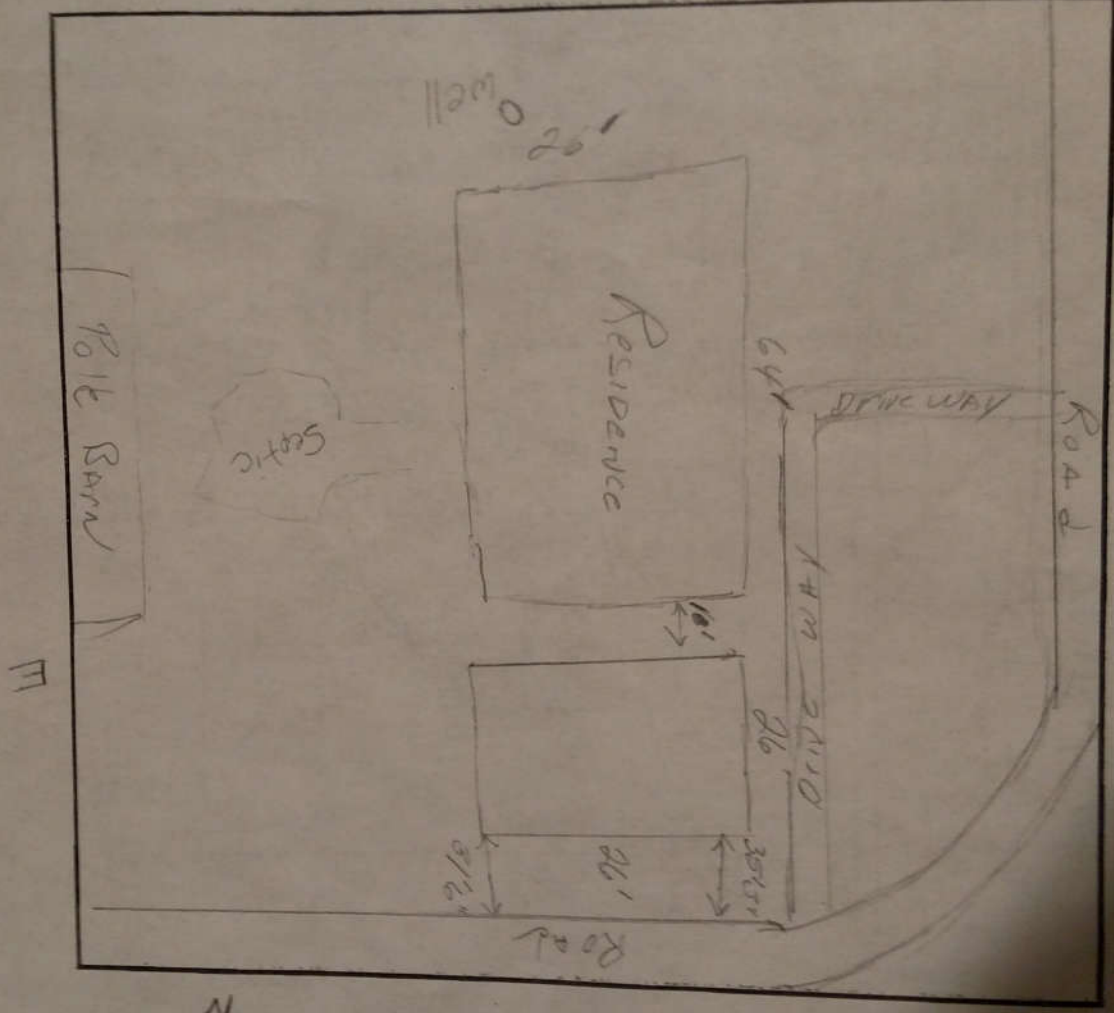
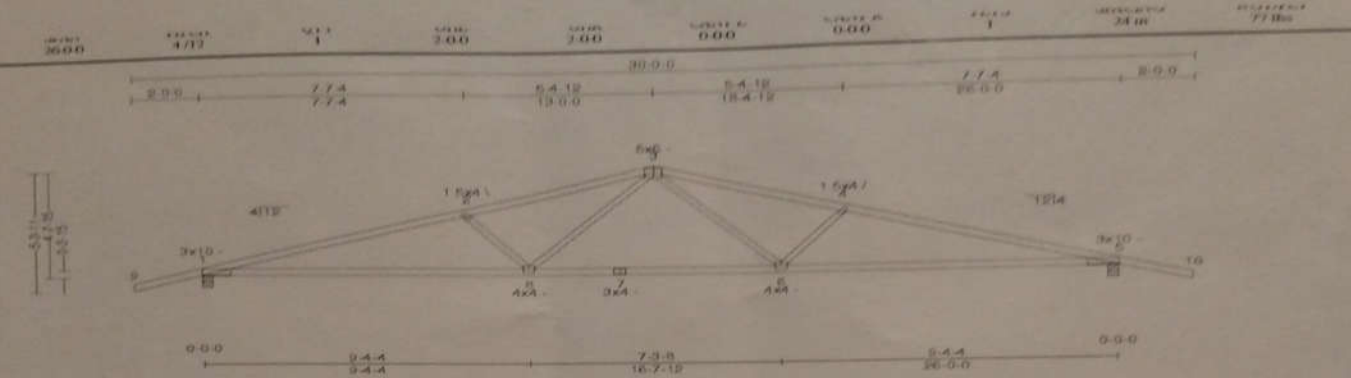


