

DETACHED SINGLE FAMILY DWELLING

MODEL 6260 - GARAGE LEFT

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AREA SCHEDULE	
FIRST FLOOR HEATED *	1,206 SF
SECOND FLOOR HEATED *	1,460 SF
TOTAL HEATED AREA	2,666 SF
GARAGE **	384 SF
COVERED FRONT PORCH ***	60 SF
TOTAL COVERED AREA	3,110 SF
OPT. SUNROOM	142 SF
OPT. REAR COVERED PORCH	146 SF

- * ADD 14 SF @ ELEV. C
- ** ADD 252 SF @ THIRD-CAR GARAGE OPTION
- *** 61 SF @ ELEV. A
115 SF @ ELEV. C
130 SF @ ELEV. D/F/ELEV. B W/ FULL PORCH OPTION
131 SF @ ELEV. A W/ FULL PORCH OPTION

Homesite 128
Plan 6260
Elevation A
Garage Left

- Mono Slab
- Patio
- Full Front Porch
- Rear Covered Porch
- First Floor Full Bath
- Alternate #2 Kitchen Layout
- Deluxe #1 Primary Bath
- Second Floor Pickets and Rails
- Double Bowl Sink at Hall Bath
- Laundry Sink

GENERAL NOTES

D1. GENERAL CONDITIONS

- STAIRS: ALL STAIRS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS ESTABLISHED BY THE ADOPTED BUILDING CODE. STAIR INFORMATION - MAXIMUM STAIR RISER 8-1/4"; MINIMUM STAIR TREAD 9" WITH A 3/4" - 1-1/4" NOSING ON STAIRS WITH SOLID RISER. MINIMUM STAIR HEADROOM 8'-0" CLEAR MEASURED VERTICALLY FROM THE STAIR NOSING OR FROM THE FLOOR SURFACE OF THE LANDING OR PLATFORM. MINIMUM CLEAR STAIR OPENING WIDTH SHALL NOT BE LESS THAN 36 INCHES. STAIRS WITH OPEN RISERS SHALL BE CONSTRUCTED TO PREVENT THE PASSAGE OF A SPHERE OF 4 INCHES OR MORE IN DIAMETER THROUGH THE RISER OPENINGS. THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCHES. THE GREATEST TREAD RUN WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCHES.
- HANDRAILS AND GUARDRAILS: HANDRAILS MUST HAVE A MINIMUM AND MAXIMUM HEIGHT OF 34 INCHES AND 38 INCHES, RESPECTIVELY, MEASURED VERTICALLY FROM THE NOSING OF THE TREADS, AND SHALL BE PROVIDED ONE AT LEAST ON SIDE OF STAIRWAYS OF FOUR OR MORE RISERS. HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS. ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. ALL STAIRWAY HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF AT LEAST 1-1/4 INCHES AND NOT GREATER THAN 2 INCHES MAX. OR APPROVED RAILS OF EQUIVALENT GRASPABILITY. HANDRAILS PROJECTING FROM THE WALL SHALL HAVE A SPACE OF NOT LESS THAN 1-1/2 INCHES BETWEEN THE WALL AND THE HANDRAIL. GUARDRAILS NOT LESS THAN 36 INCHES IN HEIGHT AND SHALL BE INSTALLED AT ALL PORCHES, BALCONIES, OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW.
- WINDOW SUPPLIER IS TO CERTIFY THAT THE WINDOWS PROVIDED FOR BEDROOMS MEET THE GOVERNING BUILDING CODE EGRESS AND FALL PREVENTION REQUIREMENTS. IF LARGER WINDOWS ARE REQUIRED THAN THOSE SHOWN ON THE PLANS, THE SUPPLIER SHALL NOTIFY THE BUILDER AND THE BUILDER SHALL SUBSTITUTE THE LARGER WINDOWS FOR THOSE SHOWN ON THE PLANS. THE BUILDER SHALL CONFIRM WINDOW SIZES BY COMPLETING THE ROUGH FRAME OPENINGS BEFORE THE WINDOWS ARE ORDERED. GLAZING AT ALL WINDOWS, DOORS, TUBS, FIXED GLASS PANELS, Sidelights, ETC. MUST MEET THE REQUIREMENTS OF THE GOVERNING CODE WITH SPECIAL ATTENTION PAID TO GLAZING AT HAZARDOUS LOCATIONS PER IRC SECTION R308.
- ALL VENTED CRAWL OR ATTIC SPACES SHALL BE PROVIDED WITH VENTS TO ALLOW A FLOW OF AIR THROUGH THE SPACE. FREE VENT AREA IS TO BE AS FOLLOWS: CRAWL VENTS SHOULD EQUAL 1/150 OF GROUND AREA. ROOF VENTS 1/300 OF CEILING AREA WITH VENTS DISTRIBUTED PER THE GOVERNING BUILDING CODE. PROVIDE ACCESS OPENINGS TO CRAWL (18" X 24" MIN) AND ATTIC (22" X 30" MIN. WITH 30" HEADROOM) OR SIZED FOR REMOVAL OF MECHANICAL EQUIPMENT IF LOCATED IN ATTIC PER IRC M1305.1.3.
- WHERE DRAWINGS OR INFORMATION IS IN CONFLICT WITH OTHER DRAWINGS OR DETAILS, THE BUILDER SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IN ORDER THAT A CLARIFICATION NOTICE CAN BE ISSUED.
- ALL COMPONENTS AND CLADDING SHALL BE ATTACHED FOR WIND SPEED REQUIREMENTS NOTED ON THIS COVER SHEET OR PER THE GOVERNING BUILDING OFFICIAL'S REQUIREMENTS.

D2. SITE WORK

- PRESUMED SOIL BEARING CAPACITY IS NOTED ON THIS COVER SHEET. THE BUILDER IS RESPONSIBLE FOR VERIFYING THIS BEARING CAPACITY. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL.
- THE BOTTOM OF ALL FOOTINGS SHALL BE BELOW THE FROST LINE AS DEFINED BY THIS COVER SHEET, THE DRAWINGS OR THE GOVERNING BUILDING OFFICIAL'S REQUIREMENTS AND/OR 12" MINIMUM.
- FOR BASEMENT CONDITIONS, THE MAXIMUM VERTICAL DISTANCE MEASURED FROM THE TOP OF A BASEMENT FLOOR SLAB TO THE OUTSIDE FINISHED GRADE SHALL NOT EXCEED DISTANCES FOR THE WALL THICKNESS AS SHOWN IN IRC TABLES R-404.1.1 (1-4) OR R-404.1.2 (1-9) BASED ON WALL TYPE AND SOIL CLASS.
- DO NOT BACKFILL UNTIL WALLS HAVE CURED AND THE ENTIRE BUILDING STRUCTURE ABOVE IS IN PLACE. BACKFILL SHALL BE CLEAN GRANULAR FILL, FREE OF ORGANIC MATERIAL, PLACED EQUALLY ON ALL SIDES, COMPACTED TO 95% MAXIMUM DRY DENSITY PER ASTM D698.
- FINISHED GRADE SHALL SLOPE AWAY FROM THE BUILDING AT A MINIMUM SLOPE OF 6 INCHES PER FOOT A MINIMUM DISTANCE OF 10 FEET FROM THE BUILDING PER IRC SECTION R401.3.
- TERMITE TREATMENT - TREAT INTERIOR AND EXTERIOR EARTH AT PERIMETER WITH EPA APPROVED TERMICIDE. SPRAY BORA-CARE OR EQ. TERMICIDE & MOLD TREATMENT ON STUDS 3 FEET ABOVE SLABS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE TERMITE SHIELDS WHERE SHOWN ON PLANS.

D3. CAST-IN-PLACE CONCRETE

- CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI. EXTERIOR SLABS TO BE 3,000 PSI, MIN. 5# & MAX. 7# AIR ENTRAINED CONCRETE.
- CONCRETE PLACEMENT SHALL COMPLY WITH RECOMMENDATIONS OF ACI 332.
- CONCRETE SLABS SHALL HAVE POLYPROPYLENE FIBER ADDITIVE (1.5 LB/CY) OR WWF REINFORCEMENT 6 X 6, W1.4 X W1.4 PER ASTM A 185 LOCATED MIDWAY THROUGH THE SLAB THICKNESS. ALL SLABS ARE TO BEAR ON COMPACTED FILL TESTED FOR 95% MAXIMUM DRY DENSITY PER ASTM D698.
- REINFORCING STEEL WHERE SHOWN ON PLANS SHALL CONFORM TO ASTM A615, GRADE 60 MIN., DEFORMED.
- PROVIDE A 6 MIL. POLYETHYLENE MOISTURE VAPOR BARRIER MEMBRANE UNDER INTERIOR AND GARAGE CONCRETE SLABS AND FOOTINGS WHERE INDICATED ON THE DRAWINGS. LAP SHEETS 6" MIN. AT JOINTS.
- COVERED PORCHES SLABS SHALL SLOPE AT A MINIMUM SLOPE OF 1/8" PER FOOT TO DRAIN WATER AWAY FROM EXTERIOR WALLS. UNCOVERED PATIO SLABS SHALL SLOPE AT 1/4" PER FOOT.

D4. MASONRY

- CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90, GRADE N, NORMAL WEIGHT UNITS.
- MORTAR TO BE TYPE "M" WITH A 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI. PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCING EVERY OTHER COURSE. MORTAR TO MEET ASTM C270 STANDARDS.
- GROUT SHALL MEET THE REQUIREMENTS OF ASTM C476 WITH A 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI. GROUT ALL CELLS RECEIVING ANCHORS AND THE TOP COURSE OF ALL BEARING WALLS.
- FACE BRICK SHALL BE STANDARD SIZE AND COMPLY WITH ASTM C216, RUNNING BOND WITH TOOKED JOINT APPLICATION. SECURE BRICK VENEER TO WALL STUDS WITH 22 GA. GALV. METAL TIES ATTACHED TO STUDS WITH #4 NAILS SPACING AS SHOWN ON PLANS.
- APPLY A BITUMINOUS WATERPROOF MEMBRANE TO THE EXTERIOR OF ALL BASEMENT WALLS TO BE BELOW GRADE AFTER BACKFILLING.
- MANUFACTURED STONE WHERE SHOWN ON PLANS, SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAILS AND THE MASONRY VENEER MANUFACTURERS ASSOCIATION (MVA) "INSTALLATION GUIDE AND DETAILING OPTIONS FOR COMPLIANCE WITH ASTM C1780.

D5. STRUCTURAL STEEL

- STEEL BEAMS AND PLATES SHALL CONFORM WITH ASTM A36. STEEL COLUMNS SHALL CONFORM TO ASTM A53.
- ALL STRUCTURAL STEEL SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT AISC SPECIFICATIONS AND "STEEL CONSTRUCTION MANUAL." ALL PIPE COLUMNS SHALL BE STANDARD WEIGHT STEEL COLUMNS IN ACCORDANCE WITH ASTM A500 AND FINISHED WITH CORROSION RESISTANT COATING PER ASTM B117. STEEL COLUMNS AT BASEMENT LOCATIONS SHALL PENETRATE THE BASEMENT SLAB DOWN TO THE TOP OF THE COLUMN FOOTING BELOW SLAB.
- ALL BRCK STEEL LINTELS SHALL BE SIZED PER STRUCTURAL DRAWINGS ON SHEET SD1.

D6. WOOD

- FRAMING LUMBER SHALL BE IDENTIFIED BY A GRADE MARK OR CERTIFICATE OF INSPECTION WHICH PROVIDES THE FOLLOWING MINIMUM DESIGN VALUES:

MEMBER	GRADE	VALUES
FRAMING LUMBER	HEM/SYP/SPF #2 OR BETTER	F _b = 875 PSI F _v = 975 PSI
PRESSURE TREATED LUMBER	SYP #2 OR BETTER	F _c = 425 PSI
PLATES	HEM/SYP/SPF #3	F _b = 275 PSI
BLOCKING	STANDARD	F _b = 275 PSI
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN WOOD COUNCIL (AWC), "WOOD FRAME CONSTRUCTION MANUAL" (WFCM) AND SHALL COMPLY WITH IRC R301.1 TO SUPPORT AND TRANSFER ALL LOADS SAFELY TO THE FOUNDATION.
- THE DESIGN LOADS FOR PREFABRICATED WOOD TRUSSES ARE PER THESE SPECS., THE GOVERNING BUILDING CODE AND CURRENT EDITIONS OF TR-1 AND NDS. THE TRUSS MANUF. SHALL PROVIDE SHOP DRAWINGS, SEALED BY A STATE-LICENSED DESIGN PROFESSIONAL, FOR APPROVAL PRIOR TO FABRICATION. INSTALL TRUSSES AND ENGINEERED LUMBER IN STRICT ACCORDANCE WITH THE SHOP DRAWINGS AND WTCA-81 AND WTCA-82. ALL POINT LOADS, PARTIAL UNIFORM LOADS OR COMBINATIONS THEREOF SHALL BE DETERMINED BY THE TRUSS MANUFACTURER AND ACCOUNTED FOR IN THE DESIGN OF THE ROOF AND/OR FLOOR SYSTEM.
- PREFABRICATED WOOD-JOISTS SHALL BE RATED PER ASTM D5055 AND INSTALLED PER SHOP DRAWINGS AND DETAILS PROVIDED BY THE MANUFACTURER.
- HANGERS, ANCHORS AND FASTENERS, WHEN CALLED FOR IN SHOP DRAWINGS OR THESE DRAWINGS, SHALL BE INSTALLED IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- ALL HANGERS, FRAMING ANCHORS AND FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD TO BE STAINLESS STEEL OR GALVANIZED PER G185 RATING "Z-MAX" COATING BY SIMPSON OR "TRIPLE ZINC" BY USP.
- BEAMS AND HEADERS ARE TO BEAR ON JACK STUDS AS NOTED ON THE PLANS, SHOP DRAWINGS, OR PER CODE. PROVIDE SOLID BLOCKING BELOW ALL JACK STUDS FORMING A CONTINUOUS BEARING LINE TO THE FOUNDATION.
- ALL LUMBER IN CONTACT WITH EARTH, CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. FIELD TREAT SAWED, DRILLED OR NOTCHED TREATED LUMBER PER AWPA M4-11.
- PROVIDE STRUCTURAL SHEATHING WHERE NOTED ON PLANS. ALL WOOD SHEATHING SHALL BE APA RATED FOR INTENDED USE AND SUPPORT SPANS. INSTALL ROOF SHEATHING WITH "H" CLIPS BETWEEN TRUSSES.
- INSTALL FIBERLOCKING PER R302.11 TO CUT OFF DRAFT OPENINGS AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES, BETWEEN STORES, AND BETWEEN THE TOP STORY AND ROOF.
- STUDS FOR EXTERIOR WALLS SHALL BE SIZED PER THE INTERNATIONAL RESIDENTIAL CODE, TABLE R602.3.1
- ALL NOTCHES AND CUTS IN FRAMING SHALL NOT EXCEED MAX. DIMENSIONS AS DEFINED IN THE IRC R602.6.

D7. THERMAL AND MOISTURE PROTECTION

- INSTALL INSULATION MATERIALS TO MEET THE "R" VALUES AS SHOWN ON THE DRAWINGS. FIT INSULATION TIGHT INTO SPACES AND LEAVE NO GAPS OR VOIDS. PROVIDE RIGID INSULATION WHERE SHOWN ON PLANS. AT INTERIOR WALLS SEAL ALL JOINTS, SEAMS AND PENETRATIONS TO PREVENT AIR LEAKAGE PER R102.4.
- INSTALL FIBERGLASS/ASPHALT ROOF SHINGLES IN ACCORDANCE WITH MANUF. INSTRUCTIONS AND ASPHALT ROOFING MANUFACTURERS ASSOC. "ASPHALT ROOFING RESIDENTIAL MANUAL." SHINGLES ARE TO BE CERTIFIED MIN. CLASS C FIRE RESISTANCE PER ASTM E108 OR UL 790 AND WIND RESISTANCE CLASS PER ASTM D 3161 OR D7158 FOR WIND SPEED. INSTALL UNDERLAYMENT PER ROOF SLOPE AND IRC R905.2.2 AND CONFORMING TO ASTM D226 TYPE 1.
- INSTALL FLASHING, SHEET METAL, GUTTERS AND DOWNSPOUTS PER PLANS AND PER "ASPHALT ROOFING RESIDENTIAL MANUAL" AND "ARCHITECTURAL SHEET METAL MANUAL" BY SHACMA. INSTALL FLASHING AT ALL ROOF TO WALL CONDITIONS, EXTERIOR OPENINGS AND ELSEWHERE WHERE REQUIRED.
- INSTALL A WATER-RESISTIVE BARRIER ON ALL WALLS. HOUSEWRAPS SHOULD MEET ASTM D5034 FOR DURABILITY, D779 FOR WATER RESISTANCE AND E96 FOR PERMEABILITY AND BE INSTALLED PER MANUF. INSTALLATION INSTRUCTIONS. PRE-WEATHERIZED SHEATHING SHALL BE TAPED AND SECURED PER MANUF. INSTALLATION INSTRUCTIONS.
- INSTALL SIDING AND ACCESSORY COMPONENTS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. WIND PRESSURE RESISTANCE TO BE DETERMINED BY ASTM E930.

D8. DOORS, WINDOWS AND GLASS

- INSTALL DOORS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION RECOMMENDATIONS.
- ALL ALUMINUM AND/OR VINYL (PVC) AND/OR WOOD WINDOWS AND DOORS SHALL CONFORM TO CLASS R WITH DP PERFORMANCE GRADE AS NOTED ON THE COVER SHEET, TESTED PER AAMA/WDMA/CSA 101/LS2/A440 FOR THE APPLICABLE WINDOW AND DOOR TYPES SHOWN ON THE DRAWINGS. INSTALL TEMPERED GLASS AND WINDOWS WHERE NOTED ON PLANS OR AS REQUIRED BY CODE. ENERGY PERFORMANCE RATINGS FOR U VALUES AND SHGC SHALL BE AS NOTED ON THE COVER SHEET AND TESTED PER NFRC 100 AND NFRC 200 RESPECTIVELY.
- INSTALLATION AND FLASHING OF WINDOWS AND DOORS TO BE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND ASTM E1212.
- INSECT SCREENS TO BE IN ACCORDANCE WITH ANSI/ASHA 1004, ANSI/ASHA 2006, OR ANSI/ASHA 3001.
- PROVIDE AND INSTALL HARDWARE PER OWNER'S SCHEDULE.
- GARAGE DOORS SHALL BE CERTIFIED IN ACCORDANCE WITH ASTM/DASMA 108 FOR THE APPLICABLE WIND PRESSURES AS NOTED ON THE COVER SHEET.

D9. FINISHES

- GYP-SUM WALL BOARD, GYP-SUM SHEATHING MATERIALS AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH IRC R702.3 AND WITH GA-253 "APPLICATION OF GYP-SUM SHEATHING" PUBLISHED BY THE GYP-SUM ASSOCIATION.
- INSTALL FLOOR COVERINGS AS SHOWN ON PLANS OR PER OWNER'S SCHEDULE PER MANUF. INSTALLATION INSTRUCTIONS.

D10. SPECIALTIES

- PROVIDE KITCHEN AND BATH CABINETS FIXTURES AND APPLIANCES, FIREPLACE, HARDWARE AND MISC. ITEMS PER OWNERS SCHEDULE. INSTALLATIONS TO BE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. PRE-FAB FIREPLACES TO BE UL LISTED AND COMPLY WITH UL 127.

D11.4. N/A

D12. MECHANICAL

- INSTALL VENTILATORS AND HEATING AND AIR CONDITIONING SYSTEMS AS SHOWN ON PLANS OR PER OWNER'S SCHEDULE. SIZE ALL EQUIPMENT PER ACCA MANUAL S AND J AND INSTALL FOR FUTURE ACCESS SERVICE AND REMOVAL. PROVIDE COMBUSTION AIR WHEN REQUIRED PER M1701. ALL DUCTWORK AND PIPING LOCATED IN UNCONDITIONED SPACES SHALL BE INSULATED AND SEALED PER CODE. INSTALL DRYER DUCT TO OUTSIDE WITH SMOOTH METAL DUCTING WITHOUT SCREWS AND WITH MINIMUM BENDS, MAXIMUM DUCT LENGTH PER IRC M1502.
- VENTING: ALL DRYERS AND BATH EXHAUSTS MUST BE VENTED DIRECT TO THE EXTERIOR OF THE STRUCTURE WITH A BACKDRAFT DAMPER IN ACCORDANCE WITH THE CURRENT CODE.
- PROVIDE A PROGRAMMABLE THERMOSTAT, MANUALS FOR MECHANICAL AND WATER HEATING EQUIPMENT, ENERGY COMPLIANCE CERTIFICATE AND ALL OTHER REQUIREMENTS OF THE CURRENT ENERGY CODE.

