TrueHomes

IT'S ALL ABOUT U

BUIES CREEK TOWNHOMES

HEADER SCHEDULE LL INTERIOR BEARING AND EXTERIOR WALLS

- SPANS UP TO 3'-6" -- (2) 2x8's . SPANS 3'-6" TO 6'-6" -- (2) 2x10's 3. SPANS 6'-6" OR MORE --
- ** SOUTH CAROLINA SPECIFIC NOTE ** ALL OPENINGS IN THERMAL ENVELOPE MUST HAVE INSULATED HEADER PER CODE

EXTERIOR HINGED DOOR SCHEDULE

DOO	R WIDTH	DOOR HEIGHT R.O.		
PLAN I.D.	R.O. WIDTH	8FT CEILING	9FT CEILING	I OFT CEILING
3/0	3'-2 1/2"	82-1/2"	82-1/2"	98-1/2"
2/8	2'-10 1/2"			
5/0	5'-3 5/8"			
5/4	5'-7 5/8"			
6/0	6'-3 5/8"			
SLIDING PATIO DOORS				
5/0	4'-11 1/2"	80 _"	0	-96
6/0	5'-11 1/2"	Ø	ø.	<u>v</u>

INTERIOR HINGED DOOR SCHEDULE

	DOOR	DOOR WIDTH		DOOR HEIGHT R.O.		
	PLAN I.D.	R.O. WIDTH	8FT CEILING	9FT CEILING	I OFT CEILING	
	1/4	1'-6"	82-1/2" (G-8" NOMINAL DOOR HEIGHT +2-1/2")	(G-&" NOMINAL DOOR HEIGHT +2-1/2") 82-1/2" (G-&" NOMINAL DOOR HEIGHT +2-1/2") 98-1/2" 98-1/2"	2")	
	1/6	1'-8"			98-1/2" DOOR HEIGHT +2-1/2	
	1/8	1'-10"				
	2/0	2'-2"				
	2/4	2'-6"				
	2/6	2'-8"				
	2/8	2'-10"		982-	38-	
	2/10	3'-0"		MINALI	MINAL	
	3/0	3'-2"				
	4/0	4'-2"		_	9	9
	5/0	5'-2"		<u>_</u>	O	
ı	6/0	6'-2"		9)	(8)	
- 1						

LOAD BEARING ()NON-LOAD BEARING

GENERAL NOTES

- PLANS PERMITTED IN NORTH CAROLINA ARE DESIGNED TO MEET THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE, AS ISSUED BY THE STATE OF NORTH CAROLINA, AND PLANS PERMITTED IN SOUTH CAROLINA DESIGNED TO MEET 2021 SOUTH CAROLINA RESIDENTIAL BUILDING CODE AS ISSUED BY THE STATE OF SOUTH CAROLINA, WITH MODIFICATIONS AS REQUIRED TO MEET LOCAL BUILDING CODES FOR EACH APPLICABLE JURISDICTION.
- DO NOT SCALE DIMENSIONS FROM PRINTS. USE DIMENSIONS GIVEN OR CONSULT ARCHITECTURAL SERVICES DEPARTMENT FOR FURTHER CLARIFICATION.
- ALL DIMENSIONS ARE FROM WALL FRAMING (FACE OF STUD), NO FINISHED DIMENSIONS ARE GIVEN U.N.O. ALL INTERIOR NON-LOAD BEARING WALLS TO BE 2x4 STUDS @ 24" O.C. (U.N.O.). OR AS SPECIFIED PER COMMUNITY SPECS \$
- ALL STRUCTURAL FRAMING LUMBER EXPOSED DIRECTLY TO THE WEATHER OR BEARING DIRECTLY ON MASONRY OR CONCRETE SHALL BE TREATED. ALL WOOD IN CONTACT WITH THE GROUND MUST BE GROUND-CONTACT APPROVED. ALL WOOD
- EXPOSED DIRECTLY TO THE WEATHER SHALL BE PROTECTED TO PREVENT THE OCCURRENCE OF ROT. ALL ANGLED WALLS ARE AT 45 DEGREES UNLESS NOTED OTHERWISE.
- REFER TO QUALITY STANDARDS AND/OR MANUFACTURER SPECS FOR WINDOW ROUGH OPENING SIZES. SEE ELEVATIONS FOR WINDOW HEADER HEIGHTS (U.N.O.).
- PROVIDE BLOCKING ABOVE WINDOWS AND DOORS 16" O.C.
- PROVIDE EXTRA STUDS AS INDICATED AT BEAM BEARING LOCATIONS.
- IO. WALLS TO BE FRAMED WITH STUDS AT IG" O.C. AT KITCHEN & BATH WALLS WITH CABINETS AND AT TUB/SHOWER LOCATIONS
- . ALL COMMON CEILING BETWEEN GARAGE TO HOUSE PROVIDE 5/8" TYPE X GWB PER GARAGE SEPARATION REQUIREMENTS PER CODE. ALL JOINTS TO BE TAPED \$ MUDDED FOR FIRE SEPARATION. ALL STRUCTURES SUPPORTING FLOOR/CEILING ASSEMBLIES USED FOR SEPARATION REQUIRE NOT LESS THAN 1/2" GYP OR EQ. PER SECTION R302.6
- 2. SEPARATE GARAGE FROM ATTIC WITH 5/8" TYPE X GWB SCUTTLE MINIMUM AND 2X SCUTTLE FRAMING MATERIAL
- HEEL HEIGHTS: SEE ELEVATIONS SHEETS FOR TOP OF FASCIA DIMENSIONS TO GATHER PROPER HEEL HEIGHT REQUIREMENTS 14. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES AND PER
- 15. PROVIDE I ½" FLAT WALL FRAMING FOR ALL HVAC CHASES UNLESS NOTED OTHERWISE. SEE FRAMING SHEET GN FOR ADDITIONAL NOTES PER LOCAL CODES.
- 6. TYPICAL DOOR OFFSET FROM PERPENDICULAR WALL U.N.O. = 4" FOR ANSWER, INTEGRITY, ELEMENTS, \$ TRIBUTE OR TYPICAL DOOR OFFSET FROM PERPENDICULAR WALL U.N.O. = G'' FOR TRADITIONS COLLECTION OR
- DOOR OFFSET CENTERED IN THE WALL UNLESS NOTED OTHERWISE
- 17. ALL HOMES TREATED WITH BORA-CARE TERMITE TREATMENT. 18. SMURF DOORS ARE 21 1/2" x 39" NOMINAL (R.O. 22 1/2" x 40").
- 19. DIMENSION AND NOTATIONS ON PLANS HAVE PREFERENCE OVER GRAPHIC DEPICTIONS AND SHOULD BE UTILIZED TO SETTLE ANY DISCREPANCIES - ANY DISCREPANCIES FOUND SHOULD BE FORWARDED TO THE ARCHITECTURAL SERVICES DEPARTMENT FOR RESOLUTION. (ATTN: TRUE HOMES FIELD ASSOC. IF YOU HAVE READ THIS FAR. PLEASE CALL CAD HOTLINE FOR PRIZE)
- 20. TYPICAL FOUNDATION AND ENGINEERING CONSTRUCTION DETAILS ARE SHOWN IN RESPECTIVE PLANS. TYPICAL DETAILS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PLAN THAT ARE THE SAME OR SIMILAR TO THOSE SPECIALLY DETAILED. THE APPLICABLY OF THE DETAIL TO ITS LOCATION ON THE DRAWINGS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS SHALL APPLY WITHER OR NOT THEY ARE REFERENCED AT EACH LOCATION.
- 21. ALL CONSTRUCTION SPECIFICATION NOT COVERED ON THIS SHEET, OR IN PLAN SETS AND GENERAL SPECIFICATIONS, ARE TO MEET ALL APPLICABLE STATE AND LOCAL BUILDING CODES.
- 22. HOUSE CONSTRUCTION IS TYPICAL 2X4 STUDS AT 16" O.C. AT ALL EXTERIOR WALLS UNLESS OTHERWISE NOTED. WALLS THAT ARE TO BE BALLOON FRAMED OR CONSTRUCTED WITH 2X6 STUDS WILL BE NOTED AS SUCH. ALL BASEMENT FRAMED WALLS TO BE 2X4 STUDS FOR ONE-STORY PLANS AND 2X6 STUDS FOR LOAD BEARING WALLS ON TWO-STORY PLANS UNLESS
- 23. TRUE HOMES RESERVES THE RIGHT TO MAKE MODIFICATIONS TO FLOOR PLANS, DIMENSIONS, MATERIALS, AND SPECIFICATIONS WITHOUT NOTICE. THESE DRAWINGS ARE FOR THE PURPOSE OF CONVEYING AN ARCHITECTURAL CONCEPT

THE 'LUCAS TH'

LOTS 59-65

ADDRESS LILLINGTON, NC

COMMUNITY SPECS

(Detailed listing of all Community Specifications can be found in Showroom Selections)

- MONO FOUNDATION w/ INSULATION
- VINYL SIDING
- CEMENT SOFFIT
- CEMENT PORCH CEILINGS
- ALUMINUM COIL WRAPPED 6" FASCIA
- **HVAC LOCATION REAR**

INTEGRITY COLLECTION

CS

52

53

53.

A4.1

D5

D5. I

D5.2

D5.3

D7

D9

LIPPER LEVEL FLOOR PLAN

LOWER LEVEL ELECTRICAL PLAN

UPPER LEVEL ELECTRICAL PLAN

AREA SEPARATION WALL DETAILS

MONO FOUNDATION DETAILS

UL RATED WALL DETAILS

DOOR / WINDOW DETAILS

MISC. DETAILS

GENERAL NOTES

GENERAL NOTES

D14 PORTAL FRAME DETAILS

EAVE & CORNICE DETAILS

EXTERIOR SPECIFIC DETAILS

EXTERIOR SPECIFIC DETAILS

STAIR SECTIONS & MISC. DETAILS

FRONT ELEVATIONS

REAR ELEVATIONS

HELP HOTLINES TABLE OF CONTENTS

"WHEN IN DOUBT, GIVE US A SHOUT TRUE BUILDER: (To be filled in by Builder on site)

NAME:

NUMBER

ARCHITECTURAL SERVICES:

- Missing or Conflicting Dimensions
- Plan Legibility
- Missing Options

Mon-Fri: 8am - 5pm CHARLOTTE MKTS: 704-681-2032 ALL OTHER MKTS: 704-993-1861 E-mail: CADISSUE@truehomesusa.com

ESTIMATING:

- Missing Material or Shortage Purchase Order Questions
- Mon-Fri: 8am 5pm ALL MKTS: 704-681-4916

COVER SHEET SLAB FORMWORK PLAN BUIES CREEK TOWNHOMES MONO FOUNDATION PLAN LOWER LEVEL FRAMING PLAN LOWER LEVEL BRACED WALL PLAN UPPER LEVEL FRAMING PLAN UPPER LEVEL BRACED WALL PLAN LOWER LEVEL FLOOR PLAN

10 M e

17.5 ALL ABOUT U

2649 Brekonridge Centre D.
Suite 104

Monroe, N.C. 28110

704-271-1191

59-65

COUNTY HARNETT

PREPARED BY:

Michael 12.14.23 SCALE:

AS SHOWN REVIEWED BY: Chuck

INTERIOR PASS THRU SCHEDULE

THING GOTTLEBOLL			
FRA	ENSIONS		
WALL HEIGHT	R.O. WIDTH	R.O. HEIGHT	
8'-1 1/8'	PLAN I.D. +2"	82-1/2"	
9'-1 1/8'	PLAN I.D. +2"	94-1/2"	
10'-1 1/8	PLAN I.D. +2"	98-1/2"	

ROUGH OPENING HEIGHTS ARE FOR DO, CO, \$ AO OPENINGS. SHIM HEIGHTS AS NEEDED T MATCH INTERIOR HINGED DOOR CASING

INTERIOR DOORWAY OPENINGS:

- DO = DRYWALL OPENING CO = CASED OPENING
- AO = ARCHED OPENING

DESIGN CRITERIA

- DESIGN LOADS ARE ALL DEAD LOADS PLUS: SLEEPING ROOMS......30 PSF ALL OTHER FLOORS......40 PSF BALCONIES......40 PSF ATTIC FLOOR LIVE LOADING WITH THE FOLLOWING: AREA ACCESSIBLE BY
- STAIRS......40 PSF ROOF SLOPES >3:12......20 PSF
- ROOF SLOPES <3:12.....10 PSF ROOF LIVE LOAD......20 PSF WIND LOAD...... I 20 MPH
- SNOW LOAD......20 PSF SEISMIC ZONE.....B DESIGN IS COMPLIANT WITH 2018 NCRC ENERGY CODE N I 102.2 PRESCRIPTIVE FOR

CLIMATE ZONE 4A

REVISION LOG

. DATE: DRAWN BY: RESIDENTIAL STRUCTURES PC 2. DATE: DRAWN BY 3410 N. Davidson St. Charlotte, N.C. 28205 Seal For Structural Only

