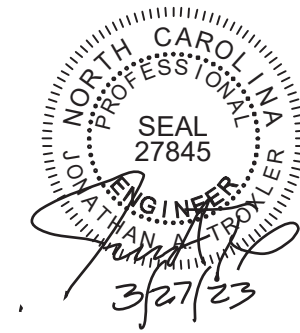
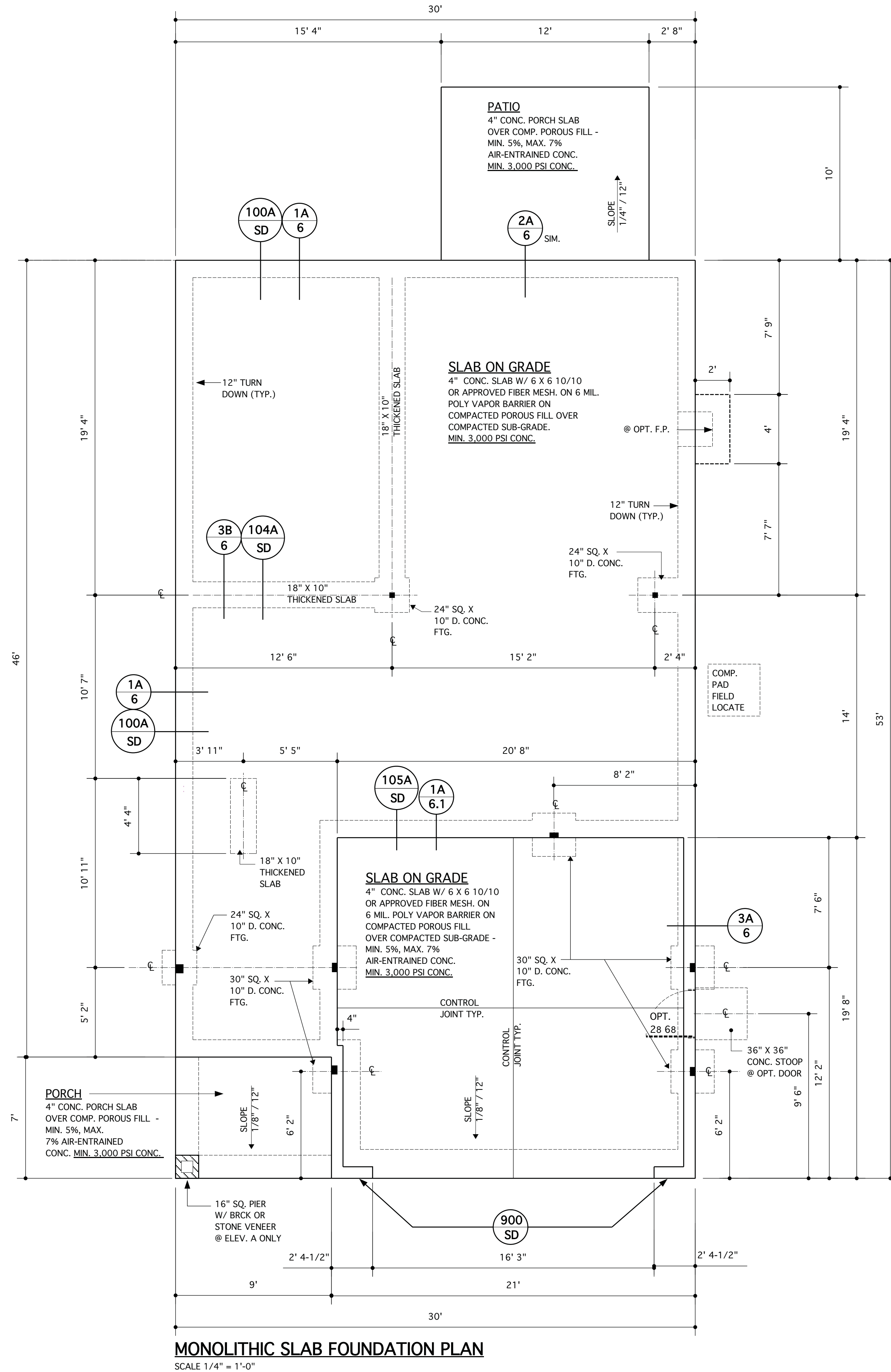


STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
3716 BENSON DR., RALEIGH, NC 27609
LICENSE: C-1287, PHONE: 919-878-1617
PROJECT # 19-1970

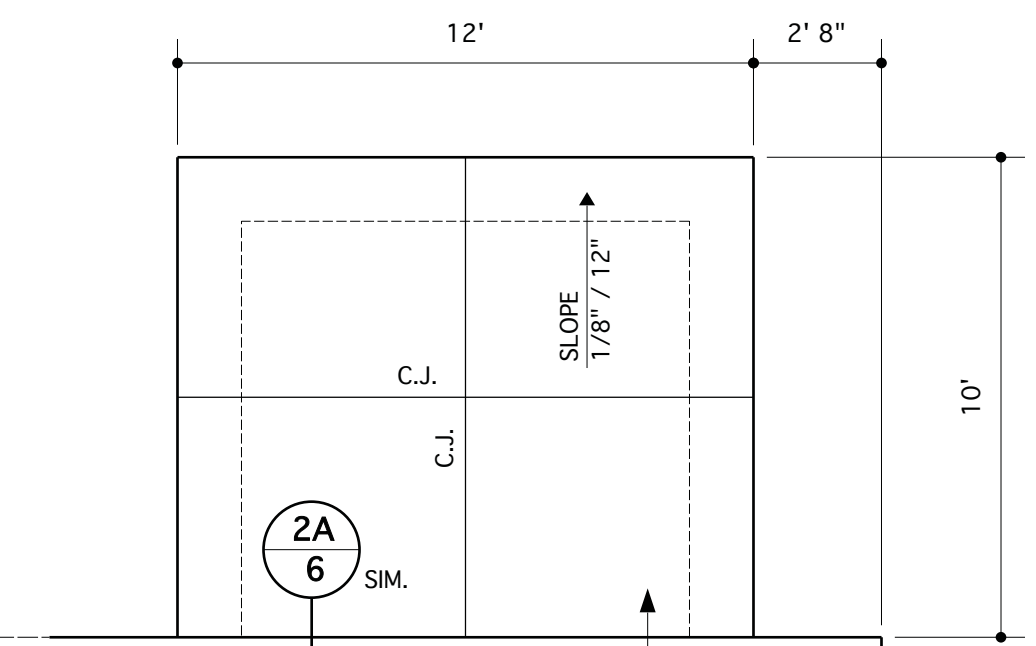


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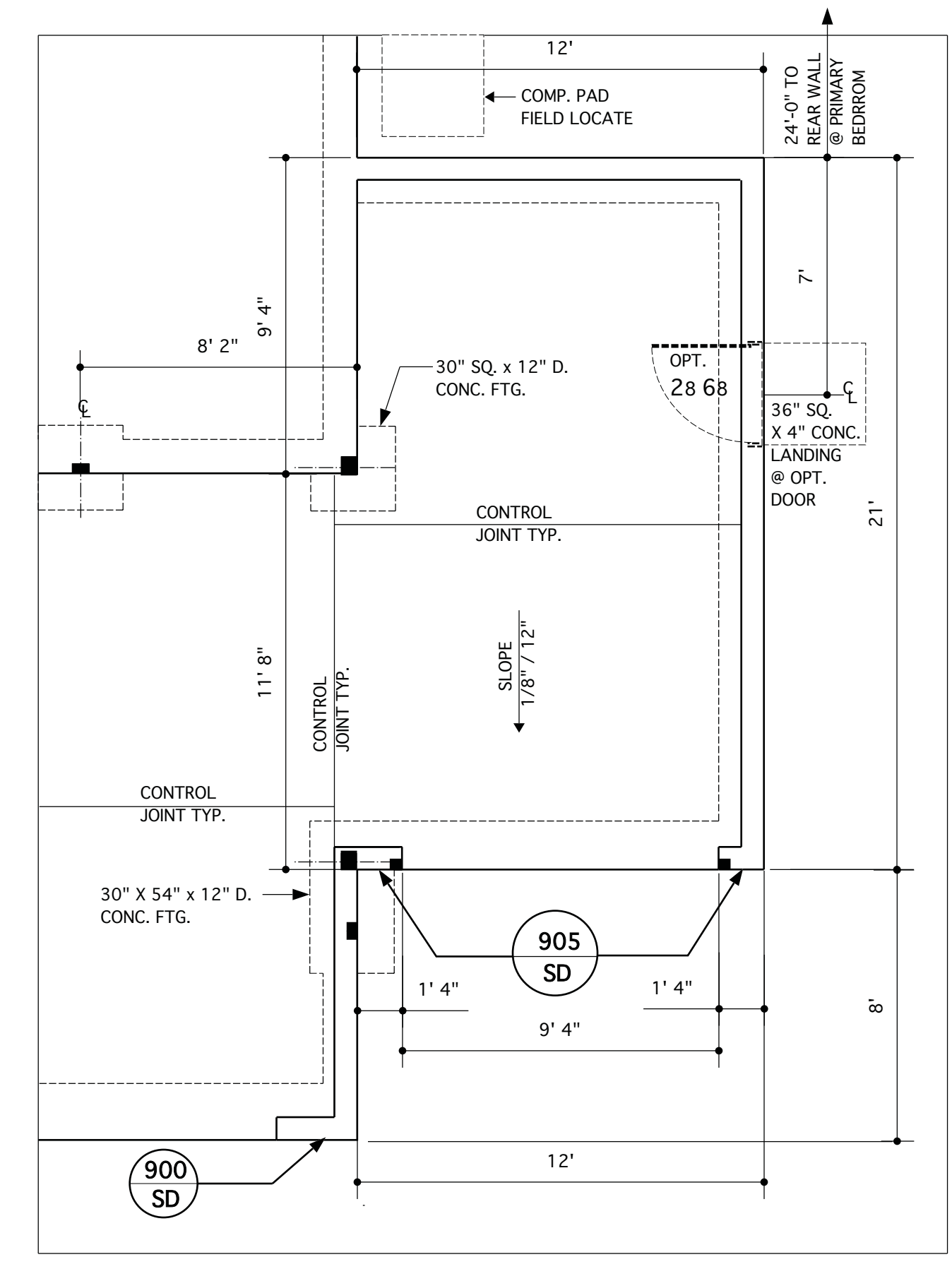
REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.



MONOLITHIC SLAB FOUNDATION PLAN
SCALE 1/4" = 1'-0"



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



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

**JAMES WENTLING/
ARCHITECT**

LAND TITLE BUILDING
100 SOUTH BROAD STREET,
SUITE 1524
PHILADELPHIA, PA 19110

(215) 568-2551
email -information@
wentlinghouseplans.com

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LAND PLANNING
GRAPHICS

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REVISIONS	
MARK	DESCRIPTION
CH	07-17-19 THE JEWEL
DN	08-19-19 STRUCT. DWGS. REV.
CH	03-17-20 CLIENT REVISIONS
AM	05-10-21 RESTAMP SHEET
DN	03-09-23 CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-23-23 STRUCT. DWGS. REV.

PROJECT NO.	113-62
DATE	07-17-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

**MODEL 2343 -
GARAGE RIGHT**

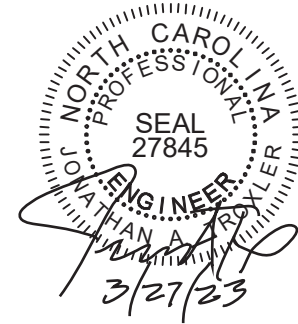
CLIENT
**CHESAPEAKE
HOMES OF NC**
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
**MONOLITHIC SLAB
PLAN**

SHEET
2

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LICENSE: C-1287, PHONE: 919-878-1617
PROJECT # 19-1970



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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

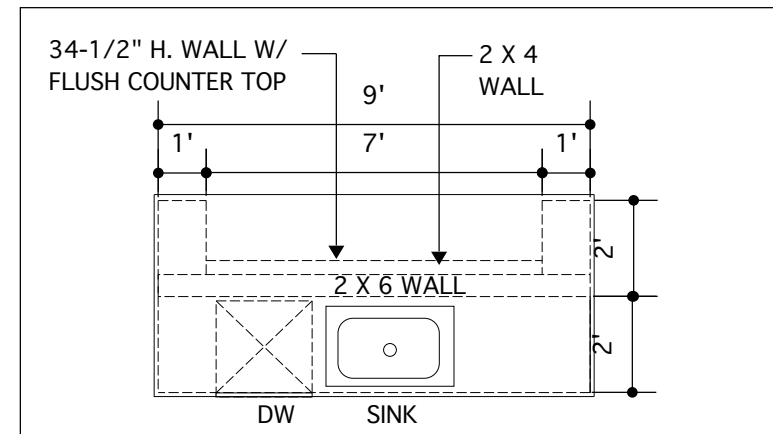
REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.

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

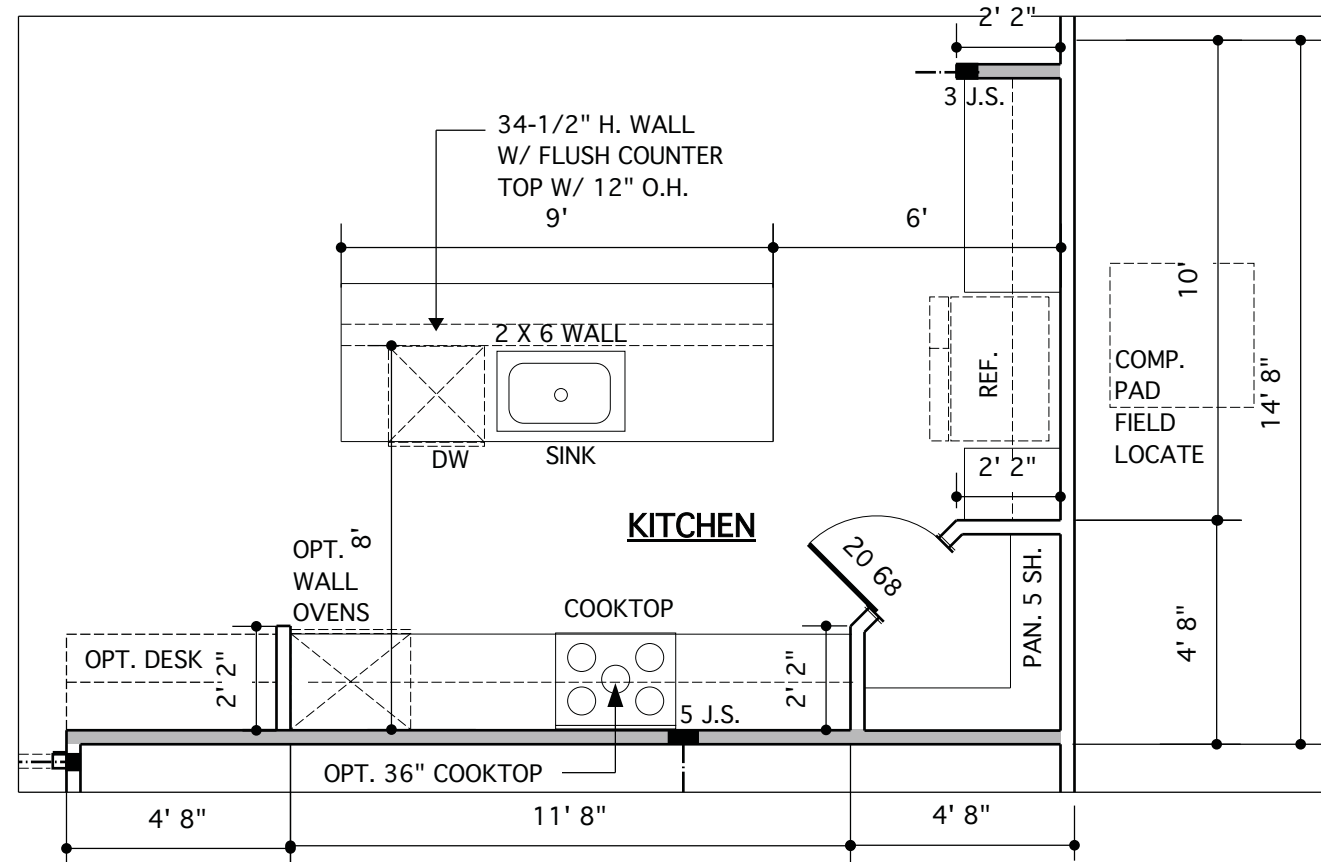
LEGEND

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



@ OPT. GOURMET KITCHEN ISLAND

SCALE 1/4" = 1'-0"



@ OPT. GOURMET KITCHEN

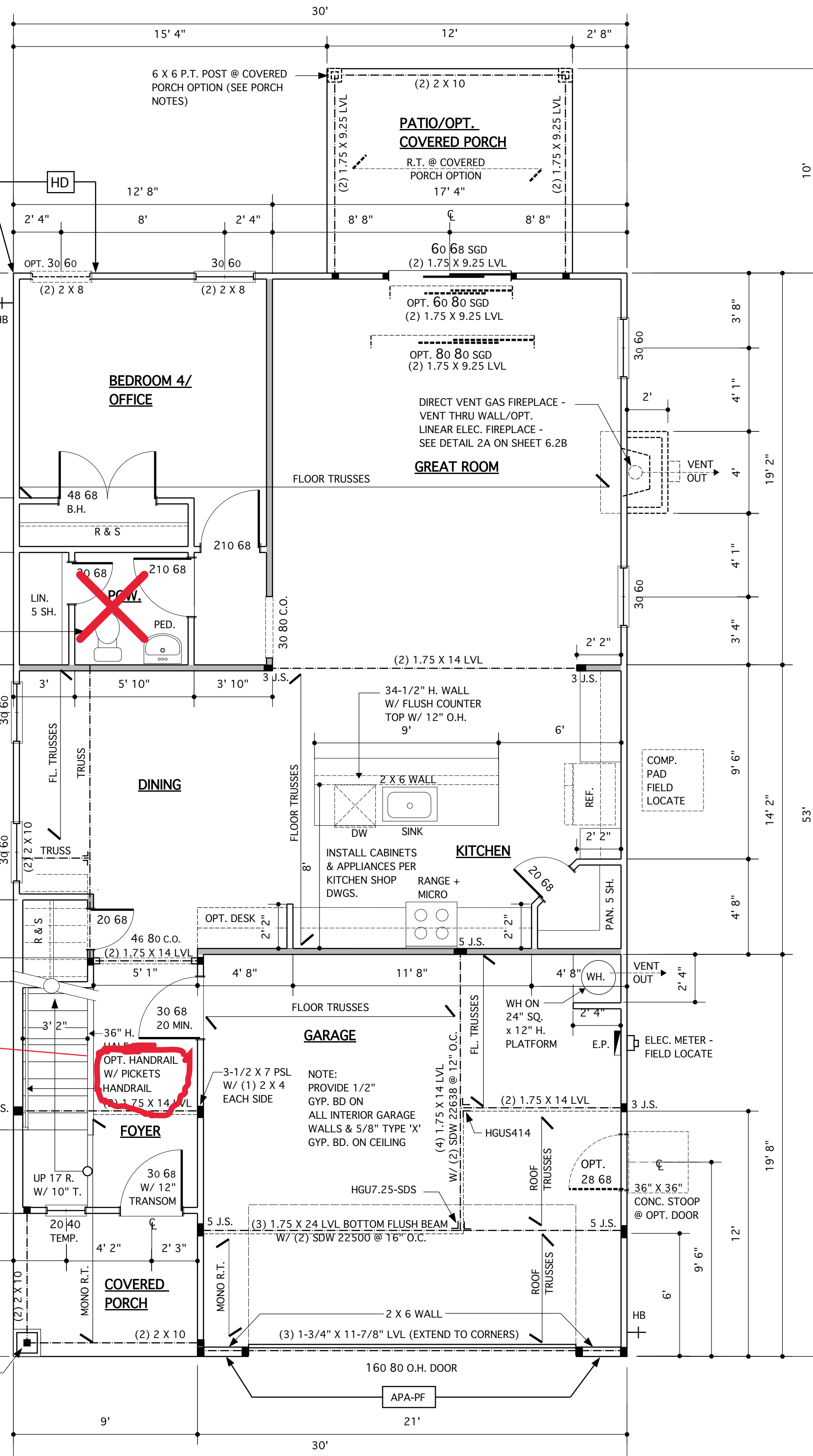
SCALE 1/4" = 1'-0"

OPT. FULL BATH - SEE BREAK-OUT PLAN ON THIS SHEET

Pickets and Rail

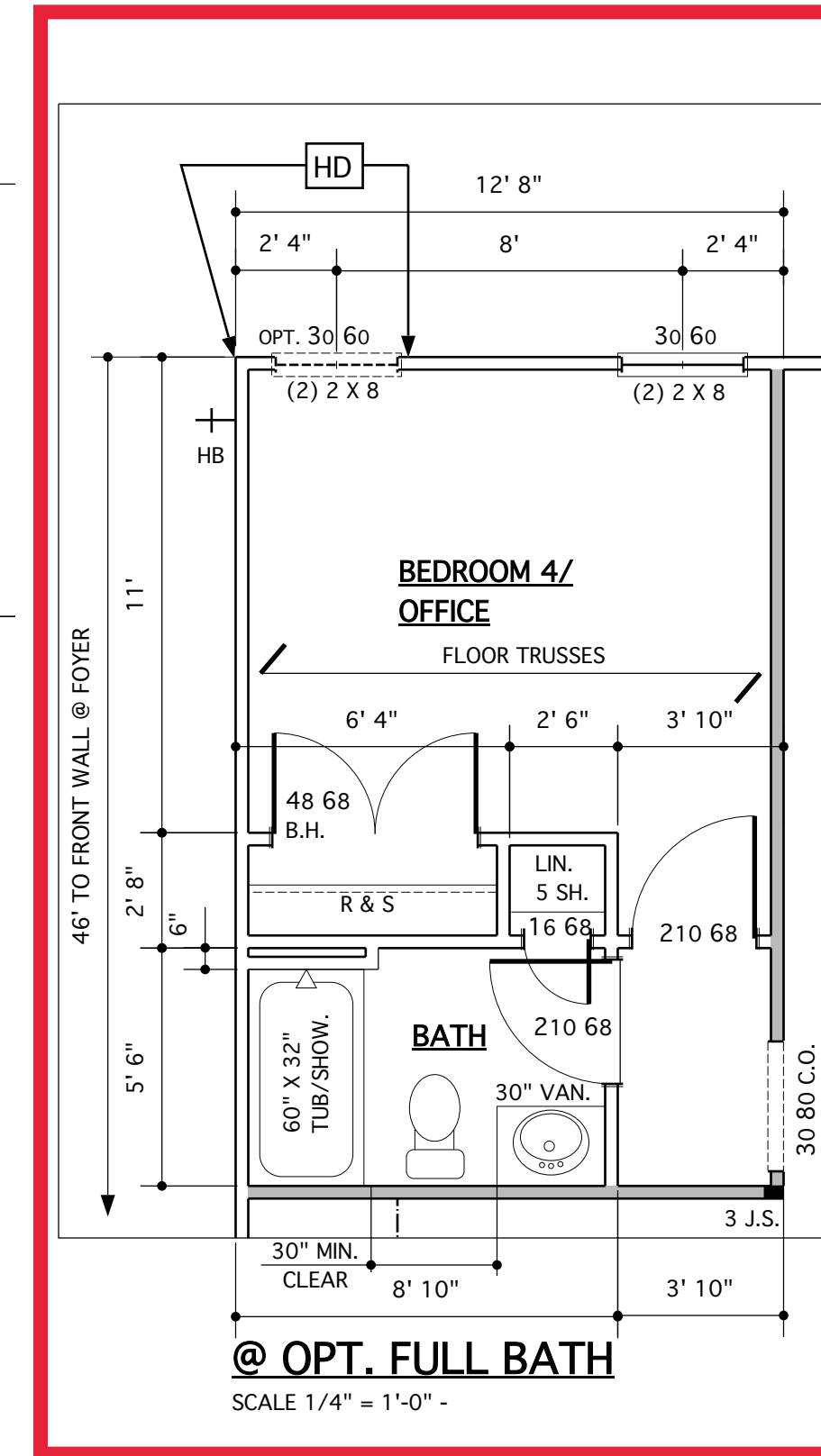
VERIFY STAIR OPENING W/ TRUSS SHOP DWGS.

4 X 4 LOAD BEARING POST W/ BATTERED COLUMN SLEEVE OVER @ ELEVATION A - SEE ELEVATION SHEETS FOR COLUMN TYPES @ OTHER ELEVATIONS (SEE PORCH NOTES ON SHEET SD-1)



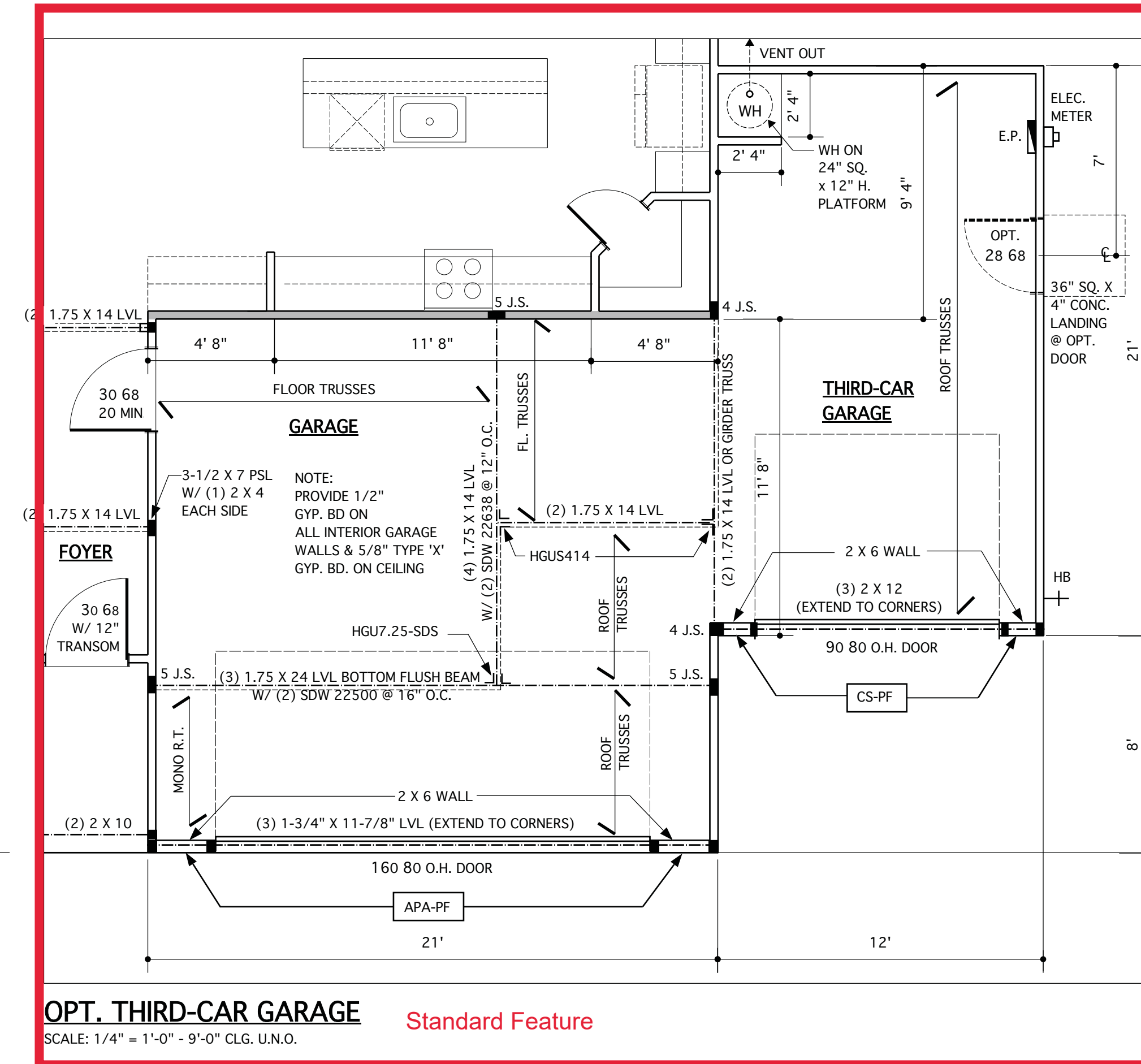
FIRST FLOOR PLAN

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



@ OPT. FULL BATH

SCALE 1/4" = 1'-0"



OPT. THIRD-CAR GARAGE

SCALE: 1/4" = 1'-0" - 9'-0" CLG. U.N.O.

Standard Feature

JAMES WENTLING/ ARCHITECT
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MARK	DATE	DESCRIPTION
DN	12-03-19	16 RISERS/MINOR UPDATES
CH	03-17-20	CLIENT REV. + 17 R.
DN	05-20-20	UP/TURNED BEAM - GARAGE
AM	05-10-21	RE-STAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-16-23	SHOP DWGS. REV.
DN	03-23-23	STRUCT. DWGS. REV.

PROJECT NO. 113-88
DATE 06-26-19
SCALE AS NOTED
DRAWN BY CH
CHECKED BY JW
ISSUED FOR PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 2343 - GARAGE RIGHT

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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3716 BENSON DR., RALEIGH, NC 27609
LICENSE: C-1287, PHONE: 919-878-1617
PROJECT # 19-1970

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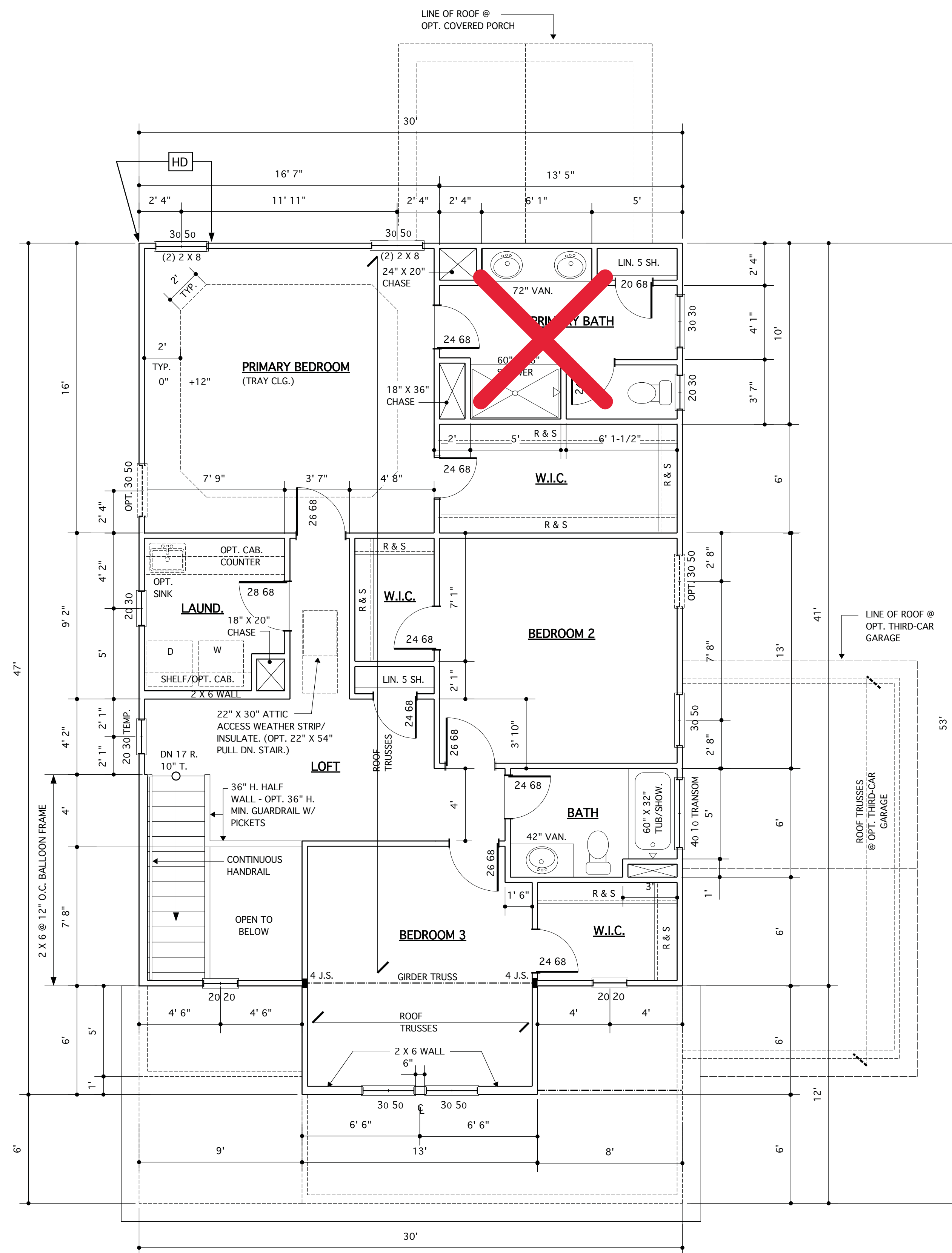
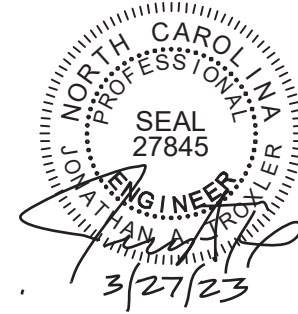
REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.

