



HEALTH

Howard County Maryland
 Department of Inspections, Licenses and Permits
 3430 Court House Drive
 Permits: 410-313-2455
 www.howardcountymd.gov

Date Received: _____
 Permit No.: **B20000247**

Building Address: 14813 Burntwoods Rd
 City: Glenwood State: MD Zip Code: 21738-9604
 Suite/Apt. # N/A SDP/WP/BA #:
 Subdivision: Warfield Estates
 Lot: 39 Tax Map: Parcel:

Existing Use: Residence SFD
 Proposed Use: Master Bathroom
 Estimated Construction Cost: \$ 50,000

Description of Work: Build Master Bathroom over garage (existing), 14x24. Demo existing MB, turn it into closet, 1 BR, 1 Story second floor, O-BR, 1-FBI, O-HB, O-DT, O-AG, O-FP, O-P, O-D,

Occupant/Tenant Name: Electric HP, O-TB, O-FP, 14x24, TSP 336 SF
 Was tenant space previously occupied? Yes No

Contact Name: **PRESCRIPTIVE METHOD**
 Address:
 City: GSF 336 State: Zip Code:
 Phone: OGSF 336 Fax:
 Email:

Property Owner's Name: ALAN L. Knowton
 Address: 14813 Burntwoods Rd
 City: Glenwood State: MD Zip Code: 21738
 Phone: 301 973-2583 Fax:
 Email:

Applicant's Name & Mailing Address (If other than stated herein)
 Applicant's Name: Robert A Delph
 Address: 2357 Gillis Rd
 City: Mt. Airy State: MD Zip Code: 21771
 Phone: 443-340-7225 Fax:
 Email: robertdelph64@gmail.com

Contractor Company: BD Contractors LLC
 Contact Person: Bob Delph
 Address: 2357 Gillis Rd
 City: Mt. Airy State: MD Zip Code: 21771
 License No.: 84904
 Phone: 443-340-7225 Fax:
 Email: robertdelph64@gmail.com

Engineer/Architect Company:
 Responsible Design Prof.:
 Address:
 City: State: Zip Code:
 Phone: Fax:
 Email:

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 st floor: <u>2392</u>	
Area of construction (sq. ft.):	2 nd floor: <u>1120</u>	
Use group:	Basement: <u>1120</u>	
	<input checked="" type="checkbox"/> Finished Basement	
	<input type="checkbox"/> Unfinished Basement	
	<input checked="" type="checkbox"/> Crawl Space	
	<input type="checkbox"/> Slab on Grade	
Construction type:	No. of Bedrooms: <u>4</u>	
<input type="checkbox"/> Reinforced Concrete	Multi-family Dwelling	
<input type="checkbox"/> Structural Steel	No. of efficiency units:	
<input type="checkbox"/> Masonry	No. of 1 BR units:	
<input type="checkbox"/> Wood Frame	No. of 2 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:	
Roadside Tree Project Permit #:	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
Electric:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input checked="" type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input checked="" type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Grading Permit Number:	
Building Shell Permit Number:	

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.

Robert A Delph
 Applicant's Signature
robertdelph64@gmail.com
 Email Address

Robert Delph
 Print Name
Jan 23, 2020
 Date

RECEIVED
 JAN 23 2020

Title/Company

LICENSES & PERMITS DIVISION

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
<input checked="" type="checkbox"/> Building Officials		
<input checked="" type="checkbox"/> PSZA (Zoning)		
<input checked="" type="checkbox"/> PSZA (Engineering)		
<input checked="" type="checkbox"/> Health	<u>8/27/2020</u>	<u>Robert Delph</u>

