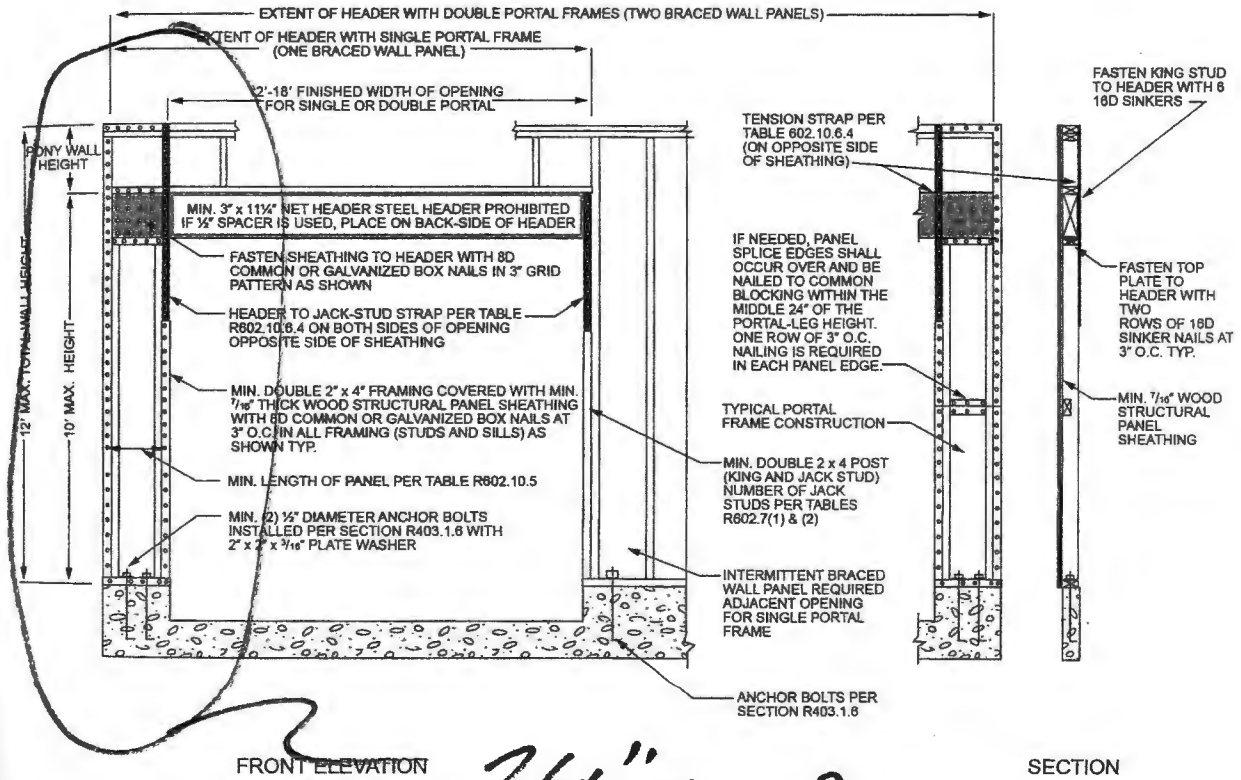
6x30 STORAGE

DOWN

30

16





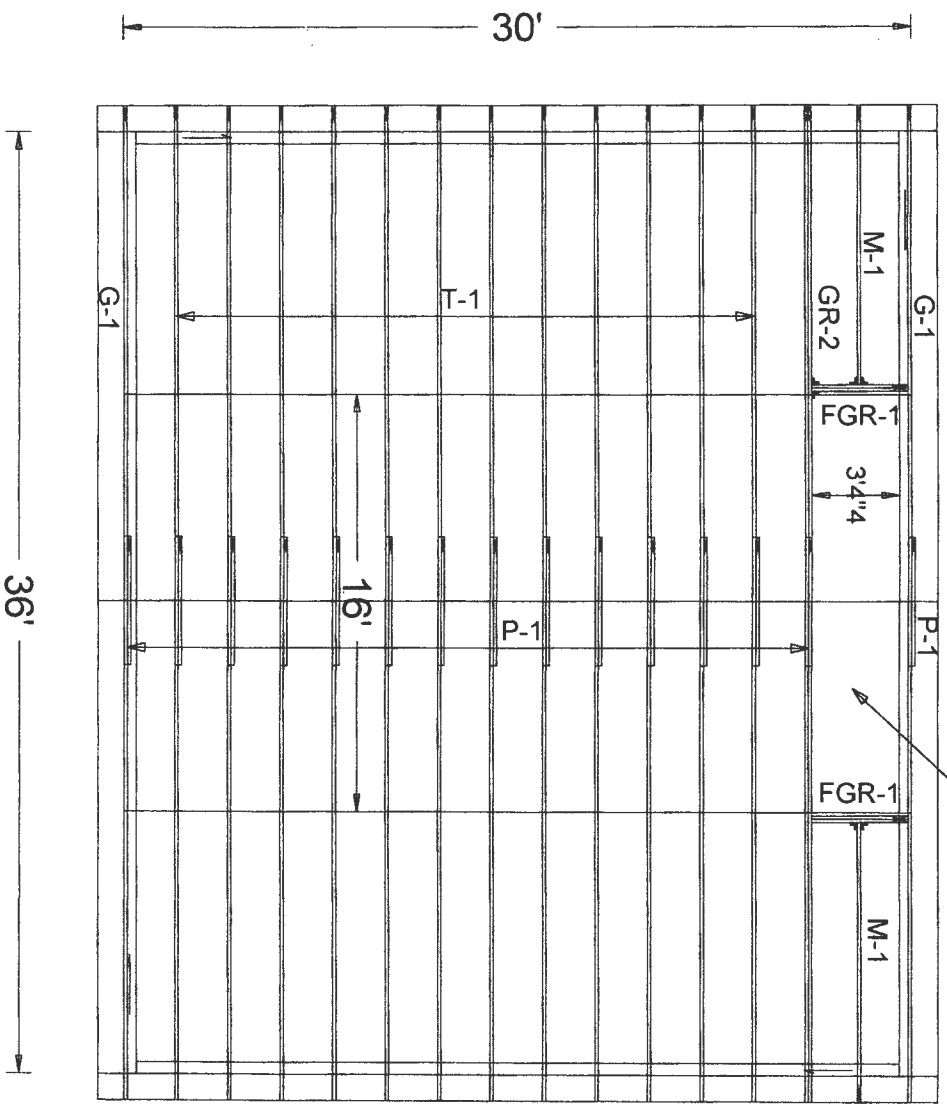
*24" MIN. SIZE*

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

FIGURE R602.10.6.3  
METHOD PFG—PORTAL FRAME AT GARAGE DOOR OPENINGS IN SEISMIC DESIGN CATEGORIES A, B AND C

Roof Plane Sheathing Area = 1461 sq. ft

LADDER FRAMING  
BY BUILDER BETWEEN  
TRUSSES AT STAIRWELL



Job Description: WDL CONST. - 36' X 30' G  
Customer: Ritchie Lmbr & Bldg Suppl  
Designer: TN  
Salesman: MJ  
DESIGNER: TOM N. x229  
Date: 07-19-2023

