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THE 'ARIA'

HEADER SCHEDULE

- ALL INTERIOR BEARING AND EXTERIOR WALLS . SPANS UP TO 3'-6" -- (2) 2x8's 2. SPANS 3'-6" TO 6'-6" -- (2) 2x10' 3. SPANS 6'-6" OR MORE -- SEE PLAN
- ** SOUTH CAROLINA SPECIFIC NOTE ** ALL OPENINGS IN THERMAL ENVELOPE MUS HAVE INSULATED HEADER PER CODE

EXTERIOR HINGED DOOR SCHEDULE

DOOK WIDTH		DOOK HEIGHT K.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					

INTERIOR HINGED DOOR SCHEDULE

5/0 60-1/8"

DOOR WIDTH		DOOR HEIGHT R.O.			ı
PLAN I.D.	R.O. WIDTH	8FT CEILING	9FT CEILING	I OFT CEILING	l
1/4	1'-6"	()	(),	(l
1/6	1'-8"	2/1-	2/1-	2/1-	l
1/8	1'-10"	4	+	+	l
2/0	2'-2"	눞	눞	눞	l
2/4	2'-6"		- FE	TEIG	l
2/6	2'-8"	1/2' JR H	1/2' JR t	1/2' JR h	l
2/8	2'-10"	82-1/2" DOOR H	82-1/2" DOOR F	98-1/2" DOOR H	l
2/10	3'-0"	¥	N A	N N	l
3/0	3'-2"	82-1/2" (G'-8" NOMINAL DOOR HEIGHT +2-1/2")	Σ	Σ	l
4/0	4'-2"	9	9	9	l
5/0	5'-2"	<u>_</u>	82-1/2" (G'-8" NOMINAL DOOR HEIGHT +2-1/2")	98-1/2" (8-0" NOMINAL DOOR HEIGHT +2-1/2")	l
6/0	6'-2"	9	9	0	l

>EXTERIOR DOOR ()INTERIOR DOOR

INTERIOR PASS THRU SCHEDULE

FRAMED OPENING DIMENSIONS						
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 TO MATCH INTERIOR HINGED DOOR CASING

INTERIOR DOORWAY OPENINGS:

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

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 INTERNATIONAL RESIDENTIAL 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 I 6" 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
- 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
- PROVIDE I 1/2" FLAT WALL FRAMING FOR ALL HVAC CHASES UNLESS NOTED OTHERWISE. SEE FRAMING SHEET GN FOR ADDITIONAL NOTES PER LOCAL CODES.
- I 6. TYPICAL DOOR OFFSET FROM PERPENDICULAR WALL U.N.O. = 4" INTEGRITY & ELEMENTS OR
- DOOR OFFSET CENTERED IN THE WALL UNLESS NOTED OTHERWISE
- 17. ALL HOMES TREATED WITH BORA-CARE OR BAIT STATIONS AS 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
- 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

2. DATE:

MASONS MILL

LOT # 190

TBD **ERWIN NC 28339**

COMMUNITY SPECS MARKET: RALEIGH

SQUARE FOOTAGE

- MONO SLAB FOUNDATION
- VINYL SIDING / VINYL SOFFIT
- FLUSH RAKE

FIRST FLOOR

SECOND FLOOR

SALES CENTER

TOTAL LIVABLE

FRONT COVERED PORCH

OVERALL HT. (FF to Ridge)

PLATE HEIGHT(s)

O SQ. FT.

O ELEV

REAR CONCRETE PATIO

HELP HOTLINES "WHEN IN DOUBT, GIVE US A SHOUT" TRUE BUILDER:

INTEGRITY SPECIFICATION

(To be filled in by Builder on site)

646 SQ.FT

1077 SQ.FT

494 SQ.F1

2217 SQ.FT

49 SQ.FT

140 SQ.FT

26'-8"

91/81

O HVAC O OTHER

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: ASK@truehomesusa.com

ESTIMATING:

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

COVER SHEET FIRST FLOOR PLAN SECOND FLOOR PLAN FRONT \$ SIDE ELEVATIONS REAR \$ SIDE ELEVATIONS STAIR SECTIONS FIRST FLOOR ELECTRICAL PLAN SECOND FLOOR ELECTRICAL PLA FOUNDATION PLAN FIRST FLOOR FRAMING ROOF FRAMING PLAN

TABLE OF CONTENTS

GENERAL STRUCTURAL NOTES TYP. FOUNDATION DETAILS TYP FLASHING DETAIL TYP. BATH/SHWR FRAMING TYP. GEN. STRAPPING DETAILS TYP PORTAL FRAME DETAIL - PE TYP BENCH / FAUX BEAM DETAIL TYP STAIR DETAILS

TYP STAIR DETAILS

TYP STAIR DETAILS

TRIM DETAILS COLUMN DETAILS

TYP CORNICE DETAILS

ORIGINAL CONTRACT ID#: 74403

WH CAROT RESIDENTIAL STRUCTURES, P.C. No. C3295

UPGRADED ELEVATION

RESIDENTIAL STRUCTURES, P.C. 3410 N. Davidson St. Charlotte, N.C. 28205 Seal For Structural Only

PREPARED BY:

ARIA 1720

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17.8 ALL ABOUT U
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1

MASONS MILL

90

#10

HARNET

JORDAN 08-19-25

SCALE: NOT TO SCALE REVIEWED BY: NICK

RALEIGH REVISION LOG DESIGN CRITERIA DRAWN BY:

DESIGN LOADS ARE ALL DEAD LOADS PLUS:

- SLEEPING ROOMS......30 PSF ALL OTHER FLOORS......40 PSF
- ATTIC FLOOR LIVE LOADING WITH THE FOLLOWING:
- AREA ACCESSIBLE BY
- ROOF SLOPES >3:12......20 PSF ROOF SLOPES <3:12.....10 PSF
- ROOF LIVE LOAD.....20 PSF WIND LOAD...... I 15 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

IMPACTS TO: ○ FRAMING O FLEC O DOORSWIN O END O SQ FT ○ FLEV O HVAC O OTHER DRAWN BY:

IMPACTS TO O FRAMING O ELEC. O DOORSWIN. 3. DATE: DRAWN BY

IMPACTS TO: O FRAMING O ELEC. O DOORSWIN. O FND O SQ. FT. O ELEV O HVAC O OTHER 4. DATE: DRAWN BY

MPACTS TO:

O ELEV OHVAC OTHER O FRAMING O ELEC. O DOORS/WIN. O FND O SQ. FT.

O FND

1720 - FIRST FLOOR PLAN

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MASONS MILL

190

#LOT

ARIA 1720 HARNETT

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JORDAN DATE:

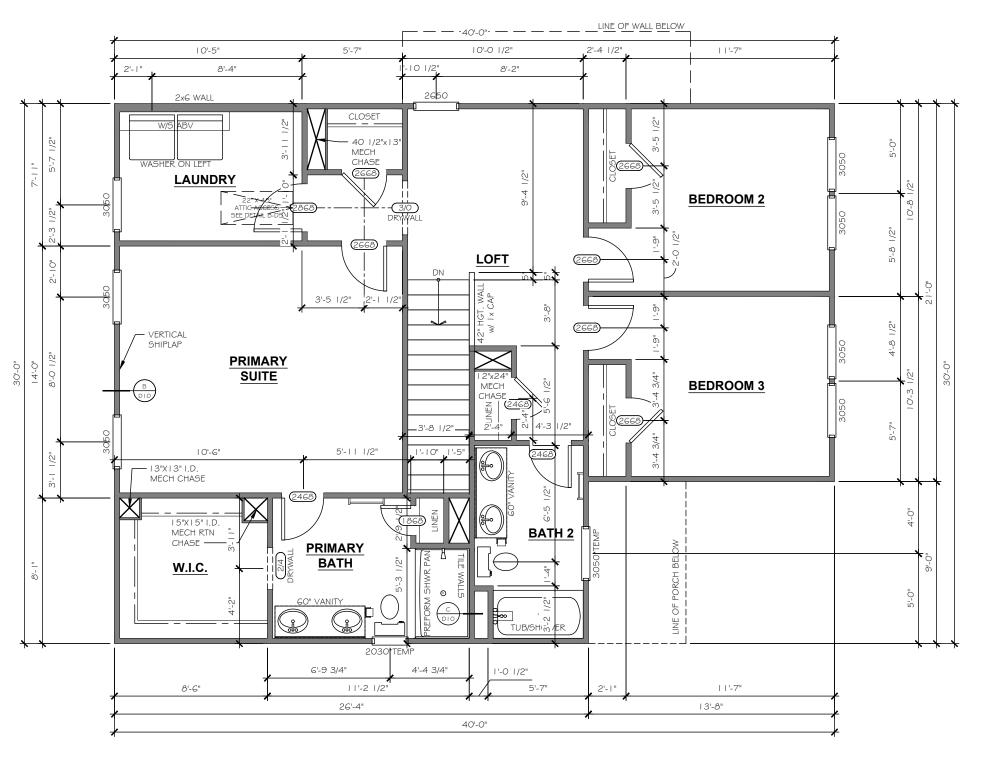
DATE.

08-19-25 SCALE:

3/16"=1'-0"
REVIEWED BY:

NICK

A2.1



1720 - SECOND FLOOR PLAN

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LOT# 190

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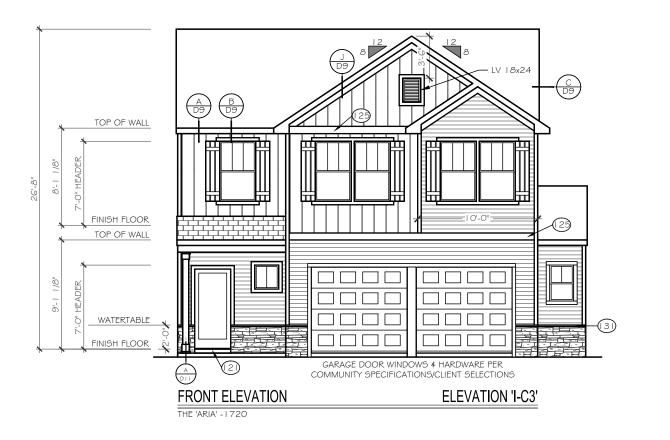
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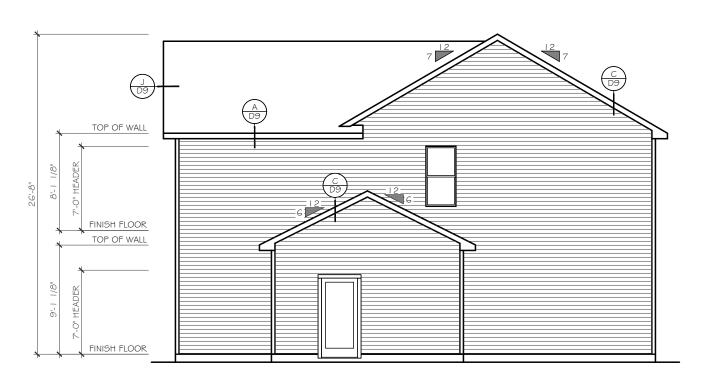
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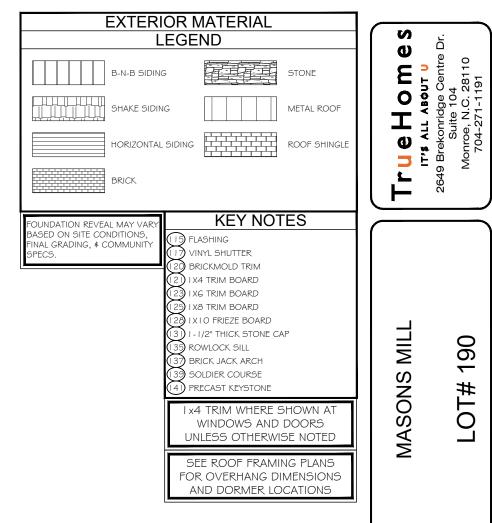
SCALE: 3/16"=1'-0" REVIEWED BY:

A2.2

NICK







MASONS MILL LOT# 190

HARNET ARIA 1720

PREPARED BY:

JORDAN

DATE:

08-19-25 SCALE:

