GENERAL NOTES:

- SOIL BEARING CALCULATIONS BASED ON 2000 PSF MIN. REFER TO THE FOUNDATION/FOOTING SCHEDULE.
- BACK FILL SHALL BE FREE FROM VEGETATION AND CONSTRUCTION DEBRIS. BACK FILL SHALL BE PLACED IN LIFTS AND COMPACTED IN SUCH A MANNER AS TO NOT DAMAGE THE FOUNDATION WALLS OR ANY WATERPROOFING/ DAMP PROOFING

- ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD. ALL STUDS ARE 3 1/2" UNLESS NOTED. ALL DIMENSIONS PRESENTED HERE ARE FRAME DIMENSIONS ONLY.
- PROVIDE 1x BLOCKING UNDER ALL EXTERIOR SLIDING DOORS. JOIST HANGERS, WHERE REQUIRED, SHALL BE USED WITHOUT ANGLES
- INSTALL FIRE STOPPING AND/ OR DRAFT STOPPING AS REQUIRED.
- PROVIDE CUTTING, NOTCHING, NAILING REQUIREMENTS PER 2009-IRC SECTIONS

THERMAL & MOISTURE PROTECTION:

- INSTALL FIRE STOPPING AND/ OR DRAFT STOPPING AS REQUIRED.
- ATTIC VENTILATION SHALL BE PROVIDED AT 1/150th OF THE AREA OF THE SPACE VENTILATED, CROSS VENTILATION WITH HALF OF THE VENTILATED AREA SHALL BE PROVIDED BY RIDGE OR GABLE VENTS AND THE OTHER HALF BY EAVE OR CORNICE VENTS. VENTS SHALL BE PLACED SO AS TO NOT ALLOW INFILTRATION OF RAIN OR
- PROVIDE APPROVED TILE BACKER BOARD FOR ALL SHOWER AND BATH SPACE.
- PROVIDE ICE-SHIFLD PER CODE
- ROOF VENTING TO BE PROVIDED AS SHOWN. SOFFIT, RIDGE, AND OTHER ROOF VENTS TO BE INSTALLED AS NOTED ON THE DRAWINGS & AS PER MANUFACTURERS

DOORS & WINDOW

- WINDOW CALL OUT PER PLAN. VERIFY WINDOW MANUFACTURER WITH PROJECT
- REVIEW ALL WINDOW HEADER HEIGHTS PER PLATE HT. AND VERIFY W/ ELEVATIONS AND CORNICE DETAILS.
- TEMPERED GLASS SHALL BE USED IN ALL HAZARDOUS AREAS.
- FRONT DOOR WIDTH AS REQUIRED BY CODE
- GARAGE DOOR AS REQUIRED BY CODE.
- EMERGENCY SLEEPING ROOMS SHALL HAVE AT LEAST ONE EGRESS OPENING OF NOT LESS THAN 5.7 SF AND A CLEAR OPENING OF NOT LESS THAN 20" WIDE X 24" HIGH AND SHALL NOT BE MORE THAN 44" ABOVE THE FLOOR.

EXTERIOR WALLS ZONE 3:

R-13 BATTS MINIMUM. VERIFY

CEILING WITH ATTIC ABOVE COMPRESSED INSULATION: R-38 BATTS MINIMUM, VERIFY

CEILING WITH ATTIC ABOVE UNCOMPRESSED INSULATION (HEELS IN TRUSSES): R-30 BATTS MINIMUM VERIEY

FLOOR OVER GARAGE

R-19 BATTS MINIMUM. VERIFY

ATTIC KNEEWALL:

R-19 BATTS MINIMUM. VERIFY

BUILDING CODE ANALYSIS 2018 NCRC/ 2018 IBC

APPLICABLE CODES USER GROUP: CONSTRUCTION CLASS: HEIGHT LIMITATION: EMERGENCY ESCAPE:

SINGLE FAMILY UNPROTECTED EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOM SHALL HAVE A MINIMUM OF 5.7 SQ. FT.

GARAGE / HOUSE CEILING/ HOUSE ASSEMBLY: 1/3" GYPSUM BD. WALL & 5/8 "TYPE "X" GYPSUM BD. CEILING W/ 20 MINUTE GARAGE/HOUSE DOOR

DESIGN LOAD:

SLEEPING = 30 PSF NON-SLEEPING = 40 PSF DECKS = 40 PSF DEAD LOAD = 10 PSF BASIC WIND SPEED = 115 MPH EXPOSURE B (CHARLOTTE) STAIR LOAD = 40 PSF

ROOF LIVE LOAD = 20 PSF LATERAL SOIL PRESSURE = 30 PCF (ASSUMED)

VERIFY ALL APPLICABLE BUILDING CODES WITH STATE AND LOCAL JURISDICTION PRIOR TO CONSTRUCTION

- THE ATTACHED PLANS & SPECIFICATIONS ARE THE SOLE PROPERTY OF DAVIDSON HOMES. ANY UNAUTHORIZED USE OF THESE PLANS WITHOUT PRIOR WRITTEN CONSENT OF DAVIDSON HOMES IS STRICTLY PROHIBITED
- MAIN STREET DESIGNS OF GEORGIA, LLC DESIGNS HOUSING AS SET FORTH BY THE FORMAT AND PROVISIONS OF THE INTERNATIONAL RESIDENTIAL CODE (IRC), AND THE NATIONAL ELECTRIC CODE (NEC).
- THESE PLANS ARE SUBJECT TO MODIFICATIONS TO MEET CODE REQUIREMENTS AND/OR TO FACILITATE MECHANICAL/ ELECTRICAL/ PLUMBING INSTALLATION AND/ OR TO IMPLEMENT DESIGN IMPROVEMENTS
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AFFECTING CONTRACTOR'S PRODUCTS. INSTALLATIONS, OR FABRICATIONS IN THE FIELD PRIOR TO EXPEDITING THE CONSTRUCTION OF SUCH WORK. FIELD VERIFY ALL DIMENSIONS - DO NOT SCALE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR SURVEYING THE PROJECT AND BECOMING FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE OF WORK INCLUDING BUT NOT LIMITED TO SITE AND SOIL BEARING CONDITIONS
- ERRORS AND OMISSIONS WHICH MAY OCCUR IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF MAIN STREET DESIGNS OF GEORGIA, LLC. IN WRITING. AND WRITTEN INSTRUCTION SHALL BE OBTAINED PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ERRORS, DISCREPANCIES. OR OMISSIONS FOR WHICH THE CONTRACTOR FAILED TO NOTIFY MAIN STREET DESIGNS OF GEORGIA. LLC PRIOR TO CONSTRUCTION AND/ OR FABRICATION OF
- 6) FLAME SPREAD AND SMOKE DENSITY NOTES

WALLS AND CEILING:

WALL AND CEILING FINISHES SHALL HAVE A FLAME - SPREAD CLASSIFICATION OF NOT GREATER THAN 200. WALL AND CEILING FINISHES SHALL HAVE A SMOKE-DEVELOPED INDEX OF NOT GREATER THAN 450.

INSULATION:

IE BATT OR BLANKET INSULATION, INCLUDING FACINGS SUCH AS VAPOR RETARDERS OR OTHER VAPOR PERMEABLE MEMBRANES ARE LEFT EXPOSED (IN AREAS LIKE LINEINISHED BASEMENTS) THE MATERIAL SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPMENT RATING OF 450 OR LESS. FLAME-SPREAD AND SMOKE-DEVELOPMENT LIMITATIONS DO NOT APPLY TO FACINGS THAT IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR, OR

EXCEPT WHERE OTHERWISE NOTED IN SECTION R314.2, ALL FOAM PLASTIC OR FOAM PLASTIC CORES IN MANUFACTURED ASSEMBLIES USED IN BUILDING CONSTRUCTION SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 75 AND SHALL HAVE A SMOKE-DEVELOPMENT RATING OF NOT MORE THAN 450 WHEN TESTED IN THE MAXIMUM THICKNESS INTENDED FOR USE IN ACCORDANCE WITH ASTM E 84.

R314.1.2 THERMAL BARRIER FOAM PLASTIC EXCEPT WHERE OTHERWISE NOTED. SHALL BE SEPARATED FROM THE INTERIOR OF A BUILDING BY MINIMUM1/2-INCH (12.7 MM) GYPSUM BOARD OR AN APPROVED FINISH MATERIAL EQUIVALENT TO A THERMAL BARRIER TO LIMIT THE AVERAGE TEMPERATURE RISE OF THE UNEXPOSED SURFACE TO NO MORE THAN 250°F(121°C) AFTER 15MINUTES OF FIRE EXPOSURE TO THE ASTM E 119 STANDARD TIME TEMPERATURE CURVE. THE GYPSUM BOARD SHALL BE INSTALLED USING A MECHANICAL FASTENING SYSTEM IN ACCORDANCE WITH SECTIOR702.3.5. RELIANCE ON ADHESIVES TO ENSURE THAT THE GYPSUM BOARD WILL REMAIN IN PLACE WHEN EXPOSED TO FIRE SHALL BE PROHIBITED.