JOB NO:  
601044

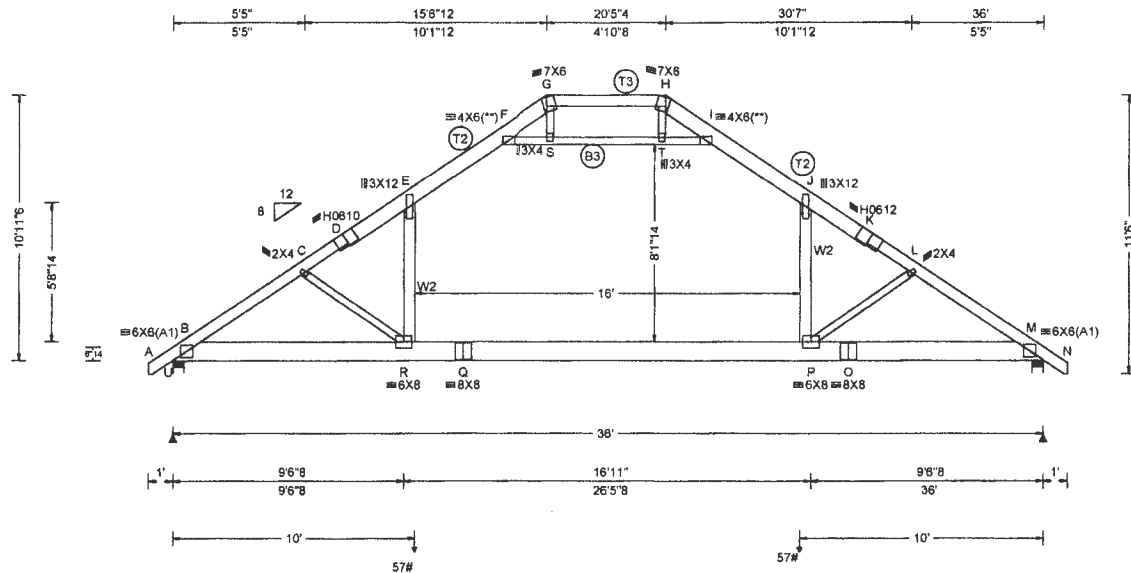
PAGE NO:  
1 OF 1

Job Number: 601044  
 WDL CONST. - 36' X 30' GARAGE  
 Truss Label: T-1 36' Attic

Ply: 1  
 Qty: 12  
 Wgt: 304.5 lbs

SEQN: 48645 / T8 / ATIC  
 FROM: TN

DRW: ... / ... 07/19/2023



▲ Maximum Reactions (lbs)

Loc	Gravity			Non-Gravity		
	R+	/R-	/Rh	/Rw	/U	/R
U	2793	-	-	/924	/166	/262
M	2793	-	-	/924	/166	-

Wind reactions based on MWFRS  
 U Brg Wid = 5.5 Min Req = 2.3 (Truss)  
 M Brg Wid = 5.5 Min Req = 2.3 (Truss)  
 Bearings U & M are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
A - B	53	0	H - I	492	-195
B - C	517	-4675	I - J	506	-2994
C - D	461	-4158	J - K	476	-4073
D - E	476	-4074	K - L	461	-4157
E - F	506	-2993	L - M	517	-4673
F - G	493	-194	M - N	53	0
G - H	922	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - R	3851	-332	P - O	3849	-334
R - Q	3038	-163	O - M	3849	-334
Q - P	3038	-163			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
C - R	220	-1024	T - H	542	-52
R - E	1733	0	T - I	416	-3854
F - S	416	-3854	J - P	1729	0
G - S	542	-52	P - L	220	-1021
S - T	408	-3771			

**Loading Criteria (psf)**  
 TCCL: 40.00  
 TCDL: 10.00  
 BCLL: 0.00  
 BCDL: 10.00  
 Des Ld: 60.00  
 NCBCLL: 10.00 Soffit: 2.00  
 Load Duration: 1.15  
 Spacing: 24.0"

**Wind Criteria**  
 Wind Std: ASCE 7-16 Speed: 115 mph  
 Enclosure: Closed Risk Category: EXP: C  
 TCCL: 4.2 psf BCDL: 5.0 psf  
 Mean Height: 17.43 ft  
 MWFRS Parallel Dist: 0 to h/2  
 C&C Dist a: 3.60 ft  
 Loc. from endwall: Any  
 GCpi: 0.18  
 Wind Duration: 1.60

**Snow Criteria**  
 (Pg.Pf in PSF)  
 Pg: 40.0 Ct: 1.2  
 Pf: 33.6 Ce: 1.0  
 CAT: II  
 Lu: - Cs: 1.00  
 Snow Duration: 1.15

**Code / Misc Criteria**  
 Bldg Code: IRC 2018  
 TPI Std: 2014  
 Rep Factors Used: No  
 FT/RT: 0(0)/0(0)  
 Plate Type:  
 WAVE, HS

**Defl/CSI Criteria**  
 PP Deflection in loc L/defl L/#  
 VERT(LL): 0.399 R 999 240 Max TC CSI: 0.713  
 VERT(TL): 0.689 R 622 180 Max BC CSI: 0.645  
 HORZ(LL): 0.230 E - - Max Web CSI: 0.734  
 HORZ(TL): 0.397 E - - Creep Factor: 2.0  
 Mfg Specified Camber:  
 VIEW Ver: 22.02.00.0914.12

**Lumber**  
 Top chord: 2x6 SPF(S) 1650f-1.5E;  
 T2 2x8 SP 2400f-2.0E; T3 2x6 SPF #1/#2;  
 Bot chord: 2x10 SP 2400f-2.0E; B3 2x4 SPF(S) #2;  
 Webs: 2x4 SPF(S) Stud; W2 2x6 SPF #1/#2;

**Plating Notes**  
 (\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.  
 Plates sized for a minimum of 2.40 sq.in./piece.

**Loading**  
 Bottom chord checked for 10.00 psf non-concurrent live load.  
 Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

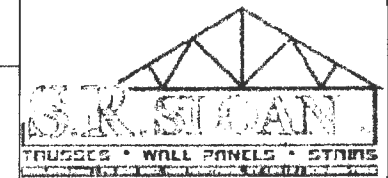
Attic room loading from 10-0-0 to 26-0-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 7 PSF, Kneewalls: 5 PSF  
 Truss designed for unbalanced snow loads.

**Purlins**  
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.  
 Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Wind loading based on both gable and hip roof types.

This is a preliminary drawing the can be used only for trusses fabricated By S.R. Sloan, Inc.  
 It represents loading, span and pitch. S. R. Sloan, Inc. reserves the right to adjust materials and design at the time of production. The structural integrity will not be compromised. Sealed drawings will be furnished, upon request.