D13. ELECTRICAL

- TERMINAL HOOK UP IS REQUIRED FOR ALL FIXTURES, APPLIANCES, MOTORS, FANS AND CONTROLS. LOCATION OF OUTLETS AND EQUIPMENT ON PLANS IS APPROXIMATE. EXACT ROUTING OF WIRING AND OUTLETS SHALL BE GOVERNED BY STRUCTURAL CONDITIONS AND OBSTRUCTIONS.
- ALL ELECTRICAL BREAKERS AND CONTROLS SHALL BE PROPERLY LABELED. INSTALL GFCI PROTECTED AND AFCI OUTLETS WHERE SHOWN ON PLANS OR AS REQUIRED BY CODE. MATERIAL AND EQUIPMENT SHALL BEAR A UL LABEL. LIGHT FIXTURES MUST MEET CLEARANCES STATED IN THE NEC. INSTALL LIGHT SWITCHES AT 3' 6" A.F.F. AND OUTLETS 12" A.F.F. TO CENTERLINE U.N.O.
- INSTALL ELECTRIC SMOKE DETECTORS, CARBON MONOXIDE/ALARM WHERE SHOWN ON PLANS. ALL DETECTORS MUST BE INTER-CONNECTED AND INCORPORATE A BATTERY BACK-UP. INSTALL PER NFPA 72 AND UL 217 REQUIREMENTS. CO ALARMS TO COMPLY WITH NFPA 720 AND UL 2034. COMBINATION SMOKE/CO ALARMS MUST BE LISTED PER UL 2034.
- PROVIDE HIGH EFFICACY LAMPS IN PERMANENT FIXTURES PER CURRENT ENERGY CODE.

D14. PLUMBING

- INSTALL PLUMBING FIXTURES, SUPPLY AND WASTE LINES PER GOVERNING CODE. ALL NOTCHES AND CUTS IN FRAMING SHALL NOT EXCEED MAX. DIMENSIONS AS DEFINED IN THE BUILDING CODE. PROTECT PLUMBING LINES AND REINFORCE STUD WALL NOTCHES WITH 16 GA. METAL PLATES.

BUILDING CODE SUMMARY

Location: Various Locations, NC Market
 Proposed Use: Detached Single Family Dwelling
 Owner: Chesapeake Homes
 Contact Person: Brad Blough Telephone #: (919) 256-3060 E-mail: bblough@chesahomes.com

DESIGNER OF RECORD:

Designer	Name	License #	Telephone #	E-mail
Architect	James W. Wentling	NC-Arch. # 4642	(215) 568-2551	JamesWentling@wentlinghouseplans.com
Structural	Jonathan A. Troxler	NC-P.E. # 27845	(919) 878-1617	troxler@southernengineers.com

BUILDING DATA:

Year Edition of Code: 2018 North Carolina State Residential Code (2015 IRC with North Carolina Amendments)

DESIGN LOADS:

Roof Live Load:	20 PSF	Attic With Permanent Stair:	40 PSF
Floor Live Load:	40 PSF	Attic Without Permanent Stair:	20 PSF
Floor Live Load Sleeping Rooms:	30 PSF	Attic Without Storage:	10 PSF

CLIMATIC & GEOGRAPHIC DESIGN CRITERIA:

Ground Snow Load:	20 PSF	Exposure:	B	Design Pressure:	
Design Wind Speed:	115-120 MPH	Risk Group:	II	Walls:	20
Seismic Site Class:	C			Roof:	38
Seismic Design Category:	II			Windows + Doors:	20
Weathering:	Moderate				
Frost Line:	12"				
Termites Decay:	Moderate to Heavy				
Winter Design Temp.:	20 a				
Climate Zone:	4A				

ENERGY EFFICIENCY:

Minimum Insulation:

Ceiling:	R-38 (R-30 w/ Balanced Heel Truss)
Walls:	R-15
Floors:	R-19
Slab:	R-0 (Per Southern Energy)
Glazing 'U' Value:	0.35 Max.
SHGC:	0.30 Max.

(Note: Minimum insulation values per Southern Energy Reports)

SOIL BEARING CAPACITIES:

Presumptive Bearing Capacity: 2,000 PSF

ABBREVIATIONS

TEXT	DESCRIPTION	TEXT	DESCRIPTION
A.F.F.	ABOVE FINISHED FLOOR	MANUF.	MANUFACTURER
ALLUM.	ALUMINUM	MAX.	MAXIMUM
BRG.	BEARING	MIN.	MINIMUM
C	CARPET	O.C.	ON CENTER
C.G.	CEILING	OPT.	OPTIONAL
C.I.	CEILING JOISTS	OSB	ORIENTED STRAND BOARD
CONC.	CONCRETE	P.T.	PRESSURE TREATED
COND.	CONDITION	R.	RISERS
DBL. JOI.	DOUBLE JOIST	REF.	REFRIGERATOR
DIA.	DIAMETER	REQ.	REQUIRED
DWG.	DRAWING	R.A.S.	RAIL AND SHELF
E.M.	ELECTRIC METER	R.R.	ROOF RAFTERS
ENG.	ENGINEERED	R.T.	ROOF TRUSSES
E.P.	ELECTRICAL PANEL	S.C.	SOLID CORE
EQ.	EQUAL	S.S.	SELECT STRUCTURAL
EXT.	EXTERIOR	SHOW.	SHOWER
FOUND.	FOUNDATION	S.L.	SIDE LITE
FTL.	FOOTING	SPIC.	SPECIFICATIONS
H.P.D.	HINGED PATIO DOOR	T.	TREADS
H.	HIGH	TEMP.	TEMPERED
H.	HOSE BIB	T.O.F.	TOP OF FOUNDATION
INCL.	INCLUDED	TYP.	TYPICAL
INT.	INTERIOR	U.N.O.	UNLESS NOTED OTHERWISE
J.M.	JOIST MANUFACTURER	V	VINYL
J.S.	JACK STUDS	W/	WITH

JAMES WENTLING/ ARCHITECT

LAND TITLE BUILDING
100 SOUTH BROAD STREET,
SUITE 152
PHILADELPHIA, PA 19110

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ARCHITECTURE

LAND PLANNING

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REVISIONS

DATE	DESCRIPTION
01-14-21	RESTART SHEET
02-09-21	OPT. PORCH FOOTINGS
09-09-21	M. BATH WINDOW
02-07-23	NELL'S POINT/FARM
02-15-23	OPT. EXT. FINISHES
02-23-23	1" DINING EXTENSION/STRUCT. DWGS. REV.
02-23-23	GARAGE LEFT

PROJECT NO.

113-48

DATE

10-16-17

SCALE

NO SCALE

DRAWN BY

DN

CHECKED BY

JW

ISSUED FOR

PERMITS/CONSTRUCTION

PROJECT TITLE

MODEL 6260 -

GARAGE LEFT

CLIENT

CHESAPEAKE

HOMES OF NC

3100 SmokeTree Court,

Suite 210

Raleigh, NC 27604

(919) 256-3060

(919) 556-0690 Fax

DRAWING TITLE

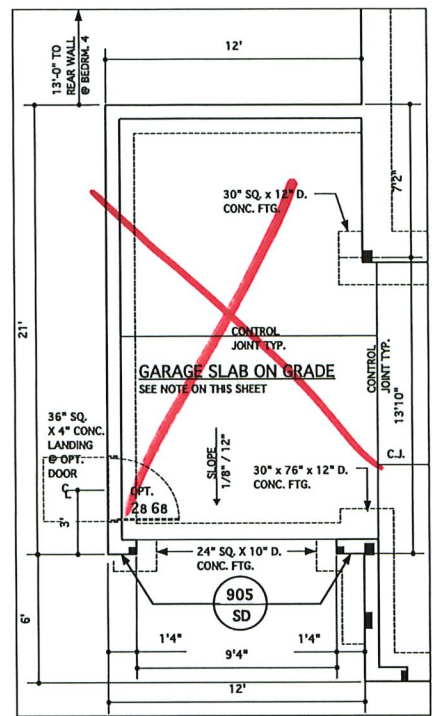
CONTENTS

AND PROJECT

INFORMATION

SHEET

1



@ OPT. THIRD-CAR GARAGE
SCALE 1/4" = 1'-0"

STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
3716 BENSON DR., RALEIGH, NC 27609
LICENSE: C-4772, PHONE: 919-878-1617
PROJECT # 19-1000

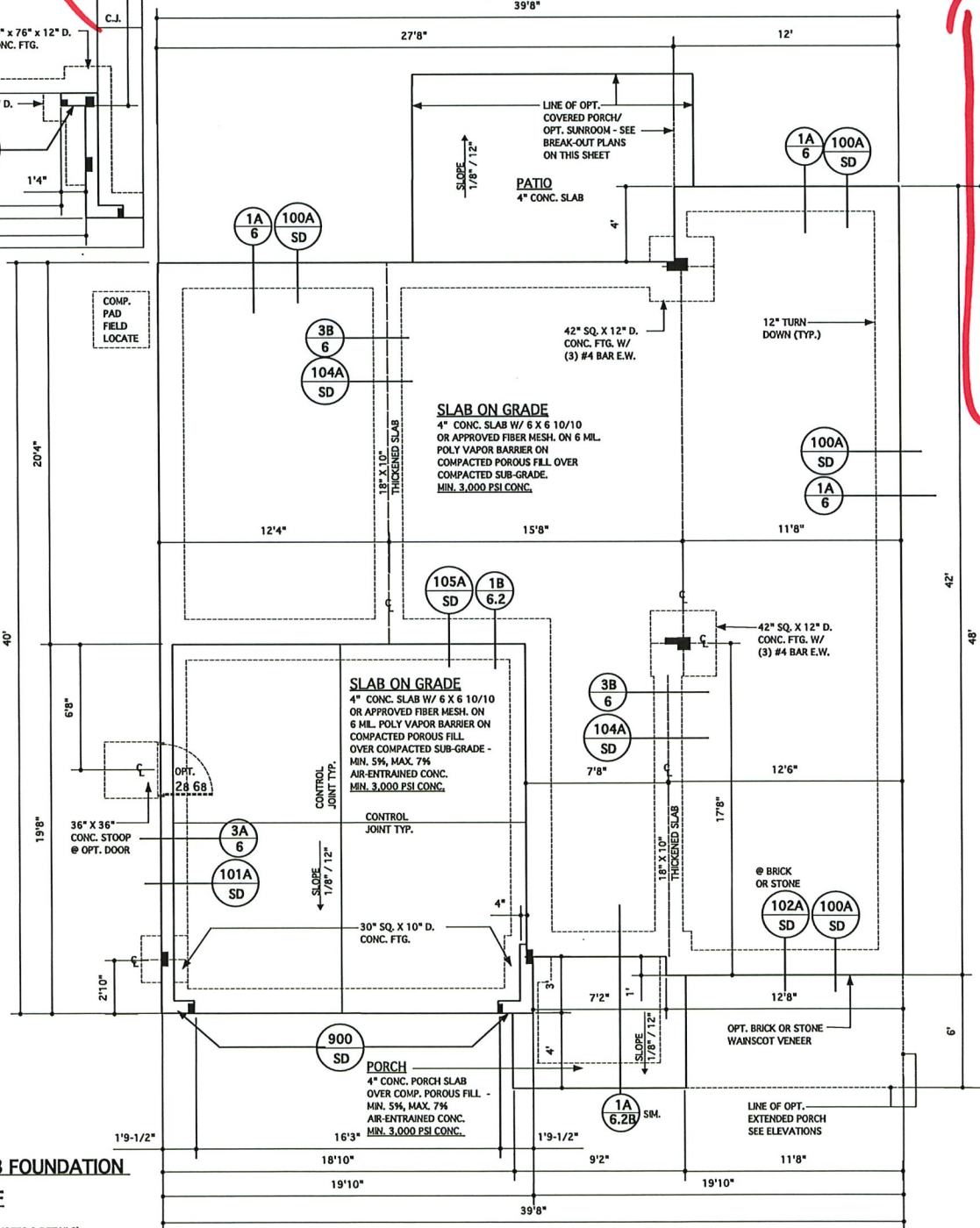
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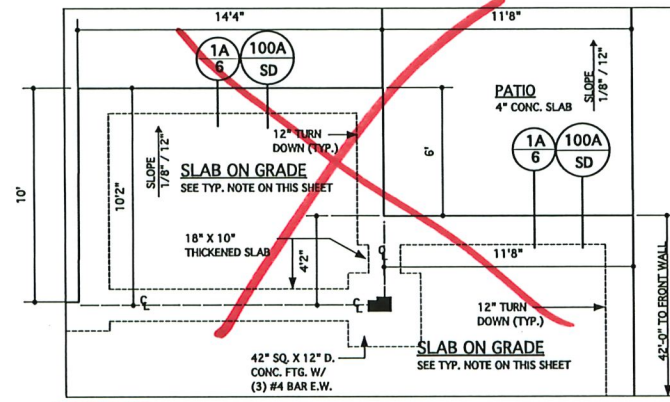
Seal is valid for a project permitted within one year from date of seal.

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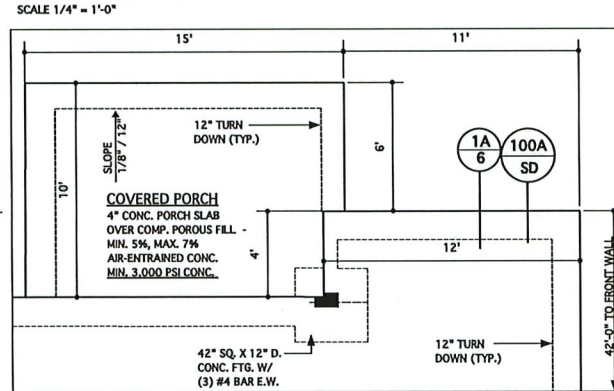
REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.



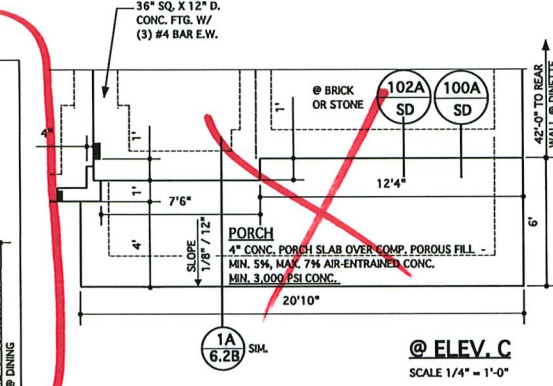
MONOLITHIC SLAB FOUNDATION PLAN @ ELEV. B/F
SCALE 1/4" = 1'-0"
(SEE SHEET SD-1 FOR ADDITIONAL NOTES & DETAILS)



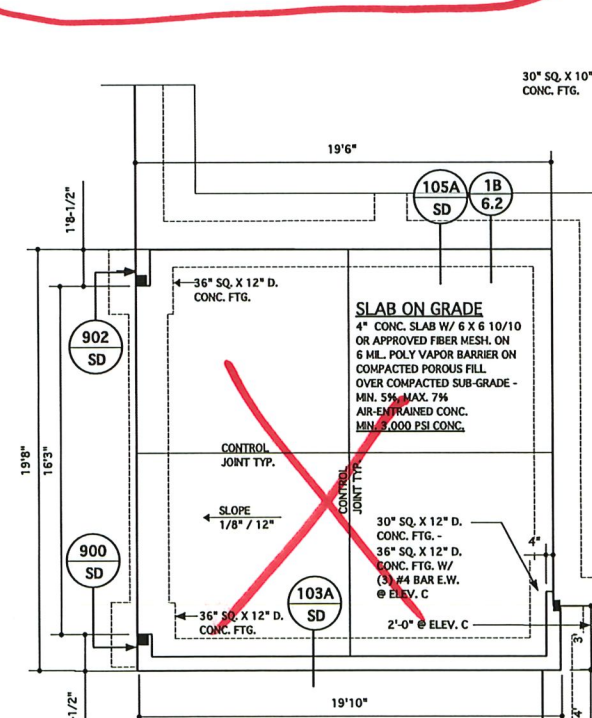
@ OPT. SUNROOM
SCALE 1/4" = 1'-0"



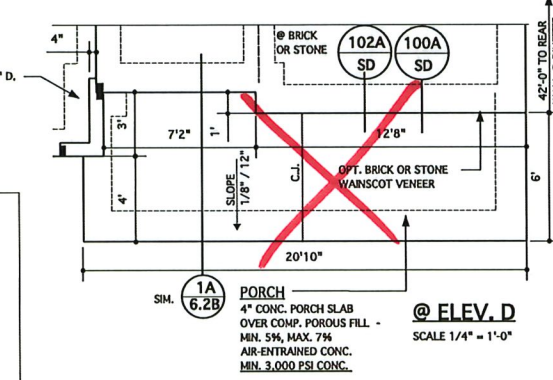
@ OPT. COVERED PORCH
SCALE 1/4" = 1'-0"



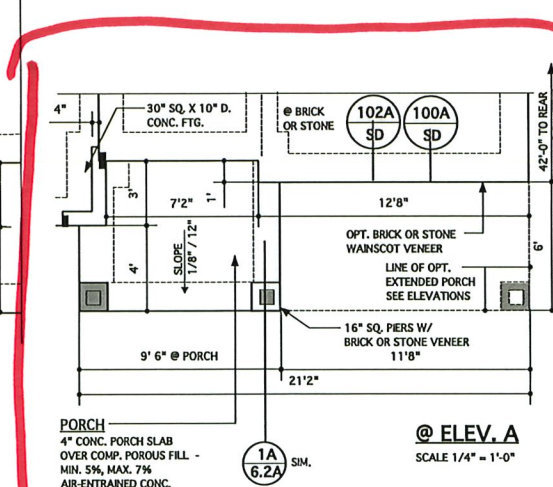
@ ELEV. C
SCALE 1/4" = 1'-0"



@ OPT. SIDE LOAD GARAGE
SCALE 1/4" = 1'-0"



@ ELEV. D
SCALE 1/4" = 1'-0"



@ ELEV. A
SCALE 1/4" = 1'-0"

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LAND PLANNING
GRAPHICS

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JAMES WALTER WENTLING REGISTERED ARCHITECT
#642
NORTH CAROLINA
RALEIGH, N. C.
2/23/23

MAXX	DATE	DESCRIPTION
CH	12-10-19	3RD CAR GARAGE EXT.
AM	01-14-21	RE-STAMP SHEET
DN	02-09-21	OPT. PORCH FOOTINGS
AM	09-09-21	RE-STAMP SHEET
JW	02-15-23	NELL'S FOUNTAIN/FARM
DN	02-23-23	1'-0" DINING EXTENSION/STRUCT. DWGS. REV.
AC	02-23-23	GARAGE LEFT

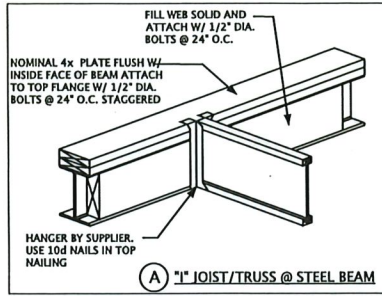
PROJECT NO. 113-48
DATE 01-08-18
SCALE AS NOTED
DRAWN BY JK
CHECKED BY JW
SIGNED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 6260 - GARAGE LEFT

CLIENT
CHESAPEAKE HOMES OF NC
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
MONOLITHIC SLAB FOUNDATION PLAN

SHEET
2



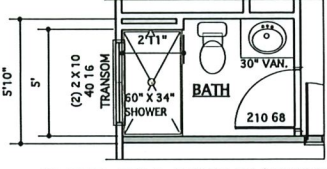
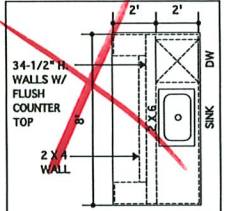
STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
 3718 BISON DR., RALEIGH, NC 27609
 LICENSE: C-4772, PHONE: 919-878-1617
 PROJECT # 19-1000

* Engineers seal applies only to structural components on this document. Seal does not include construction means, methods, techniques, sequences, procedures or safety precautions.