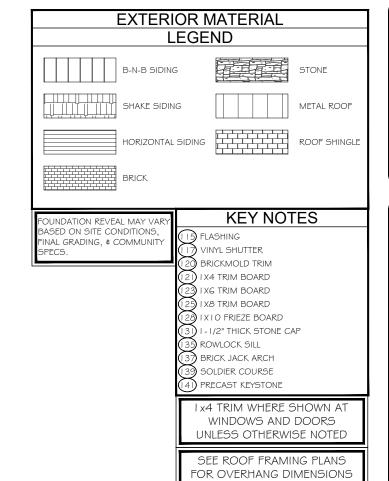
1/8"=1'-0"

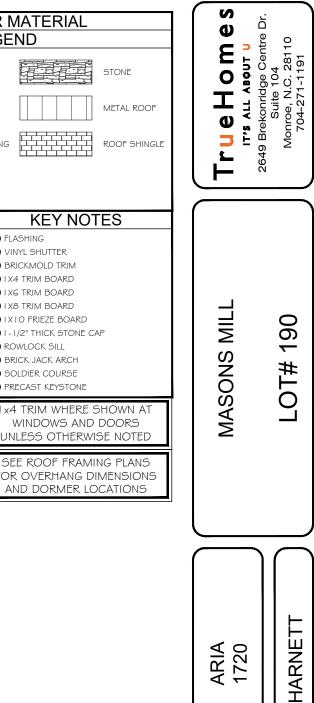
REVIEWED BY: NICK

A3.1

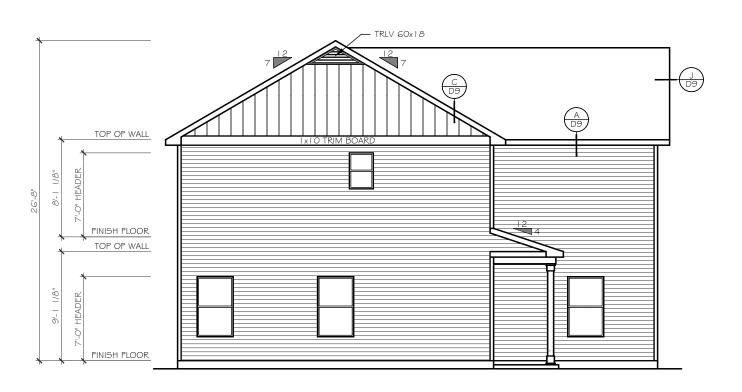
RIGHT ELEVATION







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LEFT ELEVATION

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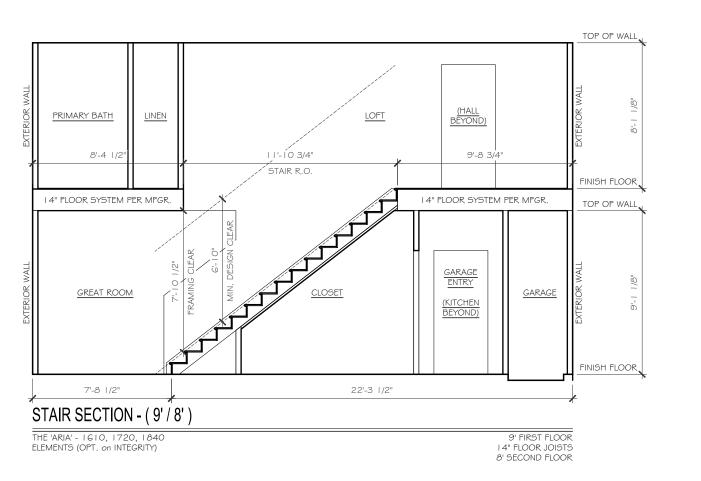
DATE:

SCALE:

1/8"=1'-0" REVIEWED BY:

NICK

A3.2



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MASONS MILL

LOT# 190

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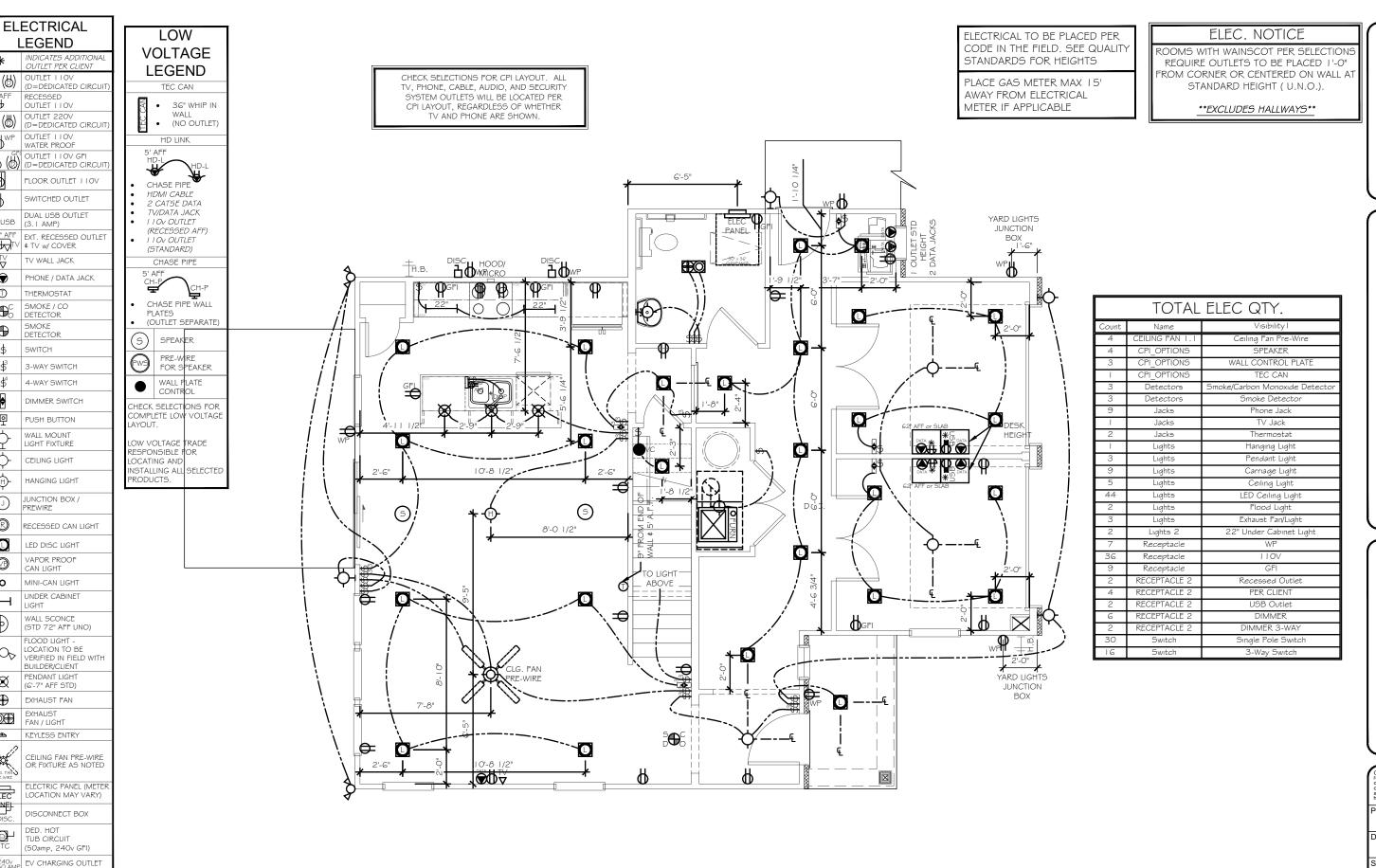
DATE:

08-19-25 SCALE:

AS SHOWN REVIEWED BY:

A4.1

NICK



1720 - FIRST FLOOR ELECTRICAL PLAN

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ELEC PANE

101

(50amp, 240v GFI)

AND I IOV OUTLET

ISP CONDUIT CHASE PIPE WBRUSH PLATE 2649 Brekonridge Centre Dr. Suite 104 Monroe, N.C. 28110 704-271-1191

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MASONS MIL

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HARNE ARIA 1720

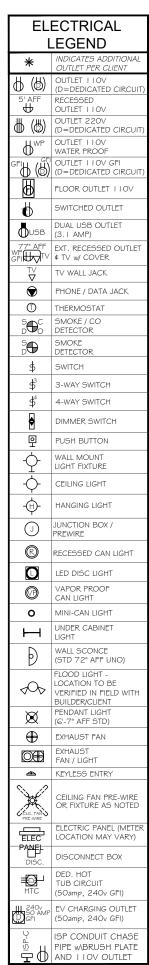
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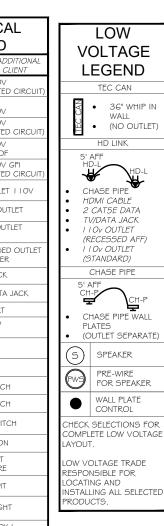
JORDAN

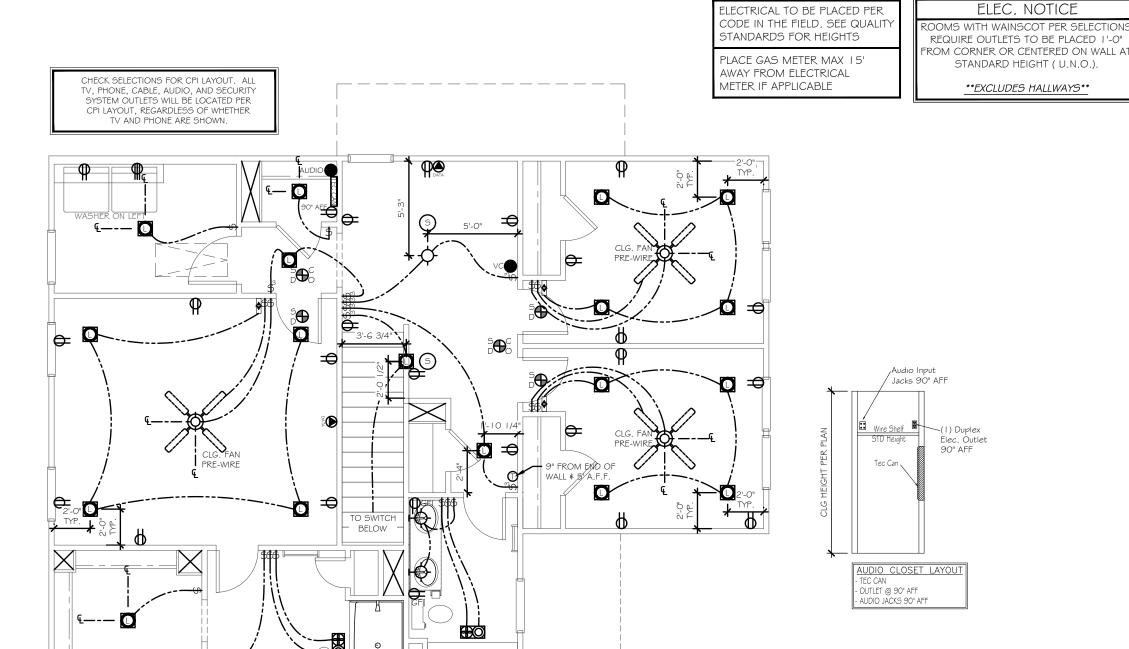
DATE

08-19-25 SCALE:

