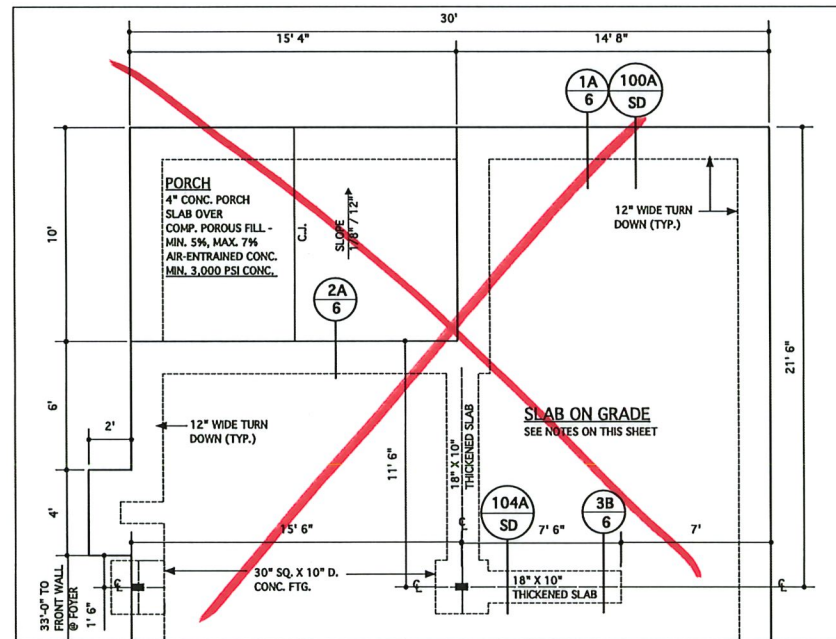
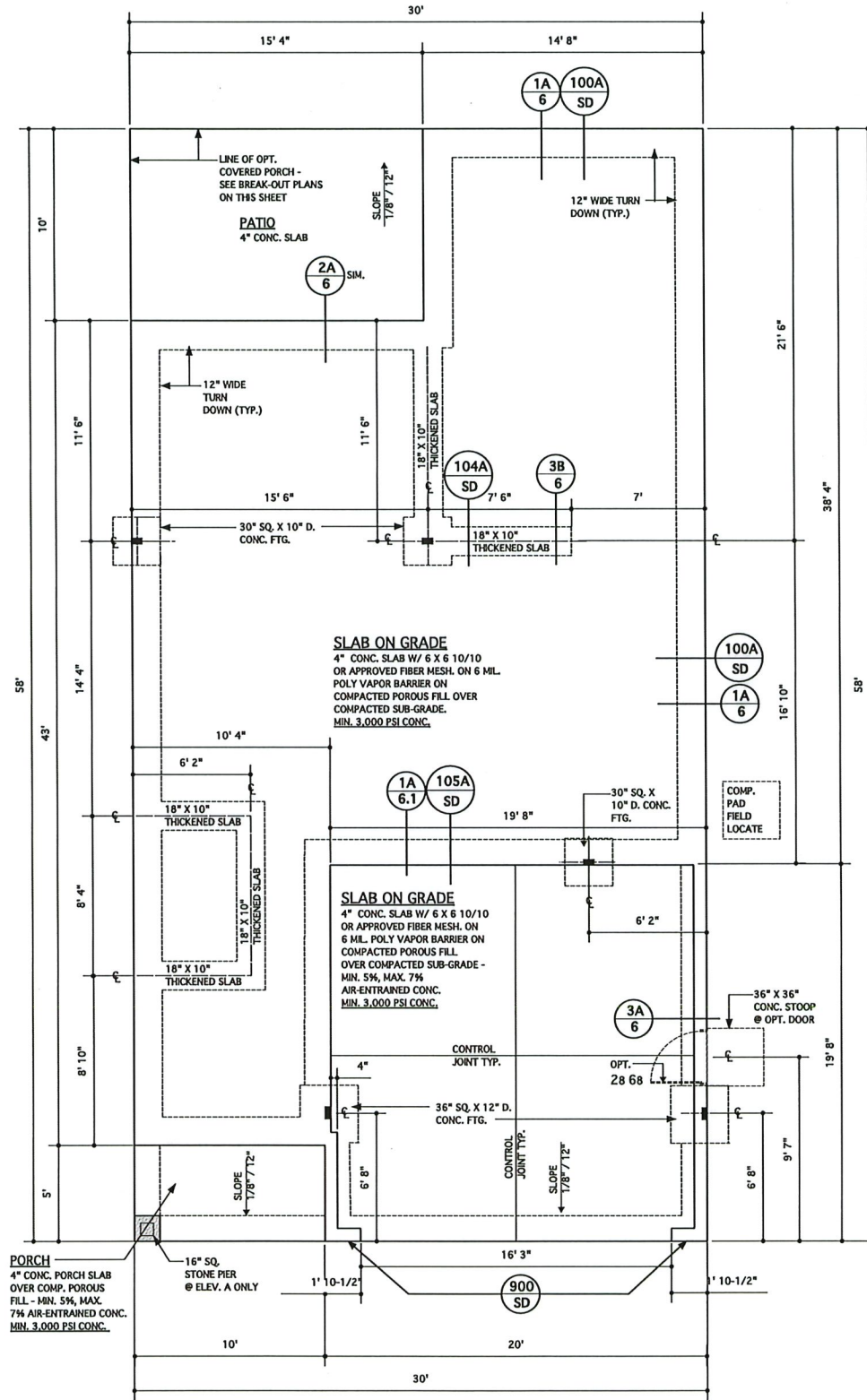


@ OPT. COVERED PORCH
SCALE 1/4" = 1'-0"



@ OPT. FIREPLACE
SCALE 1/4" = 1'-0"
NOTE:
OPT. FIREPLACE W/ COVERED PORCH OPTION SHOWN



MONOLITHIC SLAB FOUNDATION PLAN
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 # 19-1918

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



JAMES WENTLING/ ARCHITECT

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(215) 568-2551
email: james@wentlinghouseplans.com
wentlinghouseplans.com

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MARK	DATE	DESCRIPTION
AE	08-06-19	REVERSE
CH	03-11-20	CLIENT REVISIONS
AM	04-26-21	RE Stamp SHEETS
AM	02-16-22	POWDER RM. REV.
DN	03-02-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-28-23	6'-0" 3RD-CAR GARAGE JOG
DN	04-04-23	STRUCT. DWGS. REV.

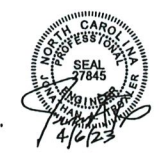
PROJECT NO.	113-88
DATE	07-12-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
USED FOR	PERMITS/CONSTRUCTION

MODEL 1944 - GARAGE RIGHT

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

MONOLITHIC SLAB FOUNDATION PLAN

STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
3716 BENSON DR., RALEIGH, NC 27609
LICENSE: C-4772, PHONE: 919-878-1617
PROJECT # 19-1918



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

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**JAMES WENTLING/
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REVISIONS		
DATE	DESCRIPTION	BY
05-20-20	UPTURNED BEAM - GARAGE	DN
08-11-20	POWDER RM. REV.	DN
04-26-21	SHOWER NOTE	AM
02-16-22	POWDER RM. REV.	AM
03-02-23	CONVERT HIGHGIBBARD THIRD-CAR GAR. OPTION	DN
03-28-23	8'-0" 3RD-CAR GARAGE JOG	DN
04-04-23	STRUCT. DWGS. REV.	DN

PROJECT INFO	
PROJECT NO.	113-88
DATE	07-12-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
USED FOR	PERMITS/CONSTRUCTION

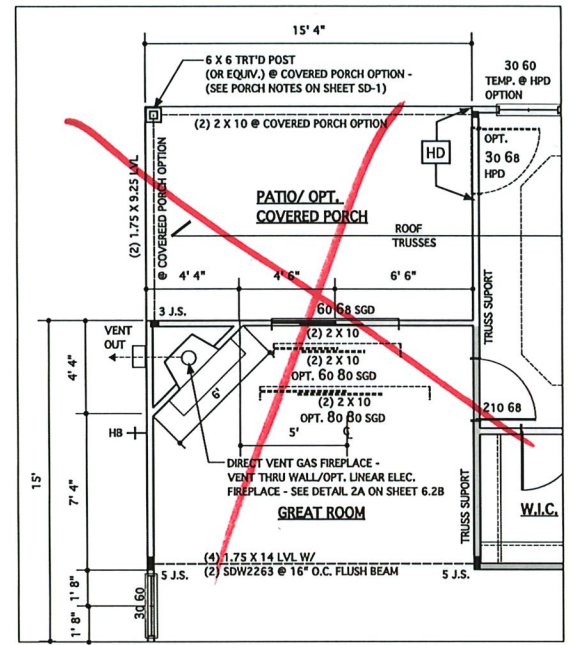
**MODEL 1944 -
GARAGE RIGHT**

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

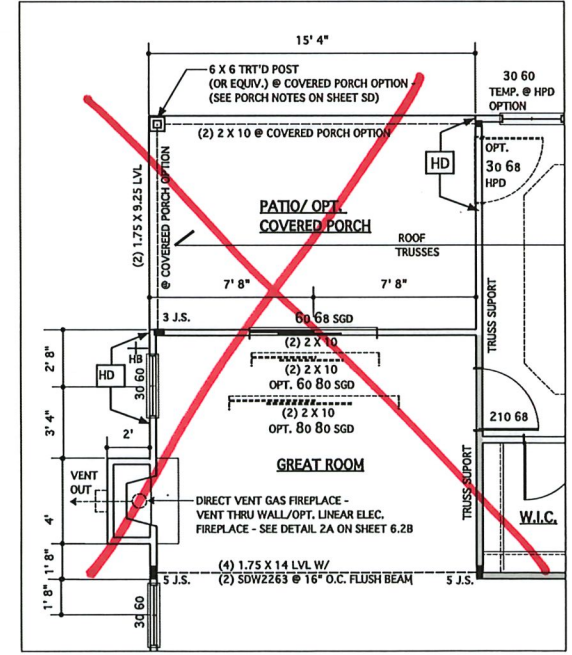
**FIRST FLOOR
PLANS**

3

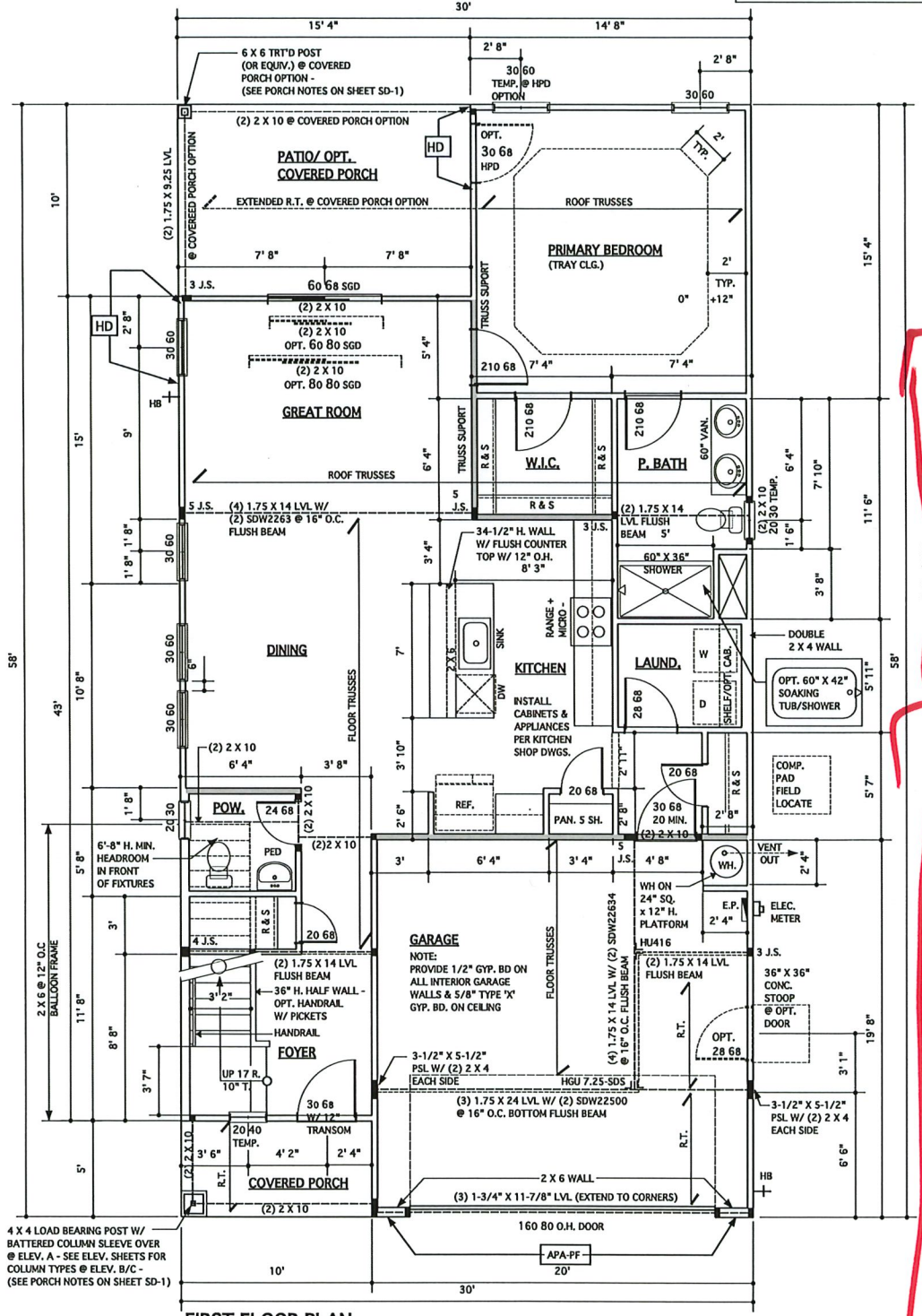
LEGEND
INTERIOR LOAD BEARING WALL
DENOTES 2 JACK STUDS UNLESS NOTED OTHERWISE
SEE STRUCTURAL DRAWINGS FOR NUMBER OF JACK STUDS AND SIZES



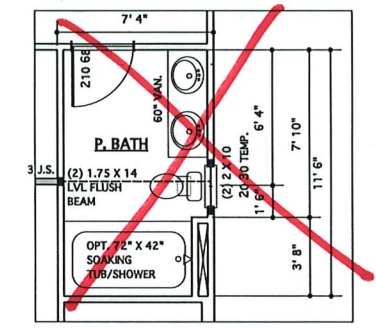
OPT. CORNER FIREPLACE
SCALE 1/4" = 1'-0"



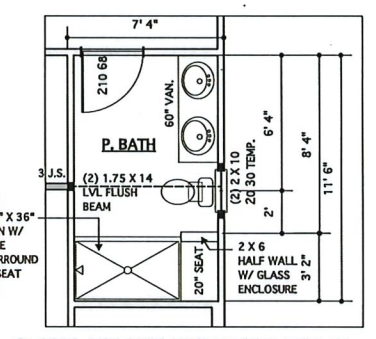
ALT. FIREPLACE LOCATION
SCALE 1/4" = 1'-0"



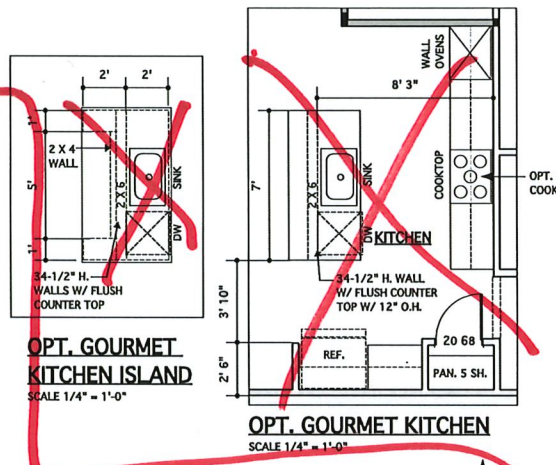
FIRST FLOOR PLAN
SCALE 1/4" = 1'-0" - 9'-0" CLG. U.N.O.



