

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

12/14/2020

Signature



1820 Brooklyn - RH ELEVATION 'A'



SOUTH
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LAMCO
HOMES

ARCHITECTURAL DRAWINGS			
Sheet No.	Sheet Description	Sheet No.	Sheet Description
0.0	Cover Sheet	4.0	Building Sections
0.1	General Notes Sheet	4.1	Interior Details
1.0	Mono Slab Foundation	5.0	Unfin Walkout Basement Electrical
1.0.1	Mono Slab Options	5.0.1	Unfin In-Ground Basement Electrical
1.1	Stem Wall Foundation	5.0.2	Finished Walkout Basement Electrical
1.1.1	Stem Wall Options	5.0.3	Finished In-Ground Basement Electrical
1.2	Crawl Space Foundation	5.1	First Floor Electrical
1.2.1	Crawl Space Options	5.1.1	First Floor Options Electrical
1.3	In-Ground Basement Foundation	5.2	Second Floor Electrical
1.3.1	In-Ground Basement Options	5.2.1	Second Floor Options Electrical
1.4	Walkout Basement Foundation	5.3	Third Floor Electrical
1.4.1	Walkout Basement Options	5.3.1	Third Floor Options Electrical
2.0	Unfinished Walkout Basement	6.0	Finished Walkout Basement Plumbing
2.0.1	Unfinished In-Ground Basement	6.0.1	Finished In-Ground Basement Plumbing
2.0.2	Finished Walkout Basement	6.1	First Floor Plumbing
2.0.3	Finished In-Ground Basement	6.1.1	First Floor Options Plumbing
2.1	First Floor Plan	6.2	Second Floor Plumbing
2.1.1	First Floor Options		
2.1.2	Fireplace Options		

SQUARE FOOTAGE		
	ELEVATION 'A'	
	UNHEATED	HEATED
FIRST FLOOR	0	1820
SECOND FLOOR	0	0
REAR COV. PORCH	121	0
FRONT PORCH	222	0
2-CAR GARAGE	511	0
SUBTOTALS	854	1820
TOTAL UNDER ROOF		2674
OPTIONS		
	UNHEATED S.F.	HEATED S.F.
OPT. REAR DECK	172	0

DESIGN CRITERIA:

- THIS PLAN HAS BEEN DESIGNED IN CONFORMANCE WITH THE 2012 NORTH CAROLINA RESIDENTIAL CODE
- ASSUMED SOIL BEARING CAPACITY: 2000 PSF
- ASSUMED SOIL TYPE: CL,ML,MH,CH
- LIVING SPACE TOTAL FLR LOAD: 50 PSF
- SLEEPING SPACE TOTAL FLR LOAD: 40 PSF
- ROOF LOAD W/CEILING: 30 PSF
- ROOF LOAD W/O CEILING: 20 PSF
- DECK LOAD: 50 PSF
- ROOF SNOW LOAD: 20 PSF
- WIND EXPOSURE: B
- WIND SPEED: 100 MPH
- WEATHERING: MODERATE
- FROST DEPTH: 12"
- SUBJECT TO TERMITE DAMAGE MODERATE-SEVERE

REVISION LOG				
Rev	Description	Drawn By	Date	Engineering Required
1	----	SDI	----	YES
2	----		----	
3	----		----	
4	----		----	
5	----		----	
6	----		----	
7	----		----	
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DATE	DESCRIPTION	REV.#
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1820 - Brooklyn - RH
SIGNATURE COLLECTION
Cover Sheet

DRAWN BY:
South Designs
ISSUE DATE:
05/15/2018
CURRENT REVISION DATE:

SCALE:
1/8" = 1'-0"
SHEET
0.0a

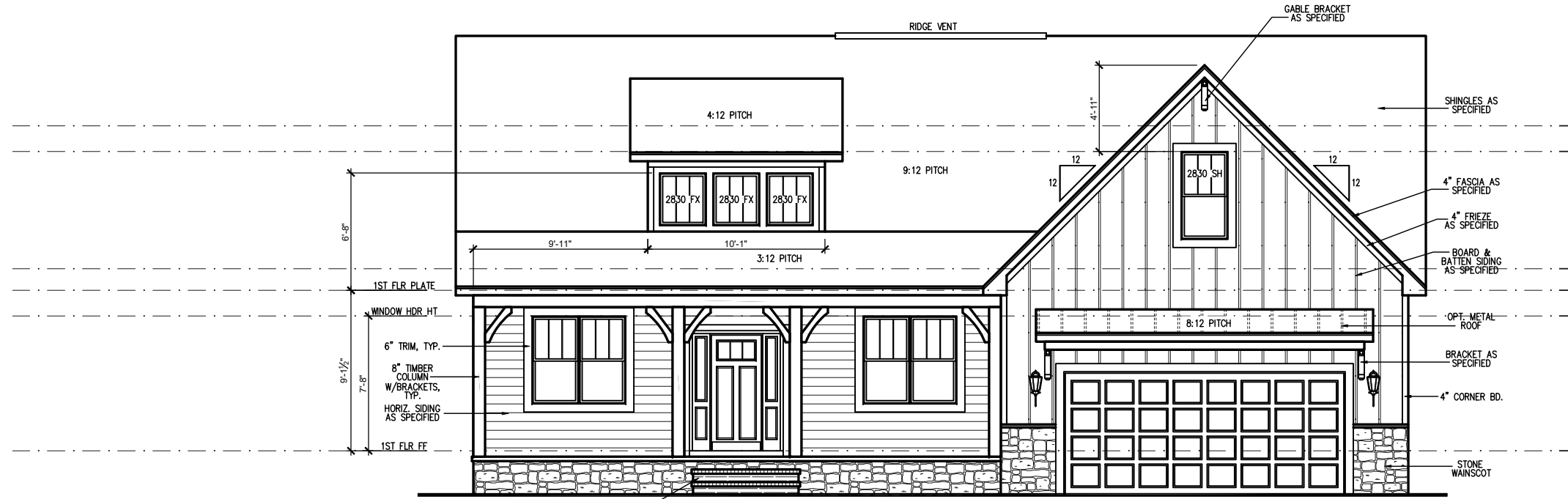
General Elevation Notes

General Elevation Notes shall apply unless noted otherwise on plan.