3/16"=1'-0" REVIEWED BY: NICK







1720 - SECOND FLOOR ELECTRICAL PLAN

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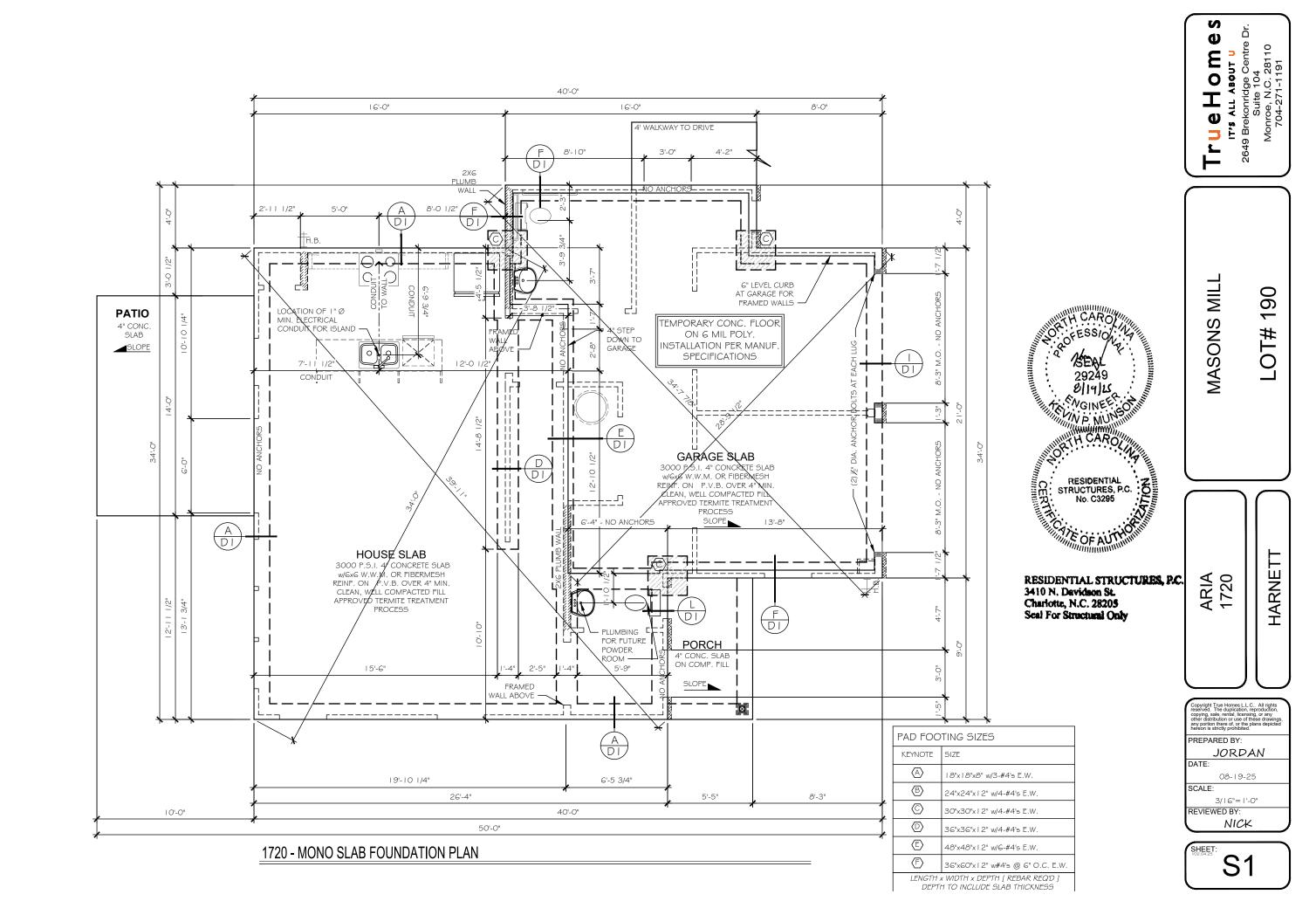
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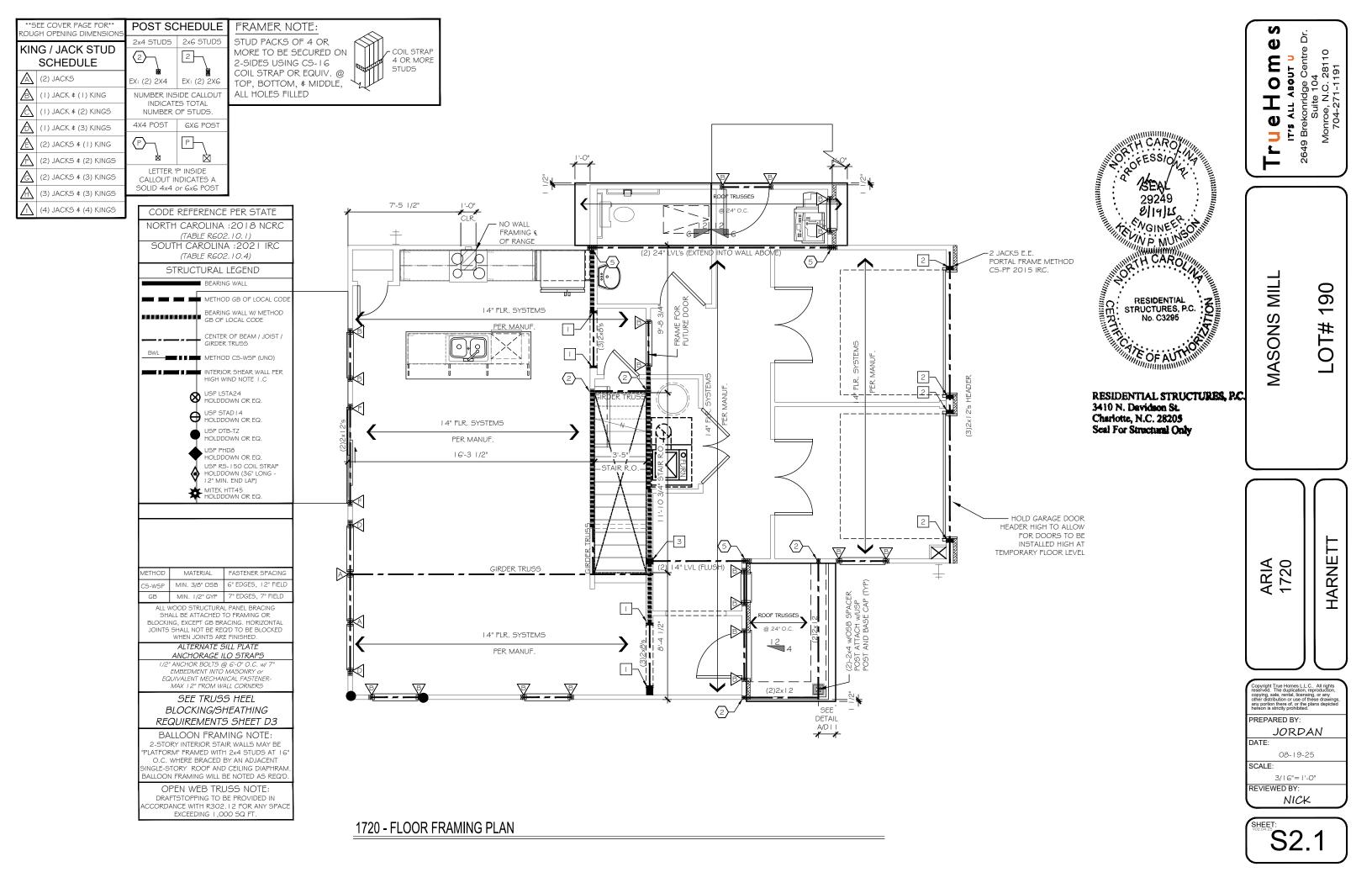
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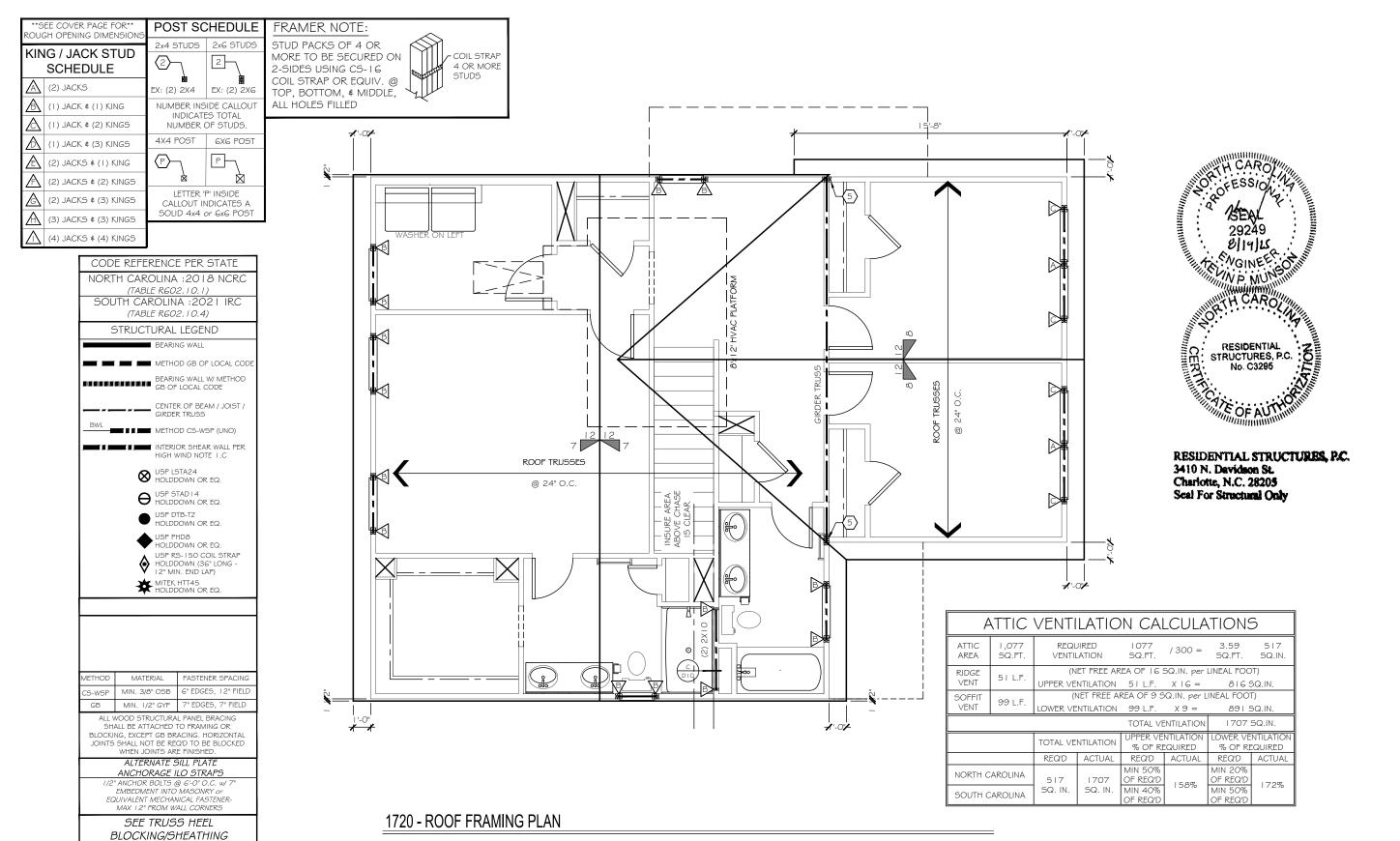
3/16"=1'-0"
REVIEWED BY:

NICK

E1.2







REQUIREMENTS SHEET D3

BALLOON FRAMING NOTE:

2-STORY INTERIOR STAIR WALLS MAY BE

PLATFORM" FRAMED WITH 2x4 STUDS AT 16 O.C. WHERE BRACED BY AN ADJACENT

NGLE-STORY ROOF AND CEILING DIAPHRAM

OPEN WEB TRUSS NOTE: DRAFTSTOPPING TO BE PROVIDED IN CCORDANCE WITH R302.12 FOR ANY SPACE EXCEEDING 1.000 SQ FT.

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> **MASONS MIL** 90 #10

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DATE

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NICK

S3.

JS WALL FOOTINGS ARE 8" X | 2" FOR ONE-STORY AND 8"X | 6" FOR TWO-STORY HOUSES UNLESS OTHERWISE NOTED, REINFORCING IS TO BE AS NOTED ON PLANS. FOOTINGS ON ORIGINAL SOIL DO NOT NEED REBAR. REBAR IS REQUIRED ON ANY COMPACTED FILL REGARDLESS OF COMPACTION.

ALL INTERIOR PIERS ARE 8" X I 6" CMU UP TO A MAXIMUM HEIGHT OF 32". ALL PIERS OVER 32" HIGH MUST BE FILLED WITH TYPE S MORTIAR. MAXIMUM HEIGHT FOR 8"X 16" FILED PIER IS 6-8". PIERS LARGER THAN 8"X 16" ARE NOTED ON PLANS AND MUST BE FILLE
WITH TYPE S MORTAR. FOR ONE-STORY STRUCTURES, PIER CAPS ARE TO BE 4" SOLID MASONRY. FOR TWO-STORY STRUCTURES, PIER CAPS ARE TO BE 8" OF SOLID MASONRY

CALD ARE TO BE 8 OF SOLID MIACONNI.
FOOTINGS FOR 8" X 1.6" PIERS ARE 24" X 36" X 1.0" LINIESS NOTED OTHERWISE REINFORCING IS TO BE AS NOTED ON PLANS

I TOUTINGS FOR A X TO FILES ARE 24 X SO X TO DINESS NOTED THE WINDL. RUINFORCING IS TO BE AS NOTED ON PLANS. 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. ALL REBAR SPLICES SHALL BE A MINIMUM OF 2"-O" UNLESS OTHERWISE NOTED.