3. DATE: DRAWN BY

4 DATE: DRAWN BY:

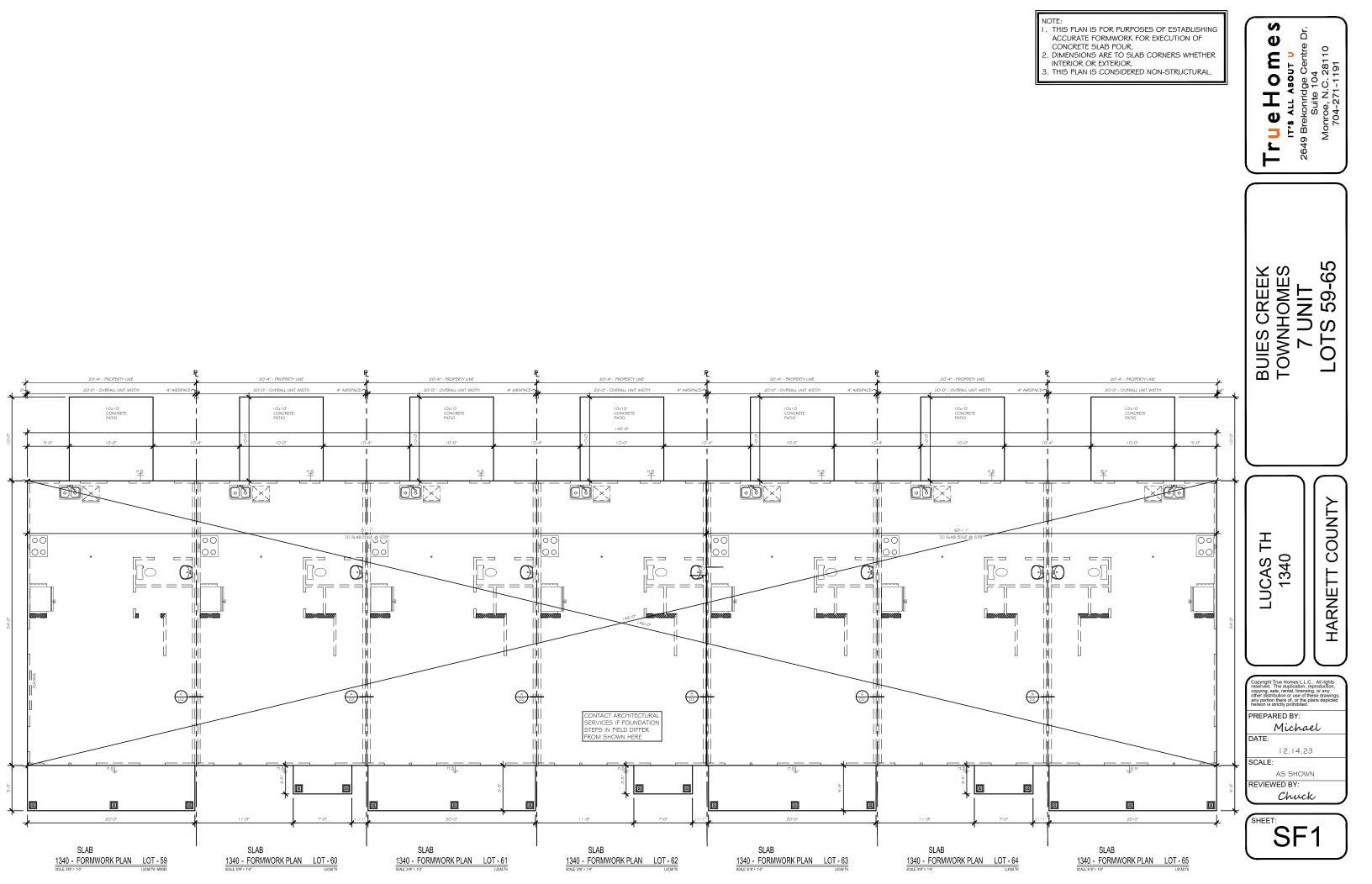
RESIDENTIAL

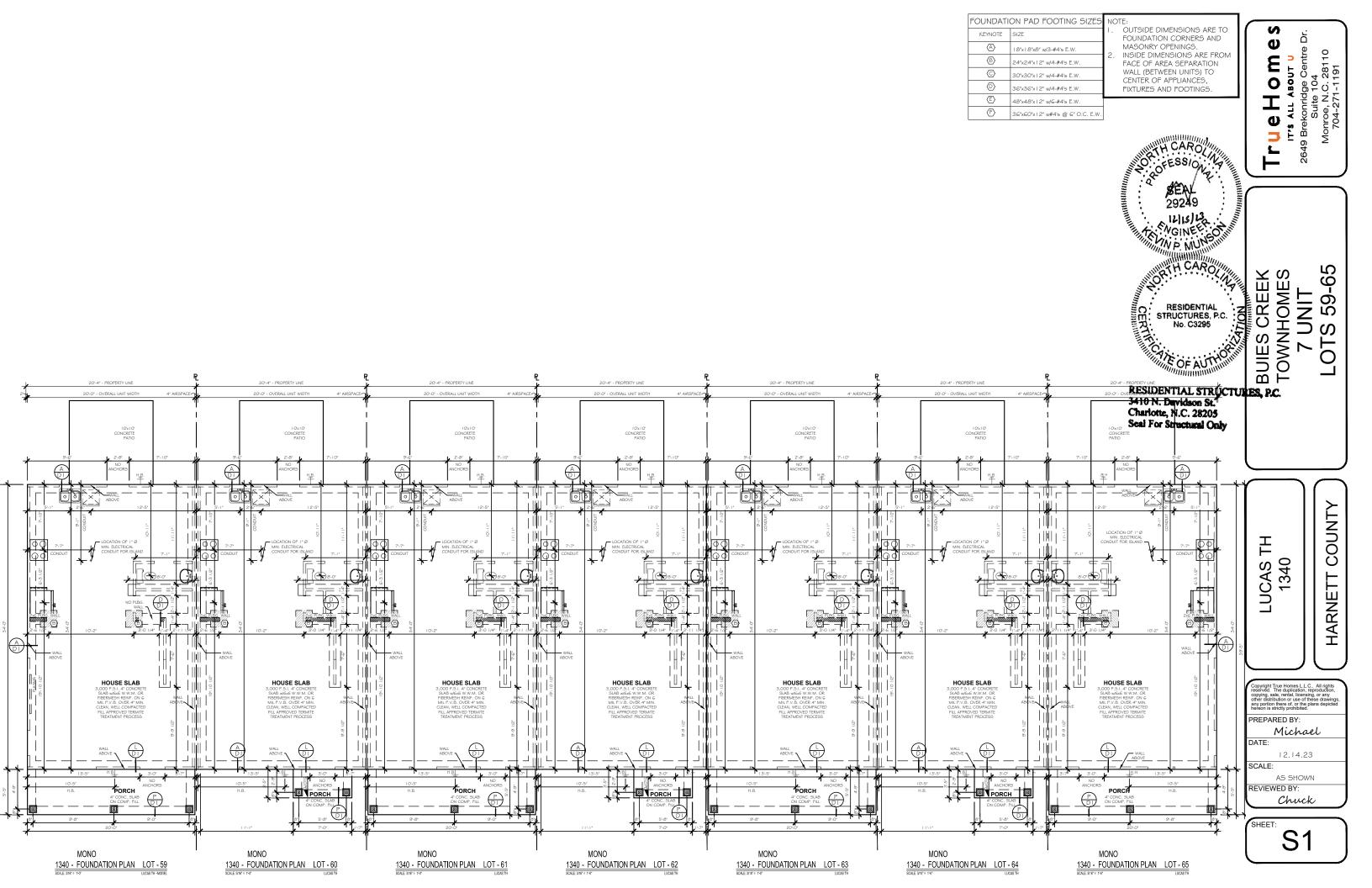
LOWER LEVEL UPPER LEVEL TOTAL LIVABLE

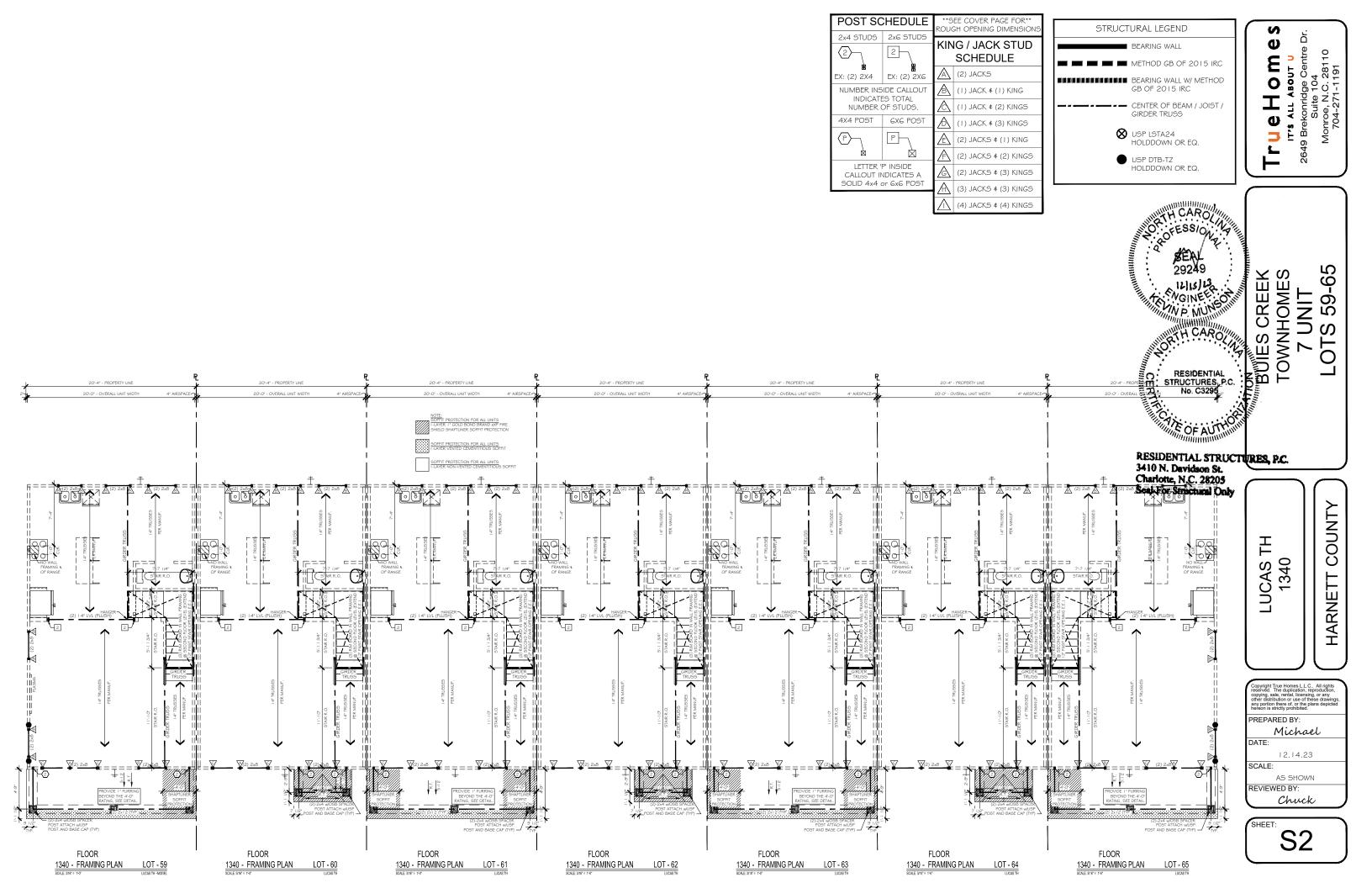
680 SQ FT 1338 SQ.FT FRONT PORCH (FULL) 108 SQ.FT FRONT PORCH (PARTIAL) 24 SQ FT REAR PATIO 100 SQ.FT

