

MATERIAL SPECIFICATIONS

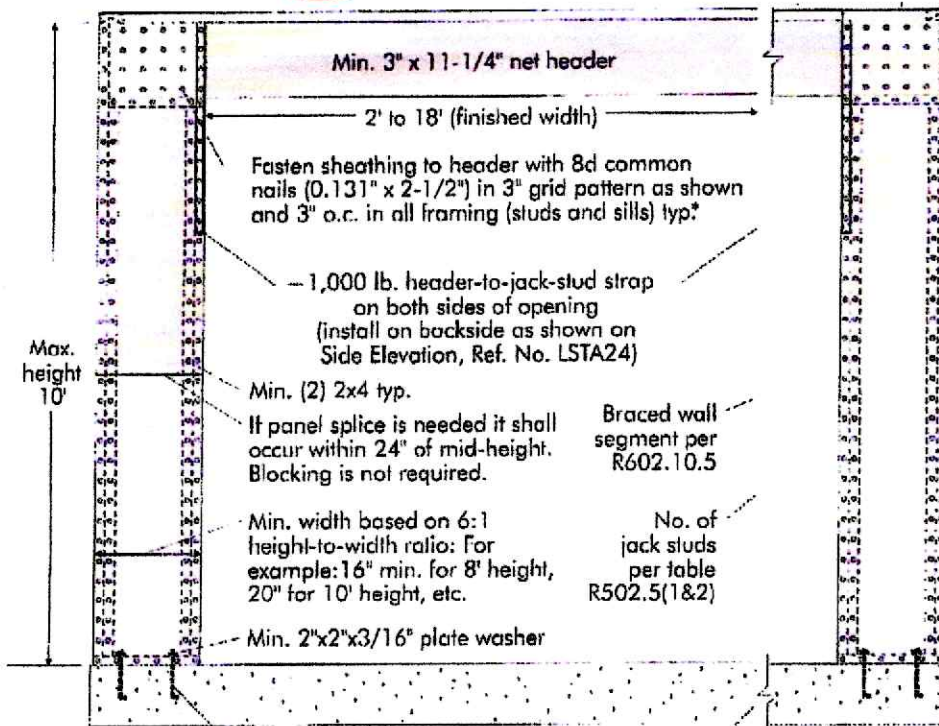
1/2024

Coach House Garages

Studs	2 x 6 spaced 16" O.C.
Corner Bracing	Steel T-Bracing or 7/16" O.S.B.
Corners	Double studded (House corners)
Trusses	Engineered Truss system utilizing #1 Southern Yellow Pine Lumber throughout the entire truss, built in our facility in Arthur, IL 30# L.L. Roof <i>SEE ATTACHED ENGINEERED TRUSS DIAGRAM</i>
Felt	Synthetic Underlayment
Shingles	30 Year Architectural Shake Shingles
Roof Sheathing	1/2" 32/16 APA rated O.S.B.
Wall Sheathing	7/16" O.S.B.
House Wrap	High Quality Durable House Wrap
Windows	4' wide x 2' high, vinyl frame, insulated glass, lock, screen
Service Doors	6'-8" tall prefinished white steel with compression seal weather seal, heavy duty aluminum sill with adjustable saddle and maintenance free composite frame and brick mould. Service doors come in widths of 2'8", 3'0" or a 6' double door.
Overhead Doors	CHI Overhead Doors or Kevmar Manufacturing; prepainted steel with lifetime paint warranty
Overhead Door Casing	2 x 6 wrapped with .023 ga. prepainted aluminum
Overhangs	.024 ga. aluminum fascia over .019 ga. aluminum soffit, 8" gables overhang, 16" eaves overhang
Siding	Vinyl in 4" & 5", in white & various colors, and 8" in white only with a lifetime warranty, .042 thickness (Multiple other Options available)
Anchor Bolts	1/2" x 10" wedgit anchor bolts spaced every 64" O.C. or 1/2" as per your local municipality requirements
Header	All Headers are sized & spec'ed to meet or exceed your local building ordinances