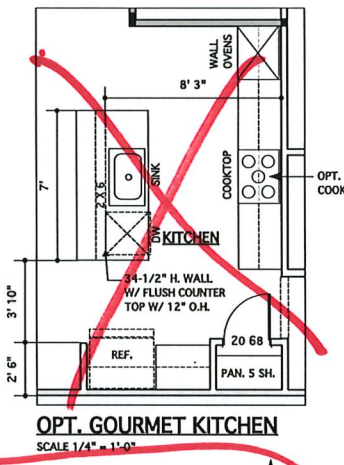
@ OPT. DELUXE PRIMARY BATH #2
SCALE 1/4" = 1'-0"



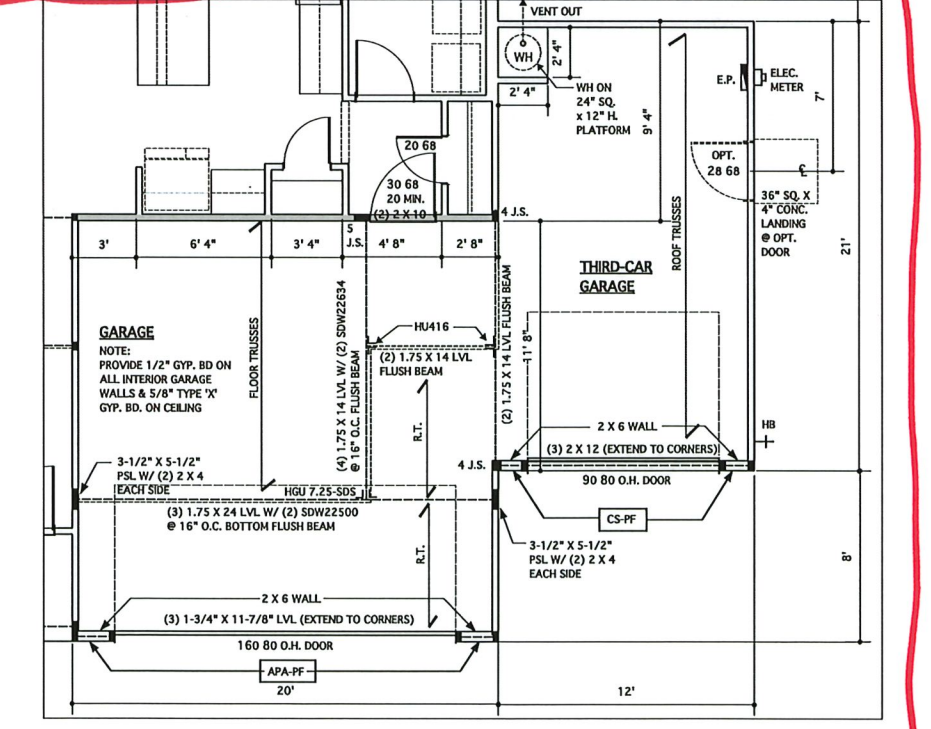
@ OPT. DELUXE PRIMARY BATH #1
SCALE 1/4" = 1'-0"



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



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



OPT. THIRD-CAR GARAGE
SCALE 1/4" = 1'-0" - 9'-0" CLG. U.N.O.

STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
3716 BENSON DR., RALEIGH, NC 27609
LICENSE: C-4772, PHONE: 919-878-1617
PROJECT # 19-1918

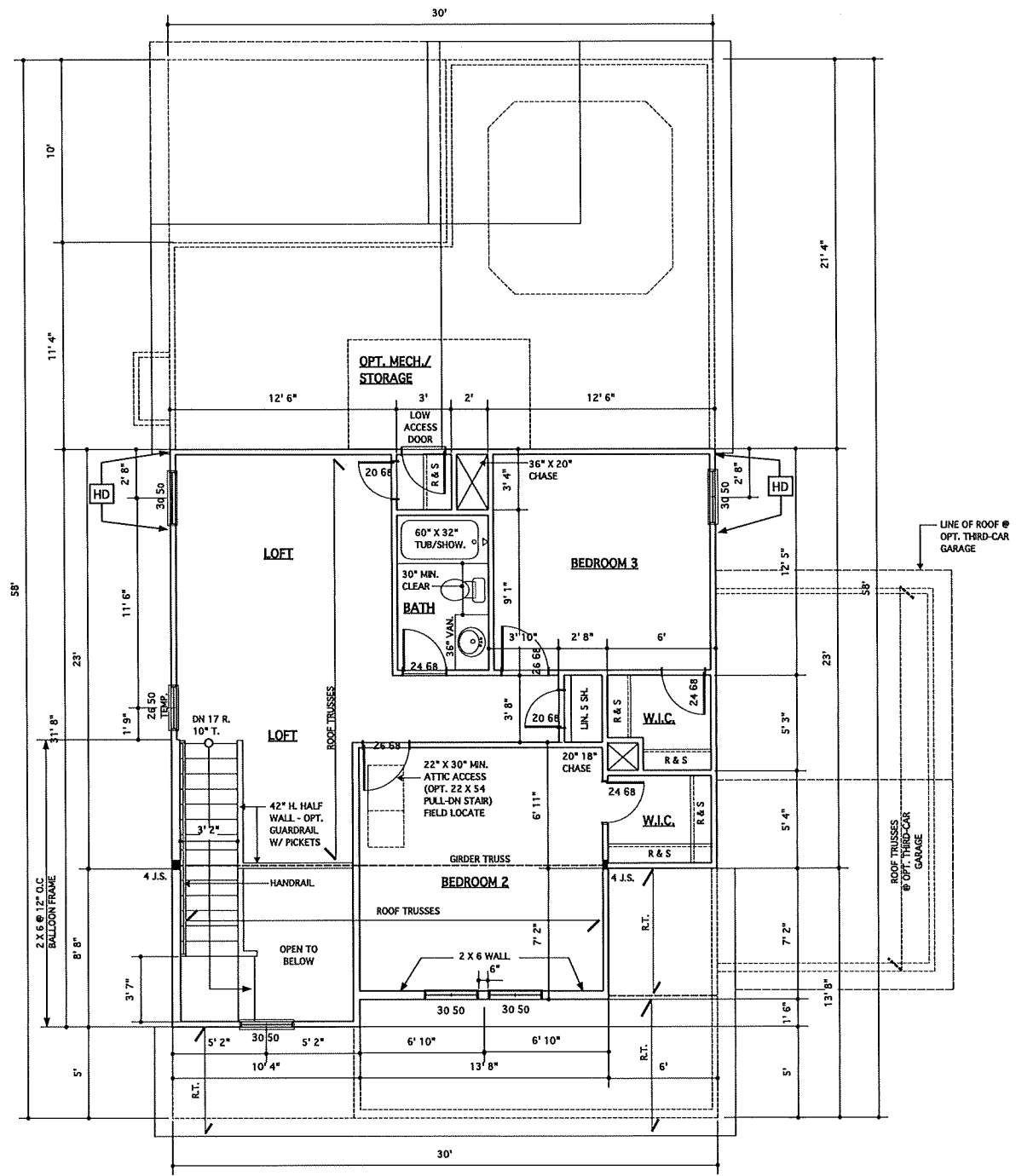


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REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.

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 WAINSCOT/VENEER TYPES & LOCATIONS

LEGEND	
	INTERIOR LOAD BEARING WALL
	DENOTES 2 JACK STUDS UNLESS NOTED OTHERWISE
SEE STRUCTURAL DRAWINGS FOR NUMBER OF JACK STUDS AND SIZES	

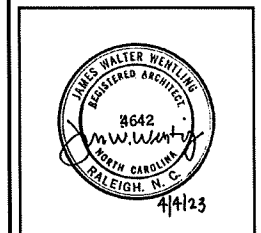


SECOND FLOOR PLAN
SCALE 1/4" = 1'-0" - 8'-0" CLG. U.N.O.

**JAMES WENTLING/
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REVISIONS		
DATE	BY	DESCRIPTION
04-29-20	CH	OPTIONS
05-20-20	DN	UPTURNED BEAM - GARAGE
04-26-21	AM	RE-STAMP SHEETS
02-16-22	AM	ENGINEER LICENSE REV.
03-02-23	DN	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
03-28-23	DN	4'-0" 3RD-CAR GARAGE JOG
04-04-23	DN	MINOR UPDATE

PROJECT NO.	113-88
DATE	07-12-19
SCALE	AS NOTED
DRAWN BY	DN
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

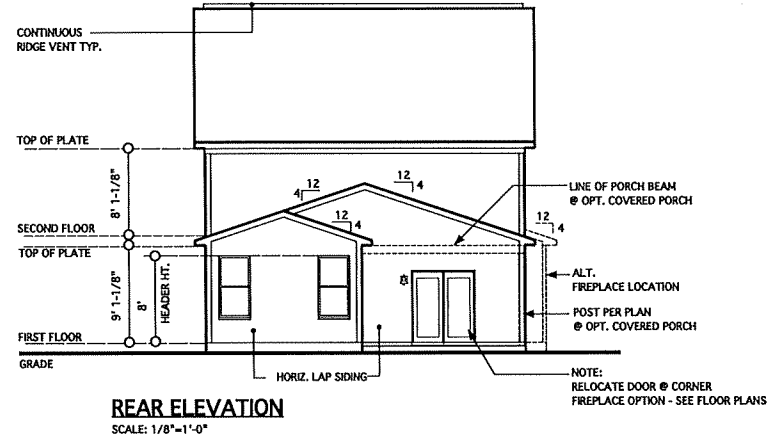
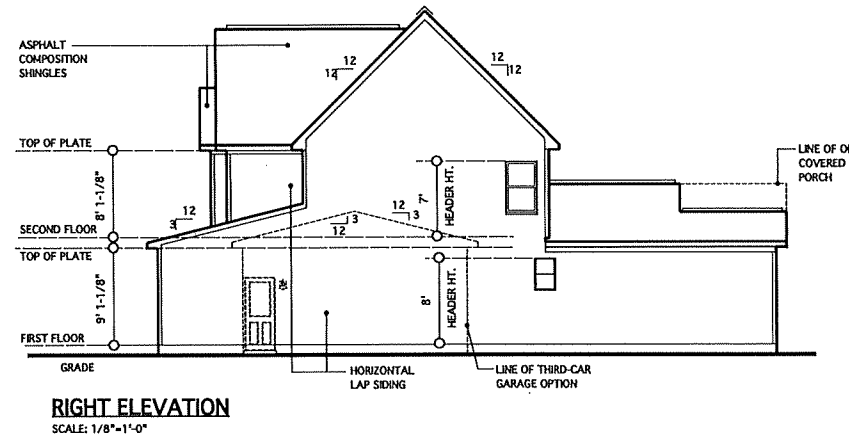
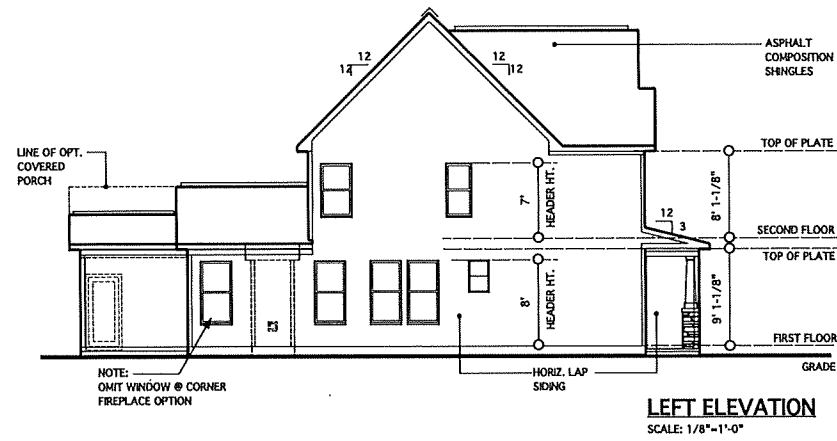
**MODEL 1944 -
GARAGE RIGHT**

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

DRAWING TITLE
**SECOND FLOOR
PLANS**

SHEET
3.1

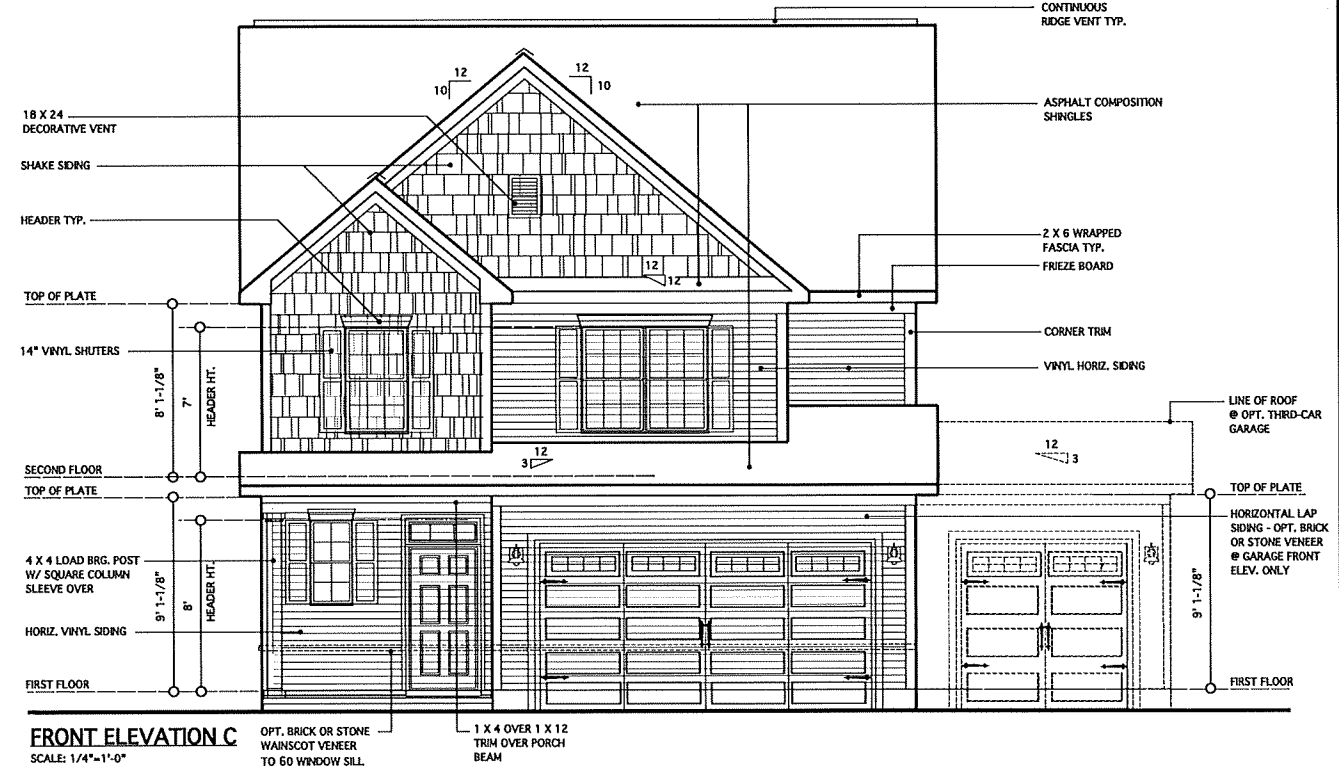
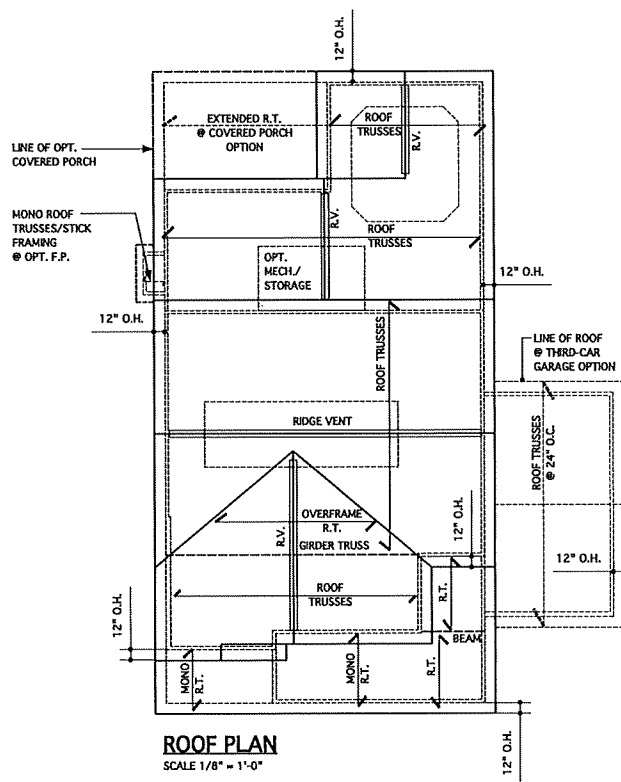
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REQUIRED VENTILATION SCHEDULE - MAIN HOUSE		
	1,766 SQ. FT. OF CEILING AREA / 300	= 5.88 SQ. FT. REQ.
RIDGE VENTS	5.88 X 0.5 = 2.94 SQ. FT. 2.94 SQ. FT. X 144 = 423 SQ. IN. 423 SQ. IN. / 18 SQ. IN. = 24 (18 SQ. IN. VENT PER LIN. FT.)	= 24 LIN. FT. REQ. 62 LIN. FT. PROVIDED
SOFFIT VENTS	5.88 X 0.5 = 2.94 SQ. FT. 2.94 SQ. FT. X 144 = 423 SQ. IN. 423 SQ. IN. / 9 SQ. IN. = 47 LIN. FT. (9 SQ. IN. VENT PER LIN. FT.)	= 47 LIN. FT. REQ. 96 LIN. FT. PROVIDED