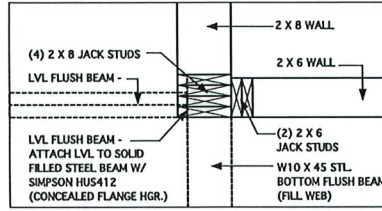
* Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Engineers. Failure to do so will void Southern Engineer's liability.

* Seal is valid for a project permitted within one year from date of seal.

* Use of these plans constitutes approval of terms & conditions as defined in the customer agreement.



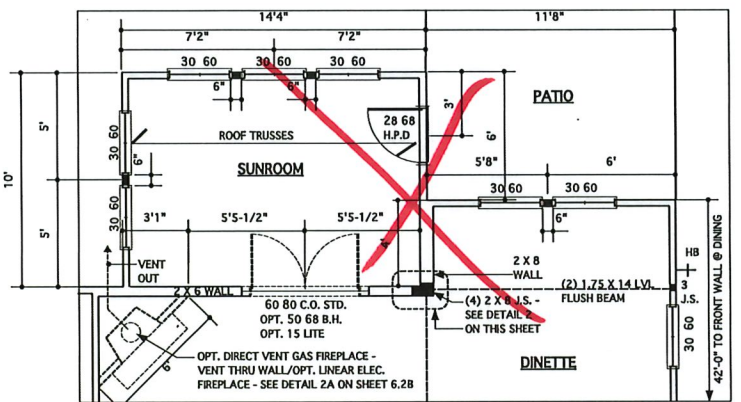
@ OPT. FULL BATH W/ SHOWER
 SCALE 1/4" = 1'-0"



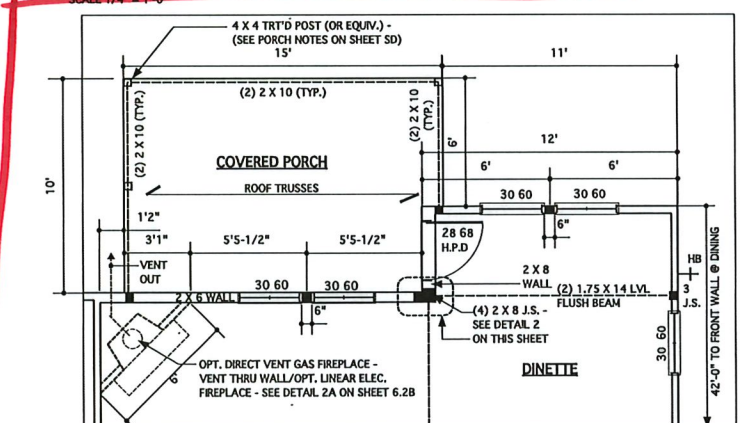
BEAM/STUD CONNECTION DETAIL 2
 SCALE 1" = 1'-0"

PORTAL FRAME LEGEND
 SEE SD SHEETS FOR PORTAL FRAME DETAILS
APA-PF: APA PORTAL FRAME
APA-PF-END: END CONDITION FOR APA PORTAL FRAME
CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION
CS-PF-END: END CONDITION FOR CONTINUOUS PORTAL FRAME

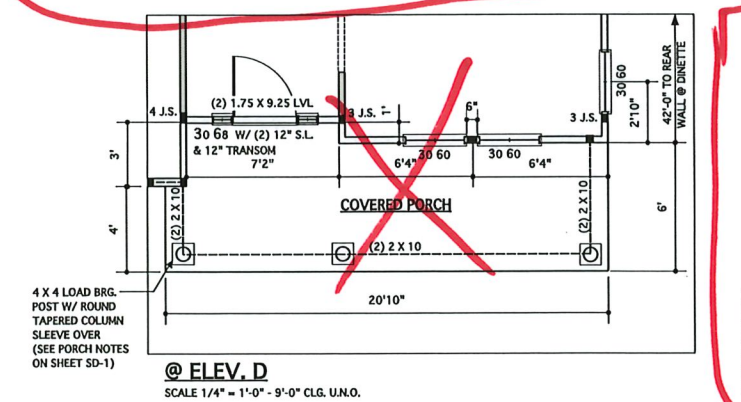
REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.



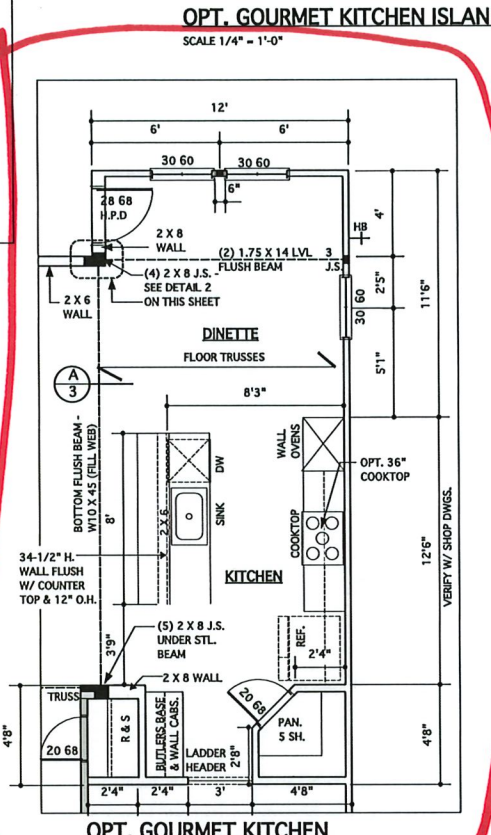
@ OPT. SUNROOM
 SCALE 1/4" = 1'-0"



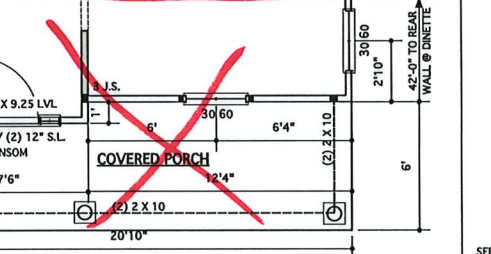
@ OPT. COVERED PORCH
 SCALE 1/4" = 1'-0"



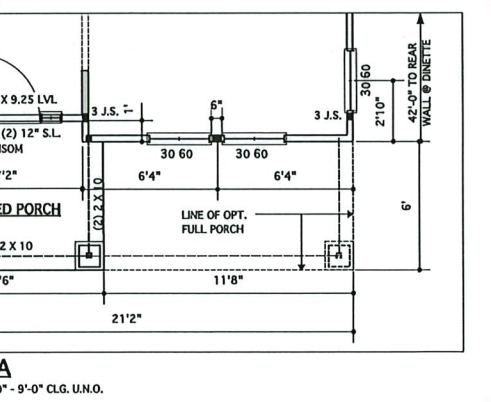
@ ELEV. D
 SCALE 1/4" = 1'-0" - 9'-0" CLG. U.N.O.



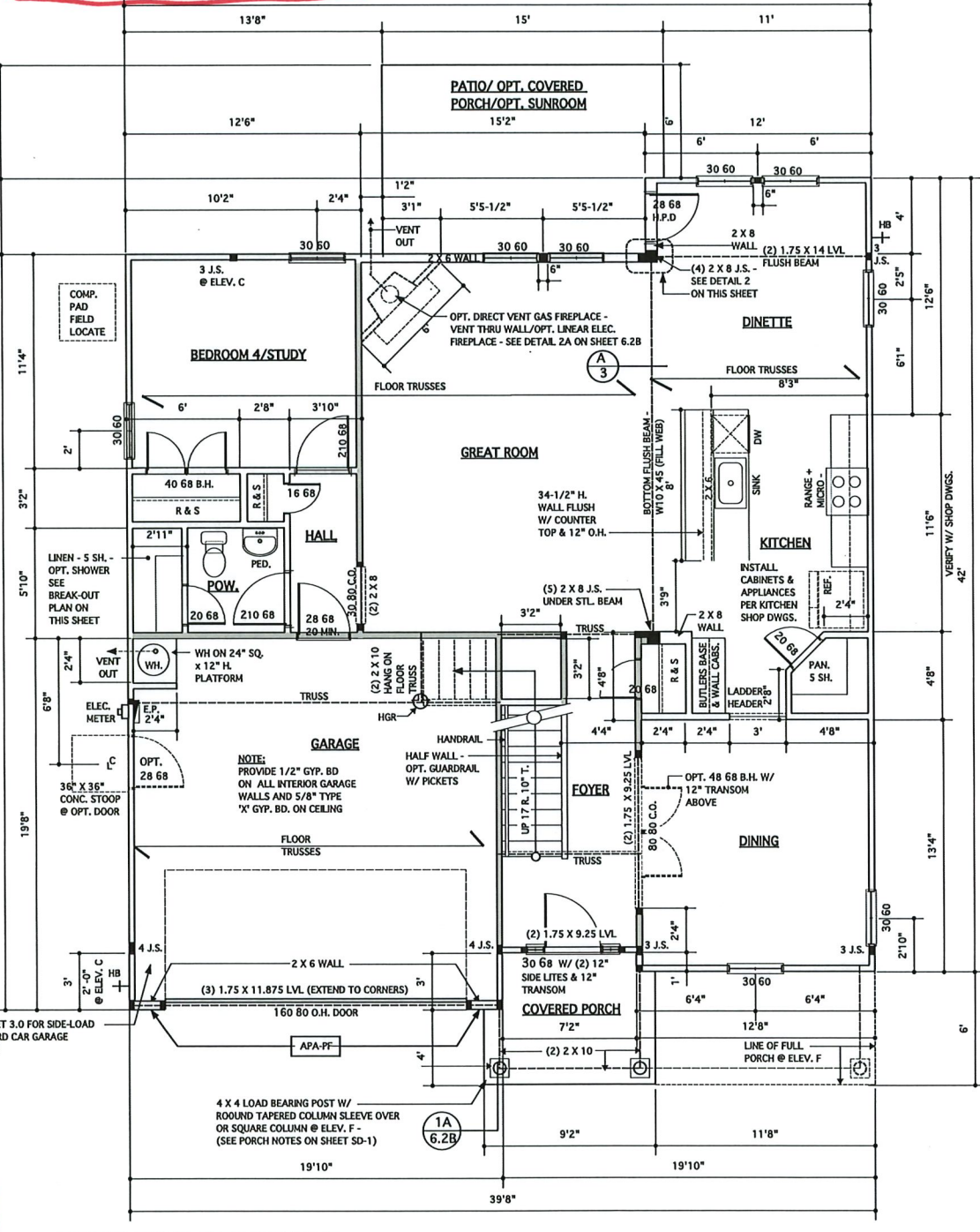
OPT. GOURMET KITCHEN ISLAND
 SCALE 1/4" = 1'-0"



OPT. GOURMET KITCHEN
 SCALE 1/4" = 1'-0"



@ ELEV. A
 SCALE 1/4" = 1'-0" - 9'-0" CLG. U.N.O.



FIRST FLOOR PLAN @ ELEV. B/F
 SCALE 1/4" = 1'-0" - 9'-0" CLG. U.N.O.

NOTES:
 WALLS ARE DIMENSIONED TO FACE OF STUD AND ARE 3-1/2" THICK UNLESS NOTED OTHERWISE. (SEE SHEET SD-1 FOR ADDITIONAL NOTES & DETAILS)
 (SEE FLOOR SYSTEM LAYOUT AND SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND TO VERIFY BEAM & TRUSS SIZES AND LOCATIONS.)
 NOTE: SEE ELEVATIONS FOR OPT. BRICK OR STONE WANSICOT/VENEER TYPES & LOCATIONS

LEGEND

- INTERIOR LOAD BEARING WALL
- 2 X 6 JACK STUDS UNLESS NOTED OTHERWISE
- SEE STRUCTURAL DRAWINGS FOR NUMBER OF JACK STUDS AND SIZES

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REVISIONS

DATE	DESCRIPTION
05-28-19	ELEVATIONS
12-10-19	3RD CAR GARAGE EXT.
01-14-21	RESTAMP SHEET
09-09-21	RESTAMP SHEET
02-15-23	NEILL'S POINT/FARM
02-23-23	11'4" DINING EXTENSION/STRUCT. DWGS. REV.
02-23-23	GARAGE LEFT

PROJECT NO. 113-88
DATE 01-08-18
SCALE AS NOTED
DRAWN BY JK
CHECKED BY JW
ISSUED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 6260 - GARAGE LEFT

CLIENT
CHESAPEAKE HOMES OF NC
 3100 Smoketree Court,
 Suite 210
 Raleigh, NC 27604
 (919) 256-3060
 (919) 556-0690 Fax

DRAWING TITLE
FIRST FLOOR PLANS

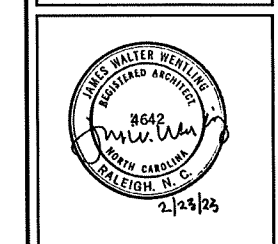
SHEET
3

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jwentlinghouseplans.com

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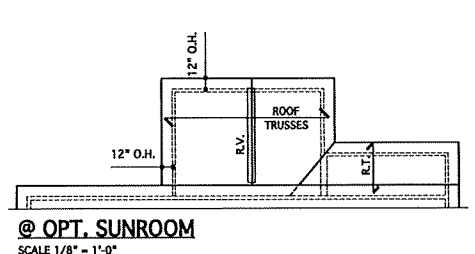
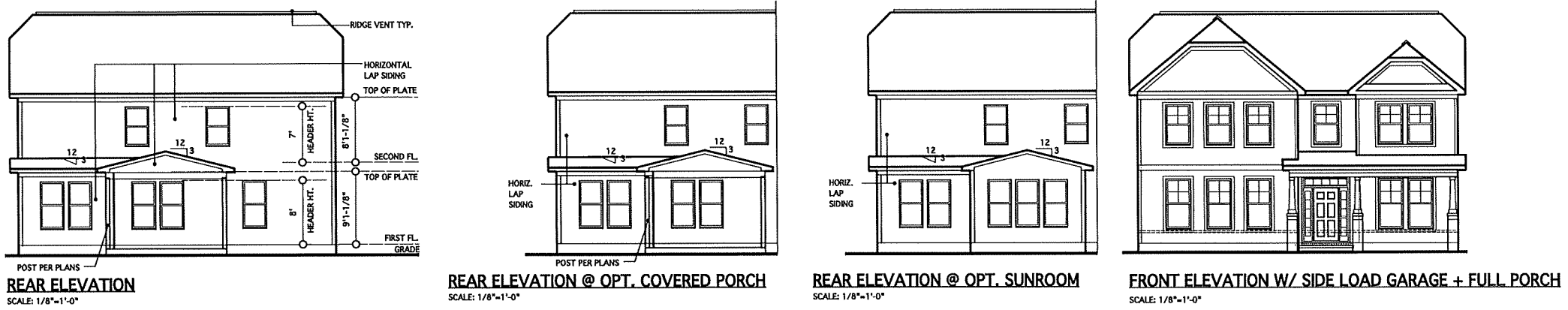
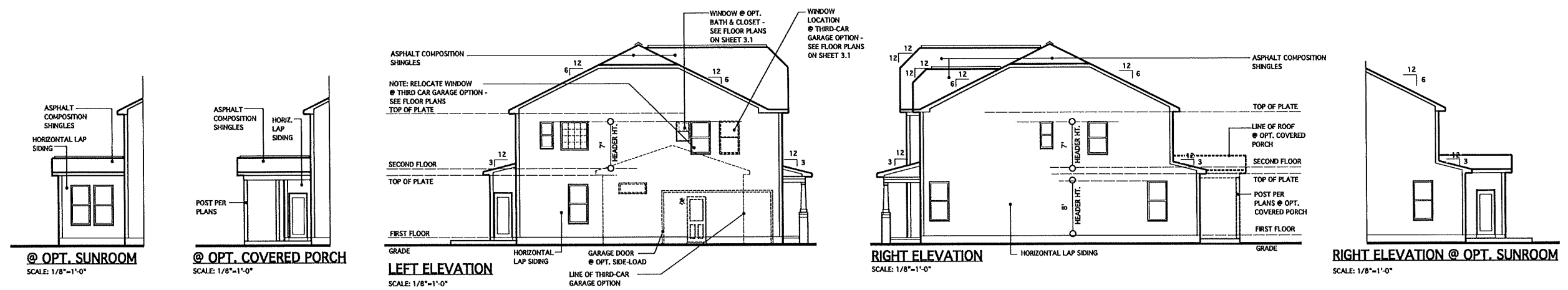
DATE	DESCRIPTION
12-10-19	3RD CAR GARAGE EXT.
01-14-21	RE-STAMP SHEET
09-09-21	M. BATH WINDOW
02-07-23	NEILL'S POINT/FARM
02-15-23	OPT. EXT. FINISHES
02-23-23	1'-0" DINING EXTENSION/ STRUCT. DWGS. REV.
02-23-23	GARAGE LEFT

PROJECT NO. 115-88
DATE 01-08-18
SCALE AS NOTED
DRAWN BY DN
CHECKED BY JW
BASED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
**MODEL 6260 -
GARAGE LEFT**
CLIENT
**CHESAPEAKE
HOMES OF NC**
3100 Smokecree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
**ELEVATION A
AND ROOF PLAN**
SHEET
4

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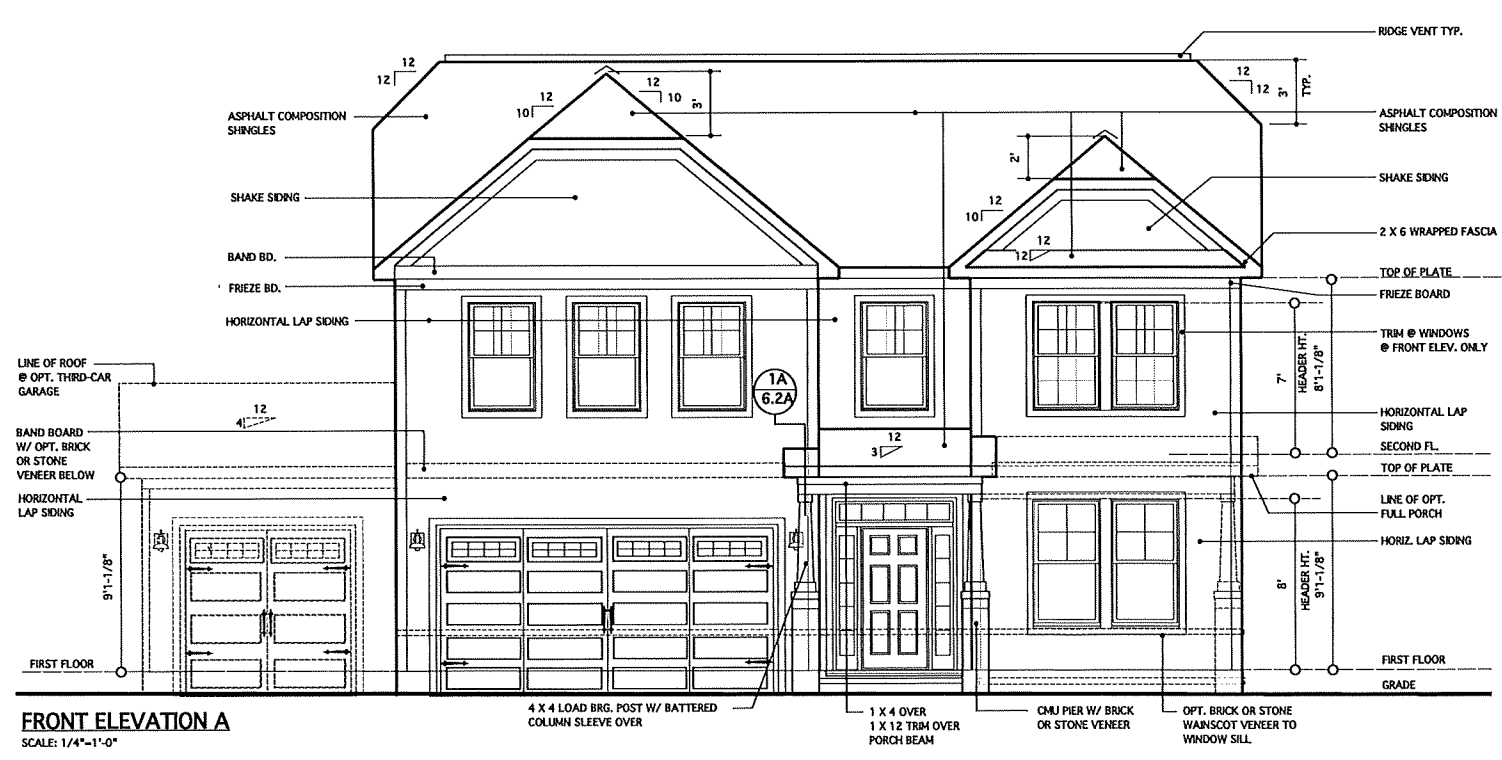
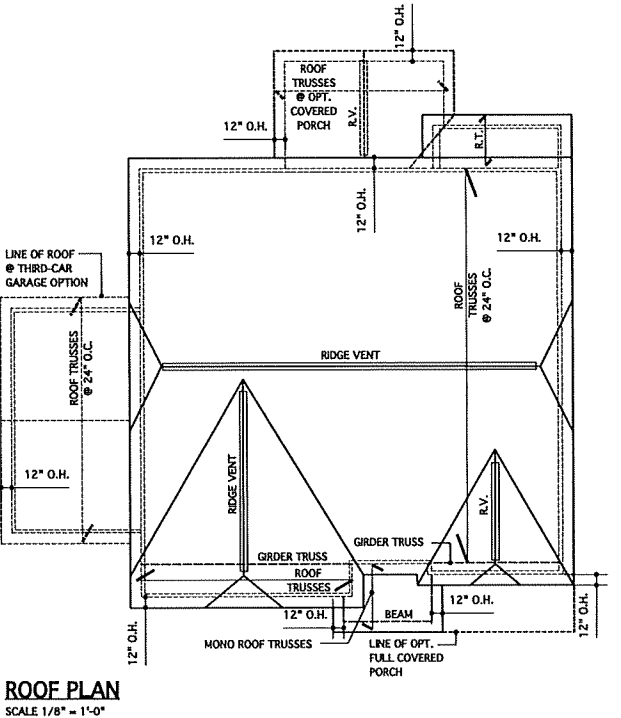
REQUIRED VENTILATION SCHEDULE - SUNROOM

ROOF VENTS	142 SQ. FT. OF CEILING AREA / 300	= 0.48 SQ. FT. REQ.
0.48 X 0.5 = 0.24 SQ. FT.		
0.24 SQ. FT. X 144 = 34 SQ. IN.		
34 SQ. IN. / 18 SQ. IN. = 2		
(18 SQ. IN. PER LIN. FT.)		
SOFFIT VENTS		
0.48 X 0.5 = 0.24 SQ. FT.		
0.24 SQ. FT. X 144 = 34 SQ. IN.		
34 SQ. IN. / 9 SQ. IN. = 3.8 LIN. FT. REQ.		
34 SQ. IN. / 9 SQ. IN. = 48 LIN. FT. PROVIDED		
(9 SQ. IN. VENT PER LIN. FT.)		

