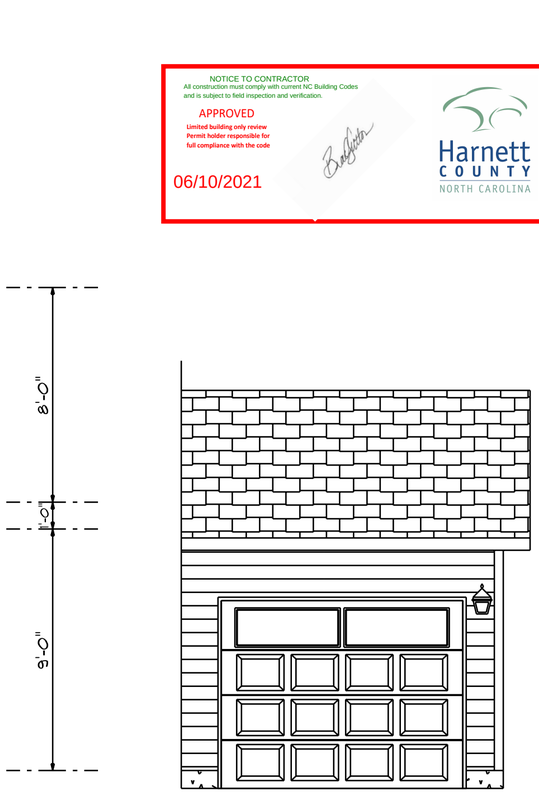
NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

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

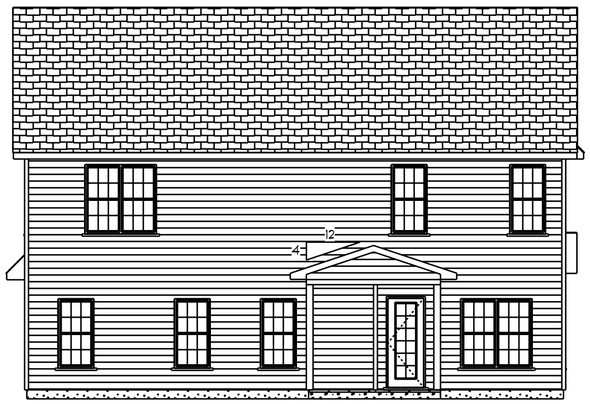
06/10/2021

Harnett COUNTY NORTH CAROLINA

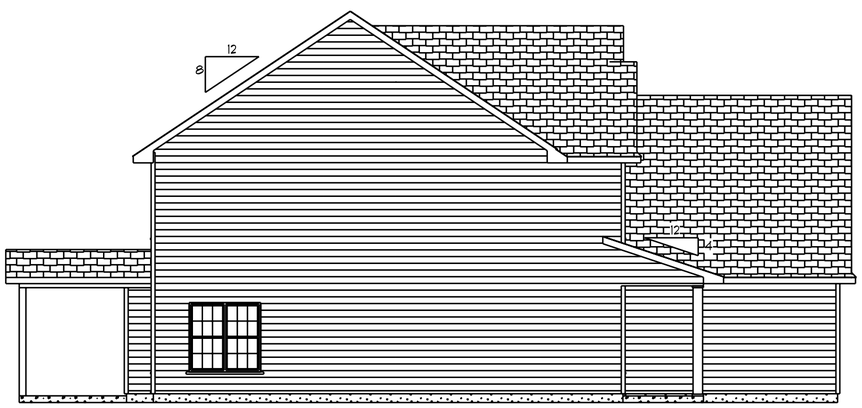
Front Elevation
Scale: 1/4"= 1'0"



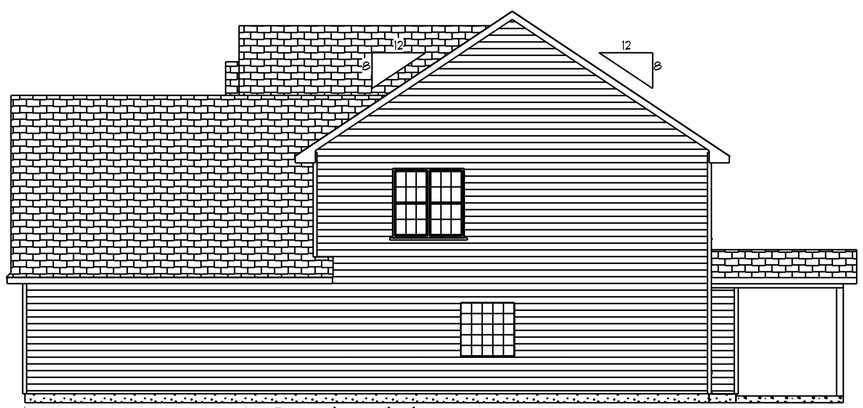
Optional Garage



Rear Elevation
Scale: 1/8"= 1'0"



Left Elevation
Scale: 1/8"= 1'0"

