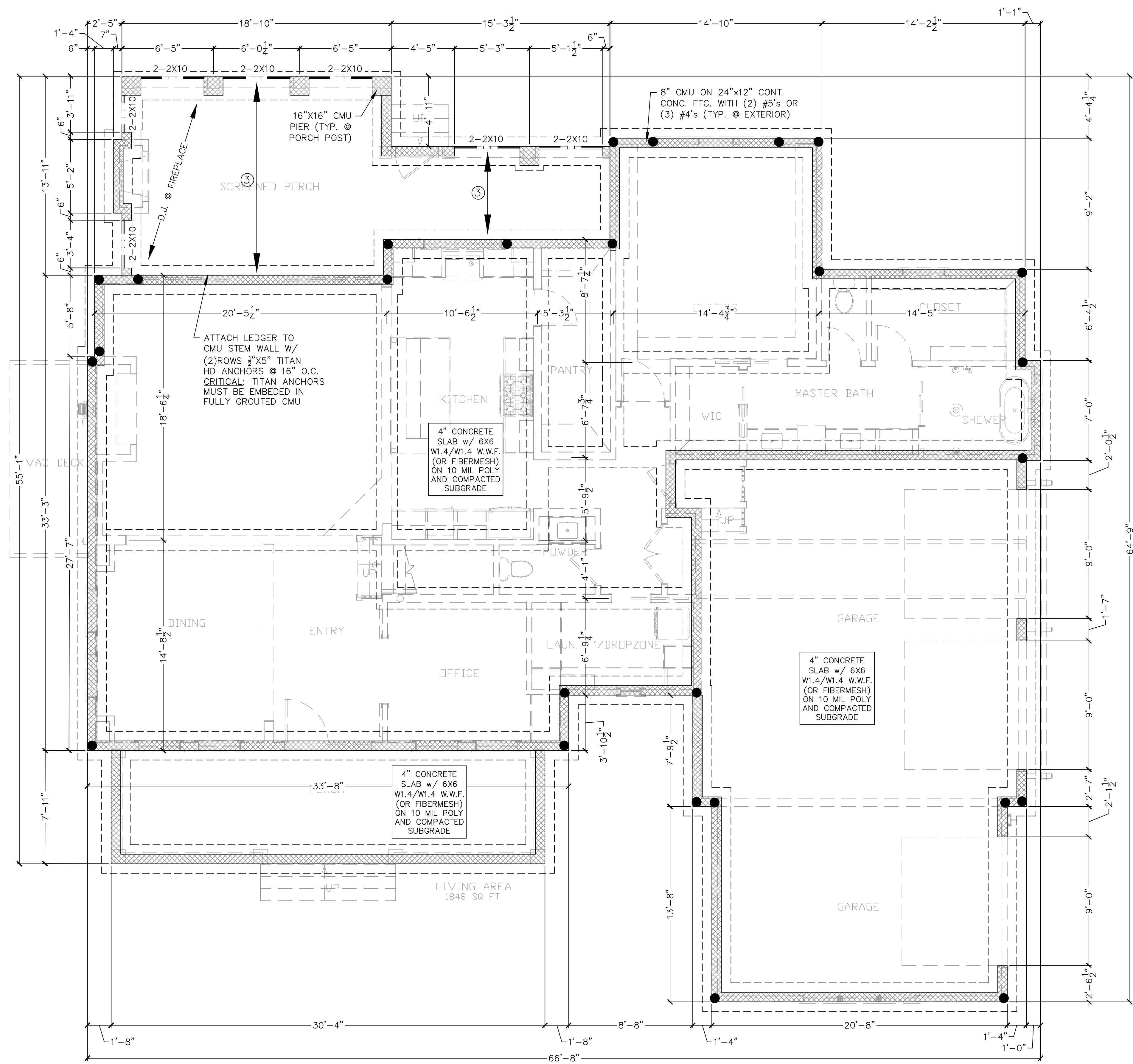
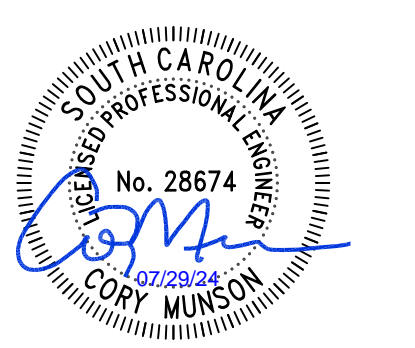


- FOUNDATION NOTES:**
- BUILDING FOOTPRINT DIMENSIONS ARE BASED ON ARCHITECTURAL PLANS PROVIDED. E.O.R. IS NOT RESPONSIBLE FOR DIMENSIONAL ERRORS. CONTRACTOR TO COORDINATE WITH E.O.R. PRIOR TO FOUNDATION CONSTRUCTION TO RESOLVE DISCREPANCIES.
 - SEE DETAILS FOR TYPICAL FOUNDATION REINFORCEMENT
 - TRANSFER ALL POINT LOADS ABOVE TO FOUNDATION WITH AN EQUAL NUMBER OF STUDS
 - ALL CONCRETE TO BE 3000 PSI (MIN)
 - SOIL TO HAVE A MIN 2000 PSF BEARING CAPACITY
 - ALL CONT. FOOTINGS TO BEAR MIN 18" BELOW GRADE OR AS RECOMMENDED PER GEOTECHNICAL EVALUATION

- FOUNDATION LEGEND**
- HOLDOWN LOCATIONS (LOCATIONS SHOWN ON FOUNDATION SHEETS ARE FOR REFERENCE ONLY IN ORDER TO COORDINATE FOUNDATION ANCHORAGE AND REINFORCEMENT PLACEMENT AS NECESSARY. SEE SHEAR WALL PLANS FOR SPECIFIC HOLDOWN ELEMENTS)
- = HOLDOWN
 - ▣ = 16X16 CMU PIER



Residential Structures, P.C.
 Engineering and Design
 Charlotte: 704-332-5460
 Myrtle Beach/Florence: 704-301-9521
 www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
 4215 Fellowship Rd.
 N. Charleston, SC 29418

Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		1/4"=1'-0"
DATE:		07/26/2024

Foundation Plan

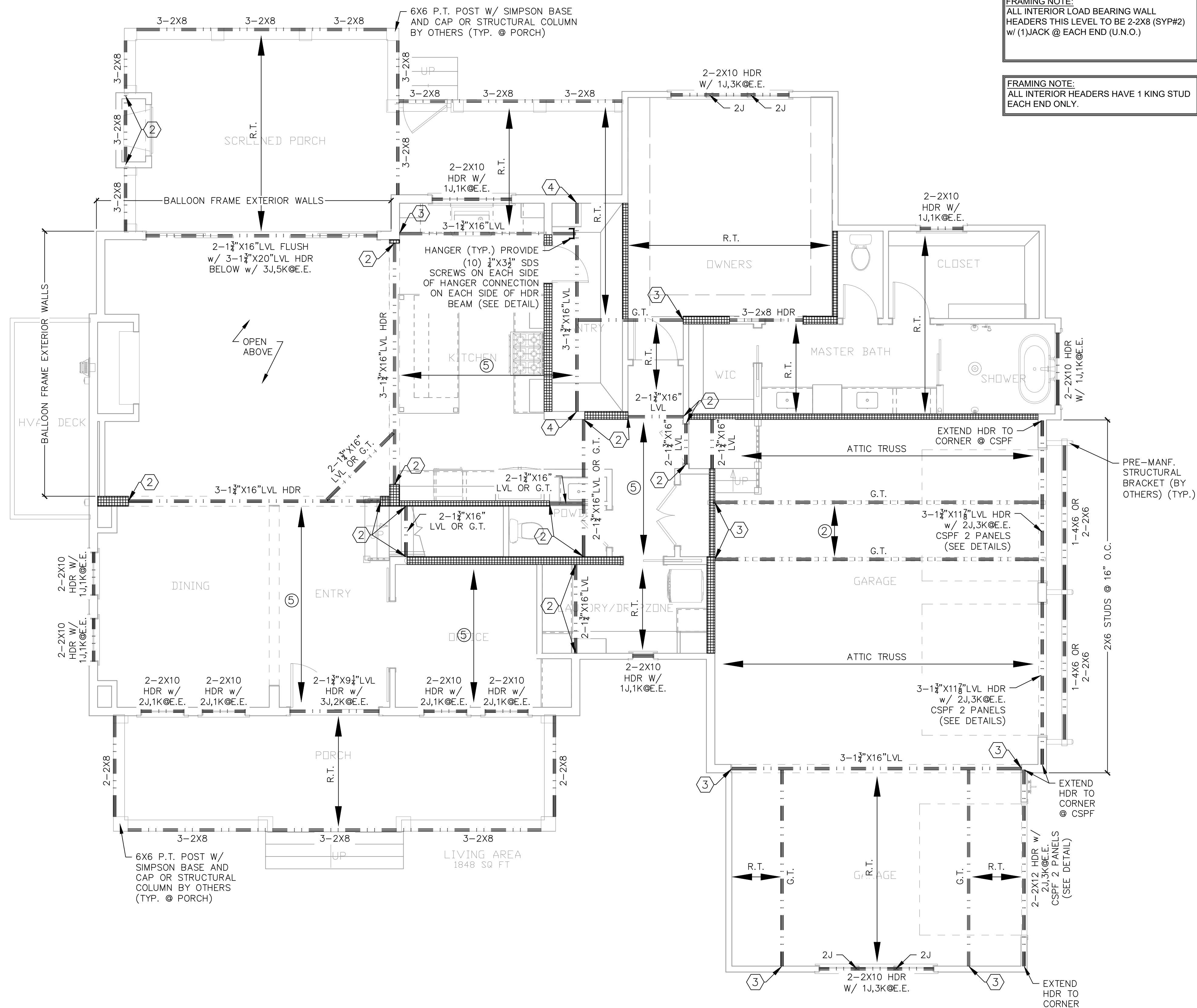
SHEET:
S1

FRAMING NOTES

- ALL RAFTERS TO BE 2X8'S (SYP#2) @ 16" O.C. U.N.O
- ALL RIDGES AND HIPS ARE CONSIDERED NON-STRUCTURAL U.N.O.
- ALL RAFTERS FRAMING INTO NON-STRUCTURAL RIDGES AND HIPS MUST BE CONNECTED TO CEILING JOISTS OR HAVE RAFTER TIES AS DETAILED ON SHEET SD10
- ALL RIDGES, HIPS AND VALLEYS TO BE DIMENSIONAL LUMBER (SYP#2) MINIMUM 1 SIZE LARGER THAN ASSOCIATED RAFTERS U.N.O.
- ALL RAFTERS/TRUSSES TO BE TIED TO ALL SUPPORTING WALL PLATES WITH (2) SIMPSON H2.5A TIES OR (1) H10A OR AS NOTED ON PLANS) NAILED PER MANUFACTURER SPECIFICATIONS.
- AT CLIP LINES, CEILING JOISTS TO BE NAILED TO RAFTERS W/ (5)16d NAILS U.N.O.
- INSTALL SIMPSON CS16 STRAP TIES AT EACH END OF ALL EXTERIOR HEADERS FOR UPLIFT CONNECTIONS. PROVIDE (1) STRAP @ EACH END FOR EVERY 6'-0" WIDTH OF OPENING. PROVIDE EXTRA STUDS AS NECESSARY FOR CONNECTIONS.
- INSTALL SIMPSON CS16 STRAP TIES ALONG EXTERIOR WALLS INLINE WITH ALL HEADER UPLIFT CONNECTIONS ABOVE. STRAPS TO BE CENTERED AT 2nd FLOOR SYSTEM
- INSTALL AN EXTRA JOIST UNDER ALL PARALLEL PARTITION WALLS. NOTE, NOT ALL EXTRA JOISTS SHOWN FOR CLARITY
- TRANSFER ALL POINT LOADS FROM ABOVE THROUGH FLOOR SYSTEMS W/ AN EQUAL AMOUNT OF STUD MATERIAL
- ALL 2-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (3) ROWS 10d NAILS @ 12" O.C. (U.N.O.)
- ALL 3-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (3) ROWS 10d NAILS @ 12" O.C. EACH SIDE (U.N.O.)
- ALL 4-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (2) ROWS 7x6" SDS SCREWS @ 24" O.C. EACH SIDE (U.N.O.)
- ALL HOLD-DOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O.
- FLOOR DIAPHRAGM WILL BE 7/8" T&G PLYWOOD SHEATHING FASTENED TO FRAMING W/ 10d NAILS @ 6" O.C. EDGE AND 12" O.C. ALONG INTERMEDIATE MEMBERS. PROVIDE 2X BLOCKING @ 48" O.C. IN 1ST 2 BAYS OF DIAPHRAGM.
- THE ROOF SHEATHING WILL BE MINIMUM 5/8" STRUCTURAL SHEATHING ATTACHED W/ 8d NAILS @ 4" O.C. AT ALL PANEL EDGES AND 6" O.C. AT ALL OTHER SUPPORTING MEMBERS. THE ROOF SHEATHING WILL BE ATTACHED WITH 8d NAILS @ 4" O.C. AT THE GABLE END FRAMING. SEE FRAMING DETAILS FOR BLOCKING REQUIREMENTS.
- ALL STRUCTURAL RIDGE BEAMS MUST BE TIED TO THEIR RESPECTIVE STUD SUPPORTS WITH (2) SIMPSON MSTA24 STRAP TIES WITH A MINIMUM 9-10d NAILS AT EACH STRAP END. THE SUBJECT BEAM STUD SUPPORTS MUST ALSO BE TIED TO THE FLOOR SYSTEM USING IDENTICAL STRAPPING PROCEDURES.
- ALL ROOF GIRDER TRUSSES TO BE TIED TO THE WALL USING (1) SIMPSON VGT GIRDER TIE DOWNS W/ HDU4'S OR (2) TS22 STRAPS UNLESS NOTED OTHERWISE ON THE PLAN OR AS RECOMMENDED BY TRUSS MANUFACTURER. ALL TIE STRAPS/HOLD-DOWNS REFERENCED ON PLANS ARE SIMPSON PRODUCTS. ALL TIE STRAPS/HOLD-DOWNS MUST BE INSTALLED AT THE PLAN INDICATED LOCATIONS PER MANUFACTURER SPECIFICATIONS. ALL HOLD-DOWNS TO BE INSTALLED TO SYP STUDS.

FRAMING LEGEND

- ROOF TRUSSES PER MANF. @ MAX 24" O.C.
- R.T. = TRUSS DESIGN TO HAVE NO INTERMEDIATE BEARING U.N.O.
- G.T. = GIRDER TRUSS PER MANF.
- B.B. = BEAM BELOW
- D.R. = DOUBLE RAFTER
- T.R. = TRIPLE RAFTER
- R.B. = RAFTER BRACE
- R.F.V. = RAFTERS FORM VAULT
- B.R.O.W. = BRACE RAFTERS ON WALL
- D.J. = DOUBLE JOIST
- E.O.R. = ENGINEER OF RECORD
- E.E. = EACH END
- E.S. = EACH SIDE
- E.W. = EACH WAY
- HDR = HEADER
- B.W.A. = BEARING WALL ABOVE. PROVIDE BLOCKING b/n JOISTS/TRUSSES
- ⊗ = ROOF BRACE POINT AND BRACE TO POINT
- ▨ = AREA TO BE OVERFRAMED
- ▧ = INTERIOR BEARING WALL
- PROVIDE 6"x4"x3/8" STEEL ANGLE ATTACHED TO * = HEADER/BEAM FRAMING W/ (2) ROWS 7/8"x4" LAGS @ 16" O.C. FOR BRICK SUPPORT
- ** = ATTACH LVL PLY'S W/ (2) ROWS 7/8"x3 1/2" SDS SCREWS @ 16" O.C.
- *** = ATTACH LVL PLY'S W/ (2) ROWS 7/8"x3 1/2" SDS SCREWS @ 16" O.C. ON E.S. OF BEAM
- **** = ATTACH LVL PLY'S W/ (2) ROWS 7/8"x6" SDS SCREWS @ 16" O.C. ON E.S. OF BEAM
- # = NUMBER OF STUDS @ INTERIOR WALLS. STUDS TO BE SAME SIZE AS ASSOCIATED WALL FRAMING STUDS U.N.O.
- #J,#K = NUMBER OF JACK STUDS AND NUMBER OF KING STUDS @ EXTERIOR WALLS. STUDS TO BE SAME SIZE AS ASSOCIATED WALL FRAMING STUDS U.N.O.
- CSPF = CONTINUOUS SHEATHING PORTAL FRAME (SEE DETAILS)
- = DIRECTION OF JOIST/TRUSS SPAN.
- ① = 2X6 (SYP#2) @ 16" O.C.
- ② = 2X8 (SYP#2) @ 16" O.C.
- ③ = 2X10 (SYP#2) @ 16" O.C.
- ④ = 2X12 (SYP#2) @ 16" O.C.
- ⑤ = 16" OPEN WEB FLOOR TRUSSES PER MANF.



FRAMING NOTE:
ALL EXTERIOR WALLS THIS LEVEL TO BE MIN 2X4 @ 16" O.C. U.N.O. (SEE EXTERIOR STUD WALL REQUIREMENTS CHART FOR ADDITIONAL REQUIREMENTS)

FRAMING NOTE:
ALL INTERIOR LOAD BEARING WALL HEADERS THIS LEVEL TO BE 2-2X8 (SYP#2) W/ (1) JACK @ EACH END (U.N.O.)

FRAMING NOTE:
ALL INTERIOR HEADERS HAVE 1 KING STUD EACH END ONLY.

TYPICAL HANGERS

MEMBER	HANGER
2X8	LUS28
2X10	LUS210
2X12	LUS210
(2) 2X8	HUS28-2
(2) 2X10	HUS210-2
(2) 2X12	HUS212-2
(3) 2X8	LUS28-3
(3) 2X10	LUS210-3
(3) 2X12	LUS210-3
(2) 9 1/2" / (2) 11 1/2" LVL	HGUS410
(2) 14" / (2) 16" / (2) 18" LVL	HGUS414
(3) 9 1/2" LVL	HGUS5.50/10
(3) 11 1/2" LVL	HGUS5.50/12
(3) 14" / (3) 16" / (3) 18" LVL	HGUS5.50/14
(4) 9 1/2" LVL	HGUS7.25/10
(4) 11 1/2" LVL	HGUS7.25/12
(4) 14" / (4) 16" / (4) 18" LVL	HGUS7.25/14

EXTERIOR WALL STUD REQUIREMENTS

EXT. STUD HEIGHT (h)	MIN. STUD SIZE AND SPACING U.N.O. IN FRAMING NOTES OR ON FRAMING PLANS
h ≤ 10'-0"	SEE FRAMING NOTES
10'-0" < h ≤ 13'-0"	2X6 @ 16" O.C.
13'-0" < h ≤ 16'-0"	2X6 @ 12" O.C.
16'-0" < h ≤ 20'-0"	2-2X6 @ 16" O.C.
h > 20'-0"	CONSULT ENGINEER



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		1/4" = 1'-0"
DATE:		07/26/2024

2nd Floor Framing Plan

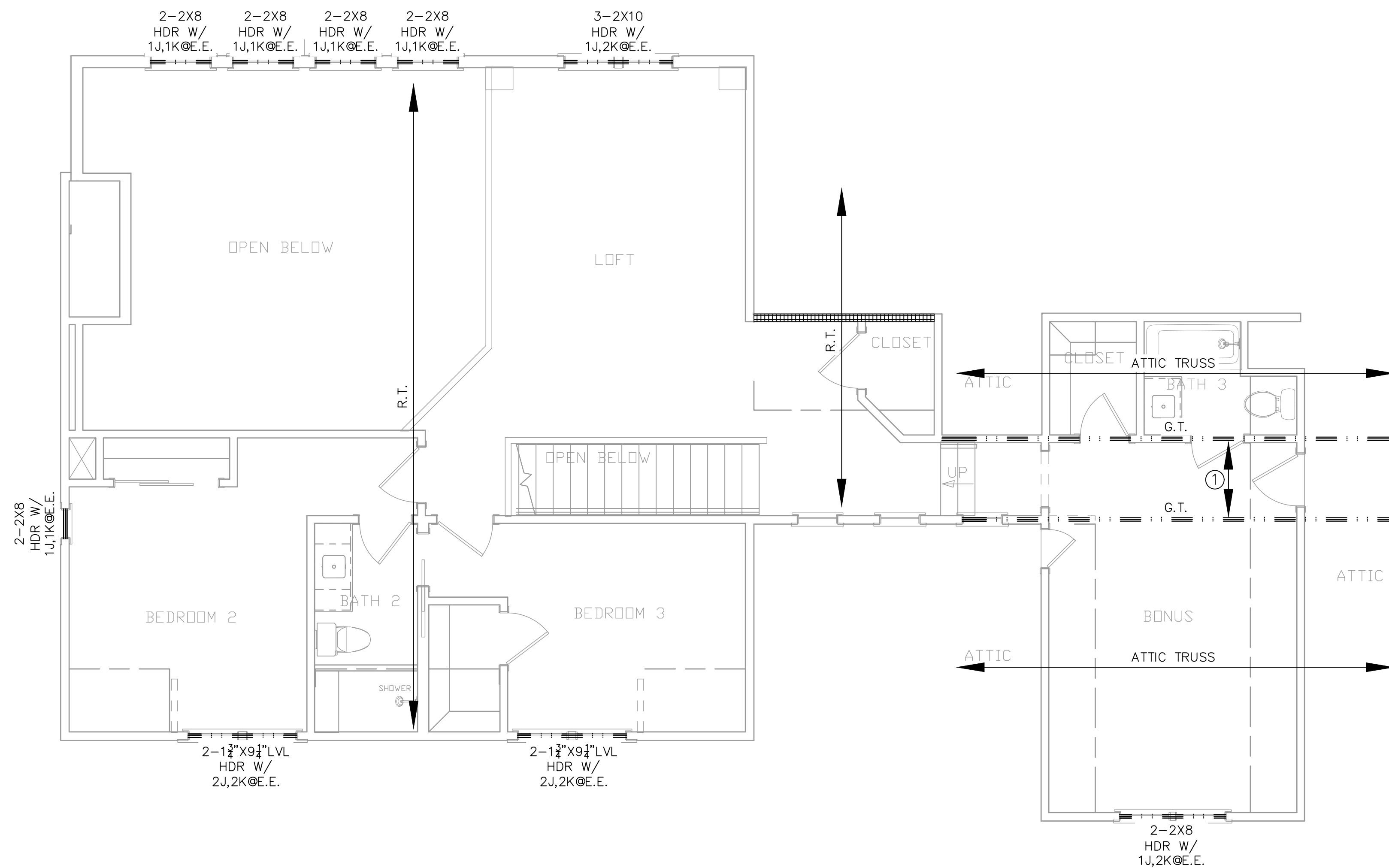
SHEET: **S2**

FRAMING NOTES

- ALL RAFTERS TO BE 2X8's (SYP#2) @ 16" O.C. U.N.O
- ALL RIDGES AND HIPS ARE CONSIDERED NON-STRUCTURAL U.N.O.
- ALL RAFTERS FRAMING INTO NON-STRUCTURAL RIDGES AND HIPS MUST BE CONNECTED TO CEILING JOISTS OR HAVE RAFTER TIES AS DETAILED ON SHEET SD1.0
- ALL RIDGES, HIPS AND VALLEYS TO BE DIMENSIONAL LUMBER (SYP#2) MINIMUM 1 SIZE LARGER THAN ASSOCIATED RAFTERS U.N.O.
- ALL RAFTERS/TRUSSES TO BE TIED TO ALL SUPPORTING WALL PLATES WITH (2) SIMPSON H2.5A TIES OR (1) H10A OR AS NOTED ON PLANS) NAILED PER MANUFACTURER SPECIFICATIONS.
- AT CLIP LINES, CEILING JOISTS TO BE NAILED TO RAFTERS w/ (5)16d NAILS U.N.O.
- INSTALL SIMPSON CS16 STRAP TIES AT EACH END OF ALL EXTERIOR HEADERS FOR UPLIFT CONNECTIONS. PROVIDE (1) STRAP @ EACH END FOR EVERY 6'-0" WIDTH OF OPENING. PROVIDE EXTRA STUDS AS NECESSARY FOR CONNECTIONS.
- INSTALL SIMPSON CS16 STRAP TIES ALONG EXTERIOR WALLS INLINE WITH ALL HEADER UPLIFT CONNECTIONS ABOVE. STRAPS TO BE CENTERED AT 2nd FLOOR SYSTEM
- INSTALL AN EXTRA JOIST UNDER ALL PARALLEL PARTITION WALLS. NOTE, NOT ALL EXTRA JOISTS SHOWN FOR CLARITY
- TRANSFER ALL POINT LOADS FROM ABOVE THROUGH FLOOR SYSTEMS w/ AN EQUAL AMOUNT OF STUD MATERIAL
- ALL 2-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (3) ROWS 10d NAILS @ 12" O.C. (U.N.O.)
- ALL 3-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (3) ROWS 10d NAILS @ 12" O.C. EACH SIDE (U.N.O.)
- ALL 4-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (2) ROWS 2"X6" SDS SCREWS @ 24" O.C. EACH SIDE (U.N.O.)
- ALL HOLDOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O.
- FLOOR DIAPHRAGM WILL BE 3/4" T&G PLYWOOD SHEATHING FASTENED TO FRAMING W/ 10d NAILS @ 6" O.C. EDGE AND 12" O.C. ALONG INTERMEDIATE MEMBERS. PROVIDE 2X BLOCKING @ 48" O.C. IN 1ST 2 BAYS OF DIAPHRAGM.
- THE ROOF SHEATHING WILL BE MINIMUM 5/8" STRUCTURAL SHEATHING ATTACHED W/ 8d NAILS 6" O.C. AT ALL PANEL EDGES AND 6" O.C. AT ALL OTHER SUPPORTING MEMBERS. THE ROOF SHEATHING WILL BE ATTACHED WITH 8d NAILS @ 4" O.C. AT THE GABLE END FRAMING. SEE FRAMING DETAILS FOR BLOCKING REQUIREMENTS.
- ALL STRUCTURAL RIDGE BEAMS MUST BE TIED TO THEIR RESPECTIVE STUD SUPPORTS WITH (2) SIMPSON MSTA24 STRAP TIES WITH A MINIMUM 9-10d NAILS AT EACH STRAP END. THE SUBJECT BEAM STUD SUPPORTS MUST ALSO BE TIED TO THE FLOOR SYSTEM USING IDENTICAL STRAPPING PROCEDURES.
- ALL ROOF GIRDER TRUSSES TO BE TIED TO THE WALL USING (1) SIMPSON VGT GIRDER TIE DOWNS w/ HDU4's OR (2) TS22 STRAPS UNLESS NOTED OTHERWISE ON THE PLAN OR AS RECOMMENDED BY TRUSS MANUFACTURER.
- ALL TIES/STRAPS/HOLDOWNS REFERENCED ON PLANS ARE SIMPSON PRODUCTS. ALL TIES/STRAPS/HOLDOWNS MUST BE INSTALLED AT THE PLAN INDICATED LOCATIONS PER MANUFACTURER SPECIFICATIONS. ALL HOLDOWNS TO BE INSTALLED TO SYP STUDS.

FRAMING LEGEND

- ROOF TRUSSES PER MANF. @ MAX 24" O.C.
- R.T. = TRUSS DESIGN TO HAVE NO INTERMEDIATE BEARING U.N.O.
- G.T. = GIRDER TRUSS PER MANF.
- B.B. = BEAM BELOW
- D.R. = DOUBLE RAFTER
- T.R. = TRIPLE RAFTER
- R.B. = RAFTER BRACE
- R.F.V. = RAFTERS FORM VAULT
- B.R.O.W. = BRACE RAFTERS ON WALL
- D.J. = DOUBLE JOIST
- E.O.R. = ENGINEER OF RECORD
- E.E. = EACH END
- E.S. = EACH SIDE
- E.W. = EACH WAY
- HDR = HEADER
- B.W.A. = BEARING WALL ABOVE. PROVIDE BLOCKING b/n JOISTS/TRUSSES
- ⊗ = ROOF BRACE POINT AND BRACE TO POINT
- ▨ = AREA TO BE OVERFRAMED
- ▧ = INTERIOR BEARING WALL
- PROVIDE 6"X4"X3/8" STEEL ANGLE ATTACHED TO
- * = HEADER/BEAM FRAMING w/ (2) ROWS 2"X4" LAGS @ 16" O.C. FOR BRICK SUPPORT
- ** = ATTACH LVL PLY'S w/ (2) ROWS 2"X3" SDS SCREWS @ 16" O.C.
- *** = ATTACH LVL PLY'S w/ (2) ROWS 2"X3" SDS SCREWS @ 16" O.C. ON E.S. OF BEAM
- **** = ATTACH LVL PLY'S w/ (2) ROWS 2"X6" SDS SCREWS @ 16" O.C. ON E.S. OF BEAM
- NUMBER OF STUDS @ INTERIOR WALLS.
- # = STUDS TO BE SAME SIZE AS ASSOCIATED WALL FRAMING STUDS U.N.O.
- NUMBER OF JACK STUDS AND NUMBER OF KING STUDS @ EXTERIOR WALLS. STUDS TO BE SAME SIZE AS ASSOCIATED WALL FRAMING STUDS U.N.O.
- #J,#K = CONTINUOUS SHEATHING PORTAL FRAME (SEE DETAILS)
- CSPF = CONTINUOUS SHEATHING PORTAL FRAME (SEE DETAILS)
- = DIRECTION OF JOIST/TRUSS SPAN.
- ① = 2X6 (SYP#2) @ 16" O.C.
- ② = 2X8 (SYP#2) @ 16" O.C.
- ③ = 2X10 (SYP#2) @ 16" O.C.
- ④ = 2X12 (SYP#2) @ 16" O.C.
- ⑤ = 16" OPEN WEB FLOOR TRUSSES PER MANF.



