NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
Limited building only review
Permit holder responsible for full compliance with the code

04/20/2020

Harnett COUNTY NORTH CAROLINA

ELEVATION NOTES:
GRADE ELEVATIONS SHOWN DO NOT NECESSARILY REFER TO THIS OR ANY OTHER LOT. THEY ARE FOR DIAGRAMMATIC PURPOSES ONLY AND MAY VARY. BUILDER IS RESPONSIBLE FOR ADAPTING THIS PLAN TO SUIT THE EXISTING TOPOGRAPHY OF THE SITE.

ROOF VENTILATION TO BE DETERMINED BY BUILDER AS PER CODE.

ALL EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS MUST HAVE A MIN. NET CLEAR OPENING OF 4.0 SQ FT. THE MIN NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 22". THE MIN NET CLEAR OPENING WIDTH SHALL BE 20".

EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A SILL HGHT OF NO MORE THAN 44" FROM THE FLOOR. ALL WINDOW SIZES ARE NOMINAL AND ARE TO BE VERIFIED WITH MANUFACTURER FOR AVAILABILITY AND CONFORMITY TO STATE AND LOCAL CODE REQUIREMENTS.

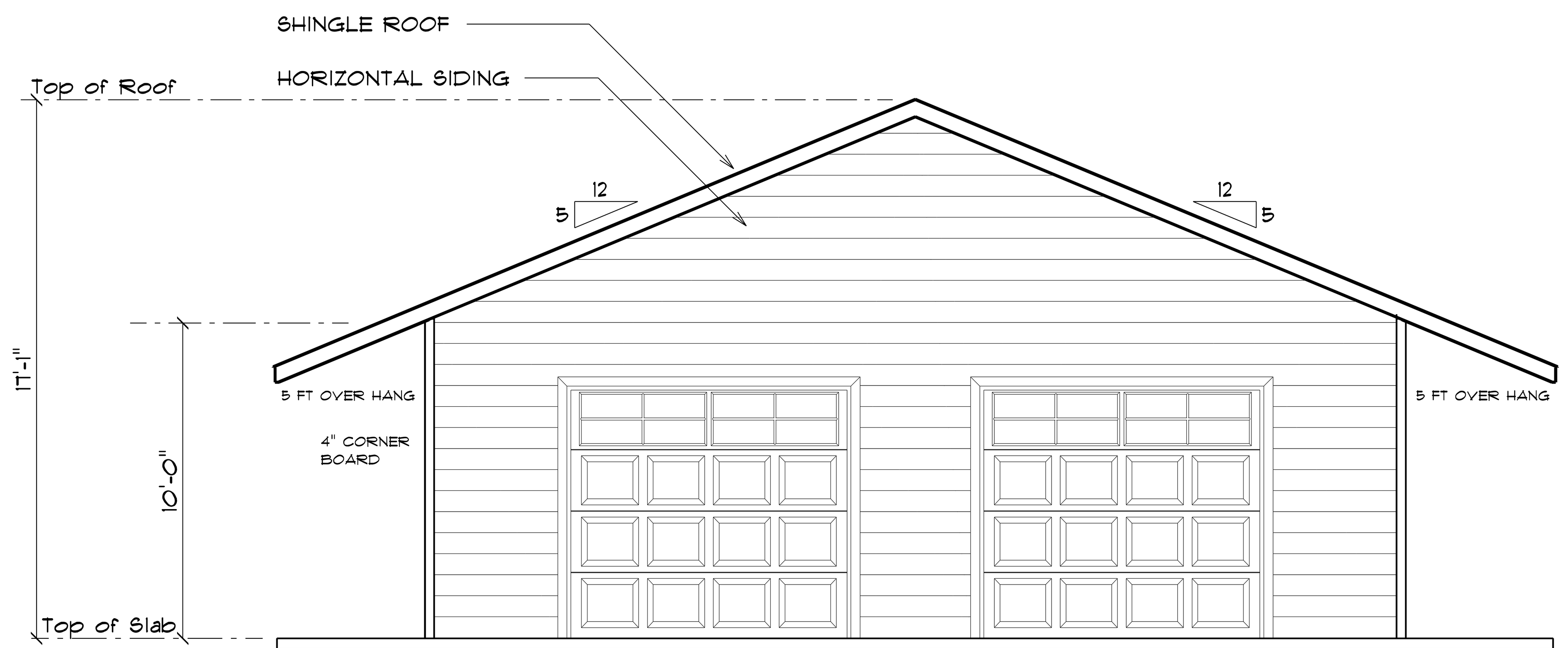
PORCHES, BALCONIES, OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS NOT LESS THAN 32" IN HEIGHT.

I ASSUME NO RESPONSIBILITY FOR ANY DISTANCES AFTER START OF CONSTRUCTION.
CONTRACTOR/BUILDER SHALL CONSULT WITH HOME OWNER ON ALL INTERIOR AND EXTERIOR MOLDINGS, TRIMS, COLORS, FINISHES, CABINET LAYOUTS, AND MANUFACTORS BEFORE CONSTRUCTION BEGINS.
ALL BEAMS AND FRAMING MEMBERS ARE SIZED BY OTHERS.