NOTES:

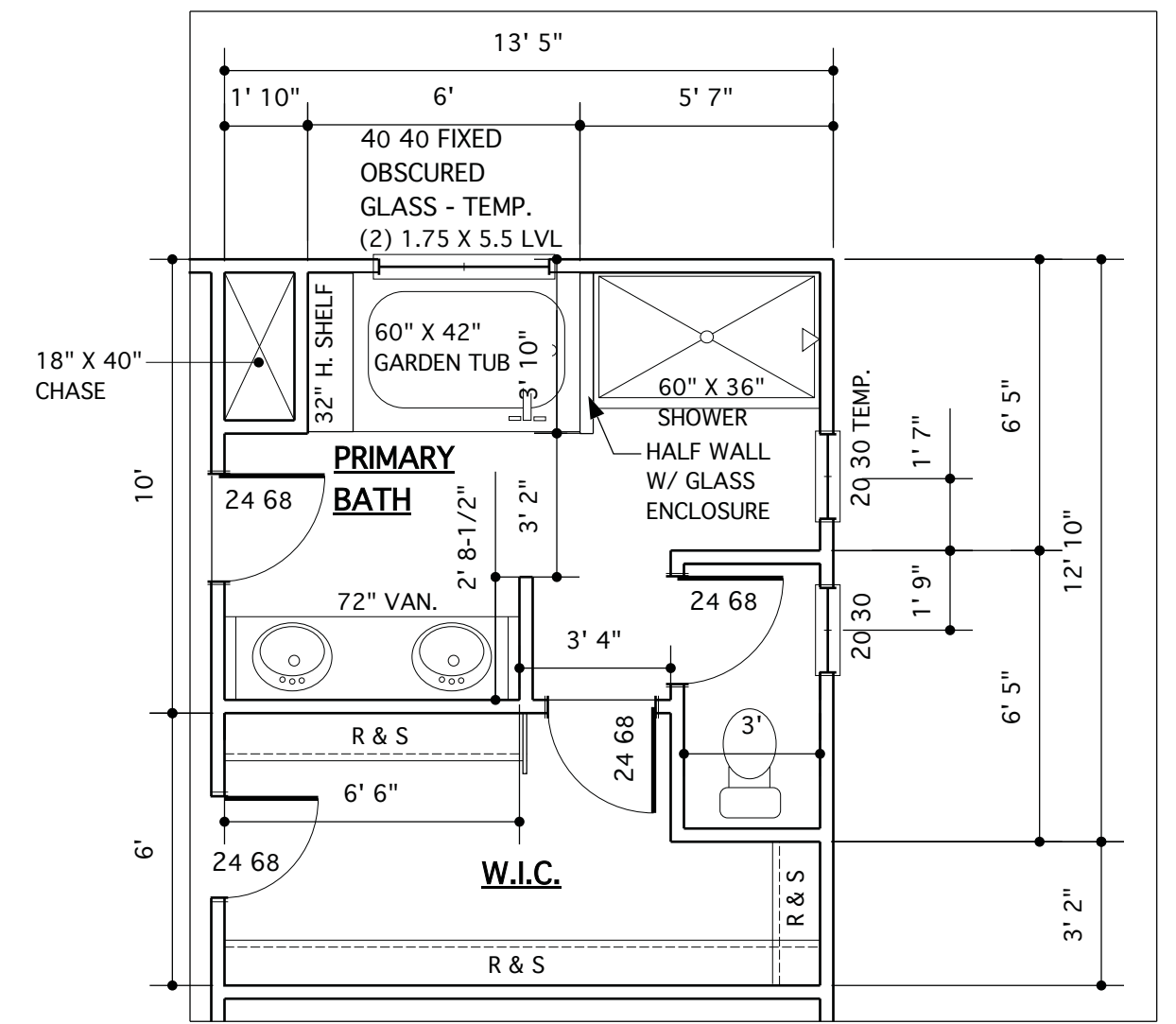
WALLS ARE DIMENSIONED TO FACE OF STUD AND ARE 3-1/2" THICK UNLESS NOTED OTHERWISE. (SEE SHEET SD-1 FOR ADDITIONAL NOTES & DETAILS)
(SEE FLOOR SYSTEM LAYOUT AND SHOP DRAWINGS FOR ADDITIONAL INFORMATION AND TO VERIFY BEAM & TRUSS SIZES AND LOCATIONS.)
NOTE: SEE ELEVATIONS FOR OPT. BRICK OR STONE WAINSCOT/VENEER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

LEGEND

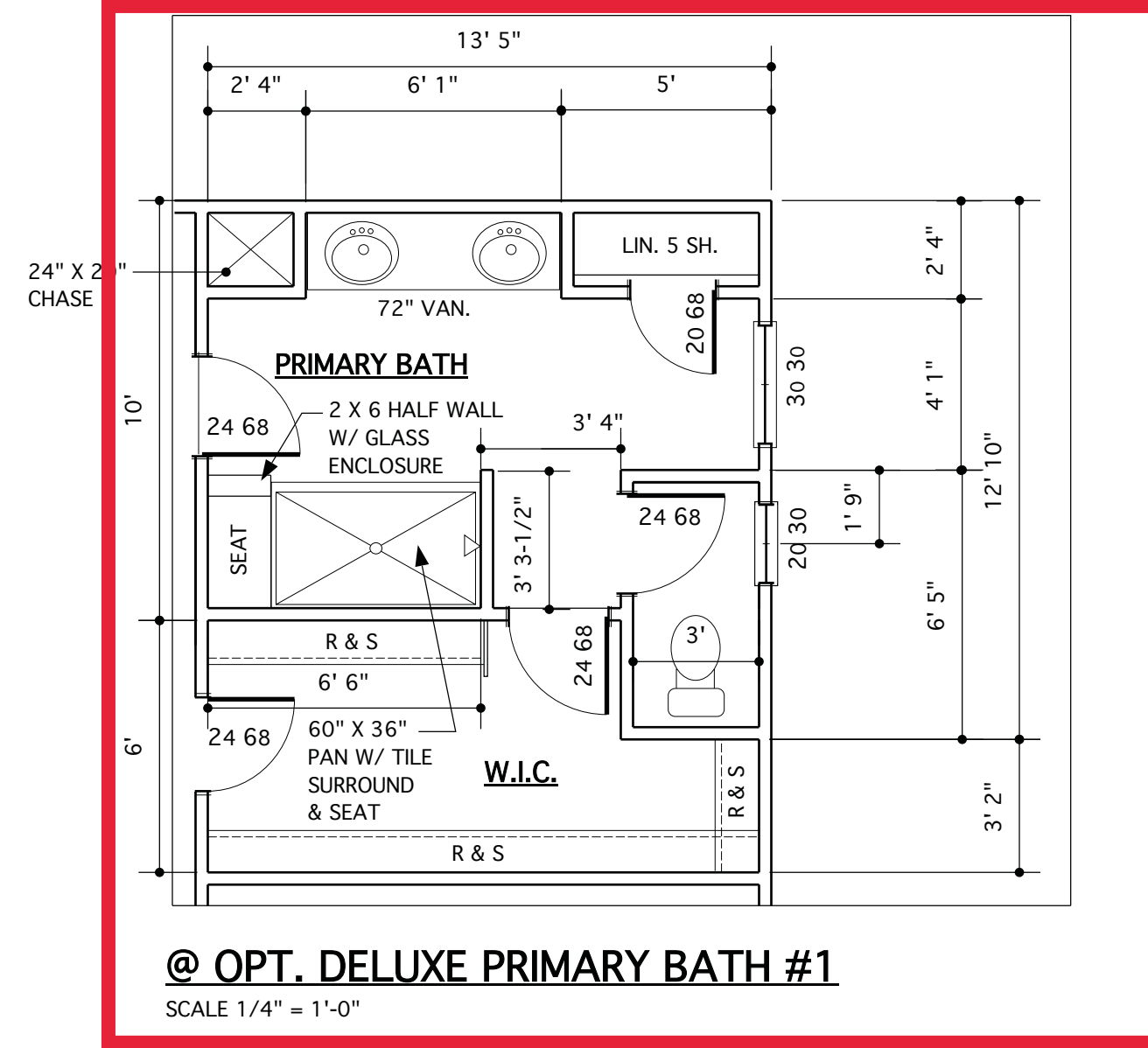
- INTERIOR LOAD BEARING WALL
- DENOTES 2 JACK STUDS UNLESS NOTED OTHERWISE
- SEE STRUCTURAL DRAWINGS FOR NUMBER OF JACK STUDS AND SIZES



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



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



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

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REVISIONS

MARK	DATE	DESCRIPTION
CH	06-26-19	THE JEWEL
DN	08-19-19	STRUCT. DWGS. REV.
DN	12-03-19	16 RISERS/MINOR UPDATES
CH	03-17-20	CLIENT REV. + 17 R.
DN	05-20-20	UPTURNED BEAM - GARAGE
JAM	05-10-21	RE-STAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION

PROJECT NO.	113-88
DATE	06-26-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

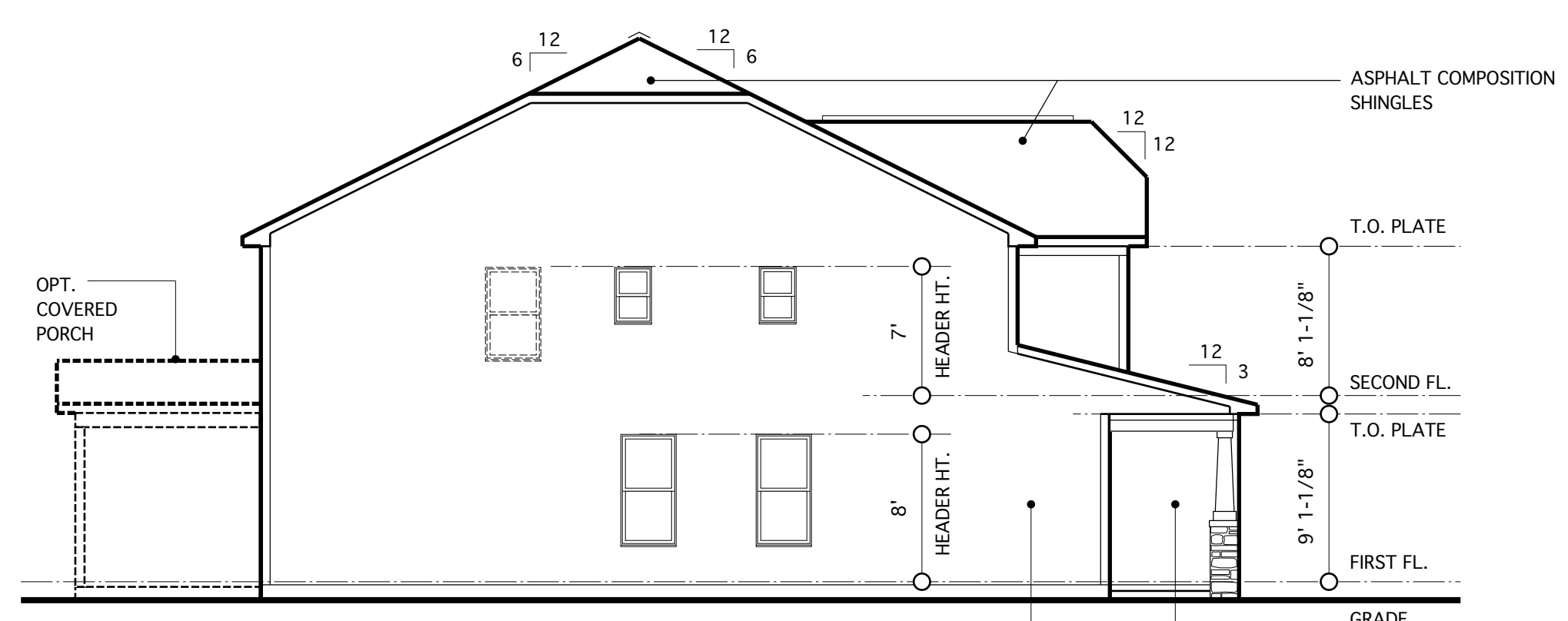
PROJECT TITLE
MODEL 2343 - GARAGE RIGHT

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

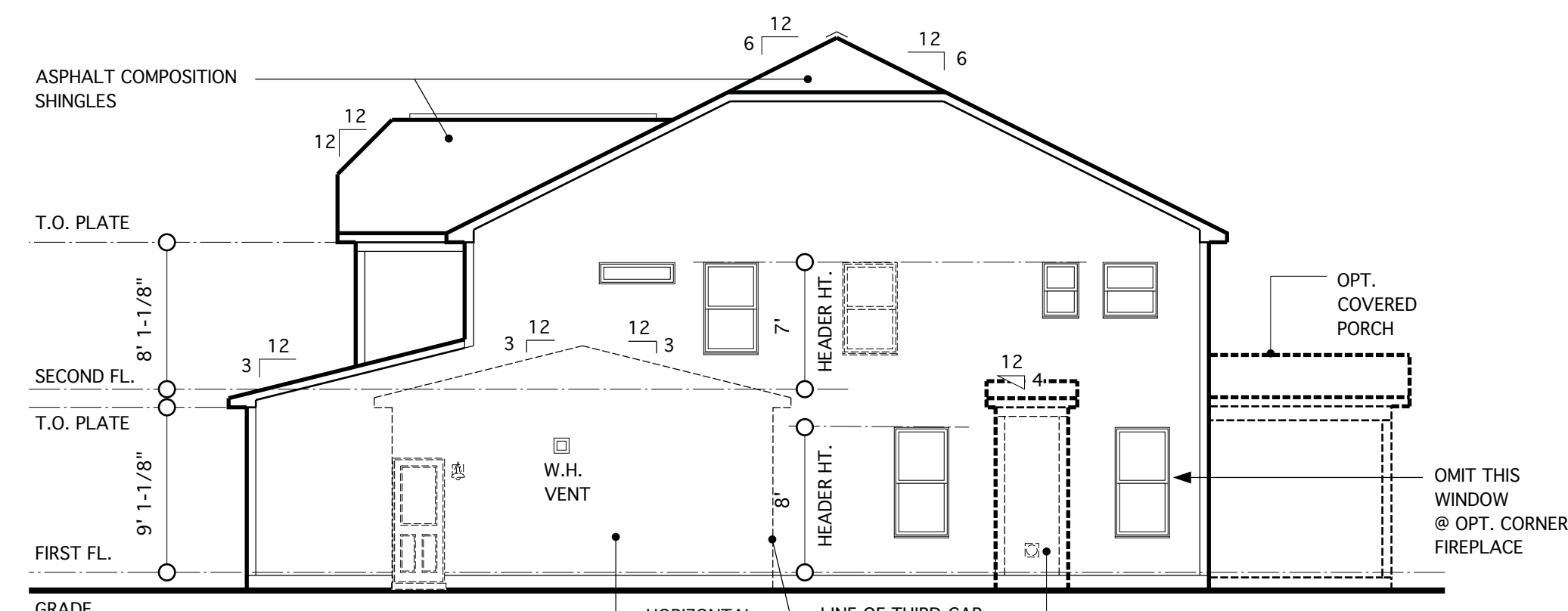
DRAWING TITLE
SECOND FLOOR PLANS

SHEET
3.1

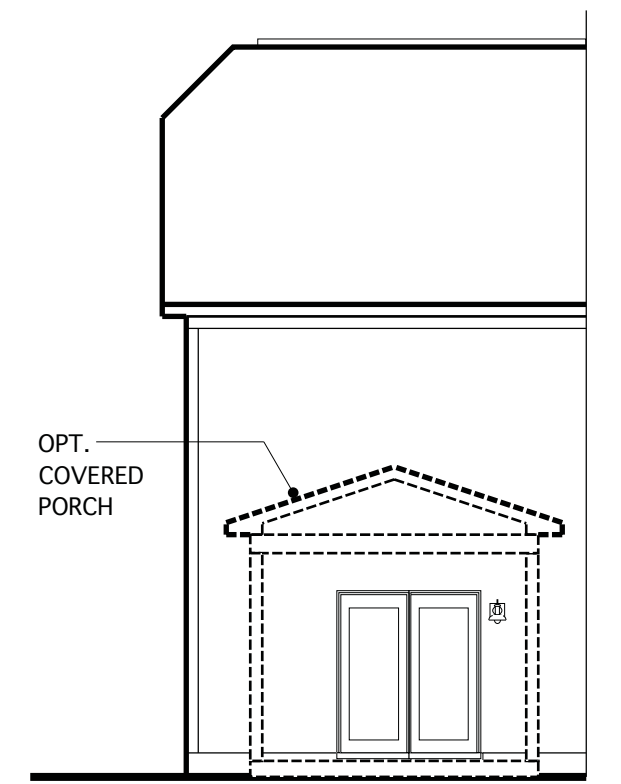
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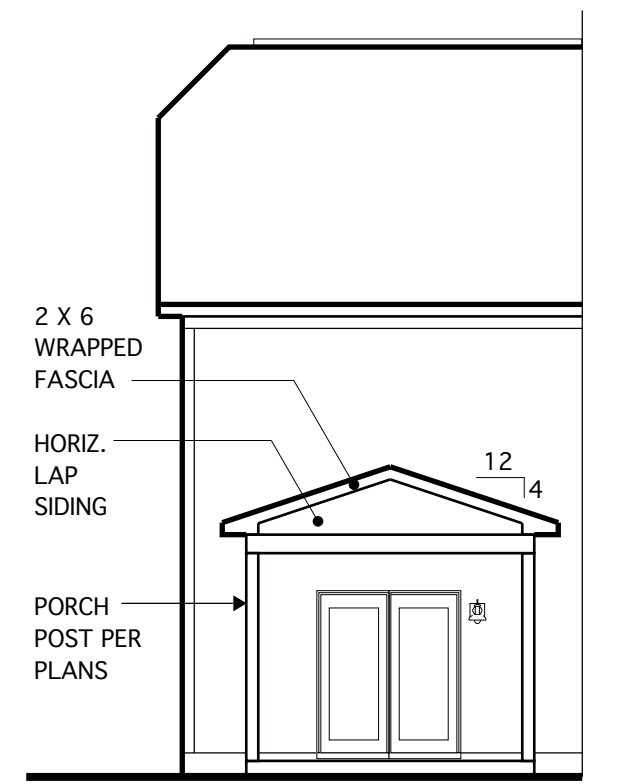
LEFT ELEVATION
SCALE: 1/8"=1'-0"



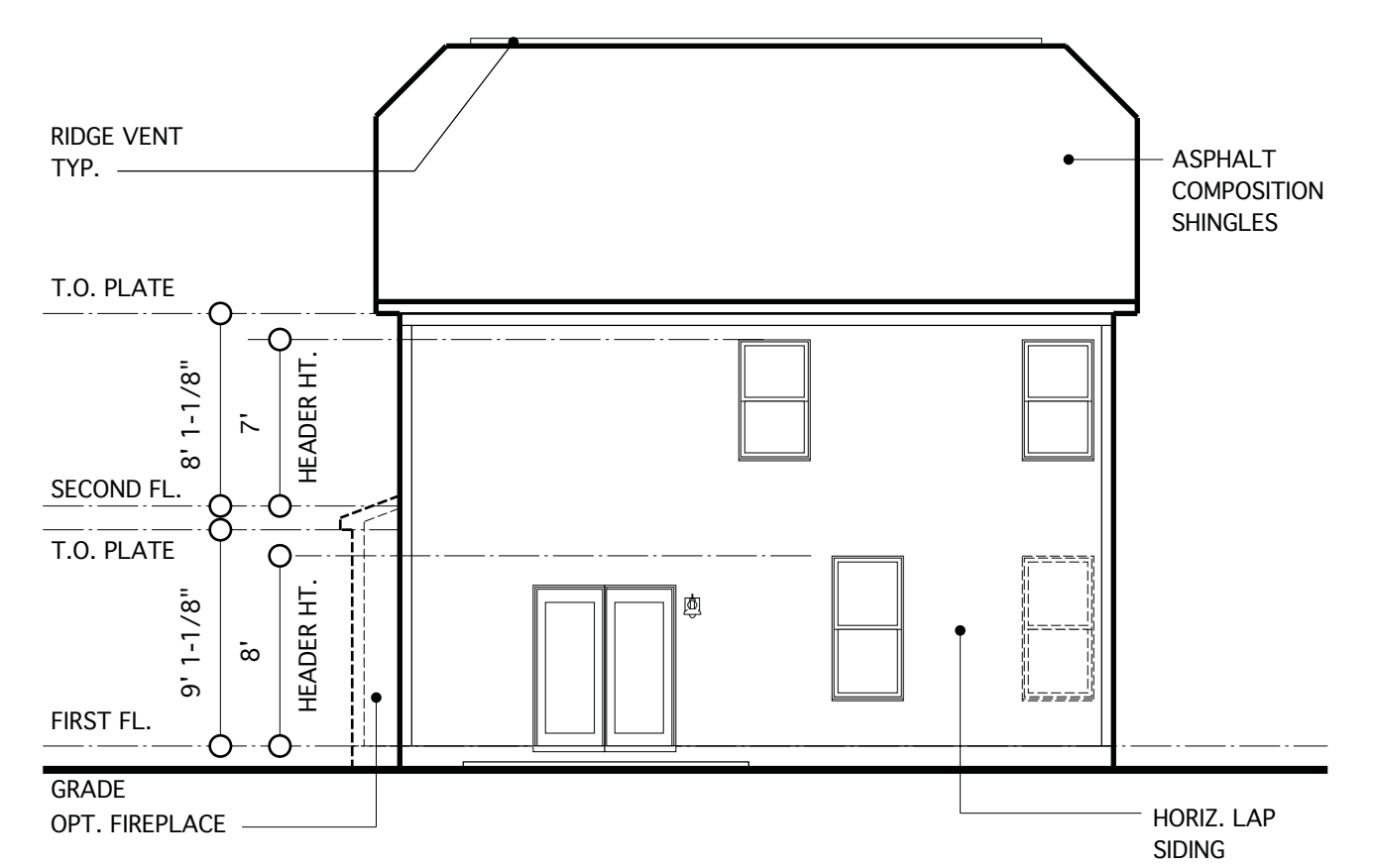
RIGHT ELEVATION
SCALE: 1/8"=1'-0"



REAR ELEVATION @ OPT. CORNER FIREPLACE
SCALE: 1/8"=1'-0"



REAR ELEVATION @ OPT. COVERED PORCH
SCALE: 1/8"=1'-0"

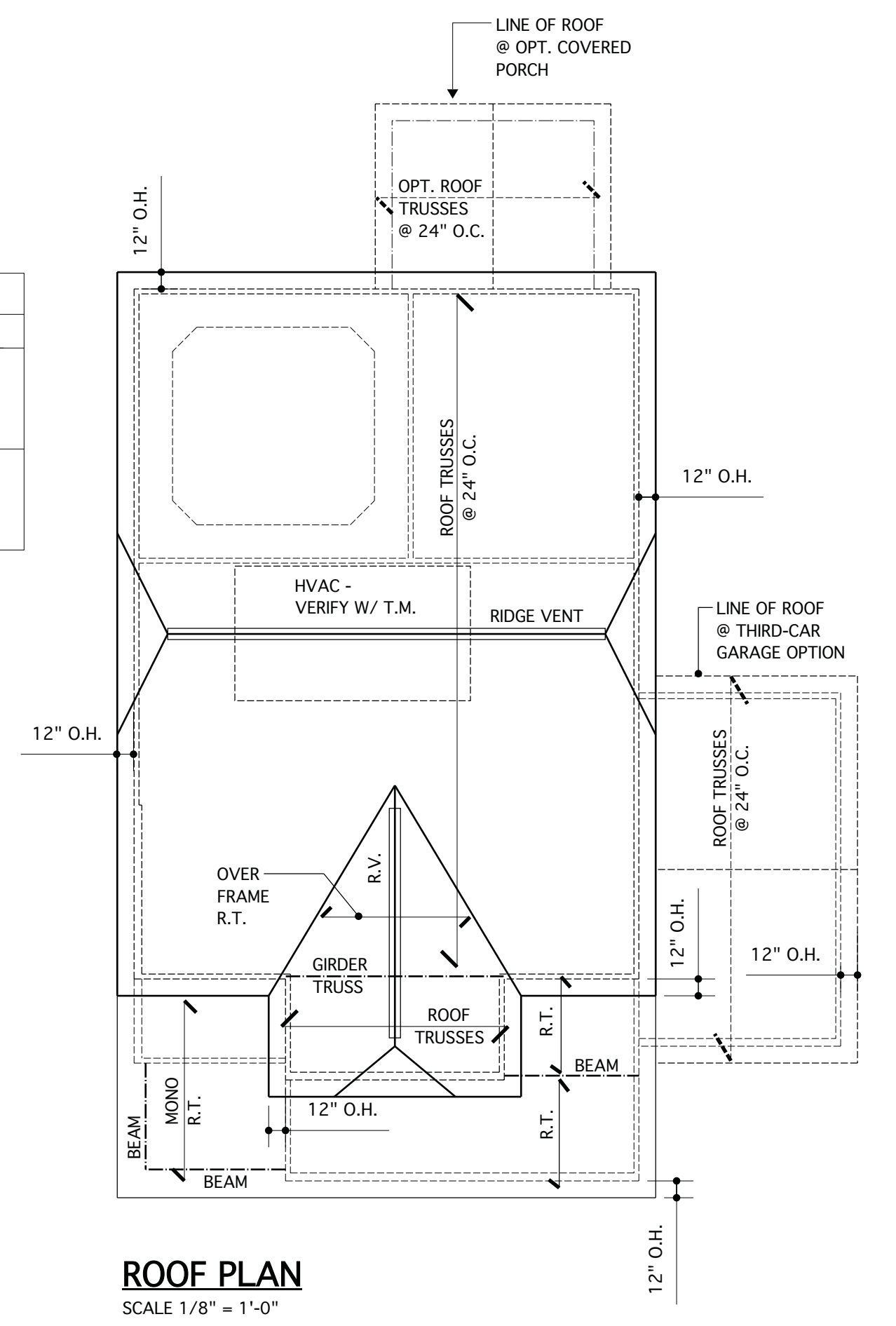


REAR ELEVATION
SCALE: 1/8"=1'-0"

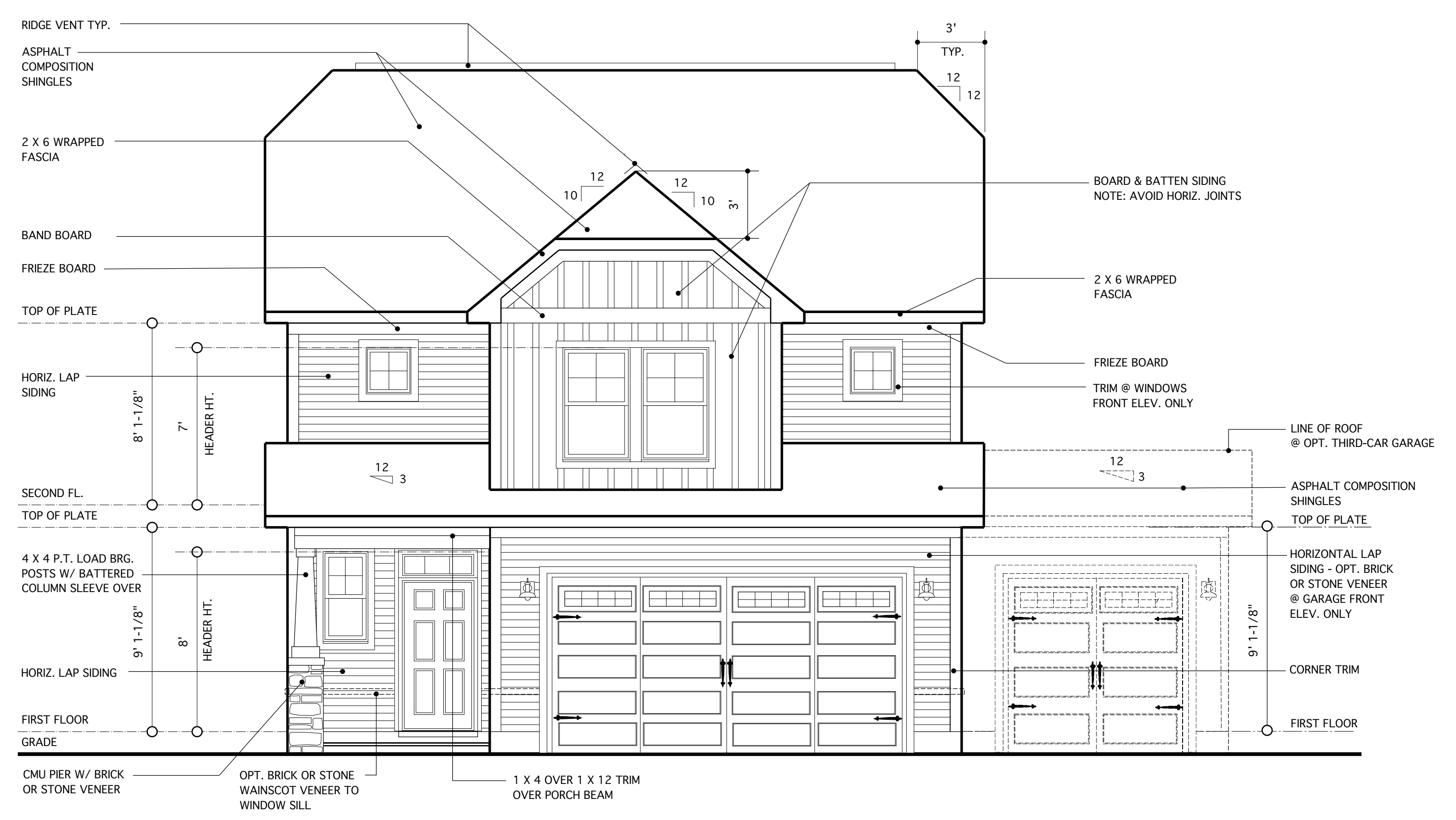
REQUIRED VENTILATION SCHEDULE - MAIN HOUSE	
1,760 SQ. FT. OF CEILING AREA / 300	= 5.86 SQ. FT. REQ.
RIDGE VENTS 5.86 X 0.5 = 2.93 SQ. FT. 2.93 SQ. FT. X 144 = 422 SQ. IN. 422 SQ. IN. / 18 SQ. IN. = 23.5 (18 SQ. IN. VENT PER LIN. FT.)	= 23.5 LIN. FT. REQ. 41.5 LIN. FT. PROVIDED
SOFFIT VENTS 5.86 X 0.5 = 2.93 SQ. FT. 2.93 SQ. FT. X 144 = 422 SQ. IN. 422 SQ. IN. / 9 SQ. IN. = 47 LIN. FT. (9 SQ. IN. VENT PER LIN. FT.)	= 47 LIN. FT. REQ. 80 LIN. FT. PROVIDED

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

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



ROOF PLAN
SCALE 1/8" = 1'-0"



FRONT ELEVATION A
SCALE: 1/4"=1'-0"

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5/23/23

REVISIONS		
MARK	DATE	DESCRIPTION
DN	08-19-19	MINOR UPDATE
DN	12-03-19	MINOR UPDATE
CH	03-17-20	CLIENT REVISIONS
DN	05-20-20	UPTURNED BEAM - GARAGE
AM	05-10-21	RE-STAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-23-23	MINOR UPDATES