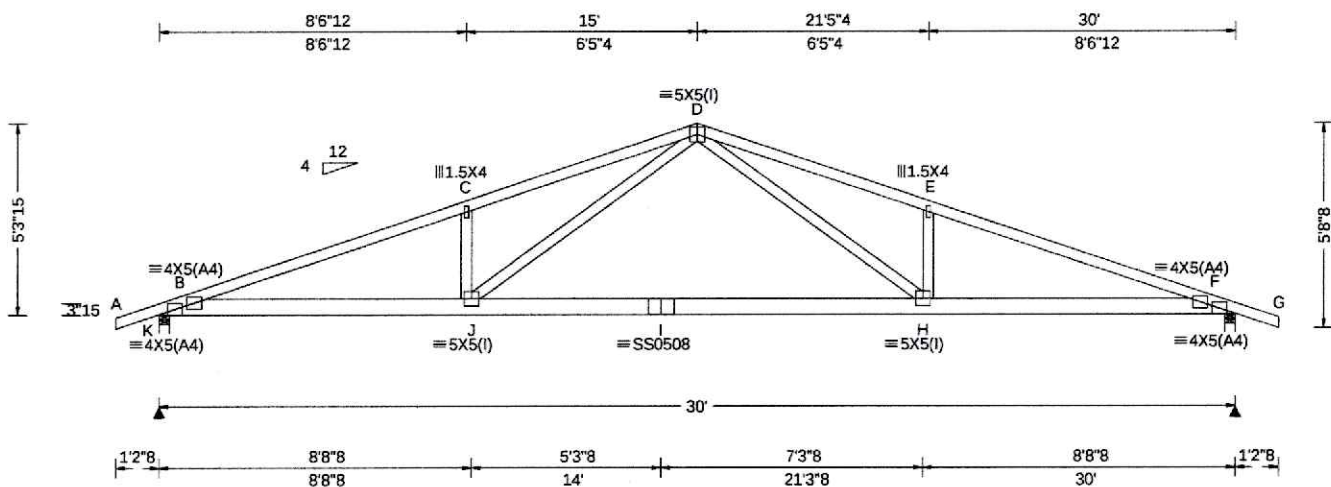
Specifications subject to change.

Overhead Garage Door Wall Bracing Details



IRC, R602.10.1 & R602.10.3-6

Type 1 If attached to Fully Sheathed Dwellings
or for Detached Garages



Loading Criteria (psf) TCCL: 30.00 TCDL: 10.00 BCLL: 20.00 BCDL: 10.00 Des Ld: 70.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 115 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 0.0 psf BCDL: 0.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	Snow Criteria (Pg,Pf in PSF) Pg: 30.0 Ct: 1.1 CAT: II Pf: 23.1 Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.317 J 999 240 VERT(CL): 0.448 J 796 180 HORZ(LL): 0.068 C - - HORZ(TL): 0.096 C - - Creep Factor: 2.0 Max TC CSI: 0.741 Max BC CSI: 0.712 Max Web CSI: 0.621 VIEW Ver: 18.02.01A.0205.20	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>R-</th> <th>Rh</th> <th>Rw</th> <th>U</th> <th>RL</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>2219</td> <td>-</td> <td>-</td> <td>1725</td> <td>1442</td> <td>1101</td> </tr> <tr> <td>F</td> <td>2219</td> <td>-</td> <td>-</td> <td>1725</td> <td>1442</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS K Brg Width = 3.5 Min Req = 1.8 F Brg Width = 3.5 Min Req = 1.8 Bearings K & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - C</td> <td>1397 - 5168</td> <td>D - E</td> <td>1478 - 5128</td> </tr> <tr> <td>C - D</td> <td>1501 - 5129</td> <td>E - F</td> <td>1402 - 5167</td> </tr> </tbody> </table> </p>	Loc	Gravity			Non-Gravity			R+	R-	Rh	Rw	U	RL	K	2219	-	-	1725	1442	1101	F	2219	-	-	1725	1442	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	1397 - 5168	D - E	1478 - 5128	C - D	1501 - 5129	E - F	1402 - 5167
Loc	Gravity			Non-Gravity																																							
	R+	R-	Rh	Rw	U	RL																																					
K	2219	-	-	1725	1442	1101																																					
F	2219	-	-	1725	1442	-																																					
Chords	Tens.Comp.	Chords	Tens. Comp.																																								
B - C	1397 - 5168	D - E	1478 - 5128																																								
C - D	1501 - 5129	E - F	1402 - 5167																																								

Lumber
 Top chord: 2x4 SP 2400f-2.0E;
 Bot chord: 2x6 SP 2400f-2.0E;
 Webs: 2x4 SP #1;

Plating Notes
 (I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Purlins
 In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	120	0.15	29.85

 Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading
 Bottom chord checked for 10.00 psf non-concurrent live load.
 Truss designed for unbalanced snow loads.