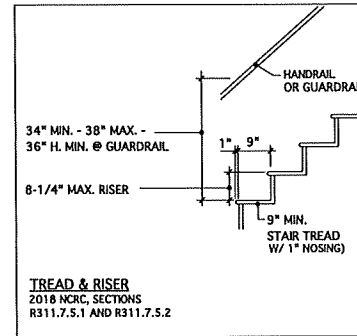
REQUIRED VENTILATION SCHEDULE - MAIN HOUSE

ROOF VENTS	1,806 SQ. FT. OF CEILING AREA / 300	= 6 SQ. FT. REQ.
6 X 0.5 = 3 SQ. FT.		
3 SQ. FT. X 144 = 432 SQ. IN.		
432 SQ. IN. / 18 SQ. IN. = 24		
(18 SQ. IN. PER LIN. FT.)		
SOFFIT VENTS		
6 X 0.5 = 3 SQ. FT.		
3 SQ. FT. X 144 = 432 SQ. IN.		
432 SQ. IN. / 9 SQ. IN. = 48 LIN. FT. REQ.		
432 SQ. IN. / 9 SQ. IN. = 78 LIN. FT. PROVIDED		
(9 SQ. IN. VENT PER LIN. FT.)		

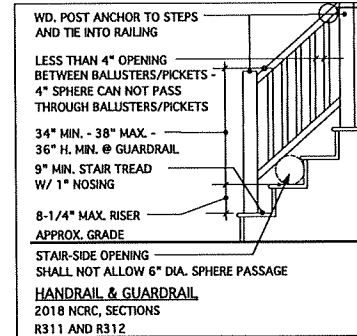
CODE REFERENCE: 2018 NCSBC, RESIDENTIAL CODE, R806.2



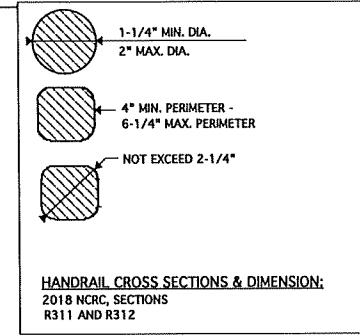
NOTE:
BUILDING ELEMENTS ARE TO BE APPLIED TO MEET
LOCAL WINDLOAD REQUIREMENTS



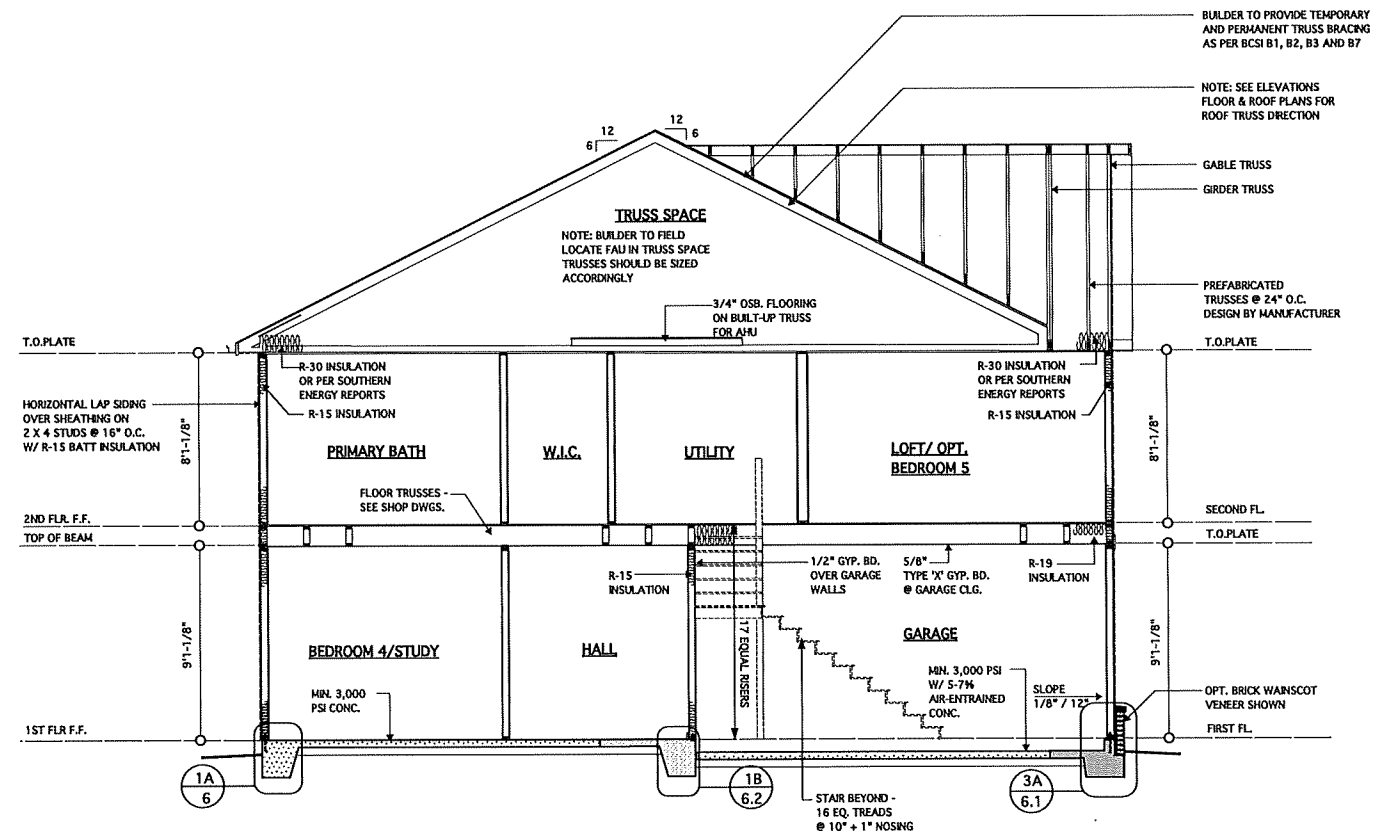
TYP. STAIR SECTION
NO SCALE
ALL STAIR AND GUARD REQUIREMENTS TO COMPLY WITH R-311 AND R312 NCRC 2018



TYPICAL RAILING @ PORCH/DECK
SCALE: 1/2" = 1'-0"
(PROVIDE GUARDRAIL BOTH SIDES WHEN HEIGHT ABOVE GRADE EXCEEDS 30\"/>



HANDRAIL CROSS SECTIONS & DIMENSION:
2018 NCRC, SECTIONS R311 AND R312



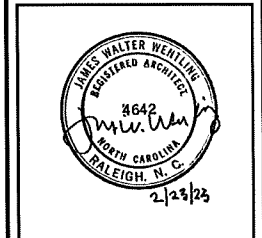
TYPICAL BUILDING SECTION
SCALE: 1/4" = 1'-0"

JAMES WENTLING/ ARCHITECT
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REVISIONS		
DATE	BY	DESCRIPTION
03-30-20	DN	BLDG. HT./CITY COMMENTS
05-11-20	DN	ADJUSTMENTS/NOTATIONS - CITY COMMENTS
01-14-21	AM	RE-STAMP SHEET
09-09-21	AM	RE-STAMP SHEET
03-07-23	JW	NEILL'S POINT/FARM
02-23-23	DN	1'-0" DINING EXTENSION/ STRUCT. DWGS. REV.
02-23-23	AC	GARAGE LEFT

PROJECT NO.	113-88
DATE	01-08-18
SCALE	AS NOTED
DRAWN BY	JK
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

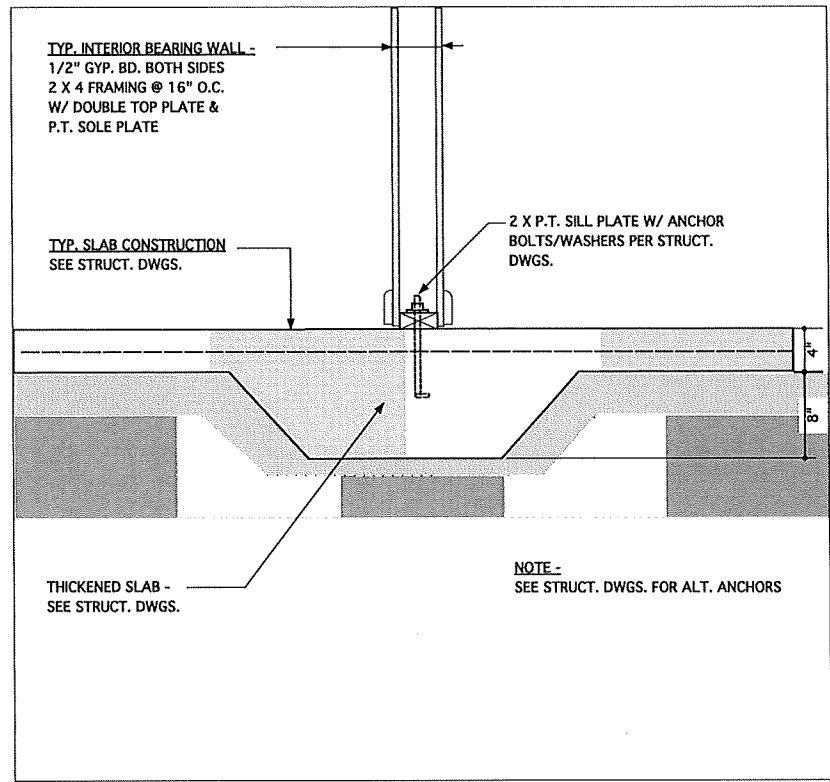
PROJECT TITLE
MODEL 6260 - GARAGE LEFT

CLIENT
CHESAPEAKE HOMES OF NC
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

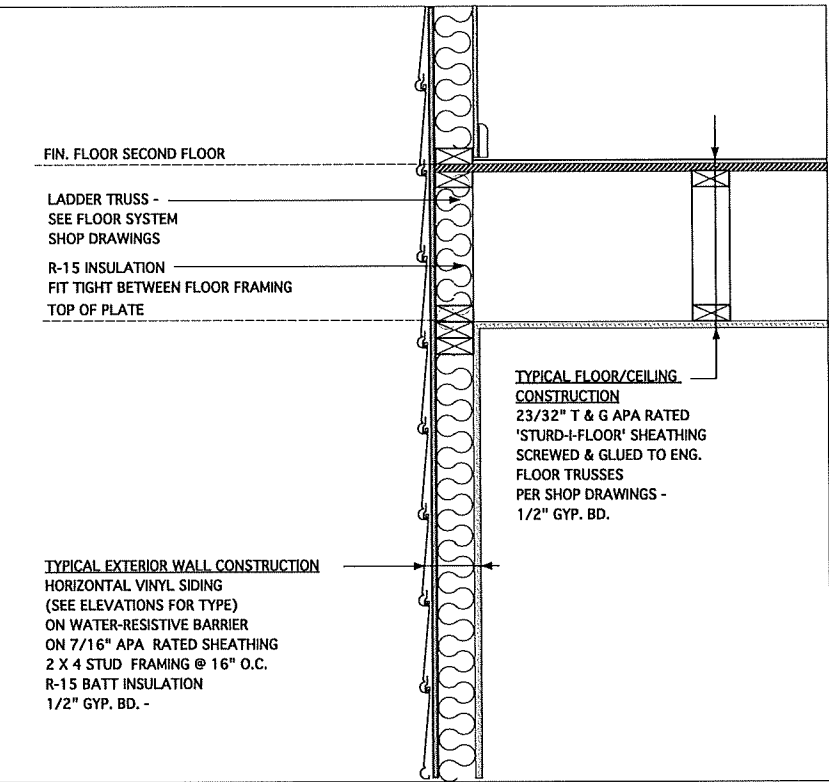
DRAWING TITLE
BUILDING SECTION

SHEET
5

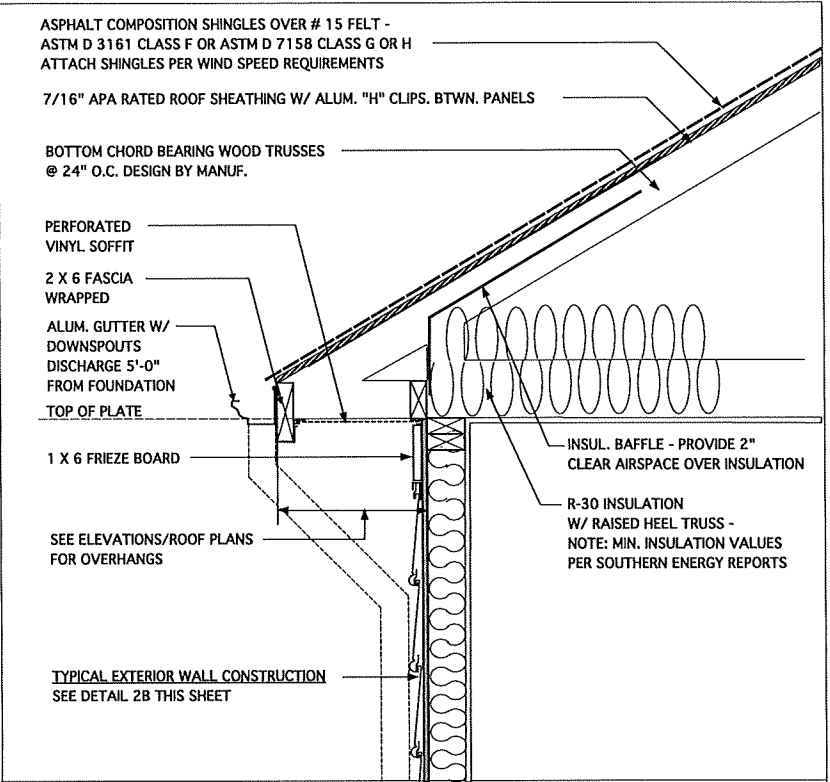
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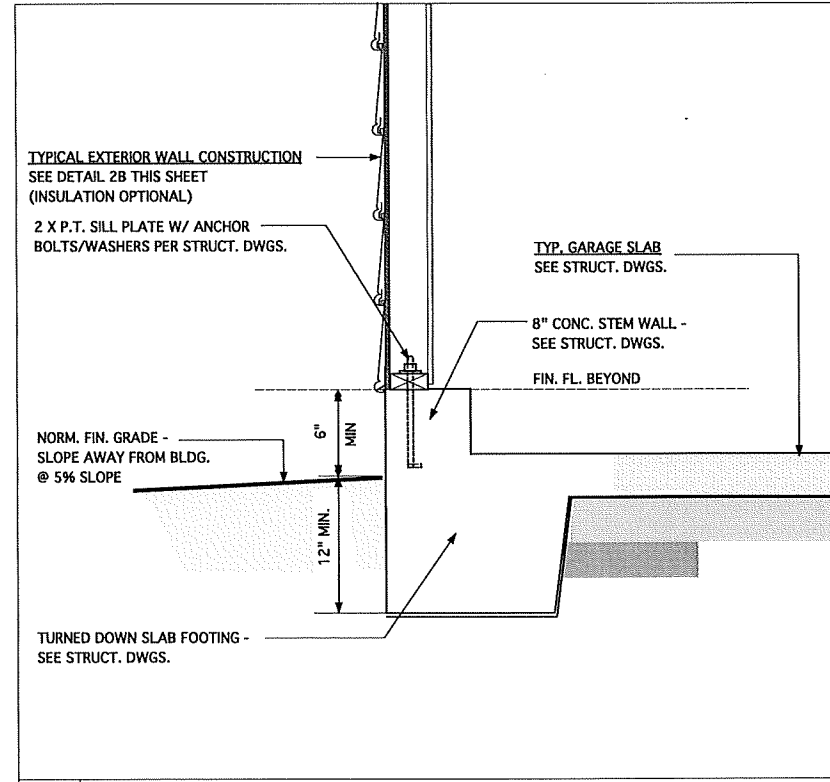
3B FOUNDATION DETAIL @ INTERIOR THICKENED SLAB