WILLOW

ELEVATION - B



DOOR STYLE PER PURCHASE ORDER SIZE 3/0 x 8/0

INCLUDED OPTIONS:

1st FLOOR **COVERED PORCH GOURMET KITCHEN** FIXED WINDOWS @ BREAKFAST ROOM **BOX OAK STAIRS OPEN RAIL EXT. FAMILY ROOM W/ ALT. GUEST SUITE GUEST SHOWER ILO TUB BENCH @ MUD ROOM**

2nd FLOOR **TRAY CEILING @ OWNERS** 2ND SINK @ BATH 2 LAUNDRY SINK

COVERED PORCH

	BASE HOUSE	ONS		TOTAL UNDER			
ELEVATIONS	1st FLOOR	2nd FLOOR	TOTAL FIN.	FRONT	PORCH	GARAGE	ROOF
ELEV. B	1,053 s.f.	1,287 s.f.	2,340 s.f.		159 s.f.	466 s.f.	2,965 s.f.
OPTIONS SQUARE FOOTAGE CALCULATIONS							
OPTIONS:	1st	FLOOR					
EXTENDED FAMILY W/ ALTERNATE GUEST SUITE				+130 s.f.			

+120 s.f.





1/8"=1'-0" RELEASE DATE 08-21-2019 PROJECT NUMBER

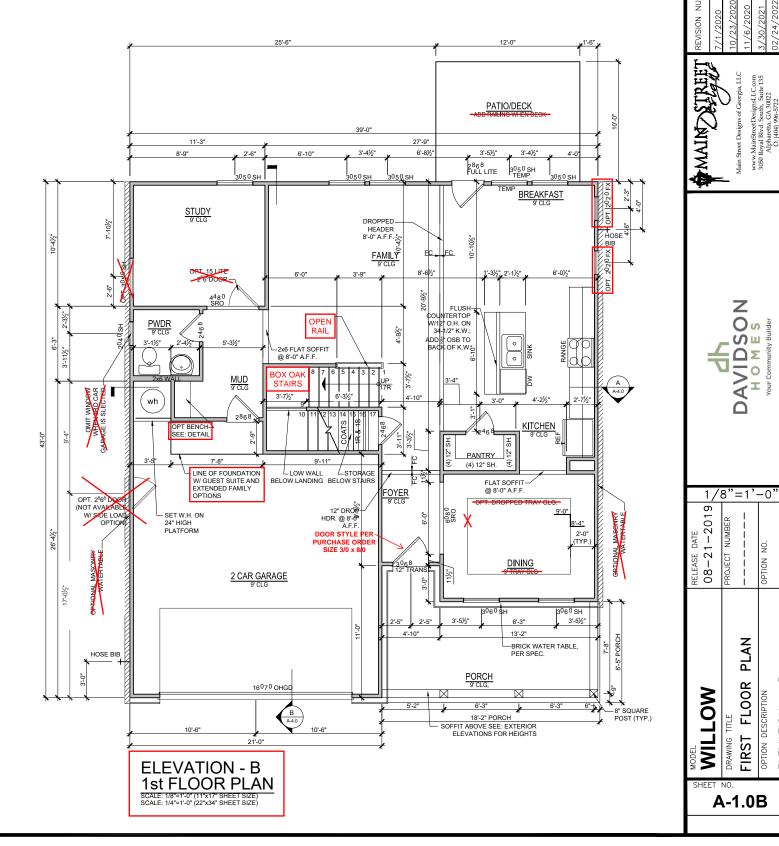
COVE

CS-1.0

ALTERNATE FG SHOWER PAN W/CEILING HEIGHT **GUEST BEDROOM** WALL TILE ilo TUB/SHOWER BREAKFAST 9' CLG FAMILY 9' CLG 1R & 1SH FLUSH COUNTERTOP-W/12" O.H. ON 34-1/2" K.W.; ADD ¹/₂" OSB TO ¹/₂ BACK OF K.W wh KITCHEN 9' CLG LL 9'-11" PANTRY 1st FLOOR PLAN OPT. EXTENDED FAMILY W/ OPT. COVERED PORCH 1st FLOOR PLAN OPT. GOURMET KITCHEN

@ CENTERLINE 5/8" BOARD 1X4 TRIM VARIES PER PLAN OPT. BENCH DETAIL SCALE: 3/8"=1'-0" (11"x17" SHEET SIZE) SCALE: 3/4"=1'-0" (22"x34" SHEET SIZE)

Retreat at North Main Lot 43



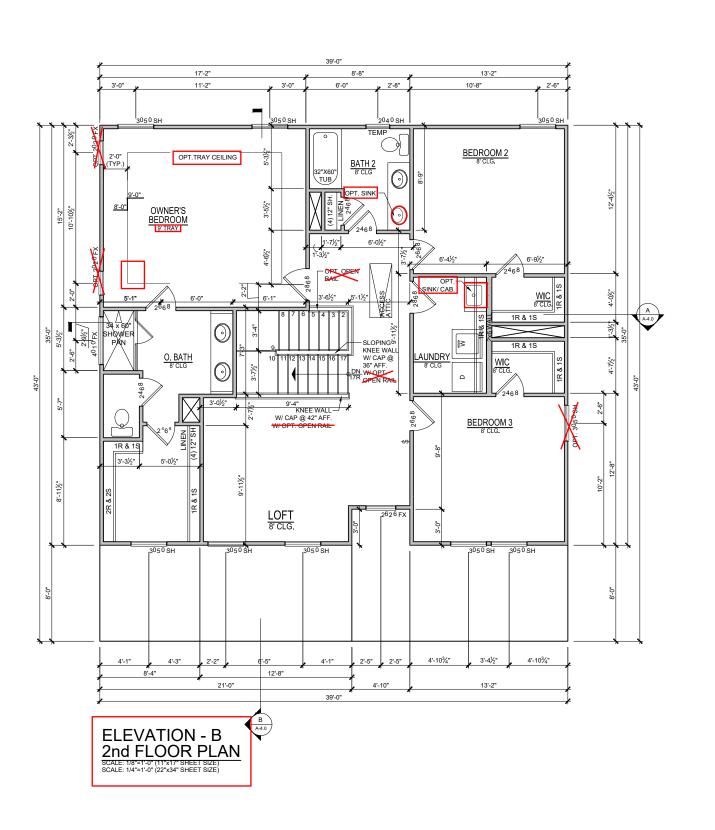
DAVIDSON HOMES

PLAN

FLOOR

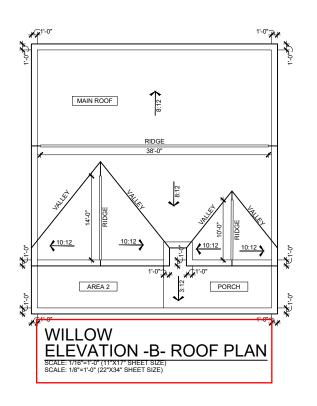
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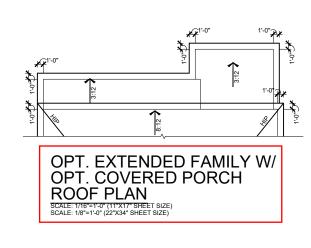
A-1.0B

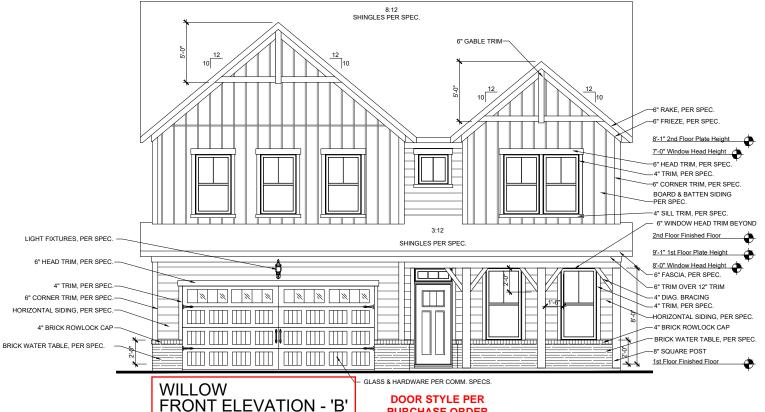


~ ~	1 0100-10-00	1	「ATTATION OF TAXA		
<u> </u>	, ,		- Crandus	7/1/2020	7/1/2020 UPDATED SHOWER OPTIONS
Р	ROJECT NUMBER	3000	5	10/23/2020	10/23/2020 ADDED GAR SVR DR & OPT EXT FAMILY
FLOOR PLAN -		NOVON:	Main Street Lesigns of Georgia, LLC	11/6/2020	1/6/2020 ADD OPT PORCHS TO OPT EXT FAMILY
RIPTION	PTION NO.	N I I I	3050 Royal Bluck South, Suite 135	3/30/2021	3/30/2021 REVISION TO WH & GARAGE DOORS
(" " " " " " " " " " " " "	O. (404) 996-5722	02/24/2022	02/24/2022 FIX WINDOW SIZE TO 2626 FX ON D
— я I N				12/12/2024	12/12/2024 CHANGED GUEST BED WIC DOOR SWING

A-2.0B







SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE) SCALE: 1/4"=1'-0" (22"X34" SHEET SIZE)

SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE SCALE: 1/4"=1'-0" (22"X34" SHEET SIZE

ATTIC VENT CALCULATIONS

GENERAL CONTRACTOR SHALL VERIEV THE NET FREE GENERAL CONTRACTOR SHALL VERIFY THE NET FREE VENTILATION OF THE VENT PRODUCT SELECTED BY OWNER. VERIFY WITH MANUFACTURER OF HIGH AND LOW VENTS TO BE USED FOR MINIMUM CALCULATED VENTS REQUIRED. THE REQUIRED VENTILATION SHALL BE MAINTAINED. PROVIDE INSULATION STOP SUCH THAT INSULATION DOES NOT OBSTRUCT FREE AIR MOVEMENT AS REQUIRED BY THE BUILDING OFFICIAL.

