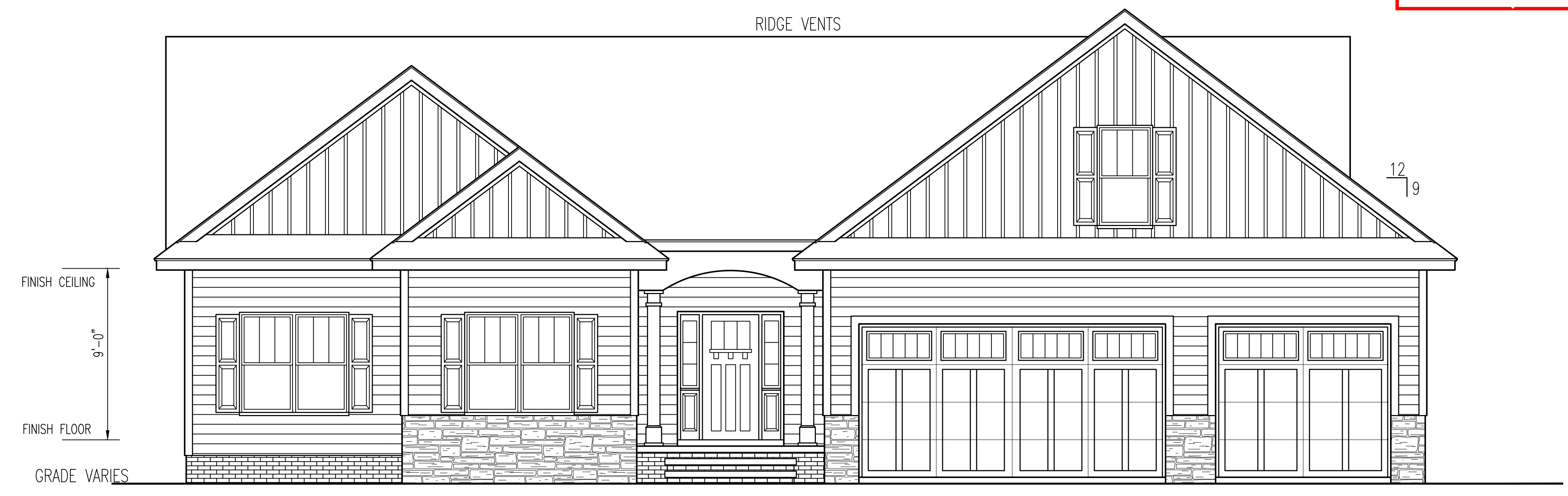
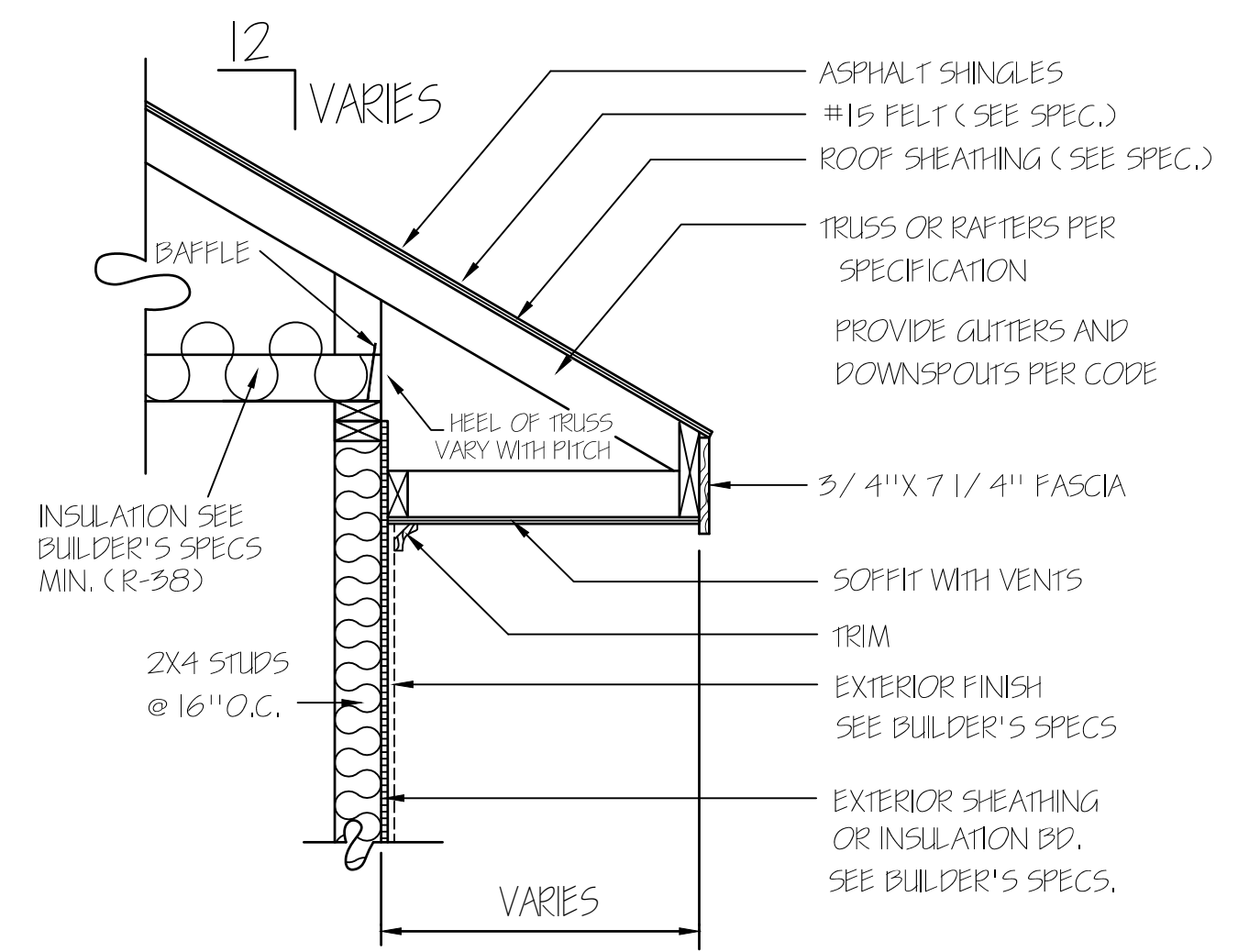


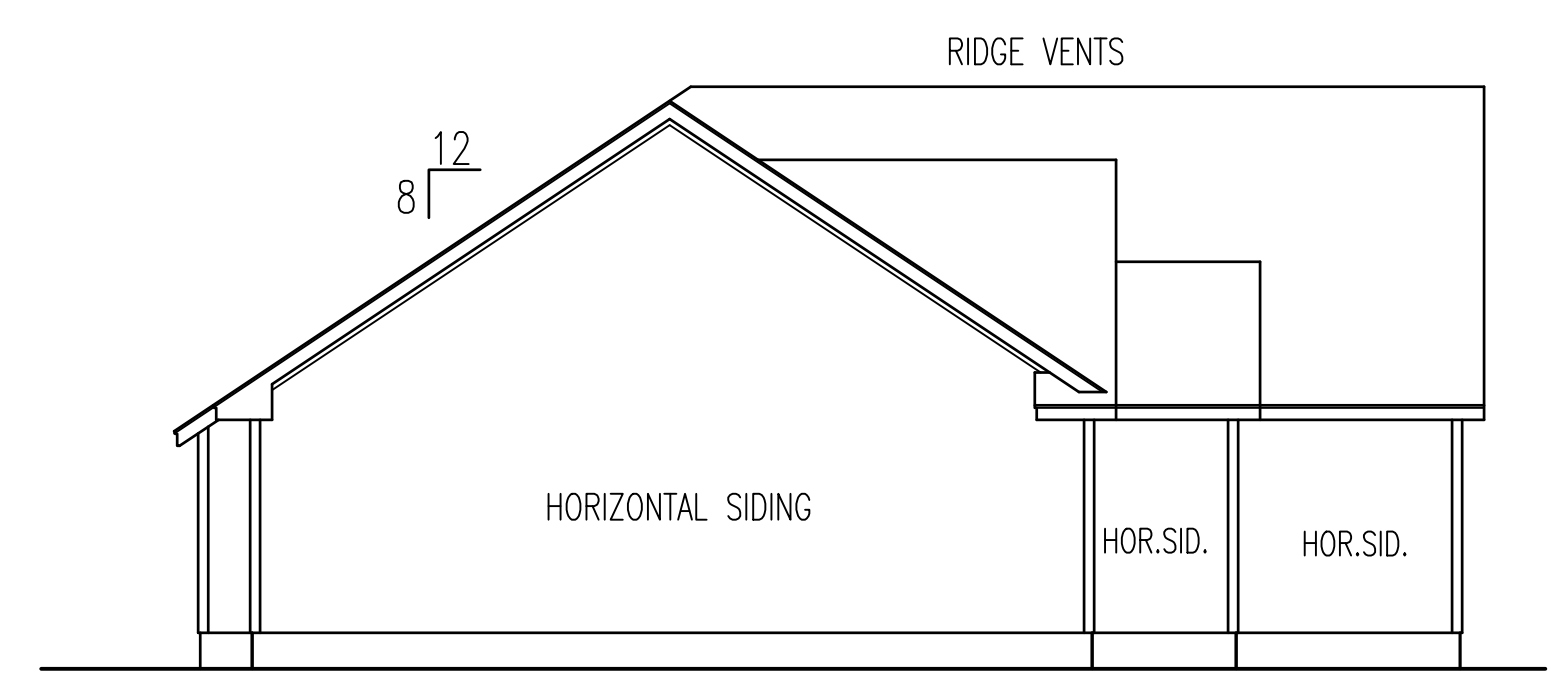
NOTICE TO CONTRACTOR  
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED  
03/22/2021