SHALLOW FOUNDATIONS ARE DESIGNED FOR AN ASSUMED SOIL BEARING CAPACITY OF 2 OOD PSE. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER OF RECORD IF ANY SOILS ARE FOUND TO BE LINGUITABLE 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-698).

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

TING 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 ACCURATELY PLACED AND SUPPORTED TO MAINTAIN THEIR POSITION DURING THE CONCRETE POURING. EDGE FORMS SHALL BE USED FOR CONCRETE

I HAI WILL BE EXPOSED.

ALL SLAB PENETRATIONS ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR. PENETRATIONS INTERFERING WITH REINFORCING SHALL BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO THE PLACEMENT OF CONCRETE.

DELEVATIONS 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

PECIAL FOUNDATION CONSIDERATIONS: I 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 13' DEEP IS SUITABLE FOR A CAISSON FOUNDATION. A CAISSON CANNOT BE USED IF WATER RISES IMMEDIATELY INTO A DRILLED HOLE. PILES WILL HAVE TO BE USED IN SUCH CASES.

TREATED WOOD PILES WITH A MINIMUM DIAMETER OR 6" AND A MINIMUM DESIGN LOAD OF SIX TONS ARE USED FOR ALL FOUNDATION.

WITH UNSUITABLE SOIL DEEPER THAN 13' OR WITH WATER IN DRILLED CAISSON HOLES. DRIVE PER NORTH CAROLINA OR SOUTH CAROLINA

CODE.) SIZES AND REINFORCING FOR FOOTING CAPS OVER CAISSONS OR PILES SHALL BE AS SHOWN ON PLANS.) CHIMNEY FOOTINGS ARE TO BE 12" LARGER THAN THE CHIMNEY FOOTPRINT BY 12" THICK.) FOUNDATION WALLS BACKFILLED WITH DIRT WHICH SUPPORT STRUCTURAL FRAMING SHALL BE CONSTRUCTED AS FOLLOWS:

) FOR EARTH FILL UP TO A MAXIMUM HEIGHT OF 4': USE 8" CMU OR 8" BRICK WITH BITUTHENE MEMBRANE WATERPROOFING ON EXTERIOR. FOOTINGS ARE TO BE 8" X 16" OR 8" X 24" AS NOTED ON THE PLAN.

FOUTINGS ARE TO BE 8°X 16° OR 8°X 24° AS NOTED ON THE PLAN.
FOR EARTH FILL 4'TO A MAXIMUM HEIGHT OF 9': USE 8°X 24" FOOTING WITH #4 AT 16" DOWELS HOOKED IN FOOTING AND PROJECTING
18" ABOVE FOOTINGS. USE 12" CMU WALLS WITH #4 AT 16" VERTICAL BARS LOCATED 4" FROM NON-DIRT FILL FACE, LAP ALL SPLICES 12"
AND USE DUR-O-WALL HORIZONTAL REINFORCING EVERY 8" IN CMU JOINTS. INSTALL 1-#3 L-BAR WITH 24" LEGS IN EVERY OTHER JOINT

MORIZONTALLY 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 PSI CONCRETE. INSTALL WATERPROOF BITUTHENE MEMBRANE OR EQUAL.

IN LIEU OF THE PRECEDING DESIGN, BASEMENT WALLS MAY BE CONSTRUCTED IN ACCORDANCE WITH R404. I 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

FOR RETAINING WALLS WITHOUT FRAMING SEE SPECIAL DESIGNS ON DRAWINGS

FRAMING CONSTRUCTION - OTHER THAN ROOF: 1) 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. CRAWL GIRDERS AND BAND WITH 4" CURTAIN WALL AND PIER CONSTRUCTION SHALL BE 2-2 X 10 SOUTHERN YELLOW PINE #2 UNLESS 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

i) 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 TOENAIL INEFFECTIVE. NO END NAILING THROUGH THE GIRDER OR BAND IS PERMITTED

NAILS WILL STAIL AND KAINDLE HE TO KNAIL NICH TO KNOW NAILING HITMOUGH THE GROUP OF BAND 19 FERMITLE).

1) IF DROPPED GIRDERS ARE USED, END LAP ALL JOISTS AND SIDE NAIL EACH WITH A MINIMUM OF 3-16D NAILS AT EACH END OF EACH JOIST. LEDGER STRIPS SHOULD BE SPACED 3" APART AND NAILED WITH 3-16D NAILS AT EACH JOIST END.

11) NAIL MULTIPLE MEMBER BUILT-UP GIRDERS WITH TWO ROWS OF 16D NAILS STAGGERED AT 32" OVC, 2" DOWN FROM THE TOP AND 2" UP FROM THE BOTTOM WITH 3-16D NAILS AT EACH END OF EACH PIECE IN THE JOIST THROUGH THE MEMBERS MAKING UP THE

MULTIFLE GIRDLE.

N) 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 TI 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.

B) AT ALL GIRDERS WHERE THE IDISTS CHANGE DIRECTION INSTALL BRIDGING AT 6' O/C FOR A MINIMUM OF SIX IDIST SPACINGS BEYOND MY JOIST DIRECTION CHANGE. THIS WILL INSURE SHRINKAGE DISTRIBUTION OVER THE FLOOR AND NOT LET IT ACCUMULATE AT THI

(C) THERE MUST BE WOOD BLOCKING THRU BOLTED TO THE STEEL BEAM WITH JOISTS TOENAILED OR ATTACHED TO THE BEAM WITH METAL HANGERS UNDER ANY HARDWOOD FLOORS THAT PASS OVER A STEEL BEAM SUPPORTING FLOOR JOISTS. THIS CONDITION OFTEN EXISTS OVER BASEMENT AREAS

MASONRY LINTELS:

FOR SPANS UP TO 61: USE 3 1/2" X 3 1/2" X 1/4" STEEL ANGLES

B) FOR SPANS FROM 6" TO 10": USE 5" X 3 ½" X 5/16" STEL ANGLES.

C) FOR SPANS FROM 9" TO 18": USE A PAIR OF 9-GAUGE WIRES IN EACH OF THE FIRST 3 COURSES OF BRICK ON A 5" X 3 ½" X 5/16" STEL ANGLE. LAP ALL 9-GAUGE WIRE SPLICES A MINIMUM OF 12" AND EXTEND WIRES A MINIMUM OF 12" INTO JAMBS. TEMPORARILY SUPPORT THE STEEL ANGLES BEFORE LAYING MASONRY. THE SHORING MAY BE REMOVED FIVE DAYS FOLLOWING THE INSTALLATION OF

MASONRY.

D) 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 SUDING 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.

IFTERIALS SPECIFICATIONS

WHERE OTHERWISE NOTED, FOR ALL CONCRETE, THE PROPORTIONS OF CEMENT, AGGREGATE, AND WATER TO ATTAIN REQUIRED PLASTICITY AND COMPRESSIVE STRENGTH SHALL BE IN ACCORDANCE WITH ACI 3 L8 CODE. CONCRETE SHALL BE 2,500 PSI IN 28 DAYS FOR FOOTINGS AND 2,500 PSI FOR WALLS, BEAMS, AND COLUMNS, UNLESS NOTED OTHERWISE.

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 ACI 3 I 8 AND ASTM C94 REQUIREMENTS.
PUMPING OF CONCRETE WILL BE PERMITTED ONLY WITH THE ENGINEER OF RECORDS APPROVAL. OF PROPOSED CONCRETE MIX AND METHOD
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
CONCRETE SHALL BE PLACED UPON CLEAN, DAMP SURFACES. VIBRATION SHALL BE APPLIED DIRECTLY TO THE CONCRETE AND SHALL BE
SUFFICIENT TO CAUSE FLOW OF SETTLEMENT BUT NOT LONG ENOUGH TO CAUSE SEGREGATION OF THE MIX.

1) CONSTRUCTION JOINTS, SHALL BE LOCATED IN ACCORDANCE WITH ACI 301 ALL PRIPAGPORE AS THE LABLE FOOTINITIONS APPOSE

CONSTRUCTION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH ACL 30 L. ALL REINFORGING STEFL 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 DAME OF THE SAME O CONCRETE HAS CURED.

CONCRETE WHEN DEPOSITED SHALL HAVE A TEMPERATURE NOT BELOW 50°F AND NOT ABOVE 90°F. THE METHODS AND RECOMMENDED PRACTICES AS DESCRIBED IN ACI 306 SHALL BE FOLLOWED FOR COLD WEATHER CONCRETING AND ACI 305 FOR HOT WEATHER

FRESHLY PLACED CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING BY ONE OF THE FOLLOWING METHODS:

) PONDING OR CONTINUOUS SPRINKLING. ABSORPTIVE MAT OR FABRIC KEPT CONTINUOUSLY WET

1) RODON THE MIN TO READ RELECTION THE PROPERTY.

1) MATERPROOF PAPER CONFORMING TO ASTM C.1.7 I
1) APPLICATION OF AN APPROVED CHEMICAL CURING COMPOUND.

1) HE 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 IN JURY LOAD STRESSES. SHOCK VIBRATION OR DAMAGE

EINFORCING STEEL BARS SHALL BE DEFORMED IN ACCORDANCE WITH ASTM A305 AND OR A408 AND FORMED OF ASTM AG I 5-78 GRADE GO STEEL. WELDED WIRE FABRIC REINFORCING TO BE ASTM AI 85 STEEL WIRE. ACCESSORIES SHALL CONFORM TO THE CRSI "MANUAL OF STANDARD PRACTICE." THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED OVER REINFORCING BARS:

EXPOSED TO FARTH S) EXPOSED TO WEATHER

S) SLABS NOT EXPOSED TO WEATHER) BEAMS AND COLUMNS

GENERAL NOTES

WITH THE PROVISIONS OF ACL 530

HOLLOW LOAD BEARING UNITS: ASTM COO MADE WITH LIGHTWEIGHT OR NORMAL WEIGHT AGGREGATES. GRADE N.-LUNITS SHALL B

CONCRETE BUILDING BRICK: ASTM C55 MADE WITH LIGHTWEIGHT OR NORMAL AGGREGATES. GRADE N-LOR S-LEXCEPT THAT BRICK

CONCRETE DITIONAL STANDARD WITH DISTINUTION NORMAL AGREEMENT, GRADE MILE OF A EXCELLITATION 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 IS 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 TOLERANCE FOR THE DISTANCE BETWEEN THE FACE OF THE CONCRETE MASONRY UNIT AND THE CENTER OF THE BAR SHALL NOT EXCEED ± 1/2". MORTAR PROTRUSION SHALL BE LESS THAN 1/2" A PROTRUSION OF 1/2" OR GREATER MUST BE REMOVED BEFORE GROUTING

MORIZONTAL JOINT REINFORCEMENT: ASTM A82 FABRICATED FROM COLD DRAWN STEEL WRE AND HOT DIP ZINC COATED (ASTM A153). IT SHALL CONSIST OF TWO OR MORE PARALLEL, LONGITUDINAL WIRES 0.1875" IN DIAMETER WITH WELD-CONNECTED CROSS WIRES 0.1483" IN DIAMETER AT 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" FEFCUTION: MASONRY UNITS SHALL BE LAID IN A RUNNING BAND PATTERN UNIESS NOTED OTHERWISE. THE WALLS SHALL BE CARRIED UP

LEVEL AND FULLIMB WITHIN THE TOLERANCES SPECIFIED IN ACI 530, I-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 CITTOTY 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 PSI AND SLUMP RANGE OR 8° TO 11". 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 FOOT 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.

10) WHERE PARTITIONS FALL BETWEEN FLOOR JOISTS OR TRUSSES, 2 X 4 LADDERS AT 16" O/C MUST BE PLACED PERPENDICULAR TO THE

TRUSSES TO SUPPORT THE PLYWOOD DECKING. THE LADDERS SHALL BE SUPPORTED WITH SIMPSON "7" 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

12) ALL STEEL COLUMNS WHERE STEEL COLUMNS BEAR ON CONCRETE OR MASONRY, UNLESS OTHERWISE NOTED, A 5/8" X 6 1/2" X 6 1/2" OR 5/8" X 3 1/2" X 8" BASE PLATE SHALL BE USED TO SPREAD THE COLUMN LOAD ACROSS THE BEARING SURFACE. BASE PLATES SHALL BE BOLTED WITH AT LEAST TWO 2" DIAMETER ANACHOR BOLTS OR EXPANSION BOLTS TO CONCRETE OR MASONRY.