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

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



JAMES WENTLING/ ARCHITECT
LAND TITLE BUILDING
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SUITE 1524
PHILADELPHIA, PA 19110

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DATE	DESCRIPTION
03-17-20	CLIENT REVISIONS
04-29-20	OPTIONS
05-20-20	UPTURNED BEAM - GARAGE
04-26-21	REBUMP SHEETS
02-16-22	REBUMP SHEETS
03-02-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
03-28-23	7'-0" 3RD-CAR GARAGE JOG

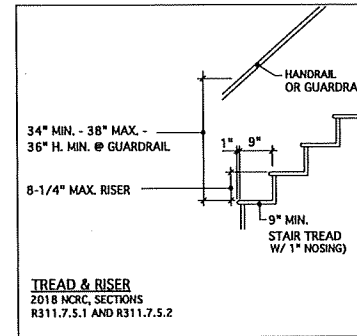
PROJECT NO. 113-48
DATE 07-12-19
SCALE AS NOTED
DRAWN BY CH
CHECKED BY JW
SHEETS FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 1944 - GARAGE RIGHT

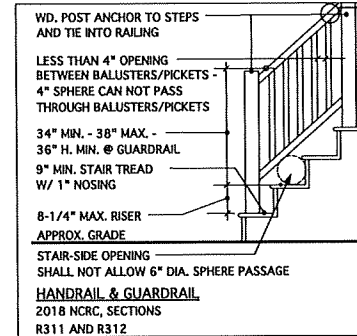
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CHESAPEAKE HOMES OF NC
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
ELEVATION C AND ROOF PLAN

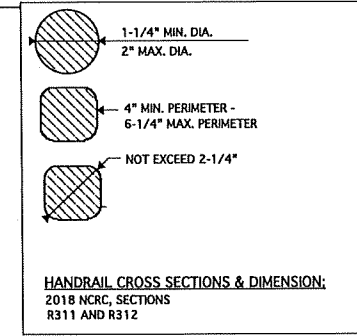
SHEET
4.2



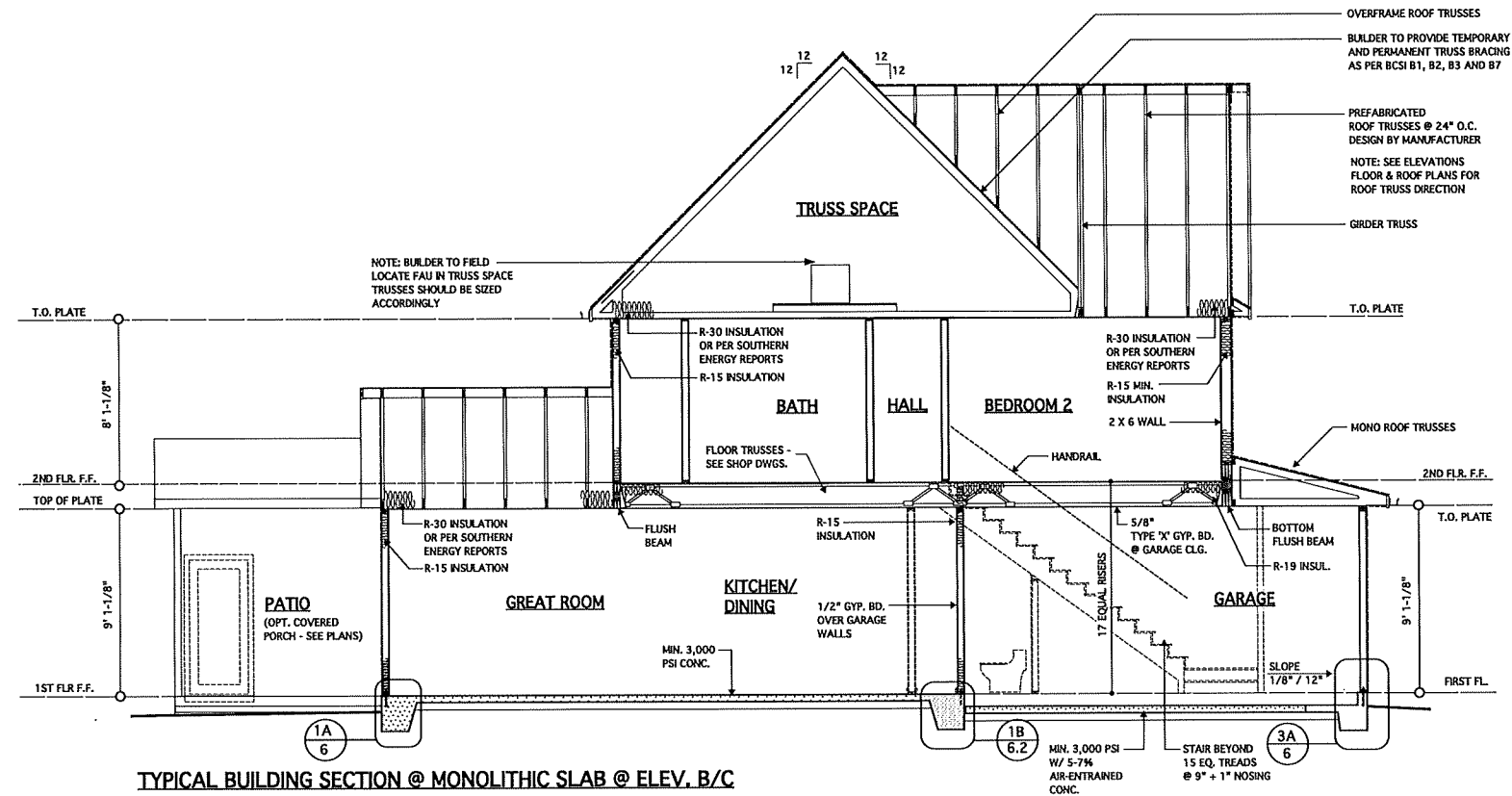
TYP. STAIR SECTION
NO SCALE
ALL STAIR AND GUARD REQUIREMENTS TO COMPLY WITH
R-311 AND R312 NCRC 2018



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 @ MONOLITHIC SLAB @ ELEV. B/C
SCALE: 1/4" = 1'-0"

**JAMES WENTLING/
ARCHITECT**

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OR BUILDINGS BEING SEIZED AND/OR RAISED.

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MARK	DATE	DESCRIPTION
CH	03-30-20	CLIENT REVISIONS
CH	04-29-20	OPTIONS
DN	05-20-20	UPTURNED BEAM - GARAGE
DN	04-11-20	POWDER RM. REV.
AM	04-26-21	RE-STAMP SHEETS
AM	02-16-22	RE-STAMP SHEETS
DN	03-02-23	CONVERT BIGHGATE/ADD THIRD-CAR GAR. OPTION

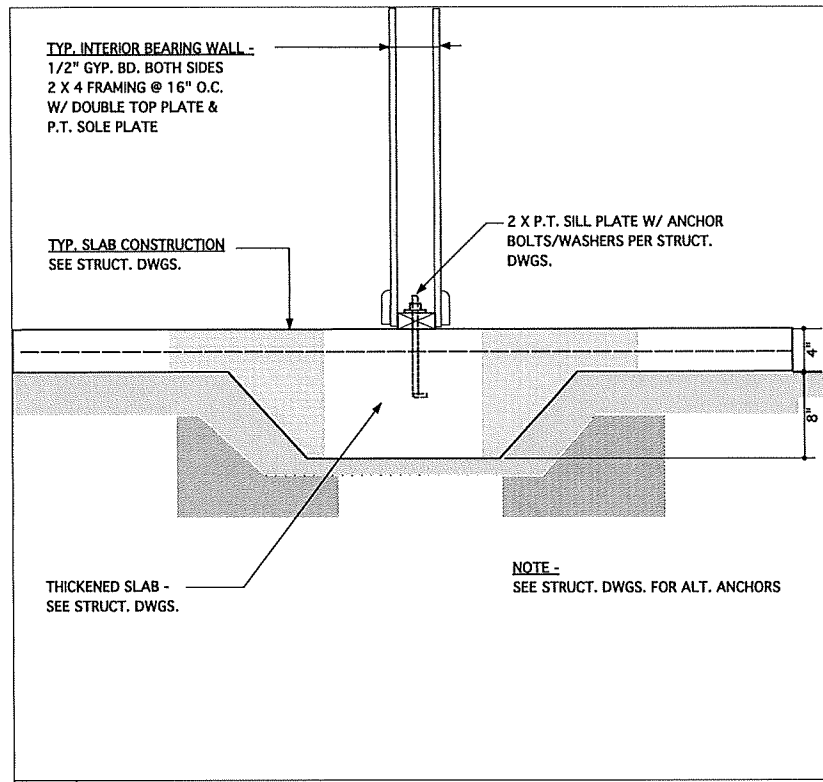
PROJECT NO.	113-88
DATE	07-12-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
**MODEL 1944 -
GARAGE RIGHT**

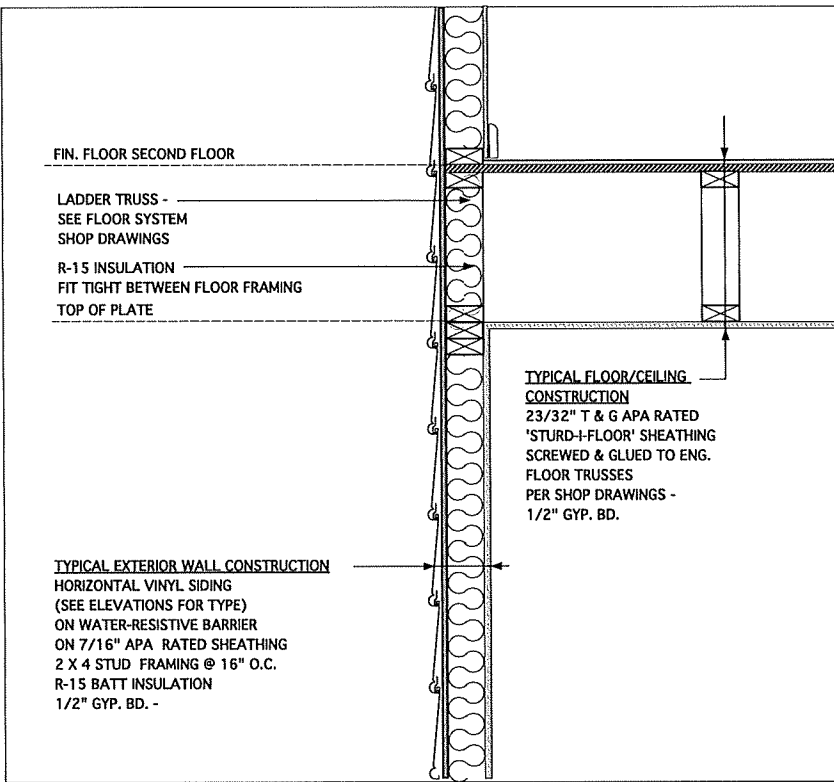
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HOMES OF NC**
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
BUILDING SECTION

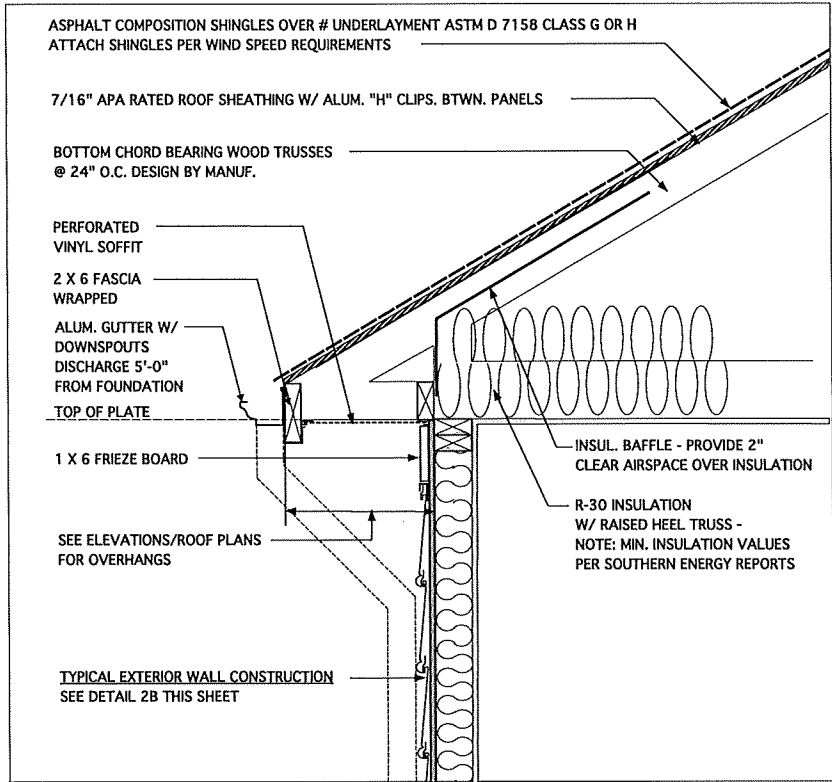
SHEET
5



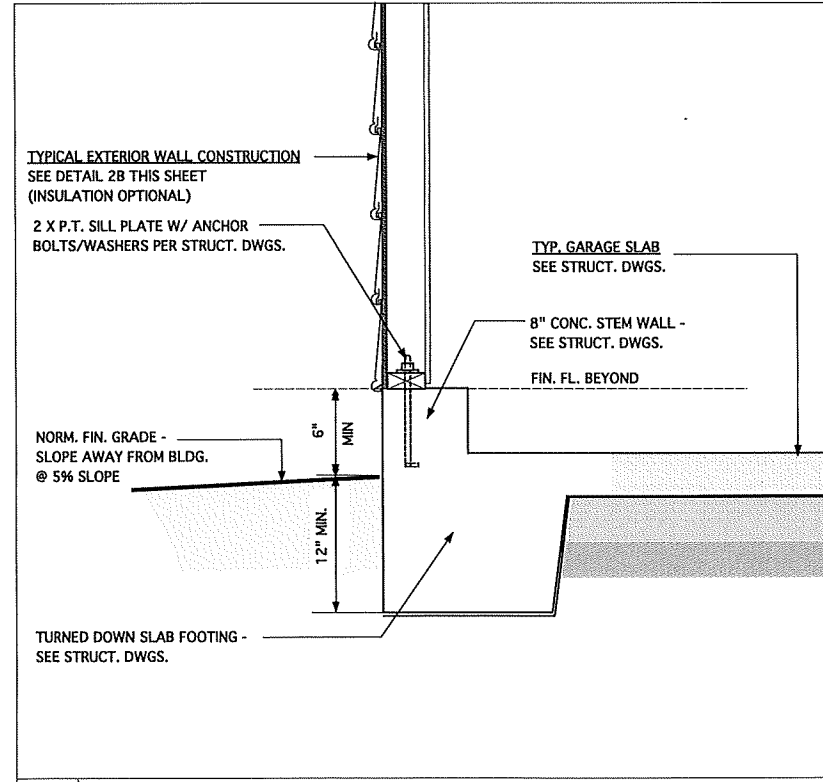
3B FOUNDATION DETAIL @ INTERIOR THICKENED SLAB