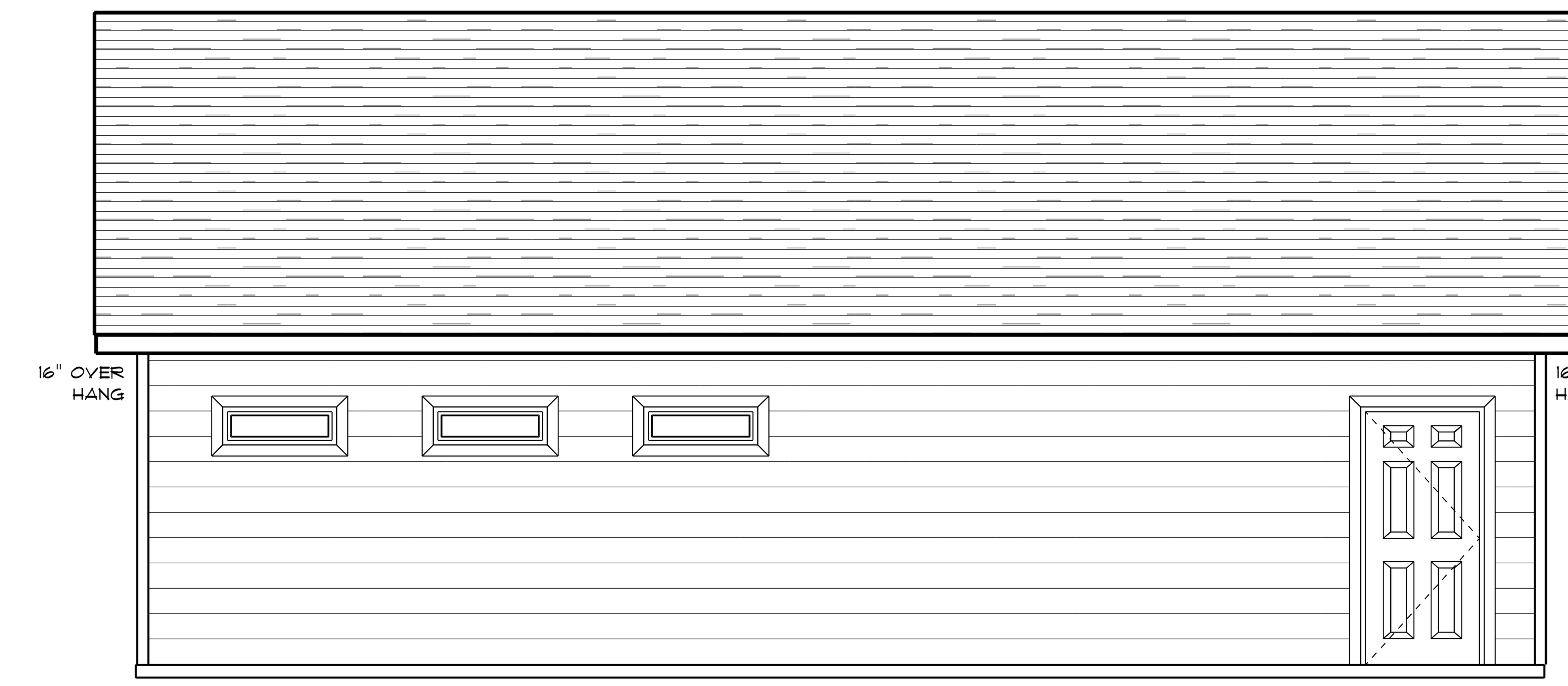
1.1 This plan has been drawn to comply with the 2018 NC Building Code

1.2 Minimum Design Loads for Building and Other Structures ASCE 7-98
2 Roof Dead Load 15 ~~115~~ PSF
3 Roof Live Load 20 PSF
4 Typical Floor Dead Load 10 PSF
5 Floor Live Loads
  5.1 Rooms other than sleeping rooms 40 PSF
  5.2 Sleeping Rooms 30 PSF
  5.3 Stairs 40 PSF
  5.4 Decks 40 PSF
  5.5 Exterior Balconies 60 PSF
6 Wind Loads
  6.1 Ultimate Design Wind Speeds ~~15~~ MPH 120
  6.2 Wind Importance Factor, IW 1.00
  6.3 Exposure B
  6.4 Walls (Component and Cladding) 25 PSF
  6.5 Roofs (Component and Cladding)
    6.5.1 Roof Slopes 2.25/12 to 7/12 34.8 PSF
    6.5.2 Roof Slopes 7/12 to 12/12 21 PSF

It is the sole responsibility of the Contractor and/or Builder to conform to all standards, provisions, requirements, methods of construction and uses of materials provided in buildings and/or structures as required by NC Uniform Building Code, Local Agencies and in accordance with good engineering practices. Verify all dimensions prior to construction.



FRONT ELEVATION
SCALE: 1'= 1/4"



LEFT ELEVATION
SCALE: 1'= 1/4"

REAR ELEVATION
SCALE: 1'= 1/4"

RIGHT ELEVATION
SCALE: 1'= 1/4"

PAGE #: 1A

DRD
Diane Rives Designs
6205 Mockingbird Lane
Sanford, N.C. 27332
919-777-6097
golfwoman@charter.net

SCALE: 1/4"= 1'
DRAWN BY:
DATE: 3/25/2020

CHUCK SMITH CONSTRUCTION

JOSE SANTIAGO & SHARON MARTIN

ELEVATIONS

GENERAL FRAMING NOTES:

ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED

FRAMING LUMBER SHALL BE SYP #2 GRADE AND/OR SPRUCE PINE FIR #1 AND/OR #2, KILN DRIED.