S.R. SLOAN, Inc.  
 TRUSSES . WALL PANELS . STAIRS  
 PO BOX 560, NEW HARTFORD, NY 13413  
 Office (800) 366-7562 \* Fax (315) 736-7740

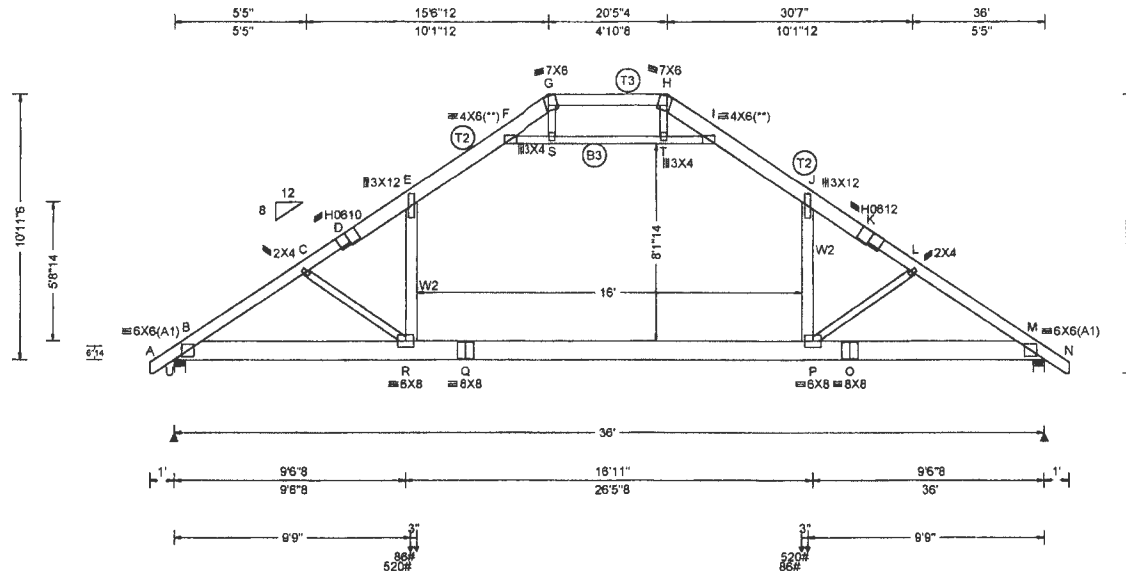


Job Number: 601044  
 WDL CONST. - 36' X 30' GARAGE  
 Truss Label: GR-2 38' Attic Gdr 2 Ply

Ply: 2  
 Qty: 1  
 Wgt: 304.5 lbs

SEQN: 48706 / T2 / ATIC  
 FROM: TN  
 Page 1 of 2

DRW: ... / ... 07/19/2023



**▲ Maximum Reactions (lbs)**

Loc	Gravity			Non-Gravity		
	R+	/R-	/Rh	/Rw	/U	/Rl
U	4709	-	-	/1386	/249	/392
M	4709	-	-	/1386	/249	-

Wind reactions based on MWFRS  
 U Brg Wid = 5.5 Min Req = 1.9 (Truss)  
 M Brg Wid = 5.5 Min Req = 1.9 (Truss)  
 Bearings U & M are a rigid surface.

**Maximum Top Chord Forces Per Ply (lbs)**

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	40	-3	H - I	369	-146
B - C	388	-3978	I - J	380	-2504
C - D	346	-3557	J - K	357	-3492
D - E	357	-3493	K - L	346	-3556
E - F	380	-2504	L - M	388	-3977
F - G	369	-146	M - N	40	-3
G - H	745	0			

**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	3289	-249	P - O	3287	-250
R - Q	2590	-122	O - M	3288	-250
Q - P	2590	-122			

**Maximum Web Forces Per Ply (lbs)**

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - R	165	-879	T - H	472	-39
R - E	1620	0	T - I	312	-3407
F - S	312	-3407	J - P	1617	0
G - S	471	-39	P - L	165	-877
S - T	306	-3334			

**Loading Criteria (psf)**  
 TCLL: 40.00  
 TCCL: 10.00  
 BCLL: 0.00  
 BCCL: 10.00  
 Des Ld: 60.00  
 NCBCLL: 0.00 Soffit: 2.00  
 Load Duration: 1.15  
 Spacing: 36.0"

**Wind Criteria**  
 Wind Std: ASCE 7-16 Speed: 115 mph  
 Enclosure: Closed Risk Category: EKP: C  
 TCCL: 4.2 psf BCDL: 5.0 psf  
 Mean Height: 17.43 ft  
 MWFRS Parallel Dist: 0 to h/2  
 C&C Dist a: 3.60 ft  
 Loc. from endwall: Any  
 GCpi: 0.18  
 Wind Duration: 1.60

**Snow Criteria**  
 (Pg. Pf in PSF)  
 Pg: 40.0 Ct: 1.2  
 Pf: 33.6 Ce: 1.0  
 CAT: II  
 Lu: - Cs: 1.00  
 Snow Duration: 1.15

**Code / Misc Criteria**  
 Bldg Code: IRC 2018  
 TPI Std: 2014  
 Rep Factors Used: No  
 FT/RT: 0(0)/0(0)  
 Plate Type: WAVE, HS

**Defl/CSI Criteria**  
 PP Deflection in loc L/defl L/#  
 VERT(LL): 0.361 R 999 240 Max TC CSI: 0.752  
 VERT(TL): 0.612 R 700 180 Max BC CSI: 0.547  
 HORZ(LL): 0.209 E - - Max Web CSI: 0.451  
 HORZ(TL): 0.354 E - - Creep Factor: 2.0  
 Mfg Specified Camber:  
 VIEW Ver: 22.02.00.0914.12

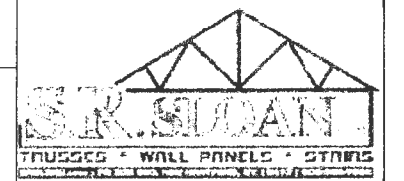
**Lumber**  
 Top chord: 2x6 SPF(S) 1650F-1.5E;  
 T2 2x8 SP 2400F-2.0E; T3 2x6 SPF #1/#2;  
 Bot chord: 2x10 SP 2400F-2.0E; B3 2x4 SPF(S) #2;  
 Webs: 2x4 SPF(S) Stud; W2 2x6 SPF #1/#2;  
**Nailnote**  
 Nail Schedule: 0.128"x3", min. nails  
 Top Chord: 1 Row @ 8.00" o.c.  
 Bot Chord: 1 Row @ 12.00" o.c.  
 Webs : 1 Row @ 4" o.c.  
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

**Special Loads**  
 -----(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)  
 TC: From 126 plf at -1.00 to 126 plf at 37.00  
 PLT: From 25 plf at 10.00 to 25 plf at 13.62  
 PLT: From 21 plf at 13.62 to 21 plf at 22.38  
 PLT: From 25 plf at 22.38 to 25 plf at 26.00  
 PLT: From 120 plf at 10.00 to 120 plf at 26.00  
 BC: From 7 plf at -1.00 to 7 plf at 0.00  
 BC: From 30 plf at 0.00 to 30 plf at 36.00  
 BC: From 7 plf at 36.00 to 7 plf at 37.00  
 BC: 520 lb Conc. Load at 9.75, 26.25  
 BC: 86 lb Conc. Load at 10.00, 26.00

**Plating Notes**  
 (\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.  
 Plates sized for a minimum of 2.40 sq.in./piece.  
**Loading**  
 Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.  
**Purlins**  
 In lieu of structural panels use purlins to brace TC @ 24" oc.  
 Collar-tie braced with continuous lateral bracing at 24" oc.

