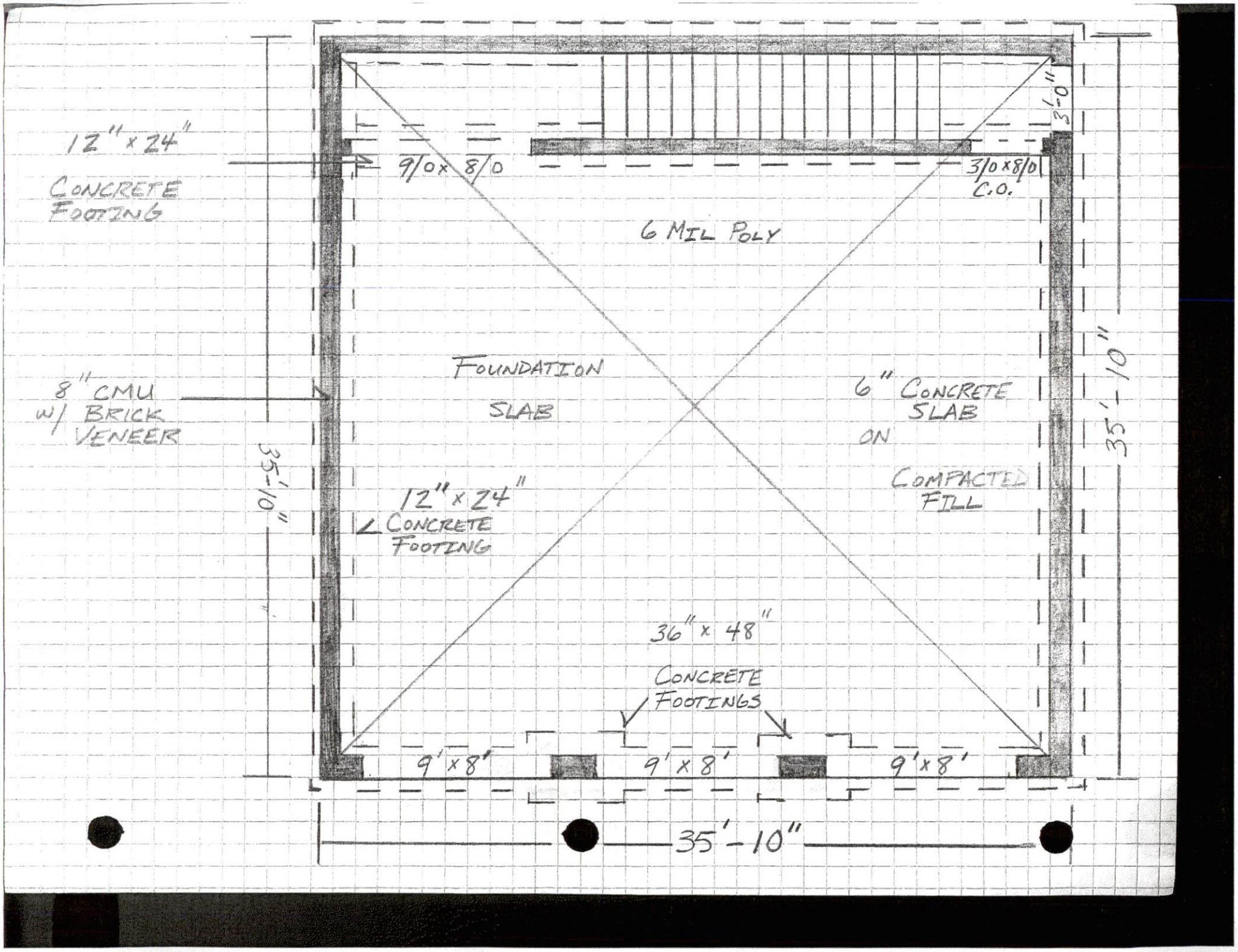
