

9' CEILING HEIGHT

GUTTERS AND DOWNSPOUTS




FRONT ELEVATION "CRAFTSMAN"

SCALE: 1/8" = 1'-0"

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

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

03/01/2023





REAR ELEVATION "CRAFTSMAN"

SCALE: 1/8" = 1'-0"

GENERAL NOTES

- 1.) MAIN FLOOR PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.
- 2.) OPTIONAL BONUS PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.
- 3.) INTERIOR & EXTERIOR WALLS TO BE DRAWN @ 3 1/2" UNLESS NOTED OTHERWISE.
- 4.) ALL ANGLES TO BE DRAWN AT 45° OR 90° UNLESS NOTED OTHERWISE.
- 5.) WINDOW HEADER HEIGHT TO BE SET @ 6'-11" UNLESS NOTED OTHERWISE. HEADER SIZE AND MATERIAL TO BE DETERMINED & VERIFIED BY FRAMER, BUILDER, TRUSS SHOP OR BY A LICENSED ENGINEER.
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SQUARE FOOTAGE CHART

MAIN FLOOR AREA TO FRAME	2054
COVERED FRONT ENTRY	85
COVERED REAR PATIO	183
GARAGE AREA TO FRAME	397
TOTAL UNDER BEAM AREA	2719

SUBDIVISION NAME: XXXXXXXXXXXX

CITY: XXXXXXXXXXXX

PHASE: XXXXXXXXXXXX

BLOCK: XXXXXXXXXXXX

LOT: XXXXXXXXXXXX

DRAFTING DATES:

MASTER DATE: 01/30/19  
 PRELIMINARY: 11/2/2022 JPH  
 PERM: 12.19.22 GC  
 FINAL: 1.26.23 GC

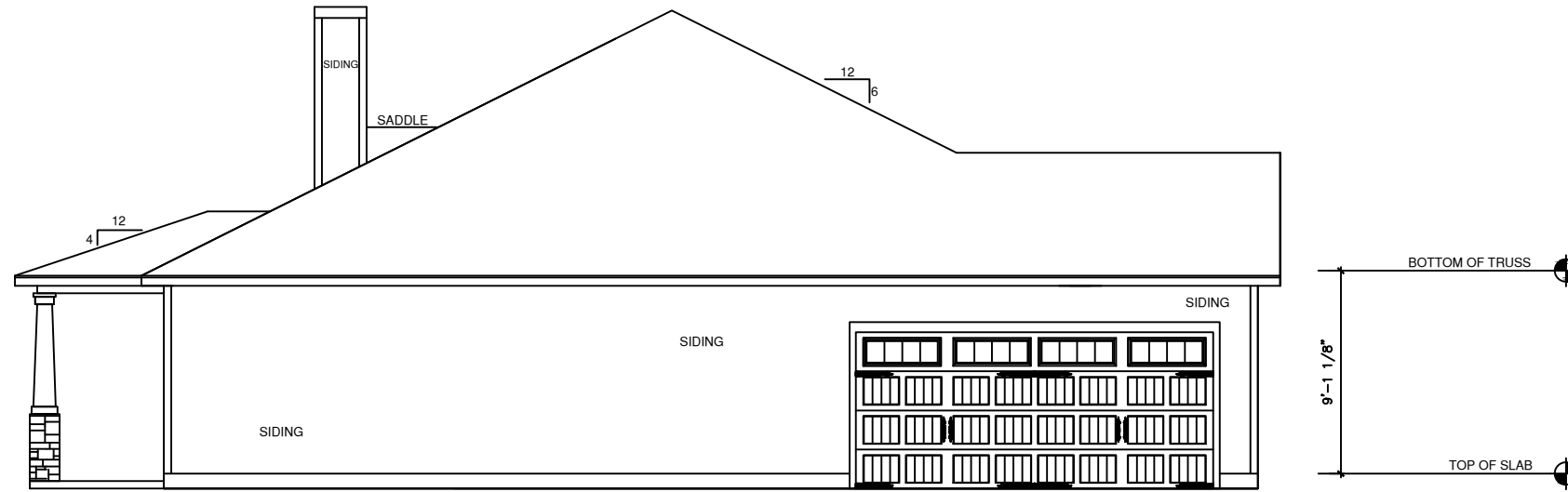
Front & Rear Elevations

LEXINGTON "CRAFTSMAN"