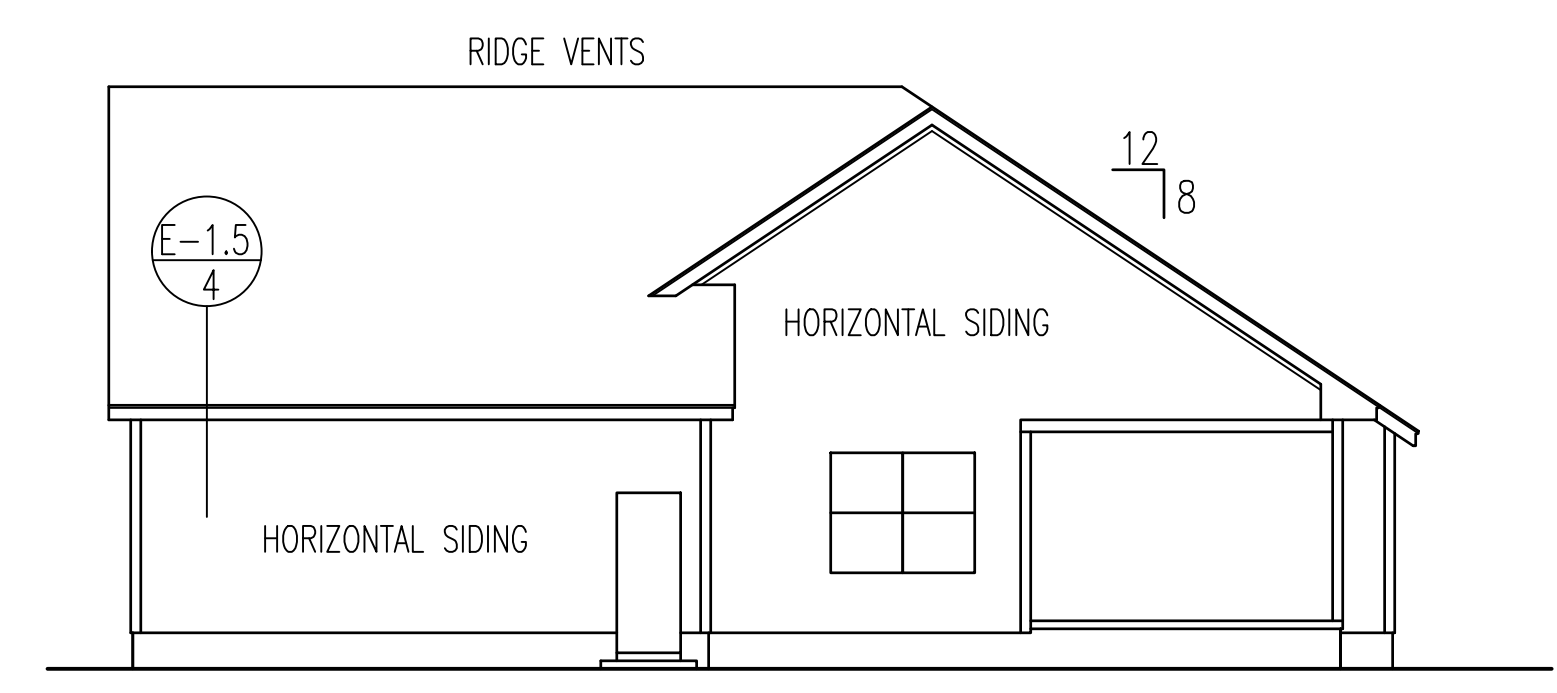
Harnett COUNTY  
NORTH CAROLINA



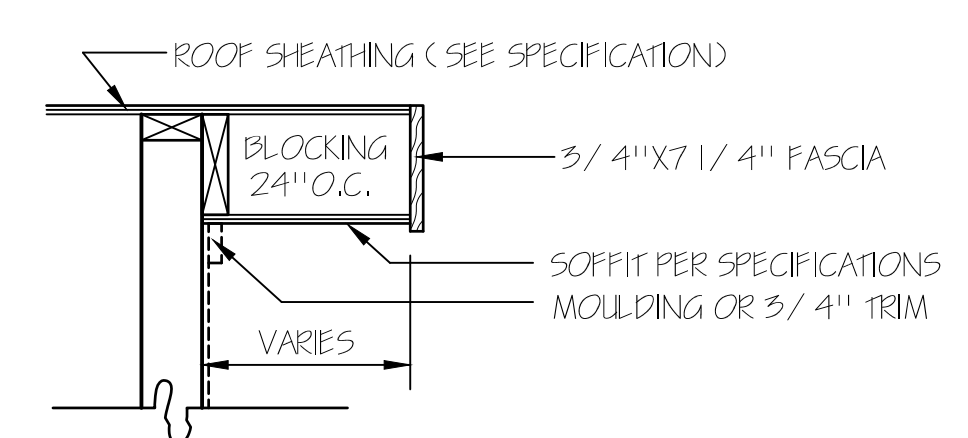
FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