WHERE PRE-ENGINEERED JOISTS ARE USED, JOIST MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A N.C. ENGINEER.

STUDS AND JOISTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING WITHOUT ADDING METAL OR WOOD SIDE PANELS TO STRENGTHEN THE MEMBER TO ITS ORIGINAL CAPACITY.

NAIL MULTIPLE MEMBERS WITH 2 ROWS OF 16d NAILS STAGGERED 32" OC AN USE 3-16d NAILS 2" IN AT EACH END. DOUBLE ALL STUDS UNDER ROOF POST DOWNS UNO.

NAIL FLOOR JOISTS TO SILL PLATE WITH 8d TOE NAILS.

ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED.

PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.

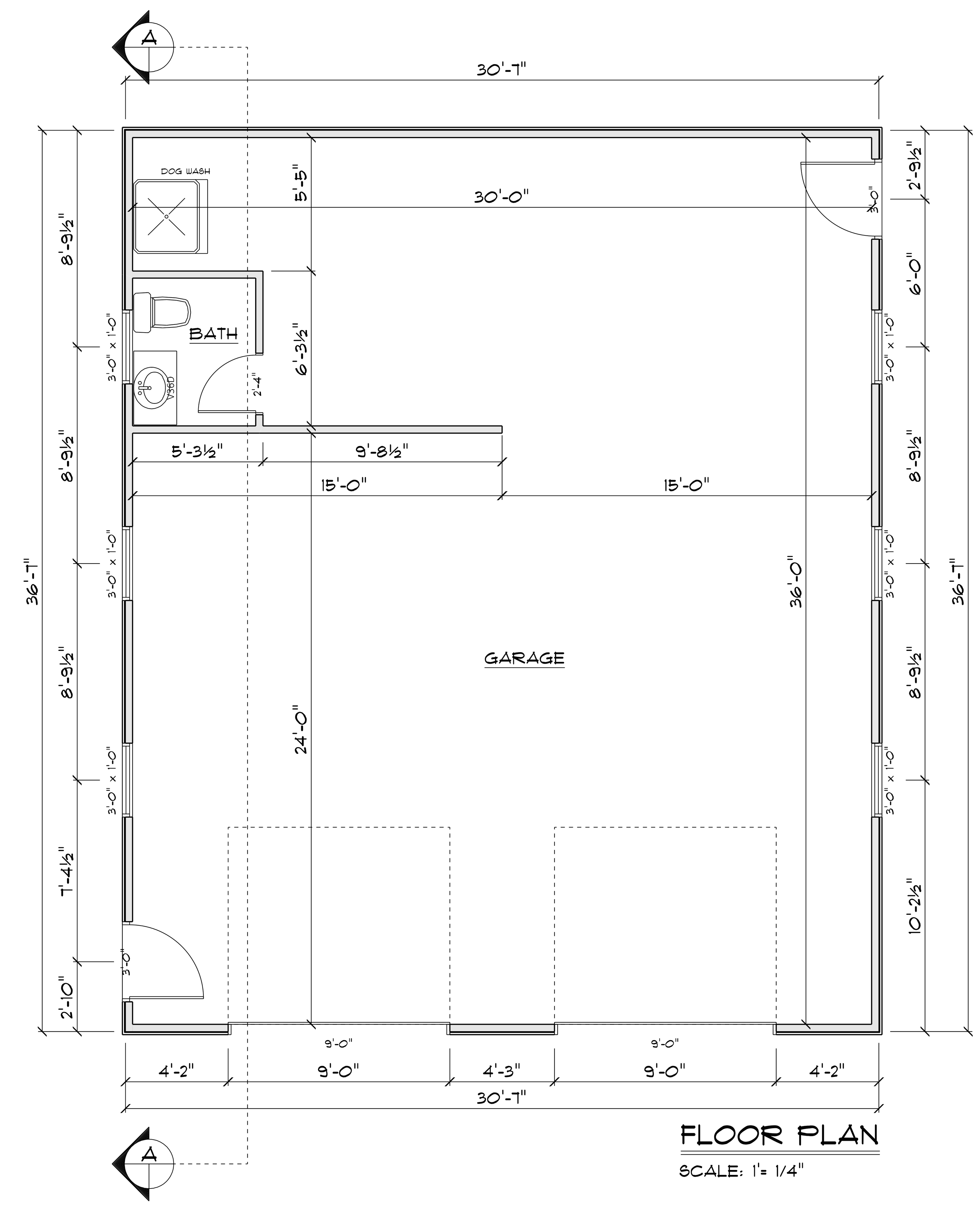
ALL FRAMING TO BE 16" OC UNO. WALL FRAMING DIMENSIONS ARE BASED ON 2 X 4 STUDS UNO. DOUBLE STUDS UNDER ALL HEADERS.