ALL OVERLAP FRAMED ROOF AREAS SHALL HAVE

OPENINGS BETWEEN THE ADJACENT ATTICS IN THE ROOF SHEATHING (AS ALLOWED BY THE STRUCTURAL ENGINEER) TO ALLOW PASSAGE AND ATTIC VENTILATION BETWEEN THE TWO OR ISOLATED ATTIC SPACES SHALL BE VENTED INDEPENDENTLY TO CBC REQUIREMENTS.

PER DEVELOPER, AT ALL CANTILEVERED FLOORS, FRAMING PROJECTIONS THAT ARE SEPARATED FROM THE VENTING CALCULATIONS SHOWN ABOVE, PROVIDE A CONTINUOUS 2" CORROSION RESISTANT SOFFIT VENT AT UNDERSIDE OF FRAMED ELEMENT.

ALL ROOF DRAINAGE SHALL BE PIPED TO STREET OR APPROVED DRAINAGE FACILITY.

DASHED LINES INDICATE WALL BELOW.

LOCATE GUTTER AND DOWNSPOUTS PER BUILDER

TRUSS MANUFACTURER SHALL SUBMIT STRUCTURAL CALCS AND SHOP DRAWINGS TO THE BUILDER'S GENERAL CONTRACTO AND BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION

ALL PLUMBING VENTS SHALL BE COMBINED INTO A MINIMUM AMOUNT OF ROOF PENETRATIONS. ALL ROOF PENETRATIONS SHALL OCCUR TO THE REAR OF THE MAIN RIDGE

MAIN ROOF AREA 1

1350 SQ FT UNDER ROOF ATTIC 300 SQ FT / 1 SQ FT = 4.50 SQ FT VENTILATION RIDGE VENTS 18 SQ IN = (.125 SQ FT) SOFFIT VENTS 9 SQ IN = (.0625 SQ FT) BOX VENTS 50 SQ IN = (.347 SQ FT)

= 18.0 FEET OF RIDGE VENT

= 36.0 FEET OF SOFFIT VENT

ACTUAL RIDGE VENT PROVIDED ACTUAL SOFFIT VENT PROVIDED NUMBER OF BOX VENTS NEEDED (REQ - ACTUAL x .347)

-15.3 COUNT (NEGATIVE = 0)

AREA 2

168 SQ FT UNDER ROOF 150 SQ FT / 1 SQ FT = 1.12 SQ FT VENTILATION

SOFFIT VENTS 9 SQ IN = (.0625 SQ FT) ASSUME 100% VENTING @ SOFFIT

= 17.9 FEET OF SOFFIT VENT

ACTUAL SOFFIT VENT PROVIDED 22 FEET

PORCH ROOF

159 SQ FT UNDER ROOF 150 SQ FT / 1 SQ FT = 1.06 SQ FT VENTILATION

SOFFIT VENTS 9 SQ IN = (.0625 SQ FT) ASSUME 100% VENTING @ SOFFIT

1.060 SQ FT = 17.0 FEET OF SOFFIT VENT 0.0625 SQ FT

ACTUAL SOFFIT VENT PROVIDED

ATTIC VENT CALCULATIONS

MAIN ROOF

1518 SQ FT UNDER ROOF ATTIC 300 SQ FT / 1 SQ FT = 5.06 SQ FT VENTILATION

RIDGE VENTS 18 SQ IN = (.125 SQ FT) SOFFIT VENTS 9 SQ IN = (.0625 SQ FT) BOX VENTS 50 SQ IN = (.347 SQ FT)

RIDGE VENT

2.530 SQ FT = 20.2 FEET OF RIDGE VENT

2.530 SQ FT = 40.5 FEET OF SOFFIT VENT

ACTUAL RIDGE VENT PROVIDED ACTUAL SOFFIT VENT PROVIDED NUMBER OF BOX VENTS NEEDED (REQ - ACTUAL x .347)

PORCH ROOF

115 SQ FT UNDER ROOF 150 SQ FT / 1 SQ FT = 0.77 SQ FT VENTILATION SOFFIT VENTS 9 SQ IN = (.0625 SQ FT) ASSUME 100% VENTING @ SOFFIT

0.767 SQ FT = 12.3 FEET OF SOFFIT VENT

ACTUAL SOFFIT VENT PROVIDED



PURCHASE ORDER

SIZE 3/0 x 8/0

MAINZSTREET Z Os _ Su $\Delta \Sigma$ 1/8"=1'-0" SE DAT 08 PLAN ROOF

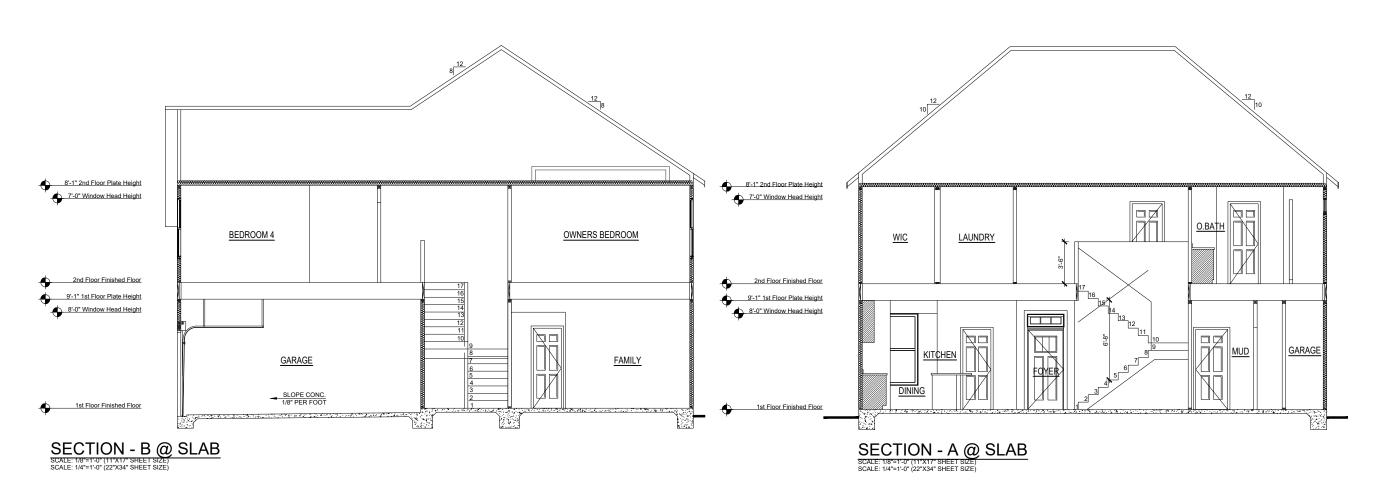
WILLOW

ELEV/

EXT.

A-3.0B

Retreat at North Main Lot 43 10:12 SHINGLES PER SPEC. 6" RAKE, PER SPEC. 6" FASCIA, PER SPEC.-6" FRIEZE, PER SPEC.-6" FRIEZE, PER SPEC. 8'-1" 2nd Floor Plate Height 8'-1" 2nd Floor Plate Height 7'-0" Window Head Height 7'-0" Window Head Height MAINZETREET 6" RAKE, PER SPEC.--6" RAKE, PER SPEC. 6" FRIEZE, PER SPEC.--6" FRIEZE, PER SPEC. 2nd Floor Finished Floor 2nd Floor Finished Floor 9'-1" 1st Floor Plate Height 9'-1" 1st Floor Plate Height 8'-0" Window Head Height 6" TRIM OVER 12" TRIM-4" CORNER TRIM PER SPEC HORIZONTAL SIDING, PER SPEC.-HORIZONTAL SIDING, PER SPEC HORIZONTAL SIDING, PER SPEC 8" BOX COLUMN 8" BASE TRIM 4" HEAD TRIM 4" BRICK ROWLOCK CAP 4" CORNER TRIM, PER SPEC .-BRICK WATER TABLE, PER SPEC. 1st Floor Finished Floor 1st Floor Finished Floor DAVIDSON HOMES **WILLOW** OPT. EXTENDED FAMILY W/ LEFT ELEVATION - 'B' OPT. COVERED PORCH LEFT ELEVATION SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE) SCALE: 1/4"=1'-0" (22"X34" SHEET SIZE) 10:12 SHINGLES PER SPEC. 10:12 SHINGLES PER SPEC 6" RAKE, PER SPEC. 1/8"=1'-0" -6" FRIEZE, PER SPEC. RELEASE DATE 08-21-2019, PROJECT NUMBER 8'-1" 2nd Floor Plate Height 7'-0" Window Head Height HORIZONTAL SIDING, PER SPEC. -4" CORNER TRIM, PER SPEC. OPTIONAL 2020 FIXED WINDOW 6" RAKE, PER SPEC.-6" RAKE, PER SPEC. 6" FRIEZE, PER SPEC.— -6" FRIEZE, PER SPEC. HORIZONTAL SIDING, PER SPEC.-9'-1" 1st Floor Plate Height 8'-0" Window Head Height OPTIONAL 2020 FIXED WINDOW ELEVATIONS 4" CORNER TRIM, PER SPEC. -6" TRIM OVER 12" TRIM 4" DIAG. BRACING-HORIZONTAL SIDING, PER SPEC HORIZONTAL SIDING, PER SPEC.-8" BOX COLUMN 8" BASE TRIM 4" HEAD TRIM 4" BRICK ROWLOCK CAP-WILLOW BRICK WATER TABLE, PER SPEC. 8" SQUARE POST DRAWING SIDE 1st Floor Finished Floor OPT. EXTENDED FAMILY WI WILLOW BRICK FOUNDATION PER. COMM. SPECS. OPT. COVERED PORCH **RIGHT ELEVATION - 'B' RIGHT ELEVATION** A-3.1B SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE) SCALE: 1/4"=1'-0" (22"X34" SHEET SIZE) SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE) SCALE: 1/4"=1'-0" (22"X34" SHEET SIZE)



MAINZSTREET DAVIDSON HOMES 1/8"=1'-0" RELEASE DATE

08-21-2019

PROJECT NUMBER

SECTIONS

DRAWING TITLE

BUILDING

A-4.0B

WILLOW

ELECTRICAL KEY CEILING RECEP. DUPLEX RECEP. SPLIT SWITCHED RECEP.