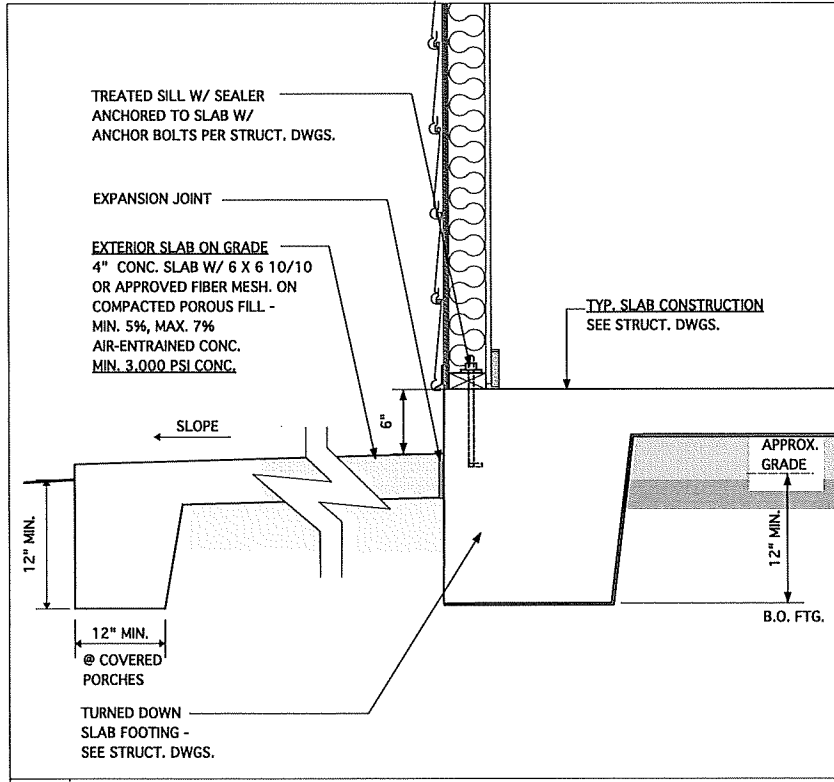
2B TYPICAL FLOOR / WALL DETAIL



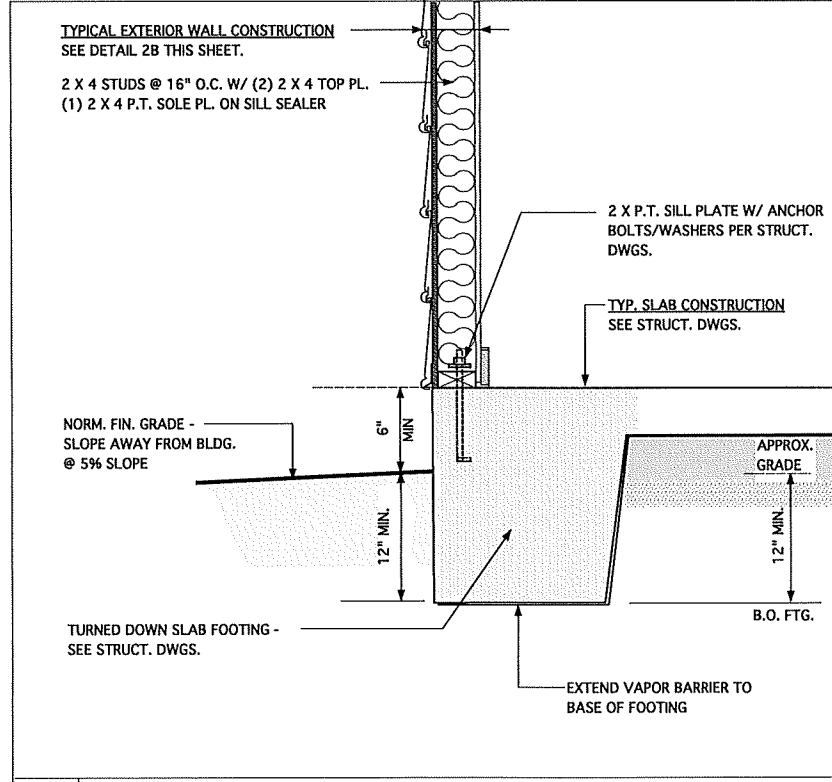
1B TYPICAL SOFFIT DETAIL



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
M.W. WENTLING
NORTH CAROLINA
RALEIGH, N. C.
4/1/23

MAX.	DATE	DESCRIPTION
DN	12-03-19	MINOR UPDATES
CH	03-30-20	MINOR UPDATES
AM	04-26-21	RE-STAMP SHEETS
AM	02-16-22	RE-STAMP SHEETS
DN	03-02-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION

PROJECT NO. 113-88
DATE 07-12-19
SCALE 1-1/2" = 1'-0"
DRAWN BY CHI
CHECKED BY JW
GRID FOR PERMITS/CONSTRUCTION

PROJECT TITLE
**MODEL 1944 -
GARAGE RIGHT**

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**

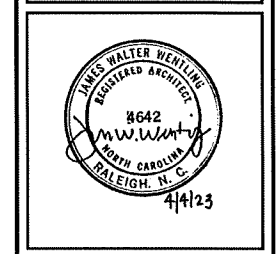
SHEET
6

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REVISIONS

DATE	DESCRIPTION
12-03-19	MINOR UPDATES
03-30-20	MINOR UPDATES
04-26-21	RE-STAMP SHEETS
02-16-22	RE-STAMP SHEETS
03-02-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION

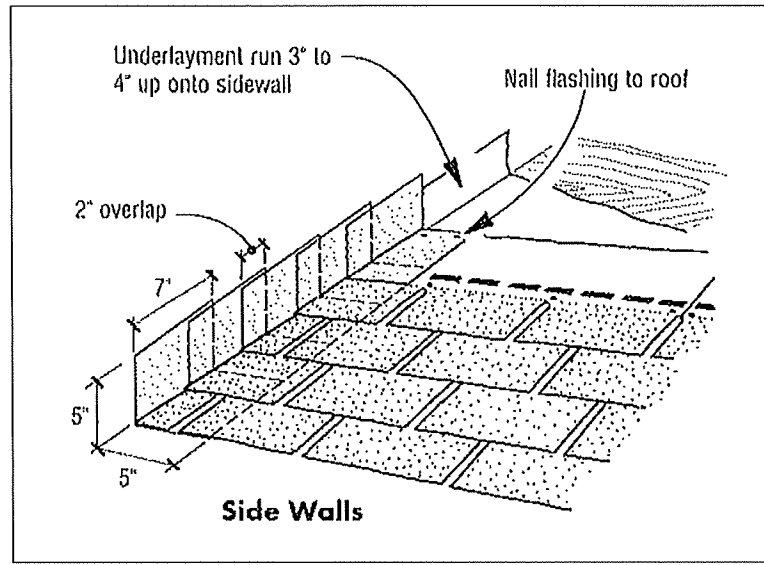
PROJECT NO. 113-88
DATE 07-12-19
SCALE 1-1/2" = 1'-0" U.N.D.
DRAWN BY CH
CHECKED BY JW
SHEET FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 1944 - GARAGE RIGHT

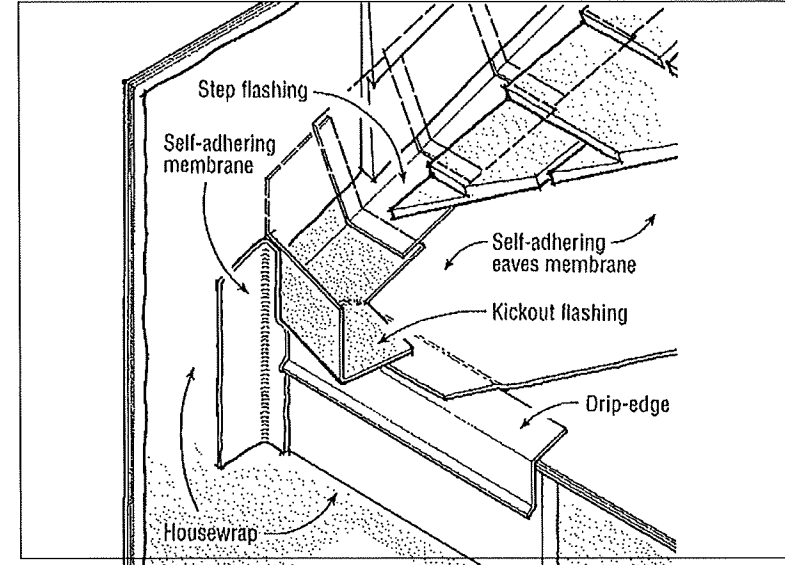
CLIENT
CHESAPEAKE HOMES OF NC
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
MONOLITHIC SLAB FOUNDATION AND WALL DETAILS

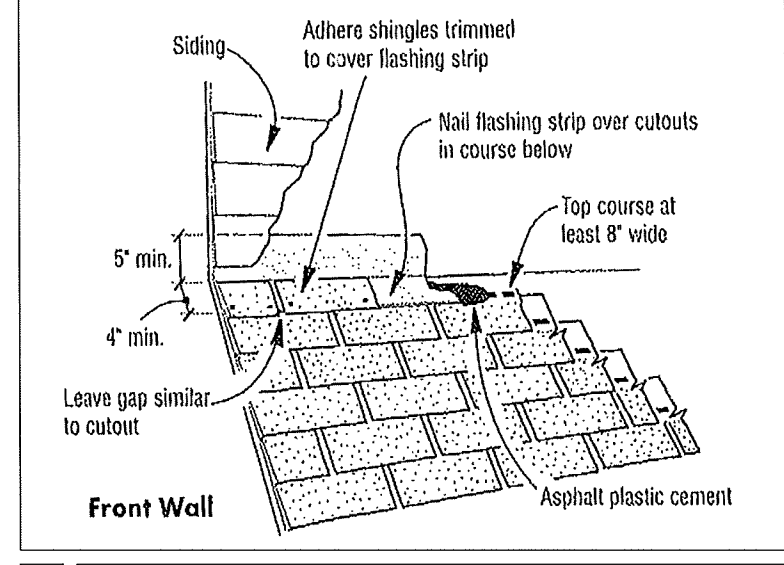
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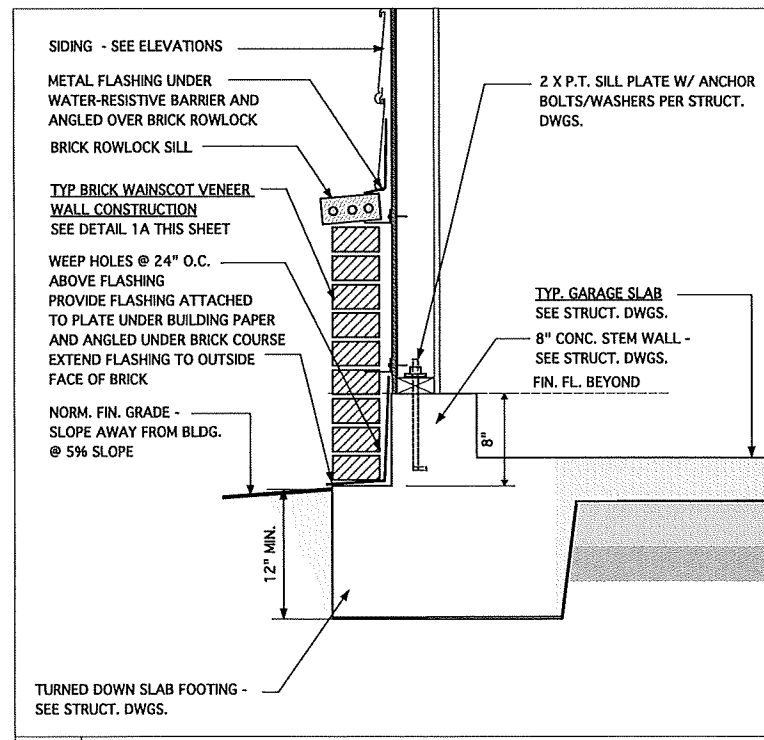
3B ROOF FLASHING AGAINST SIDE WALL DETAIL
N.T.S.



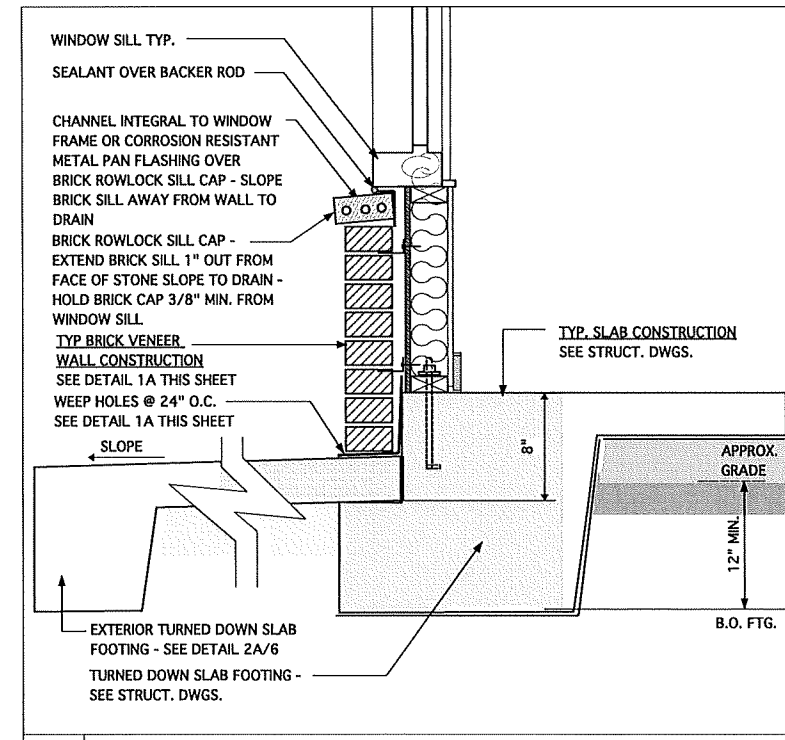
2B KICK-OUT FLASHING DETAIL AT ROOF FASCIA/WALL INTERSECTION
N.T.S.



