

**RIDGEWOOD CAROLINA / CUSTOM**  
 FRONT ELEVATION  
 10' CEILING HEIGHTS - F.F.O.

6" FRIEZE BOARD & 6" CORNERS ON FRONT OF HOME ONLY


NOTE:  
 CONTINUOUS RIDGE VENTS  
 ALL ROOF RIDGES



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

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

01/09/2023


See Notes on plans  
 REV1 04/25/2023 B.S.

DATE: 12/20/2022  
 SCALE: 1/8" = 1'-0"  
 DRAWN BY: SG  
 DWS:

SQUARE FOOTAGES (4096)  
 BASEMENT: 2574  
 1ST FL: 2574  
 2ND FL: 2574  
 OPEN SPACE: 384  
 GARAGE: 414  
 PORCH: 316

CUSTOM BUILT FOR:  
 TRAVIS & SPARKLE BASS  
 JOB #: DUTOO 022 OTT  
 CN #: 34100  
 VN #: BA282  
 LOCATION: 2184 WIRE RD  
 BUNNLEVEL, NC, 28323  
 COUNTY: HARNETT

Raleigh/Durham, NC  
 182 West Hamlin Road  
 Benson, NC 27504  
 (811) 261-3482  
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SCHUMACHER HOMES



**RIDGEWOOD CAROLINA / CUSTOM**  
 REAR ELEVATION  
 10' CEILING HEIGHT - F.F.O.

DRAIN BY: SG  
 DATE: 12/20/2022  
 SCALE: 1/8" = 1'-0"  
 DWG: 2

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SQUARE FOOTAGES (4096)  
 BASEMENT: 2574  
 1ST FL: 2574  
 2ND FL: 5274  
 OPEN SPACE: 384  
 GARAGE: 414  
 PORCH: 316

CUSTOM BUILT FOR:  
 TRAVIS & SPARKLE BASS  
 JOB #: DUTCO 022 0111 CN #: 34100 VN #: BA282  
 LOCATION: 2184 WIRE RD  
 BUNNLEVEL, NC, 28323  
 COUNTY: HARNETT


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**RIDGEWOOD CAROLINA / CUSTOM**  
 RIGHT ELEVATION  
 10' CEILING HEIGHT - F.F.O.

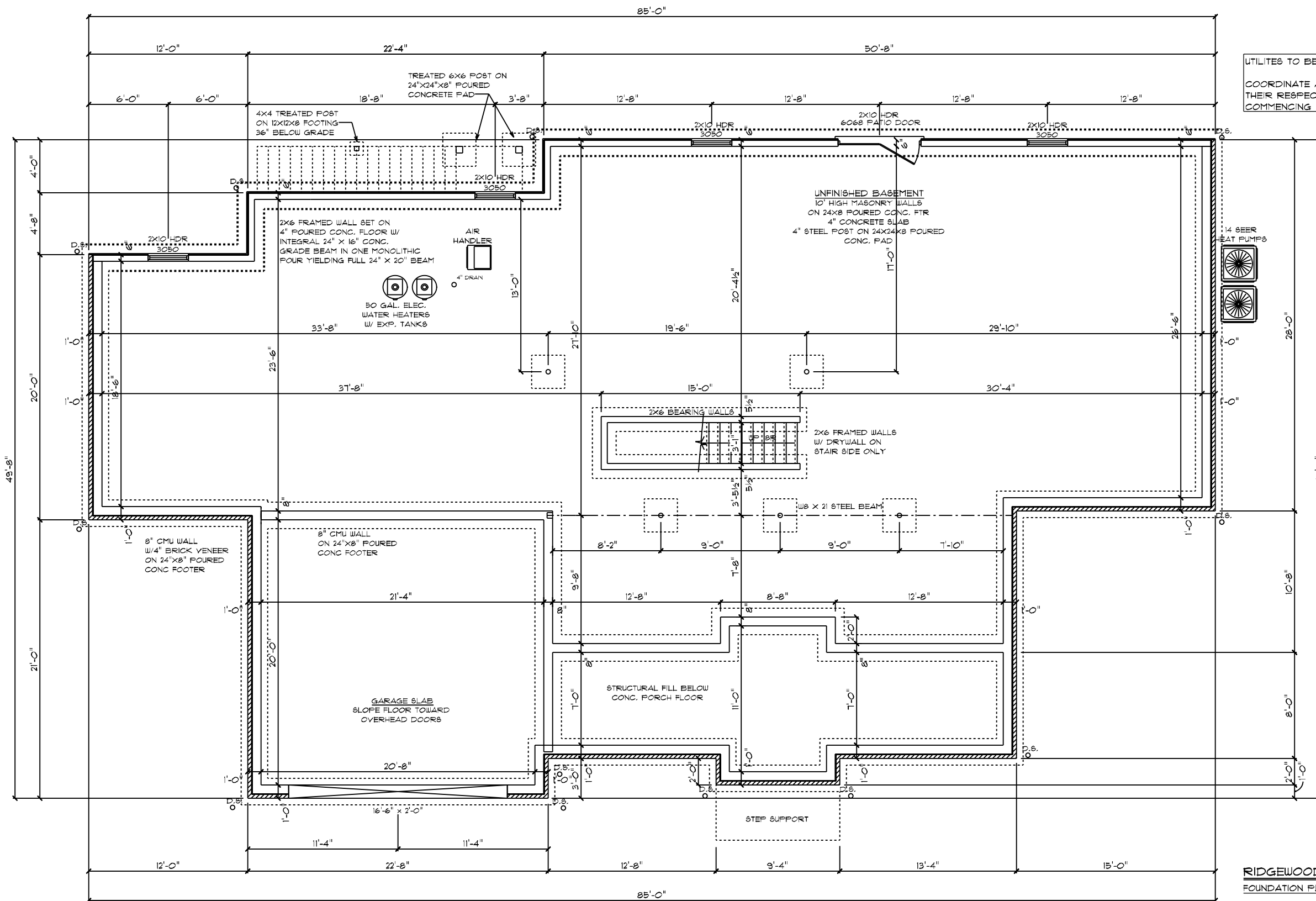


CUSTOM BUILT FOR: TRAVIS & SPARKLE BASS JOB #: DUTCO 022 OTT CN #: 34120 LOCATION: 2184 WIRE RD BUNNLEVEL, NC, 28323 COUNTY: HARNETT		SQUARE FOOTAGES (4096): BASEMENT: 2574 1ST FL: 2574 2ND FL: 2574 OPEN SPACE: 394 GARAGE: 414 PORCH: 96
DRAWN BY: SG	DATE: 12/20/2022	SCALE: 1/8" = 1'-0" 3
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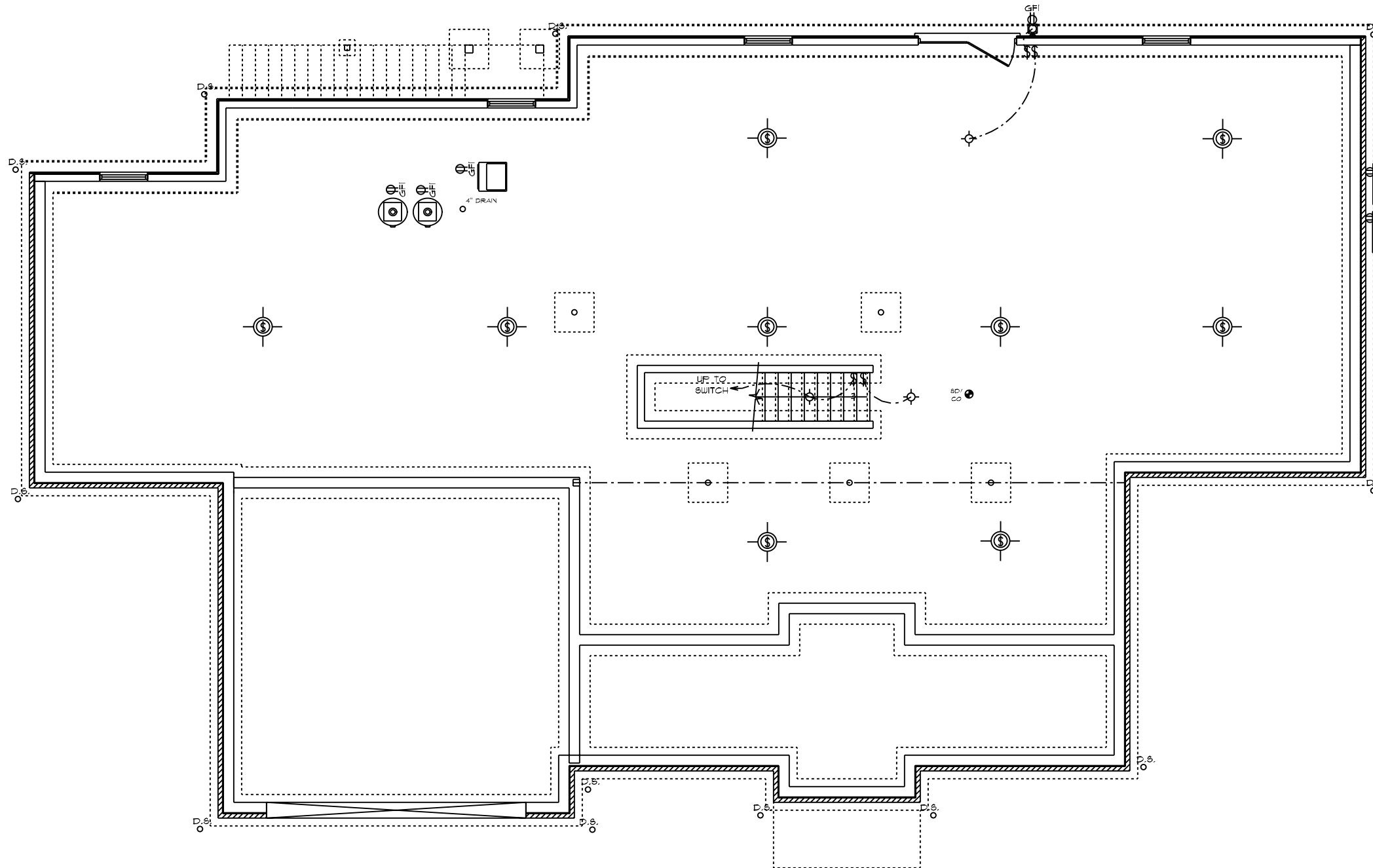


UTILITIES TO BE LOCATED ON-SITE  
 COORDINATE ALL UTILITY LOCATIONS WITH  
 THEIR RESPECTIVE TRADES PRIOR TO  
 COMMENCING ANY INSTALLATION WORK

Basement foundation shall be installed and reinforced in accordance with NCRC 2018 Chapter 4

RIDGEWOOD CAROLINA / CUSTOM  
 FOUNDATION PLAN

Dwg. 18" = 1'-0"  
 DATE: 12/20/2022  
 DRAIN BY: SG  
 SQUARE FOOTAGES (4096):  
 BASEMENT: 2574  
 1ST FL: 2874  
 2ND FL: 522  
 OPEN SPACE: 394  
 GARAGE: 414  
 PORCH: 36  
 CUSTOM BUILT FOR: TRAVIS & SPARKLE BASS  
 JOB #: DUTCO 022 OTT CN # 3420 VN # BA282  
 LOCATION: 2184 WIRE RD BUNNLEVEL, NC 28323 COUNTY: HARNETT  
 Raleigh/Durham, NC  
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**GENERAL ELECTRICAL NOTES:**

- (1) EXISTING SWITCH UPGRADED TO A 3-WAY SWITCH, (1) ADDITIONAL 3-WAY SWITCH AND (1) COACH LIGHT WIRED TO A STANDARD SWITCH ARE INCLUDED WHEN A GARAGE SERVICE DOOR IS PURCHASED
- (1) COACH LIGHT, (1) SWITCH, AND (1) GFI OUTLET ARE INCLUDED WHEN ANY ADDITIONAL DOOR IS PURCHASED, EXCLUDING THE GARAGE SERVICE DOOR
- ALL SMOKE DETECTORS TO BE INTERCONNECTED WITH BATTERY BACKUP
- E3902.11 ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
- \*GARAGE DOOR LOW VOLTAGE WIRING BY ELECTRICIAN
- \*TWO SEPARATE KITCHEN GENERAL ELECTRIC OUTLET CIRCUITS FED BY NUMBER 12 WIRE AND ON 20 AMP BREAKERS REQUIRED IN KITCHEN
- ALL OUTLETS INSTALLED IN BATHROOMS, GARAGES, & UNFINISHED BASEMENTS SHALL HAVE GFCI PROTECTIONS ALONG WITH OUTLETS LOCATED W/IN 6'-0" OF LAUNDRY, UTILITY & WET BAR SINKS & ALL OUTLETS SERVING KITCHEN COUNTERTOP SURFACES
- ALL OUTLETS TO BE PLACED PER CODE
- MOUNTING HEIGHTS
  - VANITY LIGHTS: 80" AFF
  - WALL SCONCES: 66" AFF
  - PENDANT LIGHTS: 66" AFF
  - CHANDELIER'S (TO BTM OF FIXTURE)
    - FOYER 9' CEILING: 84"
    - FOYER OVER 9' CLG: 90"
    - DINING ROOM: 60"

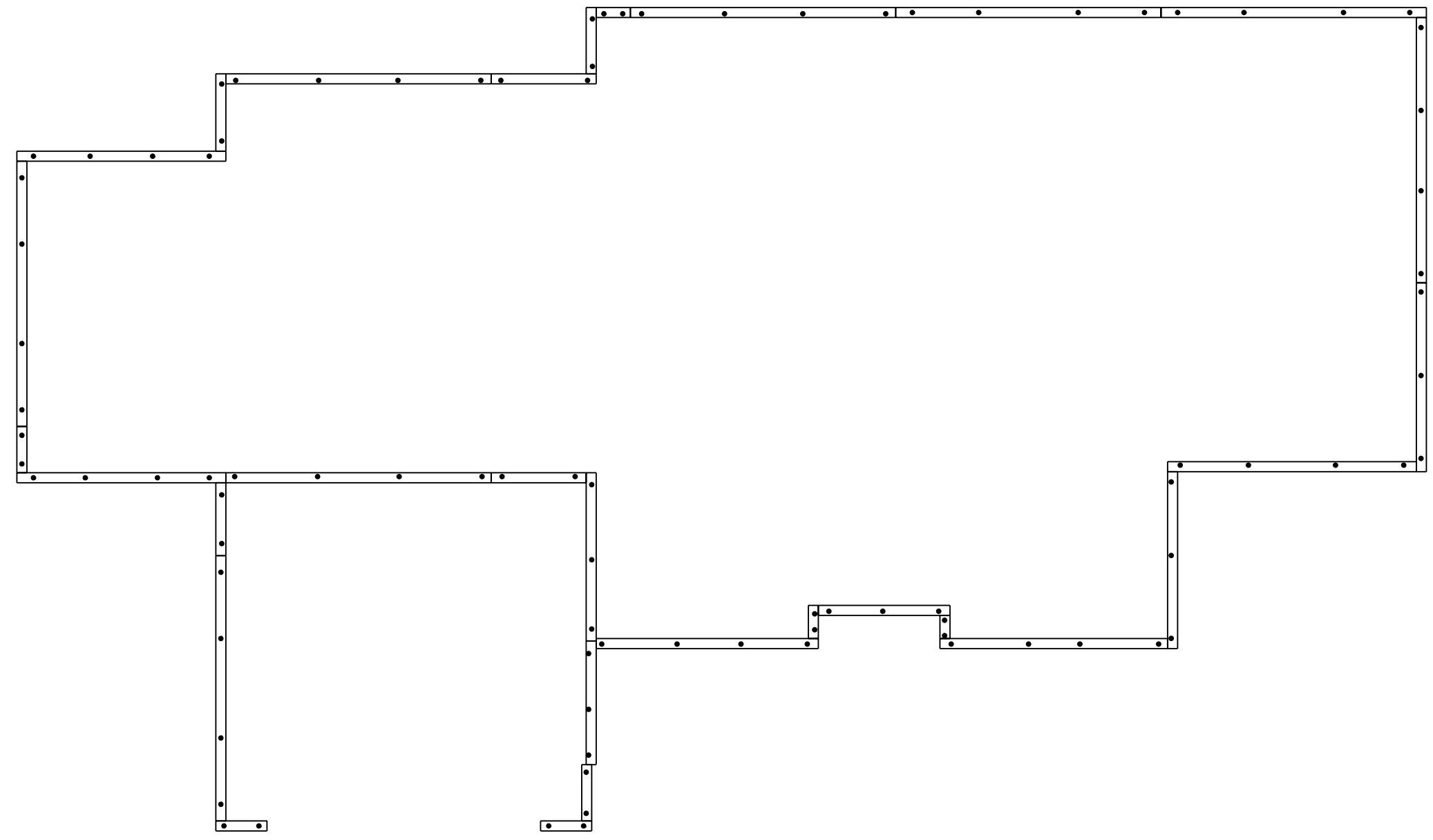
**ADDITIONAL ELECTRICAL NOTES:**

- \* CABLE & PHONE TO BE LOCATED AT ELECTRICAL WALK-THRU
- \* ADDIT'L MINI RECESSED LIGHTS TO BE LOCATED AT ELECTRICAL WALK-THRU
- \* INSTALL ALL BATHROOM LIGHT FIXTURES WITH GLOBES FACING DOWN

**RIDGEWOOD CAROLINA / CUSTOM**  
 FOUNDATION PLAN  
 ELECTRICAL PLAN


DATE: 12/20/2022	SCALE: 1/8" = 1'-0"	DRAWN BY: SG	DWG: 6
SQUARE FOOTAGES (4096) BASEMENT: 2574 1ST FL: 2574 2ND FL: 5274 OPEN SPACE: 384 GARAGE: 474 PORCH: 316			
CUSTOM BUILT FOR: TRAVIS & SPARKLE BASS JOB #: DUTCO 022 0111 LOCATION: 2184 WIRE RD BUNNLEVEL, NC 28323 COUNTY: HARNETT			
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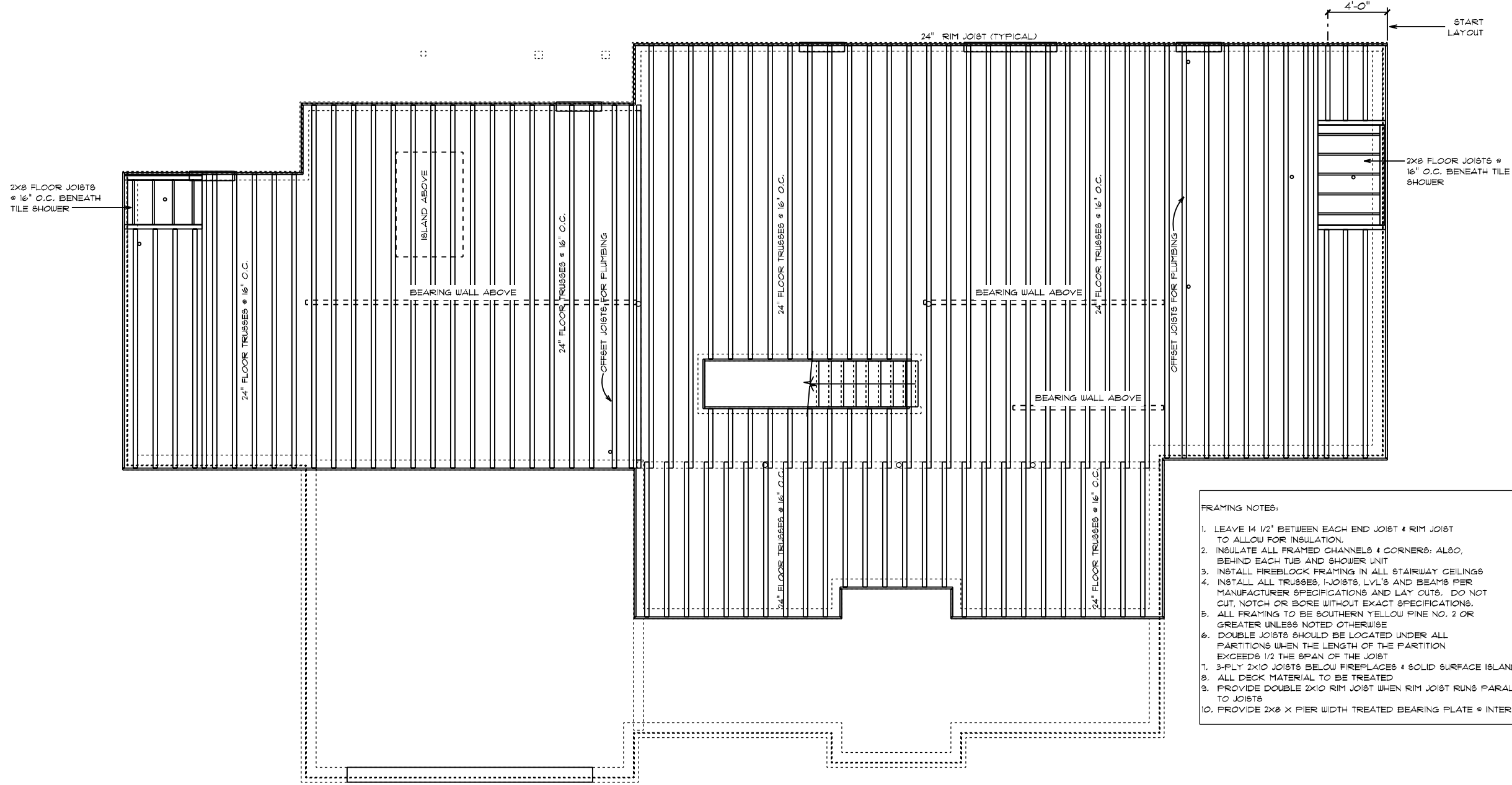
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**CONSTRUCTION NOTES:**  
 1. 2X8 TREATED SILL PLATE  
 2. 1/2" DIAM. X 18" L. ANCHOR BOLTS SHALL EXTEND A MINIMUM OF 1" INTO MASONRY OR CONCRETE AS REQUIRED BY CODE @ 6' O.C. AND 12" FROM ALL CORNERS (2 PER CORNER)  
 3. ANCHOR BOLTS TO BE LOCATED IN CENTER 1/3 OF SILL PLATE

RIDGEWOOD CAROLINA / CUSTOM  
 BOLT AND PLATE PLAN

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<p>CUSTOM BUILT FOR:</p> <p>TRAVIS &amp; SPARKLE BASS</p>		<p>JOB #: DUTCO 022 011</p>	
<p>LOCATION:</p> <p>2184 WIRE RD                  BUNNLEVEL, NC, 28323                  COUNTY: HARNETT</p>		<p>DATE: 12/20/2022</p>	
<p>SQUARE FOOTAGES (4096):</p> <p>BASEMENT: 2574                  1ST FL: 2814                  2ND FL: 522                  OPEN SPACE: 394                  GARAGE: 414                  PORCH: 36</p>		<p>SCALE: 1/8" = 1'-0"</p>	
<p>DRAWN BY: SG</p>		<p>DATE: 12/20/2022</p>	
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- FRAMING NOTES:**
1. LEAVE 1/2" BETWEEN EACH END JOIST & RIM JOIST TO ALLOW FOR INSULATION.
  2. INSULATE ALL FRAMED CHANNELS & CORNERS; ALSO, BEHIND EACH TUB AND SHOWER UNIT.
  3. INSTALL FIREBLOCK FRAMING IN ALL STAIRWAY CEILINGS.
  4. INSTALL ALL TRUSSES, I-JOISTS, LVL'S AND BEAMS PER MANUFACTURER SPECIFICATIONS AND LAY OUTS. DO NOT CUT, NOTCH OR BORE WITHOUT EXACT SPECIFICATIONS.
  5. ALL FRAMING TO BE SOUTHERN YELLOW PINE NO. 2 OR GREATER UNLESS NOTED OTHERWISE.
  6. DOUBLE JOISTS SHOULD BE LOCATED UNDER ALL PARTITIONS WHEN THE LENGTH OF THE PARTITION EXCEEDS 1/2 THE SPAN OF THE JOIST.
  7. 3-PLY 2X10 JOISTS BELOW FIREPLACES & SOLID SURFACE ISLANDS.
  8. ALL DECK MATERIAL TO BE TREATED.
  9. PROVIDE DOUBLE 2X10 RIM JOIST WHEN RIM JOIST RUNS PARALLEL TO JOISTS.
  10. PROVIDE 2X8 X PIER WIDTH TREATED BEARING PLATE @ INTERIOR PIERS.

RIDGEWOOD CAROLINA / CUSTOM  
 FIRST FLOOR JOIST PLAN

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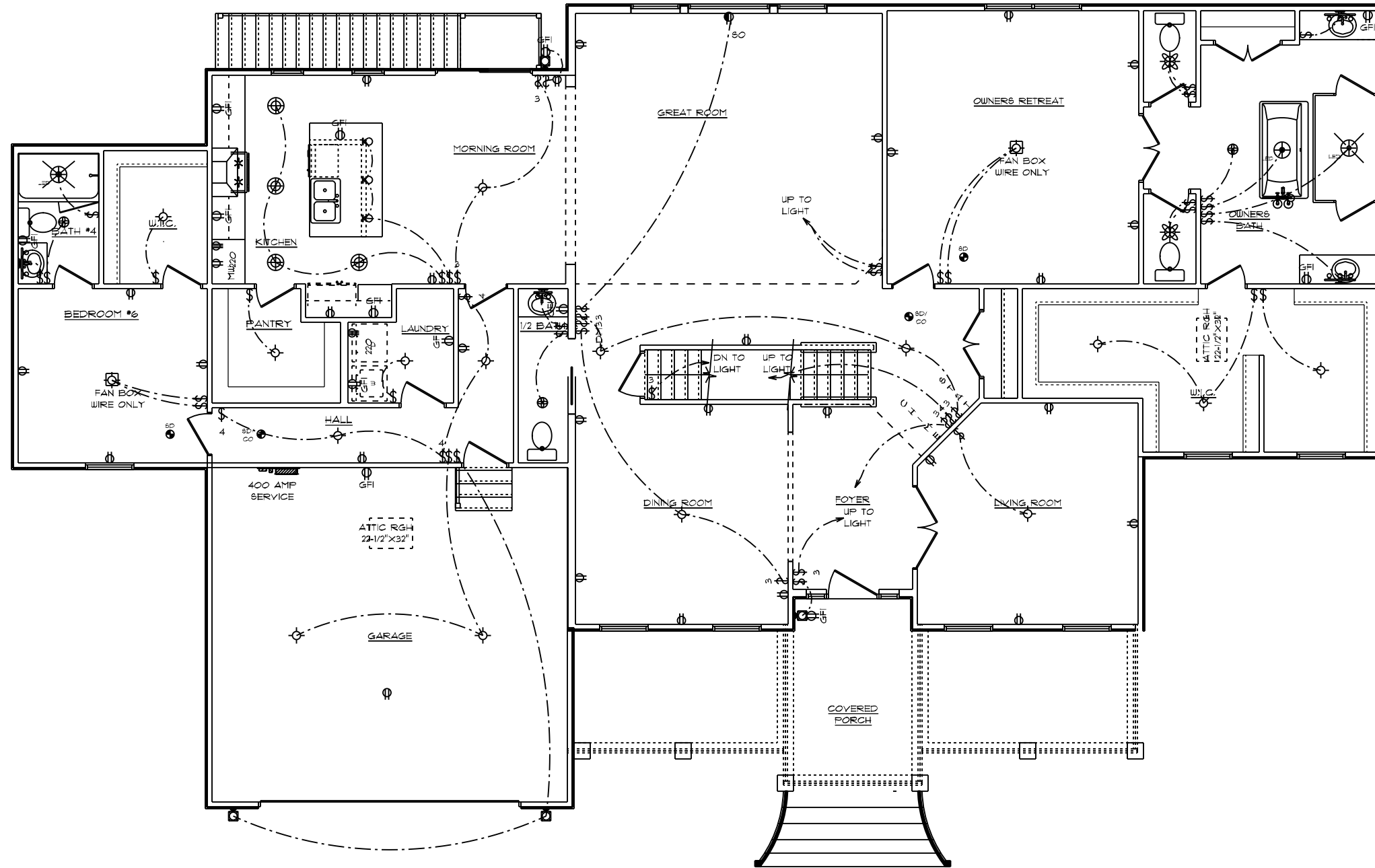
**CUSTOM BUILT FOR:**  
 TRAVIS & SPARKLE BASS  
 JOB #: DUTCO 022 0111 CN #: 34120  
 LOCATION: 2184 WIRE RD  
 BUNNLEVEL, NC, 28323  
 COUNTY: HARNETT

**SQUARE FOOTAGES (4096):**  
 BASEMENT: 2574  
 1ST FL: 2874  
 2ND FL: 522  
 OPEN SPACE: 394  
 GARAGE: 414  
 PORCH: 96

**DATE:** 12/20/2022  
**SCALE:** 1/8" = 1'-0"  
**DRAWN BY:** SG  
**DRUG:** 8

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- ALL OUTLETS TO BE PLACED PER CODE
- MOUNTING HEIGHTS
  - VANITY LIGHTS: 80" AFF
  - WALL SCONCES: 66" AFF
  - PENDANT LIGHTS: 66" AFF
  - CHANDELIERS (TO BTM OF FIXTURE)
    - FOYER 9' CEILING: 84"
    - FOYER OVER 9' CLG: 90"
    - DINING ROOM: 60"

**ADDITIONAL ELECTRICAL NOTES:**

- CABLE & PHONE TO BE LOCATED AT ELECTRICAL WALK-THRU
- ADDITIONAL MINI RECESSED LIGHTS TO BE LOCATED AT ELECTRICAL WALK-THRU
- (2) FLOOR OUTLETS IN GREAT ROOM TO BE LOCATED AT ELECTRICAL WALK-THRU
- INSTALL ALL BATHROOM LIGHT FIXTURES WITH GLOBES FACING DOWN

**RIDGEWOOD CAROLINA / CUSTOM**  
 FIRST FLOOR PLAN  
 10' CEILING HEIGHT  
 ELECTRICAL PLAN

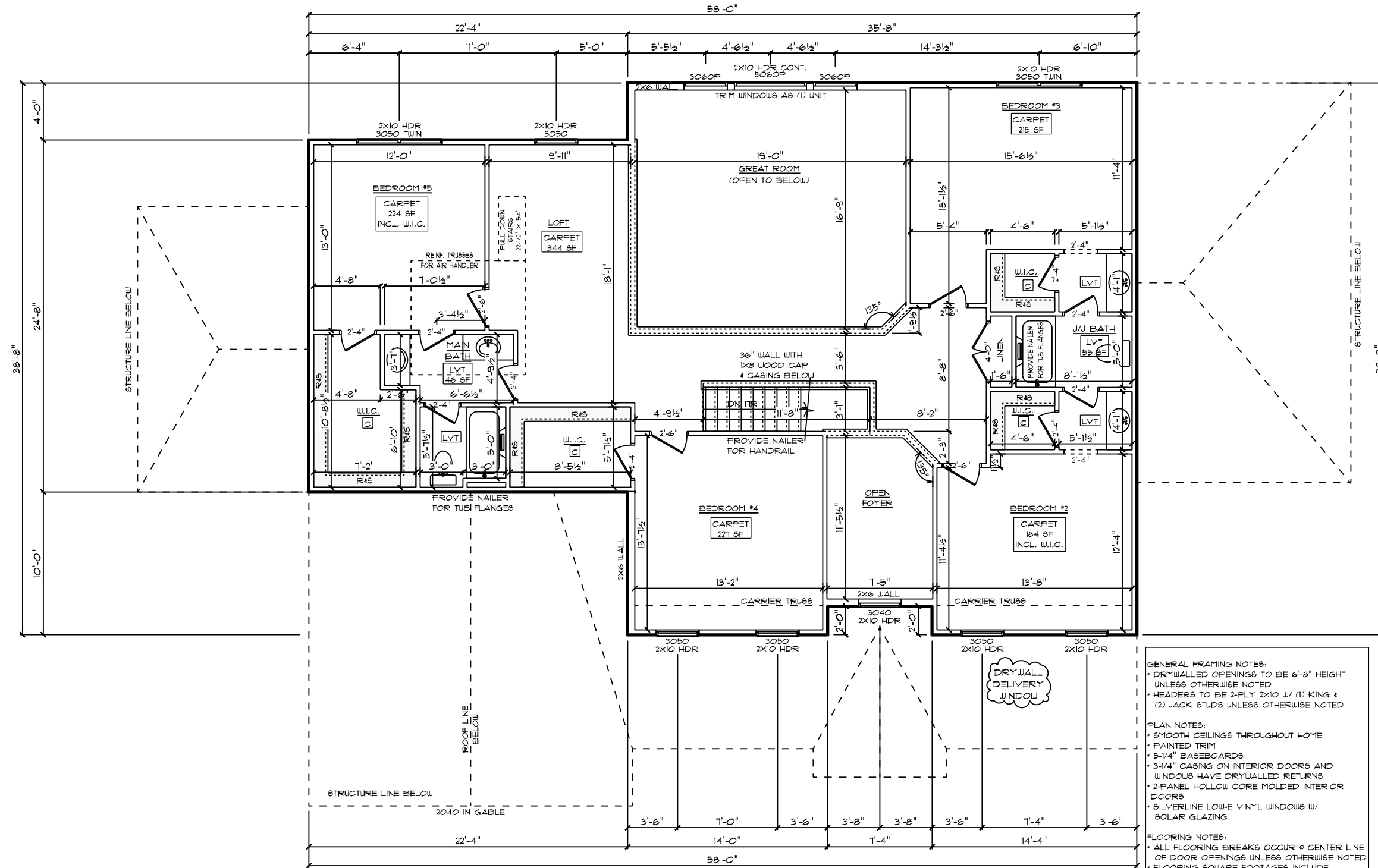
CUSTOM BUILT FOR: TRAVIS & SPARKLE BASS JOB #: DUTCO 022 OTT LOCATION: 2184 WIRE RD BUNNLEVEL, NC 28323 COUNTY: HARNETT	SQUARE FOOTAGES (4096): BASEMENT: 2574 1ST FL: 2574 2ND FL: 522 OPEN SPACE: 394 GARAGE: 414 PORCH: 96	DATE: 12/20/2022 SCALE: 1/8" = 1'-0" DRAWN BY: SG DESIG: 10
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**RIDGEWOOD CAROLINA / CUSTOM**  
**SECOND FLOOR PLAN**  
 8' CEILING HEIGHT

- GENERAL FRAMING NOTES:**
- DRYWALLED OPENINGS TO BE 6'-8" HEIGHT UNLESS OTHERWISE NOTED
  - HEADERS TO BE 2-PLY 2X10 W/ (1) KING & (2) JACK STUDS UNLESS OTHERWISE NOTED
- PLAN NOTES:**
- SMOOTH CEILING THROUGHOUT HOME
  - PAINTED TRIM
  - 5/16" BASEBOARDS
  - 3/16" CASING ON INTERIOR DOORS AND WINDOWS HAVE DRYWALLED RETURNS
  - 2-PANEL HOLLOW CORE MOLDED INTERIOR DOORS
  - SILVERLINE LOW-E VINYL WINDOWS W/ SOLAR GLAZING
- FLOORING NOTES:**
- ALL FLOORING BREAKS OCCUR @ CENTER LINE OF DOOR OPENINGS UNLESS OTHERWISE NOTED
  - FLOORING SQUARE FOOTAGES INCLUDE CLOSETS RELATIVE TO THE AREA UNLESS OTHERWISE NOTED
  - SOME FLOORING SQUARE FOOTAGES MAY INCLUDE HALLS OR AREAS THAT CONNECT WITHOUT WALL SEPARATION IF THE SAME FINISH IS CONTINUED

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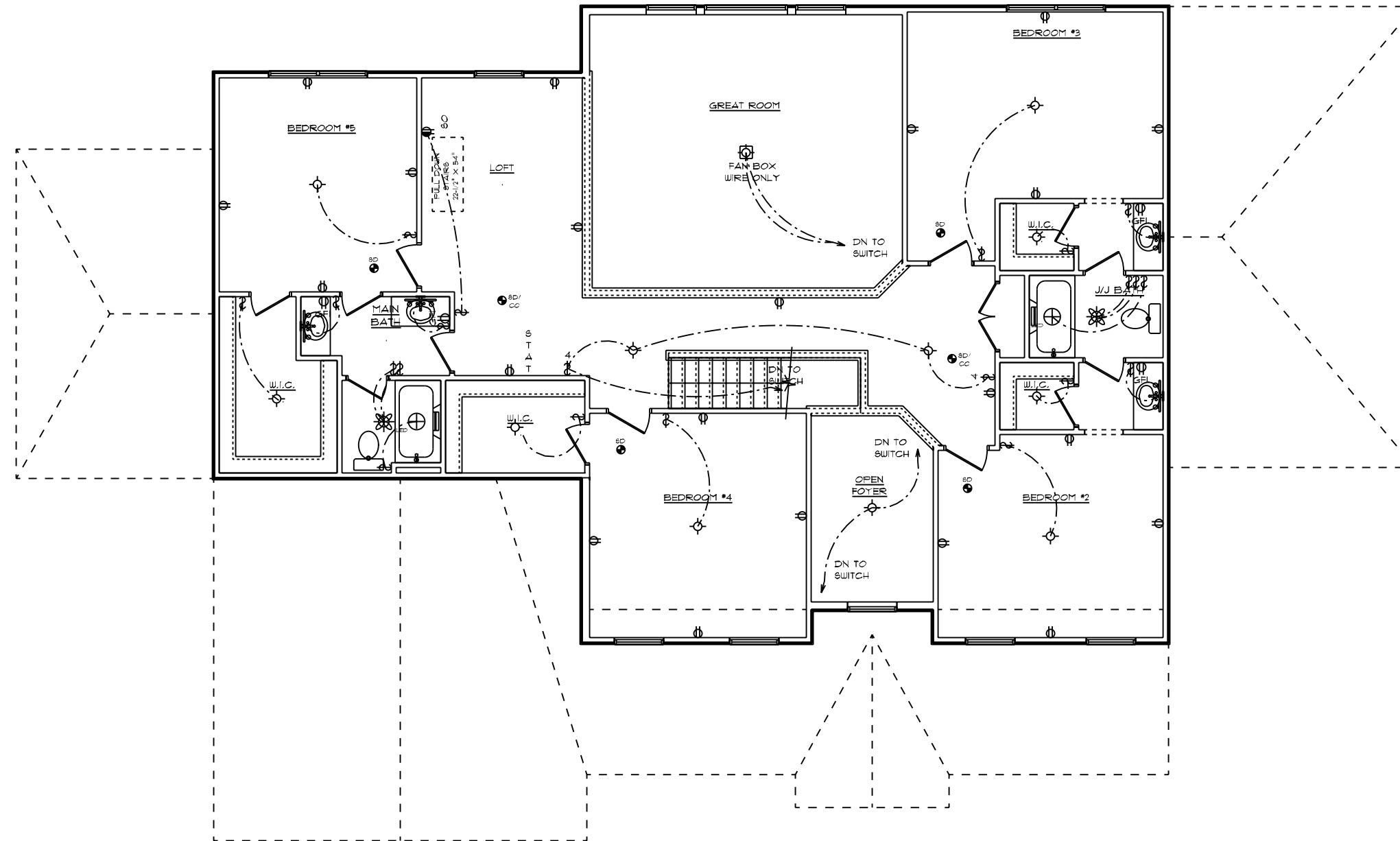
**DATE:** 12/20/2022  
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**SQUARE FOOTAGES (4096):**  
 BASEMENT: 2574  
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 OPEN SPACE: 394  
 GARAGE: 414  
 PORCH: 96

**CUSTOM BUILT FOR:** TRAVIS & SPARKLE BASS  
**JOB #:** DUTCO 022 OTT  
**CN #:** 34120  
**VN #:** BA282  
**LOCATION:** 2184 WIRE RD  
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 COUNTY: HARNETT

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RIDGEWOOD CAROLINA / CUSTOM  
 SECOND FLOOR PLAN  
 8' CEILING HEIGHT  
 ELECTRICAL PLAN

**GENERAL ELECTRICAL NOTES:**

- (1) EXISTING SWITCH UPGRADED TO A 3-WAY SWITCH, (1) ADDITIONAL 3-WAY SWITCH AND (1) COACH LIGHT WIRED TO A STANDARD SWITCH ARE INCLUDED WHEN A GARAGE SERVICE DOOR IS PURCHASED
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  - WALL SCONCES: 66" AFF
  - PENDANT LIGHTS: 66" AFF
  - CHANDELIERS (TO BTM OF FIXTURE)
    - FOYER 9' CEILING: 84"
    - FOYER OVER 9' CLG: 90"
    - DINING ROOM: 60"

**ADDITIONAL ELECTRICAL NOTES:**

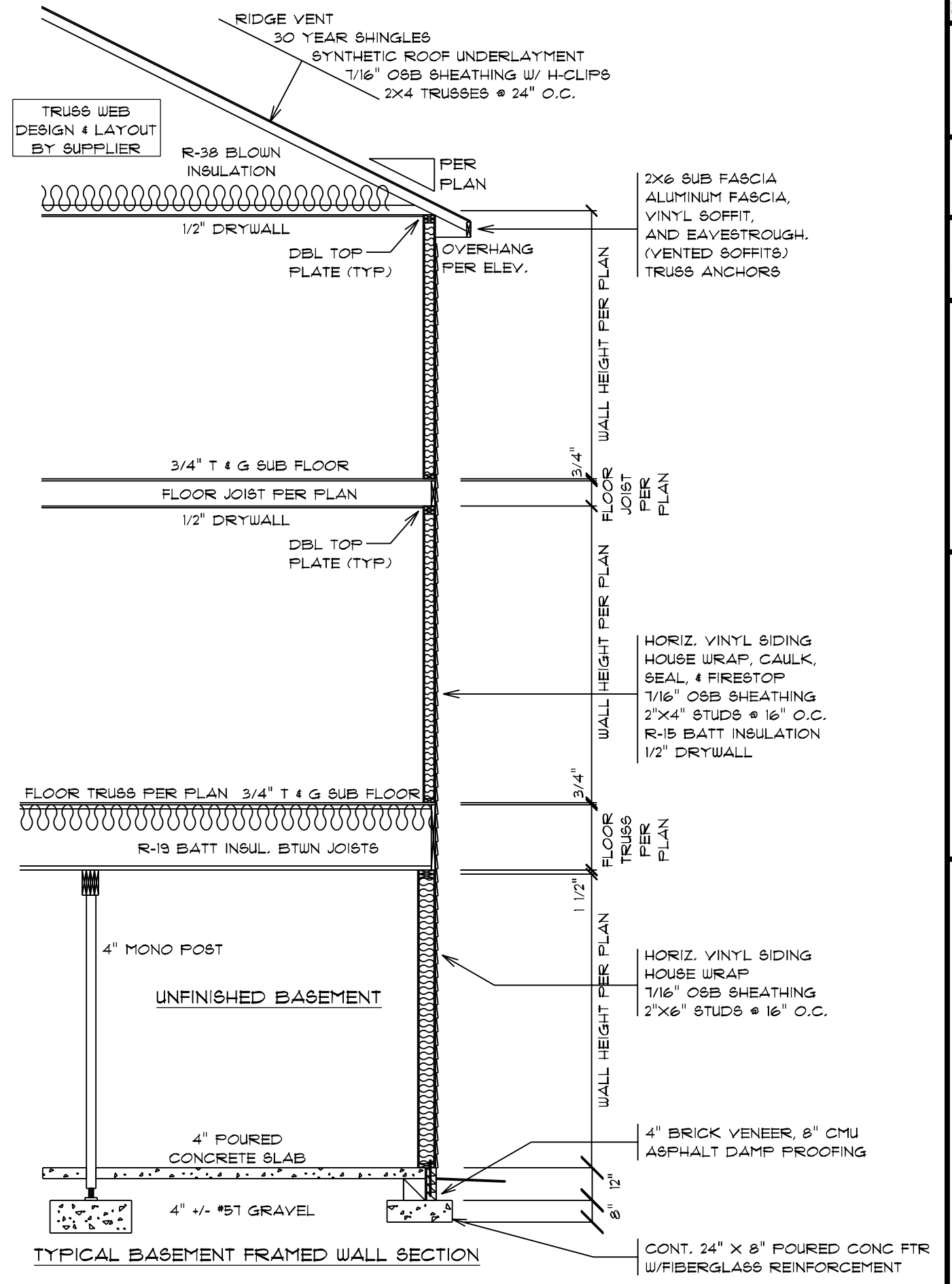
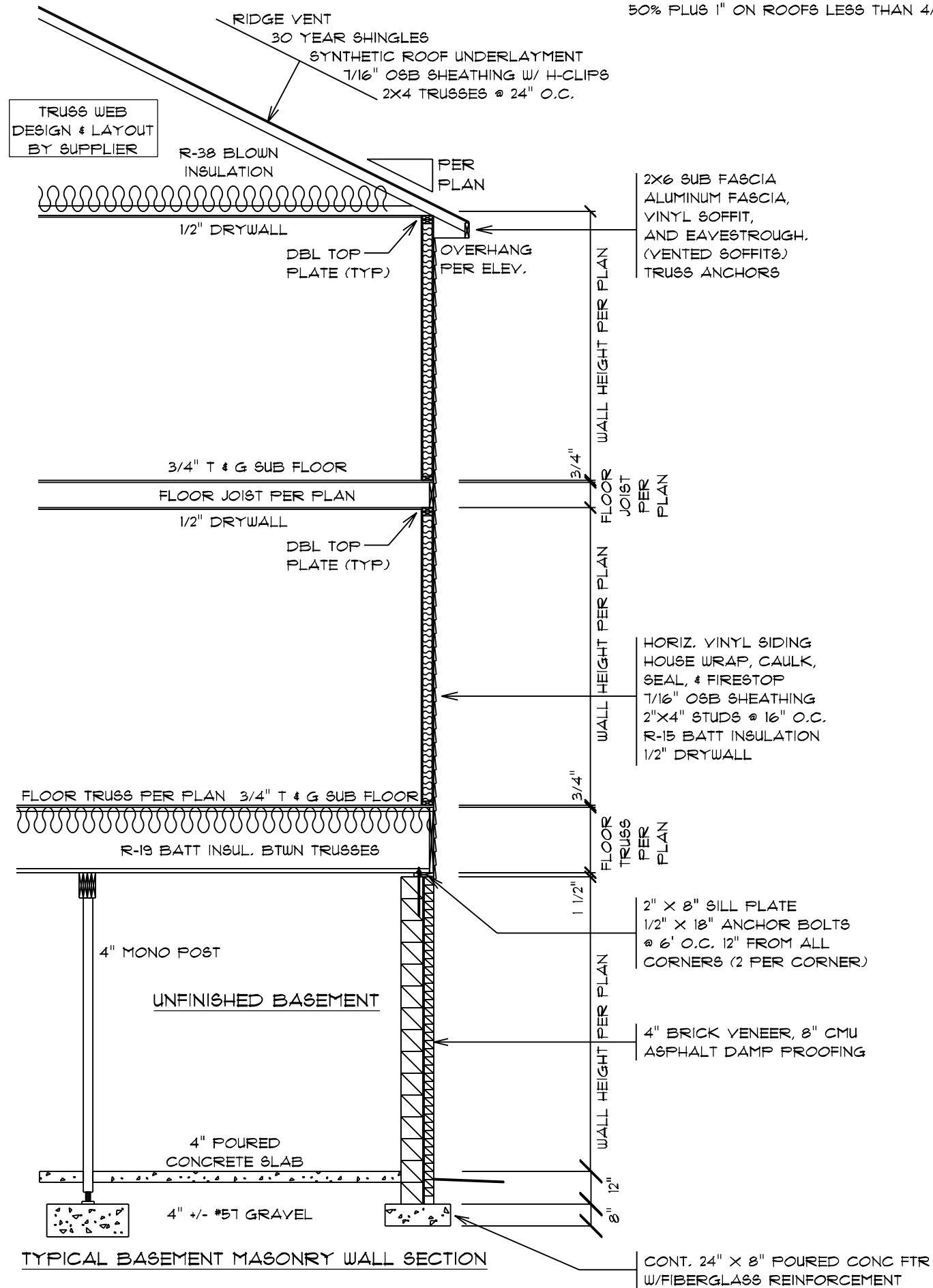
- CABLE & PHONE TO BE LOCATED AT ELECTRICAL WALK-THRU
- ADD'L MINI RECESSED LIGHTS TO BE LOCATED AT ELECTRICAL WALK-THRU
- INSTALL ALL BATHROOM LIGHT FIXTURES WITH GLOBES FACING DOWN

DATE:	12/20/2022	SCALE:	1/8" = 1'-0"
DRAWN BY:	SG	DATE:	12/20/2022
PROJECT:	TRAVIS & SPARKLE BASS	DATE:	12/20/2022
LOCATION:	2184 WIRE RD BUNNLEVEL, NC, 28323 COUNTY: HARNETT	DATE:	12/20/2022
CUSTOMER BUILT FOR:	TRAVIS & SPARKLE BASS	DATE:	12/20/2022
JOB #:	DUTCO 022 0111	DATE:	12/20/2022
LOCATION:	2184 WIRE RD BUNNLEVEL, NC, 28323 COUNTY: HARNETT	DATE:	12/20/2022
SQUARE FOOTAGES (4096):	BASEMENT: 2574 1ST FL: 2574 2ND FL: 2574 OPEN SPACE: 394 GARAGE: 414 PORCH: 916	DATE:	12/20/2022
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NOTE:  
 ROOF UNDERLAYMENT TO BE OVERLAPPED  
 50% PLUS 1" ON ROOFS LESS THAN 4/12 PITCH



DRUG: 14

SCALE: 1/4" = 1'-0"

DATE: 12/20/2022

DESIGN BY: SG

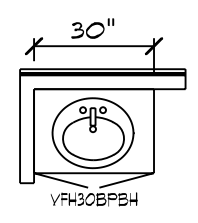
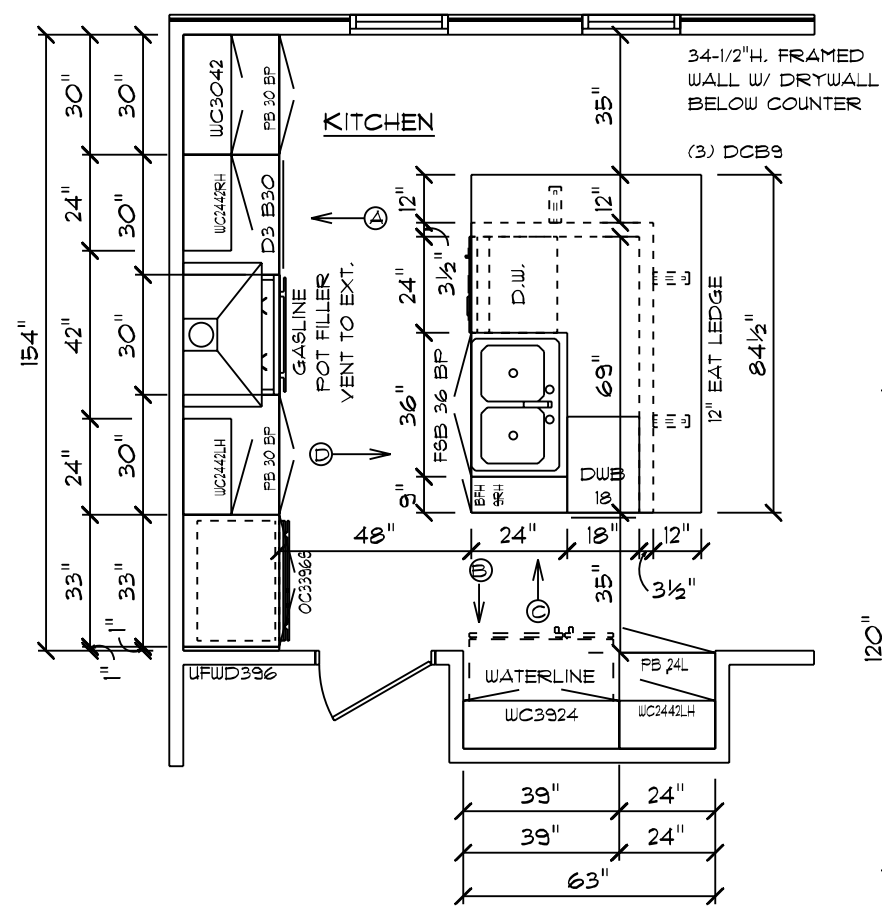
SQUARE FOOTAGES (4096):  
 BASEMENT: 2574  
 1ST FL: 2574  
 2ND FL: 522  
 OPEN SPACE: 394  
 GARAGE: 414  
 PORCH: 316

CUSTOM BUILT FOR: TRAVIS & SPARKLE BASS  
 JOB #: DUTCO 022 0111 CN #: 34120  
 LOCATION: 2184 WIRE RD  
 BUNNLEVEL, NC 28323  
 COUNTY: HARNETT

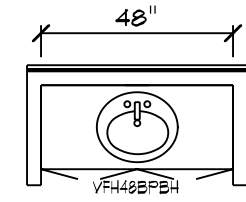
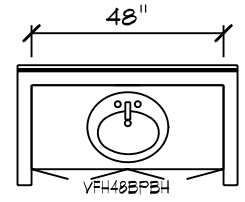
Raleigh/Durham, NC  
 182 West Hamlin Road  
 Benson, NC 27504  
 (811) 261-3482  
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**SCHUMACHER HOMES**

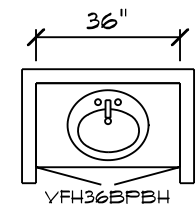
APPROVED: 10-26-2022  
 REVISED: 12-20-2022



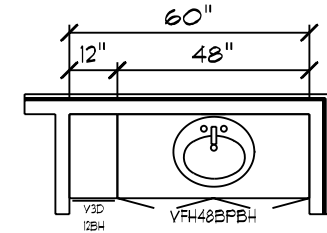
BATH #4



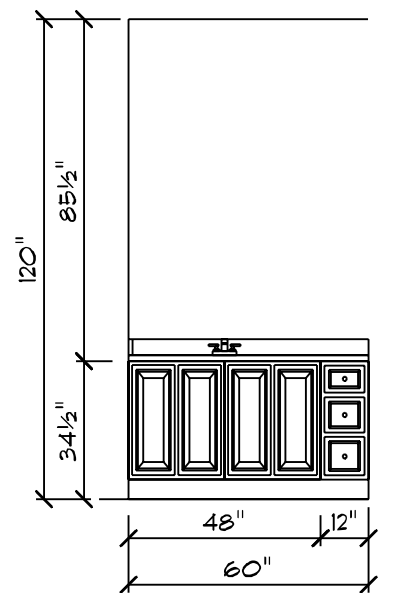
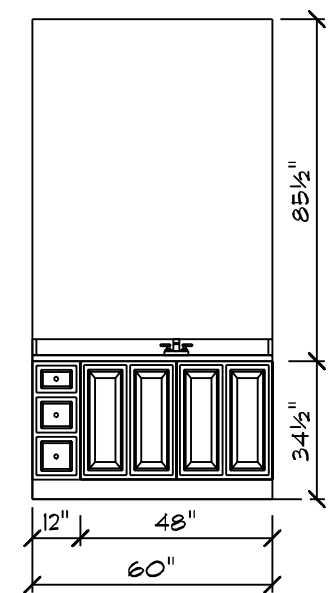
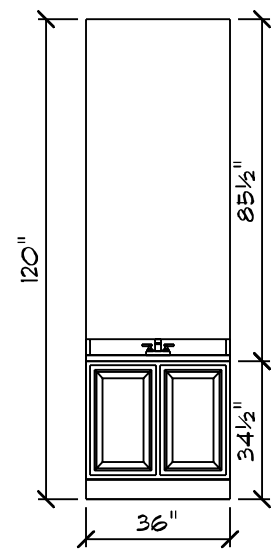
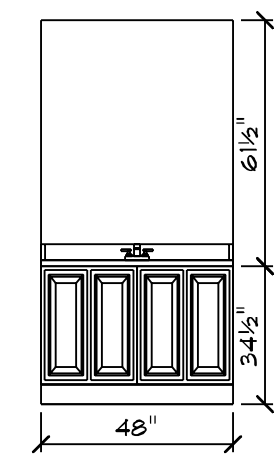
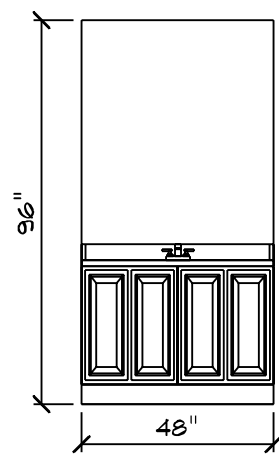
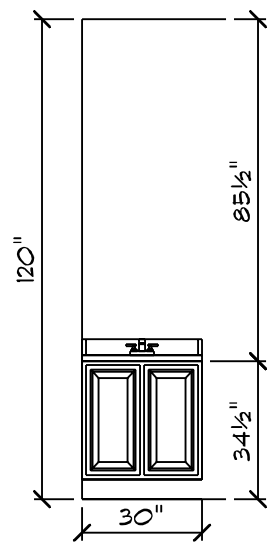
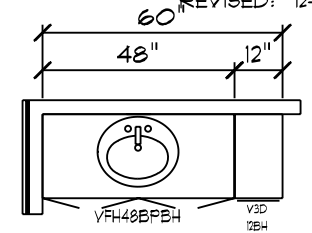
JACK & JILL BATH



1/2 BATH

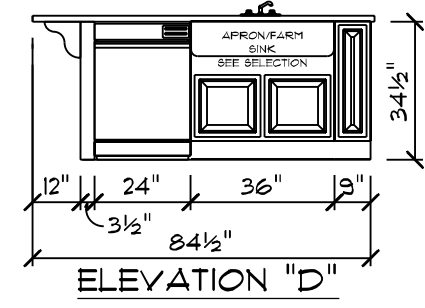
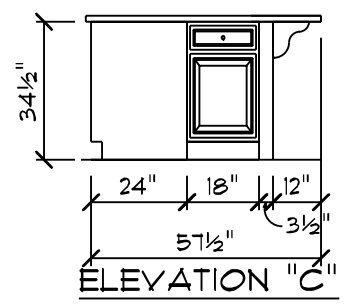
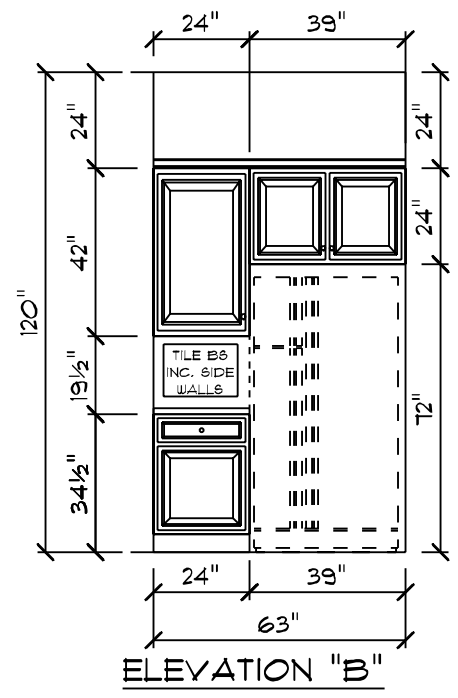
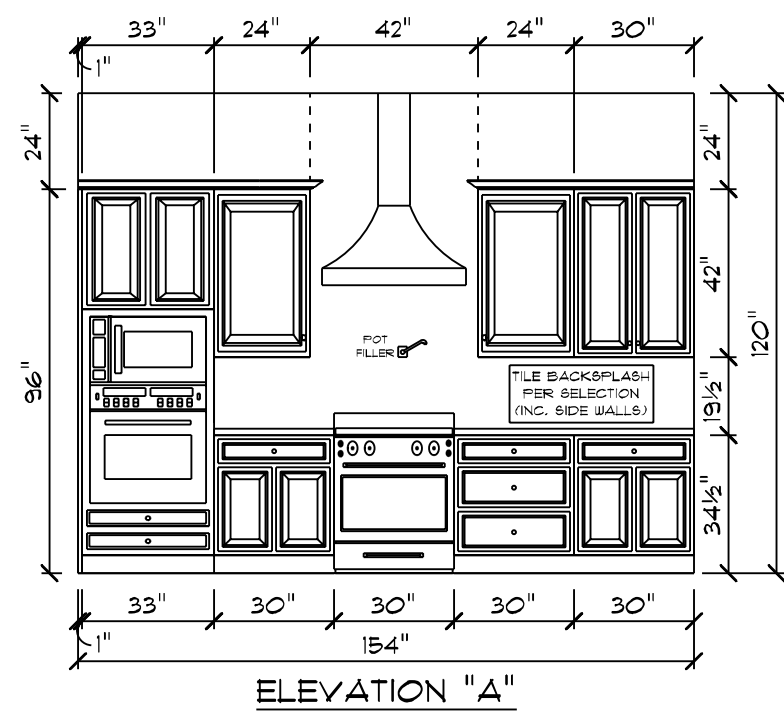


OWNER'S BATH

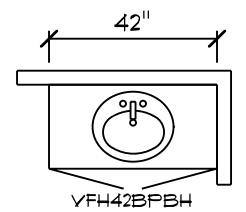
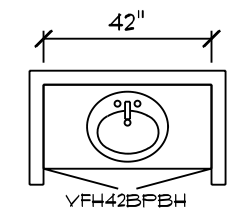


**RIDGEWOOD CAROLINA / CUSTOM CABINET PLAN**

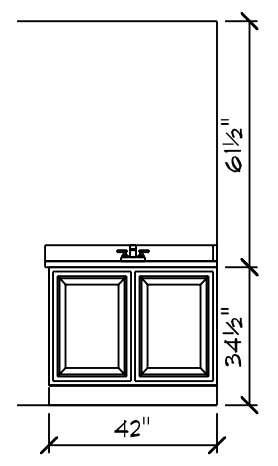
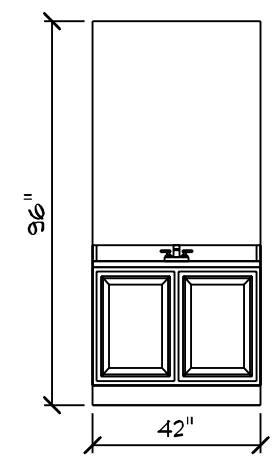
NOTE: CABINET DRAWING DIMENSIONS ACCOUNT FOR 1/2" OF DRYWALL



**CABINET NOTES:**  
 KITCHEN  
 • MARSH CABINETS W/ TRADITIONAL OVERLAY  
 • DELUXE CABINETS  
 • 2-1/4" KITCHEN CABINET CROWN MOLDING  
 • COUNTERTOPS PER SELECTION  
 • 36" APRON STAINLESS STEEL KITCHEN SINK  
 • HARDWARE PER SELECTION  
 BATHS  
 • MARSH CABINETS W/ TRADITIONAL OVERLAY  
 • DELUXE CABINETS  
 • COUNTERTOPS PER SELECTION  
 • HARDWARE PER SELECTION



MAIN BATH



DATE: 12/20/2022  
 SCALE: 1/4" = 1'-0"  
 DRAIN BY: SG  
 SQUARE FOOTAGES (4096)  
 BASEMENT: 2574  
 1ST FL: 2574  
 2ND FL: 522  
 OPEN SPACE: 394  
 GARAGE: 414  
 PORCH: 316

TRAVIS & SPARKLE BAGS  
 JOB #: DUTOO 022 OTT  
 CN #: 34120  
 VN #: BA282

LOCATION: 2184 WIRE RD  
 BUNNLEVEL, NC 28323  
 COUNTY: HARNETT

Raleigh/Durham, NC  
 182 West Hamlin Road  
 Benson, NC 27504  
 (877) 261-3482  
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Silverline V1 Series Single Hung Windows																				
R.O	36 1/2	38 1/2	40 1/2	42 1/2	44 1/2	46 1/2	48 1/2	50 1/2	52 1/2	54 1/2	56 1/2	60 1/2	62 1/2	64 1/2	66 1/2	72 1/2	74 1/2	78 1/2	80 1/2	84 1/2
18 1/2	1630	1632			1638	16310	1640	1642	1644	1646	1648	1650	1652	1654	1656	1660	1662	1666		1670
20 1/2	1830	1832			1838	18310	1840	1842	1844	1846	1848	1850	1852	1854	1856	1860	1862	1866		1870
24 1/2	2030	2032	2034	2036	2038	20310	2040	2042	2044	2046	2048	2050	2052	2054	2056	2060	2062	2066		2070
28 1/2	2430	2432			2438	24310	2440	2442	2444	2446	2448	2450	2452	2454	2456	2460	2462	2466		2470
30 1/2	2630	2632	2634	2636	2638	26310	2640	2642	2644	2646	2648	2650	2652	2654	2656	2660	2662	2666		2670
32 1/2	2830	2832	2834	2836	2838	28310	2840	2842	2844	2846	2848	2850	2852	2854	2856	2860	2862	2866		2870
36 1/2	3030	3032	3034	3036	3038	30310	3040	3042	3044	3046	3048	3050	3052	3054	3056	3060	3062	3066	3068	3070
38 1/2	3230	3232			3238	32310	3240	3242	3244	3246	3248	3250	3252	3254	3256	3260	3262	3266		3270
40 1/2	3430	3432			3438	34310	3440	3442	3444	3446	3448	3450	3452	3454	3456	3460	3462	3466		3470
42 1/2	3630	3632			3638	36310	3640	3642	3644	3646		3650	3652	3654	3656	3660	3662			3670
44 1/2	3830	3832			3838	38310	3840	3842	3844	3846	3848	3850	3852	3854	3856	3860	3862	3866		3870
48 1/2	4030	4032			4038	40310	4040	4042	4044	4046	4048	4050	4052	4054	4056	4060	4062	4066		4070

**BOLD TYPE MEETS EGRESS**

UNDERLINED CALLOUTS MEET EGRESS WITH CLEAR OPENING HARDWARE

Silverline V3 Series Casement Windows						
R.O	18	21	24 5/8	28 7/8	34	36 7/16
24 5/8	C1-1520	C1-1820	C1-2020	C1-2420		
28 7/8	C1-1524	C1-1824	C1-2024	C1-2424	C1-2924	
36 7/16	C1-15211	C1-18211	C1-20211	C1-24211	C1-29211	<b>C1-211211</b>
41 5/16	C1-1534	C1-1834	C1-2034	C1-2434	<u>C1-2934</u>	<b>C1-21134</b>
48 1/2	C1-1540	C1-1840	C1-2040	<u>C1-2440</u>	<u>C1-2940</u>	<b>C1-21140</b>
53 5/16	C1-1544	C1-1844	C1-2044	<u>C1-2444</u>	<u>C1-2944</u>	<b>C1-21144</b>
60 3/8	C1-15411	C1-18411	C1-20411	<u>C1-24411</u>	<u>C1-29411</u>	<b>C1-211411</b>
65 5/16	C1-1554	C1-1854	C1-2054	<u>C1-2454</u>	<u>C1-2954</u>	<b>C1-21154</b>
72 3/8	C1-15511	C1-18511	C1-20511	<u>C1-24511</u>	<u>C1-29511</u>	<b>C1-211511</b>

Silverline V3 Series Twin Casement Windows					
R.O	41 1/4	48 1/2	57	63 1/4	72 1/8
24 5/8	C2-3420	C2-4020	C2-4820		
28 7/8	C2-3424	C2-4024	C2-4824		
36 7/16	C2-34211	C2-40211	C2-48211	C2-52211	<b>C2-511211</b>
41 5/16	C2-3434	C2-4034	C2-4834	<u>C2-5234</u>	<b>C2-51134</b>
48 1/2	C2-3440	C2-4040	<u>C2-4840</u>	<u>C2-5240</u>	<b>C2-51140</b>
53 5/16	C2-3444	C2-4044	<u>C2-4844</u>	<u>C2-5244</u>	<b>C2-51144</b>
60 3/8	C2-34411	C2-40411	<u>C2-48411</u>	<u>C2-52411</u>	<b>C2-511411</b>
65 5/16	C2-3454	C2-4054	<u>C2-4854</u>		
72 3/8	C2-34511	C2-40511	<u>C2-48511</u>		

Silverline V3 Triple Csmnt Windows			
R.O	61 1/2	72 3/8	85 1/8
24 5/8	C3-5120	C3-51120	C3-7020
28 7/8	C3-5124	C3-51124	C3-7024
36 7/16	C3-51211	C3-511211	C3-70211
41 5/16	C3-5134	C3-51134	C3-7034
48 1/2	C3-5140	C3-51140	<u>C3-7040</u>
53 5/16	C3-5144	C3-51144	<u>C3-7044</u>
60 3/8	C3-51411	C3-511411	<u>C3-70411</u>

Silverline Oval Windows		
	Rough Opening	
	Width	Height
OVL-2030	24 1/2	36 1/2
OVL-2434	28 1/2	40 1/2
OVL-2838	32 1/2	44 1/2
OVL-3040	36 1/2	48 1/2
OVL-3050	36 1/2	60 1/2

Silverline V3 Series Awning Windows						
R.O	25 5/8	28 7/8	32	36 7/16	41 1/4	48 1/2
17 1/2	AW1-2015	AW1-2415	AW1-2715	AW1-21115	AW1-3415	AW1-4015
21	AW1-2018	AW1-2418	AW1-2718	AW1-21118	AW1-3418	AW1-4018
24 5/8	AW1-2020	AW1-2420	AW1-2720	AW1-21120	AW1-3420	AW1-4020
28 7/8	AW1-2024	AW1-2424	AW1-2724	AW1-21124	AW1-3424	AW1-4024
32		AW1-2427	AW1-2727	AW1-21127	AW1-3427	AW1-4027
36 4/9			AW1-27211	AW1-211211	AW1-34211	AW1-40211

Silverline V3 Series Twin Awning Windows			
R.O	57	63 1/4	72 1/8
17 1/2	AW2-4815	AW2-5215	AW2-51115
21	AW2-4818	AW2-5218	AW2-51118
24 5/8	AW2-4820	AW2-5220	AW2-51120
28 7/8	AW2-4824	AW2-5224	AW2-51124
32		AW2-5227	AW2-51127
36 7/16			AW2-511211

Window Notes	Additional Important Information
1. TO CALCULATE THE R.O. FOR A WINDOW WITH A TRANSOM, ADD BOTH UNIT DIMENSIONS TOGETHER AND ADD 1/2".	1. THERE IS NO ALLOWANCE IN ANY OF THE HEIGHT DIMENSIONS FOR CARPET SHIM. (PLEASE ADD ACCORDINGLY)
2. TO CALCULATE THE R.O. FOR MULTIPLE UNITS, ADD BOTH ACTUAL UNIT DIM TOGETHER AND ADD 1/2" PER MULL	2. BRICK OPENINGS ARE 2-1/2" WIDER AND 1-1/4" HIGHER THAN ACTUAL UNIT SIZE.
3. FOR R.O.'S NOT LISTED, ADD 1/2" TO THE ACTUAL UNIT DIM FOR BOTH THE WIDTH AND HEIGHT	3. FOR 7' DOORS ADD 4" TO THE ACTUAL UNIT SIZE AND ROUGH OPENING HEIGHT DIMENSIONS.
	4. DO NOT STORE PRE-HUNG UNITS OUTSIDE.

Lintel Schedule				1/2" or Equiv
Size of Steel Angle	No story Above	One story above	Two Stories Above	Reinforcing Bars
3 x 3 x 1/4	6'-0"	4'-6"	3'-0"	1
4 x 3 x 1/4	8'-0"	6'-0"	4'-6"	1
5 x 3-1/2 x 5/16	10'-0"	8'-0"	6'-0"	2
6 x 3-1/2 x 5/16	14'-0"	9'-6"	7'-0"	2
(2) 6 x 3-1/2 x 5/16	20'-0"	12'-0"	9'-6"	4

Silverline Sliding Door	
6068	72-1/4" x 80-1/2"

Andersen 200 Narroline Gliding Patio Door	
Unit	Rough Opening
NLGD6068	72" x 80"
NLGD12068-4	141 3/4" x 80"
NLGD6080	72" x 96"
NLGD12080-4	141 3/4" x 96"

Masonite Patio Door Units	
Unit	Rough Opening
3068	38 1/2" x 82 1/2"
3080	38 1/2" x 98 1/2"
6068	75 5/8" x 82 1/2"
6080	75 5/8" x 98 1/2"
9068	112 5/8" x 82 1/2"
9080	112 5/8" x 98 1/2"

Andersen 100 Patio Door	
Unit	Rough Opening
6068	72" x 80"
6080	72" x 96"

Exterior Door with Sidelites	
3'-0" w(1) 14" S.L.	54 5/8" X 82 1/2"
3'-0" w(2) 14" S.L.	69 5/8" X 82 1/2"

Fireplace Framing	
36" WOOD BURNING EL36 W: 42" H: 40-1/4" D: 21-1/2"	
42" WOOD BURNING EL42 W: 48" H: 40-1/4" D: 21-1/2"	
36" DIRECT VENT NDV4236i W: 42" H: 35-1/4" D: 24"	
42" DIRECT VENT NDV4842i W: 49" H: 35-1/4" D: 24"	
36" MODERN GAS DV NEVO4236i W: 42" H: 40-1/4" D: 20-1/4"	
42" RAVE DIRECT VENT RAVE42-IFT-B W: 50" H: 33-1/4" D: 18-1/4"	
60" CRAVE DIRECT VENT CRAVE7260-B W: 72-1/4" H: 48-1/2" D: 18-3/4"	
HOLD FIREPLACE UP 2" TO ALLOW FOR STONE HEARTH IF APP.	
A PLYWOOD FLOOR IS REQUIRED ON ALL WOODBURNERS AT LEAST 6' HIGH TO BE INSTALLED BY FRAMERS	
2X6 WRAP AT TOP OF CHASE	

Miscellaneous Framing	
FRAME SOFFITS THE SAME HEIGHT AS DRYWALL OPENINGS.	
LEAVE 14-1/2" BETWEEN EACH END JOIST & RIM JOIST TO ALLOW FOR INSULATION. INSULATE ALL FRAMED CHANNELS & CORNERS AND BEHIND SHOWER & TUB UNITS. INSTALL FIREBLOCK FRAMING IN ALL STAIRWAY CEILINGS.	

DATE: 12/20/2022  
SCALE: 1/8" = 1'-0"  
DRAWN BY: SG  
16  
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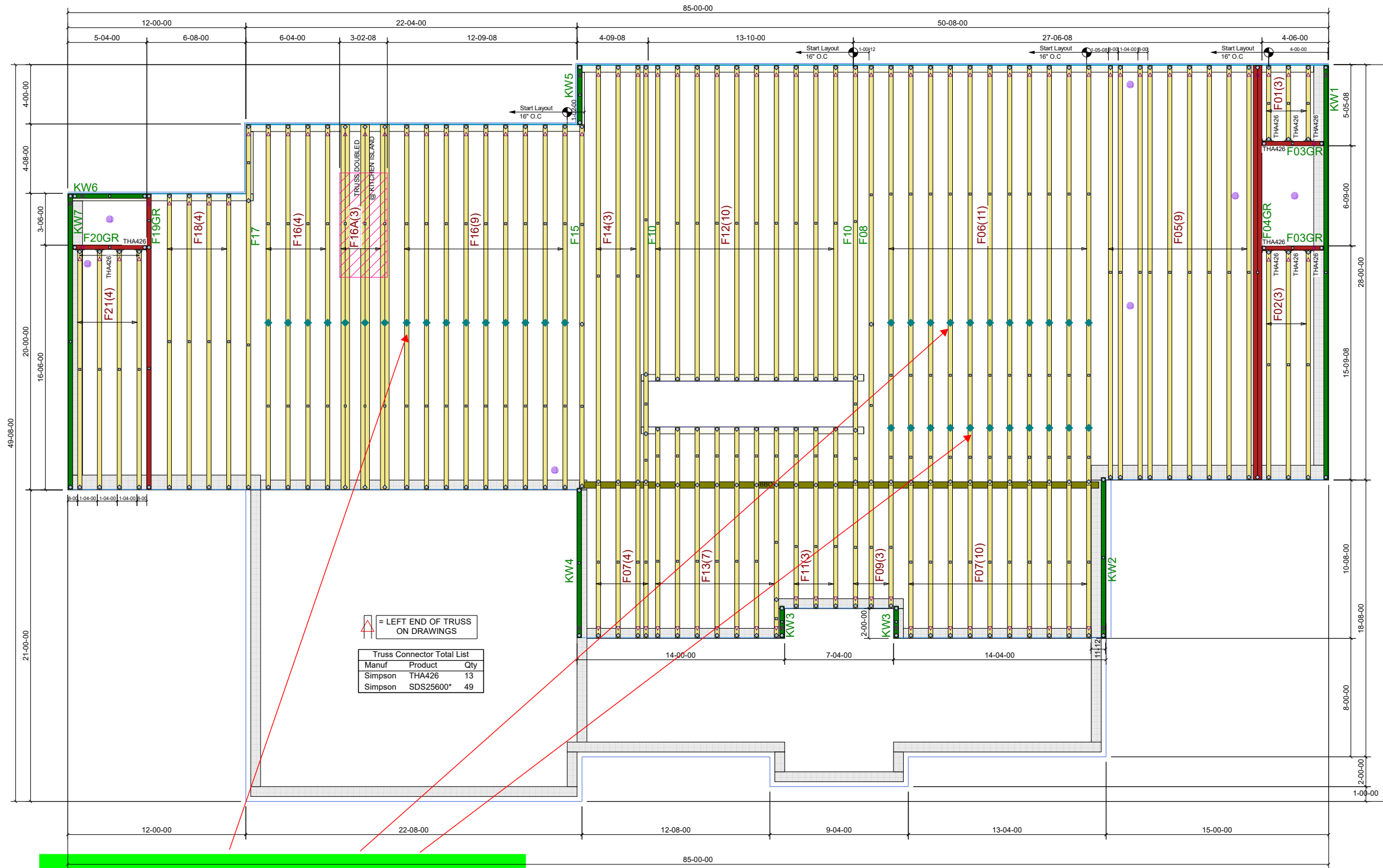
SQUARE FOOTAGES (4096):  
BASEMENT: 2574  
1ST FL: 2574  
2ND FL: 2574  
OPEN SPACE: 394  
GARAGE: 414  
PORCH: 316

CUSTOM BUILT FOR: TRAVIS & SPARKLE BAAS  
JOB #: DUTCO 022 0111 CN #: 34100 VN #: BA282  
LOCATION: 2184 WIRE RD BUNNLEVEL, NC 28323 COUNTY: HARNETT

Raleigh/Durham, NC  
182 West Hamlin Road  
Benson, NC 27504  
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**Floor trusses have been designed to support second floor floor loads**

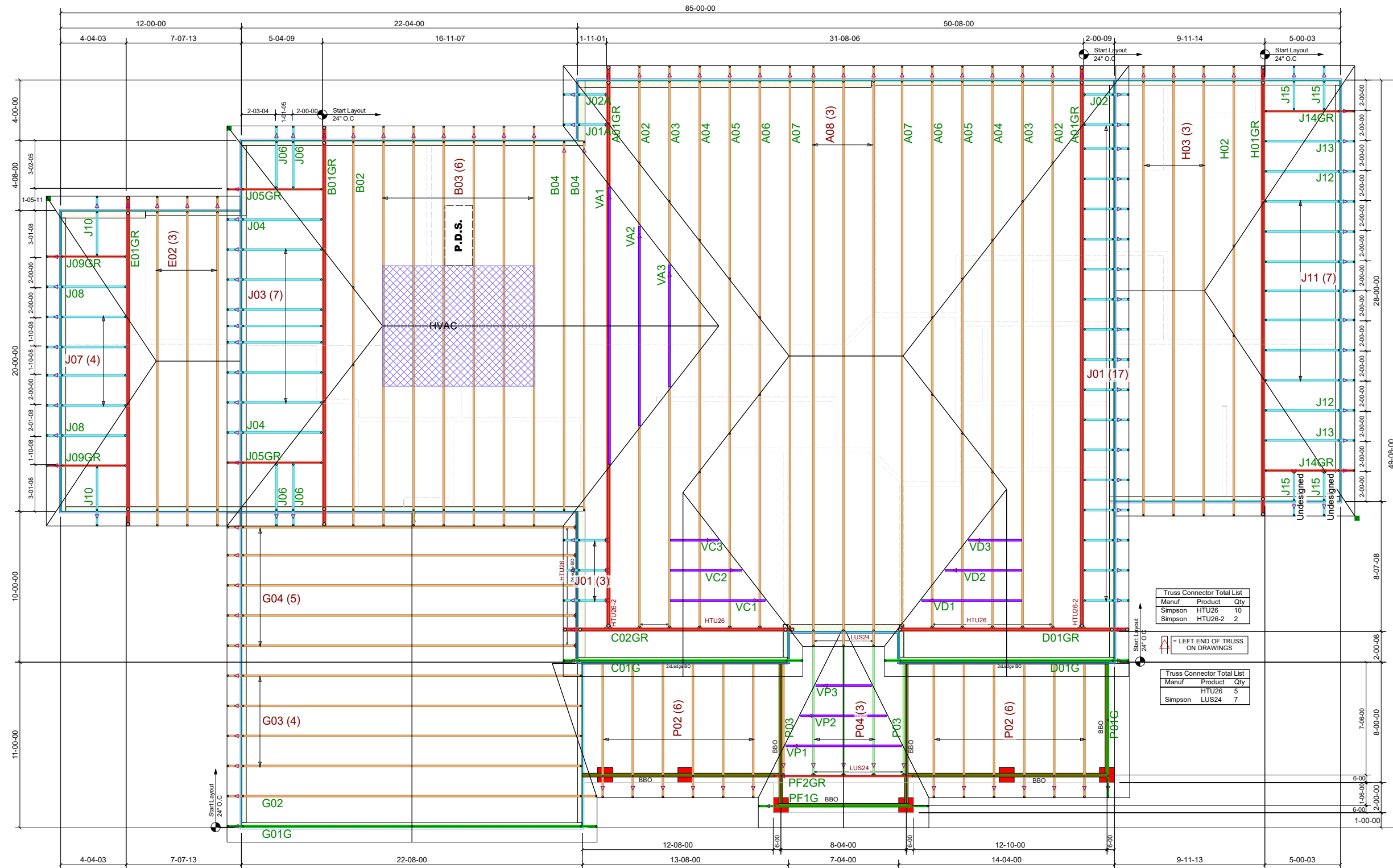
**NOTE:**  
TRUSS DESIGNS MAY NOT BE SYMMETRICAL. IT IS THE RESPONSIBILITY OF THE PERSONS ERRECTING THE TRUSSES TO ASSURE PROPER TRUSS ORIENTATION. THINGS TO LOOK FOR INCLUDE HEEL HEIGHTS, BEARING POINTS, POINT LOADS, CANTILEVERS, OVERHANGS, WEB CONFIGURATIONS, ECT.

FIELD BRACING is not the responsibility of the truss fabricator, truss designer, or plate manufacturer. Persons erecting trusses are cautioned to seek professional advice regarding temporary and erection bracing which is always required to prevent toppling and dominating during erection, and permanent bracing which may be required in specific applications. Trusses shall be erected and fastened in a straight and plumb position. Where no directop chord sheathing is applied, trusses must be braced at 24" on center maximum. Where no direct bottom chord sheathing is applied trusses must be braced at 10'-0" on center maximum. Trusses must be handled with extreme care during erection to prevent damage or personal injury. Refer to truss engineering for connection and bracing requirements. These calculations are supplied in order for the ENGINEER OF RECORD to adequately provide for connection and integration of the roof assembly to the supporting structure. Designers of supporting connections are SOLELY responsible for the integrity of their product. Trusses remain our property until paid in full. Truss layouts and engineering may not be reproduced in part or in full under any circumstances.



**BUILDERS FIRSTSOURCE**  
8401 Planer Mill Rd.  
Middlesex, NC 27557  
Office: 252.235.4530 | Fax: 252.235.2619  
BLDR.COM

IRC 2015 - 115 MPH WIND SPEED	CUSTOMER : Schumacher Homes	DESIGNER : JJR
TCLL : 40 FLOOR	LOT : 2184	DATE : 12/16/2022
TCDL : 10	SUBDIV : Wire Rd.	FILE : 3372247
BCLL : 0	MODEL : Ridgewood Carolina	SPACING : 24"O.C.
BCDL : 5	Bas Res.	



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IRC 2015 - 115 MPH WIND SPEED	CUSTOMER : Schumacher Homes	DESIGNER : JJR
TCLL : 20 ROOF	LOT : 2184	DATE : 12/16/2022
TCDL : 10	SUBDIV : Wire Rd.	FILE : 3372247
BCLL : 0	MODEL : Ridgewood Carolina	SPACING : 24" O.C.
BCDL : 10	Bas Res.	









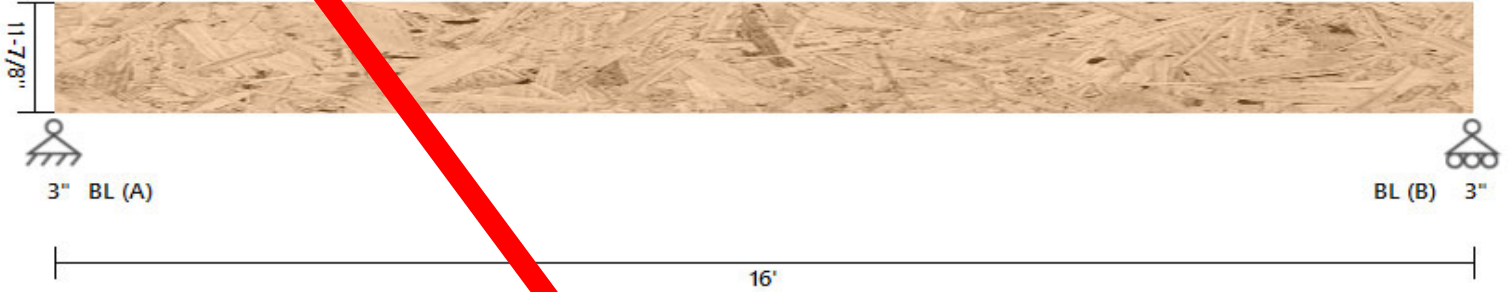
**PASS**

DATE:	12/29/2022	
STRUCALC BUILD:	StruCalc Plus	
CUSTOMER:	Bass DU700 022 0177	
PROJ. ADDRESS:	--	
LEVEL:	Main Floor	
MEMBER NAME:	Garage Door Header	
MEMBER TYPE:	FLOOR BEAM	
MATERIAL:	Structural Composite Lumber	
Louisiana Pacific	2.0E LVL	(2) 1.75 X 11.87

COMPANY: Schumacher Homes  
DESIGNED BY: Dan Fishman

**SEE REVISED  
GARAGE DOOR  
BEAM SIZE**

**Garage Door Header DIAGRAM**



**BEAM PROPERTIES**

Start (ft): 0 End (ft): 16 Member Slope: 0/12 Actual Length (ft): 16.00

Area	Ix	Iy	BSW	Lams	Cfn	Kcr
(in <sup>2</sup> )	(in <sup>4</sup> )	(in <sup>4</sup> )	(lbf/ft)			Creep Factor
41.56	488.41	10.61	11.83	2	9	1

**STRENGTH PROPERTIES**

	Fb (psi)	Ft (psi)	Fv (psi)	Fc (psi)	Fc <sub>⊥</sub> (psi)	E (psi) x10 <sup>3</sup>	Emin (psi) x10 <sup>3</sup>
Base Values	2900	1800	285	3200	750	2000	1000
Adjusted Values	2900	1800	285	3200	750	2000	1000
C <sub>M</sub>	1	1	1	1	1	1	1
C <sub>T</sub>	1	1	1	1	1	1	1

Bending Adjustment Factors C<sub>V</sub> = 1 C<sub>r</sub> = 1 Volume factor is applied on a load combination basis And is Not reflected in the adjusted values

**BEAM DATA**

Span	Length (ft)	Unbraced Length (ft)		Beam End				
		Top	Bottom	Elev. Diff (ft)	CL(Top)	CL(Bottom)	CL(Left)	CL(Right)
1	16	0	16	0	1.00	0.3	1.00	1.00

**PASS-FAIL**

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	LOAD COMBO	DURATION FACTOR CD
Shear Stress Y (psi)	<b>PASS (86.0%)</b>	39.8	285.0	0	D+L	1
Bending Stress Y (psi)	<b>PASS (77.8%)</b>	643.4	2903.4	8	D+L	1
Deflection (in)	<b>PASS (74.0%)</b>	0.208 (=L/923)	0.800 (=L/240)	8	D+L	
Bearing Stress (psi)	<b>PASS (86.0%)</b>	105.0	750.0	0	D+L	1

**REACTIONS**

Units for V: lbf Units for M: lbf-ft

Y axis	DEAD	LIVE	TOTAL
A	527	576	1103
B	527	576	1103

Reaction Location

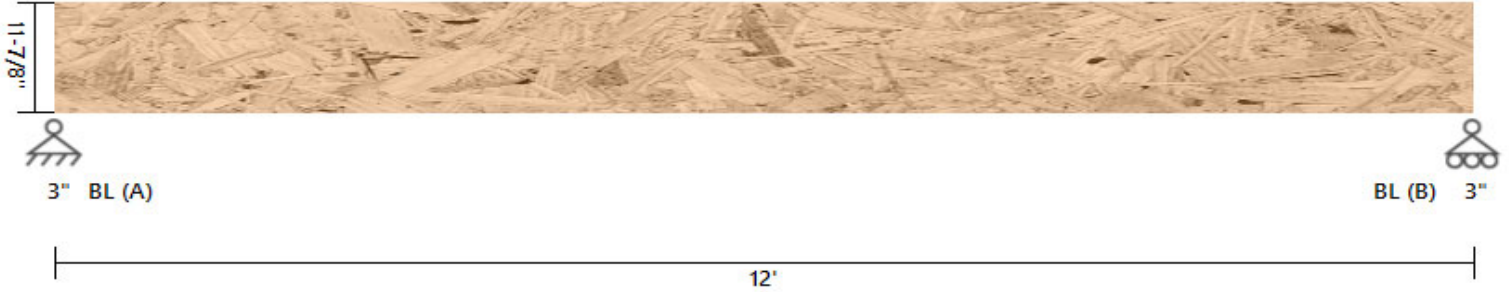


**LOAD LIST**

Type	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lbf/ft)	72	72	0	16	Live	Y
Uniform (lbf/ft)	54	54	0	16	Dead	Y
Self Weight (lbf/ft)	11.83	11.83	0	16	Dead	Y

DATE:	12/29/2022	COMPANY:	Schumacher Homes
STRUCALC BUILD:	StruCalc Plus	DESIGNED BY:	Dan Fishtorn
CUSTOMER:	Bass DU700 022 0177	REVIEWED BY:	Dan Fishtorn
PROJ. ADDRESS:	--	PROJECT NAME:	Bass DU700 022 0177
LEVEL:	Main Floor	LOADING:	ASD
MEMBER NAME:	foyer beam	CODE:	2021 International Building Code
MEMBER TYPE:	FLOOR BEAM	NDS:	2018 NDS
MATERIAL:	Structural Composite Lumber		
Louisiana Pacific	2.0E LVL	(2) 1.75 X 11.875	DRY

**foyer beam DIAGRAM**



**BEAM PROPERTIES**

Start (ft): 0 End (ft): 12 Member Slope: 0/12 Actual Length (ft): 12

Area	Ix	Iy	BSW	Lams	Cfn	Kcr
(in <sup>2</sup> )	(in <sup>4</sup> )	(in <sup>4</sup> )	(lbf/ft)			Creep Factor
41.56	488.41	10.61	11.83	2	9	1

**STRENGTH PROPERTIES**

	Fb (psi)	Ft (psi)	Fv (psi)	Fc (psi)	Fc <sub>⊥</sub> (psi)	E (psi) x10 <sup>3</sup>	Emin (psi) x10 <sup>3</sup>
Base Values	2900	1800	285	3200	750	2000	1000
Adjusted Values	2900	1800	285	3200	750	2000	1000
C <sub>M</sub>	1	1	1	1	1	1	1
C <sub>T</sub>	1	1	1	1	1	1	1

Bending Adjustment Factors C<sub>v</sub> = 1 C<sub>r</sub> = 1 Volume factor Is applied on a load combination basis And Is Not reflected in the adjusted values

**BEAM DATA**

Span	Length (ft)	Unbraced Length (ft)		Beam End				
		Top	Bottom	Elev. Diff (ft)	CL(Top)	CL(Bottom)	CL(Left)	CL(Right)
1	12	0	12	0	1.00	0.44	1.00	1.00

**PASS-FAIL**

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	LOAD COMBO	DURATION FACTOR CD
Shear Stress Y (psi)	<b>PASS (62.6%)</b>	106.5	285.0	12	D+L	1
Bending Stress Y (psi)	<b>PASS (55.5%)</b>	1291.5	2903.4	6	D+L	1
Deflection (in)	<b>PASS (57.0%)</b>	0.172 (=L/838)	0.400 (=L/360)	6	L	
Bearing Stress (psi)	<b>PASS (62.5%)</b>	281.0	750.0	12	D+L	1

**REACTIONS**

Units for V: lbf Units for M: lbf-ft

Y axis	DEAD	LIVE	TOTAL
A	791	2160	2951
B	791	2160	2951

Reaction Location

A

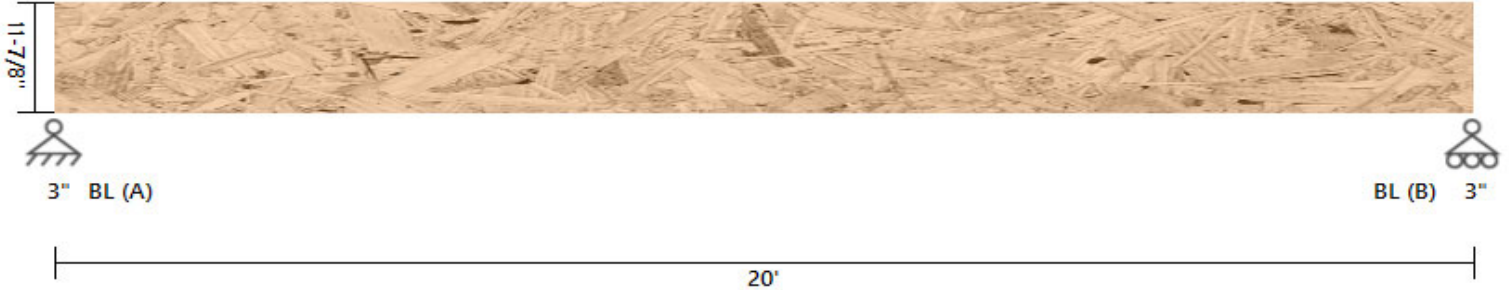
B

**LOAD LIST**

Type	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lbf/ft)	360	360	0	12	Live	Y
Uniform (lbf/ft)	120	120	0	12	Dead	Y
Self Weight (lbf/ft)	11.83	11.83	0	12	Dead	Y

DATE:	12/29/2022	COMPANY:	Schumacher Homes
STRUCALC BUILD:	StruCalc Plus	DESIGNED BY:	Dan Fishtorn
CUSTOMER:	Bass DU700 022 0177	REVIEWED BY:	Dan Fishtorn
PROJ. ADDRESS:	--	PROJECT NAME:	Bass DU700 022 0177
LEVEL:	Main Floor	LOADING:	ASD
MEMBER NAME:	great room beam	CODE:	2021 International Building Code
MEMBER TYPE:	FLOOR BEAM	NDS:	2018 NDS
MATERIAL:	Structural Composite Lumber		
Louisiana Pacific	2.0E LVL	(3) 1.75 X 11.875	DRY

great room beam DIAGRAM



BEAM PROPERTIES

Start (ft): 0 End (ft): 20 Member Slope: 0/12 Actual Length (ft): 20

Area	I <sub>x</sub>	I <sub>y</sub>	BSW	Lams	C <sub>fn</sub>	K <sub>cr</sub>
(in <sup>2</sup> )	(in <sup>4</sup> )	(in <sup>4</sup> )	(lbf/ft)			Creep Factor
62.34	732.62	15.91	17.75	3	9	1

STRENGTH PROPERTIES

	F <sub>b</sub> (psi)	F <sub>t</sub> (psi)	F <sub>v</sub> (psi)	F <sub>c</sub> (psi)	F <sub>c⊥</sub> (psi)	E (psi) x10 <sup>3</sup>	E <sub>min</sub> (psi) x10 <sup>3</sup>
Base Values	2900	1800	285	3200	750	2000	1000
Adjusted Values	2900	1800	285	3200	750	2000	1000
C <sub>M</sub>	1	1	1	1	1	1	1
C <sub>T</sub>	1	1	1	1	1	1	1

Bending Adjustment Factors C<sub>v</sub> = 1 C<sub>r</sub> = 1 Volume factor Is applied on a load combination basis And Is Not reflected in the adjusted values

BEAM DATA

Span	Length (ft)	Unbraced Length (ft)		Beam End				
		Top	Bottom	Elev. Diff (ft)	CL(Top)	CL(Bottom)	CL(Left)	CL(Right)
1	20	0	20	0	1.00	0.27	1.00	1.00

PASS-FAIL

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	LOAD COMBO	DURATION FACTOR CD
Shear Stress Y (psi)	PASS (85.0%)	42.8	285.0	0	D+L	1
Bending Stress Y (psi)	PASS (70.2%)	864.3	2903.4	10	D+L	1
Deflection (in)	PASS (55.8%)	0.295 (=L/814)	0.667 (=L/360)	10	L	
Bearing Stress (psi)	PASS (85.0%)	112.9	750.0	0	D+L	1

REACTIONS

Units for V: lbf Units for M: lbf-ft

Y axis	DEAD	LIVE	TOTAL
A	578	1200	1778
B	578	1200	1778

Reaction Location

A

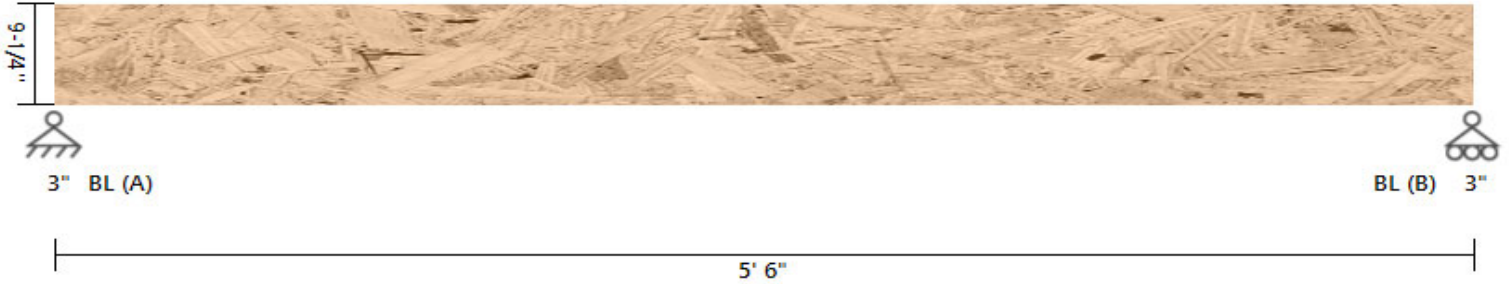
B

LOAD LIST

Type	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lbf/ft)	120	120	0	20	Live	Y
Uniform (lbf/ft)	40	40	0	20	Dead	Y
Self Weight (lbf/ft)	17.75	17.75	0	20	Dead	Y

DATE:	12/29/2022	COMPANY:	Schumacher Homes
STRUCALC BUILD:	StruCalc Plus	DESIGNED BY:	Dan Fishtorn
CUSTOMER:	Bass DU700 022 0177	REVIEWED BY:	Dan Fishtorn
PROJ. ADDRESS:	--	PROJECT NAME:	Bass DU700 022 0177
LEVEL:	Main Floor	LOADING:	ASD
MEMBER NAME:	kitchen beam	CODE:	2021 International Building Code
MEMBER TYPE:	FLOOR BEAM	NDS:	2018 NDS
MATERIAL:	Structural Composite Lumber		
Louisiana Pacific	2.0E LVL	(2) 1.75 X 9.25	DRY

**kitchen beam DIAGRAM**



**BEAM PROPERTIES**

Start (ft): 0 End (ft): 5.5 Member Slope: 0/12 Actual Length (ft): 5.5

Area	I <sub>x</sub>	I <sub>y</sub>	BSW	Lams	C <sub>fn</sub>	K <sub>cr</sub>
(in <sup>2</sup> )	(in <sup>4</sup> )	(in <sup>4</sup> )	(lbf/ft)			Creep Factor
32.38	230.84	8.26	9.22	2	9	1

**STRENGTH PROPERTIES**

	F <sub>b</sub> (psi)	F <sub>t</sub> (psi)	F <sub>v</sub> (psi)	F <sub>c</sub> (psi)	F <sub>c⊥</sub> (psi)	E (psi) x10 <sup>3</sup>	E <sub>min</sub> (psi) x10 <sup>3</sup>
Base Values	2900	1800	285	3200	750	2000	1000
Adjusted Values	2900	1800	285	3200	750	2000	1000
C <sub>M</sub>	1	1	1	1	1	1	1
C <sub>T</sub>	1	1	1	1	1	1	1

Bending Adjustment Factors C<sub>v</sub> = 1.03 C<sub>r</sub> = 1 Volume factor I<sub>s</sub> applied on a load combination basis And I<sub>s</sub> Not reflected in the adjusted values

**BEAM DATA**

Span	Length (ft)	Unbraced Length (ft)		Beam End				
		Top	Bottom	Elev. Diff (ft)	CL(Top)	CL(Bottom)	CL(Left)	CL(Right)
1	5.5	0	5.5	0	1.00	0.90	1.00	1.00

**PASS-FAIL**

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	LOAD COMBO	DURATION FACTOR CD
Shear Stress Y (psi)	<b>PASS (76.3%)</b>	67.4	285.0	5.5	D+L	1
Bending Stress Y (psi)	<b>PASS (83.9%)</b>	481.1	2985.1	2.75	D+L	1
Deflection (in)	<b>PASS (90.5%)</b>	0.017 (=L/3792)	0.183 (=L/360)	2.75	L	
Bearing Stress (psi)	<b>PASS (81.5%)</b>	138.6	750.0	0	D+L	1

**REACTIONS**

Units for V: lbf Units for M: lbf-ft

Y axis	DEAD	LIVE	TOTAL
A	383	1072	1455
B	383	1072	1455

Reaction Location

A

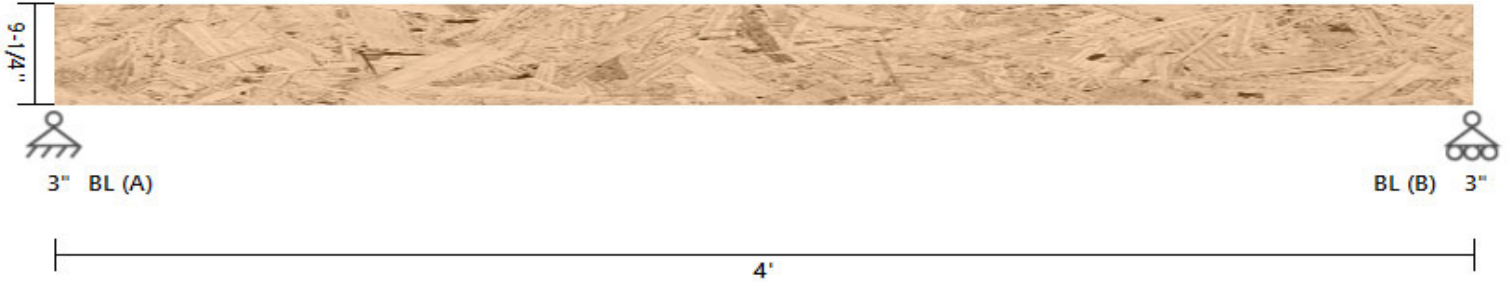
B

**LOAD LIST**

Type	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lbf/ft)	390	390	0	5.5	Live	Y
Uniform (lbf/ft)	130	130	0	5.5	Dead	Y
Self Weight (lbf/ft)	9.22	9.22	0	5.5	Dead	Y

DATE:	12/29/2022	COMPANY:	Schumacher Homes
STRUCALC BUILD:	StruCalc Plus	DESIGNED BY:	Dan Fishtorn
CUSTOMER:	Bass DU700 022 0177	REVIEWED BY:	Dan Fishtorn
PROJ. ADDRESS:	--	PROJECT NAME:	Bass DU700 022 0177
LEVEL:	Main Floor	LOADING:	ASD
MEMBER NAME:	Dining room Beam	CODE:	2021 International Building Code
MEMBER TYPE:	FLOOR BEAM	NDS:	2018 NDS
MATERIAL:	Structural Composite Lumber		
Louisiana Pacific	2.0E LVL	(2) 1.75 X 9.25	DRY

Dining room Beam DIAGRAM



BEAM PROPERTIES

Start (ft): 0 End (ft): 4 Member Slope: 0/12 Actual Length (ft): 4

Area	I <sub>x</sub>	I <sub>y</sub>	BSW	Lams	C <sub>fn</sub>	K <sub>cr</sub>
(in <sup>2</sup> )	(in <sup>4</sup> )	(in <sup>4</sup> )	(lbf/ft)			Creep Factor
32.38	230.84	8.26	9.22	2	9	1

STRENGTH PROPERTIES

	F <sub>b</sub> (psi)	F <sub>t</sub> (psi)	F <sub>v</sub> (psi)	F <sub>c</sub> (psi)	F <sub>c⊥</sub> (psi)	E (psi) x10 <sup>3</sup>	E <sub>min</sub> (psi) x10 <sup>3</sup>
Base Values	2900	1800	285	3200	750	2000	1000
Adjusted Values	2900	1800	285	3200	750	2000	1000
C <sub>M</sub>	1	1	1	1	1	1	1
C <sub>T</sub>	1	1	1	1	1	1	1

Bending Adjustment Factors C<sub>v</sub> = 1.03 C<sub>r</sub> = 1 Volume factor Is applied on a load combination basis And Is Not reflected in the adjusted values

BEAM DATA

Span	Length (ft)	Unbraced Length (ft)		Beam End				
		Top	Bottom	Elev. Diff (ft)	CL(Top)	CL(Bottom)	CL(Left)	CL(Right)
1	4	0	4	0	1.00	0.95	1.00	1.00

PASS-FAIL

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	LOAD COMBO	DURATION FACTOR CD
Shear Stress Y (psi)	PASS (85.4%)	41.6	285.0	0	D+L	1
Bending Stress Y (psi)	PASS (92.8%)	216.0	2985.1	2	D+L	1
Deflection (in)	PASS (96.9%)	0.004 (=L/11704)	0.133 (=L/360)	2	L	
Bearing Stress (psi)	PASS (88.6%)	85.6	750.0	0	D+L	1

REACTIONS

Units for V: lbf Units for M: lbf-ft

Y axis	DEAD	LIVE	TOTAL
A	238	660	898
B	238	660	898

Reaction Location

A

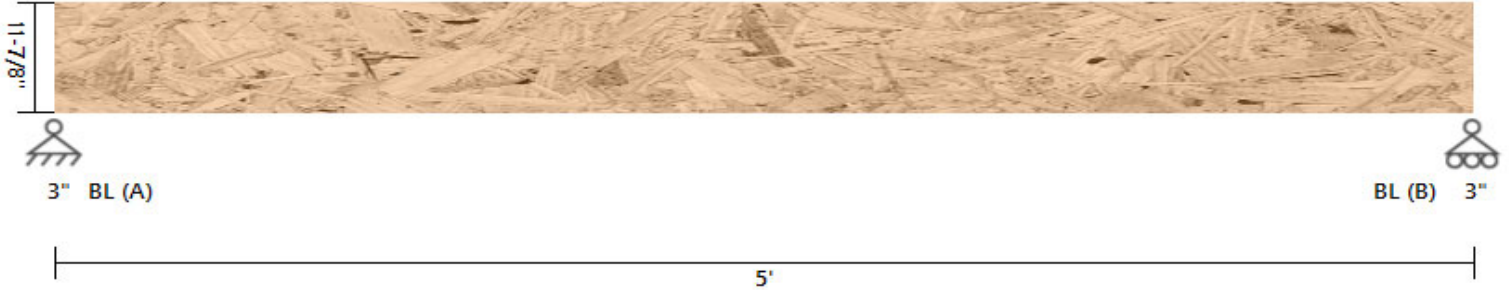
B

LOAD LIST

Type	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lbf/ft)	330	330	0	4	Live	Y
Uniform (lbf/ft)	110	110	0	4	Dead	Y
Self Weight (lbf/ft)	9.22	9.22	0	4	Dead	Y

DATE:	12/29/2022	COMPANY:	Schumacher Homes
STRUCALC BUILD:	StruCalc Plus	DESIGNED BY:	Dan Fishtorn
CUSTOMER:	Bass DU700 022 0177	REVIEWED BY:	Dan Fishtorn
PROJ. ADDRESS:	--	PROJECT NAME:	Bass DU700 022 0177
LEVEL:	Main Floor	LOADING:	ASD
MEMBER NAME:	half bath door hdr	CODE:	2021 International Building Code
MEMBER TYPE:	FLOOR BEAM	NDS:	2018 NDS
MATERIAL:	Structural Composite Lumber		
Louisiana Pacific	2.0E LVL	(3) 1.75 X 11.875	DRY

half bath door hdr DIAGRAM



BEAM PROPERTIES

Start (ft): 0 End (ft): 5 Member Slope: 0/12 Actual Length (ft): 5

Area	Ix	Iy	BSW	Lams	Cfn	Kcr
(in <sup>2</sup> )	(in <sup>4</sup> )	(in <sup>4</sup> )	(lbf/ft)			Creep Factor
62.34	732.62	15.91	17.75	3	9	1

STRENGTH PROPERTIES

	Fb (psi)	Ft (psi)	Fv (psi)	Fc (psi)	Fc⊥ (psi)	E (psi) x10 <sup>3</sup>	Emin (psi) x10 <sup>3</sup>
Base Values	2900	1800	285	3200	750	2000	1000
Adjusted Values	2900	1800	285	3200	750	2000	1000
C <sub>M</sub>	1	1	1	1	1	1	1
C <sub>T</sub>	1	1	1	1	1	1	1

Bending Adjustment Factors C<sub>V</sub> = 1 C<sub>r</sub> = 1 Volume factor Is applied on a load combination basis And Is Not reflected in the adjusted values

BEAM DATA

Span	Length (ft)	Unbraced Length (ft)		Beam End				
		Top	Bottom	Elev. Diff (ft)	CL(Top)	CL(Bottom)	CL(Left)	CL(Right)
1	5	0	5	0	1.00	0.88	1.00	1.00

PASS-FAIL

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	LOAD COMBO	DURATION FACTOR CD
Shear Stress Y (psi)	PASS (92.1%)	22.5	285.0	0	D+L	1
Bending Stress Y (psi)	PASS (97.0%)	86.6	2903.4	1	D+L	1
Deflection (in)	PASS (99.0%)	0.002 (=L/35301)	0.167 (=L/360)	2.25	L	
Bearing Stress (psi)	PASS (92.1%)	59.2	750.0	0	D+L	1

REACTIONS

Units for V: lbf Units for M: lbf-ft

Y axis	DEAD	LIVE	TOTAL
A	270	663	933
B	127	267	394

Reaction Location

A

B

LOAD LIST

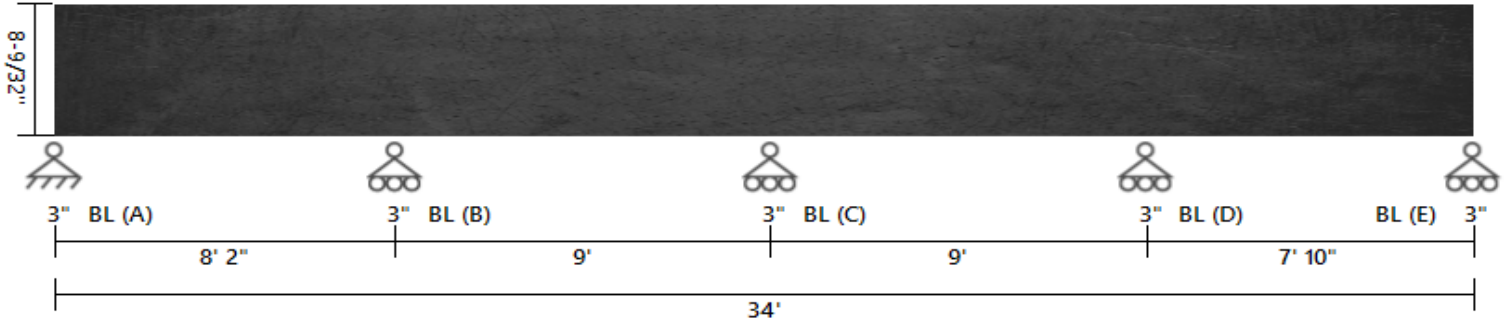
Type	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lbf/ft)	54	54	0	5	Live	Y
Uniform (lbf/ft)	14	14	0	5	Dead	Y
Self Weight (lbf/ft)	17.75	17.75	0	5	Dead	Y

**LINKED LOAD LIST**

Type	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Point (lbf)	238.4358	-	1	-	Dead	Y
Point (lbf)	660	-	1	-	Live	Y

DATE:	12/29/2022	COMPANY:	Schumacher Homes
STRUCALC BUILD:	StruCalc Plus	DESIGNED BY:	Dan Fishtorn
CUSTOMER:	Bass DU700 022 0177	REVIEWED BY:	Dan Fishtorn
PROJ. ADDRESS:	--	PROJECT NAME:	Bass DU700 022 0177
LEVEL:	Basement	LOADING:	ASD
MEMBER NAME:	Basement Steel Beam	CODE:	2021 International Building Code
MEMBER TYPE:	FLOOR BEAM	AISC:	AISC 360-16
MATERIAL:	Steel		
W Shapes	W8x21	A36-36	

**Basement Steel Beam DIAGRAM**



**BEAM PROPERTIES**

Start (ft): 0 End (ft): 34 Member Slope: 0/12 Actual Length (ft): 34

Es x10 <sup>3</sup>	Fy x10 <sup>3</sup>	Fu x10 <sup>3</sup>	Area	depth	tw	tf	bf	Ix	Iy	Zx	Zy	J	Cw
(psi)	(psi)	(psi)	(in <sup>2</sup> )	(in)	(in)	(in)	(in)	(in <sup>4</sup> )	(in <sup>4</sup> )	(in <sup>3</sup> )	(in <sup>3</sup> )	(in <sup>4</sup> )	(in <sup>6</sup> )
29000	36	58	6.16	8.28	0.25	0.4	5.27	75.3	9.77	20.4	5.69	0.282	152

**DESIGN PROPERTIES**

Lp	Lr	Flange	Web	Flange	Web	Cv	Cv_WA
(in)	(in)	Flexure	Flexure	Compression	Compression		
63	231	Compact	Compact	Non-Slender	Non-Slender	1	1

**BEAM DATA**

Span	Length	Unbraced Length		Beam End									
		Top	Bottom	Elev. Diff	Pnt/ι	Pnc/ι	Mn/ι	Mn-OOP/ι	Vn/ι	Vn-OOP/ι	Cb	Cb-OOP	
1	8.1667	0	8.1667	0	0	0	0	0	0	0	0	1.822	1
1	9	0	9	0	0	0	0	0	0	0	0	2.393	1
1	9	0	9	0	0	0	0	0	0	0	0	2.222	1
1	7.833	0	7.833	0	0	0	0	0	0	0	0	1.906	1

**PASS-FAIL**

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	AISC CODE	LOAD COMBO
Shear Force Y (lbf)	<b>PASS (79.1%)</b>	-6237.9	29808.0	8.16	G2-1	D+L
Moment Y (lbf-ft)	<b>PASS (74.3%)</b>	9418.7	36646.7	8.16	F2-1	D+L
Deflection (in)	<b>PASS (93.5%)</b>	0.027 (=L/3684)	0.408 (=L/240)	3.4		D+L

**REACTIONS**

Y axis	DEAD	LIVE	TOTAL
A	1728	2201	3929
B	5285	6732	12017
C	4808	6124	10932
D	5173	6589	11762
E	1638	2086	3724

Reaction Location



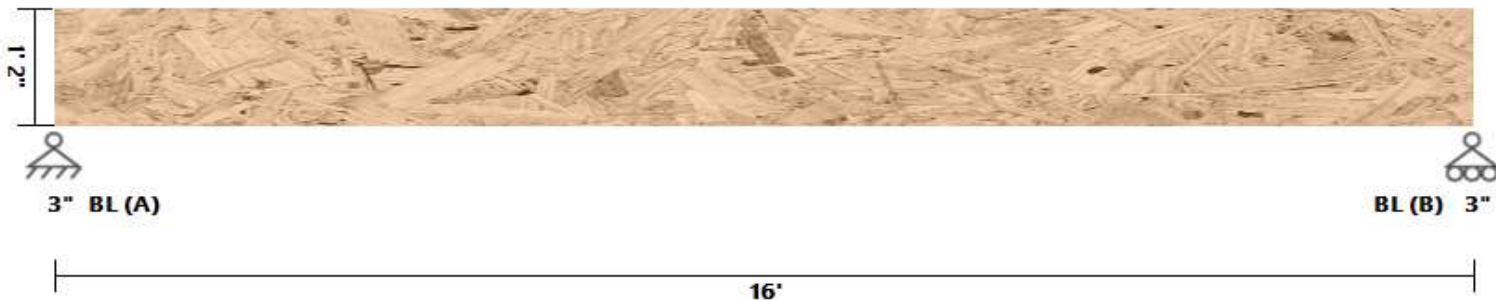


**LOAD LIST**

Type	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lb/ft)	596	596	0	33.9997	Live	Y
Uniform (lb/ft)	450	450	0	33.9997	Dead	Y
Uniform (lb/ft)	102	102	0	33.9997	Live	Y
Uniform (lb/ft)	77	77	0	33.9997	Dead	Y
Self Weight (lb/ft)	21	21	0	33.9997	Dead	Y

DATE:	12/29/2022	COMPANY:	Schumacher Homes
STRUCALC BUILD:	StruCalc Plus	DESIGNED BY:	Dan Fishtorn
CUSTOMER:	Bass DU700 022 0177	REVIEWED BY:	Dan Fishtorn
PROJ. ADDRESS:	--	PROJECT NAME:	Bass DU700 022 0177
LEVEL:	Main Floor	LOADING:	ASD
MEMBER NAME:	Garage Door Header	CODE:	2021 International Building Code
MEMBER TYPE:	FLOOR BEAM	NDS:	2018 NDS
MATERIAL:	Structural Composite Lumber		
Louisiana Pacific	2.0E LVL	(2) 1.75 X 14	DRY

Garage Door Header DIAGRAM



BEAM PROPERTIES

Start (ft): 0 End (ft): 16 Member Slope: 0/12 Actual Length (ft): 16

Area	Ix	Iy	BSW	Lams	Cfn	Kcr
(in <sup>2</sup> )	(in <sup>4</sup> )	(in <sup>4</sup> )	(lbf/ft)			Creep Factor
49	800.33	12.51	13.95	2	9	1

STRENGTH PROPERTIES

	Fb (psi)	Ft (psi)	Fv (psi)	Fc (psi)	Fc⊥ (psi)	E (psi) x10 <sup>3</sup>	Emin (psi) x10 <sup>3</sup>
Base Values	2900	1800	285	3200	750	2000	1000
Adjusted Values	2900	1800	285	3200	750	2000	1000
C <sub>M</sub>	1	1	1	1	1	1	1
C <sub>T</sub>	1	1	1	1	1	1	1

Bending Adjustment Factors C<sub>V</sub> = 0.98 C<sub>r</sub> = 1 Volume factor Is applied on a load combination basis And Is Not reflected in the adjusted values

BEAM DATA

Span	Length (ft)	Unbraced Length (ft)		Beam End				
		Top	Bottom	Elev. Diff (ft)	CL(Top)	CL(Bottom)	CL(Left)	CL(Right)
1	16	0	16	0	1.00	0.78	1.00	1.00

PASS-FAIL

	PASS/FAIL	MAGNITUDE	STRENGTH	LOCATION (ft)	LOAD COMBO	DURATION FACTOR CD
Shear Stress Y (psi)	PASS (65.8%)	121.9	356.3	0	D+Lr	1.25
Bending Stress Y (psi)	PASS (53.1%)	1672.4	3563.4	8	D+Lr	1.25
Deflection (in)	PASS (42.7%)	0.459 (=L/419)	0.800 (=L/240)	8	D+Lr	
Bearing Stress (psi)	PASS (49.4%)	379.4	750.0	0	D+Lr	1.25

REACTIONS

Units for V: lbf Units for M: lbf-ft

Y axis	DEAD	LIVE ROOF	TOTAL
A	1776	2208	3984
B	1776	2208	3984

Reaction Location

A

B

LOAD LIST

Type	Name	Left Magnitude	Right Magnitude	Load Start (ft)	Load End (ft)	Load Type	Direction
Uniform (lbf/ft)	Uniform	276	276	0	16	RoofLive	Y
Uniform (lbf/ft)	Uniform	208	208	0	16	Dead	Y
Self Weight (lbf/ft)	-	13.95	13.95	0	16	Dead	Y