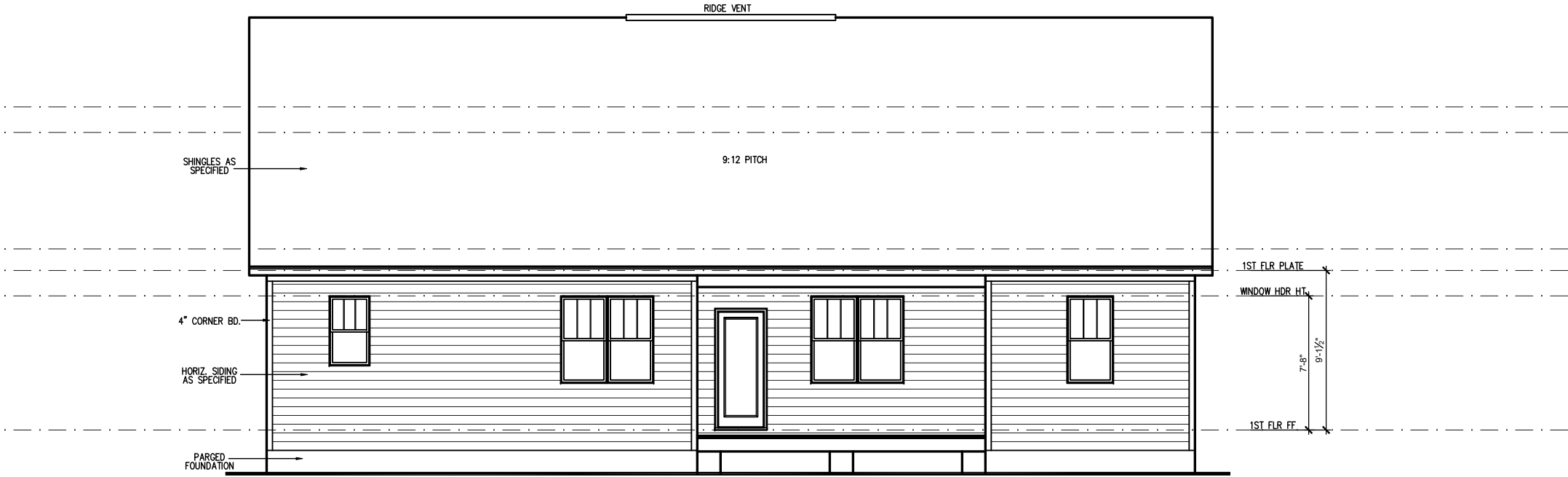
1. Roof shall be finished with architectural composition shingles with slopes as noted on plan.
2. Metal Roof finish is used as an accent material and may be optional, consult community specifications. NOTE: Metal roof is required on any roof slope of 3:12 regardless of Community Standard.
3. Ridge Vent shall be provided and installed on all ridges greater than 6' in length per manufacturer's specifications.
4. Soffit Vent shall be continuous soffit vent, consult community specifications for material.
5. House Wrap, "Tyvek" or approved equal shall be installed over entire exterior wall per manufacturer's specifications and recommendations. "Zip" system sheathing may substitute for House Wrap.
6. Flashing shall be provided above all door and window openings, above finish wall material changes and at wall surfaces where lower roof areas abut vertical wall surfaces.
7. Porch Railings shall be provided at all porch walking surfaces greater than 30" above adjacent finished grade. It shall be 36" high with guards spaced no more than 4" apart. Consult community specifications for material.
8. Finish Wall Material shall be as noted on elevation drawings. Consult community specifications for material make-up of siding, shown as generic on drawing.
9. Brick Veneer, if included on elevation shall be tied to wall surface with galvanized corrugated metal ties at a rate of 24" oc horizontally and 16" oc vertically so that no more than 2.67sf of brick is supported by (1) tie. Space between face of wall and back face of brick shall be limited to a maximum of 1". Flashing shall be provided behind brick above all wall openings and at base of brick wall. Flashing shall be a minimum of 6-mil poly or other corrosion resistant material and shall be installed so that it laps under the house wrap material a minimum of 2". Weepholes shall be provided at a rate of 48" oc and shall not be less than 3/16" in diameter and shall be located immediately above flashing.
10. Brick Veneer Support Lintels shall be provided if brick veneer is included on elevation. Lintels shall be provided as listed in the following schedule and shall have a minimum bearing length of 6". Masonry Lintels shall be provided so that deflection is limited to L/600.

Masonry Opening Lintel Schedule

Opening Size	Angle
up to 4'-0"	3-1/2" x 3-1/2" x
5/16"	4" x 3-1/2" x 5/16"
LLV	5" x 3-1/2" x 5/16"
LLV	6" x 3-1/2" x 5/16"
LLV	7" x 4" x 3/8" LLV



FRONT ELEVATION 'A' (CRAWL)
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17



REAR ELEVATION 'A' (CRAWL)
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17



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REV.#	DATE	DESCRIPTION
1		
2		
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8		

SIGNATURE COLLECTION
Front & Rear Elevations 'A'

DRAWN BY:
South Designs
ISSUE DATE:
05/15/2018
CURRENT REVISION DATE:
.....

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

SHEET
3.1a

General Elevation Notes

General Elevation Notes shall apply unless noted otherwise on plan.