AITKIN COUNTY BUILDING PERMIT SITE PLAN

Please indicate the location of: Wells, well setback to system components, buildings, septic system components, reserved septic system area, property lines, waterways, and buried lines. Include size, length, and appropriate distances from fixed reference points. Provide a North directional arrow!





All plans shown to be Eagle 30 unless otherwise noted.

Loading (psf)	General	CSI Summary	Deflection	L/	(loc)	Allowed
TOTL: 40	Ridge Code: DRC 301.5	TC: 0.89 (1-2)	Max TL: 0.56 in	L/ 547	(3-0)	L/ 180
Spec: Pdg: 4290	Reg. Mfr Increase: Yes	BC: 0.86 (5-0)	Max LL: 0.3 in	L/ 999	(5-0)	L/ 240
TOTL: 10	Lumber D.O.L.: 115.96	Web: 0.72 (3-8)	Max TL: 0.12 in		5	
BC: 0						
BC: 10						

RT	Br. Config	Br. Width	Roof Br. Width	Max React	Max Grav Up/Dr	Max MWPRS Up/Dr	Max Ch/C Up/Dr	Max Up/Dr	Max Horiz
1		3.5 in	2.85 in	1,820 lbs	-	-291 lbs	-291 lbs	-291 lbs	7 lbs
2		3.5 in	2.85 in	1,820 lbs	-	-291 lbs	-291 lbs	-291 lbs	-7 lbs

Material Summary
TC: SPP 16501.5 2 x 4
BC: SPP 16501.5 2 x 4
Web: SPP Stud 2 x 3

Bracing Summary
TC Bracing: Bleated
BC Bracing: Bleated or Purlin at 10'-0", Purlin design by Others

Loads Summary
1) This truss has been designed for the effects of balanced and unbalanced snow loads for hip/gables in accordance with ASCE 7-10 with the following user defined input: 60 psf ground snow load, Service Category B, Exposure Category Fully Exposed (Ce = 0.9), Risk Category II (I = 1.00), Thermal Condition Cold ventilated (Cl = 1.1), DCL = 1.15. Unbraced. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
2) This truss has been designed to account for the effects of ice dams forming at the eaves.
3) This truss has been designed for the effects of wind loads in accordance with ASCE 7-10 with the following user defined input: 115 mph (Fastest 3, Exposure B, Enclosed, Gable/Hip, Risk Category II, Overall Hdg Class 25 ft x 50 ft, low 15 ft, End Zone Truss, Both roof webs considered, DCL=1.99)
4) Minimum storage attic loading has been applied in accordance with DRC 301.5