FLOOR RECEP

QUADPLEX RECEP

GROUND FAULT RECEP

GFI/WP
WEATHER PROOF RECEP

220V 220v RECEP

- EXAUST FAN / LIGHT

T S)- EXAUST FAN / HEAT LIGHT

LED

VAPOR PROTECTED LIGHT

CEILING LIGH

HANGING CEILING LIGHT

₩ WALL LIGHT

WALL SCONCE LIGHT

SINGLE SWITCH

g 5-WAT GWITGH

\$D DIMMER SWITCH

CABLE T.V. J

BUTTON

DIRECT WIRE

SECURITY SYSTEM PHONE JACK

SMOKE DETECTOR

CARBON MONOXIDE DETECTOR

DISCONNECT SWITCH

∃ ELECTRIC METER

1 TUBE FLUORESCENT
2 TUBE FLUORESCENT

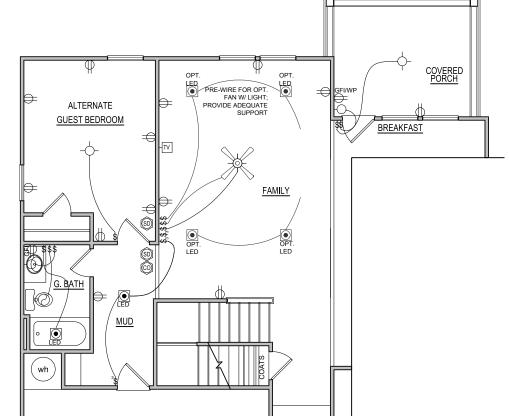
FLOOD LIGHT

© CHIMES

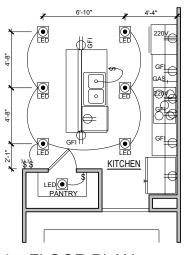


CEILING FAN W/ LIGH

Retreat at North Main Lot 43

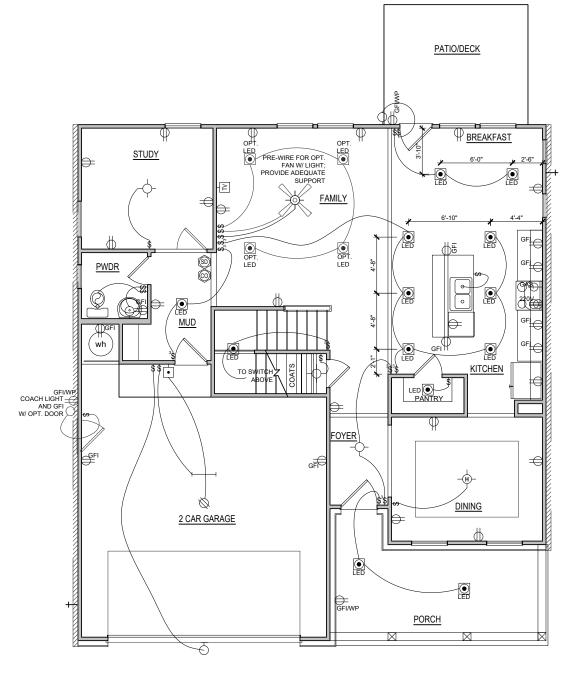


ELECTRICAL PLAN
OPT. EXTENDED FAMILY W/
OPT. COVERED PORCH



1st FLOOR PLAN OPT. GOURMET KITCHEN

SCALE: 1/8"=1'-0" (11"x17" SHEET SIZE) SCALE: 1/4"=1'-0" (22"x34" SHEET SIZE)

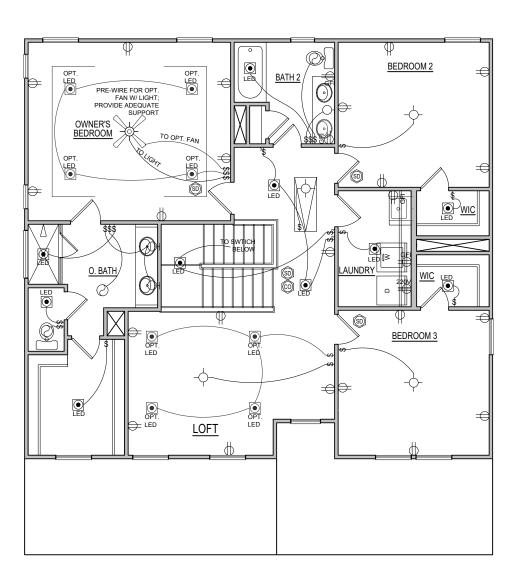


ELEVATION - B FIRST FLOOR ELECTRICAL PLAN SCALE: 1/4"=11-0" (11"x17" SHEET SIZE) SCALE: 1/4"=11-0" (22"x34" SHEET SIZE) MAINZETREET Z AVIDSON HOMES 1/8"=1'-0" RELEASE DATE