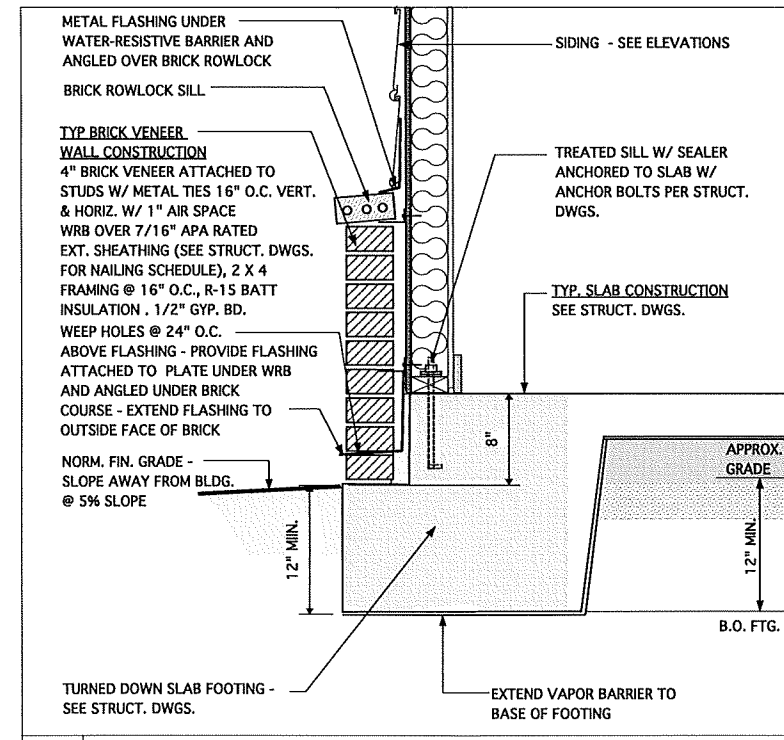
1B ROOF FLASHING AGAINST FRONT WALL DETAIL
N.T.S.



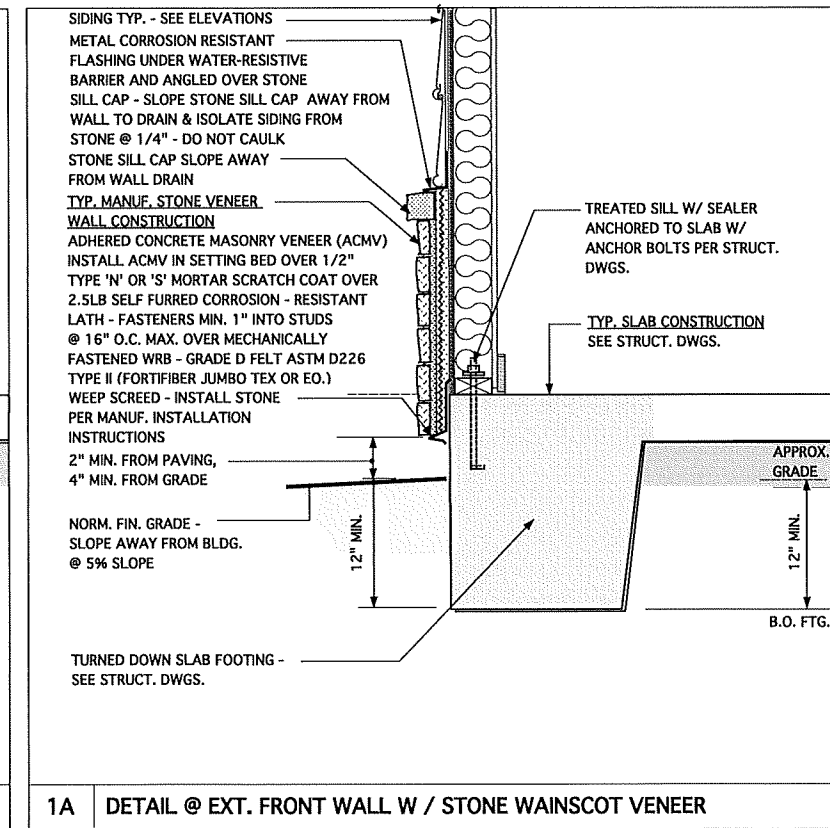
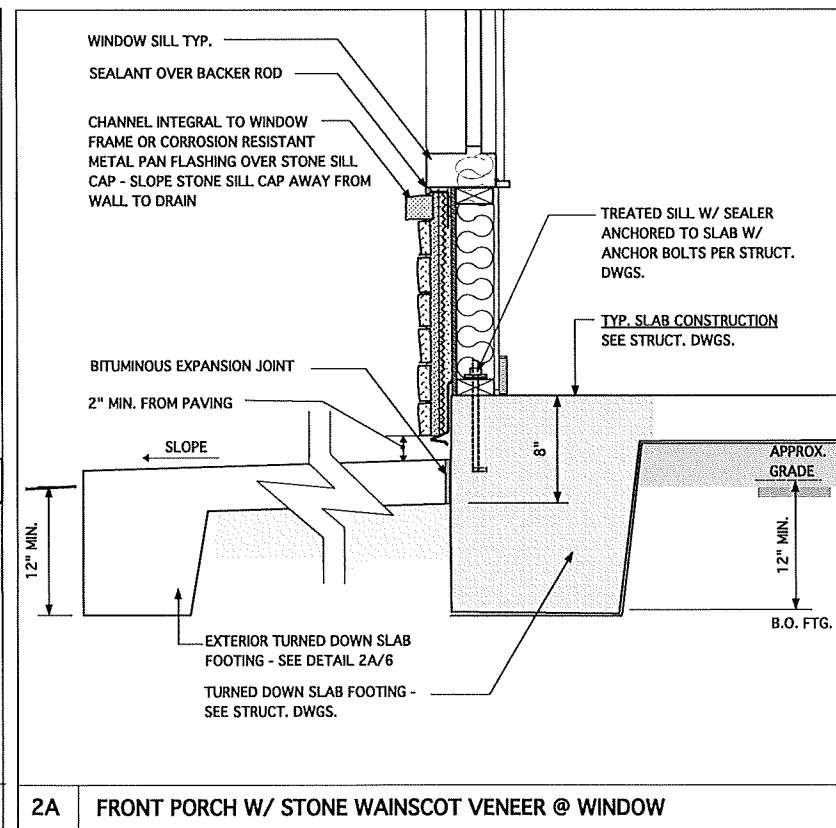
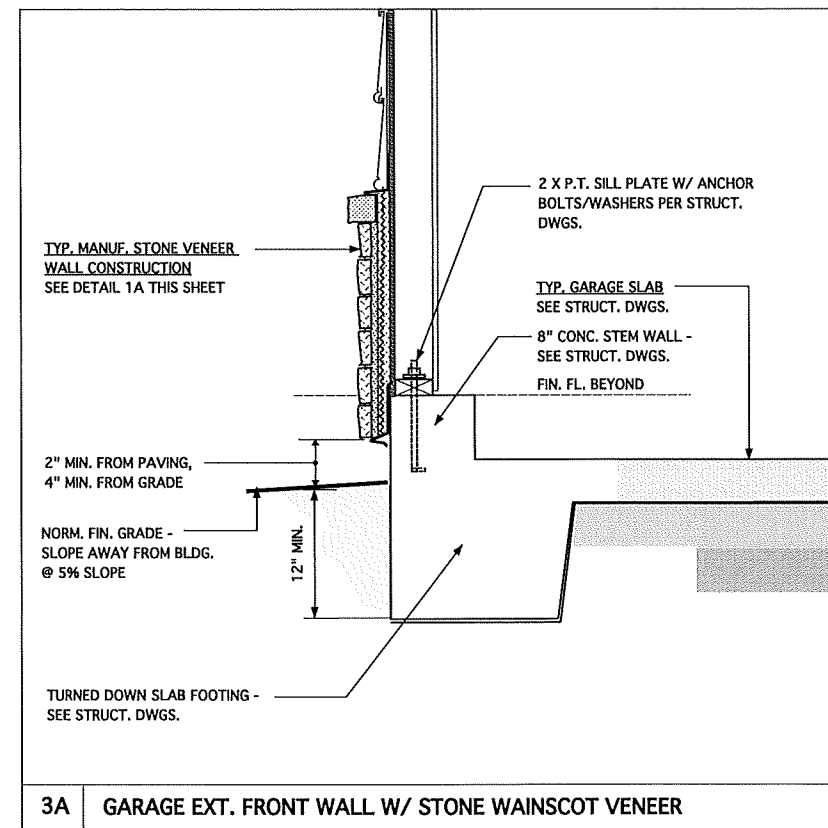
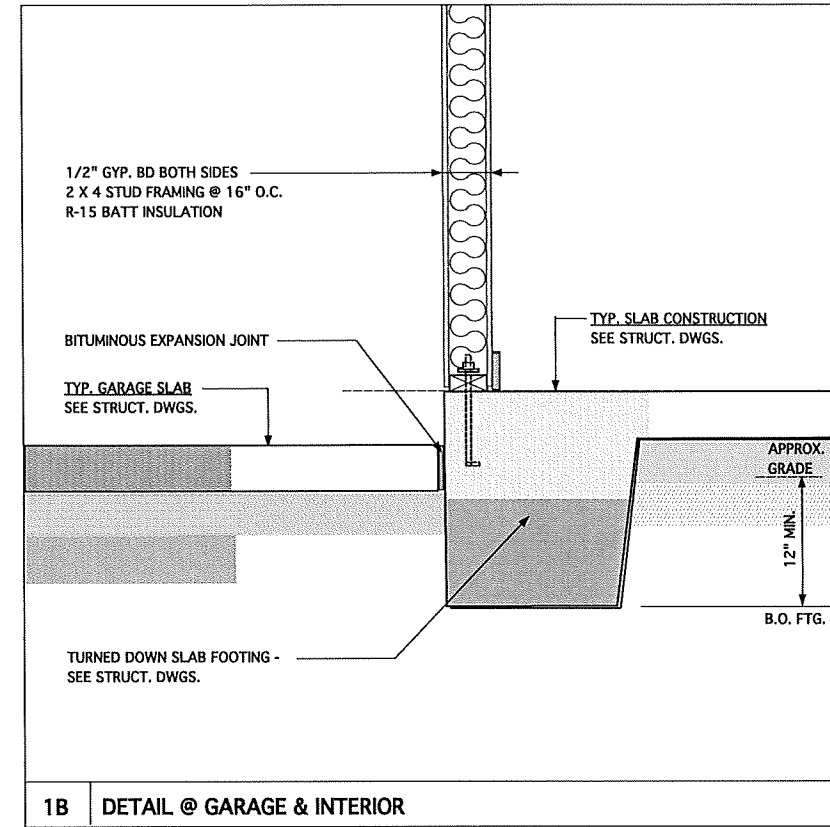
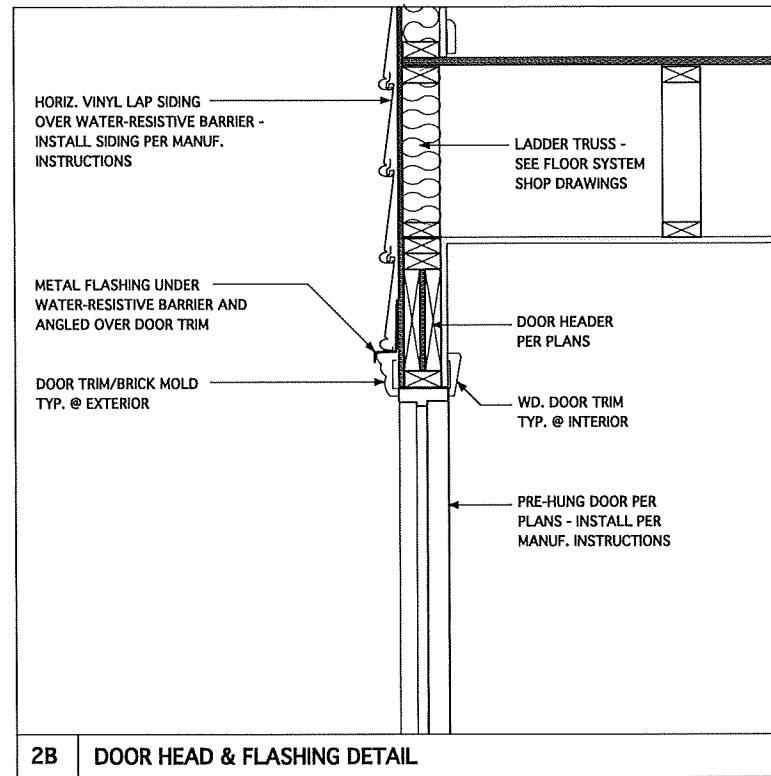
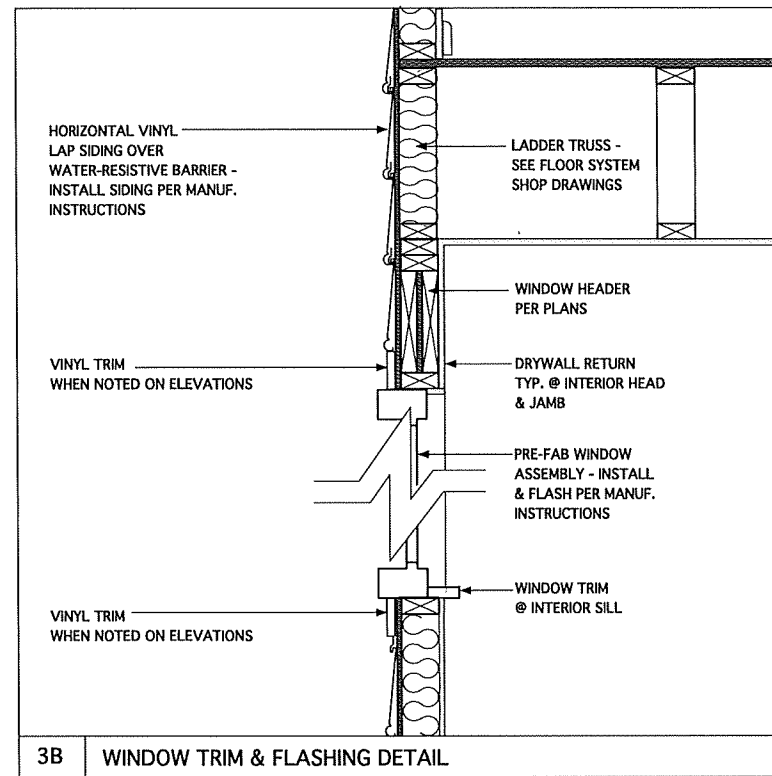
3A EXT. GARAGE FRONT WALL W/ BRICK WAINSCOT VENEER



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



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



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GRAPHICS

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REVISIONS	DATE	DESCRIPTION
DN	12-03-19	MINOR UPDATES
CH	03-30-20	MINOR UPDATES
AM	04-26-21	RE-STAMP SHEETS
AM	02-16-22	RE-STAMP SHEETS
DN	03-02-23	CONVERT HIGHWAY/ADD THIRD-CAR GAR. OPTION