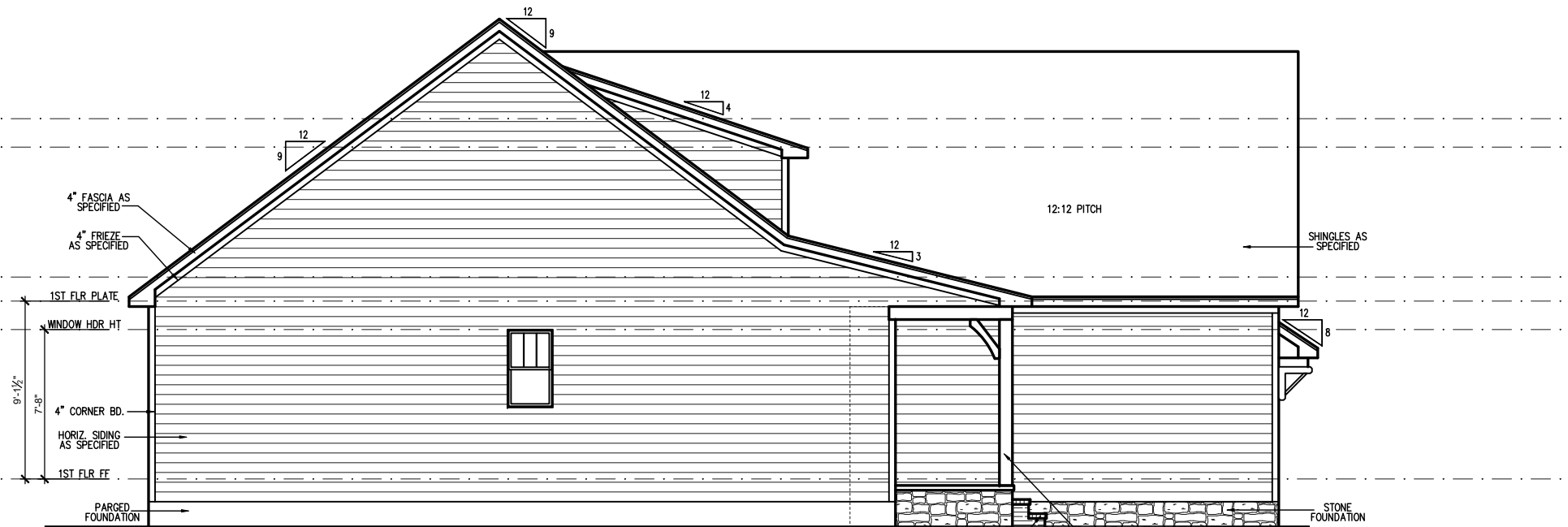
1. Roof shall be finished with architectural composition shingles with slopes as noted on plan.
2. Metal Roof finish is used as an accent material and may be optional, consult community specifications. NOTE: Metal roof is required on any roof slope of 3:12 regardless of Community Standard.
3. Ridge Vent shall be provided and installed on all ridges greater than 6' in length per manufacturer's specifications.
4. Soffit Vent shall be continuous soffit vent, consult community specifications for material.
5. House Wrap, "tyvek" or approved equal shall be installed over entire exterior wall per manufacturer's specifications and recommendations. "Zip" system sheathing may substitute for House Wrap.
6. Flashing shall be provided above all door and window openings, above finish wall material changes and at wall surfaces where lower roof areas abut vertical wall surfaces.
7. Porch Railings shall be provided at all porch walking surfaces greater than 30" above adjacent finished grade. It shall be 36" high with guards spaced no more than 4" apart. Consult community specifications for material.
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Masonry Opening Lintel Schedule

Opening Size	Angle
up to 4'-0"	3-1/2" x 3-1/2" x
5/16" 4'-1" to 5'-6"	4" x 3-1/2" x 5/16"
LLV 5'-7" to 6'-6"	5" x 3-1/2" x 5/16"
LLV 6'-7" to 8'-4"	6" x 3-1/2" x 5/16"
LLV 8'-5" to 16'-4"	7" x 4" x 3/8" LLV



RIGHT SIDE ELEVATION 'A' (CRAWL)
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17



LEFT SIDE ELEVATION 'A' (CRAWL)
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17



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REV.#	DATE	DESCRIPTION
1		
2		
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4		
5		
6		
7		
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1820 -Brooklyn - RH
SIGNATURE COLLECTION
Side Elevations 'A'

DRAWN BY:
South Designs
ISSUE DATE:
05/15/2018
CURRENT REVISION DATE:
.....

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

SHEET
3.2a

FOUNDATION NOTES:

- FOUNDATIONS TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 4 OF THE 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE WITH ALL LOCAL AMENDMENTS.
- STRUCTURAL CONCRETE TO BE $F_c = 3000$ PSI, PREPARED AND PLACED IN ACCORDANCE WITH ACI STANDARD 318.
- FOOTINGS TO BE PLACED ON UNDISTURBED EARTH, BEARING A MINIMUM OF 12" BELOW ADJACENT FINISHED GRADE, OR AS OTHERWISE DIRECTED BY THE CODE ENFORCEMENT OFFICIAL.
- FOOTING SIZES BASED ON A PRESUMPTIVE SOIL BEARING CAPACITY OF 2000 PSF. CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE SUITABILITY OF THE SITE SOIL CONDITIONS AT THE TIME OF CONSTRUCTION.
- FOOTINGS AND PIERS SHALL BE CENTERED UNDER THEIR RESPECTIVE ELEMENTS. PROVIDE 2" MINIMUM FOOTING PROJECTION FROM THE FACE OF MASONRY.
- MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS SPECIFIED IN SECTION R402.1 OF THE 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE.
- FILASTERS TO BE BONDED TO PERIMETER FOUNDATION WALL.
- PROVIDE FOUNDATION WATERPROOFING, AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS.
- PROVIDED PERIMETER INSULATION FOR ALL FOUNDATIONS PER 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE.
- CORREL FOUNDATION WALL AS REQUIRED TO ACCOMMODATE BRICK VENEERS.
- CRAWL SPACE TO BE GRADED LEVEL, AND CLEARED OF ALL DEBRIS.
- FOUNDATION ANCHORAGE SHALL BE A MIN. OF 1/2" DIA. ANCHOR BOLTS AND SHALL EXTEND A MIN. OF 1" INTO MASONRY OR CONCRETE. BOLTS SHALL BE 6'-0" O.C. AND WITH 12" OF ALL PLATE SPICES. MIN. (2) ANCHOR BOLTS PER PLATE SECTION. ABBREVIATIONS:

TS = TIMBER STRAND	DJ = DOUBLE JOIST
SC = STUD COLUMN	DR = DOUBLE RAFTER
EE = EACH END	TR = TRIPLE RAFTER
TJ = TRIPLE JOIST	OC = ON CENTER
CL = CENTER LINE	FL = POINT LOAD

- ALL PIERS TO BE 16"x16" MASONRY AND ALL PILASTERS TO BE 8"x16" MASONRY, TYPICAL. (INO)
- WALL FOOTINGS TO BE CONTINUOUS CONCRETE, SIZES PER STRUCTURAL PLAN.
- A FOUNDATION EXCAVATION OBSERVATION SHOULD BE CONDUCTED BY A PROFESSIONAL GEOTECHNICAL ENGINEER, OR HIS QUALIFIED REPRESENTATIVE IF ISOLATED AREAS OF YIELDING MATERIALS AND/OR POTENTIALLY EXPANSIVE SOILS ARE OBSERVED IN THE FOOTING EXCAVATIONS AT THE TIME OF CONSTRUCTION. SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. MUST BE PROVIDED THE OPPORTUNITY TO REVIEW THE FOOTING DESIGN PRIOR TO CONCRETE PLACEMENT.
- ALL FOOTINGS & SLABS ARE TO BEAR ON UNDISTURBED SOIL OR 95% COMPACTED FILL, VERIFIED BY ENGINEER OR CODE OFFICIAL.