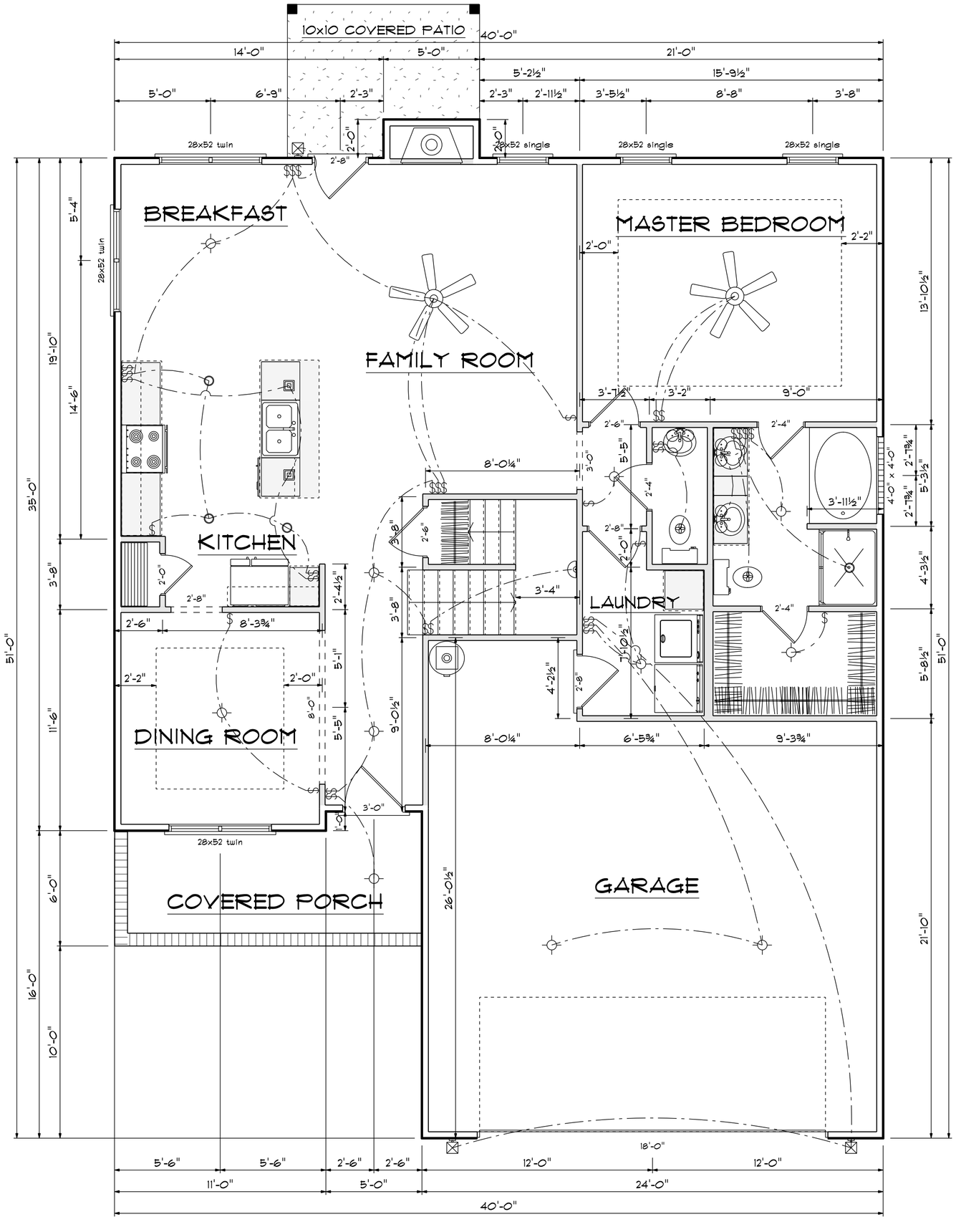


Right Elevation
Scale: 1/8"= 1'0"

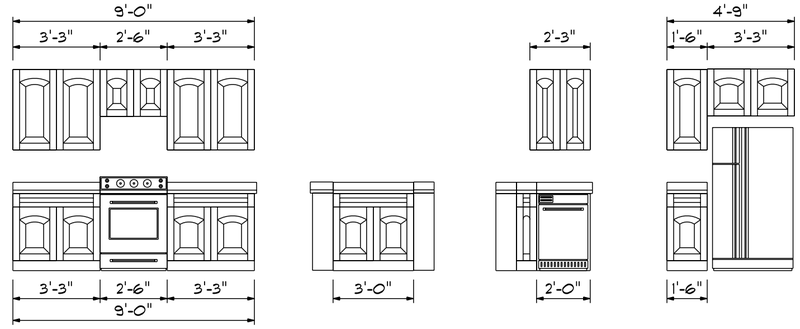
DATE: 5/27/2021
REVISED
DRAWING#

SCALE: 1/4"
DRAWN BY
APPROVED

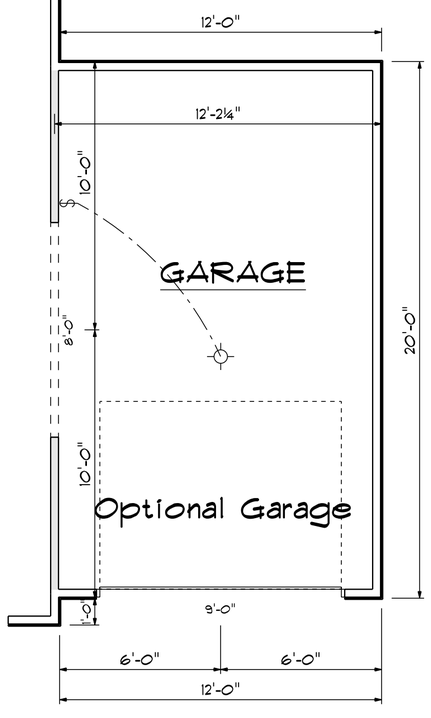
The Williams



Kitchen Cabinets



FIRST FLOOR OPENING SCHEDULE			
PRODUCT CODE	SIZE	HINGE	COUNT
36X80 COLONIAL A 1	3'-0"	R	1
32X80 FRENCH A 1	2'-8"	L	1
108X84 - 1 PANEL - GARAGE DOOR(OPT)	9'-0"	U	1
192X84 - 8 PANEL - GARAGE DOOR	18'-0"	U	1
2-0 Door Unit	2'-0"	R	1
2-4 Door Unit	2'-4"	R	1
2-4 Door Unit	2'-4"	L	2
2-6 Door Unit	2'-6"	R	1
2-6 Door Unit	2'-6"	L	1
2-8 Door Unit	2'-8"	R	2
28x52 single	2'-8" x 5'-2"	N	3
28x52 twin	5'-4" x 5'-2"	NN	3
12X12 GLASS BLOCK	4'-0" x 4'-0"	N	1



Areas

First Floor	1233
Second Floor	1156
Total Heated	2389
Garage	559
Porch	100
Storage	253
Opt. Garage	240