13) UNLESS NOTED OTHERWISE ON PLANS, ALL EXTERIOR FACING WALL STUDS TALLER THAN 10" SHALL BE CONSTRUCTED AS FOLLOWS:

WALLS 10' TO 12' HIGH: BALLOON FRAME 2 X 4 STUDS AT 12" O/C WITH 1/2" OSB SHEATHING AND 3 KING STUDS ON EACH SIDE OF EACH OPENING NAILED SECURELY TO 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 2-1 1/2" X 5 1/4" LVL 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 4 INTO THE READLE.

GABLE END WALLS OR ROOMS WITH VAULTED CEILING JOISTS: BALLOON FRAME WALL AND PROVIDE TRIPLE KING STUD ON EACH SIDE OF OPENINGS, NAILED SECURELY TO THE HEADER.

TWO-STORY HIGH FOYER WALLS LESS THAN 9' WIDE: EXTEND 3 1/2" X 9 1/4" 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 FIRST 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.

LISS JOWER STUD WALLS FOR BUILDINGS OVER TWO STORIES BUT NOT MORE THAN THREE STORIES"

LOAD BEARING

NON LOAD BEARING

2 X 4 @ 12" O/C EXTERIOR WALLS
USE 2 X G 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.

16) HEADERS SHALL BE AS SHOWN UNLESS NOTED DIFFERENTLY ON PLANS: INTERIOR AND EXTERIOR

. 2-2 X 10'5 SPANS 6'6" OR MORE SEE PLAN

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.

18) AT ALL EXTERIOR DIAGONAL WALL PANELS, EACH PANEL SHALL BE NAILED TO EACH ADJACENT PANEL WITH 5-16D NAILS OR TIED TOGETHER

with metal stripping nalled at four locations between floors with a minimum of 2-16D nails into Each Panel at Each strap. This will avoid vertical cracking in Panel Joints Due to Horizontal oscillating Panels.

19) AT ALL STRIPPING NAILED AT FOUR LOCATIONS BETWEEN FLOORS WITH A MINIMUM OF 2-16D NAILS INTO EACH PANEL AT EACH STRAP. THIS WILL AVOID VERTICAL CRACKING IN PANEL JOINTS DUE TO HORIZONTAL OSCILLATING PANELS.

19) AT ALL STRIPPING NAILED AT FOUR LOCATIONS WITH A MINIMUM OF 2-16D NAILS. THIS WILL AVOID CRACKING BETWEEN WALLED AT DO PERSON OF BASE MOLDING DUE TO VERTICAL OSCILLATION OF STARR STRINGERS.

3 studs under L.V.L. beams \$ 2 studs Cracking Between Walled And Top OF Base Molding Due to Vertical Oscillation Of Star Stringers.

20) ROOF TRUSSES THAT HAVE NON-BEARING PARTITIONS PASSING UNDER THEM SHOULD BE NAILED TO THE PARTITION PLATES 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.

TAMINING TO TREVENT CLIBING WALL CHARMING.

22) ALL STRUCTURAL FRAMING 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 1/2" X 24", 18-GAUGE METAL STRAP,

ON A SIMILAR CONNECTOR.
24) ITEM UNCHANGED, BUT MOVED FROM UNDER #14 ON OLD PAGE 2:
NOTE:ALL POINT LOADS 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 CONSTRUCTION TO THE FOUNDATION

WALL BRACING NOTES:

I THIS STRUCTURE HAS BEEN ANALYZED BY A PROFESSIONAL ENGINEER FOR LATERAL LOADING. IT HAS BEEN DESIGNED LISING . THIS STRUCTURE HAS DEEN AWARTZED OF A REAL ESSIONAL ENGINEER FOR EXTERNE LOADING. IT HAS DEEN DESIGNED USING CONTINUOUSLY SHEATHED 7/16" OSB SHEATHING, FASTENED AT 6" O.C. ALONG THE EDGES AND 12" O.C. ALONG THE INTERIOR TO MEET OR EXCEED THE INTENT OF THE 2015 INTERNATIONAL RESIDENTIAL BUILDING CODE. WHERE WALL LINES REQUIRE FURTHER REINFORCEMENT, ADDITIONAL BRACING METHODS, ENGINEERED WALL SECTIONS AND HOLD DOWNS HAVE BEEN INCLUDED TO RESIST THE LATERAL LOADS AND ARE NOTED ON THE PLAN SET

OF CONSTRUCTIONS:

ALL ROOF TRUSSES MUST BE BUILT IN ACCORDANCE WITH TRUSS MANUFACTURERS' REQUIREMENTS. TIE-DOWN CONNECTIONS TO RESIST UPLIFT 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

NA ADDITION TO THE CODE'S FASTENER SCHEDULE, UNLESS NOTED OTHERWISE ON THE PLAN, ROOF MEMBERS SHALL BE TIED DOWN WITH ADDITIONAL METAL CONNECTORS AS FOLLOWS:
 STICK-FRAMED RAFTER MEMBERS EXCEEDING 10' IN LENGTH, AS MEASURED FROM THEIR HORIZONTAL PROJECTION, AND ALL ROOFS

OVER UNENCLOSED AREAS SUCH AS PORCHES USE SIMPSON H2.5 CONNECTORS EVERY 4' OR AT EVERY THIRD RAFTER TO FASTEN

THE LOWER END OF THE RAFTER TO THE TOP PLATE.

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., UNLESS NOTED OTHERWISE. TILE, SLATE AND OTHER HEAVY ROOF COVERINGS SHALL USE 2 X 8 AT 16" O/C SPRUCE-PINE-FUR #2 RAFTERS UNLESS NOTED OTHERWISE.

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 LINLESS 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 HOGS, SPLICE RAFTER HOGS ONLY AT A ROOF BRACE.

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 ROOF AND SHALL FOLLOW THE EXTERIOR WALL STUD SCHEDULE.

9) CEILING JOISTS WHEN ERECTED PARALLEL TO RAFTERS MUST BE SISTERED TO RAFTERS AND NAILED WITH 3-1 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.

ALL ROOF BRACES ARE 2-2 X 4 NAILED WITH 16 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

MAXIMUM SPACING OF ROOF BRACES IS TO BE AS FOLLOWS:

COLUMNS (LSL) & RIMBOARDS

SOUTHERN YELLOW PINE 600 1,600,000

2) ALL STRUCTURAL COMPOSITE LUMBER (LVL. LSL. PSL) IS TO MEET THE FOLLOWING MINIMUM SPECIFICATIONS ,900,000 COLUMNS (ISI) & RIMBOARDSI, 700 1 400 1.300.000

ALL GLUF LAMINATED TIMBER (GLU-LAM) IS TO MEET THE FOLLOWING MINIMUM SPECIFICATIONS 1,700,000

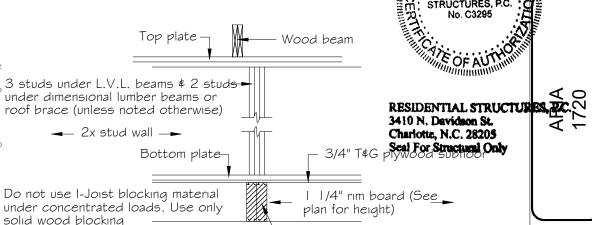
COLUMNS 1 600 1.550 1.500.000 4) OPEN WEB FLOOR TRUSSES: APPLICATION TOP # BOTTOM CHORDS I .9E MSR LUMBER

WHERE THREE OR FOUR-PLY "LAM" BEAMS ARE SIDE-LOADED (JOISTS FRAME INTO THE SIDE AT THE OUTSIDE PLIES), I TOGETHER WITH TWO ROWS OF 1/2" DIAMETER BOLTS AT 16" O/C. THE BOLTS SHALL BE LOCATED A MINIMUM OF 2 1/2" FROM THE TOP OR BOTTOM OF THE BEAM

6) BUILT-UP WOOD COLUMNS CONSISTING OF MULTIPLE STUDS SHALL HAVE EACH LAMINATION NAILED WITH 16D NAILS

1.4E LUMBER

PLANS PERMITTED IN NORTH CAROLINA ARE DESIGNED TO MEET THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING C AS ISSUED BY THE STATE OF NORTH CAROLINA RESIDENTIAL STRUCTURES, P.C.



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 studs as above to bear on beam or foundation below \bot

(2) 2x4 studs laid flat against rim

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

Top plate -

4 17.5 ALL ABOUT U

19.9 Brekonridge Centre C

Suite 104

Monroe, N.C. 28110

704-271-1191

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CARO!

OFFESSION A

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NGINEER

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HARNE

PREPARED BY:

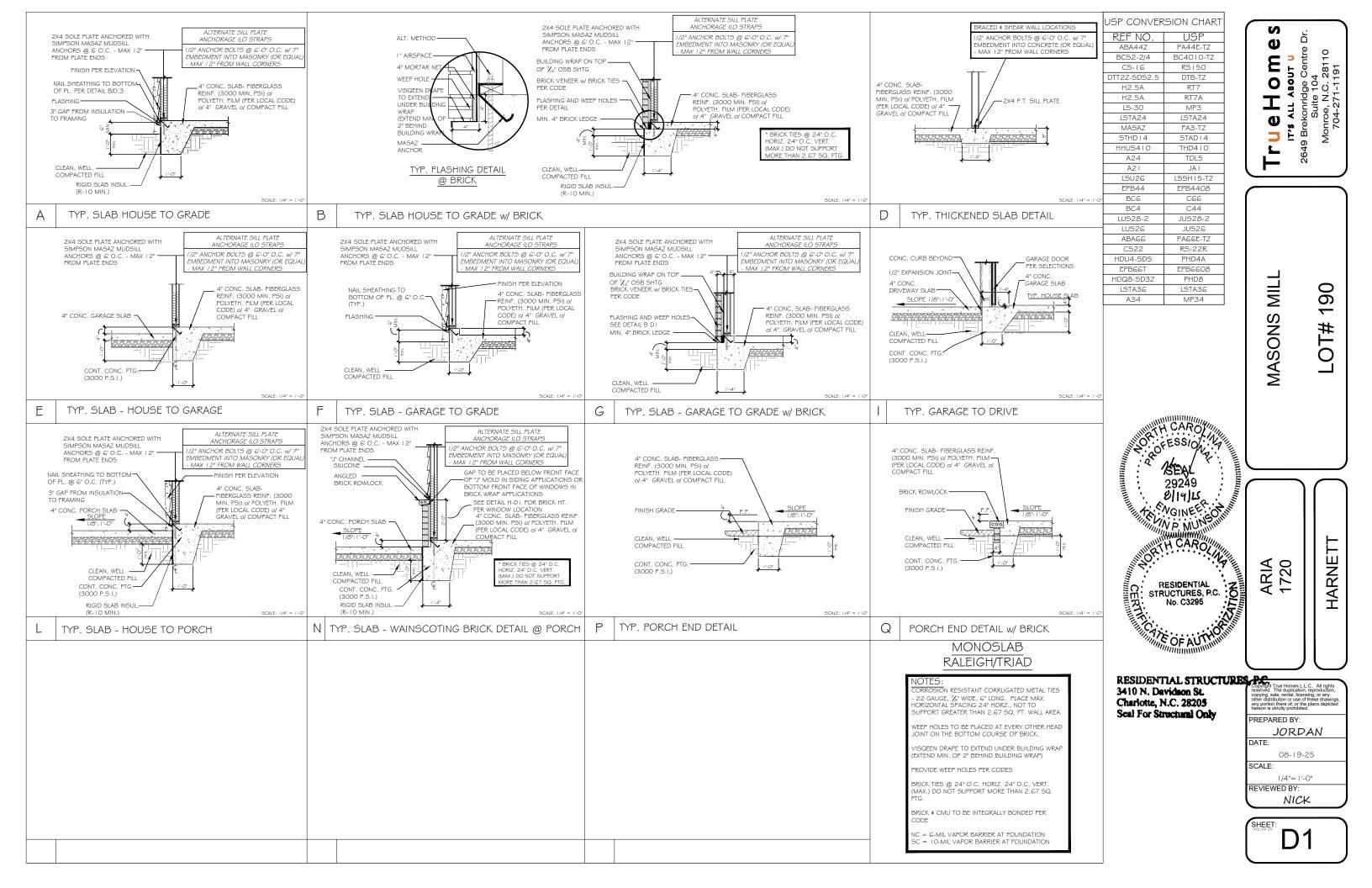
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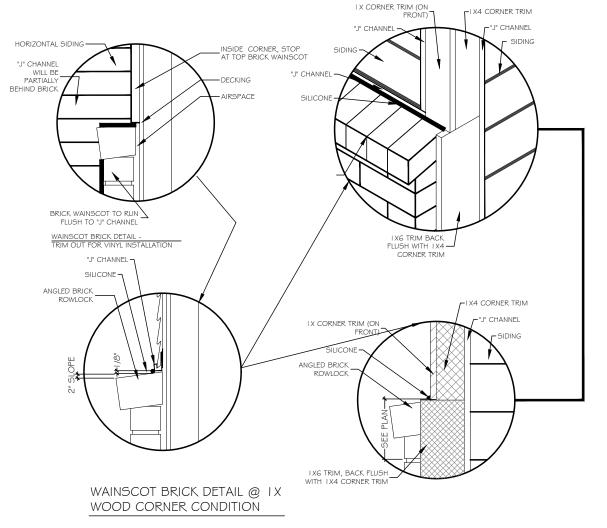
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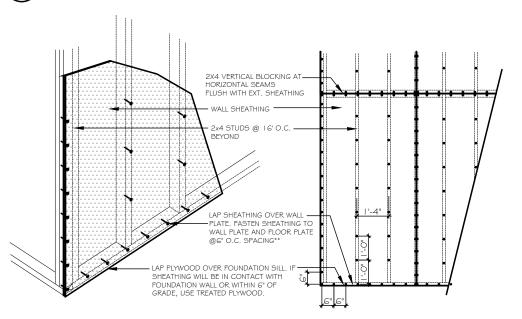
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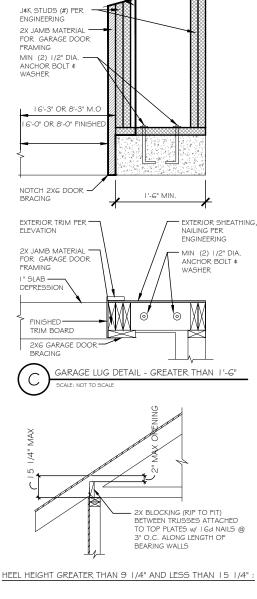
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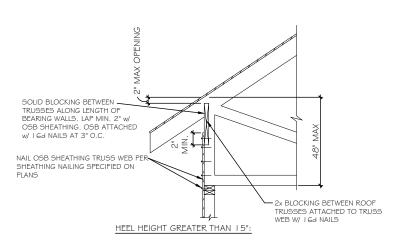
LASHING @ WAINSCOTING BRICK DETAIL