LVL'S AND TJI'S TO BE SIZED BY OTHERS

EXTERIOR WALLS IN LIVING AREAS ARE 2 X 4

OPENING SCHEDULE

SIZE	HINGE	COUNT	LIBRARY NAME
3'-0"	R	2	Exterior Door\Colonial
9'-0"	U	2	Garage\Tall Garage
2'-4"	L	1	Interior Door\Colonial
3'-0" x 1'-0"	N	6	Window\Transom



FLOOR PLAN

SCALE: 1'= 1/4"

DATE: 4/3/2020

DRAWN BY:

SCALE: 1'= 1/4"

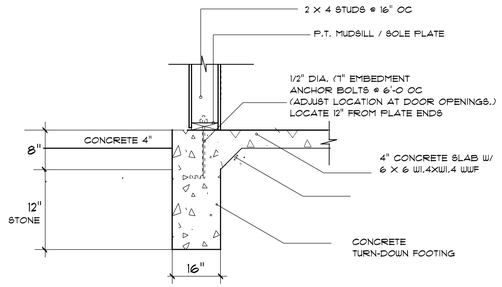
CHUCK SMITH CONSTRUCTION

JOSE SANTIAGO & SHARON MARTIN

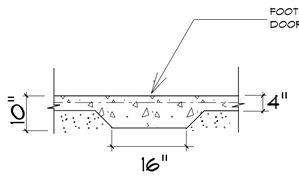
FLOOR PLAN

3A

DRD
Diane Rives Designs
6205 Mockingbird Lane
Sanford, N.C. 27332
919-777-6097
golfwoman@charter.net



TURN DOWN SLAB FOOTING

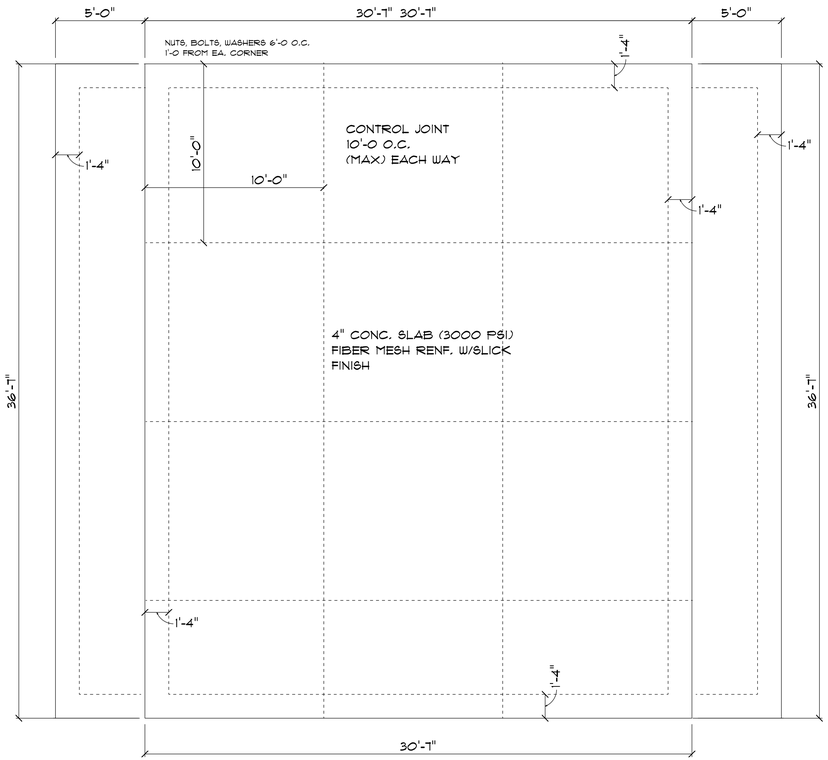


TYPICAL THICKENED SLAB

PROVIDE EXPANSION JOINTS AT THE EDGES OF SLABS THAT ARE NOT HEATED OR THAT ARE EXPECTED TO CHANGE TEMPERATURE SIGNIFICANTLY OVER THEIR LIFETIMES
ALSO PROVIDE EXPANSION JOINTS TO ISOLATE BUILDING ELEMENTS THAT PENETRATE SLABS SUCH AS STRUCTURAL COLUMNS, WALLS, OR PLUMBING

CONTROL JOINTS
PROVIDE CONTROL JOINTS TO INDUCE CRACKING AT SELECTED LOCATIONS -- TROWEL OR CUT JOINTS INTO THE SURFACE OF SLABS TO ABOUT 1/4 OF THE SLAB DEPTH AND AT 20 FT. INTERVALS -- COLD JOINTS CAN ACT AS CONTROL JTS

CONCRETE SLAB
DETAILS / NOTES



SLAB FOUNDATION PLAN

SCALE: 1"= 3/8"

FOUNDATION NOTES:
ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL.
THE 28 DAY COMPRESSIVE STRENGTH OF ALL FOOTINGS IS 3000 PSI

PROVIDE WATER PROOFING AND PERIMETER DRAINS AS REQUIRED.

FOUNDATION CONCRETE MIX TO HAVE 1-1/2" MAX AGGREGATE SIZE. CONCRETE FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.

FOOTING WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 2000 PSI.

PROVIDE 6 MIL POLY VAPOR BARRIER TO COVER GROUND SURFACE IN CRAWL SPACE

ALL ANCHOR BOLTS TO BE 12" LONG, 1/2" DIA. A36 UNO ANCHOR BOLTS SHALL BE SPACE AT A MAX OF 6' OC AND NO MORE THAN 1' FROM EA CORNER.

Termite Soil Treatment: Treat entire slab area soil or crawl space surface before vapor barrier is installed and slab is poured with a state approved termiticide. Termiticide should be applied by a licensed and certified pest control professional by the state of North Carolina.