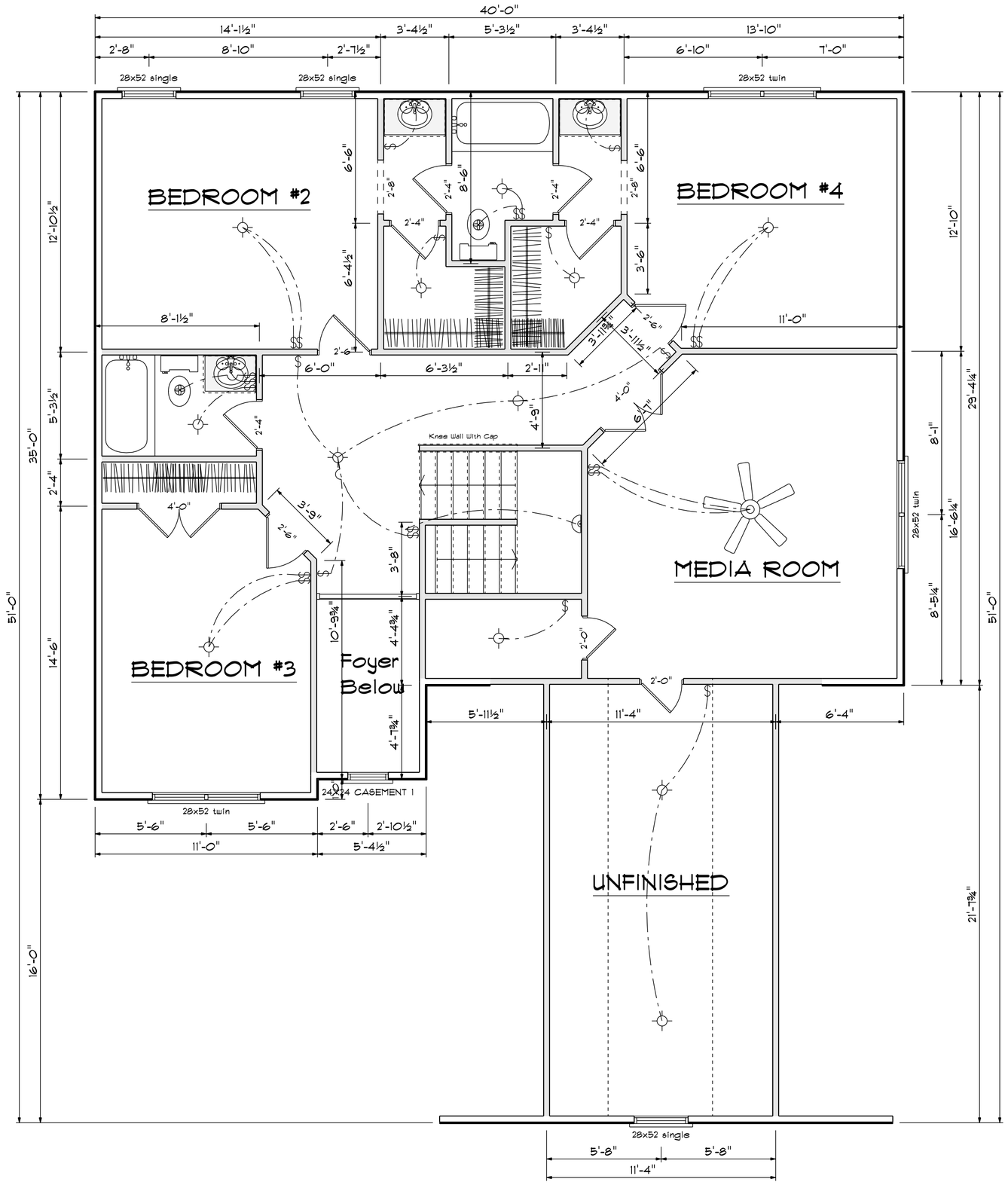
Main Floor Plan

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

DATE: 5/27/2021
REVISED
DRAWING#

SCALE: 1/4"
DRAWN BY
APPROVED

The Williams



SECOND FLOOR OPENING SCHEDULE			
PRODUCT CODE	**SIZE**	**HINGE**	**COUNT**
2-0 Door Unit	2'-0"	R	2
2-4 Door Unit	2'-4"	R	2
2-4 Door Unit	2'-4"	L	3
2-6 Door Unit	2'-6"	R	2
2-6 Door Unit	2'-6"	L	1
4-0 Doublehung Door Unit	4'-0"	LR	2
24X24 CASEMENT 1	2'-0" x 2'-0"	N	1
28x52 single	2'-8" x 5'-2"	N	3
28x52 twin	5'-4" x 5'-2"	NN	3

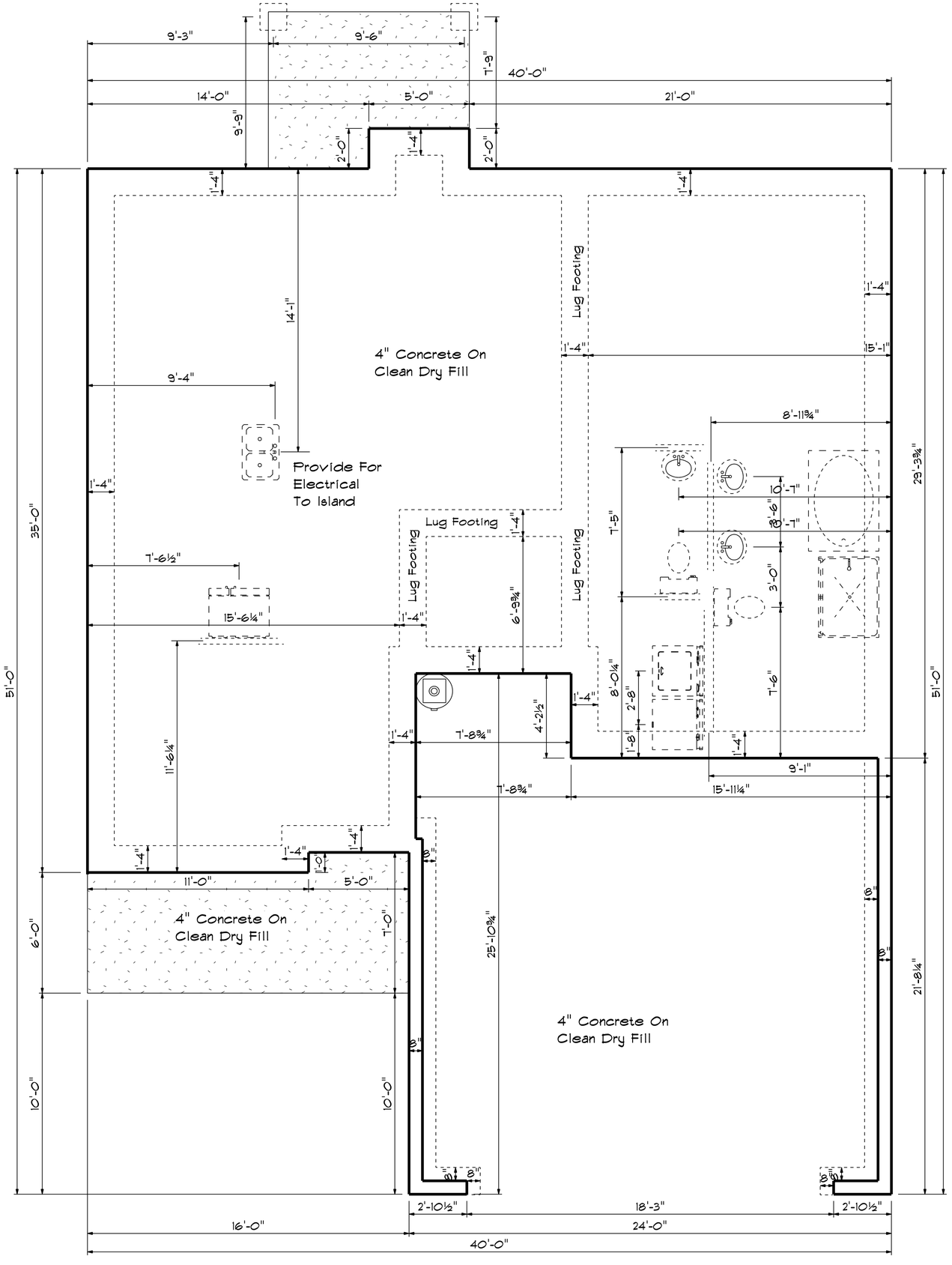
Second Floor Plan

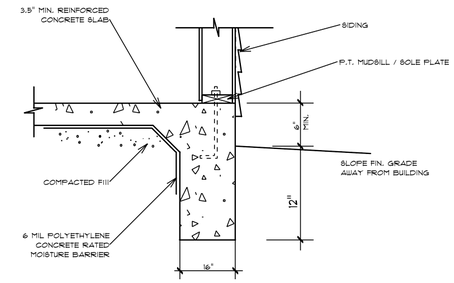
Scale: 1/4"= 1'-0"

DATE: 5/27/2021
REVISED
DRAWING#

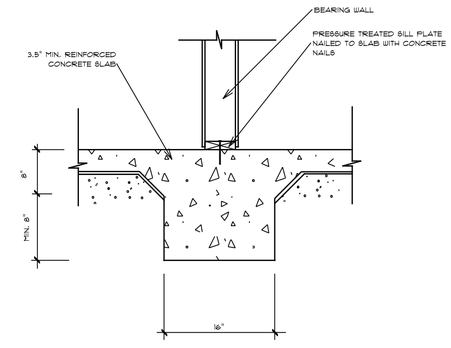
SCALE: 1/4"
DRAWN BY
APPROVED

The Williams

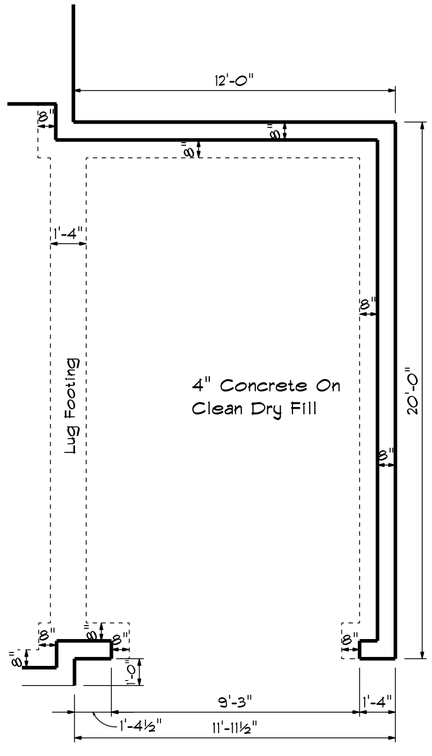




TURN-DOWN
FOOTING DETAIL



INTEGRAL SLAB FOOTING
DETAIL AT BEARING WALL



Optional Garage

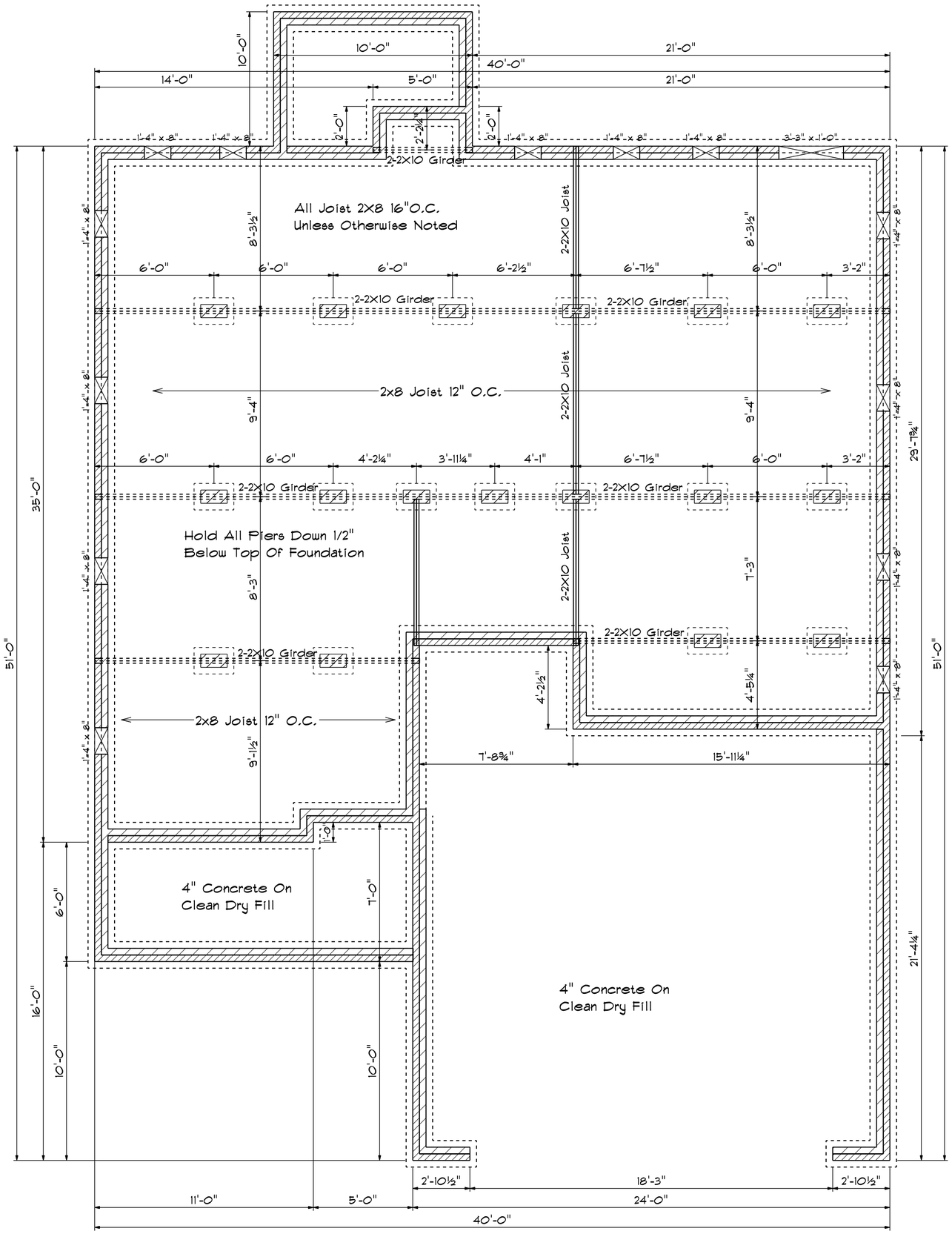
Foundation Plan

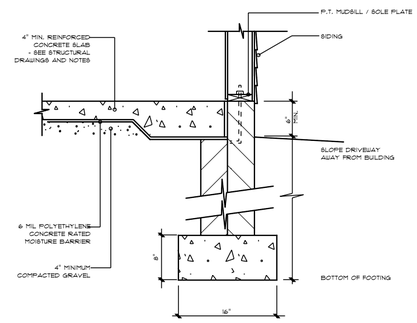
Scale: 1/4"= 1'-0"

DATE: 5/27/2021
REVISED
DRAWING#

SCALE: 1/4"
DRAWN BY
APPROVED

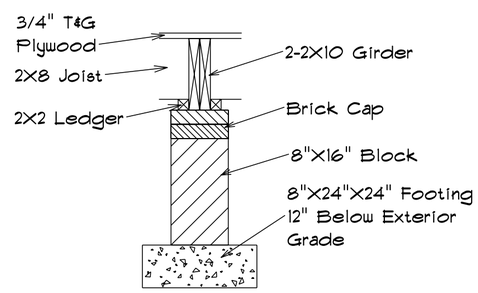
The Williams



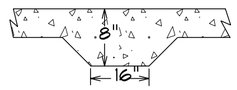


STEM WALL FOOTING DETAIL

Footing & Pier Detail

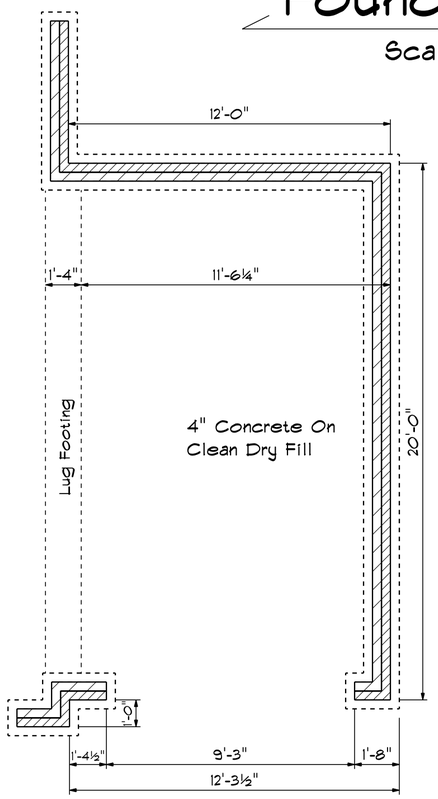


Lug Footing Detail



Foundation Plan

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



Optional Garage

FOUNDATION VENTILATION

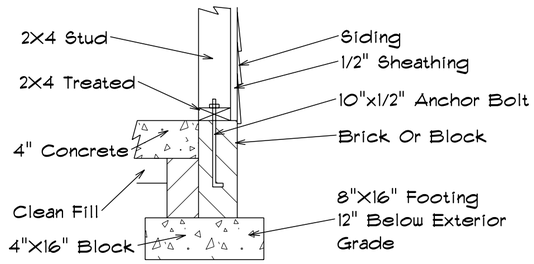
1233 Sq.Ft. Foundation Area
Requires 8.22 Sq.Ft. Ventilation.
With 6 Mil. Poly, Plans Indicate
Vents For Adequate Cross
Ventilation.

DATE: 5/27/2021
REVISED
DRAWING#

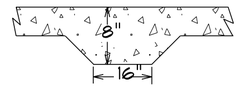
SCALE: 1/4"
DRAWN BY
APPROVED

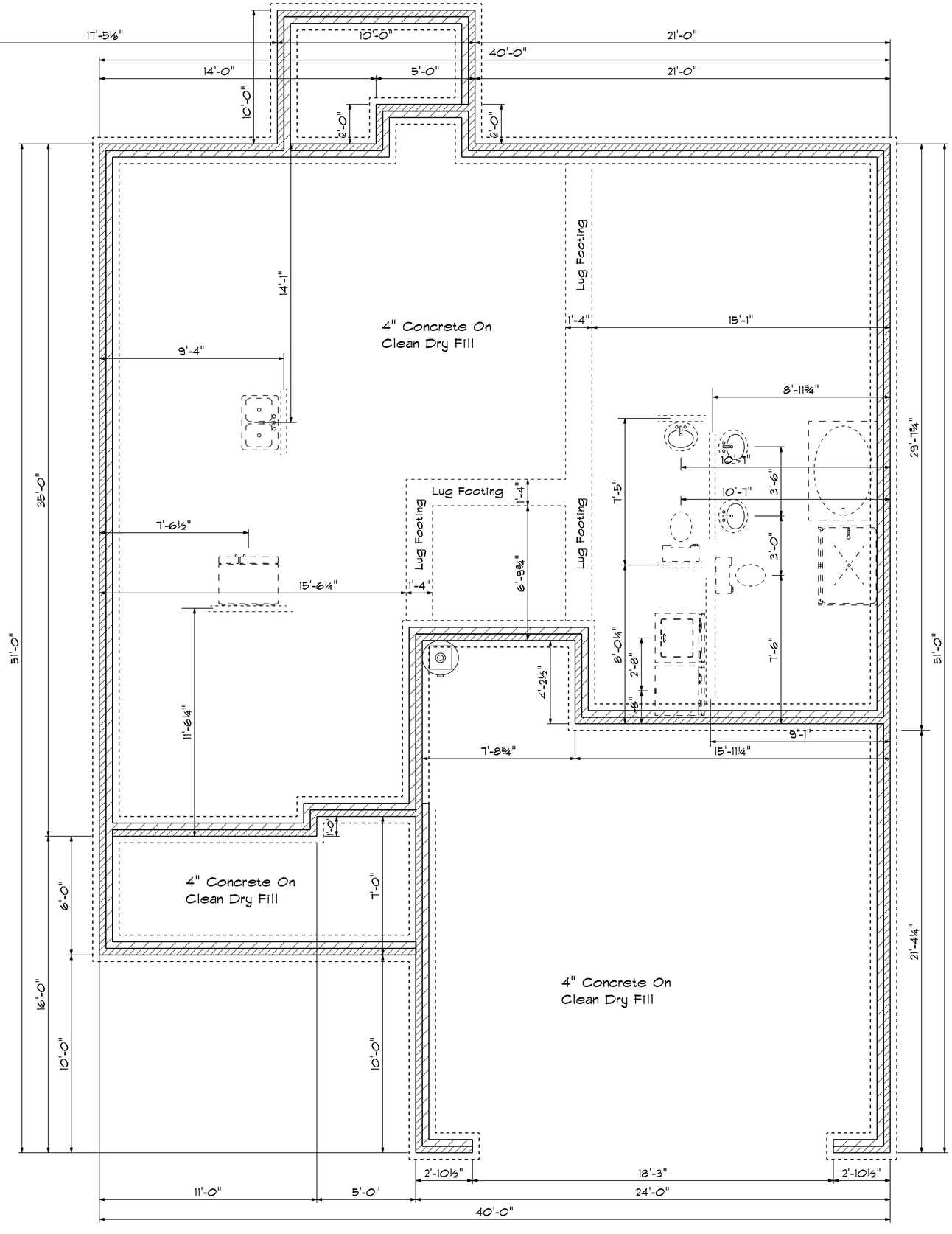
The Williams

Foundation Detail
Siding



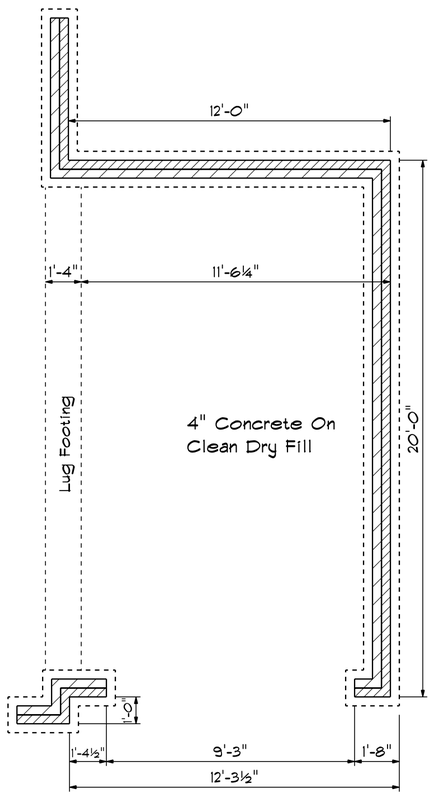
Lug Footing Detail





Foundation Plan

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

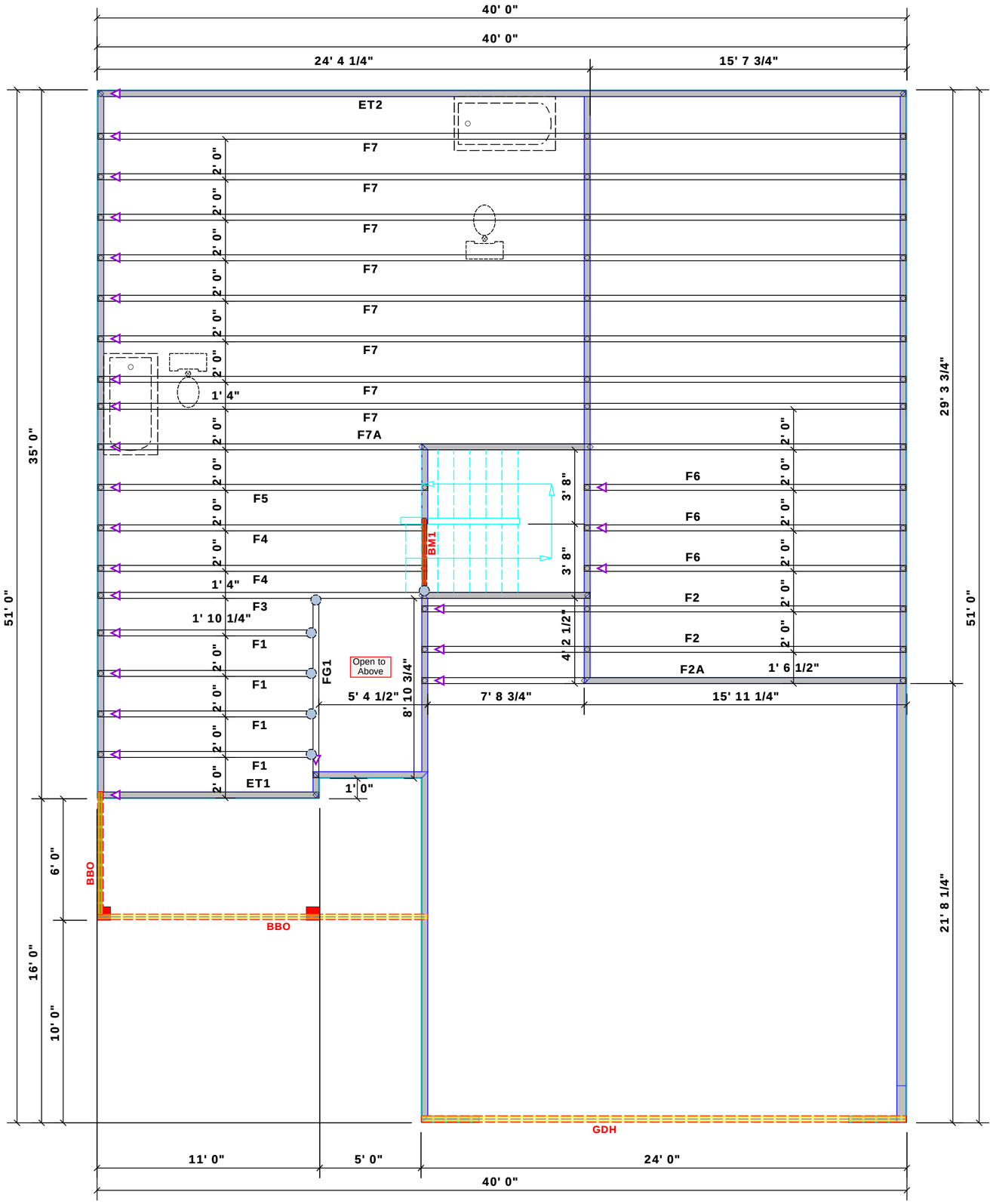


Optional Garage

DATE: 5/27/2021
REVISED
DRAWING#

SCALE: 1/4"
DRAWN BY
APPROVED

The Williams



Dimension Notes
1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise 2. All interior wall dimensions are to face of frame wall unless noted otherwise 3. All exterior wall to truss dimensions are to face of frame wall unless noted otherwise