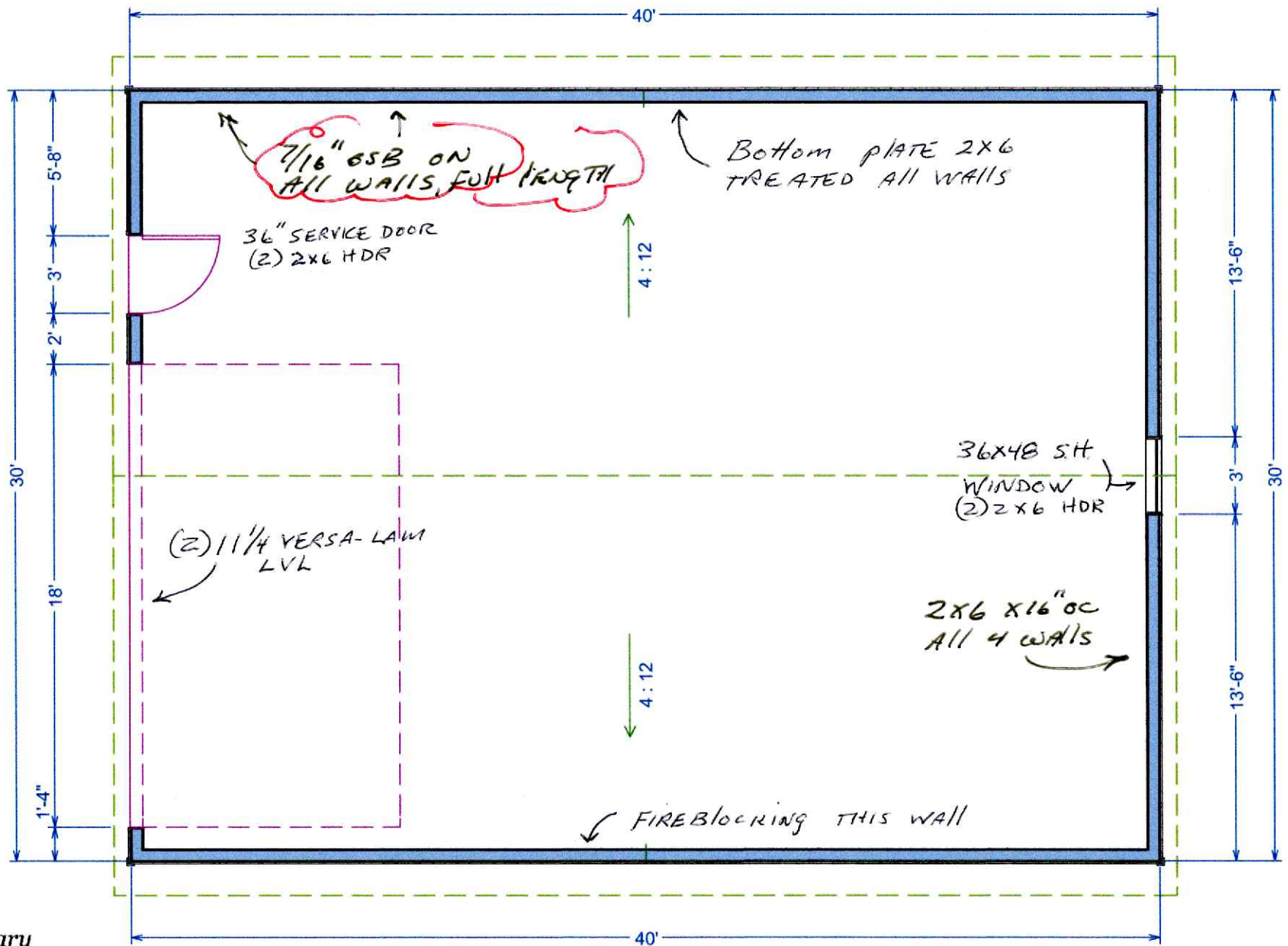
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