08-21-2019,

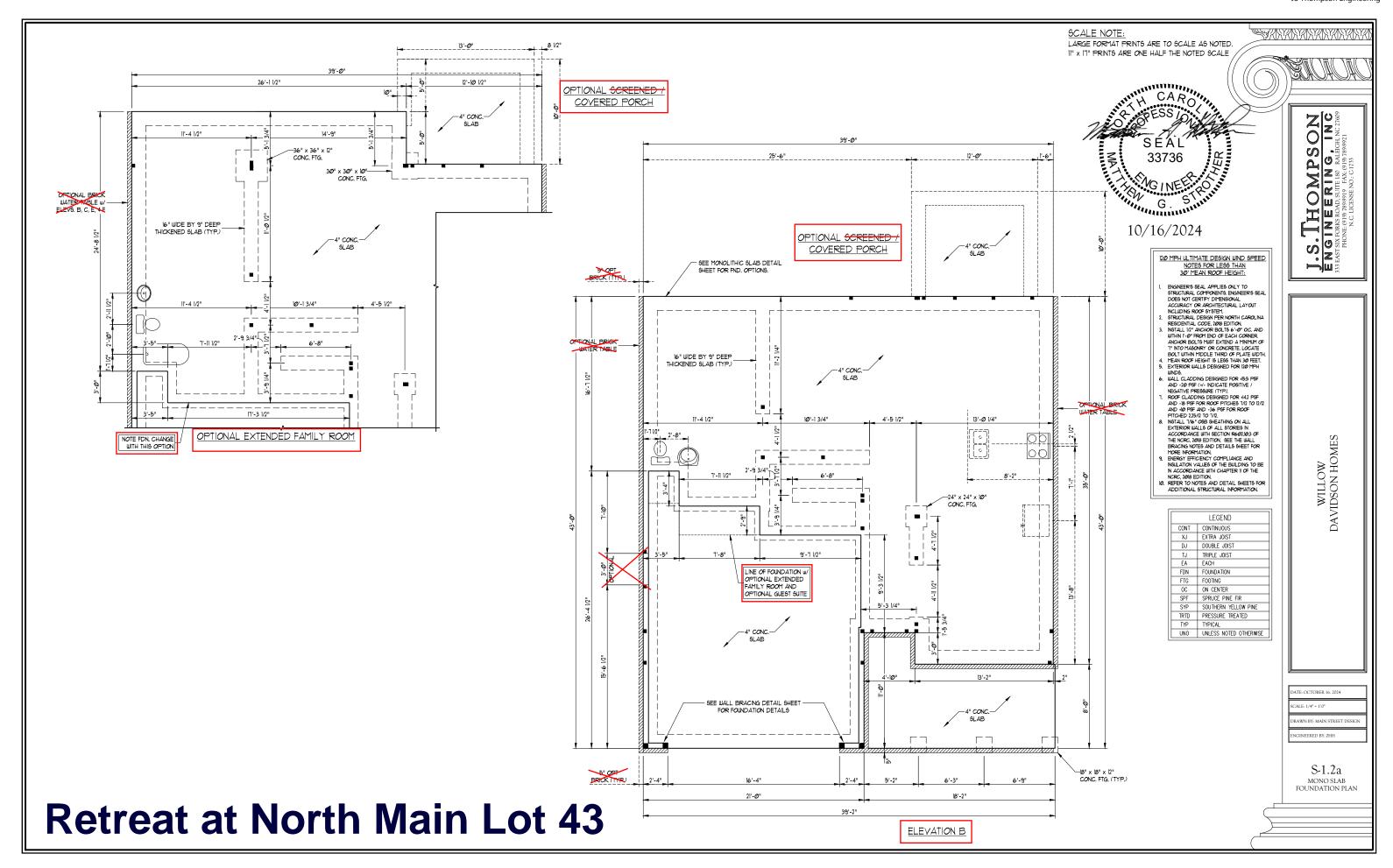
PROJECT NUMBER ELEC. WILLOW 1ST

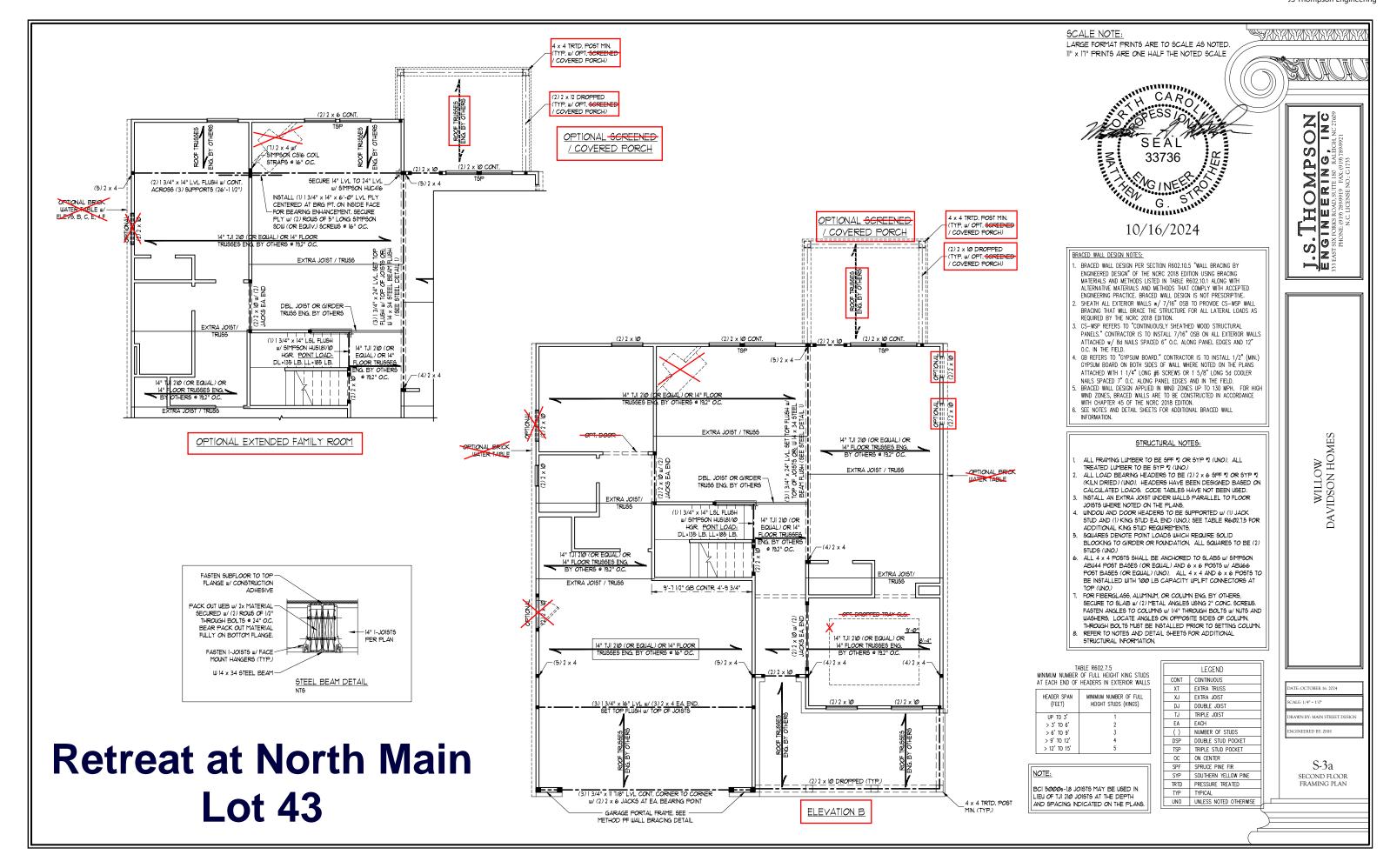
E-1.0B

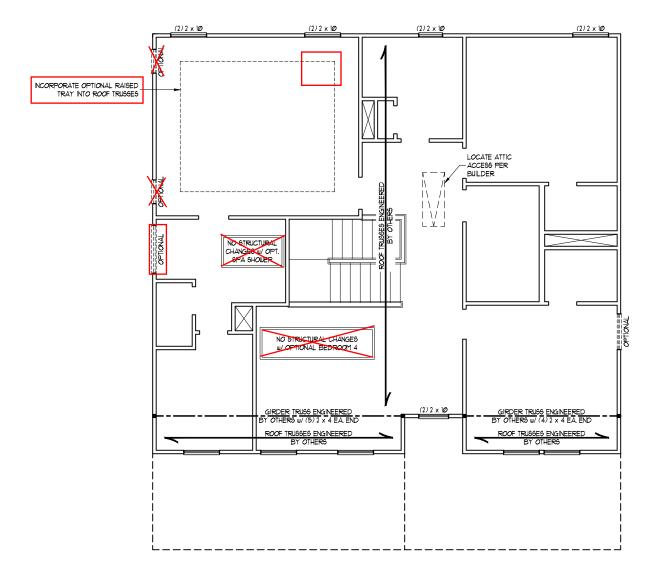


ELEVATION - B SECOND FLOOR ELECTRICAL PLAN SCALE: 189-1-07 (1974)* SHEET SIZE) SCALE: 189-1-07 (1974)* SHEET SIZE)

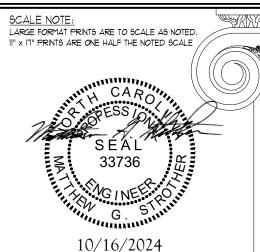
E-2.0B







ELEVATION B



BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10.5 "WALL BRACING BY ENGINEERED DESIGN" OF THE NCRC 2018 EDITION USING BRACING MATERIALS AND METHODS LISTED IN TABLE R602.10.1 ALONG WITH ALTERNATIVE MATERIALS AND METHODS THAT COMPLY WITH ACCEPTED ENGINEERING PRACTICE. BRACED WALL DESIGN IS NOT PRESCRIPTIVE.
- ALLENVATIVE WHEREALS AND WE FROM STATE OWNER WITH ACCEPTED ENGINEERING PRACTICE. BRACED WALL DESIGN IS NOT PRESCRIPTIVE.

 2. SHEATH ALL EXTERIOR WALLS W/ 7/16° OSB TO PROVIDE CS-WSP WALL BRACING INTAT WILL BRACE THE STRUCTURE FOR ALL LATERAL LOADS AS REQUIRED BY THE NORC 2018 EDITION.
- CS-WSP REFERS TO "CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANELS." CONTRACTOR IS TO INSTALL 7/16" OSB ON ALL EXTERIOR WALLS ATTACHED W/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
 GB REFERS TO "CYPSUM BOARD." CONTRACTOR IS TO INSTALL 1/2" (MIN.) CYPSUM BOARD ON BOTH SIDES OF WALL WHERE NOTED ON THE PLANS
- ATTACHED WITH 1 1/4* LONG #6 SCREWS OR 1 5/8* LONG 56 COOLER
 NAILS SPACED 7" O.C. ALONG PANEL EDGES AND IN THE FIELD.

 5 BRACED WALL DESIGN APPLIED IN WIND ZONES UP 10 130 MPH. FOR HIGH
 WIND ZONES, BRACED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE
- WIND ZONES, BRACED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE
 WITH CHAPTER 45 OF THE NCRC 2018 EDITION.

 6. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL

STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE ? SPF OR ? SYP (UNO).
 ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
 WINDOW AND DOOR HEADERS TO BE SUPPORTED w/
 (1) JACK STUD AND (1) KING STUD EA END (UNO). SEE
 TABLE R602.15 FOR ADDITIONAL KING STUD
 EXCURPENDEUTE.
- REQUIREMENTS.