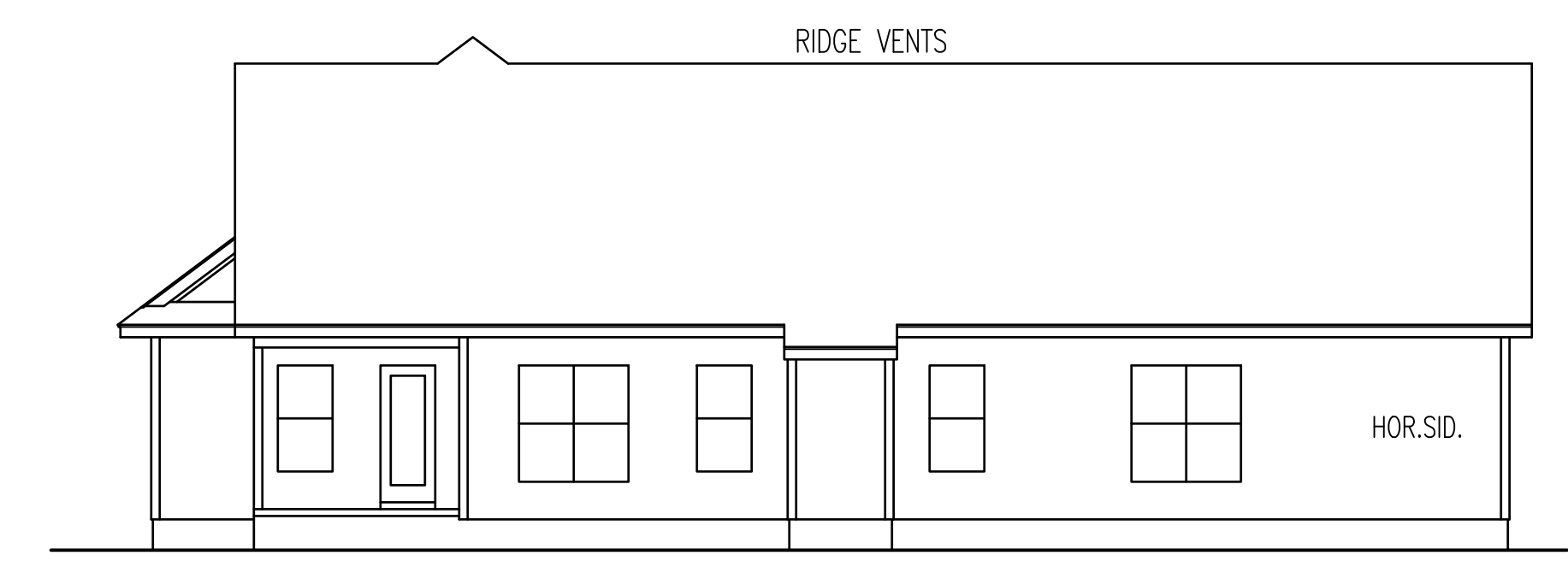
LEFT ELEVATION



RIGHT ELEVATION



RAKE DETAIL FOR GABLE ENDS



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

HERO PACKAGE

EXCLUSIVE RESIDENCE DESIGN FOR:  
**WATERMARK HOMES**

**TM DESIGNS**  
RESIDENTIAL PLANS BY TINA MCFADDEN  
(910) 354-4736 TMDDESIGNS2016@GMAIL.COM

LOT: 65 SOUTH CREEK  
NAME: PINION III

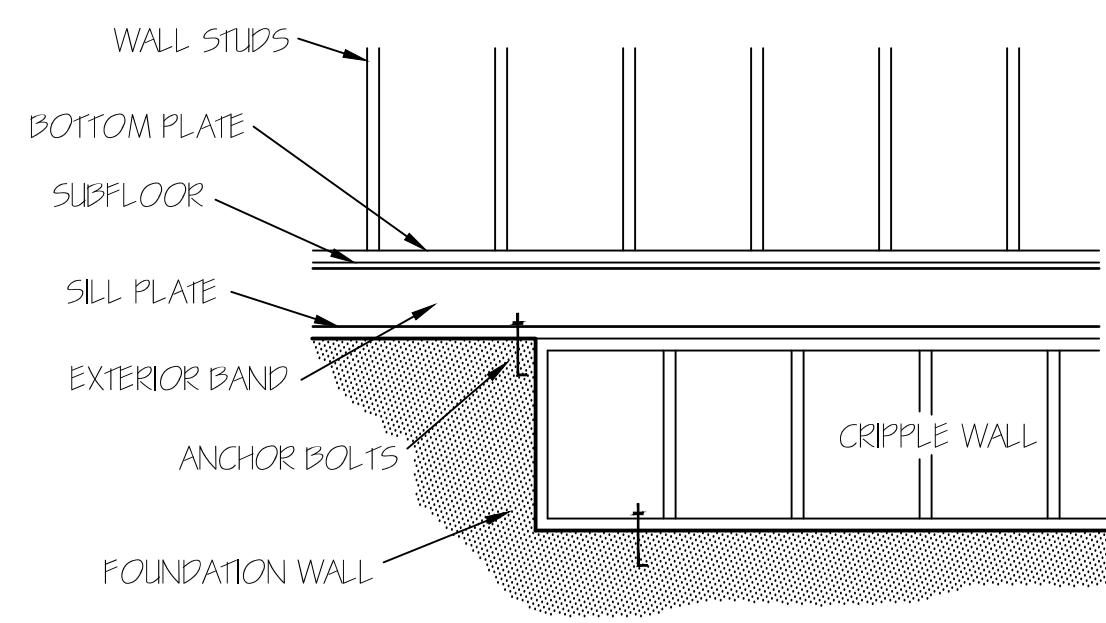
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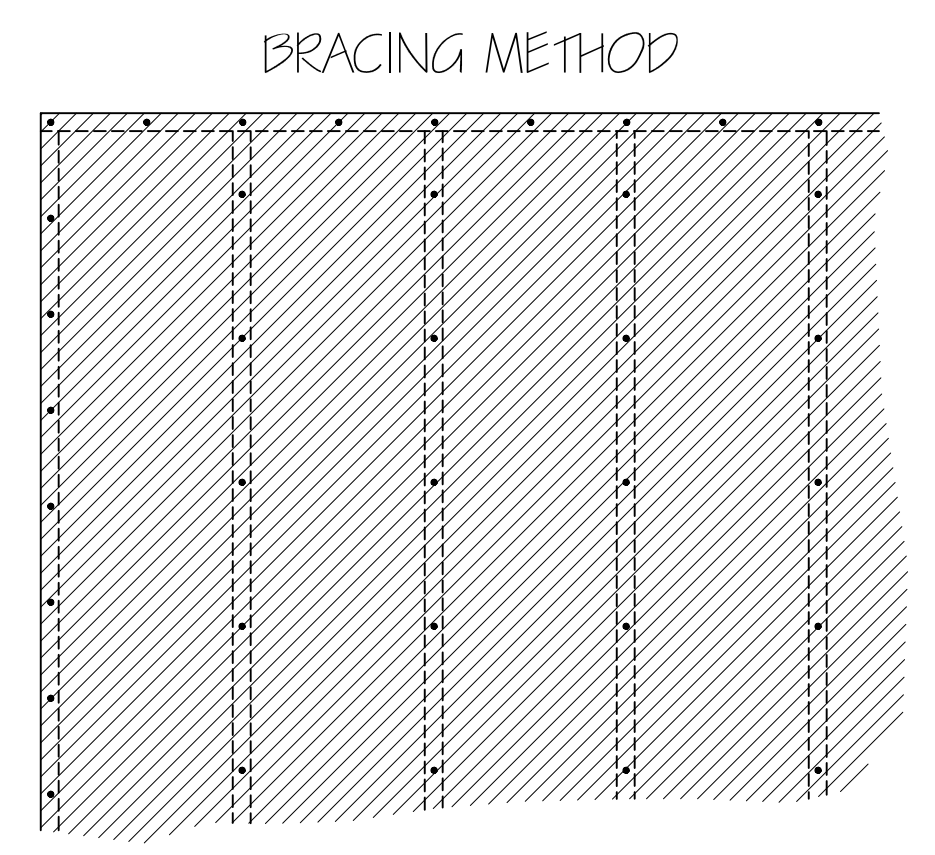
I HEREBY CERTIFY THAT THIS DRAWING MEETS LOCAL CODES, 2018 INTERNATIONAL BUILDING CODES.

THIS IS FOR THE CONSTRUCTION OF ONE HOUSE ON A SINGLE LOT, NOT TO BE REUSED

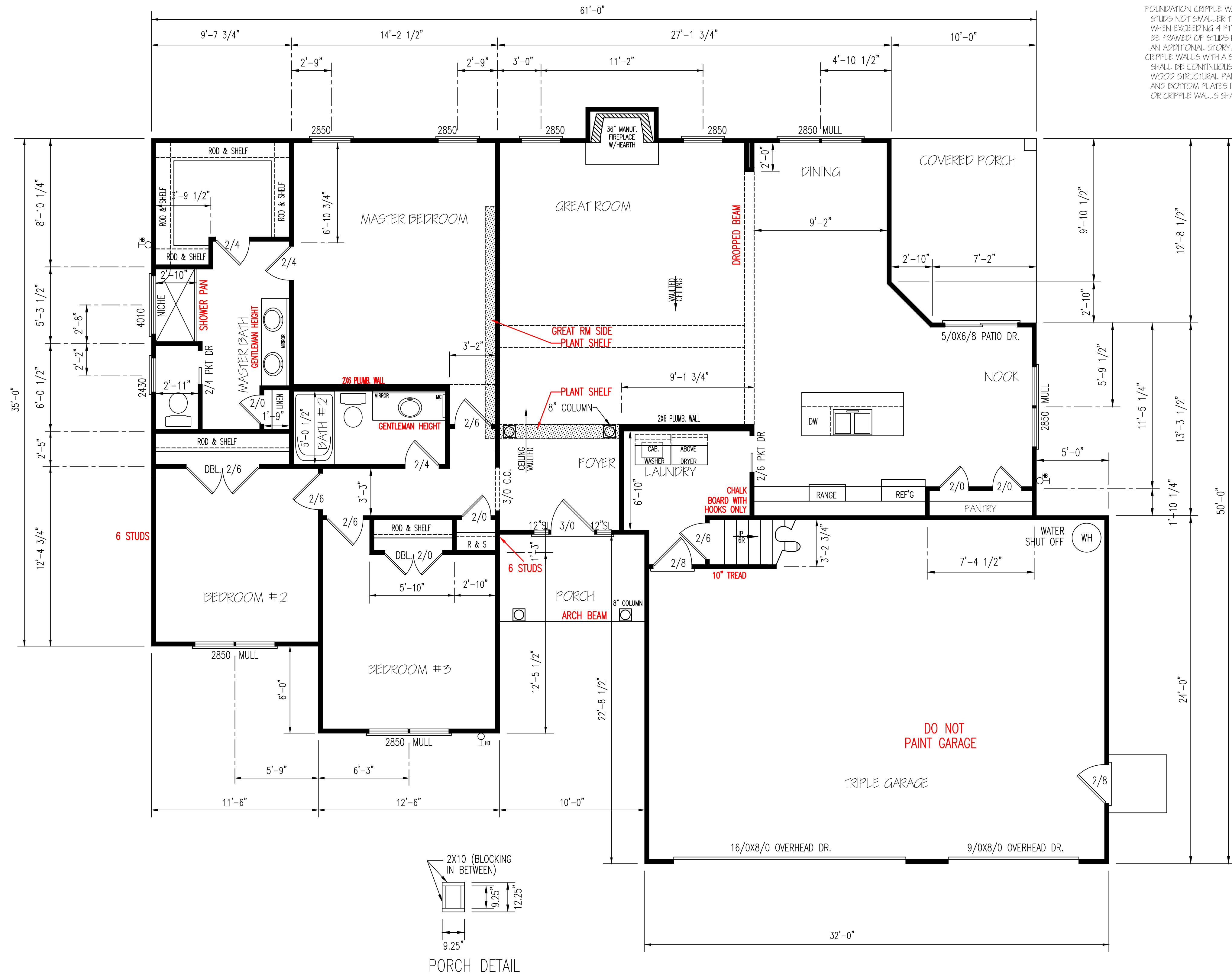
PLAN NUMBER	
RG20-A04	
OPTION #1	
1	GARAGE F R
DATE: 11/5/20	



FOUNDATION CRIPPLE WALLS SHALL BE FRAMED OF STUDS NOT SMALLER THAN THE STUDS ABOVE. WHEN EXCEEDING 4 FT. IN HEIGHT, SUCH WALLS SHALL BE FRAMED OF STUDS HAVING THE SIZE REQUIRED FOR AN ADDITIONAL STORY. CRIPPLE WALLS WITH A STUD HEIGHT LESS THAN 14 INCHES SHALL BE CONTINUOUSLY SHEATHED ON ONE SIDE WITH WOOD STRUCTURAL PANELS FASTENED TO BOTH THE TOP AND BOTTOM PLATES IN ACCORDANCE WITH TABLE R602.3(1). OR CRIPPLE WALLS SHALL BE CONSTRUCTED OF SOLID BLOCKING.



EXTERIOR WALL TO BE FULLY SHEATHED WITH 7/16" OSB. NAILING PATTERN TO BE 6" ON ALL EDGES AND 12" IN FIELD, WITH 8d NAILS.