FRAMING NOTE:
ALL EXTERIOR WALLS THIS LEVEL TO BE MIN 2X4 @ 16" O.C. U.N.O. (SEE EXTERIOR STUD WALL REQUIREMENTS CHART FOR ADDITIONAL REQUIREMENTS)

TYPICAL HANGERS

MEMBER	HANGER
2X8	LUS28
2X10	LUS210
2X12	LUS210
(2) 2X8	HUS28-2
(2) 2X10	HUS210-2
(2) 2X12	HUS212-2
(3) 2X8	LUS28-3
(3) 2X10	LUS210-3
(3) 2X12	LUS210-3
(2) 9 1/2" / (2) 11 1/8" LVL	HGUS410
(2) 14" / (2) 16" / (2) 18" LVL	HGUS414
(3) 9 1/2" LVL	HGUS5.50/10
(3) 11 1/8" LVL	HGUS5.50/12
(3) 14" / (3) 16" / (3) 18" LVL	HGUS5.50/14
(4) 9 1/2" LVL	HGUS7.25/10
(4) 11 1/8" LVL	HGUS7.25/12
(4) 14" / (4) 16" / (4) 18" LVL	HGUS7.25/14

EXTERIOR WALL STUD REQUIREMENTS

EXT. STUD HEIGHT (h)	MIN. STUD SIZE AND SPACING U.N.O. IN FRAMING NOTES OR ON FRAMING PLANS
h ≤ 10'-0"	SEE FRAMING NOTES
10'-0" < h ≤ 13'-0"	2X6 @ 16" O.C.
13'-0" < h ≤ 16'-0"	2X6 @ 12" O.C.
16'-0" < h ≤ 20'-0"	2-2X6 @ 16" O.C.
h > 20'-0"	CONSULT ENGINEER



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		1/4" = 1'-0"
DATE:		07/26/2024

Ceiling Framing Plan

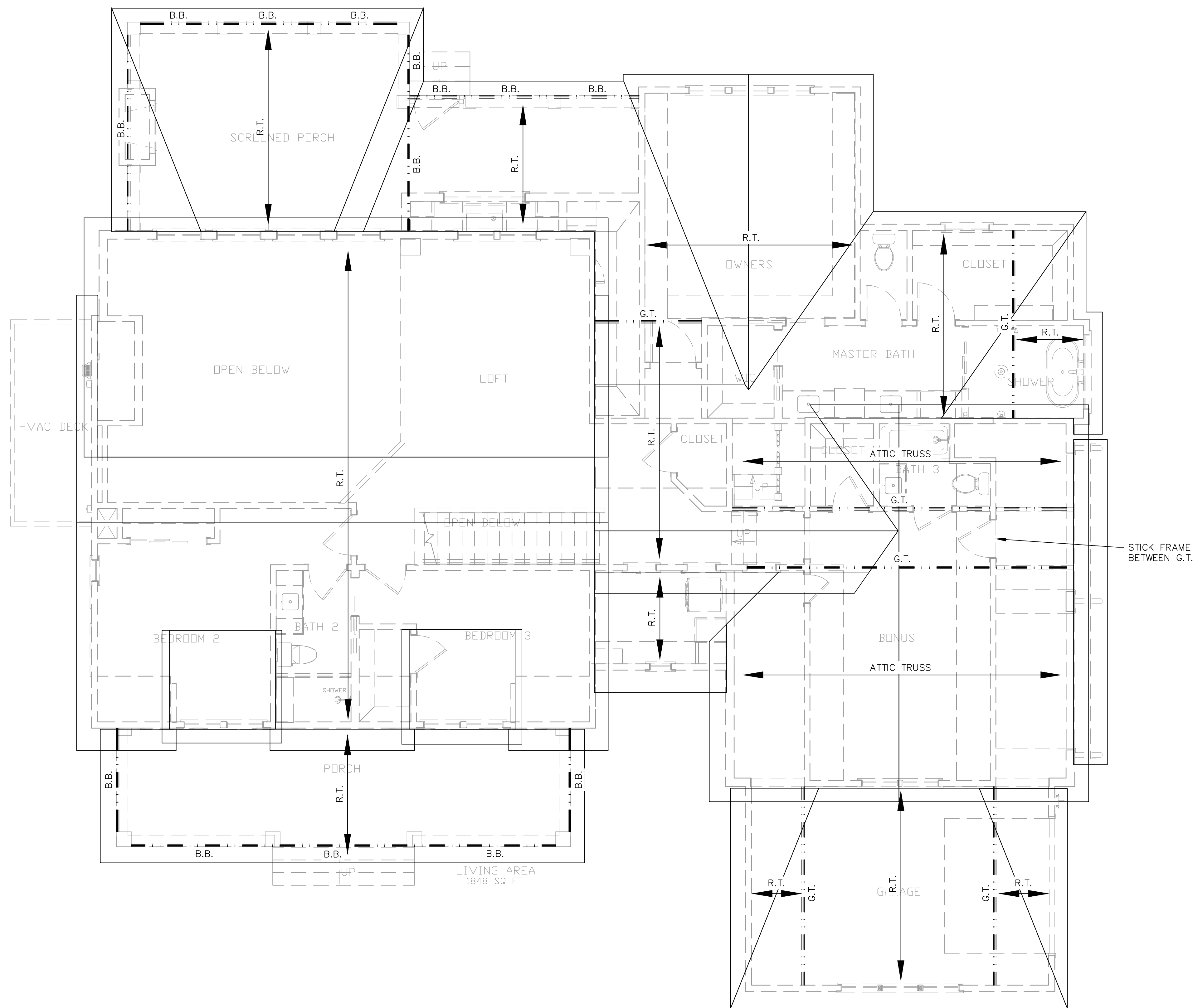
SHEET:
S3

FRAMING NOTES

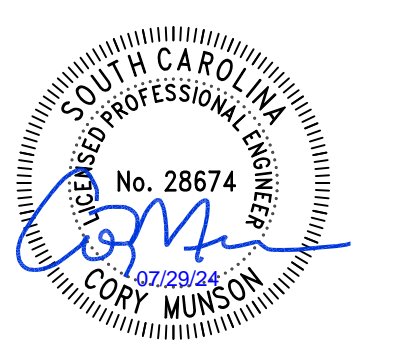
- ALL RAFTERS TO BE 2X8's (SYP#2) @ 16" O.C. U.N.O.
- ALL RIDGES AND HIPS ARE CONSIDERED NON-STRUCTURAL U.N.O.
- ALL RAFTERS FRAMING INTO NON-STRUCTURAL RIDGES AND HIPS MUST BE CONNECTED TO CEILING JOISTS OR HAVE RAFTER TIES AS DETAILED ON SHEET SD1.0
- ALL RIDGES, HIPS AND VALLEYS TO BE DIMENSIONAL LUMBER (SYP#2) MINIMUM 1 SIZE LARGER THAN ASSOCIATED RAFTERS U.N.O.
- ALL RAFTERS/TRUSSES TO BE TIED TO ALL SUPPORTING WALL PLATES WITH (2) SIMPSON H2.5A TIES OR (1) H10A OR AS NOTED ON PLANS) NAILED PER MANUFACTURER SPECIFICATIONS.
- AT CLIP LINES, CEILING JOISTS TO BE NAILED TO RAFTERS w/ (5)16d NAILS U.N.O.
- INSTALL SIMPSON CS16 STRAP TIES AT EACH END OF ALL EXTERIOR HEADERS FOR UPLIFT CONNECTIONS. PROVIDE (1) STRAP @ EACH END FOR EVERY 6'-0" WIDTH OF OPENING. PROVIDE EXTRA STUDS AS NECESSARY FOR CONNECTIONS.
- INSTALL SIMPSON CS16 STRAP TIES ALONG EXTERIOR WALLS INLINE WITH ALL HEADER UPLIFT CONNECTIONS ABOVE. STRAPS TO BE CENTERED AT 2nd FLOOR SYSTEM
- INSTALL AN EXTRA JOIST UNDER ALL PARALLEL PARTITION WALLS. NOTE, NOT ALL EXTRA JOISTS SHOWN FOR CLARITY
- TRANSFER ALL POINT LOADS FROM ABOVE THROUGH FLOOR SYSTEMS w/ AN EQUAL AMOUNT OF STUD MATERIAL
- ALL 2-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (3) ROWS 10d NAILS @ 12" O.C. (U.N.O.)
- ALL 3-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (3) ROWS 10d NAILS @ 12" O.C. EACH SIDE (U.N.O.)
- ALL 4-PLY LVL'S TO HAVE PLY'S ATTACHED W/ (2) ROWS 2"x6" SDS SCREWS @ 24" O.C. EACH SIDE (U.N.O.)
- ALL HOLDOWNS REFERENCED ARE SIMPSON PRODUCTS U.N.O.
- FLOOR DIAPHRAGM WILL BE 3/4" T&G PLYWOOD SHEATHING FASTENED TO FRAMING W/ 10d NAILS @ 6" O.C. EDGE AND 12" O.C. ALONG INTERMEDIATE MEMBERS. PROVIDE 2X BLOCKING @ 48" O.C. IN 1ST 2 BAYS OF DIAPHRAGM.
- THE ROOF SHEATHING WILL BE MINIMUM 5/8" STRUCTURAL SHEATHING ATTACHED W/ 8d NAILS @ 6" O.C. AT ALL PANEL EDGES AND 6" O.C. AT ALL OTHER SUPPORTING MEMBERS. THE ROOF SHEATHING WILL BE ATTACHED WITH 8d NAILS @ 4" O.C. AT THE GABLE END FRAMING. SEE FRAMING DETAILS FOR BLOCKING REQUIREMENTS.
- ALL STRUCTURAL RIDGE BEAMS MUST BE TIED TO THEIR RESPECTIVE STUD SUPPORTS WITH (2) SIMPSON MSTA24 STRAP TIES WITH A MINIMUM 9-10d NAILS AT EACH STRAP END. THE SUBJECT BEAM STUD SUPPORTS MUST ALSO BE TIED TO THE FLOOR SYSTEM USING IDENTICAL STRAPPING PROCEDURES.
- ALL ROOF GIRDER TRUSSES TO BE TIED TO THE WALL USING (1) SIMPSON VGT GIRDER TIE DOWNS w/ HDU4's OR (2) TS22 STRAPS UNLESS NOTED OTHERWISE ON THE PLAN OR AS RECOMMENDED BY TRUSS MANUFACTURER.
- ALL TIES/STRAPS/HOLDOWNS REFERENCED ON PLANS ARE SIMPSON PRODUCTS. ALL TIES/STRAPS/HOLDOWNS MUST BE INSTALLED AT THE PLAN INDICATED LOCATIONS PER MANUFACTURER SPECIFICATIONS. ALL HOLDOWNS TO BE INSTALLED TO SYP STUDS.

FRAMING LEGEND

- ROOF TRUSSES PER MANF. @ MAX 24" O.C.
- R.T. = TRUSS DESIGN TO HAVE NO INTERMEDIATE BEARING U.N.O.
- G.T. = GIRDER TRUSS PER MANF.
- B.B. = BEAM BELOW
- D.R. = DOUBLE RAFTER
- T.R. = TRIPLE RAFTER
- R.B. = RAFTER BRACE
- R.F.V. = RAFTERS FORM VAULT
- B.R.O.W. = BRACE RAFTERS ON WALL
- D.J. = DOUBLE JOIST
- E.O.R. = ENGINEER OF RECORD
- E.E. = EACH END
- E.S. = EACH SIDE
- E.W. = EACH WAY
- HDR = HEADER
- B.W.A. = BEARING WALL ABOVE. PROVIDE BLOCKING b/w JOISTS/TRUSSES
- ⊗ = ROOF BRACE POINT AND BRACE TO POINT
- ▨ = AREA TO BE OVERFRAMED
- ▧ = INTERIOR BEARING WALL
- PROVIDE 6"x4"x3/4" STEEL ANGLE ATTACHED TO *
- * = HEADER/BEAM FRAMING w/ (2) ROWS 2"x4" LAGS @ 16" O.C. FOR BRICK SUPPORT
- ** = ATTACH LVL PLY'S w/ (2) ROWS 2"x3 1/2" SDS SCREWS @ 16" O.C.
- *** = ATTACH LVL PLY'S w/ (2) ROWS 2"x3 1/2" SDS SCREWS @ 16" O.C. ON E.S. OF BEAM
- **** = ATTACH LVL PLY'S w/ (2) ROWS 2"x6" SDS SCREWS @ 16" O.C. ON E.S. OF BEAM
- ⊕ = NUMBER OF STUDS @ INTERIOR WALLS. STUDS TO BE SAME SIZE AS ASSOCIATED WALL FRAMING STUDS U.N.O.
- ⊕# = NUMBER OF JACK STUDS AND NUMBER OF KING STUDS @ EXTERIOR WALLS. STUDS TO BE SAME SIZE AS ASSOCIATED WALL FRAMING STUDS U.N.O.
- CSPF = CONTINUOUS SHEATHING PORTAL FRAME (SEE DETAILS)
- = DIRECTION OF JOIST/TRUSS SPAN.
- ① = 2X6 (SYP#2) @ 16" O.C.
- ② = 2X8 (SYP#2) @ 16" O.C.
- ③ = 2X10 (SYP#2) @ 16" O.C.
- ④ = 2X12 (SYP#2) @ 16" O.C.
- ⑤ = 16" OPEN WEB FLOOR TRUSSES PER MANF.



Residential Structures, P.C.
 Engineering and Design
 Charlotte: 704-332-5460
 Myrtle Beach/Florence: 843-406-7174
 www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
 4215 Fellowship Rd.
 N. Charleston, SC 29418

Plans to be used in conjunction with Residential Structures P.C. general notes

Schehle Residence
 118 Peninsula Drive
 Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		1/4"=1'-0"
DATE:		07/26/2024

Roof Framing Plan

SHEET:
S4

SHEAR WALL NOTES

1. ALL EXTERIOR WALLS MUST BE CONTINUOUSLY SHEATHED USING 7/16" STRUCTURAL SHEATHING ON THE OUTSIDE, WITH PANELS SECURED DIRECTLY TO THE FRAMING (SEE SHEARWALL LEGEND BELOW AND SHEATHING DETAILS FOR NAILING PATTERNS). BLOCKING MUST BE PROVIDED AT ALL SHEATHING PANEL JOINTS. THE INTERIOR SIDE OF ALL EXTERIOR SHEAR WALL MUST BE SHEATHED AS DEFINED IN NOTE 2.
2. THE INTERIOR SIDE OF ALL EXTERIOR SHEAR WALLS MUST BE CONSTRUCTED USING 1/2" GYPSUM SHEATHING ON EACH SIDE SECURED WITH NO. 6 DRYWALL SCREWS AT 4" O.C. ON ALL PANEL EDGES AND 12" O.C. IN THE FIELD WITH A 1 1/2" MINIMUM PENETRATION.
3. ALL INTERIOR SHEAR WALLS MUST BE SHEATHED ON ONE SIDE WITH 7/16" STRUCTURAL SHEATHING NAILED PER NOTE A ABOVE WITH SHEETROCK ON MIN. 1 SIDE OF THE WALL WITH ATTACHMENT PER NOTE B ABOVE. (SEE SHEARWALL LEGEND BELOW AND SHEATHING DETAILS FOR NAILING PATTERNS) (NOTE: THIS DOES NOT APPLY TO WALLS NOTED AS METHOD GB. SEE DETAILS FOR METHOD GB REQUIREMENTS)
4. ALL SHEAR WALLS MUST BE PROPERLY ATTACHED TO UPPER AND LOWER ROOF/FLOOR DIAPHRAGMS. SEE DETAILS FOR ATTACHMENTS.

WINDBORNE DEBRIS PROTECTION

1. BUILDING IS DESIGNED TO REMAIN A CLOSED ENVELOPE DURING WIND EVENTS.
2. ALL EXTERIOR WINDOWS AND DOORS SHALL BE RATED FOR THE DESIGN PRESSURE REFERENCED IN THE GENERAL NOTES.
3. ALL FENESTRATION SHALL BE TESTED BY AN APPROVED INDEPENDENT LABORATORY LISTED BY AN APPROVED ENTITY AND SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF ASTM E1886 AND ASTM E1996 OR AAMA 506.
4. ALL EXTERIOR GLAZED OPENINGS SHALL BE PROTECTED FROM WINDBORNE DEBRIS. PROTECTION SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E1996 AND ASTM E1886. GARAGE DOOR GLAZED OPENING PROTECTION SHALL MEET THE REQUIREMENTS OF AN APPROVED IMPACT-RESISTING STANDARD OR ANS/DASMA 115.
5. WINDBORNE DEBRIS PROTECTION MAY BE ACHIEVED THROUGH IMPACT RESISTANT GLASS RATED IN ACCORDANCE WITH STANDARDS NOTED ABOVE OR WOOD STRUCTURAL PANELS. WOOD STRUCTURAL PANELS MAY BE USED FOR OPENINGS 8-FEET OR LESS ONLY. GLAZED OPENINGS GREATER THAN 8-FEET MUST USE IMPACT RESISTANT GLASS OR OTHER PRE-MANUFACTURED SYSTEM IN ACCORDANCE WITH ABOVE REQUIREMENTS.
6. WINDBORNE DEBRIS PROTECTION UTILIZING WOOD STRUCTURAL PANELS SHALL UTILIZE PANELS NOT LESS THAN 7/16-INCHES THICK AND NOT SPANNING MORE THAN 8 FEET. THE ATTACHMENT METHOD SHALL UTILIZE A PRE-MANUFACTURED SCREW BASED SYSTEM TO BE PERMANENTLY ATTACHED TO THE BUILDING AND MUST BE RATED FOR THE FOR THE DESIGN PRESSURE REFERENCED ABOVE. ALL SCREWS/HARDWARE SHALL BE CORROSION RESISTANT AND SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS. ADDITIONAL STUDS MAY BE ADDED AS NECESSARY TO ALLOW FOR SCREWS/HARDWARE INSTALLATION TO BE IN ACCORDANCE w/ MANUFACTURER SPECIFICATIONS.
7. IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO SUBMIT/PROVIDE ALL REQUIRED DOCUMENTATION RELATED TO WINDBORNE DEBRIS PROTECTION AS REQUIRED FOR APPROVAL BY THE GOVERNING REVIEW AGENCY.

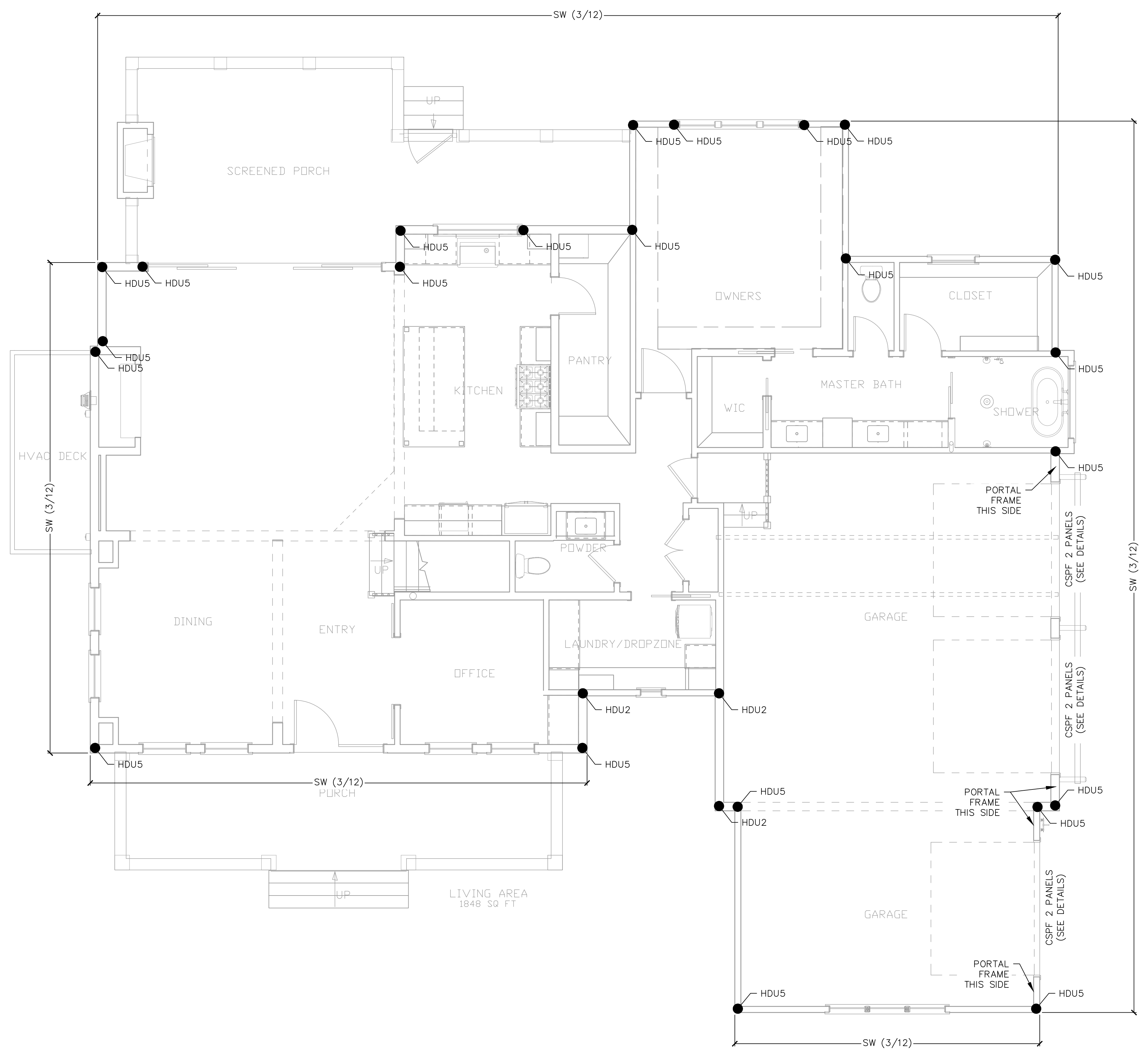
SHEAR WALL LEGEND:

- INTERIOR SHEAR WALL. ALL INTERIOR SHEAR WALLS IDENTIFIED TO BE SHEATHED PER SW(6/12) U.N.O. (SEE DETAILS)
- METHOD G.B. (NOTE: METHOD G.B. IS CONSIDERED A WALL BRACING METHOD AND NOT AN INTERIOR SHEAR WALL. OSB/PLYWOOD IS NOT REQUIRED IN THIS INSTALLATION AND FRAMING NOTES RELATED TO INTERIOR SHEAR WALL CONSTRUCTION IS NOT APPLICABLE. SEE METHOD G.B. DETAIL FOR REQUIREMENTS)
- HOLD DOWN LOCATIONS (ALL HOLD DOWNS ARE SIMPSON PRODUCTS U.N.O.)

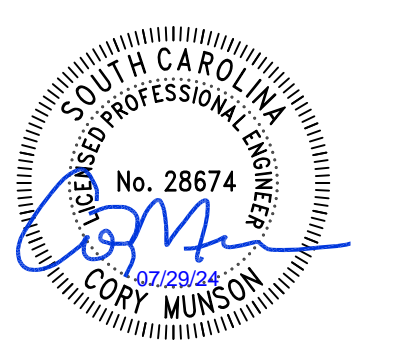
SHEAR WALL NAILING LEGEND

NOTE: ALL EXTERIOR WALLS ARE CONTINUOUSLY SHEATHED (METHOD CS-WSP) PER HIGH WIND NOTE 1A, U.N.O. INTERIOR SHEAR WALLS ARE INDICATED ON PLANS AND SHEATHED SHEAR WALL NOTE 1. NAILING PATTERN FOR ALL SHEAR WALLS AS INDICATED BELOW. ALL SHEAR WALLS TO BE ATTACHED PER SW (6/12) U.N.O. ON PLANS. (SEE SHEATHING DETAILS FOR NAILING PATTERNS).

FIELD FASTENER SPACING
EDGE FASTENER SPACING
SW = SHEAR WALL → SW (6/12)



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		1/4"=1'-0"
DATE:	07/26/2024	

1st Floor Shear Wall, Method GB and Hold Down Plan

SHEET: **S5**




SHEAR WALL NOTES

- ALL EXTERIOR WALLS MUST BE CONTINUOUSLY SHEATHED USING 7/16" STRUCTURAL SHEATHING ON THE OUTSIDE, WITH PANELS SECURED DIRECTLY TO THE FRAMING (SEE SHEARWALL LEGEND BELOW AND SHEATHING DETAILS FOR NAILING PATTERNS). BLOCKING MUST BE PROVIDED AT ALL SHEATHING PANEL JOINTS. THE INTERIOR SIDE OF ALL EXTERIOR SHEAR WALL MUST BE SHEATHED AS DEFINED IN NOTE 2.
- THE INTERIOR SIDE OF ALL EXTERIOR SHEAR WALLS MUST BE CONSTRUCTED USING 1/2" GYPSUM SHEATHING ON EACH SIDE SECURED WITH NO. 6 DRYWALL SCREWS AT 4" O.C. ON ALL PANEL EDGES AND 12" O.C. IN THE FIELD WITH A 1/4" MINIMUM PENETRATION.
- ALL INTERIOR SHEAR WALLS MUST BE SHEATHED ON ONE SIDE WITH 7/16" STRUCTURAL SHEATHING NAILED PER NOTE A ABOVE WITH SHEETROCK ON MIN. 1 SIDE OF THE WALL WITH ATTACHMENT PER NOTE B ABOVE. (SEE SHEARWALL LEGEND BELOW AND SHEATHING DETAILS FOR NAILING PATTERNS) (NOTE: THIS DOES NOT APPLY TO WALLS NOTED AS METHOD GB. SEE DETAILS FOR METHOD GB REQUIREMENTS)
- ALL SHEAR WALLS MUST BE PROPERLY ATTACHED TO UPPER AND LOWER ROOF/FLOOR DIAPHRAGMS. SEE DETAILS FOR ATTACHMENTS.