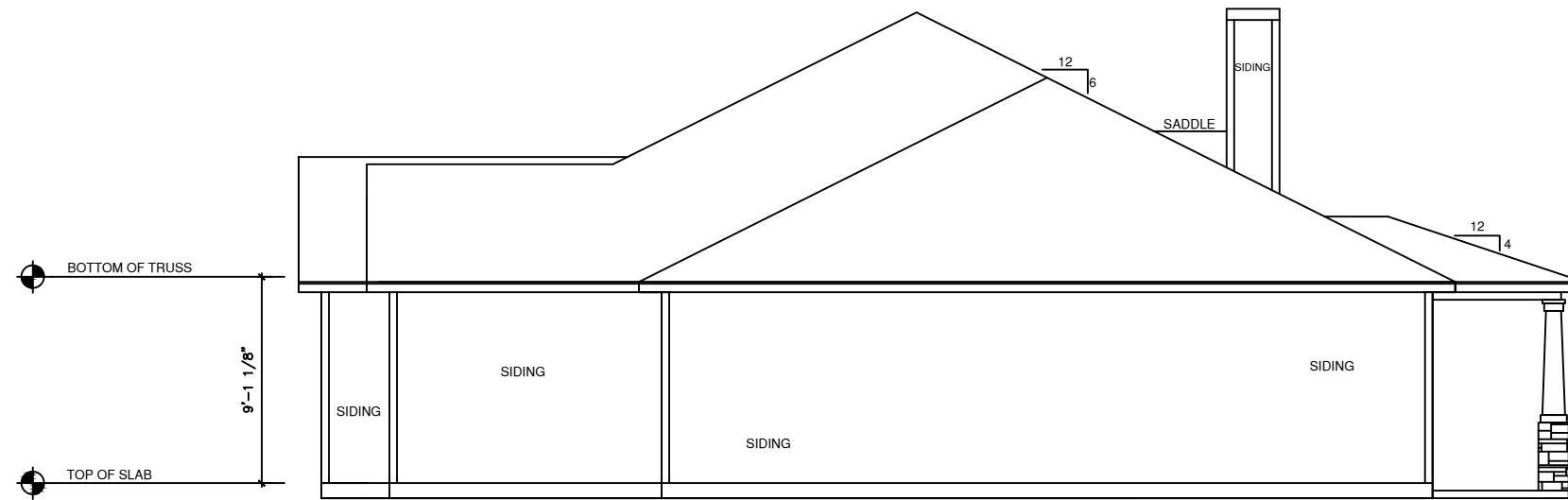
FINAL 106-22-152 JONES

9' CEILING HEIGHT

GUTTERS AND DOWNSPOUTS



LEFT ELEVATION "CRAFTSMAN"  
SCALE: 1/8" = 1'-0"



RIGHT ELEVATION "CRAFTSMAN"  
SCALE: 1/8" = 1'-0"

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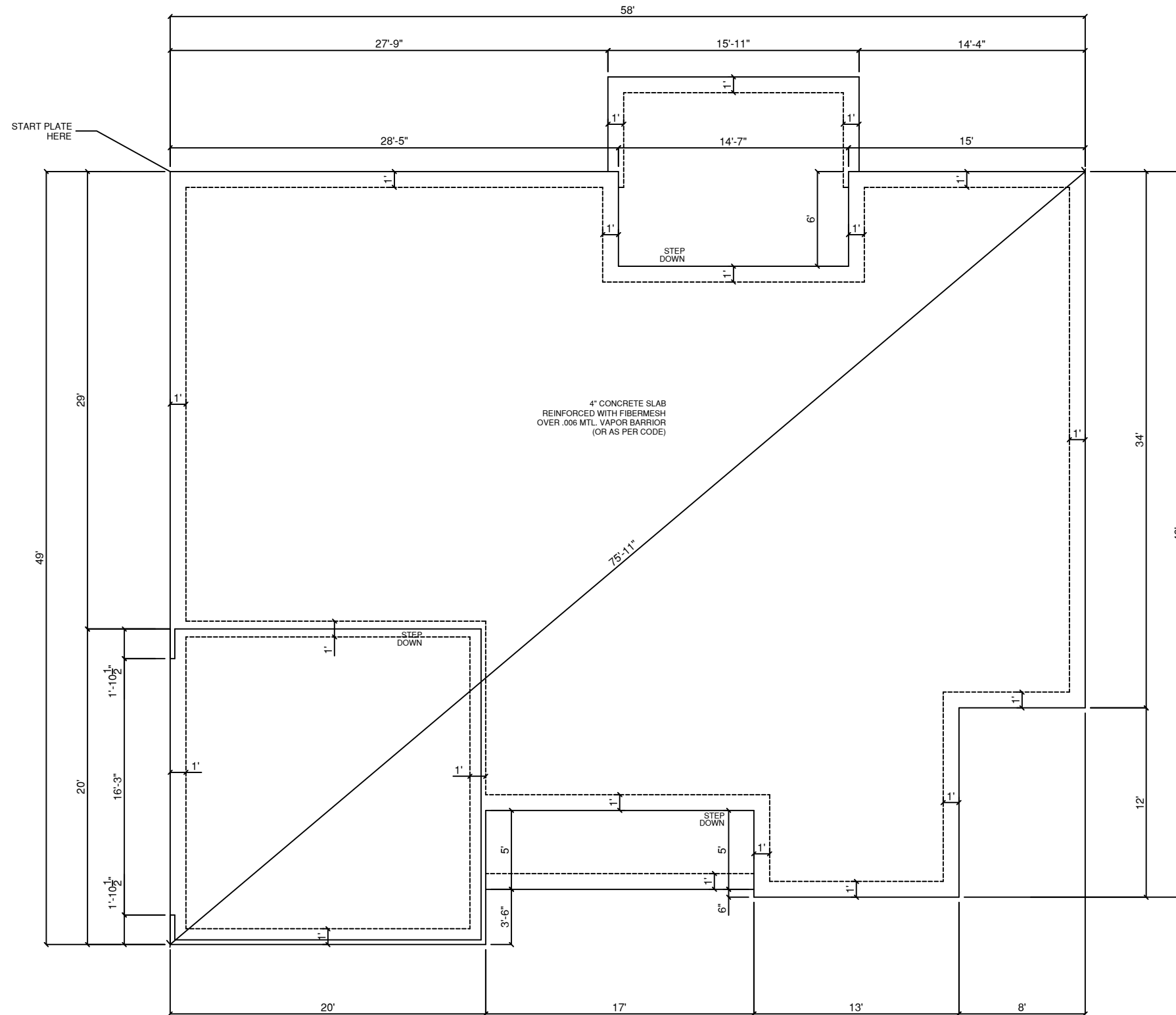
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Right & Left Elevations

LEXINGTON  
"CRAFTSMAN"