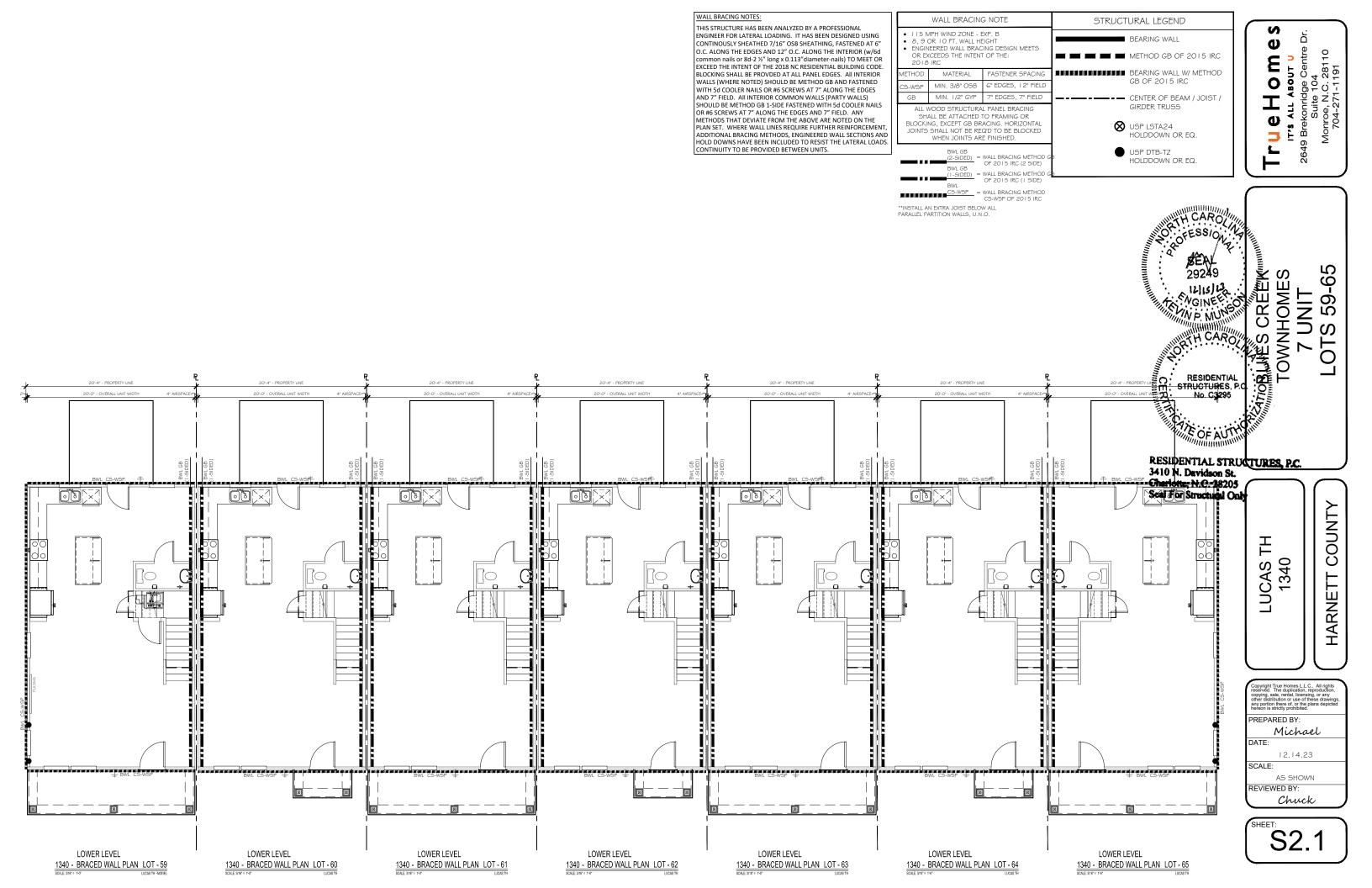
SQ. FOOTAGE

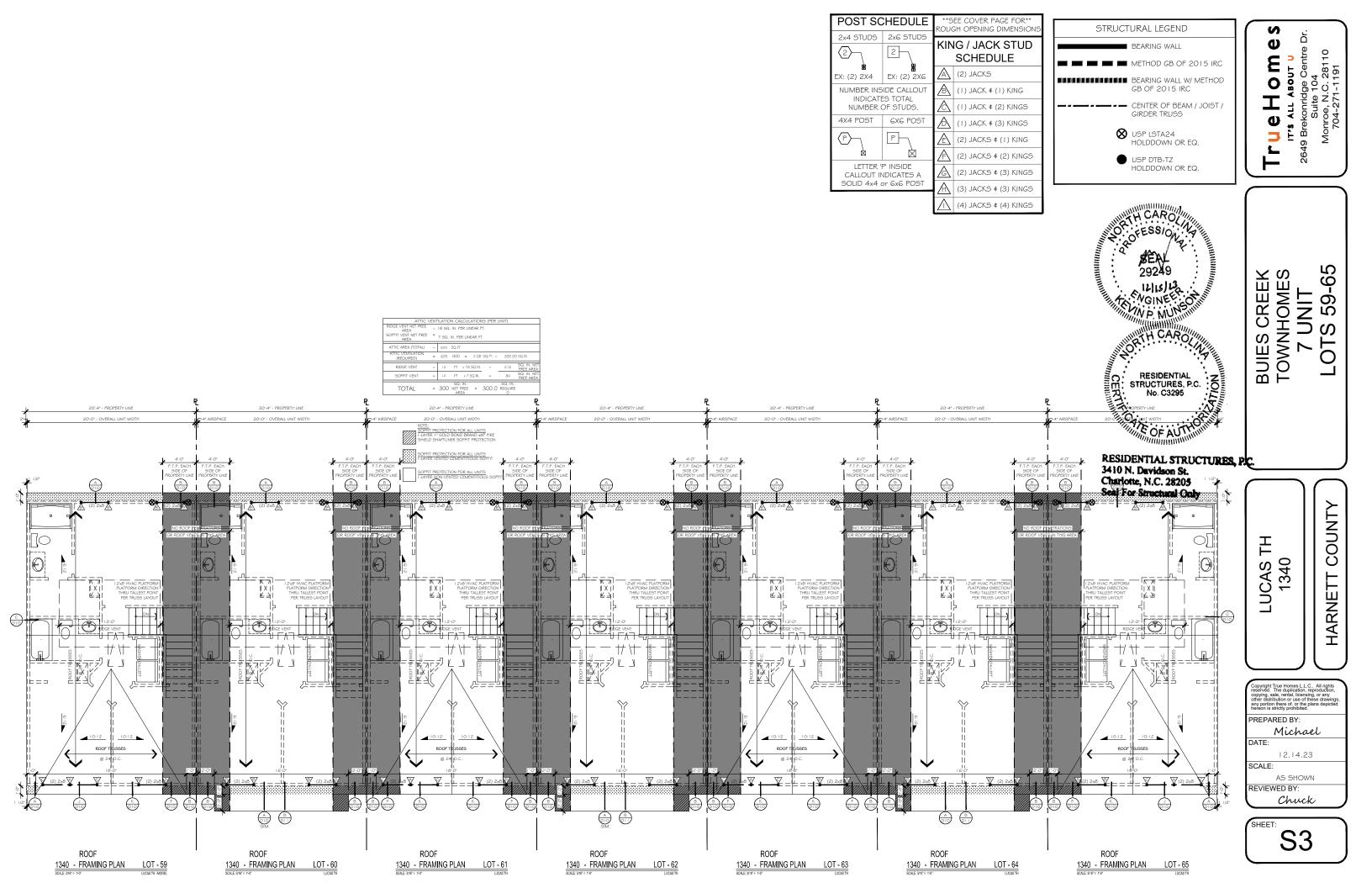
FLASHING DETAILS STAIR DETAILS STAIR DETAILS STAIR DETAILS FRAMING DETAILS

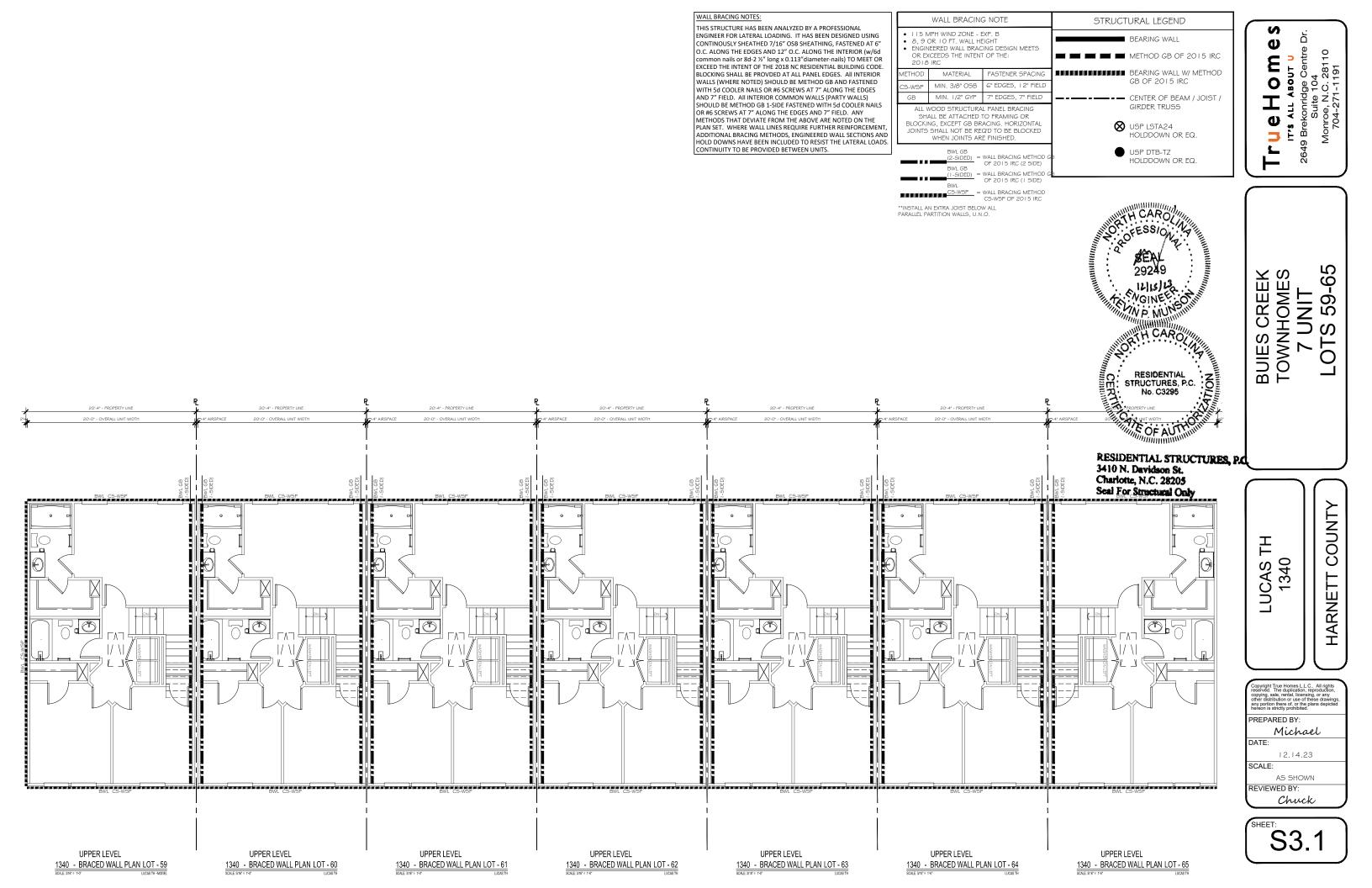


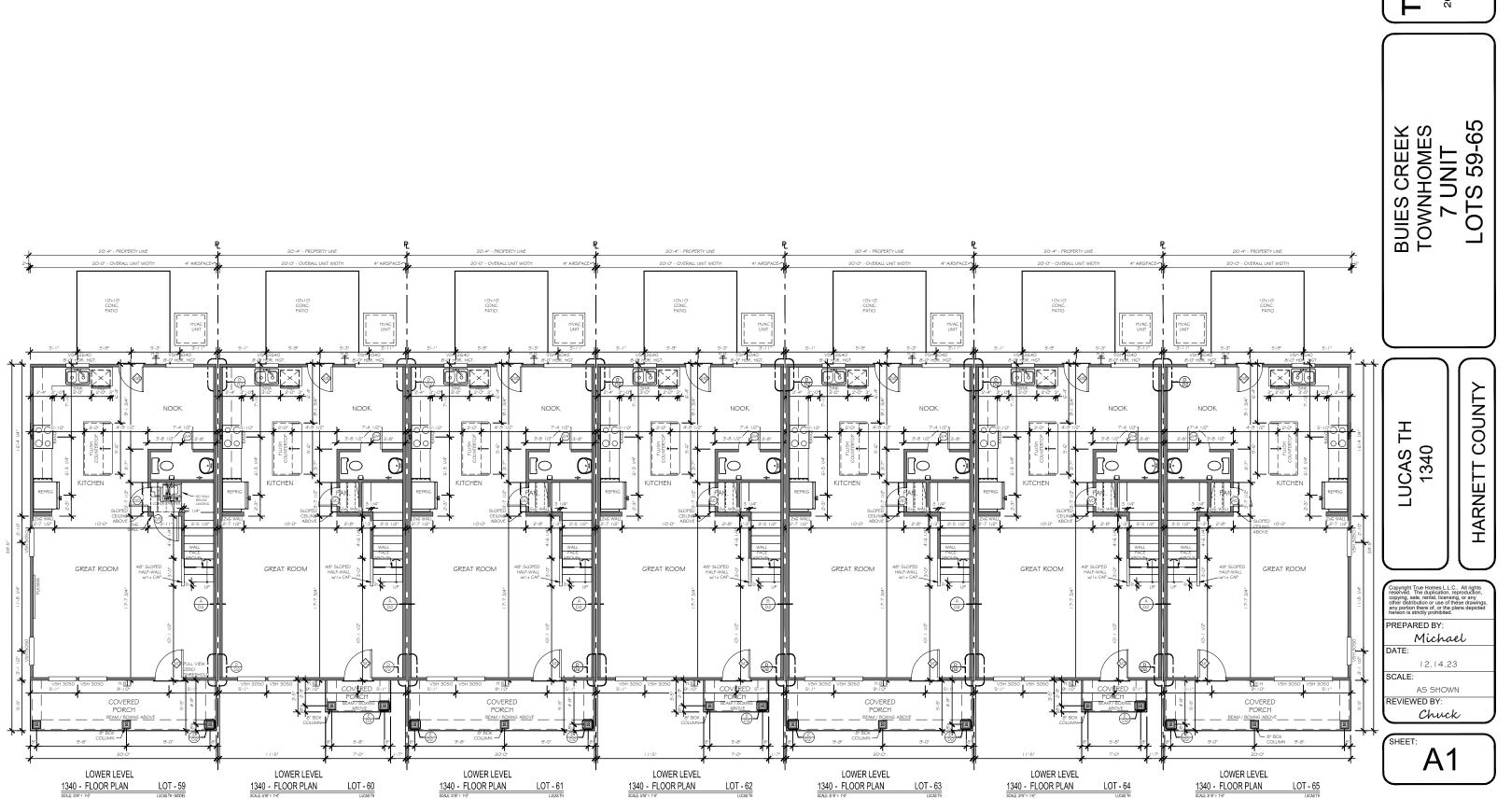








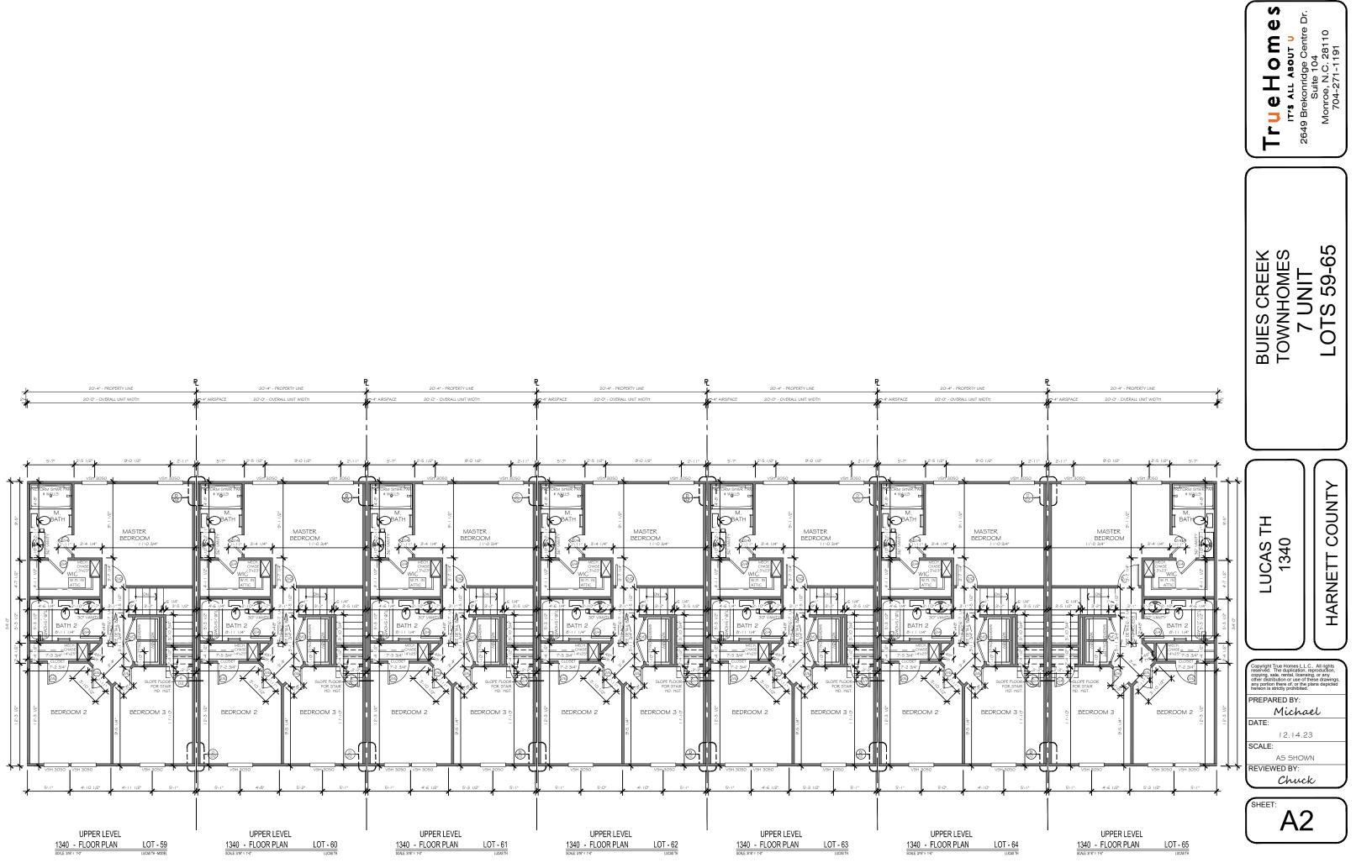


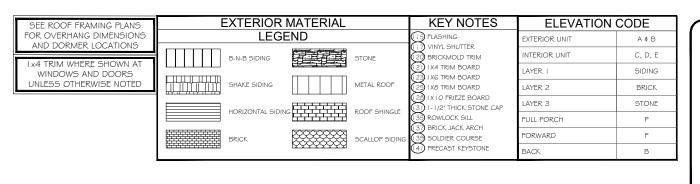


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W





CONT. RIDGE VENT

12" TRUSS HEEL

FRONT ELEVATION - A1

LOT - 64

FRONT ELEVATION - B1 LOT - 65



BUIES CREEK TOWNHOMES 7 UNIT

LOTS 59-65

LUCAS TH 1340

HARNETT COUNTY

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PREPARED BY: Michael

DATE:

2 HEEL

TOP OF WALL

SCALE:

AS SHOWN REVIEWED BY: Chuck

A4.1



(23)

COLUMNS ARE NON-RATED (UNLESS OTHERWISE NOTED)

FRONT ELEVATION - A1 LOT - 62

12" TRUSS HEEL

FRONT ELEVATION - A1 LOT - 60

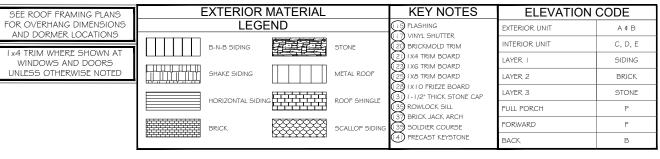
FRONT ELEVATION - B1

FRONT ELEVATION - B1 LOT - 59
SCALE: 3/16" = 1'-0" LUCAS TH - MODEL

CONT. RIDGE VENT

FRONT ELEVATION - B1

LOT - 63



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BUIES CREEK TOWNHOMES 7 UNIT LOTS 59-65

LUCAS TH 1340

134 HARNETT

COUNTY

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PREPARED BY:

Michael

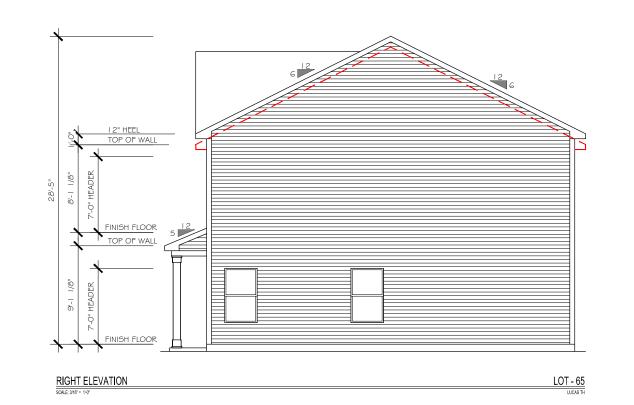
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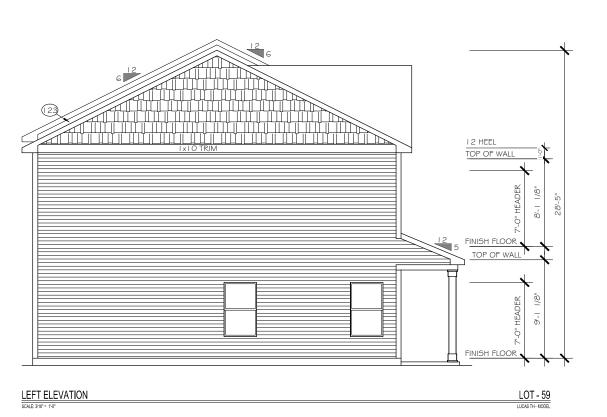
| 12.14.23 | SCALE:

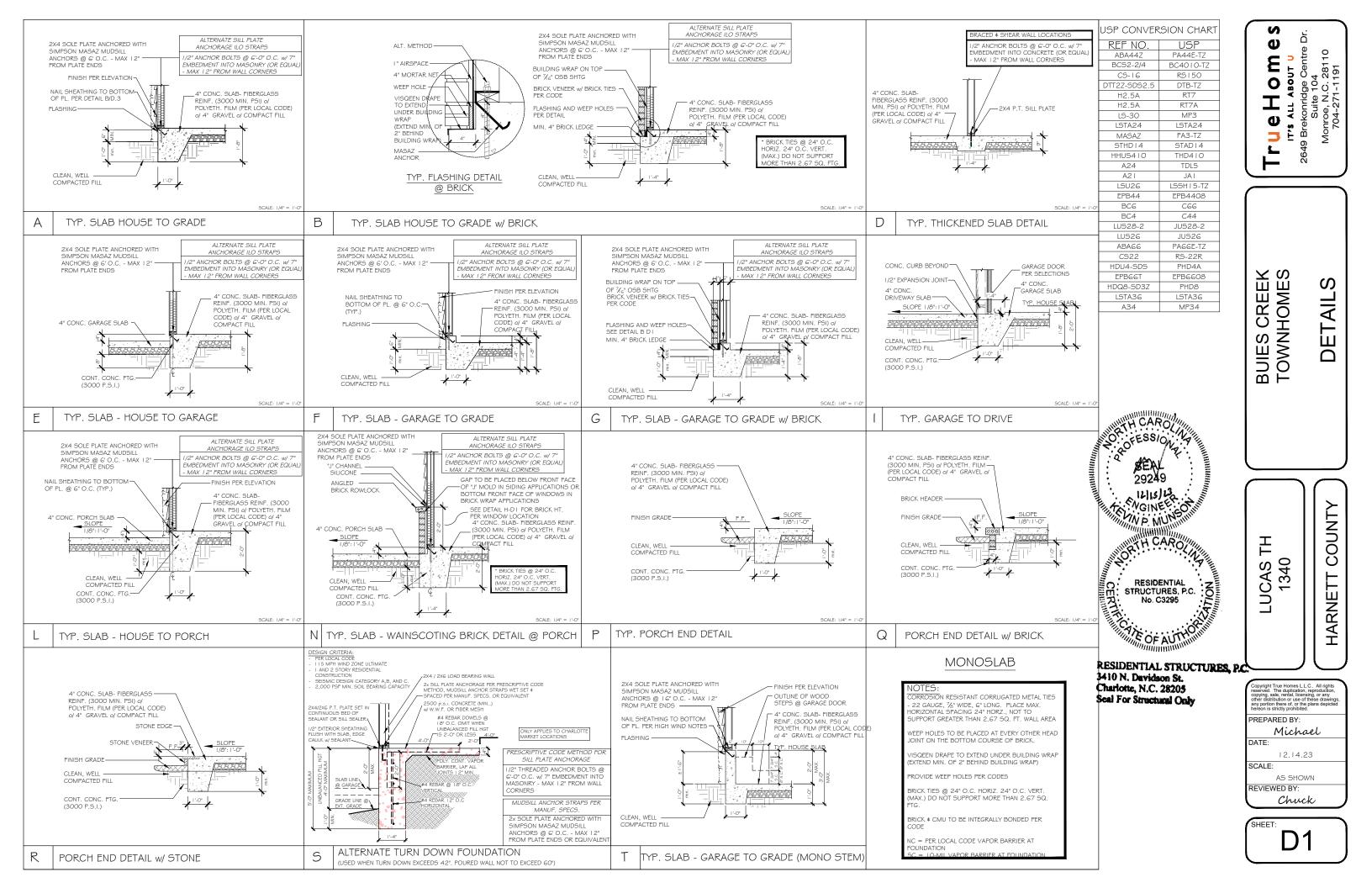
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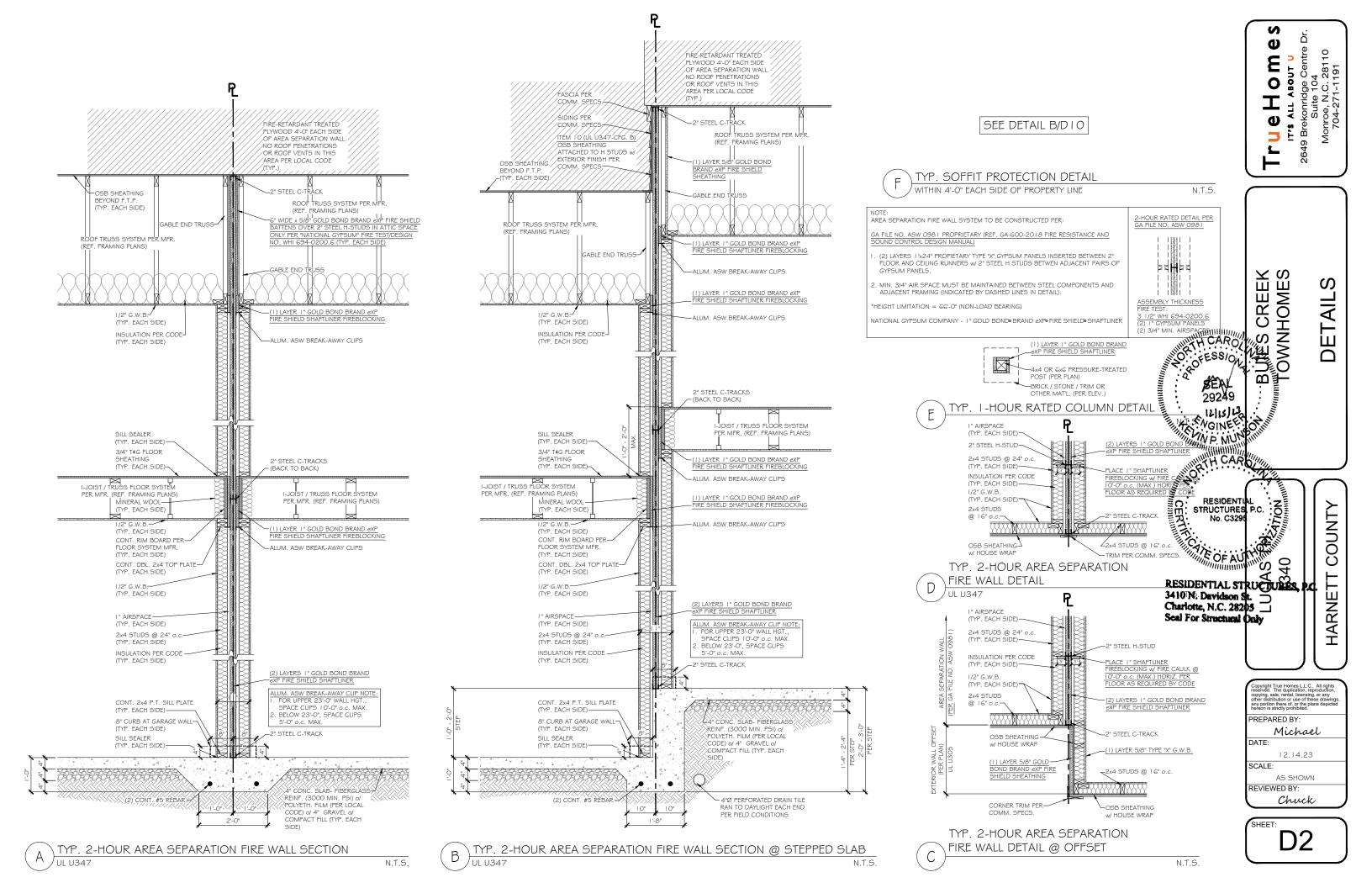
EWED BY: Chuck