WINDBORNE DEBRIS PROTECTION

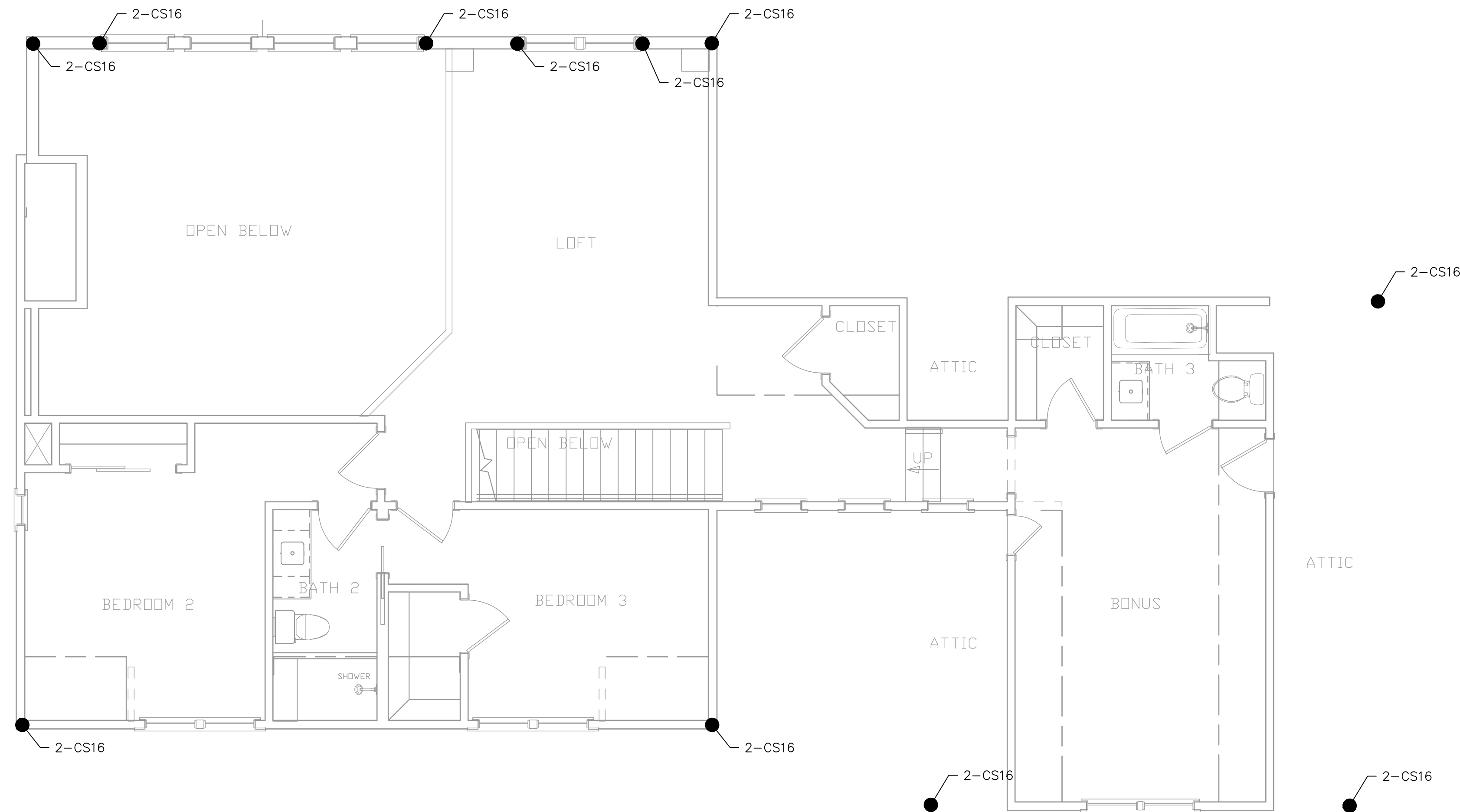
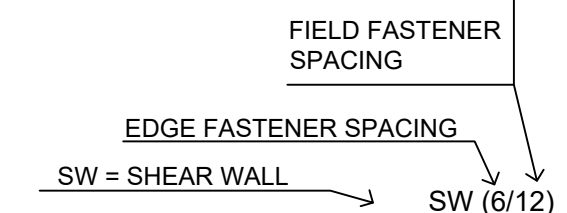
- BUILDING IS DESIGNED TO REMAIN A CLOSED ENVELOPE DURING WIND EVENTS.
- ALL EXTERIOR WINDOWS AND DOORS SHALL BE RATED FOR THE DESIGN PRESSURE REFERENCED IN THE GENERAL NOTES.
- ALL FENESTRATION SHALL BE TESTED BY AN APPROVED INDEPENDENT LABORATORY LISTED BY AN APPROVED ENTITY AND SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF ASTM E1886 AND ASTM E1996 OR AAMA 506.
- ALL EXTERIOR GLAZED OPENINGS SHALL BE PROTECTED FROM WINDBORNE DEBRIS. PROTECTION SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E1996 AND ASTM E1886. GARAGE DOOR GLAZED OPENING PROTECTION SHALL MEET THE REQUIREMENTS OF AN APPROVED IMPACT-RESISTING STANDARD OR ANSI/DASMA 115.
- WINDBORNE DEBRIS PROTECTION MAY BE ACHIEVED THROUGH IMPACT RESISTANT GLASS RATED IN ACCORDANCE WITH STANDARDS NOTED ABOVE OR WOOD STRUCTURAL PANELS. WOOD STRUCTURAL PANELS MAY BE USED FOR OPENINGS 8-FEET OR LESS ONLY. GLAZED OPENINGS GREATER THAN 8-FEET MUST USE IMPACT RESISTANT GLASS OR OTHER PRE-MANUFACTURED SYSTEM IN ACCORDANCE WITH ABOVE REQUIREMENTS.
- WINDBORNE DEBRIS PROTECTION UTILIZING WOOD STRUCTURAL PANELS SHALL UTILIZE PANELS NOT LESS THAN 7/16-INCHES THICK AND NOT SPANNING MORE THAN 8-FEET. THE ATTACHMENT METHOD SHALL UTILIZE A PRE-MANUFACTURED SCREW BASED SYSTEM TO BE PERMANENTLY ATTACHED TO THE BUILDING AND MUST BE RATED FOR THE FOR THE DESIGN PRESSURE REFERENCED ABOVE. ALL SCREWS/HARDWARE SHALL BE CORROSION RESISTANT AND SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS. ADDITIONAL STUDS MAY BE ADDED AS NECESSARY TO ALLOW FOR SCREWHARDWARE INSTALLATION TO BE IN ACCORDANCE w/ MANUFACTURER SPECIFICATIONS.
- IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO SUBMIT/PROVIDE ALL REQUIRED DOCUMENTATION RELATED TO WINDBORNE DEBRIS PROTECTION AS REQUIRED FOR APPROVAL BY THE GOVERNING REVIEW AGENCY.

SHEAR WALL LEGEND:

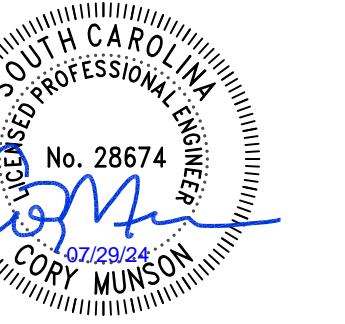
-  INTERIOR SHEAR WALL. ALL INTERIOR SHEAR WALLS IDENTIFIED TO BE SHEATHED PER SW(6/12) U.N.O. (SEE DETAILS)
-  METHOD G.B. (NOTE: METHOD G.B. IS CONSIDERED A WALL BRACING METHOD AND NOT AN INTERIOR SHEAR WALL. OSB/PLYWOOD IS NOT REQUIRED IN THIS INSTALLATION AND FRAMING NOTES RELATED TO INTERIOR SHEAR WALL CONSTRUCTION IS NOT APPLICABLE. SEE METHOD G.B. DETAIL FOR REQUIREMENTS)
-  HOLD DOWN LOCATIONS (ALL HOLD DOWNS ARE SIMPSON PRODUCTS U.N.O.)

SHEAR WALL NAILING LEGEND

NOTE: ALL EXTERIOR WALLS ARE CONTINUOUSLY SHEATHED (METHOD CS-WSP) PER HIGH WIND NOTE 1A, U.N.O. INTERIOR SHEAR WALLS ARE INDICATED ON PLANS AND SHEATHED SHEAR WALL NOTE 1, NAILING PATTERN FOR ALL SHEAR WALLS AS INDICATED BELOW. ALL SHEAR WALLS TO BE ATTACHED PER SW (6/12) U.N.O. ON PLANS. (SEE SHEATHING DETAILS FOR NAILING PATTERNS).



Residential Structures, P.C.
 Engineering and Design
 Charlotte: 704-332-5460
 Charleston: 843-406-7174
 Myrtle Beach/Florence: 704-301-9521
 www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
 4215 Fellowship Rd.
 N. Charleston, SC 29418

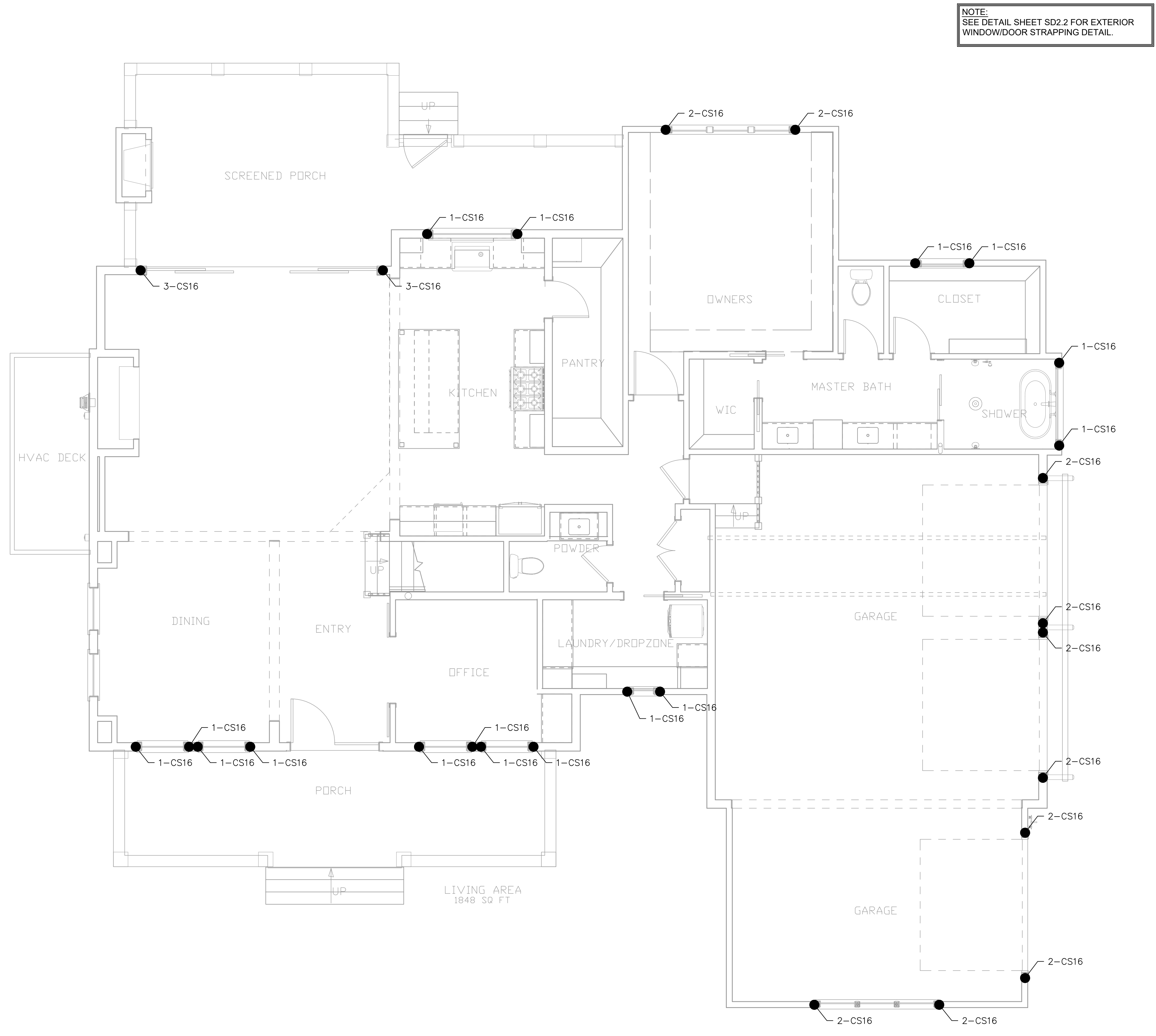
Plans to be used in conjunction
 with Residential Structures P.C.
 general notes

Schehlein Residence
 118 Peninsula Drive
 Ravenel, SC 29470

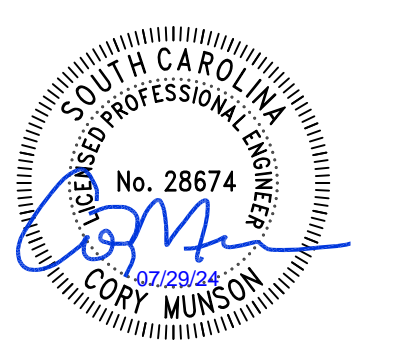
REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		1/4"=1'-0"
DATE:		07/26/2024

**2nd Floor Shear Wall,
 Method GB and
 Hold Down Plan**

SHEET:
S6



Residential Structures, P.C.
 Engineering and Design
 Charlotte: 704-332-5460
 Myrtle Beach/Florence: 704-301-9521
 www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
 4215 Fellowship Rd.
 N. Charleston, SC 29418

Plans to be used in conjunction
 with Residential Structures P.C.
 general notes

Schehle Residence
118 Peninsula Drive
Ravenel, SC 29470

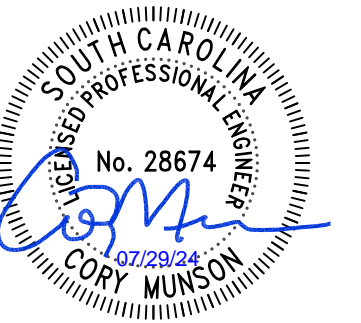
REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		1/4"=1'-0"
DATE:		07/26/2024

**1st Floor Header
 Strapping Plan**

SHEET:
S7



Residential Structures, P.C.
 Engineering and Design
 Charlotte: 704-332-5460
 Myrtle Beach/Florence: 704-301-9521
 www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



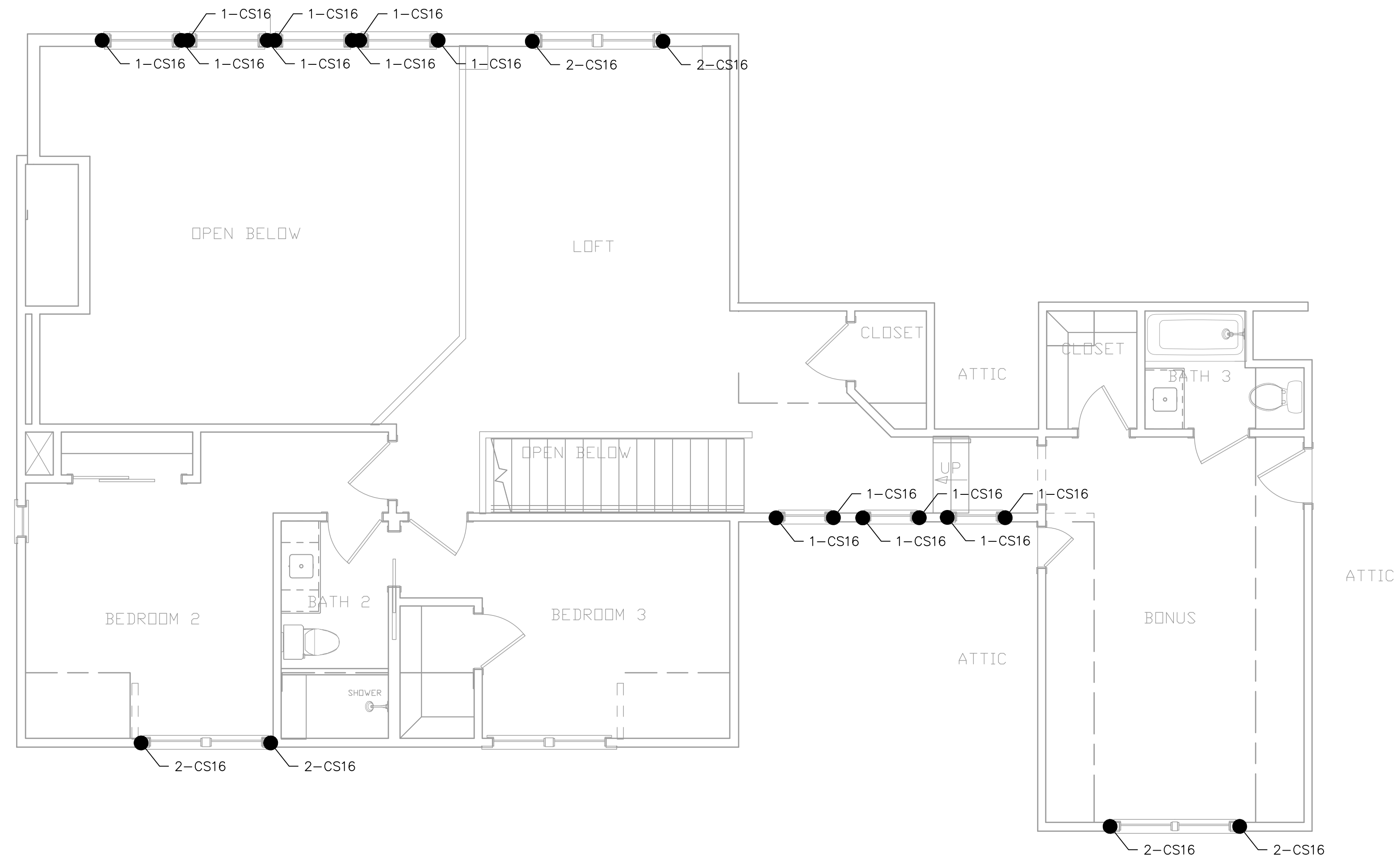
SC COA NO. 3835

Residential Structures, P.C.
 4215 Fellowship Rd.
 N. Charleston, SC 29418

Plans to be used in conjunction
 with Residential Structures P.C.
 general notes

Schehle Residence
118 Peninsula Drive
Ravenel, SC 29470

NOTE:
 SEE DETAIL SHEET SD2.2 FOR EXTERIOR
 WINDOW/DOOR STRAPPING DETAIL.

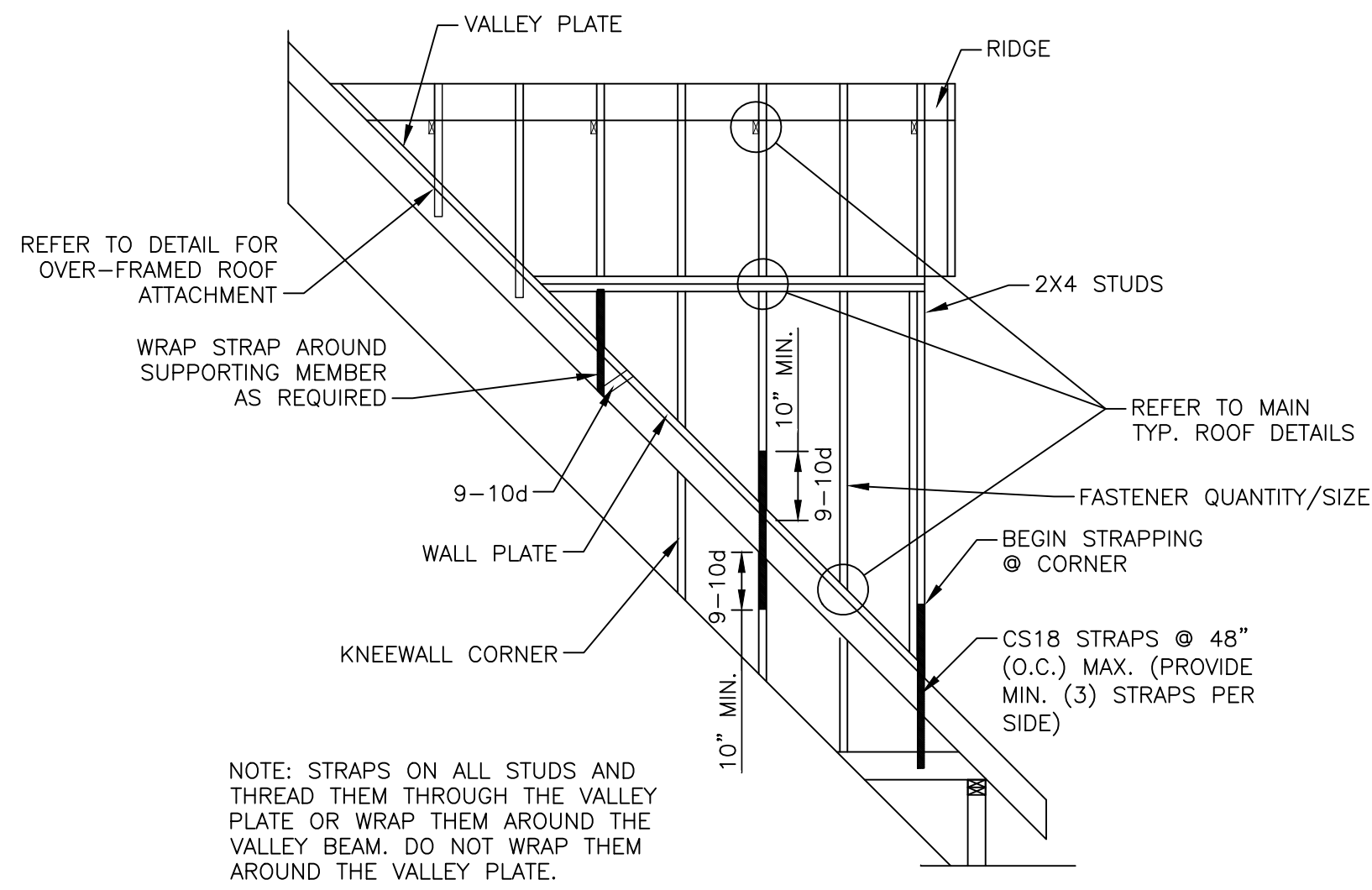


REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		1/4"=1'-0"
DATE:		07/26/2024

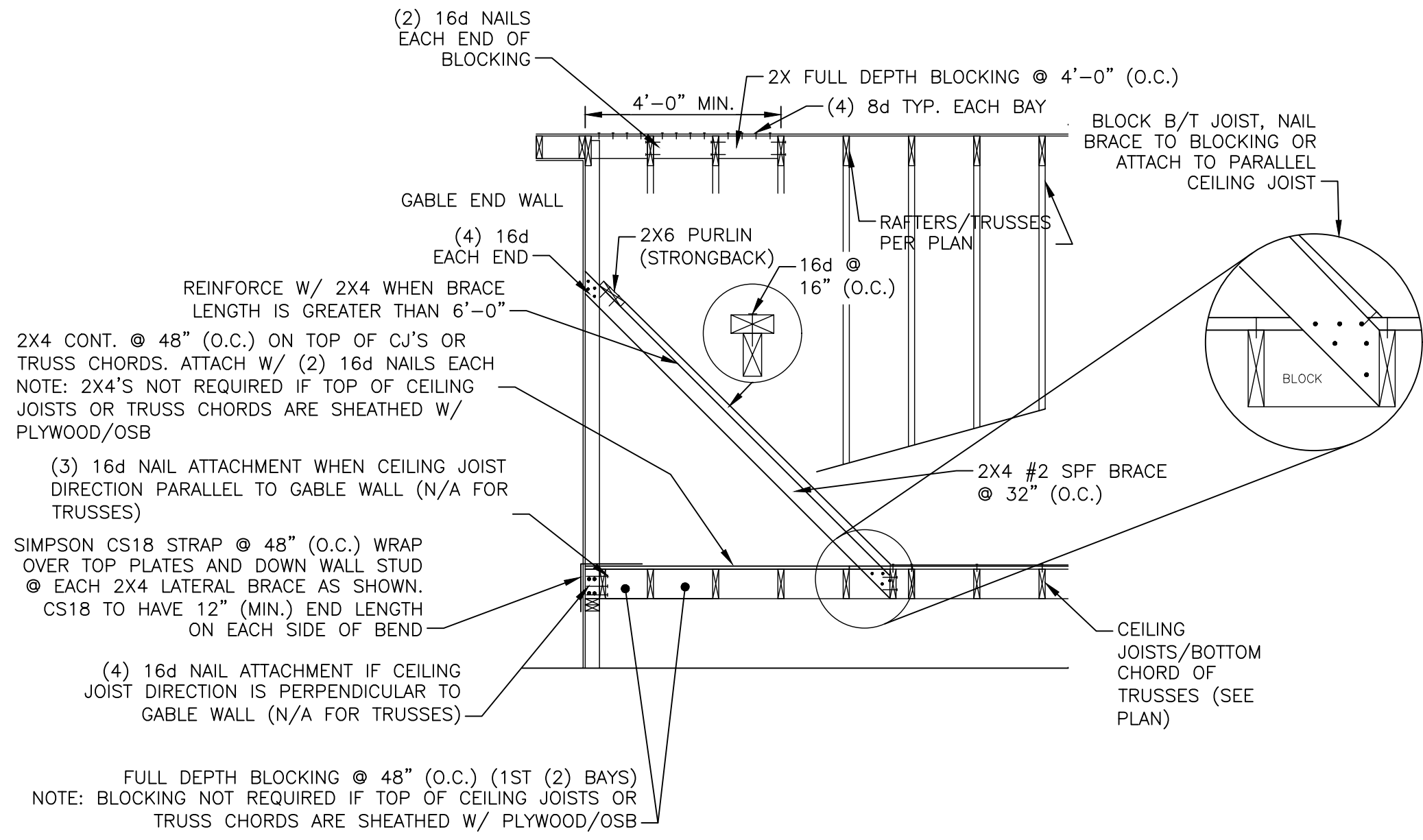
**2nd Floor Header
 Strapping Plan**

SHEET:

S8

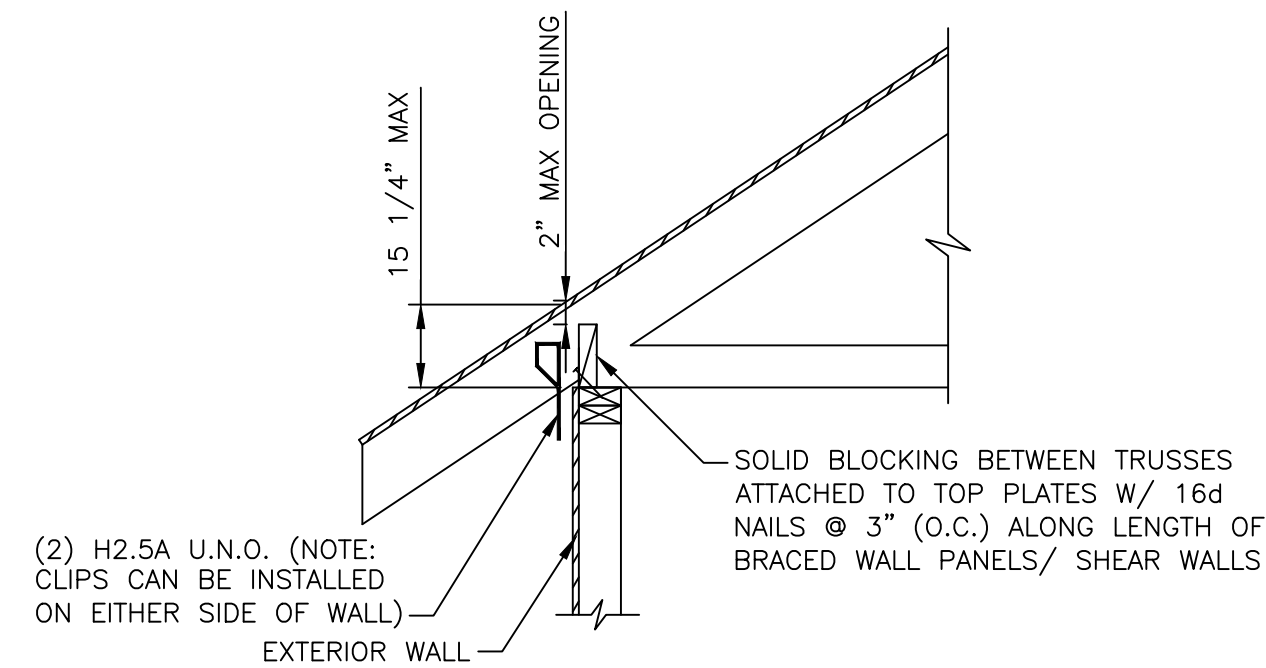


○ TYP. FRAMING AT DORMER
N.T.S.