REFER TO BRACED WALL PLAN FOR PANEL LOCATIONS AND ANY REQUIRED HOLD-DOWNS. ADDITIONAL INFORMATION PER SECTION R602.10.3 AND FIGURES R602.10.6.5, R602.10.1, R602.10.2(1) AND R602.10.2(2) OF THE 2012 IRC.

NOTE: ALL EXTERIOR FOUNDATION DIMENSIONS ARE TO FRAMING AND NOT BRICK VENEER, UNO

NOTE: A 4" CRUSHED STONE BASE COURSE IS NOT REQUIRED WHEN SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP 1 PER TABLE R402.1

REINFORCE GARAGE PORTAL WALLS PER DETAIL 2/D2? OR FIGURE R602.10.3 OF THE 2012 IRC.

BEAM POCKETS MAY BE SUBSTITUTED FOR MASONRY PILASTERS AT GIRDER ENDS. BEAM POCKETS SHALL HAVE A MINIMUM 4" SOLID MASONRY BEARING.

NOTE: REDUCE JOIST SPACING UNDER TILE FLOORS, GRANITE COUNTERTOPS AND/OR ISLANDS.

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY SOUTH DESIGNS COMPLETED/REVISED ON 05/15/2018. IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

STRUCTURAL MEMBERS ONLY

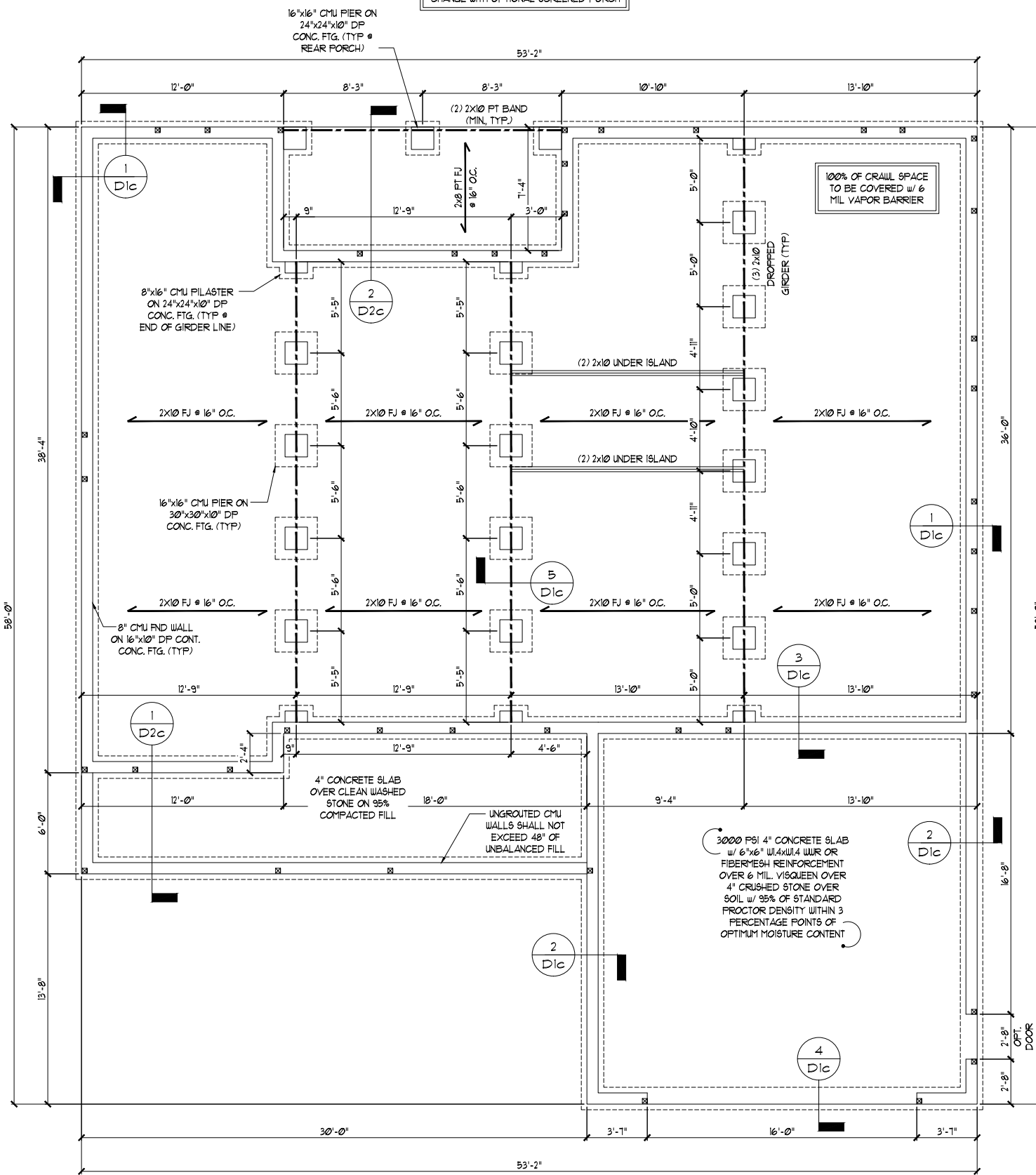
ENGINEERING SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS. ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. FAILURE TO DO SO WILL VOID SUMMIT LIABILITY.

STRUCTURAL ANALYSIS BASED ON 2012 NCR. C.

CRAWL SPACE FOUNDATION PLAN

SCALE: 1/4"=1'-0" ON 22"x34" OR 1/8"=1'-0" ON 18"x11"

NOTE: FOUNDATION PLAN DOES NOT CHANGE WITH OPTIONAL SCREENED PORCH



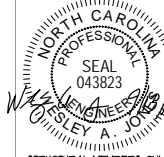
ELEVATION A

18"x24" MIN. CRAWL SPACE ACCESS DOOR TO BE LOCATED IN FIELD PER BUILDER. PROVIDE MIN. (2) 2x10 HEADER OVER DOOR w/ MIN. 4" BEARING EACH END. AVOID SHOWN POINT LOADS.