PROJECT NO. 113-88
DATE 06-26-19
SCALE AS NOTED
DRAWN BY CH
CHECKED BY JW
ISSUED FOR PERMITS/CONSTRUCTION

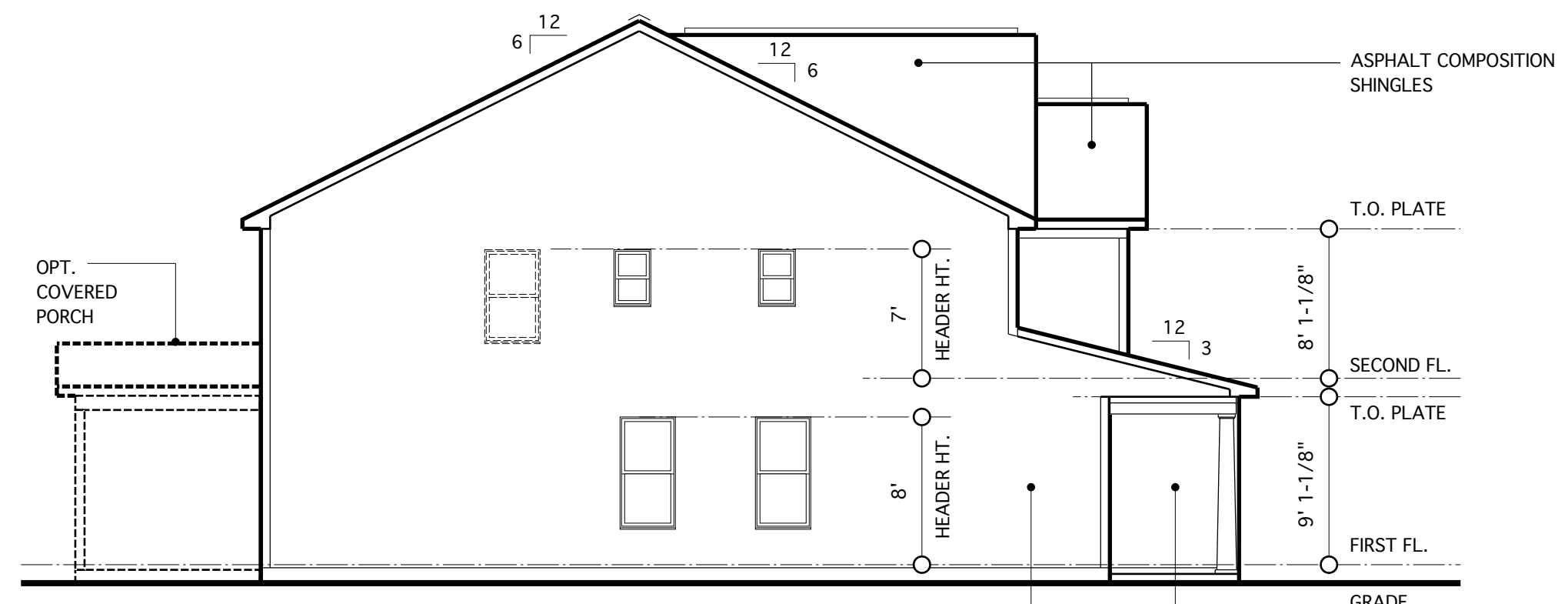
PROJECT TITLE
MODEL 2343 - GARAGE RIGHT

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

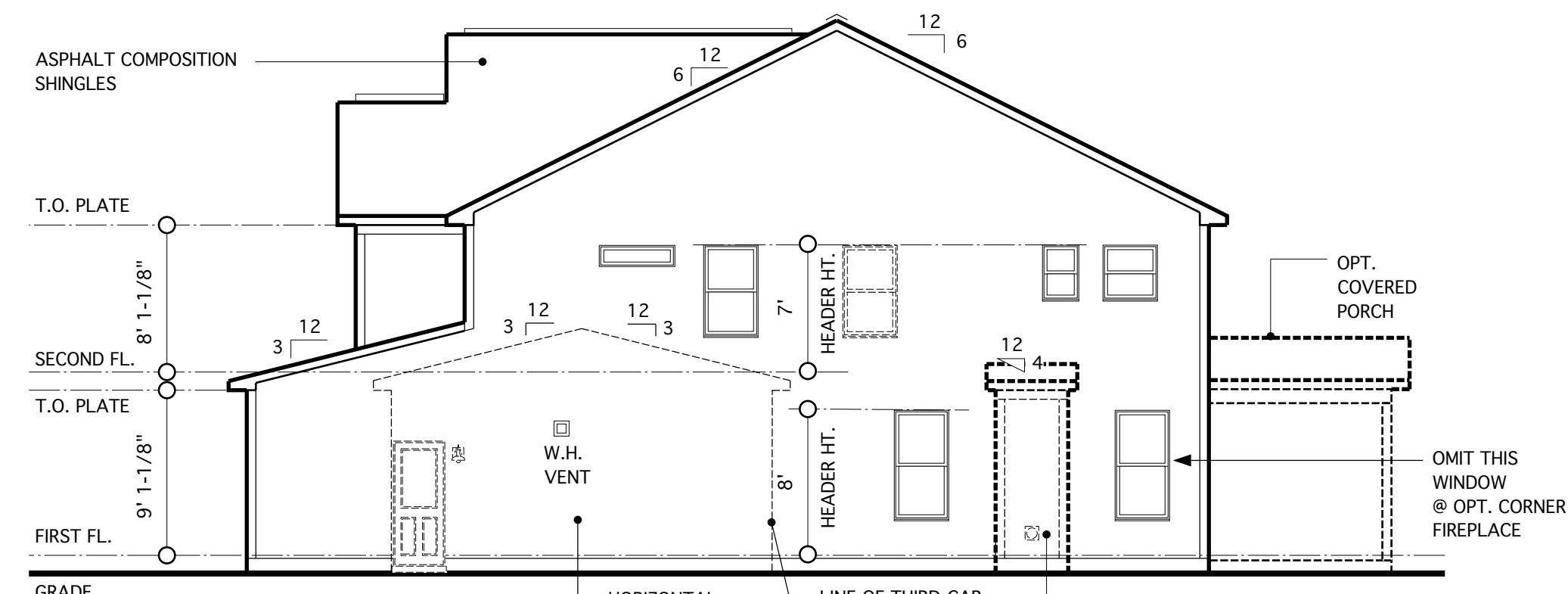
DRAWING TITLE
ELEVATION A AND ROOF PLAN

SHEET
4

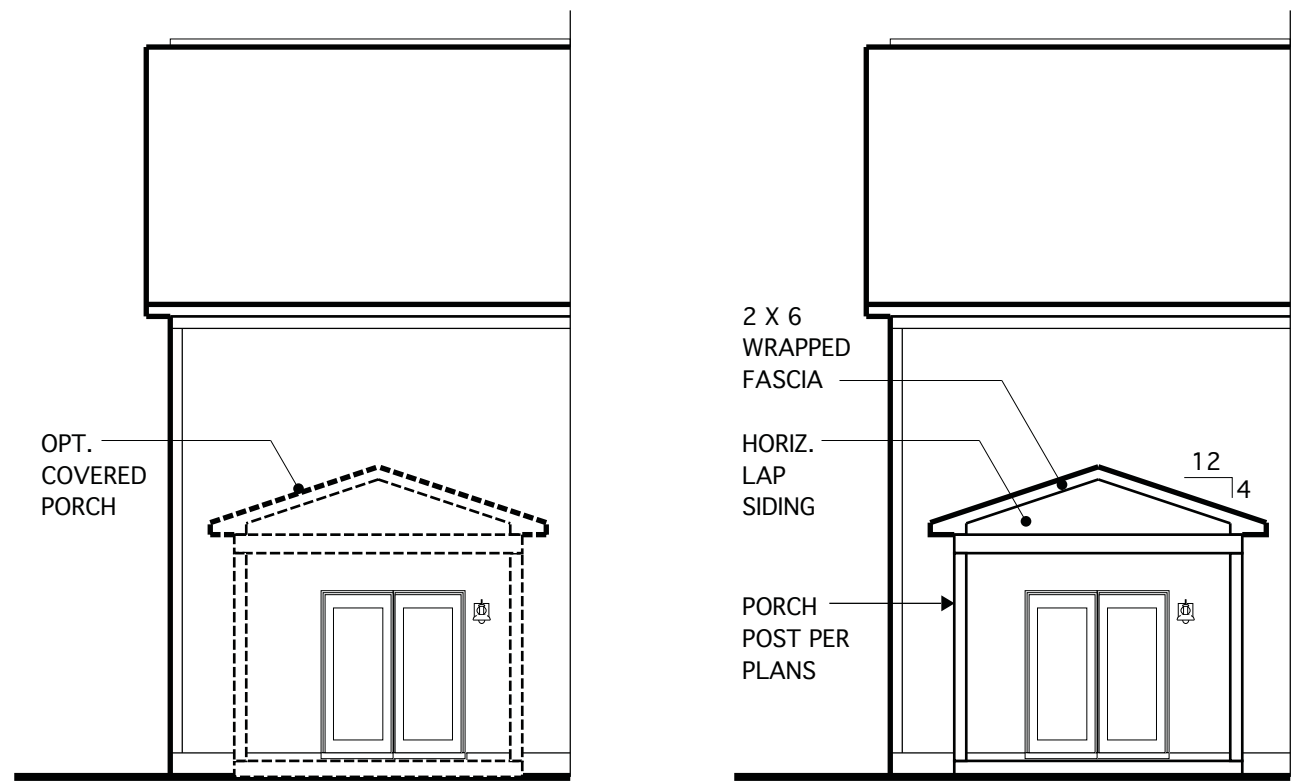
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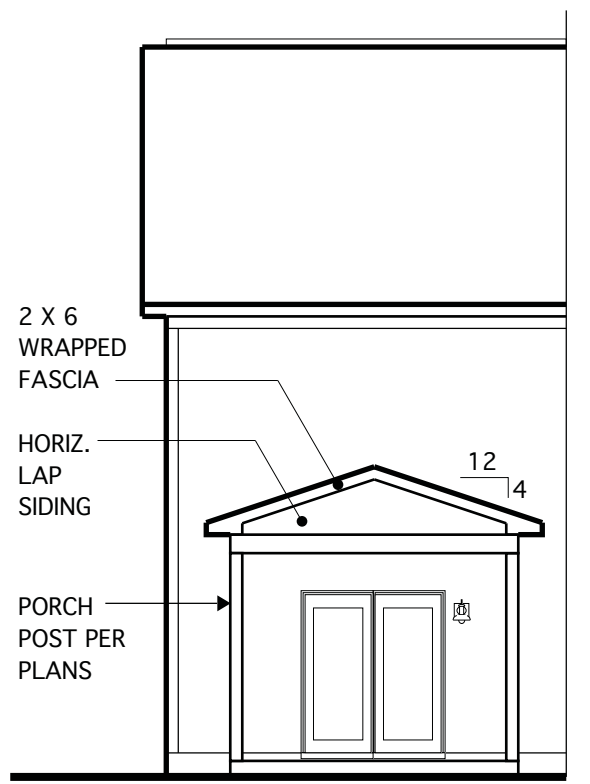
LEFT ELEVATION
SCALE: 1/8"=1'-0"



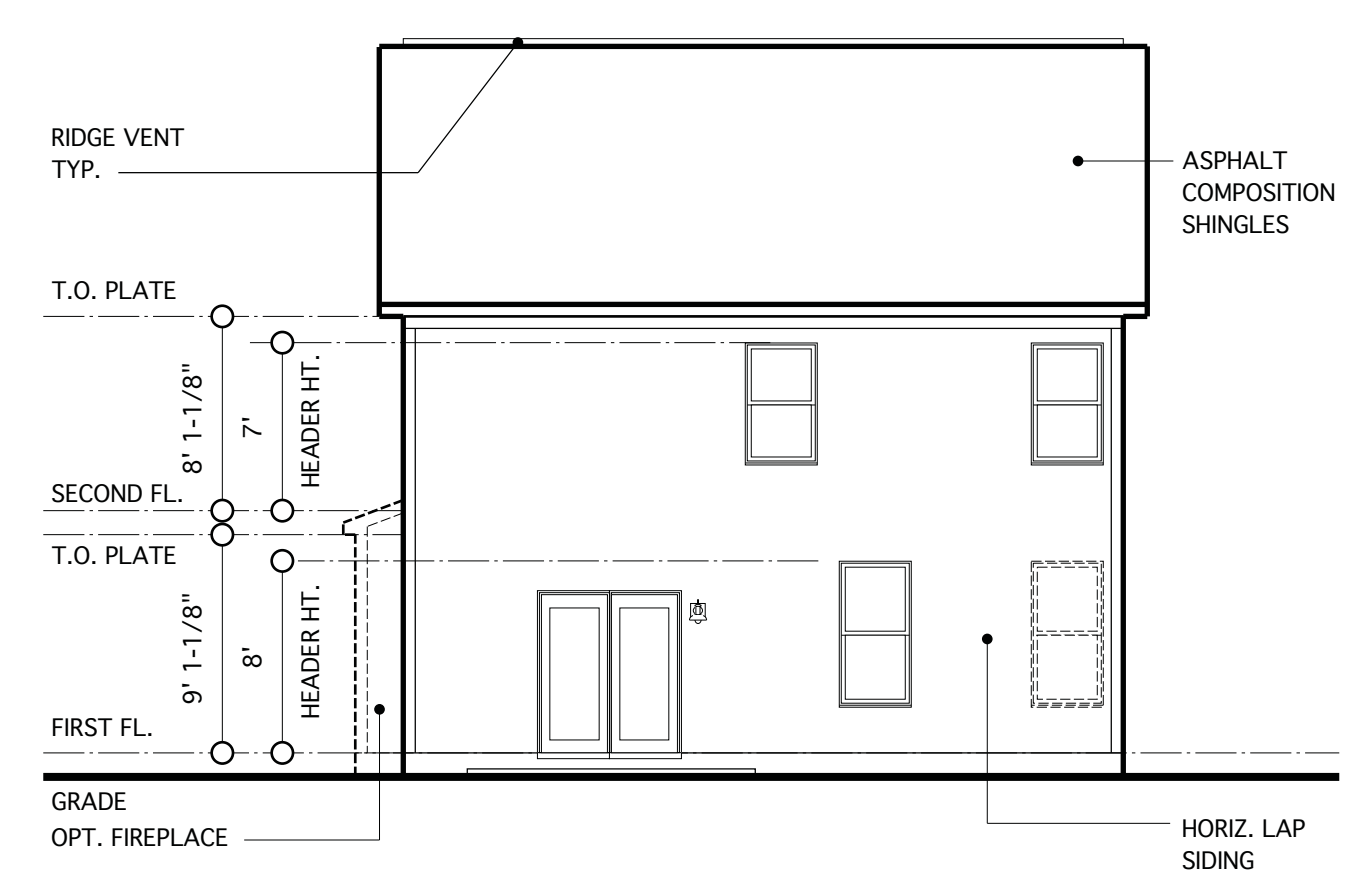
RIGHT ELEVATION
SCALE: 1/8"=1'-0"



REAR ELEVATION @ OPT. CORNER FIREPLACE
SCALE: 1/8"=1'-0"



REAR ELEVATION @ OPT. COVERED PORCH
SCALE: 1/8"=1'-0"

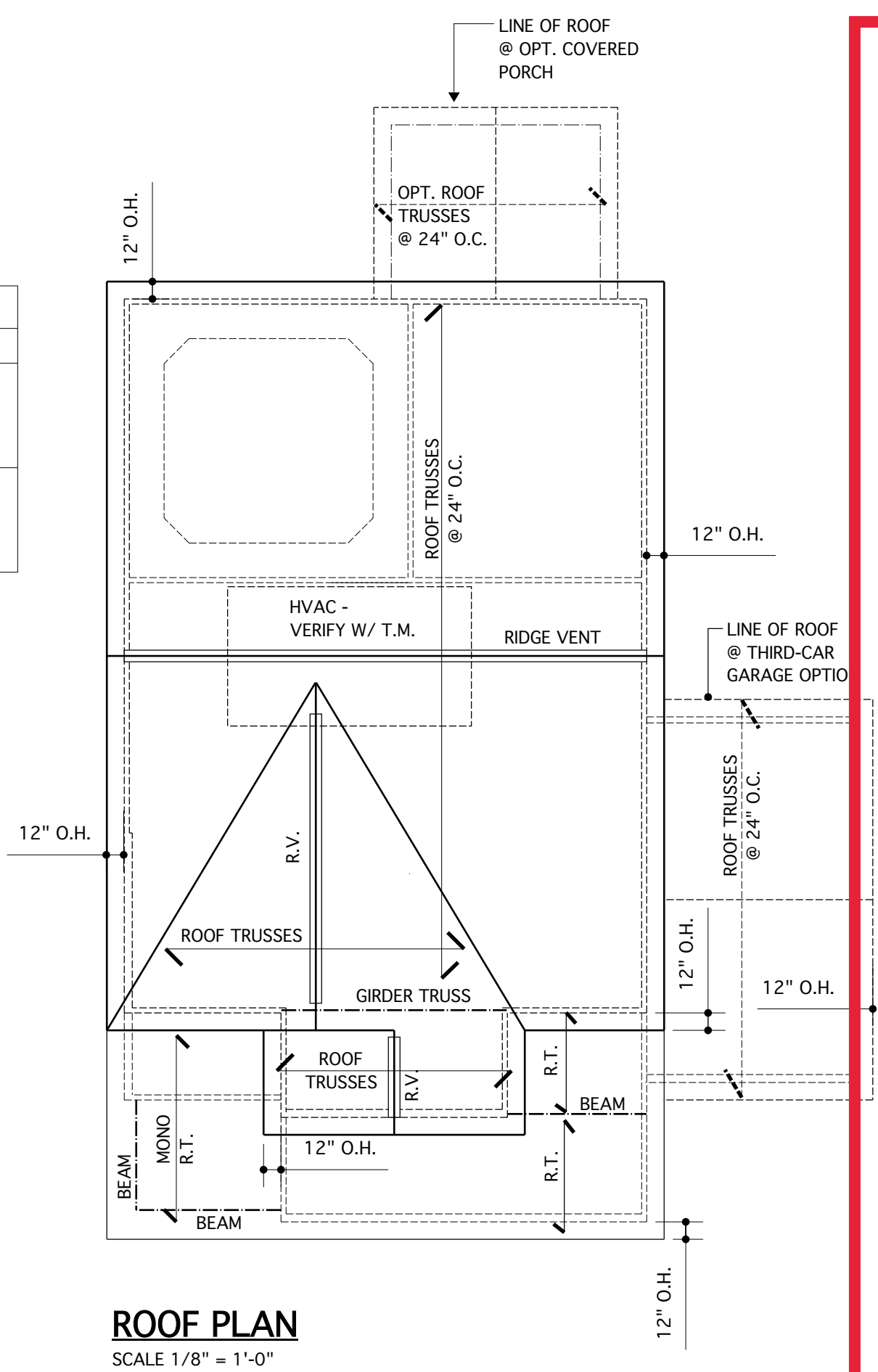


REAR ELEVATION
SCALE: 1/8"=1'-0"

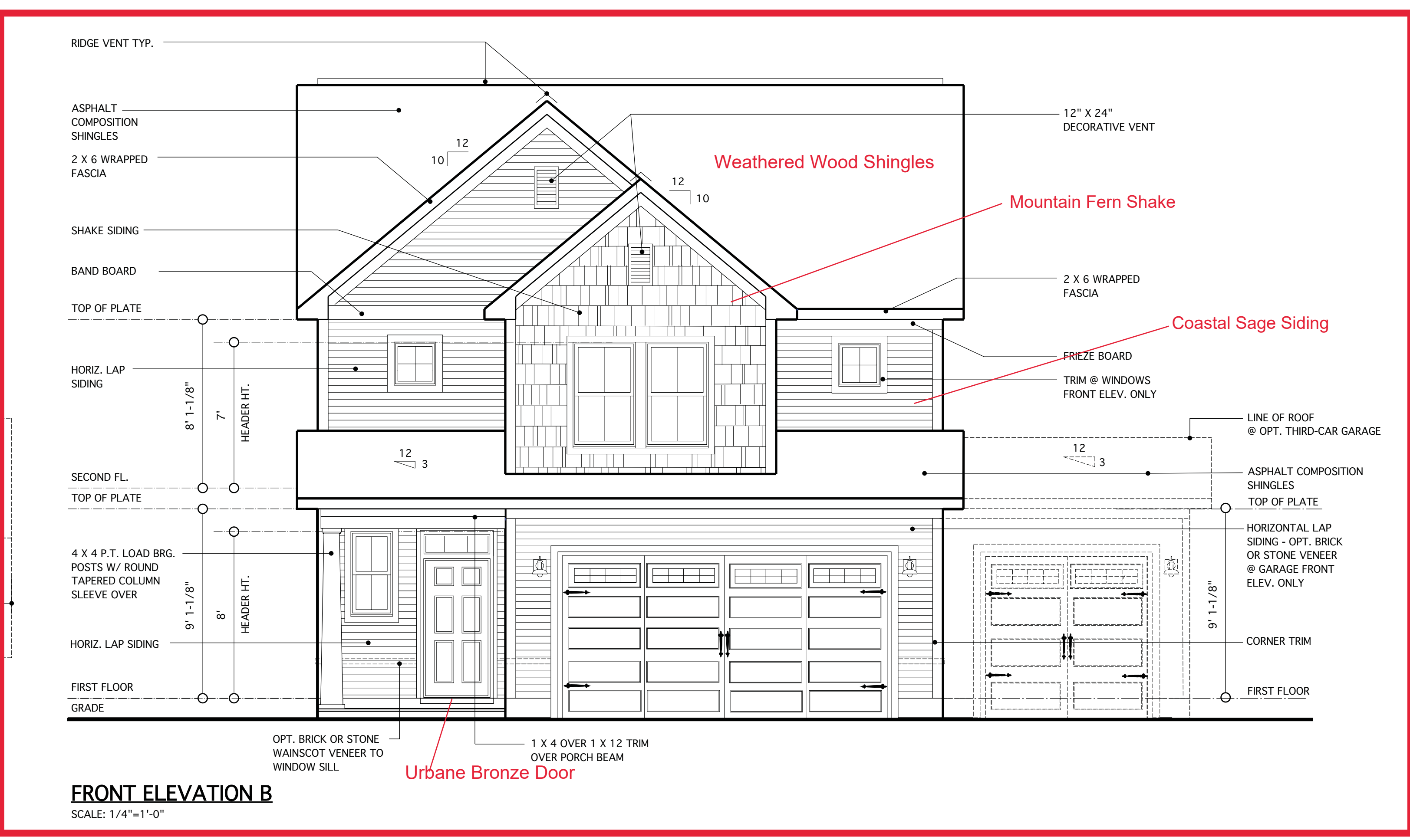
REQUIRED VENTILATION SCHEDULE - MAIN HOUSE		
	1,760 SQ. FT. OF CEILING AREA / 300	= 5.86 SQ. FT. REQ.
RIDGE VENTS	5.86 X 0.5 = 2.93 SQ. FT. 2.93 SQ. FT. X 144 = 422 SQ. IN. 422 SQ. IN. / 18 SQ. IN. = 23.5 (18 SQ. IN. VENT PER LIN. FT.)	= 23.5 LIN. FT. REQ. 50 LIN. FT. PROVIDED
SOFFIT VENTS	5.86 X 0.5 = 2.93 SQ. FT. 2.93 SQ. FT. X 144 = 422 SQ. IN. 422 SQ. IN. / 9 SQ. IN. = 47 LIN. FT.	= 47 LIN. FT. REQ. 71 LIN. FT. PROVIDED (9 SQ. IN. VENT PER LIN. FT.)

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

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



ROOF PLAN
SCALE 1/8" = 1'-0"



FRONT ELEVATION B
SCALE: 1/4"=1'-0"

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SUITE 1524
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REVISIONS		
MARK	DATE	DESCRIPTION
DN	12-03-19	MINOR UPDATE
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AM	05-10-21	RE-STAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-16-23	SHOP DWGS. REV.
DN	03-23-23	MINOR UPDATES

PROJECT NO.	113-88
DATE	06-26-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

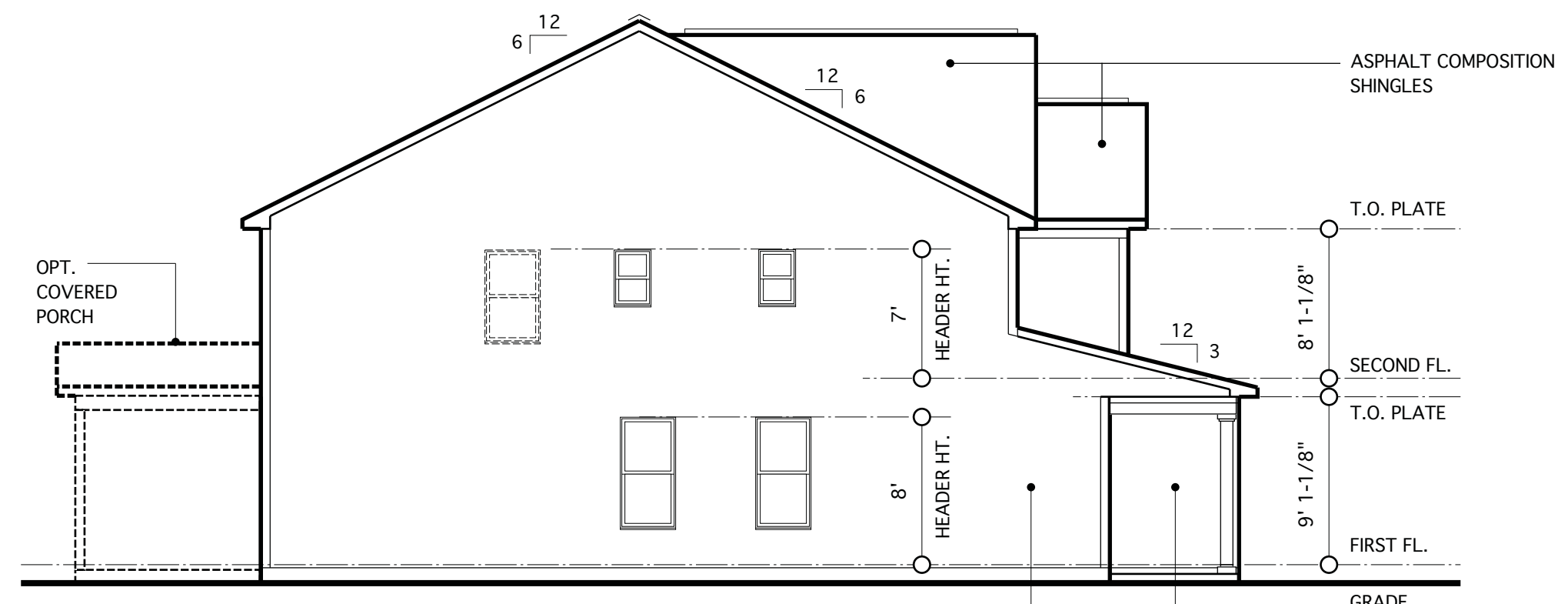
PROJECT TITLE
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CLIENT
CHESAPEAKE HOMES OF NC
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

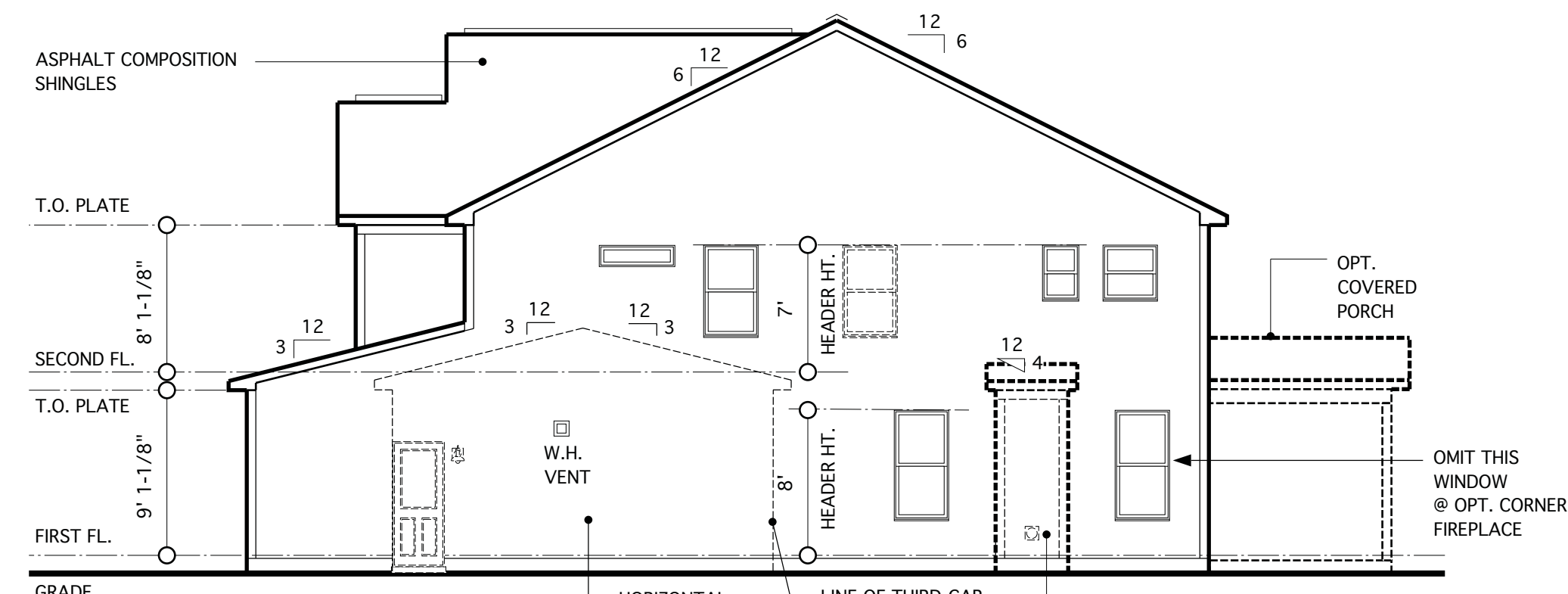
DRAWING TITLE
ELEVATION B AND ROOF PLAN

SHEET
4.1

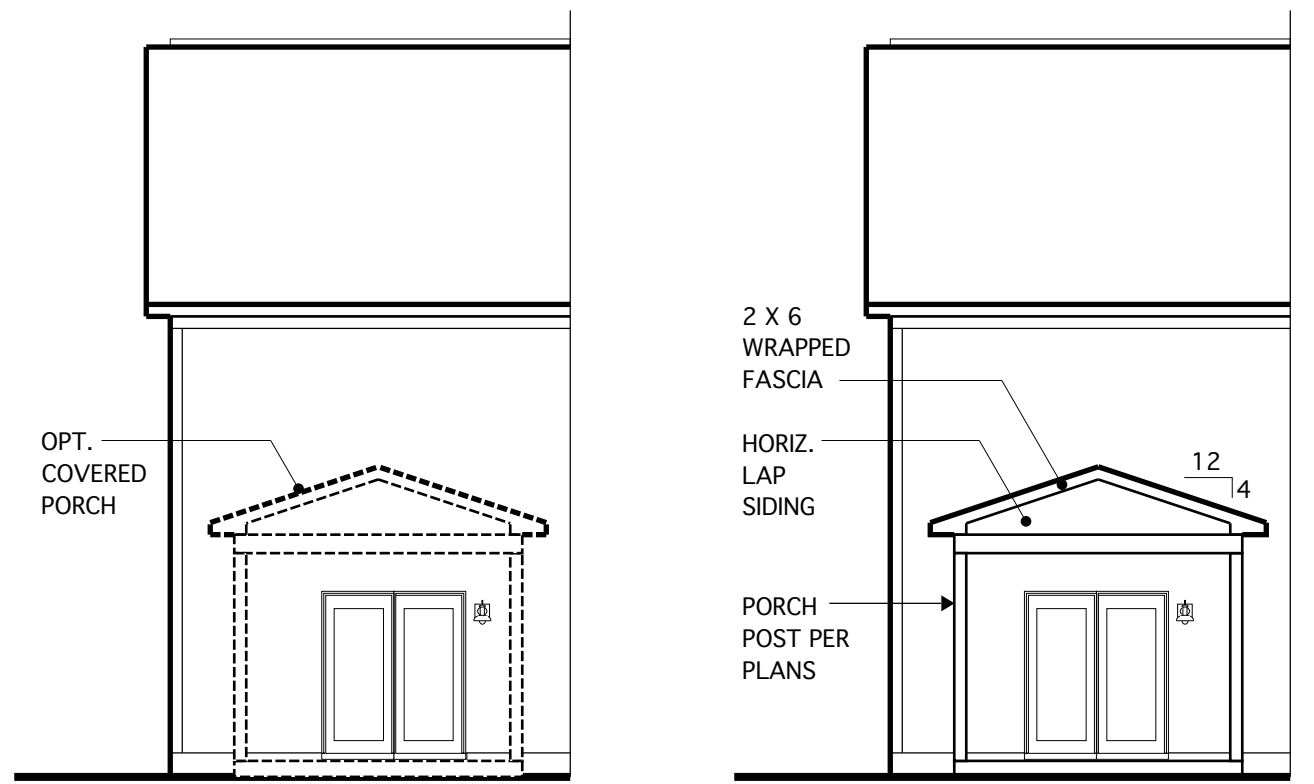
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LEFT ELEVATION
SCALE: 1/8"=1'-0"

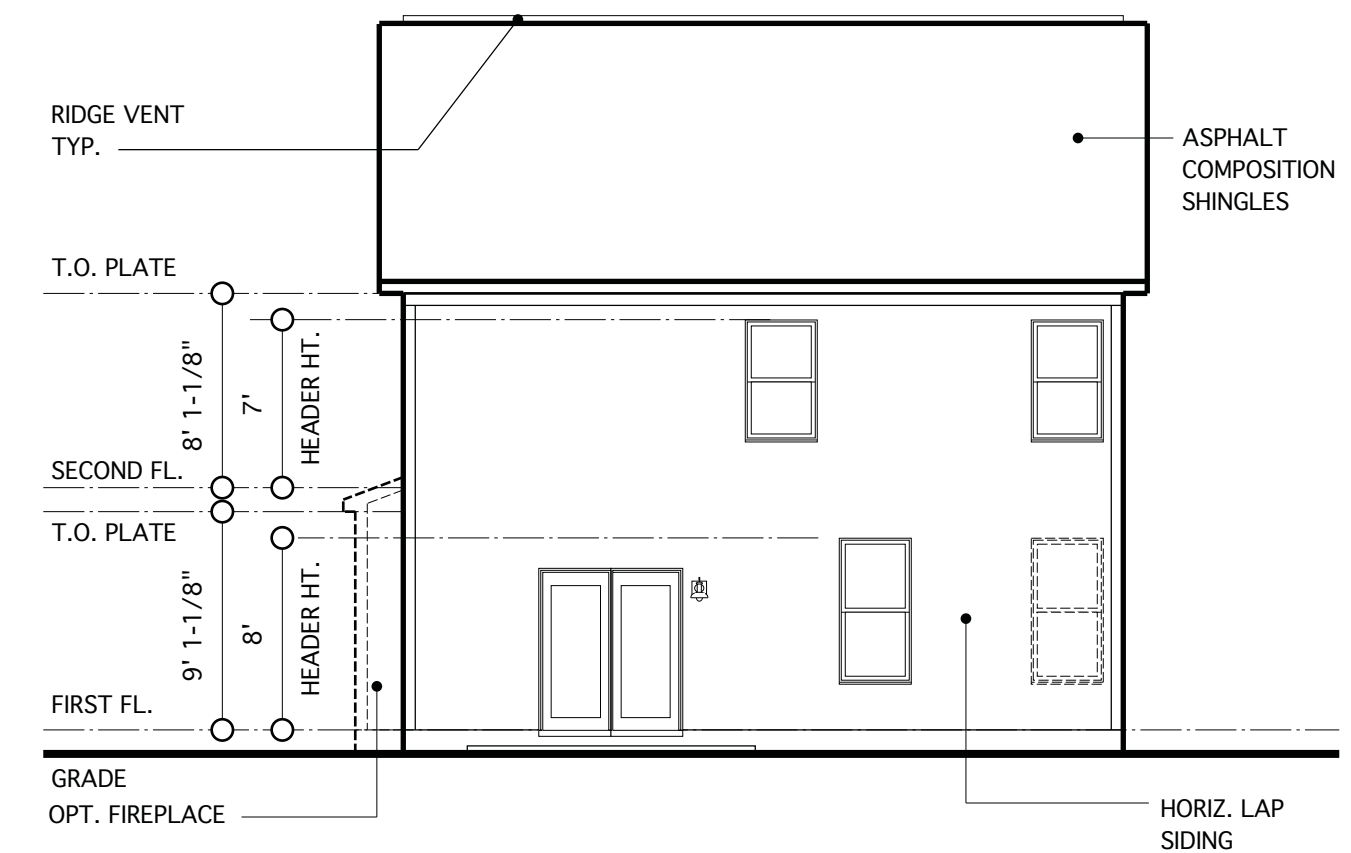


RIGHT ELEVATION
SCALE: 1/8"=1'-0"



REAR ELEVATION @ OPT. CORNER FIREPLACE
SCALE: 1/8"=1'-0"

REAR ELEVATION @ OPT. COVERED PORCH
SCALE: 1/8"=1'-0"