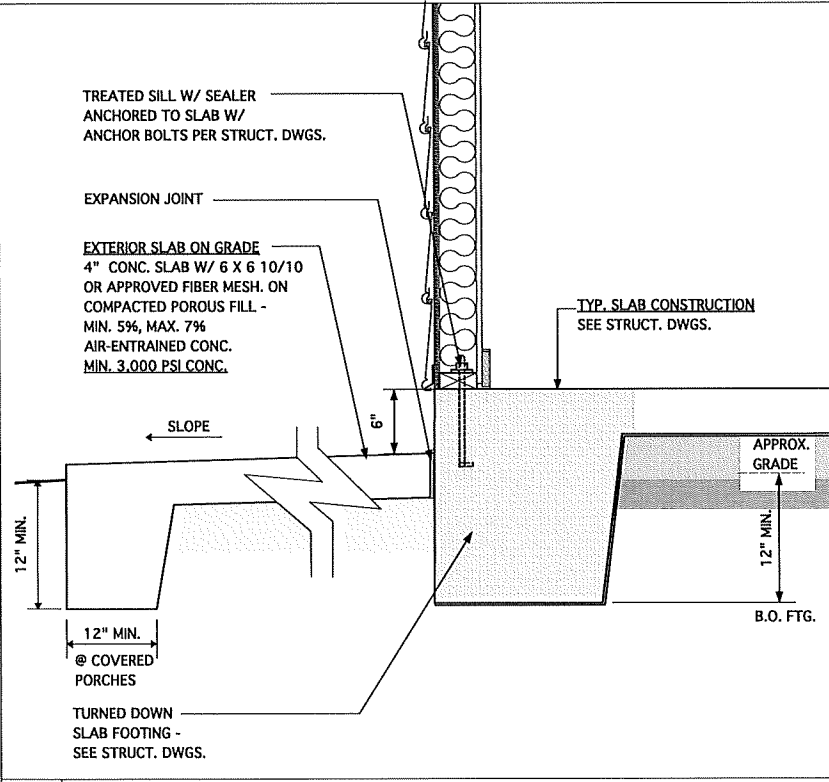
2B TYPICAL FLOOR / WALL DETAIL



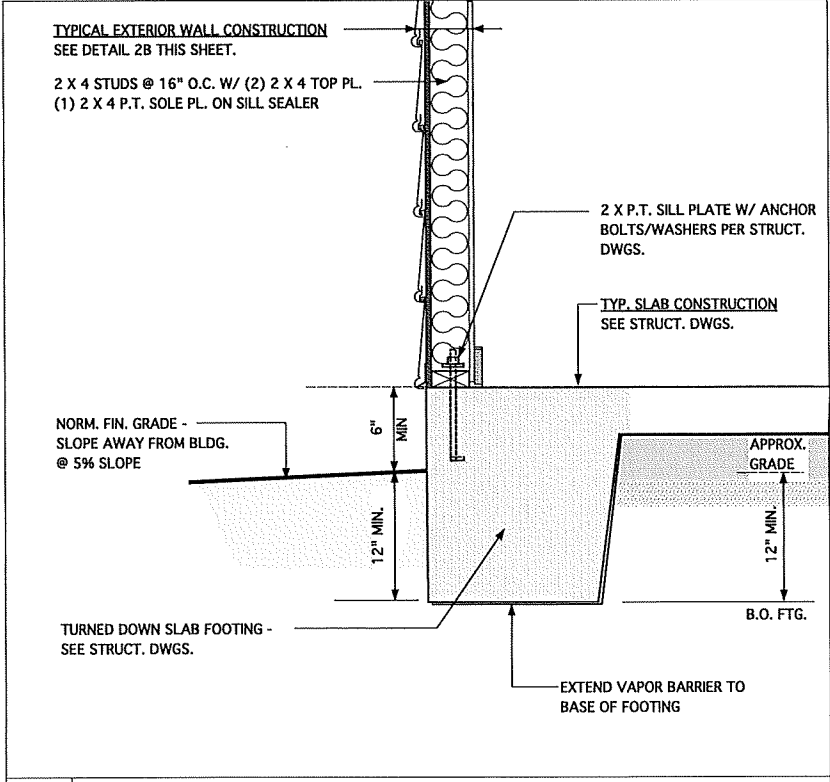
1B TYPICAL SOFFIT DETAIL



3A FOUND. DETAIL @ GARAGE EXTERIOR SIDE WALL



2A FOUND. DETAIL @ PATIO OR REAR COVERED PORCH



1A FOUND. DETAIL @ EXTERIOR WALL

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PHILADELPHIA, PA 19110

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JAMES WALTER WENTLING
REGISTERED ARCHITECT
#642
NORTH CAROLINA
RALEIGH, N. C.
2/23/23

REVISIONS

NO.	DATE	DESCRIPTION
DN	12-18-18	CONVERT HIGHGATE
DN	01-14-19	MINOR UPDATES
AM	01-14-21	RE-STAMP SHEET
DN	02-09-21	OPT. PORCH FOOTINGS
AM	09-09-21	RE-STAMP SHEET
JW	03-07-23	NEEL'S POINT/FARM
AC	02-23-23	GARAGE LEFT

PROJECT NO. 113-88

DATE 10-16-17

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

DRAWN BY DN

CHECKED BY JW

USED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 6260 - GARAGE LEFT

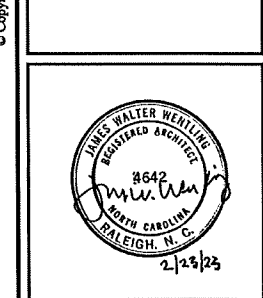
CLIENT
CHESAPEAKE HOMES OF NC
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
MONOLITHIC SLAB FOUNDATION, WALL AND SOFFIT DETAILS

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ARCHITECT**
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SUITE 1524
PHILADELPHIA, PA 19110
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REVISIONS		
MAKE	DATE	DESCRIPTION
DN	12-18-18	CONVERT HIGHGATE
AM	01-14-21	RE-STAMP SHEET
AM	09-09-21	RE-STAMP SHEET
JW	02-07-23	NEILL'S POINT/FARM
AC	02-23-23	GARAGE LEFT

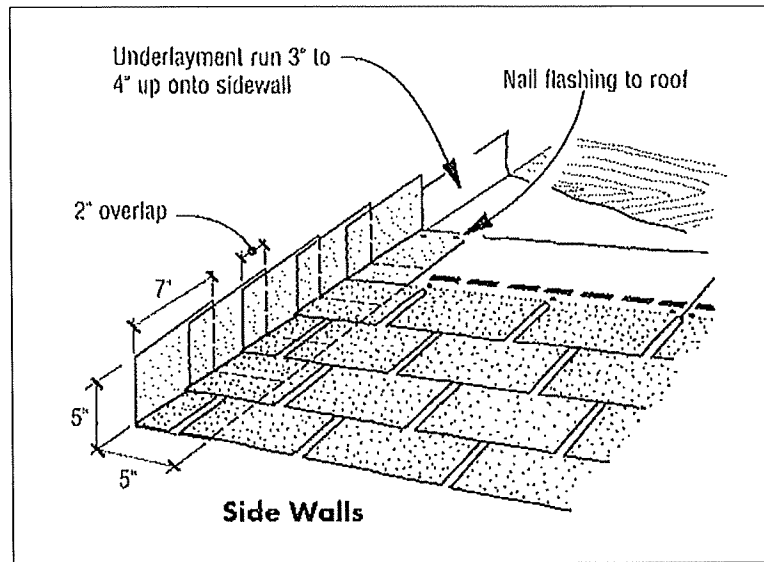
PROJECT NO.	113-88
DATE	10-16-17
SCALE	1-1/2" = 1'-0" U.N.D.
DRAWN BY	DN
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
**MODEL 6260 -
GARAGE LEFT**

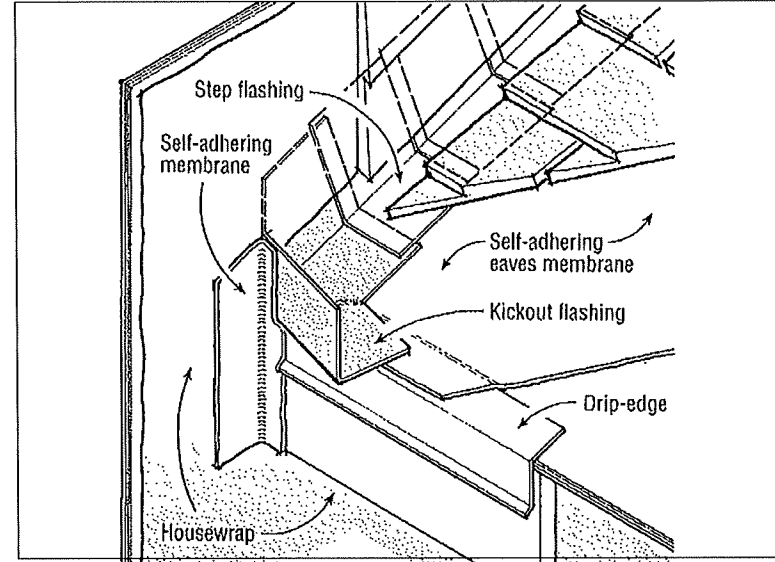
CLIENT
**CHESAPEAKE
HOMES OF NC**
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
**MONOLITHIC SLAB
FOUNDATION AND
WALL DETAILS**

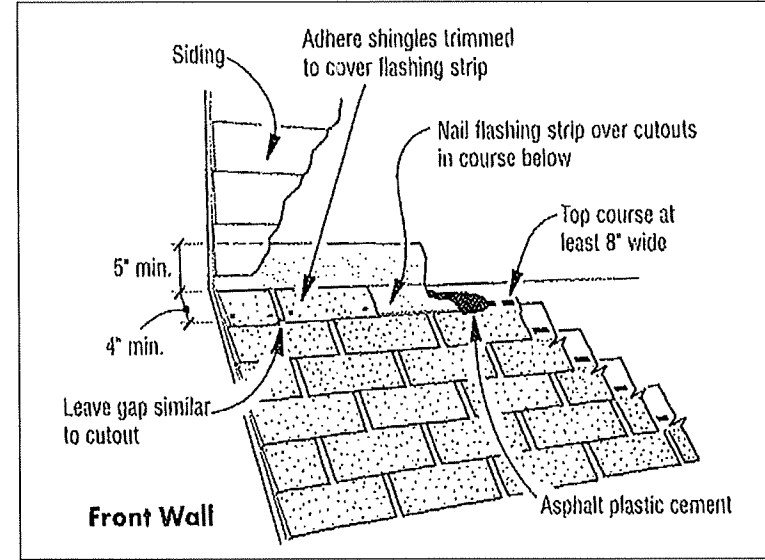
SHEET
6.1



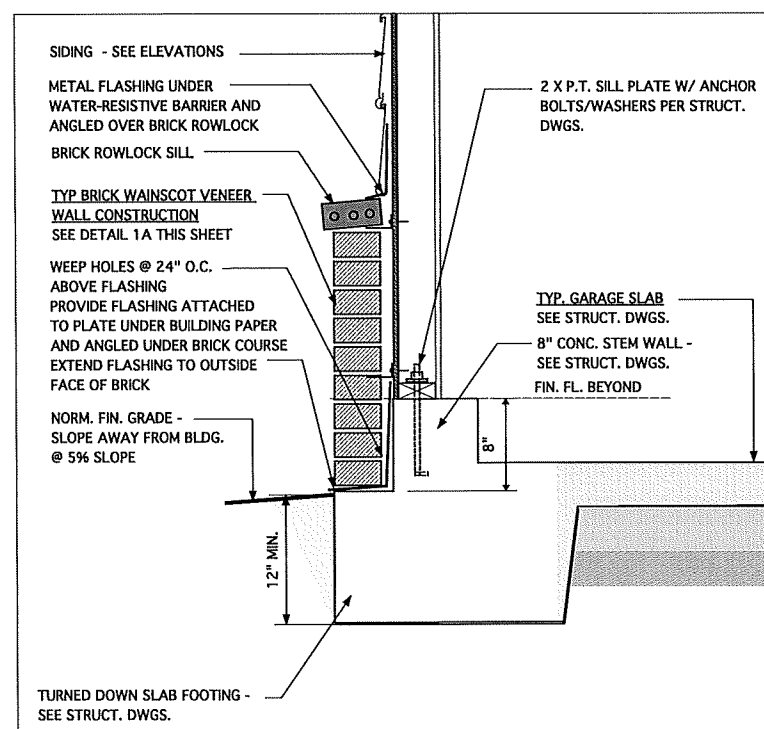
3B ROOF FLASHING AGAINST SIDE WALL DETAIL
N.T.S.



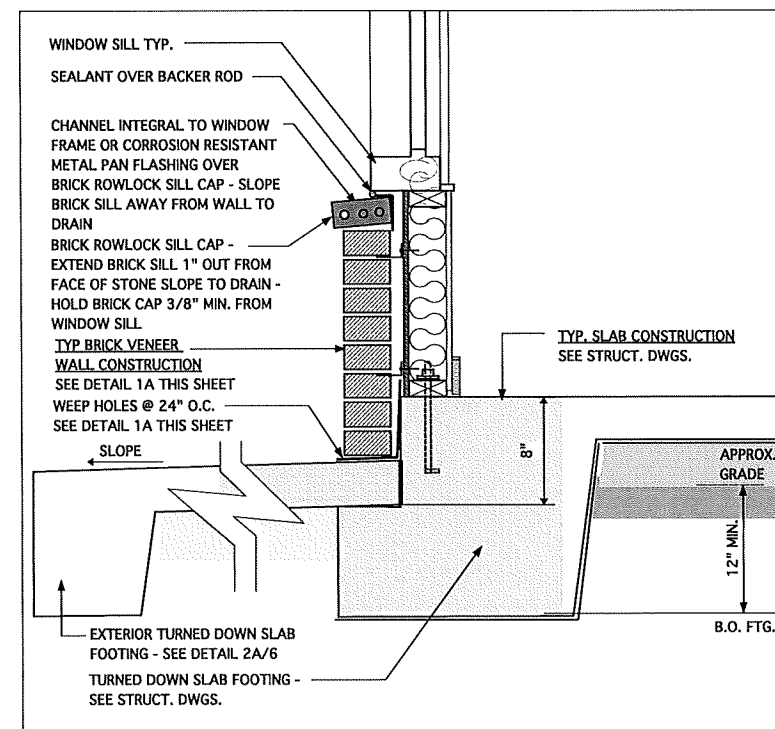
2B KICK-OUT FLASHING DETAIL AT ROOF FASCIA/WALL INTERSECTION
N.T.S.



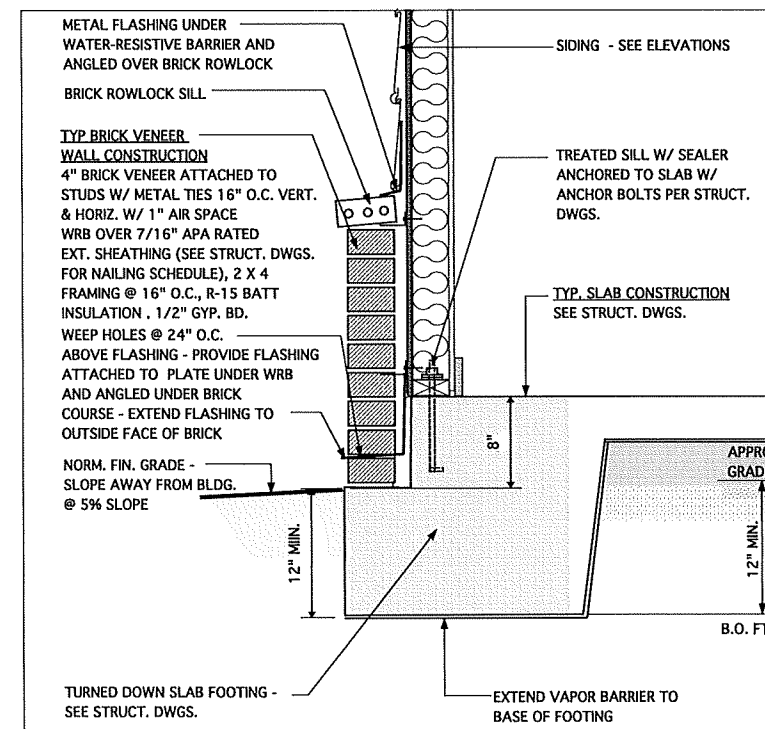
1B ROOF FLASHING AGAINST FRONT WALL DETAIL
N.T.S.



