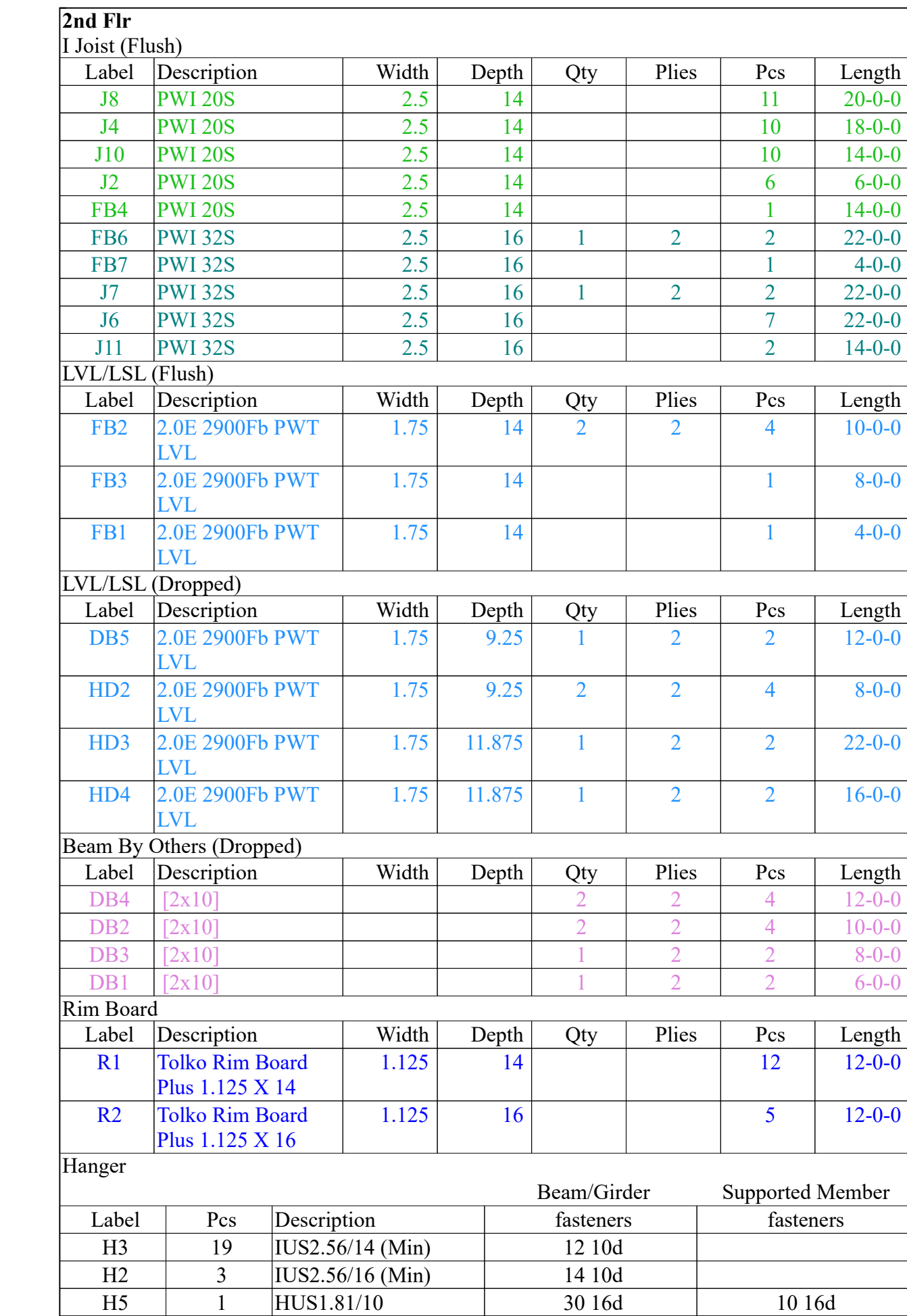


Structural floor plan for a 2nd floor garage. The plan shows a grid of joists (J10, J8, J4, J2, J7, J11) and trusses (R1, R2). Key details include:

- Joists:** (9) J10 x 14' @ 24", (3) J8 x 20' @ 24", (7) J8 x 20' @ 24", (10) J4 x 18' @ 19.2", (4) J2 x 6' @ 24", (4) J6 x 22' @ 24", (2) J11.
- Trusses:** R1, R2, HD2 (2 ply), HD3 (2 ply), DB1 (2 ply), DB2 (2 ply), DB3 (2 ply), DB4 (2 ply), DB5 (2 ply), FB1 (1 ply), FB2 (2 ply), FB3 (1 ply), FB4 (1 ply), FB6 (2 ply), FB7 (1 ply).
- Dimensions:** 6' (vertical), 7'4" (vertical), 7'8" (horizontal), 2'2" (horizontal), 3' x 6" (horizontal), 12" (horizontal).
- Notes:**
 - 10" round field cut holes
 - Web stiffeners (detail W1)
 - Confirm location of tub plumbing, shift joist up to 3" to avoid conflict.
 - use joist cut offs as blocking here
 - Shift this joist as needed for mech.
 - Drop garage to match 16" joist
 - Trusses by others
 - Start Framing Here
 - Start Layout 24" O.C.



Dealer 84 Lumber-Fayetteville #2307
Dealer Address 620 Belt Road Fayetteville, NC 28301 (910) 867-9185
Project CL3281-GR CP 3C-35 WW
Created January 21, 2020
Layout Name CL3281-GR CP 3C-35 WW
Description Caviness Land CL3281-GR CP 3C-35 WW
Designer Kyle Militzer
Revised November 15, 2024

2nd Flr	
Design Method	ASD (USA)
Building Code	IRC 2021
Floor	
Loads	
Live	40
Dead	10
Deflection Joist	
LL Span L/	480
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Deflection Flush Girder	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Deflection Dropped Girder	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Deflection Header	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Decking	
Decking	OSB
	23/32 APA Rated Sturd-
	I-Floor
Fastener	Nailed & Glued

(QTY) MARK x LENGTH @ O.C. SPACING

This Material Take Off is provided as an estimate of material needed for the referenced project. It is based on information provided and standard building and construction assumptions. The Take Off is provided without representation or warranty of any kind and is in no way guaranteed to reflect the exact quantity or types of material necessary to complete the project. The customer/builder and/or the architect/engineer are responsible for reviewing and verifying the listed materials based on the way they plan to construct the project. Actual material required to complete the project may be more or less than what is reflected in the Take Off, and any shortages or overages are the sole responsibility of the customer/builder and/or the architect/engineer.



<https://www.uslumber.com/engineered-lumber/lp-solidstart#RESOURCES>

- This guide is not intended for product selection, and assumes that all components and details have been correctly specified.
- Consult the PWT1 Joist & U/L brochures, technical guides, installation guide, or contact your PWT products distributor for assistance.
- All rim joists, blocking, connections, and temporary bracing must be installed before workers are allowed on the structure.
- No loads other than the weight of the workers are to be imposed on the structure before it is permanently sheathed.
- After sheathing, do not overload joists with construction materials exceeding design loads.
- PWT Untreated products (Joists and U/Ls) must be used under dry, covered and well-ventilated interior conditions in which the equilibrated moisture content in lumber is less than 16% (U/L) or the average equilibrium moisture content (MEC) of lumber is 15% or less over a year and does not exceed 19% at any time (JO).

Product Substitution Warning
FAILURE may result if this product is substituted with other brands or products. This analysis is for PACIFIC WOODTECH products only. US Lumber will not be held responsible if other brands are substituted.