EXTERIOR WALLS (2) 2X10 HEADERS		
CLEAR SPAN FOR HEADER	NUMBER OF STUDS JACKS	NUMBER OF STUDS KINGS
ALL DOOR & C.O. BELOW 4'	1	1
ALL DOOR & C.O. 4' TO 7'-11"	2	2
ALL DOOR & C.O. 8' AND ABOVE	SIZED BY ENGINEER	

**\*\*UNLESS NOTED OTHER WISE\*\***

**ENERGY TABLE**  
UFACTOR OF WINDOWS .30  
CLIMATE ZONE 3  
INSULATION: WALLS 15  
CEILING 38

**FIRST FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

**HEATED AREA**

1ST FL	1779	SQ FT
2ND FL	302	SQ FT
TOTAL	2081	SQ FT

**OTHER AREAS**

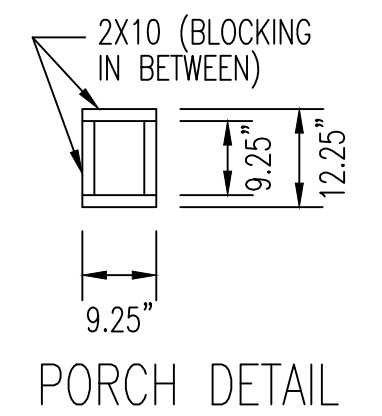
GARAGE	626	SQ FT
F.PORCH	54	SQ FT
R.PORCH	115	SQ FT

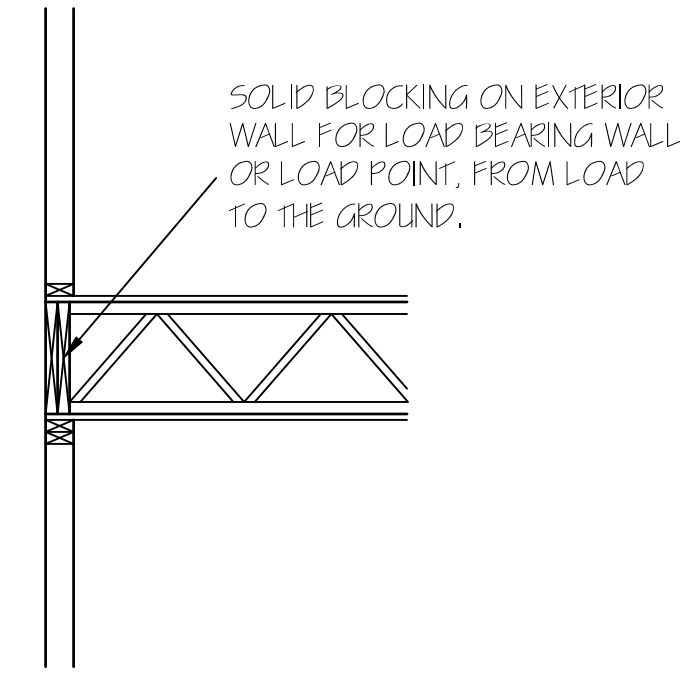
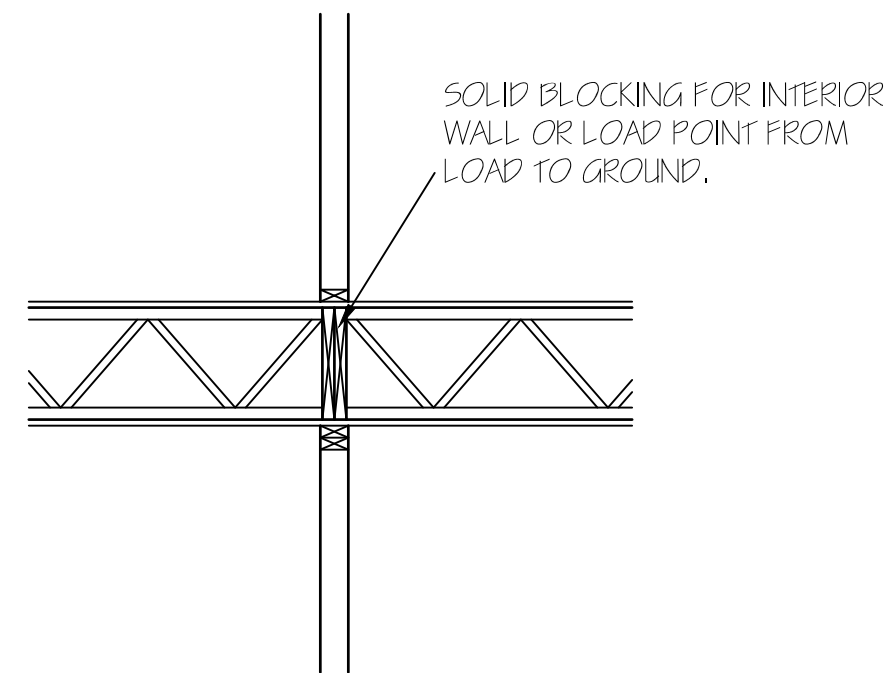
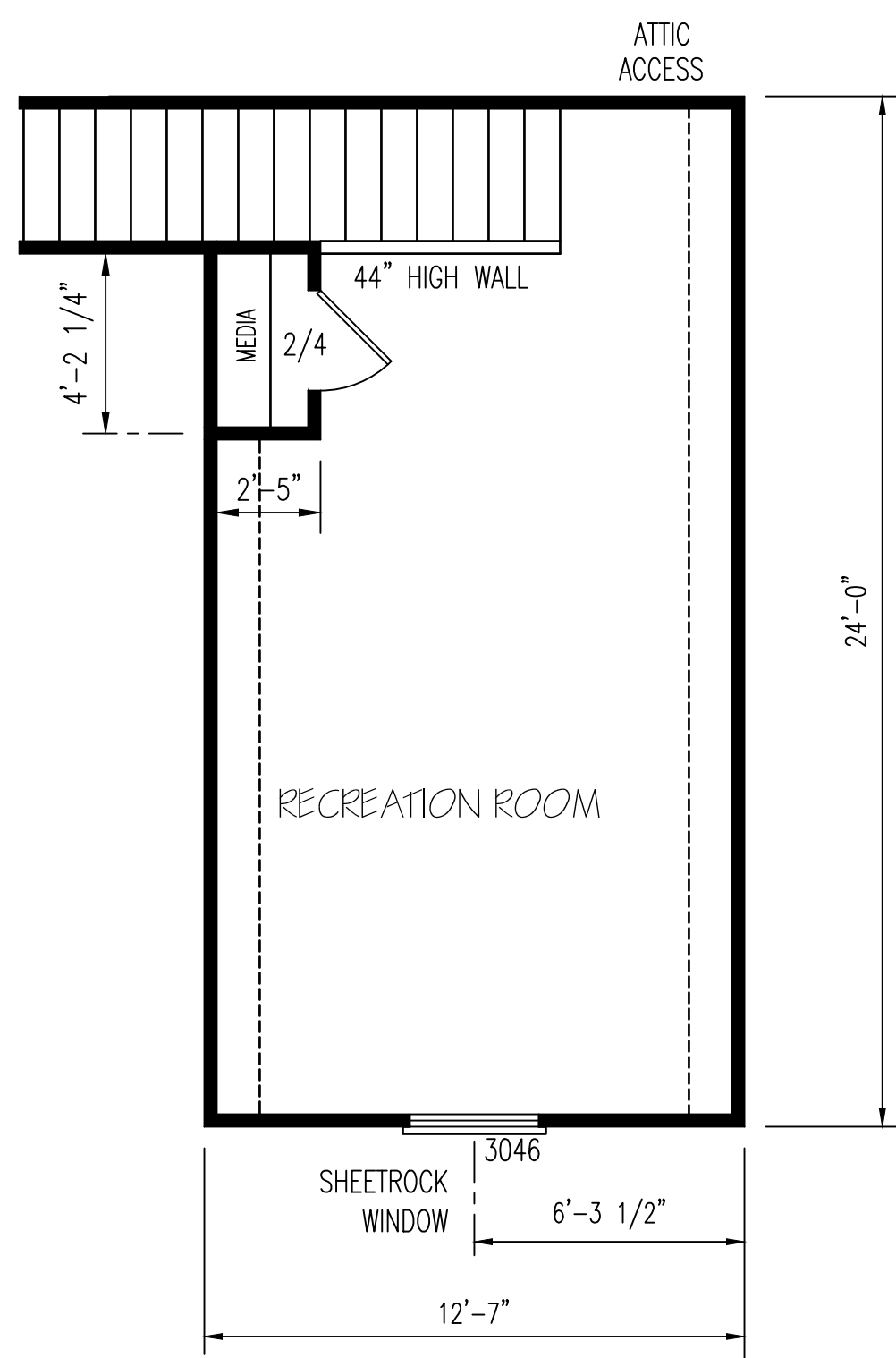
**NOTE:**  
CEILINGS ARE 9'-0" UNLESS NOTED.  
SET WINDOWS @ 7'-4" UNLESS NOTED.

**GARAGE PANEL WALL**  
GARAGE PANEL WALLS UNDER 24" WIDE SHOULD BE EITHER PORTAL FRAMED OR 7/16" OSB ON BOTH SIDES WITH A NAILING PATTERN OF 3" ON ALL PANEL EDGES AND 6" IN THE FIELD.