Member Forces Summary

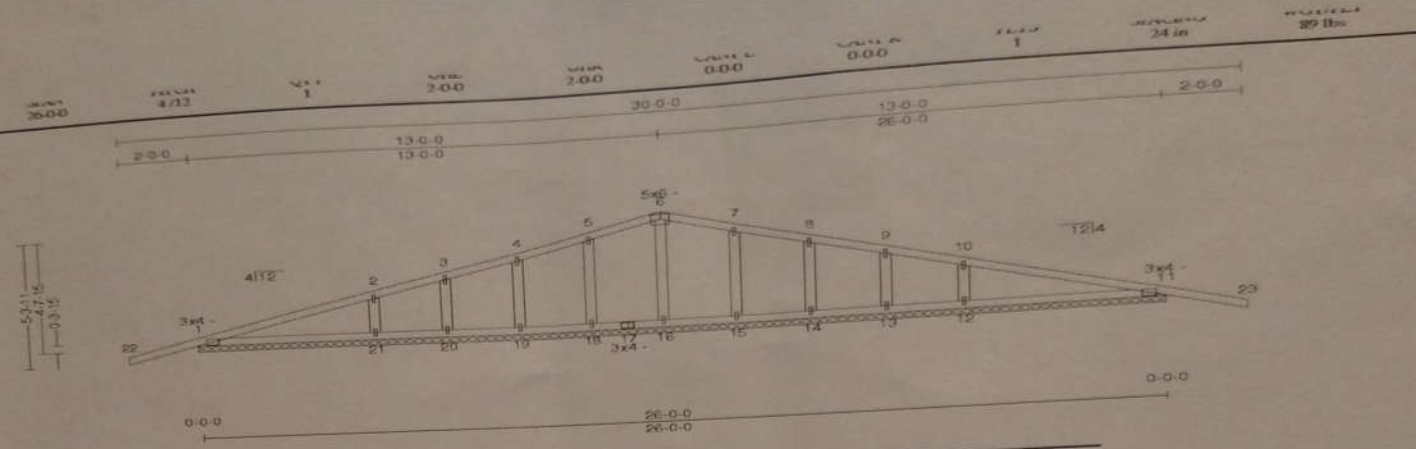
TC	1-2	0.844	-1,144 lbs	3-4	0.743	-1,303 lbs	4-5	0.844	-1,348 lbs	1-40	0.81	0.880	1,458 lbs	1-50	0.81	1,458 lbs		
BC	1-2	0.743	-1,303 lbs	4-5	0.844	-1,348 lbs	1-40	0.81	0.880	1,458 lbs <td>1-50</td> <td>0.81</td> <td>1,458 lbs </td>	1-50	0.81	1,458 lbs					
Web	1-4	0.184	-463 lbs	3-4	0.723	1,198 lbs	1-40 <td>0.723</td> <th>1,198 lbs</th> <td>1-45 <td>0.723</td> <th>1,198 lbs</th> <td>1-45 <td>0.723</td> <th>1,198 lbs</th> <td>4-6</td> <td>0.304</td> <th>603 lbs</th> </td></td>	0.723	1,198 lbs	1-45 <td>0.723</td> <th>1,198 lbs</th> <td>1-45 <td>0.723</td> <th>1,198 lbs</th> <td>4-6</td> <td>0.304</td> <th>603 lbs</th> </td>	0.723	1,198 lbs	1-45 <td>0.723</td> <th>1,198 lbs</th> <td>4-6</td> <td>0.304</td> <th>603 lbs</th>	0.723	1,198 lbs	4-6	0.304	603 lbs

JSI Summary
1 = 0.89, 2 = 0.92, 3 = 0.72, 4 = 0.63, 5 = 0.89, 6 = 0.89, 7 = 0.99, and 8 = 0.89

- Notes**
- 1) Unless noted otherwise, do not cut or alter any truss members or plate without prior approval from a Professional Engineer.
 - 2) When this truss has been shown for quality assurance inspection, the Double Polygon Method per TPI 1/200/Chapter 3 should be used.
 - 3) The fabrication tolerance for this roof truss is 0.06" (Cl = 1.00).
 - 4) House terms used with approved detailing to purlin per Bracing Summary.
 - 5) Check has been conducted in the analysis of this truss.
 - 6) Listed wind uplift reactions based on MWPRS & CBC loading.