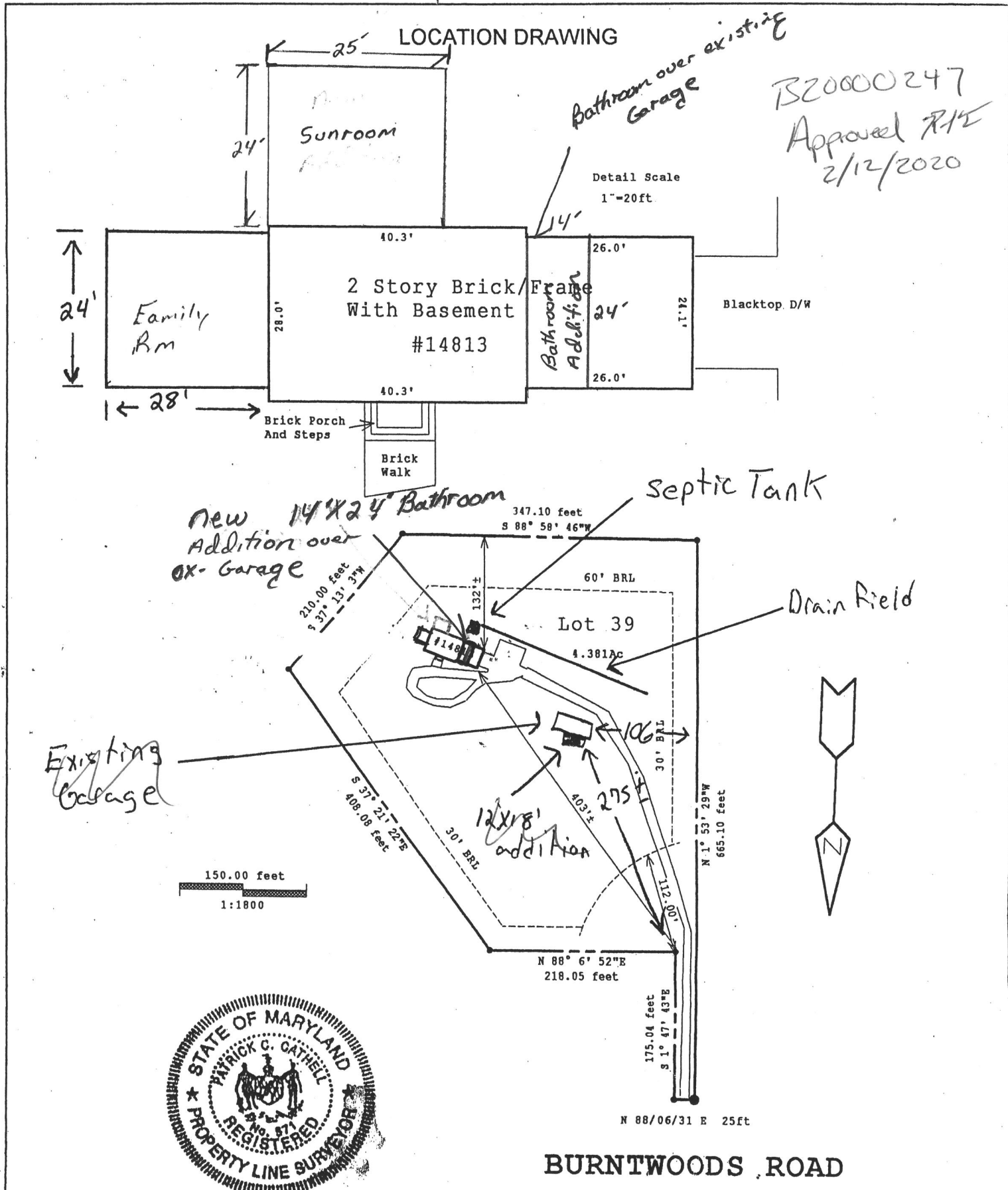
Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	\$ <u>25.00</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	# <u>1065</u>