**HERO PACKAGE**

**DO NOT PAINT GARAGE**





SECOND FLOOR PLAN  
SCALE: 1/4" = 1'-0"

EXCLUSIVE RESIDENCE DESIGN FOR:

# WATERMARK HOMES

NAME: PINION III

LOT: 65 SOUTH CREEK

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THIS IS FOR THE CONSTRUCTION OF ONE HOUSE ON A SINGLE LOT, NOT TO BE REUSED

PLAN NUMBER  
RG20-A04

OPTION #1

2 B	GARAGE	R	F
	DATE:	11/5/20	

# T.M. DESIGNS

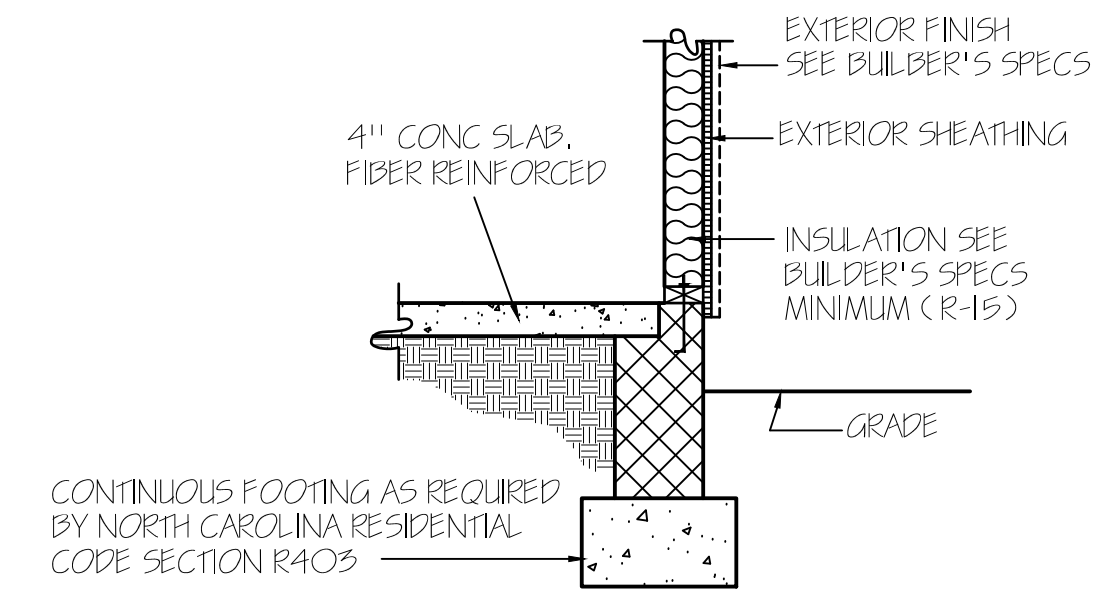
RESIDENTIAL PLANS BY TINA MCFADDEN  
(910) 354-4736 T.MDESIGNS2016@GMAIL.COM



**WALL ANCHOR OPTIONS**

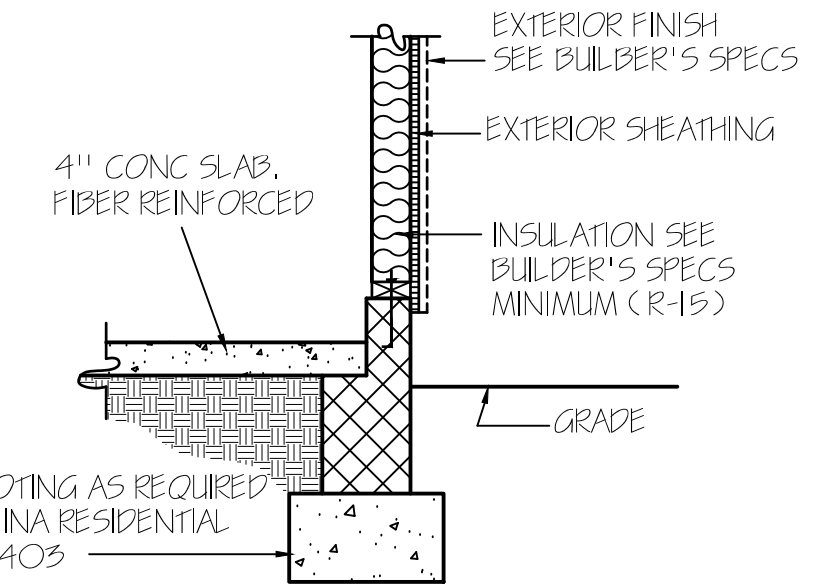
USE ANCHOR BOLTS  
 ANCHOR BOLTS: 1/2" DIA. BOLTS AT 6'-0" O.C.  
 AND NOT MORE THAN 12" FROM CORNERS, EMBEDDED  
 MIN. 7" INTO FOUNDATION. USE A MIN. OF 2 BOLTS  
 PER EACH STUD WALL

**NOTE:**  
 FOUNDATION DETAILS SHOWN ARE BASED ON  
 ASSUMED SOIL BEARING CAPACITY OF  
 2000 PSF. LOCAL SITE CONDITIONS MUST BE  
 INVESTIGATED. ALL FOOTING TO BE LOCATED  
 BELOW FROST DEPTH.



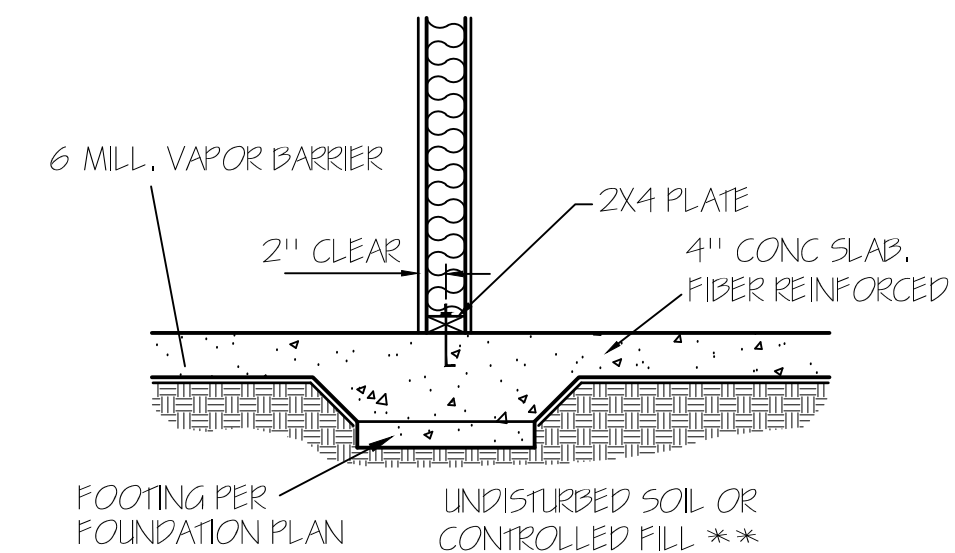
**NOTE:**  
 PERIMETER INSUL. MAY EXTEND HORIZ. UNDER SLAB  
 24" OR VERTICAL 24" BELOW SLAB FLOOR

CONCRETE SLAB FLOOR — (A)

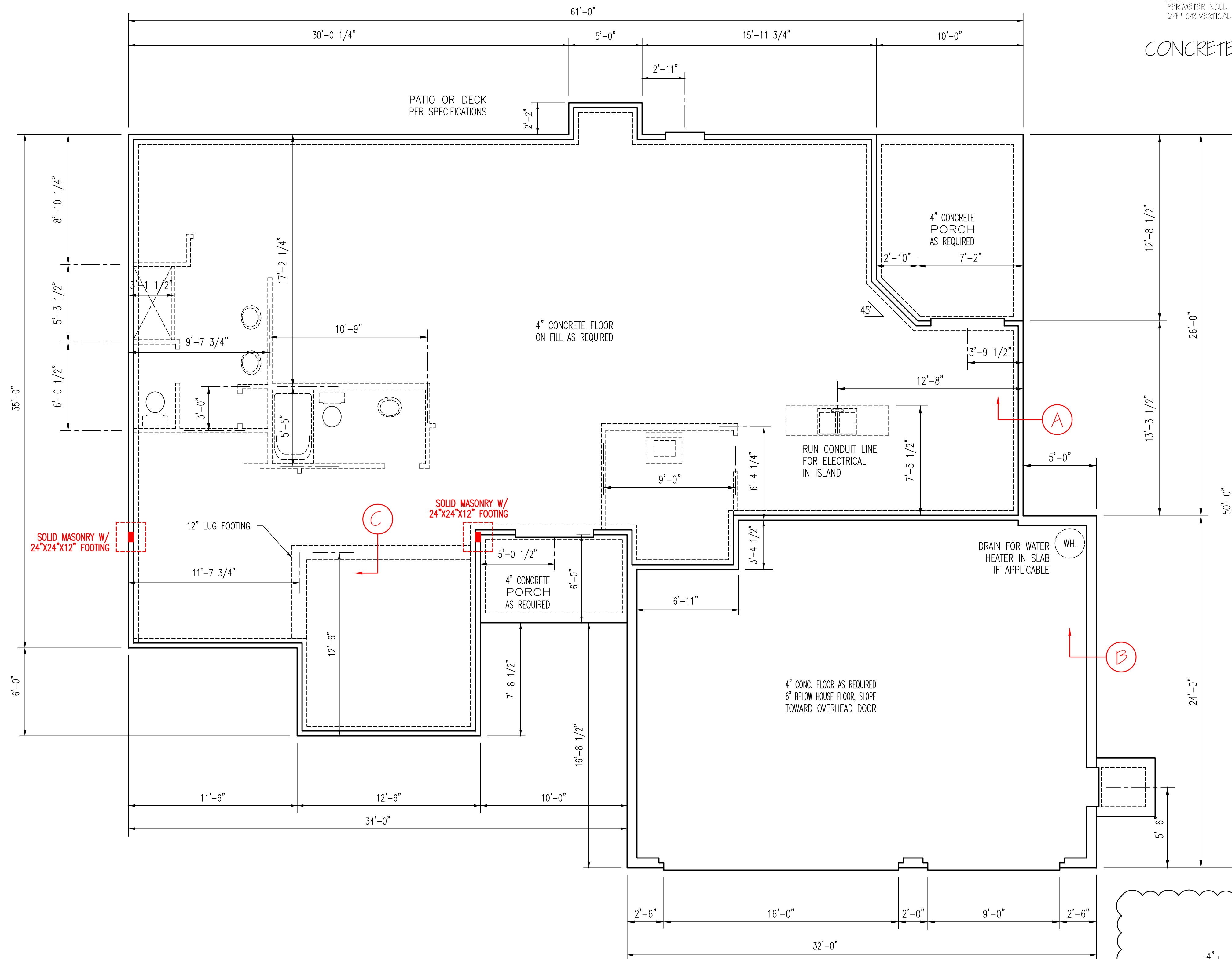


**NOTE:**  
 PERIMETER INSUL. MAY EXTEND HORIZ. UNDER SLAB  
 24" OR VERTICAL 24" BELOW SLAB FLOOR

GARAGE WALL — (B)