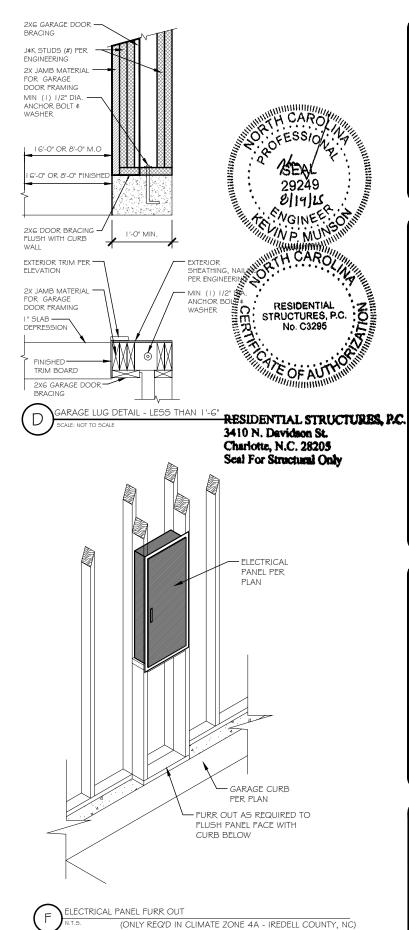


2X6 GARAGE DOOR -

BRACING







TrueHomes IT'S ALL ABOUT U 2649 Brekonridge Centre Dr. Suite 104 Monroe, N.C. 28110 704-271-1191

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TrueH

MASONS MIL

ARIA 1720

PREPARED BY:

REVIEWED BY:

DATE

SCALE:

JORDAN

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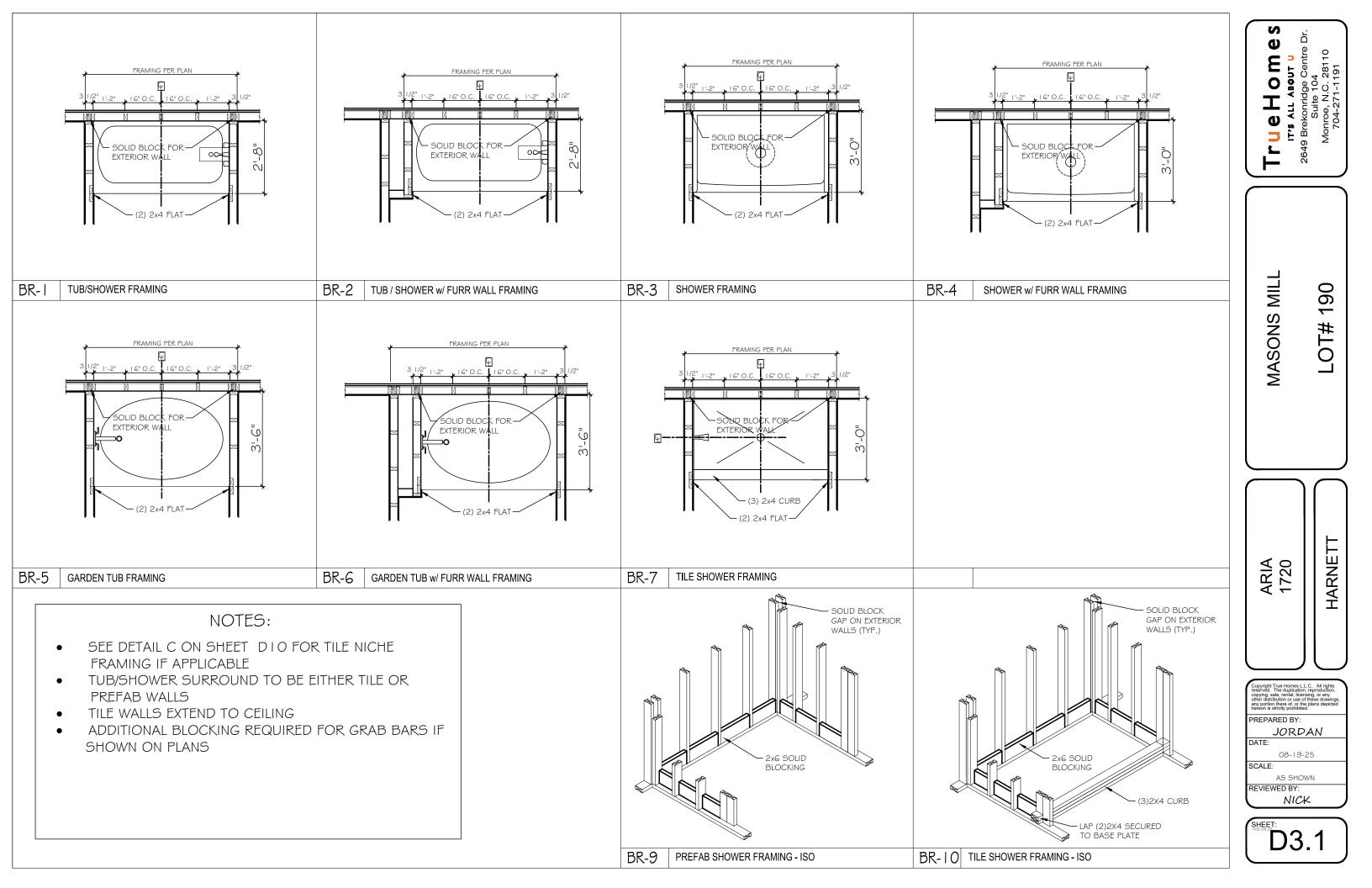
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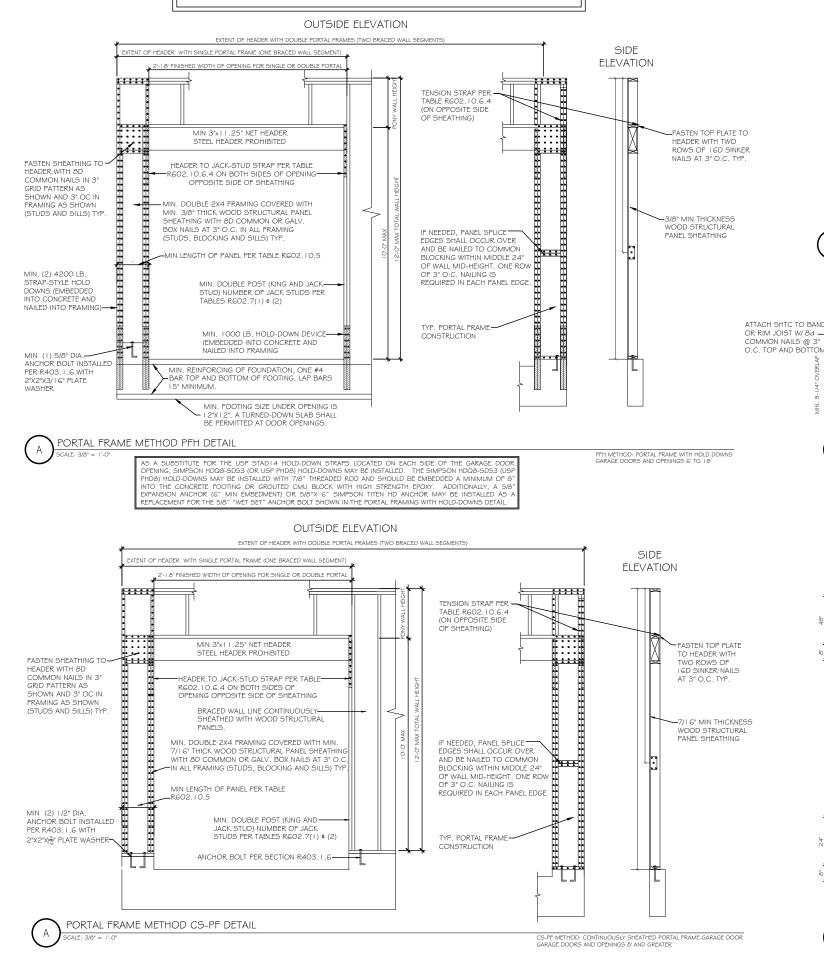
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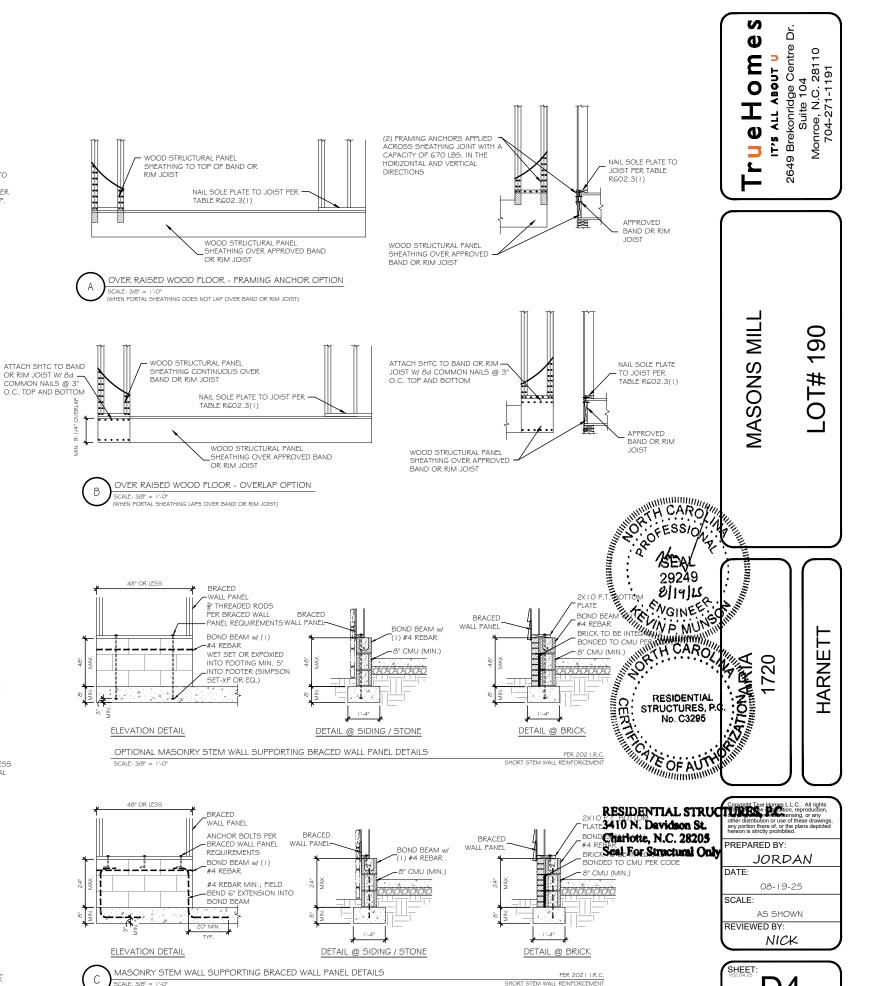
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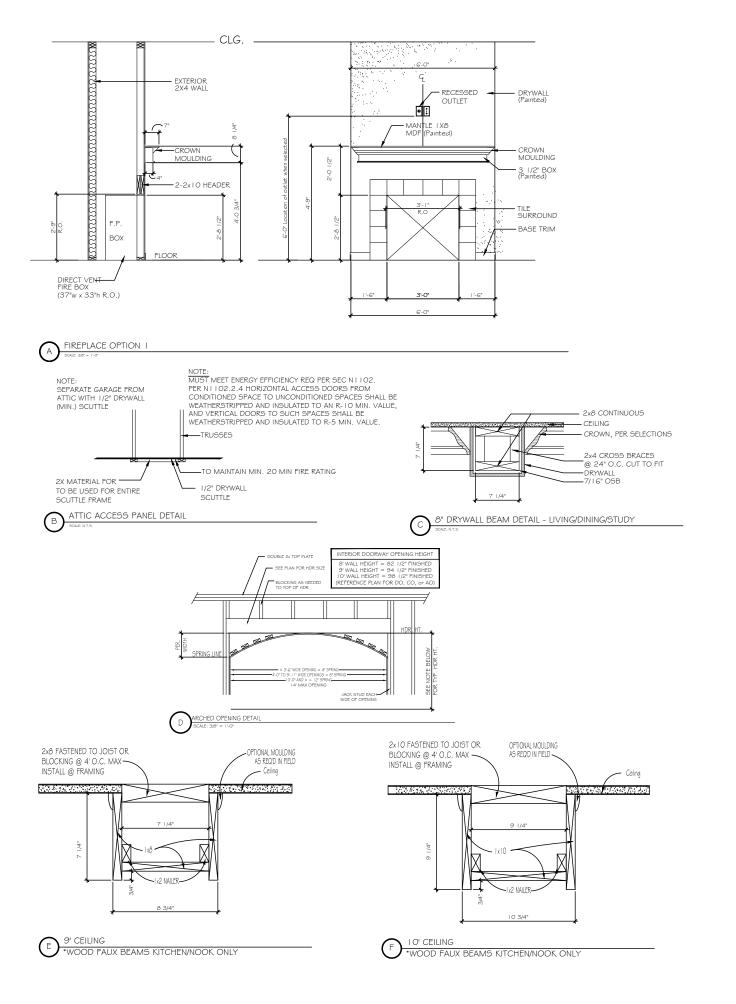
HARNE

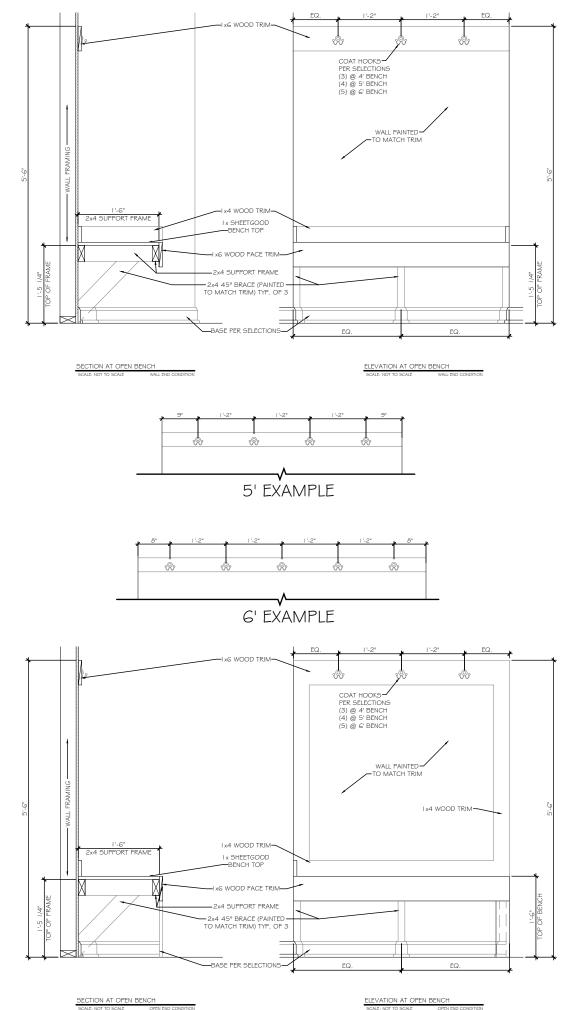


WALL BRACING HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 NCRC AND THE 2021 IRC AS ALLOWED PER SECTION RG02.10 .









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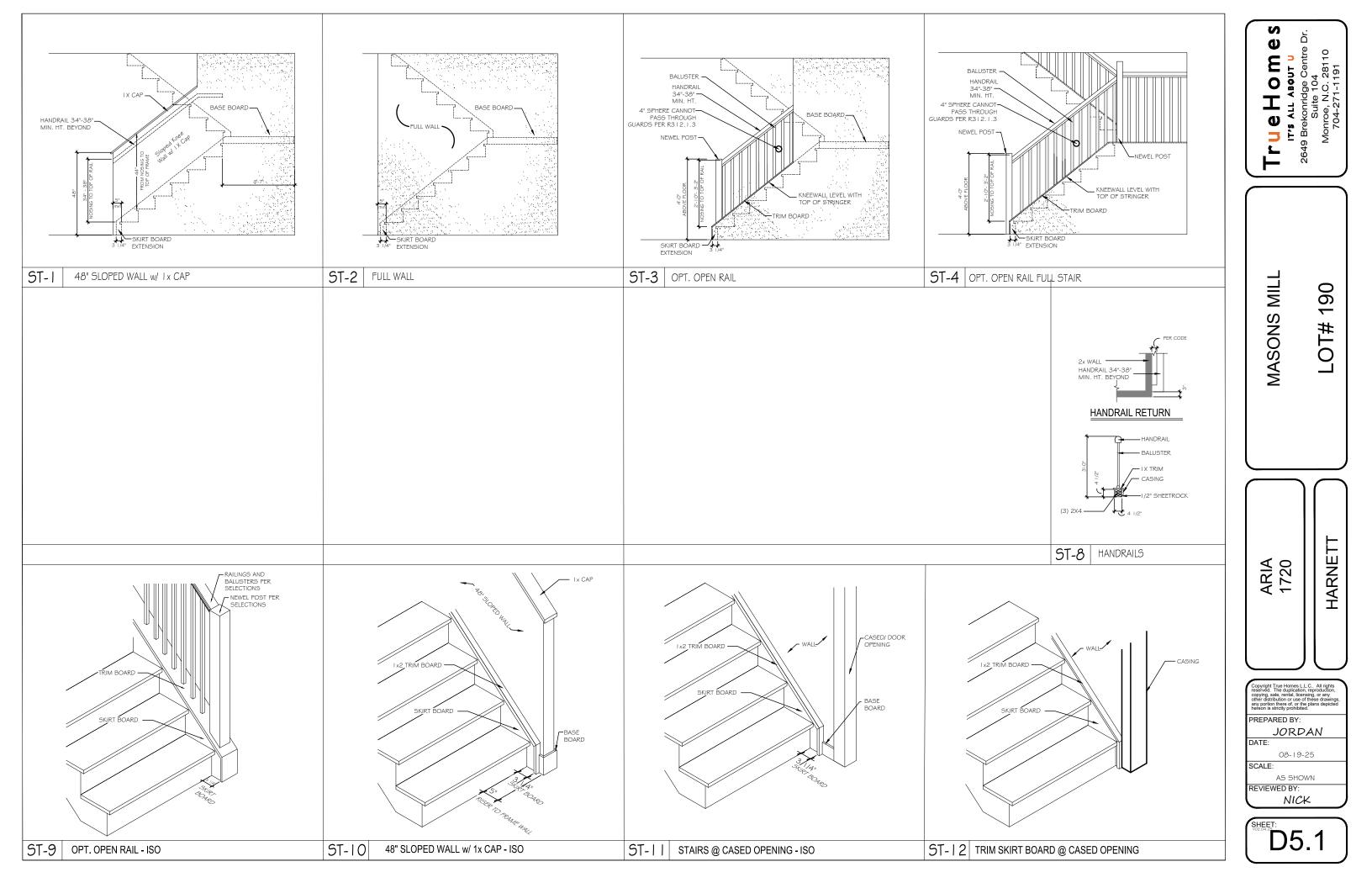
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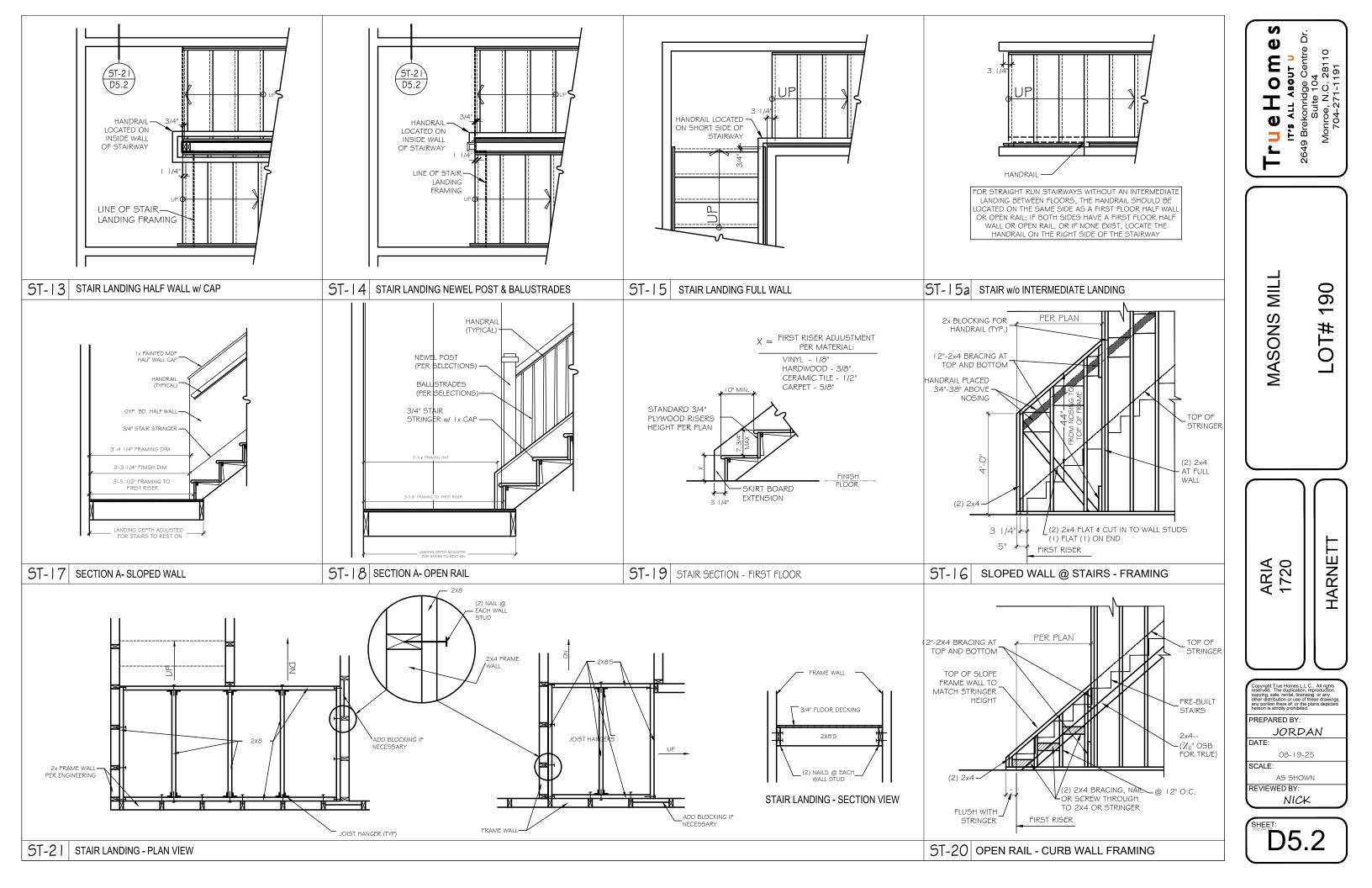
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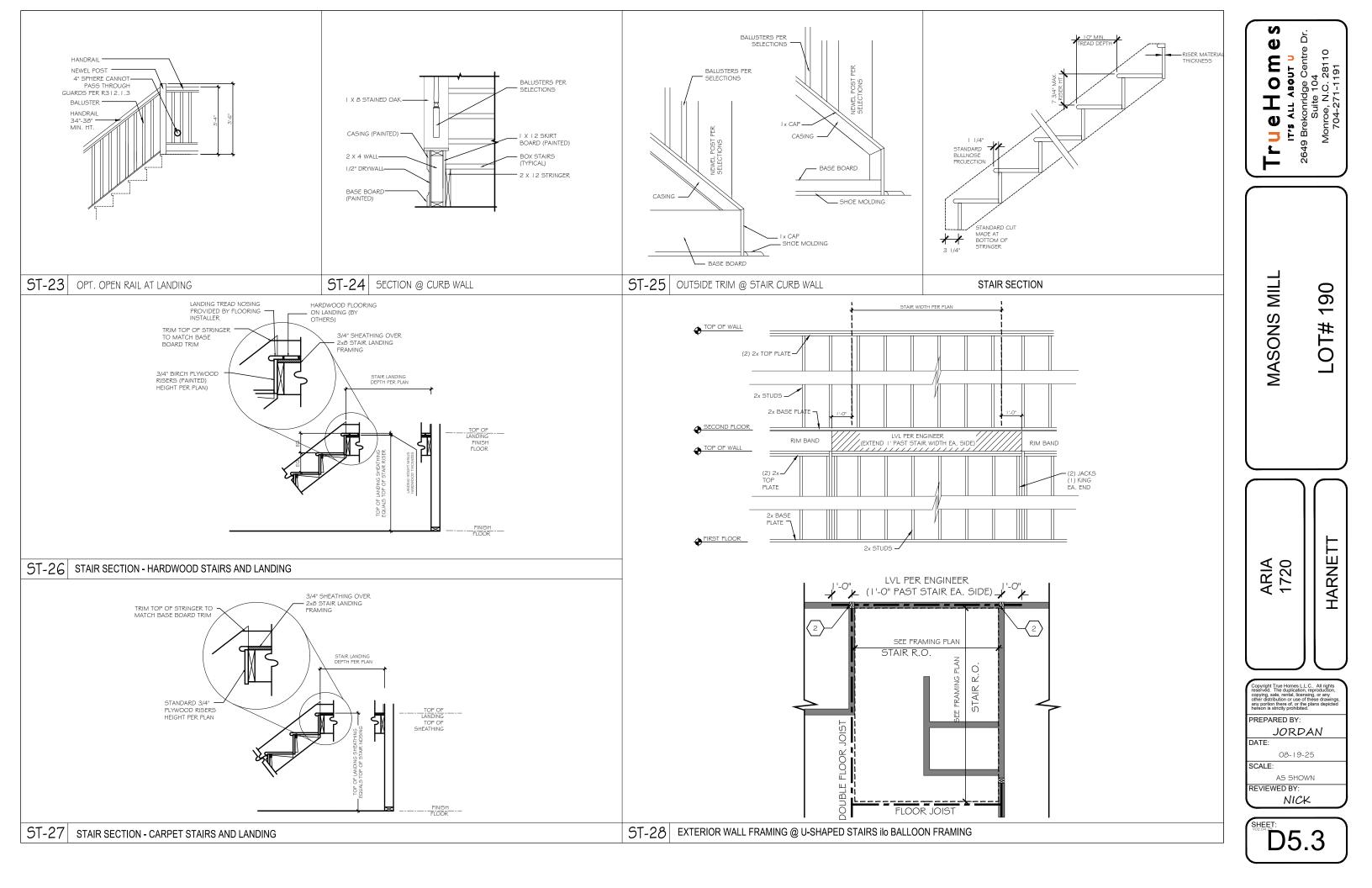
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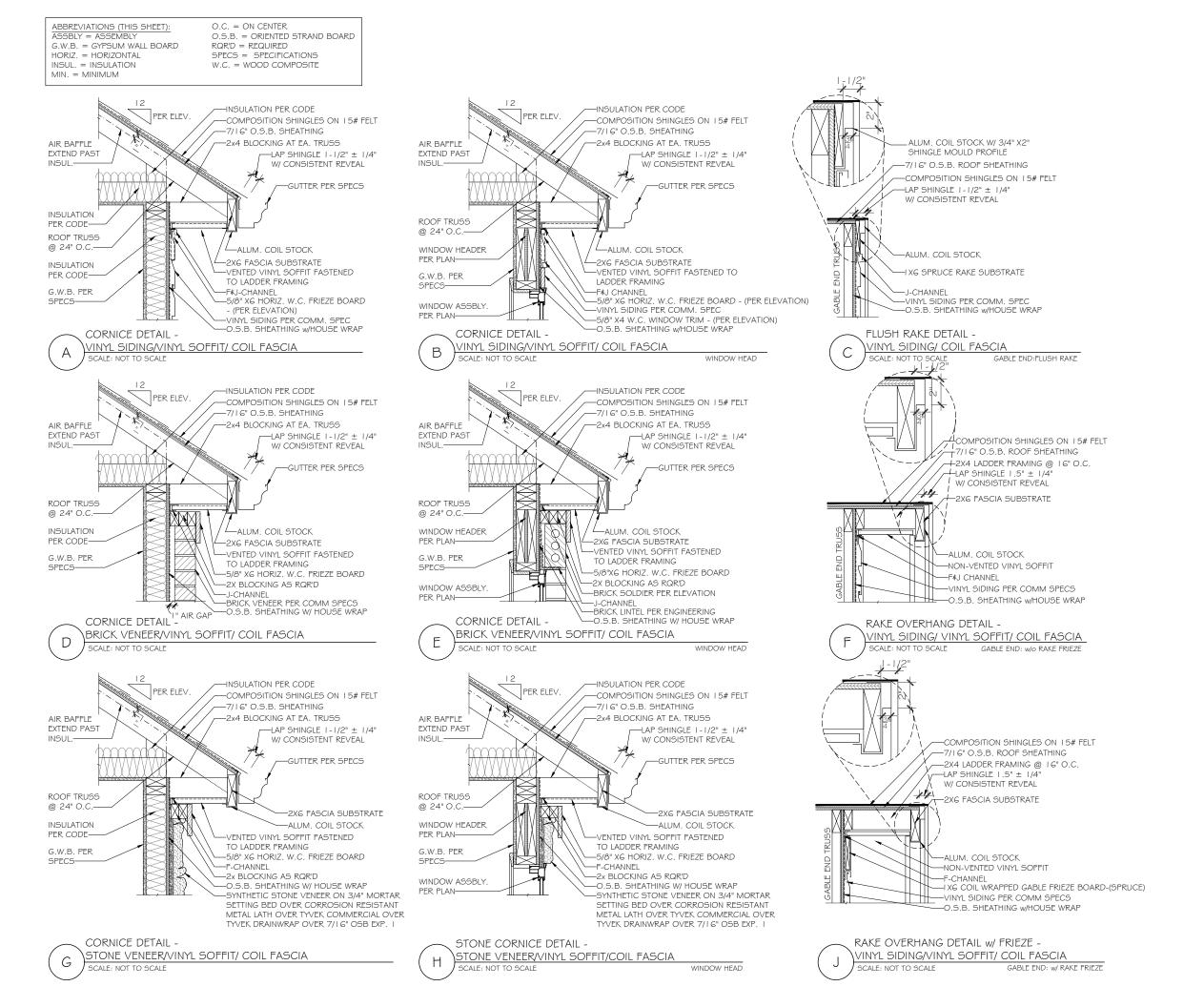
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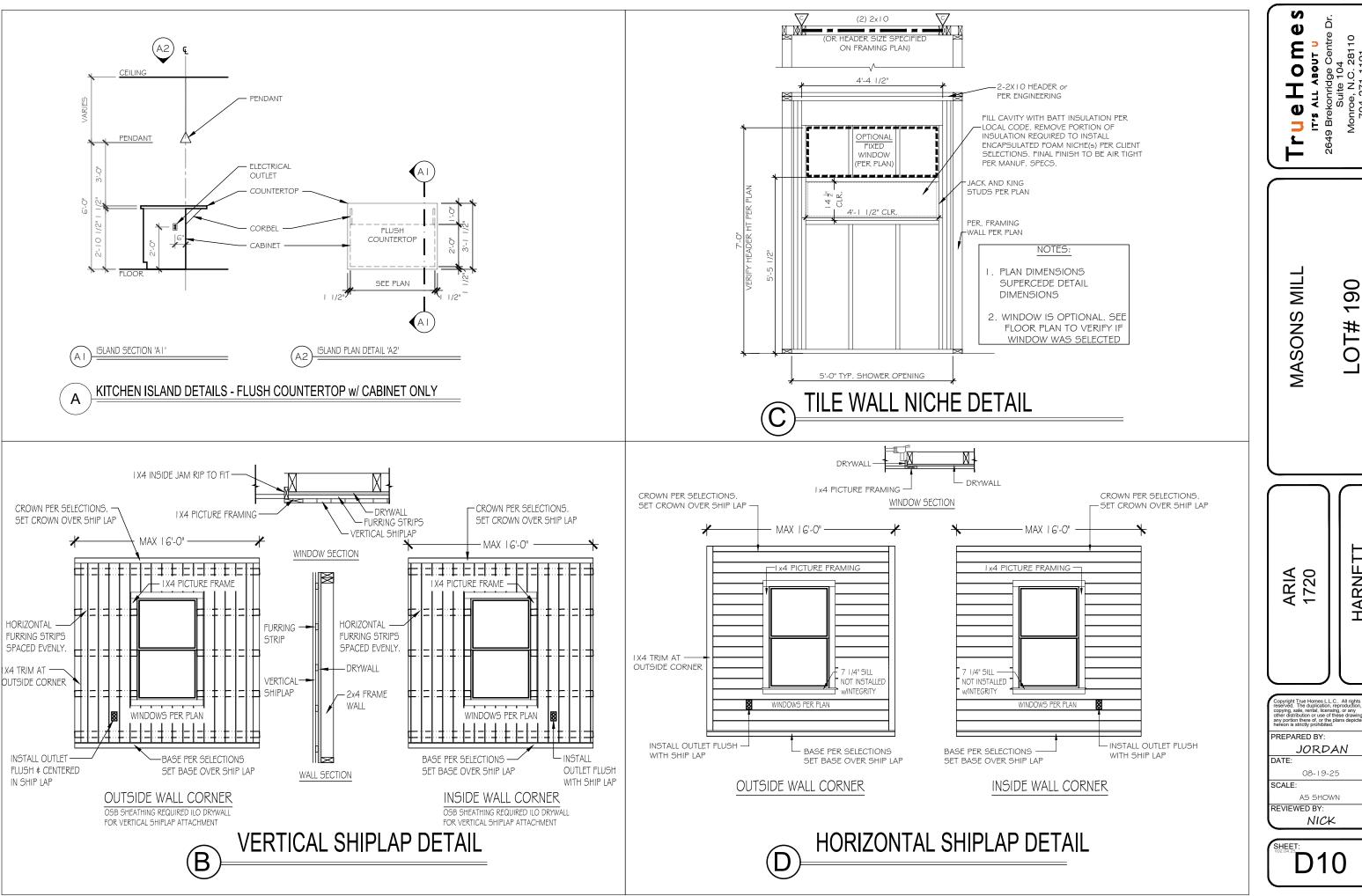
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08-19-25 SCALE:

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