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

Handwritten initials

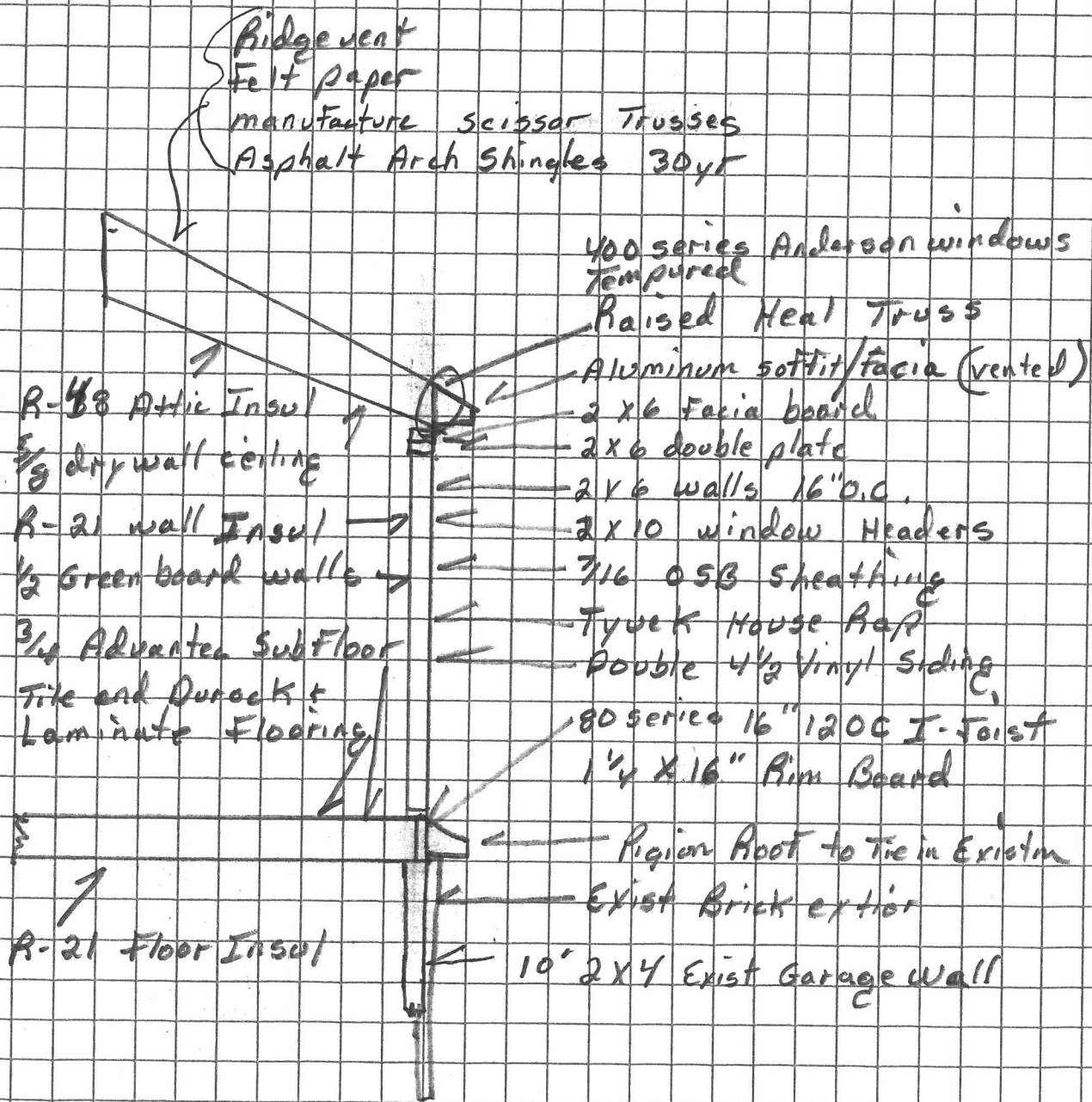


Note: Location survey measurements are +/-5'
 SUBJECT PROPERTY NOT LOCATED IN A FLOOD PLAIN AREA UNLESS OTHERWISE NOTED.
 This plat is of benefit to a consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or re-financing.
 This plat is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements.
 This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or securing financing or refinancing.

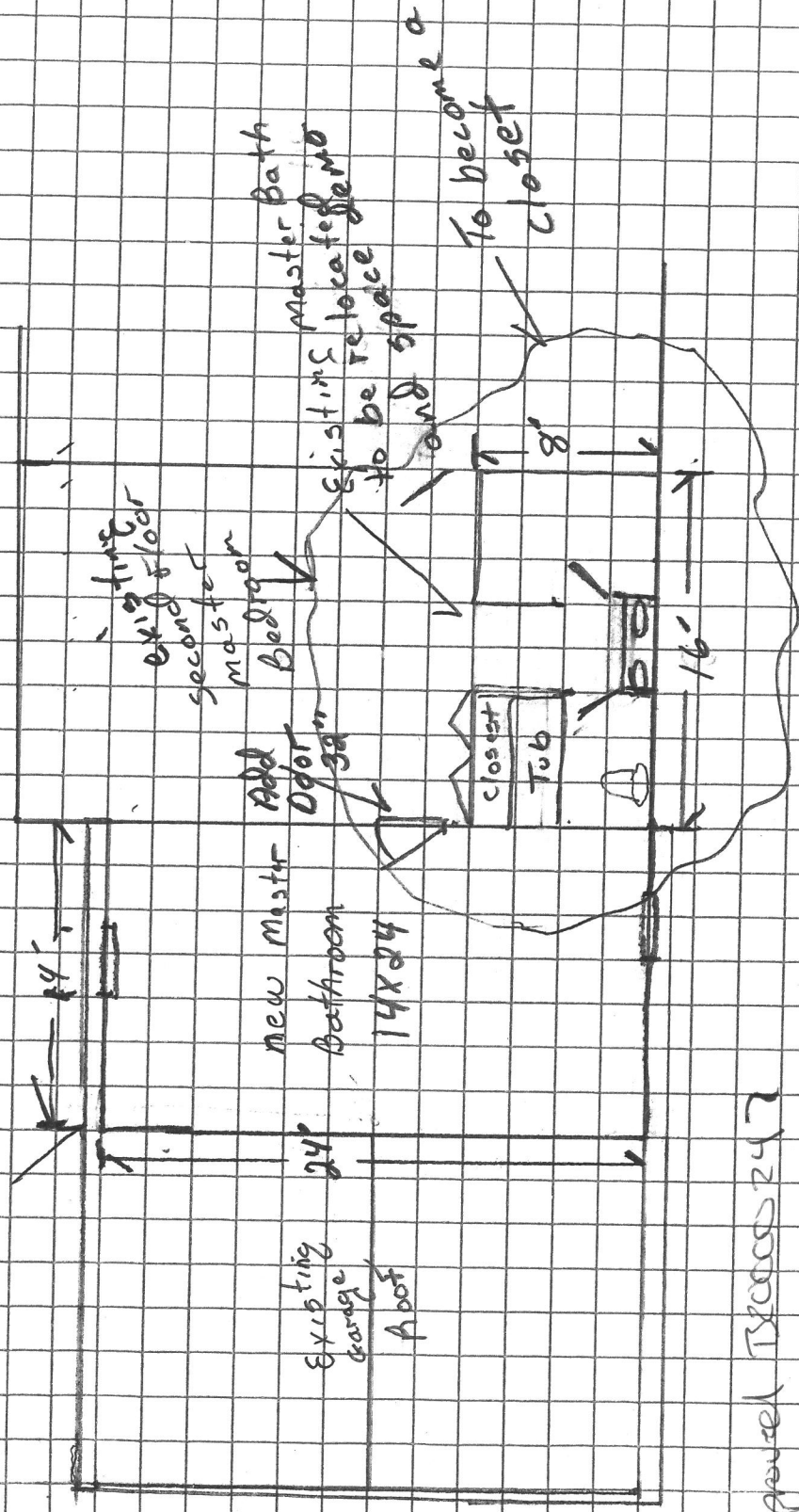
THIS IS TO CERTIFY THAT WE HAVE CONDUCTED A LOCATION SURVEY OF THE IMPROVEMENTS AND THAT THEY ARE LOCATED AS SHOWN HEREON.
 Signature: *Patrick C. Cathell*
 Reg. No. 571

CLS And Associates P.O. Box 190 Lisbon, MD 21765 Office: (410) 442-5117 Fax: (410) 442-5175	Date:	2/27/98	Project: 14813 BURNTWOODS ROAD Glenwood, Maryland 21738 Howard County Title Deed Liber: 1630, Folio: 45 Plat Ref: <u>Lot No. 39 Plat Book No. 6853</u> WARFIELD ESTATES, Lots 38 and 39 a Resubdivision of Lot 4, Section Six and Lot 15, Block "C"
	Scale:	1"=150ft	
	File:	LT 98-6028	