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 PO BOX 560, NEW HARTFORD, NY 13413  
 Office (800) 366-7562 \* Fax (315) 736-7740



Job Number: 601044  
WDL CONST. - 36' X 30' GARAGE  
Truss Label: GR-2 36' Attic Gdr 2 Ply

Ply: 2  
Qty: 1  
Wgt: 304.5 lbs

SEQN: 48706 / T2 / ATIC  
FROM: TN  
Page 2 of 2

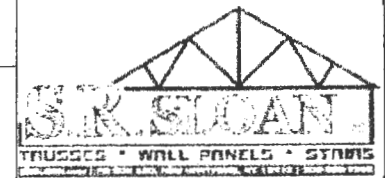
DRW: ... / ... 07/19/2023

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Wind loading based on both gable and hip roof types.

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PO BOX 560, NEW HARTFORD, NY 13413  
Office (800) 366-7562 \* Fax (315) 736-7740

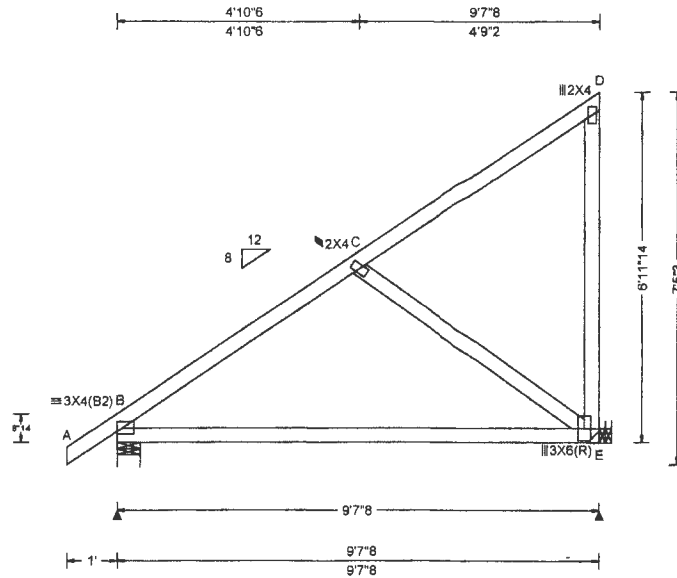


Job Number: 601044  
 WDL CONST. - 36' X 30' GARAGE  
 Truss Label: M-1 9'7" Mono

Ply: 1  
 Qty: 2  
 Wgt: 50.4 lbs

SEQN: 48699 / T5 / MONO  
 FROM: TN

DRW: ... / ... 07/19/2023



▲ Maximum Reactions (lbs)

Loc	Gravity			Non-Gravity		
	R+	R-	/Rh	/Rw	/U	/R

B 715 /- /- /297 /- /19  
 E 587 /- /- /293 /98 /-  
 Wind reactions based on MWFRS  
 B Brg Wid = 5.5 Min Req = 1.5 (Truss)  
 E Brg Wid = - Min Req = -  
 Bearing B is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	60	0	C - D	108	-171
B - C	19	-634			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - E	433	-268

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - E	326	-531	D - E	127	-195

**Loading Criteria (psf)**  
 TCCL: 40.00  
 TCDL: 10.00  
 BCCL: 0.00  
 BCDL: 10.00  
 Des Ld: 60.00  
 NCBCLL: 10.00 Soffit: 2.00  
 Load Duration: 1.15  
 Spacing: 24.0"

**Wind Criteria**  
 Wind Std: ASCE 7-16 Speed: 115 mph  
 Enclosure: Closed Risk Category: EXP: C  
 TCCL: 4.2 psf BCDL: 5.0 psf  
 Mean Height: 15.00 ft  
 MWFRS Parallel Dist: 0 to h/2  
 C&C Dist a: 3.00 ft  
 Loc. from endwall: Any  
 GCpi: 0.18  
 Wind Duration: 1.60

**Snow Criteria**  
 (Pg, Pf in PSF)  
 Pg: 40.0 Ct: 1.2  
 Pf: 33.6 Ce: 1.0  
 CAT: II  
 Lu: - Cs: 1.00  
 Snow Duration: 1.15

**Code / Misc Criteria**  
 Bldg Code: IRC 2018  
 TPI Std: 2014  
 Rep Factors Used: Yes  
 FT/RT: 0(0)/0(0)  
 Plate Type: WAVE

**Defl/CSI Criteria**  
 PP Deflection in loc L/defl L/#  
 VERT(LL): -0.006 C 999 240 Max TC CSI: 0.690  
 VERT(TL): -0.018 C 999 180 Max BC CSI: 0.502  
 HORZ(LL): -0.005 B - - Max Web CSI: 0.444  
 HORZ(TL): 0.018 B - - Creep Factor: 2.0  
 Mfg Specified Camber:  
 VIEW Ver: 22.02.00.0914.12

**Lumber**  
 Top chord: 2x4 SPF(S) #2;  
 Bot chord: 2x4 SPF(S) 2100f-1.8E;  
 Webs: 2x4 SPF(S) Stud;

**Plating Notes**  
 Plates sized for a minimum of 2.40 sq.in./piece.

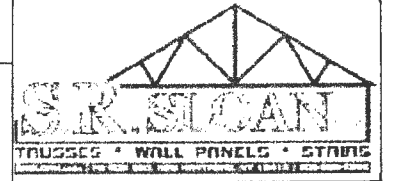
**Hangers / Ties**  
 (J) Hanger Support Required, by others

**Loading**  
 Bottom chord checked for 10.00 psf non-concurrent live load.

**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Right end vertical not exposed to wind pressure.  
 Wind loading based on both gable and hip roof types.

This is a preliminary drawing the can be used only for trusses fabricated By S.R. Sloan, Inc.  
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S.R. SLOAN, Inc.  
 TRUSSES . WALL PANELS . STAIRS  
 PO BOX 560, NEW HARTFORD, NY 13413  
 Office (800) 366-7562 \* Fax (315) 736-7740



Job Number: 601044  
WDL CONST. - 36' X 30' GARAGE  
Truss Label: FGR-1 3'8"4 Flat Gdr 2 Ply

Ply: 2  
Qty: 2  
Wgt: 43.4 lbs

SEQN: 48701 / T3 / FLAT  
FROM: TN  
Page 2 of 2

DRW: ... / ... 07/19/2023

**Lumber**

Top chord: 2x4 SPF(S) #2;  
Bot chord: 2x6 SPF #1/#2;  
Webs: 2x4 SPF(S) Stud;

**Nailnote**

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 1 Row @ 6.50" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails  
in each row to avoid splitting.