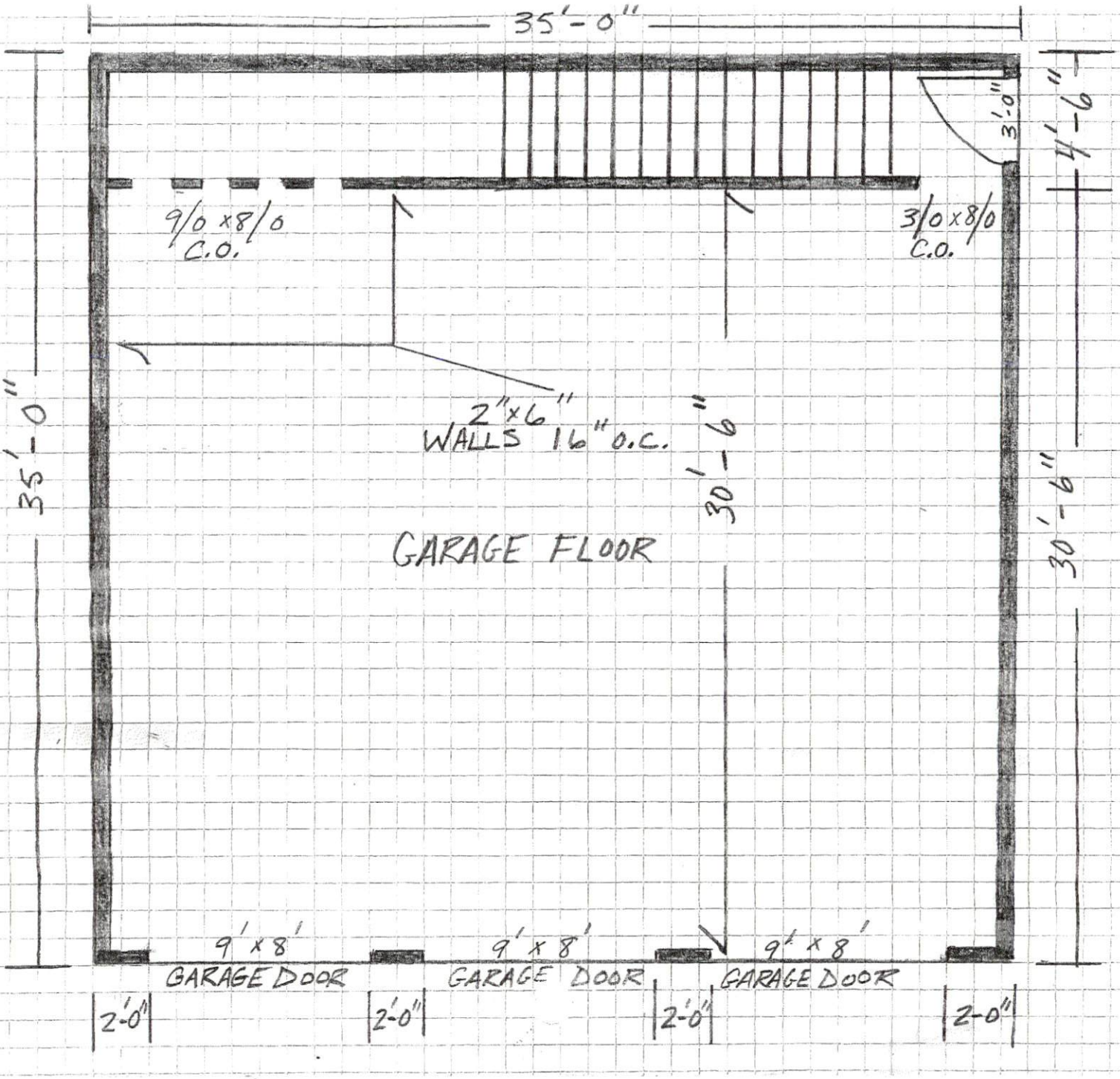
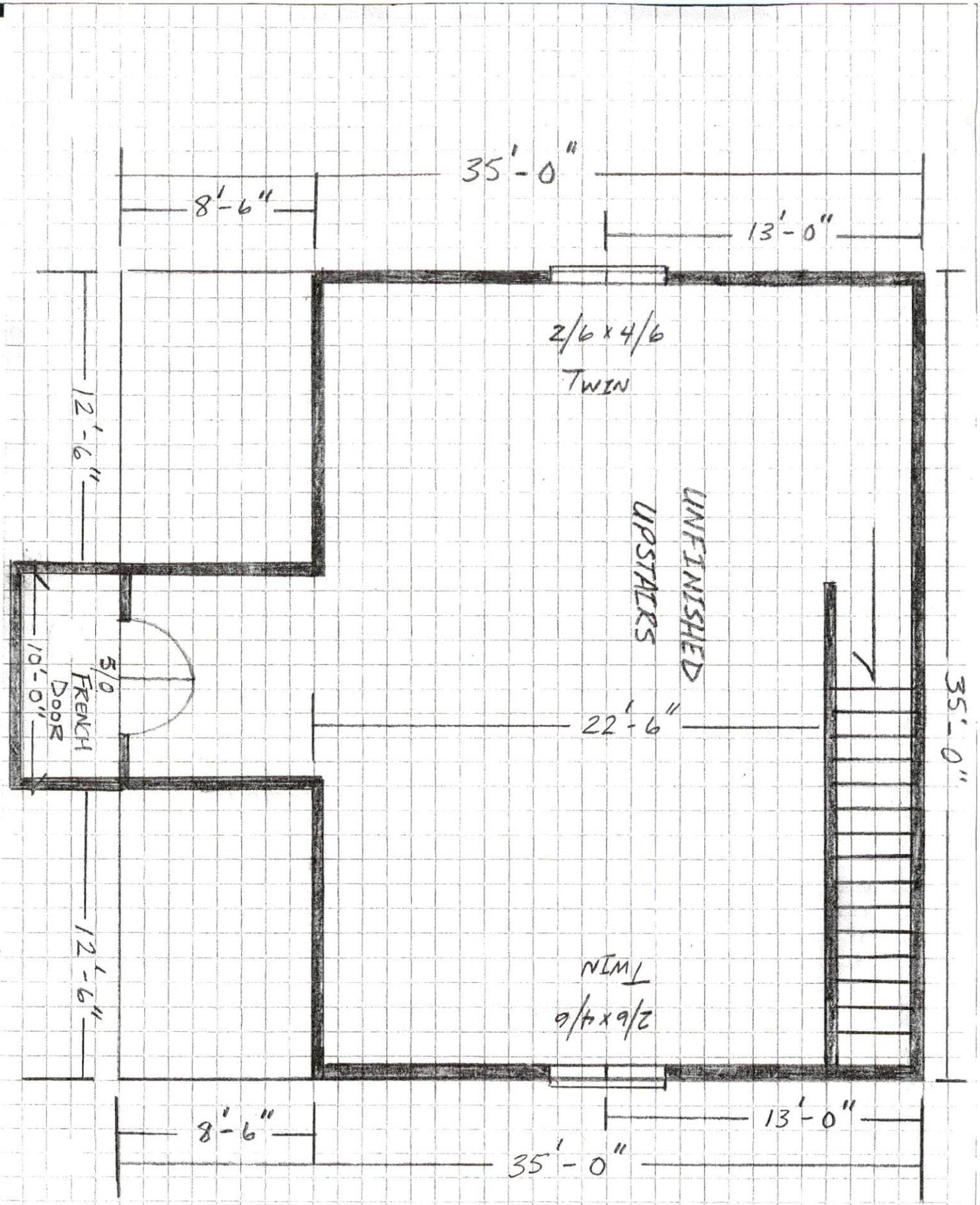