Diane Rives Designs
6205 Mockingbird Lane
Sherrills Ford, NC 28673
dr@dianerivesdesigns.net

PAGE #: 2A

SCALE: 1/4" = 1'

DRAWN BY:

DATE: 3/25/2020

CHUCK SMITH CONSTRUCTION

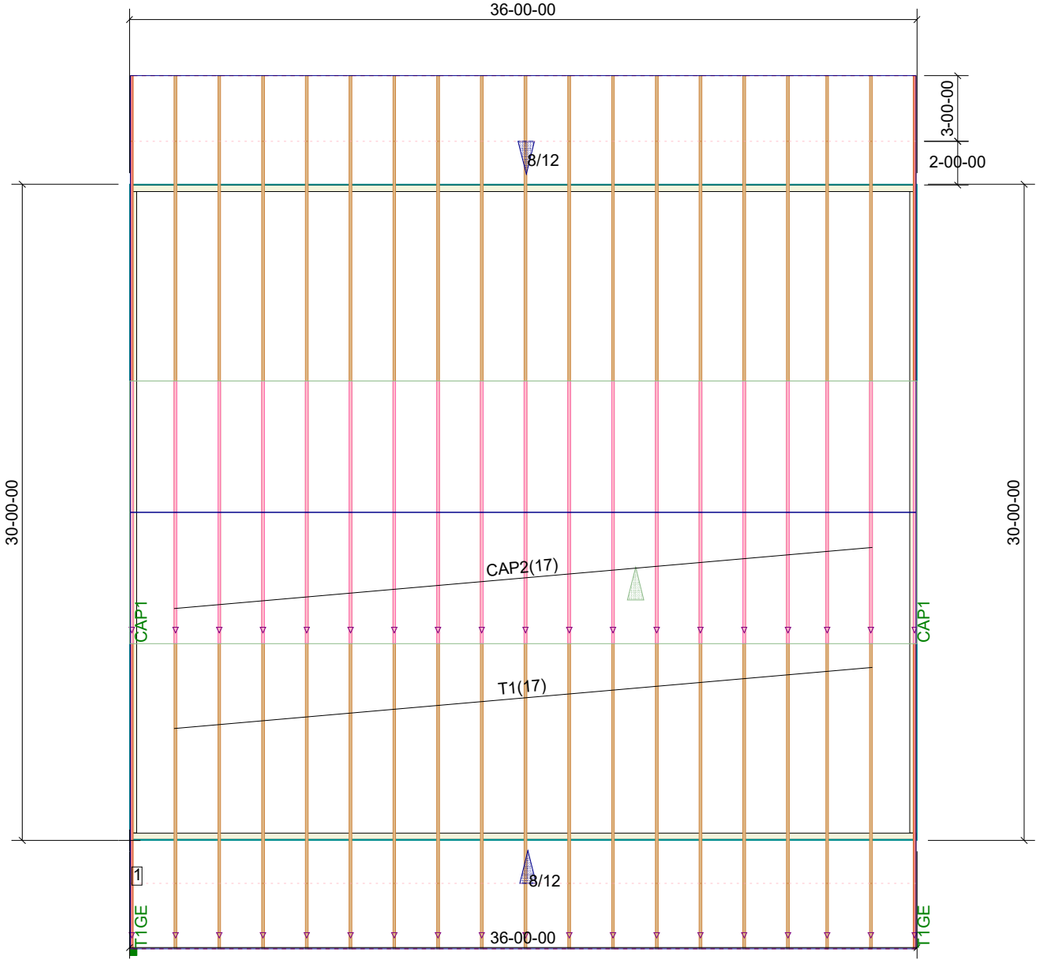
JOSE SANTIAGO & SHARON MARTIN

FOUNDATION PLAN

THIS LAYOUT IS TO BE USED AS A TRUSS PLACEMENT GUIDE ONLY. PLEASE REFER TO BUILDING PLANS FOR BUILDING CONSTRUCTION AND DETAILS, SUCH AS PLUMBING OR DUCT DROPS.

PROPOSED DESIGN- NOT FOR CONSTRUCTION

Jose Santiago
Roof Trusses
2' Cantilever
3' Overhang
2' OC



Roof Truss Loading per
2018 NC Residential Code

Top Chord Live Load	20# PSF
Top Chord Dead Load	10# PSF
Bottom Chord Live Load	0# PSF
Bottom Chord Dead Load	10# PSF

Trusses are designed for additional storage load wherever a 42"x24" box will fit between the webs.

△ - This symbol denotes left end of truss as shown on truss drawings

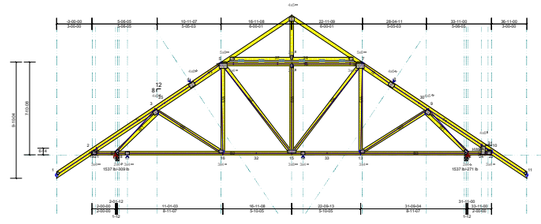
● - Approximate location of toilet drop. Builder please confirm.