Cross Section



Down View Existing To Be Demo
 Turned into Walkin Closet

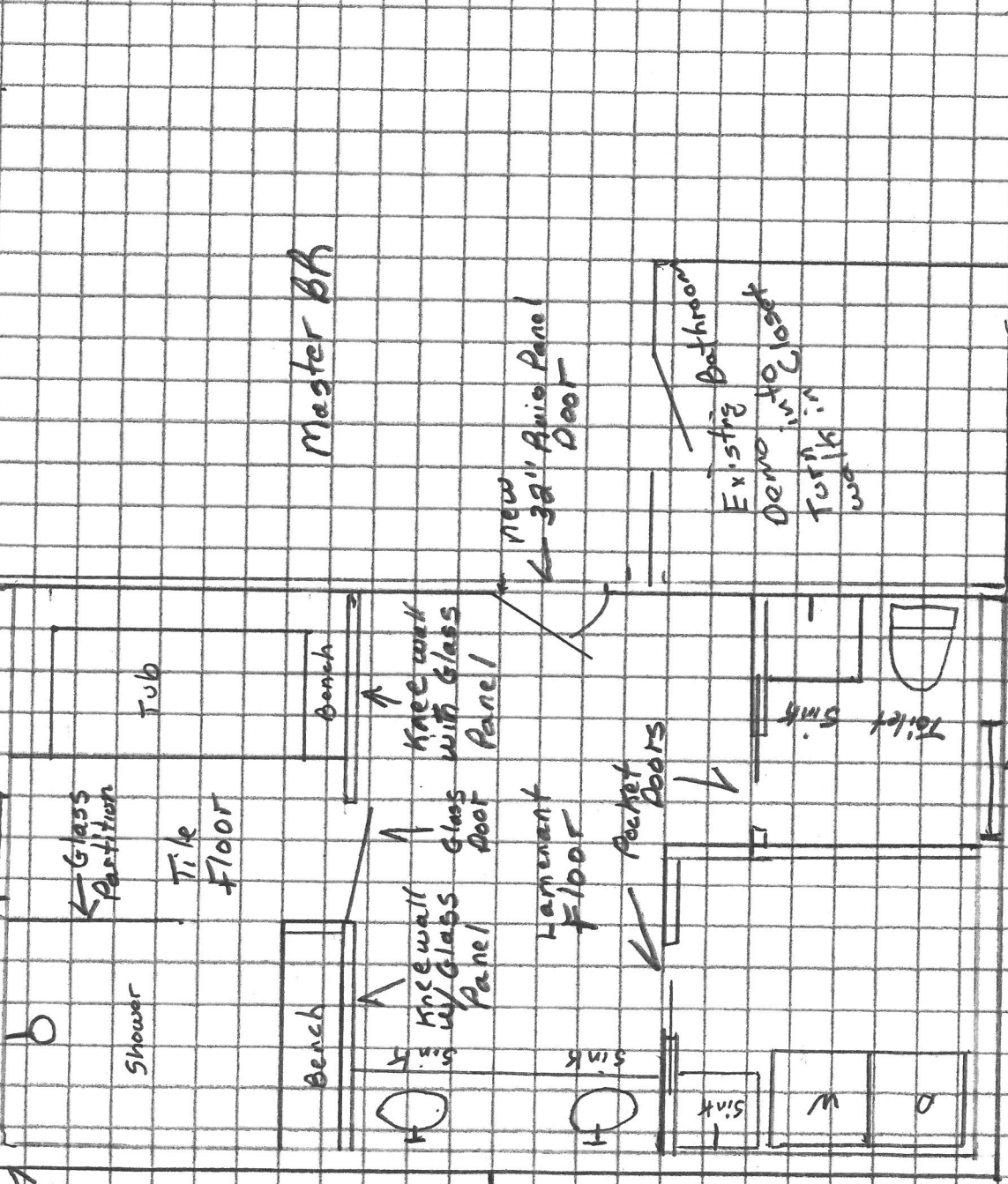


Approved Trace 247

2/12/2020 RAE

Floor Plan

400 series Temp Casement 32x48



2x6 walls

Shower

Glass Partition

Tub

Tile Floor

Bench

Bench

Master BR

Knee wall w/ Glass Panel

Knee wall w/ Glass Panel