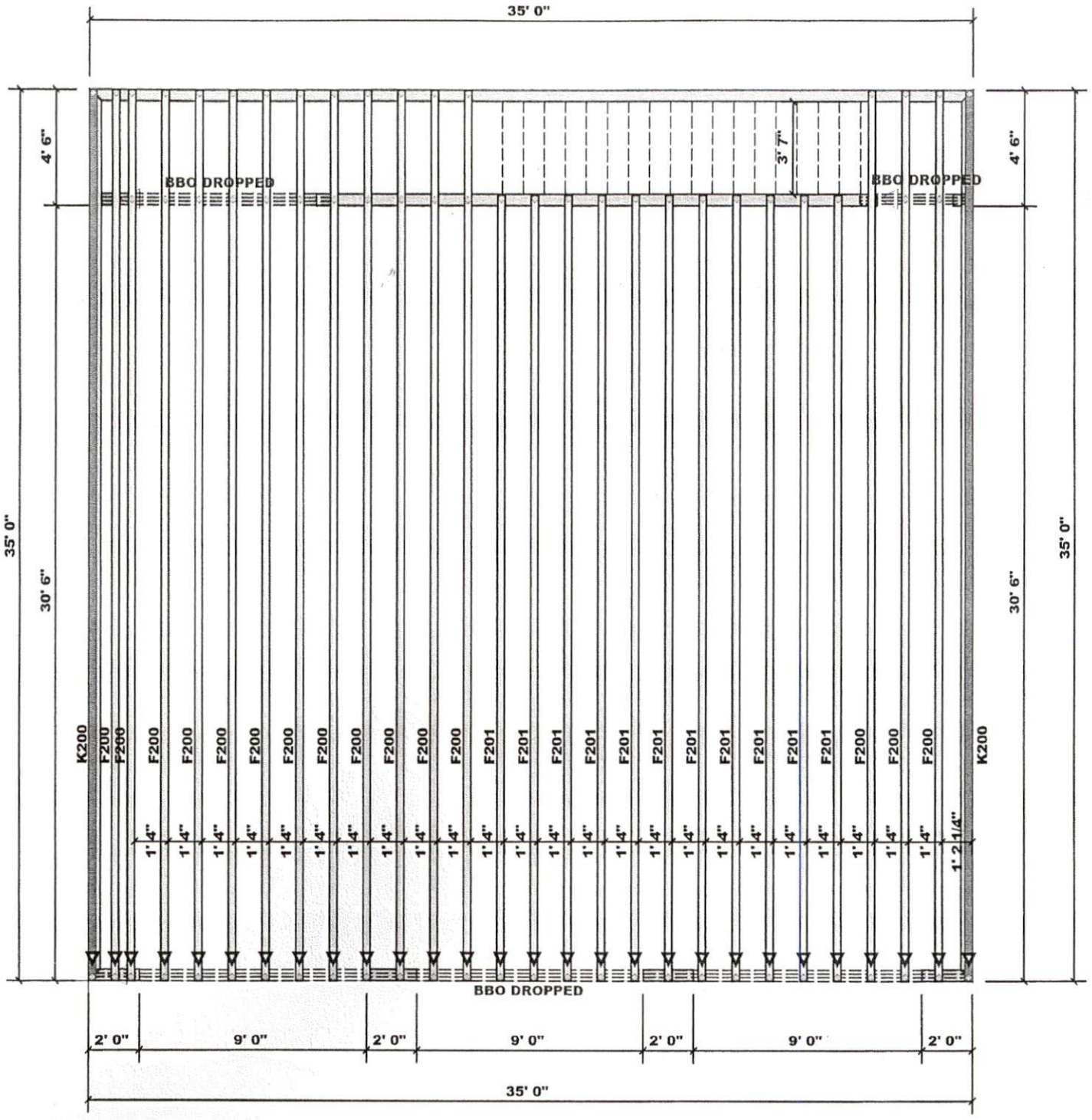