FINAL  
106-22-152 JONES



**MONOLITHIC FOUNDATION PLAN**  
SCALE 1/8" = 1'-0"

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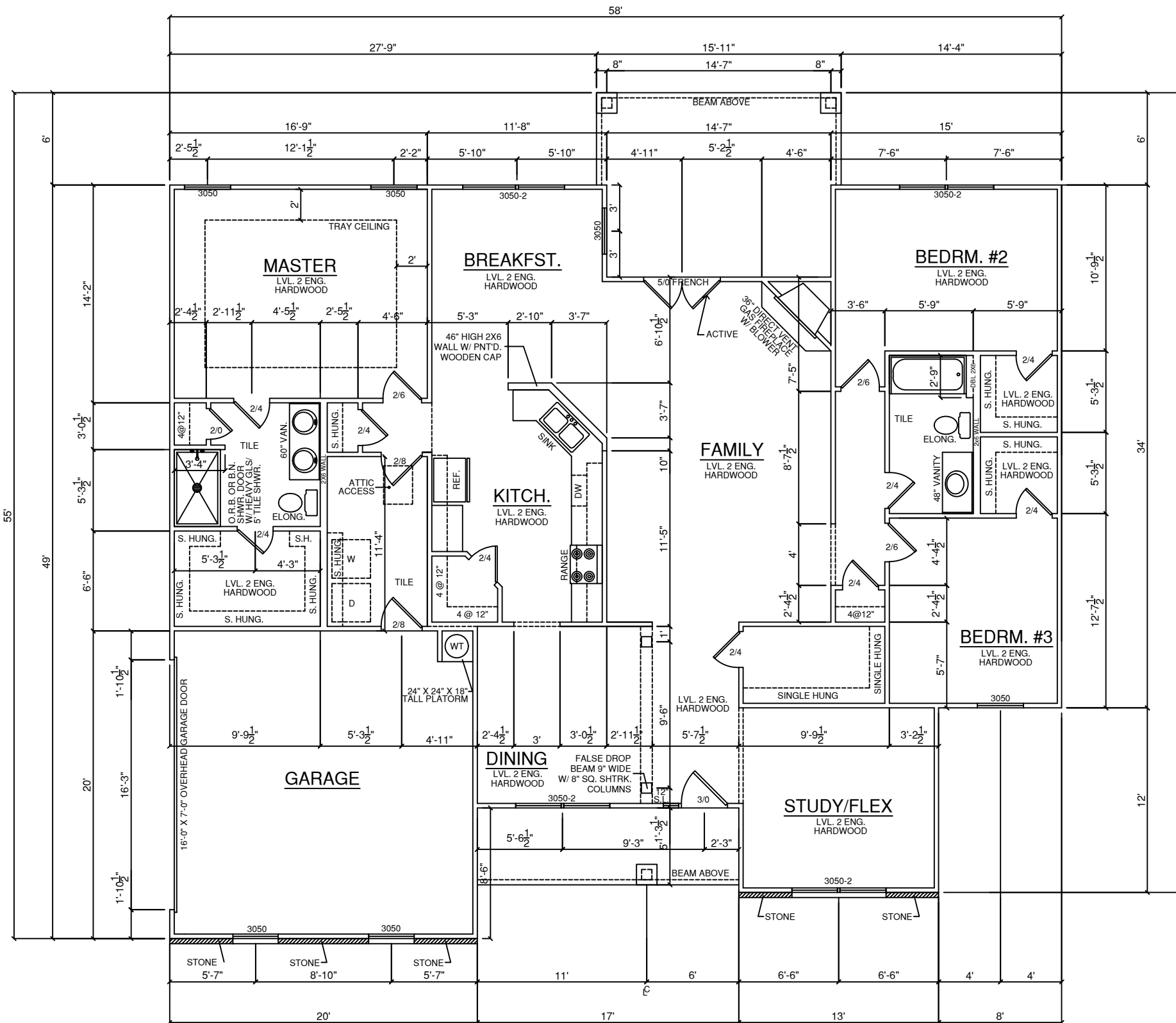
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Monolithic Foundation Plan

**LEXINGTON**  
"CRAFTSMAN"

**FINAL**  
106-22-152 JONES





**FLOOR PLAN**  
SCALE 1/8" = 1'-0"

- 9' CEILING HEIGHT
- GUTTERS AND DOWNSPOUTS
- GARAGE DOOR OPENER W/ 2 REMOTES
- KEYPAD FOR GARAGE DOOR OPENER
- 2 PANEL SQUARE TOP SMOOTH INT. DOORS
- MATTE BLACK HINGES AND ACCESSORY DOOR HARDWARE
- MATTE BLACK INT. AVILA LEVER DOOR HANDLES
- MATTE BLACK EXT. AVILA LEVER DOOR HANDLES
- MATTE BLACK AVILA DEADBOLT
- SHAKER LOOK 1X4 CASING
- LARGER 5-1/4" SPEED BASEBOARD
- WINDOW SILL AND 1X4 CASING SHAKER LOOK
- 30" & 36" STAGGERED WALL CABINETS IN KITCHEN
- LEVEL 3 KITCHEN CABINETS
- LEVEL 2 HARDWARE/HANDLES AT KITCHEN
- CERAMIC TILE BACKSPLASH AT KITCHEN
- GARBAGE DISPOSAL AT KITCHEN SINK
- QUARTZ TOPS AT KITCHEN
- UNDERMOUNT 50/50 KITCHEN SINK
- PULL-OUT TRASH CABINET IN KITCHEN
- S.S. VENT HOOD AT KITCHEN
- INCLUDED CABINETS AT MASTER BATH
- INCLUDED CABINETS AT HALL BATH
- STAND ALONE MICROWAVE
- LEVEL 4 APPLIANCES
- KITCHEN = ARBOR FAUCET MATTE BLACK
- BRANTFORD O.R.B. FAUCETS, ACCESSORIES, AND LIGHTS
- KITCHEN MOSAIC BACKSPLASH
- ELONGATED TOILETS AT BOTH BATHS
- LEVEL 3 TILE SHOWER
- INCLUDED CABINETS AT BATHROOMS
- BRANTFORD ORB FAUCETS ACCESSORIES AND LIGHTS AT BATHROOMS
- 3" MOSAIC BAND IN BACKSPLASH AT KITCHEN
- BRANTFORD MODEL: T66200RB+9000 AT BATHROOMS
- BRANTFORD MODEL: T2253EPORB+2510 AT BATHROOMS