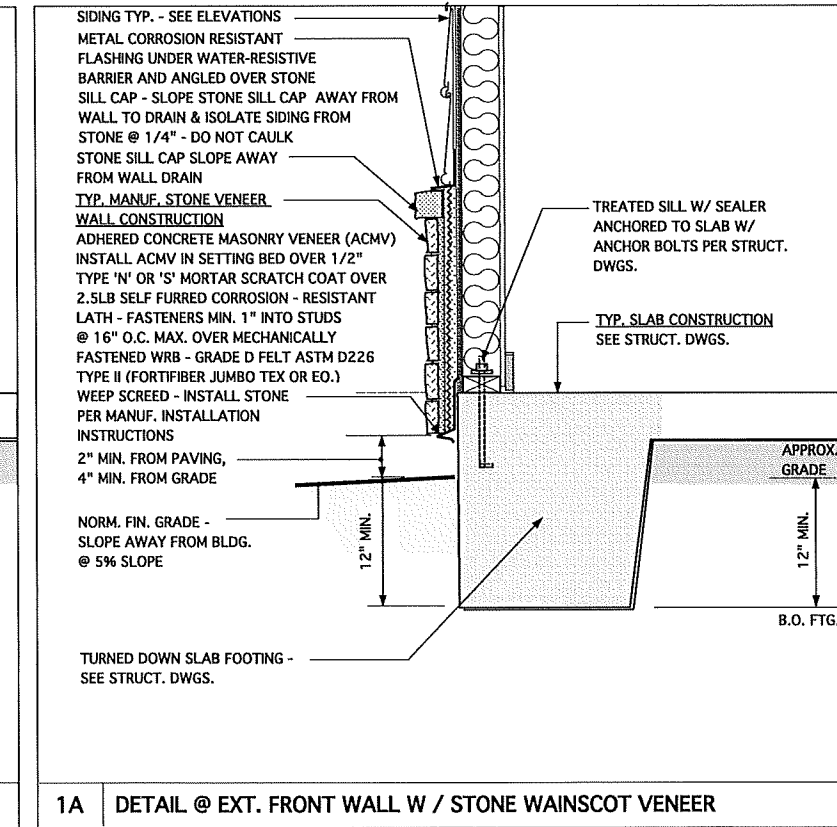
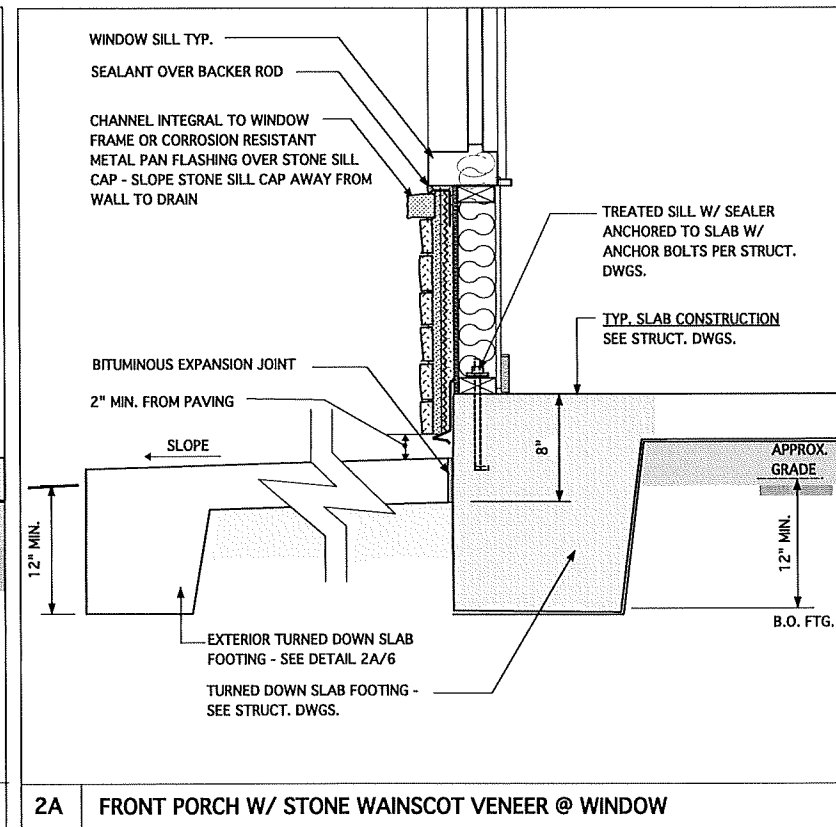
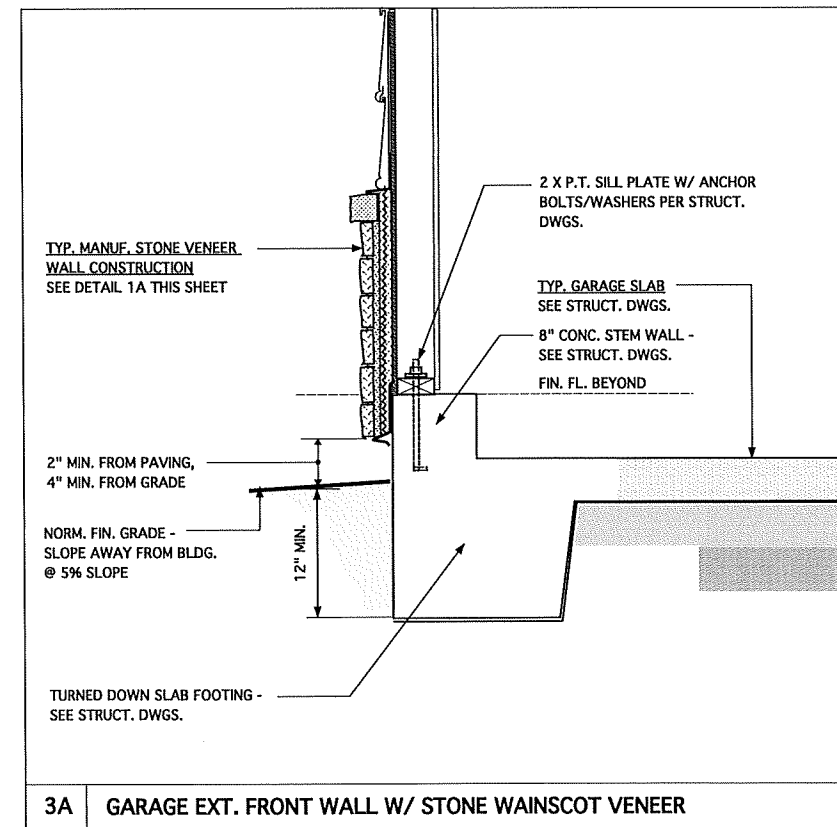
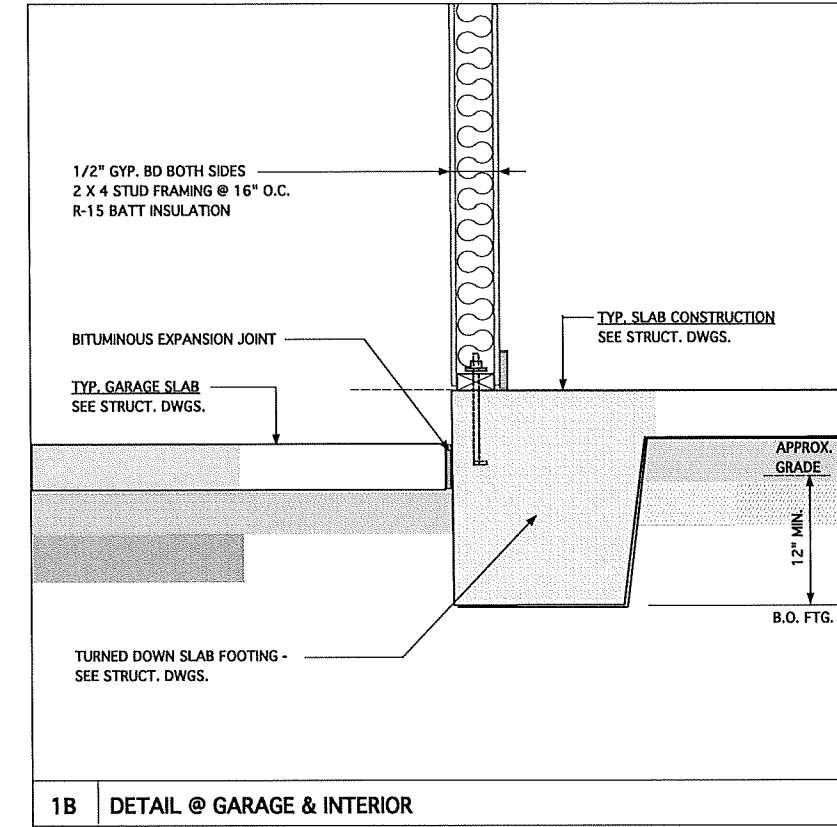
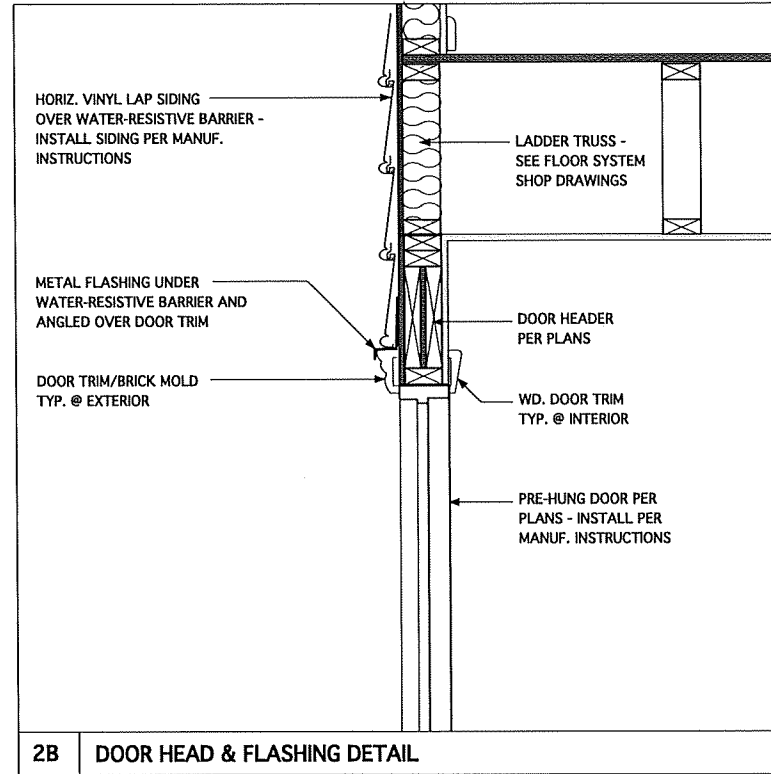
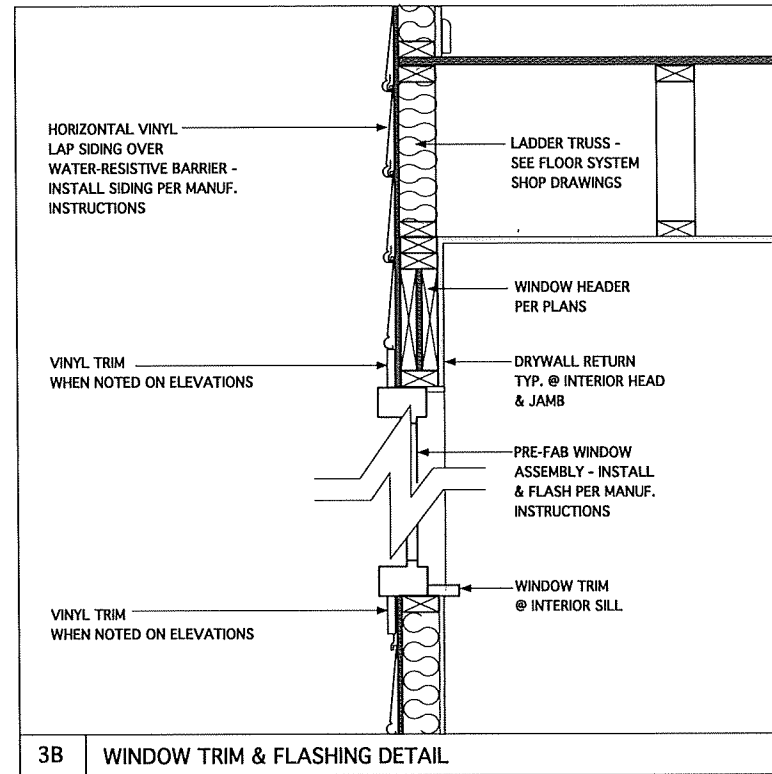
3A EXT. GARAGE FRONT WALL W/ BRICK WAINSCOT VENEER



2A FOUND. DETAIL FRONT @ PORCH W/ BRICK WAINSCOT VENEER



1A FOUND. DETAIL @ FRONT WALL W/ BRICK WAINSCOT VENEER



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JAMES WALTER WENTLING
REGISTERED ARCHITECT
#642
JAMES W. WENTLING
NORTH CAROLINA
RALEIGH, N.C.
2/23/23

DATE	DESCRIPTION
12-18-18	CONVERT HIGHGATE
01-14-21	RE-STAMP SHEET
09-09-21	RE-STAMP SHEET
02-15-23	NEILL'S POINT/FARM
02-23-23	GARAGE LEFT

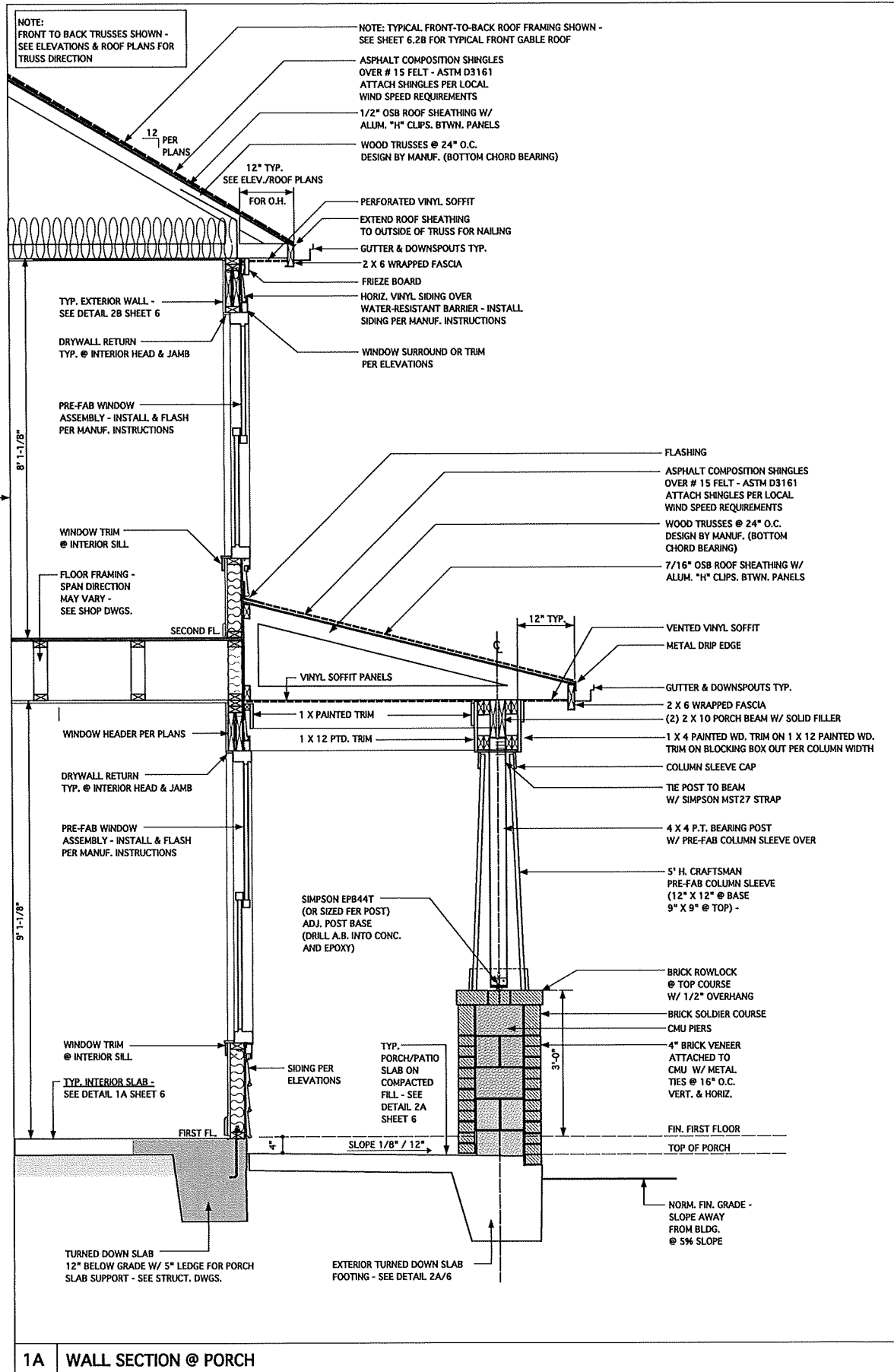
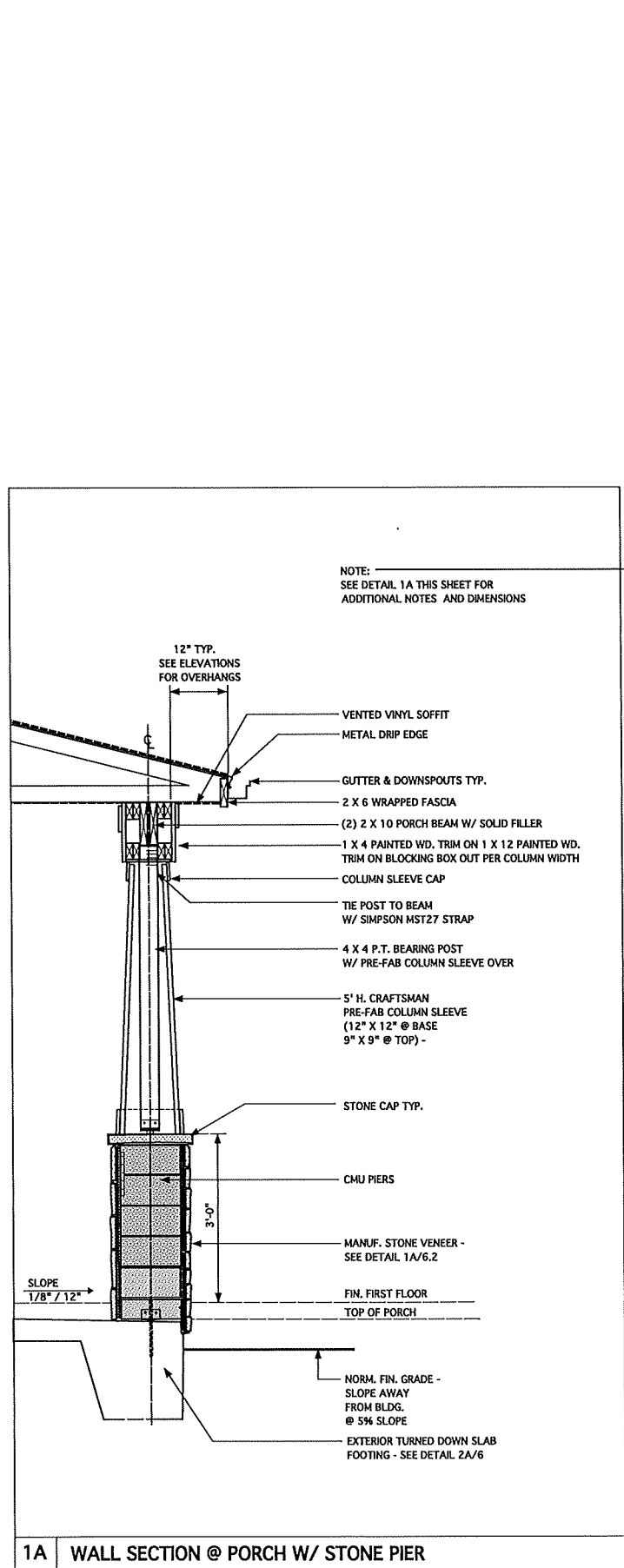
PROJECT NO. 113-88
DATE 10-16-17
SCALE 1-1/2" = 1'-0"
DRAWN BY DN
CHECKED BY JW
ISSUED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
**MODEL 6260 -
GARAGE LEFT**

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DRAWING TITLE
**MONOLITHIC SLAB
FOUNDATION
AND WALL DETAILS**

SHEET
6.2



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W. WENTLING
NORTH CAROLINA
RALEIGH, N. C.
2/23/23

DATE	DESCRIPTION
12-18-18	CONVERT HIGHGATE
01-14-21	RE-STAMP SHEET
09-09-21	RE-STAMP SHEET
02-15-23	NEILL'S POINT/FARM
02-23-23	GARAGE LEFT

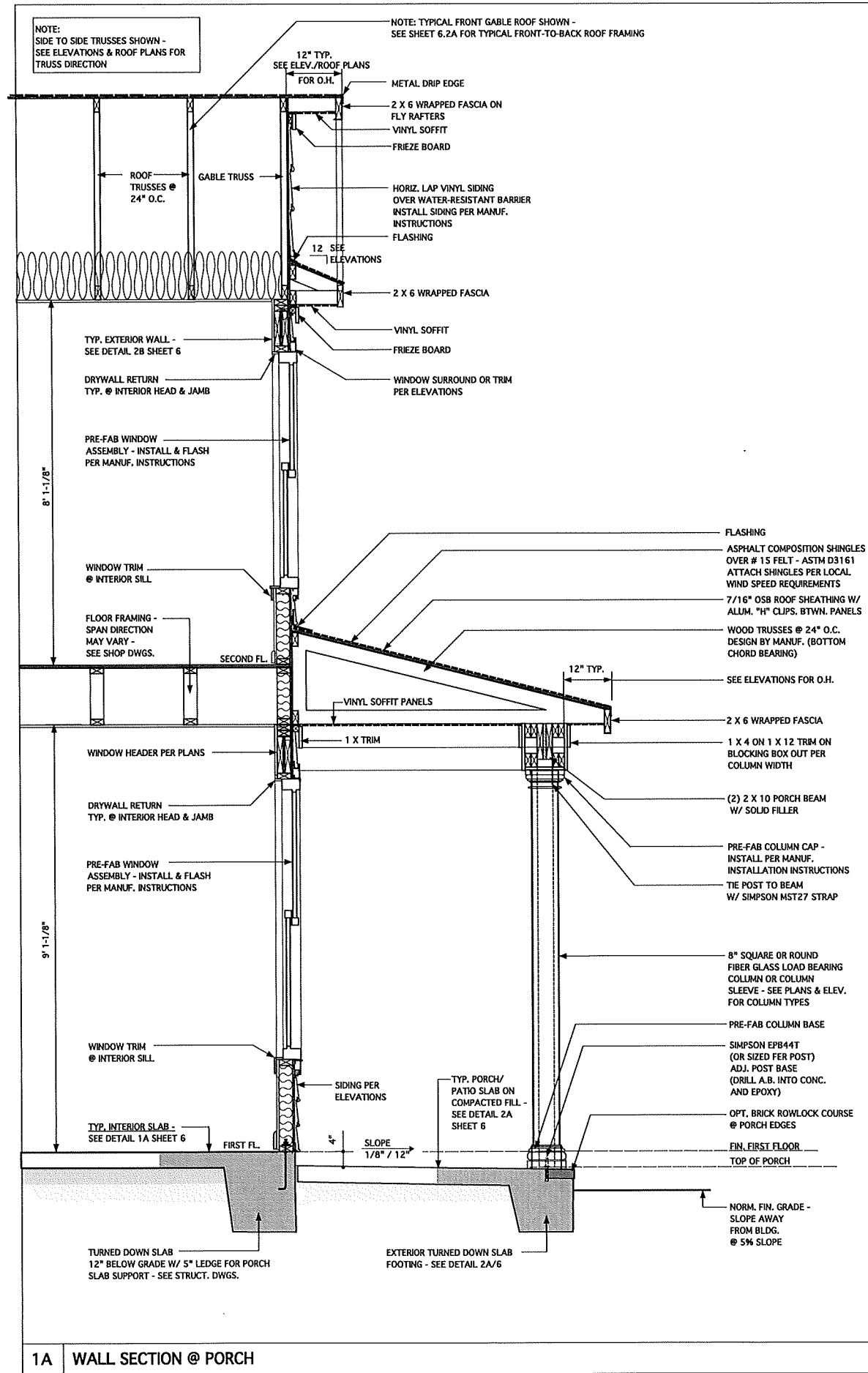
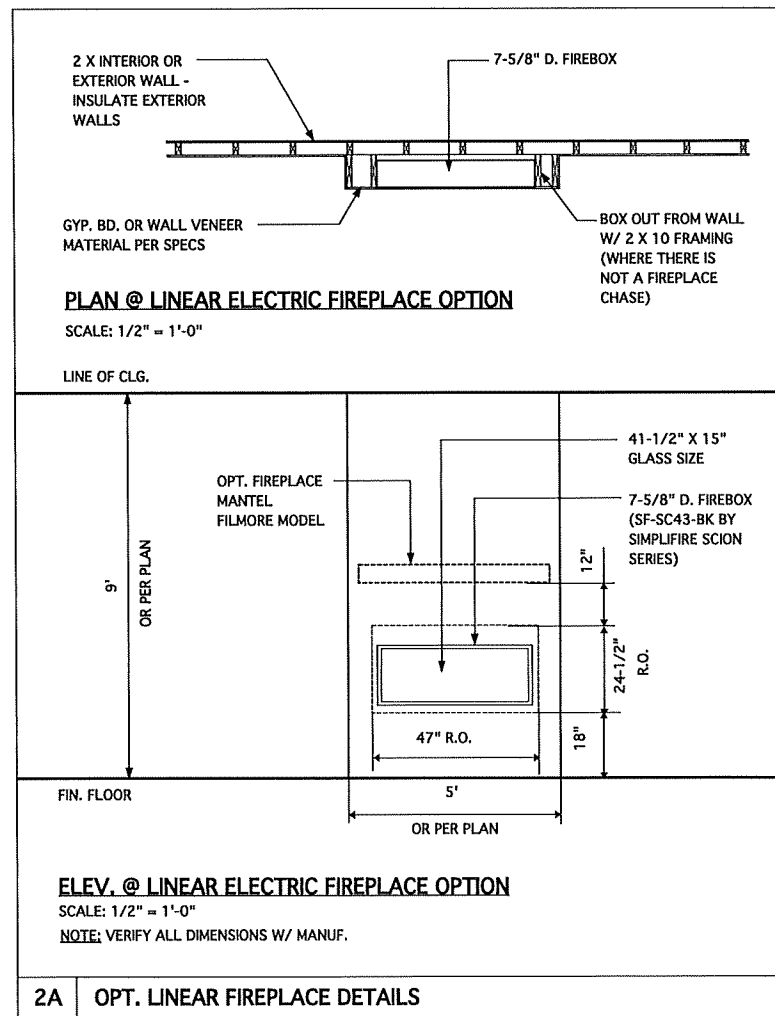
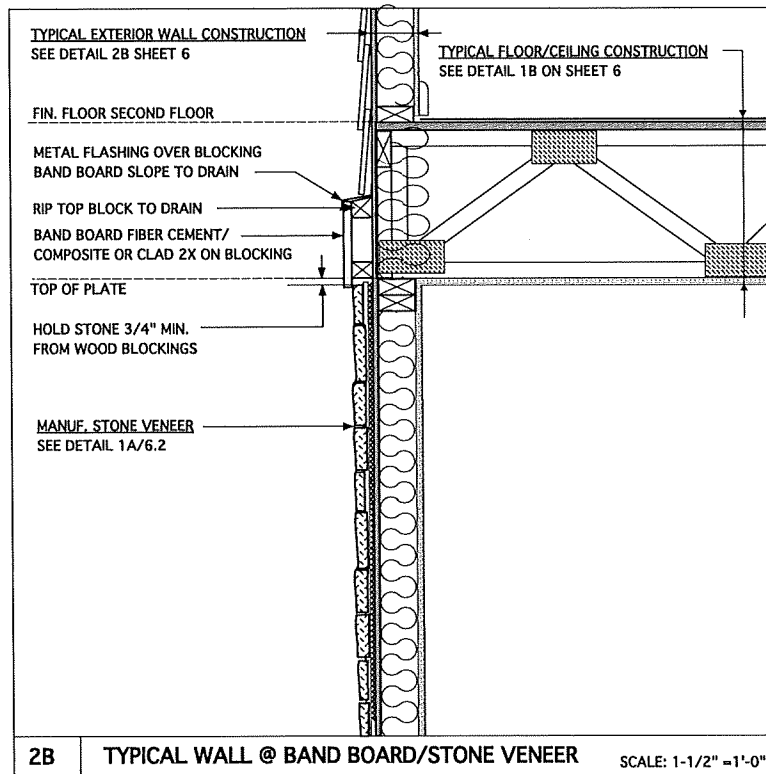
PROJECT NO. 113-88
DATE 01-08-18
SCALE 3/4" = 1'-0"
DRAWN BY DN
CHECKED BY JW
BIDD FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 6260 - GARAGE LEFT

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DRAWING TITLE
ELEVATION A - DETAILS

SHEET
6.2A



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RALEIGH, N. C.
2/23/23

REVISIONS		
MARK	DATE	DESCRIPTION
DN	12-18-18	CONVERT HIGHGATE
AM	01-14-21	RE stamps SHEET
AM	09-09-21	RE stamps SHEET
JW	02-15-23	NEILL'S PORT/PARK
AC	02-23-23	GARAGE LEFT

PROJECT NO.
113-88

DATE
01-08-18

SCALE
3/4" = 1'-0" U.S.O.

DRAWN BY
DN

CHECKED BY
JW

ISSUED FOR
PERMITS/CONSTRUCTION

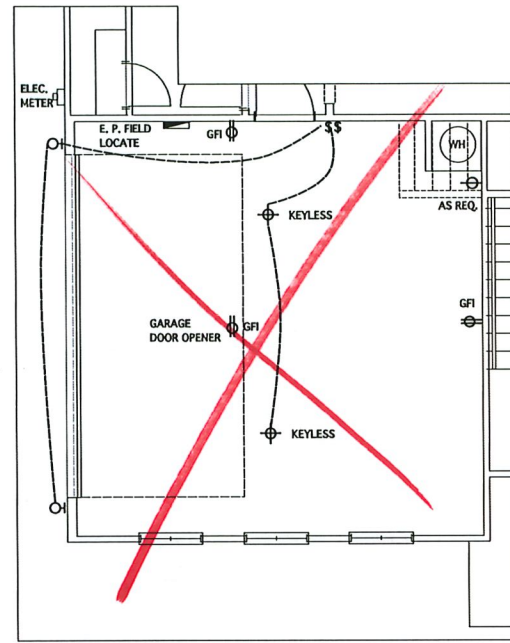
PROJECT TITLE
**MODEL 6260 -
GARAGE LEFT**

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Raleigh, NC 27604
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(919) 556-0690 Fax

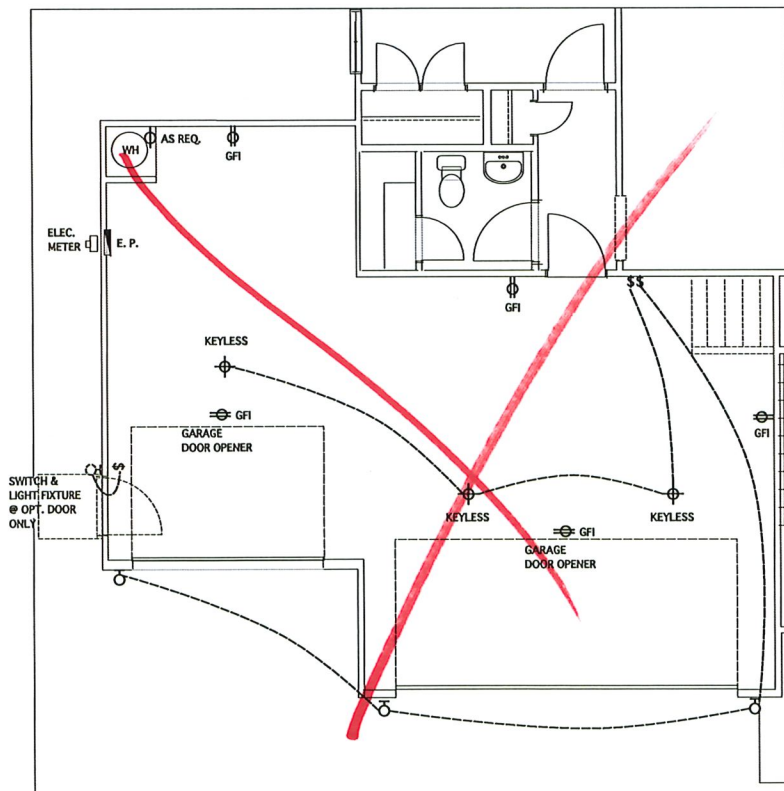
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**ELEVATION B/C/D/F -
DETAILS**

SHEET
6.2B

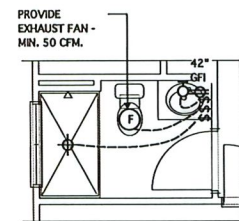
FLUORESCENT LIGHT FIXTURE; MULTI-TUBE		SINGLE RECEPTACLE OUTLET	
FLUORESCENT LIGHT FIXTURE; SINGLE-TUBE		DUPLEX RECEPTACLE OUTLET	
CEILING MOUNTED LIGHT FIXTURE		DUPLEX RECEPTACLE OUTLET-GROUND FAULT INTERRUPTER	
FLUSH-MOUNT LED LIGHT FIXTURE		DUPLEX RECEPTACLE OUTLET-SPLIT WIRED	
WALL MOUNTED LIGHT FIXTURE		220V OUTLET	
PREWIRE CEILING FAN		WEATHER-PROTECTED EXTERIOR OUTLET WITH IN-USE COVER & GFI PROTECTED	
EXHAUST FAN - 50 CFM.		SWITCH	
CEILING LIGHT/FAN COMBO		THREE WAY SWITCH	
SMOKE DETECTOR - HARDWIRED & INTERCONNECTED		48 CIRCUIT BREAK PANEL W/ 200 AMP. EL. SERVICE LINE	
CARBON MONOXIDE DETECTOR - HARDWIRED/PLUG-IN/ BATTERY TYPE OR HOUSEHOLD CARBON MONOXIDE DETECTOR SYSTEM		JUNCTION BOX W/ SHUT-OFF SWITCH	



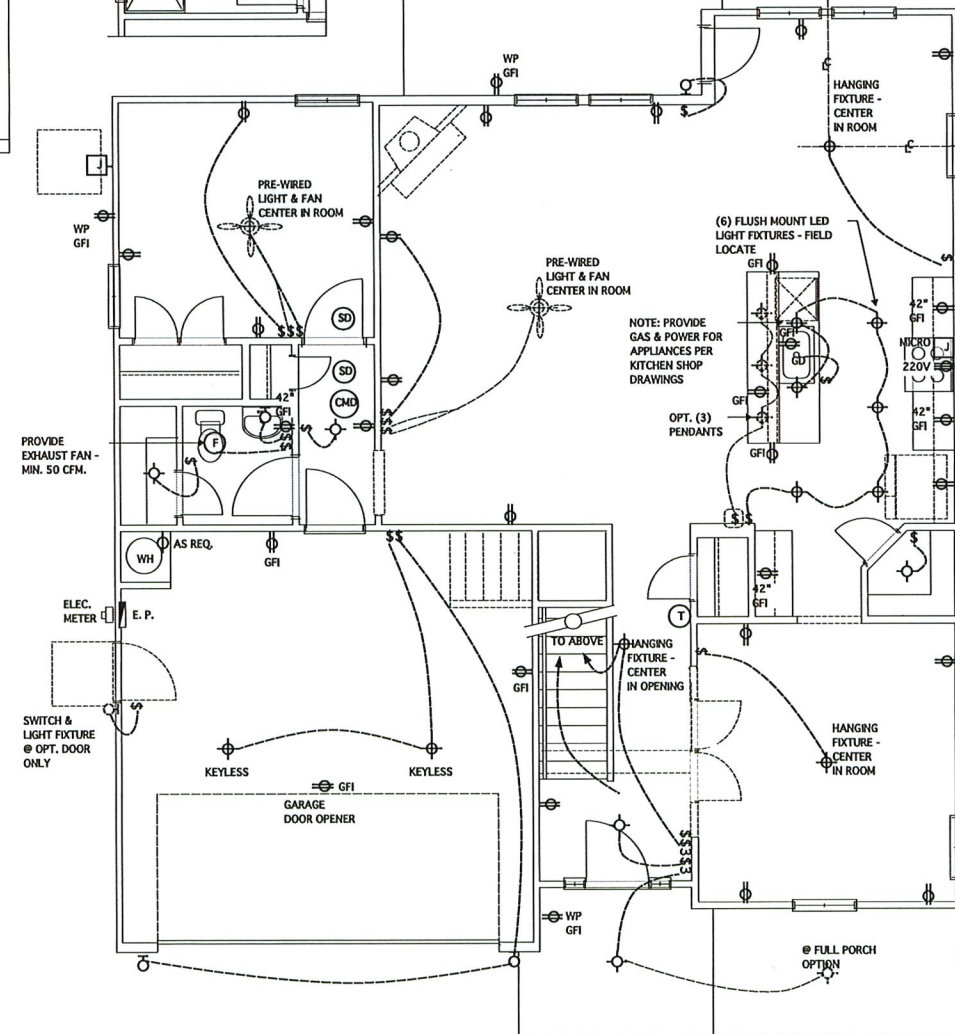
@ OPT. SIDE-LOAD GARAGE @ ELEV. A
SCALE 1/4" = 1'-0"



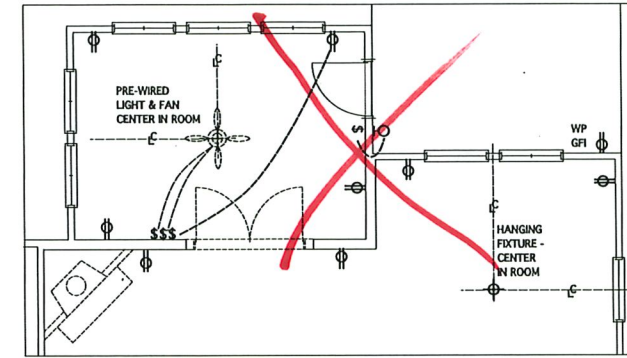
FLOOR PLAN @ OPT. THIRD-CAR GARAGE
SCALE 1/4" = 1'-0"



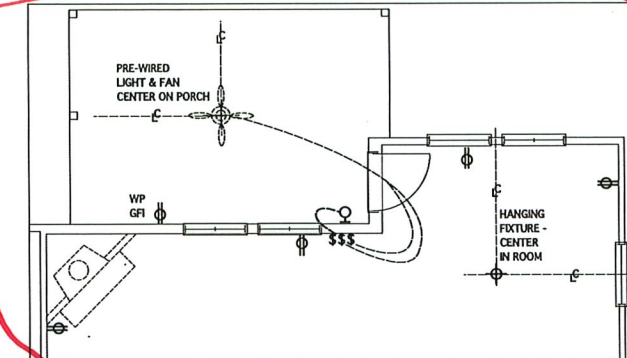
PROVIDE EXHAUST FAN - MIN. 50 CFM.



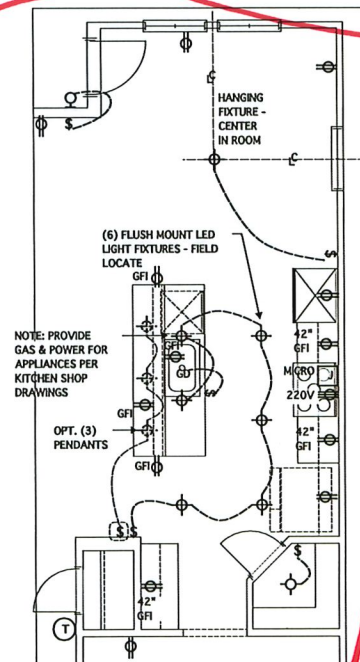
FIRST FLOOR ELECTRICAL PLAN
SCALE 1/4" = 1'-0"



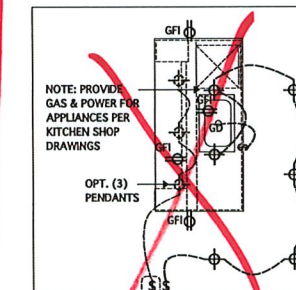
@ OPT. SUNROOM
SCALE 1/4" = 1'-0"



@ OPT. COVERED PORCH
SCALE 1/4" = 1'-0"



OPT. GOURMET KITCHEN
SCALE 1/4" = 1'-0"



OPT. GOURMET KITCHEN ISLAND
SCALE 1/4" = 1'-0"

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REVISIONS		
MARK	DATE	DESCRIPTION
CH	05-28-19	ELEVATIONS
CH	12-10-19	3RD CAR GARAGE EXT.
AM	01-14-21	RESTAMP SHEET
AM	09-09-21	RESTAMP SHEET
JW	02-15-23	NEILL'S POINT/FARM
DN	02-23-23	1'-0" DRIVING EXTENSION/ STRUCT. DWGS. REV.
AC	02-23-23	GARAGE LEFT

PROJECT NO. 113-88
DATE 01-08-18
SCALE AS NOTED
DRAWN BY JK
CHECKED BY JW
ISSUED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 6260 - GARAGE LEFT

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DRAWING TITLE
FIRST FLOOR ELECTRICAL PLANS

SHEET
7

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REVISIONS		
MARK	DATE	DESCRIPTION
DN	01-14-19	STRUCT. DWGS. REV.
CH	05-28-19	FULL PORCH OPT.
AM	01-14-21	RESTAMP SHEET
AM	09-09-21	M. BATH WINDOW REV.
JW	02-15-23	NEILL'S POINT/FARM
DN	02-23-23	1'-0" DINING EXTENSION/ STRUCT. DWGS. REV.
AC	02-23-23	GARAGE LEFT

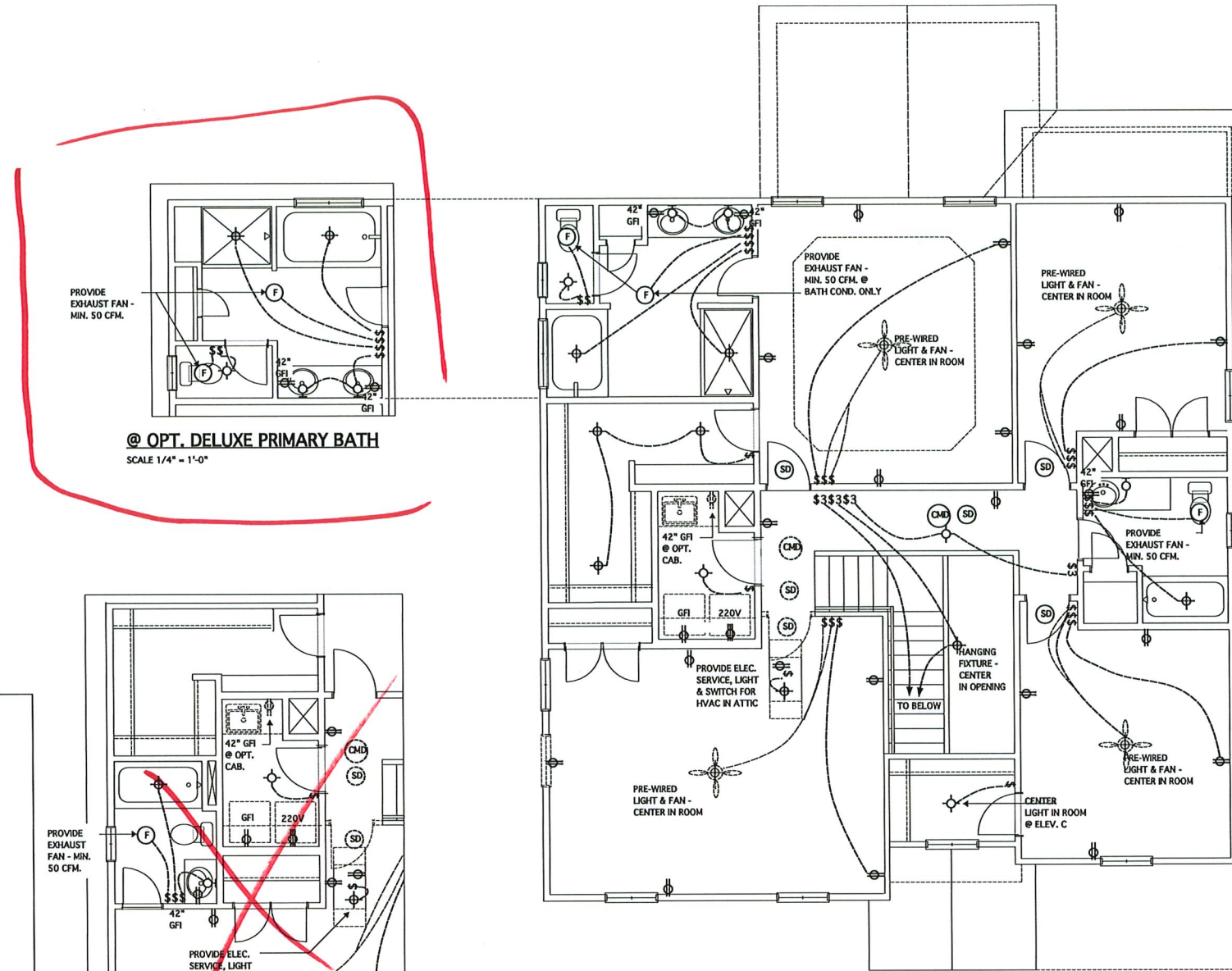
PROJECT NO.	113-88
DATE	01-08-18
SCALE	AS NOTED
DRAWN BY	JK
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
**MODEL 6260 -
GARAGE LEFT**

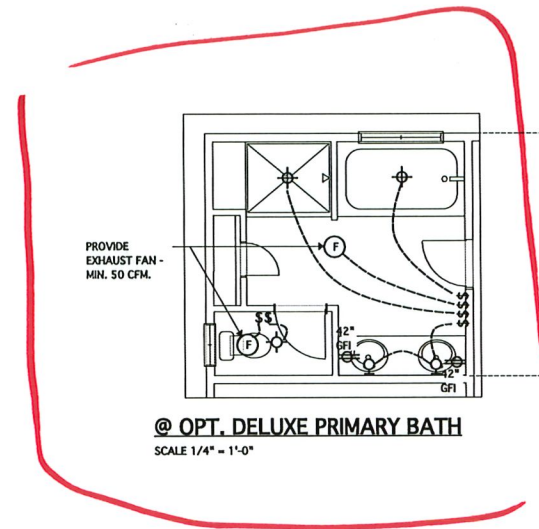
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**CHESAPEAKE
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Raleigh, NC 27604
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(919) 556-0690 Fax

DRAWING TITLE
**SECOND FLOOR
ELECTRICAL PLANS**

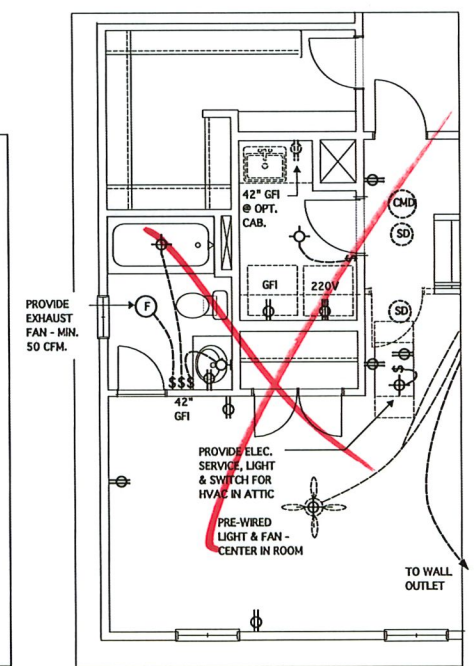
SHEET
7.1



SECOND FLOOR PLAN
SCALE 1/4" = 1'-0"



@ OPT. DELUXE PRIMARY BATH
SCALE 1/4" = 1'-0"



OPT. BATH & CLOSET
SCALE 1/4" = 1'-0"

	SINGLE RECEPTACLE OUTLET		FLUORESCENT LIGHT FIXTURE; MULTI-TUBE
	DUPLEX RECEPTACLE OUTLET		FLUORESCENT LIGHT FIXTURE; SINGLE-TUBE
	DUPLEX RECEPTACLE OUTLET-GROUND FAULT INTERRUPTER		CEILING MOUNTED LIGHT FIXTURE
	DUPLEX RECEPTACLE OUTLET-SPLIT WIRED		FLUSH-MOUNT LED LIGHT FIXTURE
	220V OUTLET		WALL MOUNTED LIGHT FIXTURE
	WEATHER-PROTECTED EXTERIOR OUTLET WITH IN-USE COVER & GFI PROTECTED		PREWIRE CEILING FAN
	SWITCH		EXHAUST FAN - 50 CFM.
	THREE WAY SWITCH		CEILING LIGHT/FAN COMBO
	48 CIRCUIT BREAK PANEL W/ 200 AMP. EL. SERVICE LINE		SMOKE DETECTOR - HARDWIRED & INTERCONNECTED
	JUNCTION BOX W/ SHUT-OFF SWITCH		CARBON MONOXIDE DETECTOR - HARDWIRED/PLUG-IN/ BATTERY TYPE OR HOUSEHOLD CARBON MONOXIDE DETECTOR SYSTEM
	FIRE EXTINGUISHER		

STRUCTURAL NOTES

NC (2018 NCRC), Mnd: 115-120 mph

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HPS, VALLEYS, ROSES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PER 1 BRCKER SYSTEM, FOOTING, AND PLUMB SYSTEM. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ANCHORAGE. LAYOUT OF ROOF SYSTEM, ALL REQUIREMENTS FOR PROFESSIONAL CERTIFICATION SHALL BE PROVIDED BY THE APPROPRIATE PROFESSIONAL. SOUTHERN ENGINEERS, P.A. CERTIFIES ONLY THE STRUCTURAL COMPONENTS AS SPECIFICALLY STATED.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE 2018 NC RESIDENTIAL CODE 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 FOR SAFETY PRECAUTIONS AND PROVISIONS IN CONNECTION WITH THE CONSTRUCTION WORK. NOT HALL. THE ENGINEER IS RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. "CONSTRUCTION REVIEW" SERVICES ARE NOT PART OF OUR CONTRACT. ALL VENTERS SHALL BE FRAMED ANCHORED, TIED AND BRACED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND THE BUILDING CODE.
- DESIGN LOADS (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION)
 - ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L260)
 - SLEEPING ROOMS: (20 PSF, 10 PSF, L260)
 - ATTIC WITH PERMANENT STAIR: (40 PSF, 10 PSF, L260)
 - ATTIC WITHOUT PERMANENT STAIR: (20 PSF, 10 PSF, L260)
 - ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L240)
 - STAIRS: (40 PSF, 10 PSF, L260)
 - EXTERIOR BALCONIES: (60 PSF, 10 PSF, L360)
 - DECKS: (40 PSF, 10 PSF, L260)
 - GUARDRAILS AND HANDRAILS: (200 LBS)
 - PASSENGER VEHICLE GARAGES: (20 PSF, 10 PSF, L260)
 - FIRE ESCAPES: (40 PSF, 10 PSF, L260)
 - SNOW: (20 PSF)
- WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORES WITH HOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND HAILING REQUIREMENTS.
- SEE APPENDIX H (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 5000 PSI AND A MINIMUM SLUMP OF 5 INCHES (UNLESS NOTED OTHERWISE (N.C)). AIR ENTRAINED PER TABLE 402.2. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES FOR PUMPING SHALL BE TAKEN FROM THE EXIT END OF THE PUMP. CONTROL JOINTS IN SLABS SHALL BE SPACED ON A GRID OF +30 TIMES THE DEPTH (D). CONTROL JOINTS SHALL BE SAUGHT TO A DEPTH OF 1/2 D. (E. 4" CONCRETE SLABS SHALL HAVE 1/2" DEEP CONTROL JOINTS SAUGHT IN SLAB ON A +10'-0" x +10'-0" GRID).
- ALLOWABLE SOIL BEARING PRESSURE ASSIGNED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER IF UNSATISFACTORY SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA ADJACENT TO THE FOUNDATION SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.
- ALL FRAMING LUMBER SHALL BE SPP #2 (B) = 875 PSI (UNLESS NOTED OTHERWISE (N.C)). ALL TREATED LUMBER SHALL BE SPP #2. PLATE MATERIAL MAY BE SPP #3 OR SPP #3 (2x4s) = 725 PSI - (N.C).
- L.V.L. SHALL BE LAMINATED VENEER LUMBERS. Fb=2600 PSF, Fv=265 PSF, E=1,840,000 PSF. F1.1. SHALL BE PARALLEL STRAND LUMBER. Fb=2200 PSF, Fv=240 PSF, E=2,200,000 PSF. L.S.L. SHALL BE LAMINATED STRAND LUMBER. Fb=2250 PSF, Fv=400 PSF, E=1,550,000 PSF. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- ALL ROOF TRUSS AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAWINGS. TRUSSES AND I-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARINGS FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TIE WALLED TO THE SOLE PLATE, AND SOLE PLATE IS WALLED OR BOLTED TO THE BEAM FLANGE @ 40" O.C. ALL STEEL TUBING SHALL BE ASTM A500.
- REBAR SHALL BE DEFORMED STEEL, A573M3, GRADE 60. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM A325) WITH WASHERS PLACED UNDER THE THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" O.C. (MAX), AND SPACED AT THE TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 6" FROM EACH END.
- BRICK LINTELS (WHEN REQUIRED) SHALL BE 3 1/2" x 12 1/4" x 14" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6'-4" x 14" STEEL ANGLE WITH 1/2" LEB VERTICAL FOR SPANS UP TO 4'-0". SEE PLANS FOR SPANS OVER 4'-0". SEE ALSO SECTION R100.9.3 LINTELS.

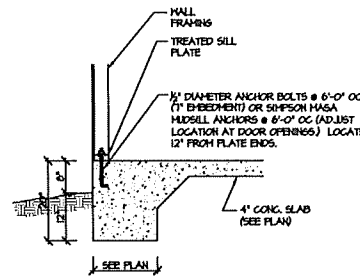
FRAMING NOTES

NC (2018 NCRC), Mnd: 115-120 mph

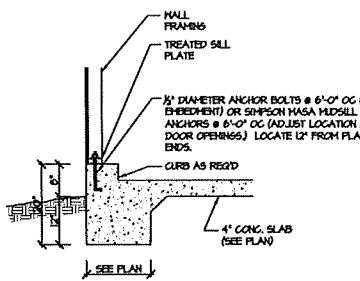
- BRACING METHOD AND TYPE. CONTINUOUSLY SHEATHED HEP, CS-PF. NOTE THAT THE WALL BRACING ANCHOR PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE ANCHOR OF WALL BRACING REQUIRED BY SECTION R602.02 OF THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL FRAMING.
- EXTERIOR WALL SHEATHING WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORES WITH HOOD STRUCTURAL PANELS. SHEATHING (HEP) (EXPOSURE B, 7/8" EXPOSURE C, E1827). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6" x 12" HAILING PATTERN (6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.
- HEP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF PER SECTION R602.04.5 AND ATTACH BRACED WALLS PER CODE. HEP SHEATHING BETWEEN FLOORS SHALL BE SPICED ALONG CONTINUOUS BAND OR THE HEP SHEATHING MAY BE SPICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
- 1/2" x HOLD-DOWN, HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY.
- 1/2" x HOLD-DOWN DEVICE. USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV).
- INTERIOR FLOORS. ATTACH BASE OF KING STUD WITH A SIMPSON C522 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END WITH (2) 8d NAILS.
- INTERIOR BRACED WALL. (NOTED AS "IB" ON PLANS) ATTACH 1/2" 6175H BOARD (6d) ON EACH SIDE OF WALL WITH A MIN OF 5d COOLER NAILS OR 16 SCREWS @ 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
- INTERIOR BRACED WALL-HOOD STRUCTURAL PANEL. (NOTED AS "IBH" ON PLANS). ATTACH ONE SIDE WITH 1/2" HEP SHEATHING WITH 8d NAILS AT A 6" x 12" HAILING PATTERN (6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH 6d OVER HEP AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" 6d WITH A MIN OF 5d COOLER NAILS OR 16 SCREWS @ 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

HEADER/BEAM & COLUMN NOTES

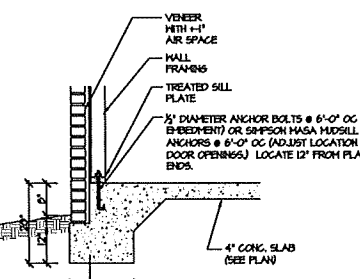
- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN (22x6 (4" WALL) OR 22x8 (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM 11 OF TABLE R602.05) OR AS BELOW PER NC001 COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-4-2020.
 - UP TO 3' SPAN (1) KING STUD
 - OVER 3' UP TO 6' SPAN (2) KING STUDS
 - OVER 6' UP TO 12' SPAN (3) KING STUDS
 - OVER 12' UP TO 15' SPAN (4) KING STUDS
 - OVER 15' UP TO 18' SPAN (5) KING STUDS



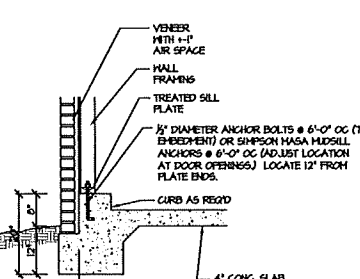
115-120 100A 50 MONOLITHIC SLAB FOOTING (SIDING OR EQUAL)



115-120 101A 50 MONOLITHIC SLAB @ GARAGE (SIDING OR EQUAL)



115-120 102A 50 MONOLITHIC SLAB FOOTING (VENEER)



115-120 103A 50 MONOLITHIC SLAB @ GARAGE (VENEER)

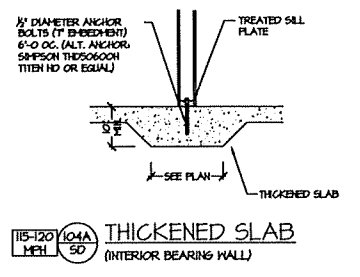
TRUSS SYSTEM REQUIREMENTS

NC (2018 NCRC), Mnd: 115-120 mph

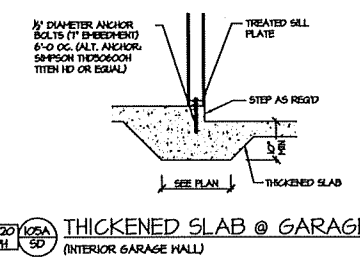
- TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
- ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON 5/8" x 2 OR 3/4" PLATES OR LEDGERS (END).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICA.

PORCH POST NOTES:

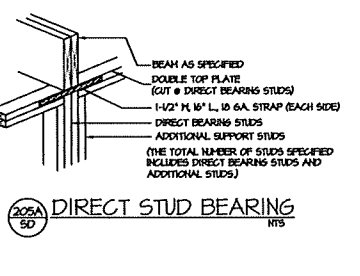
- 4x4 (6x6) TRIP POST (OR EQUAL). ATTACH TRUSSES (RAFTERS) AT PORCH WITH HURRICANE CONNECTIONS.
- POST CAP: SIMPSON ICA-HAK (ACA-HA0)
- POST CAP AT CORNER: (2) SIMPSON LCE4 (OTHER HEADER AT CORNER). HIGH MIN; ADD (1) SIMPSON ICS.
- POST BASE: SIMPSON ABM4 (ABM6).
- 1/2" x 1/2" x 3/4" ANCHOR (EMBED 1')
- (2) 1/2" x 3/4" ANCHOR (EXTEND TO FOOTING - HIGH MIN ONLY)
- POST BASE, HOOD FOUNDATION: (2) SIMPSON C56 STRIPS AT POSTS. EXTEND 12" ONTO EACH POST (UPPER AND LOWER) OR BRCKER.
- NOTE: EQUIVALENT POST CAP AND BASE ACCEPTABLE.



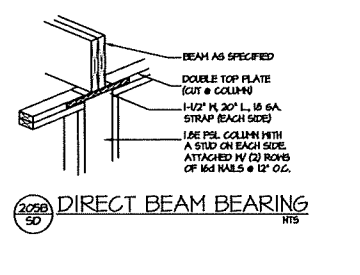
115-120 104A 50 THICKENED SLAB (INTERIOR BEARING WALL)



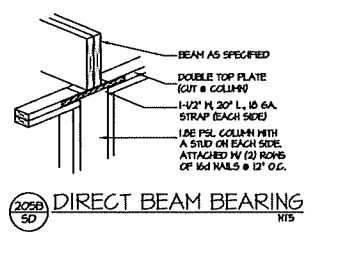
115-120 105A 50 THICKENED SLAB @ GARAGE (INTERIOR GARAGE WALL)



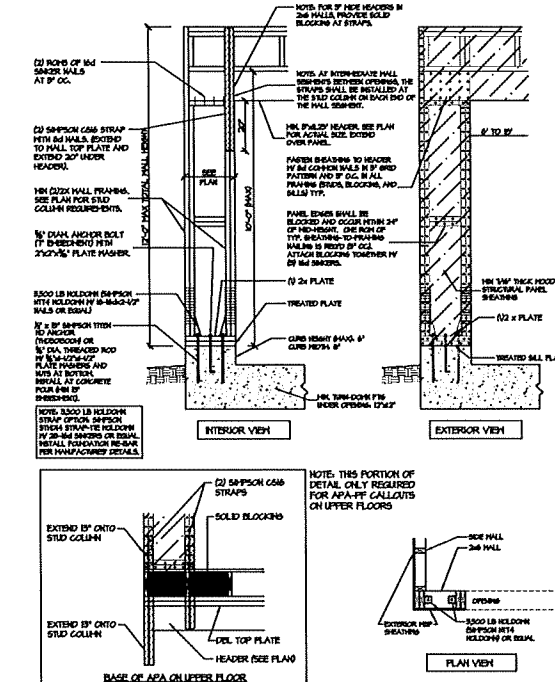
202A 50 DIRECT STUD BEARING



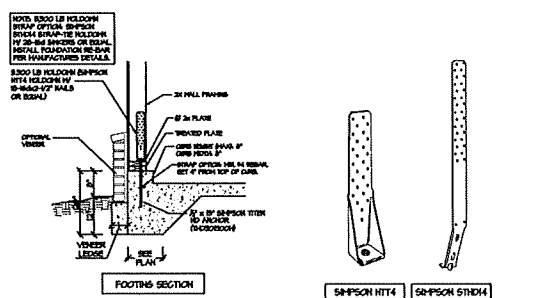
202B 50 DIRECT BEAM BEARING



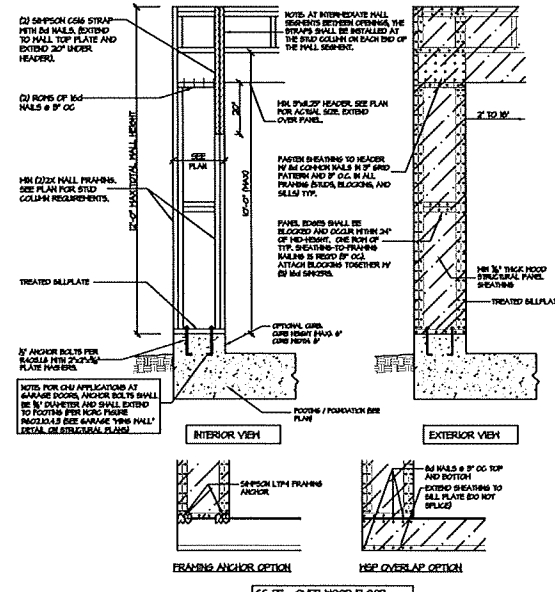
202B 50 DIRECT BEAM BEARING



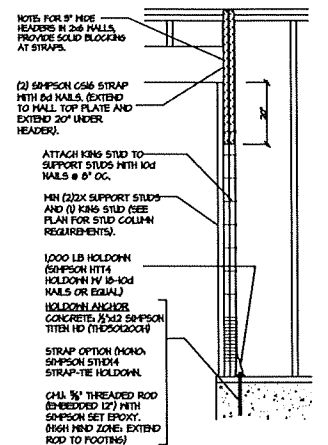
400 50 APA PORTAL FRAME W/ HOLD-DOWNS (ELEVATION) DETAIL AND APPLICATION BASED ON AFA TT-DOOF WITH USE OF TABLE 1 FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES.



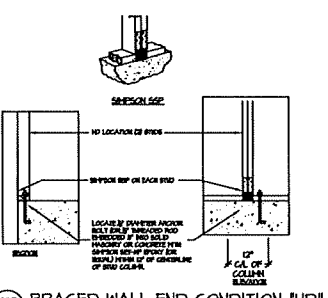
400 50 APA PORTAL FRAME W/ HOLD-DOWNS (SECTION) DETAIL AND APPLICATION BASED ON AFA TT-DOOF WITH USE OF TABLE 1 FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES.



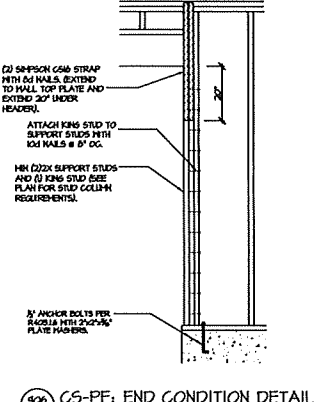
400 50 CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION DETAIL AND APPLICATION BASED ON NCRC FIGURE R602.03 - PORTAL FRAME CONSTRUCTION



402 50 END CONDITION DETAIL (FOR USE WITH SINGLE APA PORTAL FRAME CONDITION) DETAIL AND APPLICATION BASED ON AFA TT-DOOF WITH USE OF TABLE 1 FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES.



402 50 BRACED WALL END CONDITION "HD" HOLD-DOWN DETAIL. NOTES: SIMPSON DTT-12 IS ACCEPTABLE ALTERNATE. NOTE: ALTERNATE HD HOLD-DOWN DEVICES OR SYSTEMS MAY BE USED TO MEET THE CODE REQUIRED 800 LB CAPACITY IN LIEU OF THE ABOVE DETAIL.



400 50 CS-PF: END CONDITION DETAIL (FOR USE WITH SINGLE CS-PF CONDITION) DETAIL AND APPLICATION BASED ON NCRC FIGURE R602.03 - PORTAL FRAME CONSTRUCTION



PROJECT #
Multiple

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Architect

Standard Details
and Notes

Chesapeake Homes of NC

SD-1
MONO