12" x 24"
CONCRETE FOOTING
9/0 x 8/0
3/0 x 8/0 C.O.
3'-0"
6 MIL POLY
8" CMU w/ BRICK VENEER
FOUNDATION SLAB
6" CONCRETE SLAB ON COMPACTED FILL
35'-10"
12" x 24" CONCRETE FOOTING
36" x 48" CONCRETE FOOTINGS
9' x 8'
9' x 8'
9' x 8'
35'-10"


35'-0"
35'-0"
3'-0"
4'-6"
9/0 x 8/0
C.O.
3/0 x 8/0
C.O.
2"x6"
WALLS 16" O.C.
30'-6"
30'-6"
GARAGE FLOOR
9' x 8'
GARAGE DOOR
9' x 8'
GARAGE DOOR
9' x 8'
GARAGE DOOR
2'-0"
2'-0"
2'-0"
2'-0"


35'-0"
8'-6"
13'-0"
2/6 x 4/6
TWIN
12'-6"
UNFINISHED
UPSTAIRS
5/0
FRENCH
DOOR
10'-0"
22'-6"
35'-0"
12'-6"
2/6x4/6
TWIN
8'-6"
13'-0"
35'-0"



NO ROOF LOADS ON FLOOR TRUSSES

GENERAL NOTES
1. BBO BEAMS PROVIDED BY OTHER

Truss Placement Plan
SCALE: NTS

▲- Indicates Left End of Truss
(Reference Engineered Truss Drawing)
Do NOT Erect Truss Backwards

LOAD CHART FOR 2ACE STUDS

BUILDER	PBS/R&D INVESTMENTS	CITY / CO.	DUNN / Johnston	THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult DSB1 and BCSI B3 provided with the trusses delivery package or online @ sbcindustry.com	COMTECH ROOF & FLOOR TRUSSES & BEAMS
JOB NAME	STRICKLAND GARAGE	ADDRESS	38 WILLOWCROFT COURT		
PLAN	35X35	MODEL	FLOOR	Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached tables (derived from the prescriptive Code requirements) to determine the minimum knee/sidewall size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for all reactions that exceed 15000# specified in the attached tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#	Reilly Road Industrial Park Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444
SEAL DATE	Seal Date	DATE REV.	04/30/24		
QUOTE #	B0424-2524	DRAWN BY	Michael Turner		
JOB #	J0424-2524	SALES REP.	Paul Hawkins	Signature: Michael Turner Michael Turner	

Job	Truss	Truss Type	Qty	Ply	STRICKLAND GARAGE
B0424-2524	F200	FLOOR	15	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Apr 30 16:23:37 2024 Page 1
ID:inYZOo9XTQdAUiAfNqTg_EzLZQc-yLnDZDXOZeMFgs2SImsxK8YK63gPIykU9HsvUqzLUcq