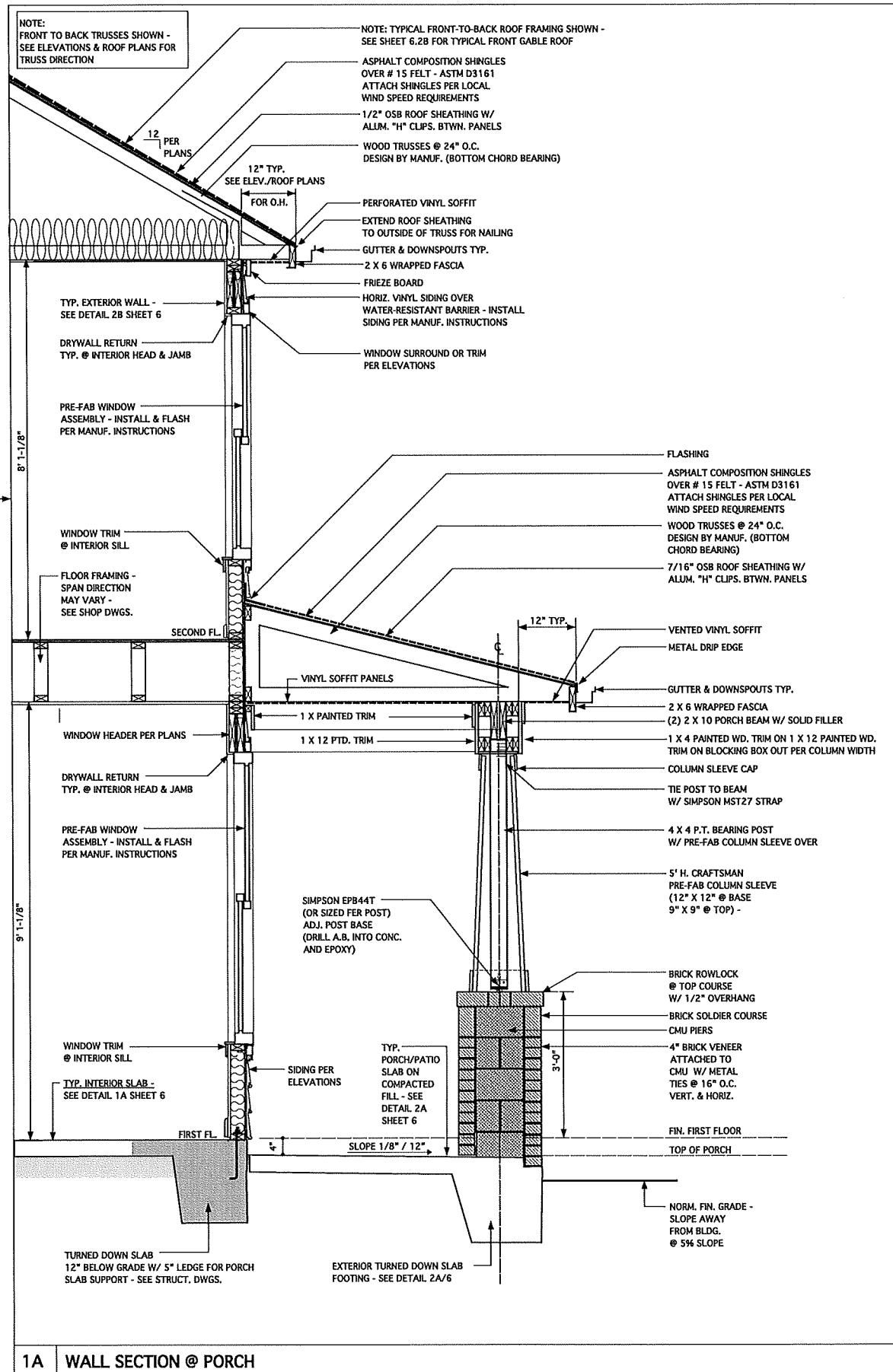
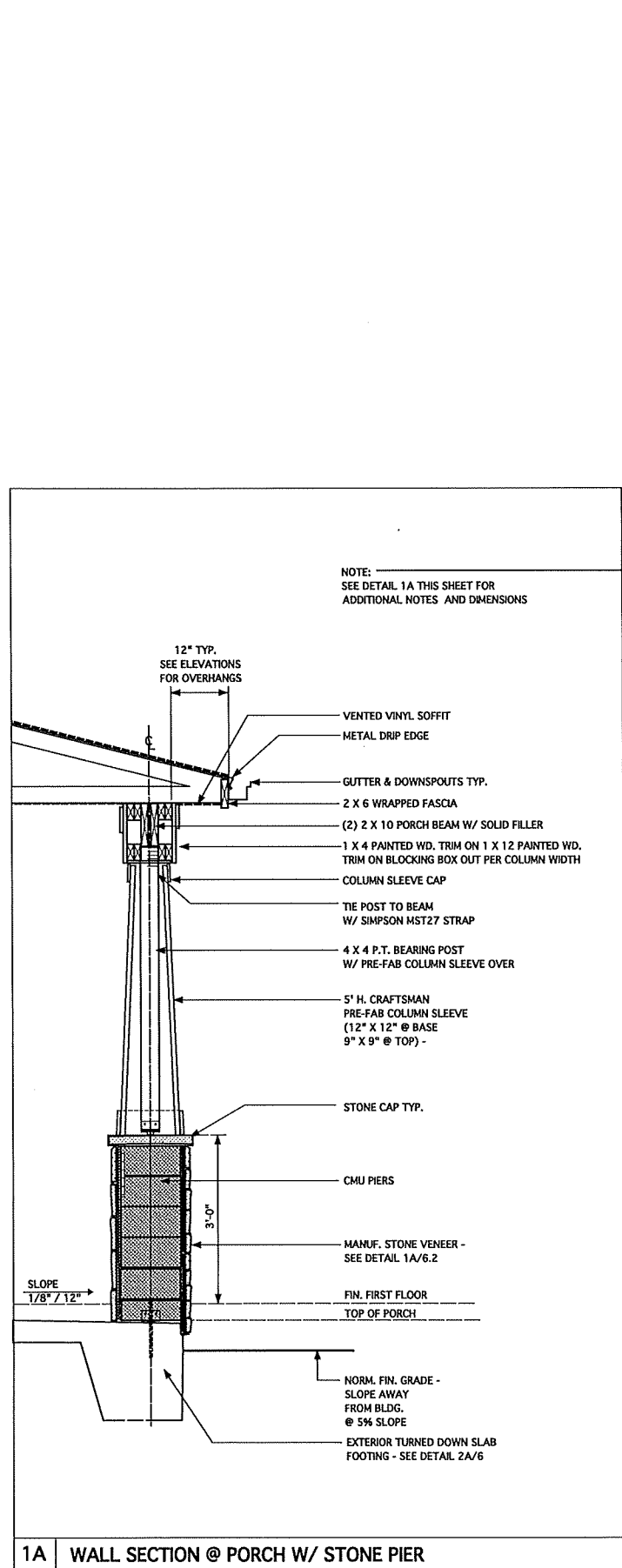
PROJECT NO. 113-88
DATE 07-12-19
SCALE 1-1/2" = 1'-0"
DRAWN BY CH
CHECKED BY JW
ISSUED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 1944 - GARAGE RIGHT

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DRAWING TITLE
MONOLITHIC SLAB FOUNDATION AND WALL DETAILS

SHEET
6.2



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DATE	DESCRIPTION
12-03-19	MINOR UPDATES
03-30-20	MINOR UPDATES
04-26-21	RESTAMP SHEETS
02-16-22	RESTAMP SHEETS
03-02-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION

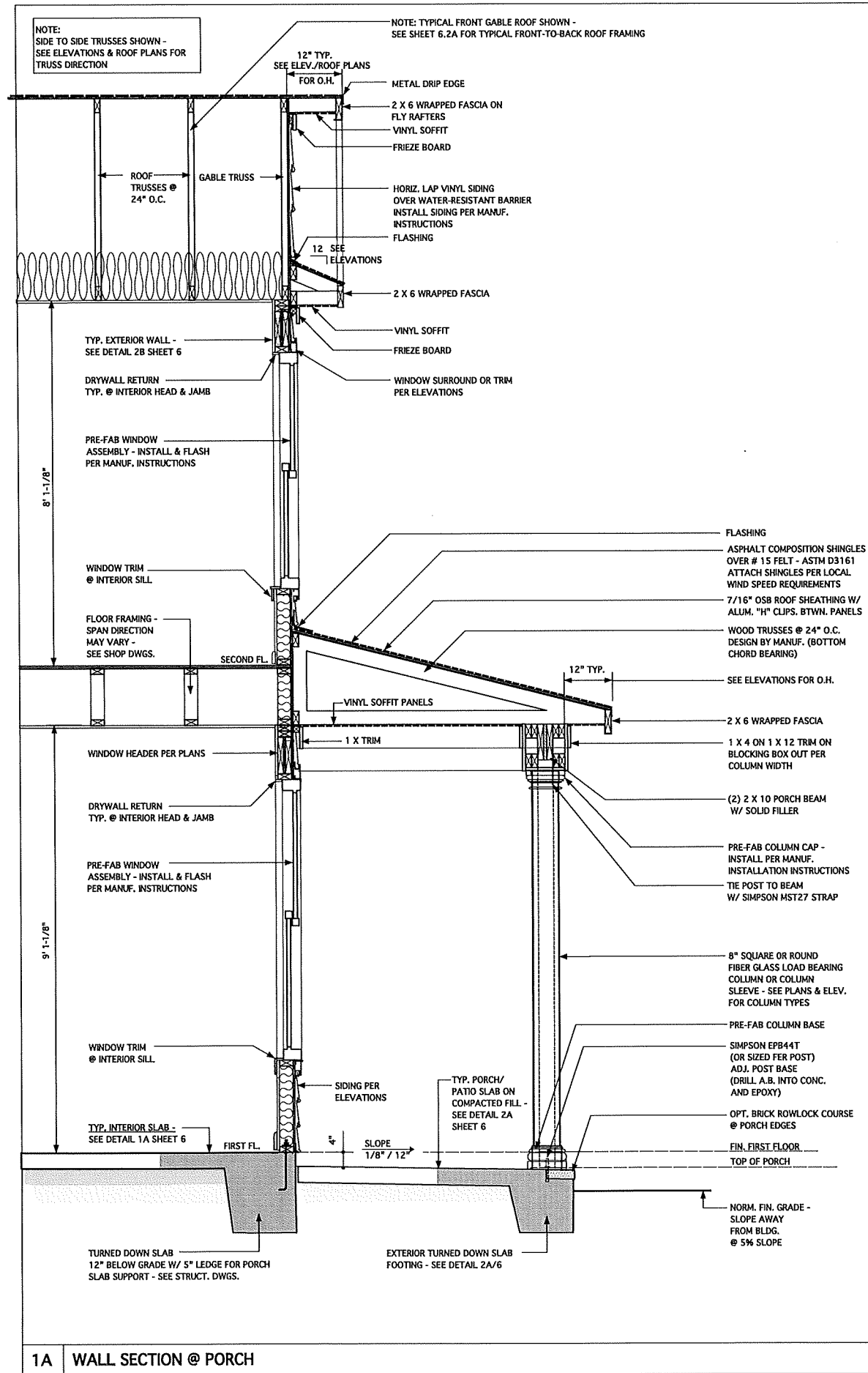
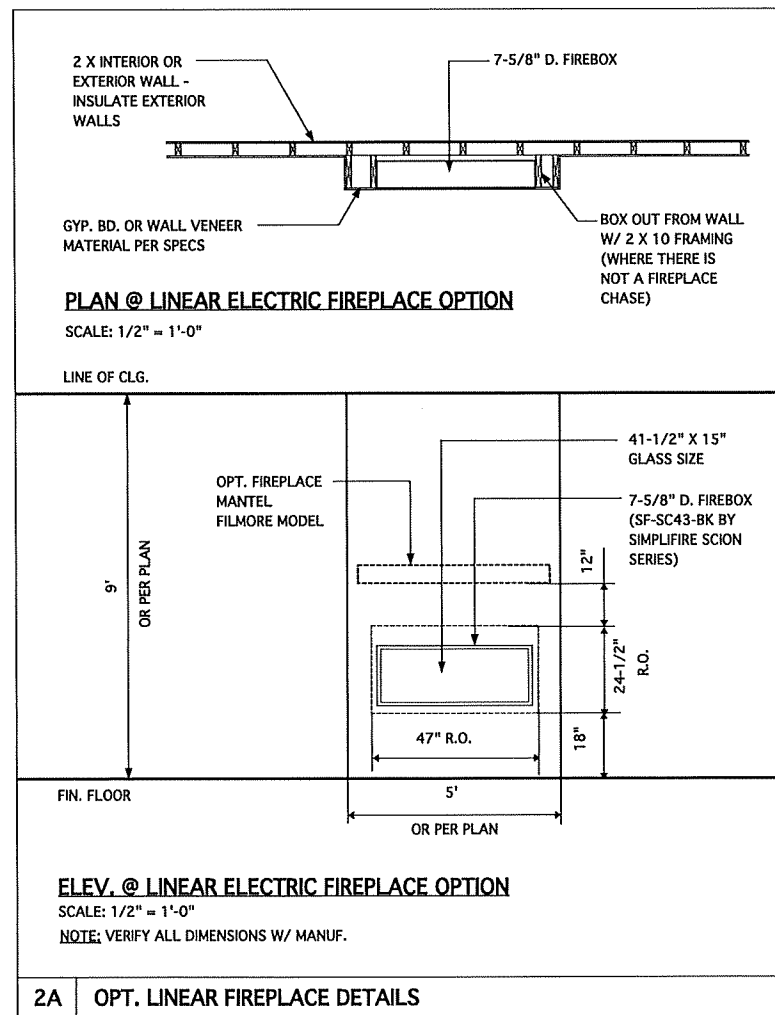
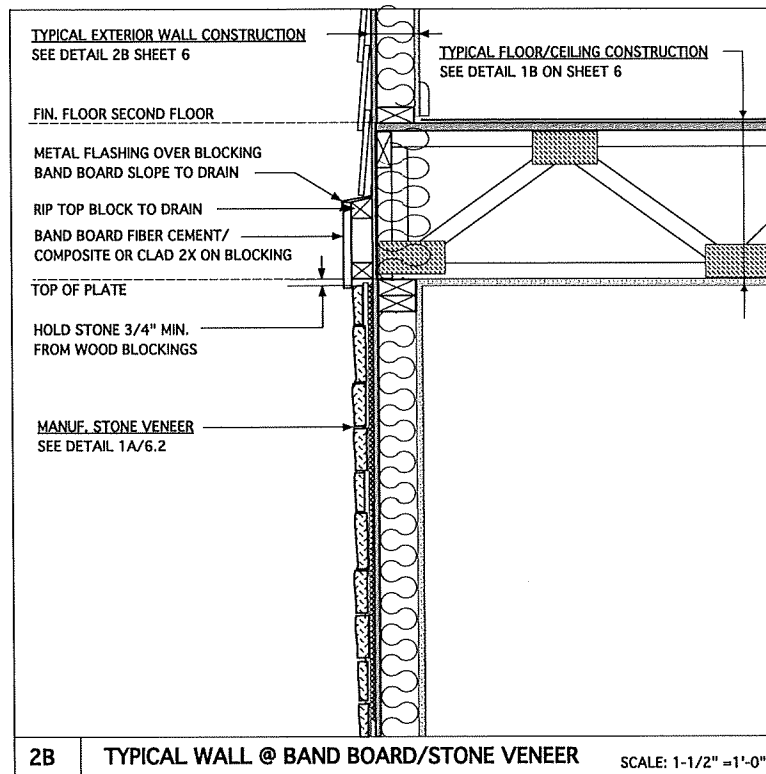
PROJECT NO.	113-88
DATE	07-12-19
SCALE	3/4" = 1'-0"
DRAWN BY	CH
CHECKED BY	JW
USED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
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DRAWING TITLE
ELEVATION A - DETAILS

SHEET
6.2A



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3642
JAMES WALTER WENTLING
REGISTERED ARCHITECT
NORTH CAROLINA
RALEIGH, N.C.
4/4/23

NO.	DATE	DESCRIPTION
DN	12-03-19	MINOR UPDATES
CH	03-30-20	MINOR UPDATES
AM	04-26-21	RESTAMP SHEETS
AM	02-16-22	RESTAMP SHEETS
DN	03-02-23	CONVERT HIGHWAY/ADD THIRD-CAR GAR. OPTION