All Walls Shown Are Considered Load Bearing

Plumbing Drop Notes
1. Plumbing drop locations shown are NOT exact. 2. Contractor to verify ALL plumbing drop locations prior to setting Floor Trusses. 3. Adjust spacing as needed not to exceed 24"oc.

Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
	MSH422	USP	6	Varies	10d/3"	10d/3"

Products				
PlotID	Length	Product	Plies	Net Qty
BM1	4' 0"	2x10 SPF No.2	2	2
BM2	12' 0"	2x12 SPF No.2	2	4
GDH	24' 0"	1-3/4"x 14" LVL Kerto-S	2	2

1 Truss Placement Plan
Scale: 1/4"=1'

COMTECH
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 _____
David Landry

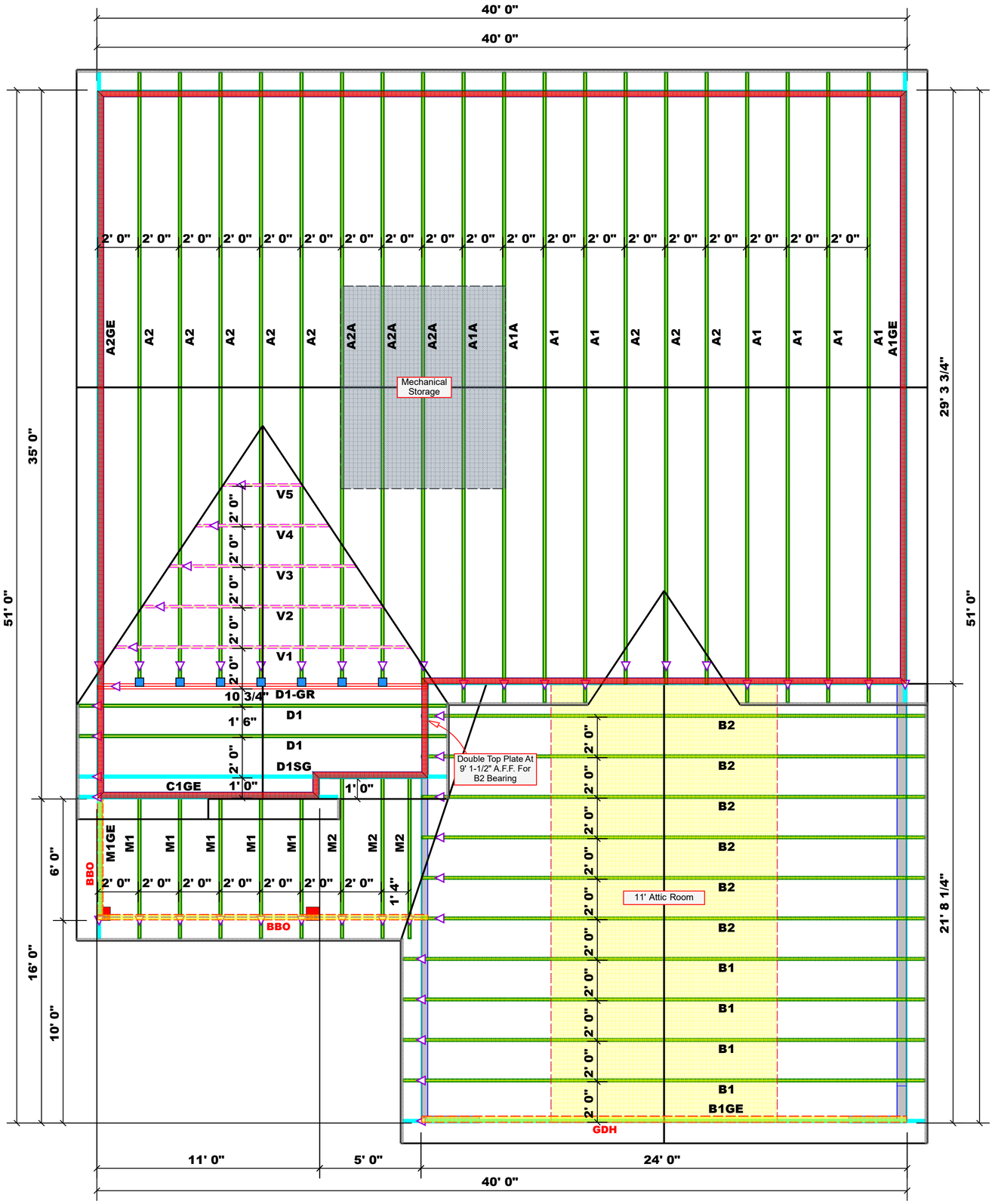
LOAD CHART FOR JACK STUDS

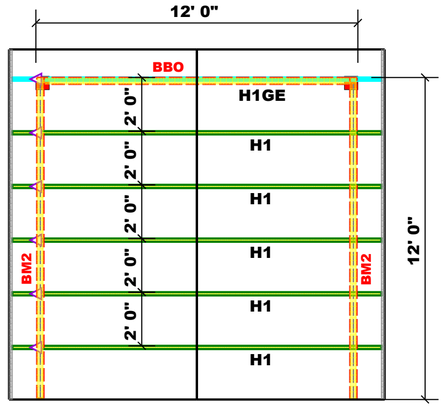
(BASED ON TABLES R502.5(1) & (3))

NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (LBS)	REQ'D STUDS FOR (2) PLY HEADER	END REACTION (LBS)	REQ'D STUDS FOR (3) PLY HEADER	END REACTION (LBS)	REQ'D STUDS FOR (4) 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				

BUILDER	Ben Stout Real Estate
JOB NAME	Lot 30 Forest Ridge
PLAN	The Williams
SEAL DATE	N/A
QUOTE #	Quote #
JOB #	J1020-4756
COUNTY	Cumberland
ADDRESS	Tanna Place
MODEL	Floor
DATE REV.	01/07/21
DRAWN BY	David Landry
SALESMAN	Marshall Naylor





Optional Covered Porch

Dimension Notes
1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise 2. All interior wall dimensions are to face of frame wall unless noted otherwise 3. All exterior wall to truss dimensions are to face of frame wall unless noted otherwise

All Walls Shown Are Considered Load Bearing

Roof Area	= 2876.64 sq.ft.
Ridge Line	= 101.75 ft.
Hip Line	= 0 ft.
Horiz. OH	= 145.21 ft.
Raked OH	= 196.83 ft.
Decking	= 99 sheets

Hatch Legend
Drop Beam
Second Floor Walls
Padded HVAC

Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
	HUS26	USP	7	Varies	16d/3-1/2"	16d/3-1/2"

Products				
PlotID	Length	Product	Plies	Net Qty
BM1	4' 0"	2x10 SPF No.2	2	2
BM2	12' 0"	2x12 SPF No.2	2	4
GDH	24' 0"	1-3/4"x 14" LVL Kerto-S	2	2

1 Truss Placement Plan
Scale: 1/4"=1'

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Signature_____
David Landry

LOAD CHART FOR JACK STUDS

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

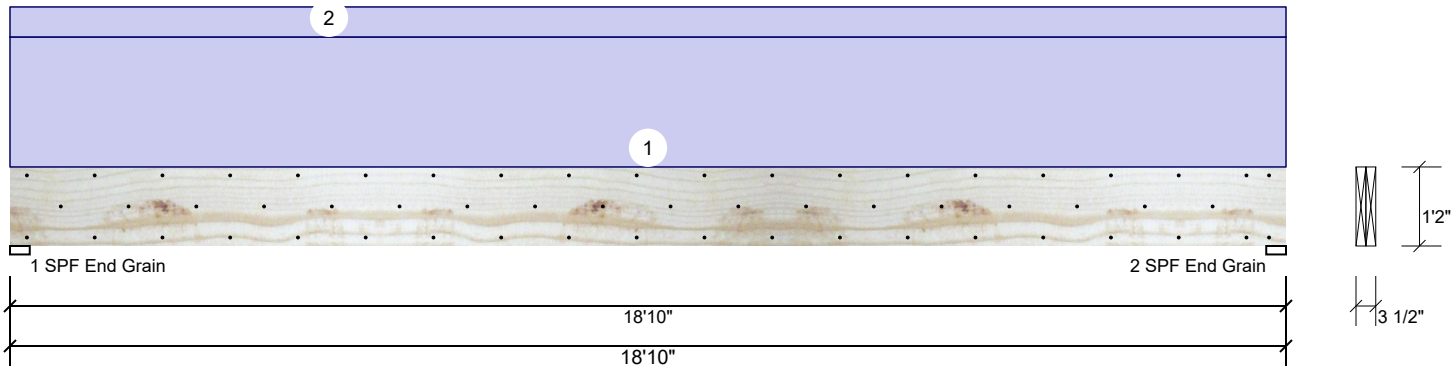
END REACTION (UP TO)	REQ'D STUDS FOR (2) PLY HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (3) PLY HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (4) PLY HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600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

BUILDER	Ben Stout Real Estate
JOB NAME	Lot 30 Forest Ridge
PLAN	The Williams
SEAL DATE	N/A
QUOTE #	Quote #
JOB #	J0621-3575
COUNTY	Cumberland
ADDRESS	Tanna Place
MODEL	Roof
DATE REV.	/ /
DRAWN BY	David Landry
SALESMAN	Marshall Naylor

Client:	Ben Stout Real Estate	Date:	1/7/2021
Project:		Input by:	David Landry
Address:		Job Name:	Lot 30 Forest Ridge
		Project #:	J1020-4757

GDH-FE Kerto-S LVL 1.750" X 14.000" 2-Ply - PASSED

Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	0	2363	0	0	0
2	0	2363	0	0	0

Bearings

Bearing	Length	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	22%	2363 / 0	2363	Uniform	D
2 - SPF End Grain	3.500"	22%	2363 / 0	2363	Uniform	D

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	10589 ft-lb	9'5"	24299 ft-lb	0.436 (44%)	D	Uniform
Unbraced	10589 ft-lb	9'5"	10593 ft-lb	1.000 (100%)	D	Uniform
Shear	2012 lb	1'4 3/4"	9408 lb	0.214 (21%)	D	Uniform
LL Defl inch	0.000 (L/999)	0	999.000 (L/0)	0.000 (0%)		
TL Defl inch	0.427 (L/516)	9'5 1/16"	0.612 (L/360)	0.700 (70%)	D	Uniform

Design Notes

1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
2 Refer to last page of calculations for fasteners required for specified loads.
3 Girders are designed to be supported on the bottom edge only.
4 Top loads must be supported equally by all plies.
5 Top must be laterally braced at a maximum of 10'1 1/2" o.c.
6 Bottom braced at 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	195 PLF	0 PLF	0 PLF	0 PLF	0 PLF	B1GE
2	Uniform			Top	45 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Above
	Self Weight				11 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 2/26/2023

Manufacturer Info

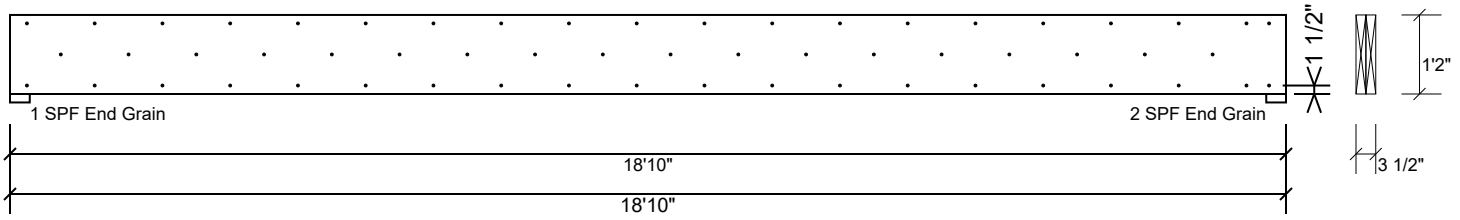
Metsä Wood
301 Merritt 7 Building, 2nd Floor
Norwalk, CT 06851
(800) 622-5850
www.metsawood.com/us
ICC-ES: ESR-3633

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

Client:	Ben Stout Real Estate	Date:	1/7/2021
Project:		Input by:	David Landry
Address:		Job Name:	Lot 30 Forest Ridge
		Project #:	J1020-4757

GDH-FE Kerto-S LVL 1.750" X 14.000" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	245.6 PLF
Yield Limit per Fastener	81.9 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