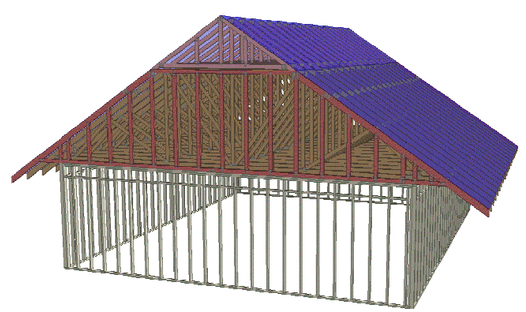
Truss connections by others:

Ⓝ -Nailed

Ⓛ -Ledger

Notes:
1. Exterior dimensions shown are assumed to be:
   ☐ Out-to-out of stud
   ☒ Out-to-out of sheathing
2. Adjust truss locations as needed for plumbing and mechanical clearance. Unless otherwise noted, trusses may be shifted as long as O.C. spacing shown is not exceeded.
3. Do not cut, drill, or otherwise damage any part of any truss without prior approval from Peak Truss.
4. Do not approve drawings if any information herein is unclear. Once ordered trusses will be fabricated as approved.
5. Please contact Peak Truss Builders with any questions. We are available to help any way we can. We can be reached at 919-545-5555 or sales@peaktruss.com





Job # Q-2000853

Jose Santiago

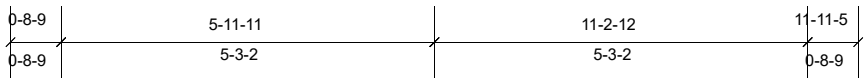
Date Quoted:

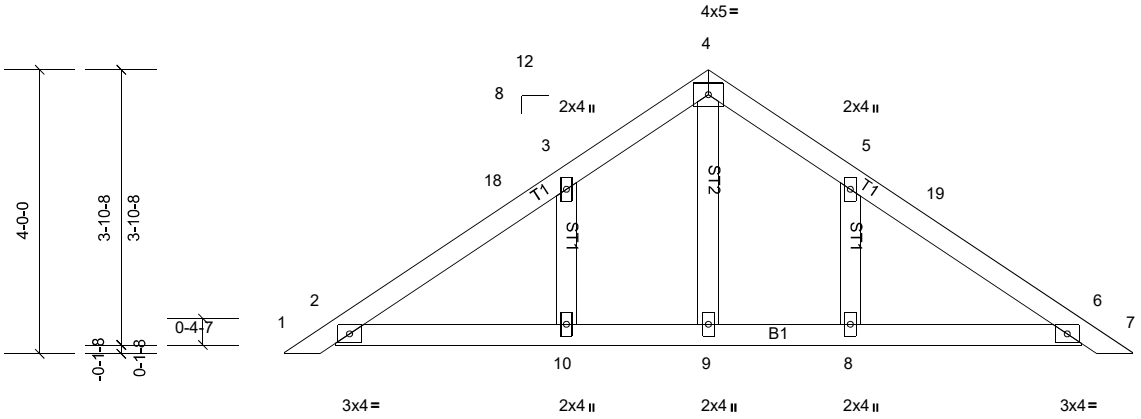
Designer: **Coordinator L**

Chuck Smith Construction
129 Steel St
Sanford,NC
27330

Peak Truss Builders, LLC
PO Box 340, New Hill, NC 27562

Job	Truss	Truss Type	Qty	Ply	Jose Santiago-Roof
Q-2000853-1	CAP1	Piggyback	2	1	Job Reference (optional)





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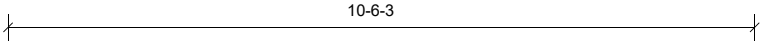


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 48 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

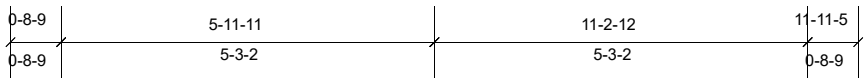
REACTIONS All bearings 10-6-3.
(lb) - Max Horiz 2=-68 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 10, 2, 6
Max Grav All reactions 250 (lb) or less at joint(s) 9, 2, 6 except 8=272 (LC 17), 10=272 (LC 16)

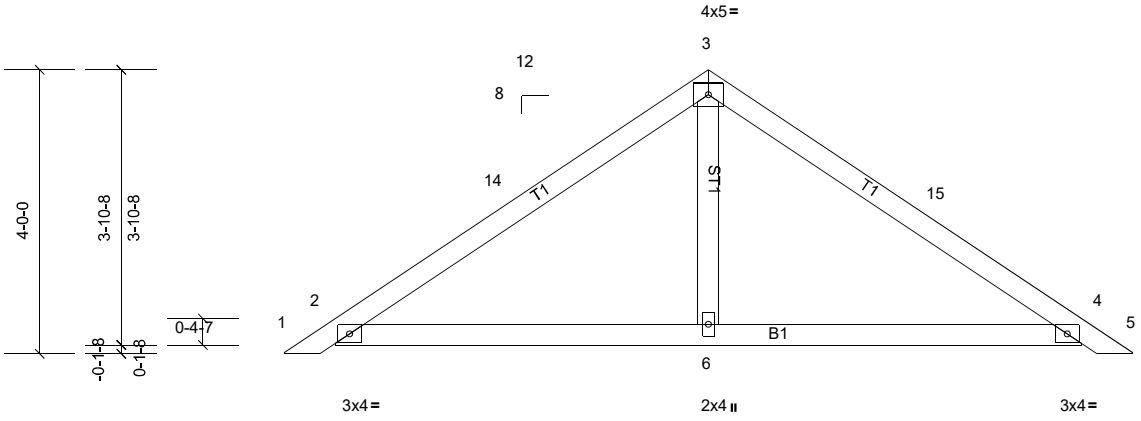
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-3-5 to 3-3-5, Interior (1) 3-3-5 to 6-0-1, Exterior (2) 6-0-1 to 9-0-1, Interior (1) 9-0-1 to 11-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) * 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 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8, 2, 6.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jose Santiago-Roof
Q-2000853-1	CAP2	Piggyback	17	1	Job Reference (optional)