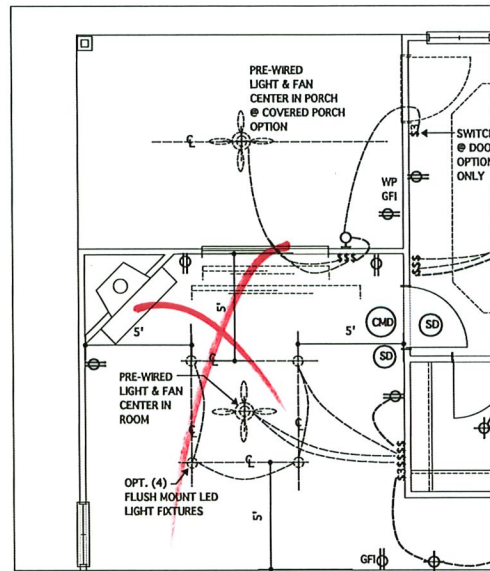
PROJECT NO. 113-88
DATE 07-12-19
SCALE 3/4" = 1'-0" U.N.D.
DRAWN BY CFI
CHECKED BY JW
USED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
**MODEL 1944 -
GARAGE RIGHT**

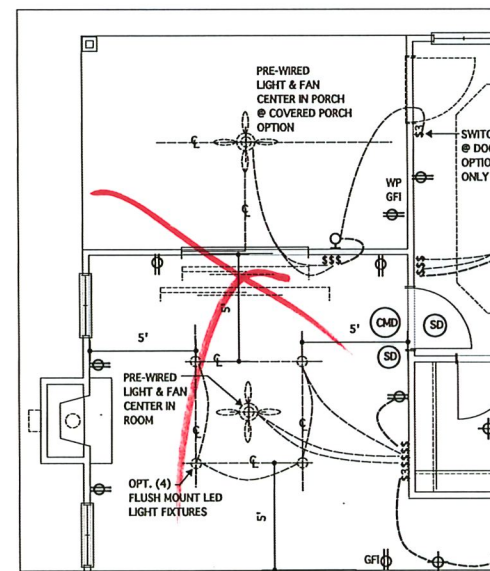
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**CHESAPEAKE
HOMES OF NC**
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Raleigh, NC 27604
(919) 256-3060
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DRAWING TITLE
**ELEVATION B/C -
DETAILS**

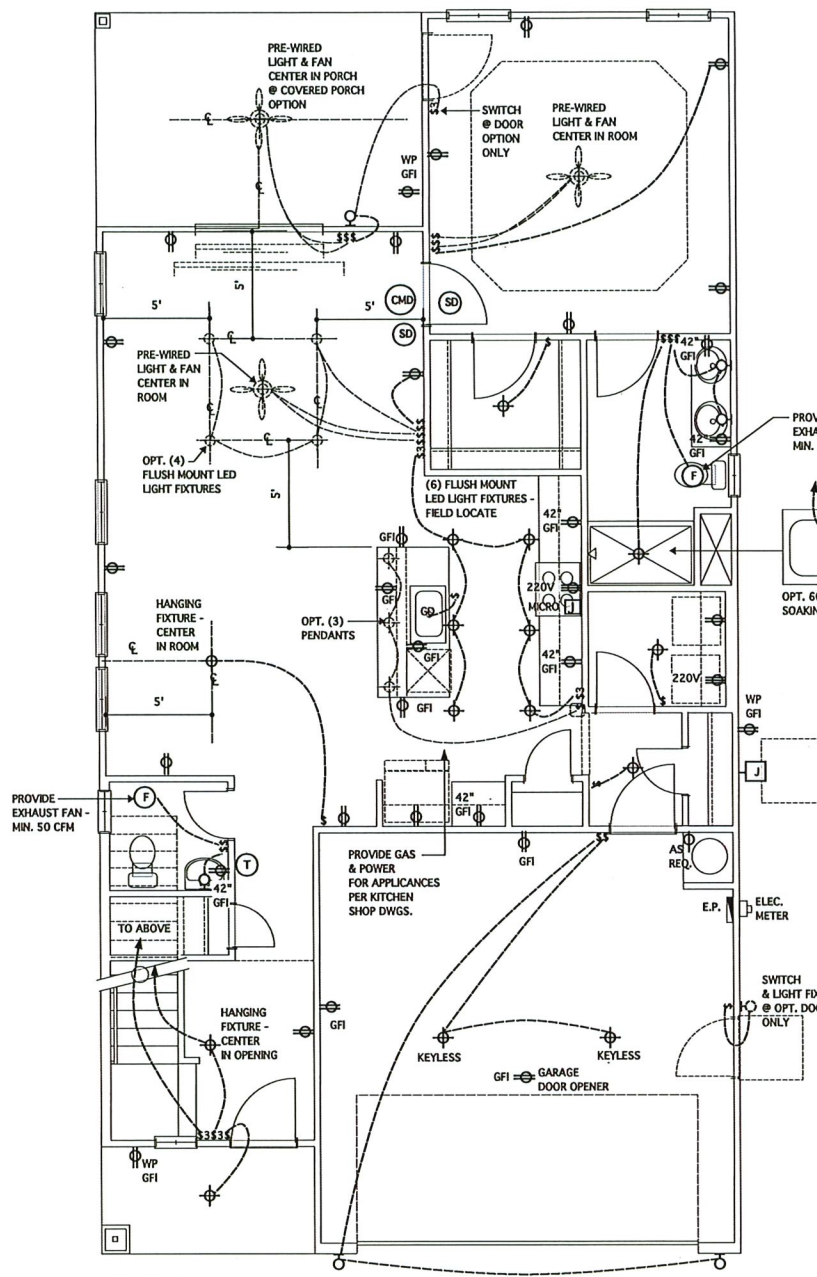
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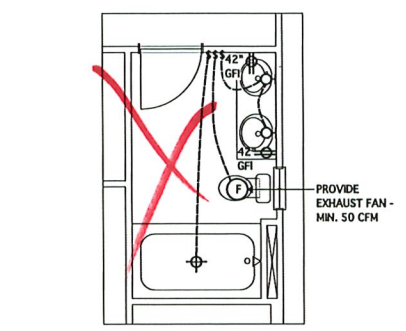
OPT. CORNER FIREPLACE
SCALE 1/4" = 1'-0"



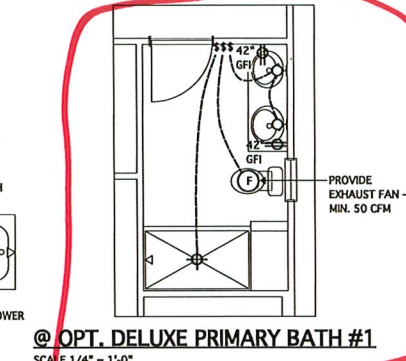
ALT. FIREPLACE LOCATION
SCALE 1/4" = 1'-0"



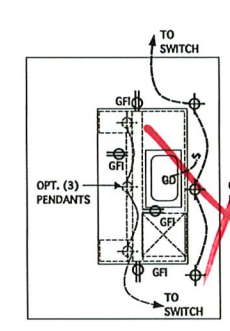
FIRST FLOOR PLAN
SCALE 1/4" = 1'-0"



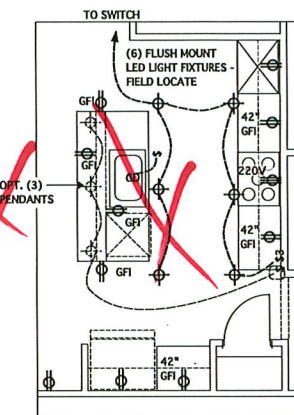
@ OPT. DELUXE PRIMARY BATH #2
SCALE 1/4" = 1'-0"



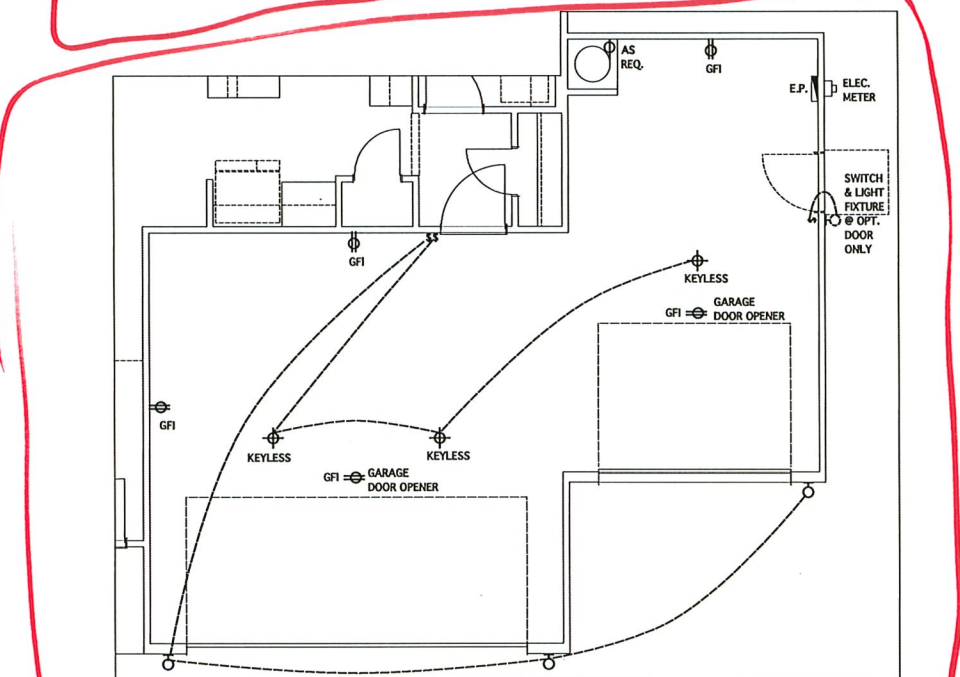
@ OPT. DELUXE PRIMARY BATH #1
SCALE 1/4" = 1'-0"



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



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



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

○	SINGLE RECEPTACLE OUTLET	☐	48 CIRCUIT BREAK PANEL W/ 200 AMP. EL. SERVICE LINE	⊙	WALL MOUNTED LIGHT FIXTURE
⊕	DUPLEX RECEPTACLE OUTLET	⊠	JUNCTION BOX W/ SHUT-OFF SWITCH	⊕	PREWIRE CEILING FAN
GFI ⊕	DUPLEX RECEPTACLE OUTLET -GROUND FAULT INTERRUPTER	⊙	THERMOSTAT	⊕	EXHAUST FAN - 50 CFM.
⊕	DUPLEX RECEPTACLE OUTLET-SPLIT WIRED	⊠	FLUORESCENT LIGHT FIXTURE; MULTI-TUBE	⊕	CEILING LIGHT/FAN COMBO
⊕	220V OUTLET	⊠	FLUORESCENT LIGHT FIXTURE; SINGLE-TUBE	⊕	SMOKE DETECTOR - HARDWIRED & INTERCONNECTED
WP GFI ⊕	WEATHER-PROTECTED EXTERIOR OUTLET WITH IN-USE COVER & GFI PROTECTED	⊕	CEILING MOUNTED LIGHT FIXTURE	⊕	CARBON MONOXIDE DETECTOR HARDWIRED/PLUG-IN/ BATTERY TYPE OR HOUSEHOLD CARBON MONOXIDE DETECTOR SYSTEM
\$	SWITCH	⊕	FLUSH MOUNT LED LIGHT FIXTURE		
\$3	THREE WAY SWITCH				

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 LAND TITLE BUILDING
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JAMES WALTER WENTLING
 REGISTERED ARCHITECT
 #642
 NORTH CAROLINA
 RALEIGH, N. C.
 4/1/23

REVISIONS		
DATE	DESCRIPTION	BY
05-20-20	UPTURNED BEAM - GARAGE	DN
08-11-20	POWDER RM. REV.	DN
04-26-21	SHOWER NOTE	AM
02-16-22	POWDER RM. REV.	AM
03-02-23	CONVERT HIGHWAY/LEAD THIRD-CAR GAR. OPTION	DN
03-28-23	8'-0" 3RD-CAR GARAGE JOG	DN
04-04-23	MINOR UPDATE	DN

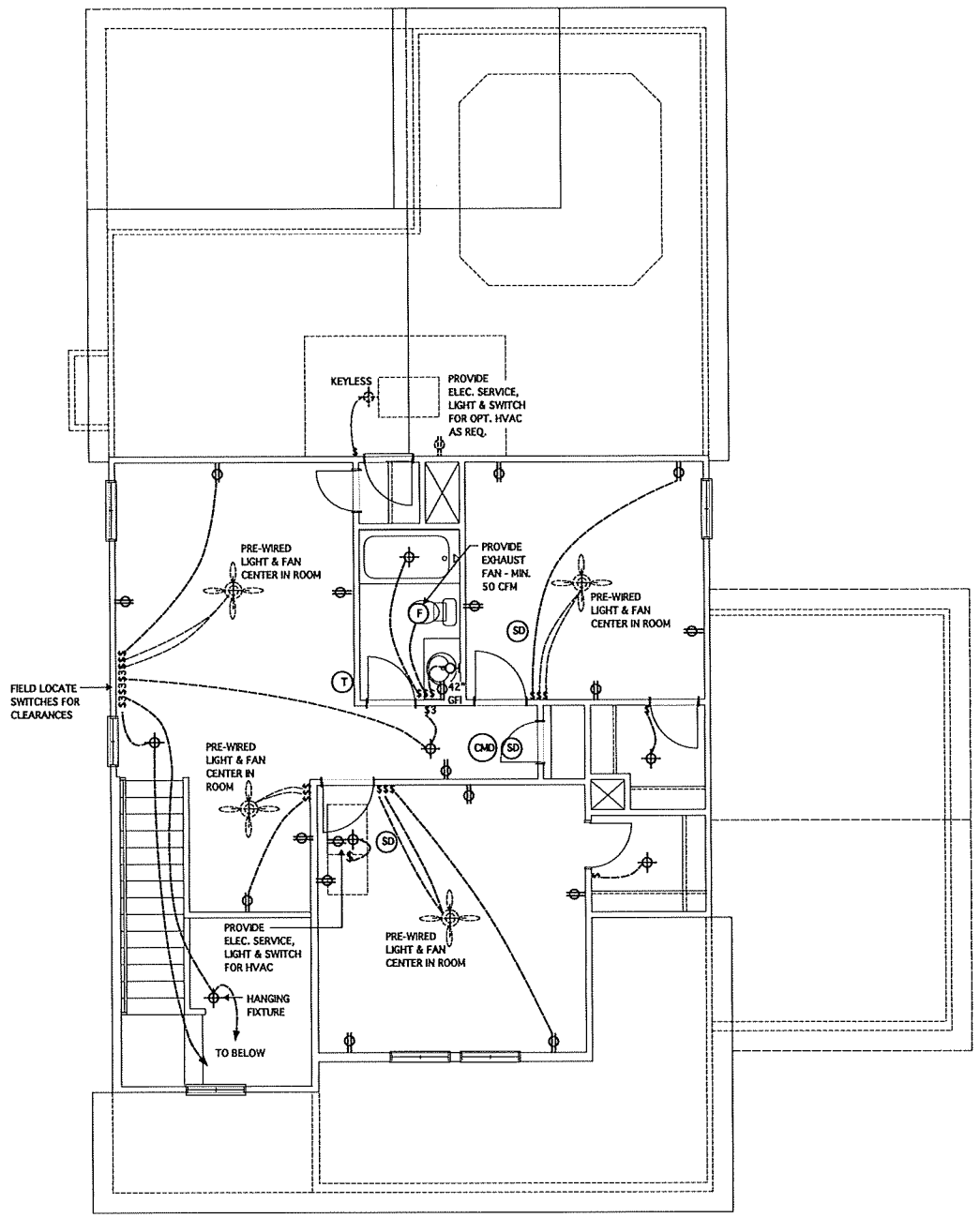
PROJECT NO.	113-88
DATE	07-12-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 1944 - GARAGE RIGHT