CLIENT: South Designs c/o Lanco Homes
PO Box 688
Wilkes Forest, NC 27658

PROJECT: Crawl Space Foundation



STRUCTURAL MEMBERS ONLY

DRAWING DATE: 09/15/2018
SCALE: 22x34 1/4"=1'-0" 18"x11" 1/8"=1'-0"
PROJECT # 5562501
DRAWN BY: EFB
CHECKED BY: WAJ

ORIGINAL INFORMATION PROJECT # 5562501 DATE 09/15/2018

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

51.0c

MAX. GIRDER TRUSS REACTION (LBS)

NO TBE, 5YP #2 TOP PLATE		
# OF PLYS	2x4 WALL	2x6 WALL
2	5134	1013
3	1102	10519
4	10269	14075
WITH TBE, 5YP #2 TOP PLATE		
2	1045	8933
3	9622	12439
4	12189	15945

GIRDER TRUSS PLYS SHOWN ARE FOR ILLUSTRATION ONLY. PLEASE REFER TO TRUSS LAYOUT DRAWINGS PROVIDED BY TRUSS MANUF. FOR ACTUAL NUMBER OF PLYS REQ'D.

TRUSS UPLIFT CONNECTOR SCHEDULE

MODEL #	MAX. UPLIFT (LBS)
H1	585
H2A	515
H2BT	545
H4	360
H10A*	1140
H16*	1470
HT520*	1450

USE BELOW ONLY FOR 2-PLY OR GREATER GIRDER TRUSSES THAT EXCEEDS THE UPLIFT REQUIREMENTS ABOVE.

MODEL #	MAX. UPLIFT (LBS)	FLY #
LGT2*	2050	2
LGT3-SD525*	3605	3
LGT4-SD53*	4060	4
HGT-2*	1090	2
HGT-3*	1050	3
HGT-4*	9250	4

1. SST PRODUCTS SHOWN. EQUIV. PRODUCTS MAY BE USED PROVIDING UPLIFT REQUIREMENTS ARE MET.
2. VALUES SHOWN ARE FOR A SINGLE ANCHOR. DBL ANCHORS MAY BE USED TO DBL THE UPLIFT CAPACITY SHOWN ABOVE, ONLY IF THE MEMBER IS A MIN. THICKNESS OF 2-1/2".
3. UPLIFT VALUES ARE FOR 5YP #2 WOOD SPECIES. PLEASE CONTACT ENGINEER OR TRUSS MANUFACTURER IF USING DIFFERENT SPECIES OR GRADE.
4. GIRDER TRUSS-GIRDER TRUSS CONNECTIONS ARE TO BE SPECIFIED AND SUPPLIED BY THE TRUSS COMPANY. THE ENGINEER IS NOT RESPONSIBLE FOR THESE CONNECTIONS.
5. ITEMS DENOTED WITH "*" MAY NOT BE DOUBLED TO INCREASE LOAD CAPACITY.

NOTE: 1ST PLY OF ALL SHOWN GIRDER TRUSSES TO ALIGN WITH INSIDE FACE OF WALL (TYP. UNO)

NOTE: ROOF TRUSSES SHALL BE SPACED TO SUPPORT FALSE FRAMED DORMER WALLS (TYP. UNO)

THESE PLANS ARE DESIGNED IN ACCORDANCE WITH ARCHITECTURAL PLANS PROVIDED BY SOUTH DESIGNS COMPLETED/REVISED ON 02/15/2018. IT IS THE RESPONSIBILITY OF THE CLIENT TO NOTIFY SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. IF ANY CHANGES ARE MADE TO THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. SUMMIT ENGINEERING, LABORATORY & TESTING, P.C. CANNOT GUARANTEE THE ADEQUACY OF THESE STRUCTURAL PLANS WHEN USED WITH ARCHITECTURAL PLANS DATED DIFFERENTLY THAN THE DATE LISTED ABOVE.

NOTE: REFER TO DETAIL 5/D31 FOR EYEBROW, RETURN OR SHED ROOF FRAMING REQUIREMENTS. (TYP. FOR ROOFS PROTRUDING MAX. 2'-0" FROM STRUCTURE)

