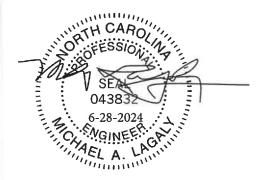
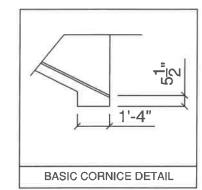
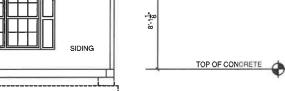
THESE PLANS, NOTES AND DETAILS ARE DESIGNED TO MEET THE 2018 EDITION OF THE NORTH CAROLINA RESIDENTIAL BUILDING CODE







RIDGE VENTS AS REQUIRED



BOTTOM OF HEADER @ 6'-11" U.N.O.

FRONT ELEVATION



PERMANENT 109-24-108 SWANN

GENERAL NOTES

1.) MAIN FLOOR PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.

2.) OPTIONAL BONUS PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.

3.) INTERIOR & EXTERIOR WALLS TO BE DRAWN @ 3 1/2" UNLESS NOTED OTHERWISE. 4.) ALL ANGLES TO BE DRAWN AT 45°

OR 90° UNLESS NOTED OTHERWISE. 6-11" UNLESS NOTED OTHERWISE. HEADER 6-11" UNLESS NOTED OTHERWISE. HEADER SIZE AND MATERIAL TO BE DETERMINED & VERIFIED BY FRAMER, BUILDER, TRUSS SHOP OR BY A LICENSED ENGINEER.

OR BY A LICENSED ENGINEER.
6.) SIZE, LOCATION AND MATERIALS OF BEAMS
TRUSSES, GIRDERS AND HEADERS TO BE
DETERMINED & VERIFIED BY BUILDER, FRAMER
TRUSS SHOP OR LICENSED ENGINEER.
7.) FOOTER SIZE, MATERIAL & LOCATIONS TO
BE VERIFIED AND DETERMINED BY BUILDER,
FOOTER CONTRACTOR OR LICENSED
ENGINEER.

8.) ROOF VENTILATION TO BE DETERMINED & VERIFIED BY A BUILDER, ROOFING CONTRACTOR OR LICENSED ENGINEER.

9.) ALL MECHANICAL SYSTEMS DESIGNS, LOCATIONS AND SIZING TO BE DETERMINED & VERIFIED BY BUILDER, APPROPRIATE TRADE CONTRACTOR AND OR LICENSED ENGINEER. 10.) BUILDER RESPONSIBLE FOR VERIFYING

TAKE PRECIDENCE OVER DRAWINGS. 12.) BUILDER TO VERIFY ALL DIMENSIONS.

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RedDoorHomesCarolinas.com

SQUARE FOOTAGE CHART

2757
2757
452
50
240
3499

JOB NUMBER & CLIENT NAME:

XXXXXXXXX

ELEVATION:

CLASSIC

TOWN/CITY: XXXXXXXXX

COUNTY:

XXXXXXXXX

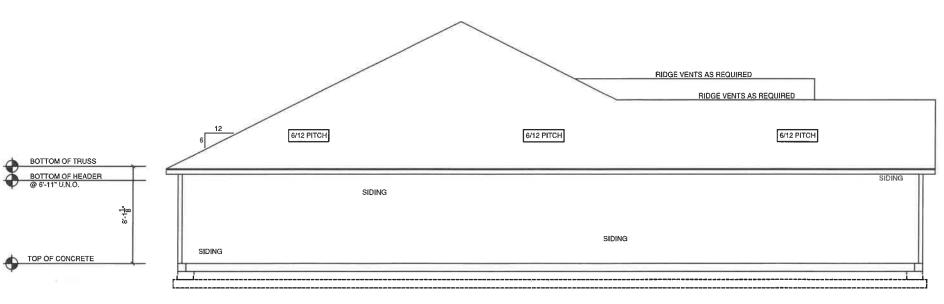
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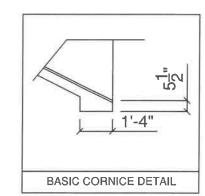
2022

DRAFTING UPDATES:

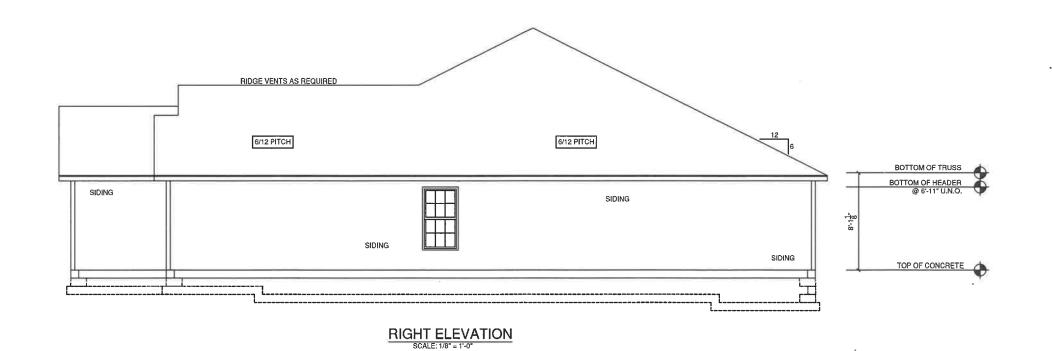
PRELIMINARY: 3/19/2024 JPH PRELIM. 2: 4/8/2024 JPH PERM: 4/18/2024 JPH FINAL

Front & Rear Elevation









PERMANENT 109-24-108 SWANN

GENERAL NOTES

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3.) INTERIOR & EXTERIOR WALLS TO BE DRAWN @ 3 1/2" UNLESS NOTED OTHERWISE.
4.) ALL ANGLES TO BE DRAWN AT 45° OR 90° UNLESS NOTED OTHERWISE.

6-11" UNLESS NOTED THERWISE.

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SIZE AND MATERIAL TO BE DETERMINED &
VERIFIED BY FRAMER, BUILDER, TRUSS SHOP
OR BY A LICENSED ENGINEER.

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FOOTER CONTRACTOR OR LICENSED
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CONTRACTOR OR LICENSED ENGINEER.

9.) ALL MECHANICAL SYSTEMS DESIGNS,
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& VERIFIED BY BUILDER, APPROPRIATE TRADE
CONTRACTOR AND OR LICENSED ENGINEER.

10.) BUILDER RESPONSIBLE FOR VERIFYING
AND COMPLYING WITH ALL LOCAL, STATE
& NATIONAL CODES.