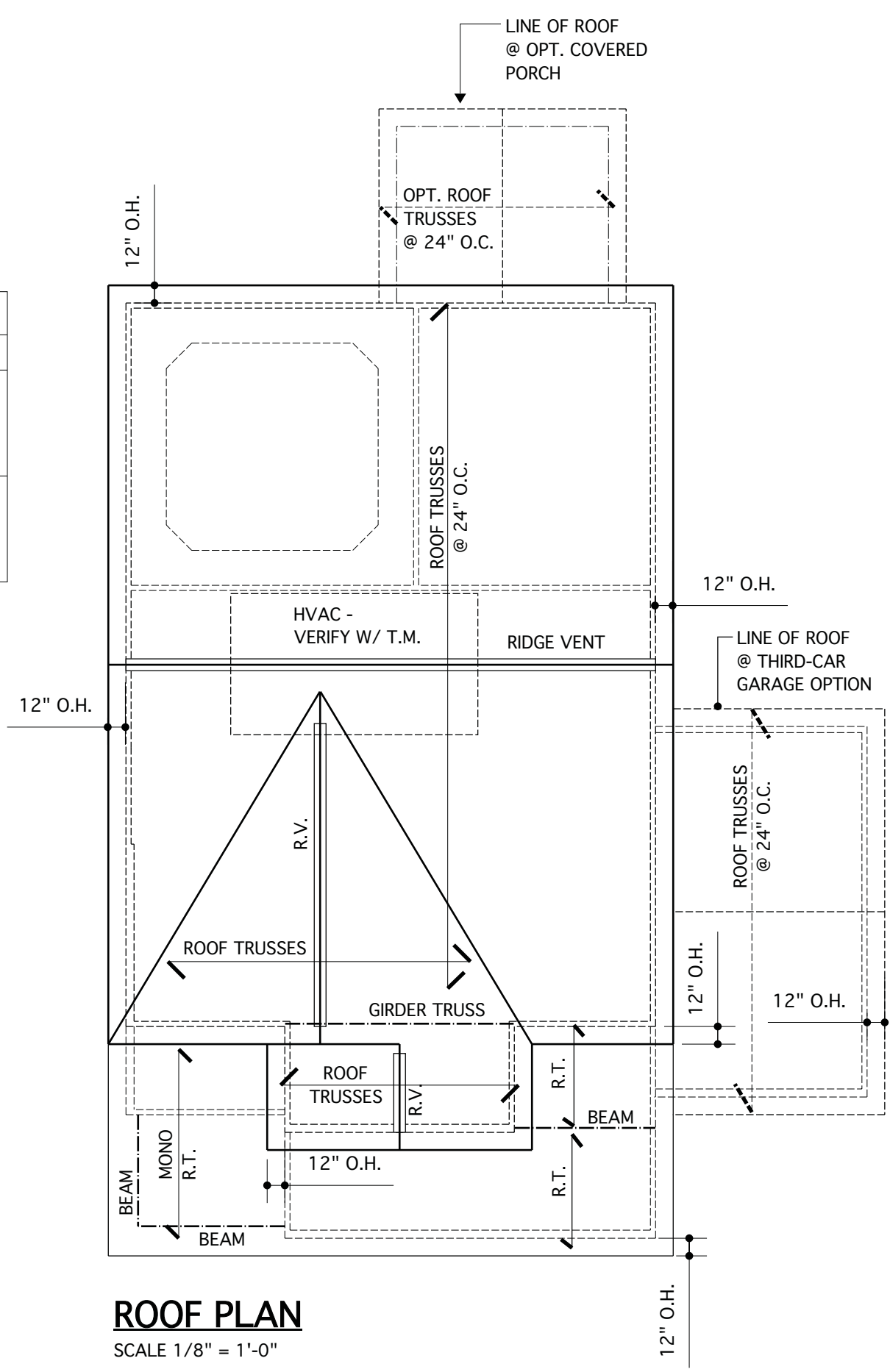


REAR ELEVATION
SCALE: 1/8"=1'-0"

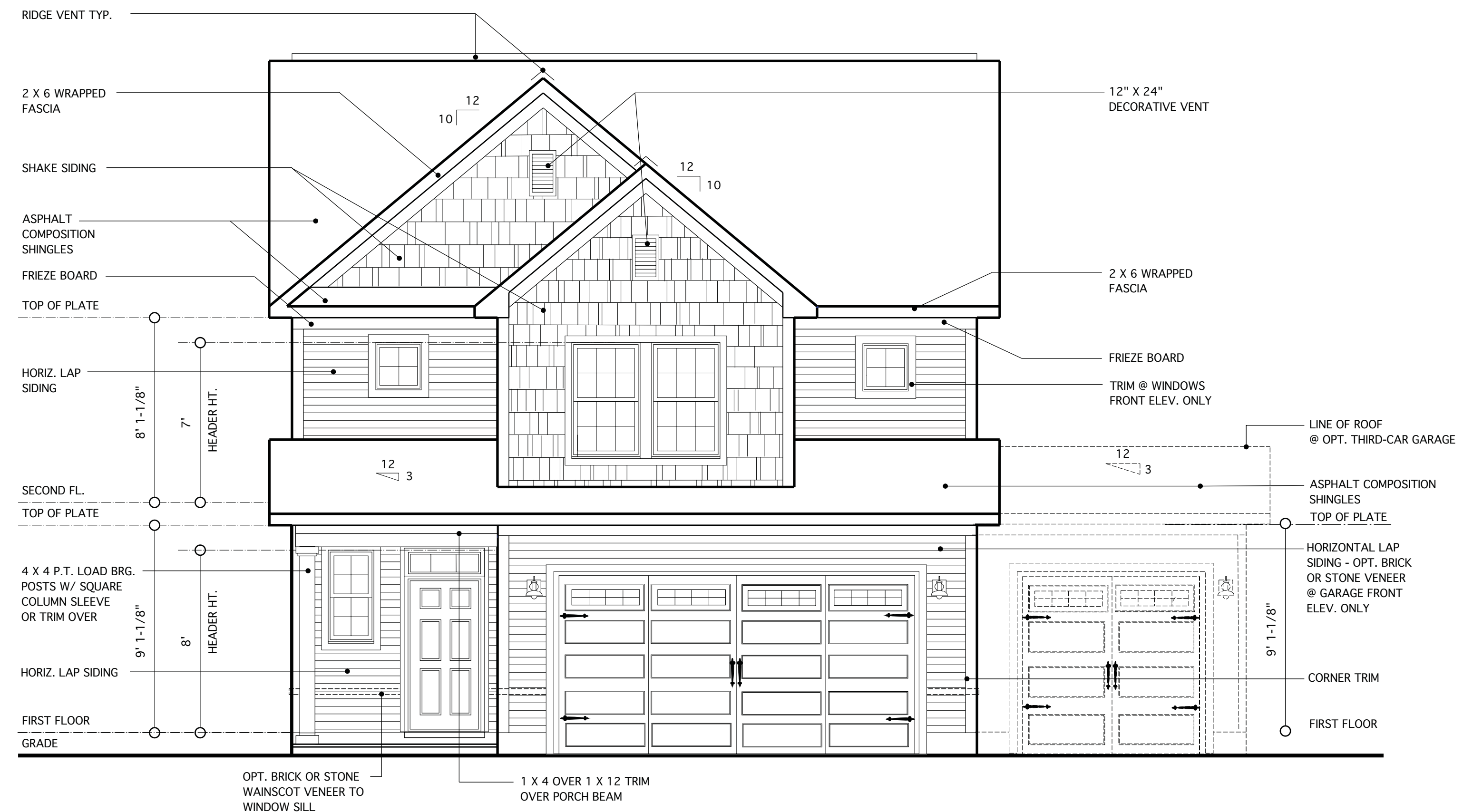
REQUIRED VENTILATION SCHEDULE - MAIN HOUSE		
	1,760 SQ. FT. OF CEILING AREA / 300	= 5.86 SQ. FT. REQ.
RIDGE VENTS	5.86 X 0.5 = 2.93 SQ. FT. 2.93 SQ. FT. X 144 = 422 SQ. IN. 422 SQ. IN. / 18 SQ. IN. = 23.5 (18 SQ. IN. VENT PER LIN. FT.)	= 23.5 LIN. FT. REQ. 50 LIN. FT. PROVIDED
SOFFIT VENTS	5.86 X 0.5 = 2.93 SQ. FT. 2.93 SQ. FT. X 144 = 422 SQ. IN. 422 SQ. IN. / 9 SQ. IN. = 47 LIN. FT. (9 SQ. IN. VENT PER LIN. FT.)	= 47 LIN. FT. REQ. 71 LIN. FT. PROVIDED

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

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



ROOF PLAN
SCALE 1/8" = 1'-0"



FRONT ELEVATION C
SCALE: 1/4"=1'-0"

JAMES WENTLING/ ARCHITECT
LAND TITLE BUILDING
100 SOUTH BROAD STREET,
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REVISIONS		
MARK	DATE	DESCRIPTION
DN	08-19-19	MINOR UPDATE
DN	12-03-19	MINOR UPDATE
CH	03-17-20	CLIENT REVISIONS
DN	05-20-20	UPTURNED BEAM - GARAGE
AM	05-10-21	RE-STAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-23-23	MINOR UPDATES

PROJECT NO.	113-62
DATE	06-26-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 2343 - GARAGE RIGHT

CLIENT
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

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ARCHITECT**

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

(215) 568-2551
email - information@
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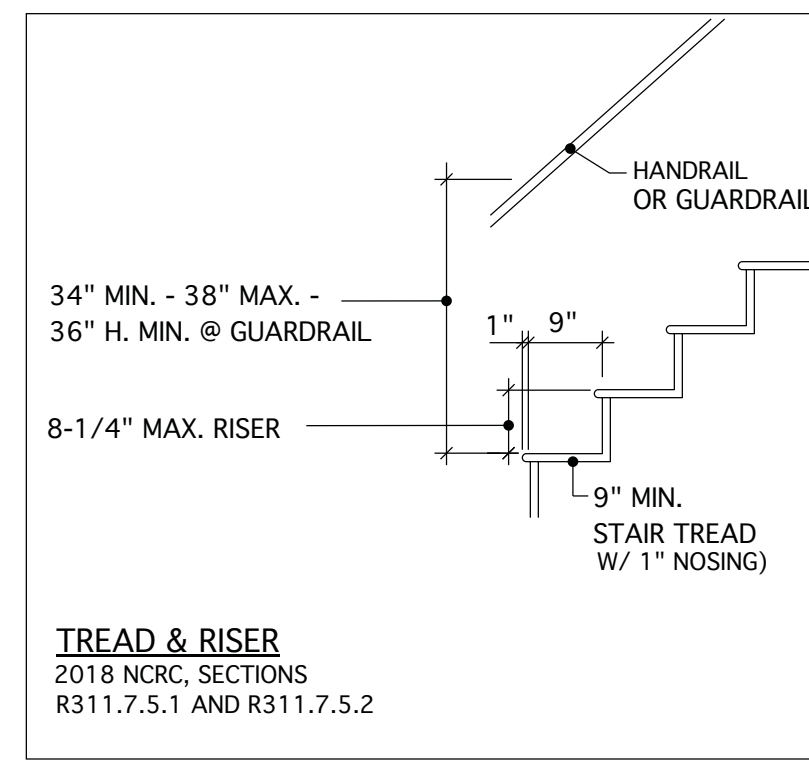
REVISIONS		
MARK	DATE	DESCRIPTION
DN	12-03-19	16 RISERS
CH	03-17-20	17 RISERS/UPDATE
DN	05-20-20	UPTURNED BEAM - GARAGE
AM	05-10-21	RE-STAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-23-23	MINOR UPDATES

PROJECT NO.	113-88
DATE	08-19-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

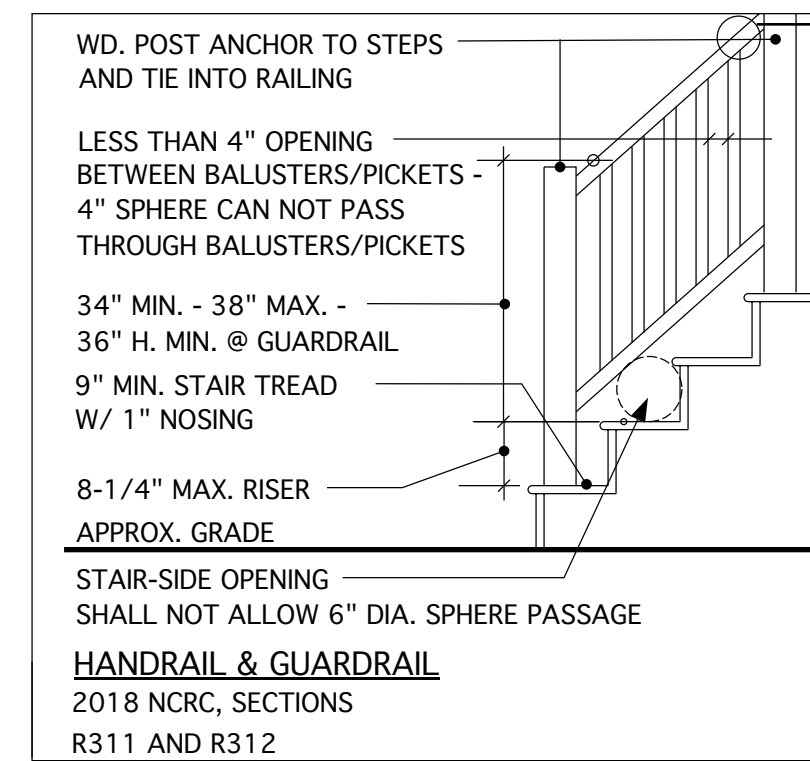
PROJECT TITLE	MODEL 2343 - GARAGE RIGHT
CLIENT	CHESAPEAKE HOMES OF NC 3100 Smoketree Court, Suite 210 Raleigh, NC 27604 (919) 256-3060 (919) 556-0690 Fax

DRAWING TITLE	BUILDING SECTION
---------------	-------------------------

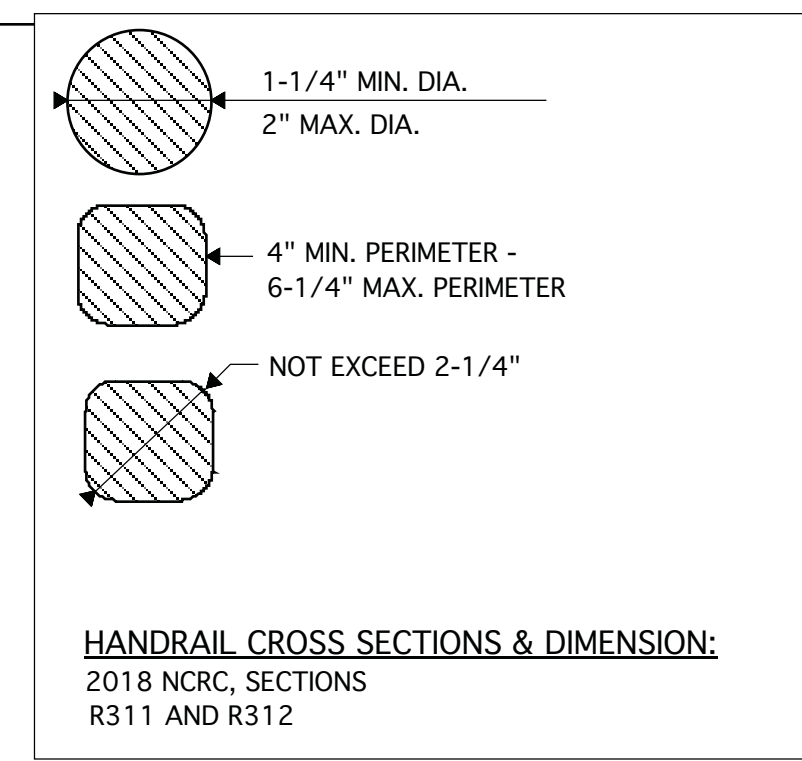
SHEET	5
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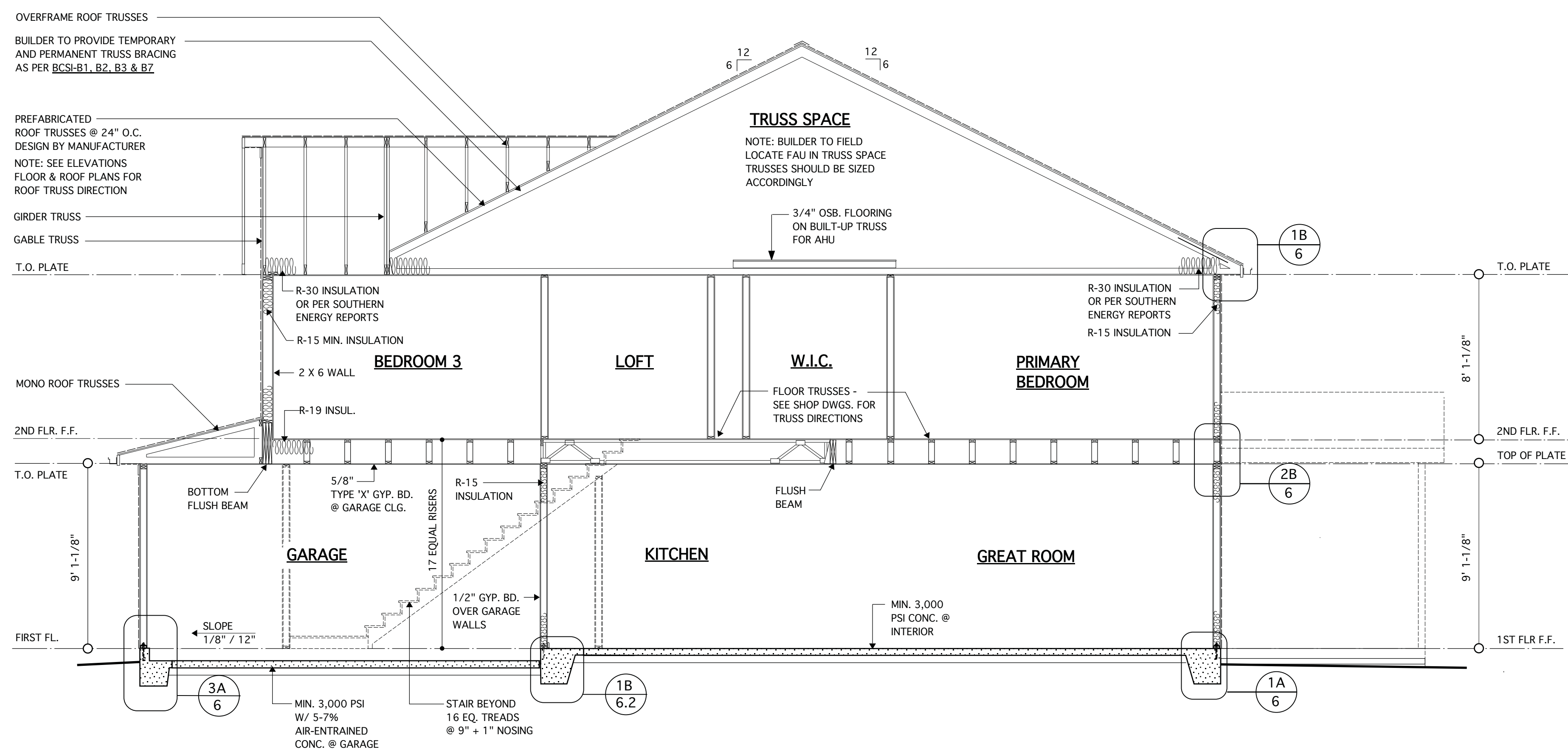
TYP. STAIR SECTION
NO SCALE
ALL STAIR AND GUARD REQUIREMENTS TO COMPLY WITH R-311 AND R312 NCRC 2018



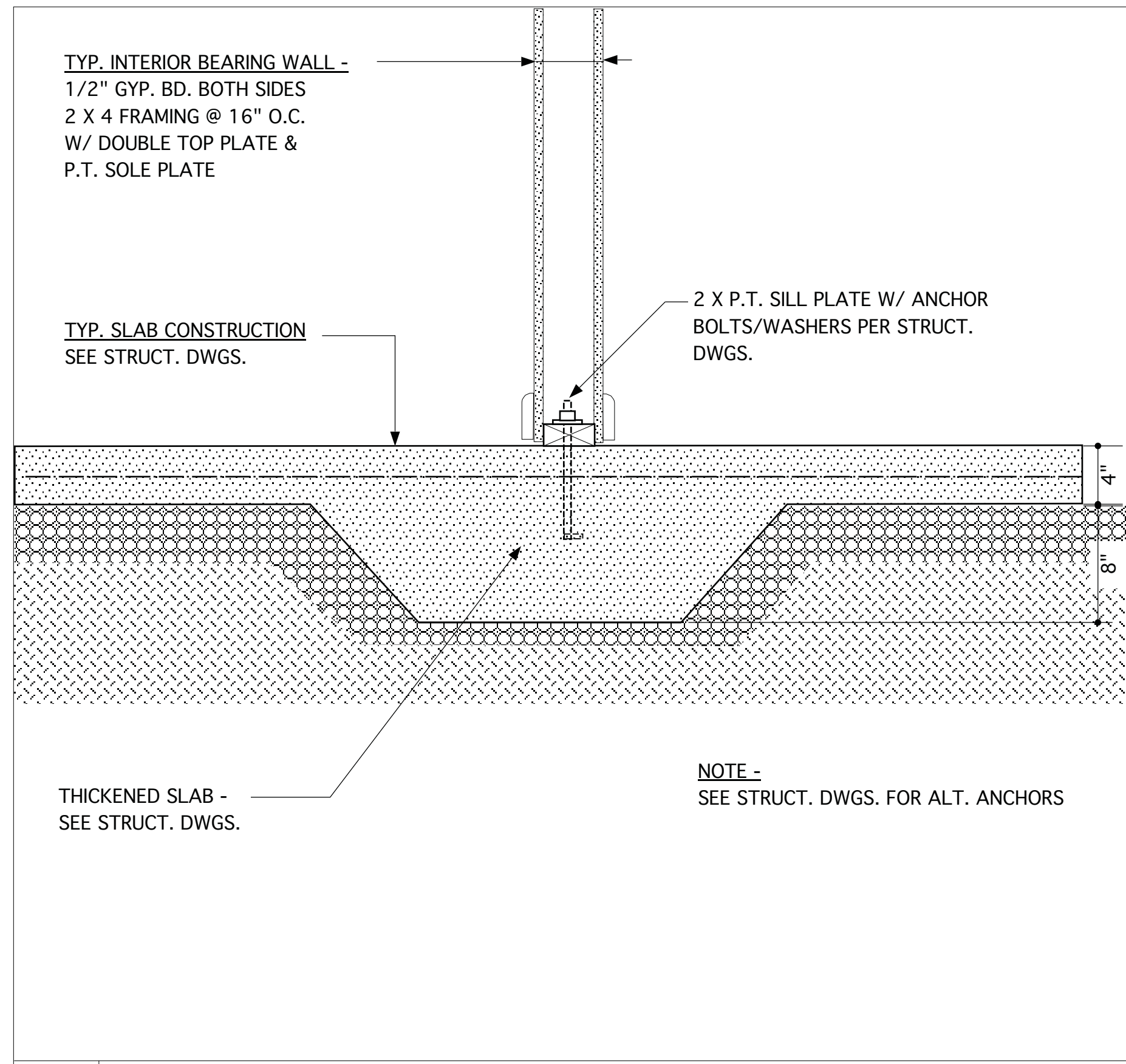
TYPICAL RAILING @ PORCH/DECK
SCALE: 1/2" = 1'-0"
(PROVIDE GUARDRAIL BOTH SIDES WHEN HEIGHT ABOVE GRADE EXCEEDS 30\"/>



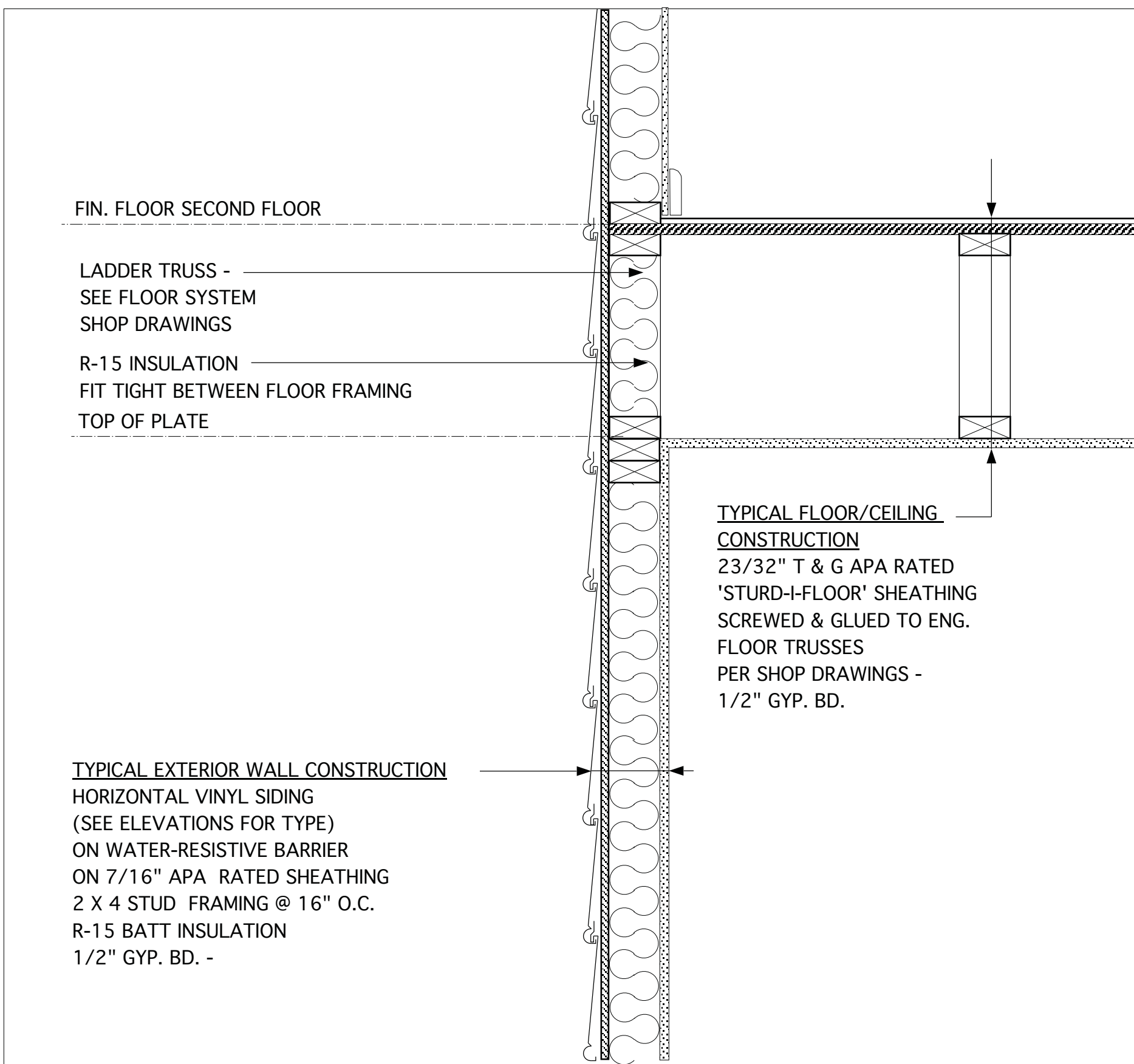
HANDRAIL CROSS SECTIONS & DIMENSION:
2018 NCRC, SECTIONS R311 AND R312



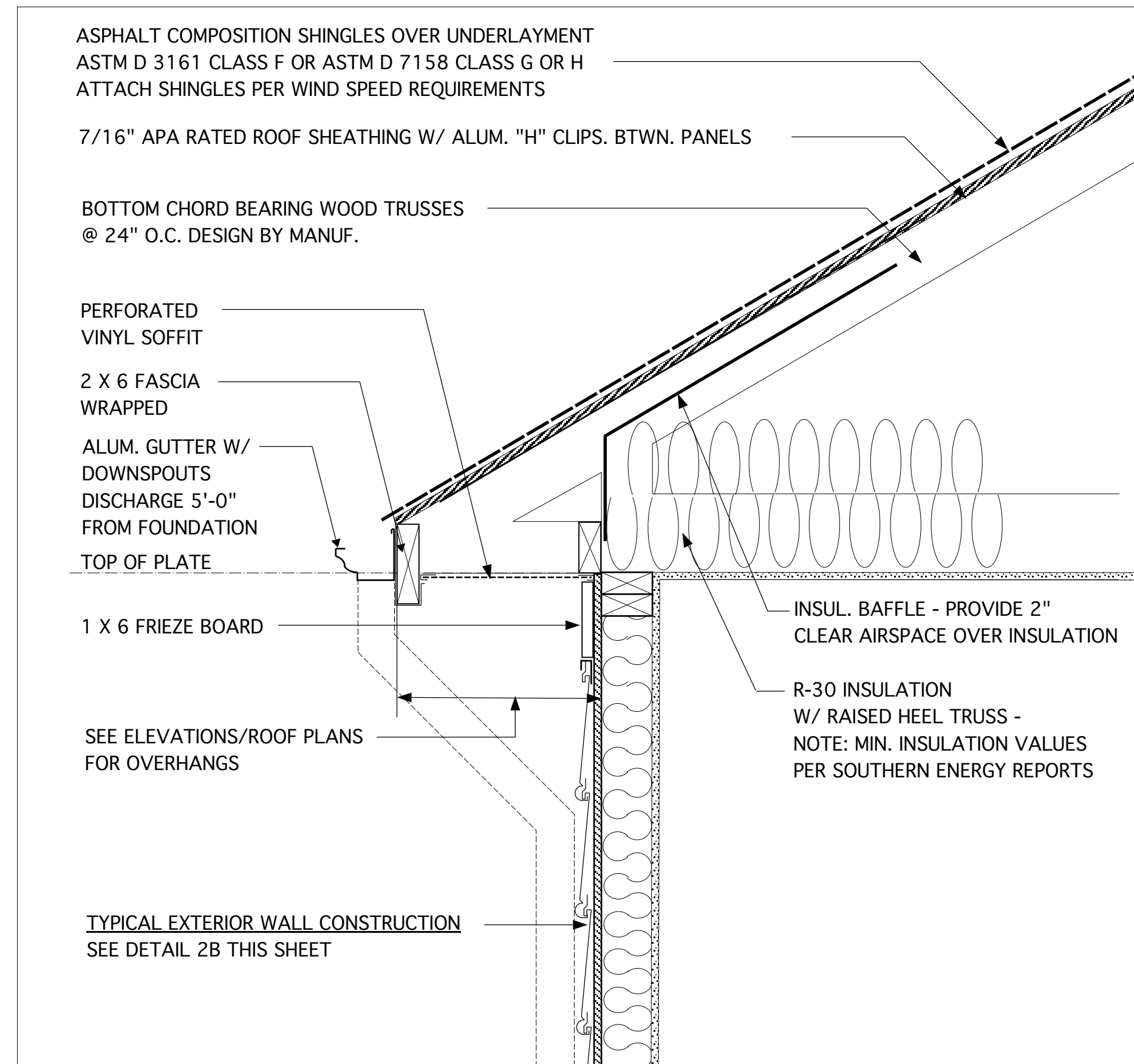
TYPICAL BUILDING SECTION @ MONOLITHIC SLAB @ ELEV. B/C
SCALE: 1/4" = 1'-0"



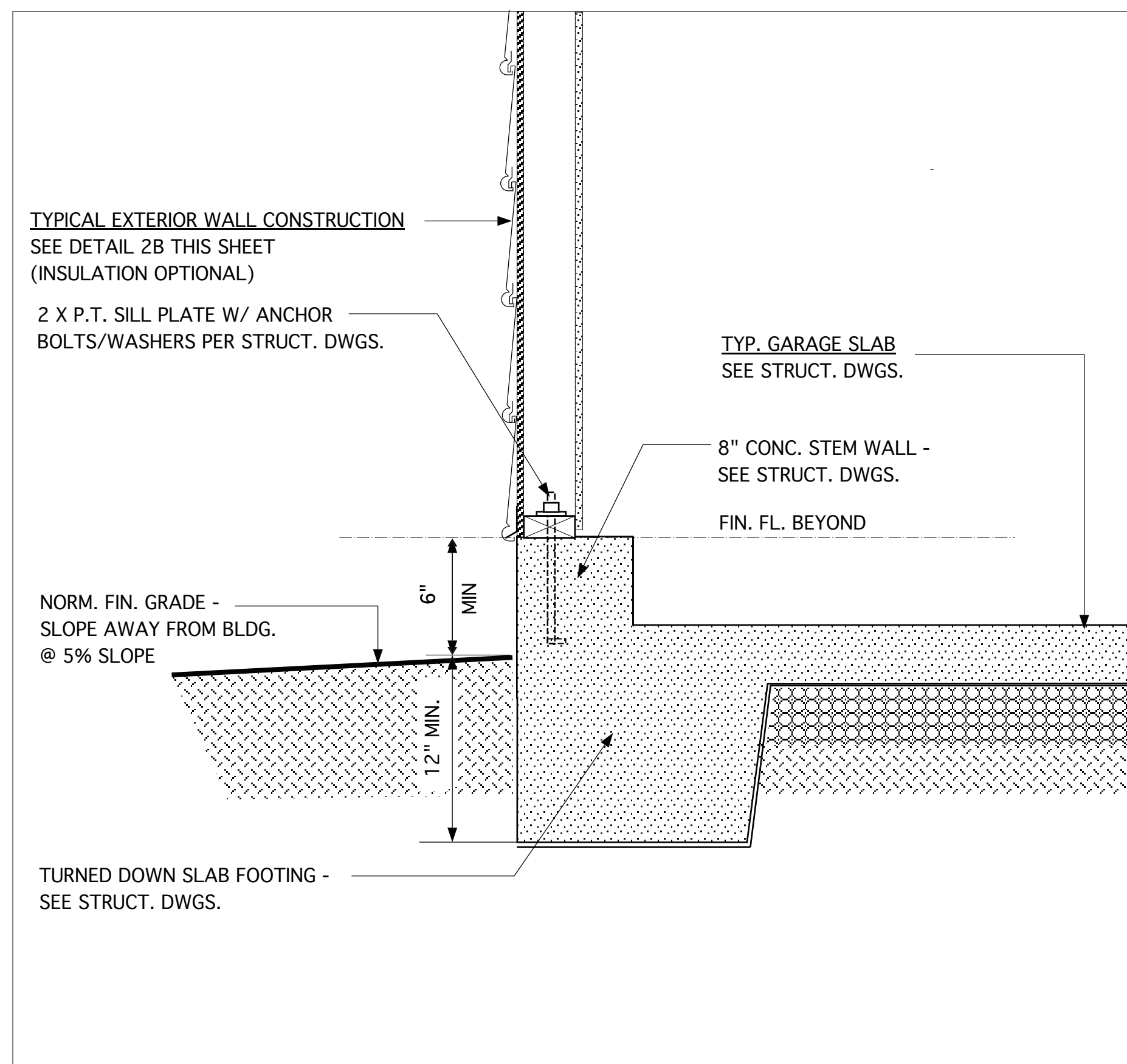
3B FOUNDATION DETAIL @ INTERIOR THICKENED SLAB