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

DRAWING TITLE
FIRST FLOOR ELECTRICAL PLANS

SHEET
7



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

⊖	SINGLE RECEPTACLE OUTLET	⊖	48 CIRCUIT BREAK PANEL W/ 200 AMP. EL. SERVICE LINE	⊖	WALL MOUNTED LIGHT FIXTURE
⊖	DUPLEX RECEPTACLE OUTLET	⊖	JUNCTION BOX W/ SHUT-OFF SWITCH	⊖	PREWIRE CEILING FAN
GFI ⊖	DUPLEX RECEPTACLE OUTLET -GROUND FAULT INTERRUPTER	⊖	THERMOSTAT	⊖	EXHAUST FAN - 50 CFM.
⊖	DUPLEX RECEPTACLE OUTLET-SPLIT WIRED	⊖	FLUORESCENT LIGHT FIXTURE; MULTI-TUBE	⊖	CEILING LIGHT/FAN COMBO
⊖	220V OUTLET	⊖	FLUORESCENT LIGHT FIXTURE; SINGLE-TUBE	⊖	SMOKE DETECTOR - HARDWIRED & INTERCONNECTED
WP GFI ⊖	WEATHER-PROTECTED EXTERIOR OUTLET WITH IN-USE COVER & GFI PROTECTED	⊖	CEILING MOUNTED LIGHT FIXTURE	⊖	CARBON MONOXIDE DETECTOR HARDWIRED/PLUG-IN/ BATTERY TYPE OR HOUSEHOLD CARBON MONOXIDE DETECTOR SYSTEM
\$	SWITCH	⊖	FLUSH MOUNT LED LIGHT FIXTURE		
\$3	THREE WAY SWITCH				

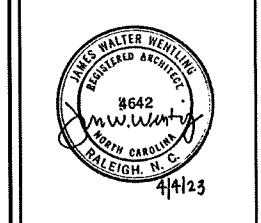
**JAMES WENTLING/
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REVISIONS

MAX	DATE	DESCRIPTION
CH	04-29-20	OPTIONS
DN	05-20-20	UPTURNED BEAM - GARAGE
AM	04-26-21	RESTAMP SHEETS
AM	02-16-22	ENGINEER LICENSE REV.
DN	03-02-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-28-23	8'0" 3RD-CAR GARAGE JOG
DN	04-04-23	MINOR UPDATE

PROJECT NO. 113-88

DATE 07-12-19

SCALE AS NOTED

DRAWN BY DN

CHECKED BY JW

ISSUED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 1944 - GARAGE RIGHT

CLIENT
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DRAWING TITLE
SECOND FLOOR ELECTRICAL PLAN

SHEET
7.1

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STRUCTURAL NOTES

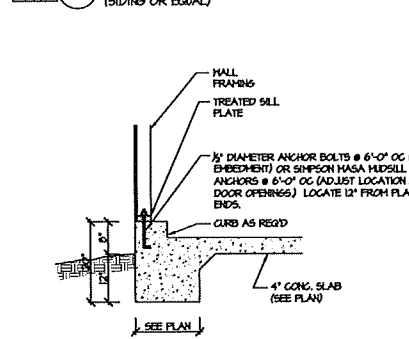
NC (2018 NCRAC), Wind: 115-120 mph

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PER 1 BRIDGE SYSTEM FOOTINGS, AND PLANS SYSTEMS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING 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 METHODS, METHODS, TECHNIQUES, SEQUENCES OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR REVIEW SERVICES ARE NOT PART OF OUR CONTRACT. ALL MEMBERS 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)
 - ROOFS OTHER THAN SLEEPING ROOFS: (40 PSF, 10 PSF, 1,360C)
 - SLEEPING ROOFS: (20 PSF, 10 PSF, 1,260C)
 - ATTIC WITH PERMANENT STAIR: (40 PSF, 10 PSF, 1,360C)
 - ATTIC WITHOUT PERMANENT STAIR: (20 PSF, 10 PSF, 1,360C)
 - ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, 1,240C)
 - STAIRS: (40 PSF, 10 PSF, 1,360C)
 - EXTERIOR BALCONIES: (60 PSF, 10 PSF, 1,360C)
 - DECKS: (40 PSF, 10 PSF, 1,360C)
 - CHANDLERS AND HANGARS: (200 LBS)
 - PASSENGER VEHICLE GARAGES: (50 PSF, 10 PSF, 1,360C)
 - FIRE ESCAPES: (40 PSF, 10 PSF, 1,360C)
 - SHOW: (20 PSF)
- HALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STOREYS WITH HOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND HALLS REQUIREMENTS.
- SEE APPENDIX H (DOCS) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (RAC). AIR ENTRAINMENT PER TABLE 402.2. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES FOR TESTING SHALL BE TAKEN FROM THE EXIST END OF THE PUMP. CONTROL JOINTS IN SLABS SHALL BE SPACED ON A GRID OF +30 TIES THE DEPTH (D). CONTROL JOINTS SHALL BE SAWN TO A DEPTH OF 1/2 D. 4" CONCRETE SLABS SHALL HAVE 1" DEEP CONTROL JOINTS SAWN IN SLAB ON A +10'-0" x +10'-0" GRID.

HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" HALL) OR (2)2x6 (6" HALL) 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 12" IN TABLE R602.2(5) OR AS BELOW PER NCGO 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 9' SPAN, (3) KING STUDS
 - OVER 9' UP TO 12' SPAN, (4) KING STUDS
 - OVER 12' UP TO 15' SPAN, (5) KING STUDS

MONOLITHIC SLAB FOOTING (SIDING OR EQUAL)



TRUSS SYSTEM REQUIREMENTS

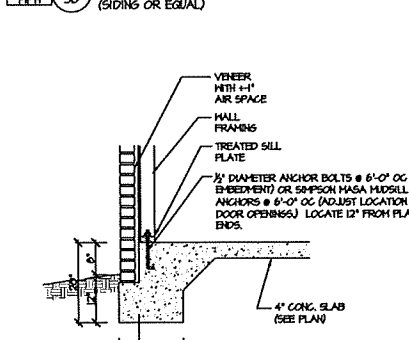
NC (2018 NCRAC), Wind: 115-120 mph

- 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 SFF #2 OR #3 PLATES OR LEDGERS (AND).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

PORCH POST NOTES:

- 4X4 (6x6) TRIP POST (OR EQUAL).
- ATTACH TRUSSES (RAFTERS) AT PORCH WITH TRUSS-CA CONNECTORS.
- POST CAP: SIMPSON ACA-MAX (ACA-MAX) (W/TER HEADERS AT CORNERS). HIGH RISE ADD (1) SIMPSON HQ.
- POST BASE: SIMPSON AB144 (AB144).
- 1-1/2" DIA. 1/2" ANCHOR (EMBED 12").
- 1-1/2" DIA. 1/2" ANCHOR (EXTEND TO FOOTING - HIGH RISE ONLY).
- POST BASE: HOOD FOUNDATION. (2) SIMPSON C56 STRAPS AT POSTS. EXTEND 12" ONTO EACH POST (UPPER AND LOWER) OR TO GRINDER.
- NOTE: EQUIVALENT POST CAP AND BASE ACCEPTABLE.

MONOLITHIC SLAB @ GARAGE (SIDING OR EQUAL)

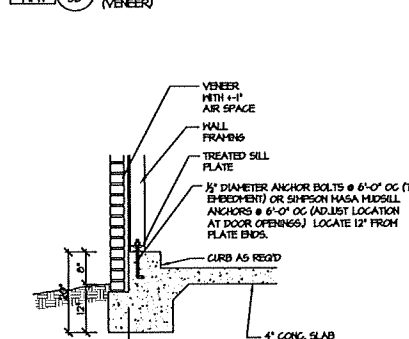


FRAMING NOTES

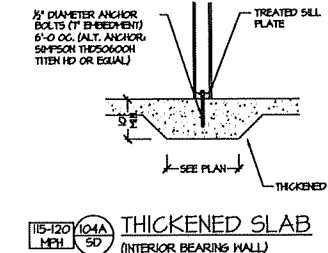
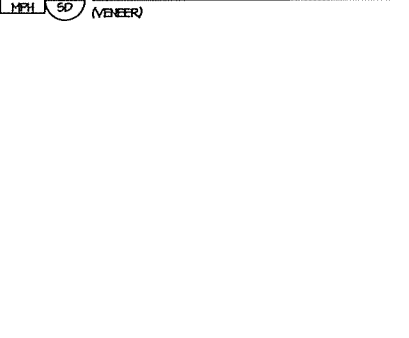
NC (2018 NCRAC), Wind: 115-120 mph

- BRACING METHOD AND TYPE, CONTINUOUSLY SHEATHED HEP, CS-PP, NOTE THAT THE HALL BRACING AMOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF HALL BRACING REQUIRED BY SECTION R602.0 OF THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR HALL BRACING AND HALL FRAMING.
- EXTERIOR HALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STOREYS WITH HOOD STRUCTURAL PANEL SHEATHING (HEP) EXPOSURE B. 3/8" EXPOSURE C. (2)2x4 SHEATHING SHALL BE ATTACHED WITH 6d NAILS AT A 6" X 6" WALKING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.
- HEP SHEATHING SHALL EXTEND TO THE UPPER-MOST DOUBLE BEARING PLATE BLOCK AT ROOF PER SECTION R602.0.5 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.
- 3RD - 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.
- TRANSOM/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON 50 SHEET (OR EQUAL).
- 2ND FLOOR: 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 W/ (1) 6d NAILS.
- INTERIOR BRACED HALL: (NOTED AS "IB" ON PLANS) ATTACH 1/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH 1/4" HEP SHEATHING WITH 6d NAILS AT A 6" X 6" WALKING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH GB OVER HEP AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR 16 SCREWS @ 1" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

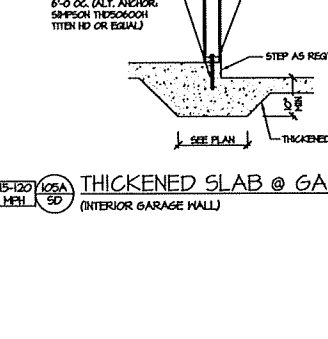
MONOLITHIC SLAB FOOTING (VENEUR)



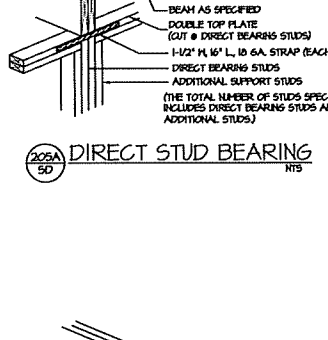
MONOLITHIC SLAB @ GARAGE (VENEUR)



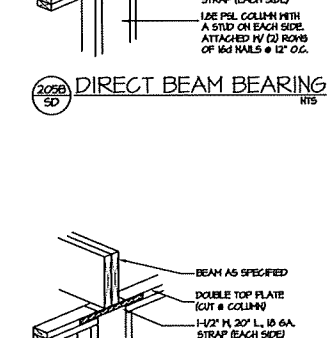
THICKENED SLAB @ GARAGE (INTERIOR GARAGE HALL)



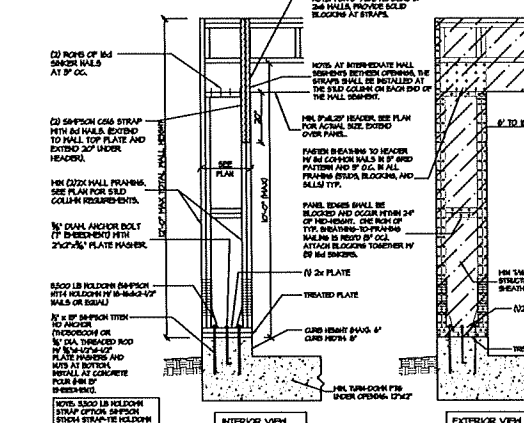
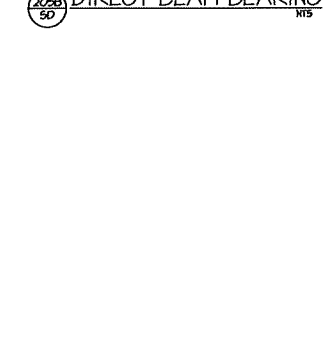
DIRECT STUD BEARING



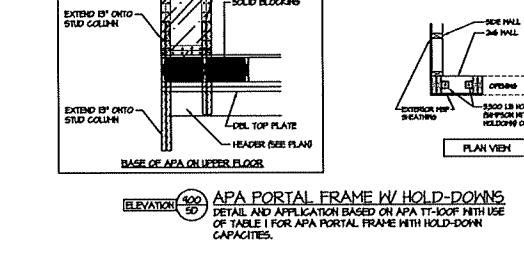
DIRECT BEAM BEARING



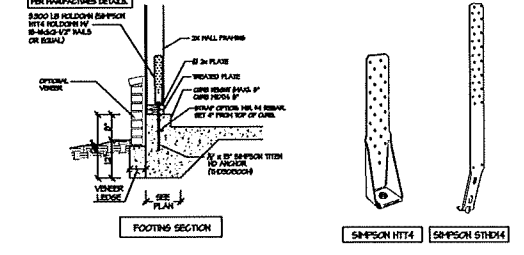
DIRECT BEAM BEARING



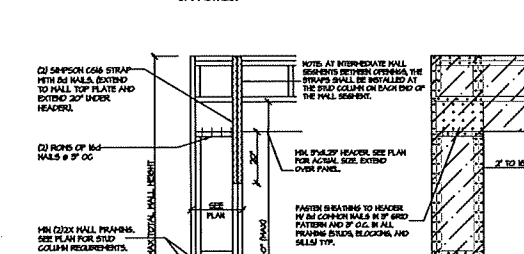
APA PORTAL FRAME W/ HOLD-DOWNS



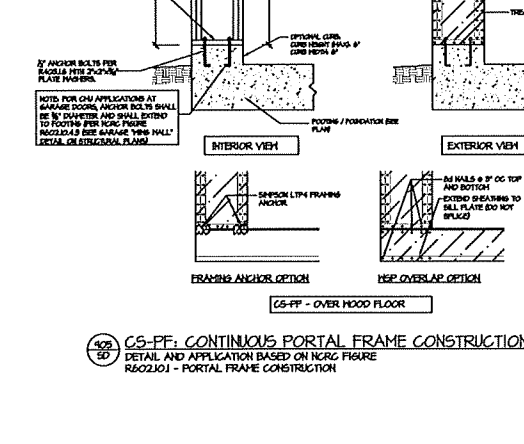
APA PORTAL FRAME W/ HOLD-DOWNS



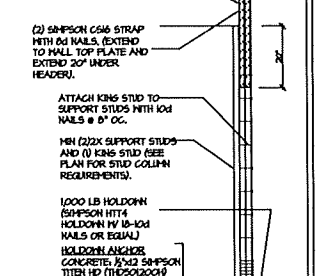
APA PORTAL FRAME W/ HOLD-DOWNS



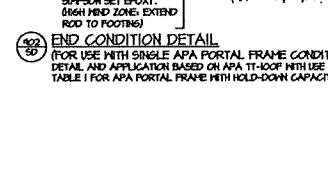
CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION



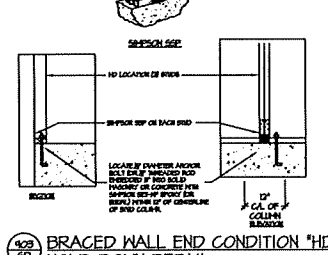
END CONDITION DETAIL



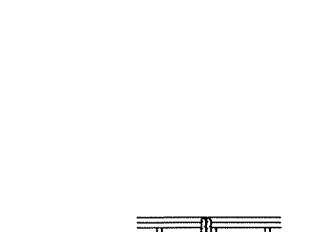
END CONDITION DETAIL



BRACED WALL END CONDITION "HD" HOLD-DOWN DETAIL



CS-PF: END CONDITION DETAIL



PROJECT #

Multiple

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Standard Details and Notes

SD-1 MONO

Chesapeake Homes of NC