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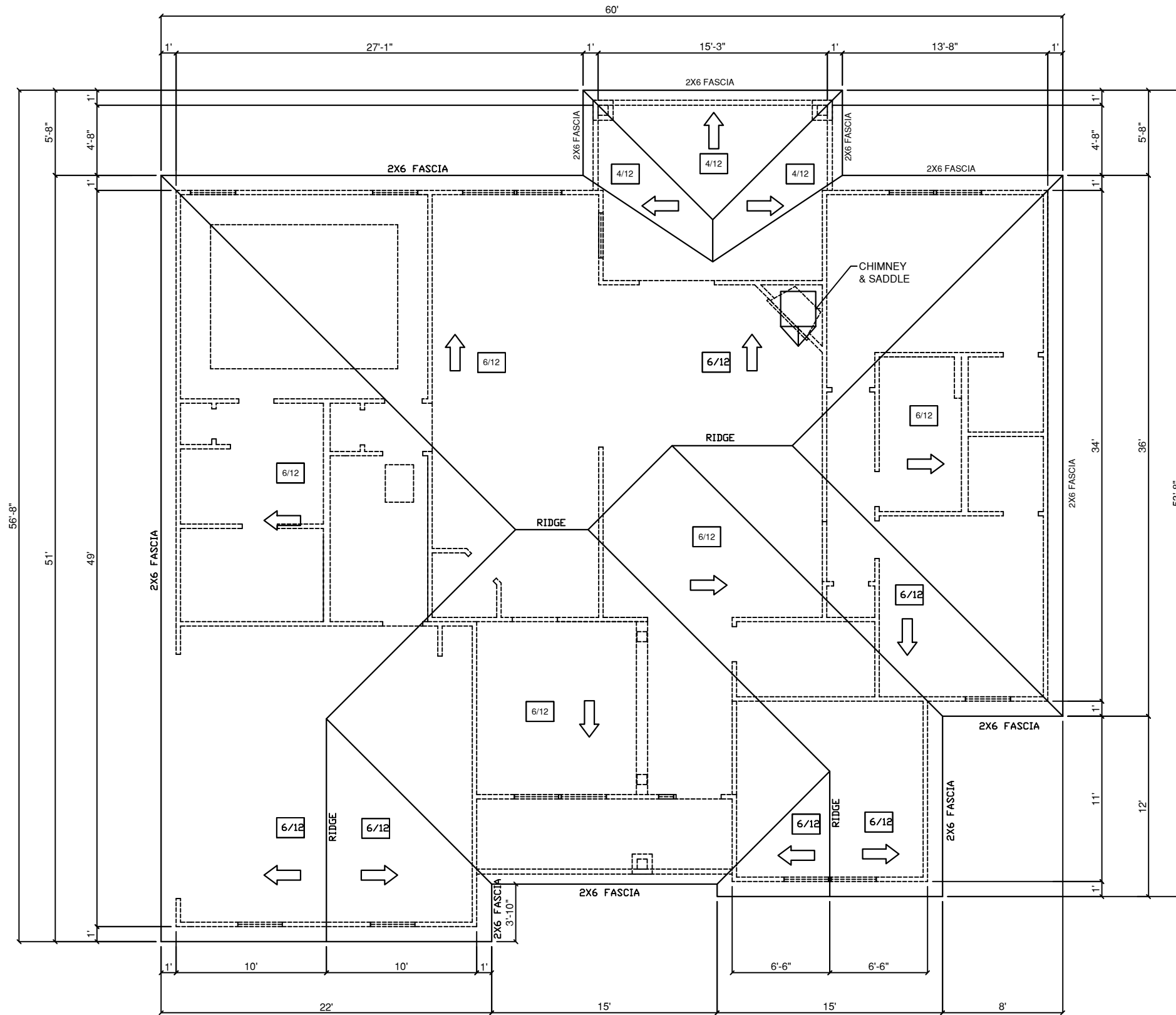
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Main Floor Plan

**LEXINGTON**  
"CRAFTSMAN"

**FINAL**  
106-22-152 JONES

9' CEILING HEIGHT  
GUTTERS AND DOWNSPOUTS



ROOF PLAN  
SCALE 1/8" = 1'-0"

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Roof Plan

LEXINGTON  
"CRAFTSMAN"