**Special Loads**

----(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)  
TC: From 100 plf at 0.00 to 100 plf at 3.69  
BC: From 20 plf at 0.00 to 20 plf at 3.69  
BC: 587 lb Conc. Load at 1.88

**Plating Notes**

Plates sized for a minimum of 2.40 sq.in./piece.

**Hangers / Ties**

(J) Hanger Support Required, by others

**Purlins**

The TC of this truss shall be braced with attached spans  
at 24" oc in lieu of structural sheathing.

**Wind**

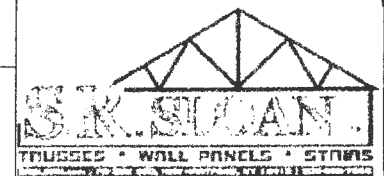
Wind loads and reactions based on MWFRS.  
Left end vertical exposed to wind pressure. Deflection  
meets L/180.  
Right end vertical not exposed to wind pressure.

**Additional Notes**

Truss must be installed as shown with top chord up.

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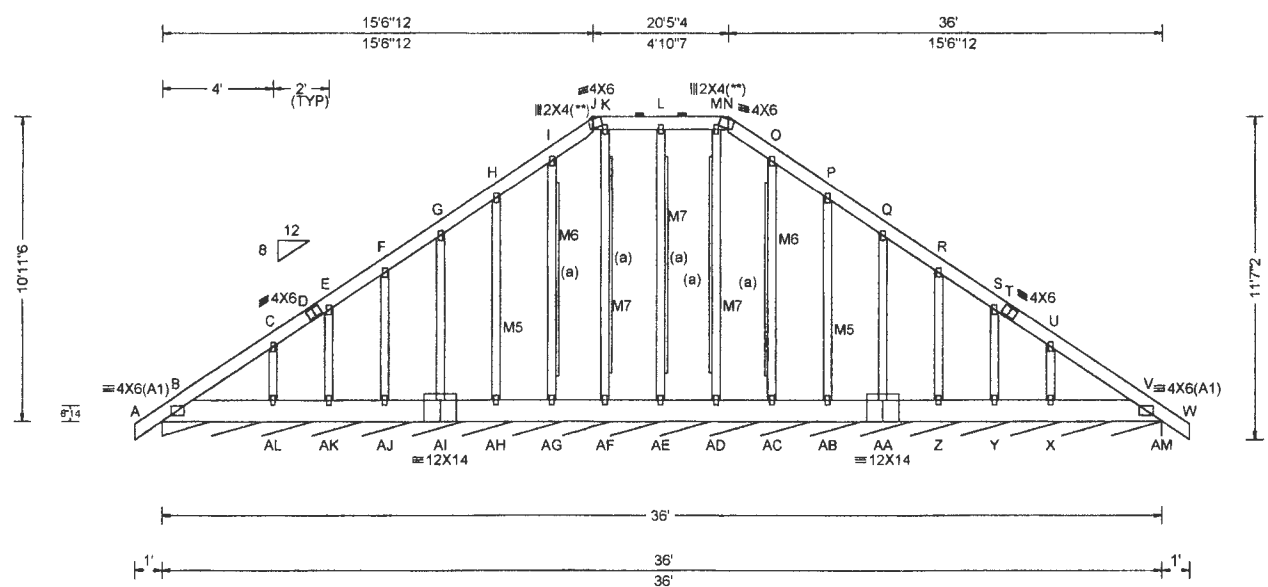


Job Number: 601044  
 WDL CONST. - 36' X 30' GARAGE  
 Truss Label: G-1 38' Gable

Ply: 1  
 Qty: 2  
 Wgt: 371.7 lbs

SEQN: 48654 / T1 / GABL  
 FROM: TN

DRW: ... / ... 07/19/2023



**▲ Maximum Reactions (lbs), or \*#PLF Gravity Non-Gravity**

Loc	R+	/R-	/Rh	/Rw	/U	/R
AM*150	-	-	/50	/11	/8	

Wind reactions based on MWFRS  
 AM Brg Wid = 432 Min Req = -  
 Bearing B is a rigid surface.

**Maximum Top Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.		
A - B	69	0	L - M	206	-78
B - C	145	-237	M - N	210	-75
C - D	111	-209	N - O	216	-172
D - E	114	-150	O - P	175	-176
E - F	96	-189	P - Q	111	-178
F - G	87	-183	Q - R	63	-183
G - H	111	-178	R - S	72	-189
H - I	175	-176	S - T	90	-126
I - J	216	-172	T - U	87	-209
J - K	210	-75	U - V	121	-237
K - L	206	-78	V - W	69	0

**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.		
B - AL	220	-154	AE - AD	234	-145
AL - AK	228	-159	AD - AC	234	-145
AK - AJ	229	-161	AC - AB	233	-144
AJ - AI	231	-162	AB - AA	232	-143
AI - AH	232	-145	AA - Z	230	-142
AH - AG	233	-145	Z - Y	228	-140
AG - AF	234	-145	Y - X	225	-138
AF - AE	234	-145	X - V	219	-134

**Loading Criteria (psf)**  
 TCLL: 40.00  
 TC DL: 10.00  
 BC LL: 0.00  
 BC DL: 10.00  
 Des Ld: 60.00  
 NCBCLL: 10.00 Soffit: 2.00  
 Load Duration: 1.15  
 Spacing: 24.0"

**Wind Criteria**  
 Wind Std: ASCE 7-16 Speed: 115 mph  
 Enclosure: Closed Risk Category: C  
 TC DL: 4.2 psf BCDL: 5.0 psf  
 Mean Height: 15.00 ft  
 MWFRS Parallel Dist: 0 to h/2  
 C&C Dist a: 3.60 ft  
 Loc. from endwall: Any  
 GCpi: 0.18  
 Wind Duration: 1.60

**Snow Criteria**  
 (Pg. Pf in PSF)  
 Pg: 40.0 Ct: 1.2  
 Pf: 33.6 Ce: 1.0  
 CAT: II  
 Lu: - Cs: 1.00  
 Snow Duration: 1.15

**Code / Misc Criteria**  
 Bldg Code: IRC 2018  
 TPI Std: 2014  
 Rep Factors Used: Varies by  
 FT/RT: 0(0)/0(0)  
 Plate Type: WAVE

**Defl/CSI Criteria**  
 PP Deflection in loc L/defl L/#  
 VERT(LL): 0.004 N 999 240 Max TC CSI: 0.079  
 VERT(TL): 0.006 N 999 180 Max BC CSI: 0.021  
 HORZ(LL): 0.002 Q - - Max Web CSI: 0.274  
 HORZ(TL): 0.003 P - - Creep Factor: 2.0  
 Mfg Specified Camber:  
 VIEW Ver: 22.02.00.0914.12

**Maximum Gable Forces Per Ply (lbs)**

Gables	Tens.Comp.	Gables	Tens. Comp.		
C - AL	118	-333	M - AD	0	-252
E - AK	81	-231	AC - O	57	-274
F - AJ	88	-260	AB - P	95	-275
G - AI	89	-263	AA - Q	89	-263
H - AH	95	-275	Z - R	88	-260
I - AG	57	-274	Y - S	81	-231
K - AF	3	-252	X - U	118	-333
L - AE	81	-280			

**Lumber**  
 Top chord: 2x6 SPF #1#2;  
 Bot chord: 2x10 SP 2400f-2.0E;  
 Webs: 2x4 SPF(S) Stud; M5, M6, M7 2x4 SPF(S) #2;

**Bracing**  
 (a) 1x4 #3SRB SPF-S or better "L" reinforcement. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 8" oc.

**Purlins**  
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Plating Notes**  
 All plates are 2X4 except as noted.  
 (\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.  
 Plates sized for a minimum of 2.40 sq.in./piece.

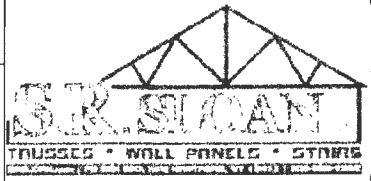
**Loading**  
 Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.  
 Bottom chord checked for 10.00 psf non-concurrent live load.

**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Wind loading based on both gable and hip roof types.

**Additional Notes**  
 See DWGS A11515ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

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Job Number: 601044  
 WDL CONST. - 36' X 30' GARAGE  
 Truss Label: P-1 4'10"8 Piggy

Ply: 1  
 Qty: 16  
 Wgt: 14.0 lbs

SEQN: 48650 / T7 / COMN  
 FROM: TN

DRW: ... / ... 07/19/2023

▲ Maximum Reactions (lbs), or \*=PLF  
 Gravity Non-Gravity  
 Loc R+ / R- / Rh / Rw / U / R

A	14	1-7	1-	1/6	1/20	1/33
B*	146	1-	1-	1/58	1/17	1-
E	14	1-7	1-	1/0	1/7	1-

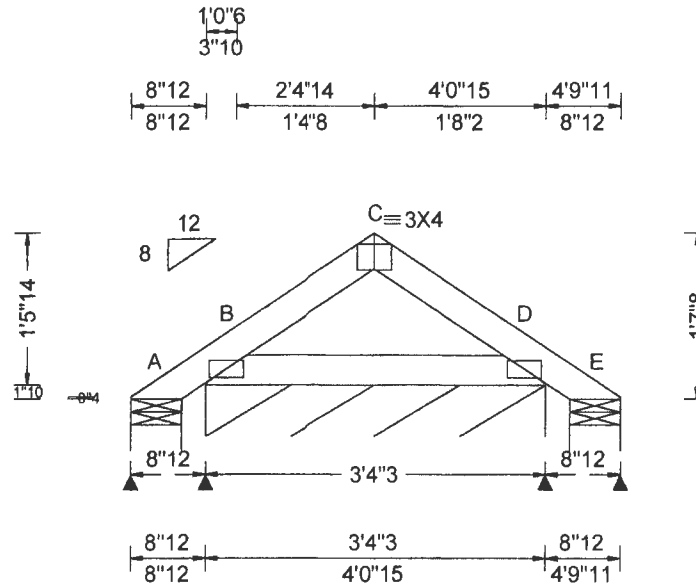
Wind reactions based on MWFRS  
 A Brg Wid = 5.9 Min Req = 1.5 (Truss)  
 B Brg Wid = 40.2 Min Req = -  
 E Brg Wid = 5.9 Min Req = 1.5 (Truss)  
 Bearings A, B, & E are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)  
 Chords Tens.Comp. Chords Tens. Comp.

A - B	45	-36	C - D	92	-171
B - C	93	-171	D - E	22	-8

Maximum Bot Chord Forces Per Ply (lbs)  
 Chords Tens.Comp.

B - D	112	-7
-------	-----	----



**Loading Criteria (psf)**  
 TCLL: 40.00  
 TCCL: 10.00  
 BCLL: 0.00  
 BCDL: 10.00  
 Des Ld: 60.00  
 NCBCLL: 10.00 Soffit: 2.00  
 Load Duration: 1.15  
 Spacing: 24.0"

**Wind Criteria**  
 Wind Std: ASCE 7-16 Speed: 115 mph  
 Enclosure: Closed Risk Category: EXP: C  
 TCCL: 4.2 psf BCDL: 5.0 psf  
 Mean Height: 20.86 ft  
 MWFRS Parallel Dist: 0 to h/2  
 C&C Dist a: 3.00 ft  
 Loc. from endwall: Any  
 GCpi: 0.18  
 Wind Duration: 1.60

**Snow Criteria**  
 (Pg, Pf in PSF)  
 Pg: 40.0 Ct: 1.2  
 Pf: 33.6 Ce: 1.0  
 CAT: II  
 Lu: - Cs: 1.00  
 Snow Duration: 1.15

**Code / Misc Criteria**  
 Bldg Code: IRC 2018  
 TPI Std: 2014  
 Rep Factors Used: Yes  
 FT/RT: 0(0)/0(0)  
 Plate Type:  
 WAVE

**Def/CSI Criteria**  
 PP Deflection in loc L/defl L/#  
 VERT(LL): 0.001 C 999 240 Max TC CSI: 0.032  
 VERT(TL): 0.001 B 999 180 Max BC CSI: 0.064  
 HORZ(LL): 0.000 B - - Max Web CSI: 0.000  
 HORZ(TL): 0.001 D - - Creep Factor: 2.0  
 Mfg Specified Camber:  
 VIEW Ver: 22.02.00.0914.12

**Lumber**  
 Top chord: 2x4 SPF(S) #2;  
 Bot chord: 2x4 SPF(S) #2;

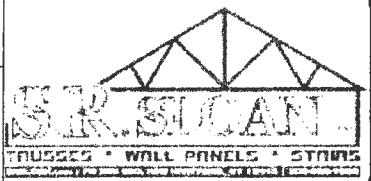
**Plating Notes**  
 All plates are 2X4(A1) except as noted.  
 Plates sized for a minimum of 2.40 sq.in./piece.

**Loading**  
 Bottom chord checked for 10.00 psf non-concurrent live load.

**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Wind loading based on both gable and hip roof types.

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ORDERED BY:



2037 Liberty Road  
Eldersburg, Maryland 21784  
P. 410.795.5105 | F. 410.795.1577



PROPERTY ADDRESS: 14024 TRIADELPHIA ROAD GLENELG, MARYLAND 21737

SURVEY NUMBER: 1807.1245

FIELD WORK DATE: 7/19/2018

REVISION HISTORY: (REV 0 7/20/2018)

18071245  
LOCATION DRAWING  
14024 TRIADELPHIA ROAD  
HOWARD COUNTY, MARYLAND  
07-20-2018 SCALE 1"=200'

DESCRIPTION HAS A  
MISCLOSURE OF 12.46"

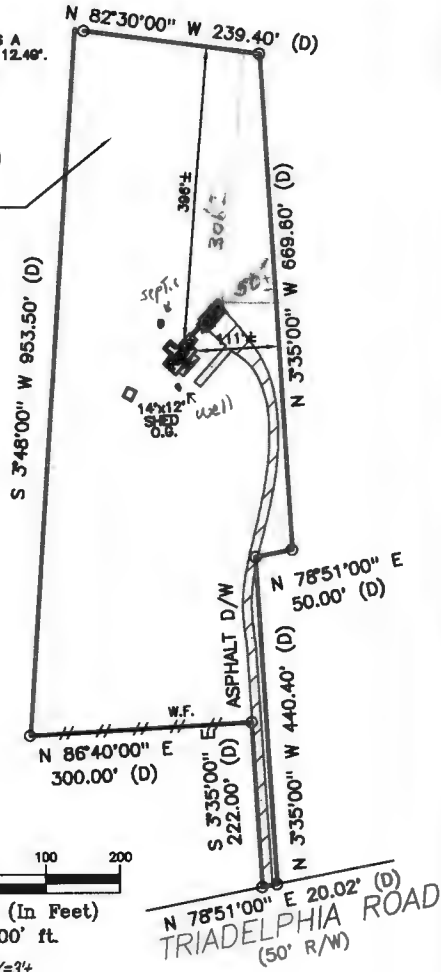
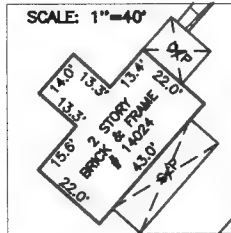
LIBER 11930  
FOLIO 13  
6.268 A.C.



**PLEASE NOTE**

This House Location Drawing is for informational purposes only. Per Maryland State Code it may not be relied upon to determine property boundaries and may not be used for building permits or construction.

SCALE: 1"=40'



*William R. H. J.*  
EXPIRES 1-14-2019



GRAPHIC SCALE (In Feet)  
1 inch = 200' ft.

ACCURACY=3±

POINTS OF INTEREST:  
NONE VISIBLE

CLIENT NUMBER: AT-72460

DATE: 07/20/18

POWERED BY:

BUYER: MARY C. LEWIS, MICHAEL S. LORENTZ

SELLER: RYAN ESTES L/E



www.surveystars.com

CERTIFIED TO:

MARY C. LEWIS, MICHAEL S. LORENTZ; ADVANTAGE TITLE COMPANY



LB# 21535  
www.exactamd.com

A LICENSEE EITHER PERSONALLY PREPARED THIS DRAWING OR WAS IN RESPONSIBLE CHARGE OVER ITS PREPARATION AND THE SURVEYING WORK REFLECTED IN IT.

THIS IS A TWO PAGE DOCUMENT. THE ADVICE FOUND ON THE AFFIXED PAGE (PAGE 2 OF 2) IS AN INTEGRAL PART OF THE PLAT.

LEGAL DESCRIPTION:

ALL THAT PIECE OF PARCEL OF LAND BEING DESCRIBED IN LIBER 11930, FOLIO 13, RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

JOB SPECIFIC SURVEYOR NOTES:

THE BEARING SYSTEM SHOWN HEREON HAS BEEN REFERENCED TO A DEED AS RECORDED IN LIBER 11930 FOLIO 13 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

ACCURACY EQUALS THREE FEET PLUS OR MINUS

GENERAL SURVEYOR NOTES:

1. This plat is of benefit to the consumer insofar as it is required by a lender or title insurance company or its agent in connection with contemplated transfer, financing or refinancing.
2. This drawing is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements.
3. This drawing does not provide for the accurate identification of the property boundary lines, but this identification might not be required for the transfer of title or securing financing or refinancing.
4. Unless otherwise noted, no Title Report was furnished to this surveyor. Easements, restrictions, and/or right-of-ways may exist that are not shown.
5. Underground facilities not shown, may exist.
6. This survey does not address wetlands, contaminated waste or toxic soil conditions, nor have any reports, studies or information regarding such been provided to this surveyor.
7. The information contained on this survey has been performed exclusively, and is the sole responsibility, of Exacta Surveyors. Additional logos or references to third party firms are for informational purposes only.
8. Structures are measured at ground level.
9. Points of Interest (POI's) are selected above-ground improvements which may be in conflict with boundary, building setback or easement lines, as defined by the parameters of this survey. There may be additional POI's which are not shown, not called-out as POI's, or which are otherwise unknown to the surveyor. These POI's may not represent all items of interest to the viewer.
10. Utilities shown on the subject property may or may not indicate the existence of recorded or unrecorded utility easements.
11. House measurements should not be used for new construction or planning. Measurements should be verified prior to such activity.

LEGEND:

LINE TYPES: (AS SHOWN ON DRAWING)	
BOUNDARY LINE	IRON FENCE
OVERHEAD LINE	OVERHEAD LINE
STRUCTURE	SURVEY LINE
CENTERLINE	WALL OR PART WALL
CHAIN-LINK OR WIRE FENCE	WOOD FENCE
EASEMENT	VINYL FENCE
EDGE OF WATER	

SURVEYOR'S LEGEND

SURFACE TYPES: (AS SHOWN ON DRAWING)		SYMBOLS: (AS SHOWN ON DRAWING)	
ASPHALT	BRICK	BENCH MARK	FIRE HYDRANT
CONCRETE	COVERED AREA	CENTERLINE	PHD OR SET MONUMENT
WOOD	WOOD	CENTRAL ANGLE or DELTA	GUNWIRE OR ANCHOR
		COMMON OWNERSHIP	MANHOLE
		CONTROL POINT	TREE
		CONCRETE MONUMENT	UTILITY OR LIGHT POLE
		CATCH BASIN	WELL
		ELEVATION	

ICD	CALCULATED	E.O.W.	EDGE OF WATER	N.T.S.	NOT TO SCALE	R.P.	RADIUS POINT	A.E.	ACCESS EASEMENT
DB	DEED	ELEV.	ELEVATION	NAV088	NORTH AMERICAN VERTICAL DATUM OF 1988	R/W	RIGHT OF WAY	AN.E.	ANCHOR EASEMENT
FI	FIELD MEASURED	EM	ELECTRIC METER	NGV029	NATIONAL GEODETIC VERTICAL DATUM OF 1929	RES.	RESIDENCE	C.M.E.	CANAL MAINTENANCE ESMT.
PI	PLAT	ENCL.	ENCLOSURE	C.C.S.	ON CONCRETE SLAB	RGE.	RANGE	C.U.E.	COUNTY UTILITY ESMT.
RD	RECORD	ENT.	ENTRANCE	O.G.	ON GROUND	S.C.L.	SET BACK LINE	D.E.	DRAINAGE EASEMENT
S.S.J.	SURVEY	EUB	ELECTRIC UTILITY BOX	O.R.B.	OFFICIAL RECORD BOOK	S.T.L.	SURVEY TIE LINE	D.U.E.	DRAINAGE AND UTILITY ESMT.
A.S.B.L.	ACCESSORY SETBACK LINE	F.F.	FINISHED FLOOR	O.R.V.	OFFICIAL RECORD VOLUME	S.W.	SEAWALL	ESMT.	EASEMENT
A/C	AIR CONDITIONING	F.O.P.	EDGE OF PAVEMENT	O.V.	OVERALL	S.G.D.	SET GLUE DISC	LE/E.	INGRESS/EGRESS ESMT.
B.C.	BLOCK CORNER	F/DH	FOUND DRILL HOLE	Q.S.	OFFSET	S/W	SEWALK	IR.R.	IRRIGATION EASEMENT
B.F.P.	BACKFLOW PREVENTOR	FDM	FOUND CONCRETE MONUMENT	Q.S.	OUTSIDE OF SUBJECT PARCEL	SCR.	SCREEN	L.A.E.	LIMITED ACCESS ESMT.
B.L.L.	BUILDING RESTRICTION LINE	FR	FOUND IRON PIPE	OFF	OVERHANG	SEC.	SECTION	L.B.E.	LANDSCAPE BUFFER ESMT.
B/W	BAY/BOW WINDOW	FRIC	FOUND IRON ROD & CAP	OH.	OVERHEAD LINES	SEP.	SEPTIC TANK	L.E.	LANDSCAPE ESMT.
B.L.D.G.	BUILDING	FN	FOUND NAIL	OH.	OVERHEAD LINES	SEW.	SEWER	L.M.E.	LAKE OR LANDSCAPE
BLK.	BLOCK	FNAD	FOUND NAIL AND DISC	OH.	INSIDE OF SUBJECT PARCEL	SIRC.	SET IRON ROD & CAP	M.E.	MAINTENANCE EASEMENT
BM	BENCHMARK	FN.D.	FOUND NAIL DISC	PA.	PLAT BOOK	SNAD.	SET NAIL & DISC	P.U.E.	PUBLIC UTILITY EASEMENT
BSMT.	BASEMENT	FN.D.	FOUND NAIL DISC	P.C.	POINT OF CURVATURE	SQ.FT.	SQUARE FEET	R.O.E.	ROOF OVERHANG ESMT.
C	CURVE	FNPN	FOUND PARKER-KALON NAIL	P.C.C.	POINT OF COMPOUND CURVATURE	STY.	STORY	S.W.E.	SEWALK EASEMENT
C.B.	CONCRETE BLOCK	FRPND	FOUND PARKER-KALON NAIL DISC	R.C.P.	REPERMANENT CONTROL POINT	SV	SEWER VALVE	S.W.M.E.	STORM WATER MANAGEMENT EASEMENT
C.L.F.	CHAIN LINK FENCE	FRSPK	FOUND REBAR/ROAD SPIKE	PL	POINT OF INTERSECTION	T.O.B.	TOP OF BANK	T.U.E.	TECHNOLOGICAL UTILITY ESMT.
C.O.	CLEAN OUT	GAR.	GARAGE	P.O.B.	POINT OF BEGINNING	TBM	TEMPORARY BENCHMARK	U.E.	UTILITY EASEMENT
C.V.G.	CONCRETE VALLEY GUTTER	GM	GAS METER	P.O.C.	POINT OF COMMENCEMENT	TEL.	TELEPHONE FACILITIES		
C.L.	CENTER LINE	ID.	IDENTIFICATION	PP	PRICKED PIPE	TWP.	TOWNSHIP		
C/P	COVERED PORCH	ILL.	ILLEGIBLE	P.R.C.	POINT OF REVERSE CURVATURE	TX	TRANSFORMER		
C/S	CONCRETE SLAB	INT.	INTERSECTION	PRM.	PERMANENT REFERENCE MONUMENT	TYR.	TYPICAL		
CATV	CABLE TV RISER	L	LENGTH	P.T.	POINT OF TANGENCY	U.R.	UTILITY RISER		
CH	CHORD BEARING	L.S.F.	LICENSE # - BUSINESS LICENSE # - SURVEYOR	PVE	POOL EQUIPMENT	UG	UNDERGROUND		
CHM	CHIMNEY	M.S.	MAP BOOK	PG.	PAGE	UR	UTILITY RISER		
CONC.	CONCRETE	M.E.S.	METERED END SECTION	P.L.S.	PROFESSIONAL LAND SURVEYOR	V.F.	VINYL FENCE		
COR.	CORNER	M.F.	METERED END SECTION	PLT	PLANTER	W/C	WITNESS CORNER		
CSW	CONCRETE SIDEWALK	M.S.	METERED END SECTION	P.M.	PROFESSIONAL SURVEYOR AND MAPPER	W/F	WOODEN FENCE		
D.F.	DRAIN FIELD	M.H.	MANHOLE	R	RADIUS OF RADIAL	WM	WATER METER/VALVE BOX		
D.H.	DRILL HOLE	N.R.	NON RADIAL			WV	WATER VALVE		
D/W	DRIVEWAY								

ELECTRONIC SIGNATURE:

In order to "Electronically Sign" all of the PDFs sent by STARS, you must use a hash calculator. A free online hash calculator is available at <http://www.fileformat.info/tool/md5sum.htm>

To Electronically Sign any survey PDF:

1. Save the PDF onto your computer.
2. Use the online tool at <http://www.fileformat.info/tool/md5sum.htm> to browse for the saved PDF on your computer.
3. Select the Hash Method as SHA.
4. Click Submit.

Your PDF is electronically signed if all of the characters in the SHA-1 code submitted by STARS matches the code which is produced by the hash calculator. If they match exactly, your PDF is electronically signed. If the codes do not match exactly, your PDF is not authentic.

PRINTING INSTRUCTIONS:

1. While viewing the survey in Adobe Reader, select the "Print" button under the "File" tab.
2. Select a printer with legal sized paper.
3. Under "Print Range", click select the "All" toggle.
4. Under the "Page Handling" section, select the number of copies that you would like to print.
5. Under the "Page Scaling" selection drop down menu, select "None."
6. Uncheck the "Auto Rotate and Center" checkbox.
7. Check the "Choose Paper size by PDF" checkbox.
8. Click OK to print.

TO PRINT IN BLACK + WHITE:

1. In the main print screen, choose "Properties".
2. Choose "Quality" from the options.
3. Change from "Auto Color" or "Full Color" to "Grayscale".

# EXACTA

OFFERS



OFFER IS ONLY VALID FOR THIS PROPERTY AND BUYER AS LISTED ON THE FIRST PAGE OF THIS SURVEY