 4. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SQUARES TO BE (2) STUDS (UNO.)
- 5. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

	LEGEND
CONT	CONTINUOUS
XT	EXTRA TRUSS
XJ	EXTRA JOIST
DJ	DOUBLE JOIST
TJ	TRIPLE JOIST
EA	EACH
()	NUMBER OF STUDS
DSP	DOUBLE STUD POCKET
TSP	TRIPLE STUD POCKET
OC	ON CENTER
SPF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

TABLE R602.7.5 MINIMUM NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 3'	1
> 3' TO 6'	2
> 6' TO 9'	3
> 9' TO 12'	4
> 12' TO 15'	5

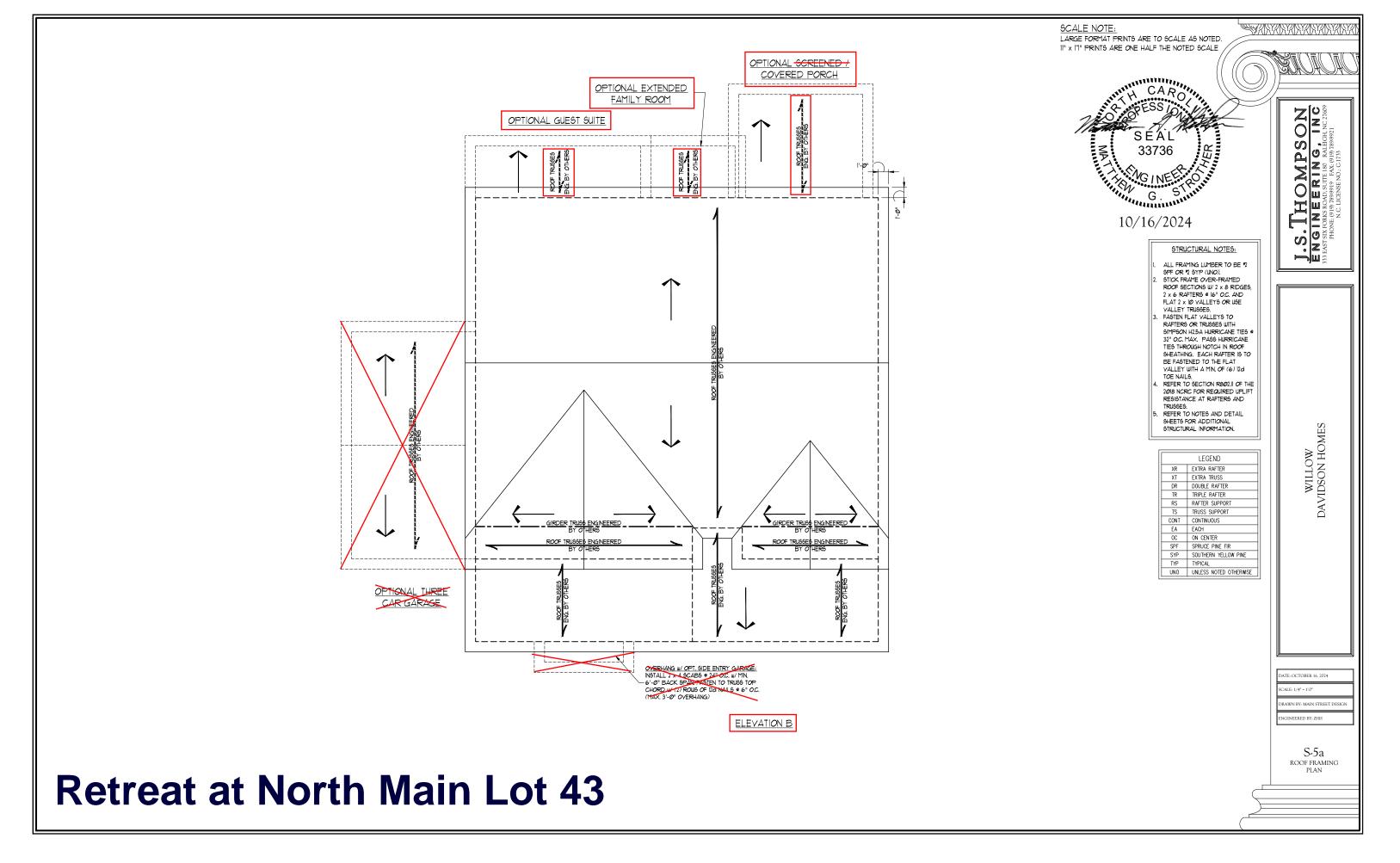
DATE: OCTOBER 16: 2024

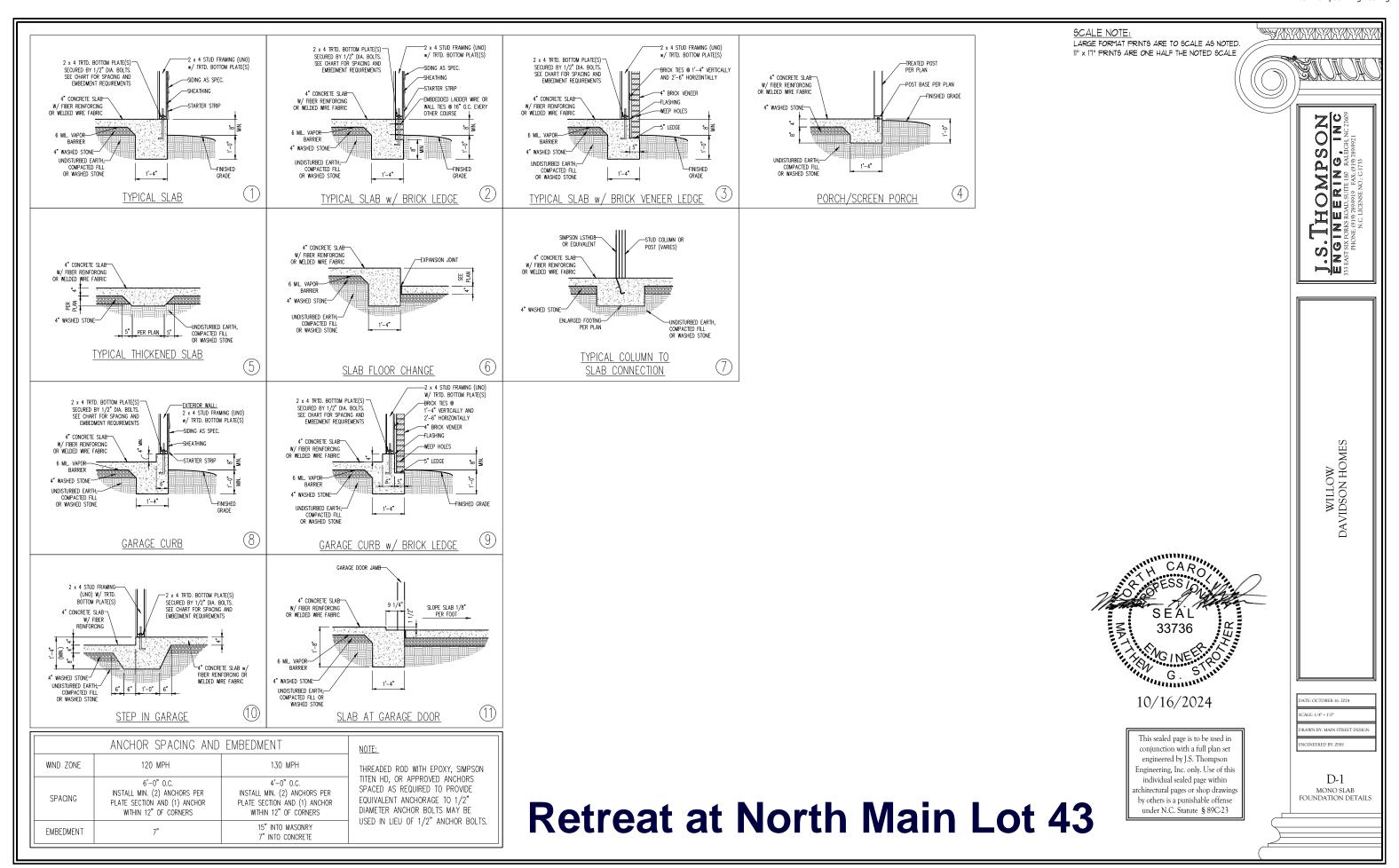
SCALE: 1/4" - 1'-0"

DRAWN BY: MAIN STREET DESIGN

J.S. THOMPSON
ENGINEERING, INC

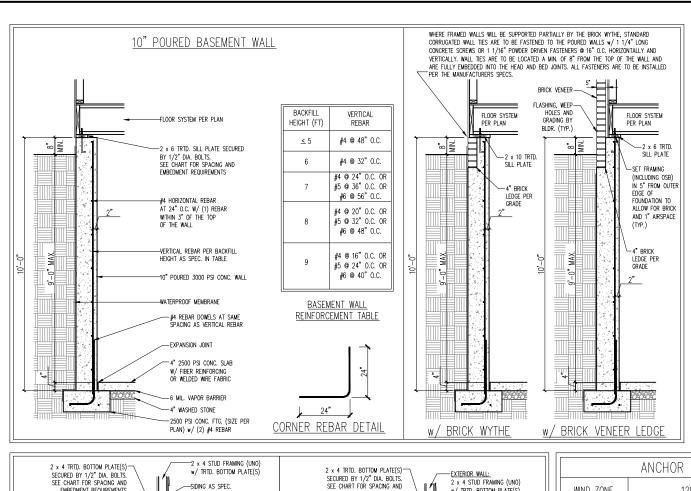
S-4a attic floor framing plan

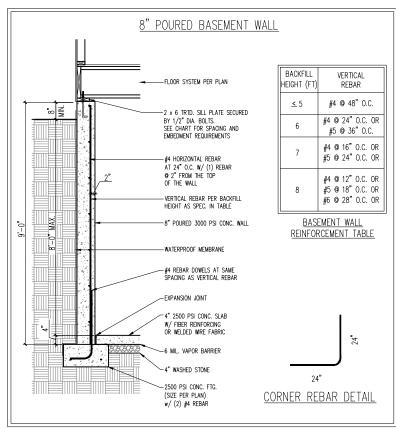




LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE

SCALE NOTE:





7" INTO CONCRETE

Retreat at **North Main Lot 43**



10/16/2024

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ANCHOR SPACING AND EMBEDMENT NOTE: 120 MPH 130 MPH THREADED ROD WITH EPOXY, SIMPSON TITEN HD, OR APPROVED ANCHORS 6'-0" O.C. 4'-0" O.C. SPACED AS REQUIRED TO PROVIDE INSTALL MIN. (2) ANCHORS PER INSTALL MIN. (2) ANCHORS PER EQUIVALENT ANCHORAGE TO 1/2" PLATE SECTION AND (1) ANCHOR PLATE SECTION AND (1) ANCHOR DIAMETER ANCHOR BOLTS MAY BE WITHIN 12" OF CORNERS WITHIN 12" OF CORNERS USED IN LIEU OF 1/2" ANCHOR BOLTS. 15" INTO MASONRY

IMPORTANT NOTE:

FOUNDATIONS AS DENOTED IN THESE DETAILS ARE $\underline{\mathsf{NOT}}$ SUITABLE FOR SUPPORT OF ADDITIONAL SURCHARGE LOADING FROM ADJACENT STRUCTURES OR DRIVEWAYS FOUNDATIONS WITH EXTRA LATERAL LOADING IN THESE SCENARIOS WILL REQUIRE LOT SPECIFIC DESIGN ON A CASE BY CASE BASIS. CONSULT THE ENGINEER OF RECORD WHEN PLANNING TO BUILD IN CLOSE PROXIMITY TO THE FOUNDATION AS WE WILL NOT BE HELD LIABLE FOR FOUNDATION FAILURE. SEE R403.1.9 OF THE 2018 NCRC FOR ADDITIONAL INFORMATION.

STRUCTURAL NOTES:

- . FOR #4 REBAR, 24" MINIMUM REBAR LAP SPLICE LENGTH. FOR #5 REBAR, 32" MINIMUM REBAR LAP SPLICE LENGTH. FOR #6 REBAR, 38" MINIMUM REBAR LAP SPLICE LENGTH.
- REBAR TO MAINTAIN A MINIMUM CONCRETE COVER OF 3" (UNO).
- REBAR TO BE ASTM A615 GRADE 60.

WIND ZONE

SPACING

EMBEDMENT

- SOIL BEARING CAPACITY IS REQUIRED TO BE 2000 PSE MIN.
- INSTALL \$4 L-BARS AT ALL WALL CORNERS AT SAME SPACING AS HORIZ. STEEL. SEE DETAIL.

 THE FLOOR FRAMING IS TO BE INSTALLED AND A MIN. OF SEVEN DAYS IS REQUIRED TO ALLOW THE CONCRETE TO CURE BEFORE THE BACKFILL CAN BE INSTALLED. THE BACKFILL IS RECOMMENDED TO BE PLACED IN 12" LIFTS AND
- A "LEDGE IS TO BE PROVIDED FOR THE PORCH SLAB. THE WALLS ARE REQUIRED TO BE BONDED TO THE SLABS USING #4 x 36" REBAR DOWELS 32" O.C. EMBEDDED 4" INTO THE CONC. USING EPOXY.
- WHERE THE FLOOR JOSTS ARE PARALLEL TO THE WALLS, 2 x 4 BLOCKING IS TO BE INSTALLED 24 O.C. BETWEEN THE BOTTOM FLANGES OF THE I—JOSTS FOR A MIN. OF 6"-0" AWAY FROM THE WALL OR DIAGONAL 2 x 6 BLOCKS MAY BE INSTALLED 24" O.C. FROM THE EDGE OF THE SILL PLATE TO THE TOP FLANGE AND SUBFLOORING, ATTACHED W/ (3) 12d NAILS EACH END.

NOTE TO FOUNDATION CONTRACTOR:

ALTERNATE REINFORCED CONCRETE POURED WALL DESIGNS ENGINEERED BY OTHERS MAY BE CONSTRUCTED. NO CONTINUOUS FOOTINGS OR LUG FOOTINGS MAY BE REDUCED IN SIZE.

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DATE: OCTOBER 16. 2024 CALE: 1/4" = 1'-0" DRAWN BY: MAIN STREET DES

INEERED BY: ZHH

D-4 WALL BRACING NOTES AND DETAILS

EMBERMENT REQUIREMENTS w/ TRTD, BOTTOM PLATE(S) EMBEDMENT REQUIREMENTS —SHEATHING -SIDING AS SPEC. 4" CONCRETE SLAB-4" CONCRETE SLAB -STARTER STRIP W/ FIBER REINFORCING OR WELDED WIRE FABRIC -STARTER STRIP BARRIER 4" WASHED STONE-4" WASHED STONE-UNDISTURBED EARTH: UNDISTURBED EARTH, 1'-4" OR WASHED STONE -FINISHED 1'-4" OR WASHED STONE TYPICAL SLAB GARAGE CURB -2 x 4 STUD FRAMING (UNO) W/ TRTD. BOTTOM PLATE(S) 2 x 4 STUD FRAMING (UNO) 2 v 4 TRTD ROTTOM PLATE(S)-2 x 4 TRTD. BOTTOM PLATE(S) -SECURED BY 1/2" DIA. BOLTS. SEE CHART FOR SPACING AND BRICK TIES @ 1'-4" VERTICALLY AND EMBEDMENT REQUIREMENTS 2'-6" HORIZONTALLY EMBEDMENT REQUIREMENTS 4" CONCRETE SLAB-4" BRICK VENEER -4" CONCRETE SLAB 4" CONCRETE SLAB-W / FIRER REINFORCING —FLASHING W/ FIBER REINFORCING OR WELDED WIRE FABRIC OR WELDED WIRE FABRIC -WEEP HOLES 5" LEDGE BARRIER 4" WASHED STONE-4" WASHED STONE-UNDISTURBED EARTH. FINISHED GRADE UNDISTURBED EARTH, COMPACTED FILL OR WASHED STONE STEP IN GARAGE GARAGE CURB w/ BRICK LEDGE 4" CONCRETE SLAB 4" CONCRETE SLAB GARAGE DOOR JAME W/ FIBER REINFORCING OR WELDED WIRE FABRIC W/ FIBER REINFORCING OR WELDED WIRE FABRIC SLOPE SLAB 1/8" PER FOOT 6 MIL VAPOR PER L 4" WASHED STONE

4" WASHED-

LINDISTURBED FARTH COMPACTED-

SLAB AT GARAGE DOOR

COMPACTED FILL OR WASHED STONE

TYPICAL THICKENED SLAB

—SIDING AS SPEC

SECURED BY 1/2" DIA. BOLTS. SEE CHART FOR SPACING AND

GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO I-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NCRC), 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NCRC, 2018 EDITION (R301.4 R301.7)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/240 (L/360 w/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	10	L/360
DECKS	40	10	L/360
EXTERIOR BALCONIES	40	10	L/360
FIRE ESCAPES	40	10	L/360
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/360
PASSENGER VEHICLE GARAGE	50	10	L/360
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/360
SLEEPING ROOMS	30	10	L/360
STAIRS	40	10	L/360
WIND LOAD	(BASED ON TABLE R301.2(4) WIND) ZONE AND EXPOSURE)	
GROUND SNOW LOAD: Pg	20 (PSF)		

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
- FLOOR TRUSS SYSTEMS DESIGNED WITH 15 PSF DEAD LOAD
- FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R403.1.6 OF THE NCRC, 2018 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NCRC, 2018 EDITION.
- 5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NCRC, 2018 EDITION.

FOOTING AND FOUNDATION NOTES

- 1. FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT
- 2. FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP 1, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE NCRC, 2018 EDITION.
- 3. PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" 1" DEEP CONTROL JOINTS ARE TO BE SAWED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE
- 4. CONCRETE SHALL CONFORM TO SECTION R402.2 OF THE NCRC, 2018 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. WELDED WIRE FABRIC TO BE ASTM A185. MAINTAIN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1 1/2" IN SLABS. FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 1 1/2" FOR #5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR #6 BARS OR LARGER.
- 5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL CONFORM TO ASTM C270.
- 6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR S MORTAR. PIERS AND
- 7. THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE
- 8. ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NCRC, 2018 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TR68-A OR ACE 530/ASCE 5/TMS 402. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1(1), R404.1.1(2), R404.1.1(3), OR R404.1.1(4) OF THE NCRC, 2018 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1(5) OF THE NCRC, 2018 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).

FRAMING NOTES

- 1. ALL FRAMING LUMBER SHALL BE #2 SPF MINIMUM (Fb = 875 PSI, Fv = 375 PSI, E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE #2 SYP MINIMUM (Fb = 975 PSI, Fv =175 PSI, E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO).
- 2. LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2325 PSI, Fv = 310 PSI, E = 1550000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 7" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E =1800000 PSI. PARALLEL STRAND LUMBER (PSL) MORE THAN 7" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2900 PSI, E = 2000000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

W AND WT SHAPES: ASTM A992 CHANNELS AND ANGLES: ASTM A36 PLATES AND BARS: HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B STEEL PIPE: ASTM A53, GRADE B, TYPE E OR S

4. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH (UNO). PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS (UNO):

A. WOOD FRAMING (2) 1/2" DIA. x 4" LONG LAG SCREWS (2) 1/2" DIA. x 4" WEDGE ANCHORS C. MASONRY (FULLY GROUTED) (2) 1/2" DIA. x 4" LONG SIMPSON TITEN HD ANCHORS

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM w/ (2) ROWS OF SELF TAPPING SCREWS @ 16" O.C. OR (2) ROWS OF 1/2" DIAMETER BOLTS @ 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED w/ (2) ROWS OF 9/16" DIAMETER HOLES @ 16" O.C.

- 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SHADED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- 6. ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.7(1) AND R602.7(2) OF THE NCRC, 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (1) KING STUD EACH END (UNO), WHICHEVER IS GREATER ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 8d NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (UNO). INSTALL KING STUDS PER SECTION R602.7.5 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- 7. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE 1 1/2" MINIMUM BEARING (UNO). ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR FULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (UNO). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
- 8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS LOCATED AT 6" FROM EACH END
- 9. ALL I-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- 10. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION WALL BRACING CRITERIA. THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R602.10
- 11. PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD
- 12. FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (U.N.O). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING INSTALLED w/ (4) 12d NAILS EA. PLY BETWEEN WALL STUDS WITH (2) ROWS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R703.8.2.1 OF THE NCRC, 2018 EDITION.
- 13. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (UNO)
- 14. FOR TRUSSED ROOFS: FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 VALLEYS (UNO).
- 15. ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 700 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED USING ONE SIMPSON H6 OR LTS12 UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 16" SECTION OF SIMPSON CS16 COIL STRAPPING WITH (8) 8d HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.

SCALE NOTE:

LARGE FORMAT PRINTS ARE TO SCALE AS NOTED. 11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE



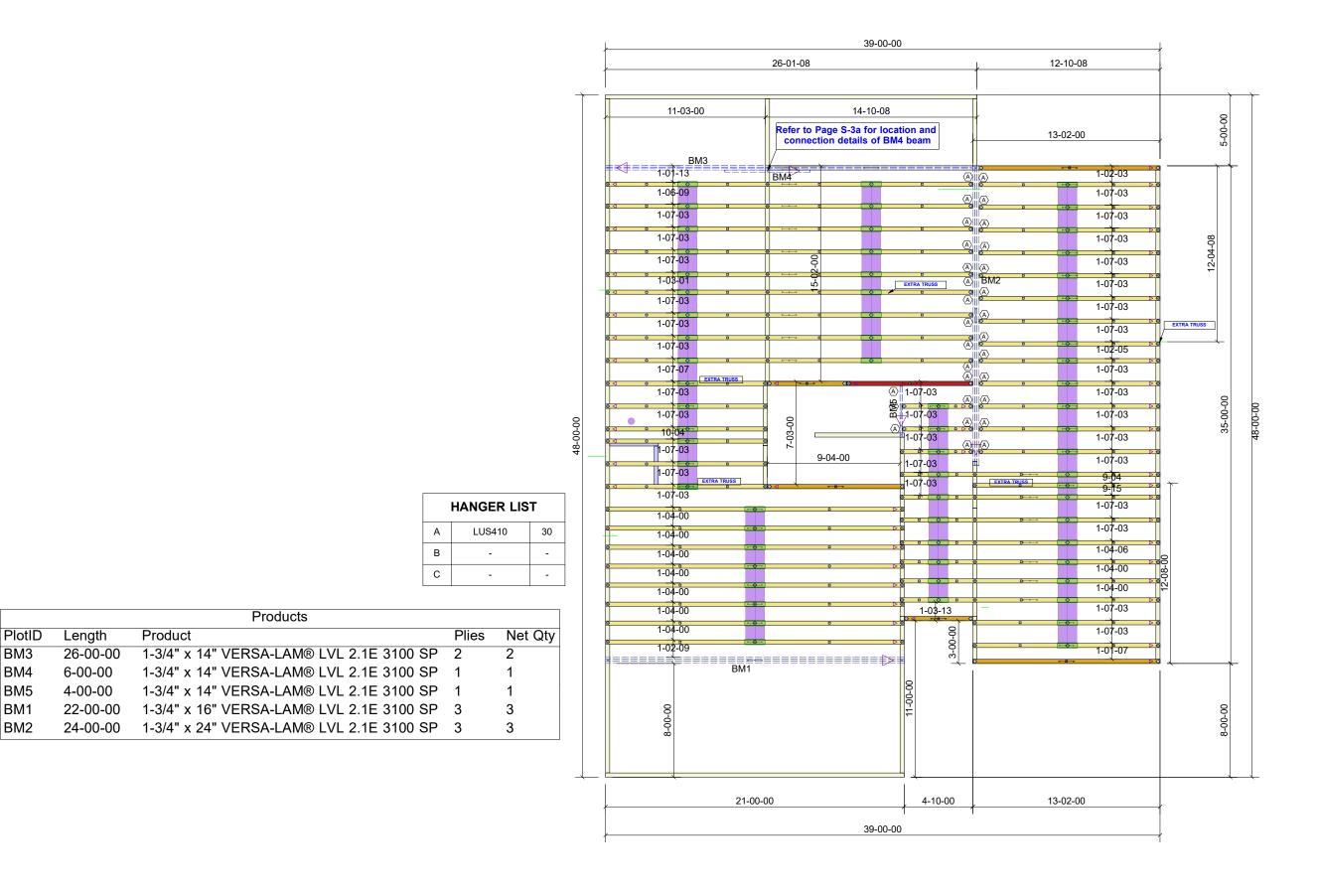
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DRAWN BY: MAIN STREET DE INEERED BY: ZHH

D-5 STANDARI STRUCTURAL NOTES

Retreat at North Main Lot 43



84 Components 200 Emmett Rd Dunn NC 28334 United States ffice: (910) 892-8400 FLOOR P04767-29205 **Davidson Homes North Main** North Retreat at Job# Retreat 43 43 2383-Dunn Location IΡ Designer DO NOT CUT, NOTCH, OR BORE HOLES UNLESS SPECIFIC, WRITTEN PERMISSION IS ROVIDED BY AN AUTHORIZED REPRESENTATIVE O TRUSS INSTALLATION REQUIRES TEMPORARY ANI PERMANENT BRACING. GENERAL GUIDANCE IS

PROVIDED IN SBCA DOC'S
B-1 and B-3. THESE ARE INCLUDED WITH EACH JO
IN YOUR TRUSS PACKET.

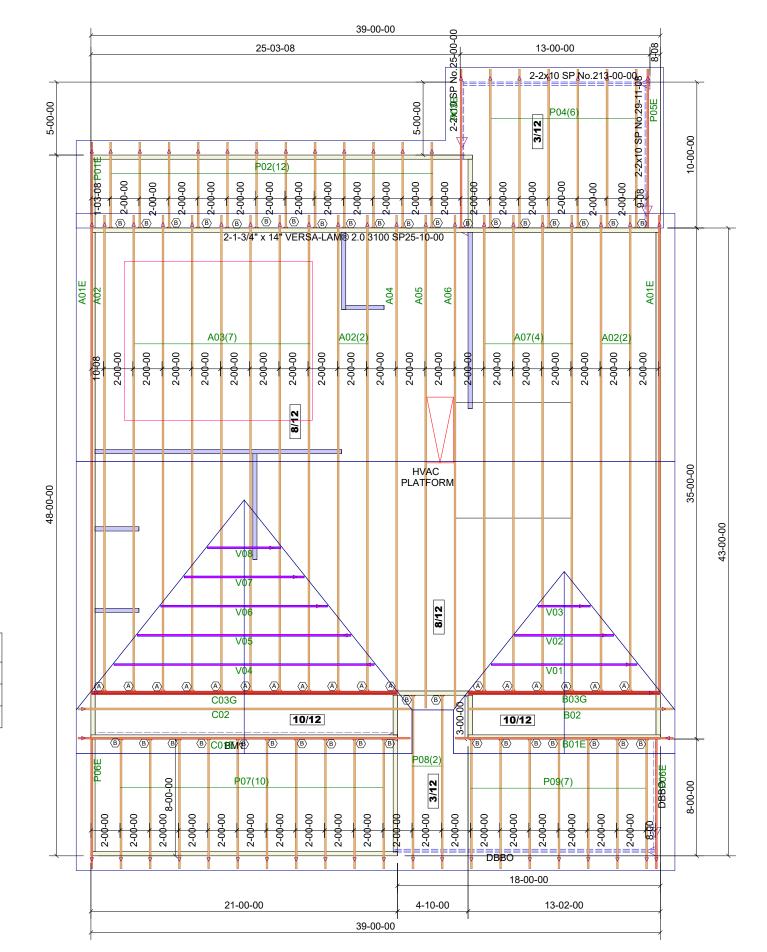
Sheet # 1 of 1

Roof Truss Placement Plan

NOT TO SCALE

DESIGNED DATE

8/21/2025



HANGER LIST					
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В	LUS26	38			
С	-	-			

Placement NOT TO SCA DESIGNED DA 8/22/2025	Pla	B-1 and B-3. Sh	DO NOT UNLESS SI PROVIDED BY ,	Design	Location	Davidson Homes	
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	s lan	H EACH JOE	PRE HOLES RESENTATIVE O	Harris	Dunn	Job# - P04767-29204	Dunn NC 28334 United States Office: (910) 892-8400

Office: (910) 892-8400