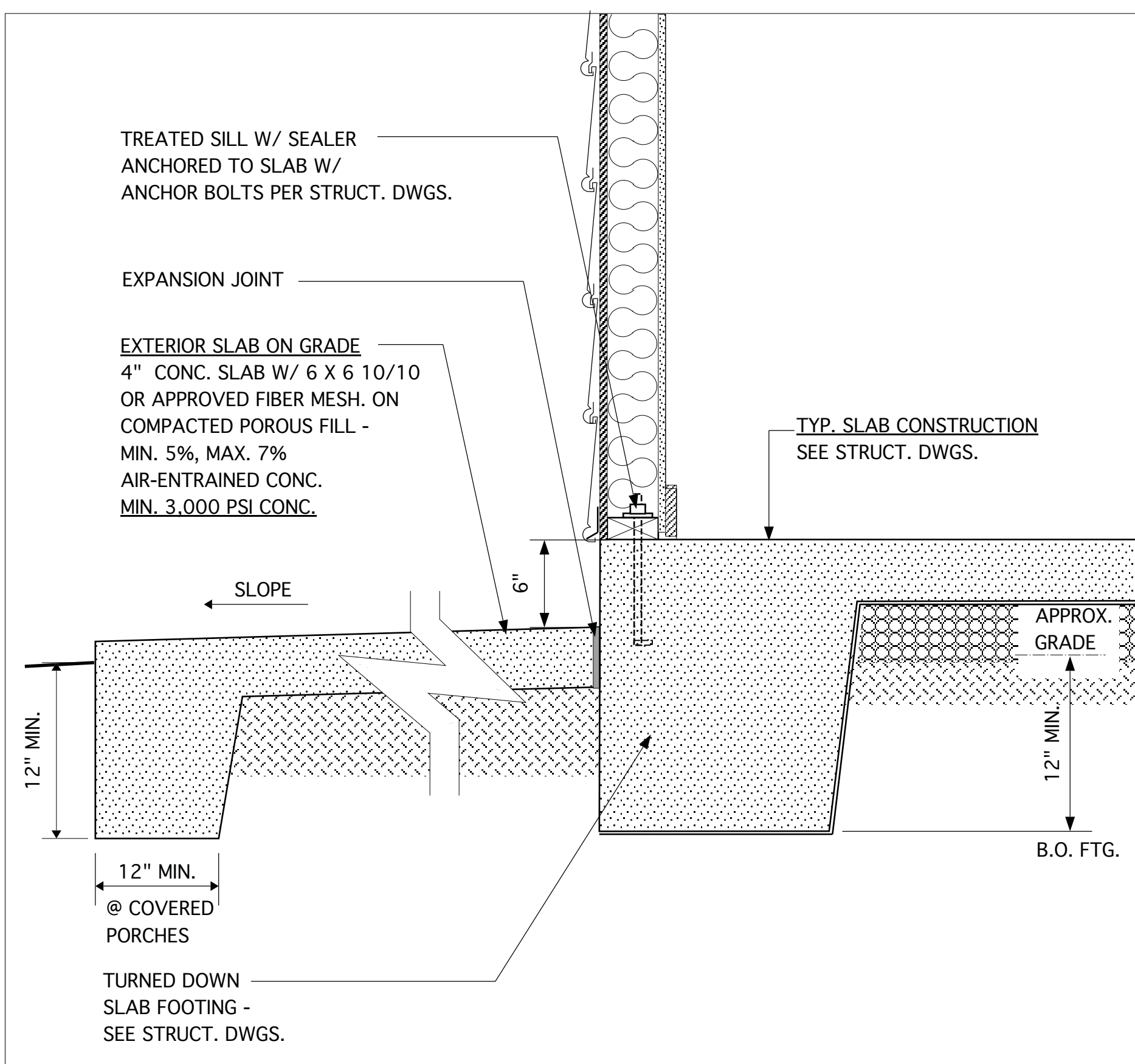
2B TYPICAL FLOOR / WALL DETAIL



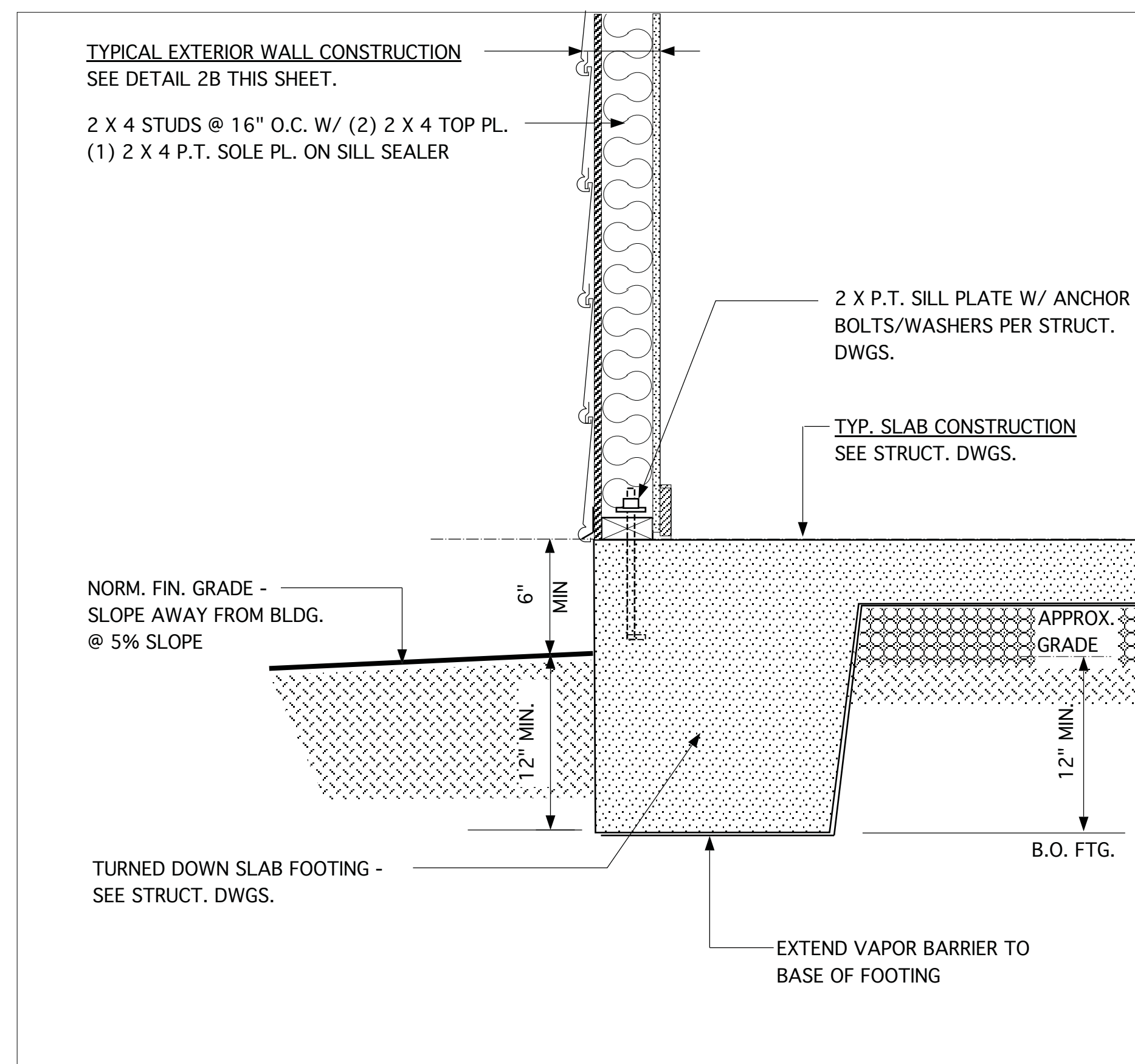
1B TYPICAL SOFFIT DETAIL



3A FOUND. DETAIL @ GARAGE EXTERIOR SIDE WALL



2A FOUND. DETAIL @ PATIO OR REAR COVERED PORCH



1A FOUND. DETAIL @ EXTERIOR WALL

**JAMES WENTLING/
 ARCHITECT**

LAND TITLE BUILDING
 100 SOUTH BROAD STREET,
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(215) 568-2551
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JAMES WALTER WENTLING
 REGISTERED ARCHITECT
 8642
 NORTH CAROLINA
 RALEIGH, N. C.
 3/23/23

REVISIONS		
MARK	DATE	DESCRIPTION
CH	03-17-20	MINOR UPDATE
AM	05-10-21	RE stamps SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD CAR GAR. OPTION

PROJECT NO.
113-88

DATE
08-19-19

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

DRAWN BY
CH

CHECKED BY
JW

ISSUED FOR
PERMITS/CONSTRUCTION

PROJECT TITLE
**MODEL 2343 -
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
**MONOLITHIC SLAB
FOUNDATION, WALL
AND SOFFIT DETAILS**

SHEET
6

**JAMES WENTLING/
ARCHITECT**

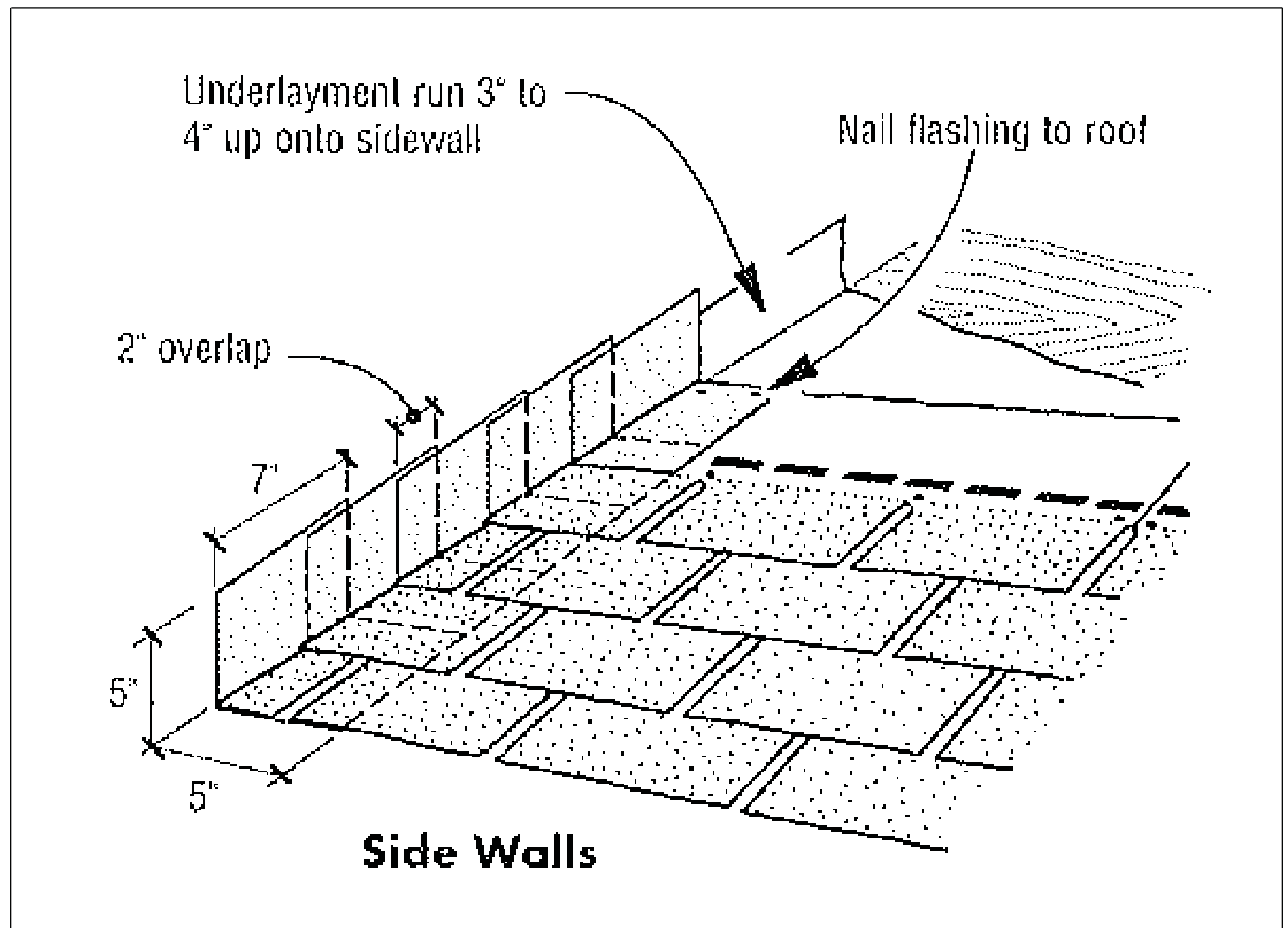
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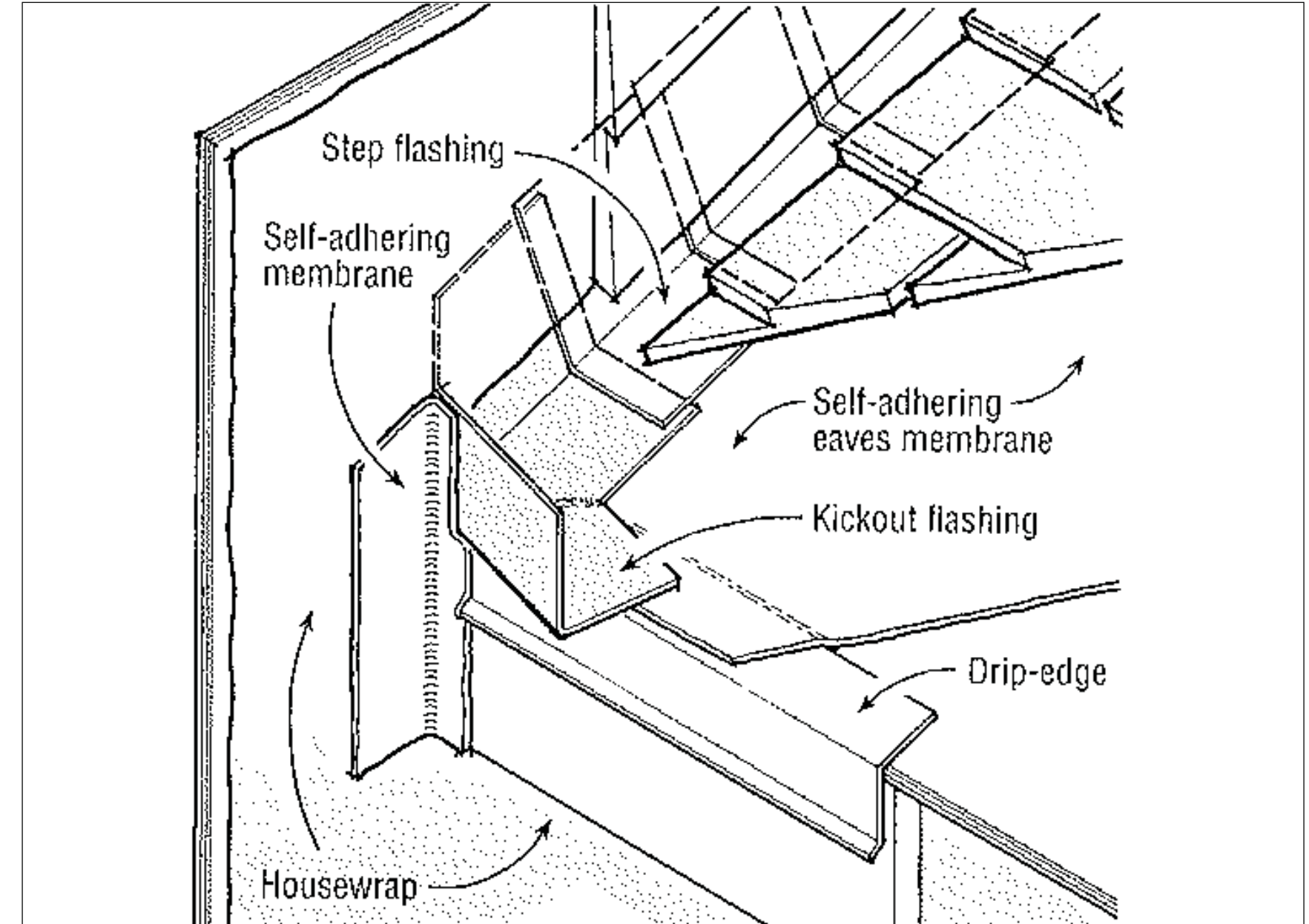
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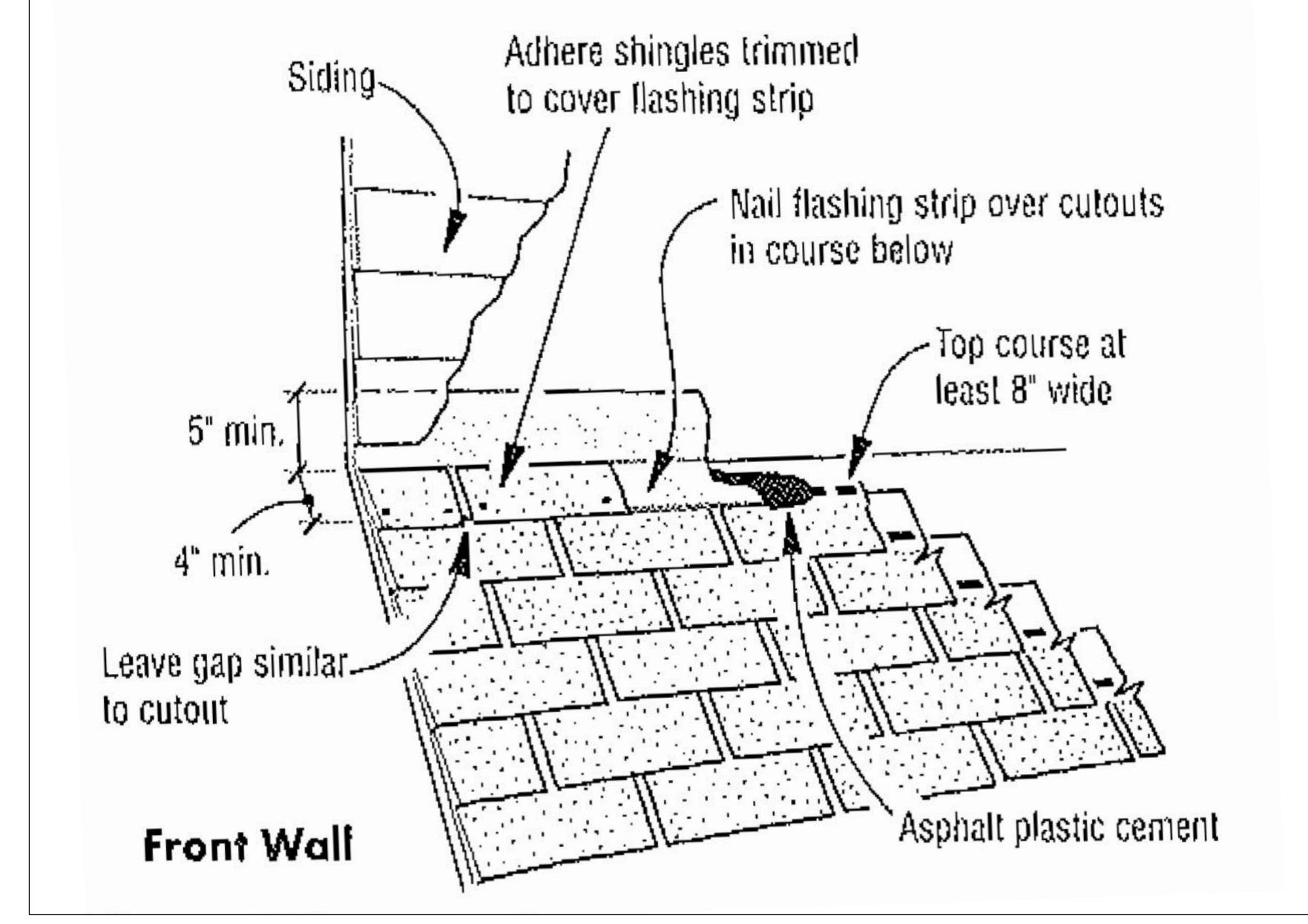
3B ROOF FLASHING AGAINST SIDE WALL DETAIL

N.T.S.



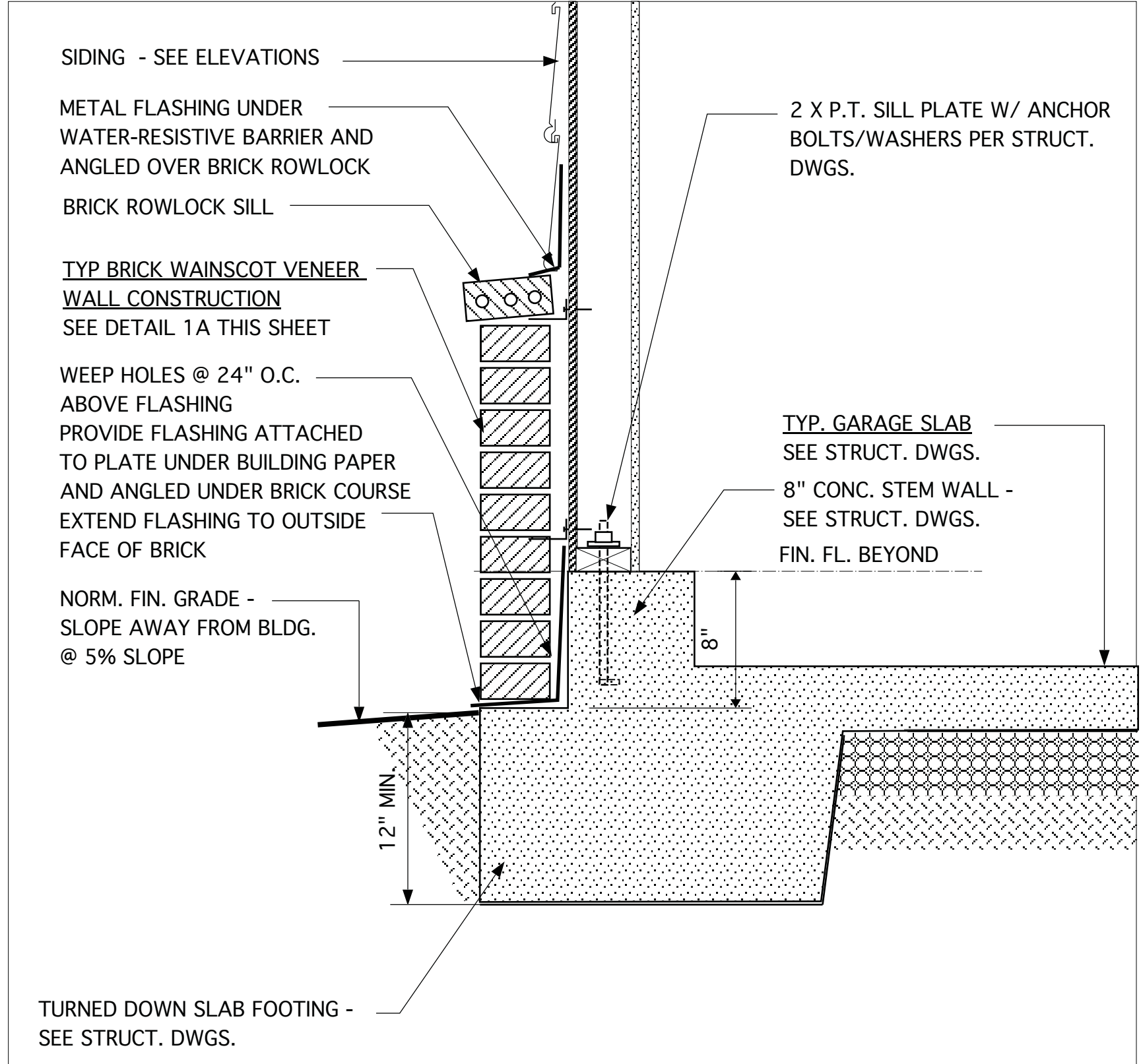
2B KICK-OUT FLASHING DETAIL AT ROOF FASCIA/WALL INTERSECTION

N.T.S.

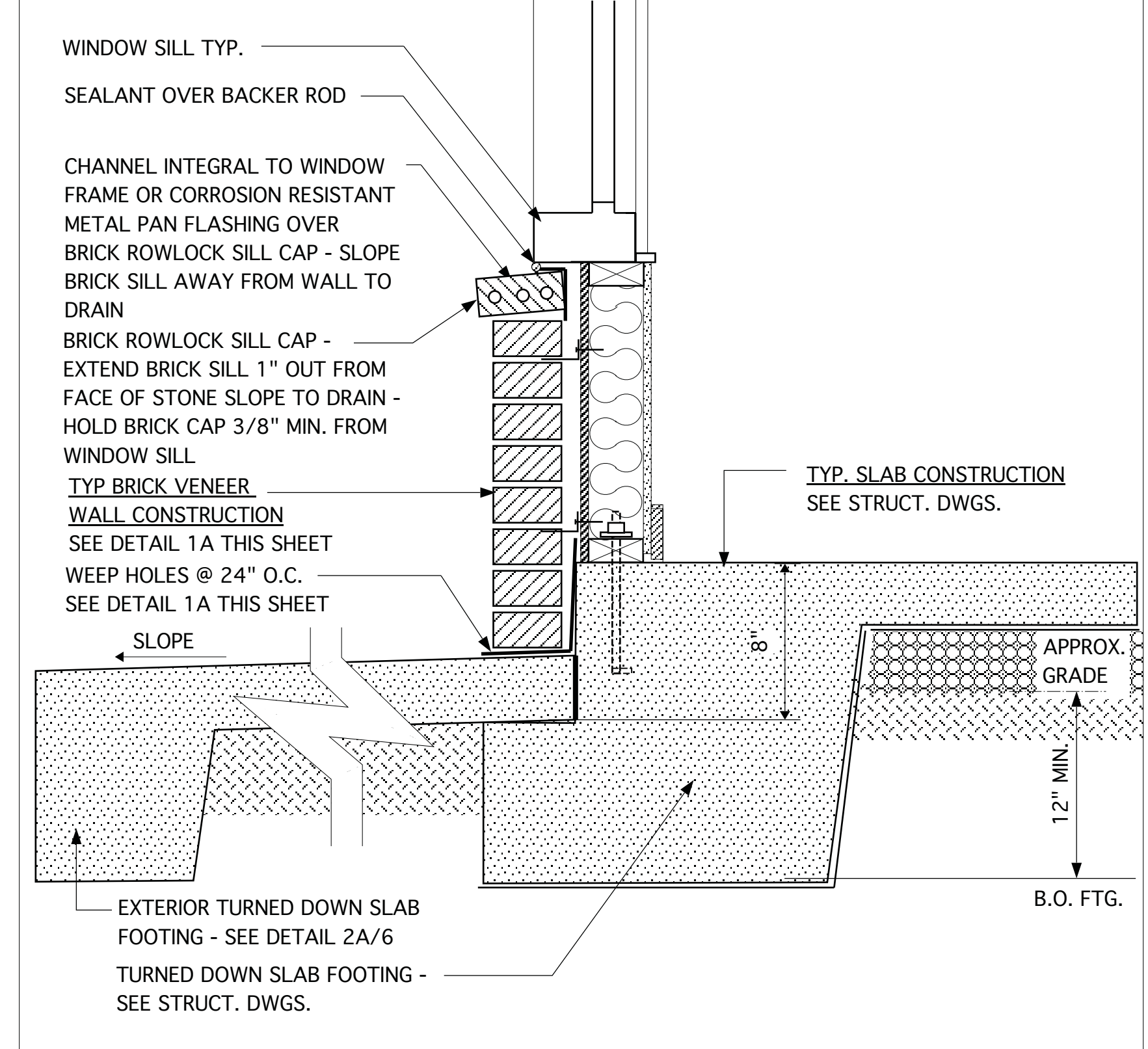


1B ROOF FLASHING AGAINST FRONT WALL DETAIL

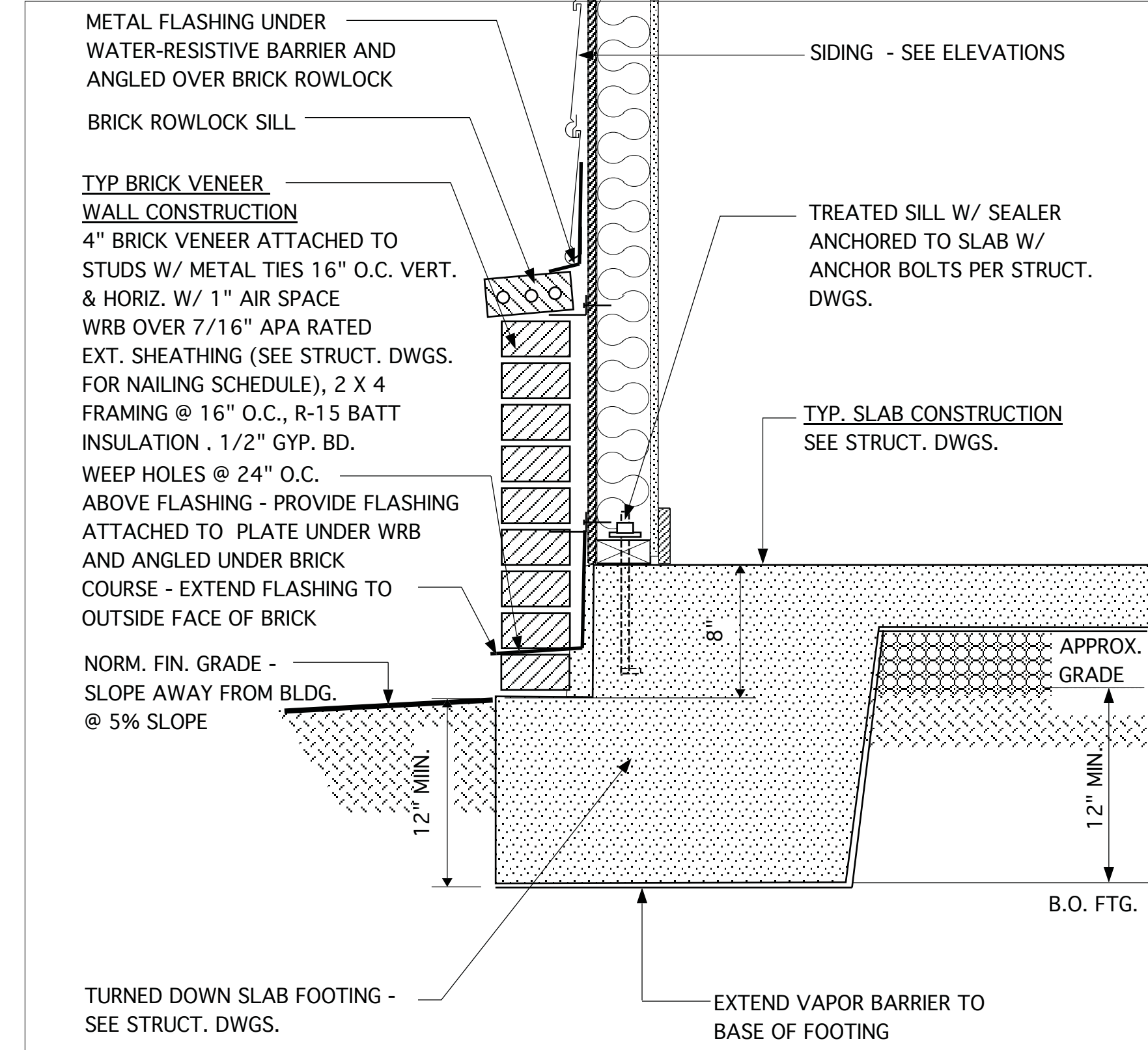
N.T.S.