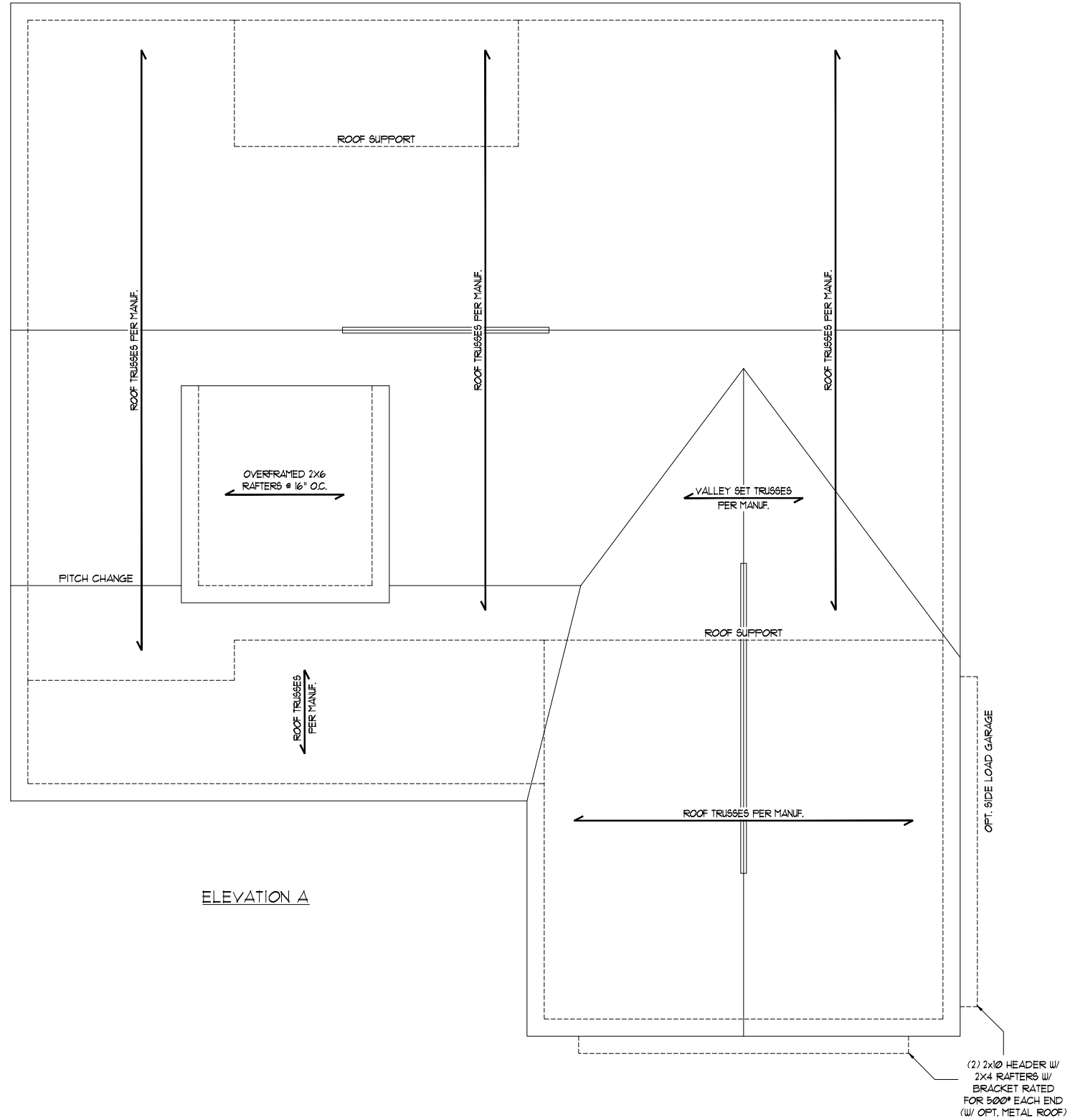
STRUCTURAL MEMBERS ONLY

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STRUCTURAL ANALYSIS BASED ON 2012 NCR. C.

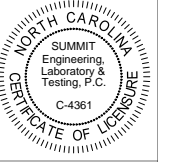
ROOF FRAMING PLAN

SCALE: 1/4"=1'-0" ON 22'x34" OR 1/8"=1'-0" ON 11'x11"



ELEVATION A

(2) 2x10 HEADER W/ 2x4 RAFTERS W/ BRACKET RATED FOR 500# EACH END (W/ OPT. METAL ROOF)



CLIENT: South Designs c/o Lamco Homes
PO Box 688
Wilkes Forest, NC 27688

PROJECT: Roof Framing Plan



STRUCTURAL MEMBERS ONLY

DRAWING DATE: 09/15/2018
SCALE: 1/2"=1'-0" (1/4"=1'-0" OR 1/8"=1'-0")
PROJECT # 5562501
DRAWN BY: EPB
CHECKED BY: WAJ

ORIGINAL INFORMATION
PROJECT # 5562501 DATE 09/15/2018

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

SHEET

ELECTRICAL SYMBOL KEY

LIGHT FIXTURES	
	CEILING SURFACE MOUNT LIGHT
	RECESSED CAN LIGHT
	RECESSED CAN LIGHT WATERPROOF
	RECESSED CAN - EYEBALL
	PENDANT LIGHTING
	WALL SCONCE
	WALL MOUNT LIGHT
	FLOOD LIGHT
OUTLETS	
	DUPLEX OUTLET
	GFI OUTLET
	WATERPROOF GFI OUTLET
	SWITCHED 1/2 HOT DUPLEX OUTLET
	220V OUTLET
	TELEPHONE OUTLET
	CATV (TELEVISION) OUTLET
	UNDER-COUNTER OR CONCEALED OUTLETS
	CEILING MOUNTED DUP. OUTLET
	FLOOR MOUNTED DUP. OUTLET
SWITCHES	
	SINGLE POLE SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	ELECTRICAL DISCONNECT
MISC FIXTURES	
	EXHAUST FAN
	JUNCTION BOX
	JUNCTION BOX 220V
	CARBON MONOXIDE DETECTOR OR SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR AND SMOKE DETECTOR
	ELECTRIC METER
	ELECTRICAL PANEL
	DOOR BELL CHIME
	DOOR BELL PUSH BUTTON
	CEILING FAN PREWIRE
	FLUORESCENT LIGHT

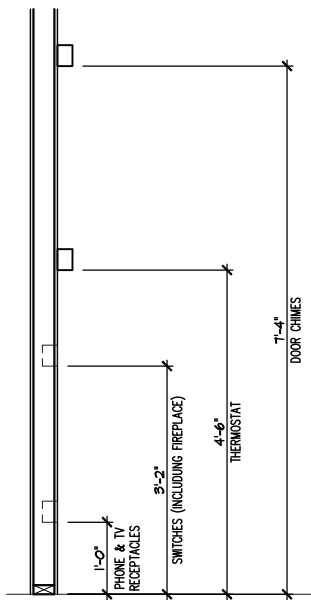
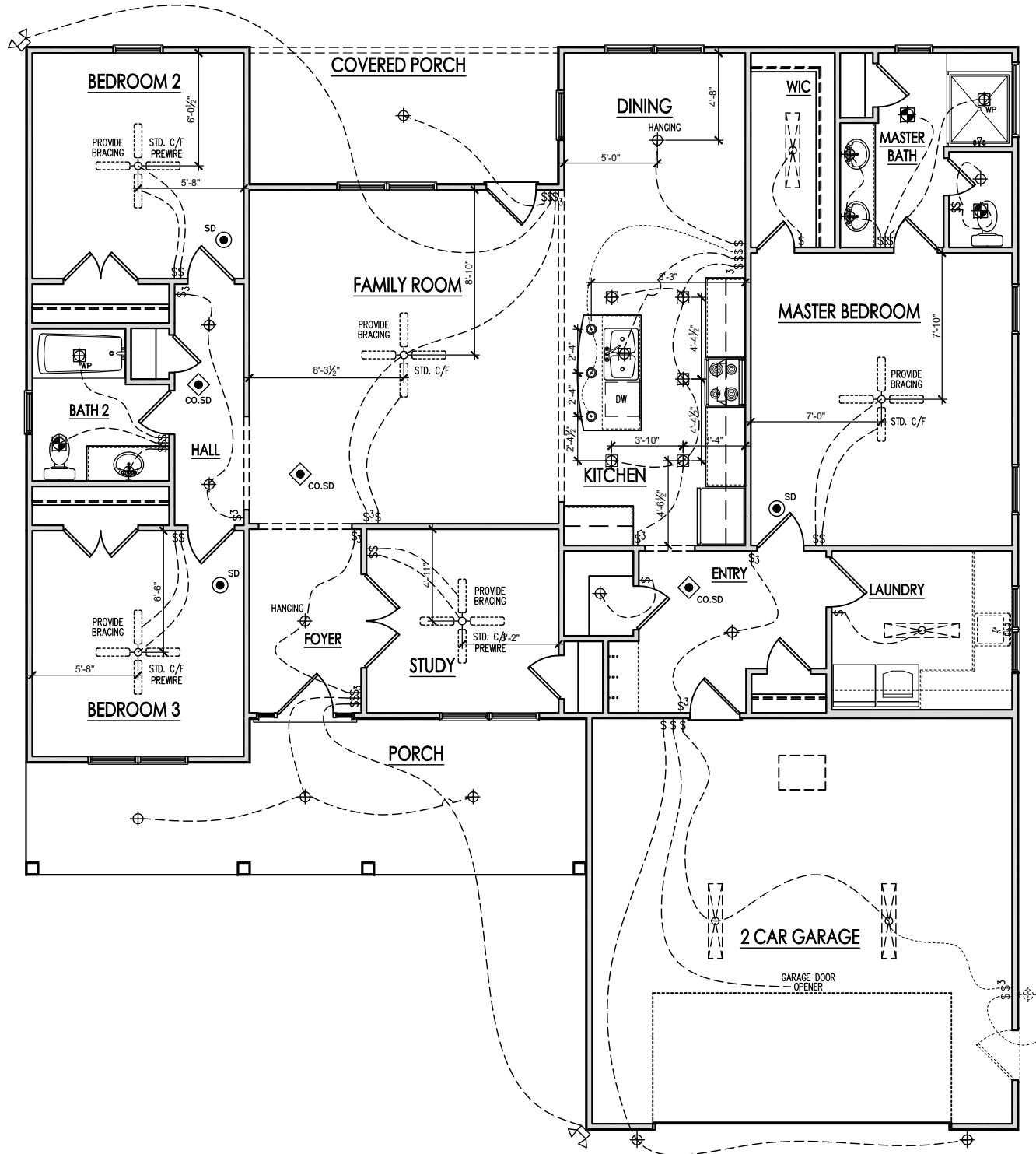
General Power and Lighting:

General Power and Lighting Notes shall apply unless noted otherwise on plans.

All work shall be installed per the 2012 NC Residential Building Code, and the National Electric Code. Alarm devices shall meet NFPA 72.

- Smoke Alarms - Shall be provided as a minimum of (1) per floor, including basements (if applicable), (1) in each sleep room, and (1) outside each sleeping area, within the immediate vicinity of sleeping rooms. When more than one alarm is required, the alarm devices shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms. Smoke alarms shall be hard wired to permanent power and shall have batter back-ups.
- Switches - For lighting, fans, etc. shall be installed at heights illustrated on this page and shall be located a minimum of 4 1/2" from door openings to allow for the proper installation of door casings. Switches, thermostats, security pads, and other similar devices shall be grouped together and installed thoughtfully for convenience of use and to avoid placement within centers of wall areas.

Note:
This plan is a diagram showing approximate locations of convenience outlets based on requirements found in the NC Residential Code and N.E.C. Actual positions may vary from what is shown on plan.



ELECTRICAL BOX HEIGHTS

FIRST FLOOR ELECTRICAL PLAN 'A'

SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



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LAMCO HOMES

REV.#	DATE	DESCRIPTION
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1820 · Brooklyn- RH
SIGNATURE COLLECTION
First Floor Electrical 'A'

DRAWN BY:
South Designs
ISSUE DATE:
05/15/2018
CURRENT REVISION DATE:
.....
SCALE:
1/8" = 1'-0"

SHEET
5.1a

ROOF TRUSS NOTES:

DO NOT CUT, DRILL, NOTCH, OR OTHERWISE DAMAGE TRUSSES. Contact your BFS Representative for assistance PRIOR TO modifying any truss.

Espanol - (NO CORTE, PERFORE, HAGA MUESCAS O DANE DE CUALQUIER OTRA MANERA LAS TRUSSES (CERCHAS DE MADERA). Contacte a su representante de BFS para asistencia ANTES de realizar cualquier modificación.)

- This Truss Placement Diagram is intended to serve as a guide for truss installation. This Diagram has been prepared by a Truss Technician and is not an engineered drawing.
- The responsibilities of the Owner, Building Designer, Contractor, Truss Designer, and Truss Manufacturer shall be as defined by the TPI 1 National Standard.
- The wood components shown on this diagram are to be used in dry service (moisture content <19%) and non-toxic environmental applications. The metal plates and hangers are galvanized to the G60 Standard unless noted otherwise.
- Refer to the Truss Design Drawings for specific information about each individual truss design.
- The Truss Technician shall provide Truss-to-Truss Connection Requirements. Any special or other connection shall be the responsibility of the Building Designer.
- The Truss Placement Diagram and Truss Design Drawings are the property of Builders FirstSource and may not be reused or reproduced in part or in total under any circumstances without prior written authorization.
- In some cases, field framing may be required to achieve the final appearance shown on the Construction Documents.
- Field framing, including valley rafters, installed over roof trusses shall have a knee brace from the rafter to the truss top chord at intervals of 48" on center (O.C.) or less. Stagger knee braces from adjacent rafters such that the load is distributed uniformly over multiple truss locations and not concentrated at one location or along one truss.
- Truss Top Chords shall be fully sheathed or have lateral bracing (purlins) spaced at 24" O.C. or less. Truss Bottom Chord Bracing shall not exceed the maximum shown on the Truss Design Drawing. Field framed bottom chord floor or ceiling attachments shall be spaced at 24" O.C. or less. Proper Bracing prevents buckling of individual truss members due to design loads.
- This Placement Diagram is based upon the supporting structure being structurally adequate, dimensionally correct, square, plumb, and level to adequately support the trusses. The foundation design, structural member sizing, load transfer, bearing conditions, and the structure's compliance with the applicable building code are the responsibility of the Owner, Building Designer, and Contractor.
- If Piggyback Trusses are included in this project, refer to the Mitek Piggyback Connection Detail applicable for the project details and wind load category.
- The Contractor shall follow the SBCA TTB Partition Separation Prevention and Solutions for truss attachment to non-load bearing walls and carefully complete these details to avoid gypsum wall board related issues.