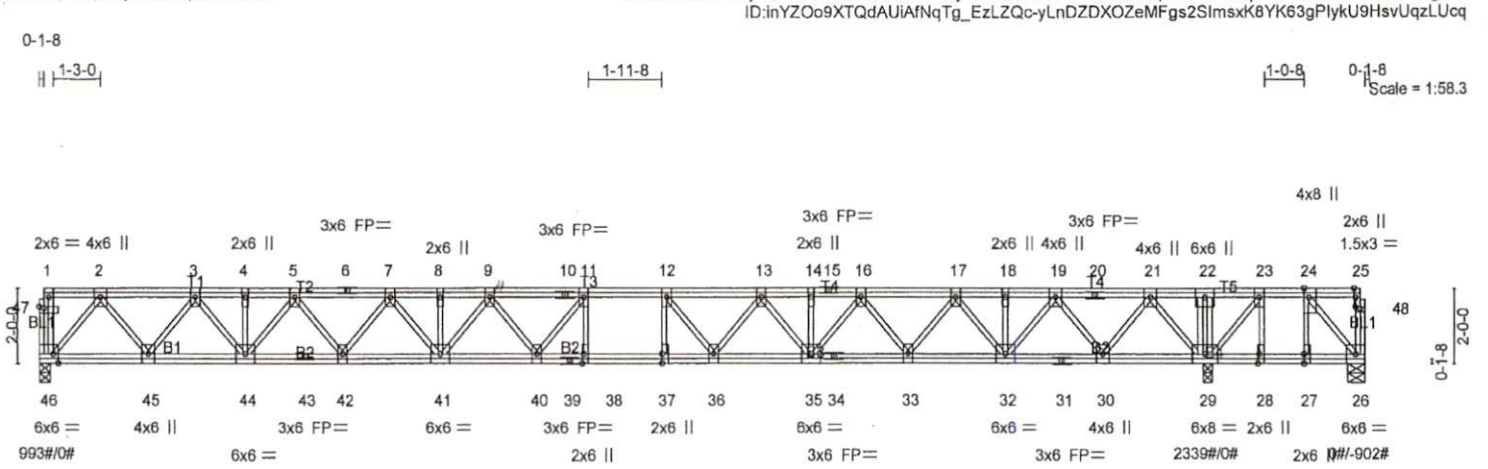


Plate Offsets (X,Y)-- [24:0-3-0,Edge], [25:0-3-0,Edge], [27:0-3-0,0-0-0], [28:0-3-0,Edge], [37:0-3-0,0-0-0], [38:0-3-0,Edge], [46:0-1-8,Edge], [47:0-1-8,0-0-7], [48:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.25	38	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.34	38	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.05	29	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 313 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 46=0-3-8 (min. 0-1-8), 26=0-5-8 (min. 0-1-8), 29=0-3-0 (min. 0-1-8)
Max Uplift26=-902(LC 3)
Max Grav46=993(LC 10), 29=2339(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-48=-252/0, 25-48=-252/0, 2-3=-1363/0, 3-4=-2405/0, 4-5=-2405/0, 5-6=-3150/0, 6-7=-3150/0, 7-8=-3640/0, 8-9=-3640/0, 9-10=-3835/0, 10-11=-3835/0, 11-12=-3796/0, 12-13=-3512/0, 13-14=-2955/0, 14-15=-2955/0, 15-16=-2955/0, 16-17=-2095/0, 17-18=-990/0, 18-19=-990/0, 19-20=0/442, 20-21=0/442, 21-22=0/2189, 22-23=0/2189, 23-24=0/1034