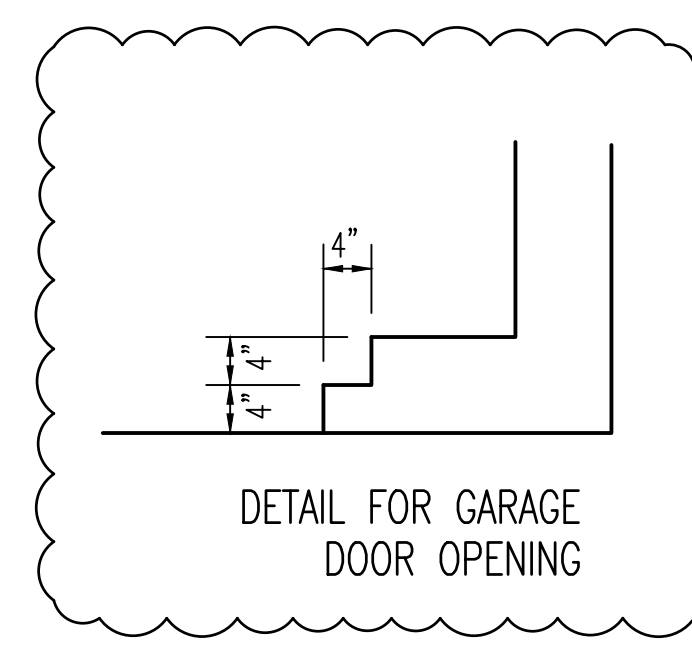


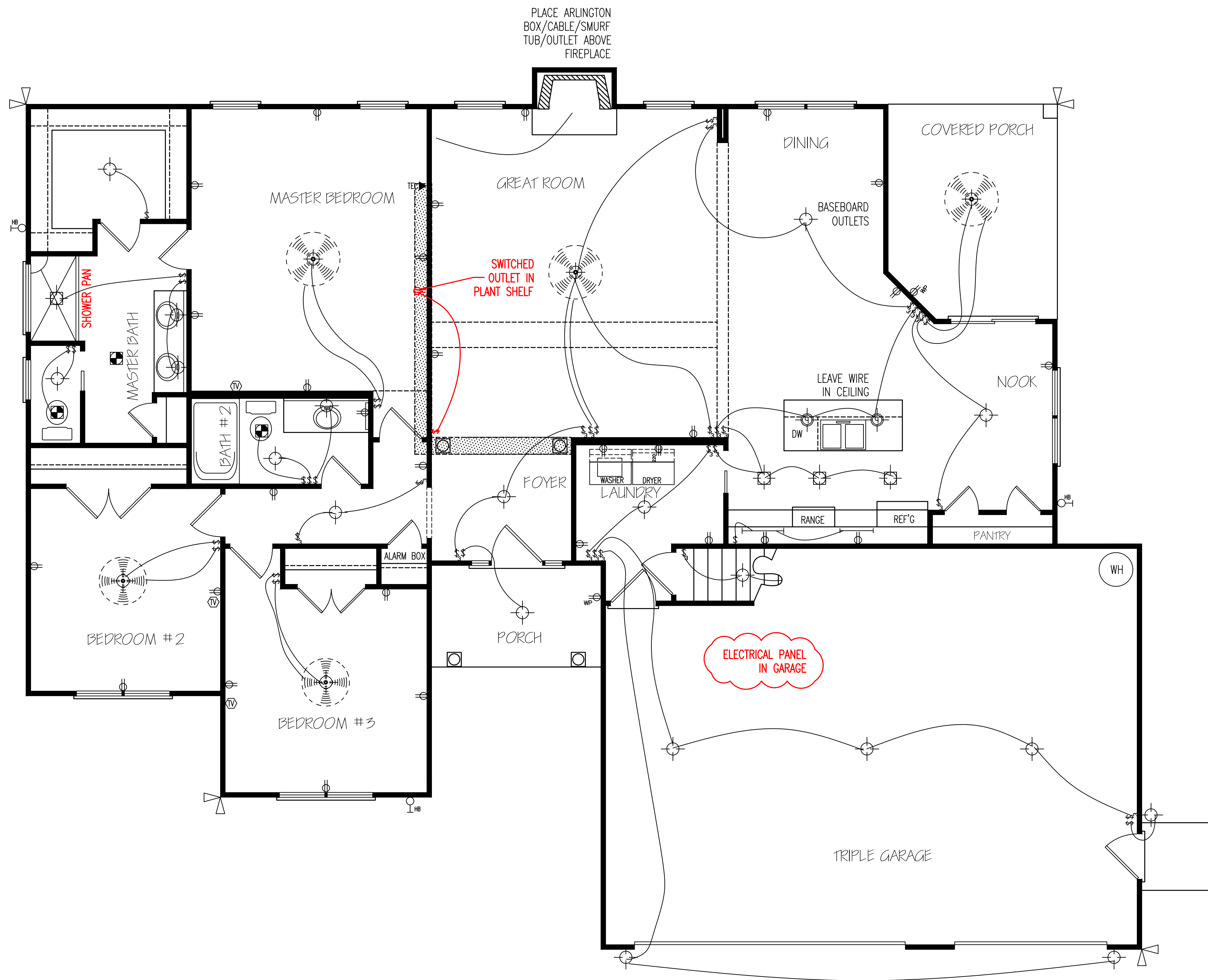
LOAD BEARING WALL THICKENED SLAB — (C)



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

**STEPS:**  
 SET BRICK STEPS ON  
 4" CONCRETE SIDEWALK





FIRST FLOOR  
ELECTRICAL LAYOUT

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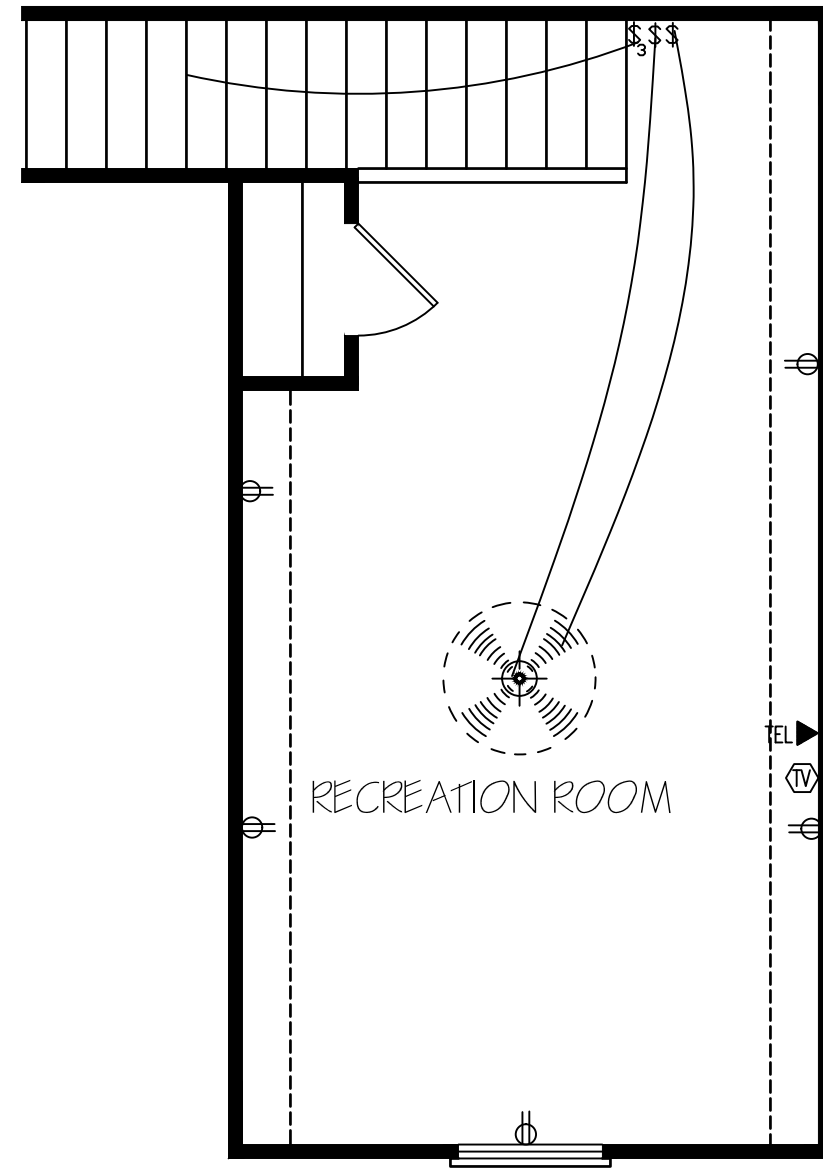
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THIS IS FOR THE CONSTRUCTION OF ONE HOUSE ON A SINGLE LOT, NOT TO BE REUSED

PLAN NUMBER  
RG20-A04

OPTION #1

E-1	GARAGE	R	F
	DATE:	11/5/20	



SECOND FLOOR  
ELECTRICAL LAYOUT

EXCLUSIVE RESIDENCE DESIGN FOR:

**WATERMARK HOMES**

NAME: PINION III

LOT: 65 SOUTH CREEK

**T M DESIGNS**

RESIDENTIAL PLANS BY TINA MCFADDEN  
(910) 354-4736 TMDESIGNS2016@GMAIL.COM

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THIS IS FOR THE CONSTRUCTION OF ONE HOUSE ON A SINGLE LOT, NOT TO BE REUSED