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

REVISIONS		
MARK	DATE	DESCRIPTION
CH	03-17-20	MINOR UPDATE
AM	05-10-21	RESTAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION

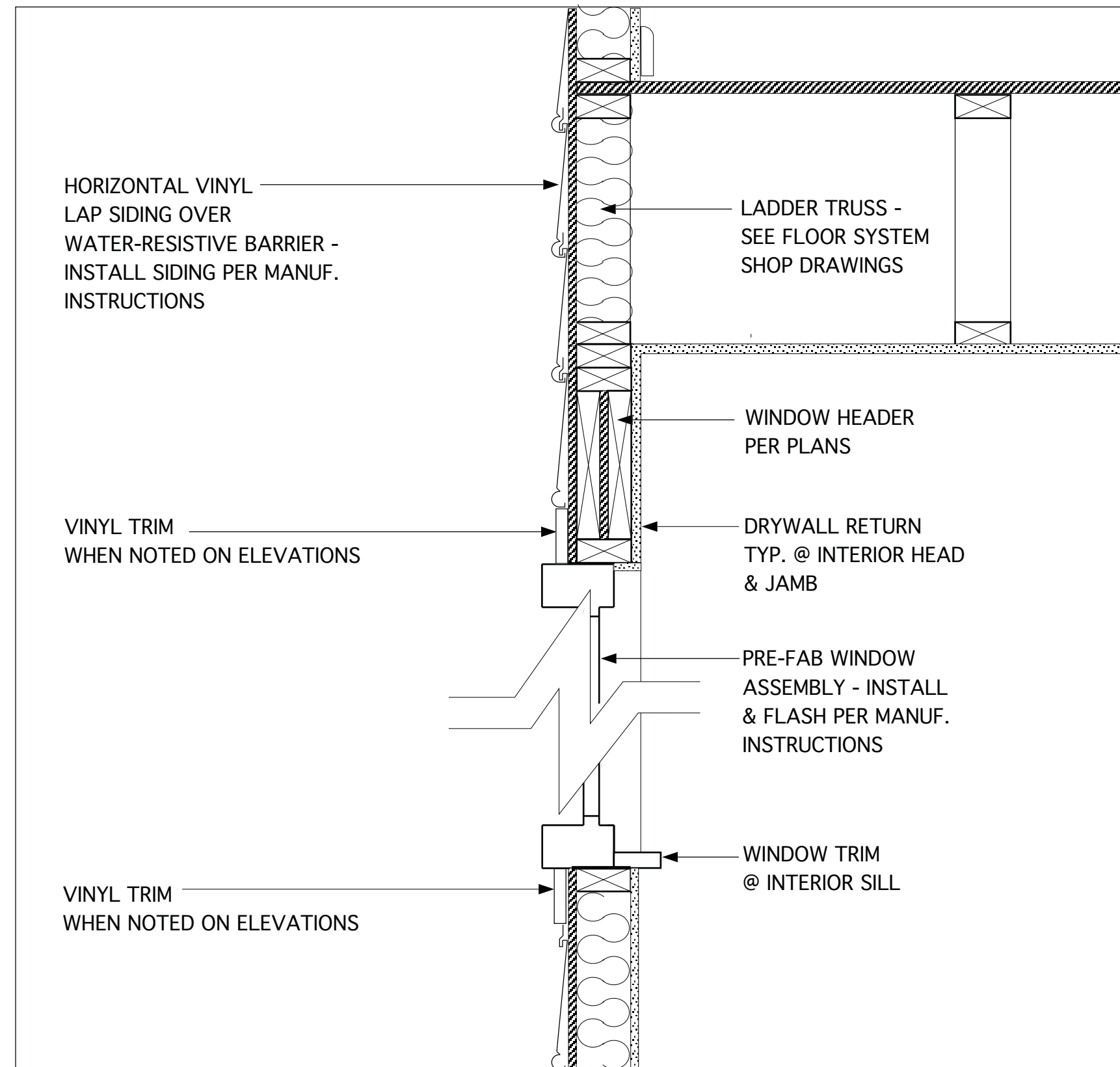
PROJECT NO.	113-88
DATE	08-19-19
SCALE	1-1/2" = 1'-0" U.N.O.
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 2343 - GARAGE RIGHT

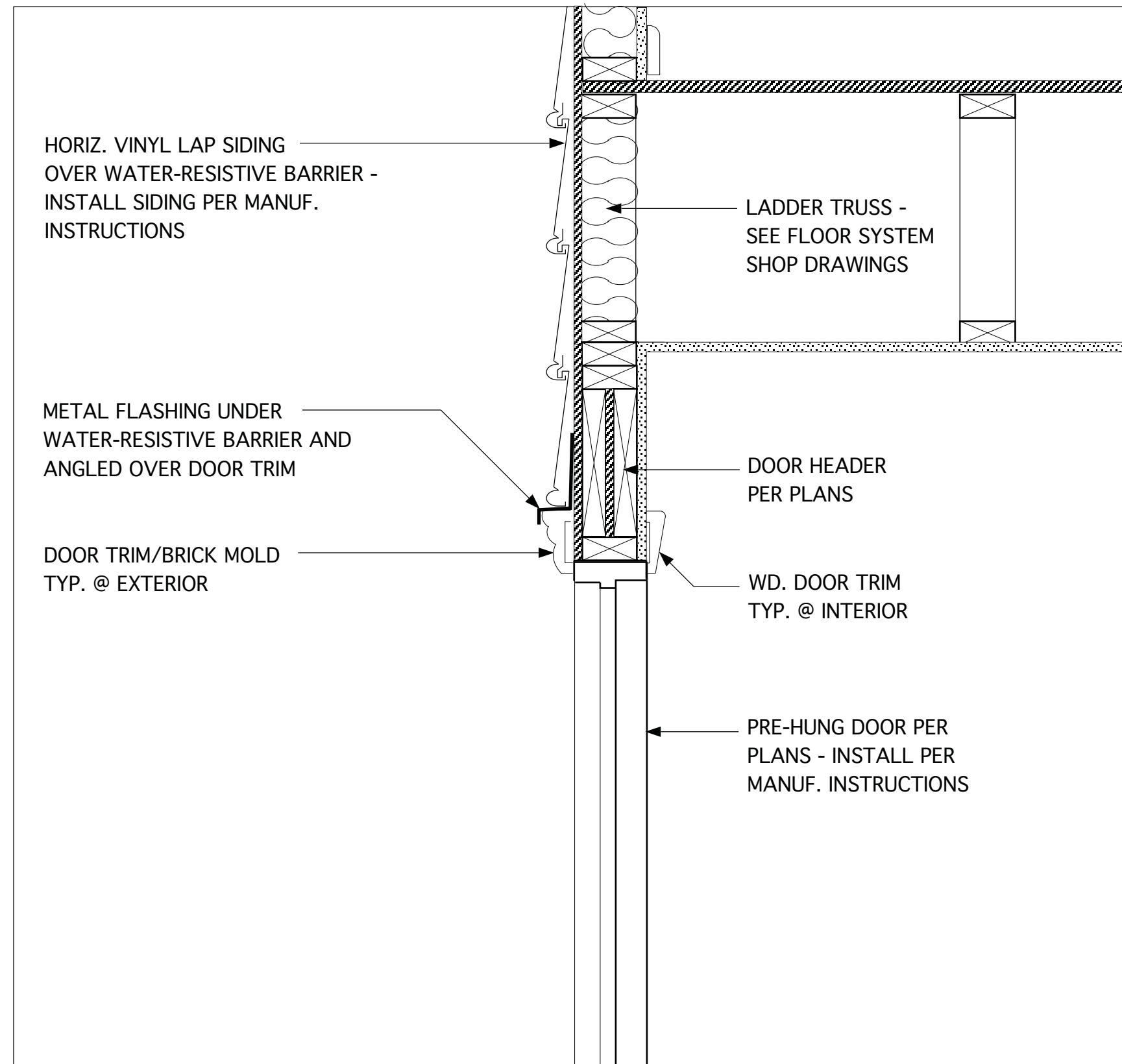
CLIENT
CHESAPEAKE HOMES OF NC
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
MONOLITHIC SLAB FOUNDATION, WALL AND SOFFIT DETAILS

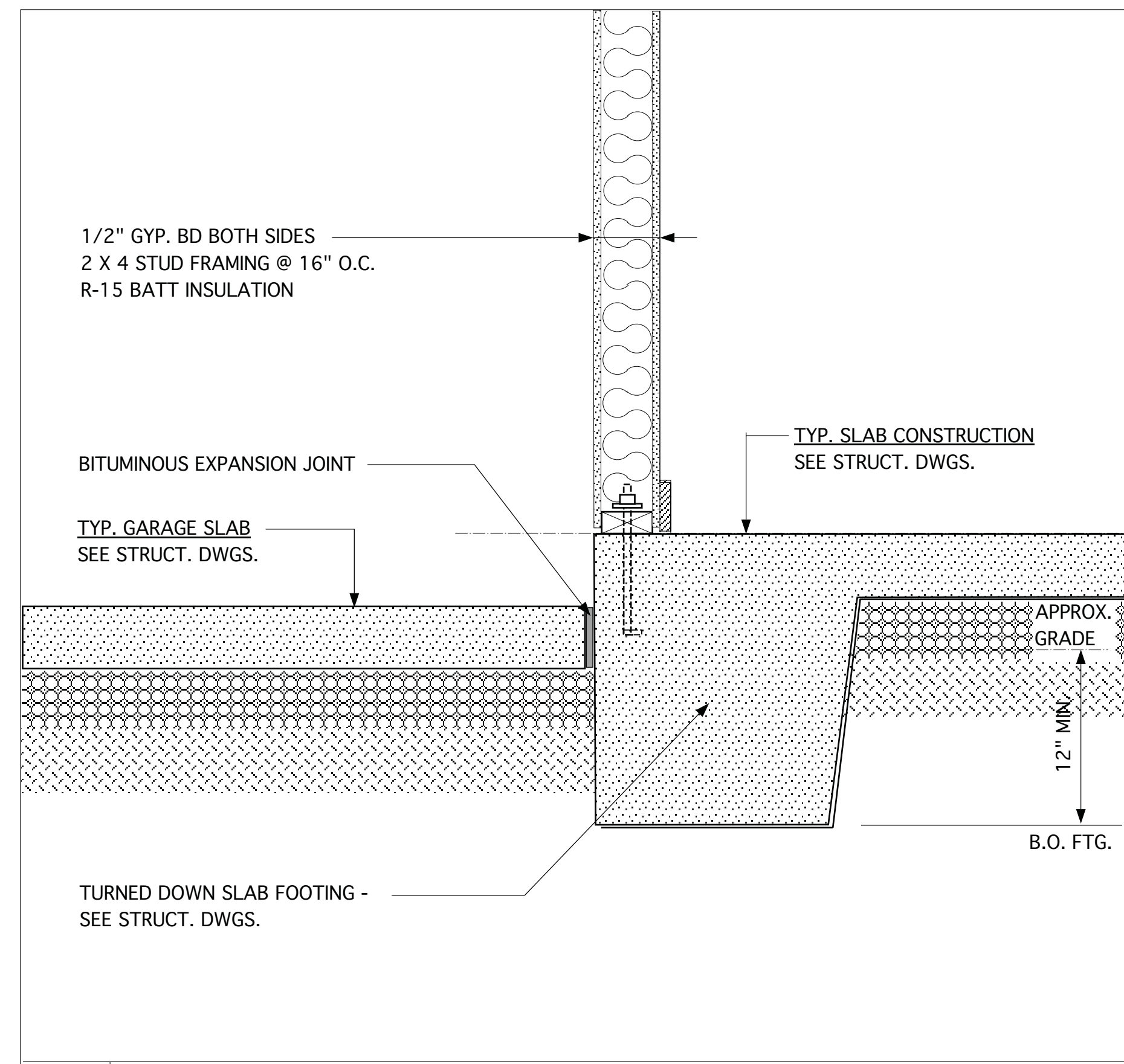
SHEET
6.1



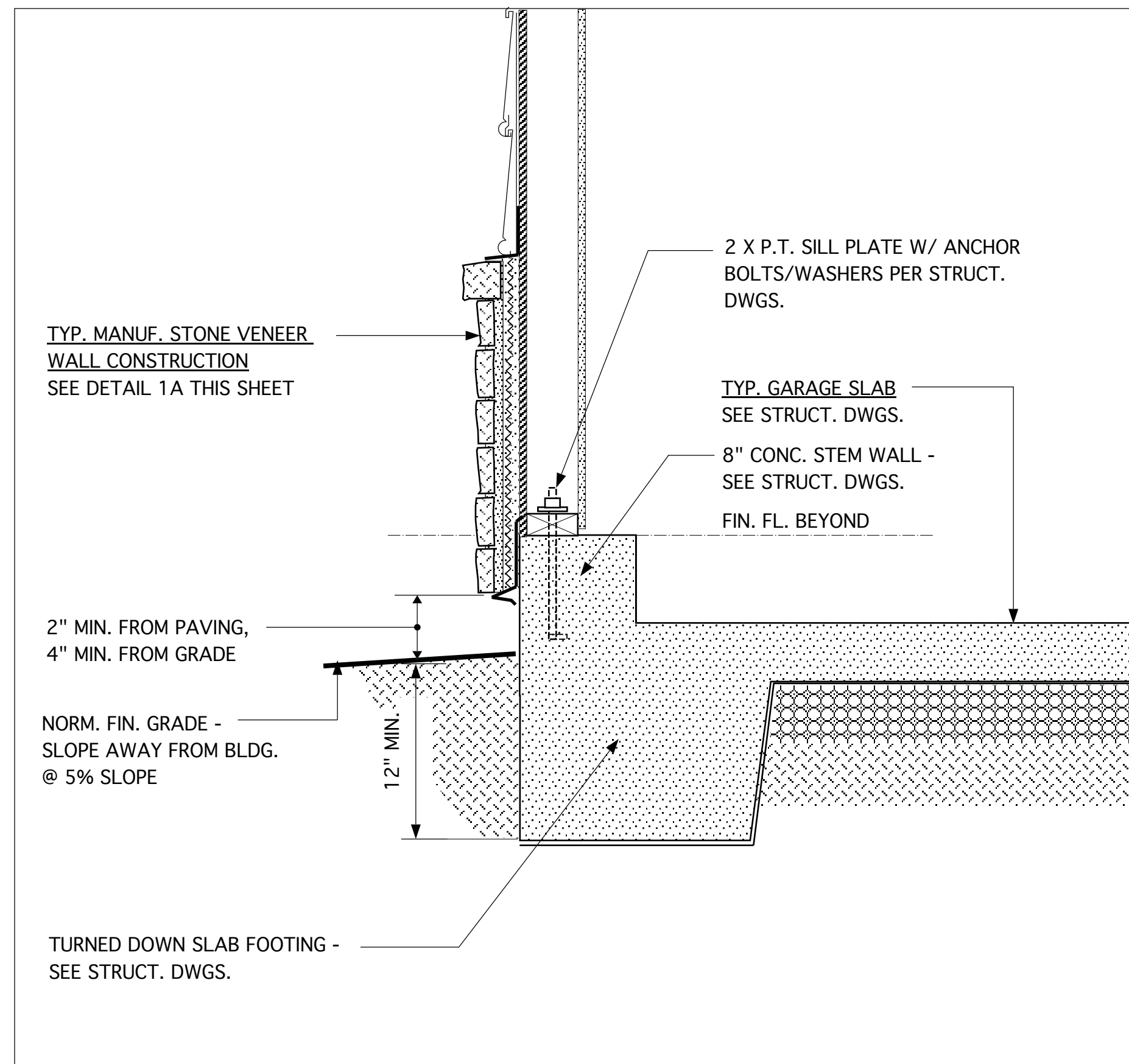
3B WINDOW TRIM & FLASHING DETAIL



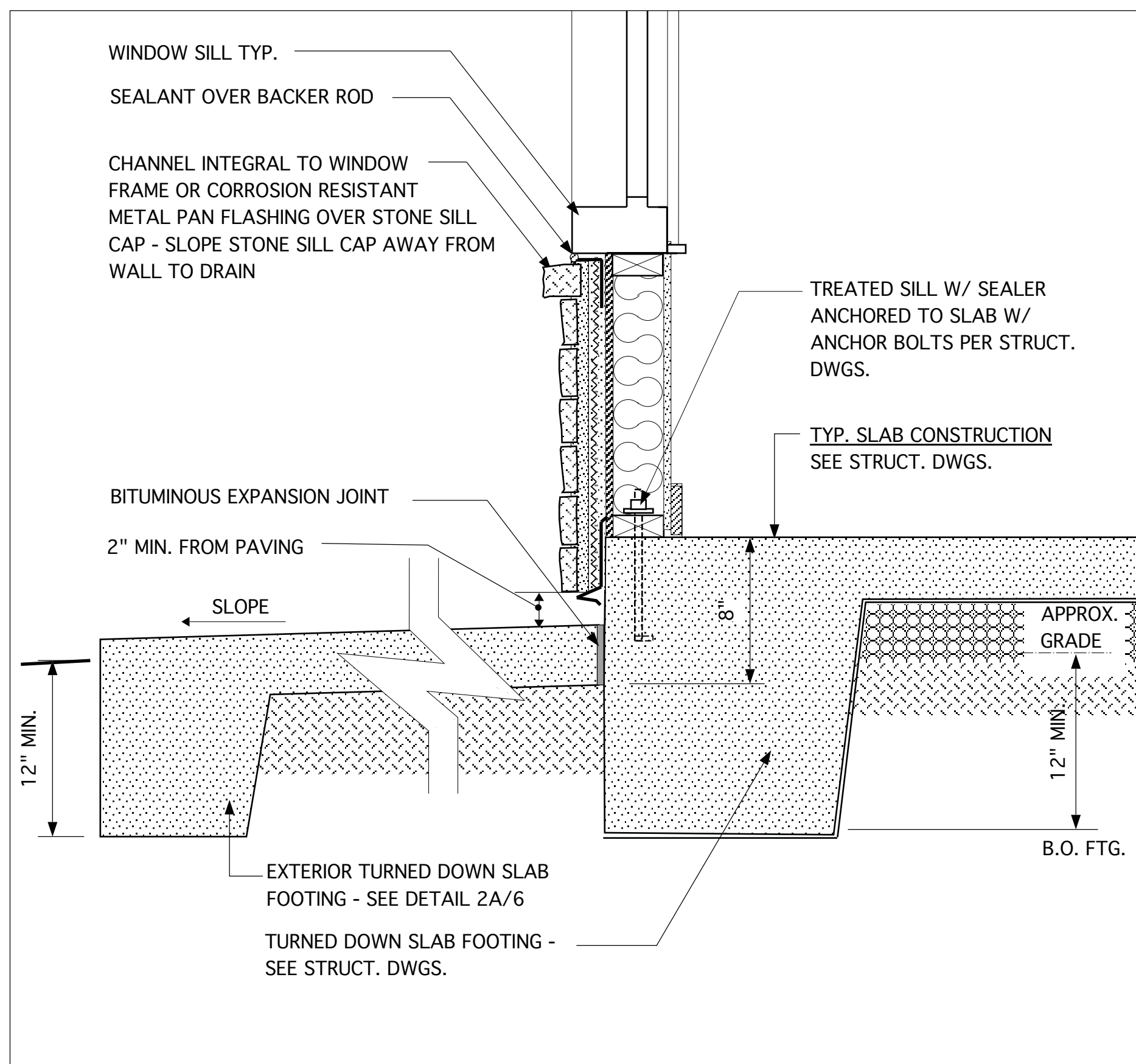
2B DOOR HEAD & FLASHING DETAIL



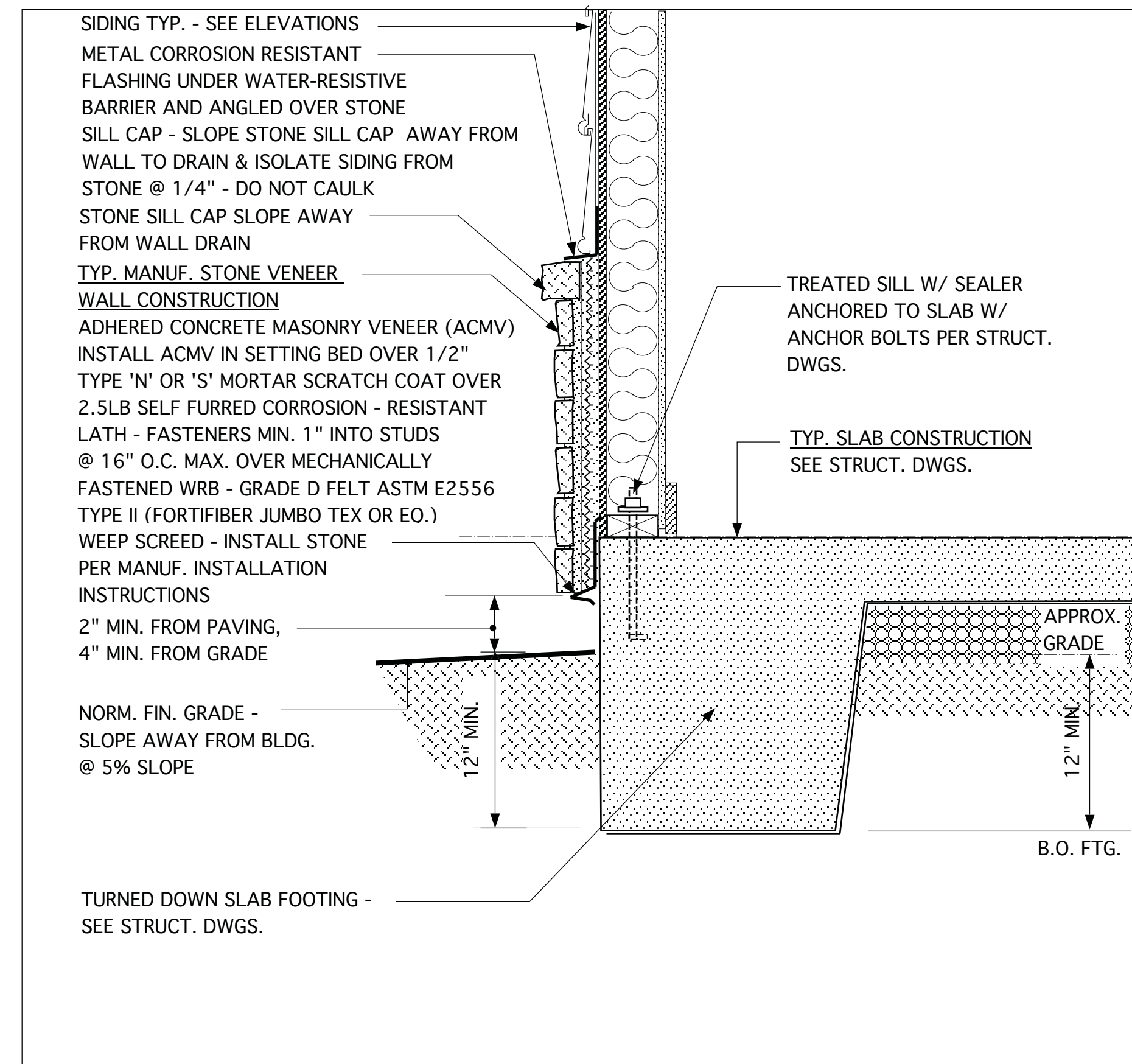
1B DETAIL @ GARAGE & INTERIOR



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



2A FRONT PORCH W/ STONE WAINSCOT VENEER @ WINDOW



1A DETAIL @ EXT. FRONT WALL W / STONE WAINSCOT VENEER

**JAMES WENTLING/
ARCHITECT**

LAND TITLE BUILDING
100 SOUTH BROAD STREET,
SUITE 1524
PHILADELPHIA, PA 19110

(215) 568-2551
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REVISIONS		
MARK	DATE	DESCRIPTION
CH	03-17-20	MINOR UPDATE
AM	05-10-21	RESTAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD CAR GAR. OPTION

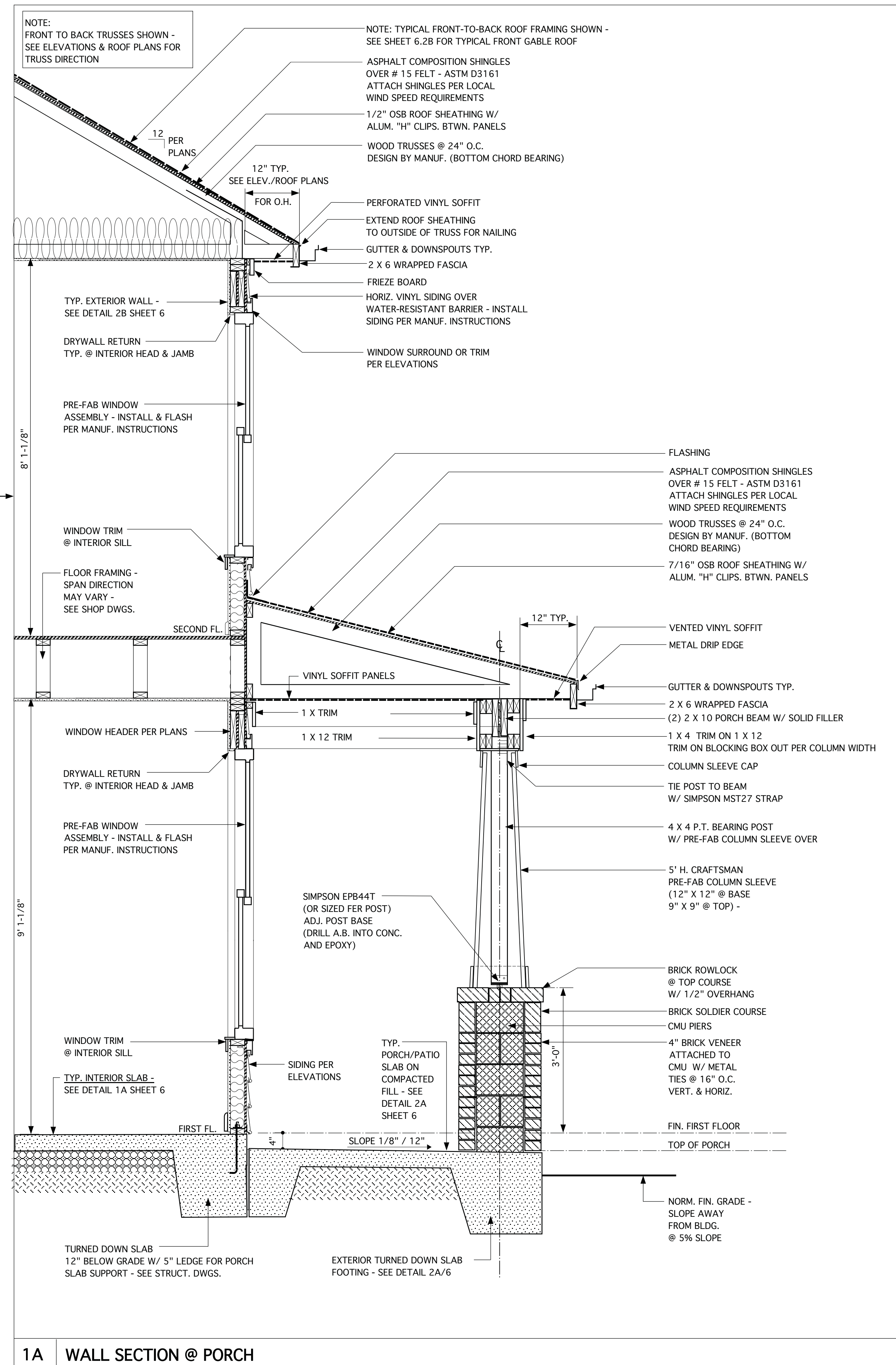
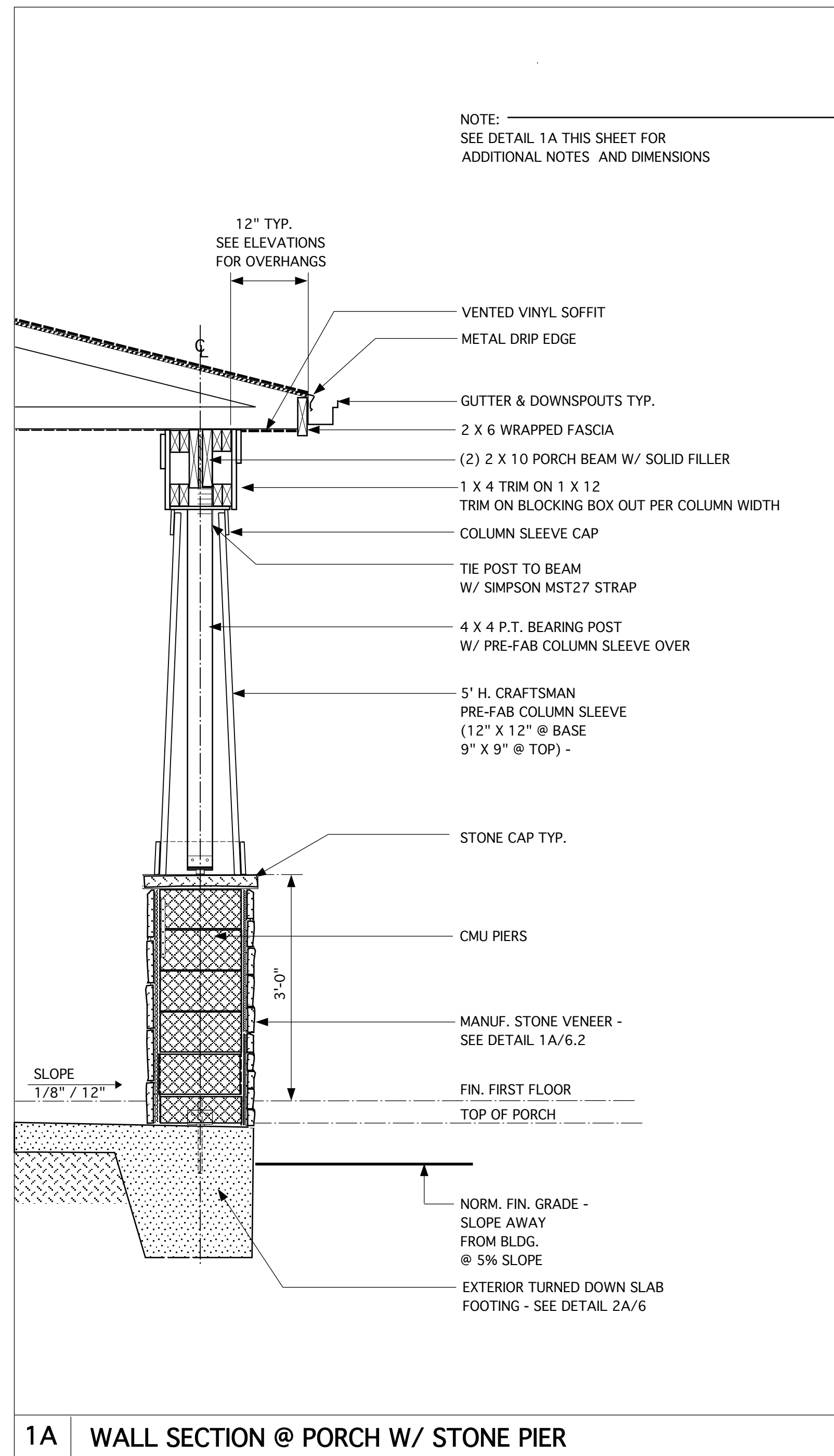
PROJECT NO.	113-88
DATE	08-19-19
SCALE	1-1/2" = 1'-0"
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
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Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

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

SHEET
6.2



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100 SOUTH BROAD STREET,
SUITE 1524
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JAMES WALTER WENTLING
REGISTERED ARCHITECT
#642
NORTH CAROLINA
RALEIGH, N. C.
9/23/23

REVISIONS		
MARK	DATE	DESCRIPTION
CH	03-17-20	MINOR UPDATE
AM	05-10-21	RESTAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-23-23	MINOR UPDATE

PROJECT NO. 113-88
DATE 08-19-19
SCALE 3/4" = 1'-0"
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CHECKED BY JW
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Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
**ELEVATION A -
DETAILS**

SHEET
6.2A

**JAMES WENTLING/
ARCHITECT**

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REVISIONS		
MARK	DATE	DESCRIPTION
CH	03-17-20	MINOR UPDATE
AM	05-10-21	RESTAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-23-23	MINOR UPDATE