11.) LOCAL, STATE AND NATIONAL CODES
TAKE PRECIDENCE OVER DRAWINGS.

12.) BUILDER TO VERIFY ALL DIMENSIONS.

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SQUARE FOOTAGE CHART

MAIN FLOOR AREA TO FRAMING:	2757
TOTAL HEATED & COOLED TO FRAMING:	2757
GARAGE AREA TO FRAMING:	452
FRONT PORCH AREA:	50
REAR PORCH AREA:	240
TOTAL UNDER BEAM AREA	3499

JOB NUMBER & CLIENT NAME:

XXXXXXXXX

ELEVATION:

CLASSIC

TOWN/CITY: XXXXXXXXX

COUNTY:

XXXXXXXXX

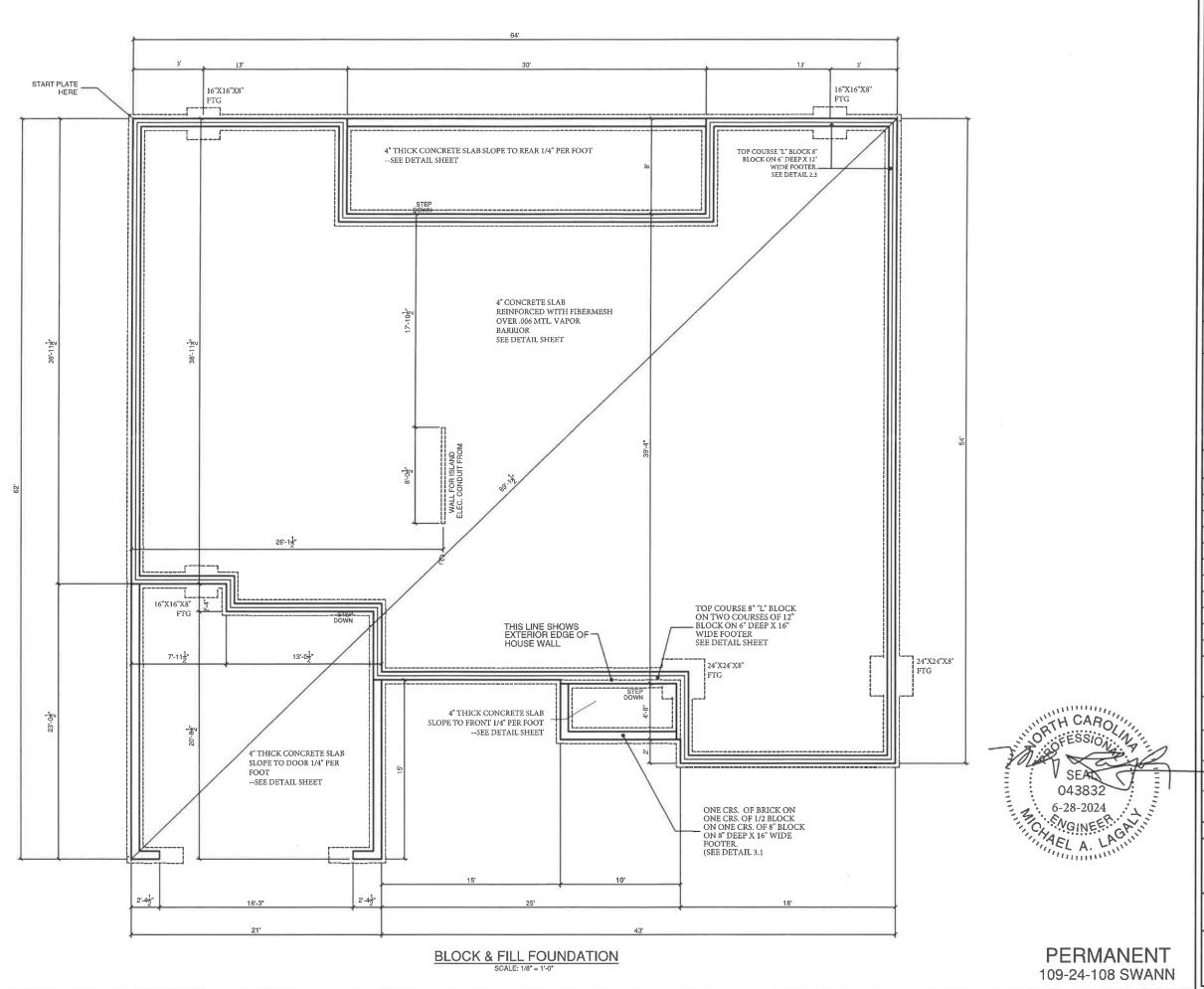
AUTHORED DATE:

2022

DRAFTING UPDATES:

PRELIMINARY: 3/19/2024 JPH PRELIM. 2: 4/8/2024 JPH PERM: 4/18/2024 JPH FINAL:

Right & Left Elevation



GENERAL NOTES

1.) MAIN FLOOR PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.

2.) OPTIONAL BONUS PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE,

3.) INTERIOR & EXTERIOR WALLS TO BE DRAWN @ 3 1/2" UNLESS NOTED OTHERWISE,
4.) ALL ANGLES TO BE DRAWN AT 45° OR 90° UNLESS NOTED OTHERWISE.

SAY UNLESS NOTED OTHERWISE.

5.) WINDOW HEADER HEIGHT TO BE SET @
6-11" UNLESS NOTED OTHERWISE. HEADER
SIZE AND MATERIAL TO BE DETERMINED &
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OR BY A LICENSED ENGINEER.