ALL PERIODS, PARTS, MATERIALS, DIMENSIONS, SPECIFICATIONS OR INSTALLING ANY TRUSS BASED UPON THIS TRUSS DESIGN DRAWING ARE RESTRICTED TO BE USED FOR THE PROJECT AND FOR THE SPECIFIC CONDITIONS SET FORTH IN THE SINGLE METAL FABRICATOR'S DESIGN NOTES (SEE SET) WITH THIS DESIGN AND AVAILABLE FROM SOURCE UPON REQUEST ONLY. THIS IS VALID ONLY WHEN SINGLE METAL CONNECTORS ARE USED.

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Eagle Metal Products
P.O. Box 707000



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI Summary	Deflection	L/	(loc)	Allowed
TUCLL: 40	TRC 2012	TC: 0.77 (11-23)	Vert TL: 0.02 in	L/999	(11-12)	L/180
SWCLL: 4260	TPI 1-2007	BC: 0.18 (21-3)	Vert LL: 0 in	L/999	12	L/240
TUCLL: 0	Rep Mbr increase: No	Web: 0.10 (10-12)	Horz TL: 0 in			
BCCLL: 0	Lumber DCL: 113%					
BTCLL: 10						

Reaction Summary			Bracing Summary		
Brz. Contntr	Brz. Wall	Max. React	Max. Cray Upflift	Max. C&C Upflift	Max. Upflift
		533 lbs	3 lbs	147 lbs	147 lbs
		151 psf			

Material Summary		Bracing Summary	
TC	BC	TC Bracing	BC Bracing
SFF #2 2 x 4	SFF #2 2 x 4	Sheathed or Parlin at 6-3-0, Parlin design by Others	Sheathed or Parlin at 10-0-0, Parlin design by Others
Web	SFF Stud 2 x 4		

- Loads Summary**
- This truss has been designed for the effects of balanced and unbalanced snow loads for hip/gables in accordance with ASCE 7-10 with the following user defined input: 60 psf ground snow load, Terrain Category II, Exposure Category Fully Exposed (Ce = 0.9), Risk Category II (I = 1.00), Thermal Condition Cold ventilated (Ct = 1.5), DCL = 1.15. Ventilated. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
 - This truss has been designed to account for the effects of ice dams forming at the eaves.
 - This truss has been designed for the effects of wind loads in accordance with ASCE 7-10 with the following user defined input: 115 mph (Pasture), Exposure B, Enclosed, Gable/Hip, Risk Category II, Overall Blg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered, DCL = 1.60.

Member Forces Summary Table includes columns for Member ID, Max C&C max axial force, Max Cray Upflift, Max C&C Upflift, Max Upflift, and Max Horiz. Values are provided for members 10-11 and 11-12.

JSI Summary
1 = 0.48, 2 = 1.75, 3 = 0.55, 4 = 0.55, 5 = 0.55, 6 = 0.25, 7 = 0.55, 8 = 0.55, 9 = 0.55, 10 = 0.76, 11 = 0.48, 12 = 0.79, 13 = 0.57, 14 = 0.57, 15 = 0.57, 16 = 0.57, 17 = 0.37, 18 = 0.57, 19 = 0.57, 20 = 0.57, and 21 = 0.79

- Notes**
- Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
 - Gable rafters terminate bottom chord bearing.
 - Gable webs placed at 24" O.C. U.N.C.
 - Attach gable webs with 1x2 Dgs plates, U.N.C.
 - Bracing plates in for in place requirements. For out-of-place requirements, refer to BCSI-EE3 published by the ICCA.
 - When this truss has been altered for quality assurance purposes, the Double Polygon Method per TPI 1-2007 Chapter 3 shall be used.
 - The fabrication tolerance for this roof truss is 10% (Cq = 0.90).
 - Creep has been considered in the analysis of this truss.
 - Live load uplift reactions based on MWFRS & C&C loading.