New 3/4" Ply Panel Door

Laminate Floor

Pocket Doors

Sink

Sink

Sink

Sink

Toilet Sink

Existing Bathroom Demo in Closet Turn in

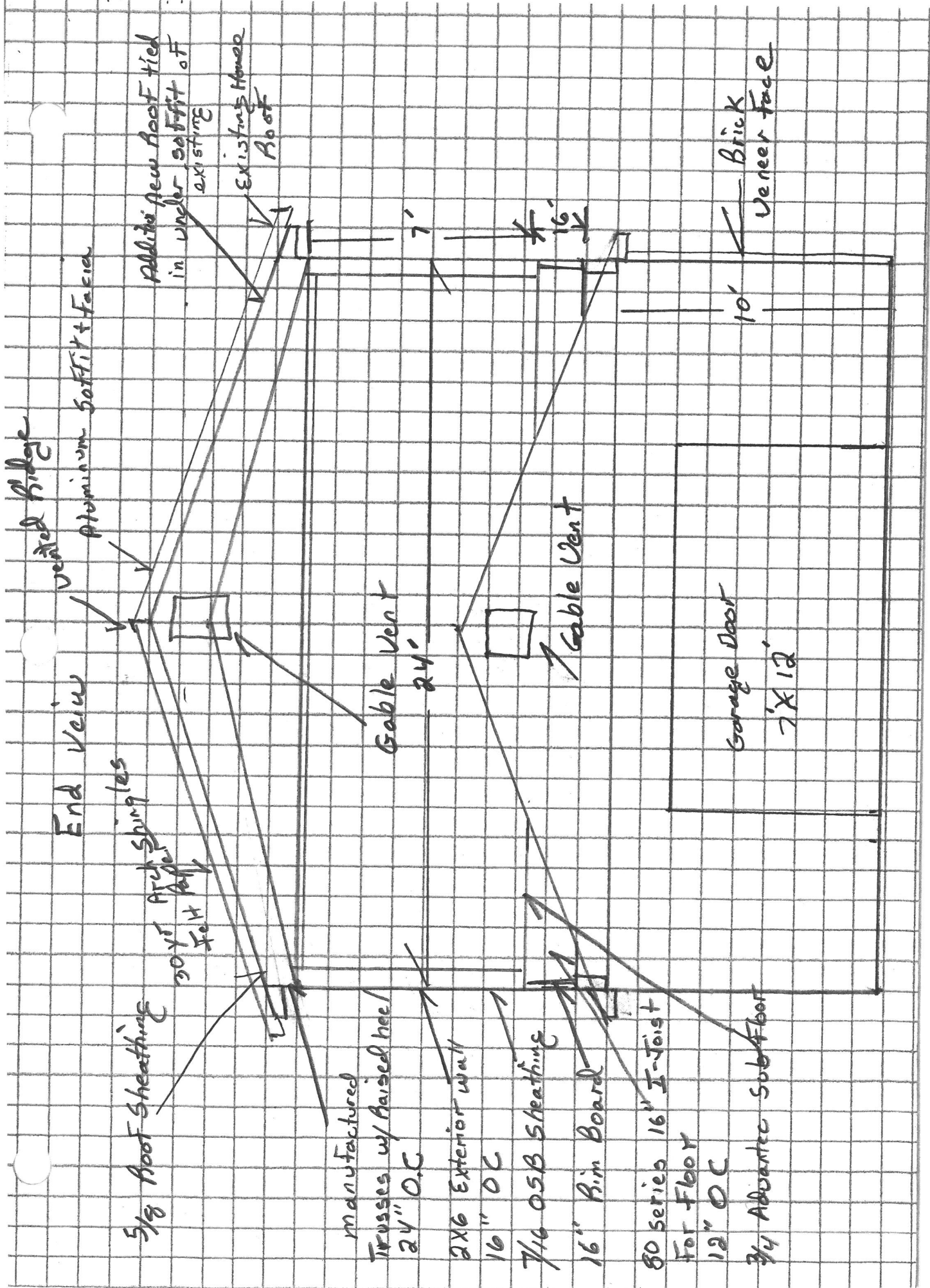
400 series Temp Casement 32x48

existing shingle roof

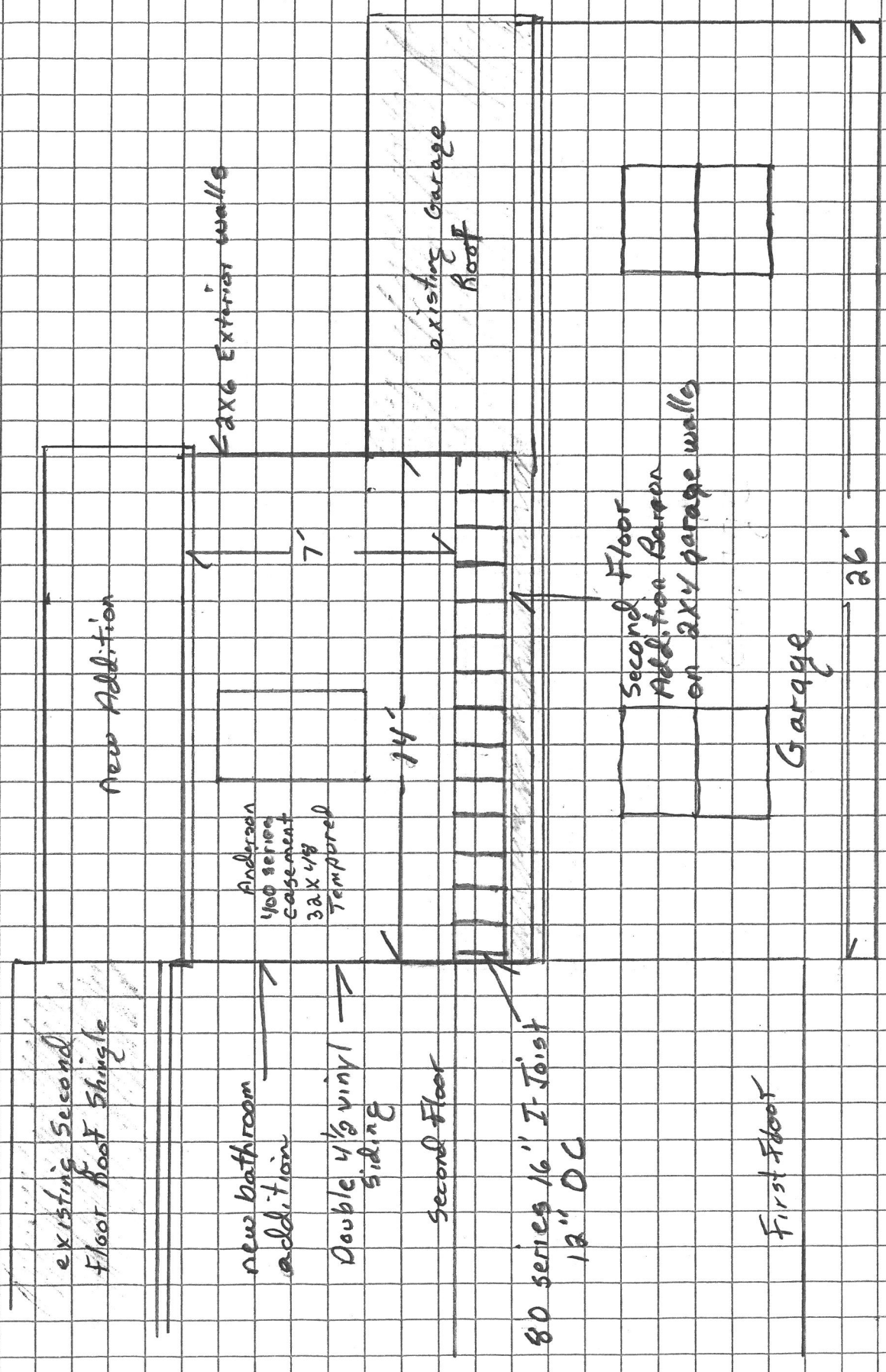
Approved

TS10000247

RJE 2/12/2020