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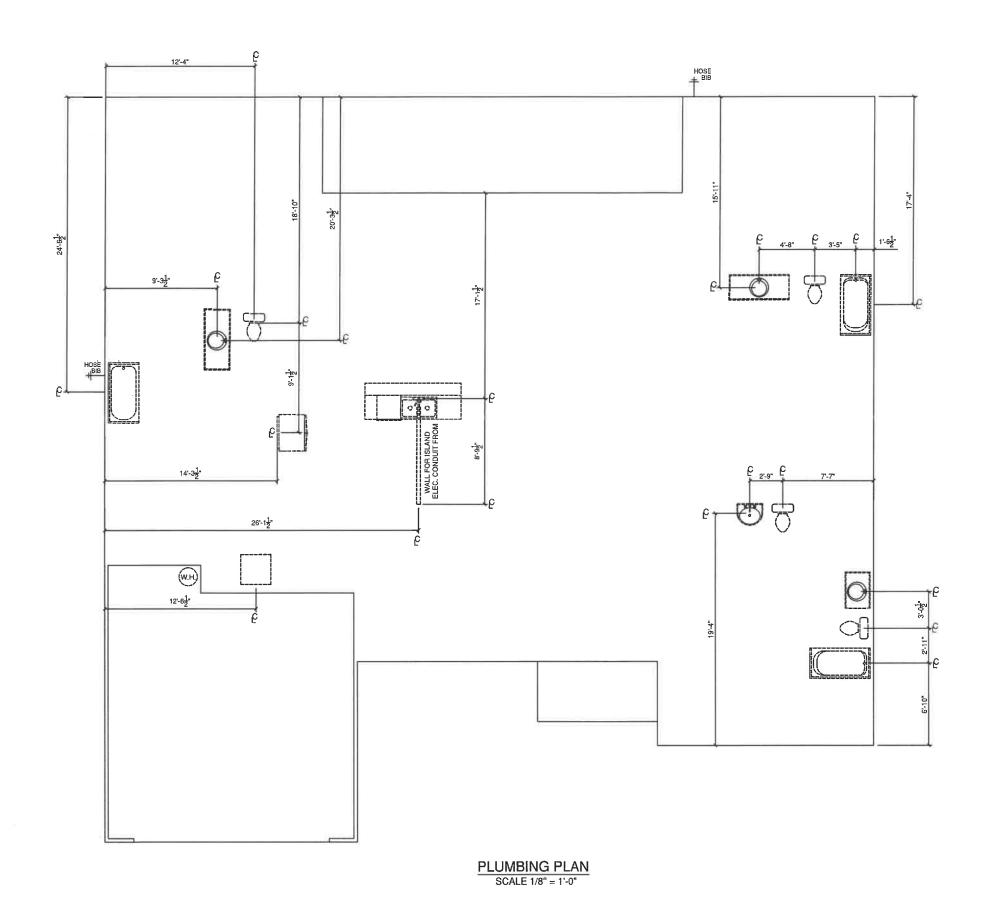
AUTHORED DATE: 2022

DRAFTING UPDATES:

PRELIMINARY: 3/19/2024 JPH PRELIM, 2: 4/8/2024 JPH PERM: 4/18/2024 JPH

Block & Fill Foundation

NOTE: DIMENSIONS TO THE CENTER OF PLUMBING FIXTURES



GENERAL NOTES

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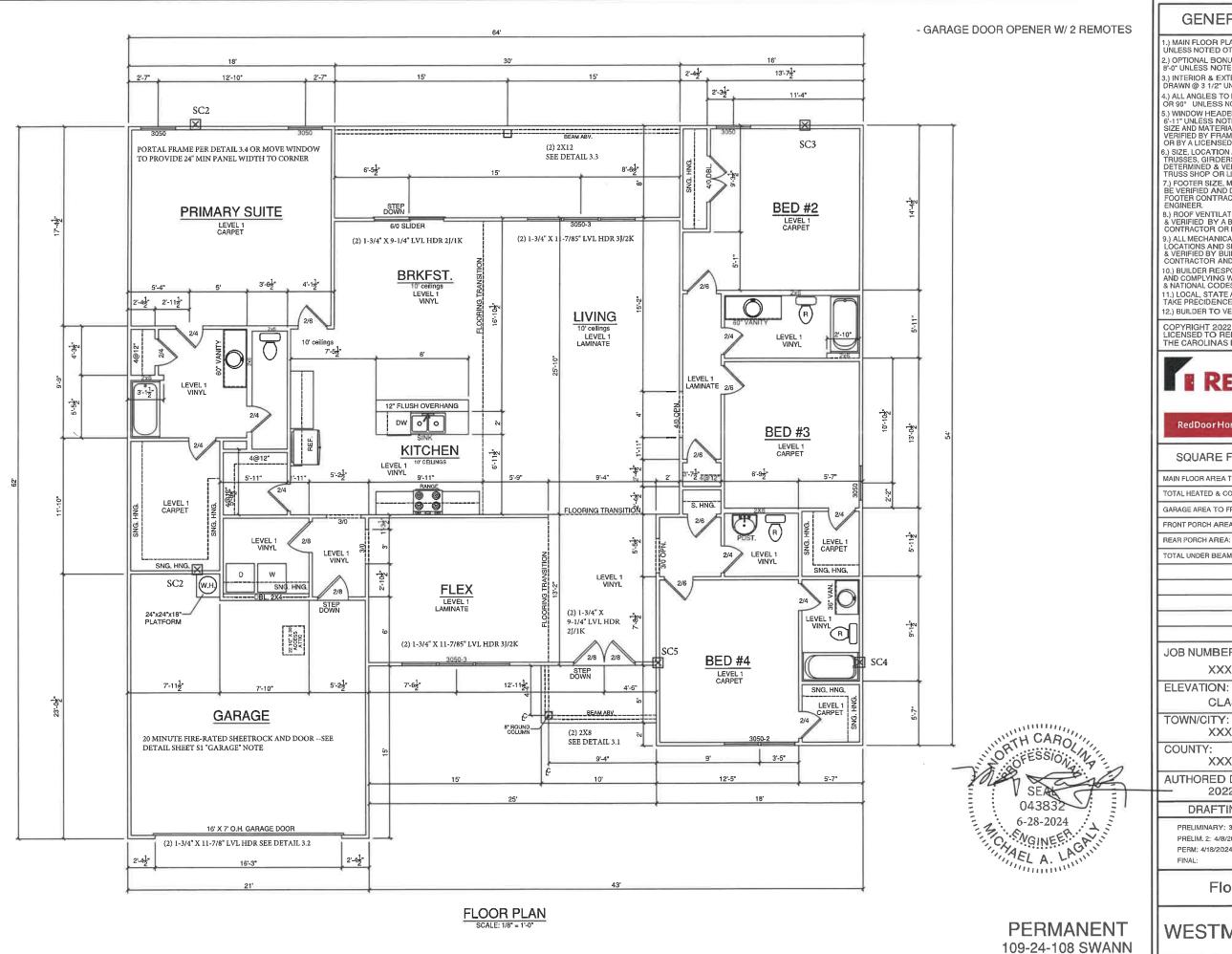
DRAFTING UPDATES:

PRELIMINARY: 3/19/2024 JPH PRELIM. 2: 4/8/2024 JPH PERM: 4/18/2024 JPH FINAL:

Plumbing Plan

WESTMORELAND

PERMANENT 109-24-108 SWANN



GENERAL NOTES

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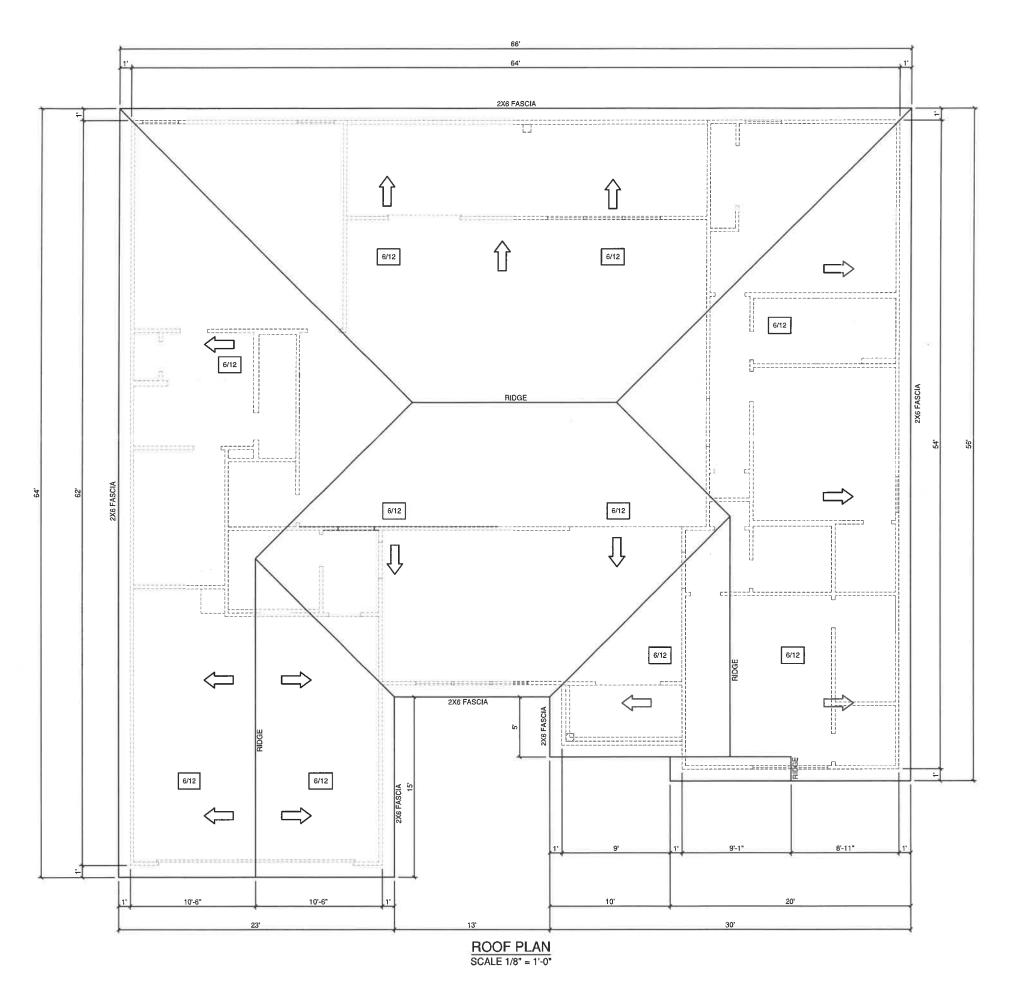
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AUTHORED DATE: 2022

DRAFTING UPDATES:

PRELIMINARY: 3/19/2024 JPH PRELIM, 2: 4/8/2024 JPH PERM: 4/18/2024 JPH FINAL:

Floor Plan



ROOF VENT AREA CALCULATION ATTIC AREA: 3499 SQ. FT. TOTAL VENT SPACE REQ'D: 23.4 SQ. FT. SOFFIT NFA REQ'D: 11.7 SQ. FT. RIDGE/GABLE NFA REQ'D: 11.7 SQ. FT.

TOTAL NET FREE VENT AREA CAN BE REDUCED BY HALF IF 50-80 PERCENT OF VENT SPACE IS LOCATED 3' OR MORE ABOVE THE EAVE VENTS

WHEN CLASS I OR II VAPOR RETARDER IS **INSATALLED PER R806.2**

SQ. INCHES 3499 SQ. FT. 11.7 SQ. FT. 5.83 SQ. FT. 5.83 SQ. FT. BUILDER MUST REVISE ROOF VENT CALCULATIONS WHEN HOME DESIGN IS ALTERED OR GARAGE IS ADDED CALCULATION 0 AREA (MAIN ROOF VENT RIDGE-VENTS - 18 SQ. INCHES PER LOMANCO 770 ROOF VENT - 70 SQ.



PERMANENT 109-24-108 SWANN

GENERAL NOTES

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JOB NUMBER & CLIENT NAME: XXXXXXXXX

ELEVATION:

CLASSIC

TOWN/CITY:

XXXXXXXXX

COUNTY:

XXXXXXXXX

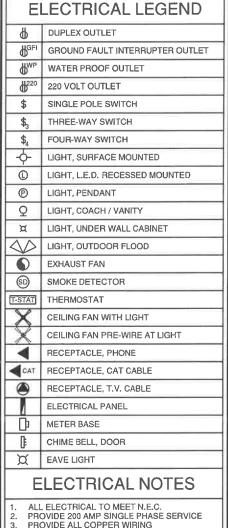
AUTHORED DATE: 2022

DRAFTING UPDATES:

PRELIM. 2: 4/8/2024 JPH PERM: 4/18/2024 JPH FINAL:

Roof Plan

- GARAGE DOOR OPENER W/ 2 REMOTES

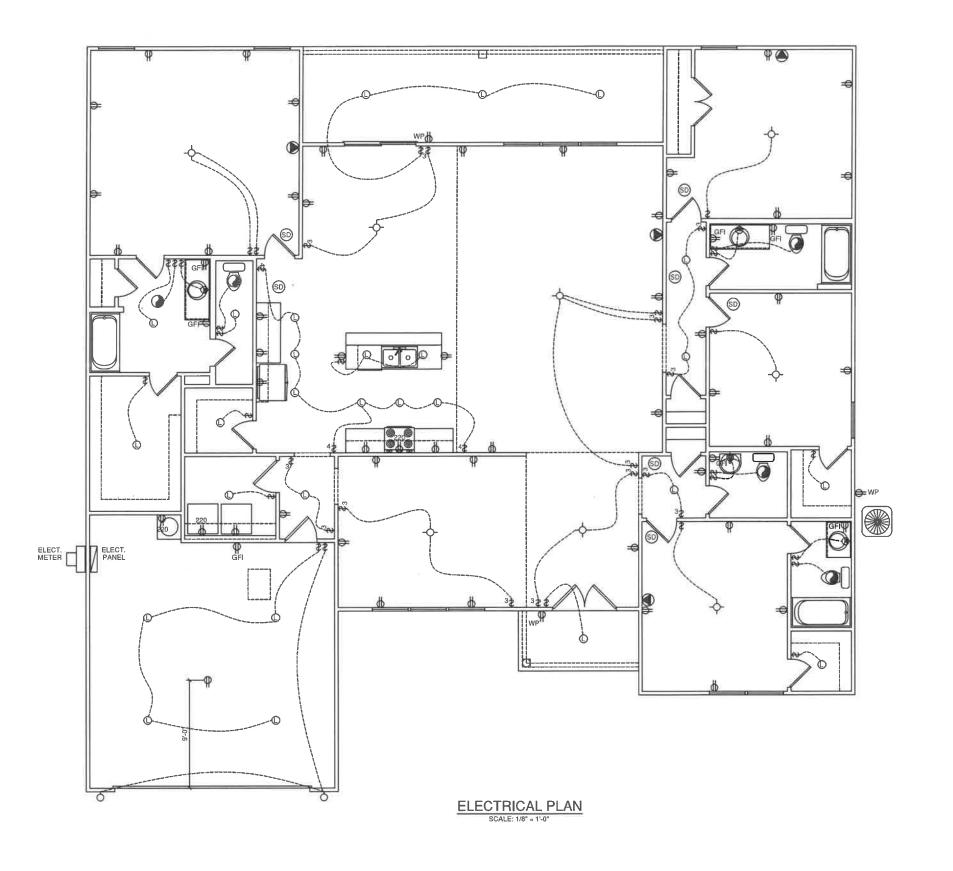


- CONTRACTOR TO CONNECT ALL FIXTURES AND APPLIANCES
- CONTRACTOR TO HAVE VALID LICENSE TO DO
- ELECTRICAL WORK
 PROVIDE #5 REBAR ELECTRICAL GROUND TO
- PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF
- ALL GOVERNING CODES PROVIDE AND INSTALL GROUND FAULT CIRCUIT- INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRICAL CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL
- UNLESS OTHERWISE INDICATED, INSTALL SWITCHES & RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE THE FINISHED

SWITCHES 42"

OUTLETS

TELEPHONE 14" TELEVISION 14"



GENERAL NOTES

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2,) OPTIONAL BONUS PLATE HEIGHT TO BE

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ENGINEER ENGINEEH.
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8. VERIFIED BY A BUILDER, ROOFING
CONTRACTOR OR LICENSED ENGINEER.
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SQUARE FOOTAGE CHART

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ELEVATION:

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TOWN/CITY: XXXXXXXXX

COUNTY:

XXXXXXXXX

AUTHORED DATE:

2022

DRAFTING UPDATES:

PRELIMINARY: 3/19/2024 JPH PRELIM. 2: 4/8/2024 JPH PERM: 4/18/2024 JPH FINAL:

Electrical Plan

WESTMORELAND

PERMANENT 109-24-108 SWANN

CABINET LEGEND

WC: WALL CABINET

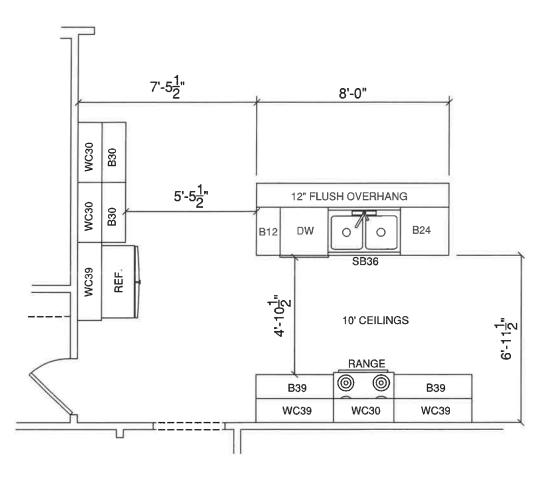
WCC: WALL CORNER **CABINET**

B: BASE CABINET SB: SINK BASE

CB: CORNER BASE

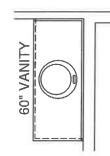
FINISHED CEILING NOTE: ALL UPPERS TO BE 30" U.N.O. NOTE: CABINET ABOVE ģ REF. TO BE 12" HIGH. N NOTE: CABINET ABOVE RANGE TO BE 12" HIGH. 1-6 œ 167 က FINISHED FLOOR INCLUDED 30" WALL CABS. SCALE: = 1/4" = 1'-0" OPTIONAL SCRIBE TRIM MLD'G. OPTIONAL CROWN MLD'G.

NOTE: ALL DIMENSIONS TO ROUGH FRAMING



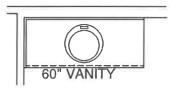
INCLUDED SAFFRON KITCHEN

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



PRIMARY VANITY I

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



HALL VANITY

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



JOB NUMBER & CLIENT NAME:

XXXXXXXXX

GENERAL NOTES

1.) MAIN FLOOR PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.
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RED DOOR

2757

452

50

240

3499

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SQUARE FOOTAGE CHART

MAIN FLOOR AREA TO FRAMING: TOTAL HEATED & COOLED TO FRAMING:

GARAGE AREA TO FRAMING:

TOTAL UNDER BEAM AREA

FRONT PORCH AREA:

REAR PORCH AREA:

ENGINEER.

8.) ROOF VENTILATION TO BE DETERMINED & VERIFIED BY A BUILDER, ROOFING CONTRACTOR OR LICENSED ENGINEER.

ELEVATION:

CLASSIC

TOWN/CITY:

XXXXXXXXX

COUNTY:

XXXXXXXXX

AUTHORED DATE:

2022

DRAFTING UPDATES:

PRELIMINARY: 3/19/2024 JPH PRELIM. 2: 4/8/2024 JPH PERM: 4/18/2024 JPH FINAL:

Cabinet Layout

PE	RM	ΑN	FN	Т
	24-10			-

GENERAL NOTES

- PLANS ARE ISSUED FOR THE CONDITIONAL USE TO BUILD THE STRUCTURE ON THE LOT OR ADDRESS SPECIFIED IN THE TITLE BLOCK. PLANS MUST HAVE SIGNED SEAL AND BE CONSTRUCTED ON THE SPECIFIED LOT OR ADDRESS TO BE VALID.

 ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S
- SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF GEOMETRY, MDL ENGINEERING SE3RVICES ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. ENGINEER OF RECORD TO BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.

 3. ALL CONSTRTUCTION WORKMANSHIP, MATERIAL QUALITY AND SELECTION SHALL
- BE IN ACCORDANCE WITH THE 2018 EDITION OF THE NORTH CAROLINA STATE BUILDING CODE. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE AND CODE SHALL TAKE PRECEDENCE OVER DIMENSIONS.
- SEALED ENGINEERING DRAWINGS TAKE PRECEDENCE OVER STANDARD DETAILS

CONSTRUCTION

- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS AND SAFETY ON-SITE. NOTIFY MDL ENGINEERING IMMEDIATELY IF DISCREPANCIES ON PLANS ARE DISCOVERED.
 ALL BEAMS TO BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR
- FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED WITH A MINIMUM
- 3. SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR OTHER STRUCTURAL COMPONENTS.
 4. ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH
- CONNECTIONS PER MANUFACTURER SPECIFICATIONS. 5. ENGINEERED FLOOR SYSTEMS, WALL SYSTEMS AND ROOF TRUSS SYSTEMS TO BE PROVIDED FOR REVIEW AND COORDINATED WITH THE ENGINEER OF RECORD
- PRIOR TO CONSTRUCTION. INSTALLATION TO BE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- 3. ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3-1/2" AND FULL FLANGE WIDTH U.N.O. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 12" X 4" LAG SCREWS U.N.O.
- 7. STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING TWO ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS AT BOTH ENDS. BOLTS TO BE SPACED AT 24" O.C. AND STAGGERED TOP AND BOTTOM OF THE BEAM (2" MIN. EDGE DISTANCE), WITH TWO BOLTS LOCATED AT 6" FROM EACH END.
- 8. ALL METAL HANGERS, STRAPS AND HOLD-DOWNS TO BE SIMPSON STRONG-TIE OR
- 9. SEE TABLE R602.3 NCRBC 2018 FOR STRUCTURAL MEMBER FASTENING REQUIREMENTS.

MATERIALS

- 1. INTERIOR FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING Fb=875 PSI Fv=70 PSI E=1.4E6 PSI
- FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING PROPERTIES: Fb=975 PSI Fv=95 PSI E=1.6E6 PSI
- 3. LVL (LAMINATED VENEER LUMBER) STRUCTURAL MEMBERS TO HAVE THE FOLLOWING Fb=2600 PSI Fv=285 PSI E=1.9E6 PSI
- . PSL (PARALLEL STRAND LUMBER) STRUCTURAL MEMBERS TO HAVE THE FOLLOWING
- Fb=2900 PSI Fv=290 PSI E=2.0E6 PSI
- LSL (LAMINATED STRAND LUMBER) STRUCTURAL MEMBERS TO HAVE THE FOLLOWING PROPERTIES:
- Fb=2250 PSI Fv=400 PSI E=1.55E6 PSI 3. STRUCTURAL STEEL WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A36, Fy=36 KSI
- REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60.
 POURED CONCRETE TO BE MINIMUM 3000 PSI @ 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN
- ACI 318 OR ASTM C 1157 CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING AS INDICATED IN
- TABLE R301 2(1) SHALL BE AIR ENTRAINED AS SPECIFIED IN TABLE R402.2. IO, MASONRY UNITS SHALL CONFORM TO ACI 530/ASCE 5/TMS 402 AND MORTAR SHALL COMPLY WITH ASTM C 270.

FOUNDATION MATERIALS:

- 1. PRESUMPTIVE LOAD-BEARING VALUES OF FOUNDATION MATERIALS TO BE PER
- 2. FOUNDATION MATERIALS MUST HAVE A MINIMUM LOAD-BEARING CAPACITY OF
- 3. TOP OR SUBSOILS FOUND TO BE COMPRESSIBLE OR SHIFTING TO BE REMOVED TO A DEPTH OF 12" BELOW AND DOUBLE THE WIDTH OF THE FOOTING AND REPLACED WITH COMPACTED SCREENINGS, WASHED 57 STONE OR CONCRETE. REMOVED SOILS SHALL NOT BE USED AS STRUCTURAL FILL.

DRAINAGE:

- 1. INSTALL AROUND FOUDATION, DRAIN TILES, GRAVEL OR CRUSHED STONE DRAINS,
- PERFERATED PIPES OR OTHER APPROVED SYSTEM AWS REQUIRED BY GRADE.
 2. FINISH GRADE OF LOT TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS AT A MINIMUM OF 6" WITHIN THE FIRST 10"

CAVITY ACCESS:

- 1. ATTIC ACCESS TO BE 22" X 30" MINIMUM.
- 2 ACCES SIZE MAY BE INCEASED IF MECHANICAL EQUIPMENT IS LOCATED IN CAVITY SEE NO

STAIRWAYS:

- 1. STAIRWAYS SHALL BE A MINIMUM OF 3' WIDE.
 2. HANDRAILS SHALL NOT PROJECT MORE THAN 4-1/2" ON EITHER SIDE.
 3. MINIMUM CLEAR WIDTH OF THE STAIRWAY AT AND BELOW THE HANDRAIL SHALL NOT BE LESS THAN 31 1/2" WHERE THE HANDRAIL IS INSTALLED ON ONE SIDE AND 27" WHERE HANDRAILS ARE ON BOTH SIDES.
- STAIRS NOT REQUIRED FOR EGRESS MAY BE AS NARROW AS 26'
- 5. MAXIMUM RISER HEIGHT SHALL BE 8-1/4" AND THE MINIMUM TREAD DEPTH SHALL BE 9".
 6. NOSING SHALL BE 3/4" MINIMUM AND 1-1/4" MAXIMUM
- 7. MINIMUM HEADROOM IN ALL PARTS OF THE STAIR SHALL NOT BE LESS THAN 6'-8" PER R311.7.2
 8. WINDERS MUST, AT A POINT NOT MORE THAN 12" FROM THE SIDE WHERE THE TREAD IS
- NARROWEST BE GREATER THAN 9" AND THE MINIMUM WIDTH OF ANY TREAD AT ANY POINT MUST

HANDRAIL AND GUARD

- 1. HANDRAILS SHALL HAVE A MINIMUM HEIGHT OF 34" AND A MAXIMUM HEIGHT OF 38" 2. PORCHES, BALCONIES OR RAISED FLOORS OVER 30" ABOVE FLOOR OR GRADE
- SHALL HAVE GUARDRAILS NO LESS THAN 36" HIGH.
 3. STAIRS THAT HAVE A RISE OF 30" ABOVE THE FLOOR SHALL HAVE HANDRAILS OF 34" MIN HEIGHT
- 4. GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOORS, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSERS THAT DO NOT ALLOW PASSAGE OF AN OBJECT 4" OR MORE IN DIAMETER ON VERTICAL MEMBERS OR 6" ON HORIZONTAL MEMBERS.

EMERGENCY EGRESS:

- 1. OPENINGS PROVIDED FOR MEANS OF ESCAPE CANNOT HAVE A SILL HEIGHT OF MORE THAN 44" ABOVE FINISHED FLOOR.
 2. ESCAPE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 4 SQ. FT. WITH A
- MINIMUM CLEAR OPENING HEIGHT OF 20".
- 3. ESCAPE OPENING SHALL HAVE A MINIMUM TOTAL GLASS AREA OF 5 SQ. FT. FOR A GROUND WINDOW AND 5.7 SQ. FT. FOR AN UPPER STORY WINDOW. 4. REQUIRED EXIT DOORS SHALL BE NO LESS THAN 3'0" X 6'-8",

GARAGE

- 1. DOOR FROM GARAGE TO HOUSE MUST BE 1-3/8" THICK SOLID WOOD, HONEYCOMBED CORE STEEL OR 20 MINUTE FIRE RATED PER R302.5.1.
- GARAGE TO BE SEPARATED FROM THE RESIDENCE AS REQUIRED BY TABLE R302.6.

 1/2" GYPSUM OR EQUIVALENT APPLIED TO GARAGE SIDE FOR WALLS AND ATTICS. 5/8" TYPE X GYPSUM OR EQUIVALENT APPLIED TO CEILINGS BELOW HABITABLE ROOMS.

 3. SLOPE GARAGE SLAB TOWARDS DOOR AT 1/4" PER FOOT.

ANCHORAGE:

APPROVED FASTENERS.

- 1. WOOD SOLE PLATE AT EXTERIOR WALLS ON MONOLITHIC SLAB FOUNDATIONS AND THE WOOD SILL PLATE SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS SPACED A
 MAXIMUM OD 6' O.C. AND LOCATED 12" FROM THE ENDS OF EACH PLATE SECTION. BOLTS SHALL BE AT LEAST 1/2" IN DIAMETER AND EMBEDED A MIONIMUM OF 7" INTO MASONRY OR CONCRETE.

 2. BOLTS MAY BE REPLACED BY ANCHOR STRAPS, SPACED AS REQUIRED TO PROVIDE
- EQUIVALENT ANCHORAGE.

 3. INTERIOR BEARING WALL SOLE PLATES ON MONOLITHIC SLABS SHALL BE ANCHORED WITH

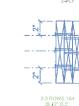
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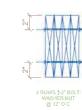
- 1. ALL EXTERIOR WALLS CONTINUOUSLY SHEATHED WITH 7/16" OSB EXTERIOR
- AND 1/2" GYPSUM INSIDE UNO.
 2. OSB TO BE NAILED USING 8d @ 6" O.C. ON EDGE AND 12" O.C. ON ALL
- GYPSUM FASTENED USING 1-1/8" MINIMUM SCREWS SPACED @ 7" O.C. ALONG ALL EDGES AND ALL INTERMEDIATE STUDS.

DESIGN LOADS

TABLE R301.5	LIVE LOAD
	(PSF)
ATTICS W/O STORAGE	` 1Ó
ATTICS WITH STORAGE	20
ATTICS W/ FIXED STAIRS	30
DECKS & EXTERIOR BALCONIES	40
FIRE ESCAPES	40
GUARDRAILS AND HANDRAILS	200
GUARG IN-FILL COMPONENTS	50
PASSENGER VEHICLE GARAGES	50
ROOMS OTHER THAN SLEEPING ROOMS	40
SLEEPING ROOMS	30
STAIRS	40
SNOW (TABLE R301.2(1))	20







GIRDER FASTENINGSCHEDULE N.T.S.

ULTIMATE DESIGN WIND SPEED: 120 MPH

DESIGN POSITIVE AND NEGATIVE PRESSURE FOR DOORS AND WINDOWS SHALL BE 25 PSF

DESIGN POSITIVE AND NEGATIVE PRESSURE FOR WALL CLADDING SHALL BE 24.1 PSF

DESIGN POSITIVE AND NEGATIVE PRESSURE FOR ROOF COMPONENT AND CLADDING SHALL BE: 34.8 PSF FOR MEAN ROOF HEIGHT TO 30' 36.5 PSF FOR MEAN ROOF HEIGHT TO 35 37.9 PSF FOR MEAN ROOF HEIGHT TO 40

VALUES FOR ENERGY COMPLIANCE R-VALUES ARE MINIMUM (N1102.1.2) U-VALUES ARE MAXIMUM (N1102.1.4) REFER TO N1102 FOR ALL OTHER

HEADER SCHEDULE U.N.O.

HDR SIZE	SPAN
(2) 2 X 8	0 TO 4'-8"
(2) 2 X 10	4'-8" TO 5'-6"
(2) 2 X 12	5'-6" TO 6'-5"

SUPPORT COLUMN

CALLOUT	USE
SC2	2 - 2 X 4
SC3	3 - 2 X ²
SC4	4 - 2 X 4
SC5	5-2 X 4

ROOF TRUSS TIE SCHEDULE

UPLIFT	SIMPSON	FASTENER
(MAX. LBS.)	(OR EQUIV.)	TO TRUSS
400	Ĥ1	(6) 8d X 1 1/2"
545	H2.5T	(5) 8d
1015	H10A	(9) 10d X 1 1/2"
1450	H10A +HGA10	(4) 1/4" X 1 1/2" SDS
1885	H10A +HGA10 X2	(8) 1/4" X 1 1/2" SDS
3830	HTT4	(18) SD #10 X 1 1/2"
4845	HTT4 +H10A	(9) 10d X 1 1/2"



FASTENER

(5) 8d (9) 10d X 1 1/2"

TO TOP PLATE

(9) 10d X 1 1/2"

(8) 1/4" X 1 1/2" SDS

THESE PLANS, NOTES AND DETAILS ARE DESIGNED TO MEET THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.

THIS DETAIL SHEET IS TO BE USED ONLY IN CONJUNCTION WITH PLANS CREATED BY RED DOOR HOMES.

ENGINEERING SERVICES 213 Linton Banks PL Cary, NC 27513

(919) 999-8153

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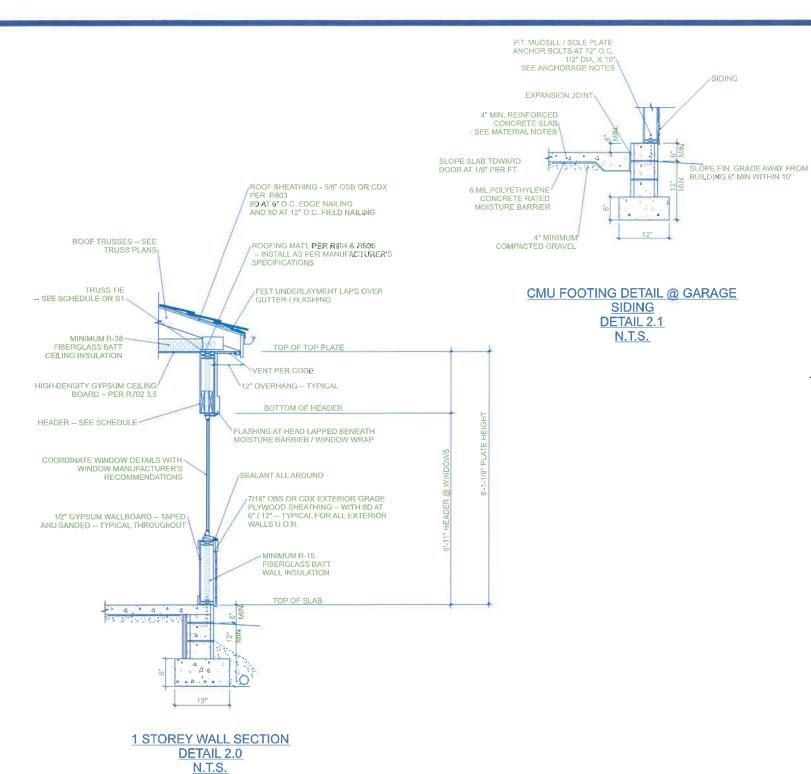
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GARAGE DOOR
RECESSED THRESHHOLD CAST
INTO SLAB TO CONTROL WATER
OPTIONAL.

EXPANSION JOINT

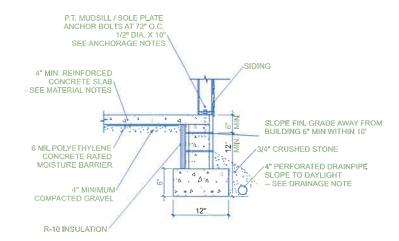
SLOPE SLAB TOWARD
DOOR AT 1/4" PER FT.

6 MIL POLYETHYLENE
CONCRETE RATED
MOISTURE BARRIER

4" MINIMUM
COMPACTED GRAVEL

12"

CMU FOOTING DETAIL @ GARAGE DOOR DETAIL 2.2 N.T.S.



CMU FOOTING DETAIL
SIDING
DETAIL 2.3
N.T.S.

MDL ENGINEERING SERVICES

> 213 Linton Banks Pl. Cary, NC 27513 (919) 999-8153

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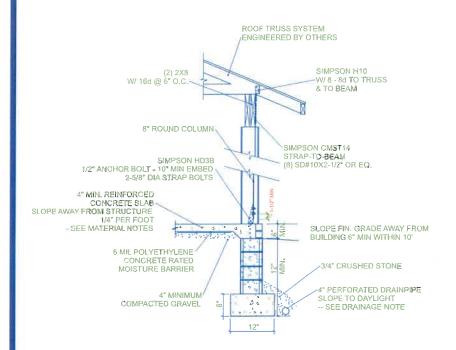
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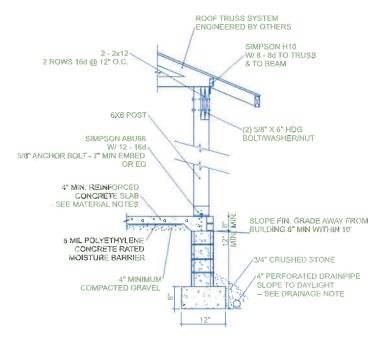
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FRONT PORCH
PORCH FOOTING
POST AND BEAM CONNECTION
DETAIL 3.1
N.T.S.

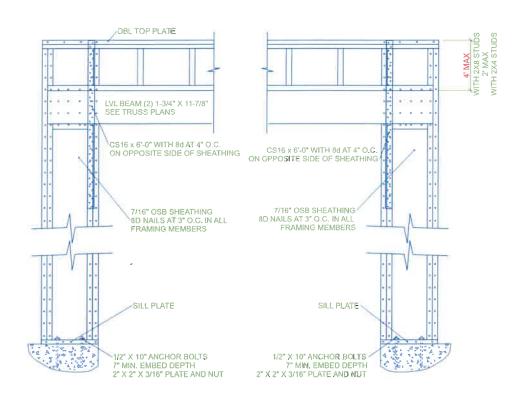


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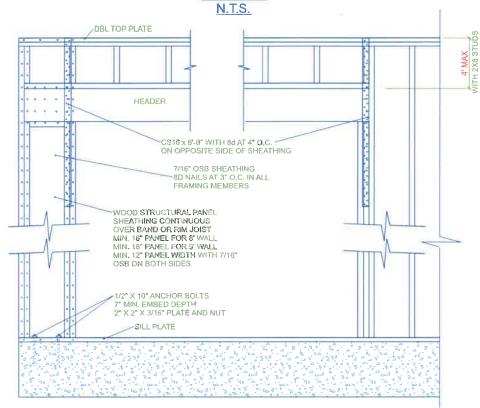
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REAR PORCH
CMU FOOTING
POST AND BEAM CONNECTION
DETAIL 3.3
N.T.S.



PORTAL FRAME AT 2-CAR GARAGE DOOR
PER R602.10.1
DETAIL 3.2



PORTAL FRAME AT WINDOW
DETAIL 3.4
PER R602.10.1
N.T.S.

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