FINAL  
106-22-152 JONES

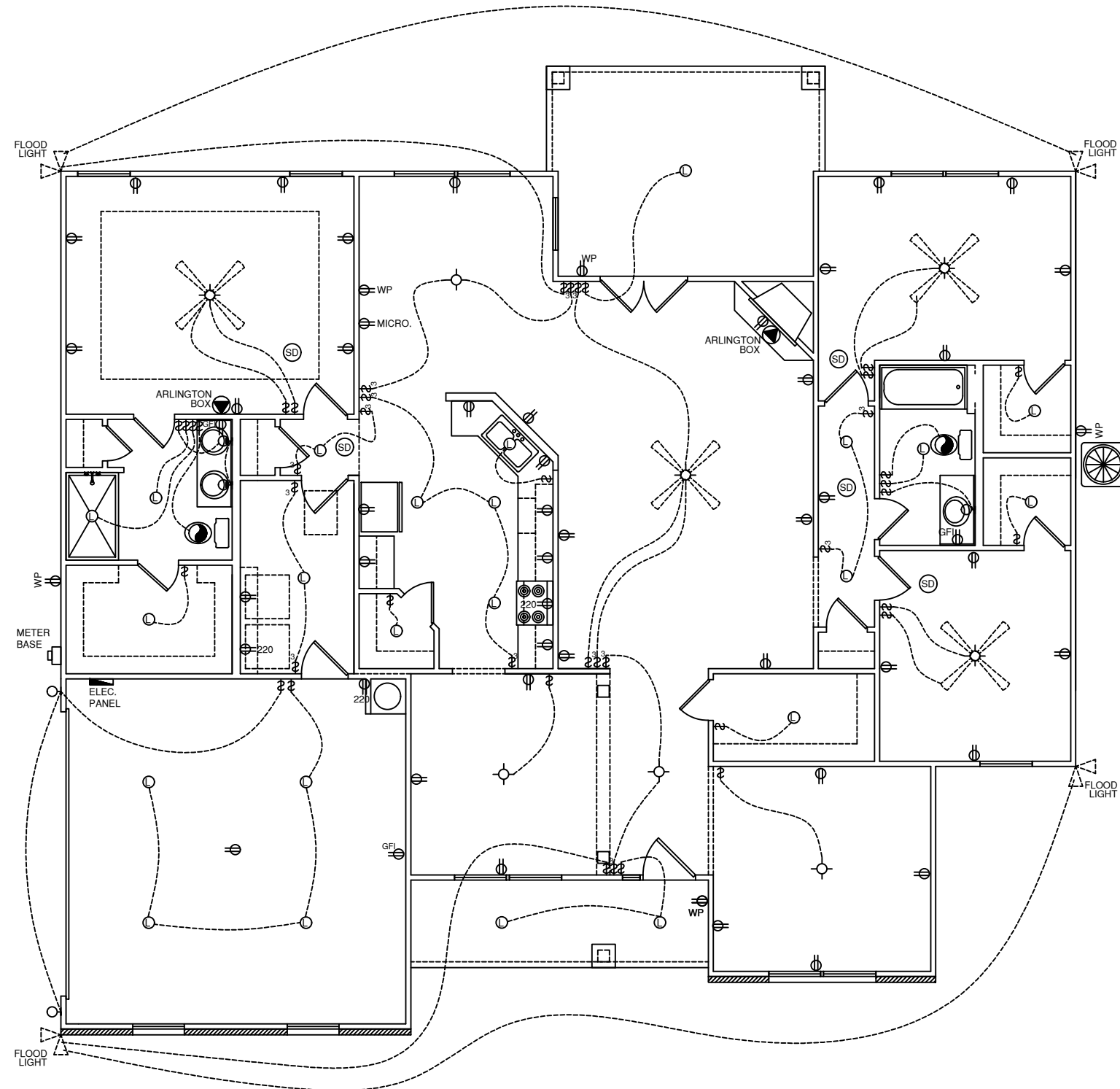
### ELECTRICAL LEGEND

	DUPLEX OUTLET
	GROUND FAULT INTERRUPTER OUTLET
	WATER PROOF OUTLET
	220 VOLT OUTLET
	SINGLE POLE SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	LIGHT, SURFACE MOUNTED
	LIGHT, L.E.D. RECESSED MOUNTED
	LIGHT, PENDANT
	LIGHT, COACH / VANITY
	LIGHT, UNDER WALL CABINET
	LIGHT, OUTDOOR FLOOD
	EXHAUST FAN
	SMOKE DETECTOR
	THERMOSTAT
	CEILING FAN WITH LIGHT
	CEILING FAN PRE-WIRE AT LIGHT
	RECEPTACLE, PHONE
	RECEPTACLE, CAT CABLE
	RECEPTACLE, T.V. CABLE
	ELECTRICAL PANEL
	METER BASE
	CHIME BELL, DOOR
	EAVE LIGHT

### ELECTRICAL NOTES

- ALL ELECTRICAL TO MEET N.E.C.
- PROVIDE 200 AMP SINGLE PHASE SERVICE
- PROVIDE ALL COPPER WIRING
- CONTRACTOR TO CONNECT ALL FIXTURES AND APPLIANCES
- CONTRACTOR TO HAVE VALID LICENSE TO DO ELECTRICAL WORK
- PROVIDE #5 REBAR ELECTRICAL GROUND TO FOUNDATION STEEL
- PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES
- PROVIDE AND INSTALL GROUND FAULT CIRCUIT- INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRICAL CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES
- UNLESS OTHERWISE INDICATED, INSTALL SWITCHES & RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE THE FINISHED FLOOR:
 

SWITCHES	42"
OUTLETS	14"
TELEPHONE	14"
TELEVISION	14"



**ELECTRICAL PLAN**  
SCALE 1/8" = 1'-0"

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Main Floor Electric

LEXINGTON  
"CRAFTSMAN"