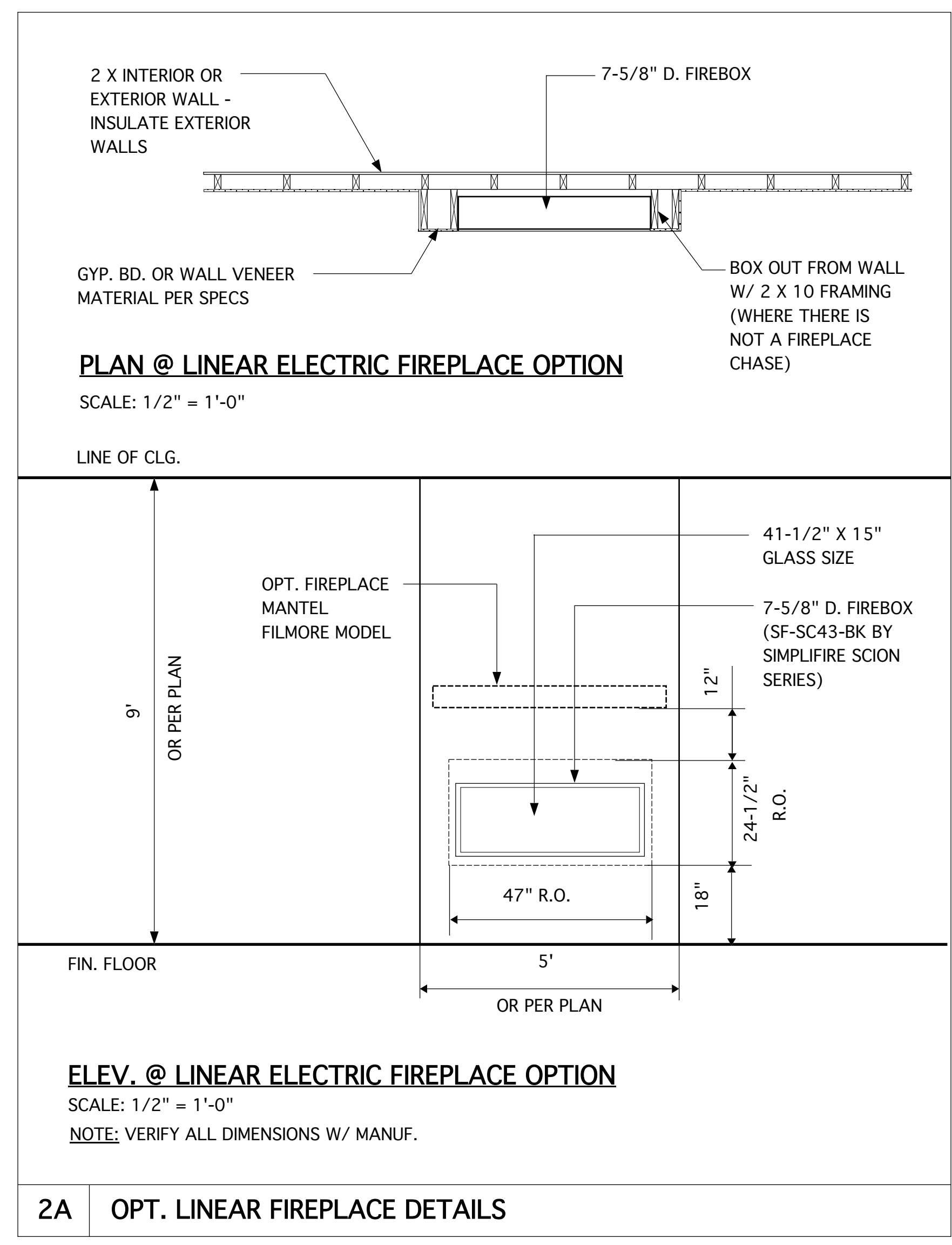
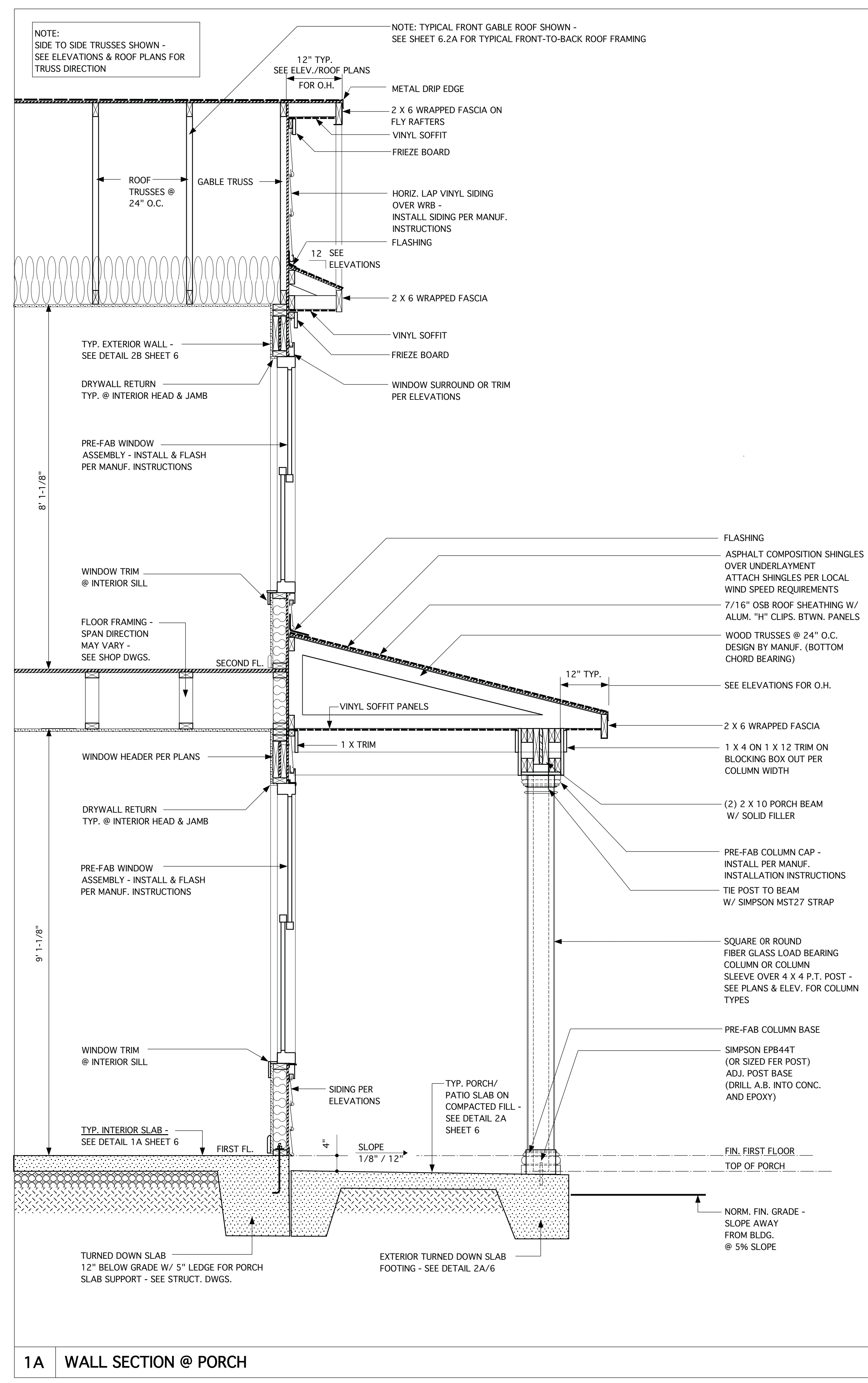
PROJECT NO.	113-88
DATE	08-19-19
SCALE	3/4" = 1'-0" U.N.O.
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

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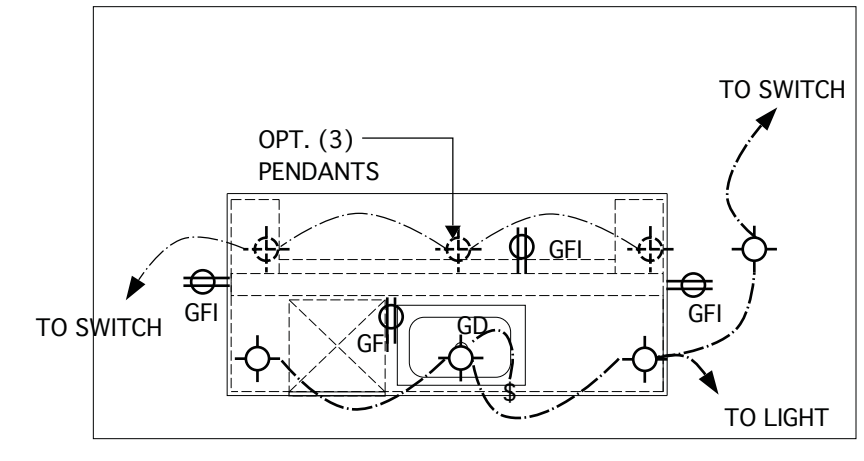
DRAWING TITLE
ELEVATION B/C - DETAILS

SHEET
6.2B

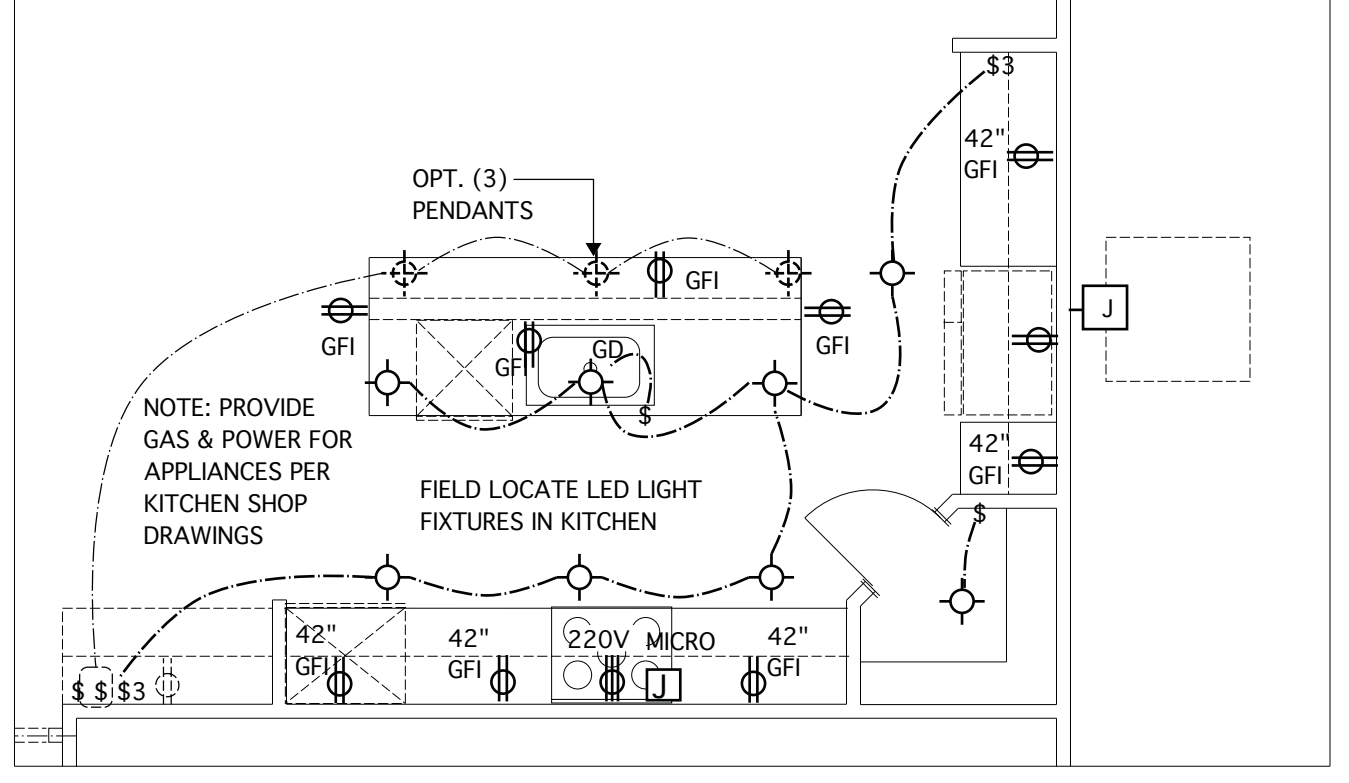


1A WALL SECTION @ PORCH

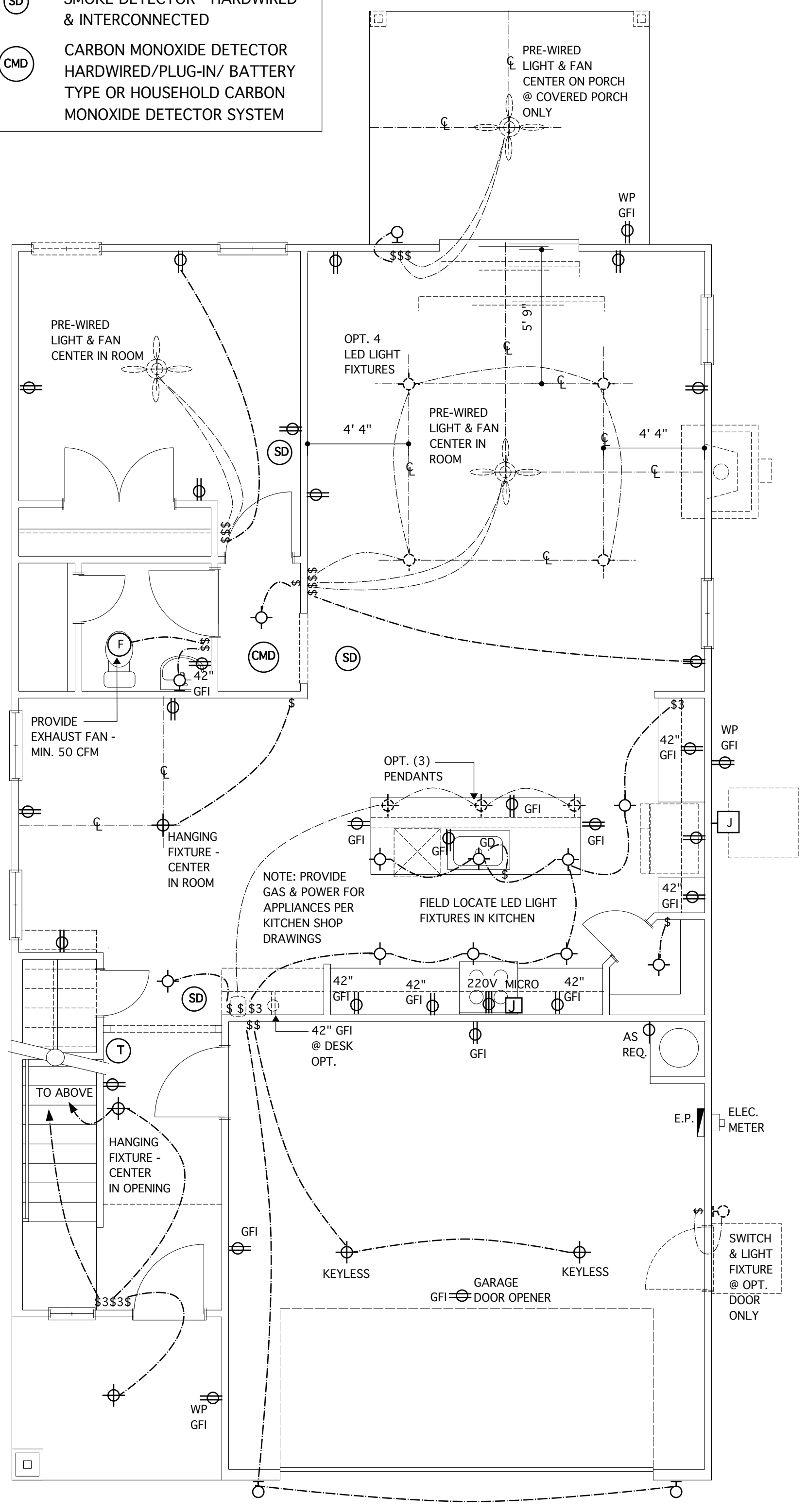
- SINGLE RECEPTACLE OUTLET
- ⊖ DUPLEX RECEPTACLE OUTLET
- GFI ⊖ DUPLEX RECEPTACLE OUTLET -GROUND FAULT INTERRUPTER
- ⊖ DUPLEX RECEPTACLE OUTLET-SPLIT WIRED
- 220V ⊖ OUTLET
- WP GFI ⊖ WEATHER-PROTECTED EXTERIOR OUTLET WITH IN-USE COVER & GFI PROTECTED
- \$ SWITCH
- \$3 THREE WAY SWITCH
- 48 CIRCUIT BREAK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



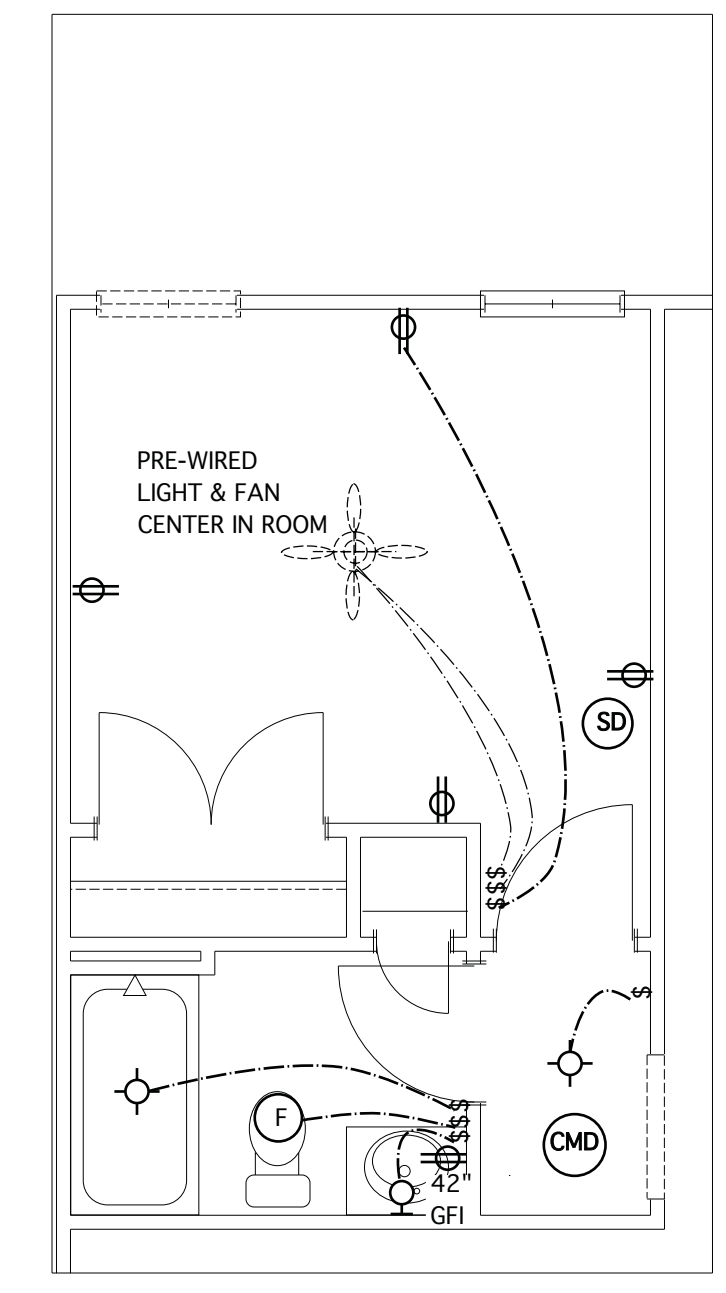
@ OPT. GOURMET KITCHEN ISLAND
SCALE 1/4" = 1'-0"



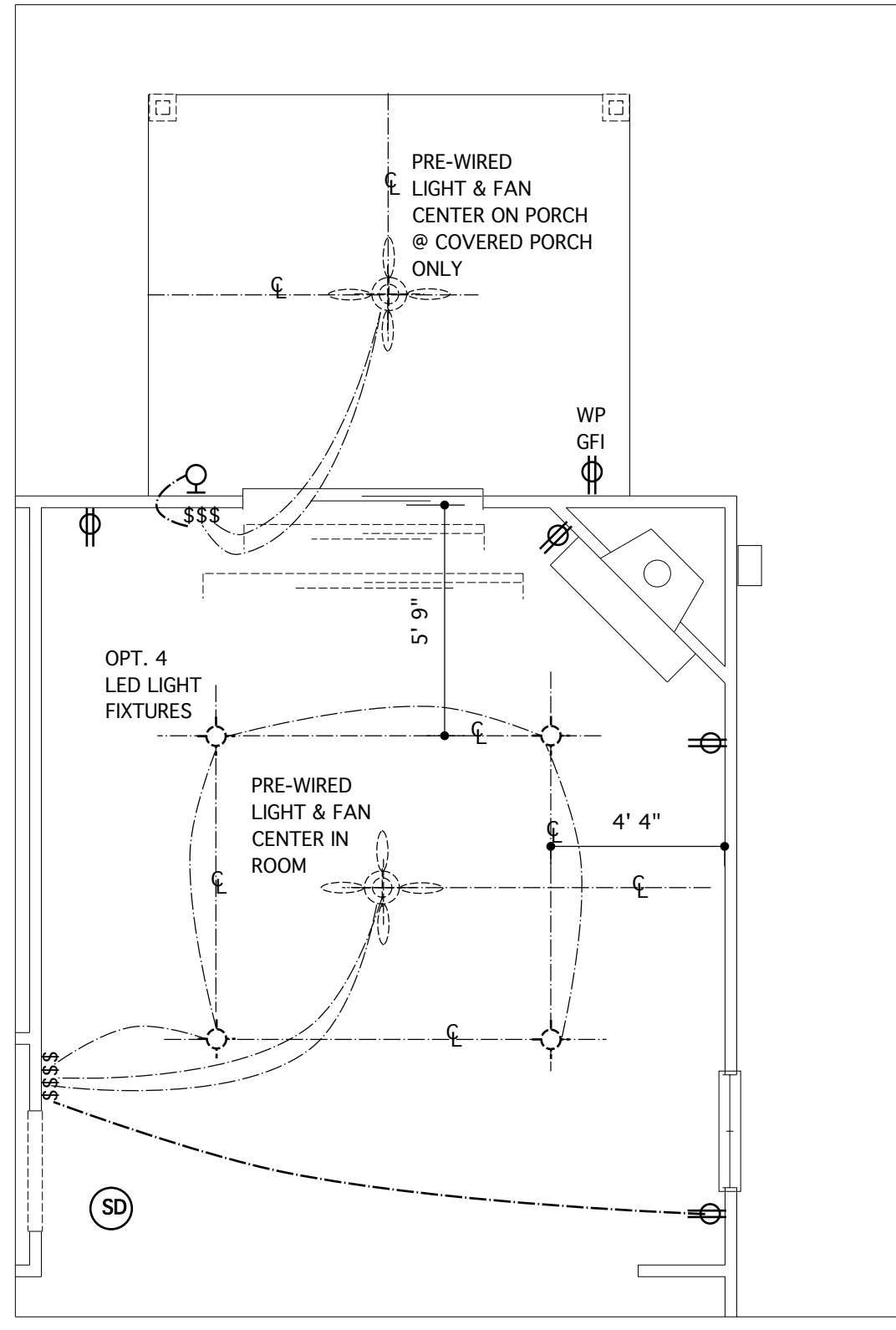
@ OPT. GOURMET KITCHEN
SCALE 1/4" = 1'-0"



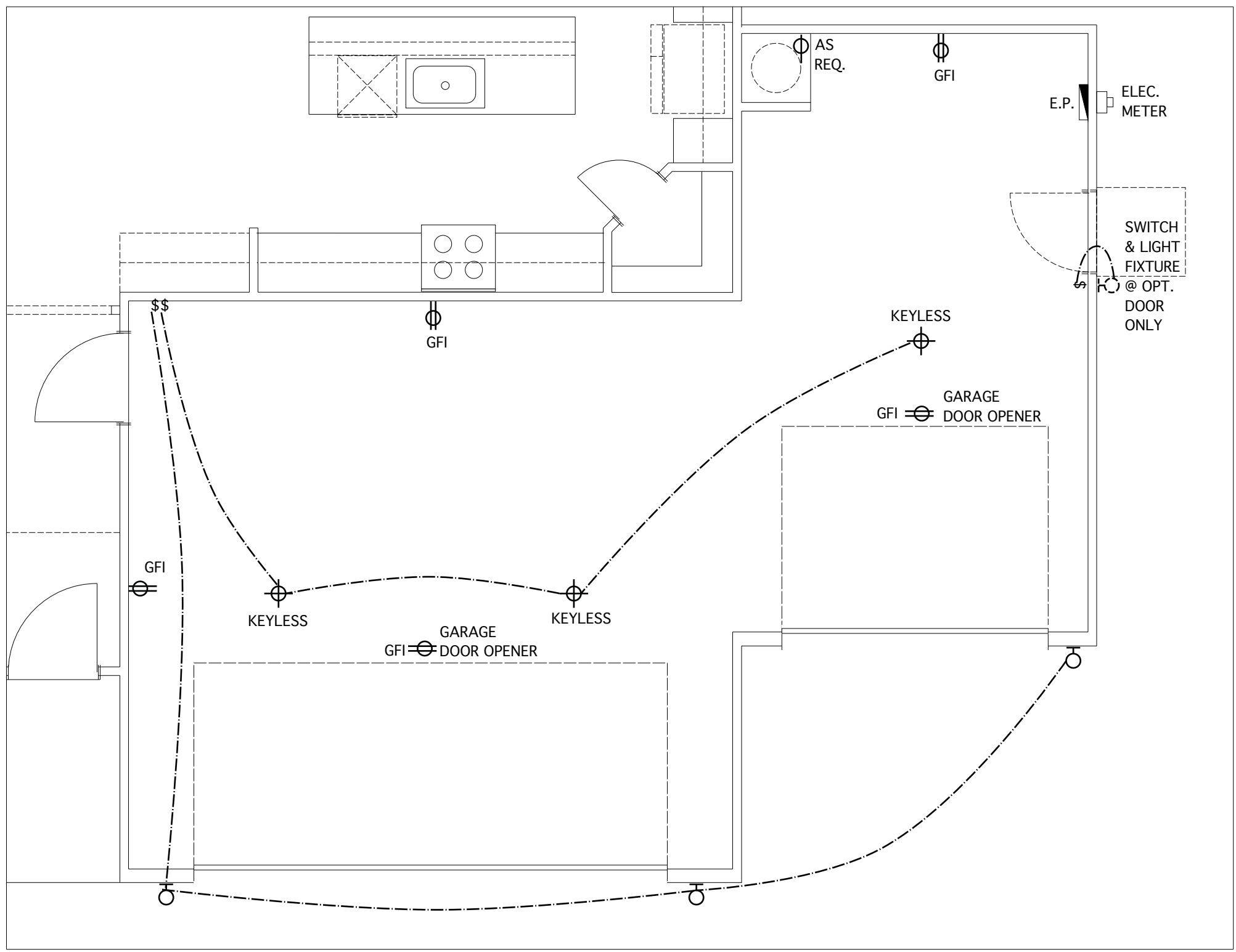
FIRST FLOOR ELECTRICAL PLAN
SCALE 1/4" = 1'-0"



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



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



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

JAMES WENTLING/ ARCHITECT

LAND TITLE BUILDING
100 SOUTH BROAD STREET,
SUITE 1724
PHILADELPHIA, PA 19110

(215) 568-2551
email - information@
wentlinghouseplans.com

ARCHITECTURE
LAND PLANNING
GRAPHICS

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REVISIONS		
MARK	DATE	DESCRIPTION
DN	08-19-19	STRUCT. DWGS. REV.
DN	12-03-19	16 RISERS/ MINOR UPDATES
CH	03-17-20	CLIENT REV. + 17 R.
DN	05-20-20	UPTURNED BEAM - GARAGE
AM	05-10-21	RE-STAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION
DN	03-23-23	MINOR UPDATES

PROJECT NO.	113-88
DATE	06-26-19
SCALE	AS NOTED
DRAWN BY	CH
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION









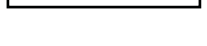












PROJECT TITLE
MODEL 2343 - GARAGE RIGHT

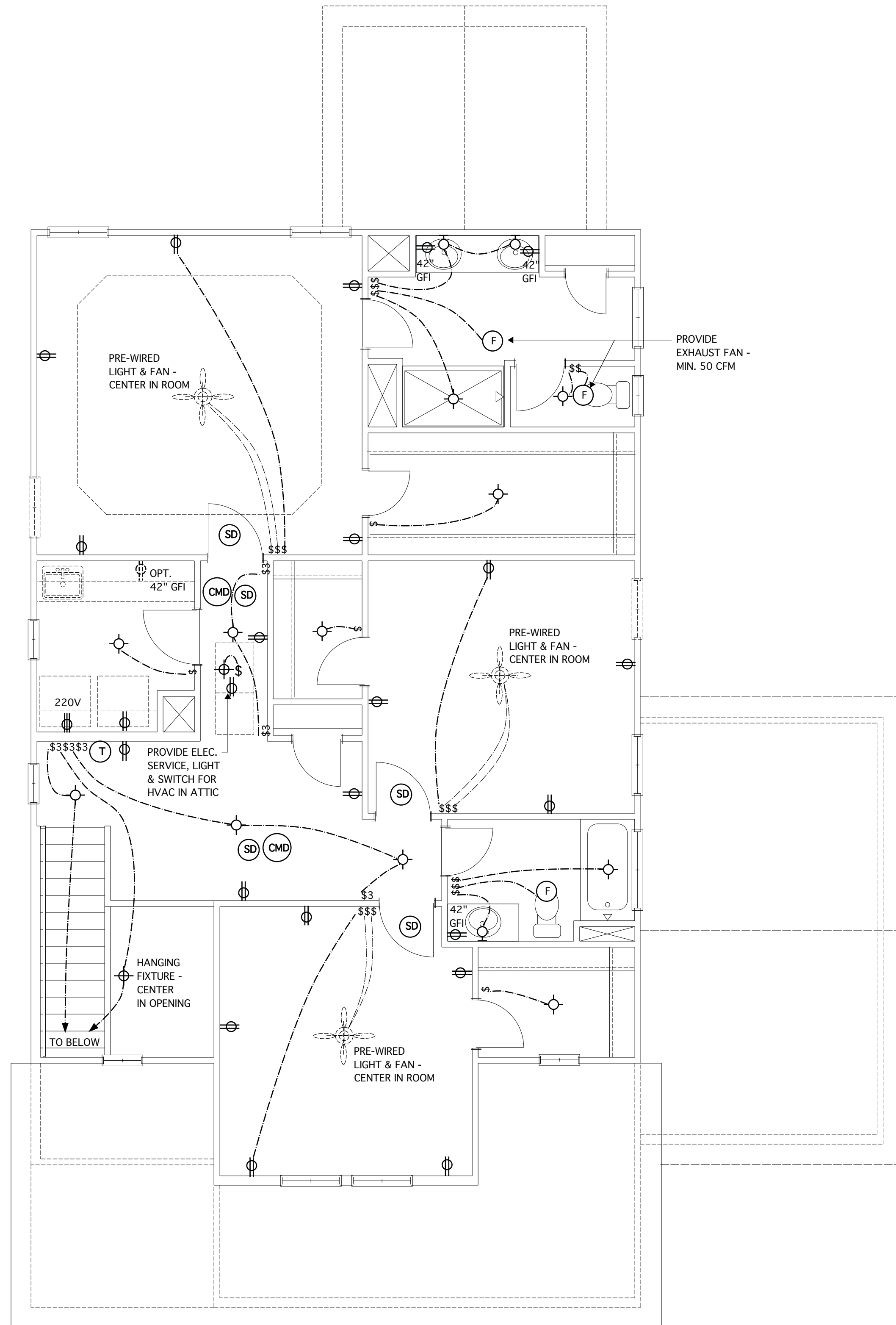
CLIENT
CHESAPEAKE HOMES OF NC
3100 Smoketree Court,
Suite 210
Raleigh, NC 27604
(919) 256-3060
(919) 556-0690 Fax

DRAWING TITLE
FIRST FLOOR ELECTRICAL PLANS

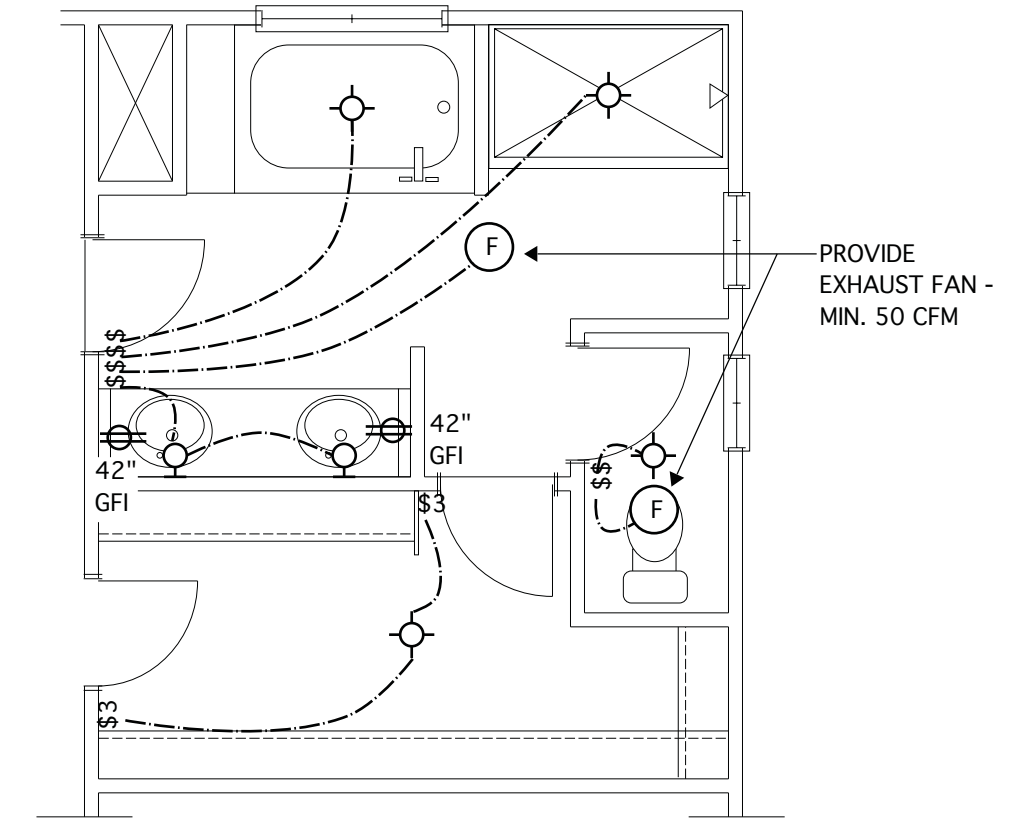
SHEET
7

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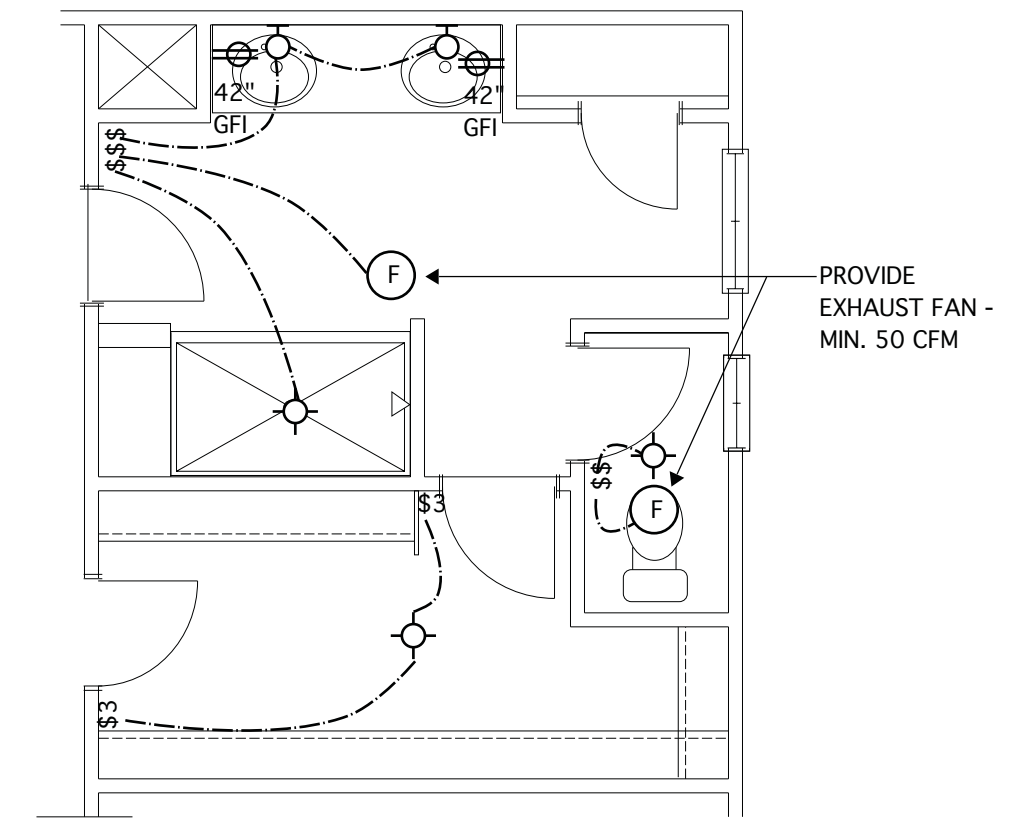
-  SINGLE RECEPTACLE OUTLET
-  DUPLEX RECEPTACLE OUTLET
-  GFI DUPLEX RECEPTACLE OUTLET-GROUND FAULT INTERRUPTER
-  DUPLEX RECEPTACLE OUTLET-SPLIT WIRED
-  220V OUTLET
-  WP GFI WEATHER-PROTECTED EXTERIOR OUTLET WITH IN-USE COVER & GFI PROTECTED
-  \$ SWITCH
-  \$3 THREE WAY SWITCH
-  FLUORESCENT LIGHT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



SECOND FLOOR ELECTRICAL 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"

**JAMES WENTLING/
ARCHITECT**

LAND TITLE BUILDING
100 SOUTH BROAD STREET,
SUITE 1524
PHILADELPHIA, PA 19110

(215) 568-2551
email - information@
wentlinghouseplans.com

ARCHITECTURE
LAND PLANNING
GRAPHICS

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REVISIONS

MARK	DATE	DESCRIPTION
DN	12-03-19	16 RISERS/MINOR UPDATES
CH	03-17-20	CLIENT REVISIONS
DN	05-20-20	UPTURNED BEAM - GARAGE
AM	05-10-21	RE-STAMP SHEET
DN	03-09-23	CONVERT HIGHGATE/ADD THIRD-CAR GAR. OPTION

PROJECT NO.	113-62
DATE	08-19-19
SCALE	AS NOTED
DRAWN BY	AE
CHECKED BY	JW
ISSUED FOR	PERMITS/CONSTRUCTION

PROJECT TITLE
MODEL 2343 - 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 ELECTRICAL PLANS

SHEET
7.1

STRUCTURAL NOTES

NC (2018 NCRG); Wind: 115-120 mph

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPs, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM FOOTING, AND PILING SYSTEM. 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 MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, 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. "CONSTRUCTION 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)
 - ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L/360)
 - SLEEPING ROOMS: (30 PSF, 10 PSF, L/360)
 - ATTIC WITH PERMANENT STAIRS: (40 PSF, 10 PSF, L/360)
 - ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L/240)
 - STAIRS: (40 PSF, 10 PSF, L/360)
 - EXTERIOR BALCONIES: (60 PSF, 10 PSF, L/360)
 - DECKS: (40 PSF, 10 PSF, L/360)
 - GUARDRAILS AND HANDRAILS: (200 LBS)
 - PASSENGER VEHICLE GARAGES: (50 PSF, 10 PSF, L/360)
 - FIRE ESCAPES: (40 PSF, 10 PSF, L/360)
 - SNOW: (20 PSF)
- WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- SEE APPENDIX M (DC46) 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 (NO). AIR ENTRAINMENT PER TABLE 402.2. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ALL STANDARDS. ALL SAMPLES FOR FINISH SHALL BE TAKEN FROM THE EXT. END OF THE PUMP. CONTROL JOINTS IN SLABS SHALL BE SPACED ON A GRID OF +30 TIMES THE DEPTH (D). CONTROL JOINTS SHALL BE SAUCUT TO A DEPTH OF 1/3 (I.E. 4" CONCRETE SLABS SHALL HAVE 1/2" DEEP CONTROL JOINTS SAUCUT IN SLAB ON A +10'-0" x +10'-0" GRID).
- ALLOWABLE SOIL BEARING PRESSURE ASSUMED 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 WALL 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 SYP #2 (Fb = 875 PSF) UNLESS NOTED OTHERWISE (NO). ALL TREATED LUMBER SHALL BE SYP #2. PLATE MATERIAL MAY BE SYP #3 OR SYP #3 (Fcp/perm) = 425 PSI - MIN.
- L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1.4x10⁶ PSI.
 - F.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2400 PSI, Fv=290 PSI, E=2.0x10⁶ PSI.
 - L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1.55x10⁶ PSI.
 INSTALL ALL CONNECTIONS PER MANUFACTURER'S 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 MANUFACTURER'S 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 BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. ALL STEEL TUBING SHALL BE ASTM A500.
- REBAR SHALL BE DEFORMED STEEL, ASTM#615, 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 STAGGERED 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"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6"x4"x3/8" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS UP TO 9'-0". SEE PLANS FOR SPANS OVER 9'-0". SEE ALSO SECTION R103.B.3 LINTELS.