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

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Manufacturer Info

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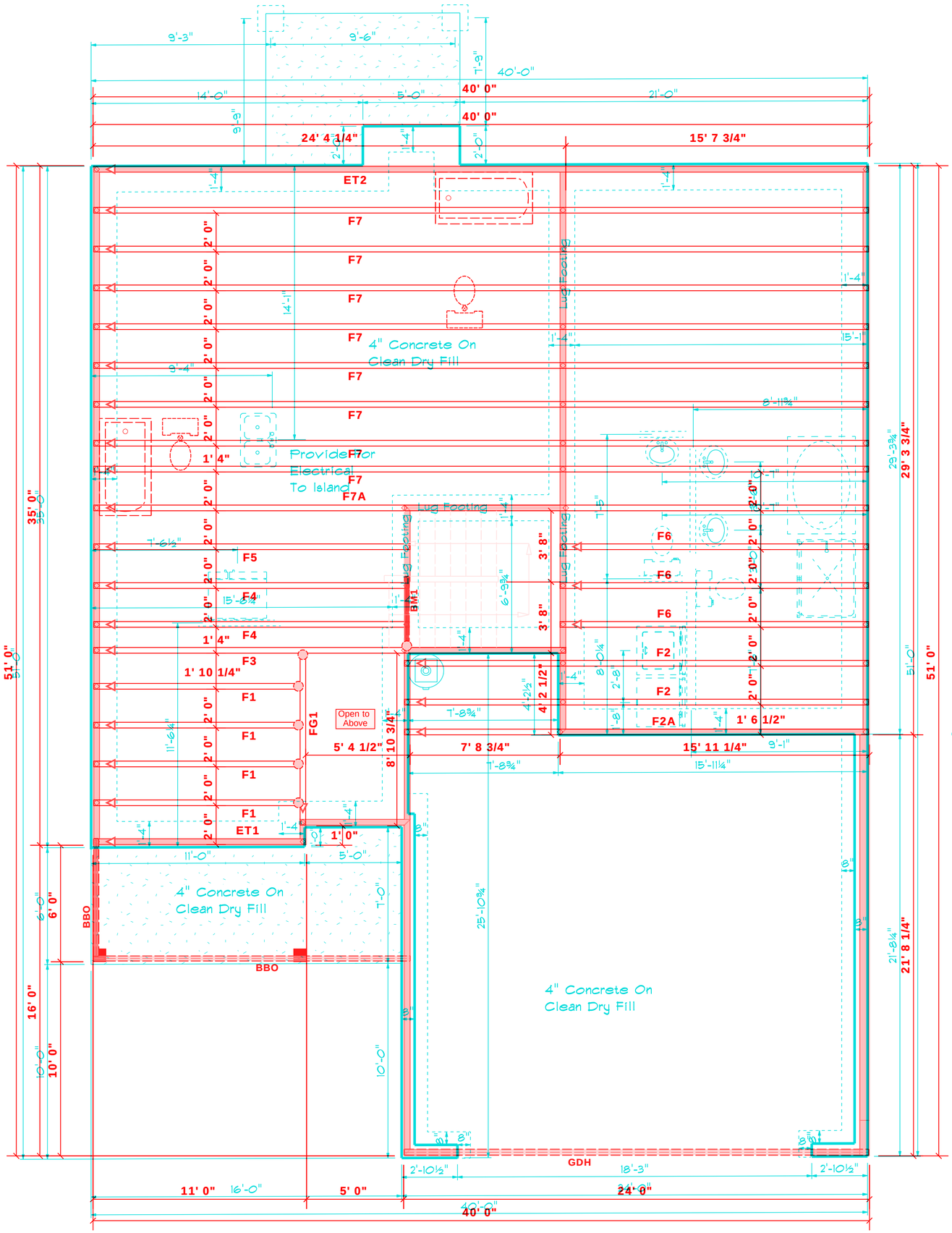
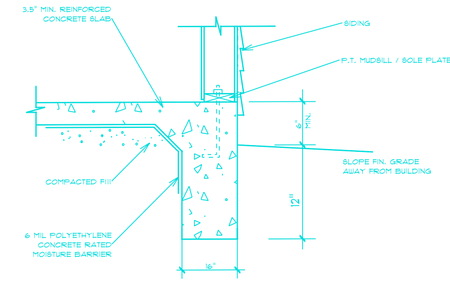
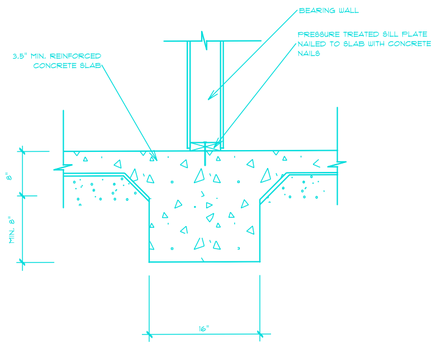
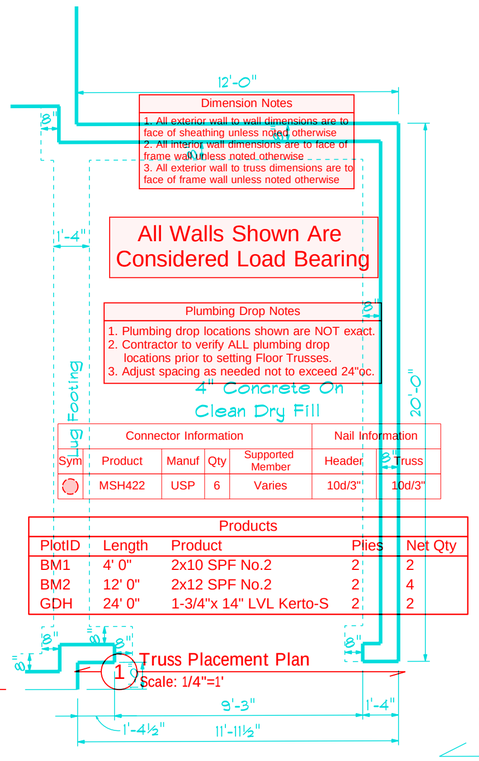




TURN-DOWN
FOOTING DETAIL



INTEGRAL SLAB FOOTING
DETAIL AT BEARING WALL



Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
	MSH422	USP	6	Varies	10d/3"	10d/3"

Products				
PlotID	Length	Product	Plies	Net Qty
BM1	4' 0"	2x10 SPF No.2	2	2
BM2	12' 0"	2x12 SPF No.2	2	4
GDH	24' 0"	1-3/4"x 14" LVL Kerto-S	2	2

Optional Garage

Foundation Plan

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

COMTECH

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

David Landry

LOAD CHART FOR JACK STUDS

[BASED ON TABLE R502.5(1) ROOF/CEILING & FLOOR]
NUMBER OF JACK STUDS REQUIRED AT EACH END OF HEADER/GIRDER

END REACTION (lbs)	JACK STUDS FOR (2) 2"x4" HEADER	END REACTION (lbs)	JACK STUDS FOR (3) 2"x4" HEADER	END REACTION (lbs)	JACK STUDS FOR (4) 2"x4" 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				

SCALE: 1/4"
DRAWN BY
APPROVED

BUILDER	Ben Stout Real Estate	COUNTY	Cumberland	
JOB NAME	Lot 30 Forest Ridge	ADDRESS	Tanna Place	
PLAN	The Williams	MODEL	Floor	The Williams
SEAL DATE	N/A	DATE REV.	01/07/21	
QUOTE #	Quote #	DRAWN BY	David Landry	
JOB #	J1020-4756	SALESMAN	Marshall Naylor	

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