**FINAL**  
106-22-152 JONES

### CABINET LEGEND

WC: WALL CABINET  
WCC: WALL CORNER CABINET  
B: BASE CABINET  
SB: SINK BASE  
CB: CORNER BASE

30" & 36" STAGGERED WALL CABINETS IN KITCHEN

LEVEL 3 KITCHEN CABINETS

LEVEL 2 HARDWARE/HANDLES AT KITCHEN

CERAMIC TILE BACKSPLASH AT KITCHEN

GARBAGE DISPOSAL AT KITCHEN SINK

QUARTZ TOPS AT KITCHEN

UNDERMOUNT 50/50 KITCHEN SINK

PULL-OUT TRASH CABINET IN KITCHEN

S.S. VENT HOOD AT KITCHEN

INCLUDED CABINETS AT MASTER BATH

INCLUDED CABINETS AT HALL BATH

STAND ALONE MICROWAVE

LEVEL 4 APPLIANCES

KITCHEN = ARBOR FAUCET MATTE BLACK

BRANTFORD O.R.B. FAUCETS, ACCESSORIES, AND LIGHTS

KITCHEN MOSAIC BACKSPLASH

ELONGATED TOILETS AT BOTH BATHS

LEVEL 3 TILE SHOWER

INCLUDED CABINETS AT BATHROOMS

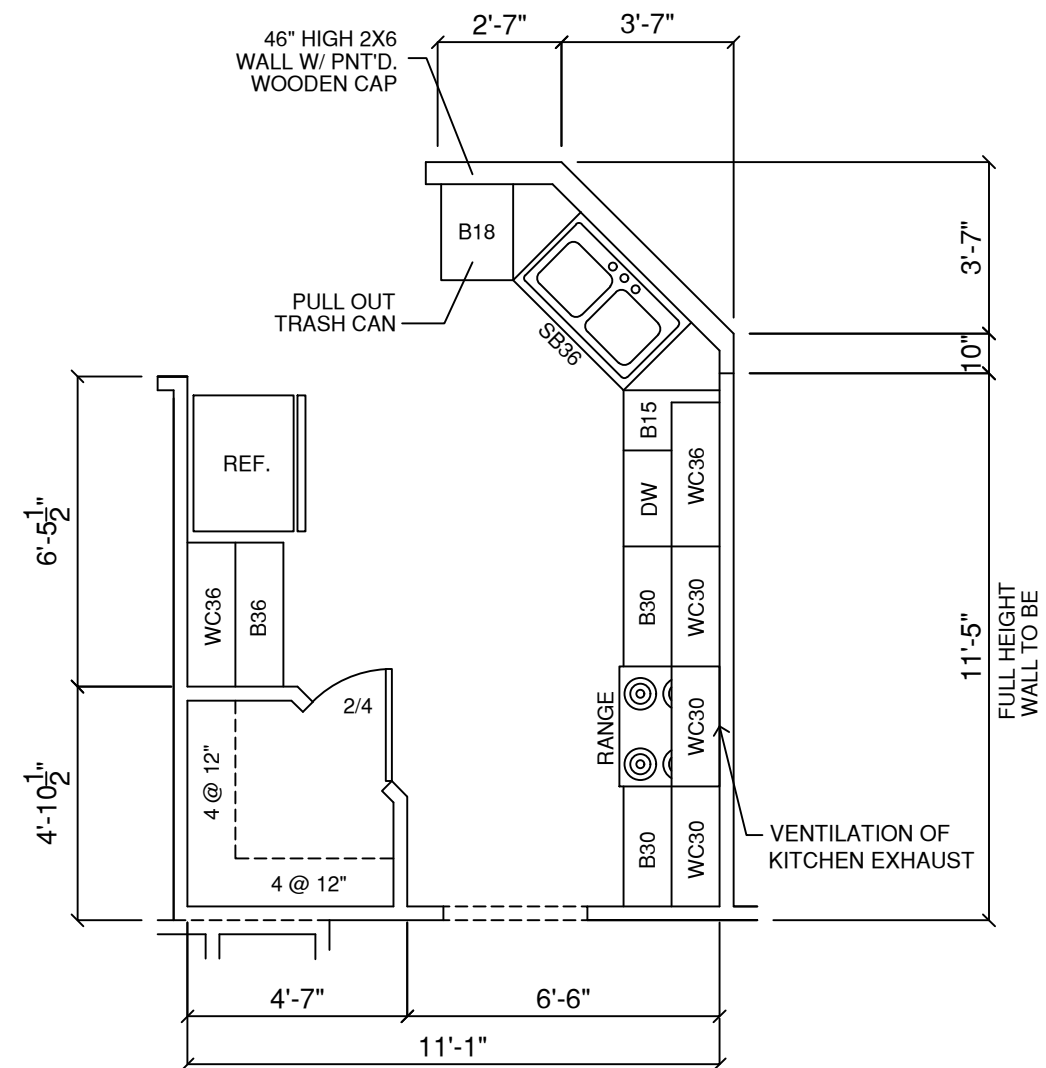
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BRANTFORD MODEL: T66200RB+9000 AT BATHROOMS

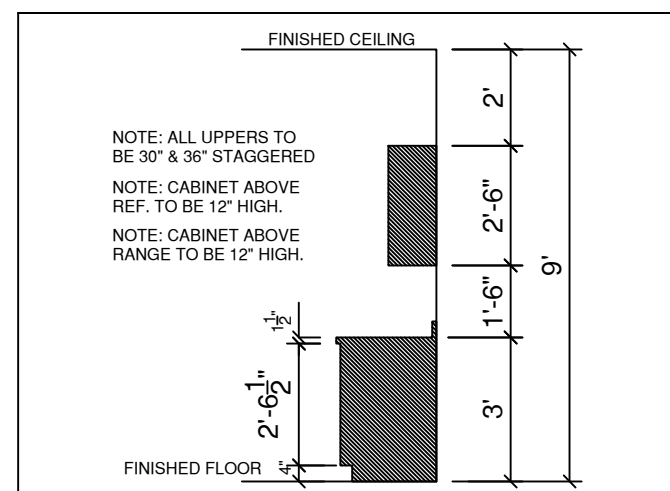
BRANTFORD MODEL: T2253EPORB+2510 AT BATHROOMS

SOFT CLOSE CABINETS



### OPTIONAL KITCHEN I

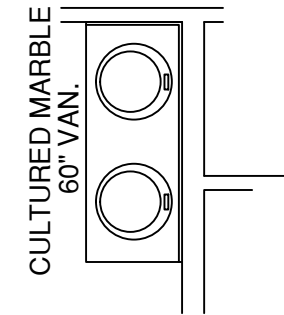
SCALE: = 1/4" = 1'-0"



### STAGGERED 30" & 36" CABINETS

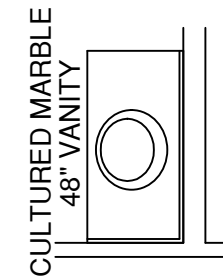
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- OPTIONAL SCRIBE TRIM MLD'G.
- OPTIONAL CROWN MLD'G.



### MASTER BATH VANITY

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



### HALL BATH VANITY

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

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Cabinet Plan

**LEXINGTON**  
"CRAFTSMAN"

**FINAL**  
106-22-152 JONES





# ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park  
Fayetteville, N.C. 28309  
Phone: (910) 864-8787  
Fax: (910) 864-4444

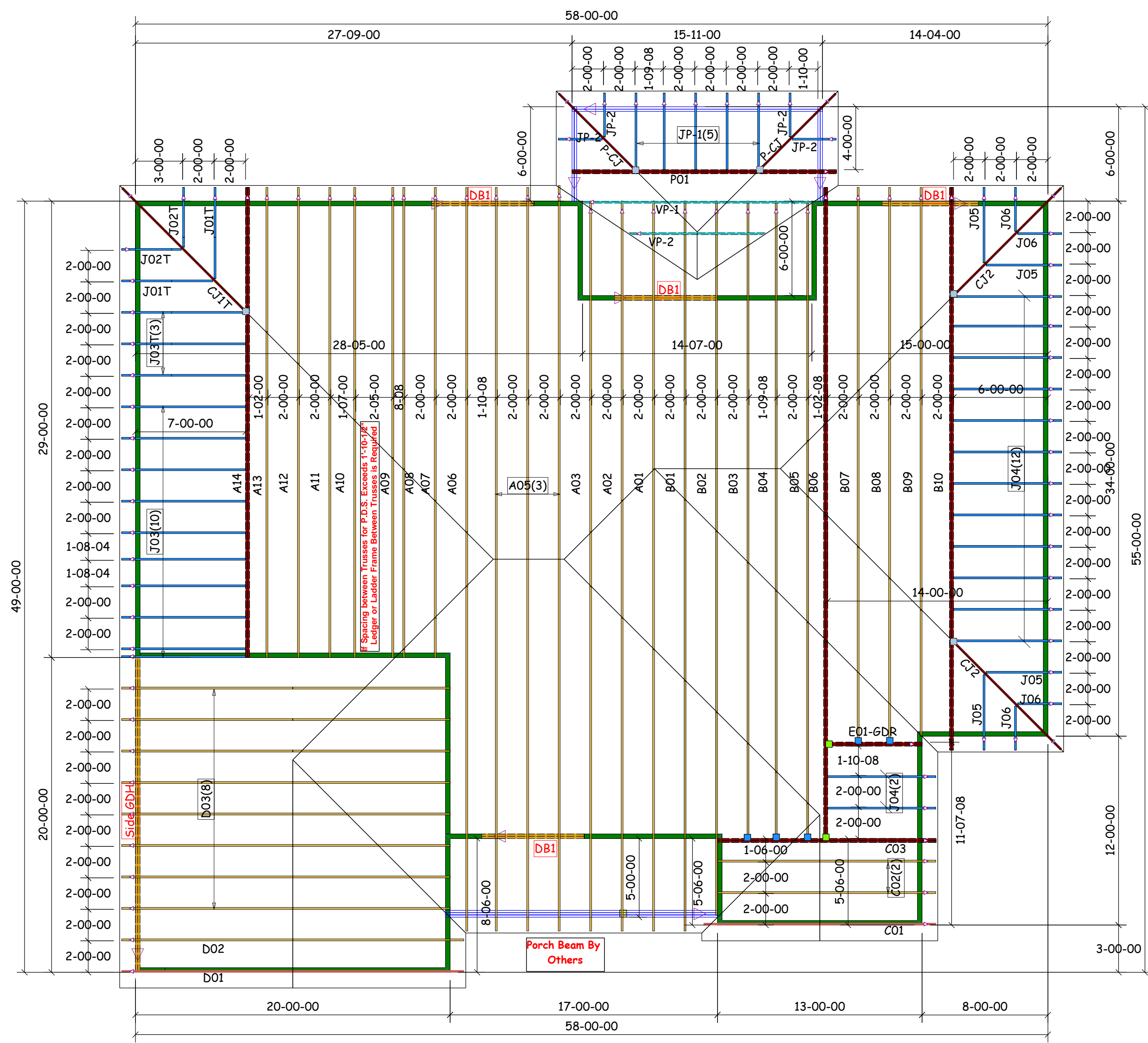
Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables ( derived from the prescriptive Code requirements ) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature  
**Marshall Naylor**

### LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))  
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (UP TO)	REQ. D. STUDS FOR (1) PLY HEADER	END REACTION (UP TO)	REQ. D. STUDS FOR (1) PLY HEADER	END REACTION (UP TO)	REQ. D. STUDS FOR (1) PLY HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				



<span style="color: blue;">■</span>	HUS26	USP	5	NA	16d/3-1/2"	16d/3-1/2"
<span style="color: grey;">■</span>	HJC26	USP	5	Varies	16d/3-1/2"	10d/3"
<span style="color: green;">■</span>	THD26-2	USP	2	NA	16d/3-1/2"	10d/3"

Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
DB1	7-00-00	1-3/4"x 9-1/4" LVL Kerto-S	2	8	FF
Side GDH	20-00-00	1-3/4"x 16" LVL Kerto-S	2	2	FF

BUILDER	JOB NAME	PLAN	SEAL DATE	QUOTE #	JOB #
Red Door Homes	106-22-152 Jones	Lexington Hip Full FP/BP 3C	N/A	B0319-1367	J0123-0054
COUNTY	ADDRESS	MODEL	DATE REV.	DRAWN BY	SALESMAN
Harnett	Spring Hill Church Rd	Roof	02/21/23	Marshall Naylor	Marshall Naylor

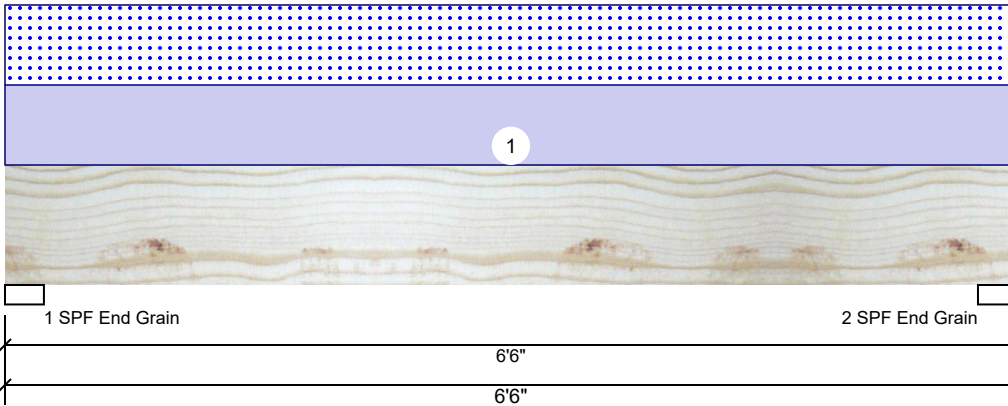
Truss Placement Plan  
SCALE: 3/16"=1'

△ = Indicates Left End of Truss  
(Reference Engineered Truss Drawing)  
Do NOT Erect Truss Backwards

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 BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com

**DB1 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC 2012
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II		
Temperature:	Temp <= 100°F		

**Reactions UNPATTERNED lb (Uplift)**

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1908	1885	0	0
2	Vertical	0	1908	1885	0	0

**Bearings**

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.000"	Vert	43%	1908 / 1885	3793	L	D+S
2 - SPF End Grain	3.000"	Vert	43%	1908 / 1885	3793	L	D+S

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	5474 ft-lb	3'3"	14423 ft-lb	0.379 (38%)	D+S	L
Unbraced	5474 ft-lb	3'3"	10451 ft-lb	0.524 (52%)	D+S	L
Shear	2607 lb	1' 1/4"	7943 lb	0.328 (33%)	D+S	L
LL Defl inch	0.049 (L/1486)	3'3"	0.153 (L/480)	0.323 (32%)	S	L
TL Defl inch	0.100 (L/738)	3'3"	0.204 (L/360)	0.488 (49%)	D+S	L

**Design Notes**

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Girders are designed to be supported on the bottom edge only.
- 3 Multiple plies must be fastened together as per manufacturer's details.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at end bearings.
- 6 Bottom must be laterally braced at end bearings.
- 7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	580 PLF	0 PLF	580 PLF	0 PLF	0 PLF	Roof
	Self Weight				7 PLF					

**Notes**

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

**Lumber**

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

**Handling & Installation**

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 11/3/2024

**Manufacturer Info**

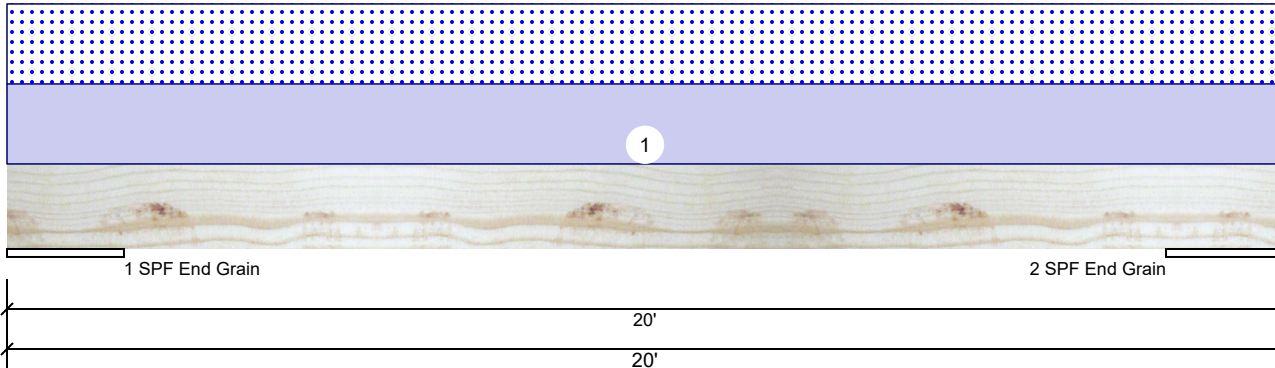
Metsä Wood  
 301 Merritt 7 Building, 2nd Floor  
 Norwalk, CT 06851  
 (800) 622-5850  
[www.metsawood.com/us](http://www.metsawood.com/us)

Comtech, Inc.  
 1001 S. Reilly Road, Suite #639  
 Fayetteville, NC  
 USA  
 28314  
 910-864-TRUS



**Side GDH Kerto-S LVL 1.750" X 16.000" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC 2012
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II		
Temperature:	Temp <= 100°F		

**Reactions UNPATTERNED lb (Uplift)**

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	2624	2500	0	0
2	Vertical	0	2624	2500	0	0

**Bearings**

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	22.000"	Vert	8%	2624 / 2500	5124	L	D+S
2 - SPF End Grain	22.000"	Vert	8%	2624 / 2500	5124	L	D+S

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	17395 ft-lb	10'	39750 ft-lb	0.438 (44%)	D+S	L
Unbraced	17395 ft-lb	10'	17434 ft-lb	0.998 (100%)	D+S	L
Shear	3518 lb	3'2"	13739 lb	0.256 (26%)	D+S	L
LL Defl inch	0.191 (L/1035)	10' 1/16"	0.412 (L/480)	0.464 (46%)	S	L
TL Defl inch	0.392 (L/505)	10' 1/16"	0.549 (L/360)	0.713 (71%)	D+S	L

**Design Notes**

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Girders are designed to be supported on the bottom edge only.
- 3 Multiple plies must be fastened together as per manufacturer's details.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 6'9 1/8" o.c.
- 6 Bottom must be laterally braced at end bearings.
- 7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	250 PLF	0 PLF	250 PLF	0 PLF	0 PLF	D-Trusses
	Self Weight				12 PLF					

**Notes**

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