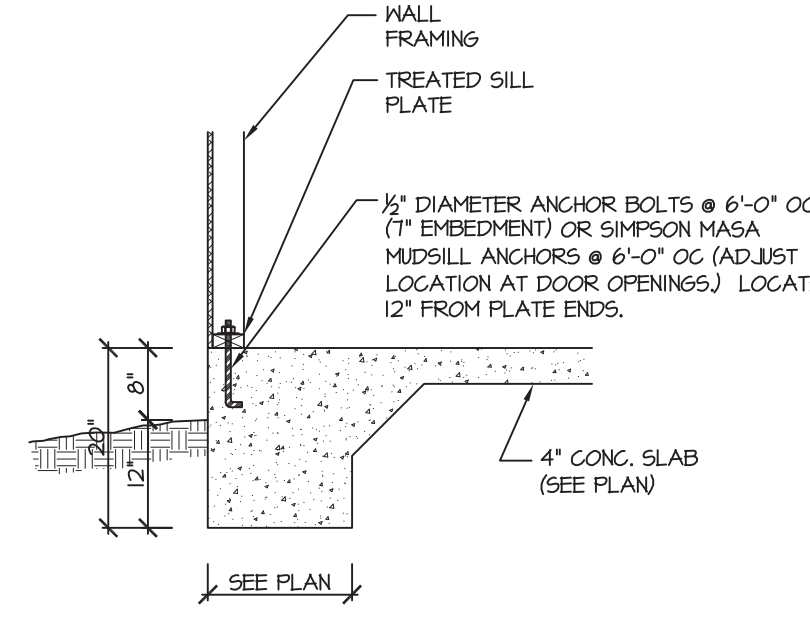
FRAMING NOTES

NC (2018 NCRG); Wind: 115-120 mph

- BRACING METHOD AND TYPE. CONTINUOUSLY SHEATHED WSP, CS-WSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY SECTION R602.10 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 STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE B, 7/16" EXPOSURE C, 15/32"). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6"x12" NAILING PATTERN (6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.
- WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF PER SECTION R602.10.4.5 AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES, (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
- "HD" = 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.
 - **SECOND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV.)
 - **UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS22 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) 8d NAILS.
- INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1' O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW" ON PLANS). ATTACH ONE SIDE WITH 3/8" WSP SHEATHING WITH 8d NAILS AT A 6"x12" NAILING PATTERN (6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH GB OVER WSP AS REQUIRED. ATTACH OPPOSITE SIDE WITH 5d GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1' O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" WALL) OR (3)2x6 (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 15" IN TABLE R602.3(5) OR AS BELOW PER NCGO1 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



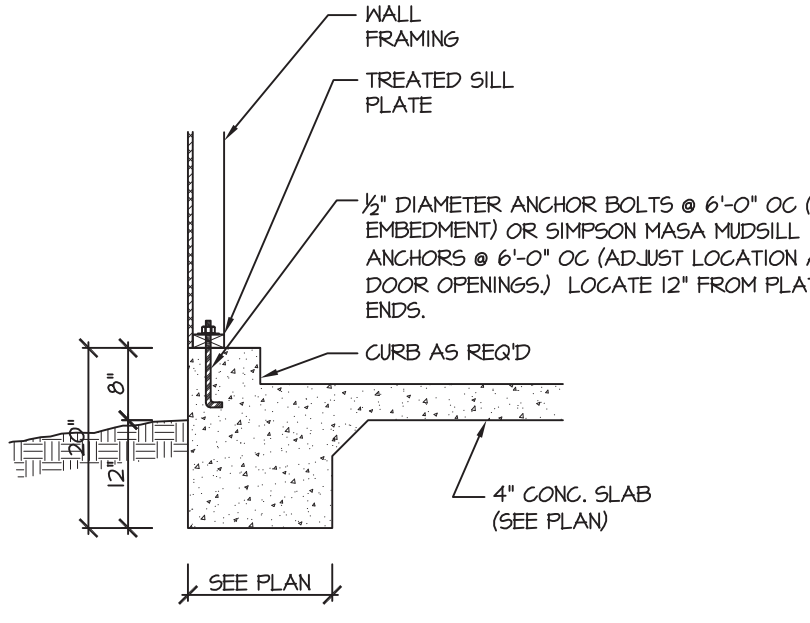
115-120 MPH (104A) SD THICKENED SLAB (INTERIOR BEARING WALL)

TRUSS SYSTEM REQUIREMENTS

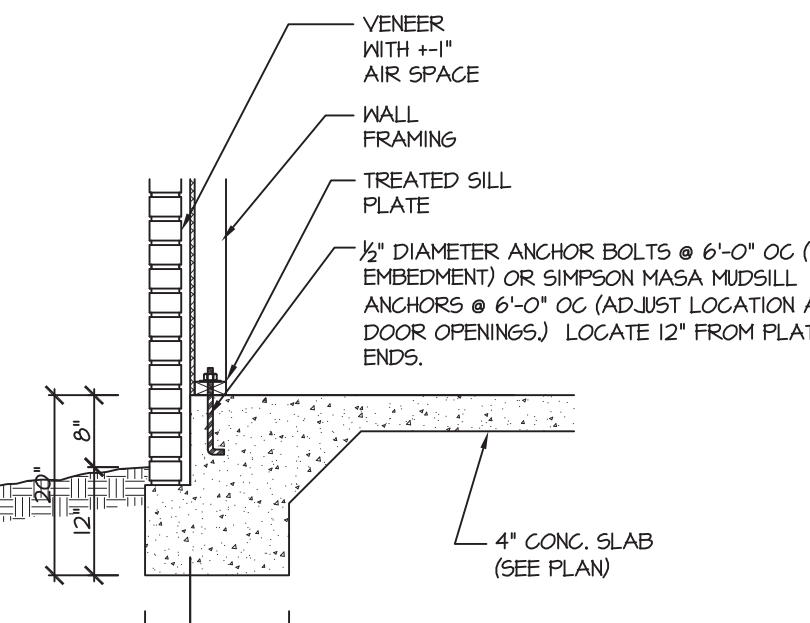
NC (2018 NCRG); Wind: 115-120 mph

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

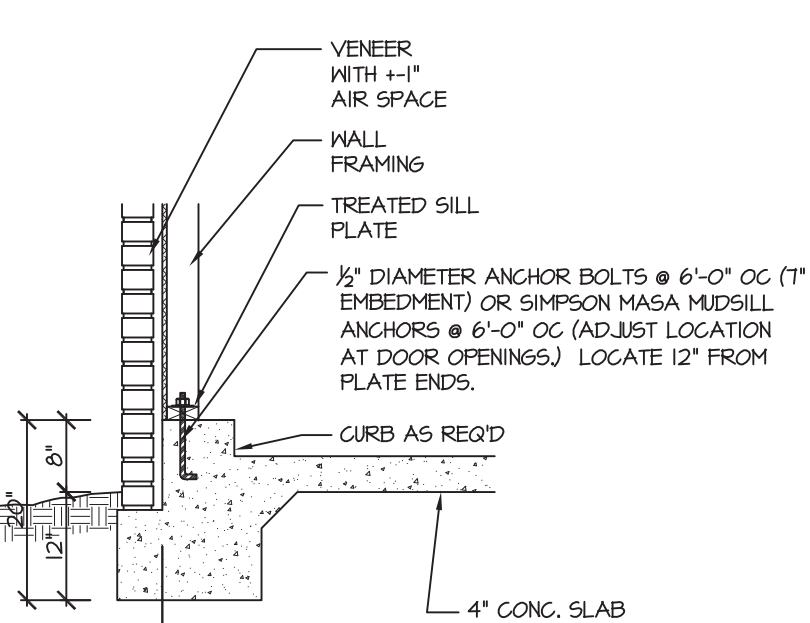
115-120 MPH (100A) SD MONOLITHIC SLAB FOOTING (SIDING OR EQUAL)



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

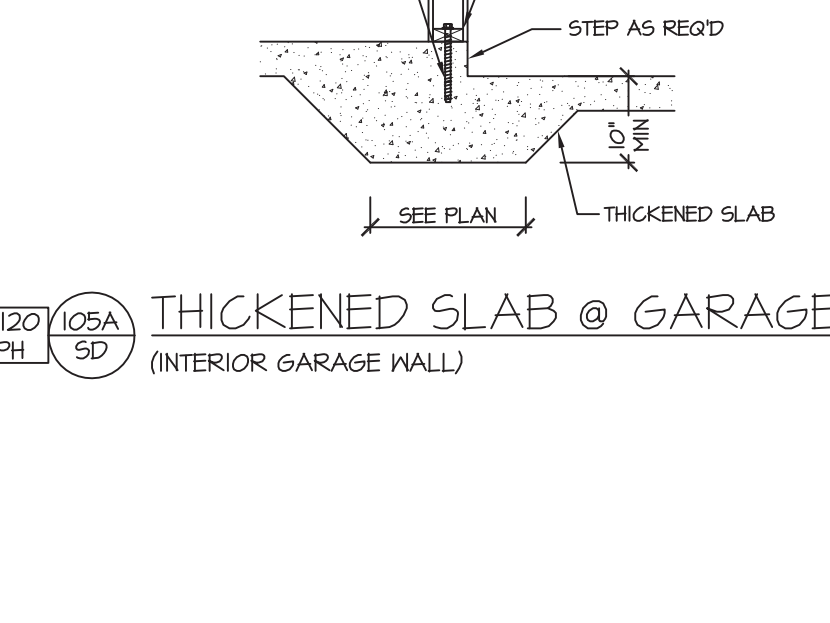


115-120 MPH (102A) SD MONOLITHIC SLAB FOOTING (VENEER)



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

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



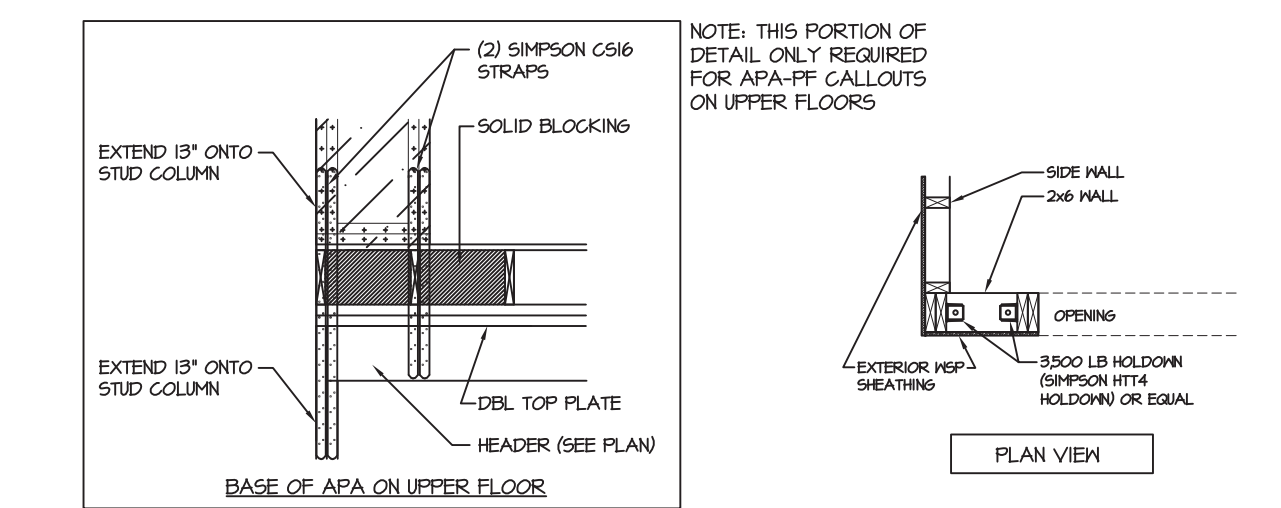
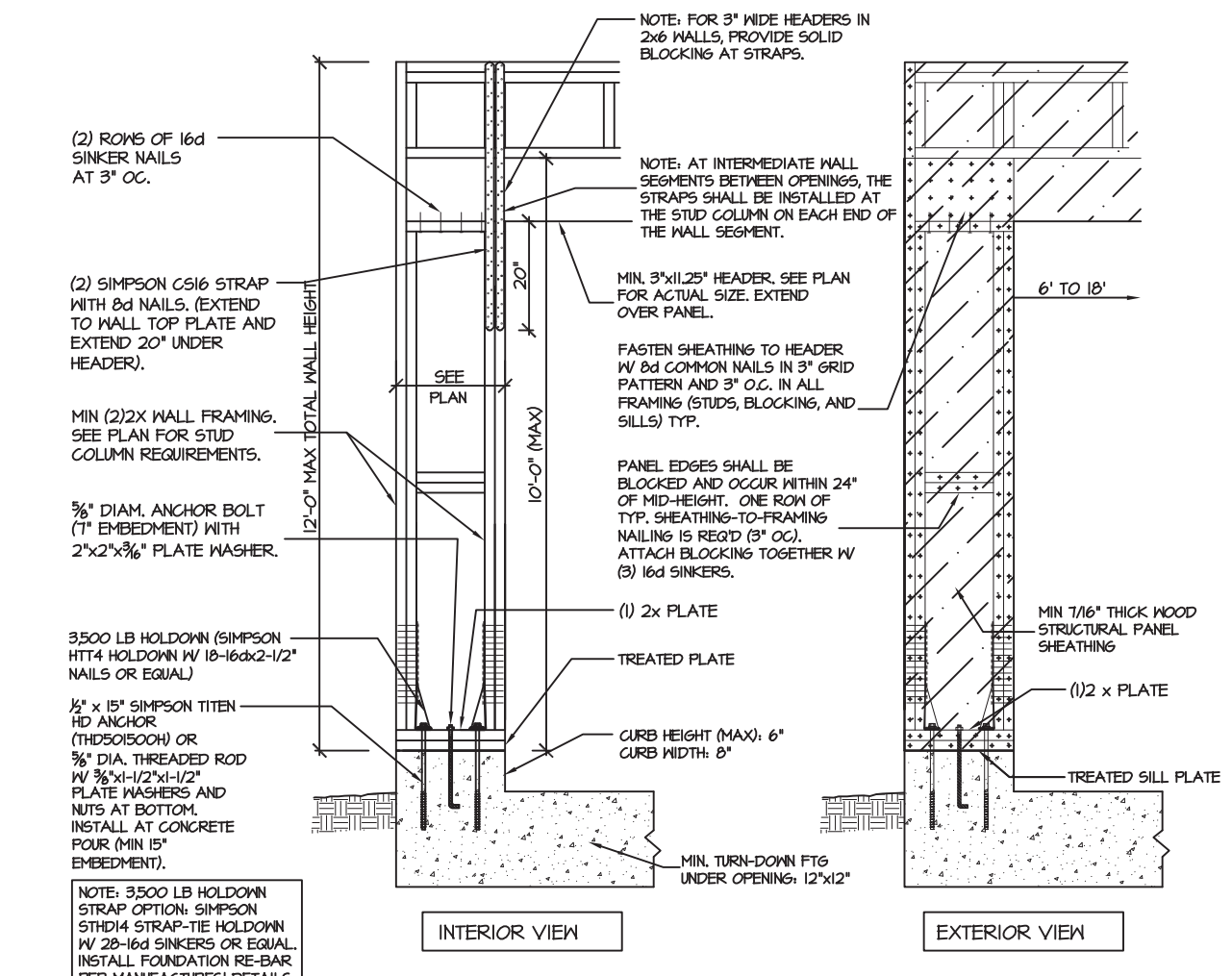
209A SD DIRECT STUD BEARING (NTS)



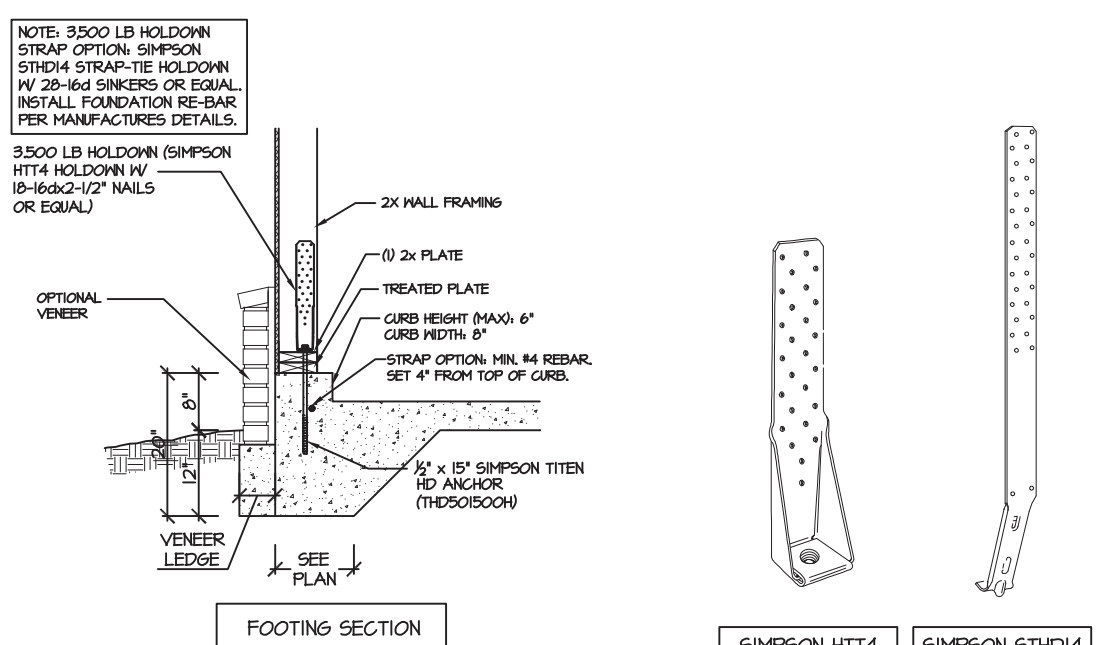
209B SD DIRECT BEAM BEARING (NTS)



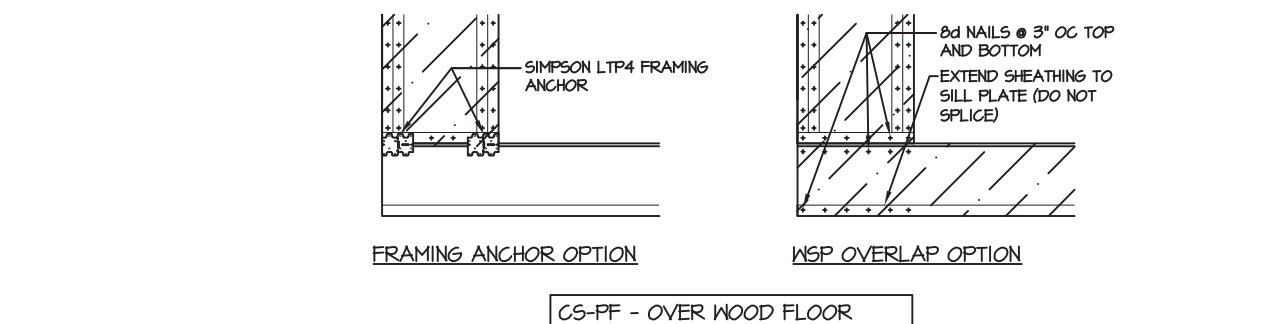
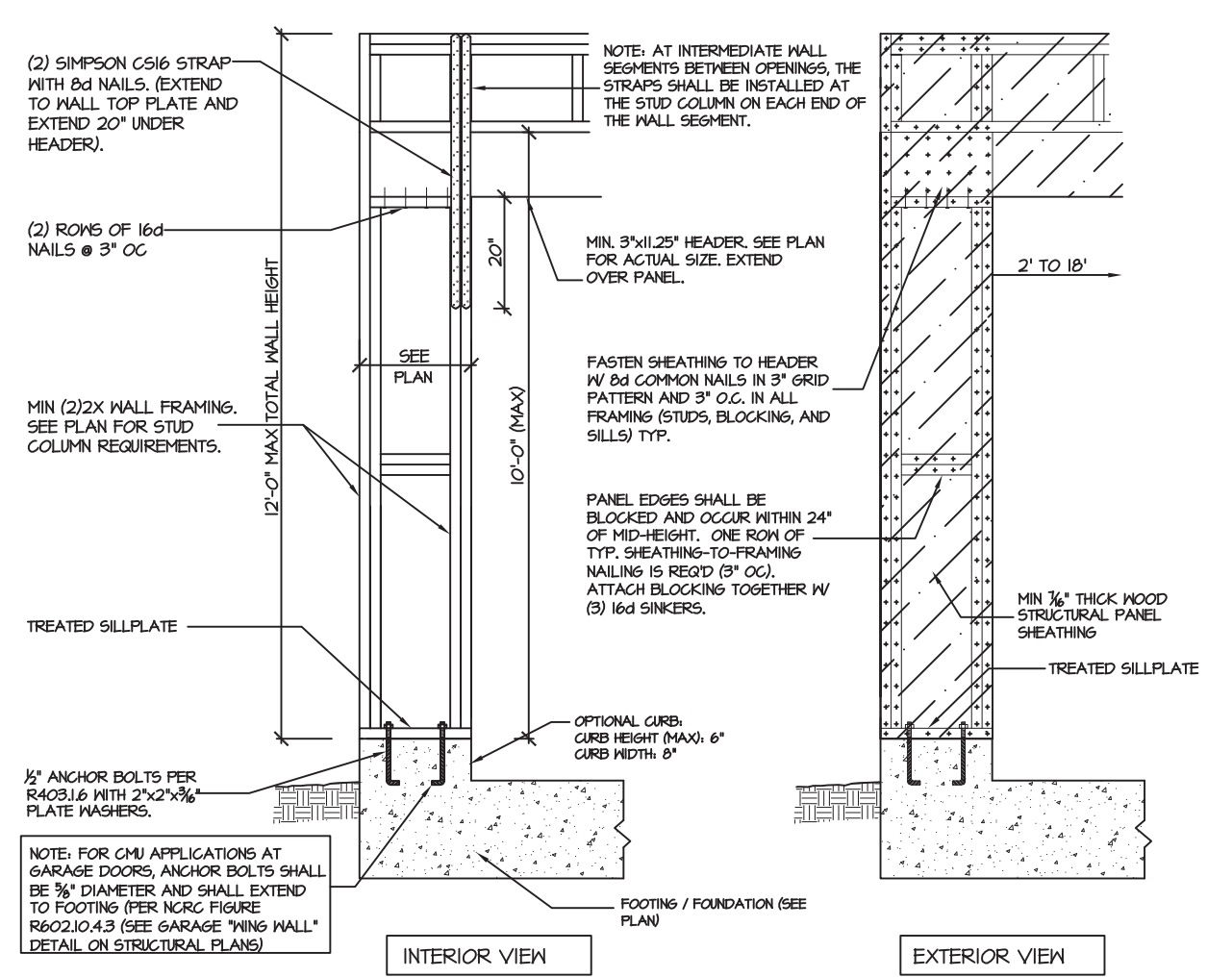
209B SD DIRECT BEAM BEARING (NTS)



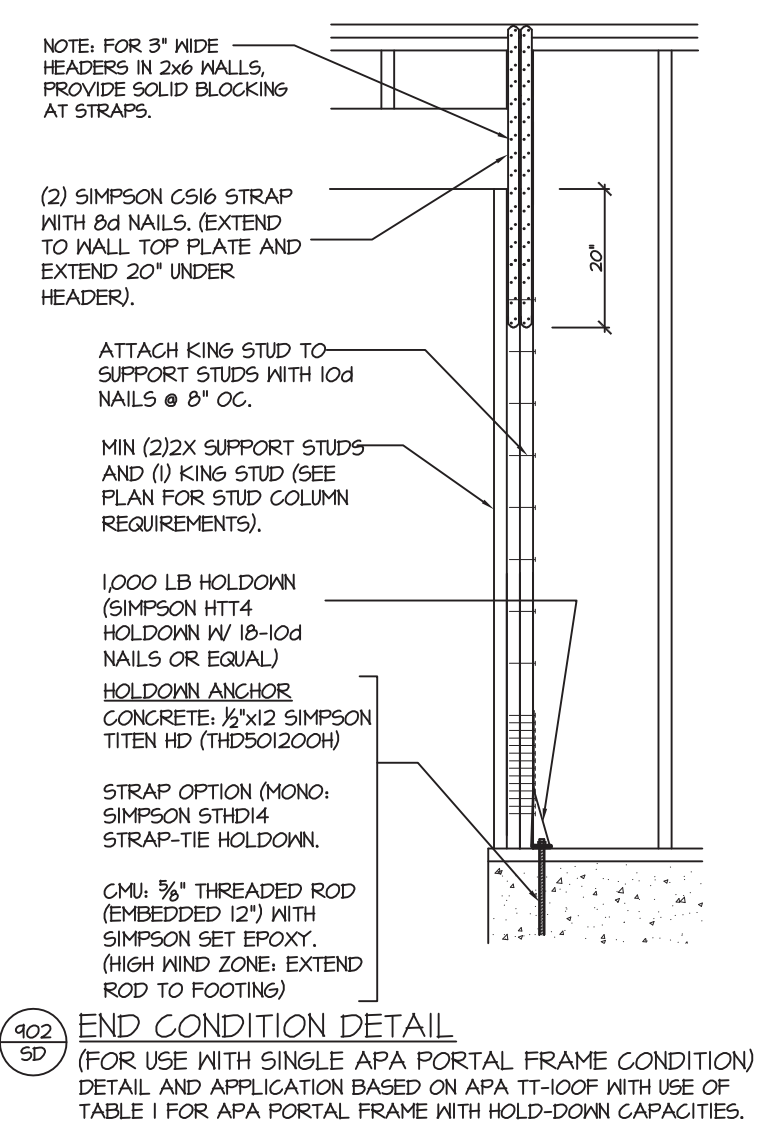
400 SD APA PORTAL FRAME W/ HOLD-DOWNS (DETAIL AND APPLICATION BASED ON APA TT-100P WITH USE OF TABLE 1 FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES)



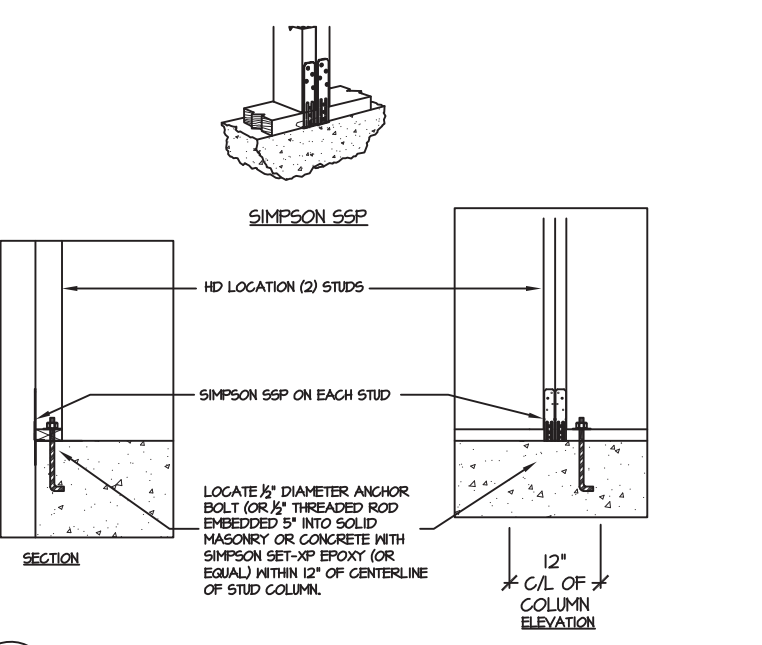
400 SD APA PORTAL FRAME W/ HOLD-DOWNS (DETAIL AND APPLICATION BASED ON APA TT-100P WITH USE OF TABLE 1 FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES)



400 SD CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION (FOR USE WITH SINGLE CS-PF CONDITION) DETAIL AND APPLICATION BASED ON NCRG FIGURE R602.10.1 - PORTAL FRAME CONSTRUCTION

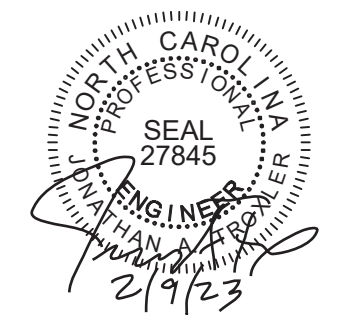


402 SD END CONDITION DETAIL (FOR USE WITH SINGLE APA PORTAL FRAME CONDITION) DETAIL AND APPLICATION BASED ON APA TT-100P WITH USE OF TABLE 1 FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES.



403 SD BRACED WALL END CONDITION "HD" HOLD-DOWN DETAIL (NOTE: 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.)

406 SD CS-PF: END CONDITION DETAIL (FOR USE WITH SINGLE CS-PF CONDITION) DETAIL AND APPLICATION BASED ON NCRG FIGURE R602.10.1 - PORTAL FRAME CONSTRUCTION



PROJECT #
Multiple

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 projects constituting approval of terms & conditions as defined in the customer agreement.

Southern Engineers, P.A.
3716 Benson Drive, Raleigh, NC 27609
Phone: (919) 878-1017
License: C-4772
www.southernengineers.com

James Wentling,
Architect

Standard Details
and Notes
Chesapeake Homes of NC

SD-1
MONO