PLAN NUMBER  
RG20-A04

OPTION #1

E-2	GARAGE	R	F
	DATE:	11/5/20	





**ROOF & FLOOR TRUSSES & BEAMS**

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

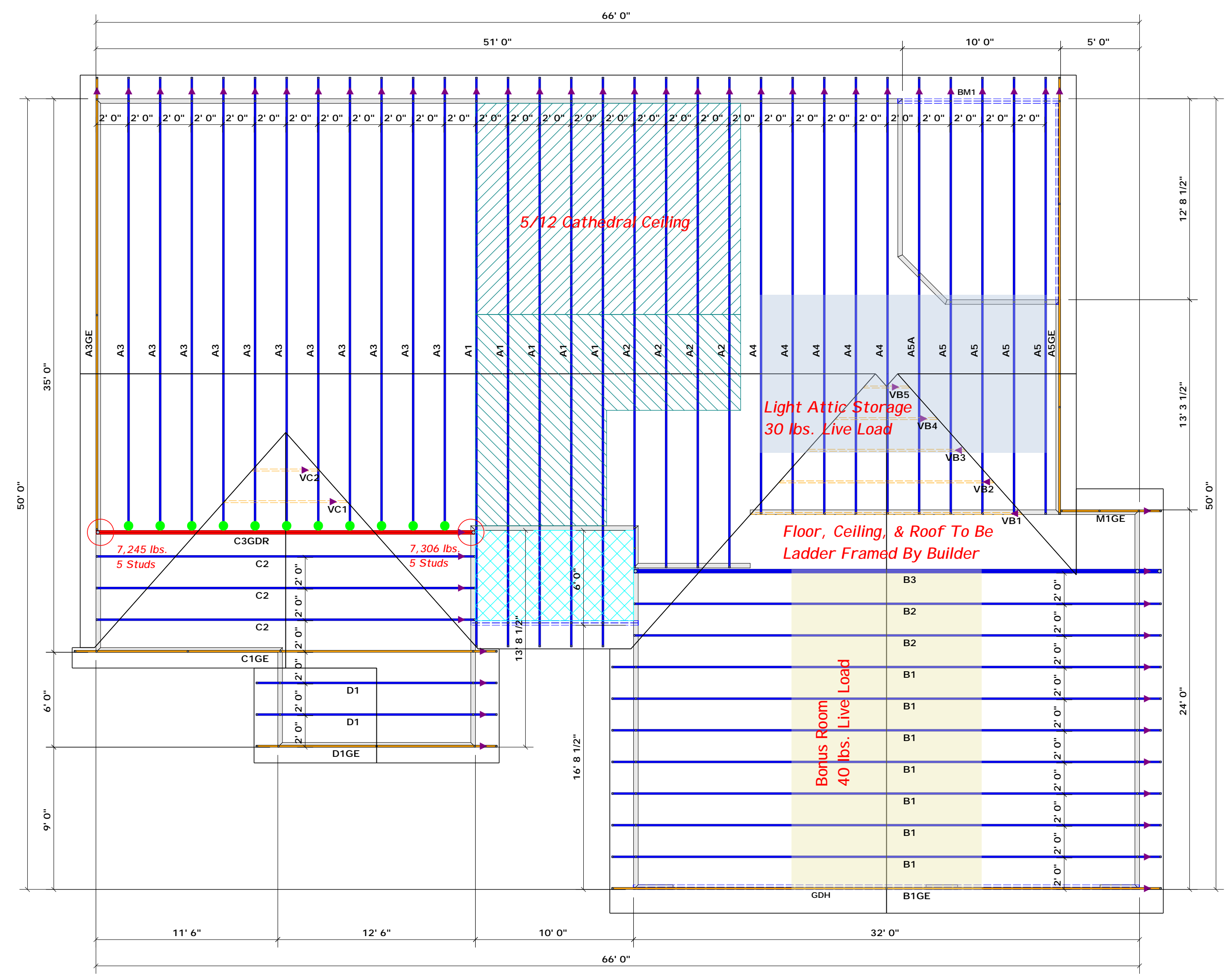
Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables ( derived from the prescriptive Code requirements ) to determine the minimum foundation size and number of wood studs required to support reactions 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 **Curtis Quick**  
Curtis Quick

**LOAD CHART FOR JACK STUDS**

(BASED ON TABLES ROEHLIC 6 (B))

NUMBER OF JACK STUDS REQUIRED @ EA END OF HEAD-TO-HEAD		NUMBER OF JACK STUDS REQUIRED @ EA END OF HEAD-TO-HEAD	
END REACTION (IP TO)	REQ'D STUDS FOR (IP TO)	END REACTION (IP TO)	REQ'D STUDS FOR (IP TO)
1700	1	2550	1
3400	2	5100	2
5100	3	7650	3
6800	4	10200	4
8500	5	12750	5
10200	6	15300	6
11900	7		
13600	8		
15300	9		



**Hatch Legend**

Ceiling Height @ 10' 1-1/2"

= Denotes Left End of Truss  
(Reference Engineered Truss Drawing)  
Do Not Erect Trusses Backwards

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

-- Denotes Reaction Greater than 3,000 lbs.

**Truss Placement Plan**  
SCALE: NTS

**HANGER LEGEND**

	= USP HUS26 / Single 2x Hanger
--	--------------------------------

**Beam Legend**

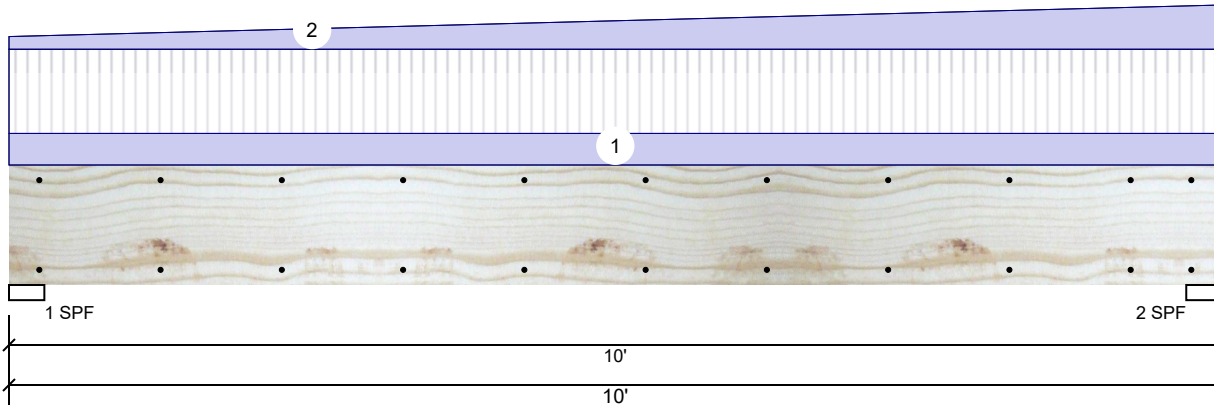
PlotID	Length	Product	Plies	Net Qty
BM1	11' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH	32' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2

BUILDER	CITY / CO.	ADDRESS	MODEL	DATE REV.	DRAWN BY	SALES REP.
Watermark Homes	Lillington / Harnett	Lot 65 South Creek	Roof	11/12/20	Curtis Quick	Anthony Williams
JOB NAME	PLAN	SEAL DATE	QUOTE #	JOB #		
Lot 65 South Creek	The Pinion III	11/5/20	Quote #	J1120-5310		

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.

**GDH (PT 1) Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	360
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC 2012
Load Sharing:	No
Deck:	Not Checked

**Reactions UNPATTERNED lb (Uplift)**

Brg	Live	Dead	Snow	Wind	Const
1	2000	1341	0	0	0
2	2000	1602	0	0	0

**Bearings**

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	64%	1341 / 2000	3341	L	D+L
2 - SPF	3.500"	69%	1602 / 2000	3602	L	D+L

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	7903 ft-lb	5'1"	19911 ft-lb	0.397 (40%)	D+L	L
Unbraced	7903 ft-lb	5'1"	9628 ft-lb	0.821 (82%)	D+L	L
Shear	2675 lb	8'9 3/8"	8867 lb	0.302 (30%)	D+L	L
LL Defl inch	0.089 (L/1287)	5'	0.239 (L/480)	0.370 (37%)	L	L
TL Defl inch	0.154 (L/741)	5' 5/16"	0.318 (L/360)	0.490 (49%)	D+L	L

**Design Notes**

- 1 Fasten all plies using 2 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 braced at bearings.
- 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	Tie-In	0-0-0 to 10-0-0	10-0-0	Top	15 PSF	40 PSF	0 PSF	0 PSF	0 PSF	Roof
2	Tapered Start	0-0-0		Top	60 PLF	0 PLF	0 PLF	0 PLF	0 PLF	B1GE
	End	10-0-0			210 PLF	0 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				9 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

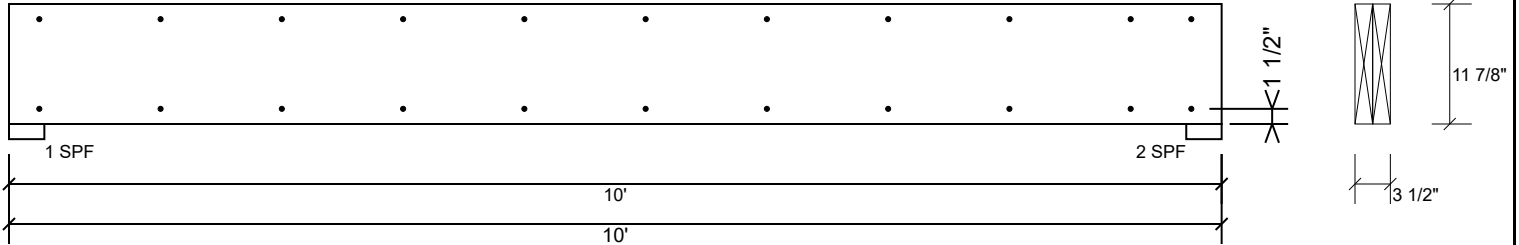
**Manufacturer Info**  
 Metsä Wood  
 301 Merritt 7 Building, 2nd Floor  
 Norwalk, CT 06851  
 (800) 622-5850  
 www.metsawood.com/us  
 ICC-ES: ESR-3633