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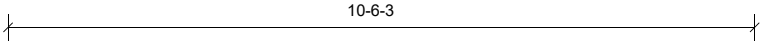

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 42 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS All bearings 10-6-3.
(lb) - Max Horiz 2=-68 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4
Max Grav All reactions 250 (lb) or less at joint(s) except 6=345 (LC 1), 2=277 (LC 1), 4=277 (LC 1)

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-3-5 to 3-3-5, Interior (1) 3-3-5 to 6-0-1, Exterior (2) 6-0-1 to 9-0-1, Interior (1) 9-0-1 to 11-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) * 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 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 2, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jose Santiago-Roof
Q-2000853-1	T1	Piggyback Base	17	1	Job Reference (optional)

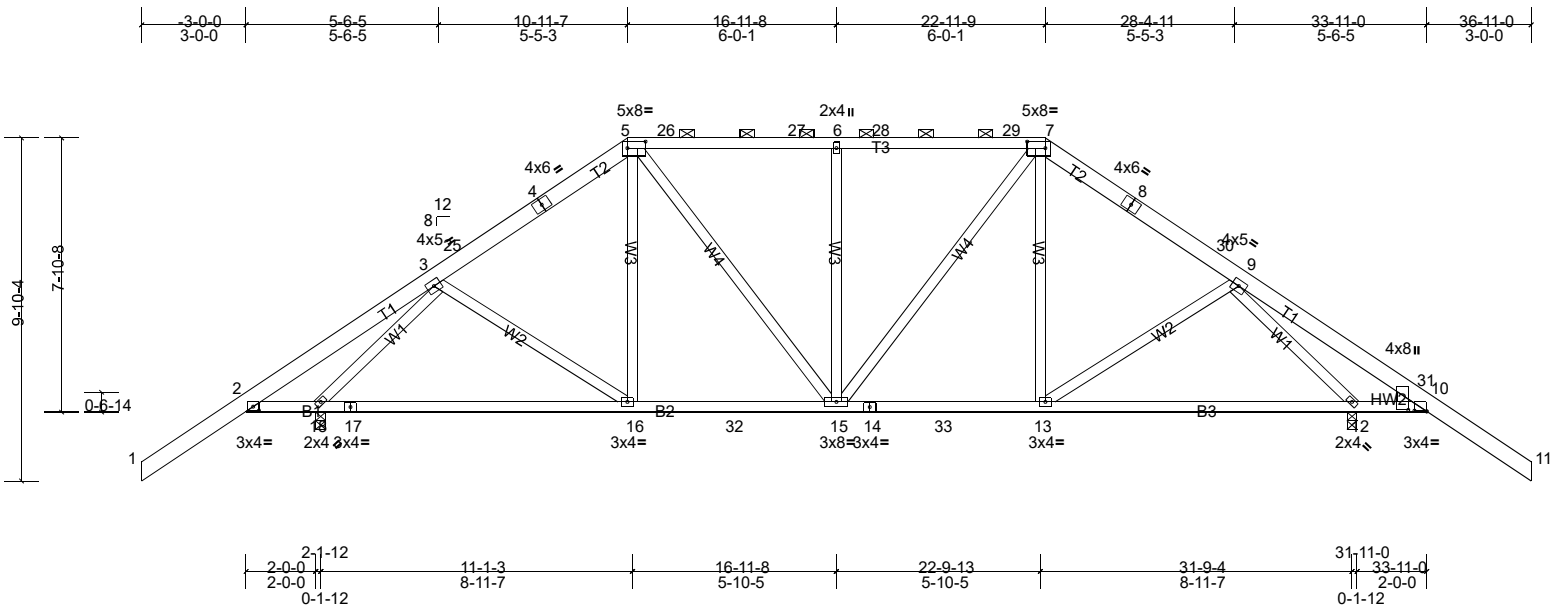

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Plate Offsets (X, Y): [5:0-6-4,0-2-4], [7:0-6-4,0-2-4], [10:0-4-3,0-0-4], [10:0-0-8,0-6-6]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.06	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.16	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 242 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2 *Except* T3:2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE Right: 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (4-3-12 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