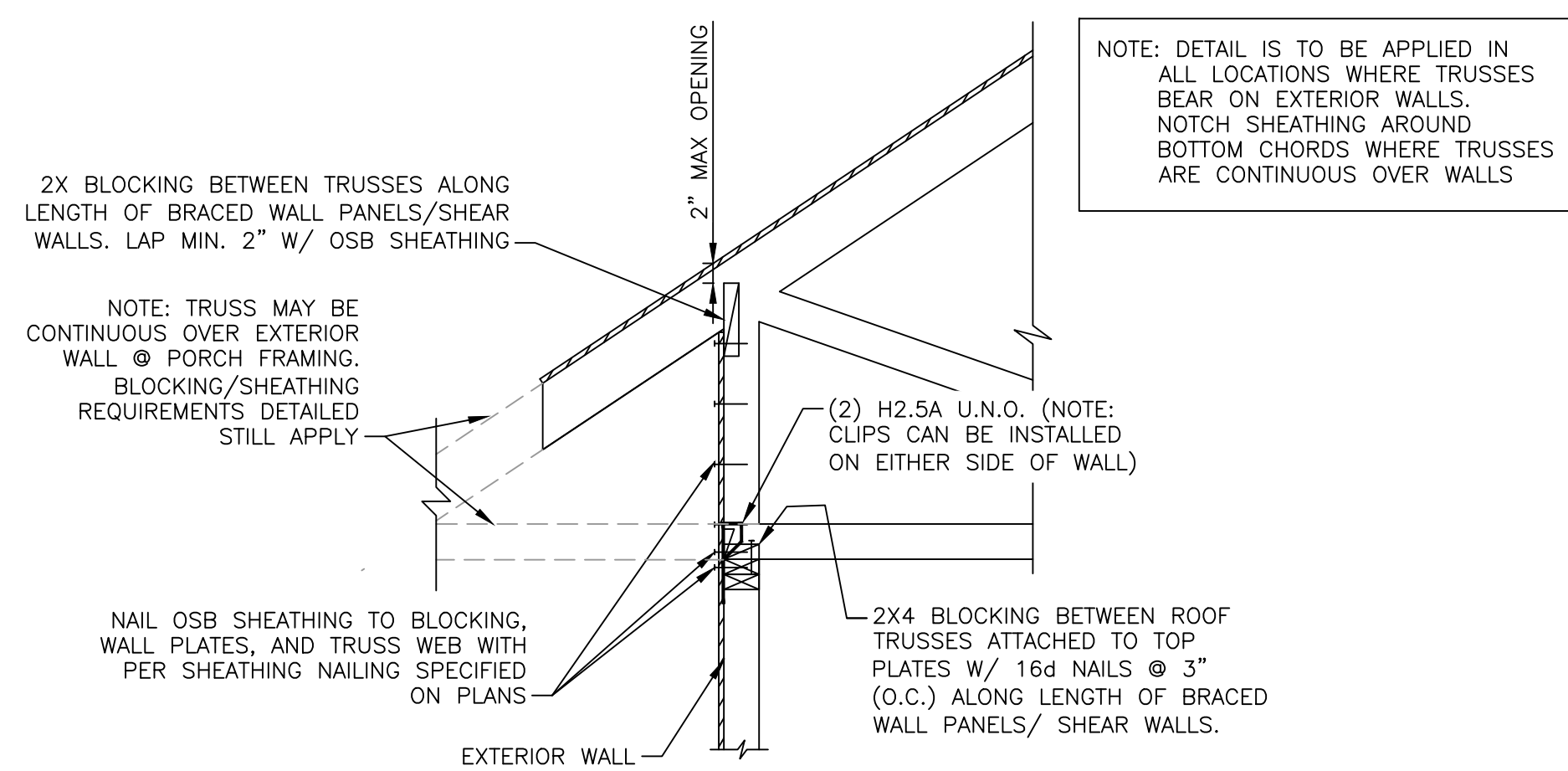


○ GABLE END WALL BRACING (IF NOT BALLOON FRAMED)
N.T.S.

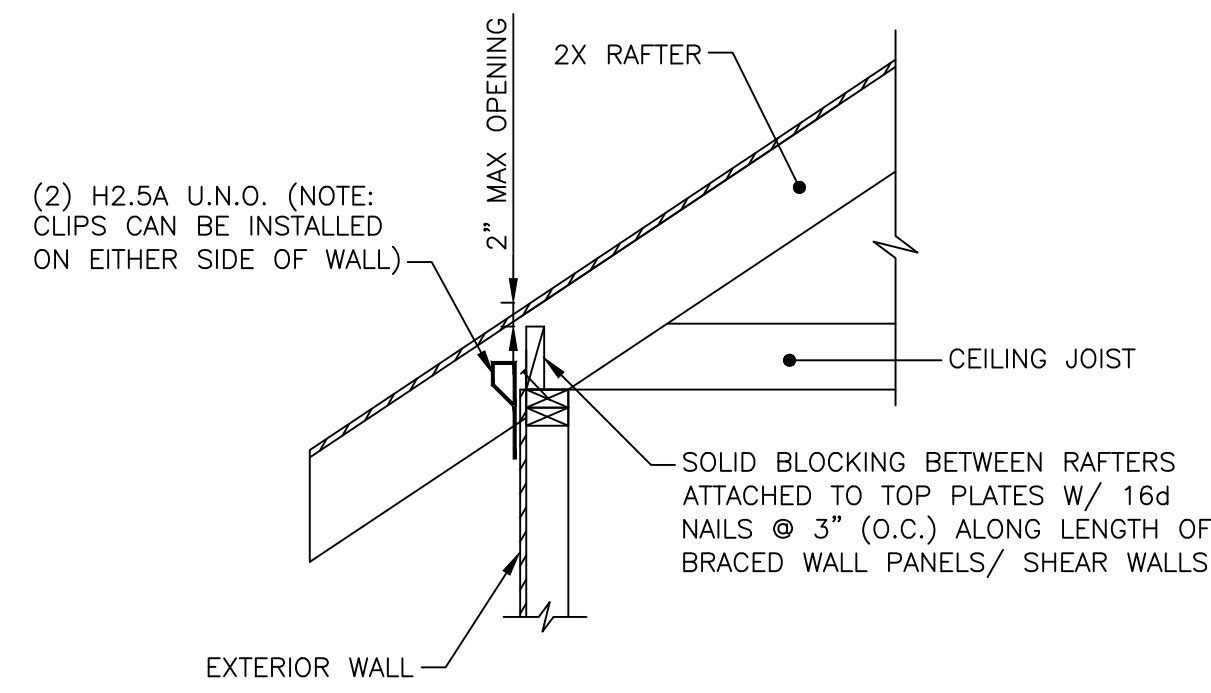
HEEL HEIGHT GREATER THAN 9 1/4" AND LESS THAN 15 1/4" :



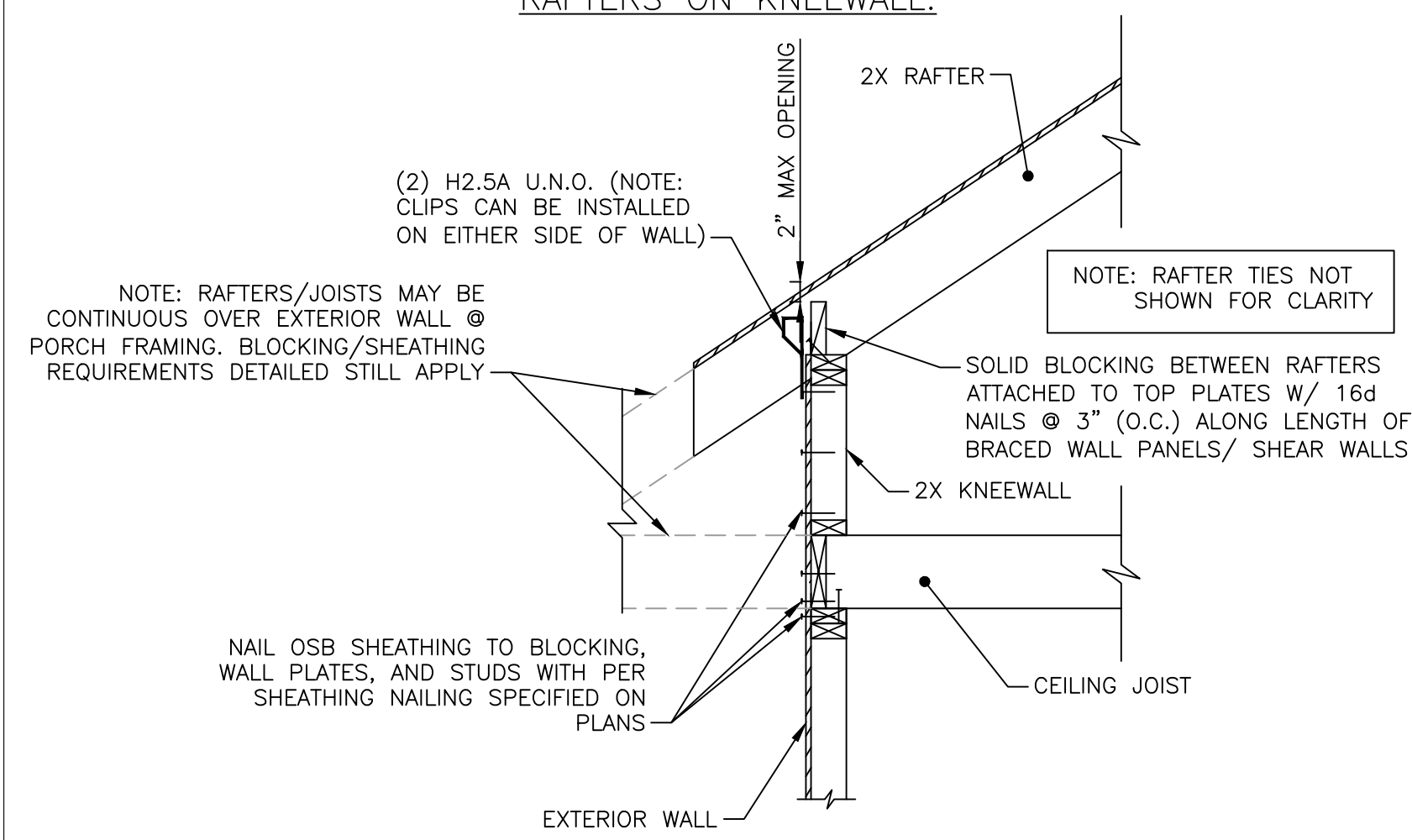
HEEL HEIGHT GREATER THAN 15":



○ TRUSS BLOCKING REQUIREMENTS
N.T.S.



RAFTERS ON KNEEWALL:



○ RAFTER BLOCKING REQUIREMENTS
N.T.S.



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

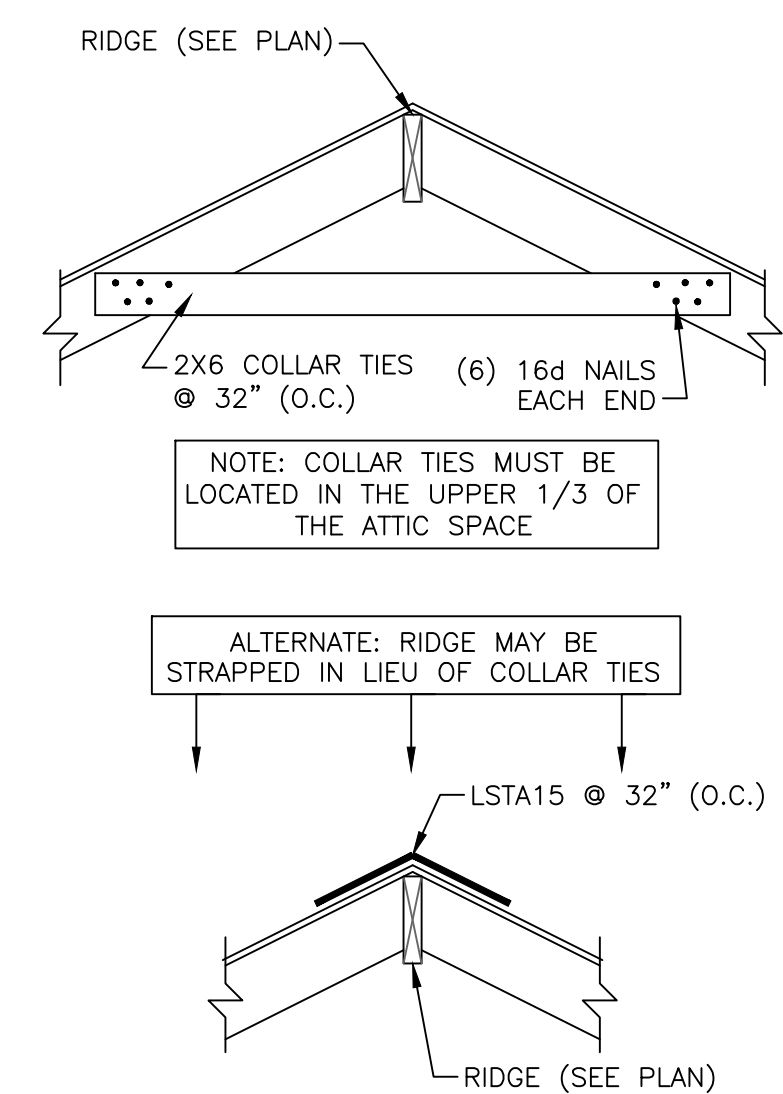
Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

ROOF FRAMING DETAILS

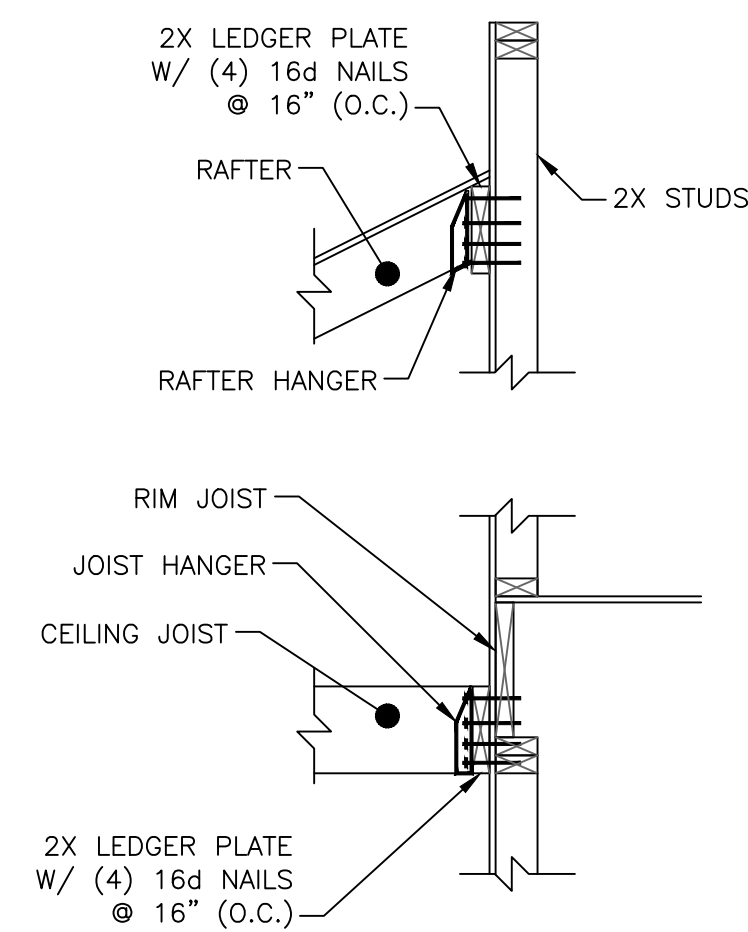
SHEET:
SD1.0



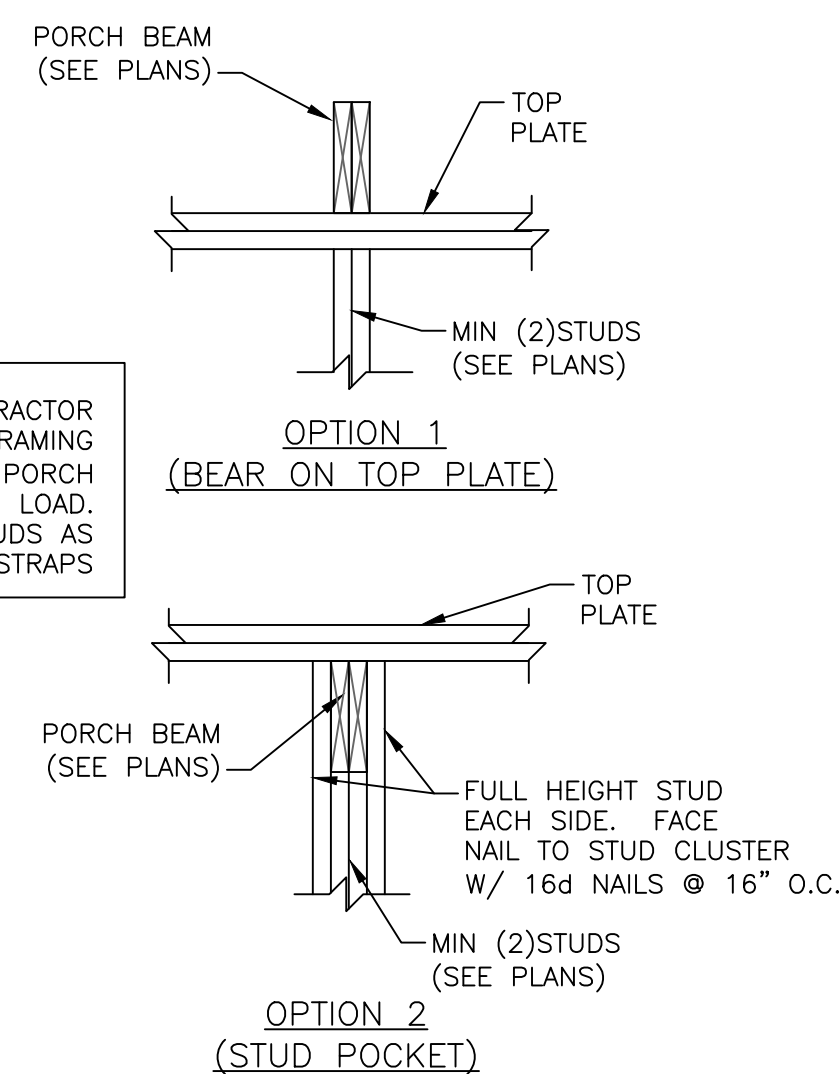
NOTE: COLLAR TIES MUST BE LOCATED IN THE UPPER 1/3 OF THE ATTIC SPACE

ALTERNATE: RIDGE MAY BE STRAPPED IN LIEU OF COLLAR TIES

TYP. RIDGE CONNECTION
N.T.S.



PORCH RAFTER/CEILING JOIST LEDGER PLATE DETAIL
N.T.S.

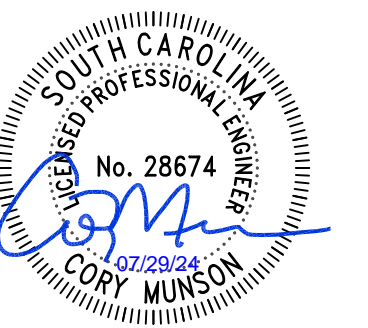


NOTE: FOR BOTH OPTIONS, CONTRACTOR TO ATTACH PORCH BEAM TO FRAMING W/(2)MITS STRAPS (OR EQUAL) IF PORCH BEAM IS CARRYING ANY RAFTER LOAD. PROVIDE ADDITIONAL STUDS AS NECESSARY TO ACCOMMODATE STRAPS

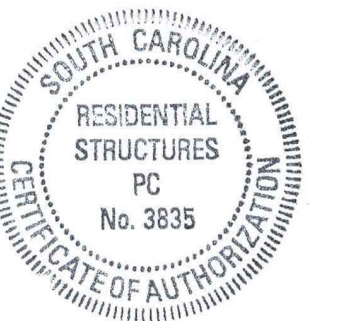
TYP. PORCH BEAM SUPPORT AT EXTERIOR WALL
N.T.S.



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

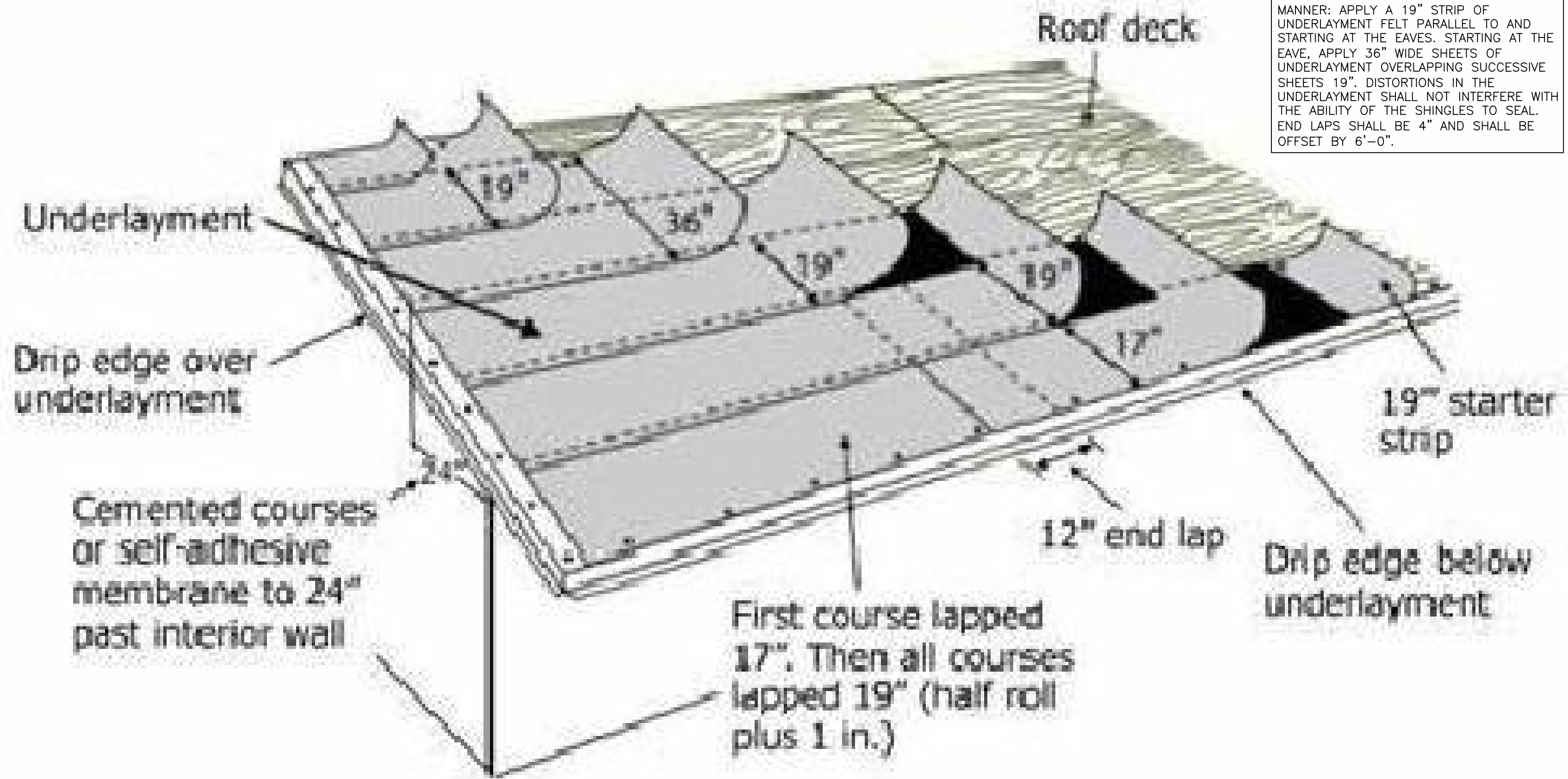
REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

ROOF FRAMING DETAILS

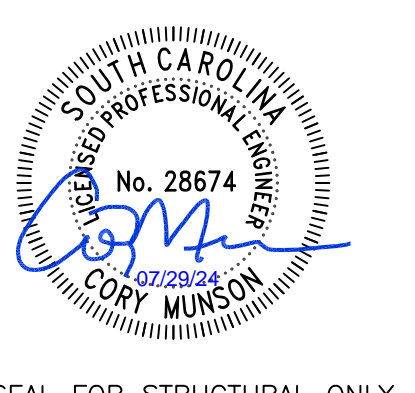
SHEET:
SD1.1

Double Layer Roofing Underlayment

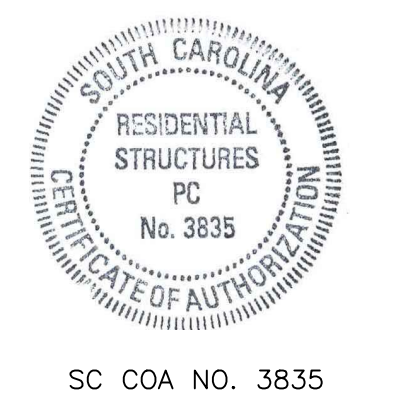
NOTE: UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER: APPLY A 19" STRIP OF UNDERLAYMENT FELT PARALLEL TO AND STARTING AT THE EAVES. STARTING AT THE EAVE, APPLY 36" WIDE SHEETS OF UNDERLAYMENT OVERLAPPING SUCCESSIVE SHEETS 19". DISTORTIONS IN THE UNDERLAYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL. END LAPS SHALL BE 4" AND SHALL BE OFFSET BY 6'-0".



Residential Structures, P.C.
 Engineering and Design
 Charlotte: 704-332-5460
 Charleston: 843-406-7174
 Myrtle Beach/Florence: 704-301-9521
 www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
 4215 Fellowship Rd.
 N. Charleston, SC 29418

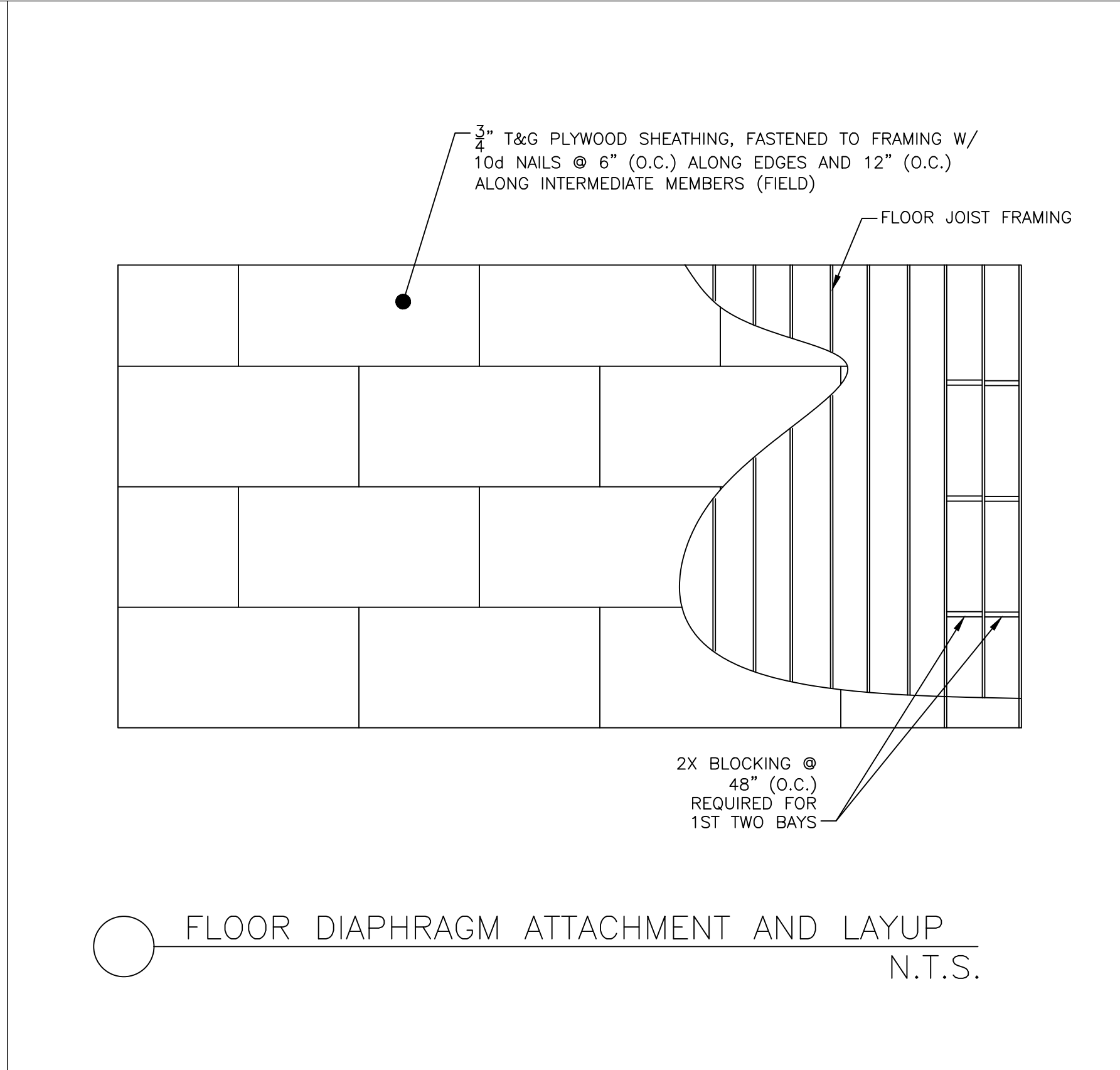
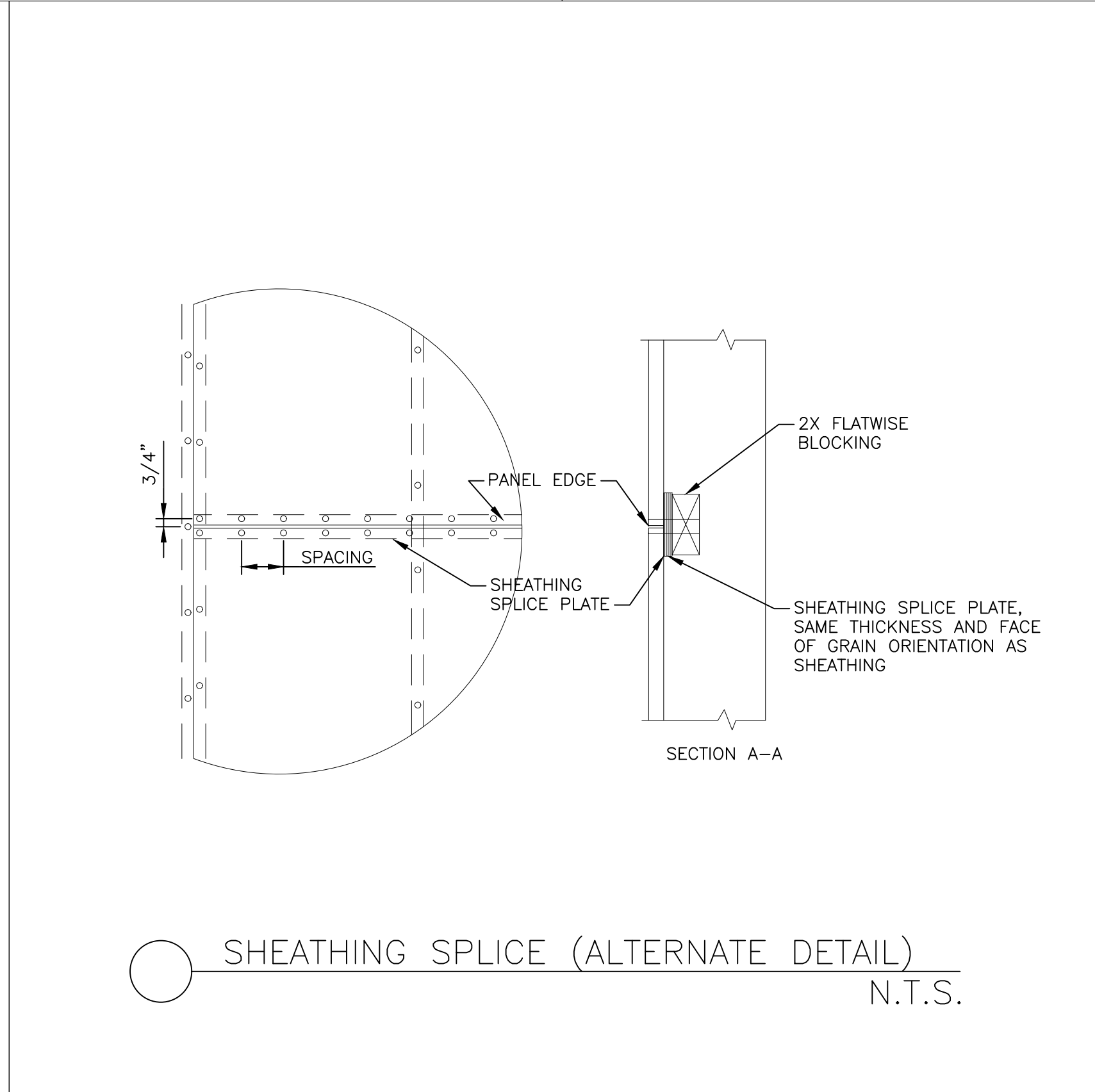
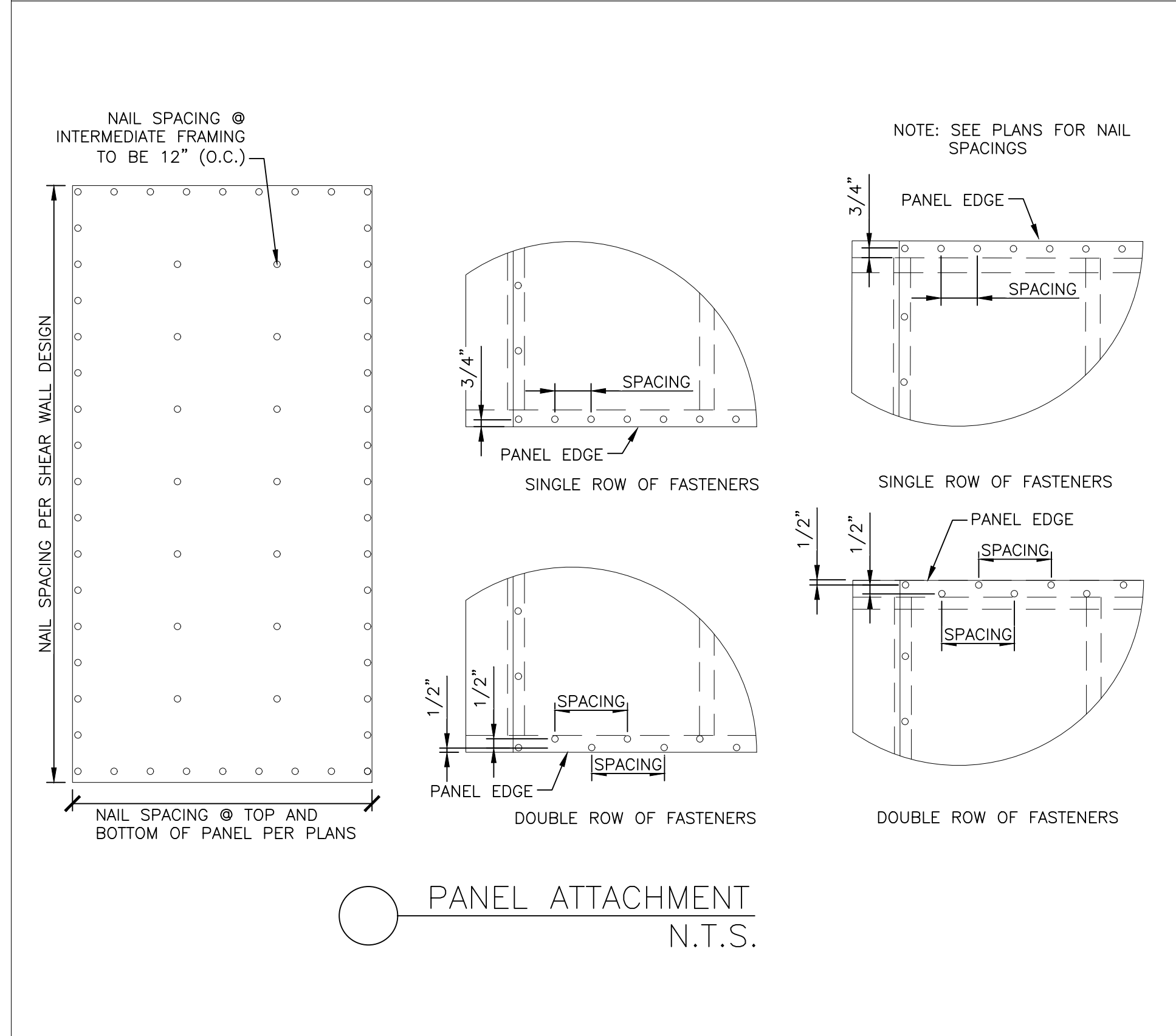
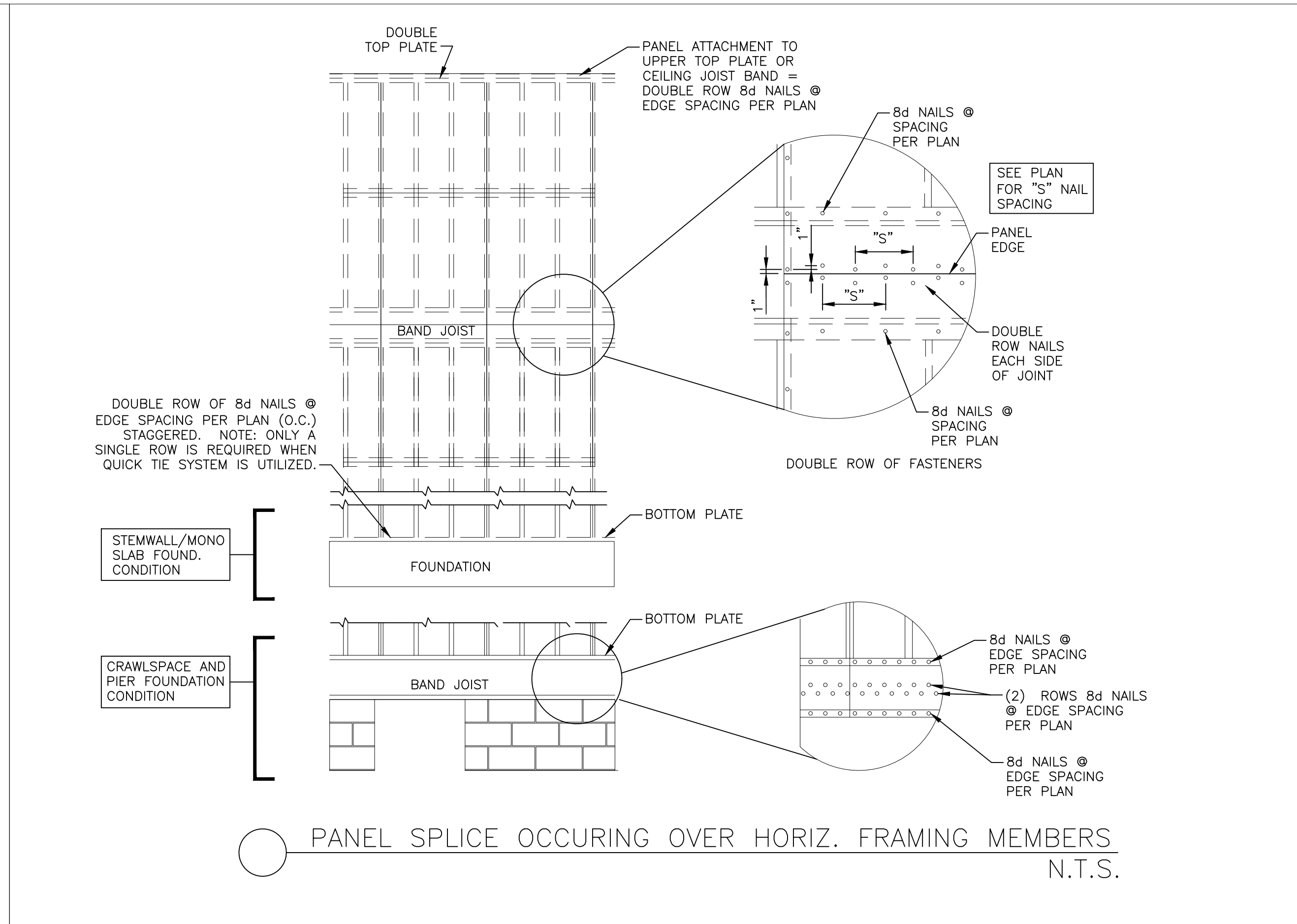
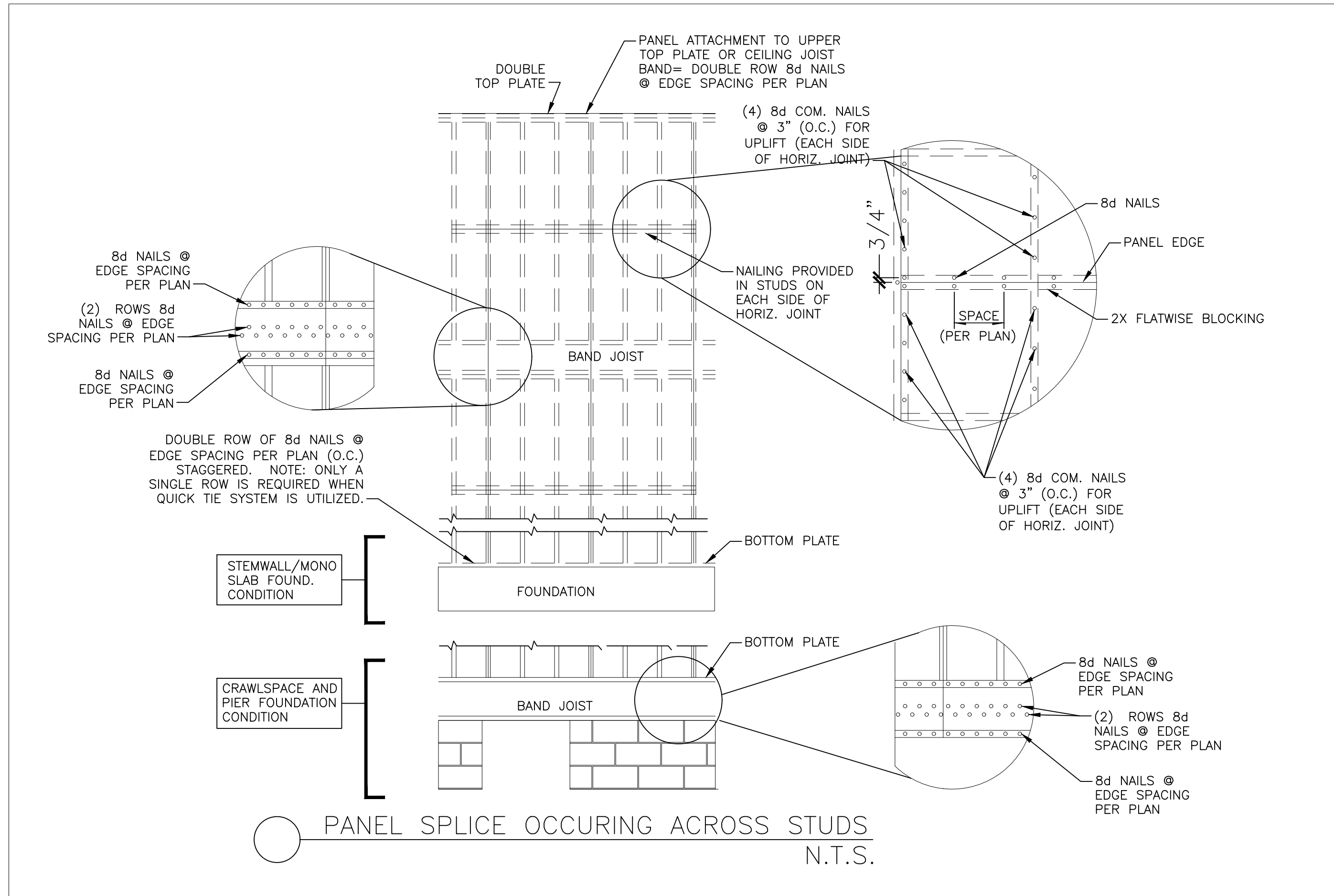
Plans to be used in conjunction with Residential Structures P.C. general notes


Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:		07/26/2024


ROOF FRAMING DETAILS

SHEET:
SD1.2






Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

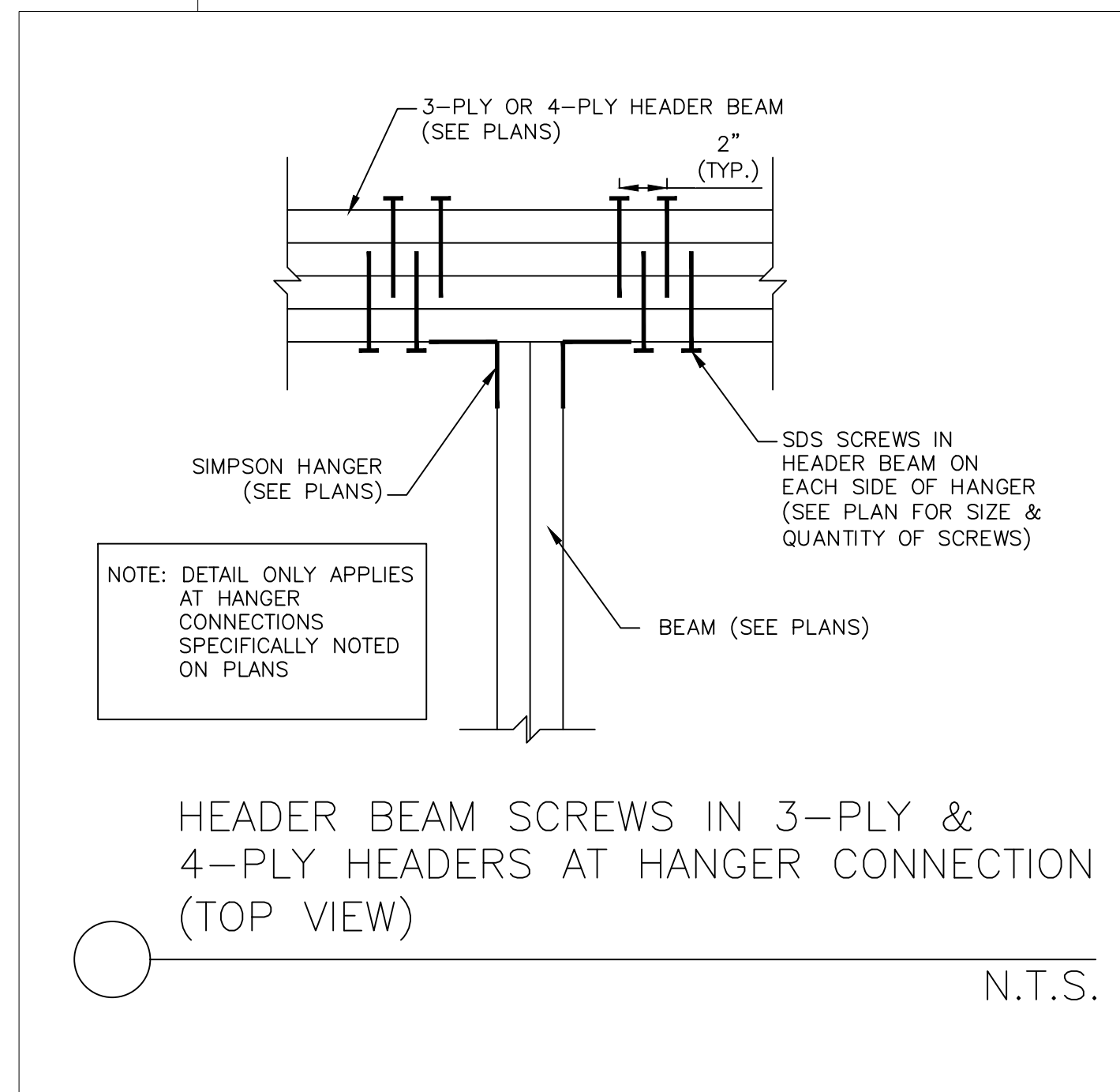
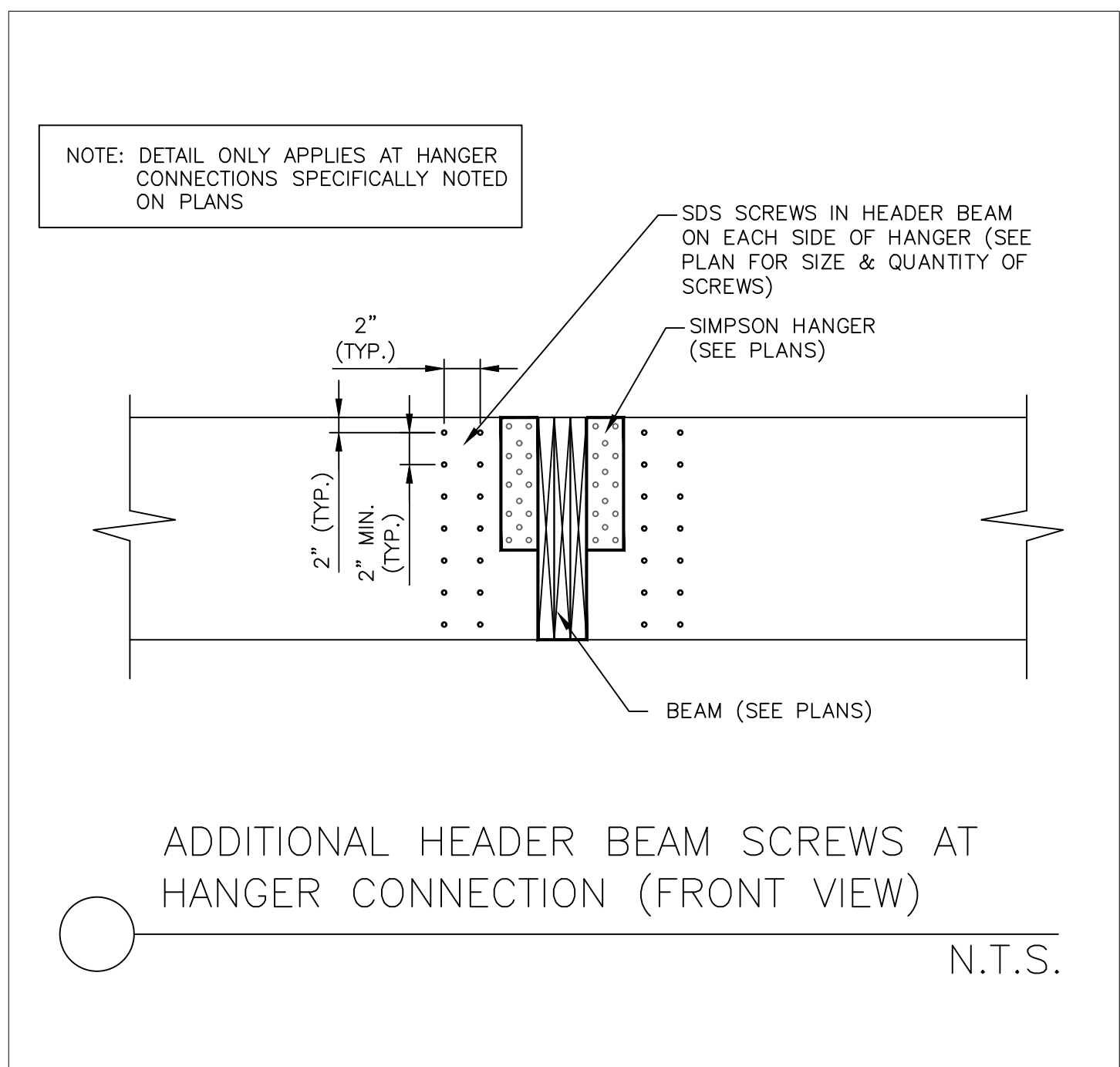
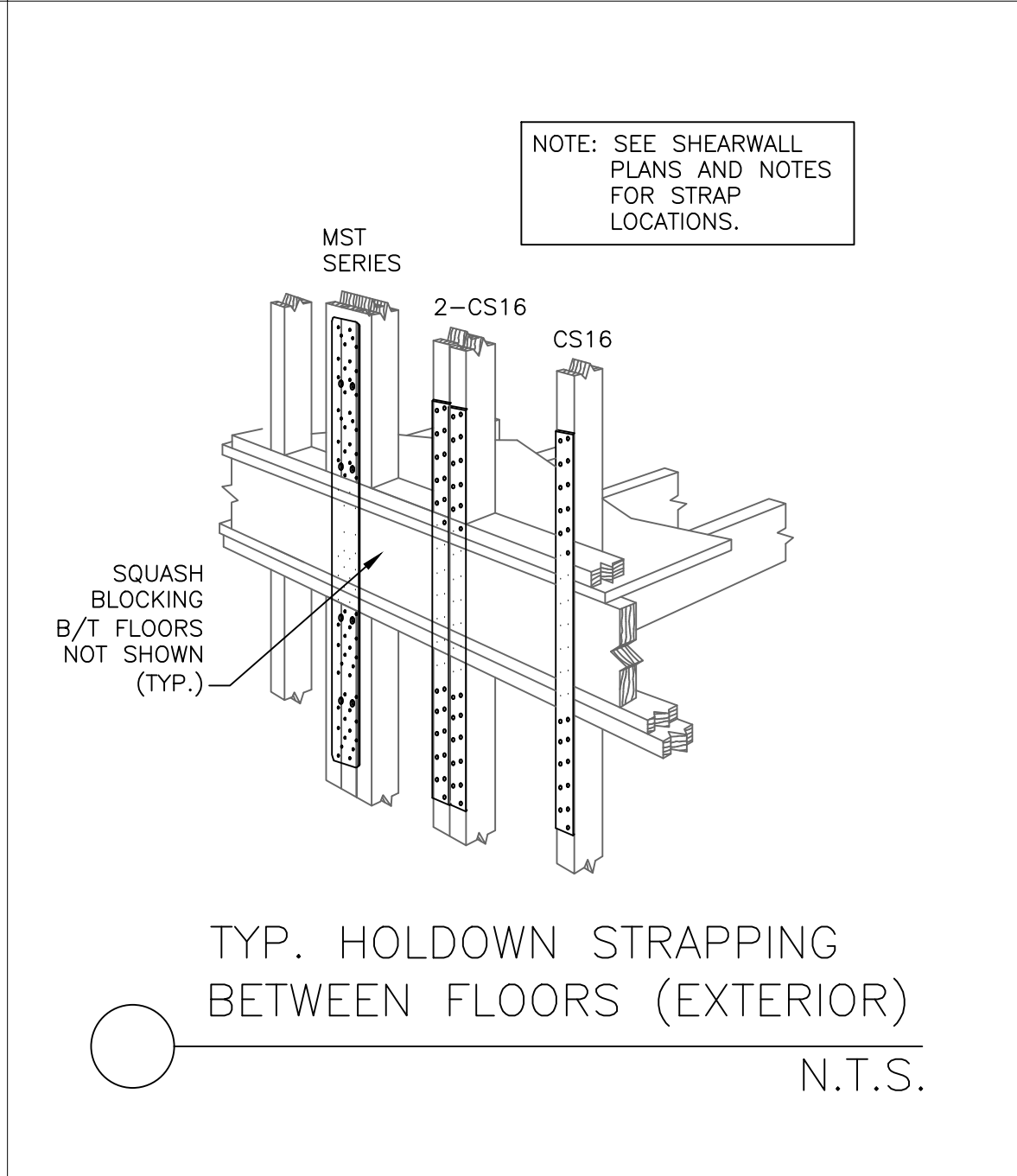
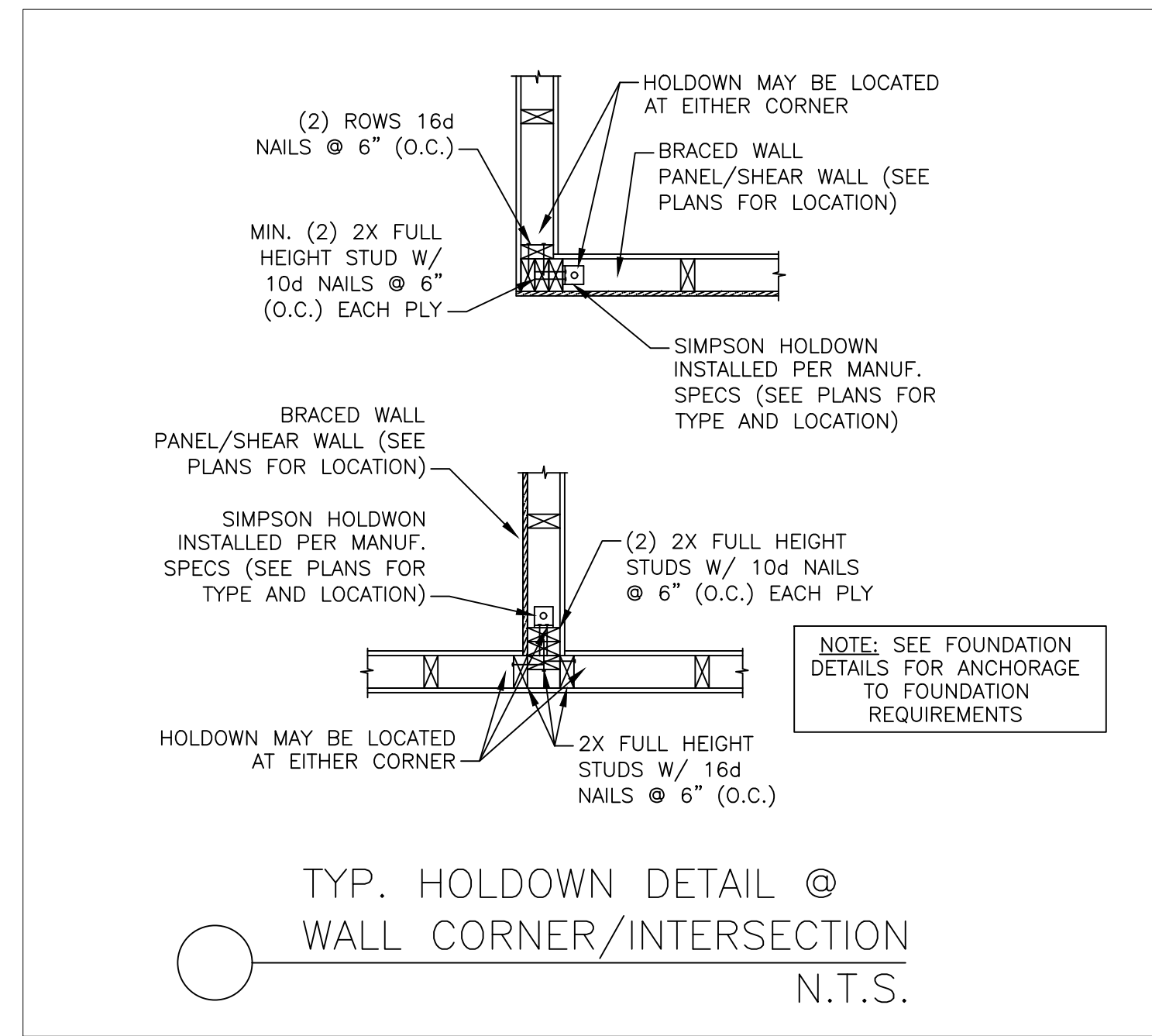
Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

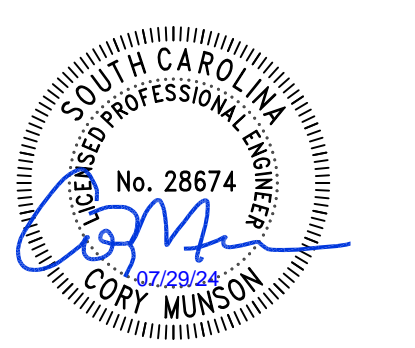
REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

FRAMING DETAILS

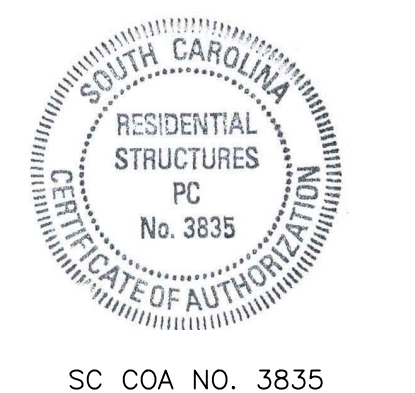
SHEET:
SD2.0



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

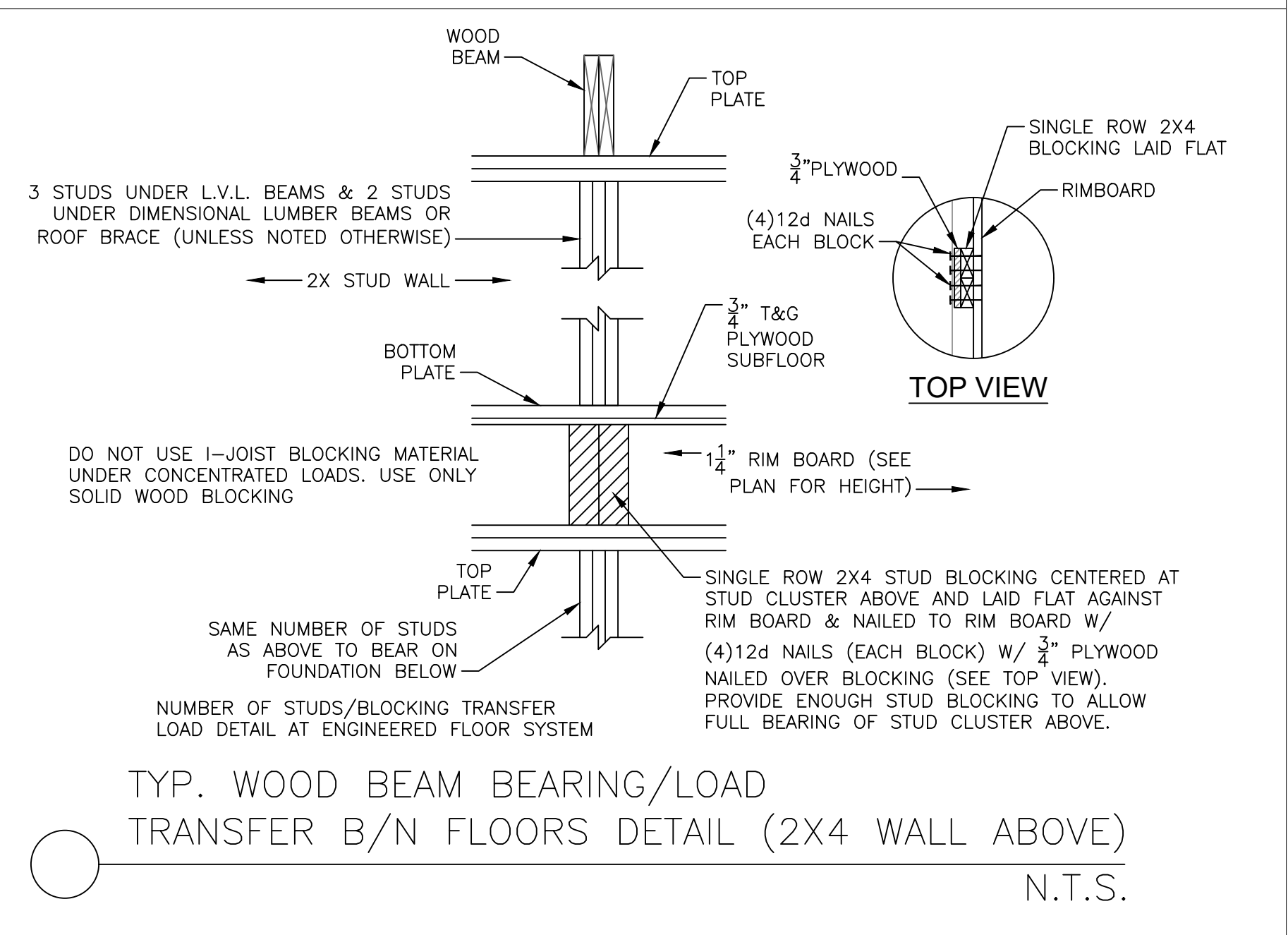
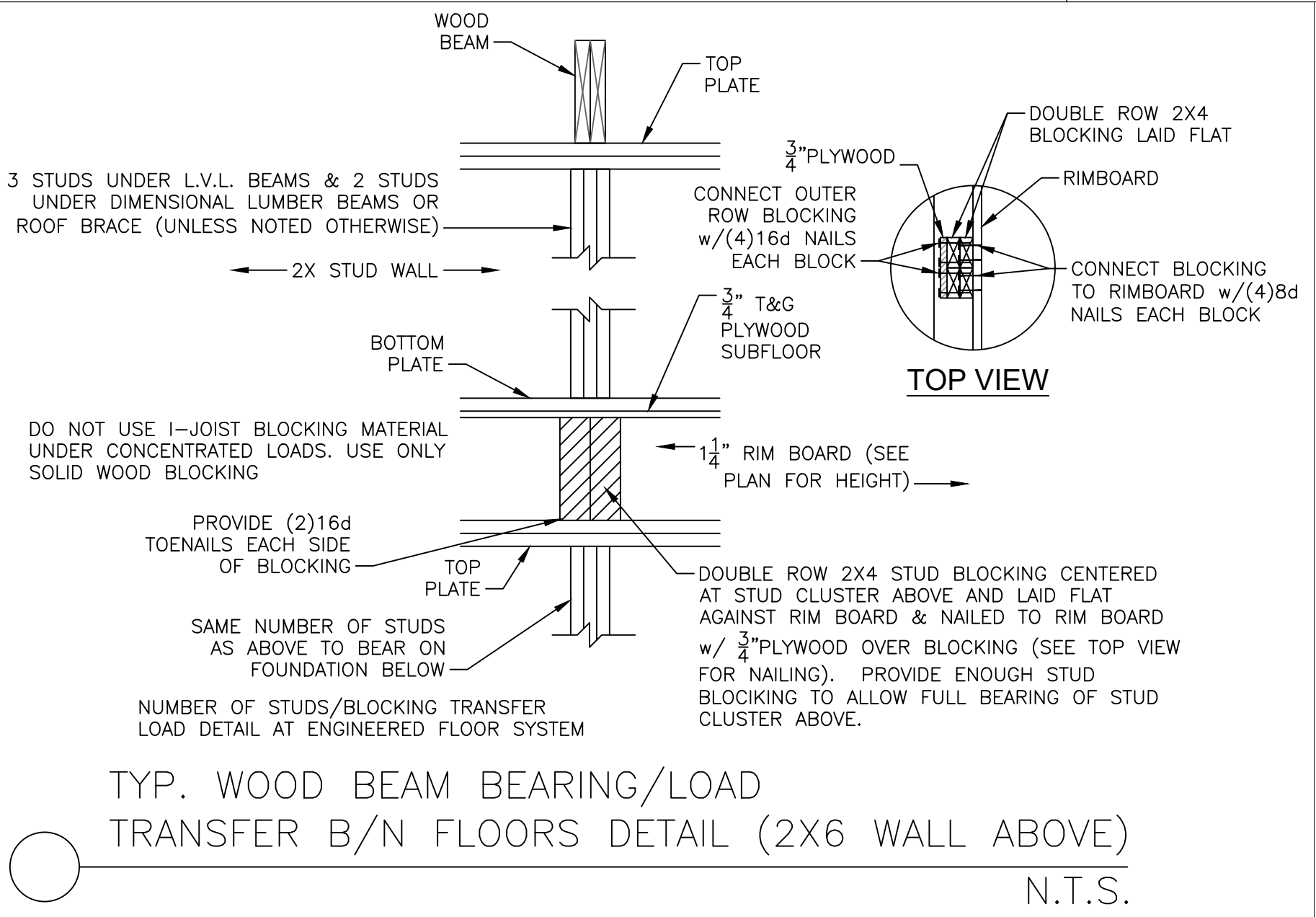
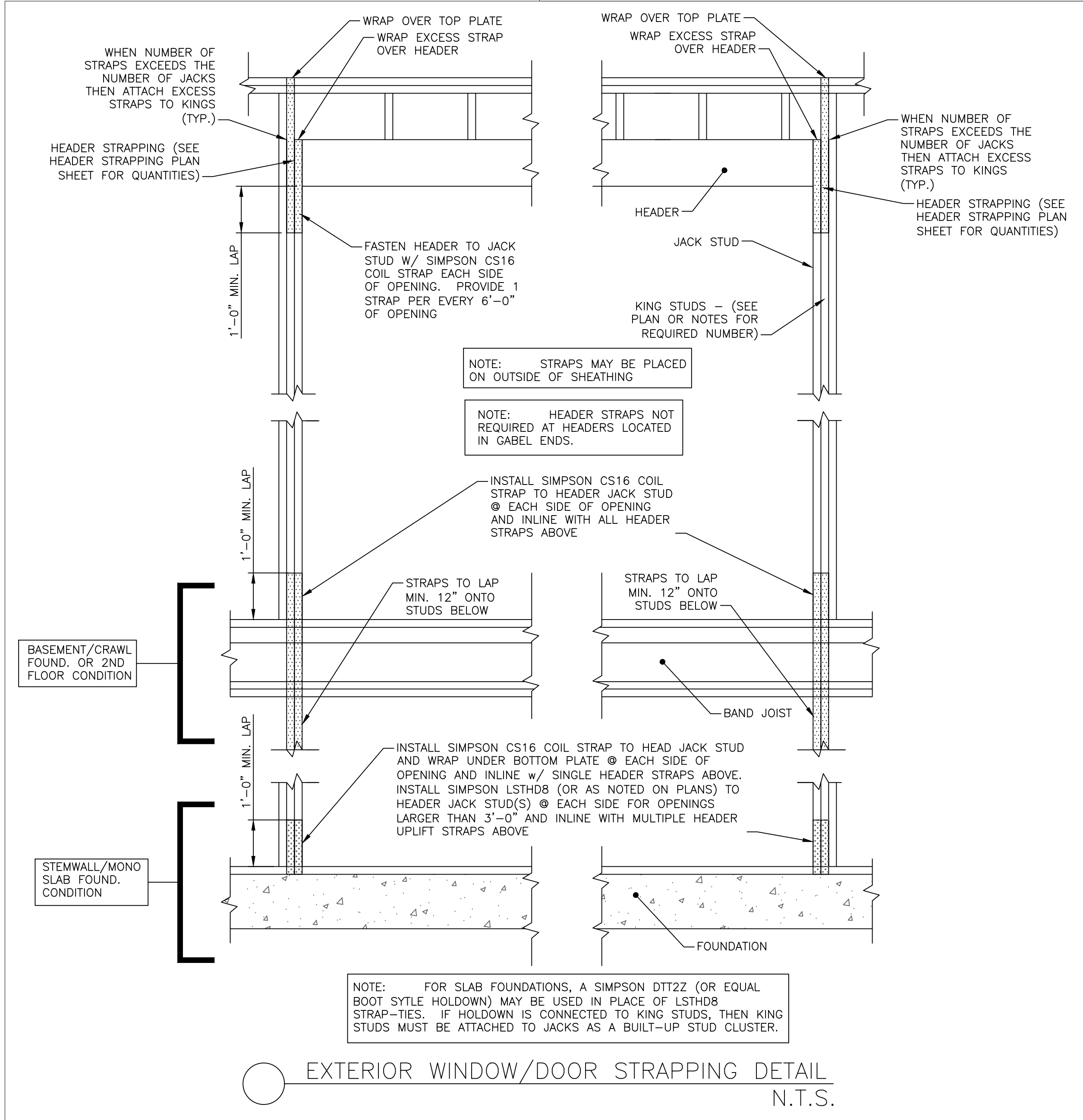
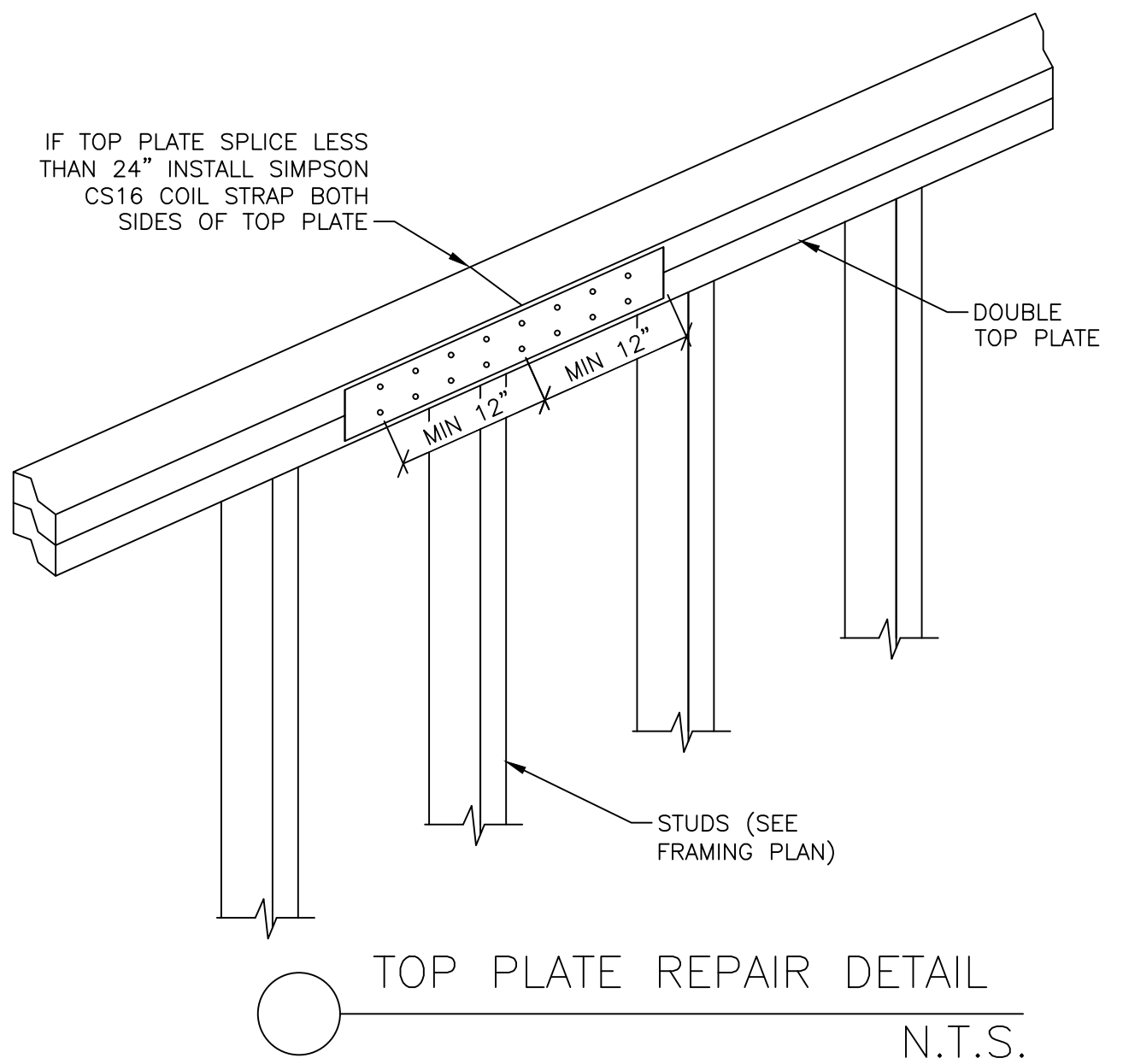
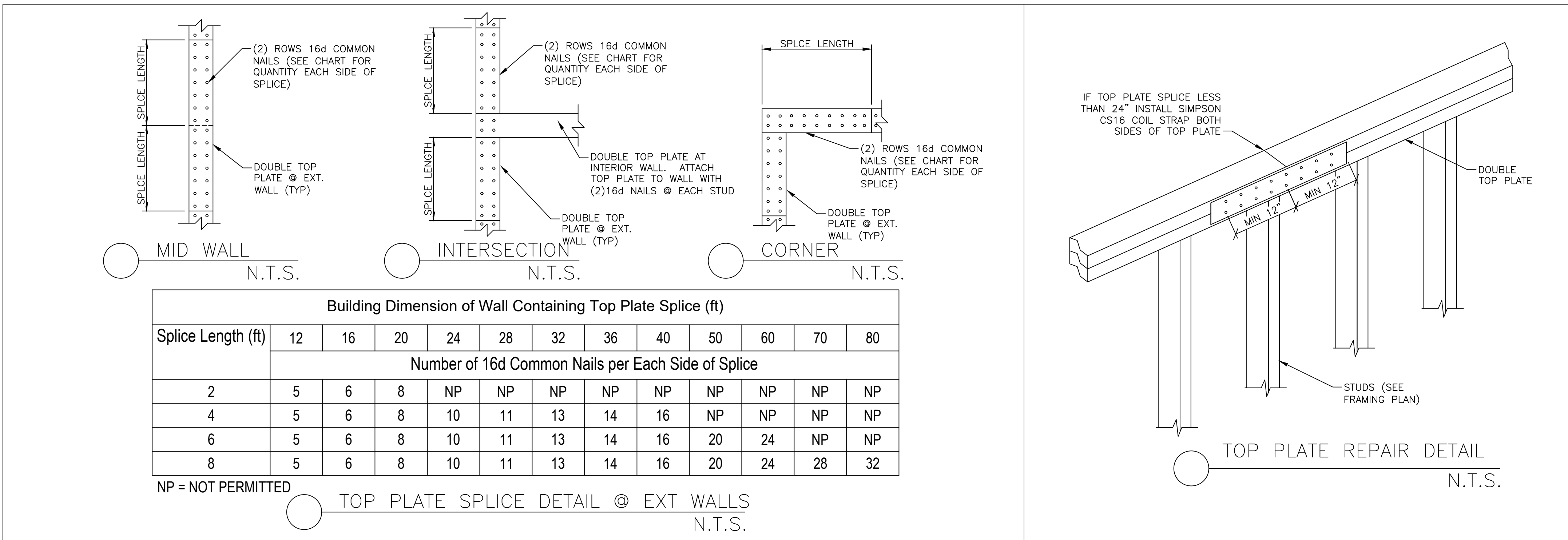
Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

FRAMING DETAILS

SHEET:
SD2.1



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

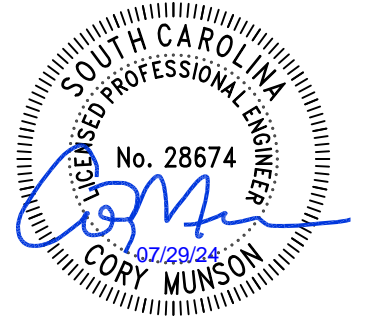
REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

FRAMING DETAILS

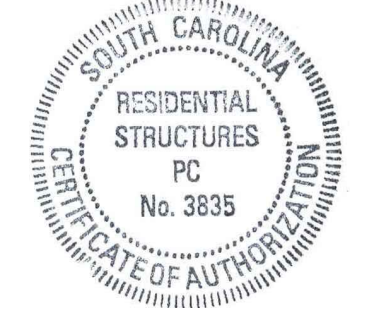
SHEET: **SD2.2**



Residential Structures, P.C.
 Engineering and Design
 Charlotte: 704-332-5460
 Charleston: 843-406-7174
 Myrtle Beach/Florence: 704-301-9521
 www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
 4215 Fellowship Rd.
 N. Charleston, SC 29418

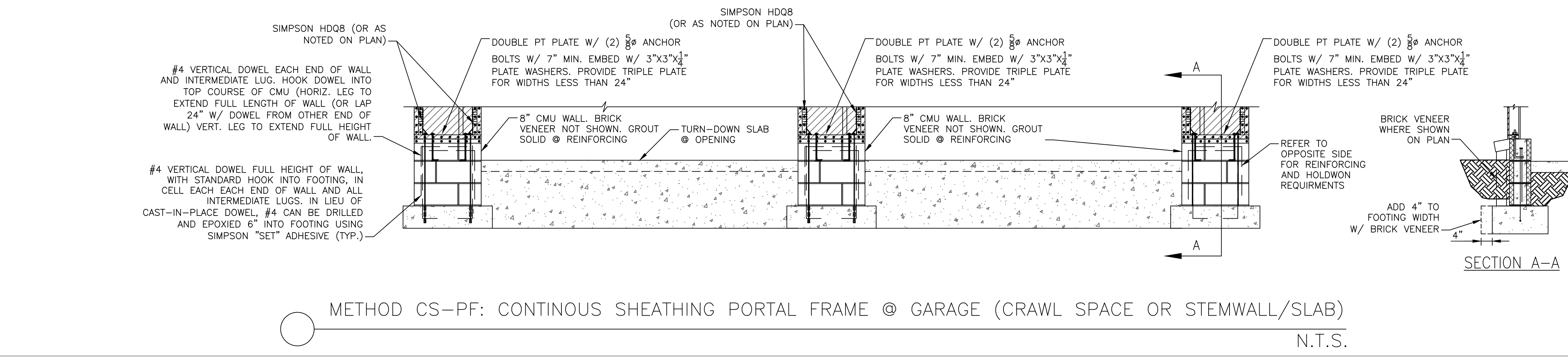
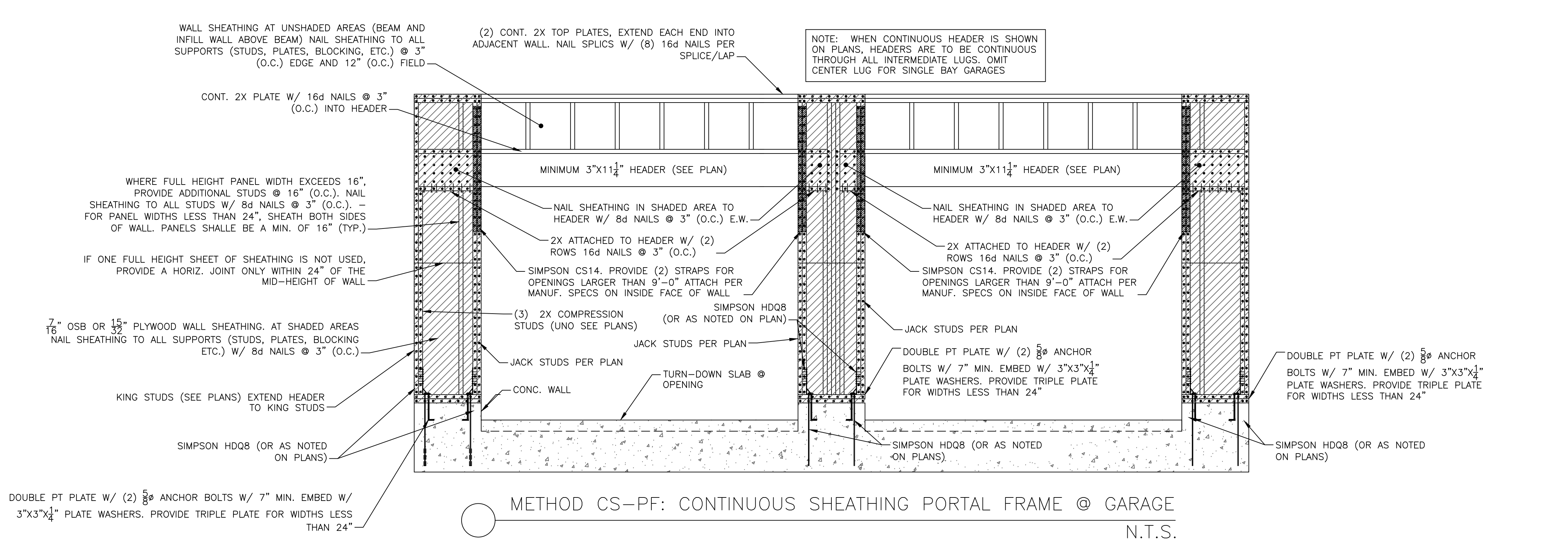
Plans to be used in conjunction
 with Residential Structures P.C.
 general notes

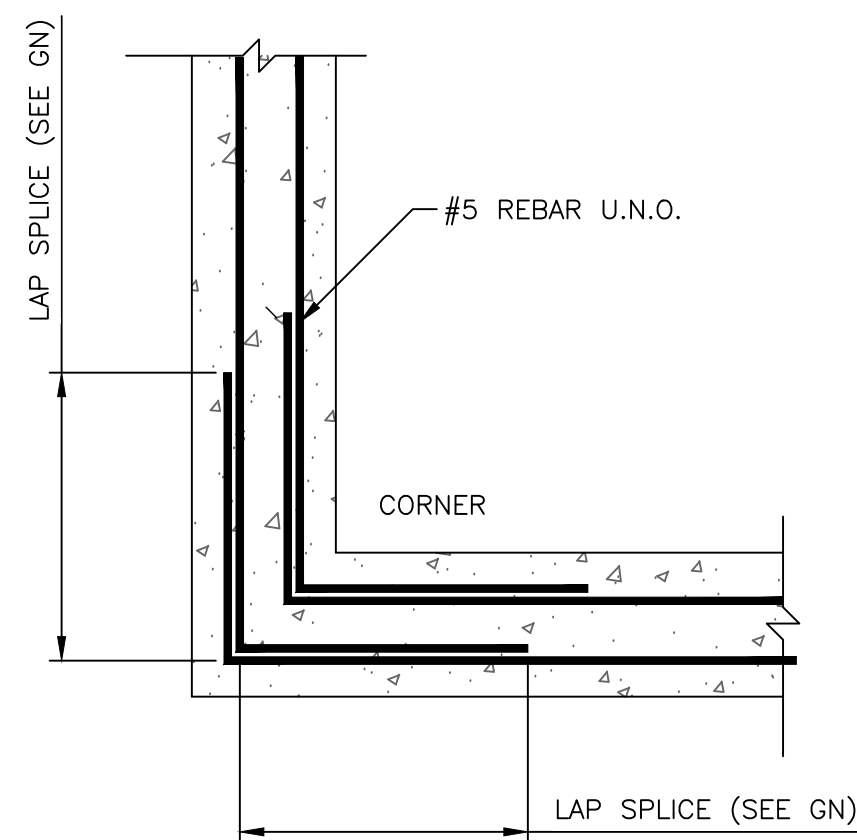
Schehlein Residence
 118 Peninsula Drive
 Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

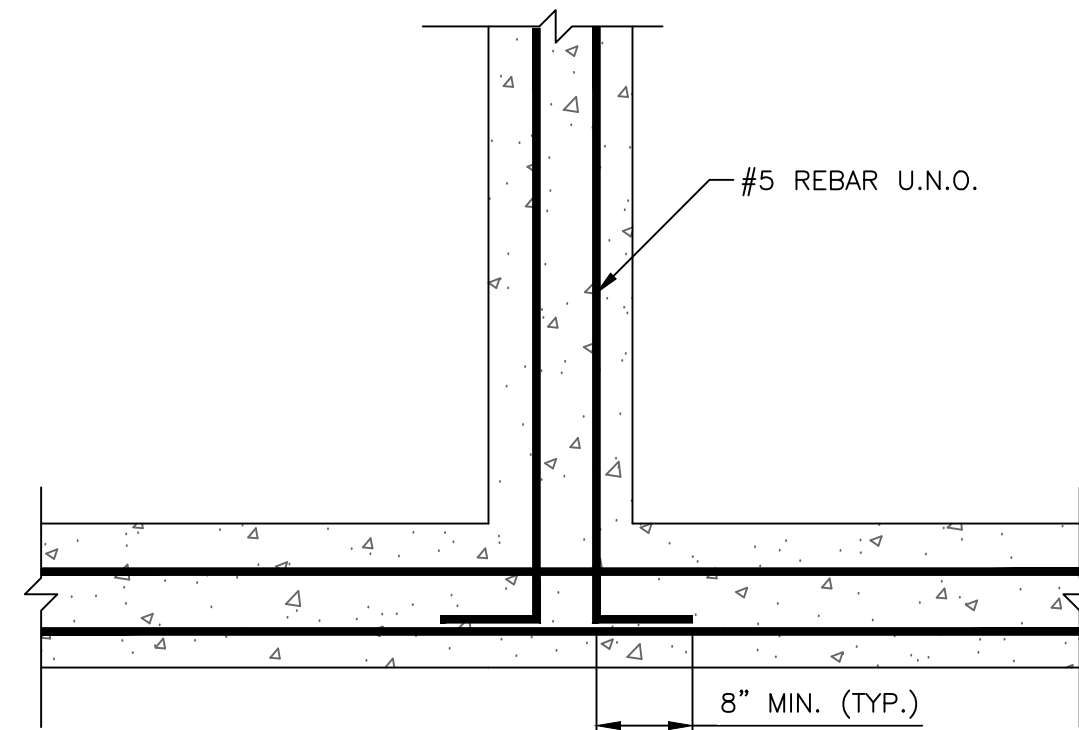
FRAMING
 DETAILS

SHEET:
SD2.3

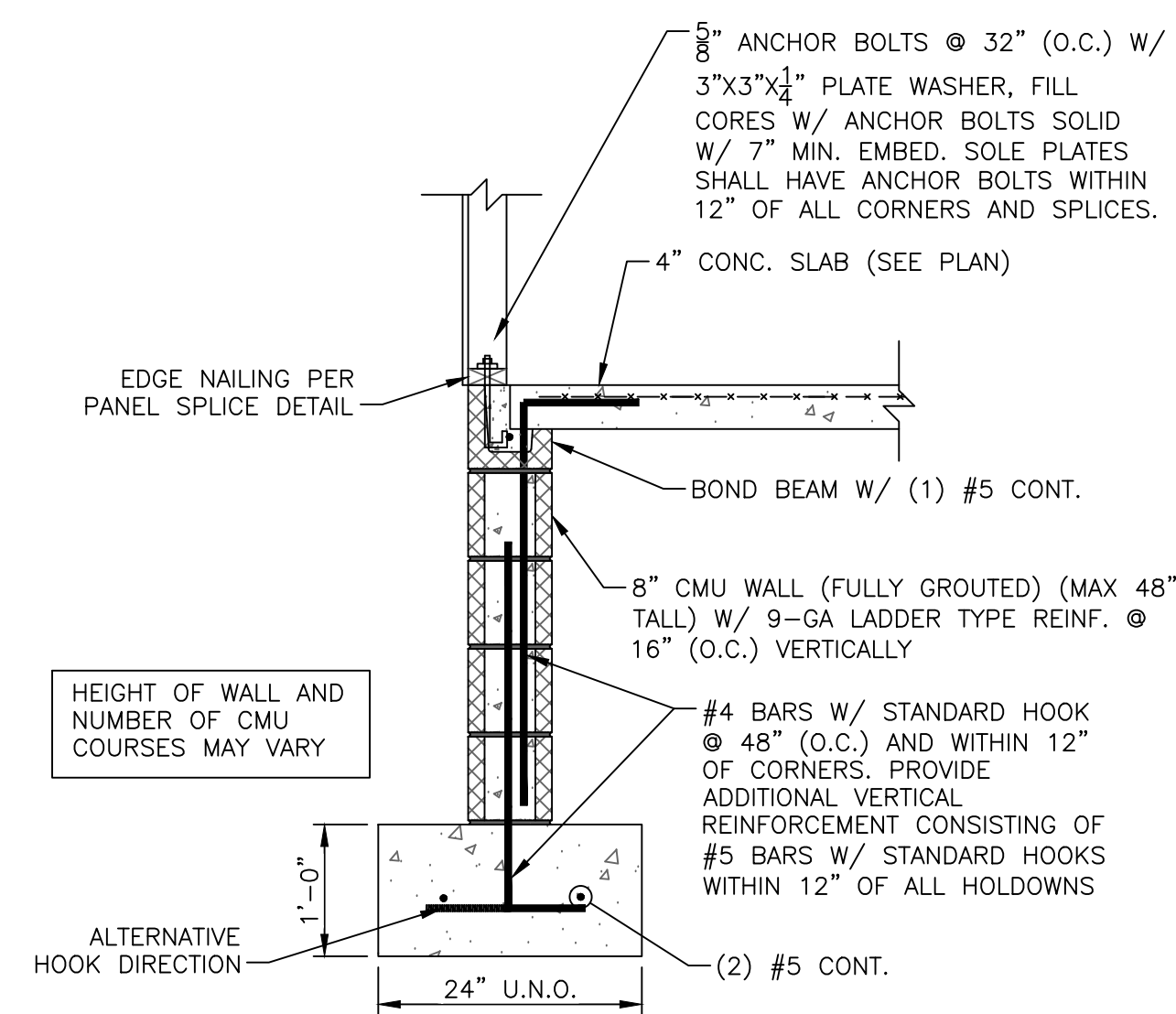




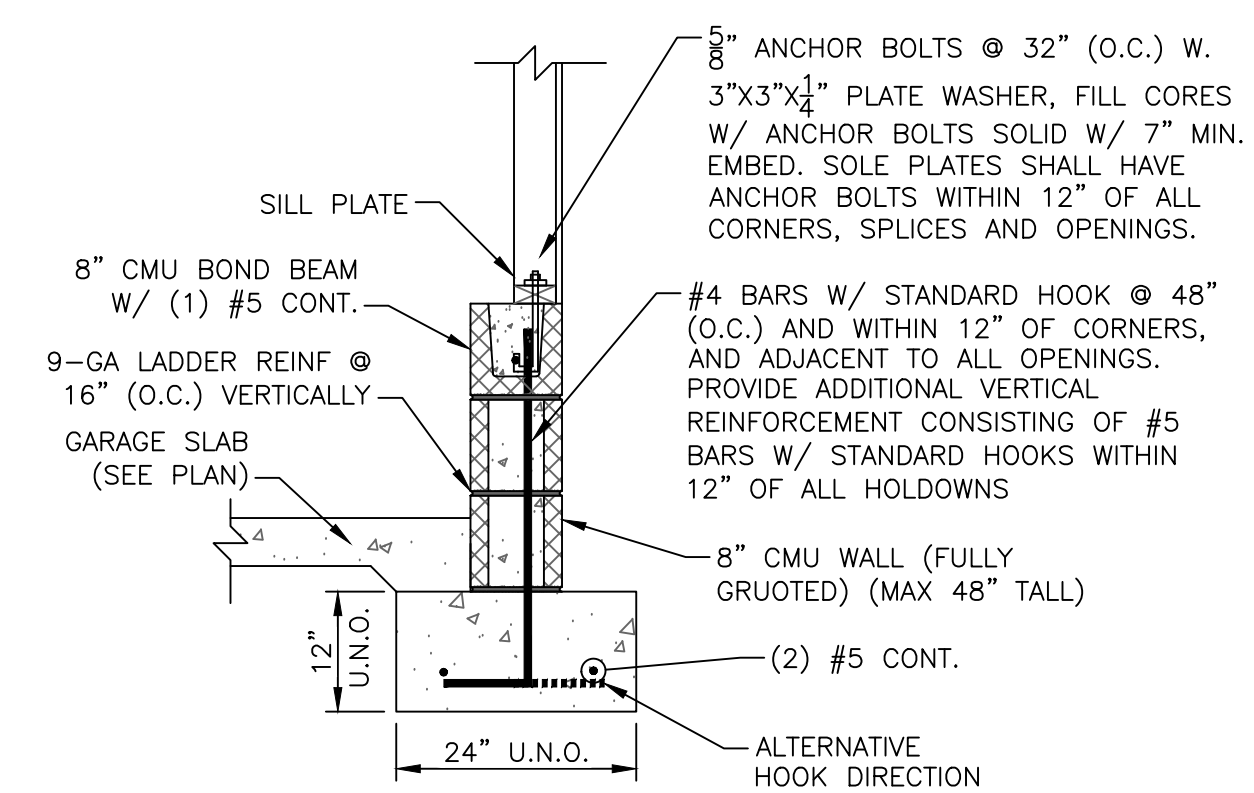
TYP. REBAR LAP @ CORNER
N.T.S.



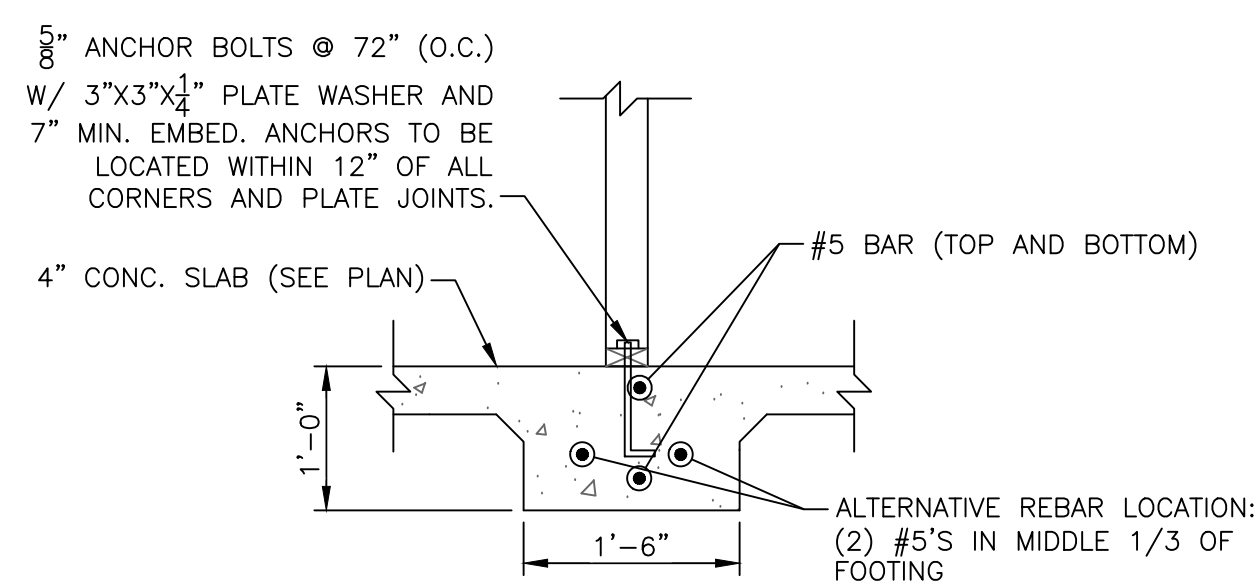
TYP. REBAR LAP @ INTERSECTION
N.T.S.



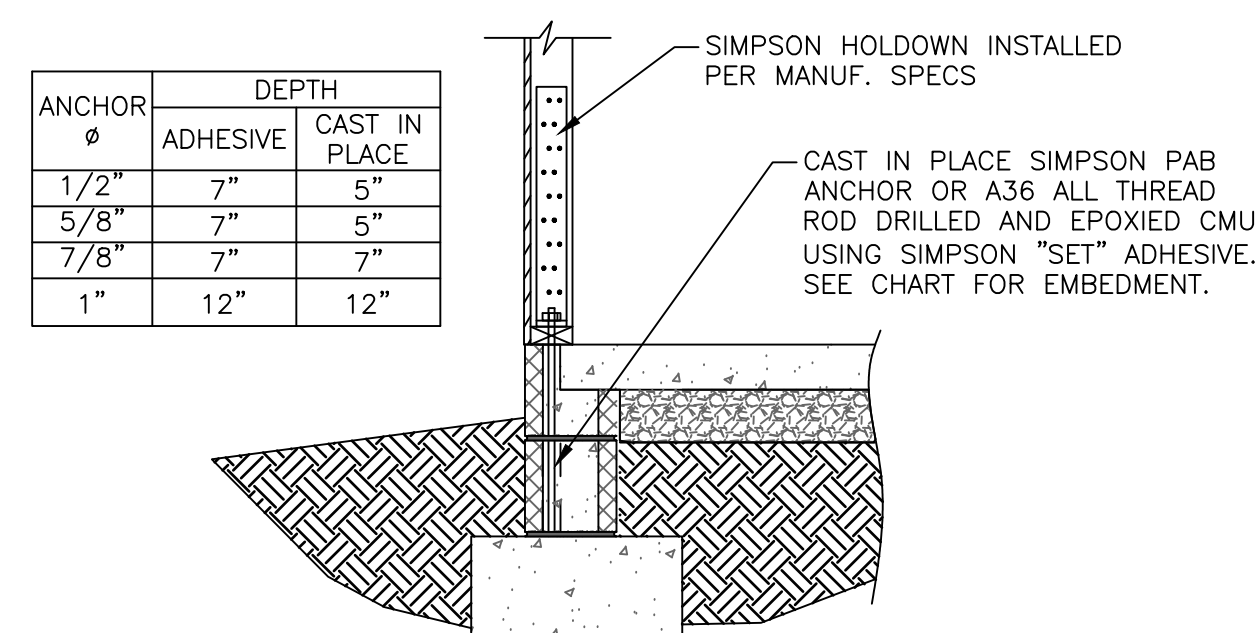
TYP. EXTERIOR WALL SECTION
N.T.S.



TYP. FOOTING @ GARAGE WALL
N.T.S.

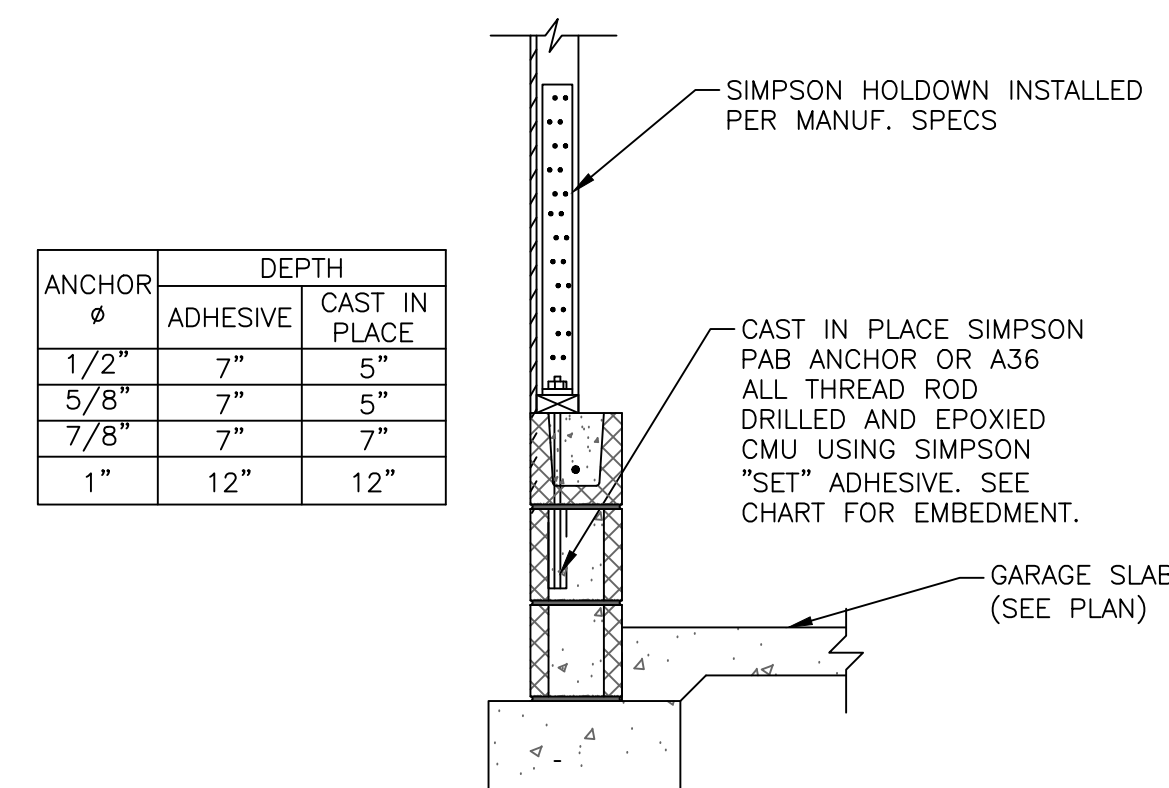


TYP. INTERIOR BEARING WALL FOOTING
N.T.S.



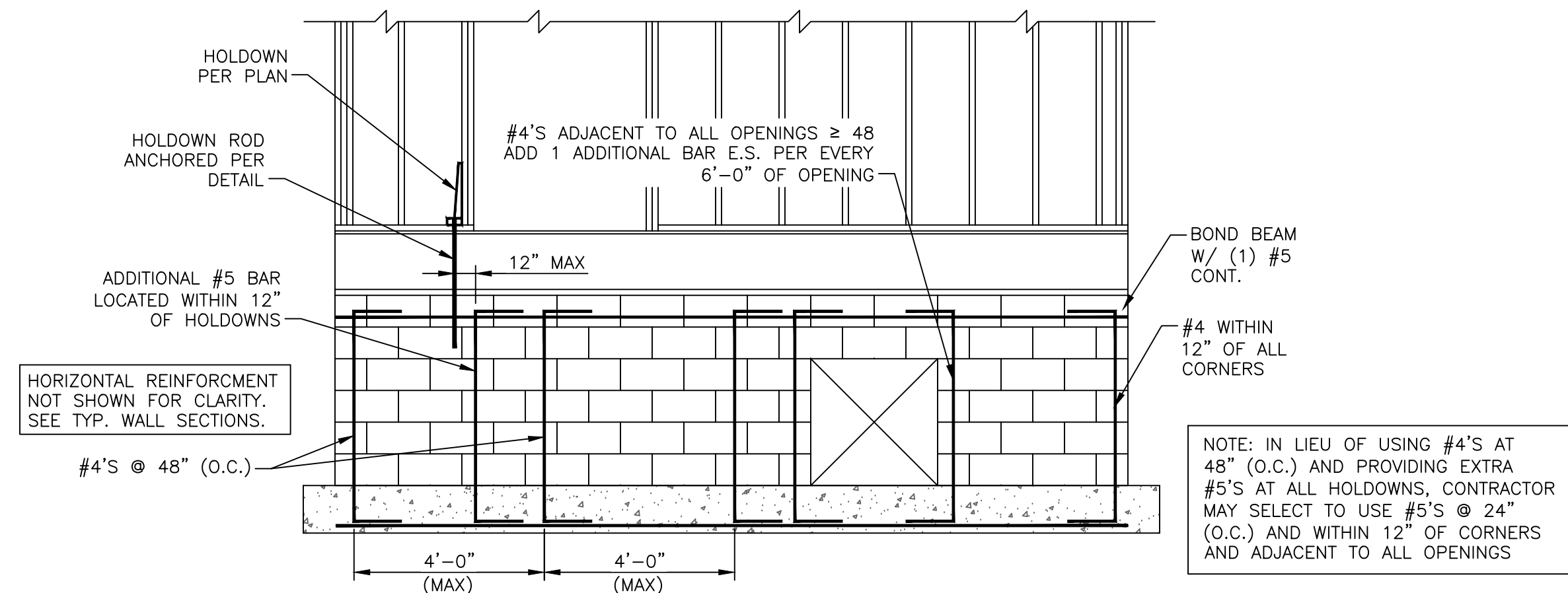
ANCHOR Ø	DEPTH	
	ADHESIVE	CAST IN PLACE
1/2"	7"	5"
5/8"	7"	5"
7/8"	7"	7"
1"	12"	12"

TYP. HOLDOWN DETAIL @ STEMWALL SLAB
N.T.S.



ANCHOR Ø	DEPTH	
	ADHESIVE	CAST IN PLACE
1/2"	7"	5"
5/8"	7"	5"
7/8"	7"	7"
1"	12"	12"

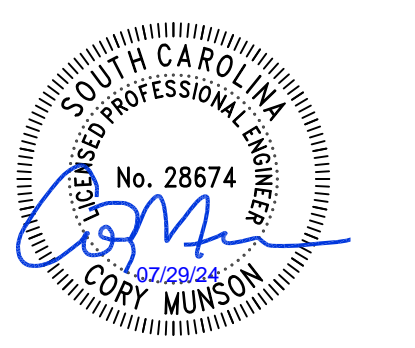
TYP. HOLDOWN DETAIL @ GARAGE CMU FOUND. WALL
N.T.S.



TYP. EXTERIOR WALL ELEVATION VIEW
N.T.S.



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

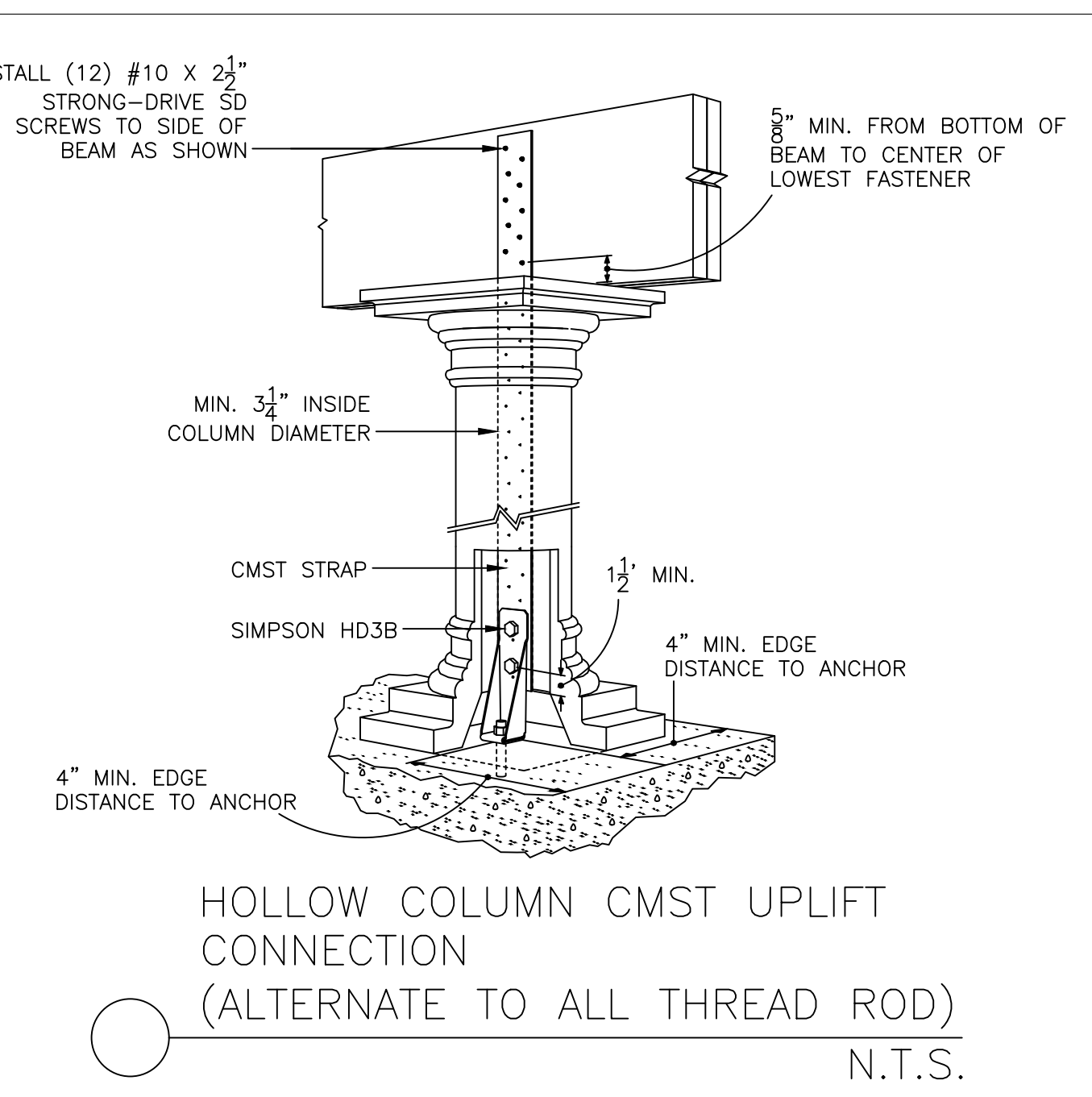
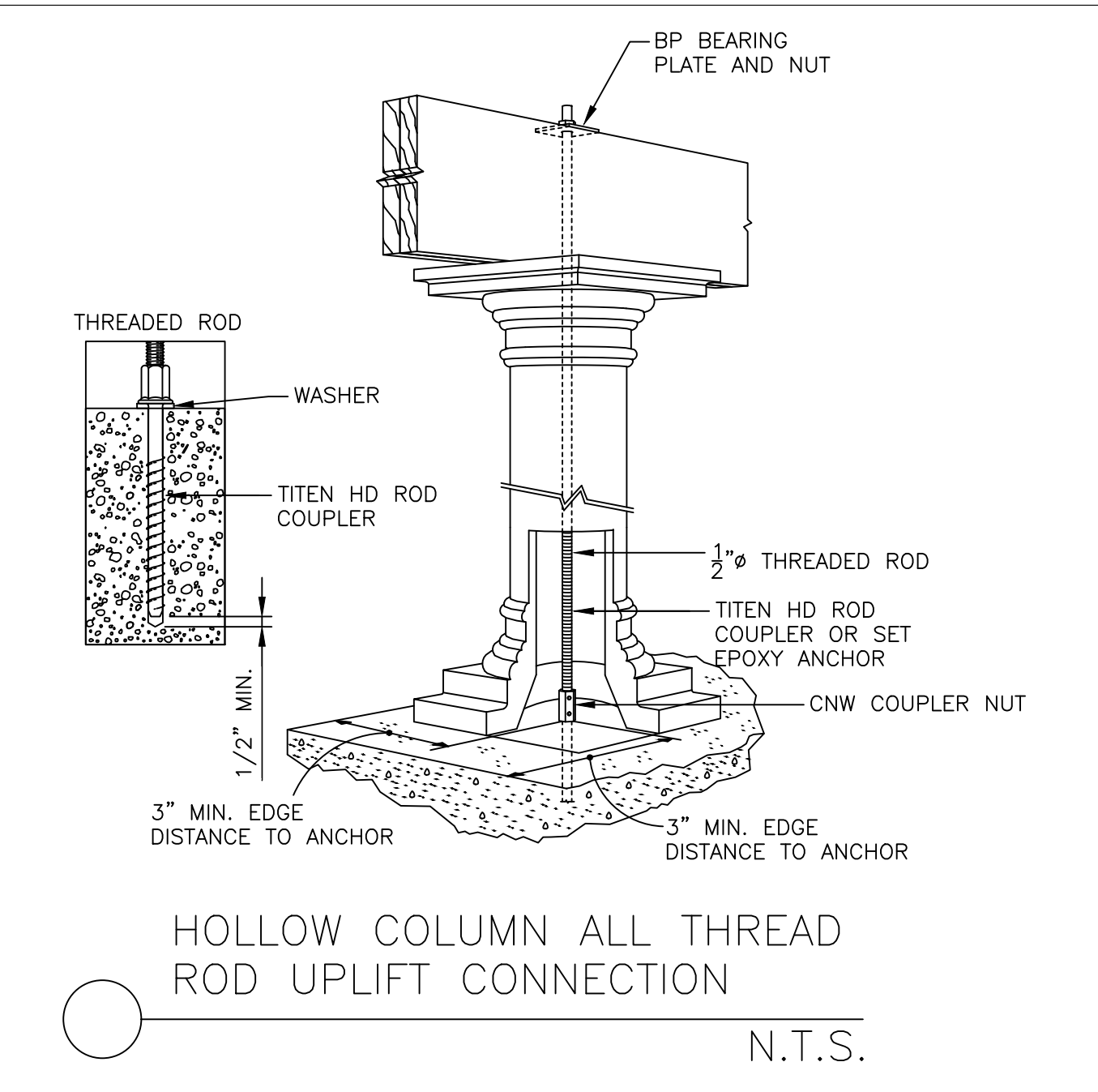
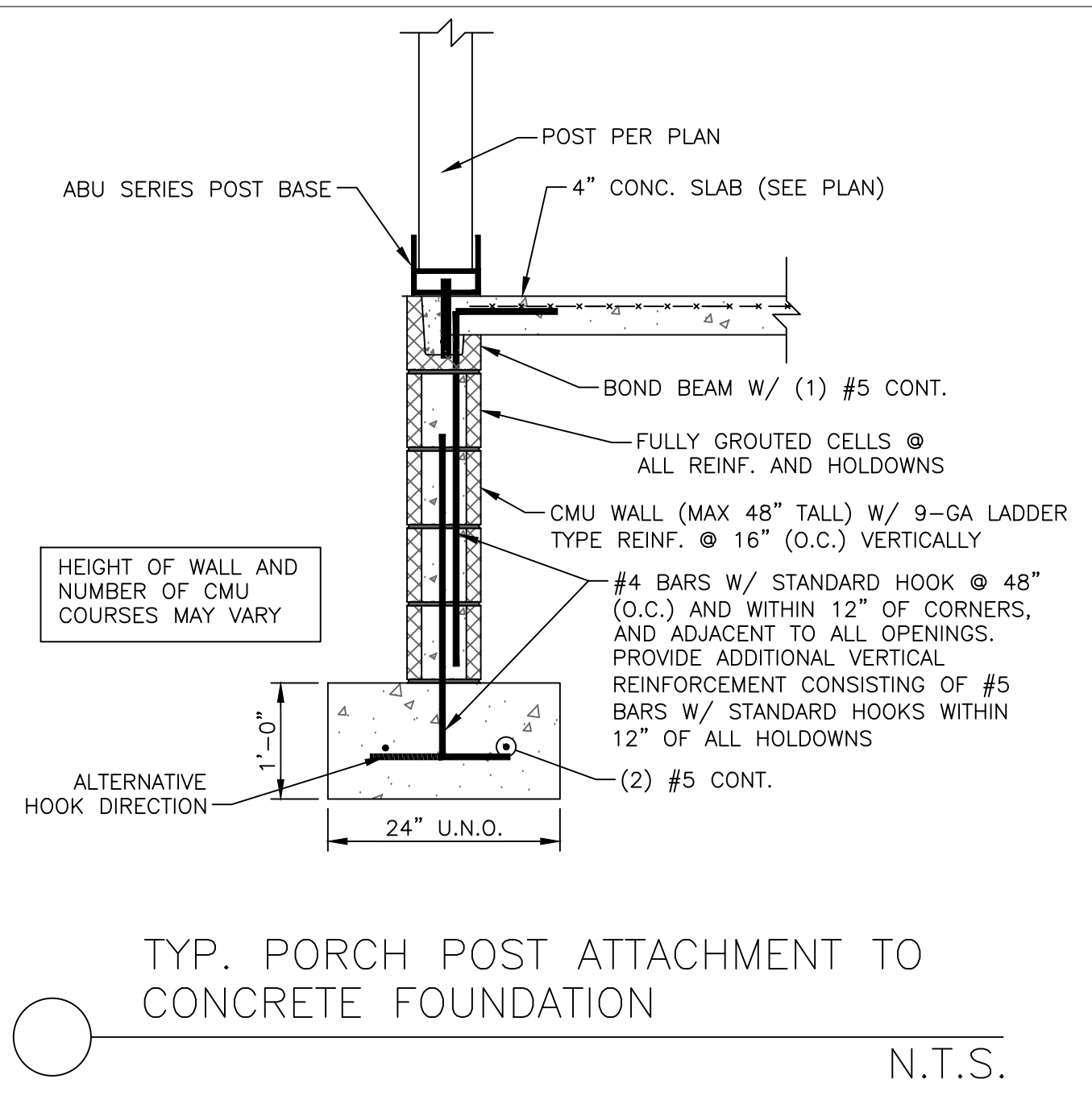
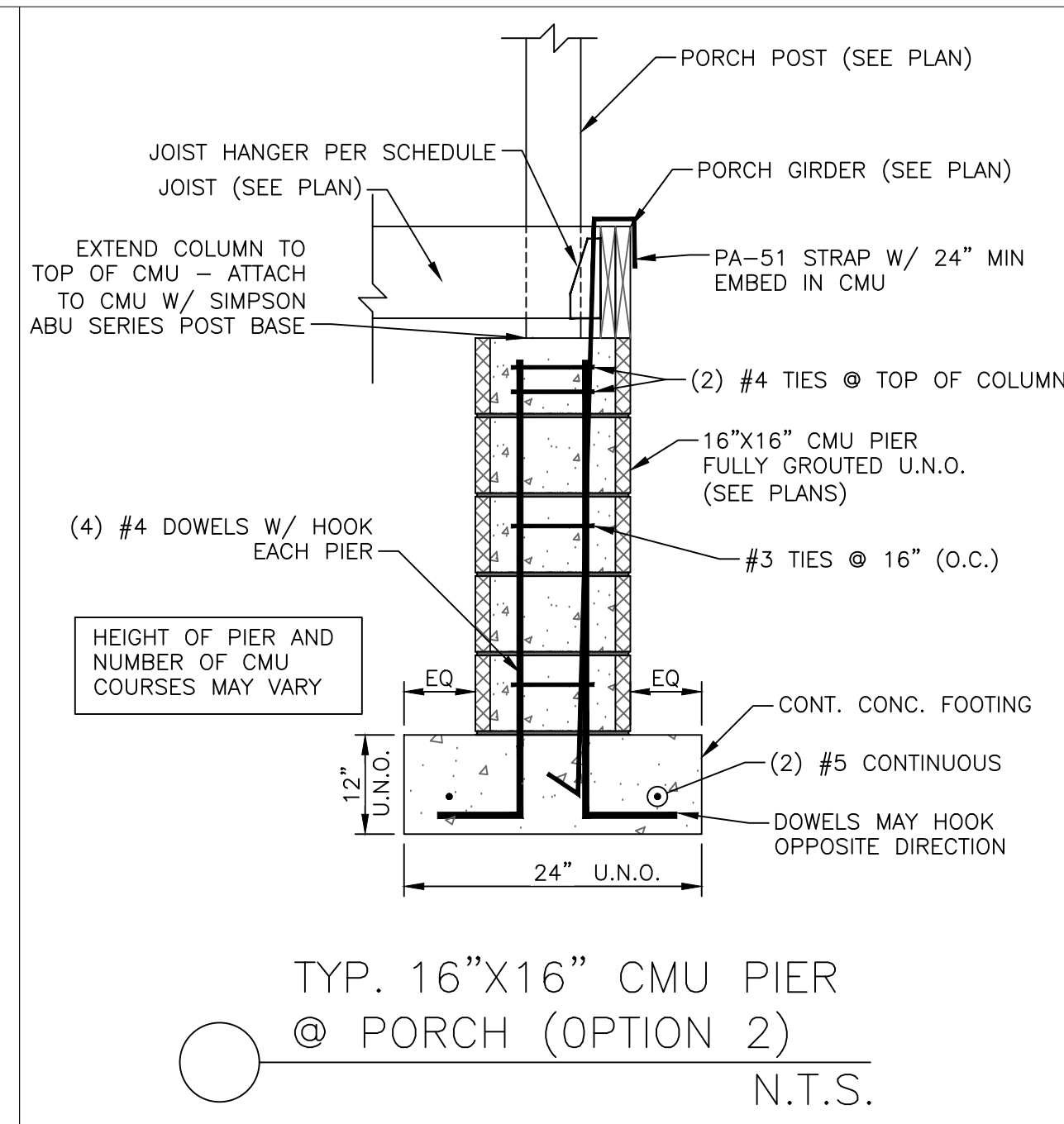
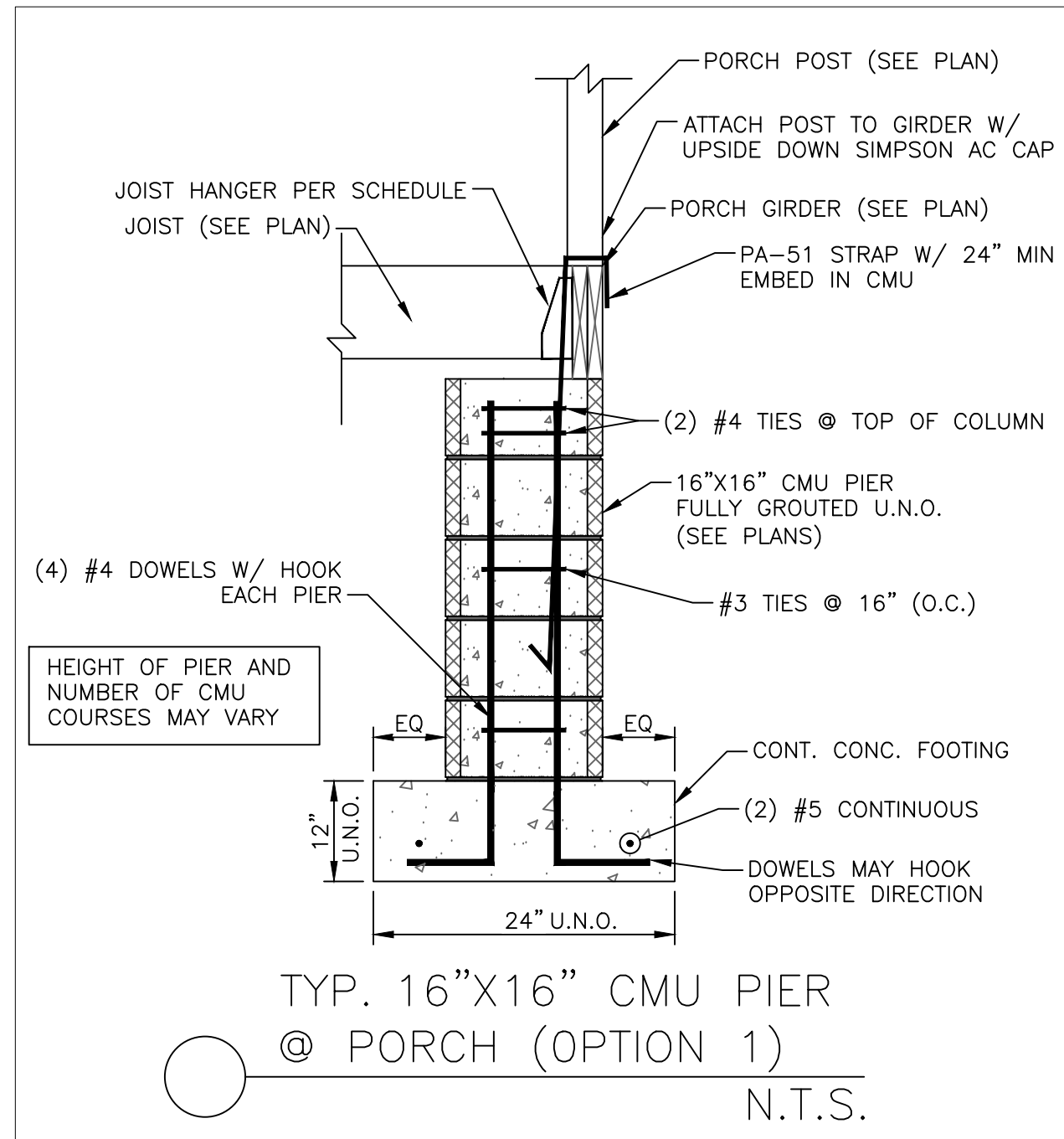
Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

RAISED SLAB FOUNDATION DETAILS

SHEET:
SD3.0



Residential Structures, P.C.
 Engineering and Design
 Charlotte: 704-332-5460
 Myrtle Beach/Florence: 704-301-9521
 www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
 4215 Fellowship Rd.
 N. Charleston, SC 29418

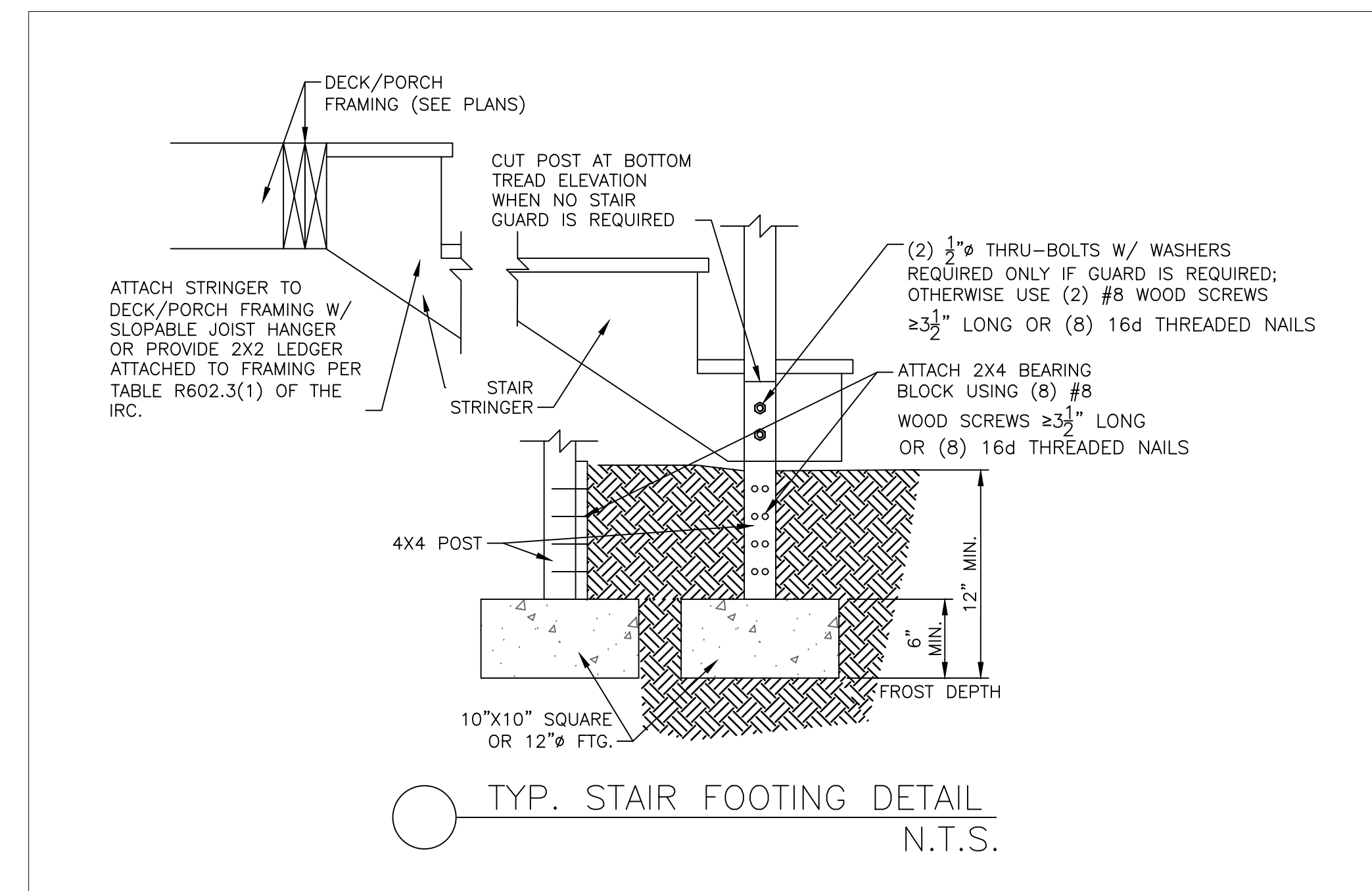
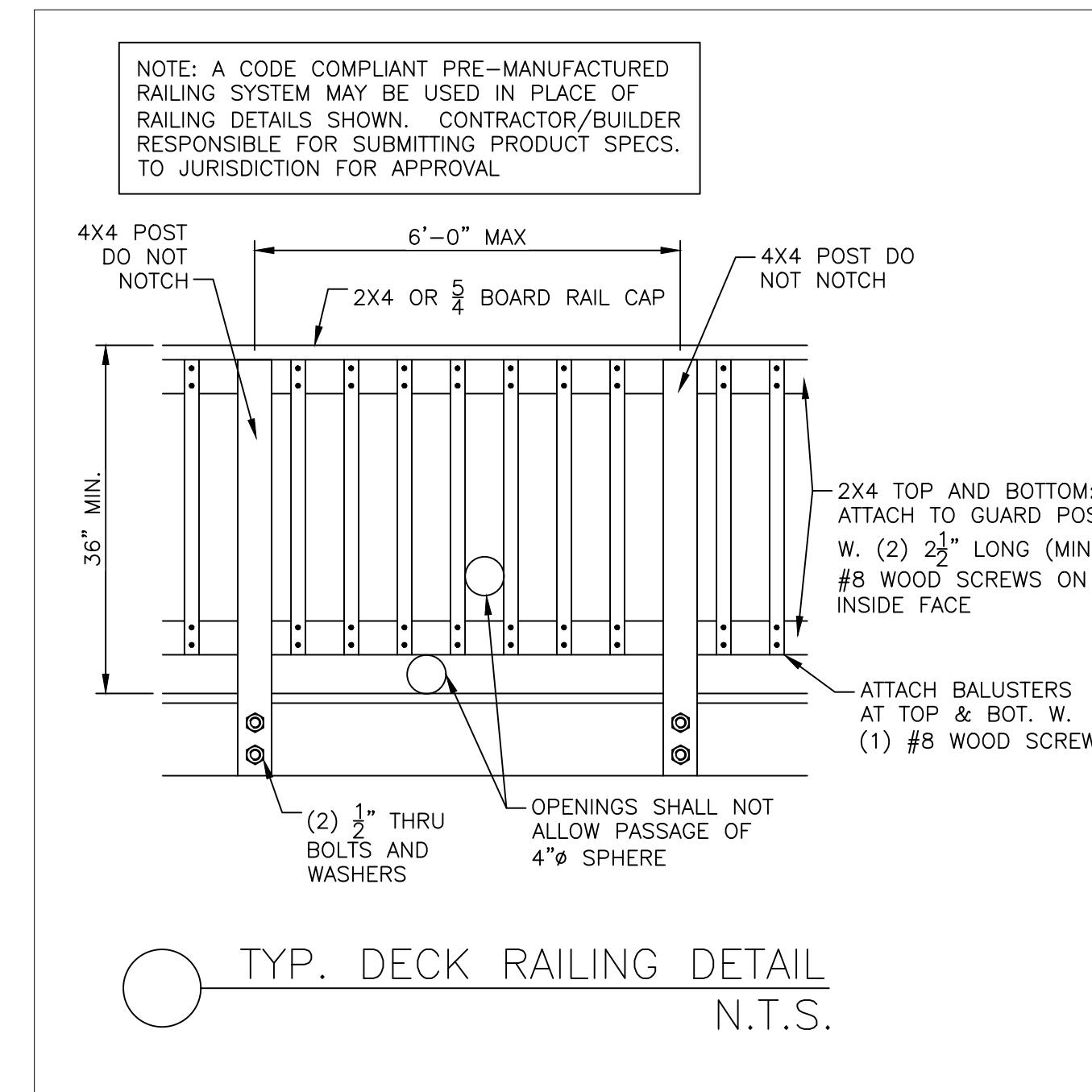
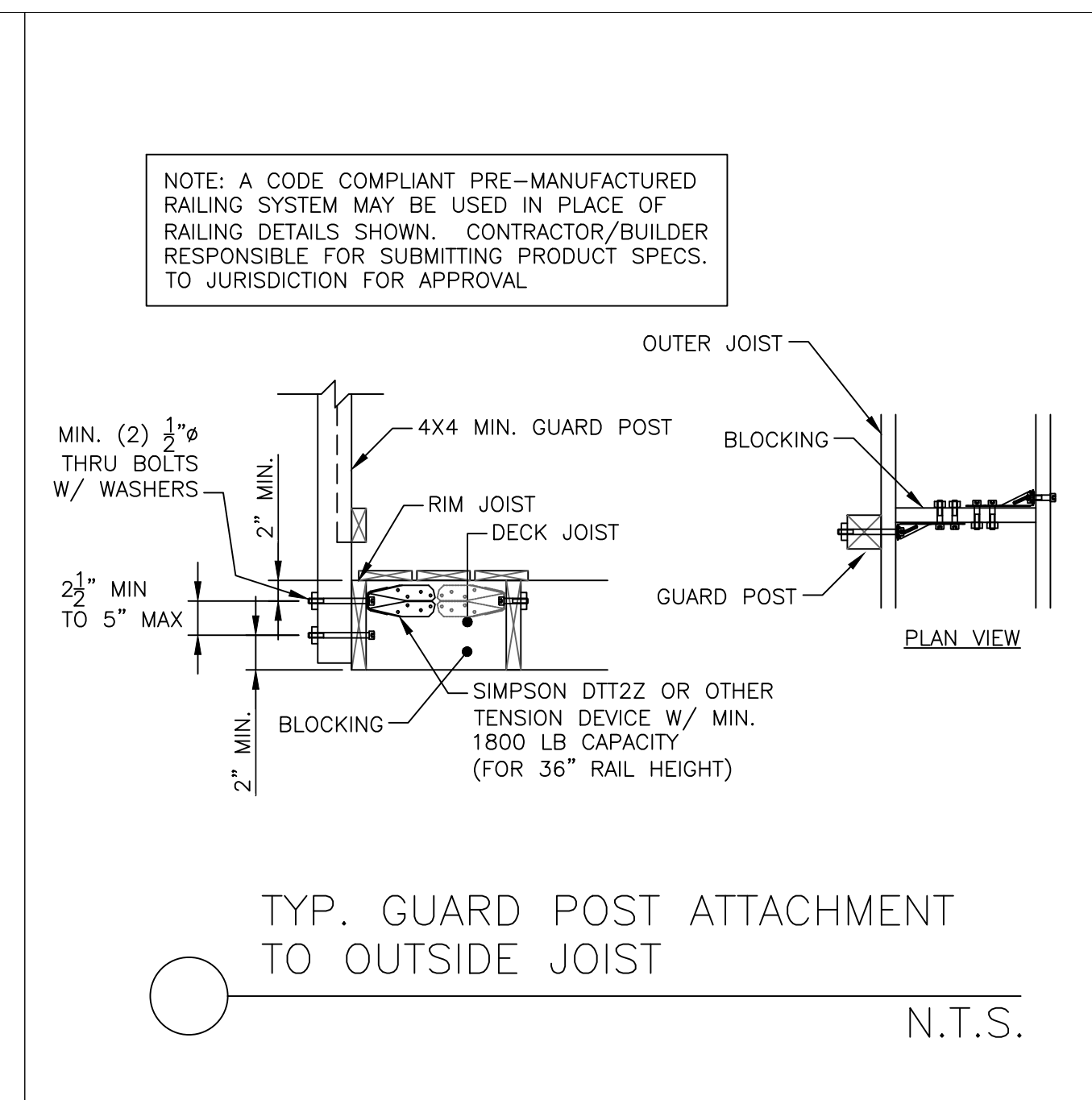
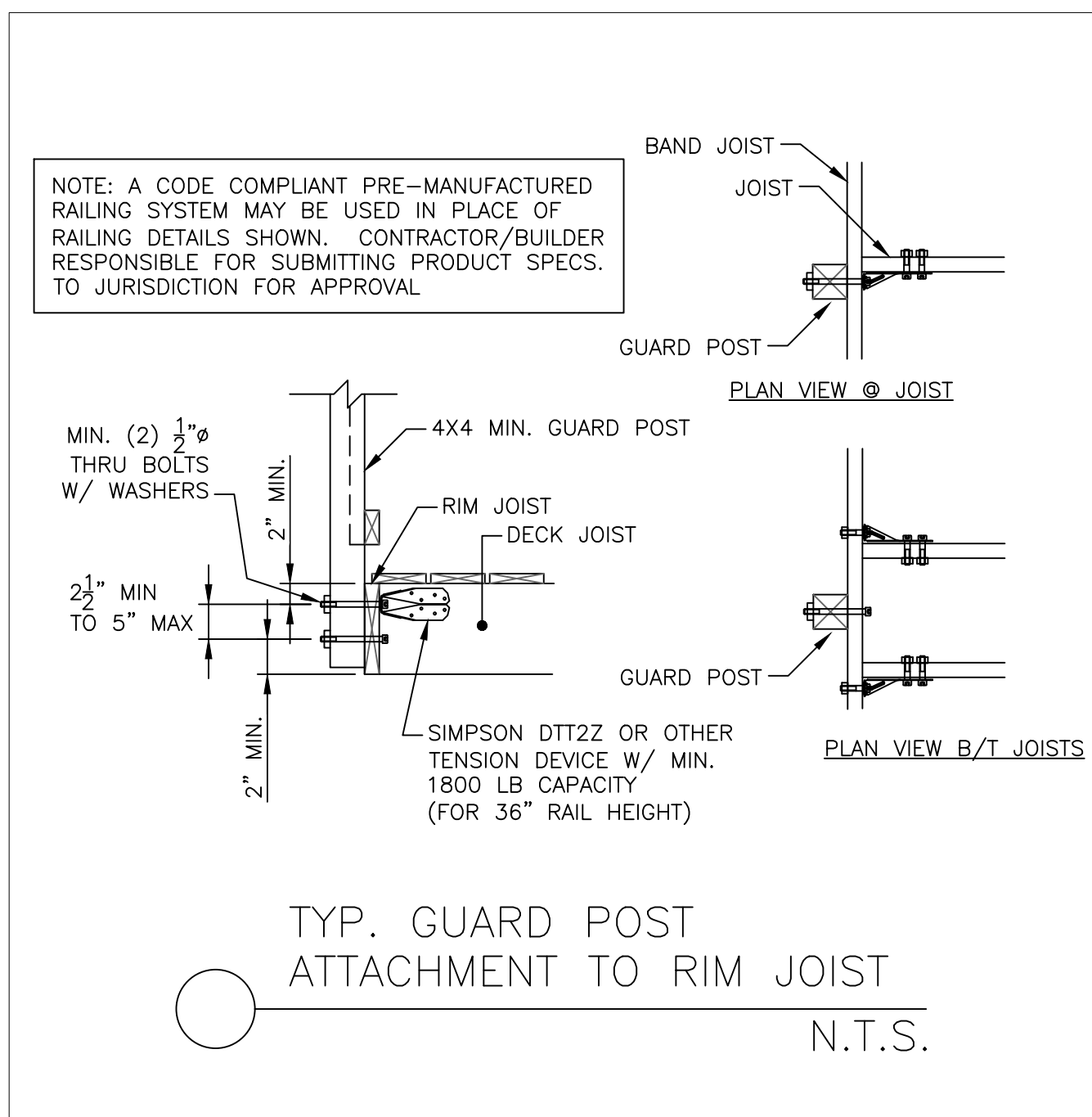
Plans to be used in conjunction with Residential Structures P.C. general notes

Schehlein Residence
 118 Peninsula Drive
 Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

PORCH DETAILS

SHEET:
SD4.0



Residential Structures, P.C.
Engineering and Design
Charlotte: 704-332-5460
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-301-9521
www.residentialstructurespc.com



SEAL FOR STRUCTURAL ONLY



SC COA NO. 3835

Residential Structures, P.C.
4215 Fellowship Rd.
N. Charleston, SC 29418

Plans to be used in conjunction
with Residential Structures P.C.
general notes

Schehlein Residence
118 Peninsula Drive
Ravenel, SC 29470

REV.	DATE	DESCRIPTION
DESIGNER:		CCM
DRAFTER:		MED
SCALE:		AS NOTED
DATE:	07/26/2024	

PORCH DETAILS

SHEET:

SD4.1