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



**GDH (PT 1) Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED**

Level: Level



**Multi-Ply Analysis**

Fasten all plies using 2 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	163.7 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**

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**

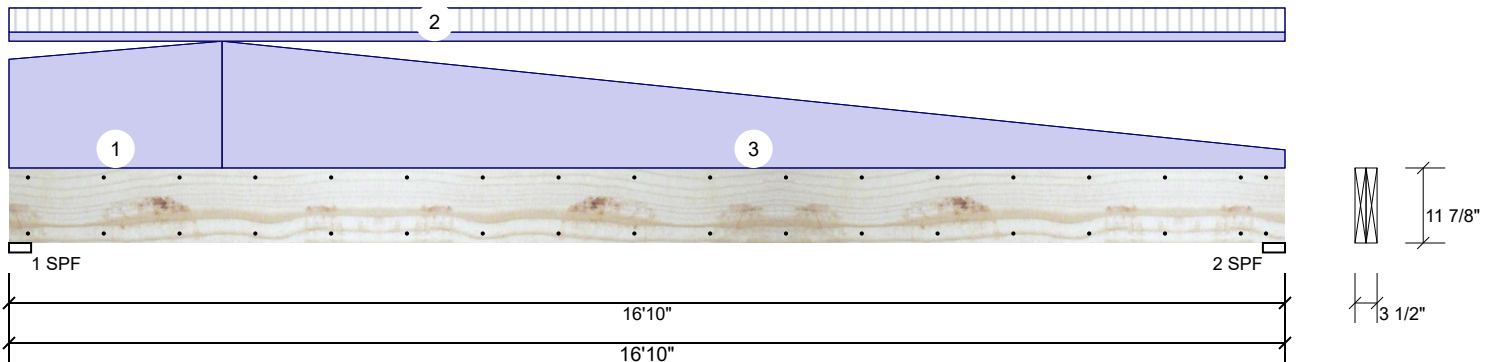
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Comtech, Inc.  
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 Fayetteville, NC  
 USA  
 28314  
 910-864-TRUS



**GDH (PT 2) Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	360
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC 2012
Load Sharing:	No
Deck:	Not Checked

**Reactions UNPATTERNED lb (Uplift)**

Brg	Live	Dead	Snow	Wind	Const
1	337	1588	0	0	0
2	337	1051	0	0	0

**Bearings**

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	37%	1588 / 337	1925	L	D+L
2 - SPF	3.500"	27%	1051 / 337	1387	L	D+L

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	6794 ft-lb	7'8 7/8"	19911 ft-lb	0.341 (34%)	D+L	L
Unbraced	6794 ft-lb	7'8 7/8"	6805 ft-lb	0.998 (100%)	D+L	L
Shear	1619 lb	1'2 5/8"	8867 lb	0.183 (18%)	D+L	L
LL Defl inch	0.070 (L/2809)	8'5 1/16"	0.409 (L/480)	0.170 (17%)	L	L
TL Defl inch	0.352 (L/558)	8'2 13/16"	0.546 (L/360)	0.640 (64%)	D+L	L

**Design Notes**

- 1 Fasten all plies using 2 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 14'6 3/8" 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	Tapered Start	0-0-0		Top	180 PLF	0 PLF	0 PLF	0 PLF	0 PLF	B1GE
	End	2-9-12		Top	210 PLF	0 PLF	0 PLF	0 PLF	0 PLF	
2	Tie-In	0-0-0 to 16-10-0	1-0-0	Top	15 PSF	40 PSF	0 PSF	0 PSF	0 PSF	Roof
3	Tapered Start	2-9-12		Top	210 PLF	0 PLF	0 PLF	0 PLF	0 PLF	B1GE
	End	16-10-0		Top	30 PLF	0 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				9 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

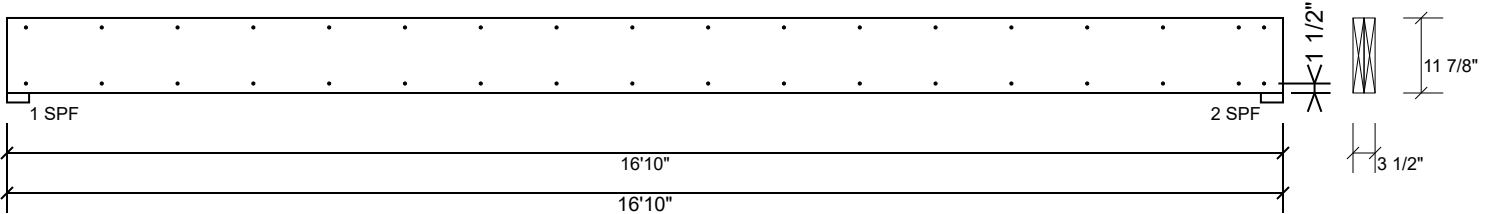
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 910-864-TRUS

**GDH (PT 2) Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED**

Level: Level



**Multi-Ply Analysis**

Fasten all plies using 2 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	163.7 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**

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

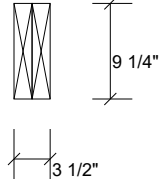
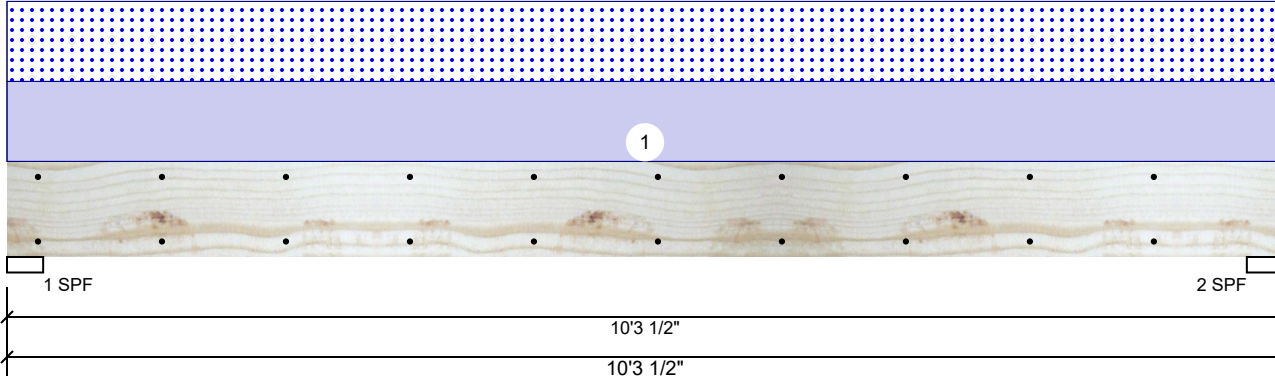
Comtech, Inc.  
 1001 S. Reilly Road, Suite #639  
 Fayetteville, NC  
 USA  
 28314  
 910-864-TRUS





**BM1 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	360
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC 2012
Load Sharing:	No
Deck:	Not Checked

**Reactions UNPATTERNED lb (Uplift)**

Brg	Live	Dead	Snow	Wind	Const
1	0	1447	1410	0	0
2	0	1447	1410	0	0

**Bearings**

Bearing	Length	Cap.	React D/L	Ib	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	55%	1447 / 1410	2857	L	D+S	
2 - SPF	3.500"	55%	1447 / 1410	2857	L	D+S	

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	6711 ft-lb	5'1 3/4"	14423 ft-lb	0.465 (47%)	D+S	L
Unbraced	6711 ft-lb	5'1 3/4"	7519 ft-lb	0.892 (89%)	D+S	L
Shear	2302 lb	1'	7943 lb	0.290 (29%)	D+S	L
LL Defl inch	0.137 (L/864)	5'1 3/4"	0.246 (L/480)	0.560 (56%)	S	L
TL Defl inch	0.277 (L/426)	5'1 3/4"	0.328 (L/360)	0.840 (84%)	D+S	L

**Design Notes**

- 1 Fasten all plies using 2 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 braced at bearings.
- 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	274 PLF	0 PLF	274 PLF	0 PLF	0 PLF	A4
	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

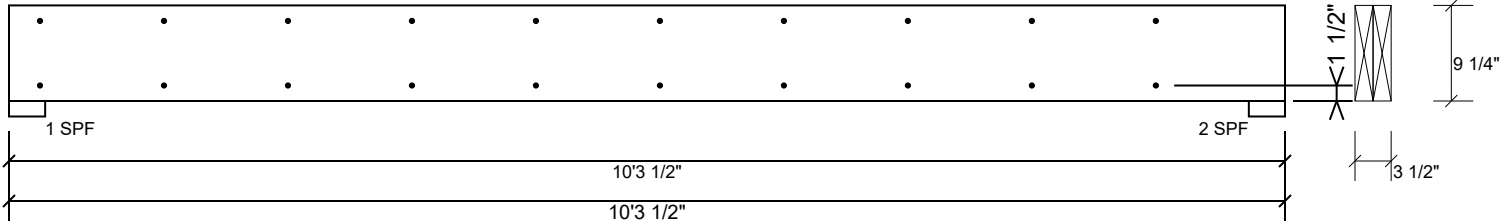
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**BM1 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Multi-Ply Analysis**

Fasten all plies using 2 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	163.7 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**

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
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6. For flat roofs provide proper drainage to prevent ponding

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