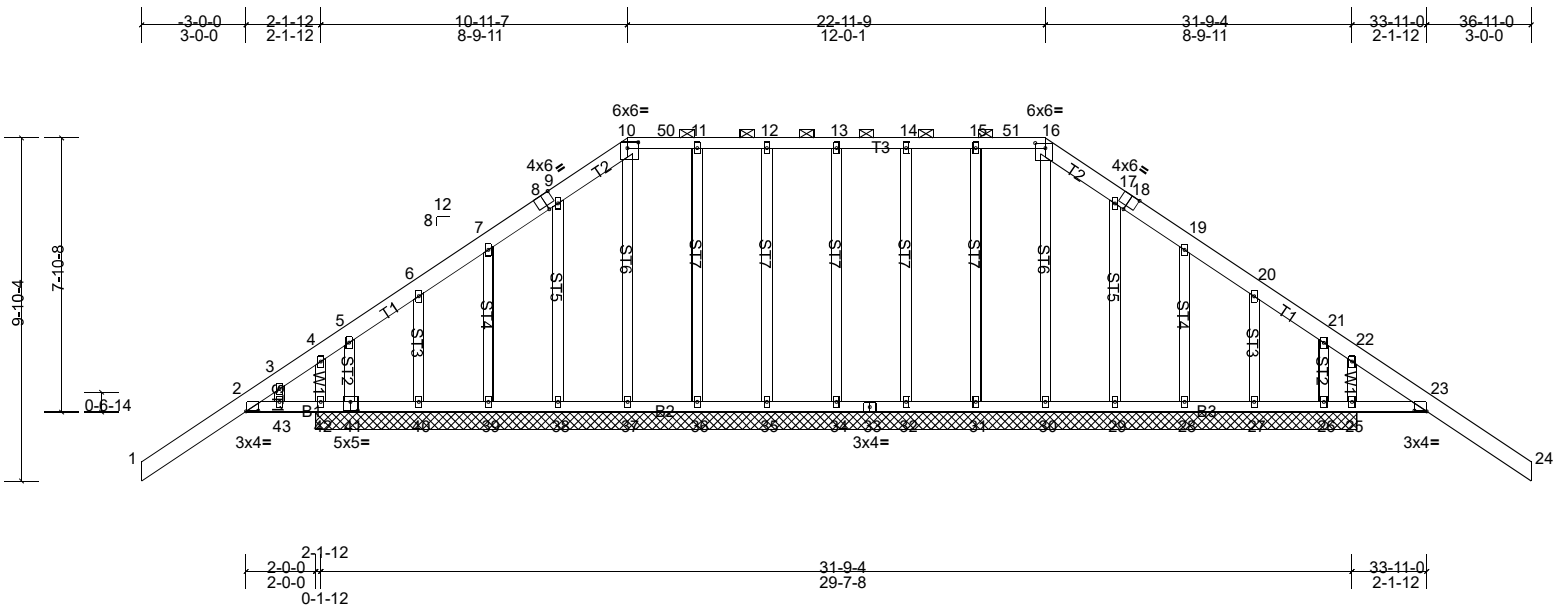
REACTIONS (lb/size) 12=1537/0-3-8, (min. 0-2-7), 18=1537/0-3-8, (min. 0-2-7)
Max Horiz 18=-173 (LC 9)
Max Uplift 12=-271 (LC 11), 18=-309 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-446/562, 3-25=-1212/132, 4-25=-1125/149, 4-5=-1125/166, 5-26=-1114/218, 26-27=-1114/218, 6-27=-1114/218, 6-28=-1114/218, 28-29=-1114/218, 7-29=-1114/218, 7-8=-1124/168, 8-30=-1124/151, 9-30=-1211/134, 9-10=-445/527, 10-31=-381/501, 10-31=-384/478
BOT CHORD 2-18=-407/505, 17-18=0/891, 16-17=0/891, 16-32=0/1015, 15-32=0/1015, 14-15=0/973, 14-33=0/973, 13-33=0/973, 12-13=0/797, 10-12=-384/505
WEBS 5-15=-62/362, 6-15=-402/143, 7-15=-62/362, 3-18=-1754/559, 9-12=-1715/530

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -3-0-0 to 0-4-14, Interior (1) 0-4-14 to 10-11-7, Exterior (2) 10-11-7 to 15-9-0, Interior (1) 15-9-0 to 22-11-9, Exterior (2) 22-11-9 to 27-9-2, Interior (1) 27-9-2 to 36-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 309 lb uplift at joint 18 and 271 lb uplift at joint 12.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jose Santiago-Roof
Q-2000853-1	T1GE	Piggyback Base Supported Gable	2	1	Job Reference (optional)



Scale = 1:66.2

Plate Offsets (X, Y): [2:0-4-3,0-0-4], [8:0-3-0,Edge], [10:0-3-12,0-2-0], [16:0-3-8,0-1-12], [18:0-3-0,Edge], [23:0-4-3,0-0-4], [41:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.02	25	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 273 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* T3:2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 10-16.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS All bearings 29-11-0.

(lb) - Max Horiz 42=-157 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40 except 25=-161 (LC 20), 26=-386 (LC 21), 41=-411 (LC 20), 42=-173 (LC 21)

Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 31, 32, 34, 35, 36, 38, 39, 40, 41 except 25=696 (LC 21), 30=387 (LC 1), 37=387 (LC 1), 42=713 (LC 20)

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

TOP CHORD 2-3=-327/487, 3-4=-261/504, 4-5=-218/394, 5-6=-216/510, 6-7=-164/507, 7-8=-115/501, 8-9=-103/513, 9-10=-62/497, 10-50=-25/395, 11-50=-25/397, 11-12=-24/395, 12-13=-24/395, 13-14=-24/395, 14-15=-24/395, 15-51=-25/397, 16-51=-25/395, 16-17=-62/497, 17-18=-103/514, 18-19=-115/501, 19-20=-165/508, 20-21=-215/506, 21-22=-222/397, 22-23=-259/507

BOT CHORD 2-43=-396/342, 42-43=-396/342, 41-42=-396/342, 40-41=-394/341, 39-40=-394/341, 38-39=-394/341, 37-38=-394/341, 36-37=-395/341, 35-36=-395/341, 34-35=-395/341, 33-34=-395/341, 32-33=-395/341, 31-32=-395/341, 30-31=-395/341, 29-30=-395/341, 28-29=-395/341, 27-28=-395/341, 26-27=-395/341, 25-26=-395/341, 23-25=-395/341

WEBS 16-30=-347/64, 10-37=-347/64, 5-41=-222/252, 22-25=-450/193, 4-42=-458/192

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=34ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
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 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 29, 28, 27 except (jt=lb) 41=411, 26=385, 25=161, 42=173.
9) Non Standard bearing condition. Review required.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

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11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard