THE CITY OF NAPOLEON

BUILDING & ZONING DEPARTMENT
255 W. RIVERVIEW
(419) 592-4010

Building Permit

Permit Number: BP2009-36

Printed: 9/14/2009

ADDRESS: 234 Maumee Ave. W.

Applicant

Name: Eric Freytag
Address: 234 W. Maumee Avenue

Approval Date: 5/6/2009
419-592-0127

Owners

Name: Mr. Eric Freytag
Address: 234 W. Maumee Avenue
Napoleon, OH 43545

Phone: 419-592-0127

Contractors

Contractor Type: **General Contractor**
Name: Roger Schwiebert Construction
Address: E-134 Rd 8B

Hamler, OH 43524

Phone: 419-274-4583

Fees and Receipts:

Number	Description	Amount
FEE2009-309	New Home building permit fee	$224.60
FEE2009-310	State 1% fee (Calc)	$2.25
	Total Fees:	**$226.85**
RCPT2009-237		$226.85
	Total Receipts:	**$226.85**

New single family home

APPLICANTS SIGNATURE: _____ DATE: _____

☑ REMINDER: YOU MUST CALL (419)592-4010 FOR AN INSPECTION

Batch 21396

THE CITY OF NAPOLEON

BUILDING & ZONING DEPARTMENT
255 W. RIVERVIEW
(419)592-4010

Mechanical Permit

Permit Number: MC2009-9

Printed: 9/14/2009

ADDRESS: 234 Maumee Ave. W.

Applicant

Name: Eric Freytag
Address: 234 W. Maumee Avenue

Approval Date: 5/6/2009
419-592-0127

Owners

Name: Mr. Eric Freytag
Address: 234 W. Maumee Avenue
Napoleon, OH 43545

Phone: 419-592-0127

Contractors

Contractor Type: HVAC
Name: A.L.M.
Address: 130 Linfoot St

Wauseon, OH 43567

Phone: 419-335-7503

Fees and Receipts:

Number	Description	Amount
FEE2009-305	warm air heating system new	$25.00
FEE2009-306	State 1% fee (Calc)	$0.25
	Total Fees:	**$25.25**
RCPT2009-240		$25.25
	Total Receipts:	**$25.25**

New SF home

APPLICANTS SIGNATURE:_____ DATE:_____

☑ REMINDER: YOU MUST CALL (419)592-4010 FOR AN INSPECTION

THE CITY OF NAPOLEON

BUILDING & ZONING DEPARTMENT
255 W. RIVERVIEW
(419)592-4010

Electrical Permit

Permit Number: EL2009-22

Printed: 9/14/2009

ADDRESS: 234 Maumee Ave. W.

Applicant

Name: Eric Freytag
Address: 234 W. Maumee Avenue

Approval Date: 5/6/2009
419-592-0127

Owners

Name: Mr. Eric Freytag
Address: 234 W. Maumee Avenue
Napoleon, OH 43545

Phone: 419-592-0127

Contractors

Fees and Receipts:

Number	Description	Amount
FEE2009-303	Electrical (Auto)	$109.00
FEE2009-304	State 1% fee (Calc)	$1.09
	Total Fees:	**$110.09**
RCPT2009-239		$110.09
	Total Receipts:	**$110.09**

New SF home

APPLICANTS SIGNATURE:_____ DATE:_____

☑ **REMINDER: YOU MUST CALL (419)592-4010 FOR AN INSPECTION**

THE CITY OF NAPOLEON

BUILDING & ZONING DEPARTMENT
255 W. RIVERVIEW
(419)592-4010

Plumbing Permit

Permit Number: PL2009-42

Printed: 9/14/2009

ADDRESS: 234 Maumee Ave. W.

Applicant

Name: Eric Freytag
Address: 234 W. Maumee Avenue

Approval Date: 5/6/2009
419-592-0127

Owners

Name: Mr. Eric Freytag
Address: 234 W. Maumee Avenue
Napoleon, OH 43545

Phone: 419-592-0127

Contractors

Fees and Receipts:

Number	Description	Amount
FEE2009-302	PLUMBING (Auto)	$52.00
FEE2009-307	State 1% fee (Calc)	$0.52
	Total Fees:	**$52.52**
RCPT2009-238		$52.52
	Total Receipts:	**$52.52**

New SF home

APPLICANTS SIGNATURE:_____ DATE:_____

☑ **REMINDER: YOU MUST CALL (419)592-4010 FOR AN INSPECTION**

NEW HOME AND ADDITION PERMIT APPLICATION

THIS APPLICATION IS FOR RESIDENTIAL CONSTRUCTION INCLUDING BUILDING, ELECTRICAL, PLUMBING, MECHANICAL, DEMOLITION, REMODELING.

DATE 5/6/2009 JOB LOCATION 234 W. Maumee

LOT # _____ SUBDIVISION NAME _____

OWNER Eric & Adrienne Freytag PHONE 419-766-0054 419 766 0048

OWNER ADDRESS 902 W. Main St. CITY Napoleon ZIP OH

CONTRACTOR - Roger Swiebert PHONE ~~766-0054~~

CONTRACTOR ADDRESS _____ CITY _____ ZIP _____

CONTRACTOR FAX # _____ CELL PHONE (Opt.) _____

DESCRIPTION OF WORK TO BE PERFORMED: Tear down & New house built

ESTIMATED COST OF WORK TO BE PERFORMED: #120,000

WORK INFORMATION

BUILDING: Basement Floor Area 841 Sq. Ft. 1st Story Living Area 841 Sq. Ft.

2nd Floor Living Area 560 Sq. Ft. Garage Floor Area 345 Sq. Ft.

BUILDING SIZE: Length 46 Width 30 Stories 2 Height 29' DEMO VOL _____

Masonry Contractor self
Address _____ City _____ St _____ Phone _____ Fax _____ Zip _____

Electrical Contractor self
Address _____ City _____ St _____ Phone _____ Fax _____ Zip _____

Plumbing Contractor self
Address _____ City _____ St _____ Phone _____ Fax _____ Zip _____

Heating Contractor self
Address _____ City _____ St _____ Phone _____ Fax _____ Zip _____

Insulation Contractor self
Address _____ City _____ St _____ Phone _____ Fax _____ Zip _____

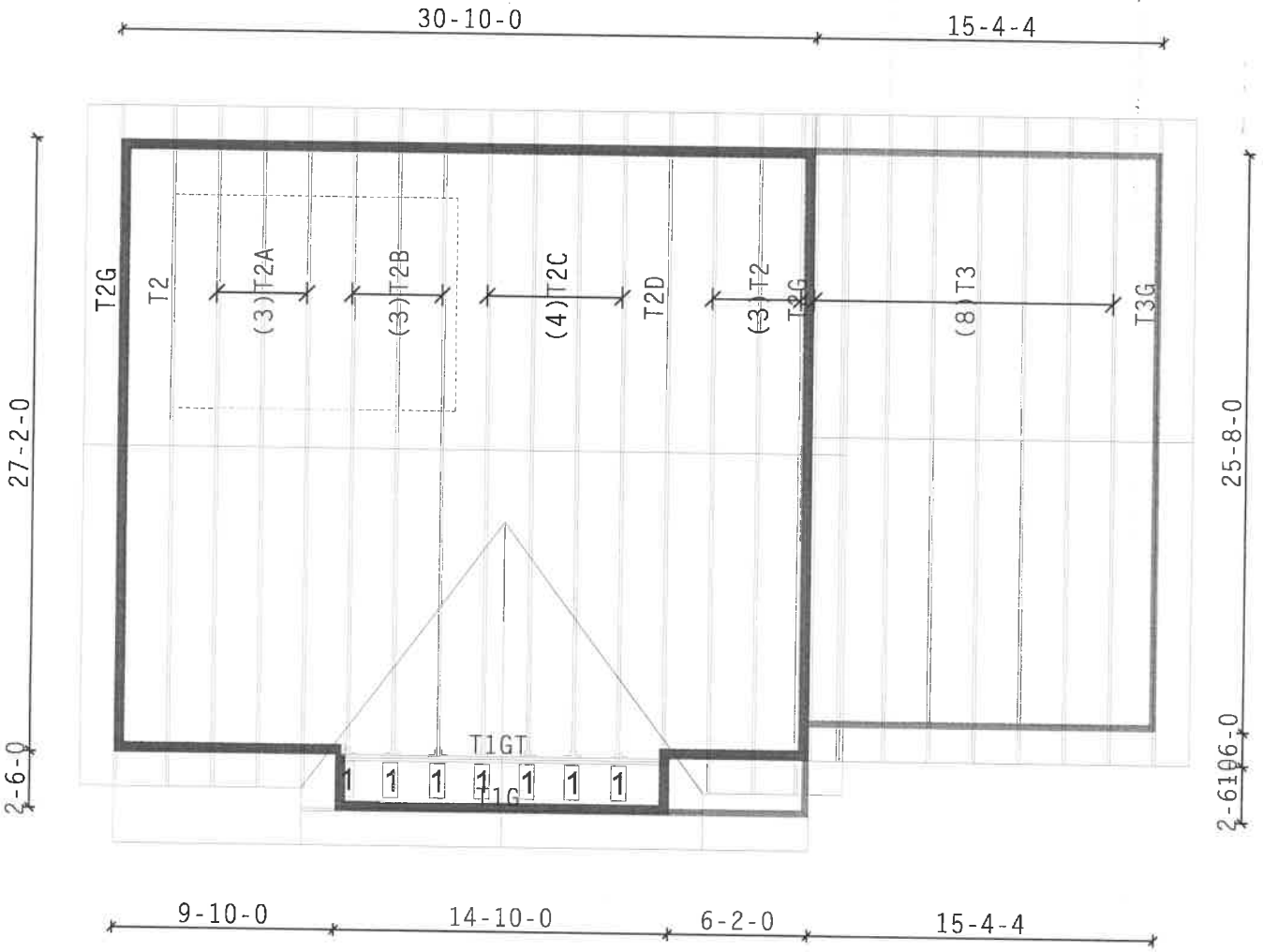
Other Contractor attach information.

ZONING INFORMATION (to be completed by City) : District _____ Lot Dimensions _____
Lot Area _____ FRSB _____ SYSB _____ RYSB _____ Max Ht _____ ft Max Cov _____ %

I by signing below agree to comply with all applicable City of Napoleon Codes & Ordinances while performing the work herein described. I understand that all work for which a permit is issued is required to be approved by the building inspector of the City of Napoleon

Applicant Signature _____ Date _____

ROOF TRUSS PLACEMENT PLAN



NOTES:

* RAFTERS, VALLEYS, HEADERS AND OVERFRAMING BY CONTRACTOR.

* CONTRACTOR TO VERIFY ALL DIMENSIONS. ALL DIMENSIONS ARE OUT TO OUT OF FRAME UNO

* SEE DETAIL TO VERIFY HEEL CONDITIONS.

* WALL HEIGHTS:(ABOVE FINISHED FIRST FLO
  1ST FLOOR= 8' 1 1/8"
  2ND FLOOR= 17' 2 7/8"

* FIELD ERECTION, HANDLING, SAFETY PRECAUTIONS AND BRACING OF THESE TRUSSES ARE NOT THE RESPONSIBILITY OF THE TRUSS MANUFACTURER, DESIGNER OR THE METAL CONNECTOR PLATE MANUFACTURER, AND THEREFORE, THE COVERAG OF THESE ITEMS IS NOT A PART OF THESE ENGINEERED DRAWINGS. PROFESSIO ADVISE SHOULD BE SOUGHT RELATIVE TO ERECTION, HANDLING, AND BRACING.

* HANGER SCHEDULE:

Symbol	Hanger	Location	Total Qty
1	HUS26	BC	7

AUTOMATED BUILDING COMPONENTS, INC.
2359 GRANT ROAD
NORTH BALTIMORE, OHIO 45872
PHONE: 1-800-837-2152
FAX: 1-419-257-2779

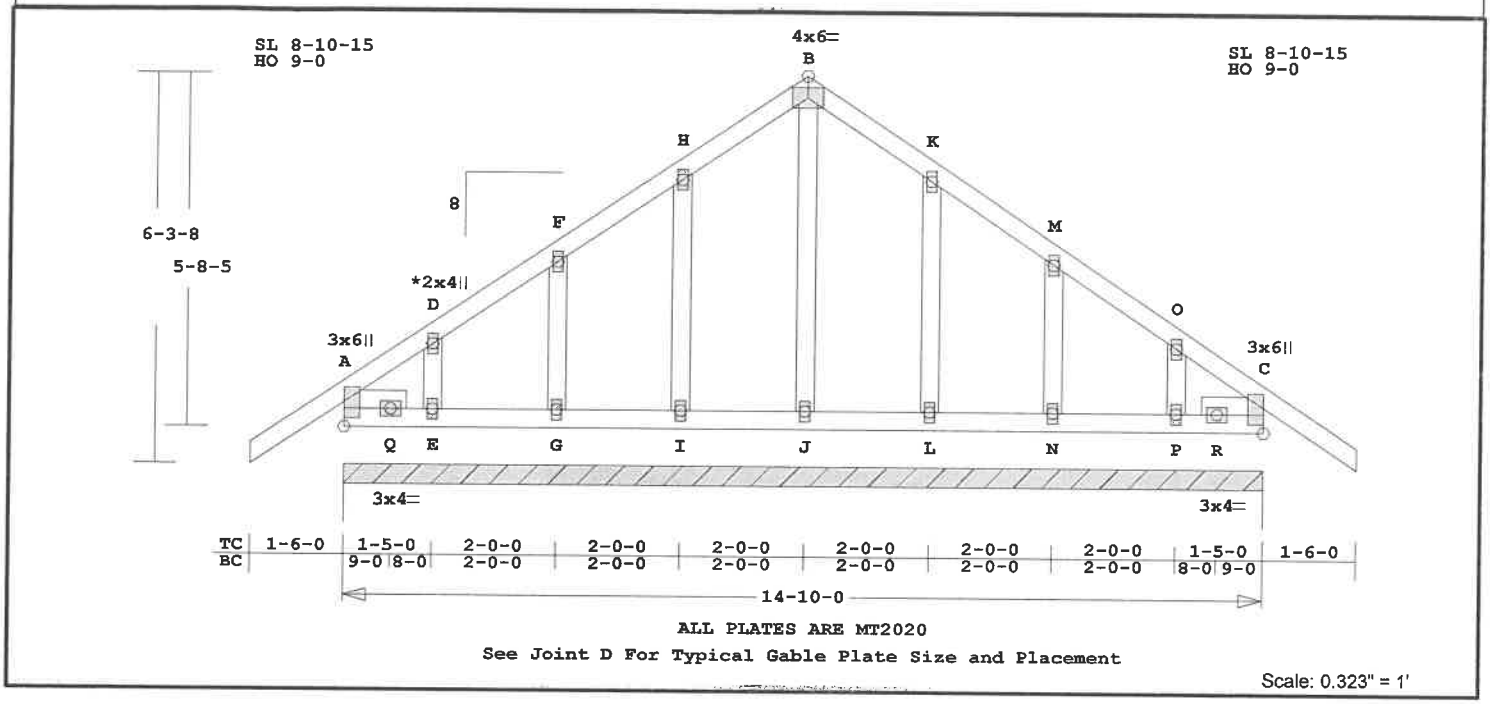
ROGER SCHWIEBERT
FREYTAG RES.
ROOF TRUSS
NAPOLEON, OH.
HENRY COUNTY

Roof Loading
TC Live: 25.00 psf
TC Dead: 10.00 psf
BC Live: 10.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 15.00
BC Stress Inc: 15.00
Spacing: 2- 0- 0 o.c.

Account: SCHWIEBERT~R
Job: 26412
Designer: SG
Checker:
Date: 08-27-09

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
26412	T1G	1	TR	141000	8	1- 6- 0	1- 6- 0	

FREYTAG -ROOF



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 110.7 LBS

Online Plus -- Version 25.0.001
RUN DATE: 14-AUG-09

	CSI	Size	Lumber
TC	0.05	2x 4	SPF-#2
BC	0.02	2x 4	165OF1.5
GW	0.06	2x 4	SPF-STUD
SL	0.01	2x 4	SPF-STUD

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	14-10- 0
BC	Cont.	0- 0- 0	14-10- 0

psf-Ld	Dead	Live
TC	10.0	25.0
BC	10.0	10.0
TC+BC	20.0	35.0
Total	55.0	Spacing 24.0"

Lumber Duration Factor 1.15
Plate Duration Factor 1.15
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1854	218 U	110 R

Jt	Brg Size	Required
A	178.0"	0"-to- 178"

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -D	0.03	81 C	0.00		0.03
D -F	0.05	67 C	0.00		0.05
F -H	0.05	49 C	0.00		0.05
H -B	0.05	98 T	0.00		0.05
B -K	0.05	98 T	0.00		0.05
K -M	0.05	42 T	0.00		0.05
M -O	0.05	36 C	0.00		0.05
O -C	0.03	74 C	0.00		0.03
Bottom Chords					
A -Q	0.00	3 T			
Q -E	0.01	0 T	0.00		0.01
E -G	0.02	0 T	0.00		0.02
G -I	0.02	0 T	0.00		0.02
I -J	0.02	0 T	0.00		0.02
J -L	0.02	0 T	0.00		0.02
L -N	0.02	0 T	0.00		0.02
N -P	0.02	0 T	0.00		0.02
P -R	0.02	0 T	0.00		0.02
Gable Webs					
E -D	0.02	117 C			
G -F	0.03	143 C			
I -H	0.05	143 C			
J -B	0.06	104 C			
L -K	0.05	143 C			
N -M	0.03	144 C			
P -O	0.02	109 C			
Sliders					
A -Q	0.01	57 T			
R -C	0.00	10 T			

TL Defl 0.00" in E -G L/999
LL Defl 0.00" in E -G L/999
Shear // Grain in D -F 0.11

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Plate - HNGE 18 Ga, Gross Area

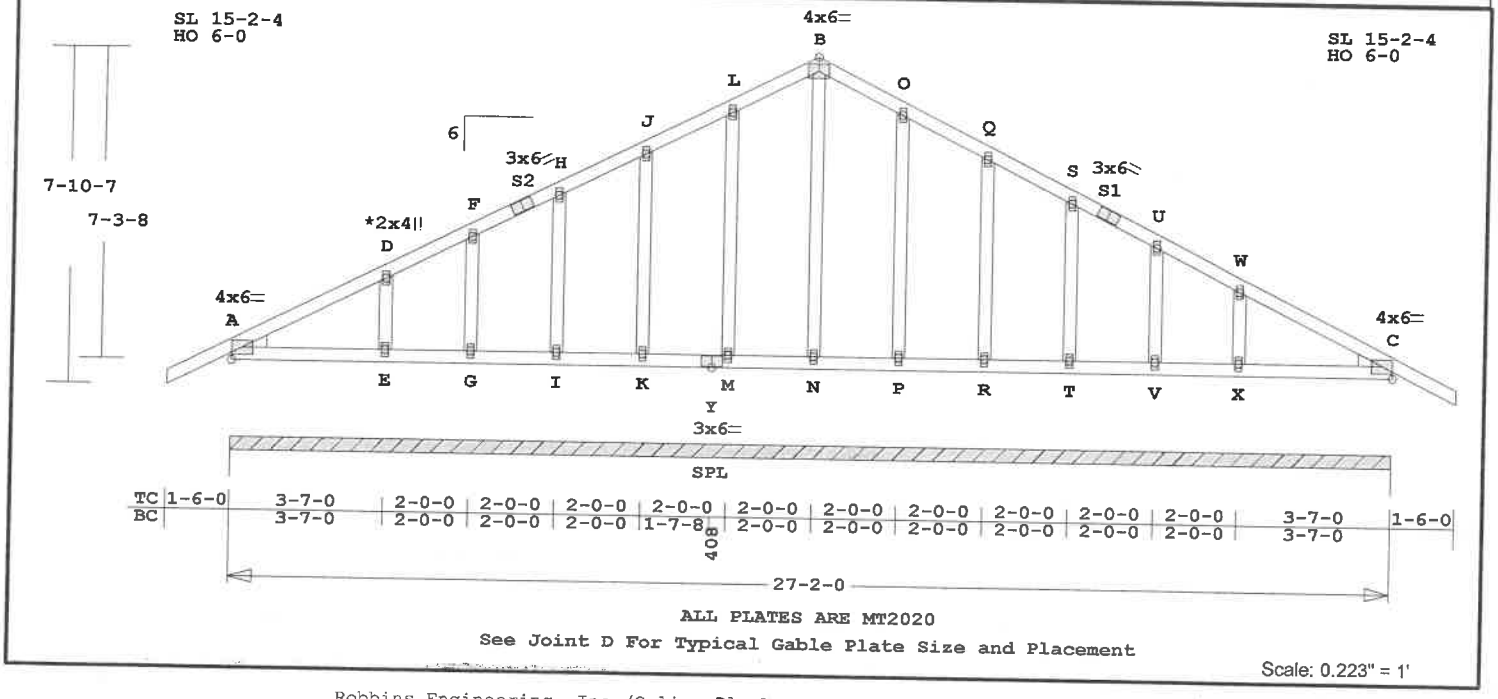
Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 6.0	1.5	0.5	0.62
D	MT20	2.0x 4.0	Ctr	Ctr	0.00
F	MT20	2.0x 4.0	Ctr	Ctr	0.00
H	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 6.0	Ctr	Ctr	0.35
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
O	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 6.0-1.5	0.5		0.62
Q	MT20	3.0x 4.0	Ctr	Ctr	0.08
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
J	MT20	2.0x 4.0	Ctr	Ctr	0.00
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	2.0x 4.0	Ctr	Ctr	0.00
P	MT20	2.0x 4.0	Ctr	Ctr	0.00
R	MT20	3.0x 4.0	Ctr	Ctr	0.08

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
AUTOMATED BLDG. COMPONENTS
Analysis Conforms To:
IBC/IRC2006
TPI 2002
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 90 mph
Mean Roof Height: 25-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 6.0 psf
BC Dead Load : 6.0 psf
Max comp. force 144 Lbs
Max tens. force 98 Lbs
Quality Control Factor 1.25
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
26412	T2G	2	TR	270200	6	1- 6- 0	1- 6- 0	

FREYTAG -ROOF



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.223" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 201.1 LBS

Online Plus -- Version 25.0.001
RUN DATE: 14-AUG-09

	CSI	-Size-	----Lumber----
TC	0.14	2x 4	SPF-#2
BC	0.10	2x 4	SPF-#2
--	0.08	2x 4	165OF1.5
	Y -C		
GW	0.10	2x 4	SPF-STUD
PB	---	2x 4	SPF-STUD

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	27- 2- 0
BC	Cont.	0- 0- 0	27- 2- 0

psf-Ld	Dead	Live
TC	10.0	25.0
BC	10.0	10.0
TC+BC	20.0	35.0
Total	55.0	Spacing 24.0"

Lumber Duration Factor 1.15
Plate Duration Factor 1.15
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	3210	365 U	130 R

Jt	Brg Size	Required
A	326.0"	0"-to- 326"

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -D	0.14	104 C	0.00	0.14
D -F	0.14	120 C	0.00	0.14
F -S2	0.03	121 C	0.00	0.03
S2-H	0.05	89 C	0.00	0.05
H -J	0.05	109 C	0.00	0.05
J -L	0.05	109 C	0.00	0.05
L -B	0.04	143 T	0.00	0.04
B -O	0.04	143 T	0.00	0.04
O -Q	0.05	109 C	0.00	0.05
Q -S	0.05	109 C	0.00	0.05
S -S1	0.05	89 C	0.00	0.05
S1-U	0.03	121 C	0.00	0.03
U -W	0.14	119 C	0.00	0.14
W -C	0.14	105 C	0.00	0.14
---------Bottom Chords---------				
A -E	0.10	0 T	0.00	0.10
E -G	0.10	0 T	0.00	0.10
G -I	0.03	0 T	0.00	0.03
I -K	0.03	0 T	0.00	0.03
K -Y	0.02	0 T	0.00	0.02
Y -M	0.01	0 T	0.00	0.01
M -N	0.02	0 T	0.00	0.02
N -P	0.02	0 T	0.00	0.02
P -R	0.02	0 T	0.00	0.02
R -T	0.02	0 T	0.00	0.02
T -V	0.02	0 T	0.00	0.02
V -X	0.08	0 T	0.00	0.08
X -C	0.08	0 T	0.00	0.08
----------Gable Webs----------				
E -D	0.05	223 C		
G -F	0.03	112 C		
I -H	0.05	144 C		
K -J	0.07	140 C		
M -L	0.10	141 C		
N -B	0.07	77 C		
P -O	0.10	141 C		
R -Q	0.07	140 C		
T -S	0.05	144 C		
V -U	0.03	112 C		
X -W	0.05	222 C		

TL Defl 0.00" in A -E L/999
LL Defl 0.00" in A -E L/999
Shear // Grain in A -D 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Plate - HNGE 18 Ga, Gross Area

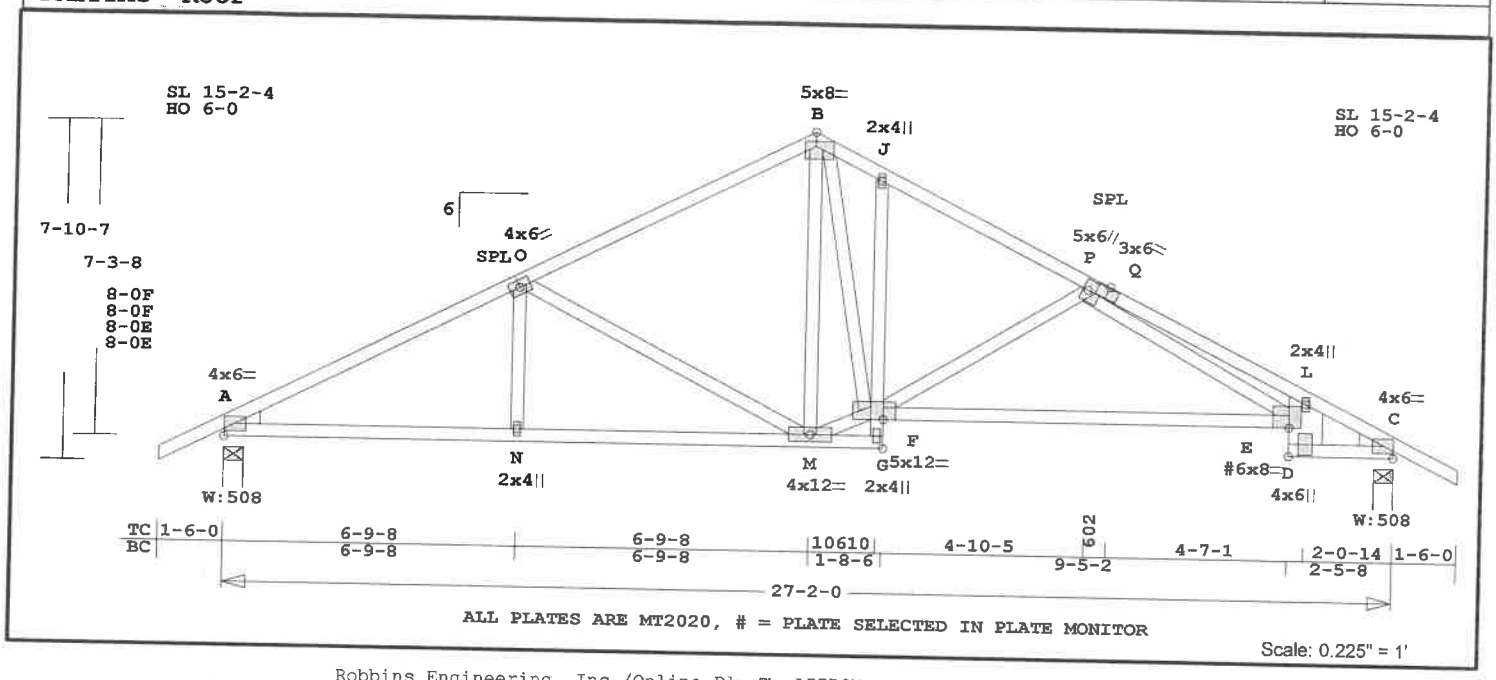
Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	1.6	0.7	0.57
D	MT20	2.0x 4.0	Ctr	Ctr	0.00
F	MT20	2.0x 4.0	Ctr	Ctr	0.00
S2	MT20	3.0x 6.0	Ctr	Ctr	0.38
H	MT20	2.0x 4.0	Ctr	Ctr	0.00
J	MT20	2.0x 4.0	Ctr	Ctr	0.00
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 6.0	Ctr	Ctr	0.37
O	MT20	2.0x 4.0	Ctr	Ctr	0.00
Q	MT20	2.0x 4.0	Ctr	Ctr	0.00
S	MT20	2.0x 4.0	Ctr	Ctr	0.00
S1	MT20	3.0x 6.0	Ctr	Ctr	0.39
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	4.0x 6.0	-1.6	0.7	0.57
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
Y	MT20	3.0x 6.0	Ctr	Ctr	0.39
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	2.0x 4.0	Ctr	Ctr	0.00
P	MT20	2.0x 4.0	Ctr	Ctr	0.00
R	MT20	2.0x 4.0	Ctr	Ctr	0.00
T	MT20	2.0x 4.0	Ctr	Ctr	0.00
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
X	MT20	2.0x 4.0	Ctr	Ctr	0.00

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
AUTOMATED BLDG. COMPONENTS
Analysis Conforms To:
IBC/IRC2006
TPI 2002
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 90 mph
Mean Roof Height: 25-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 6.0 psf
BC Dead Load : 6.0 psf
Max comp. force 223 Lbs
Max tens. force 143 Lbs
Quality Control Factor 1.25
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
26412	T2A	3	SB	270200	6	1- 6- 0	1- 6- 0	

FREYTAG -ROOF



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 202.2 LBS

Online Plus™ Version 25.0.001
RUN DATE: 14-AUG-09

	CSI	-Size-	----Lumber----
TC	0.88	2x 4	SPF-#2
--	0.80	2x 4	SPF-2100
	Q -C		
BC	0.76	2x 4	SPF-2100
--	0.61	2x 4	165OF1.5
	A -G		
--	0.72	2x 4	SPF-#2
	D -C		
CW	0.63	2x 4	SPF-#2
--	0.30	2x10	225OF1.9
	D -L		
WB	0.86	2x 4	SPF-STUD
--	0.80	2x 4	SPF-#2
	O -M	P -E	
PB	---	2x 4	SPF-STUD

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	27- 2- 0
BC	Cont.	0- 0- 0	27- 2- 0

psf-Ld	Dead	Live
TC	10.0	25.0
BC	10.0	10.0
TC+BC	20.0	35.0
Total	55.0	Spacing 24.0"

Lumber Duration Factor 1.15
Plate Duration Factor 1.15
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1605	182 U	130 R
C	1605	182 U	130 R

Jt	Brg Size	Required
A	5.5"	2.5"
C	5.5"	2.5"

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -O	0.62	2442 C	0.06 0.56
O -B	0.60	1664 C	0.04 0.56
B -J	0.17	2031 C	0.04 0.13
J -P	0.63	2093 C	0.05 0.58
P -Q	0.88	4864 C	0.30 0.58
Q -L	0.80	4944 C	0.22 0.58
L -C	0.43	2349 C	0.03 0.40
Bottom Chords			
A -N	0.61	2183 T	0.32 0.29
N -M	0.61	2183 T	0.32 0.29
M -G	0.29	365 C	0.00 0.29
F -E	0.76	2486 T	0.23 0.53
D -C	0.72	1982 T	0.44 0.28
Chord-Webs			
G -F	0.63	70 C	0.00 0.63
F -J	0.32	121 C	0.00 0.32
D -E	0.28	43 C	0.00 0.28
E -L	0.30	1077 C	0.00 0.30
Webs			
N -O	0.10	261 T	
O -M	0.80	789 C	
M -B	0.15	152 C	
M -F	0.86	2018 T	
B -F	0.65	1521 T	
F -P	0.55	752 C	
P -E	0.56	2311 T	

TL Defl -0.84" in F -L L/376
LL Defl -0.46" in F -L L/688
Shear // Grain in D -L 0.98

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Plate - HNGE 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	1.6	0.7	0.80
O	MT20	4.0x 6.0	Ctr	Ctr	0.58
B	MT20	5.0x 8.0	1.0-1.1		0.79
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
P	MT20	5.0x 6.0	0.9-0.5		0.95
Q	MT20	3.0x 6.0	Ctr	Ctr	0.80
L	MT20	2.0x 4.0	Ctr	Ctr	0.59
C	MT20	4.0x 6.0-1.6	0.7		0.77
N	MT20	2.0x 4.0	Ctr	Ctr	0.33
M	MT20	4.0x12.0	Ctr	Ctr	0.90
G	MT20	2.0x 4.0	Ctr	Ctr	0.58
F	MT20	5.0x12.0	Ctr	0.1	0.90
E#	MT20	6.0x 8.0-0.6-0.4			0.89
D	MT20	4.0x 6.0	Ctr	Ctr	0.77

= Plate Monitor used
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

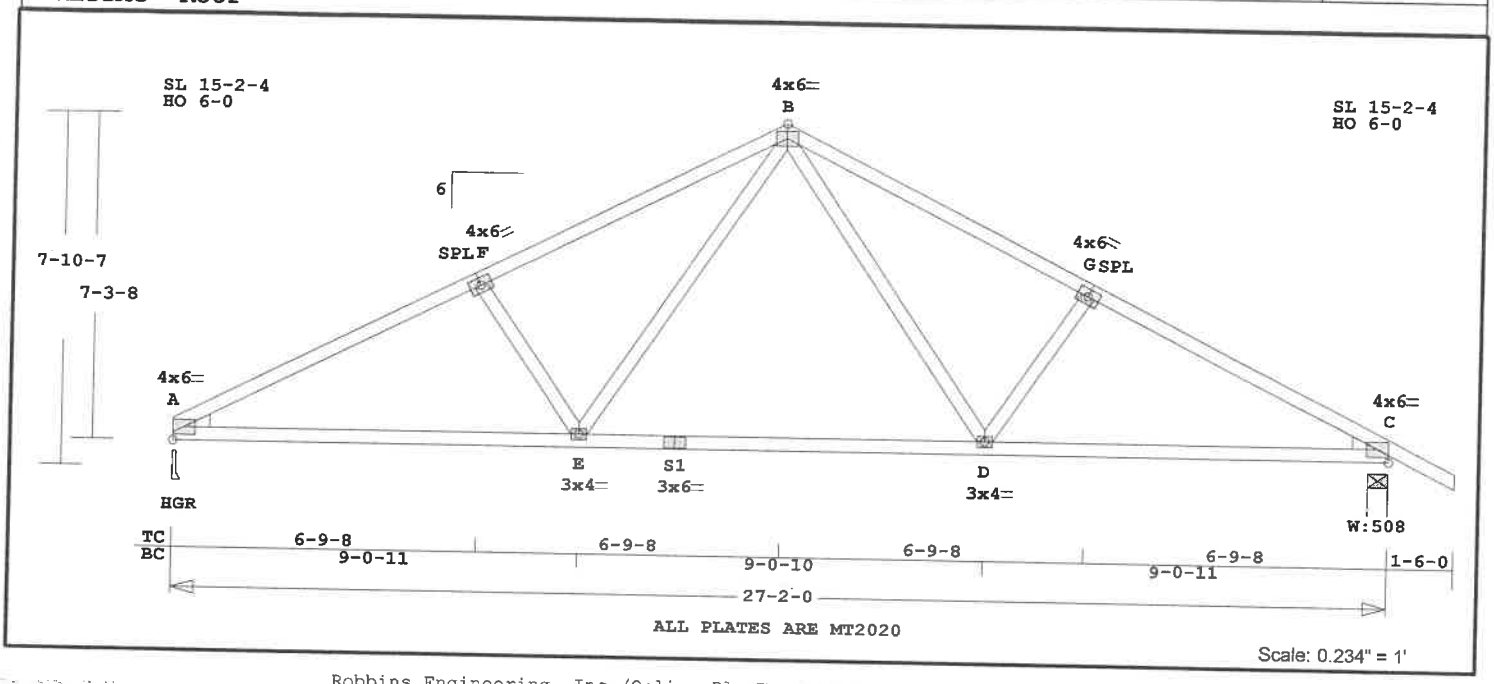
NOTES:
Trusses Manufactured by:
AUTOMATED BLDG. COMPONENTS
Analysis Conforms To:
IBC/IRC2006
TPI 2002
OH Loading
Soffit psf 2.0

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor...

Wind Loads - ANSI / ASCE 7-05
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 90 mph
Mean Roof Height: 25-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 6.0 psf
BC Dead Load : 6.0 psf
Max comp. force 4944 Lbs
Max tens. force 2486 Lbs
Quality Control Factor 1.25
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
26412	T2C	4	TR	270200	6	0	1- 6- 0	

FREYTAG -ROOF



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 160.2 LBS

Online Plus -- Version 25.0.001
RUN DATE: 14-AUG-09

	CSI	-Size-	----Lumber----
TC	0.69	2x 4	SPF-#2
BC	0.98	2x 4	165OF1.5
--	0.75	2x 4	SPF-2100
	S1-C		
WB	0.23	2x 4	SPF-#2
--	0.17	2x 4	SPF-STUD
	F -E	D -G	
PB	---	2x 4	SPF-STUD

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	27- 2- 0
BC	Cont.	0- 0- 0	27- 2- 0

psf-Ld	Dead	Live
TC	10.0	25.0
BC	10.0	10.0
TC+BC	20.0	35.0
Total	55.0	Spacing 24.0"

Lumber Duration Factor 1.15
Plate Duration Factor 1.15
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1573	162 U	130 R
C	1684	182 U	130 R

Jt	Brg Size	Required
A	3.5"	2.5"
C	5.5"	2.1"

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -F	0.62	2585 C	0.07 0.55
F -B	0.69	2325 C	0.14 0.55
B -G	0.69	2329 C	0.14 0.55
G -C	0.62	2588 C	0.07 0.55
--------Bottom Chords---------			
A -E	0.98	2310 T	0.34 0.64
E -S1	0.86	1538 T	0.22 0.64
S1-D	0.67	1538 T	0.14 0.53
D -C	0.75	2312 T	0.22 0.53
------------Webs------------			
F -E	0.17	422 C	
E -B	0.23	964 T	
B -D	0.23	969 T	
D -G	0.17	421 C	

TL Defl -0.56" in E -D L/568
LL Defl -0.37" in E -D L/860
Shear // Grain in E -S1 0.47

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Plate - HNGE 18 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	1.6	0.7	0.84
F	MT20	4.0x 6.0	Ctr	Ctr	0.58
B	MT20	4.0x 6.0	Ctr	Ctr	0.68
G	MT20	4.0x 6.0	Ctr	Ctr	0.58
C	MT20	4.0x 6.0	-1.6	0.7	0.85
E	MT20	3.0x 4.0	Ctr	Ctr	0.85
S1	MT20	3.0x 6.0	Ctr	Ctr	0.72
D	MT20	3.0x 4.0	Ctr	Ctr	0.86

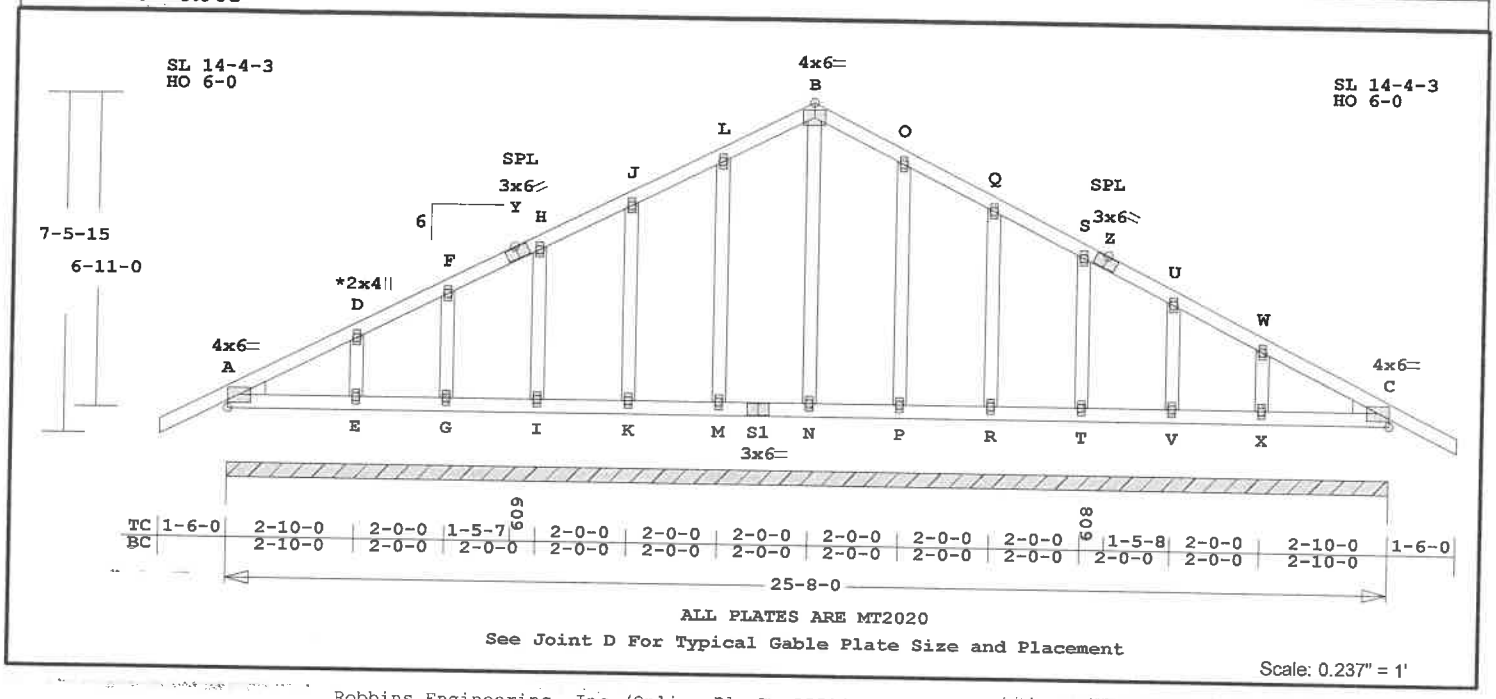
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
AUTOMATED BLDG. COMPONENTS
Analysis Conforms To:
IBC/IRC2006
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 90 mph
Mean Roof Height: 25-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 6.0 psf
BC Dead Load : 6.0 psf
Max comp. force 2588 Lbs
Max tens. force 2312 Lbs
Quality Control Factor 1.25

This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
26412	T3G	1	TR	250800	6	1- 6- 0	1- 6- 0	

FREYTAG -ROOF



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.237" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 187.3 LBS

Online Plus -- Version 25.0.001
RUN DATE: 14-AUG-09

	CSI	-Size-	----Lumber----
TC	0.09	2x 4	SPF-#2
BC	0.06	2x 4	SPF-#2
--	0.05	2x 4	165OF1.5 S1-C
GW	0.09	2x 4	SPF-STUD
PB	---	2x 4	SPF-STUD

Brace truss as follows:--

	O.C.	From	To
TC	Cont.	0- 0- 0	25- 8- 0
BC	Cont.	0- 0- 0	25- 8- 0

psf-Ld	Dead	Live
TC	10.0	25.0
BC	10.0	10.0
TC+BC	20.0	35.0
Total	55.0	Spacing 24.0"

Lumber Duration Factor 1.15
Plate Duration Factor 1.15
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	3045	347 U	121 R

Jt	Brg Size	Required
A	308.0"	0"-to- 308"

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -D	0.09	83 C	0.00	0.09
D -F	0.09	71 C	0.00	0.09
F -Y	0.04	74 C	0.00	0.04
Y -H	0.05	47 C	0.00	0.05
H -J	0.05	67 C	0.00	0.05
J -L	0.05	87 T	0.00	0.05
L -B	0.05	125 T	0.00	0.05
B -O	0.05	125 T	0.00	0.05
O -Q	0.05	87 T	0.00	0.05
Q -S	0.05	67 C	0.00	0.05
S -Z	0.05	48 C	0.00	0.05
Z -U	0.04	74 C	0.00	0.04
U -W	0.08	71 C	0.00	0.08
W -C	0.08	83 C	0.00	0.08
--------Bottom Chords---------				
A -E	0.06	1 T	0.00	0.06
E -G	0.06	0 T	0.00	0.06
G -I	0.03	0 T	0.00	0.03
I -K	0.03	0 T	0.00	0.03
K -M	0.03	0 T	0.00	0.03
M -S1	0.02	0 T	0.00	0.02
S1-N	0.01	0 T	0.00	0.01
N -P	0.02	0 T	0.00	0.02
P -R	0.02	0 T	0.00	0.02
R -T	0.02	0 T	0.00	0.02
T -V	0.02	0 T	0.00	0.02
V -X	0.05	0 T	0.00	0.05
X -C	0.05	1 T	0.00	0.05
----------Gable Webs----------				
E -D	0.04	181 C		
G -F	0.03	128 C		
I -H	0.04	141 C		
K -J	0.06	140 C		
M -L	0.09	142 C		
N -B	0.06	73 C		
P -O	0.09	142 C		
R -Q	0.06	140 C		
T -S	0.04	141 C		
V -U	0.03	128 C		
X -W	0.04	180 C		

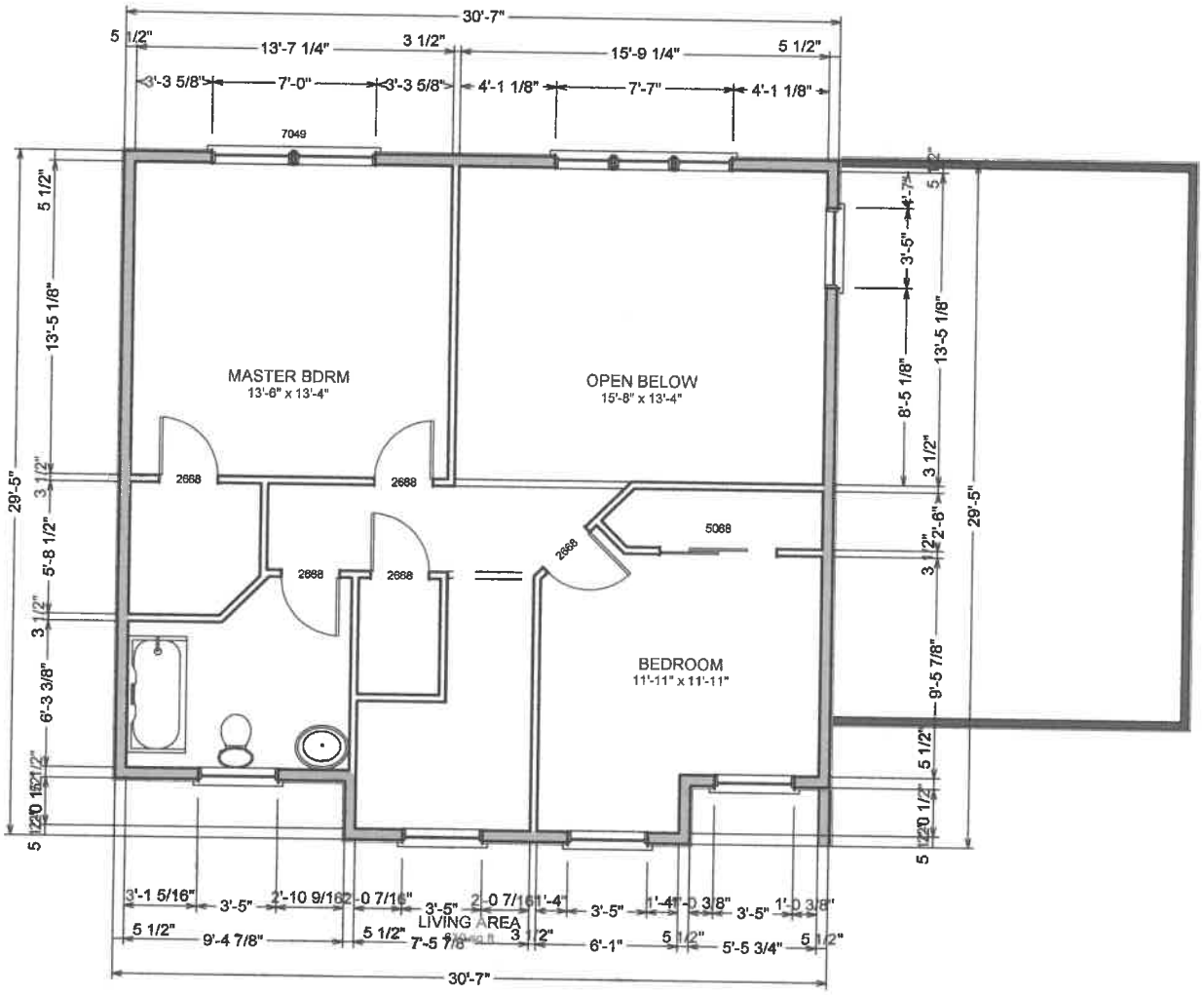
TL Defl 0.00" in A -E L/999
LL Defl 0.00" in A -E L/999
Shear // Grain in A -D 0.16

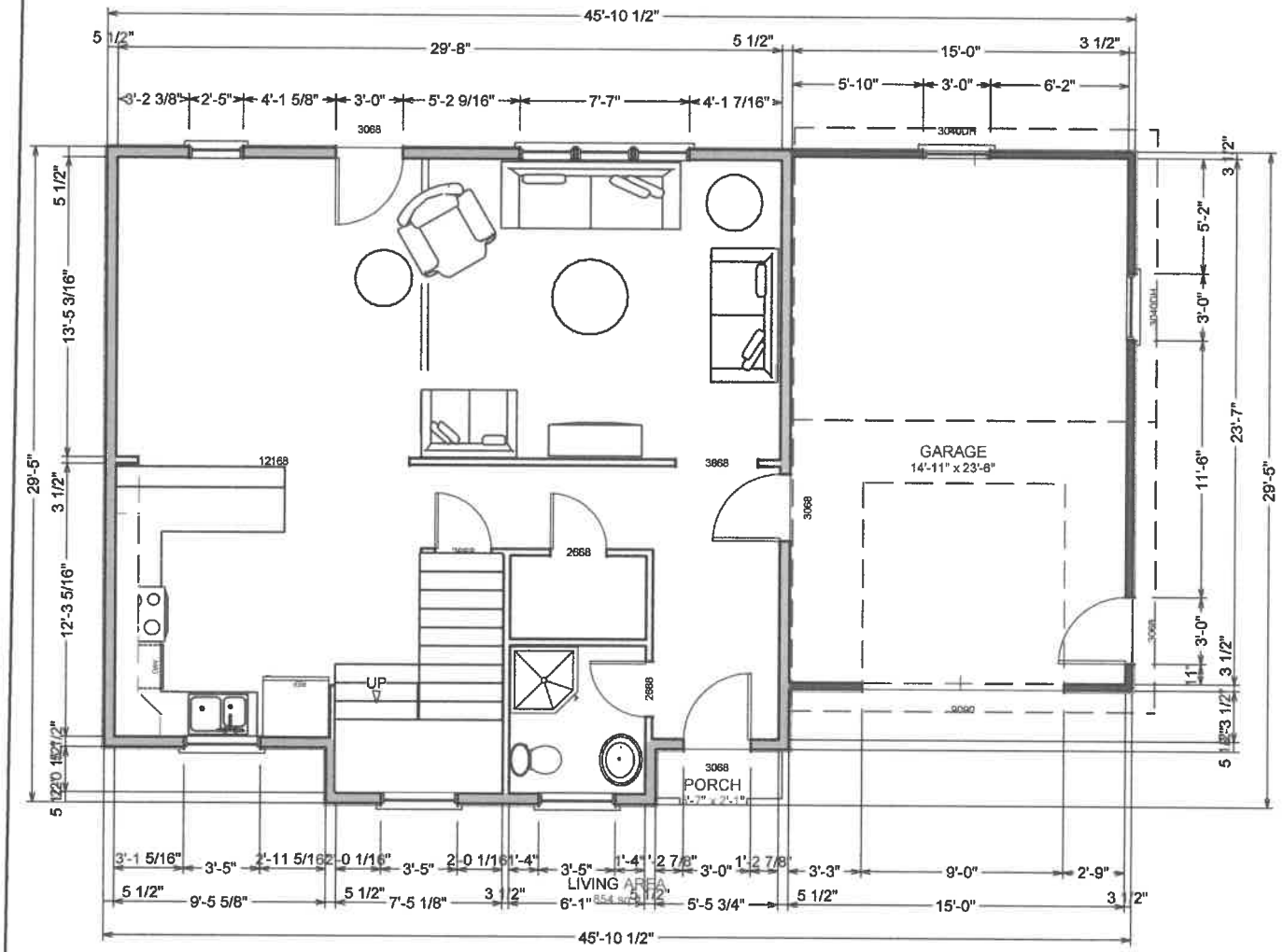
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Plate - HNGE 18 Ga, Gross Area

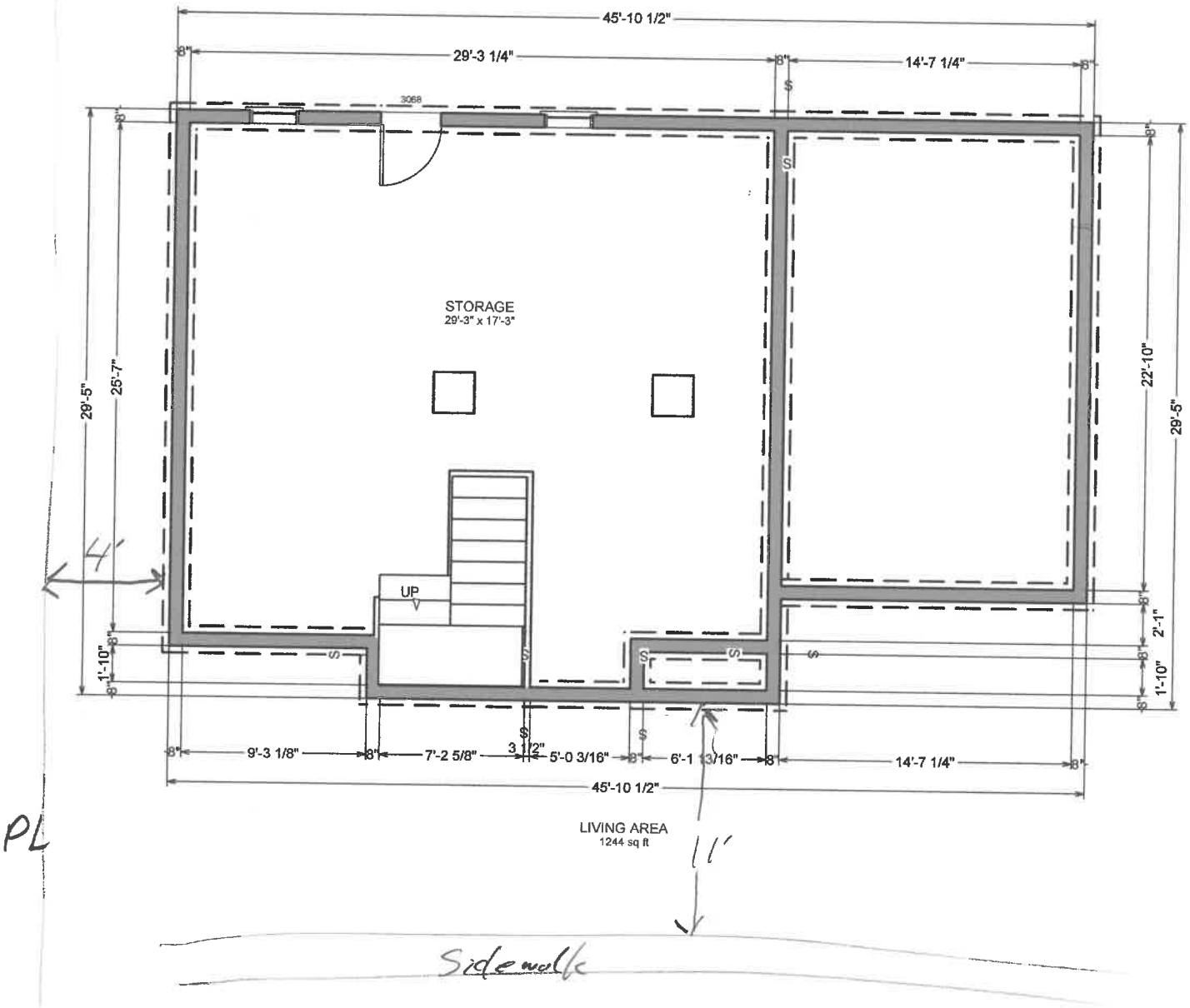
Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	1.6	0.7	0.57
D	MT20	2.0x 4.0	Ctr	Ctr	0.00
F	MT20	2.0x 4.0	Ctr	Ctr	0.00
Y	MT20	3.0x 6.0	Ctr	Ctr	0.38
H	MT20	2.0x 4.0	Ctr	Ctr	0.00
J	MT20	2.0x 4.0	Ctr	Ctr	0.00
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 6.0	Ctr	Ctr	0.37
O	MT20	2.0x 4.0	Ctr	Ctr	0.00
Q	MT20	2.0x 4.0	Ctr	Ctr	0.00
S	MT20	2.0x 4.0	Ctr	Ctr	0.00
Z	MT20	3.0x 6.0	Ctr	Ctr	0.39
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	4.0x 6.0-1.6	0.7		0.57
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
S1	MT20	3.0x 6.0	Ctr	Ctr	0.39
N	MT20	2.0x 4.0	Ctr	Ctr	0.00
P	MT20	2.0x 4.0	Ctr	Ctr	0.00
R	MT20	2.0x 4.0	Ctr	Ctr	0.00
T	MT20	2.0x 4.0	Ctr	Ctr	0.00
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
X	MT20	2.0x 4.0	Ctr	Ctr	0.00

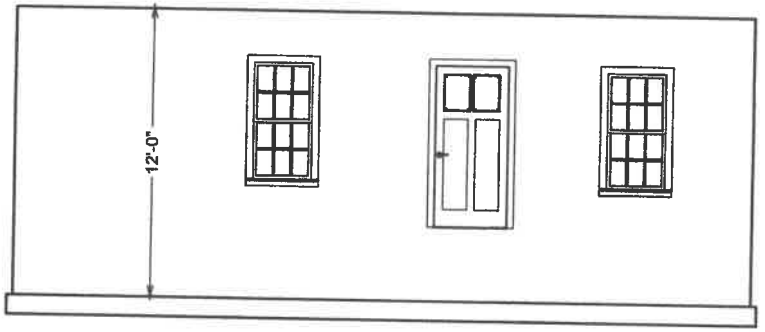
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
AUTOMATED BLDG. COMPONENTS
Analysis Conforms To:
IBC/IRC2006
TPI 2002
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 90 mph
Mean Roof Height: 25-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 6.0 psf
BC Dead Load : 6.0 psf
Max comp. force 181 Lbs
Max tens. force 125 Lbs
Quality Control Factor 1.25
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

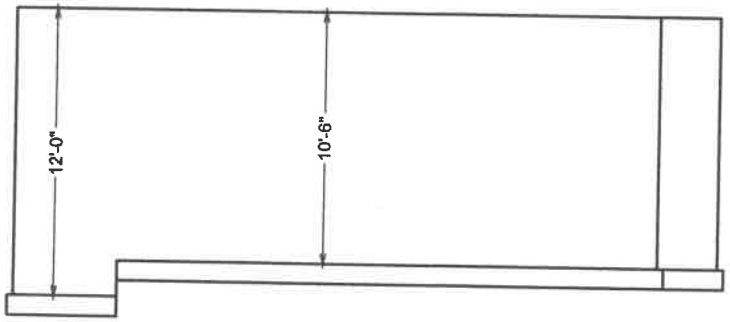

30'-7"
5 1/2"
13'-7 1/4"
3 1/2"
15'-9 1/4"
5 1/2"
3'-3 5/8"
7'-0"
3'-3 5/8"
4'-1 1/8"
7'-7"
4'-1 1/8"
7049
MASTER BDRM
13'-6" x 13'-4"
OPEN BELOW
15'-8" x 13'-4"
2668
2688
2688
2688
2688
5088
BEDROOM
11'-11" x 11'-11"
29'-5"
5 1/2"
13'-5 1/8"
3 1/2"
5'-8 1/2"
3 1/2"
6'-3 3/8"
5 1/2"
5 1/2"
4'-7"
3'-5"
8'-5 1/8"
13'-5 1/8"
3 1/2"
2'-6"
3 1/2"
9'-5 7/8"
5 1/2"
5 1/2"
29'-5"
3'-1 5/16"
3'-5"
2'-10 9/16"
0 7/16"
3'-5"
2'-0 7/16"
1'-4"
3'-5"
1'-4"
0 3/8"
3'-5"
1'-0 3/8"
LIVING AREA
5 1/2"
9'-4 7/8"
5 1/2"
7'-5 7/8"
3 1/2"
6'-1"
5 1/2"
5'-5 3/4"
5 1/2"
30'-7"


45'-10 1/2"
5 1/2"
29'-8"
5 1/2"
15'-0"
3 1/2"
3'-2 3/8"
2'-5"
4'-1 5/8"
3'-0"
5'-2 9/16"
7'-7"
4'-1 7/16"
5'-10"
3'-0"
6'-2"
3068
30400R
5 1/2"
13'-5 3/16"
3 1/2"
12'-3 5/16"
29'-5"
12168
3668
3068
2668
2888
GARAGE
14'-11" x 23'-8"
UP
3068
PORCH
5'-2"
3'-0"
11'-6"
23'-7"
29'-5"
3'-0"
3 1/2"
3 1/2"
3'-1 5/16"
3'-5"
2'-11 5/16"
2'-0 1/16"
3'-5"
2'-0 1/16"
1'-4"
3'-5"
1'-4"
2 7/8"
3'-0"
1'-2 7/8"
3'-3"
9'-0"
2'-9"
LIVING AREA
5 1/2"
9'-5 5/8"
5 1/2"
7'-5 1/8"
3 1/2"
6'-1"
5 1/2"
5'-5 3/4"
5 1/2"
15'-0"
3 1/2"
45'-10 1/2"

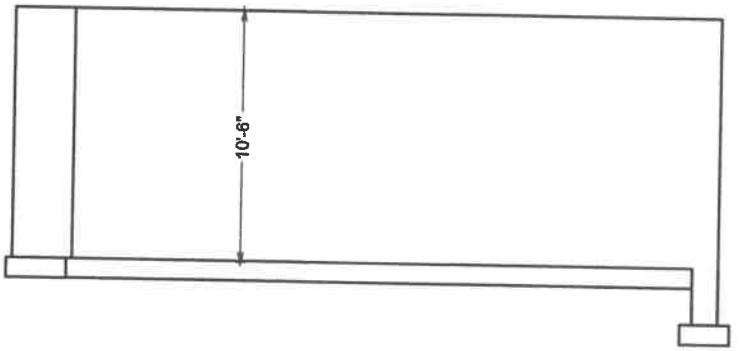

45'-10 1/2"
29'-3 1/4"
14'-7 1/4"
3068
STORAGE
29'-3" x 17'-3"
UP
29'-5"
25'-7"
22'-10"
29'-5"
2'-1"
1'-10"
1'-10"
4'
9'-3 1/8"
7'-2 5/8"
3 1/2"
5'-0 3/16"
6'-1 13/16"
14'-7 1/4"
45'-10 1/2"
LIVING AREA
1244 sq ft
11'
Sidewalk
PL



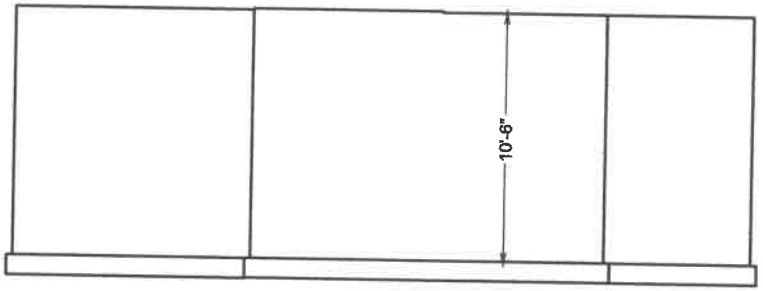
1/8" Scale
North Wall



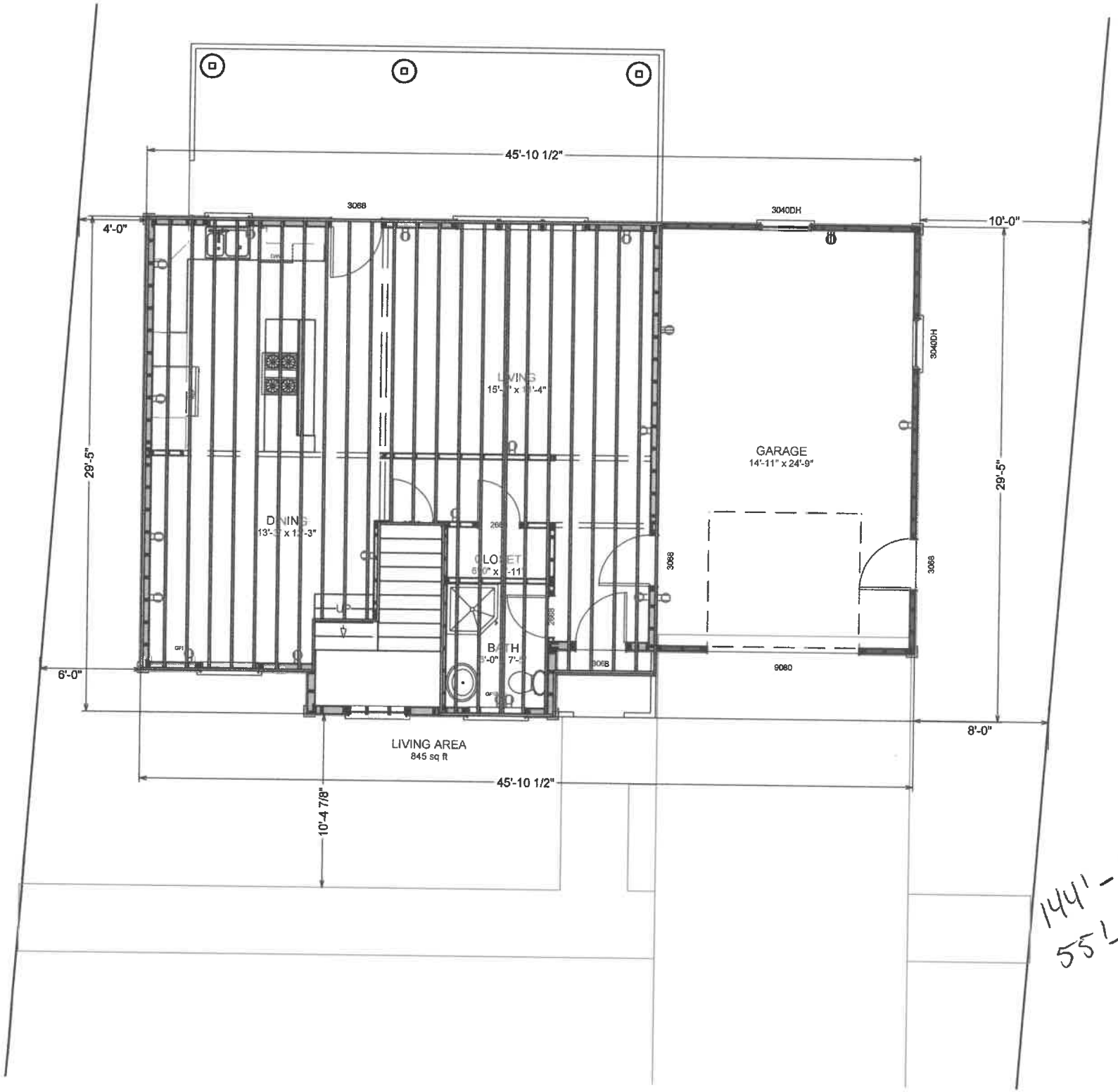
1/8" Scale
West Wall



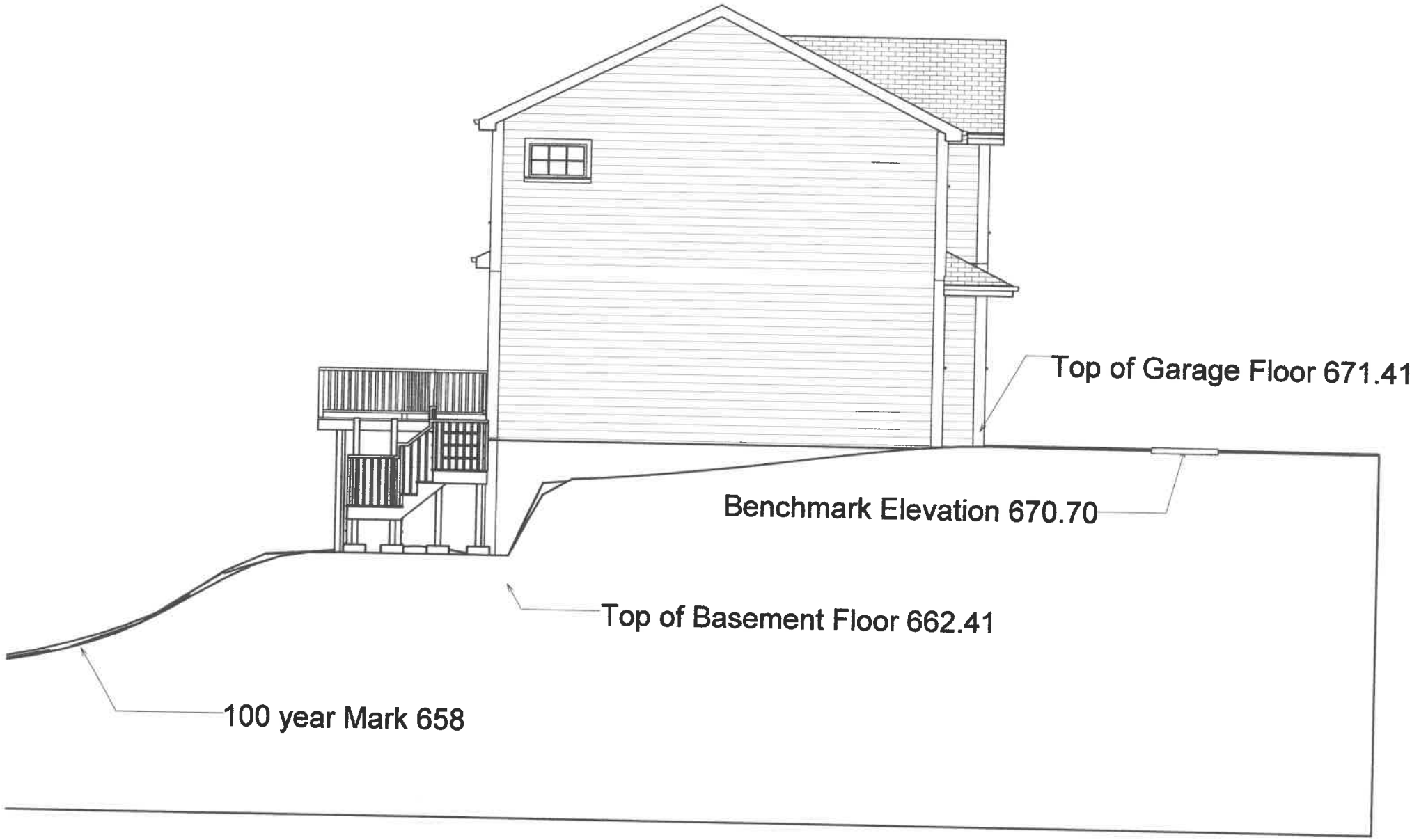
1/8" Scale
East Wall

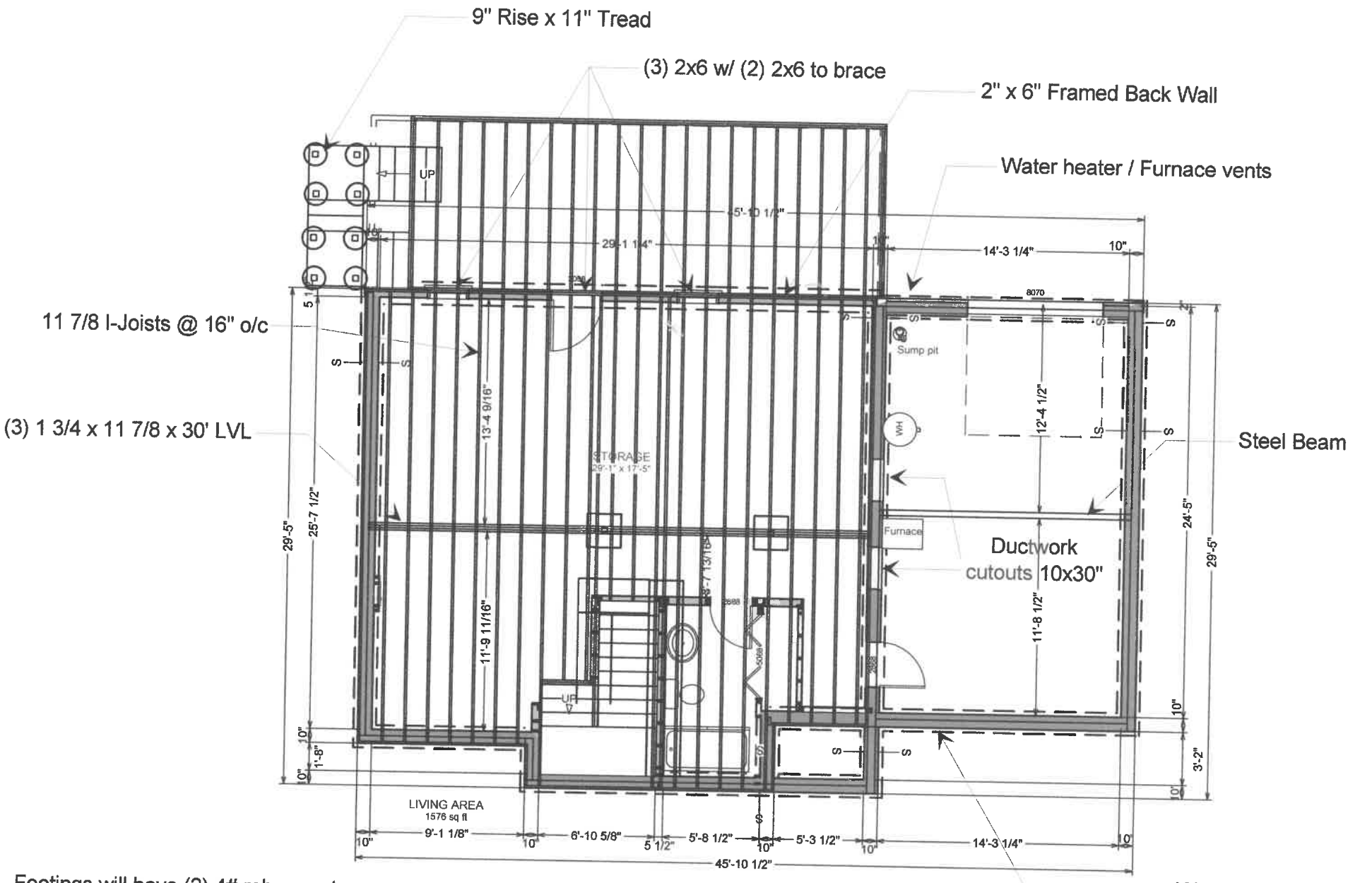


1/8" Scale
South Wall

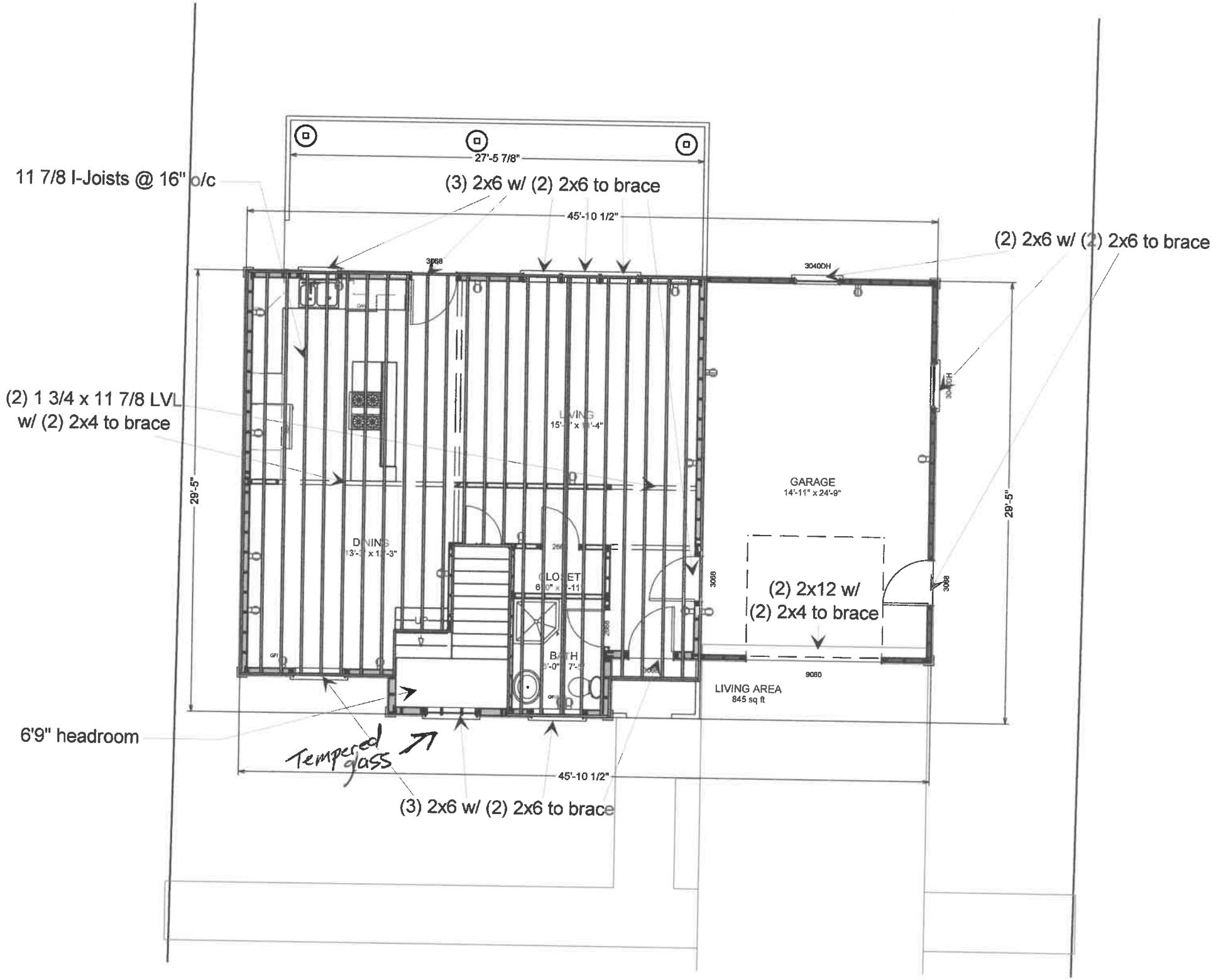


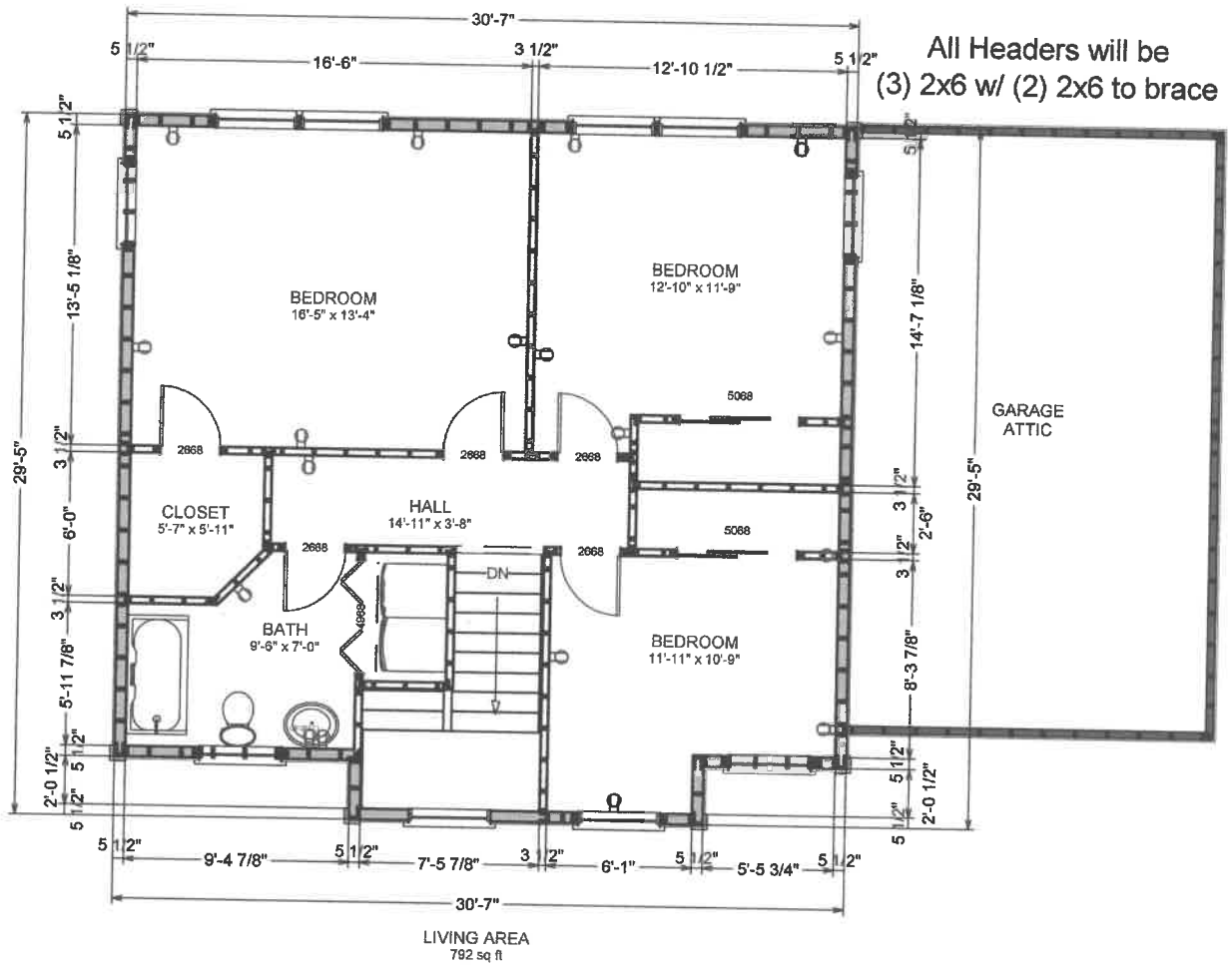
144'-20"x10" footings
55'-3'x12" frost footings
north wall


Top of Garage Floor 671.41
Benchmark Elevation 670.70
Top of Basement Floor 662.41
100 year Mark 658

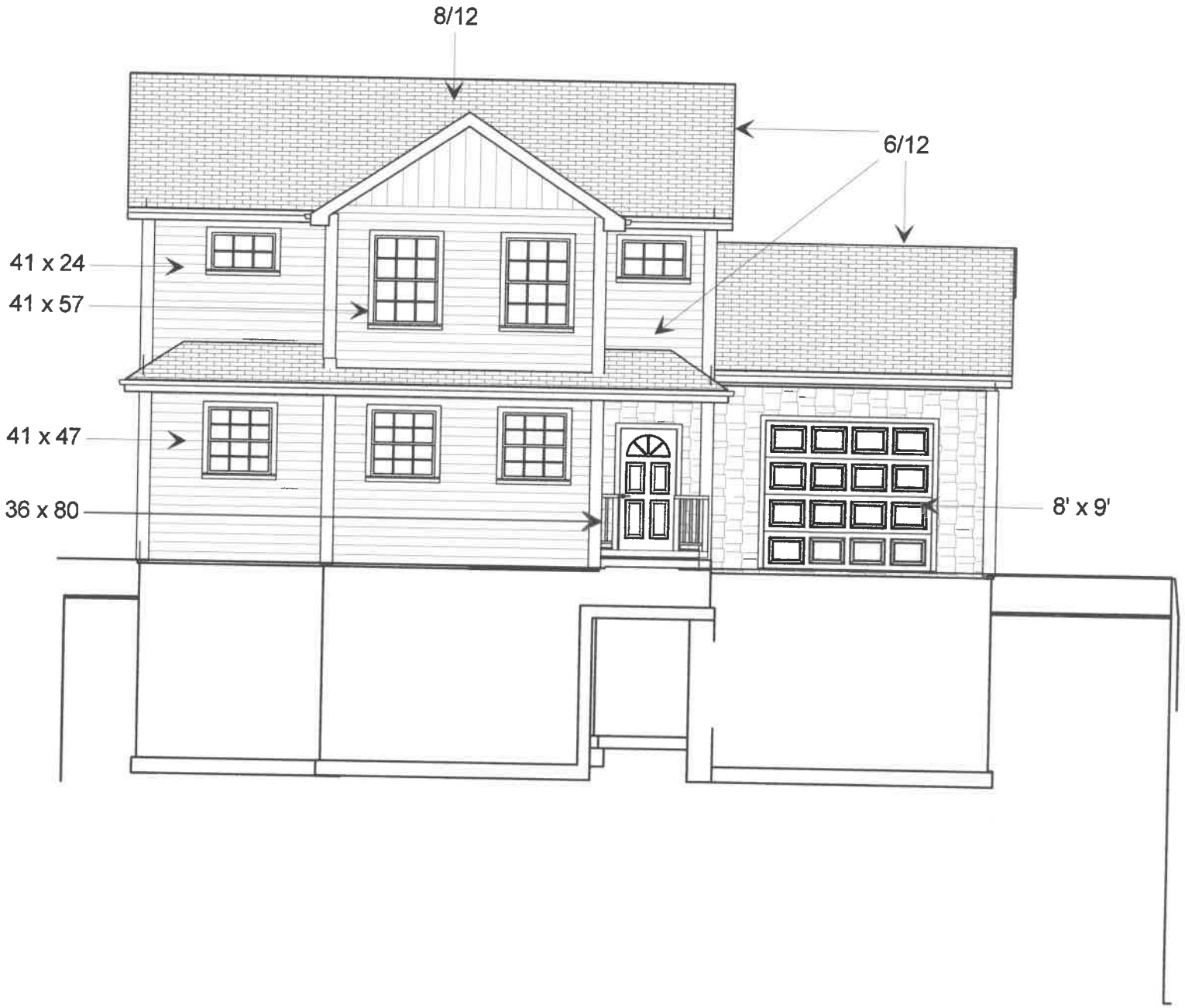


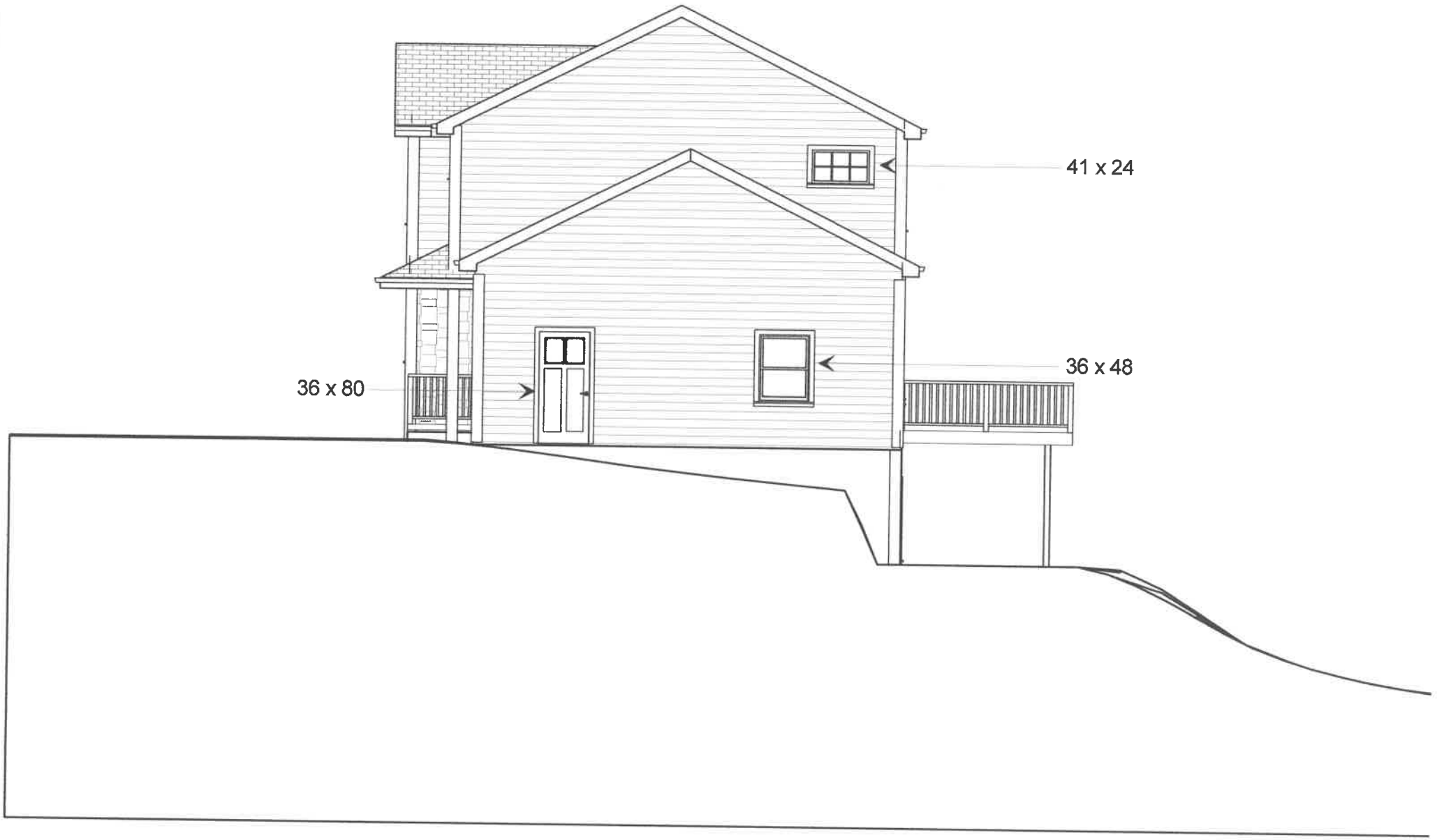
Footings will have (2) 4# rebar cont.
Poured walls will be 10" x 9' w/ 4# rebar, 18" o/c both ways.
Garage floor will have steel decking w/ 4# rebar @ 9" o/c both ways.
Basement floor will have 6-mill vapor barrier w/ 6" x 6" wire mesh road mat reinforcing.
Foundation wall will have 1/2" anchor bolts at 4" o/c.


11 7/8 I-Joists @ 16" o/c
27'-5 7/8"
(3) 2x6 w/ (2) 2x6 to brace
45'-10 1/2"
(2) 2x6 w/ (2) 2x6 to brace
(2) 1 3/4 x 11 7/8 LVL
w/ (2) 2x4 to brace
29'-5"
LIVING
15'-1" x 11'-4"
GARAGE
14'-11" x 24'-9"
DINING
13'-3" x 11'-3"
CLOSET
6'-0" x 2'-11"
BATH
5'-0" x 7'-4"
(2) 2x12 w/
(2) 2x4 to brace
LIVING AREA
845 sq ft
6'9" headroom
Tempered glass
45'-10 1/2"
(3) 2x6 w/ (2) 2x6 to brace



LIVING AREA
792 sq ft


8/12
6/12
41 x 24
41 x 57
41 x 47
36 x 80
8' x 9'


41 x 24
36 x 48
36 x 80


41 x 57
29 x 57
36 x 48
7' x 8'
36 x 80