Expires 11/30/2024
 IL COA #184-004373
 03/01/2024

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. Refer to job's General Notes page for additional information.
 Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
 For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org





Matt Crary

Sheet #

1

Scale: 3/16"=1'

Date: 3/18/2024

Drawing By:
Coach House Garages



700 Mill St.
Arthur IL 61911
Phone-217-543-3761
FAX-217-543-3350



18' 8 1/2"

Matt Crary

Sheet #

2

Scale: 1/4"=1'

Date: 3/18/2024

Drawing By:

Coach House Garages

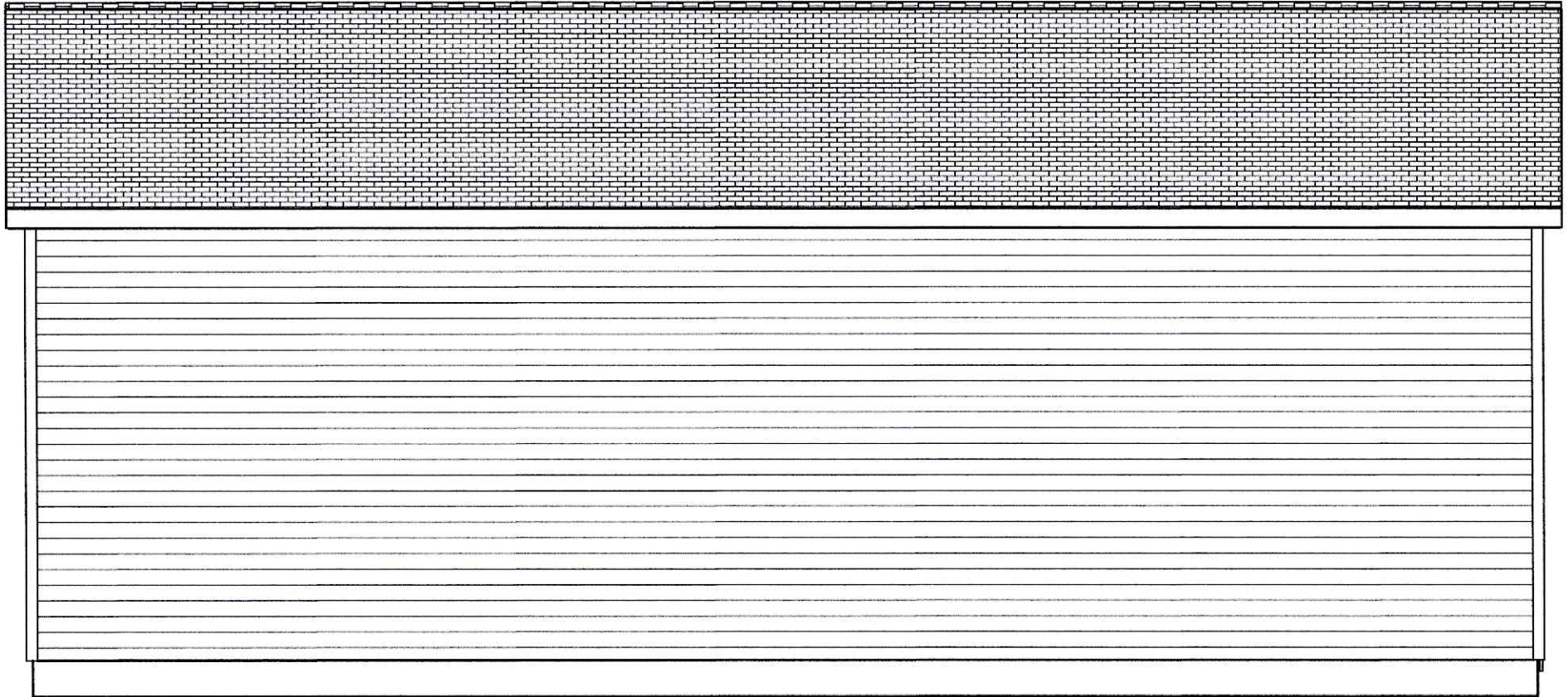


700 Mill St.

Arthur IL 61911

Phone-217-543-3761

FAX-217-543-3350



Matt Crary

Sheet #

3

Scale: 1/4"=1'