Front View



Rear View

existing Second Floor / Roof Shingles

2x6 Exterior walls

EXIST HOUSE

second floor

80 series 16" I-Joist
12" O.C

first floor

New Addition

Aderson's
40 series
C.O.S. 4/8
3/8" temp

14'

Second Floor
Addition
on 2x4 garage walls

Garage

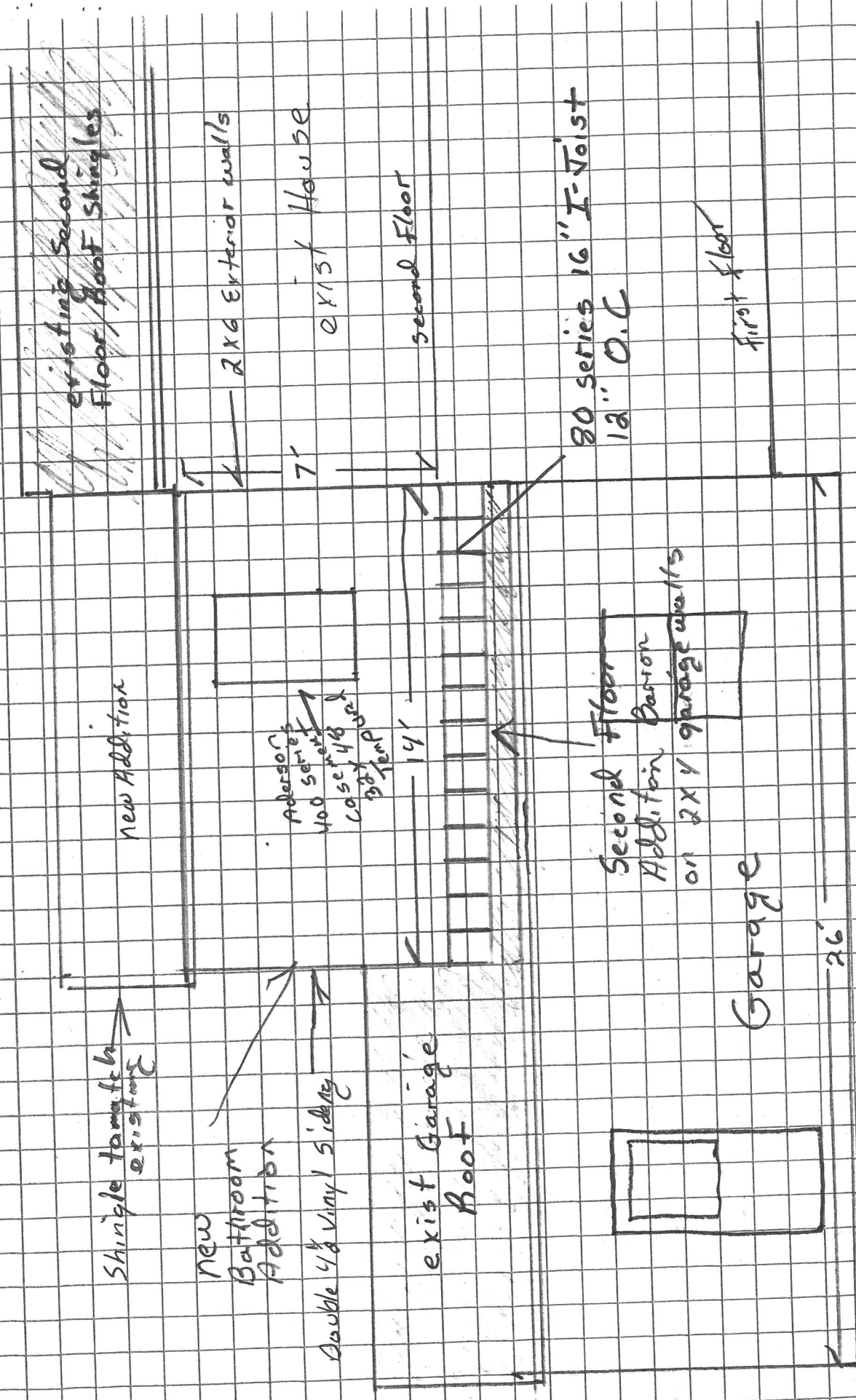
26'