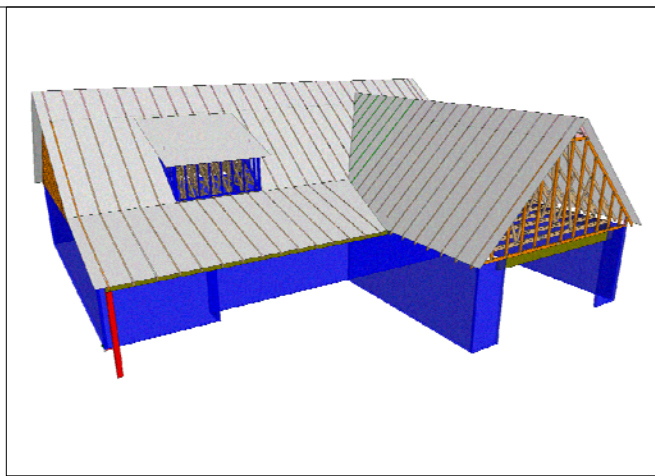
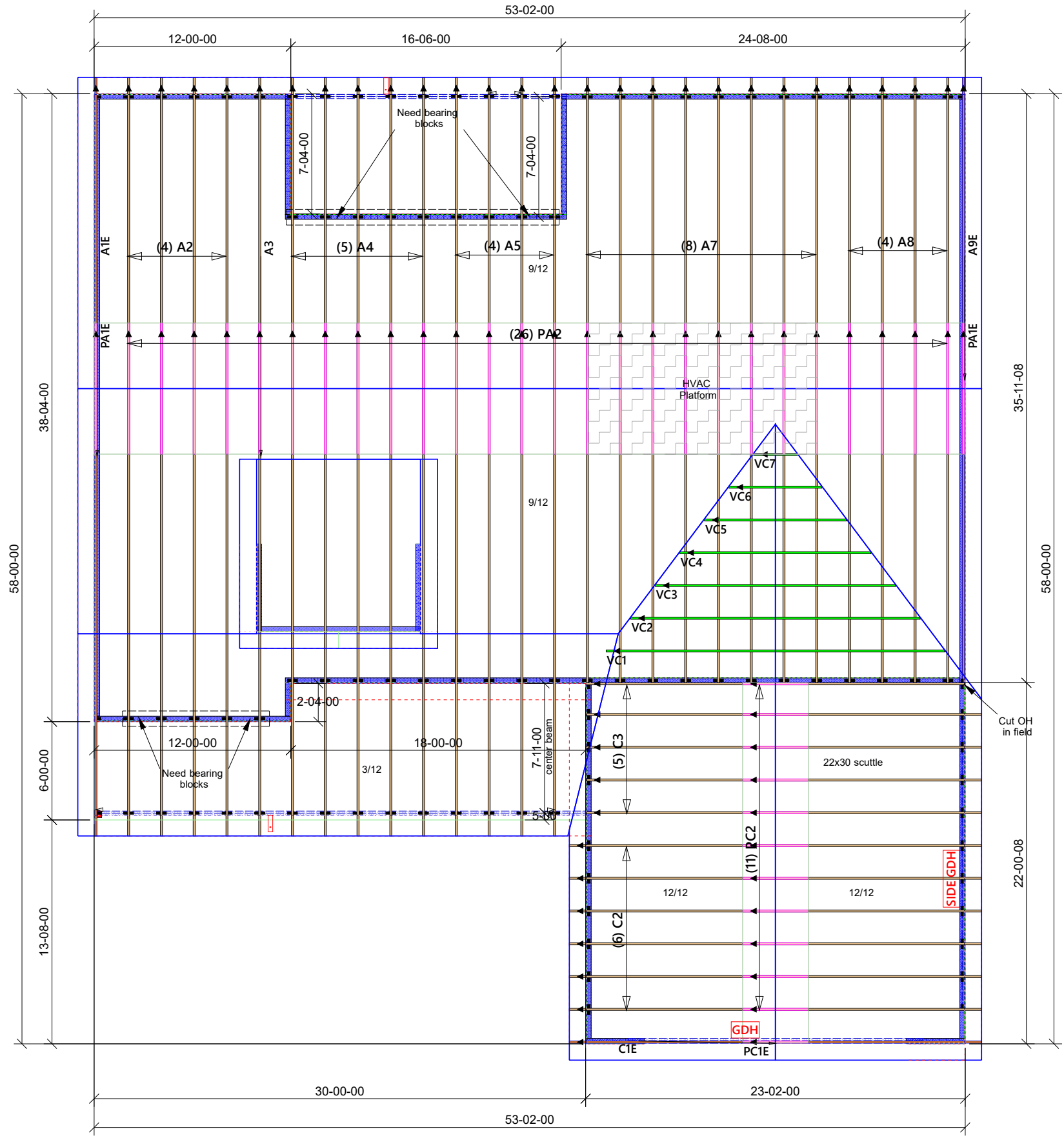
WARNING:

TRUSSES MUST BE BRACED DURING INSTALLATION. FAILURE TO DO SO MAY RESULT IN INJURY OR DEATH.

Espanol - (TRUSSES (CERCHAS) DEBERAN TENER UN SOPORTE DURANTE LA INSTALACION. NO HACERLO PODRIA RESULTAR EN LESIONES O MUERTE.)

- Trusses shall be installed in a safe manner meeting all code, local, OSHA, TPI, and BCSI Specifications. Failure to follow these specifications may result in injury or death.
- Buildings under construction are vulnerable to high winds and present a possible safety hazard. The Contractor is responsible for recognizing adverse weather conditions and shall take appropriate action to prevent injury or death.
- BCSI INSTRUCTIONS SHALL BE FOLLOWED:**
 BCSI-B1 = Safe Truss Handling and Installation
 BCSI-B2 = Installation and Temporary Restraint
 BCSI-B3 = Permanent Restraint
 BCSI-B4 = Safe Construction Loading
 BCSI-B5 = Truss Damage and Modification Guidelines
 BCSI-B7 = Floor Truss Installation
 BCSI-B8 = Toe-Nailed Connections
 BCSI-B9 = Multi-Ply Girders
 BCSI-B10 = Post Frame Truss Installation
 BCSI-B11 = Fall Protection
- Follow TPI Requirements for Long Span Trusses (>60').

**TOTAL ROOF AREA
3676.83 SQ FT**



Products				
PlotID	Length	Product	Plies	Net Qty
GDH	18-00-00	1-3/4" x 11-7/8" VERSA-LAM® 2.0 3100 SP	2	2
SIDE GDH	18-00-00	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2

Until the building is completely erected in accordance with plans, the trusses may be unstable and present a safety hazard. Truss instability may increase with building width, height, and length. Buildings under construction are vulnerable to high winds and present a possible safety hazard. It is the responsibility of the contractor and framer to recognize adverse weather conditions and take prompt and appropriate action to protect life and prevent injury. Prior to setting trusses, refer to Building Component Safety Information (BCSI) document produced by SBCA and TPI. Follow BCSI Specifications for Erection and Bracing.

Customer Name: Lamco Custom Homes
Subdivision: .
Plan Name: Brooke A
Lot#: .
MISC NOTES: .

Revisions:

Drawn By: AG
DATE: 4/29/2019
Page Number: 1 of 1

No Scale

File Name: BROOKEA

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