Date: 3/18/2024

Drawing By:
Coach House Garages

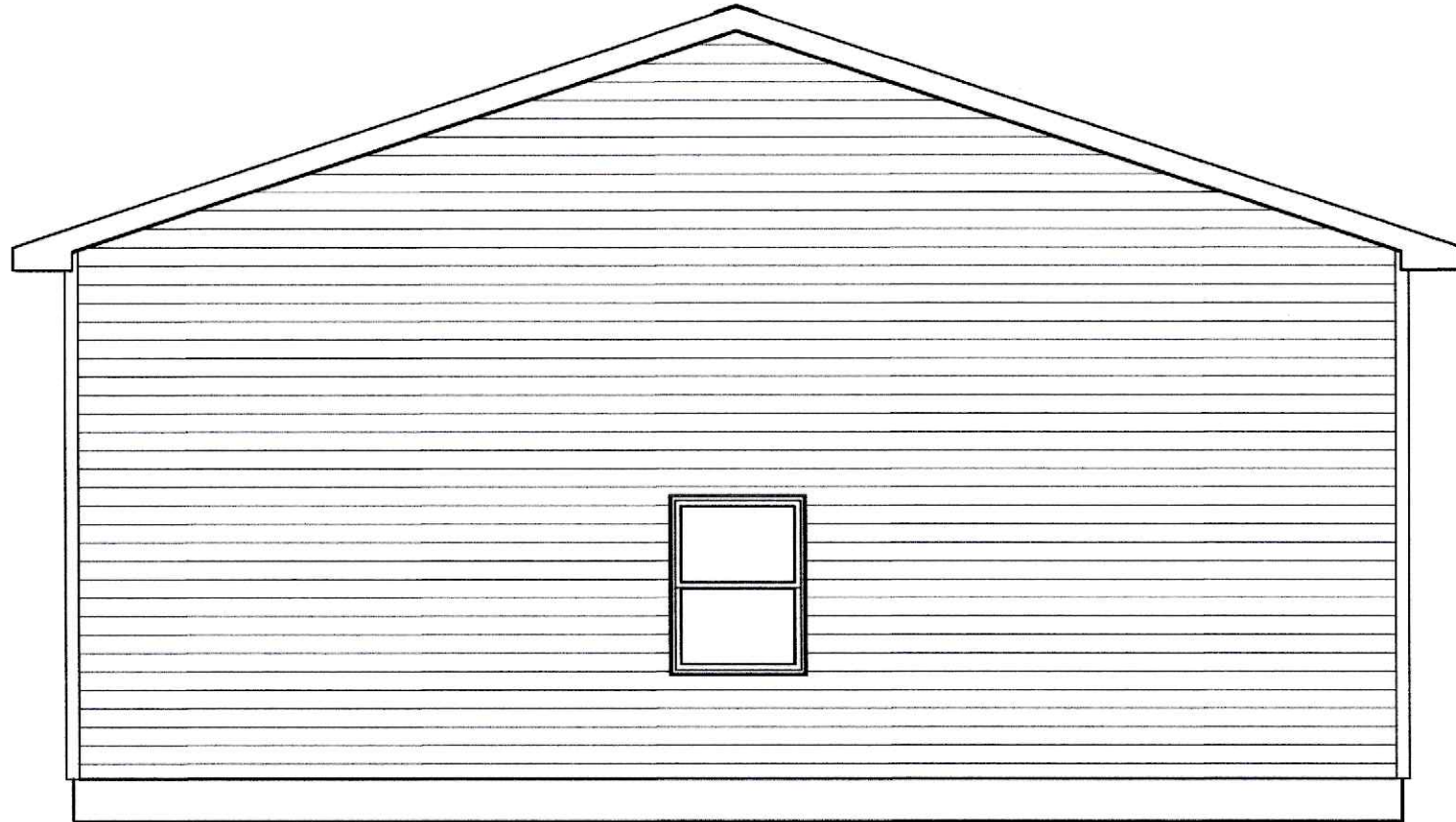


700 Mill St.

Arthur IL 61911

Phone-217-543-3761

FAX-217-543-3350



Matt Crary

Sheet #

4

Scale: 1/4"=1'