Shingle to match existing

New Bathroom Addition

Double 1/2 Vinyl Siding

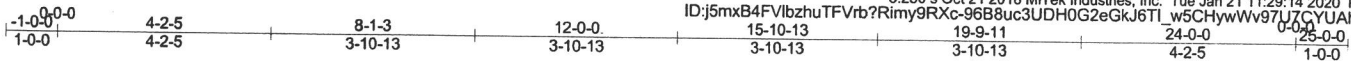
exist Garage Roof



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
JW-80581A	T1S	SCISSORS	12	1	

SMT LLC, Jarrettsville, MD 21084

8.230 s Oct 21 2018 MiTek Industries, Inc. Tue Jan 21 11:29:14 2020 Page 1
 ID:j5mxB4FVlbzhuTFVrb?Rimy9RXc-96B8uc3UDHOG2eGk6T1_w5CHyWwV97J7CYUAhzt9cZ



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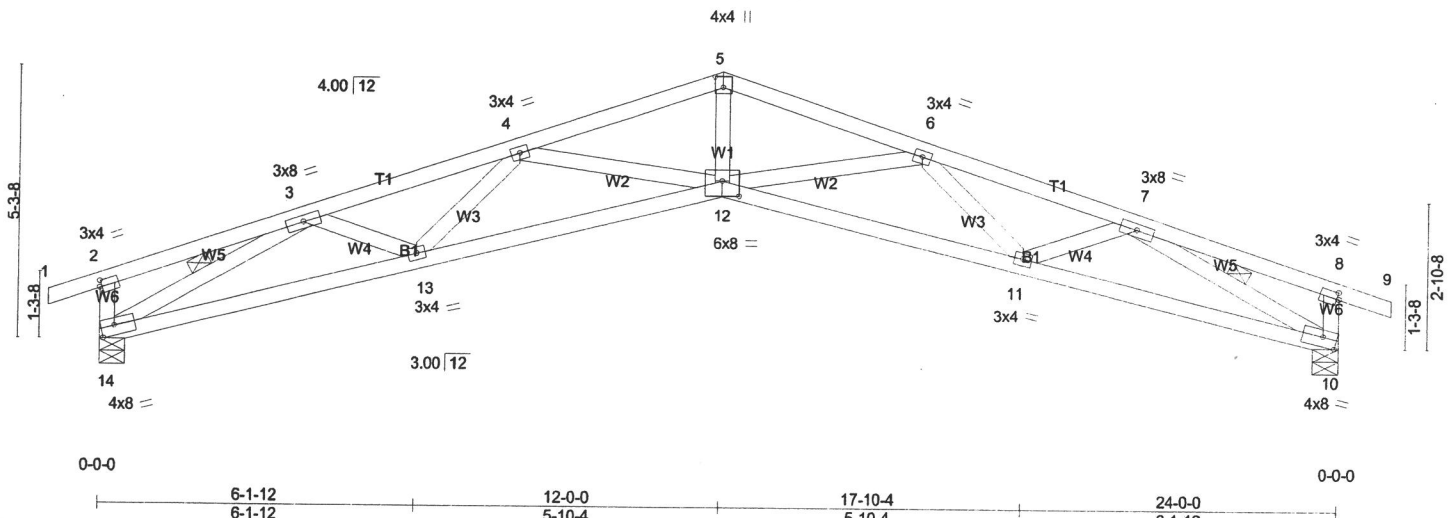


Plate Offsets (X,Y) -	[2:0-0-8,0-1-8], [5:0-2-8,0-2-0], [8:0-0-8,0-1-8], [10:0-3-3,Edge], [12:0-4-0,0-3-8], [14:0-3-3,Edge]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0	TC 0.62	in (loc) I/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.82	Vert(LL) -0.42 12 >683 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.56	Vert(CT) -0.63 12-13 >453 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.45 10 n/a n/a		
	Code IRC2015/TPI2014				
				Weight: 122 lb	FT = 0%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-3-7 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 8-3-10 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 3-14, 7-10

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

REACTIONS. (lb/size) 14=1537/0-6-0 (min. 0-1-12), 10=1537/0-6-0 (min. 0-1-12)
 Max Horz 14=-40(LC 15)
 Max Uplift 14=-271(LC 6), 10=-271(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-325/46, 3-15=-251/51, 3-16=-4053/560, 16-17=-3992/561, 4-17=-3987/567, 4-18=-4305/505, 5-18=-4242/510, 5-19=-4242/518, 6-19=-4305/512, 6-20=-3987/546, 20-21=-3992/541, 7-21=-4053/540, 7-22=-251/50, 8-22=-325/44, 2-14=-430/137, 8-10=-430/137
BOT CHORD 14-23=-509/3185, 13-23=-493/3208, 13-24=-569/4316, 12-24=-554/4333, 12-25=-508/4333, 11-25=-523/4316, 11-26=-457/3208, 10-26=-473/3185
WEBS 5-12=-217/2298, 6-12=-517/261, 6-11=-614/133, 7-11=-4/737, 4-12=-517/261, 4-13=-614/126, 3-13=0/737, 3-14=-3387/537, 7-10=-3387/522

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCLL: ASCE 7-10; Pf=40.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Bearing at joint(s) 14, 10 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 capable of withstanding 271 lb uplift at joint 14 and 271 lb uplift at joint 10.
 - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

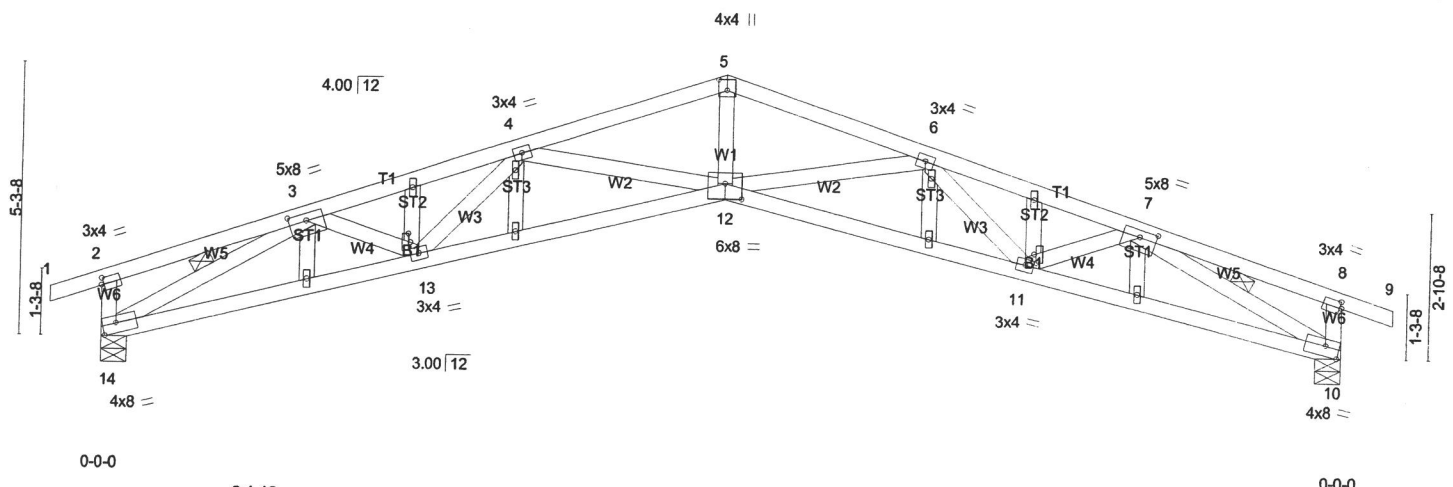
Continued on page 2

Job JW-80581A	Truss T1G	Truss Type GABLE	Qty 1	Ply 1	Job Reference (optional)
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SMT LLC, Jarrettsville, MD 21084

8,230 s Oct 21 2018 MiTek Industries, Inc. Tue Jan 21 11:28:40 2020 Page 1
 ID:j5mx84FVlbzhuTFVrb?Rimy9RXc-9a8Hm_f9Erk5zQgCKzsKcmhPsFJZxpjTyJh_gzr9ds
 15-10-13 19-9-11 24-0-0 25-0-0
 3-10-13 3-10-13 3-10-13 4-2-5 1-0-0

Scale = 1:42.4



0-0-0	6-1-12	12-0-0	17-10-4	24-0-0	0-0-0
Plate Offsets (X,Y)-	[2:0-0-8,0-1-8], [3:0-4-0,0-1-12], [3:0-2-0,0-0-6], [5:0-2-8,0-2-0], [7:0-4-0,0-1-12], [7:0-2-0,0-0-6], [8:0-0-8,0-1-8], [10:0-3-3,Edge], [11:0-2-0,0-0-8], [12:0-4-0,0-3-8], [13:0-2-0,0-0-8], [14:0-3-3,Edge]	5-10-4	5-10-4	6-1-12	

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.82	Vert(LL) -0.42 12 >683 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.56	Vert(CT) -0.63 12-13 >453 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.45 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 133 lb	FT = 0%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2
 OTHERS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-3-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-3-10 oc bracing.
 WEBS 1 Row at midpt 3-14, 7-10

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

REACTIONS. (lb/size) 14=1537/0-6-0 (min. 0-1-12), 10=1537/0-6-0 (min. 0-1-12)
 Max Horz 14=-40(LC 15)
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FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
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 4-24=-4305/505, 5-24=-4242/510, 5-25=-4242/518, 6-25=-4305/512, 6-26=-3987/546,
 26-27=-3992/541, 7-27=-4053/540, 7-28=-251/50, 8-28=-325/44, 2-14=-430/137,
 8-10=-430/137
 BOT CHORD 14-29=-509/3185, 13-29=-493/3208, 13-30=-569/4316, 12-30=-554/4333,
 12-31=-508/4333, 11-31=-523/4316, 11-32=-457/3208, 10-32=-473/3185
 WEBS 5-12=-217/2298, 6-12=-517/261, 6-11=-614/133, 7-11=-4/737, 4-12=-517/261,
 4-13=-614/126, 3-13=0/737, 3-14=-3387/537, 7-10=-3387/522

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 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; Pf=40.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.10
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 7) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 11) Bearing at joint(s) 14, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Continued on page 2

Finished Floor Plan