BOT CHORD 45-46=0/786, 44-45=0/1926, 43-44=0/2841, 42-43=0/2841, 41-42=0/3445, 40-41=0/3812, 39-40=0/3796, 38-39=0/3796, 37-38=0/3796, 36-37=0/3796, 35-36=0/3280, 34-35=0/2568, 33-34=0/2568, 32-33=0/1611, 31-32=-3/378, 30-31=-3/378, 29-30=-1195/0, 28-29=-1034/0, 27-28=-1034/0, 26-27=-1022/0
WEBS 2-46=-1236/0, 2-45=0/993, 3-45=-970/0, 3-44=0/798, 5-44=-727/0, 5-42=0/531, 7-42=-508/0, 7-41=0/325, 21-29=-1573/0, 21-30=0/1296, 19-30=-1274/0, 19-32=0/1109, 17-32=-1037/0, 17-33=0/835, 16-33=-816/0, 16-35=0/646, 13-35=-544/0, 13-36=0/506, 12-36=-680/0, 9-41=-287/0, 9-40=-145/262, 11-40=-313/349, 11-38=-275/111, 12-37=-92/293, 24-26=0/1601, 23-29=-1843/0, 23-28=0/629, 24-27=-548/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 902 lb uplift at joint 26.
5) 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.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	STRICKLAND GARAGE
B0424-2524	F201	FLOOR	11	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Apr 30 16:23:38 2024 Page 1
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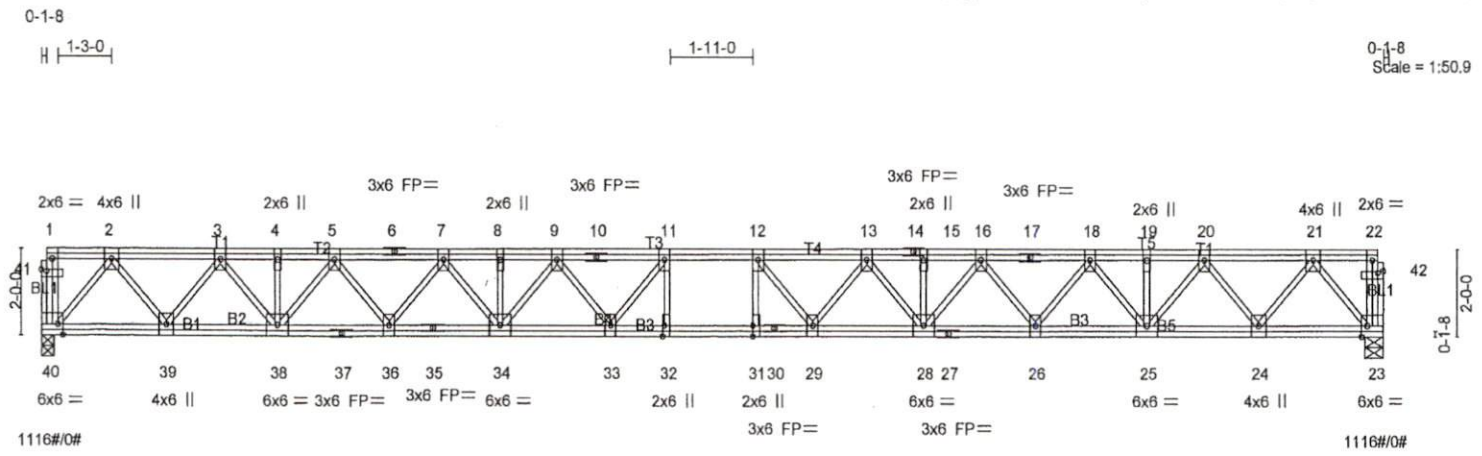