Date: 3/18/2024

Drawing By:

Coach House Garages

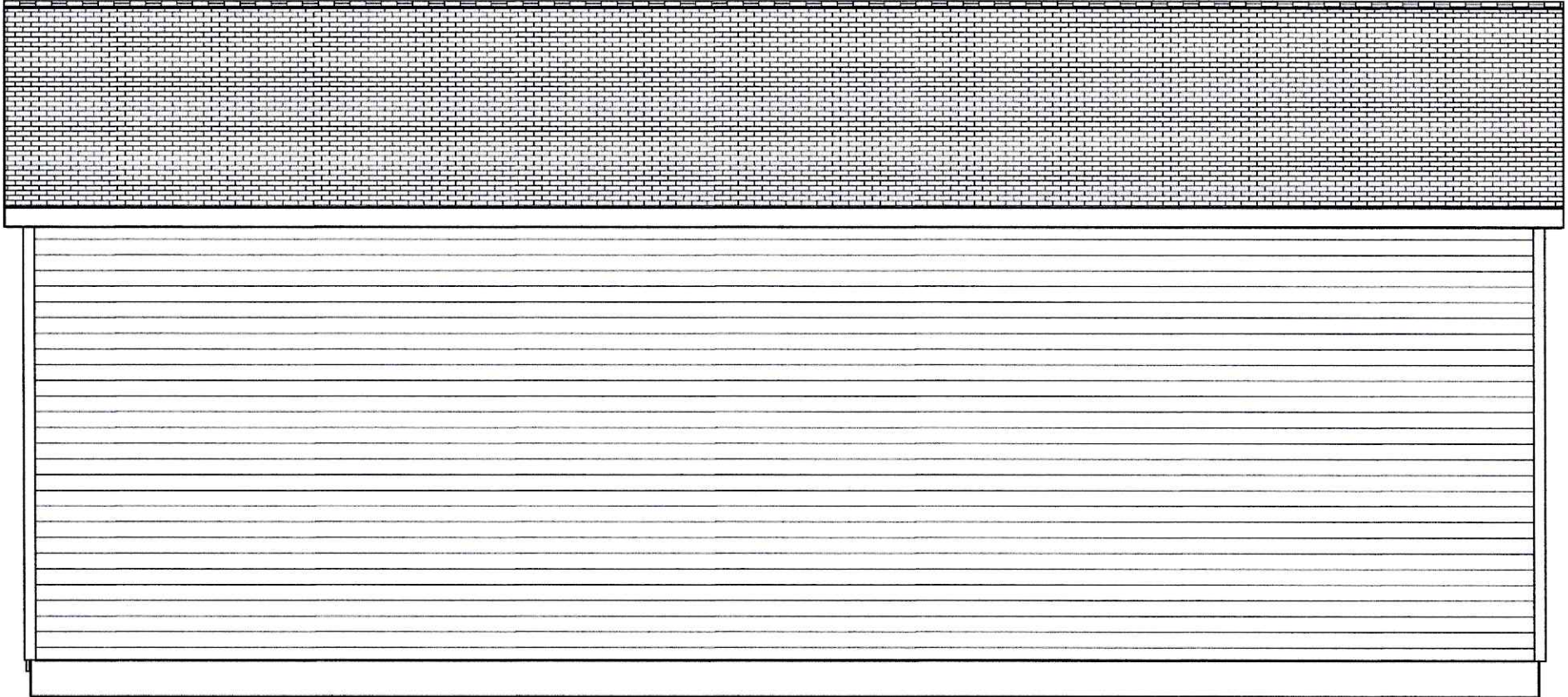


700 Mill St.

Arthur IL 61911

Phone-217-543-3761

FAX-217-543-3350



Matt Crary

Sheet #

5

Scale: 1/4"=1'

Date: 3/18/2024

Drawing By:
Coach House Garages

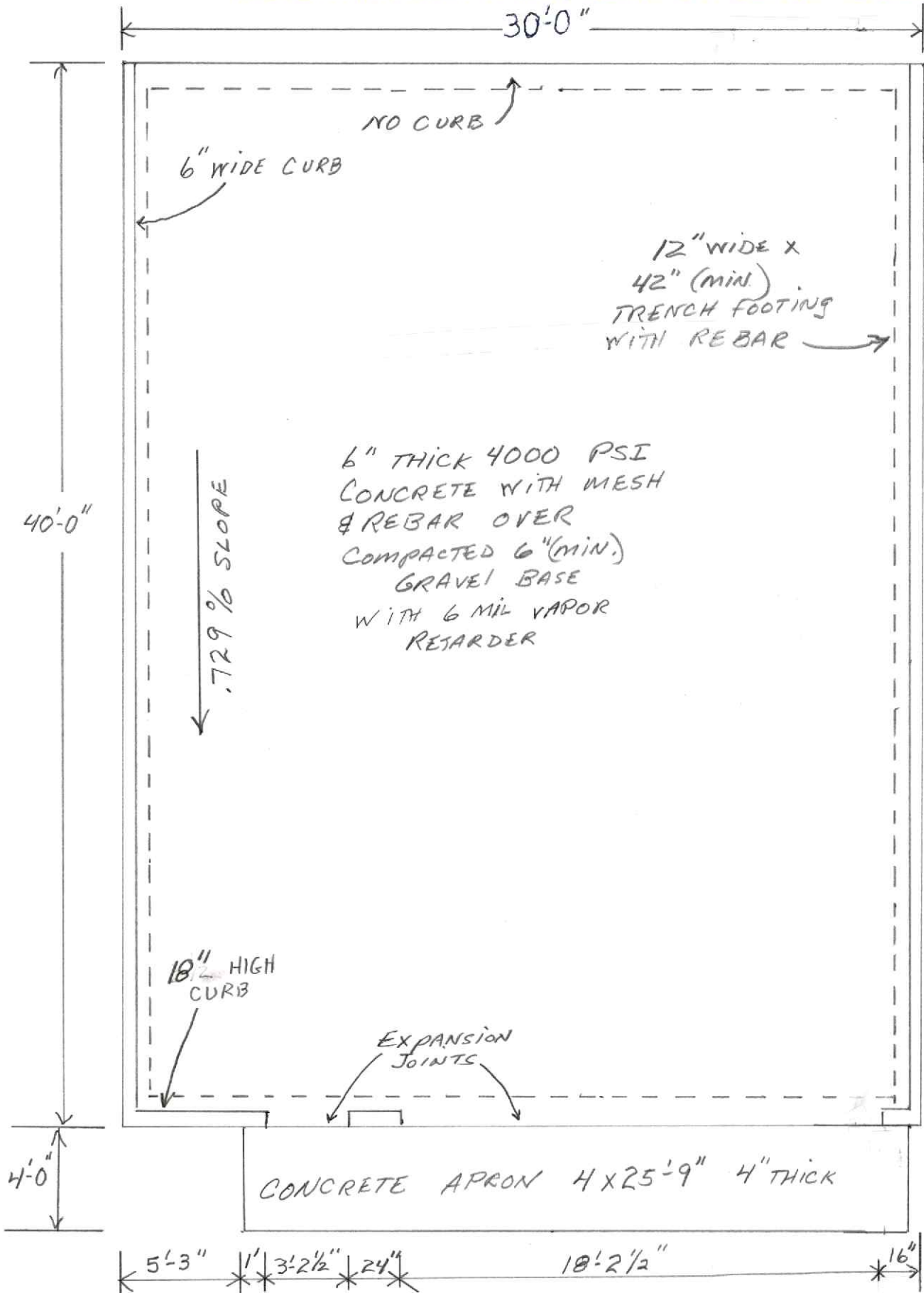


700 Mill St.
Arthur IL 61911
Phone-217-543-3761
FAX-217-543-3350



Coach House Garages

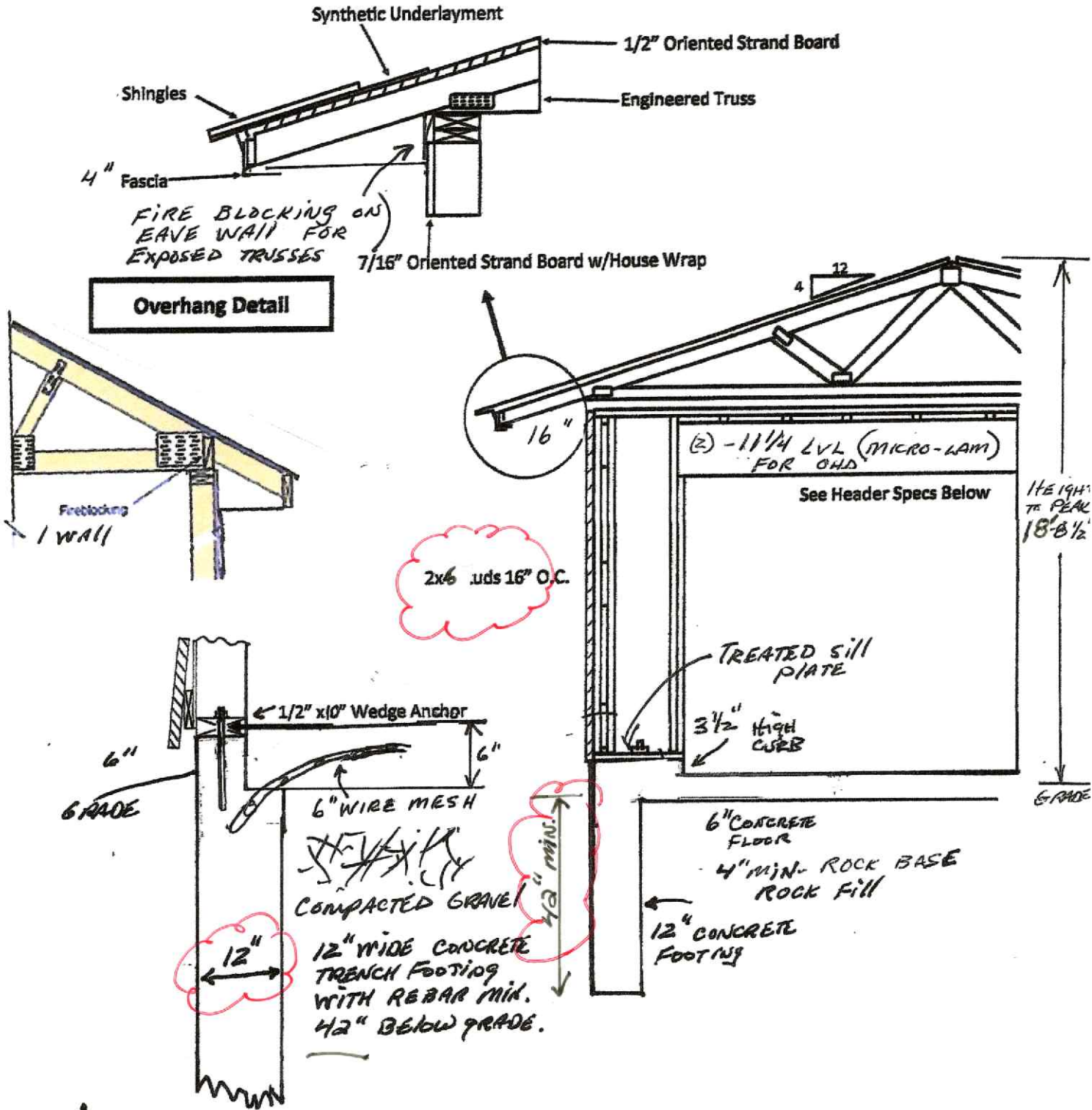
MORE THAN JUST A GARAGE...IT'S A COACH HOUSE




SCALE
3/16" = 1'

FOUNDATION PLAN FOR:
MATT CRARY
1141 BASSWOOD DR.
NAPERVILLE, IL
60540

CROSS SECTION VIEW



 **Coach House Garages**
 MORE THAN JUST A GARAGE...IT'S A COACH HOUSE