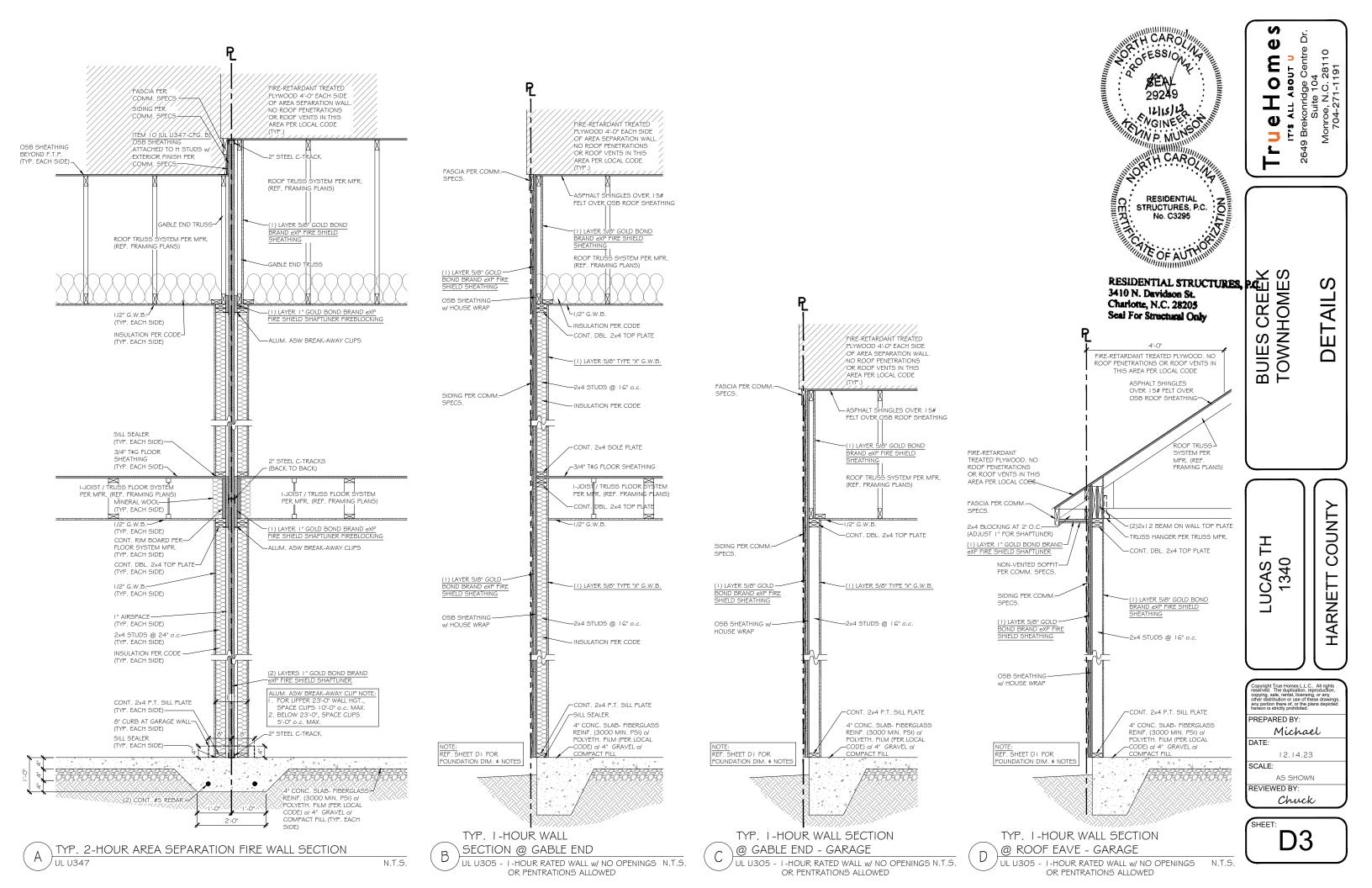
A4.2

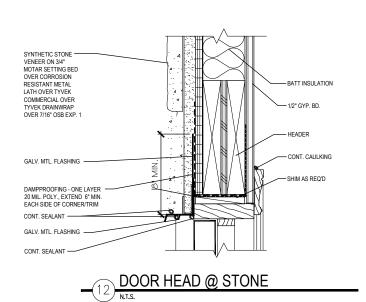




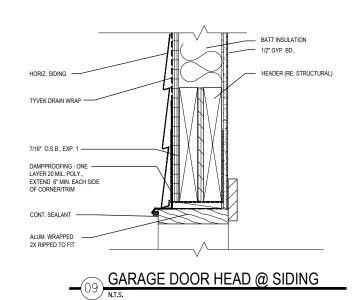


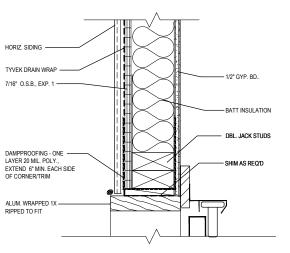


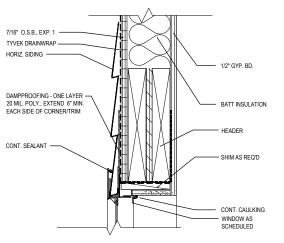




DAMPPROOFING - ONE LAYER 20 MIL. POLY. EXTEND 6" MIN. EACH SIDE OF CORNER/TRIM

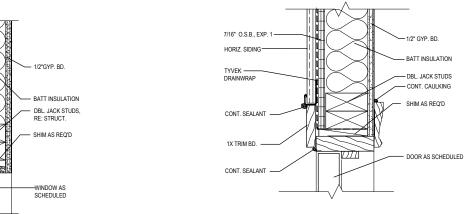


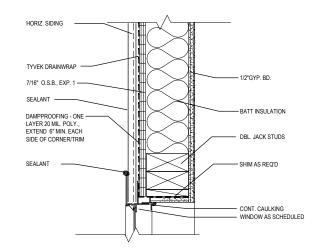


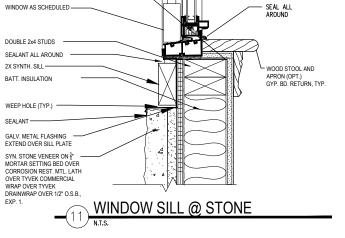


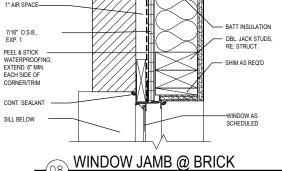


WINDOW HEAD @ SIDING





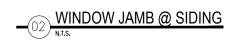


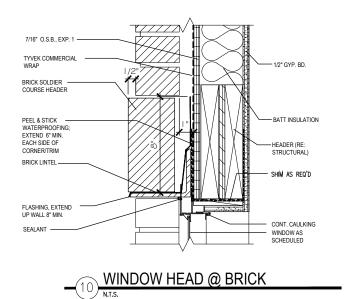


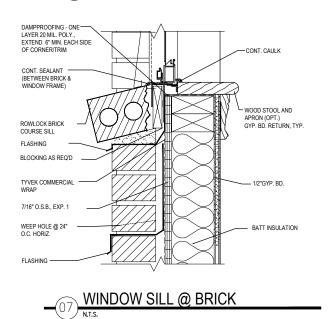
COMMERCIAL

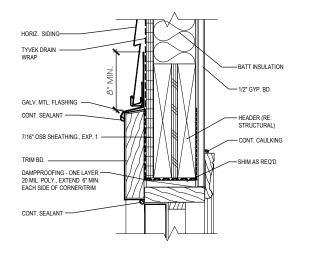
EXTERIOR DOOR JAM @ SIDING

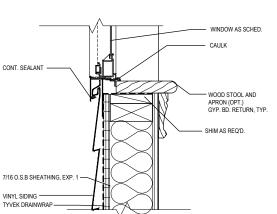
BATT INSULATION











EXT. DOOR HEAD @ SIDING

WINDOW SILL @ SIDING

SHEET

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BUIES CREEK TOWNHOMES

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DETAILS

COUNTY

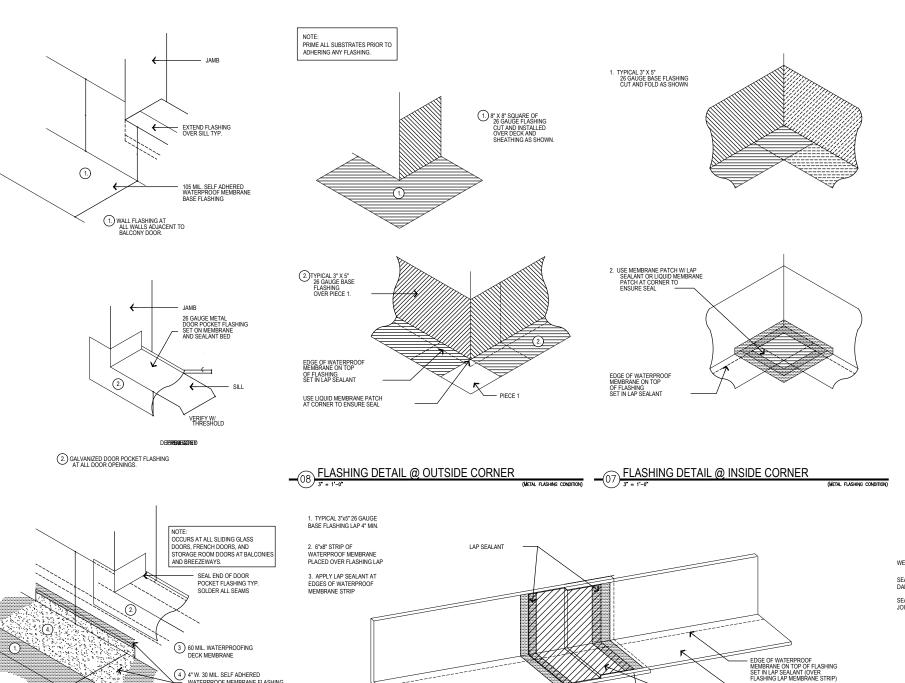
HARNETT

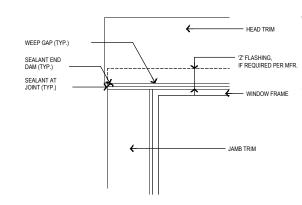
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Michael DATE: 12.14.23

SCALE: AS SHOWN REVIEWED BY:

Chuck





TYP. WINDOW ELEVATION DETAIL

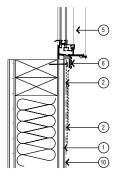
APPLY SHEATHING TO WALL FRAMING AS SHOWN ON STRUCTURAL DRAWINGS.

2. ATTACH 9" WIDE SILL SELF-ADHERING RUBBERIZED FLASHING WITH THE TOP EDGE EVEN WITH THE TOP EDGE OF THE SILL. FLASHING TO EXTEND 12" BEYOND EACH JAMB MINIMUM, ATTACH WITH GALVANIZED ROOFING NAILS TO THE TOP EDGE ONLY, LEAVING BOTTOM LOOSE. DO NOT REMOVE BACKING.

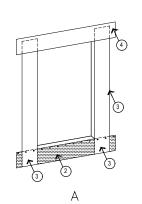
FLASHING @ DOOR OPENING

3. APPLY 9" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE TO EACH JAMB. START AT THE BOTTOM OF THE SILL FLASHING AND EXTEND 6" ABOVE WINDOW HEAD.

APPLY 9" SELF-ADHERING RUBBERIZED
 ASPHALT FLASHING TAPE OVER FLANGE AT
 HEAD. EXTEND 12" BEYOND EACH JAMB.



4° W. 30 MIL SELF ADHERED WATERPROOF MEMBRANE FLASHING TAPE TO COVER JOINT CONTINUOUS. SEAL TOP OF TAPE WITH RUBBERIZED ASPHALT BASED MASTIC.

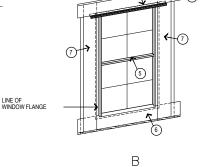


5. SET THE WINDOW AS PER THE WINDOW MANUFACTURER'S RECOMMENDATIONS. 6. APPLY 6" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE OVER FLANGE AT SILL. EXTEND TO END OF SILL FLASHING.

FLASHING LAP

7. APPLY 6" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE OVER FLANGE AT JAMBS. START 6" BELOW SILL AND EXTEND UP, TO 6" ABOVE WINDOW FLANGE AT HEAD.

8. IF REQUIRED BY THE MFR., INSTALL GALVANIZED 'Z' FLASHING AT WINDOW HEAD AND EXTEND TO BE THE LENGTH OF THE HEAD TRIM.



3"x5" BASE FLASHING

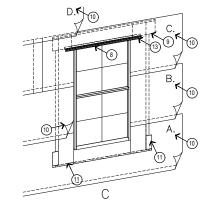
9. APPLY 6" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE OVER FLANGE AT HEAD (AND OVER 'Z' FLASHING IF REQ'D BY MFR). EXTEND MIN. 12" BEYOND EACH JAMB. 10. INSTALL BUILDING PAPER STARTING FROM THE BASE OF THE BUILDING. INSTALL SHINGLE FASHION WITH MINIMUM 4" VERTICAL OVERLAPS AND 6" WITH MINIMOUNT 4 VERTICAL OVERLAPS AND 6
HORIZONTAL OVERLAPS. ATTACH BUILDING WRAP TO
WOOD FRAME WITH NAILS AND CONTRACTOR CAPS
PER MFR. RECOMMENDATIONS. INSTALL BUILDING PAPER UNDER SILL FLAP SHOWN IN STEP TWO BUILDING PAPER TO OVERLAP ALL WINDOW FLANGES AND GALVANIZED 'Z' FLASHING AT ALL WINDOWS.

11. SLIP BOTTOM OF JAMB AND SILL FLASHING OUT OVER THE BUILDING PAPER.

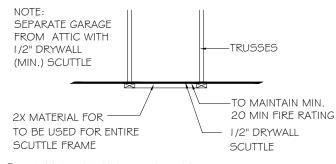
12. TAPE OVER ANY CUTS OR HOLES IN THE BUILDING PAPER.

13. IF 'Z' FLASHING IS REQUIRED PER MFR., PROVIDE SEALANT END DAMS AT THE ENDS OF THE 'Z' FLASHING TYPICAL. 'Z' FLASHING TO SLOPE AWAY FROM BUILDING.

**REFER ALSO TO DOOR AND WINDOW DETAILS.



MUST MEET ENERGY EFFICIENCY REQ PER SEC N I 102. PER N I 102.2.4 HORIZONTAL ACCESS DOORS FROM CONDITIONED SPACE TO UNCONDITIONED SPACES SHALL BE WEATHERSTRIPPED AND INSULATED TO AN R-10 MIN. VALUE, AND VERTICAL DOORS TO SUCH SPACES SHALL BE WEATHERSTRIPPED AND INSULATED TO R-5 MIN. VALUE



ATTIC ACCESS PANEL DETAIL SCALE: N.T.S.

<u>WALL/WINDOW/DOOR WATERPROOFING</u> <u>SPECIFICATIONS:</u>

OWNER SHALL RETAIN THE SERVICES OF A QUALITY ASSURANCE CONSULTING FIRM, SPECIALIZING IN THE AREA OF WATERPOORING FOR THE SOLE PURPOSE OF INSPECTING FLASHINGS BEFORE COVERED WITH FINISHED MATERIALS. DETERMINATION OF PROPER FLASHING TECHNIQUES CAN BE UTILIZED VIA: BLDG. MOCK UP PANGINGS: INDICATING EACH FLASHING AND EDGE DETAIL AND ATTACHMENT REQUIREMENTS.

JUSE STAINLESS STEEL FASTENERS WHEN FASTENING INTO TREFATED LUMPER.

TREFATED LUMPER.

TREATED LUMBER.

ALUMINUM 'Z' FLASHING & THRU WALL FLASHING SHALL BE:
.025" FOR CONCEALED AND .032" FOR EXPOSED

MINIMUM 40 MIL. POLYETHYLENE, BUTYL RUBBER "PEEL AND STICK WATERPROOFING" MIN. 240 DEGREE SOFTENING POINT

STICK WATERPROOFING MIN. 240 DEGREE SUFTENING POINT

6. 6" AND 9" SELF ADRENIG RUBBERGZED ASPHALT FLASHING

TAPE — (WINDOW WRAP) MIN. 20 MIL THICKNESS MEETING THE
FOLLOWING RECONTS: FEDERAL SPECIFICATION UU-B-7900

TYPE I, GRADE A, STYLE 4. TYVEK PRODUCTS OR EQUAL

7. SEALANT FOR DISSIMILAR MATERIAL JOINTS — SONNEBORN NPI

SEALANT FOR DISSIMILAR MATERIAL JOINTS — SONNEBORN NPI
POLYUSETHANE SEALANT OR EQUAL. (EXCEPT AT WODD.)
 SEALANT FOR WOOD TO WOOD JOINTS AND WOOD TO DISSIMILAR
MATERIAL JOINTS — SILICON AGRYLIC SEALANT.
 SEALANT UNDER DOOR THRESHOLDS — SONNEBORN NPI
POLYUSETHANE SEALANT OR FOUAL.
 ALL SEALANT BEADS AND FILLETS TO BE CONTINUOUS.
 ALL METAL FLASHINGS ARE TO HAVE ALL OVERLAPS SEALED
WITH NON-CURING BUTYL SEALANT OR POLYURETHANE
SFAI ANT.

SEALANI.

12. PAINT INTERIOR GYPSUM BOARD WINDOW JAMBS WITH ENAMEL PAINT.

PAINT.

13. SET NAILS AT ALL DOOR TRIM.

14. EXTERIOR WOOD TRIM IS TO BE PRE-PRIMED KDAT MATERIAL.

NOTE:
TYVEK COMMERCIAL BUILDING SPECIALISTS CAN BE CONTACTED FOR
FREE FIELD/INSTALLATION SERVICES @ TIME OF CONSTRUCTION.
CONTACT: ANDREW ANDRETTA, CSI 704.226.2864

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PREPARED BY:

Michael

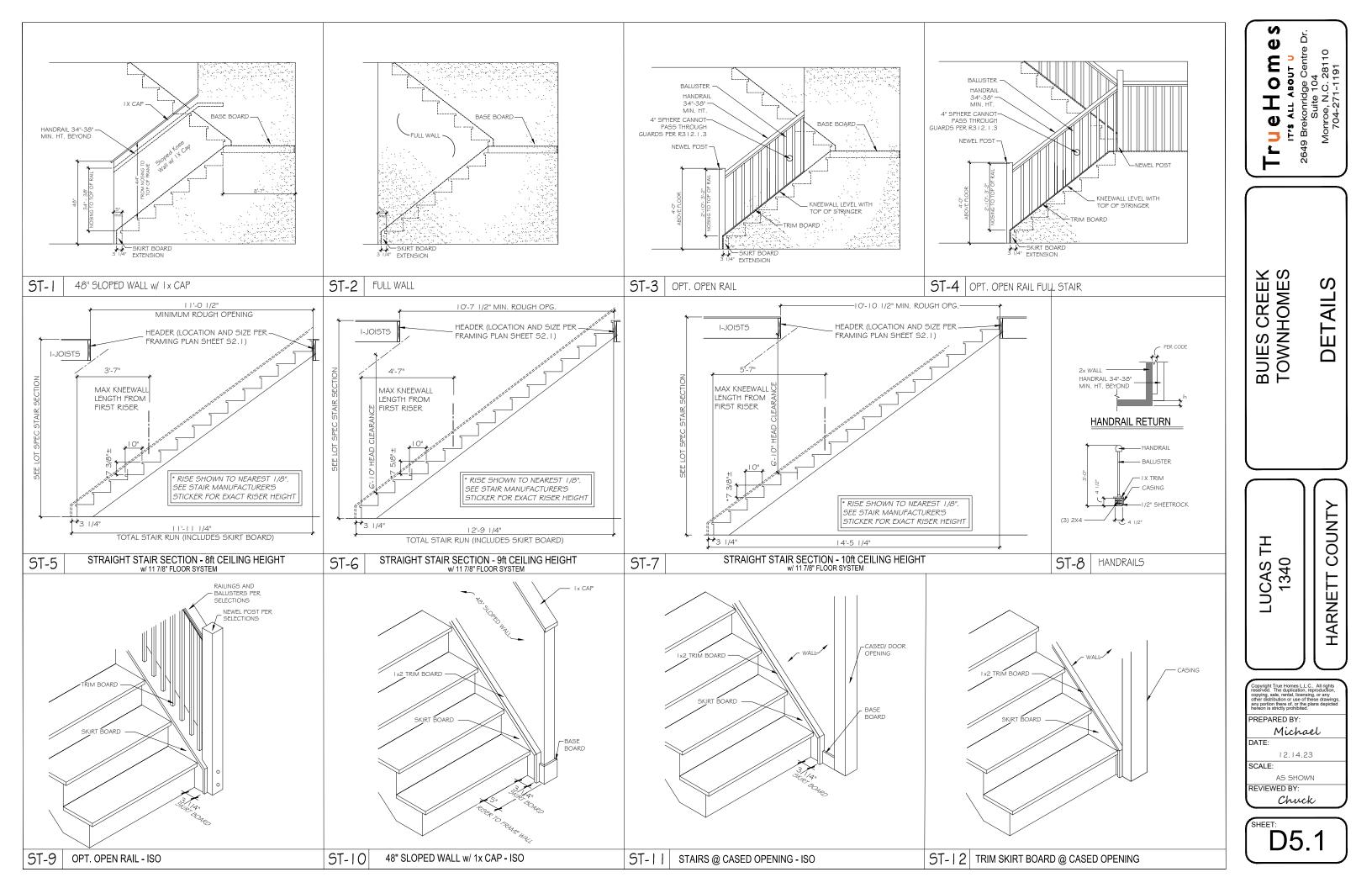
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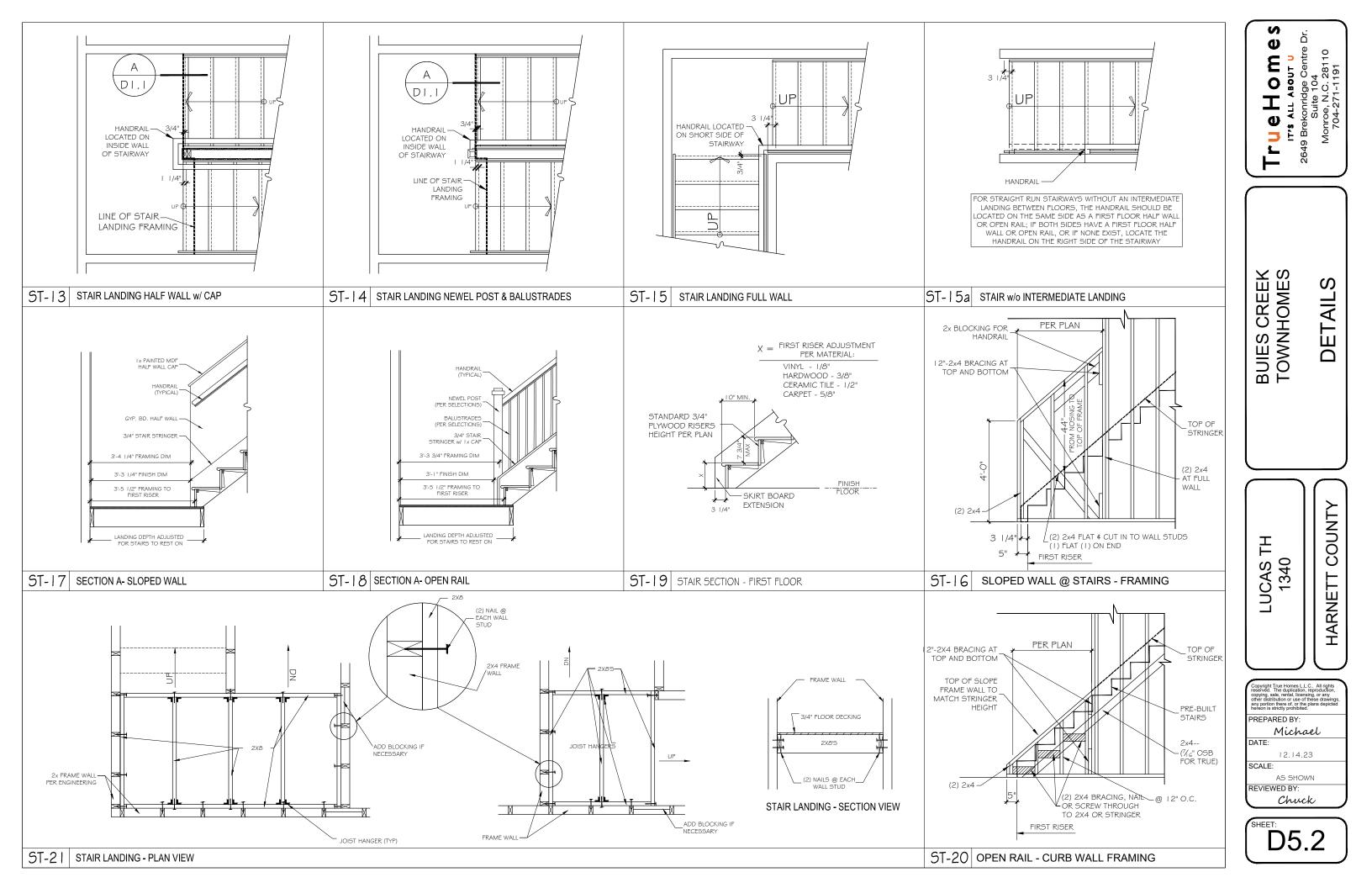
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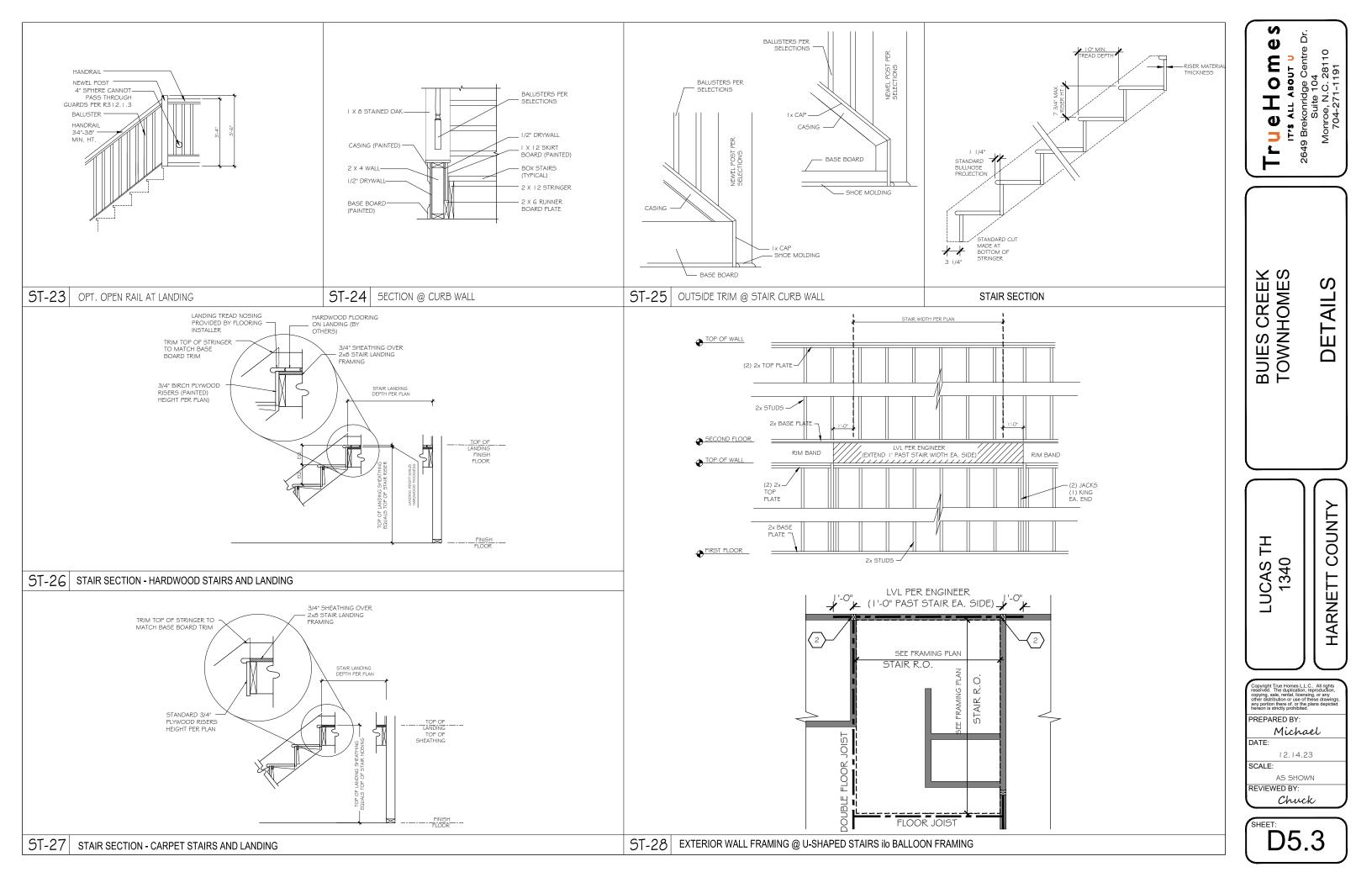
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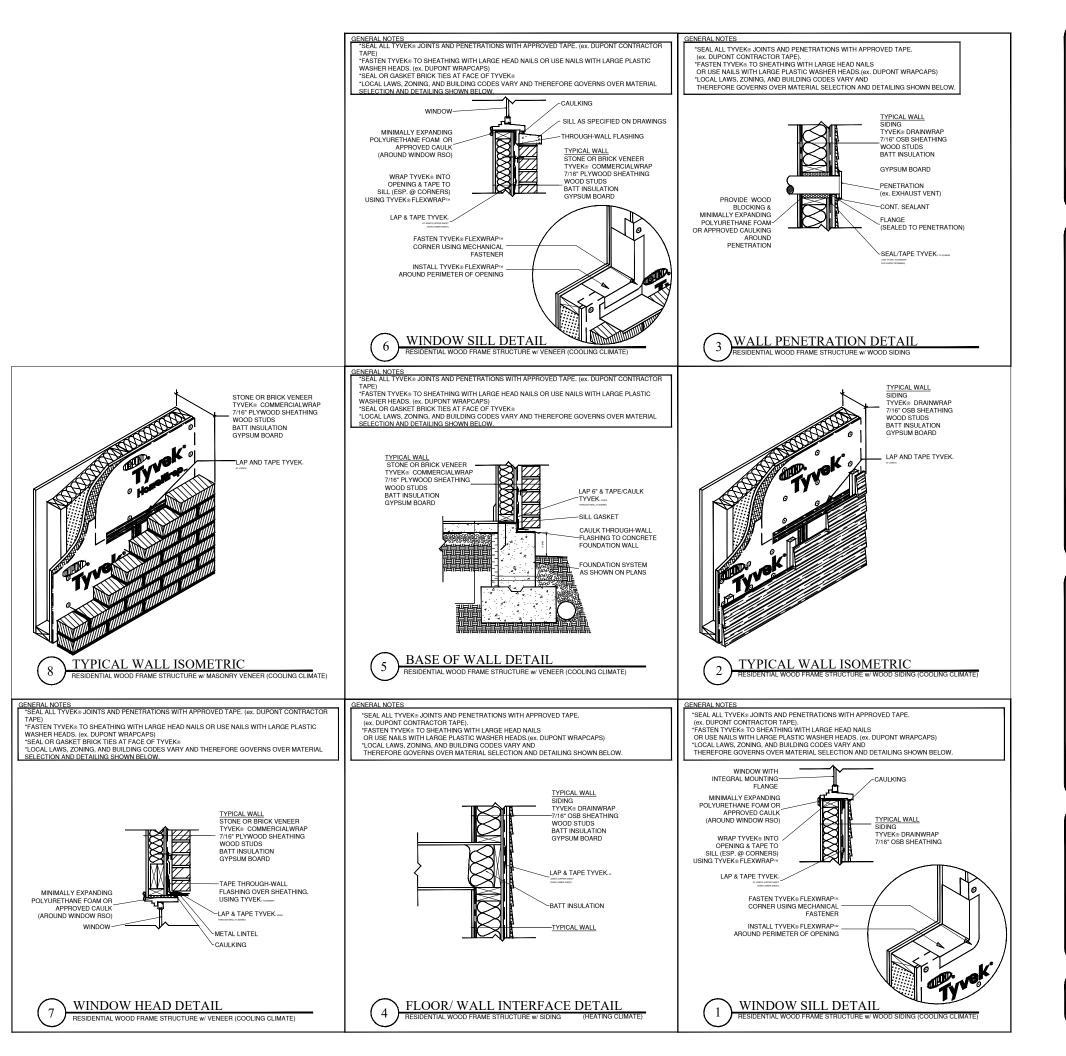
Chuck SHEET

(02) WINDOW FLASHING WITH BUILDING PAPER ON WALL









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BUIES CREEK TOWNHOMES

ETAIL

LUCAS TH 1340 HARNETT COUNTY

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PREPARED BY:

Michael

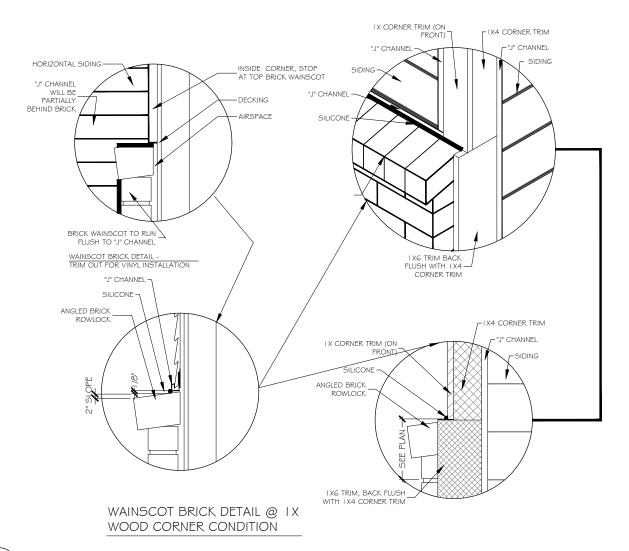
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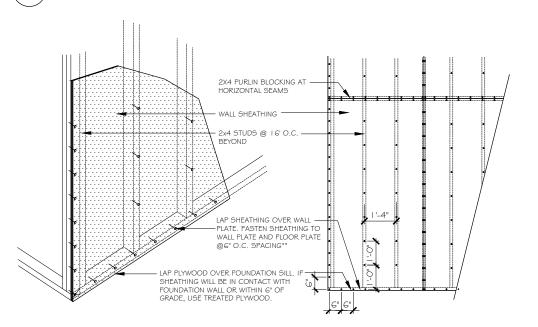
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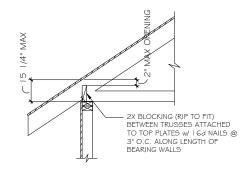
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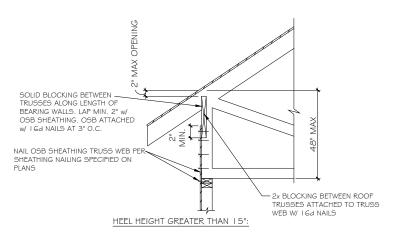
FLASHING @ WAINSCOTING BRICK DETAIL



2X6 GARAGE DOOR -BRACING J¢K STUDS (#) PER ENGINEERING 2X JAMB MATERIAL FOR GARAGE DOOR FRAMING MIN (2) 1/2" DIA. ANCHOR BOLT \$ WASHER 16'-3" OR 8'-3" M.O 16'-0" OR 8'-0" FINISHED NOTCH 2XG DOOR -BRACING EXTERIOR TRIM PER -ELEVATION - EXTERIOR SHEATHING, NAILING PER ENGINEERING 2X JAMB MATERIAL = FOR GARAGE DOOR - MIN (2) 1/2" DIA ANCHOR BOLT & FRAMING DEPRESSION TRIM BOARD 2XG GARAGE DOOR BRACING GARAGE LUG DETAIL - GREATER THAN 1'-6"

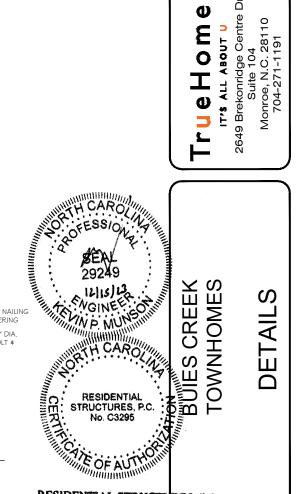


HEEL HEIGHT GREATER THAN 9 1/4" AND LESS THAN 15 1/4" :



LECTRICAL PANEL REQUIREMENTS TRUSS BLOCKING REQUIREMENTS

2XG GARAGE DOOR — BRACING J¢K STUDS (#) PER ENGINEERING 2X JAMB MATERIA FOR GARAGE DOOR FRAMING MIN (1) 1/2" DIA. ANCHOR BOLT \$ WASHER 16'-0" OR 8'-0" M.C 16'-0" OR 8'-0" FINISH 2X6 DOOR BRACING -FLUSH WITH CURB I'-O" MIN. EXTERIOR TRIM PER -ELEVATION EXTERIOR
SHEATHING, NAILING
PER ENGINEERING 2X JAMB MATERIAL FOR GARAGE DOOR FRAMING – MIN (I) I/2" DIA. ANCHOR BOLT \$ WASHER DEPRESSION TRIM BOARD 2XG GARAGE DOOR BRACING GARAGE LUG DETAIL - LESS THAN 1'-6"



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RESIDENTIAL STRUCTURES, P.C. 3410 N. Davidson St. Charlotte, N.C. 28205 Seal For Structural Only PANEL PER PLAN GARAGE CURB PER PLAN DATE: FURR OUT AS REQUIRED TO FLUSH PANEL FACE WITH CURB BELOW

COUNTY LUCAS 7 HARNETT

PREPARED BY:

Michael 12.14.23

SCALE: AS SHOWN REVIEWED BY:

Chuck



- COMPACTED FILL REGARDLESS OF COMPACTION
- L INTERIOR PIERS ARE 8" X 16" CMU UP TO A MAXIMUM HEIGHT OF 32". ALL PIERS OVER 32" HIGH MUST BE FILLED WITH TYPE S 2) ALL INTERO RIES ARE 8 X 16 GMU UT 10 A MAXIMUM FILED IT 32. ALL FILES OVER 32 INTER MUST BE FILLED WITH THE 5 MORTAR. MAXIMUM HEIGHT FOR 8"X I 6" FILLED WITH THE 5 FIRES LARGER THAN 8"X I 16" ARE NOTED ON PLANS AND MUST BE FILLE WITH TYPE 5 MORTAR. FOR ONE-STORY STRUCTURES, PIER CAPS ARE TO BE 4" SOLID MASONRY. FOR TWO-STORY STRUCTURES, PIER CAPS ARE TO BE 4" SOLID MASONRY. FOR TWO-STORY STRUCTURES, PIER CAPS ARE TO BE 4" OF SOLID MASONRY.

 3) FOOTINGS FOR 8" X 16" PIERS ARE 24" X 36" X 10" UNLESS NOTED OTHERWISE. REINFORCING IS TO BE AS NOTED ON PLANS.
- 4) INTERIOR THICKENED SLAB FOOTINGS WHICH OCCUR IN BASEMENTS AND "SLAB ON GRADE" FLOORS ARE 10" DEEP BY 16" WIDE WITH 2.#4
 REINFORCING BARS RUNNING CONTINUOUSLY UNLESS NOTED OTHERWISE. THICKENED FOOTINGS ARE REQUIRED UNDER ALL BEARING WALLS. 5) ALL REBAR SPLICES SHALL BE A MINIMUM OF 2'-0" UNLESS OTHERWISE NOTED
- ALL REDAK SPIGLES SPIALL BY MINIMIMIM OF 2-U DIRLOSS OF THE WISE NOTED.

 SHALLOW FOUNDATIONS ARE DESIGNED FOR AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFING THE ENGINEER OF RECORD IF ANY SOILS ARE FOUND TO BE UNSUITABLE FOR THIS BEARING CAPACITY. THEE CONTRACTOR IS RESPONSIBLE FOR OBTAINING SOIL TESTING TO ENSURE THAT THE BEARING CAPACITY OF THE SOIL MEETS OR EXCEEDS THIS VALUE. ALL FILL IS TO BE COMPACTED TO 95% DENSITY AS MEASURED BY THE STANDARD PROCTOR TEST (ASTM D-638).
- 7) ALL SOILS AND FILL UNDER FLOORS AND/OR WITHIN OR UNDER BUILDINGS SHALL HAVE PRECONSTRUCTION SOIL TREATMENT FOR PROTECTION AGAINST TERMITES. CERTIFICATION OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST
- CONTROL COMPANY.

 8) ALL FOOTING EXCAVATIONS SHALL BE NEAT, STRAIGHT, AND LEVEL IN THE PROPER ELEVATIONS TO RECEIVE THE CONCRETE. EXCESSIVE VARIATIONS IN THE DIMENSIONS OF FOOTINGS OR SLABS WILL NOT BE PERMITTED. REINFORCING STEEL AND MESH SHALL BE ACCURATEL PLACED AND SUPPORTED TO MAINTAIN THEIR POSITION DURING THE CONCRETE POURING. EDGE FORMS SHALL BE USED FOR CONCRETE THAT WILL BE EXPOSED.
- I HALL WILL DE LAPUSEU.

 JUIN ALL SLAB PENETRATIONS ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR. PENETRATIONS INTERFERING WITH REINFORGING SHALL BE.
- ALL SLAD FENEL FAILUNDS ARE 10 BE LIFE REPONSIBILITY OF THE CONTRACTOR. FENEL PARTIONS INTERFERING WITH REINFORCING SHALL BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO THE PLACEMENT OF CONCRETE. S)ELEVATIONS DIFFERENCES BETWEEN THE BOTTOM OF ADJACENT FOOTINGS SHALL BE LESS THAN THEIR HORIZONTAL DISTANCE LESS ONE FOOT. DIFFERENTIAL HEIGHTS BETWEEN FOOTINGS CAN BECOME EXCESSIVE USUALLY WHERE A PIER FOOTING IN A CRAWLSPACE OR GARAGE FOOTING IS NEXT TO A BASEMENT WALL FOOTING.

- SPECIAL FOUNDATION CONSIDERATIONS:
 1) CAISSON FOUNDATIONS SHALL BE A MINIMUM OF 12* DIAMETER DRILLED UNREINFORCED CONCRETE CAISSONS. CAISSONS SHALL EXTEND TO A MINIMUM DEPTH PROVIDING 2' PENETRATIONS INTO GOOD ORIGINAL GROUND. DEPTH OF DRILLING IS LIMITED TO 15'. THEREFORE, NO POOR MATERIAL MORE THAN 1.3' DEEP IS SUITABLE FOR A CAISSON FOUNDATION. A CAISSON CANNOT BE USED IF WATER RISES
- INMEDIATELY INTO A DRILLED HOLE. PILES WILL HAVE TO BE USED IN SUCH CASES.

 IMMEDIATELY INTO A DRILLED HOLE. PILES WILL HAVE TO BE USED IN SUCH CASES.

 2) TREATED WOOD PILES WITH A MINIMUM DIAMETER OR REVAND A MINIMUM DESIGN ARE USED FOR ALL FOUNDATIONS WITH UNSUITABLE SOIL DEEPER THAN I 3' OR WITH WATER IN DRILLED CAISSON HOLES. DRIVE PER NORTH CAROLINA OR SOUTH CAROLINA.
- 3) SIZES AND REINFORCING FOR FOOTING CAPS OVER CAISSONS OR PILES SHALL BE AS SHOWN ON PLANS.

- 3) SIZES AND REINFORCING FOR FOOTING CAP'S OVER CAISSONS OR PILES SHALL BE AS SHOWN ON PLANS.
 4) CHIMNEY FOOTINGS ARE TO BE I 2" LARGER THAN THE CHIMNEY FOOTFRINT BY I 2"THICK.
 5) FOUNDATION WALLS BACKFILLED WITH DIRT WHICH SUPPORT STRUCTURAL FRAMING SHALL BE CONSTRUCTED AS FOLLOWS:
 6) FOUNDATION WALLS BACKFILLED WITH DIRT WHICH SUPPORT STRUCTURAL FRAMING SHALL BE CONSTRUCTED AS FOLLOWS:
 6) FOR FOOTINGS ARE TO BE 8"X I 6" OR 8"X 24" AS NOTED ON THE PLAN.
 6) FOR PARTH FILL 4"TO A MAXIMUM HEIGHT OF 9". USE 8"X X 24" FOOTING WITH #4 AT 1 6" DOWELS HOOKED IN FOOTING AND PROJECTING
 18" ABOVE FOOTINGS. USE I 2" CMU WALLS WITH #4 AT 1 6" VERTICAL BARS LOCATED 4" FROM NON-DIRT FILL FACE, LAP ALL SPLICES 12"

 AND LISE DURD ON MAY MORPOUT BEHEADORY PERSY 8" NO CAN LONGED IN SENSITION AND REAL SPLICES 12"
- 18' ABOVE FOUNDINGS. USE 12' CMU WALLS WITH #4 AT 16' VERTICAL BARS LOCATED #3' FROM NON-DIR! FILL FACE, LAP ALL SPLICES 12'
 AND USE DUR-O-WALL HORIZONTAL REINFORCING EVERY 8' IN CAMU JOINTS. INSTALL 1-#3' LABAR WITH 24' LEGS IN EVERY OTHER JOINT
 HORIZONTALLY AT ALL CORNERS; I.E., #3 CORNER BARS AT 16" O.C. VERTICALLY. FILL ALL OPEN CELLS OF CMU WITH EITHER TYPE 5 OR M
 MORTAR OR FILL WITH 2,500 F51 CONCRETE. INSTALL WATERPROP BITUTHENE MEMBRANE OR EQUAL.
 JOIN LIEU OF THE PRECEDING DESIGN, BASEMENT WALLS MAY BE CONSTRUCTED IN ACCORDANCE WITH R404.1 OF THE CODE. HOWEVER, 24"
 X 24", #3 CORNER BARS SHALL BE INSTALLED AT 16" O/C VERTICALLY REGARDLESS OF THE WALL HEIGHT. ERECT ALL FRAMING BEFORE
- 7) FOR RETAINING WALLS WITHOUT FRAMING SEE SPECIAL DESIGNS ON DRAWINGS.

- MING CONSTRUCTION OTHER THAN ROOF:

 SEE TABLE RG02.3(1) OF THE CODE FOR A FASTENER SCHEDULE FOR STRUCTURAL MEMBERS.

 WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE

 ALLOWABLE LOAD CAPACITY OF THE HANGER SHALL BE EQUAL TO OR GREATER THAN THE LOAD SPECIFIED ON THE PLAN. WHERE NO LOAD IS SPECIFIED. THE "LIGHTEST" AVAILABLE HANGER FOR THE APPLICATION IS ACCEPTABLE.
- 3) CRAW GIRDERS AND BAND WITH 4" CURTAIN WALL AND PIER CONSTRUCTION SHALL BE 2-2 X LO SOUTHERN YELLOW PINE #2 LINLESS
- NOTED OTHERWISE. MAXIMUM CLEAR SPANS ARE TO BE 4'-8" (G-0" O/C SPACING OF PIERS). TO AVOID OBJECTIONABLE CRACKING IN FINISHED HARDWOOD FLOORS OVER ANY GIRDERS, USE THE FOLLOWING PROCEDURE:
- A) NAILING

 1) ALL FLOOR JOISTS MUST BE TOENAILED TO THEIR SUPPORT GIRDERS WITH A MINIMUM OF 3-8D NAILS AT EACH END. LARGER NAILS WILL SPLIT AND RENDER THE TOENAL INEFFECTIVE. NO END NAILING THROUGH THE GIRDER OR BAND IS PERMITTED.

 II) IF DROPPED GIRDERS ARE USED, END LAP ALL JOISTS AND SIDE NAIL EACH WITH A MINIMUM OF 3-1 GD NAILS AT EACH END OF
- EACH JOIST. LEDGER STRIPS SHOULD BE SPACED 3" APART AND NAILED WITH 3-1 GD NAILS AT EACH JOIST END.
- IN LE GIRDER.

 IV) THIS NAILING PATTERN WILL ENSURE A TIGHT FLOOR FROM THE OUTSIDE OF THE HOUSE TO THE OUTSIDE SO THAT WHEN THE FRAMING SHRINKS DURING THE FIRST HEATING SEASON, THE SHRINKAGE WILL BE UNIFORMLY DISTRIBUTED OVER THE ENTIRE FLOOR. IF THE
- GIRDER NAILING PATTERN IS OMITTED. THEN THE SHRINKAGE WILL ACCUMULATE OVER THE GIRDERS AND AN OBJECTIONABLE CRACK WILL DEVELOP IN THE FINISHED HARDWOOD FLOOR OVER THE GIRDER LINE. AT ALL GIRDERS WHERE THE JOISTS CHANGE DIRECTION, INSTALL BRIDGING AT 6' O/C FOR A MINIMUM OF SIX JOIST SPACINGS BEYOND Y JOIST DIRECTION CHANGE. THIS WILL INSURE SHRINKAGE DISTRIBUTION OVER THE FLOOR AND NOT LET IT ACCUMULATE AT THE
- GIRDER.

 C) THERE MUST BE WOOD BLOCKING THRU BOLTED TO THE STEEL BEAM WITH JOISTS TOENAILED OR ATTACHED TO THE BEAM WITH METAL. HANGERS LINDER ANY HARDWOOD FLOORS THAT PASS OVER A STEEL BEAM SUPPORTING FLOOR JOISTS. THIS CONDITION OFTEN EXISTS
- OVER BASEMENT AREAS LOTHER LUMBER MAY BE SPRUCE #2 UNLESS NOTED OTHERWISE
- "LAM" BEAMS MUST HAVE 3-2X4 STUD JACKS UNDER EACH END SUPPORT UNLESS NOTED OTHERWISE.
- FOR SPANS UP TO 6': USE 3 1/2" X 3 1/2" X 1/4" STEEL ANGLES
- A) FOR SFANS UP: 10 6: USE 3 92° X 3 72° X 46° SIEEL ANGLES.
 B) FOR SFANS FROM 6' TO 101: USE 5° X 3 72° X 106° STEEL ANGLES.
 C) FOR SFANS FROM 9' TO 16: USE A PAIR OF 9-GAUGE WIRES IN EACH OF THE FIRST 3 COURSES OF BRICK ON A 5° X 3 72° X 5/16°
 STEEL ANGLE. LAP ALL 9-GAUGE WIRE SPICES A MINIMUM OF 1.2° INTO JAMBS. TEMPORARILY SUPPORT THE STEEL ANGLES BEFORE LAYING MASONRY. THE SHORING MAY BE REMOVED FIVE DAYS FOLLOWING THE INSTALLATION OF
- WHEN STRUCTURAL STEEL BEAMS WITH BOTTOM PLATES ARE USED TO SUPPORT MASONRY, THE BOTTOM PLATE MUST EXTEND THE FULL LENGTH OF THE STEEL BEAM. THIS PROVIDES SUPPORT TO THE ENDS OF THE PLATE BY BEARING ON THE ADJACENT MASONRY JAMBS. THE BEAM SHOULD BE TEMPORARILY SHORED PRIOR TO LAYING THE MASONRY. THE SHORING MAY BE REMOVED FIVE DAYS AFTER LAYING
- ALL BRICK VENEER OVER LOWER ROOFS (BRICK CLIMBS) MUST HAVE A STRUCTURAL ANGLE LAG SCREWED TO AN ADJACENT STUD WALL IN
- ACCORDANCE WITH DETAIL, WITH STEEL BRICK STOPS TO PREVENT SLIDING OF BRICK.
 ALL RAFTER BRACES MUST HAVE TWO STUDS FROM PLATE THROUGH ALL FLOORS TO THE FOUNDATION OR SUPPORTING BEAM BELOW. NO BRACES SHALL BE ATTACHED TO TOP WALL PLATE WITHOUT STUDS DIRECTLY UNDER THEM.

- CONCRETE GENERAL NOTES:

 I) EXCEPT WHERE OTHERWISE NOTED, FOR ALL CONCRETE, THE PROPORTIONS OF CEMENT, AGGREGATE, AND WATER TO ATTAIN REQUIRED.
- 1) EXCEPT WHERE O THERMISE NOTED, FOR ALL CONCRETE, THE PROPORTIONS OF CEMENT, AGGREGALE, AND WATER TO ATTAIN REQUIRED PLASTICITY AND COMPRESSIVE STRENGTH SHALL BE IN ACCORDANCE WITH ACT 318 CODE. CONCRETE SHALL BE 2,500 PSI IN 28 DAYS FOR FOOTINGS AND 2,500 PSI FOR WALLS, BEAMS, AND COLUMNS, UNLESS NOTED OTHERWISE.

 2) BEFORE PLACING CONCRETE, ALL DEBRIS, WATER AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE PLACES TO BE OCCUPIED BY THE CONCRETE. THE PLACING OF ALL CONCRETE SHALL BE IN ACCORDANCE WITH ACT 318 AND ASTM C94 REQUIREMENTS, PUMPING OF CONCRETE WILL BE PERMITTED ONLY WITH THE ENGINEER OF RECORDS APPROVAL OF PROPOSED CONCRETE MIX AND METHOD BE DURING CONCRETE CALL BE ORDINAL OF ACCORDANCE. OF PUMPING, CONCRETE SHALL BE RAPIDLY HANDLED FROM THE MIXER TO FORMS AND DEPOSITED AS NEARLY AS POSSIBLE TO ITS FINAL POSITION TO AVOID SEGREGATION DUE TO REHANDLING. CONCRETE TO BE SPADED AND WORKED BY HAND AND VIBRATED TO ASSURE CLOSE CONTACT WITH ALL SURFACES OF FORMS AND REINFORCING STEEL AND LEVELED OFF AT PROPER GRADE TO RECEIVE FINISH. ALL
- COUSE CONTACT WITH ALL SURFACES OF PORMS AND REINFORCING STELL AND LEVELED OFF AT RAVIER GRADE TO RECEIVE TRISH. ALL CONCRETE SHALL BE PLACED UPON CLEAN, DAMP SURFACES. VIBRATION SHALL BE APPLIED DIRECTLY TO THE CONCRETE AND SHALL BE SUPFICIENT TO CAUSE FLOW OF SETTLEMENT BUT NOT LONG ENOUGH TO CAUSE SEGREGATION OF THE MIX. 3) CONSTRUCTION JOINTS SHALL BE CONTINUOUS ACROSS JOINTS. IN SLABS ON GRADE, SAW CONTRACTION JOINTS SHALL NOT BE OVER 20 FEET CENTER TO CENTER EACH WAY. JOINTS SHALL BE SAWN A DEPTH OF ONE-THIRD OF THE SLAB THICKNESS, SAWING OF THE JOINTS SHALL COMMENCE AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT EXCESSIVE RAVELING. FILL THE SAW CUTS WITH APPROVED JOINT FILLER AFTER THE CONCRETE HAS CURED
- CONCRETE, WHEN DEPOSITED, SHALL HAVE A TEMPERATURE NOT BELOW 50°F AND NOT ABOVE 90°F. THE METHODS AND RECOMMENDED RACTICES AS DESCRIBED IN ACI 306 SHALL BE FOLLOWED FOR COLD WEATHER CONCRETING AND ACI 305 FOR HOT WEATHER
- CONCRETING. 5) FRESHLY PLACED CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING BY ONE OF THE FOLLOWING METHODS:
- A) PONDING OR CONTINUOUS SPRINKLING. B) ABSORPTIVE MAT OR FABRIC KEPT CONTINUOUSLY WET.

- DRIBORN TVE MINI OK HARMA TO MINIODOSCH WELL.

 (I) WATERPROOF PAPER CONFORMING TO ASTM CLITA

 (I) APPLICATION OF AN APPROVED CHEMICAL CURING COMPOUND.

 THE CURING SHALL CONTINUE UNTIL THE CUMULATIVE NUMBER OR DAYS WHEN THE AMBIENT TEMPERATURE ABOVE 50°P HAS TOTALED SEVEN.

 DURING CURING, THE CONCRETE SHALL BE PROTECTED FROM ANY MECHANICAL INJURY, LOAD STRESSES, SHOCK, VIBRATION, OR DAMAGE TO FINISHED SURFACES.
- 6) REINFORCING STEEL BARS SHALL BE DEFORMED IN ACCORDANCE WITH ASTM A305 AND OR A408 AND FORMED OF ASTM AG I 5-78 GRADE 60 STEEL. WELDED WIRE FABRIC REINFORCING TO BE ASTM A I 85 STEEL WIRE. ACCESSORIES SHALL CONFORM TO THE CRSI "MANUAL OF STANDARD PRACTICE." THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED OVER REINFORCING BARS:
- C) SLABS NOT EXPOSED TO WEATHER D) BEAMS AND COLUMNS

GENERAL NOTES

- MASONRY GENERAL NOTES:

 1) MASONRY WALLS ARE TO BE OF THE SIZES AND IN THE LOCATIONS SHOWN ON THE PLANS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF ACI 530.

 2) HOLLOW LOAD BEARING UNITS: ASTM C90 MADE WITH LIGHTWEIGHT OR NORMAL WEIGHT AGGREGATES. GRADE N-I UNITS SHALL BE
- PROVIDED FOR EXTERIOR AND FOUNDATION WALLS, GRADE N-I OR S-I UNITS SHALL BE PROVIDED FOR OTHER LOAD-BEARING WALLS OR
- CONCRETE BUILDING BRICK: ASTM C55 MADE WITH LIGHTWEIGHT OR NORMAL AGGREGATES, GRADE N-I OR S-I EXCEPT THAT BRICK.
- EXPOSED TO WEATHER SHALL BE N-I.
 MORTAR: ASTM C270-95, TYPE 5 PREPACKAGED MORTAR MIX WHICH SHALL NOT CONTAIN ANY NON-CEMENTITIOUS FILLERS COMBINED
- WITH NOT MORE. THAN THREE PARTS SAND PER ON PART MIX.
 REINFORCING STEEL: ASTM AG I 5 GRADE GO STEEL DEFORMED BARS WHERE INDICATED ON THE PLANS. WHERE REINFORCING BARS ARE INSTALLED IN THE CELLS OF CONCRETE MASONRY UNITS, THEY SHALL BE SECURED WITH WIRE TIES AT INTERVALS NOT EXCEEDING 24" O/C TO MAINTAIN THE BARS LOCATION IN THE CELL. THE TOLERANCE FOR SPACING OF VERTICAL BARS IS + 2 INCHES ALONG THE LENGTH OF THE WALL. THE TOLERANCE FOR THE DISTANCE BETWEEN THE FACE OF THE CONCRETE MASONRY UNIT AND THE CLINER OF SHALL NOT EXCEED ± ½".

 MORTAR PROTRUSION SHALL BE LESS THAN ½". A PROTRUSION OF ½" OR GREATER MUST BE REMOVED BEFORE GROUTING ON THE CONTROL OF THE CONTROL
- HORIZONTAL JOINT REINFORCEMENT: ASTM A62 FABRICATED FROM COLD DRAWN STEEL WIRE AND HOT DIP ZINC COATED (A5TM A153). IT SHALL CONSIST OF TWO OR MORE PARALLEL LONGITUDINAL WIRES 0. 14575 IN DIAMETER AIT OF LONGICTED CROSS WIRES 0. 1463* IN DIAMETER AIT A MINIMUM OF 16" O/C. JOINT REINFORCEMENT IS TO BE INSTALLED IN EVERY OTHER COURSE AND IN THE FIRST TWO COURSES AT THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 24" PAST THE OPENING. SPLICES
- SHALL OVERLAP NOT LESS THAN 12".

 EXECUTION: MASONRY UNITS SHALL BE LAID IN A RUNNING BAND PATTERN UNLESS NOTED OTHERWISE. THE WALLS SHALL BE CARRIED UP LEVEL AND PLUMB WITHIN THE TOLERANCES SPECIFIED IN ACI 530.1-88, SECTION 2.3.3.2. IF NONSTANDARD DIMENSIONS ARE ENCOUNTERED, BLOCK SHALL BE CUT WITH A MASONRY SAW TO FIT, NOT BY STRETCHING OR SHRINKING JOINTS. UNFINISHED WORK SHALL BE STEPPED BACK FOR JOINING WITH NEW WORK. TOOTHING WILL NOT BE PERMITTED EXCEPT WHERE SPECIFICALLY APPROVED
- SHALL BE STEPPED BACK FOR JOINING WITH NEW WORK. TOOTHING WILL NOT BE PERMITTED EXCEPT WHERE SPECIFICALLY APPROVED. DAMAGED UNITS ARE TO BE CUIT OUT AND NEW UNITS SET IN PLACE.

 THE FILLED CELLS AND BOND BEAM BLOCKS OF REINFORCED MASONRY WALLS ARE TO BE FILLED WITH ASTM C476-91, GROUT FOR MASONRY WITH MINIMUM COMPRESSIVE STRESS OF 2,000 FSI AND SLUMP RANGE OR 8. "TO I!". THE OUTSIDE FACE OF THE BOTTOM BLOCK OF EACH CELL IS TO BE BROKEN OUT FOR INSPECTION OF REINFORCING AND CLEAN OUT OF MORTAR DROPPINGS IN CELL. THE GROUT IS TO BE PUMPED INTO THE CELL IN MAXIMUM FIVE POOT LIFTS AND IMMEDIATELY VIBRATED TO MINIMIZE ANY VOIDING OF THE GROUT. RECONSOLIDATE EACH LIFT BY VIBRATING SEVERAL INCHES INTO THE PRECEDING LIFT BEFORE PLASTICITY IS LOST. RECONSOLIDATE THE TOP LIFT AND FILL WITH GROUT ANY SPACE LEFT BY SETTLEMENT SHRINKAGE
- RECONSULIDATE THE TOP LIFT AND FILL WITH GROUT ANY SPACE LEFT BY SETTLEMENT SHRINKAGE.

) WHERE PARTITIONS FALL BETWEEN FLOOR JOISTS OR TRUSSES, 2 X 4 LADDERS AT LG" O/C MUST BE PLACED PERPENDICULAR TO THE
 TRUSSES TO SUPPORT THE PLYWOOD DECKING. THE LADDERS SHALL BE SUPPORTED WITH SIMPSON "Z" CLIP OR SIMILAR DEVICE.

) ALL WOOD I-JOISTS AND OPEN JOISTS MUST BE BRACED IN ACCORDANCE WITH THE MANUFACTURERS DIRECTIONS PLUS DETAILS SHOWN
- ON PLANS. LOAD-BEARING PARTITIONS, JACKS, BEAMS AND COLUMN SUPPORTS MUST BE SOLID BLOCKED THROUGH FLOOR. TRUSSES AND PLYWOOD SHALL NOT CARRY CONCENTRATED POINT LOADS. I-JOIST MATERIAL SHOULD NOT BE USED AS BLOCKING UNDER CONCENTRATED POINT LOADS. ALL POINT LOADS MUST BE CARRIED TO FOUNDATIONS WITH ADEQUATE BLOCKING AND/OR BEAMS
- CONCENTRATED POINT LOADS. ALL POINT LOADS MUST BE CARRIED TO FOUNDATIONS WITH A DEPOINT BLOCKING AND/OR BEAMS.

 12) ALL STEEL COLLIMNS WHERE STEEL COLLIMNS BEAR ON CONCERTE OR MASONRY, UNLESS OTHERWISE NOTED, A 5/8" X 6 ½" X 6
- OPENING NAILED SECURELY TO THE HEADER OF LINING INVALIDED SECONDET FOR THE HEADER. WALLS 12'TO 20' HIGH: BALLOON FRAME 2 X 6 STUDS AT 16" O/C (1/2" OSB SHEATHING REQUIRED FOR WALL HEIGHTS > 17"). PROVIDE WALLS 12 TO 20 HIGH: BALLOUN FRANC 2 X 6 STUDS AT 16 O/L (12 OSS SHEATING REQUIRED FOR WALL REIGHTS > 17). FROVIDE 2-1 14" X 5 A VI'LV KING STUDS ON EACH SIDE OF OPENINGS 3"TO 6" WIDE AND 2-2 X 6 KING STUDS FOR OPENINGS LESS THAN 3" WIDE. FASTEN KING STUDS SECURELY TO ALL HEADERS WITH A MINIMUM OF 12-16D NAILS OR 4-3/8" DIAMETER LAG SCREWS EMBEDDED A MINIMUM. OF 4" INTO THE HEADER.
- MINIMUM OF A NOT THEADER. OPENINGS. NAILED SECURELY TO THE HEADER.
- OPENINGS, NAILED SECURELY 10 THE HEADER.

 TWO-STORY HIGH FOYER WALLS LESS THAN 9' WIDE: EXTEND 3 ½" X 9 ½" PSL MEMBER WITH 3-2 X 4 FLAT PLATES ACROSS THE ENTIRE WALL. LOCATE THE BEAM NEAR MID-HEIGHT OF THE WALL AT OR NEAR RIRST FLOOR TOP PLATE.
- NOTE: SEE SPECIAL DESIGN OR ENGINEER FOR WALLS TALLER THAN 20', WHEN OPENINGS IN HIGH WALLS EXCEED 6' IN WIDTH, OR IF THE WALL CANNOT BE CONSTRUCTED USING ANY OF THE METHODS MENTIONED.

 14) CONTINUOUS 2 X 6 BRIDGING SHALL BE NAILED TO DIAGONAL OR VERTICAL WEB MEMBERS OF ALL OPEN-WEB FLOORS TRUSSES OVER 10'
- LONG. THEY SHALL BE INSTALLED NEAR MID-SPAN AS A LOAD DISTRIBUTION MEMBER. IF THE 2 X 6 BRIDGING IS NOT CONTINUOUS, LAB ENDS OF BRIDGING ONE TRUSS SPACE. 15) LOWER STUD WALLS FOR BUILDINGS OVER TWO STORIES BUT NOT MORE THAN THREE STORIES"

- USE 2 X 6 AT 16" O/C WITH 1/2" X 4' X 8' PLYWOOD SHEATHING AT ALL CORNERS AND EVERY 25'; OR USE 2 X 4 AT 12" O/C WITH 1/2" PLYWOOD SHEATHING SOLID ON WALLS
- HEADERS SHALL BE AS SHOWN UNLESS NOTED DIFFERENTLY ON PLANS:

- SPANS 6'6" OR MORE
- MOSTAND & GG* ON MORE.
 HEADERS WIDER THAN 5' SHALL HAVE A MINIMUM OF THREE KING STUDS ON EACH SIDE UNLESS NOTED OTHERWISE.
 WHEN CEILING JOISTS ARE PARALLEL TO AN EXTERIOR WALL, TIE THE RAFTERS NEAR THE TOP PLATE TO CEILING JOISTS WITH A 2 X 6 STRONGBACK. A MINIMUM OF G' LONG AT 4 FEET ON CENTER ACROSS THE TOP OF THE CEILING JOISTS. 2 X 4 RAFTER TIES SHALL BE FASTENED TO THE SIDE OF THE RAFTER AND THE STRONGBACK.
 AT ALL EXTERIOR DIAGONAL WALL PANELS, EACH PANEL SHALL BE NAILED TO EACH ADJACENT PANEL WITH 5-16 D NAILS OR TIED TOGETHER
- WITH METAL STRIPPING NAILED AT FOUR LOCATIONS BETWEEN PLOORS WITH A MINIMUM OF 2-1 GD NAILS INTO EACH PANEL AT EACH STRAP. THIS WILL AVOID VERTICAL CRACKING IN PANEL JOINTS DUE TO HORIZONTAL OSCILLATING PANELS.
- 19) AT ALL STARES, EVERY STUD AT EACH STRINGER MUST BE NAILED TO EACH STRINGER WITH A MINIMUM OF 2-16D NAILS. THIS WILL AVOID CRACKING BETWEEN WALLBOARD AND TOP OF BASE MOLDING DUE TO VERTICAL OSCILLATION OF STAIR STRINGERS. 20) ROOF TRUSSES THAT HAVE NON-BEARING PARTITIONS PASSING UNDER THEM SHOULD BE NAILED TO THE PARTITION PLATES TO AVOID
-) ROOF TRUSSES THAT HAVE NON-BLAKING FARTHONS FASSING UNDER THEM SHOULD BE NAILED TO THE FARTHON FLATES TO AVOID CEILING-WALL CRACKING.) ROOF TRUSSES CLOSE TO SIDE WALLS FRAMING AND USED AS DEAD WOOD FOR SHEETROCK BOARDS SHOULD BE NAILED TO THE WALL FRAMING TO PREVENT CEILING-WALL CRACKING.
 22) ALL STRUCTURAL FRAMING LUMBER EXPOSED DIRECTLY TO THE WEATHER OR BEARING DIRECTLY ON EXTERIOR MASONRY PIERS OR
-) ALL STRUCTURAL PRAMING LUMBER EXPOSED DIRECTLY TO THE WEATHER OR BEARING DIRECTLY ON EXTERIOR MASONRY PIERS OR CONCRETE SHALL BE TREATED. ALL WOOD IN CONTACT WITH THE GROUND IS TO BE GROUND-CONTACT APPROVED. ALL WOOD EXPOSED DIRECTLY TO THE WEATHER. SHALL BE PROTECTED TO PREVENT THE OCCURRENCE OF ROT.

 UNLESS OTHERWISE DETAILED, ALL STICK-BUILT "FALSE CHIMNEYS" SHALL BE CONSTRUCTED WITH 2 X 4 STUDS AT 12" O/C, BALLOON-FRAMED FROM ATTIC CEILING OR FLOOR. FASTEN 15/32" CDX PLYWOOD ON ALL SIDES OF THE CHIMNEY ALONG THE FULL LENGTH OF THE STUDS. FASTEN EACH. STUD TO THE SUPPORTING BEAM OR CEILING JOIST WITH A 1 ½" X 24", 18-GAUGE METAL STRAP, OR BE AS MAN AR CONNECTED. 24) ITEM UNCHANGED, BUT MOVED FROM UNDER #14 ON OLD PAGE 2:

. TE:ALL POINT LOAD'S FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS - WHETHER WOOD OR STEEL - CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE MUST BE CARRIED THROUGH ALL

- SHEATHING ALONE. BLOCKING EURAL TO OR BETTER THAN THE F CONSTRUCTION TO THE FOUNDATION.

 NOTE TO APPLY TO ALL HARD COAT STUCCO EXTERIOR FINISHES: JOINTS ARE NECESSARY AT THE FOLLOWING LOCATIONS:
- HORIZONTALLY AT EACH FLOOR LINE. NO AREAS LARGER THAN 144 S.F. SURFACE EXPOSED.
- NO DIMENSION LONGER THAN 18'. NO DIMENSION LONGER THAN 2 ½ TIMES THE SHORTEST DIMENSION.
- NO DIMINISION LONGER HAIM 2° 12 MINES THE SHORKES I DIMENSION.

 DRIP SCREED REQUIRED AT THE BOTTOM OF ALL WALLS 2" ABOVE PAVED AREAS AND 4" ABOVE GRADE.

 SEE ASTM 926 AND 1063 FOR FURTHER INFORMATION.

 APPLICATION OF AN APPROVED CHEMICAL CURING COMPOUND.
- THE CURING SHALL CONTINUE UNTIL THE CUMULATIVE NUMBER OR DAYS WHEN THE AMBIENT TEMPERATURE ABOVE 50°F HAS TOTALED SEVEN DURING CURING THE CONCRETE SHALL BE PROTECTED FROM ANY MECHANICAL INJURY LOAD STRESSES, SHOCK VIBRATION OR DAMAGE TO FINISHED SURFACES

WALL BRACING NOTES:

I. THIS STRUCTURE HAS BEEN ANALYZED BY A PROFESSIONAL ENGINEER FOR LATERAL LOADING. IT HAS BEEN DESIGNED USING CONTINUOUSLY SHEATHED 7116" OSB SHEATHING, FASTENED AT 6" O.C. ALONG THE EDGES AND 12" O.C. ALONG THE INTERIOR TO MEET OR EXCEED THE INTERIOR TO THE 20 IS INTERIOR TO MEET OR EXCEED THE INTERIOR TO THE 20 IS INTERIOR TO MEET OR EXCEED THE INTERIOR TO THE 20 IS INTERIOR TO MEET OR EXCEED THE INTERIOR TO THE 20 IS INTERIOR TO MEET OR EXCEED THE INTERIOR TO THE 20 IS INTERIO

- ROOF CONSTRUCTION:

 1) ALL ROOF TRUSSES MUST BE BUILT IN ACCORDANCE WITH TRUSS MANUFACTURERS' REQUIREMENTS. TIE-DOWN CONNECTIONS TO RESIST UPIET SHALL BE INSTALLED WHERE REQUIRED. WHEN ROOF TRUSS MANUFACTURERS DO NOT PROVIDE THE REQUIRED CONNECTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ROOF TRUSS ENGINEER OR THE ENGINEER OF RECORD TO PROVIDE AN ADEQUATE CONNECTOR
- 2) IN ADDITION TO THE CODE'S EASTENER SCHEDULE UNIESS NOTED OTHERWISE ON THE PLAN ROOF MEMBERS SHALL BE TIED DOWN VITH ADDITIONAL METAL CONNECTORS AS FOLLOWS
- WITH AUDITIONAL METAL CONNECTORS AS FOLLOWS:

 A) STICK-FRAMED RAFTER MEMBERS EXCEEDING 10' IN LENGTH, AS MEASURED FROM THEIR HORIZONTAL PROJECTION, AND ALL ROOFS
 OVER, UNENCLOSED AREAS SUCH AS FORCHES USE SIMPSON H2.5 CONNECTORS EVERY 4' OR AT EVERY THIRD RAFTER TO FASTEN
 THE LOWER END OF THE RAFTER TO THE TOP PLATE.

 B) ALL LOWER ENDS OF VALLEY AND HIP MEMBERS WHICH BEAR ON A TOP PLATE USE A SIMPSON HCP OR EQUIVALENT CONNECTOR.
- RAFTERS SHALL BE 2 X 6 AT 16" O/C SPRUCE-PINE-FUR #2 FOR SHINGLES EXCEPT AS NOTED. THEY ARE TO BE CUT INTO HIPS, RIDGES, ETC., UNILESS NOTED OTHERWISE. TILE, SLATE AND OTHER HEAVY ROOF COVERINGS SHALL USE 2 X 8 AT 16" O/C SPRUCE-PINE-PINE-PUR #2 RAFTERS DIVILESS NOTED OTHERWISE.
- SPRUCE-PINE-PUR 92 RAPIERS UNLESS NOILED OF INERWISE.
 COLLAR TIES SHALL BE 2 X 6 AT 48" O/C AT ALL RIDGES UNLESS NOTED OTHERWISE AND LOCATED A NOMINAL 3' BELOW THE RIDGE.
 VAULTED CEILINGS REQUIRE SPECIAL COLLAR TIE OR RIDGE BEAM DETAILS. SEE THE END OF TABLE R802.5.1. IN THE CODE UNLESS
 OTHERWISE DETAILED ON THE PLAN.
 A MINIMUM OF THREE COLLAR TIES SHALL BE USED AT ALL RIDGES EVEN IF TWO TIES MUST BE PUT ON ONE SET OF RAFTERS.
- ALL HIPS AND RIDGES ARE A SIZE LARGER THAN RAFTERS UNLESS NOTED OTHERWISE.
- ALL HOGS ON CEILING JOISTS OR RAFTERS ARE 12' LONG AND 2 X G'S UNLESS NOTED OTHERWISE. RAFTERS MAY BE SPLICED OVER SPLICE RAFTER HOGS ONLY AT A ROOF BRACE.
- HOGS. SHILCE KAPIER HOGS ONLY ALA KOOP BKACE.
 GABLE END MUST BE BRACED PARALLEL TO RIDGES AS REQUIRED PER TRUSS MANUFACTURER. GABLE END TRUSS BEARING SHALL
 FOLLOW THE TRUSS MANUFACTURE TYPICAL DETAILS AND BE LOCATED APPROXIMATELY MID-HEIGHT OF GABLE WALLS. BRACES
 SHALL BE AT AN ANGLE OF APPROXIMATELY 45°. OTHER BRACING MAY BE USED WITH THE DESIGN ENGINEER'S APPROVAL. FIELD
 FRAMED GABLE END WALLS SHALL BE CONTINUOUS STUDS FROM THE CEILING LEVEL TO THE ROOP AND SHALL FOLLOW THE EXTERIOR WALL STUD SCHEDULE
- 9) CFILING JOISTS WHEN ERECTED PARALLEL TO RAFTERS MUST BE SISTERED TO RAFTERS AND NAILED WITH 3-16D NAILS AT EACH 9) CEILING JOISTS WHEN ERECTED PARALLEL TO RAFTERS MUST BE SISTERED TO RAFTERS AND NAILED WITH 3- I GD NAILS AT EACH
 RAFTER. IF A KNEEWALL IS USED AND CEILING JOISTS CANNOT TOUCH RAFTERS, THEN RAFTERS MUST BE TIED TO THE CEILING
 JOISTS USING 2 X 4 OR I X 6 RAFTER TIES SPACED NO MORE THAN 4" ON CENTER.
 D) ALL ROOP BRACES ARE 2-2 X 4 NAILED WITH I 6 PENNY NAILS AT 9" O/C VERTICALLY FROM TOP TO BOTTOM. BRACES LONGER
 THAN 10" MUST BE BRACED HORIZONTALLY IN TWO DIRECTIONS AT MID-HEIGHT.
 E) MAXIMUM SPACING OF ROOF BRACES IS TO BE AS FOLLOWS:

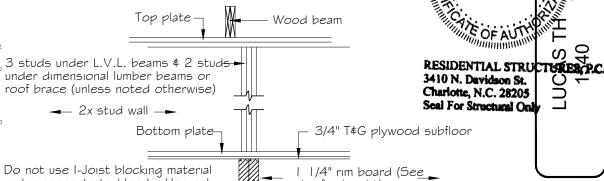
- FOR 2 X 8 HOG

LUMBER CENERAL NOTES

I)	ALL COMMON FRAMING LUMI	BER IS TO MEET THE	FOLLOWING MIN	IMUM SPECIFICATIONS	AT 19% MOISTURE CO	ONTENT
	MATERIAL	FB (PSI)	FT (PSI)	FC (PSI)(PERP)	E (PSI)	
	# 2 SPRUCE PINE FUR	875	450	425	1,400,000	
	COLITHEDAY VEH OW DIME	1 150	COO	480	1 600 000	

- 2) ALL STRUCTURAL COMPOSITE LUMBER (LVL, LSL, PSL) IS TO MEET THE FOLLOWING MINIMUM SPECIFICATIONS FC (PSI)(PERP.) E (PSI) 400 COLUMNS (LSL) \$ RIMBOARDS 1.700
- 3) ALL GLUE LAMINATED TIMBER (GLU-LAM) IS TO MEET THE FOLLOWING MINIMUM SPECIFICATIONS APPLICATION
 GIRDERS & BEAMS 1 700 000
- 4) OPEN WEB FLOOR TRUSSES: APPLICATION TOP \$ BOTTOM CHORDS 9F MSR LUMBER COLUMNS (LSL) & RIMBOARDS I 4F IUMBER
- WE MUNS WHERE THREE OR FOUR-PLY "LAM" BEAMS ARE SIDE-LOADED (JOISTS FRAME INTO THE SIDE AT THE OUTSIDE PLIES), FASTEN ALL PLIES TOGETHER WITH TWO ROWS OF ½" DIAMETER BOLTS AT 16" O/C. THE BOLTS SHALL BE LOCATED A MINIMUM OF 2 ½" AND A MAXIN ½" FROM THE TOP OR BOTTOM OF THE BEAM.
- 6) BUILT-UP WOOD COLUMNS CONSISTING OF MULTIPLE STUDS SHALL HAVE EACH LAMINATION NAILED WITH 1 6D NAILS AT 9" O/C

PLANS PERMITTED IN NORTH CAROLINA ARE DESIGNED TO MEET THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE AS ISSUED BY THE STATE OF NORTH CAROLINA



under concentrated loads. Use only plan for height) solid wood blocking Top plate -(2) 2x4 studs laid flat against rim board \$ nailed to rim board w/(4) 2x stud wall → I 2d nails (Each block) w/3/4" plywood nailed over studs Same number of studsas above to bear on

> Number of studs / blocking transfer load detail at engineered floor system

beam or foundation below \bot

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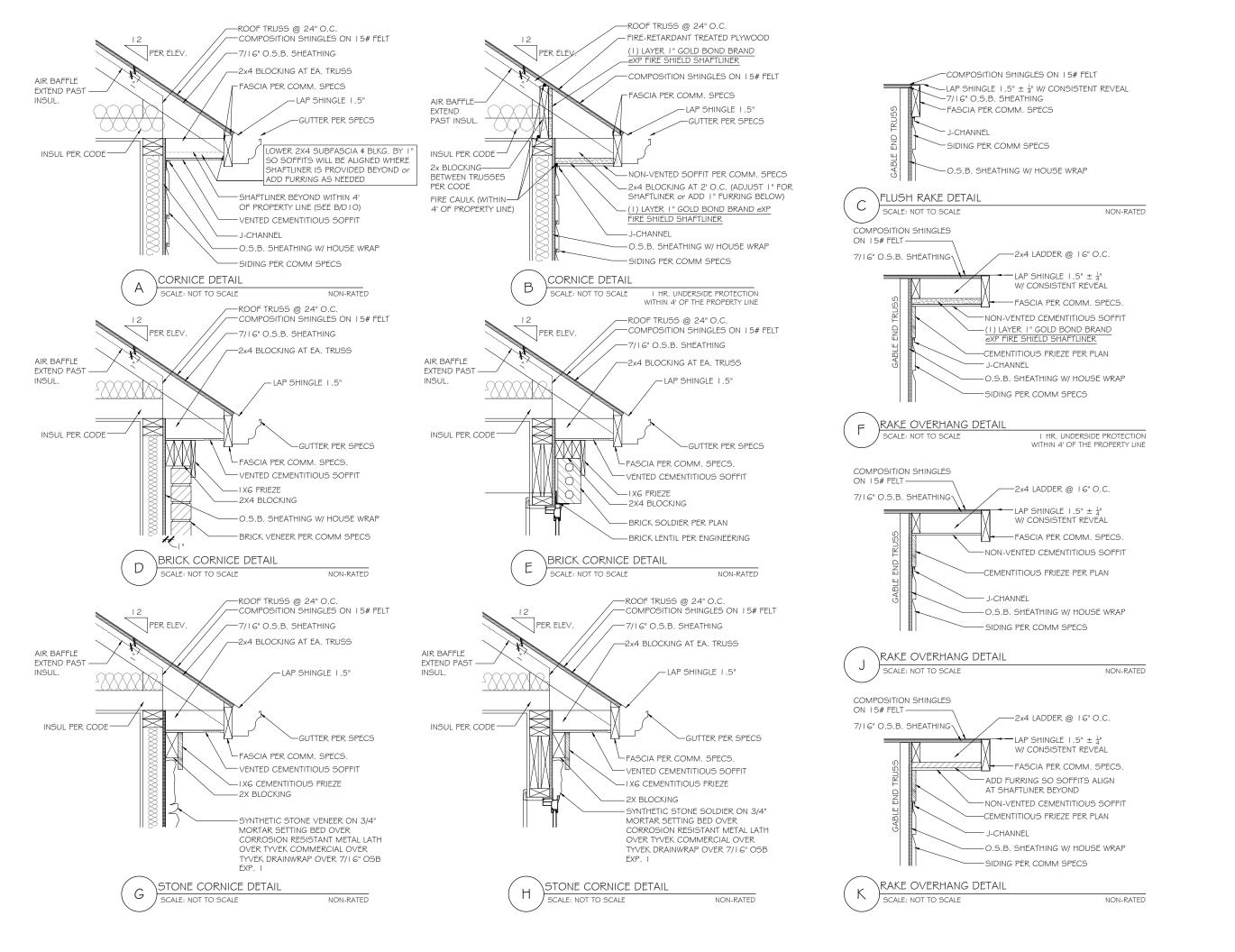
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12.14.23 SCALE: AS SHOWN

REVIEWED BY: Chuck

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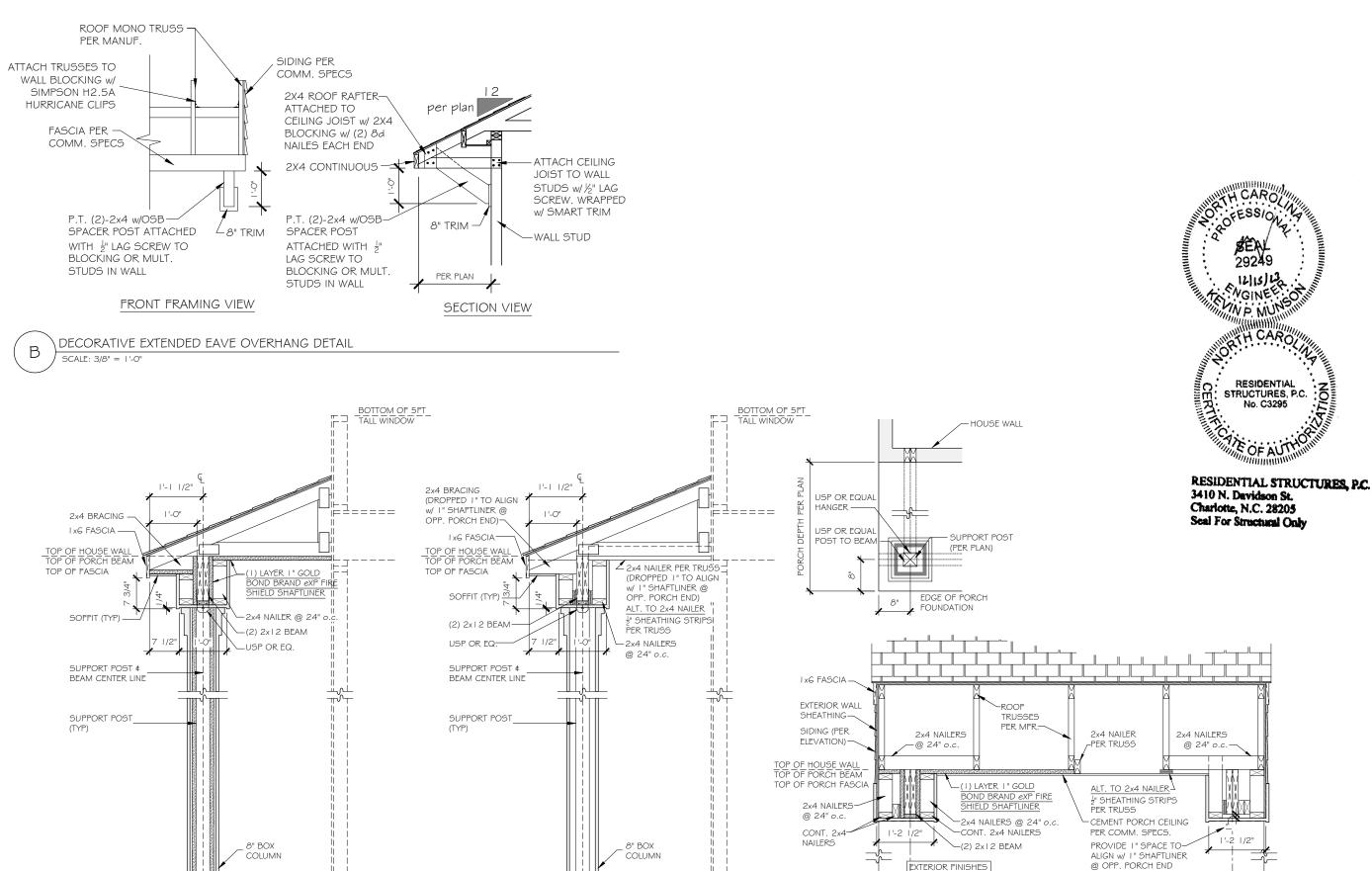
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COLUMN

USP OR EQUAL

NON-RATED

CONCRETE PORCH

8"

SLAB (TYP)

EXTERIOR FINISHES

PORCH COLUMN

(SEE PLAN DETAIL)

I HR. RATED

PER ELEVATION \$

COMM. SPECS)

WALL CORNER -

BEYOND

CONCRETE

PORCH SLAB

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PORCH COLUMN

(SEE PLAN DETAIL)

NON-RATED

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8" BOX COLUMN DETAIL

CONCRETE PORCH

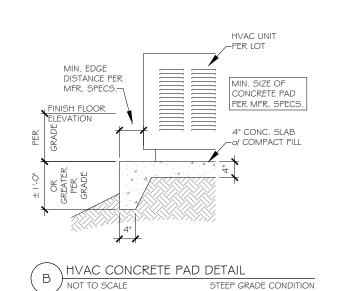
SLAB (TYP)

COLUMN

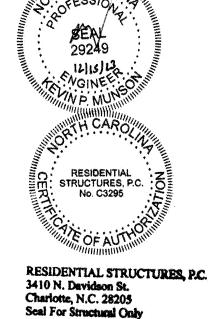
JSP OR EQUAL

HR. RATED

SCALE: 1/2" = 1'-0"



TILE WALL NICHE DETAIL



(2) 2x10 (OR HEADER SIZE SPECIFIED ON FRAMING PLAN) 4'-4 1/2" -2-2XIO HEADER or PER ENGINEERING FILL CAVITY WITH BATT INSULATION PER LOCAL CODE. REMOVE PORTION OF OPTIONAL INSULATION REQUIRED TO INSTALL FIXED ENCAPSULATED FOAM NICHE(s) PER CLIENT SELECTIONS. FINAL FINISH TO BE AIR TIGHT WINDOW PER MANUF. SPECS. (PER PLAN) JACK AND KING 7'-0" ERIFY HEADER HT PER PLAN STUDS PER PLAN 14 PL OLR. 4'-1 1/2" CLR. PER. FRAMING -WALL PER PLAN NOTES: I. PLAN DIMENSIONS SUPERCEDE DETAIL DIMENSIONS 2. WINDOW IS OPTIONAL. SEE FLOOR PLAN TO VERIFY IF WINDOW WAS SELECTED 5'-O" TYP. SHOWER OPENING

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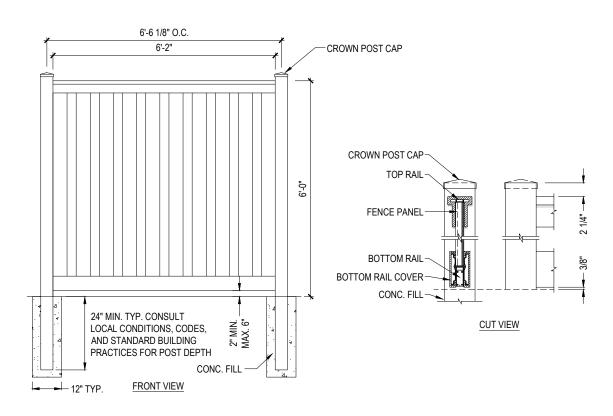
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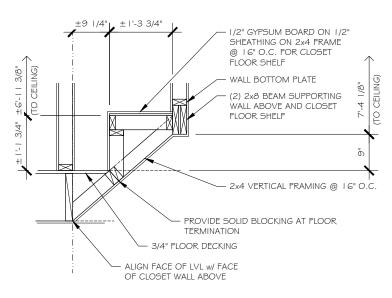
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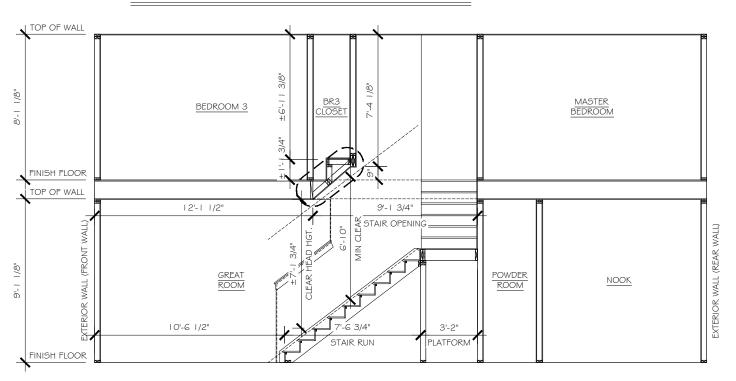
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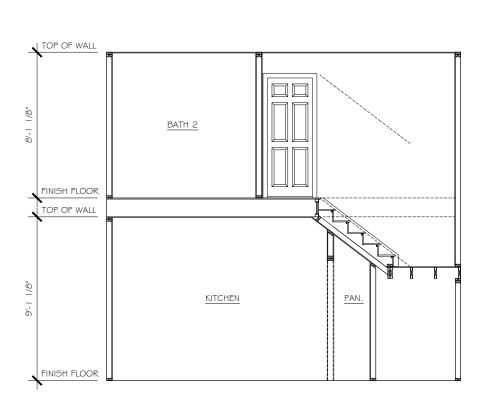
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CLOSET FLOOR SHELF DETAIL





STAIR SECTIONS

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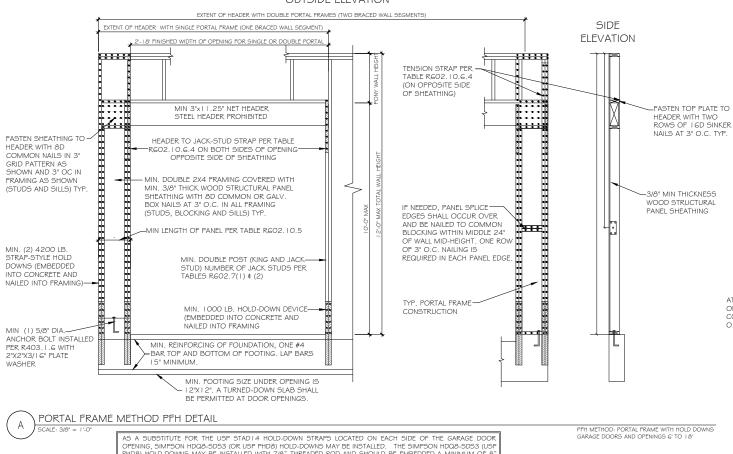
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WALL BRACING HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 NCRC AND/OR THE 2021 IRC AS ALLOWED PER SECTION R602.10

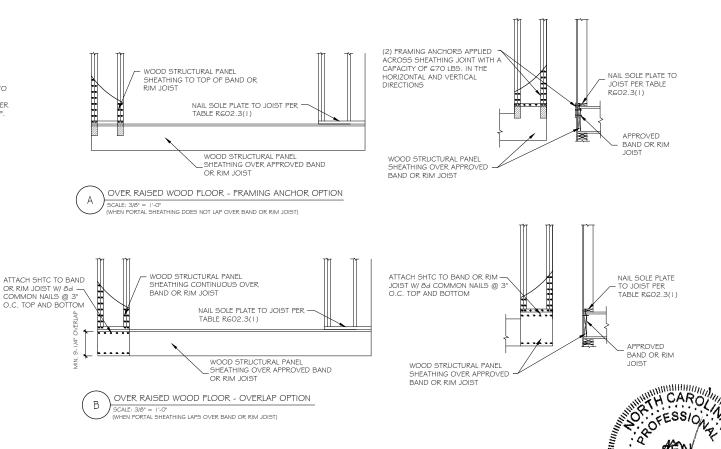
OUTSIDE ELEVATION

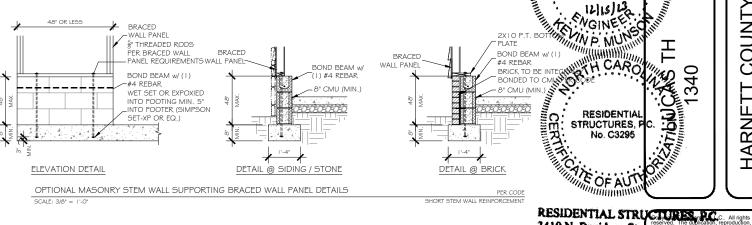


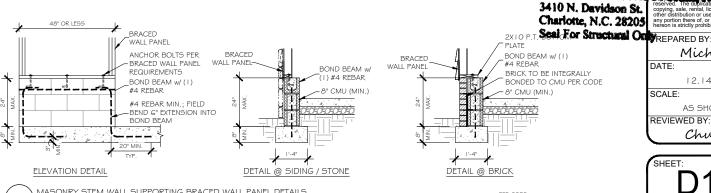
AS A SUBSTITUTE FOR THE USP STADIA HOLD-DOWN STRAPS LOCATED ON EACH SIDE OF THE GARAGE DOOR DPENING, SIMPSON HOO&-SDS3 (OR USP PHOB) HOLD-DOWNS MAY BE INSTALLED. THE SIMPSON HOO&-SDS3 (USI PHOB) HOLD-DOWNS MAY BE INSTALLED WITH 7/8" THREADED ROD AND SHOULD BE EMBEDDED A MINIMUM OF & NTO THE CONCRETE FOOTING OR GROUTED CMU BLOCK WITH HIGH STRENGTH EPOXY. ADDITIONALLY, A 5/8 XPANSION ANCHOR (6" MIN EMBEDMENT) OR 5/8"X 6" SIMPSON TITEN HD ANCHOR MAY BE INSTALLED AS EPLACEMENT FOR THE 5/8" "WET SET" ANCHOR BOLT SHOWN IN THE PORTAL FRAMING WITH HOLD-DOWNS DETAIL.

CS-PF METHOD: CONTINUOUSLY SHEATHED PORTAL FRAME-GARAGE DOOR GARAGE DOORS AND OPENINGS 8' AND GREATER

OUTSIDE ELEVATION EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TWO BRACED WALL SEGMENTS) HEADER WITH SINGLE PORTAL FRAME (ONE BRACED WALL SEGMENT) SIDE **ELEVATION** 2'-18' FINISHED WIDTH OF OPENING FOR SINGLE OR DOUBLE PORTAL ***** TENSION STRAP PER (ON OPPOSITE SIDE OF SHEATHING MIN 3"x I I .25" NET HEADER FASTEN TOP PLATE TO HEADER WITH TWO ROWS OF FASTEN SHEATHING TO HEADER WITH 8D I GD SINKER NAILS AT 3" O.C. TYP. COMMON NAILS IN 3" EADER TO JACK-STUD STRAP PER TABLE-GRID PATTERN AS R602, I 0.6.4 ON BOTH SIDES OF SHOWN AND 3" OC IN OPENING OPPOSITE SIDE OF SHEATHING FRAMING AS SHOWN (STUDS AND SILLS) TYP BRACED WALL LINE CONTINUOUSLY-SHEATHED WITH WOOD STRUCTURAL 7/16" MIN THICKNESS WOOD STRUCTURAL PANEL SHEATHING MIN. DOUBLE 2X4 FRAMING COVERED WITH MIN. IF NEEDED, PANEL SPLICE-7/I G" THICK WOOD STRUCTURAL PANEL SHEATHIN WITH 8D COMMON OR GALV. BOX NAILS AT 3" O.C IN ALL FRAMING (STUDS, BLOCKING AND SILLS) TY EDGES SHALL OCCUR OVER AND BE NAILED TO COMMON BLOCKING WITHIN MIDDLE 24" OF WALL MID-HEIGHT. ONE RO OF 3" O.C. NAILING IS MIN LENGTH OF PANEL PER TABLE REQUIRED IN EACH PANEL EDGE. R602.10.5 MIN (2) 1/2" DIA. MIN (2) 1/2" DIA. ANCHOR BOLT INSTALLED PER R403. I. G WITH 2"X2"X16" PLATE WASHER MIN. DOUBLE POST (KING AND-JACK STUD) NUMBER OF JACK STUDS PER TABLES R602.7(1) \$ (2) TYP. PORTAL FRAME-CONSTRUCTION ANCHOR BOLT PER SECTION R403.1.6-PORTAL FRAME METHOD CS-PF DETAIL







MASONRY STEM WALL SUPPORTING BRACED WALL PANEL DETAILS

SHORT STEM WALL REINFORCEN

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HEN PORTAL SHEATHING LAPS OVER BAND OR RIM JOIST