30-11-0
30-11-0

Plate Offsets (X,Y)-- [23:0-1-8,Edge], [31:0-3-0,0-0-0], [32:0-3-0,Edge], [40:0-1-8,Edge], [41:0-1-8,0-0-7], [42:0-1-8,0-0-7]

LOADING (psf)	SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC	0.15	Vert(LL)	-0.31	31-32	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.43	31-32	>860	360		
BCLL 0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.07	23	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 274 lb	FT = 20%F, 11%E

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

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

REACTIONS. (size) 23=0-5-0 (min. 0-1-8), 40=0-3-8 (min. 0-1-8)
Max Grav 23=1116(LC 1), 40=1116(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1550/0, 3-4=-2770/0, 4-5=-2770/0, 5-6=-3693/0, 6-7=-3693/0, 7-8=-4366/0, 8-9=-4366/0, 9-10=-4739/0, 10-11=-4739/0, 11-12=-4860/0, 12-13=-4739/0, 13-14=-4366/0, 14-15=-4366/0, 15-16=-4366/0, 16-17=-3693/0, 17-18=-3693/0, 18-19=-2770/0, 19-20=-2770/0, 20-21=-1550/0
BOT CHORD 39-40=0/886, 38-39=0/2200, 37-38=0/3298, 36-37=0/3298, 35-36=0/4076, 34-35=0/4076, 33-34=0/4613, 32-33=0/4860, 31-32=0/4860, 30-31=0/4860, 29-30=0/4860, 28-29=0/4613, 27-28=0/4076, 26-27=0/4076, 25-26=0/3298, 24-25=0/2200, 23-24=0/886
WEBS 21-23=-1394/0, 21-24=0/1143, 20-24=-1119/0, 20-25=0/950, 18-25=-879/0, 18-26=0/680, 16-26=-659/0, 16-28=0/483, 2-40=-1394/0, 2-39=0/1143, 3-39=-1119/0, 3-38=0/950, 5-38=-879/0, 5-36=0/680, 7-36=-659/0, 7-34=0/483, 9-34=-413/0, 9-33=-39/396, 11-33=-513/187, 13-28=-413/0, 13-29=-39/396, 12-29=-513/187

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) 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.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	STRICKLAND GARAGE
B0424-2524	K200	Floor Supported Gable	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Apr 30 16:23:39 2024 Page 1
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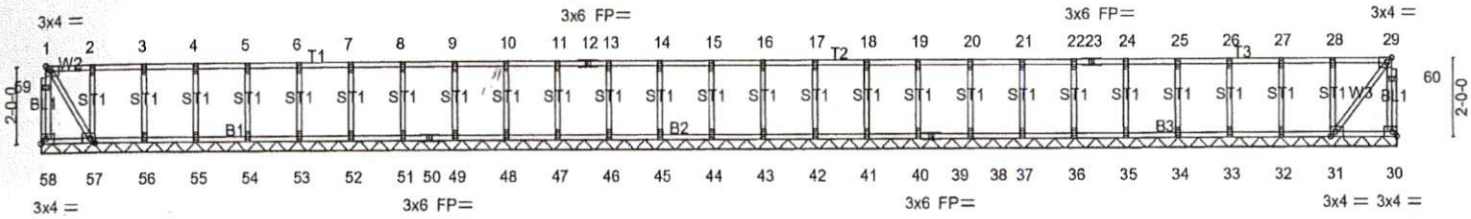
0-1-8

0-1-8

Scale = 1:57.0



35-0-0
35-0-0

Plate Offsets (X,Y)– [29:0-1-8,Edge], [31:0-1-8,Edge], [57:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	31	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 185 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 57-58,30-31.

REACTIONS. All bearings 35-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 58, 30, 57, 56, 55, 54, 53, 52, 51, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 38, 37, 36, 35, 34, 33, 32, 31

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
6) 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.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard