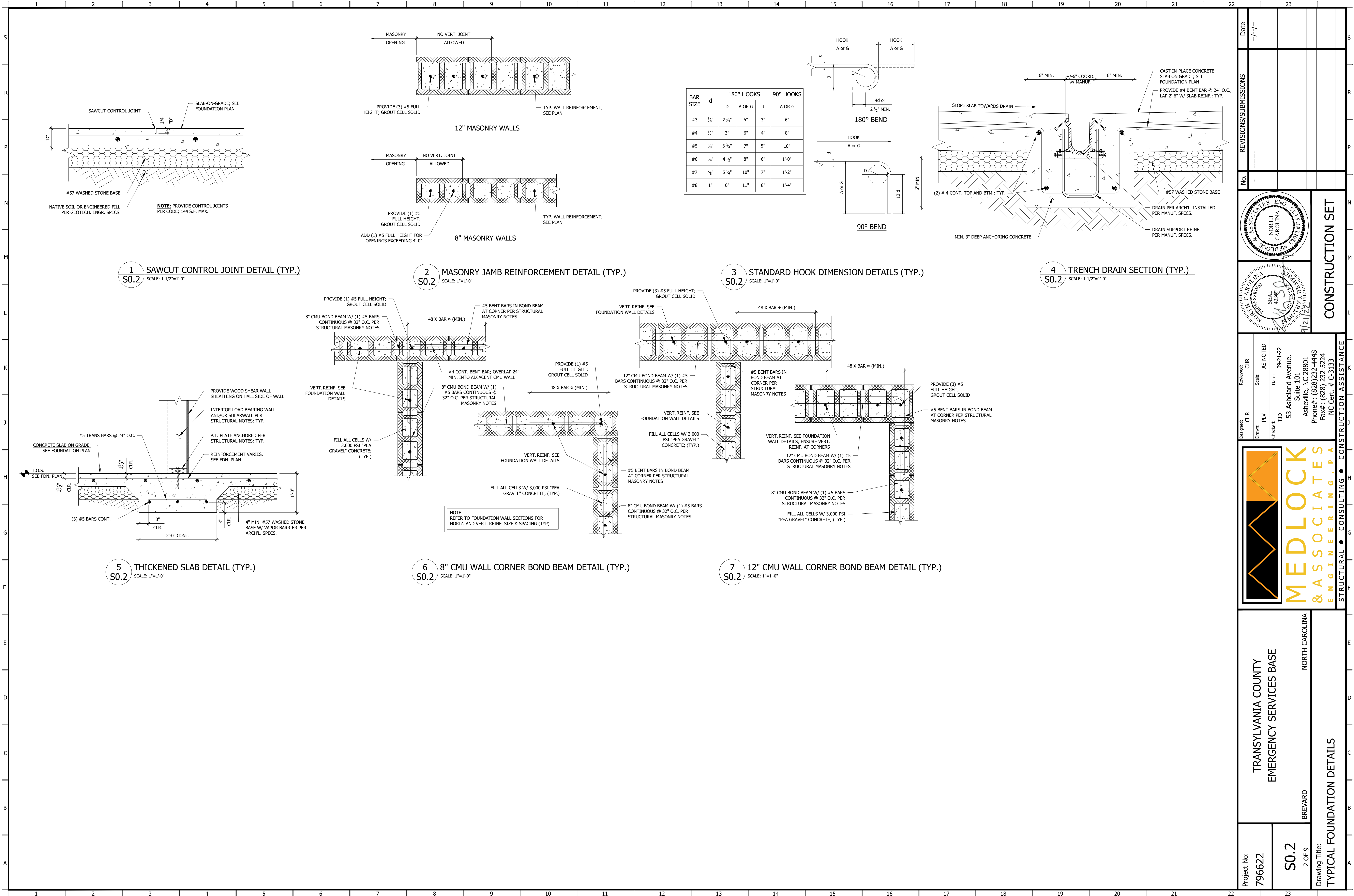
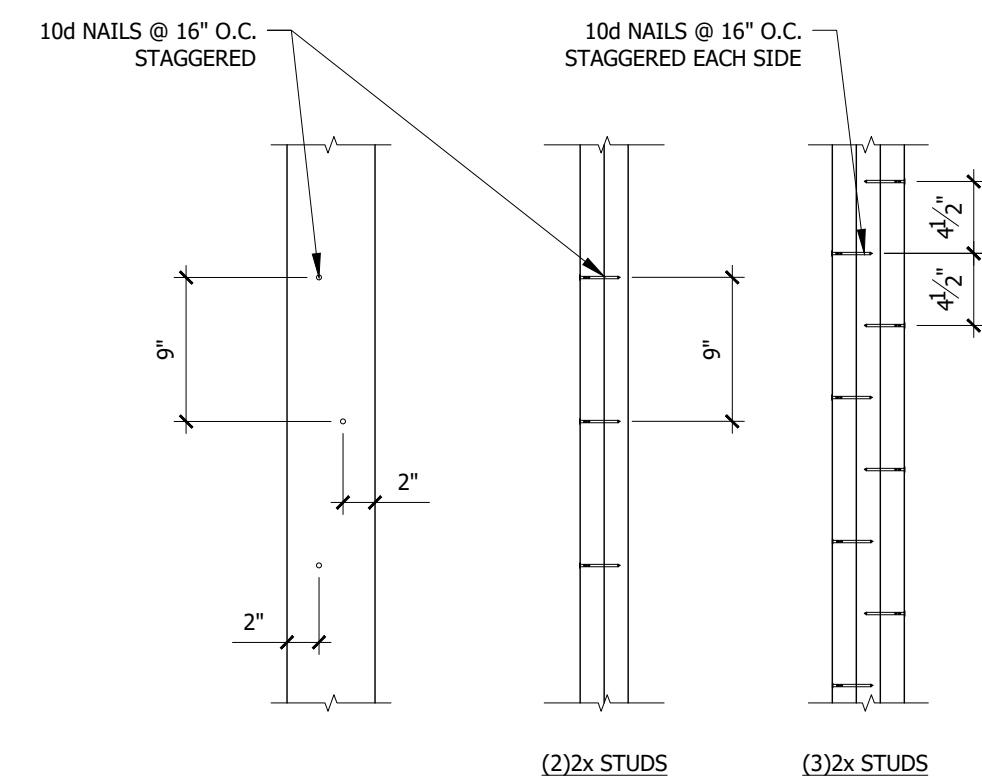
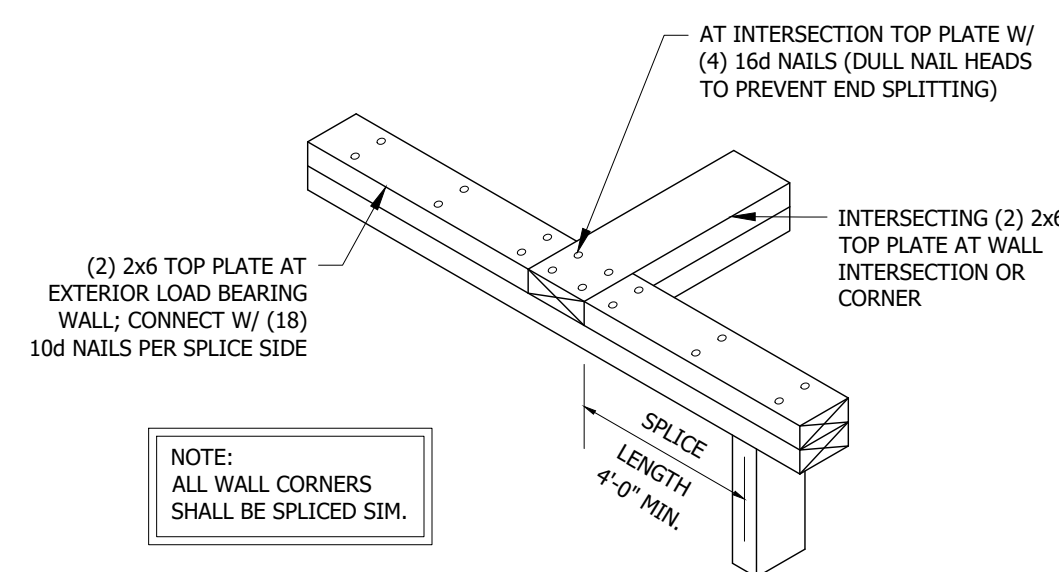
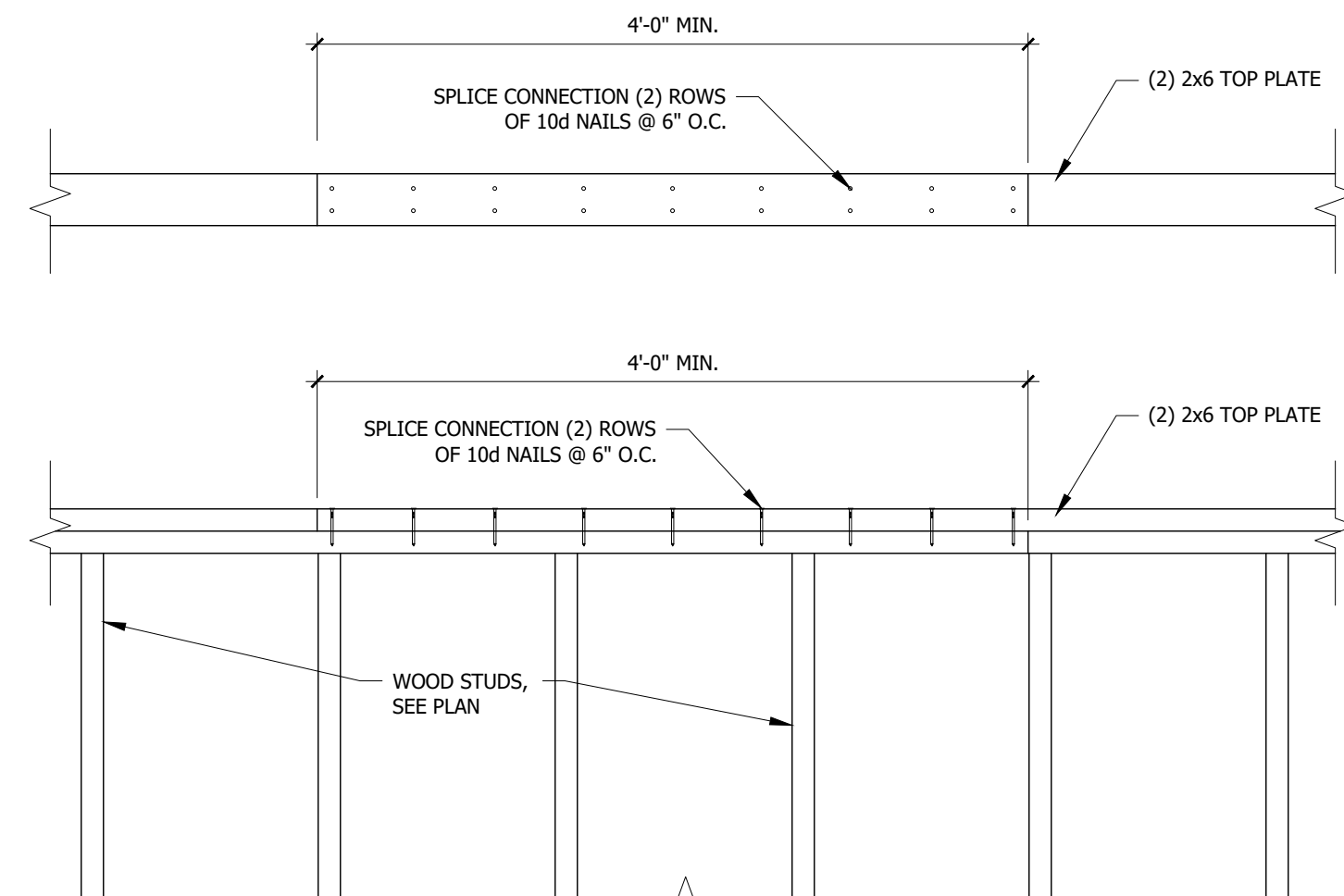


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	TRANSYLVANIA COUNTY EMERGENCY SERVICES BASE BREVARD, NORTH CAROLINA APPROX. ELEVATION = 2150'											DRAWING INDEX PAGE DESCRIPTION											
	S0.1 STRUCTURAL NOTES, DRAWING INDEX											TYPICAL ABBREVIATIONS											
	S0.2 TYPICAL FOUNDATION DETAILS											A.B. ANCHOR BOLT ADDL. ADDITIONAL ARCHL. ARCHITECTURAL BH. BEAM B.P. BASE PLATE BRG. BEARING BSMT. BASEMENT BTM. BOTTOM BTR. BETTER C.I.P. CAST IN PLACE C.J. CONTROL OR CONSTRUCTION JOINT CLR. CLEAR CMU CONCRETE MASONRY UNIT COL. COLUMN COMP. COMPOSITE CONC. CONCRETE CONST. CONSTRUCTION CONT. CONTINUOUS COORD. COORDINATE DET. DETAIL DIA. DIAMETER DWG. DRAWING E.B. EXPANSION BOLT E.O.S. EDGE OF SLAB E.O.W. EDGE OF WALL EQ. EQUAL ELEV. ELEVATION EXIST. EXISTING E.W. EACH WAY F.F. FINISHED FLOOR FIN. FINISHED FLR. FLOOR FND. FOUNDATION FTG. FOOTING GALV. GALVANIZED H.C. HOLLOW CORE HORIZ. HORIZONTAL H.D.G. HOT DIP GALVANIZED											
	S0.3 TYPICAL FRAMING DETAILS											H.S. HEADED STUD HSS HOLLOW STRUCTURAL SECTION JST. JOIST JT. JOINT LT. LIGHT MAS. MASONRY MAX. MAXIMUM MECH. MECHANICAL MANUF. MANUFACTURER MIN. MINIMUM NOM. NOMINAL N.T.S. NOT TO SCALE O.H. OPPOSITE HAND O.C. ON CENTER P.C. PRECAST OR PILE CAP PL. PLATE PREFAB. PREFABRICATED P.T. PRESSURE TREATED REF. REFERENCE REINF. REINFORCEMENT SECT. SECTION SIM. SIMILAR STD. STANDARD STL. STEEL STRUCT. STRUCTURAL SQ. SQUARE T.O.S. TOP OF SLAB / TOP OF STEEL T.O.W. TOP OF WALL TRANS. TRANSVERSE TYP. TYPICAL U.O.N. UNLESS OTHERWISE NOTED V.I.F. VERIFY IN FIELD VERT. VERTICAL WF WIDE FLANGE WOLM. WOLMANIZED WT. WEIGHT W.W.F. WELDED WIRE FABRIC											
	S1.1 FOUNDATION PLAN											2018 APPENDIX B: STRUCTURAL DESIGN											
	S1.2 MEZZANINE FLOOR FRAMING PLAN											DESIGN LOADS:											
	S1.3 ROOF FRAMING PLAN											IMPORTANCE FACTORS: SNOW (L _s) 1.20 											

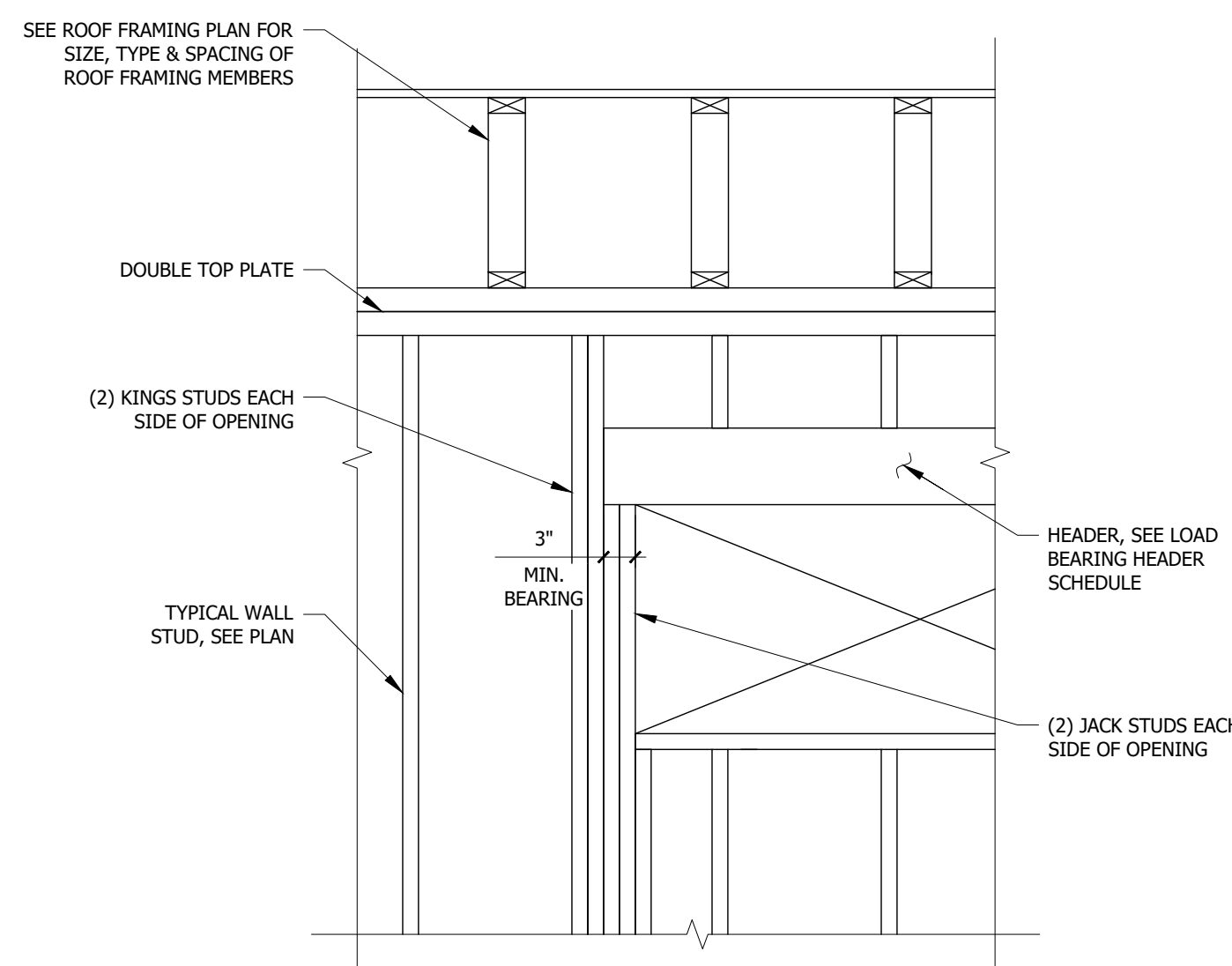
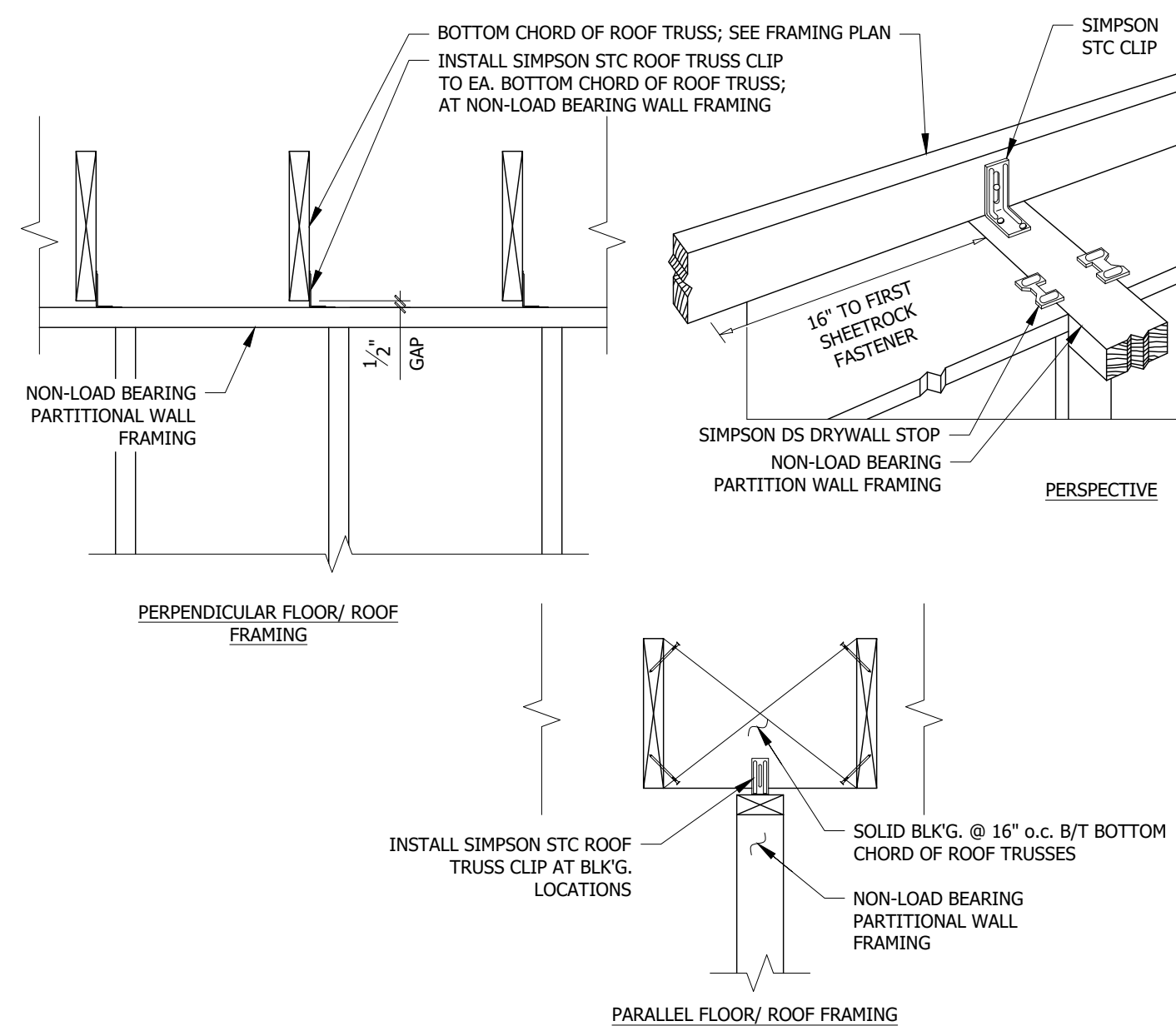




2 TOP PLATE LAP DETAIL (TYP.)
S03 SCALE: 1"=1'-0"

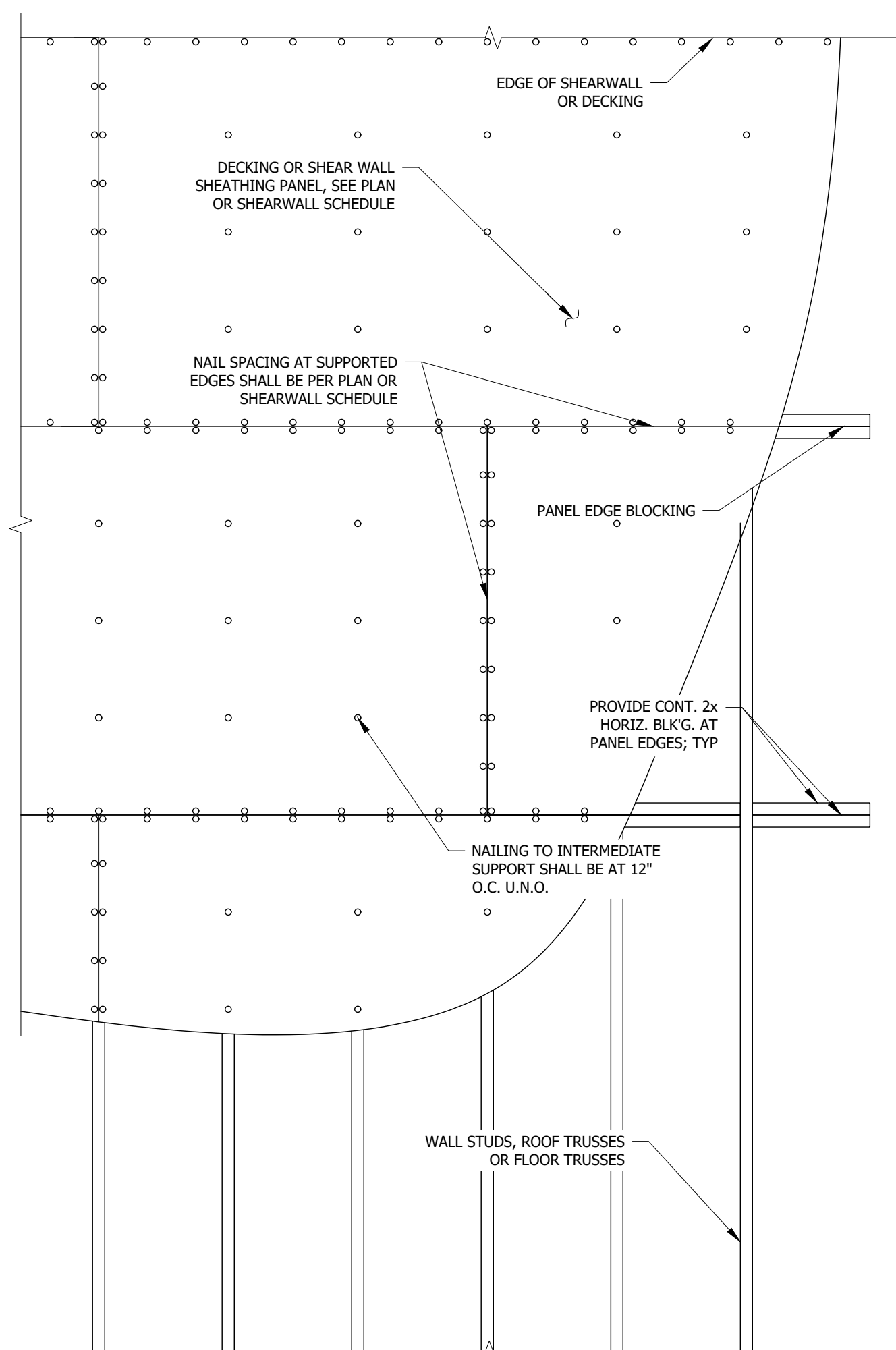
3 TOP PLATE INTERSECTION DETAIL (TYP.)
S0 3 SCALE: 1"=1'-0"

4 BUILT-UP WALL STUD COL. DETAIL (TYP.)
S0 3 SCALE: 1"=1'-0"



5 FRAMING DETAIL AT NON L.B. PARTITIONS (TYP.)
S0 3 SCALE: 1"=1'-0"

6 LOAD BEARING HEADER ELEVATION (TYP.)
S0 3 SCALE: 3/4"=1'-0"





NOTES

1. FLOOR AND ROOF SHEATHING SHALL BE STAGGERED AS SHOWN WITH LONG DIRECTION OF PLYWOOD TRANSVERSE TO TRUSSES.
2. PROVIDE BLOCKING AT UNSUPPORTED (UNBLOCKED) PANEL EDGES AS REQUIRED BY DECK NOTES OR SHEARWALL SCHEDULE.
3. MINIMUM SIZE OF SHEET FOR SHEARWALL SHEATHING IS 24"x18"

7 SHEATHING ATTACHMENT DETAIL (TYP.)
S03 SCALE: 3/4"=1'-0"

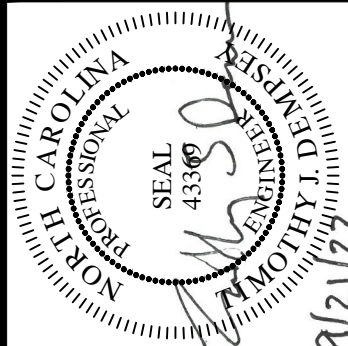
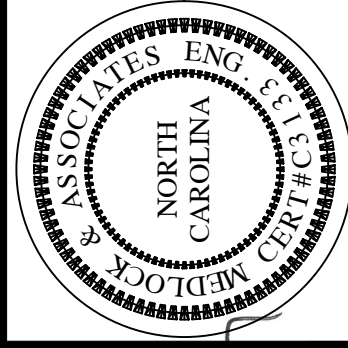
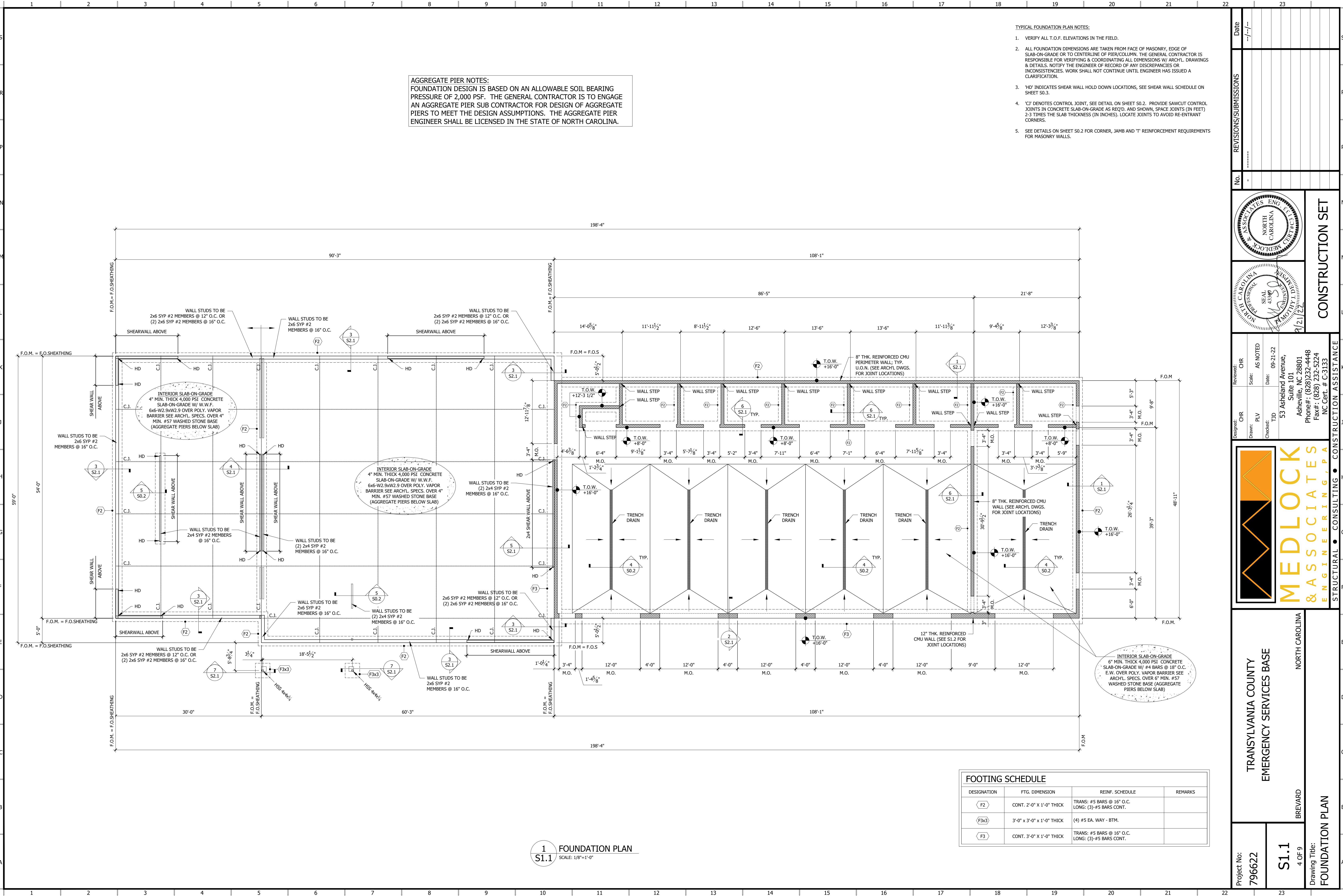
SHEAR WALL SCHEDULE								
DESIGNATION	SHEATHING	EDGE NAILING PATTERN (10d COMMON)	END POSTS	HOLD DOWN ANCHORS EA. END	HOLD DOWN ANCHOR BOLT DIAMETER	SILL PLATE TO FOUNDATION	HOLD DOWN ANCHOR BOLT EMBEDMENT	REMARKS
SWA	SEE STRUCTURAL LUMBER NOTES	6" @ EDGES 12" IN FIELD	(2) 2x6	DTT1Z	¾"ø	⅜"ø @ 16" O.C.	HOLD DOWN ANCHOR BOLT 4" MIN. EMBEDMENT	
SWB	SEE STRUCTURAL LUMBER NOTES	6" @ EDGES 12" IN FIELD	(3) 2x4	DTT1Z	¾"ø	⅜"ø @ 16" O.C.	HOLD DOWN ANCHOR BOLT 4" MIN. EMBEDMENT	
SWC	SEE STRUCTURAL LUMBER NOTES	6" @ EDGES 12" IN FIELD	(2) 2x6	DTT2Z	½"ø	¾"ø @ 16" O.C. (TOP OF MASONRY WALL)	HOLD DOWN ANCHOR BOLT 5" MIN. EMBEDMENT	ANCHOR EMBEDMENT IS INTO TOP OF MASONRY WALL

Project No: 796622		TRANSLYVANIA COUNTY EMERGENCY SERVICES BASE	
S0.3 3 OF 9		BREVARD NORTH CAROLINA	
Drawing Title: TYPICAL FRAMING DETAILS			
		 MEDLOCK & ASSOCIATES ENGINEERING, P.A.	
Designed:		Reviewed:	
CHR	CHR	Scale:	AS NOTED
Drawn:	PLV	Date:	09-21-22
Checked:	TJD	53 Asheland Avenue, Suite 101 Asheville, NC 28801 Phone#: (828) 232-4448 Fax#: (828) 232-5224 NC Cert. # C-3133	
		No.	
		REVISIONS/SUBMISSIONS	
		Date	
		--/--/----	

		CONSTRUCTION SET	
		9/21/22	

AGGREGATE PIER NOTES:
FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF. THE GENERAL CONTRACTOR IS TO ENGAGE AN AGGREGATE PIER SUB CONTRACTOR FOR DESIGN OF AGGREGATE PIERS TO MEET THE DESIGN ASSUMPTIONS. THE AGGREGATE PIER ENGINEER SHALL BE LICENSED IN THE STATE OF NORTH CAROLINA.

- TYPICAL FOUNDATION PLAN NOTES:
1. VERIFY ALL T.O.F. ELEVATIONS IN THE FIELD.
 2. ALL FOUNDATION DIMENSIONS ARE TAKEN FROM FACE OF MASONRY, EDGE OF SLAB-ON-GRADE OR TO CENTERLINE OF PIER/COLUMN. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING & COORDINATING ALL DIMENSIONS W/ ARCH'L. DRAWINGS & DETAILS. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES OR INCONSISTENCIES. WORK SHALL NOT CONTINUE UNTIL ENGINEER HAS ISSUED A CLARIFICATION.
 3. 'HD' INDICATES SHEAR WALL HOLD DOWN LOCATIONS, SEE SHEAR WALL SCHEDULE ON SHEET S0.3.
 4. 'CJ' DENOTES CONTROL JOINT, SEE DETAIL ON SHEET S0.2. PROVIDE SAWCUT CONTROL JOINTS IN CONCRETE SLAB-ON-GRADE AS REQ'D. AND SHOWN, SPACE JOINTS (IN FEET) 2-3 TIMES THE SLAB THICKNESS (IN INCHES). LOCATE JOINTS TO AVOID RE-ENTRANT CORNERS.
 5. SEE DETAILS ON SHEET S0.2 FOR CORNER, JAMB AND 'T' REINFORCEMENT REQUIREMENTS FOR MASONRY WALLS.



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Scale: Date: 09-21-22
Designed: CHR
Drawn: PLV
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Fax#: (828) 232-5224
NC Cert. # C-3133

TRANSLYVANIA COUNTY
EMERGENCY SERVICES BASE

Project No:
796622

S1.1

4 OF 9

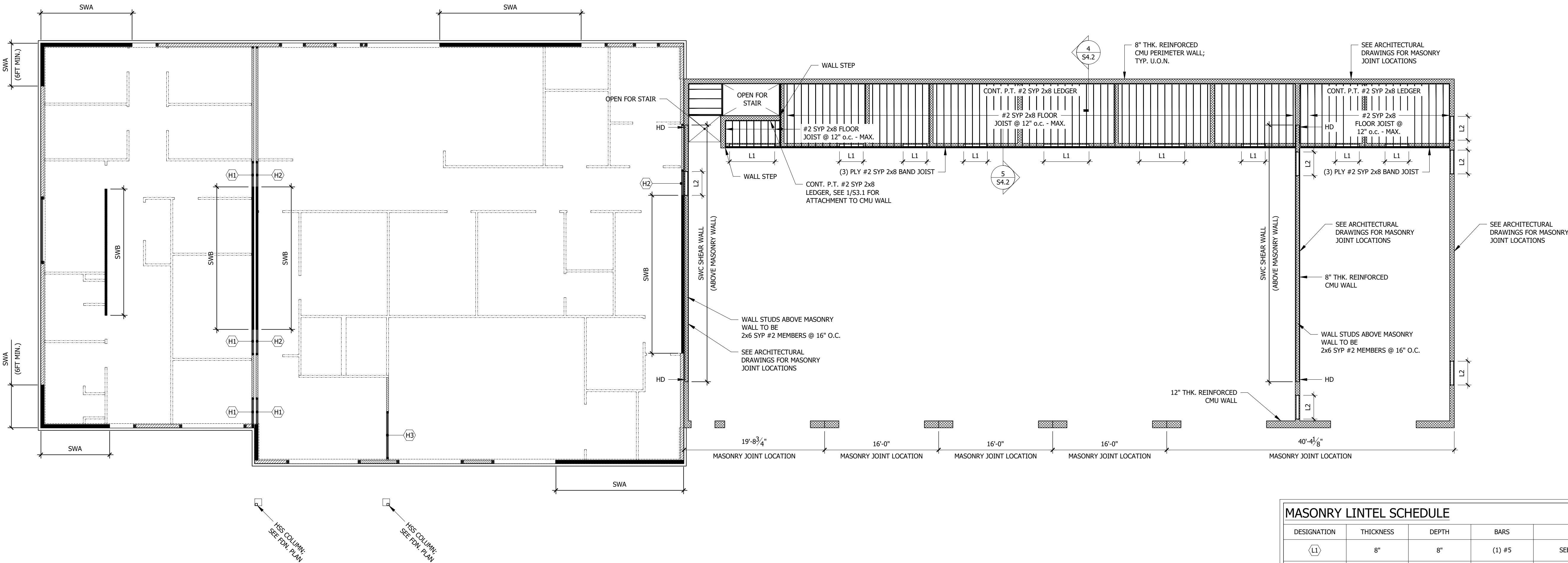
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FOUNDATION PLAN

FOUNDATION PLAN

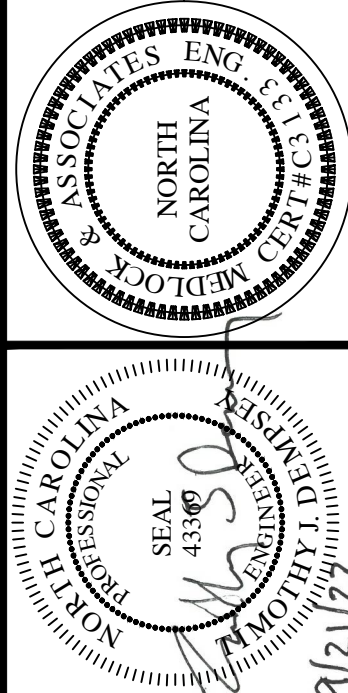
CONSTRUCTION SET

STRUCTURAL • CONSULTING • CONSTRUCTION ASSISTANCE

MEDLOCK & ASSOCIATES
ENGINEERING, P.A.



- TYPICAL FRAMING PLAN NOTES:
- 'SW#\"/>



CONSTRUCTION SET

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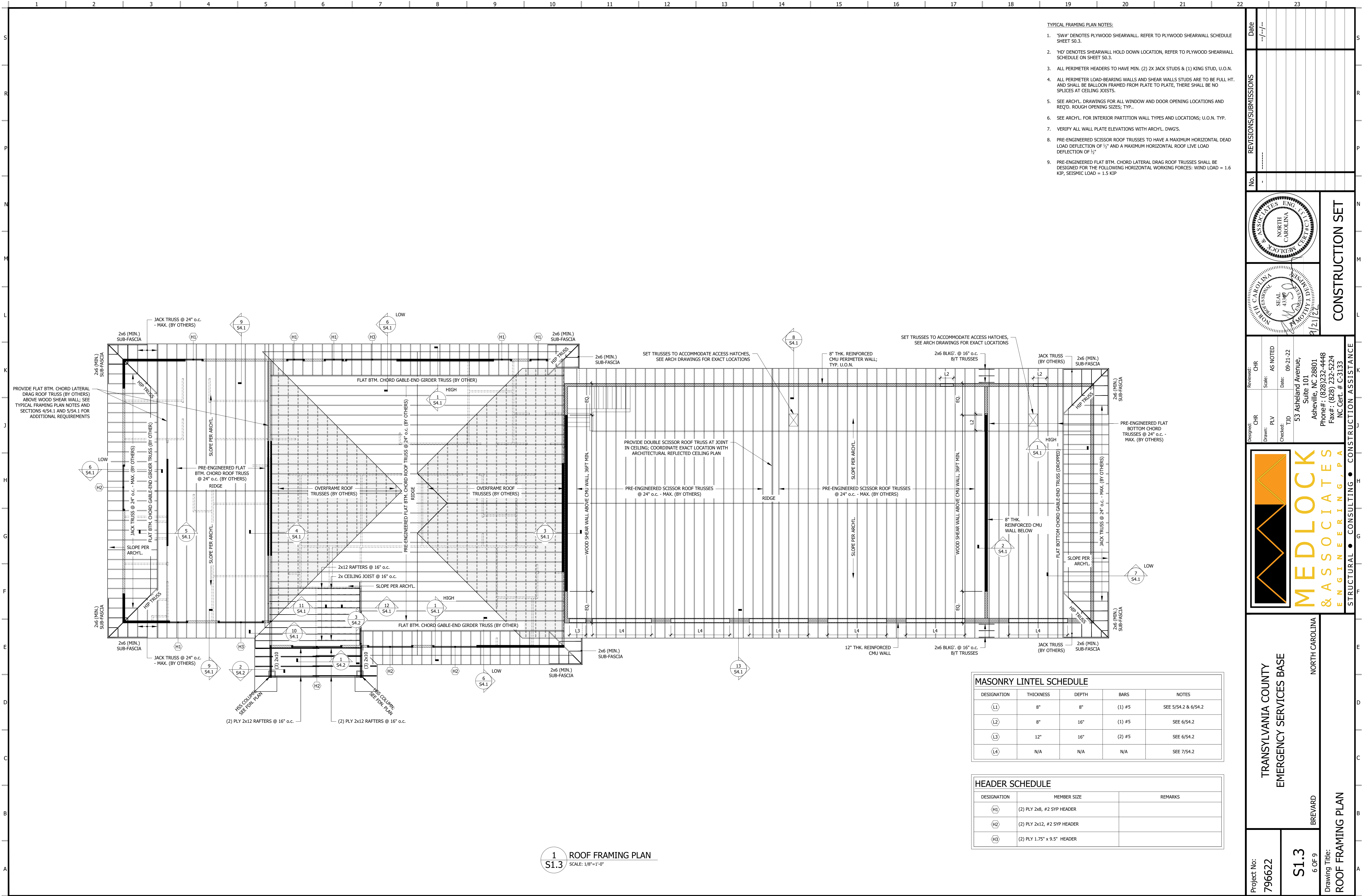


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MASONRY LINTEL SCHEDULE				
DESIGNATION	THICKNESS	DEPTH	BARS	NOTES
(L1)	8"	8"	(1) #5	SEE 5/S4.2 & 6/S4.2
(L2)	8"	16"	(1) #5	SEE 6/S4.2
(L3)	12"	16"	(2) #5	SEE 6/S4.2
(L4)	N/A	N/A	N/A	SEE 7/S4.2

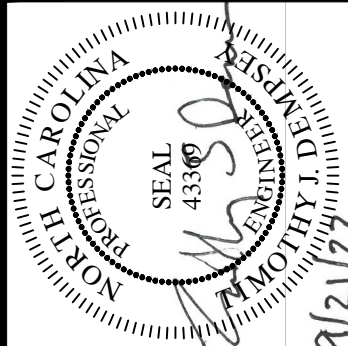
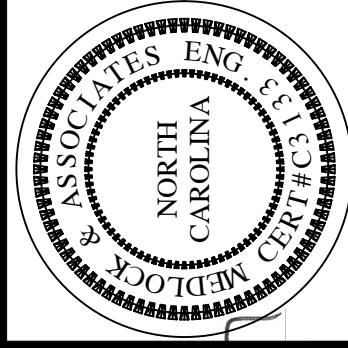
HEADER SCHEDULE		
DESIGNATION	MEMBER SIZE	REMARKS
(H1)	(2) PLY 2x8, #2 SYP HEADER	
(H2)	(2) PLY 2x12, #2 SYP HEADER	
(H3)	(2) PLY 1.75" x 9.5" HEADER	

1 MEZZANINE FLOOR FRAMING PLAN
S1.2 SCALE: 1/8"=1'-0"



TYPICAL FRAMING PLAN NOTES:

- "SW#" DENOTES PLYWOOD SHEARWALL. REFER TO PLYWOOD SHEARWALL SCHEDULE SHEET S0.3.
- "HD" DENOTES SHEARWALL HOLD DOWN LOCATION, REFER TO PLYWOOD SHEARWALL SCHEDULE ON SHEET S0.3.
- ALL PERIMETER HEADERS TO HAVE MIN. (2) 2X JACK STUDS & (1) KING STUD, U.O.N.
- ALL PERIMETER LOAD-BEARING WALLS AND SHEAR WALLS STUDS ARE TO BE FULL HT. AND SHALL BE BALLOON FRAMED FROM PLATE TO PLATE, THERE SHALL BE NO SPLICES AT CEILING JOISTS.
- SEE ARCH'L. DRAWINGS FOR ALL WINDOW AND DOOR OPENING LOCATIONS AND REQ'D. ROUGH OPENING SIZES; TYP..
- SEE ARCH'L. FOR INTERIOR PARTITION WALL TYPES AND LOCATIONS; U.O.N. TYP.
- VERIFY ALL WALL PLATE ELEVATIONS WITH ARCH'L. DWGS.
- PRE-ENGINEERED SCISSOR ROOF TRUSSES TO HAVE A MAXIMUM HORIZONTAL DEAD LOAD DEFLECTION OF $\frac{1}{2}$ " AND A MAXIMUM HORIZONTAL ROOF LIVE LOAD DEFLECTION OF $\frac{1}{2}$ ".
- PRE-ENGINEERED FLAT BTM. CHORD LATERAL DRAG ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING HORIZONTAL WORKING FORCES: WIND LOAD = 1.6 KIP, SEISMIC LOAD = 1.5 KIP



CONSTRUCTION SET

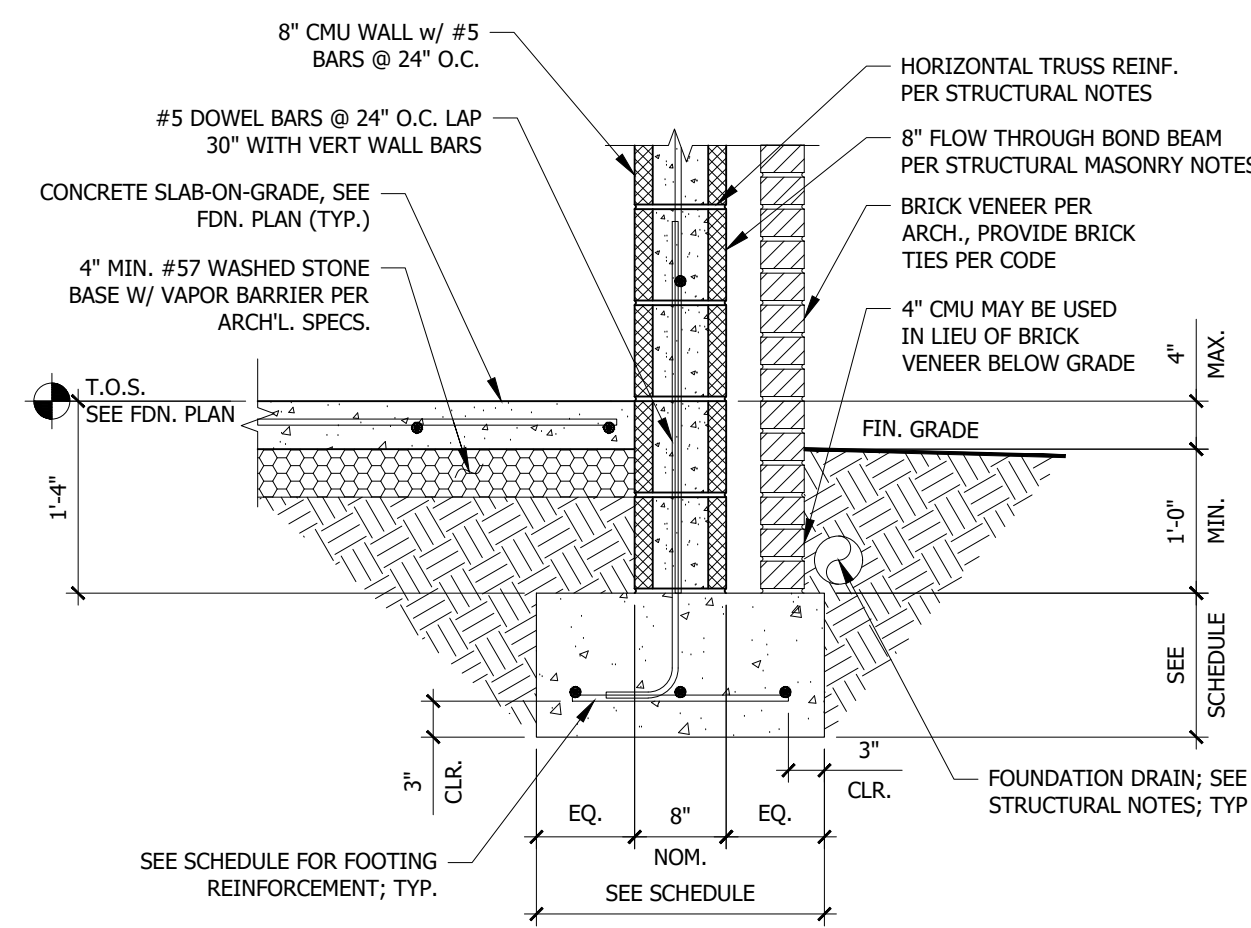
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Date: 09-21-22
Designed: CHR
Drawn: PLV
Checked: TJD
53 Asheland Avenue,
Suite 101
Asheville, NC 28801
Phone#: (828) 232-4448
Fax#: (828) 232-5224
NC Cert. # C-3133



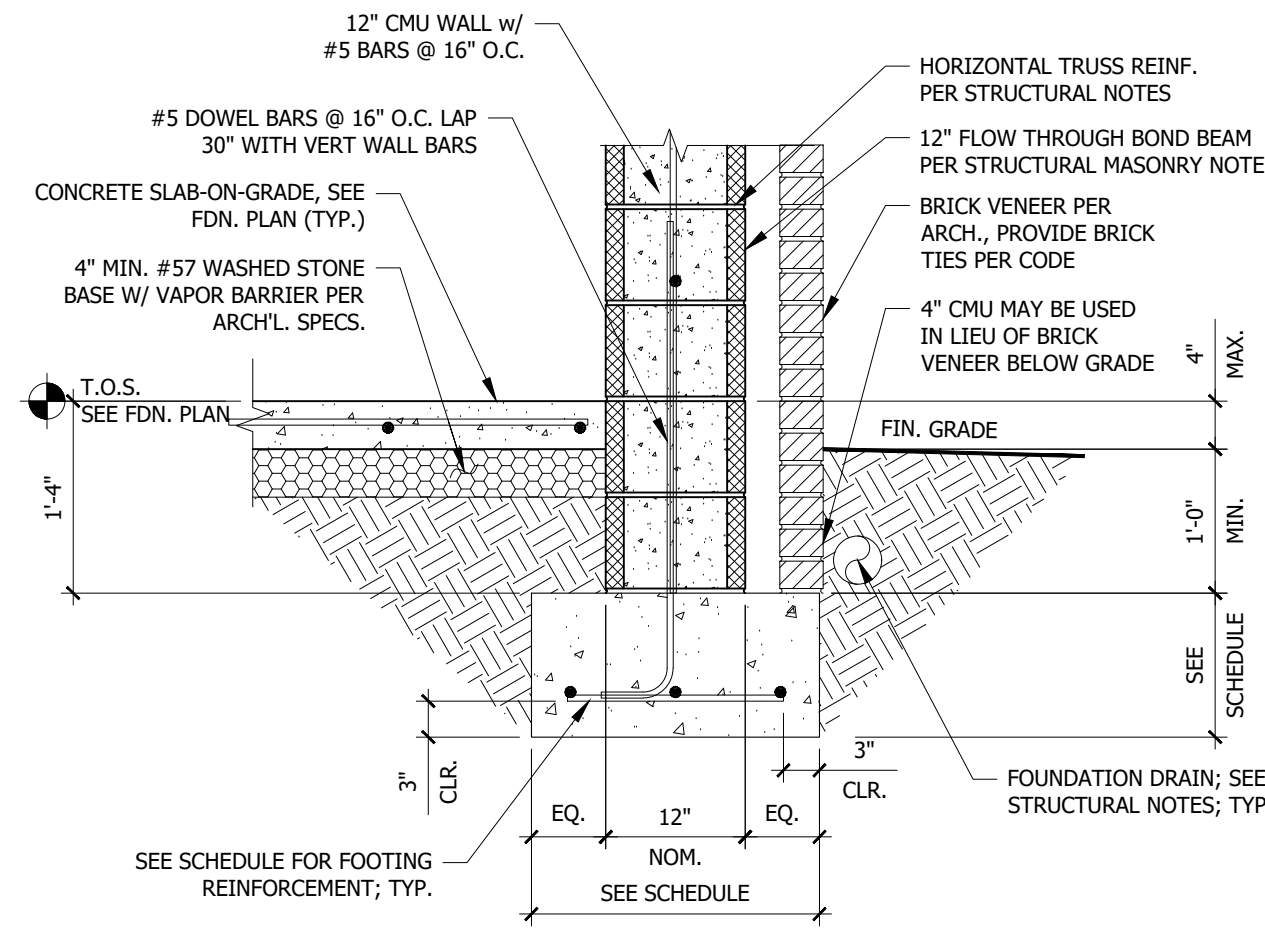
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S1.3
6 OF 9
Drawing Title: ROOF FRAMING PLAN
TRANSLYVANIA COUNTY
EMERGENCY SERVICES BASE
NORTH CAROLINA
BREVARD

MASONRY LINTEL SCHEDULE				
DESIGNATION	THICKNESS	DEPTH	BARS	NOTES
(L1)	8"	8"	(1) #5	SEE 5/S4.2 & 6/S4.2
(L2)	8"	16"	(1) #5	SEE 6/S4.2
(L3)	12"	16"	(2) #5	SEE 6/S4.2
(L4)	N/A	N/A	N/A	SEE 7/S4.2

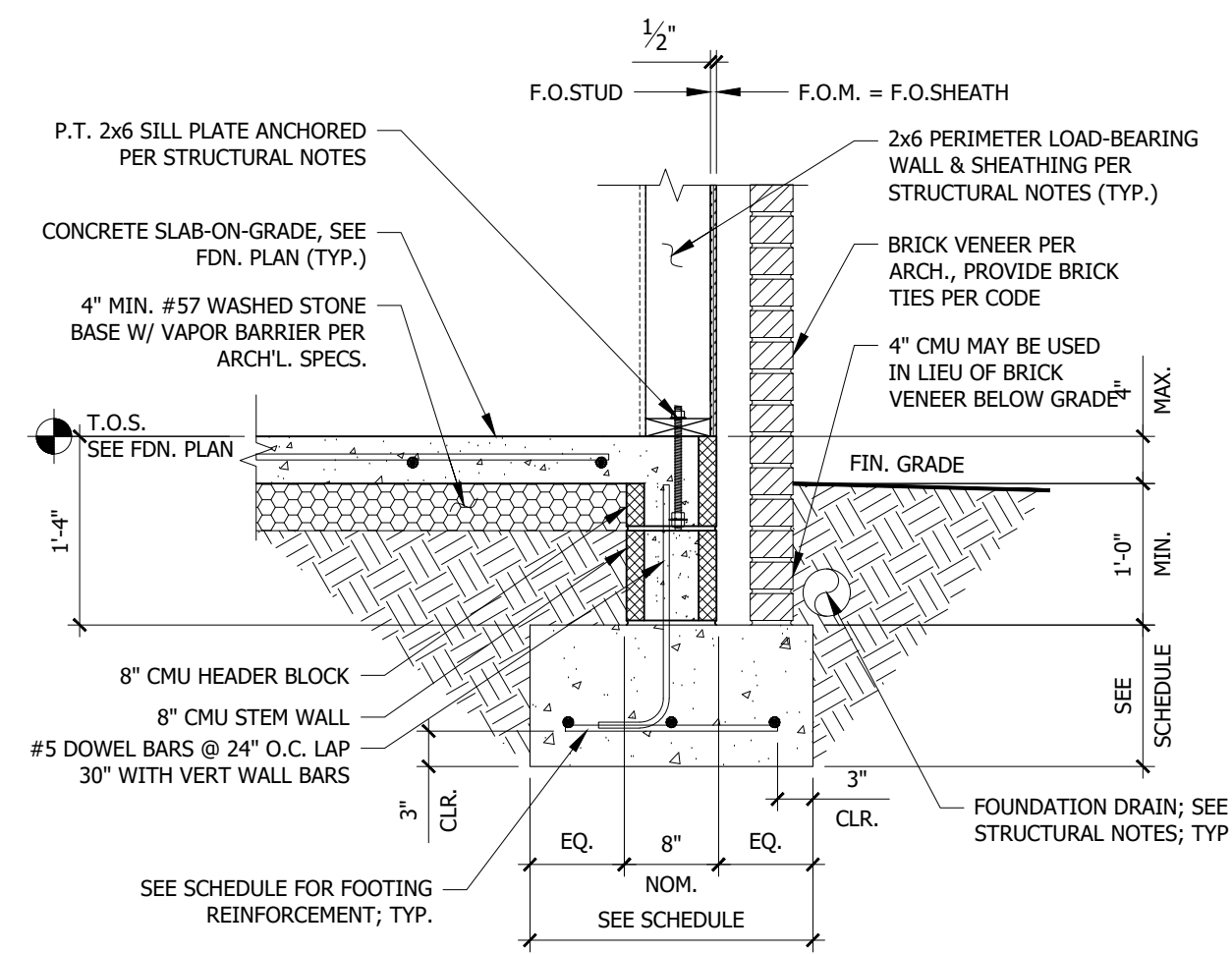
HEADER SCHEDULE		
DESIGNATION	MEMBER SIZE	REMARKS
(H1)	(2) PLY 2x8, #2 SYP HEADER	
(H2)	(2) PLY 2x12, #2 SYP HEADER	
(H3)	(2) PLY 1.75" x 9.5" HEADER	



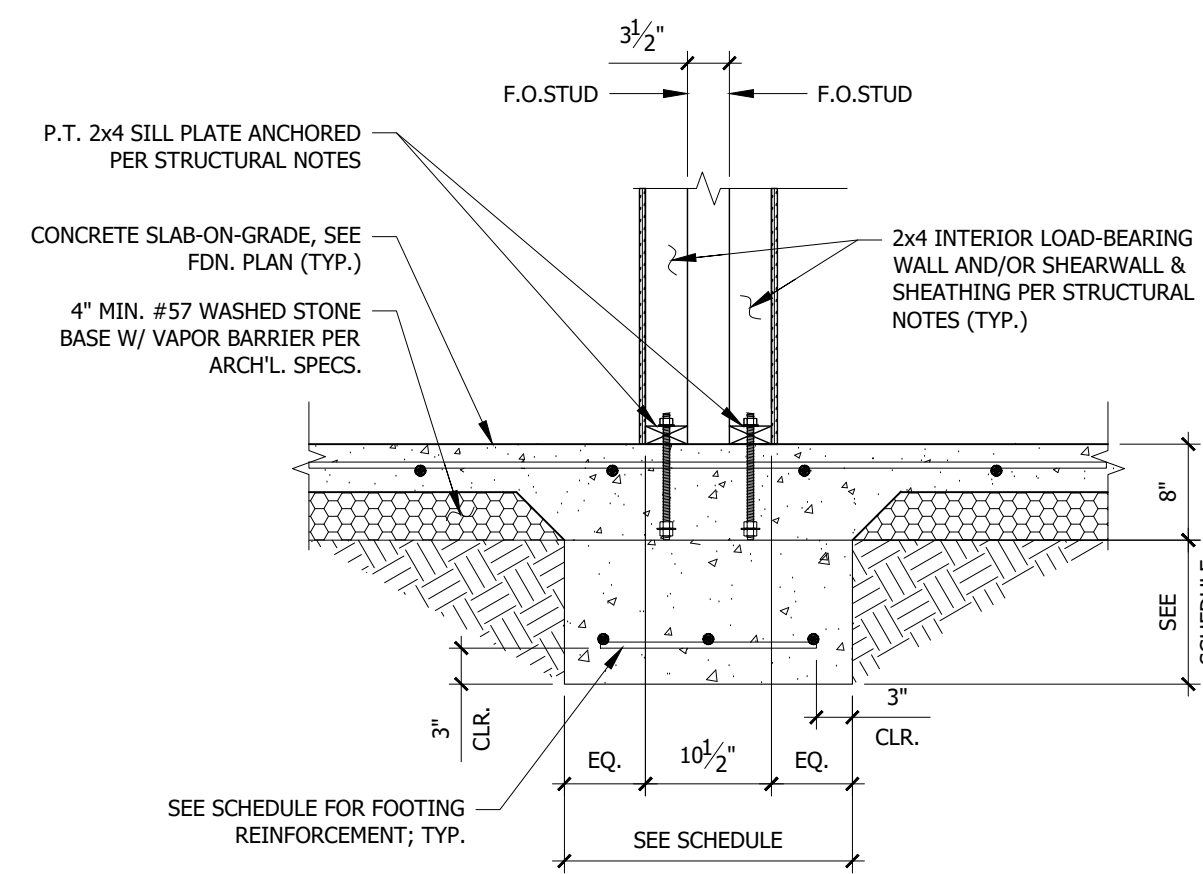
1 FOUNDATION DETAIL
S2.1 SCALE: 3/4"=1'-0"



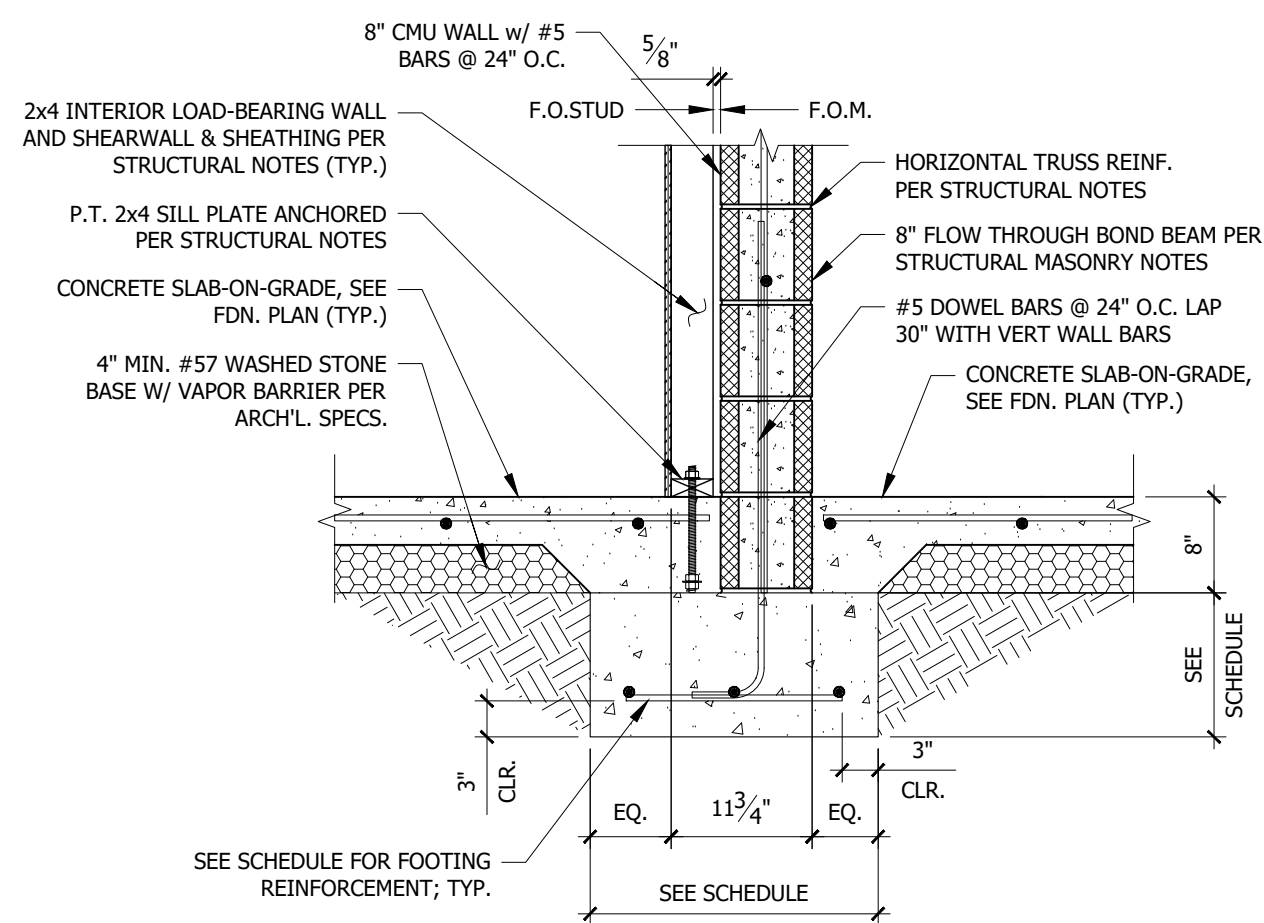
2 FOUNDATION DETAIL
S2.1 SCALE: 3/4"=1'-0"



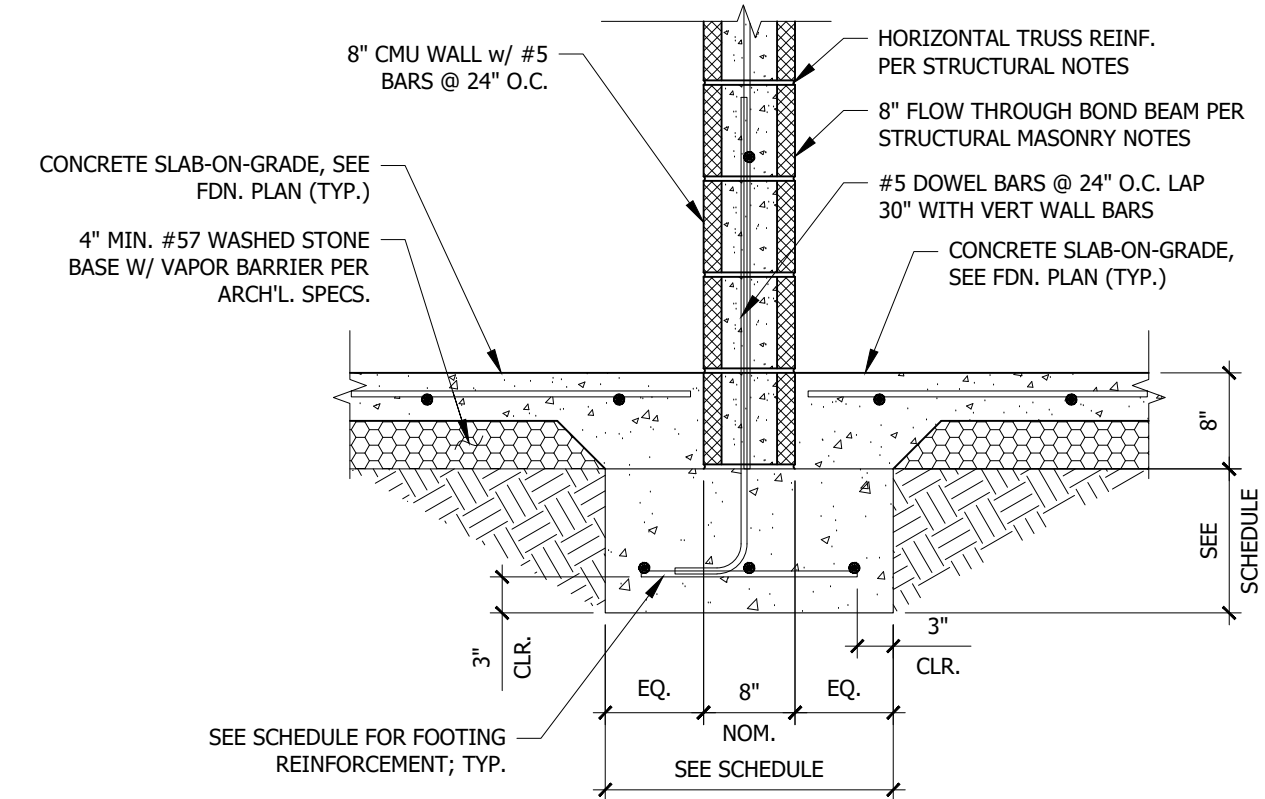
3 FOUNDATION DETAIL
S2.1 SCALE: 3/4"=1'-0"



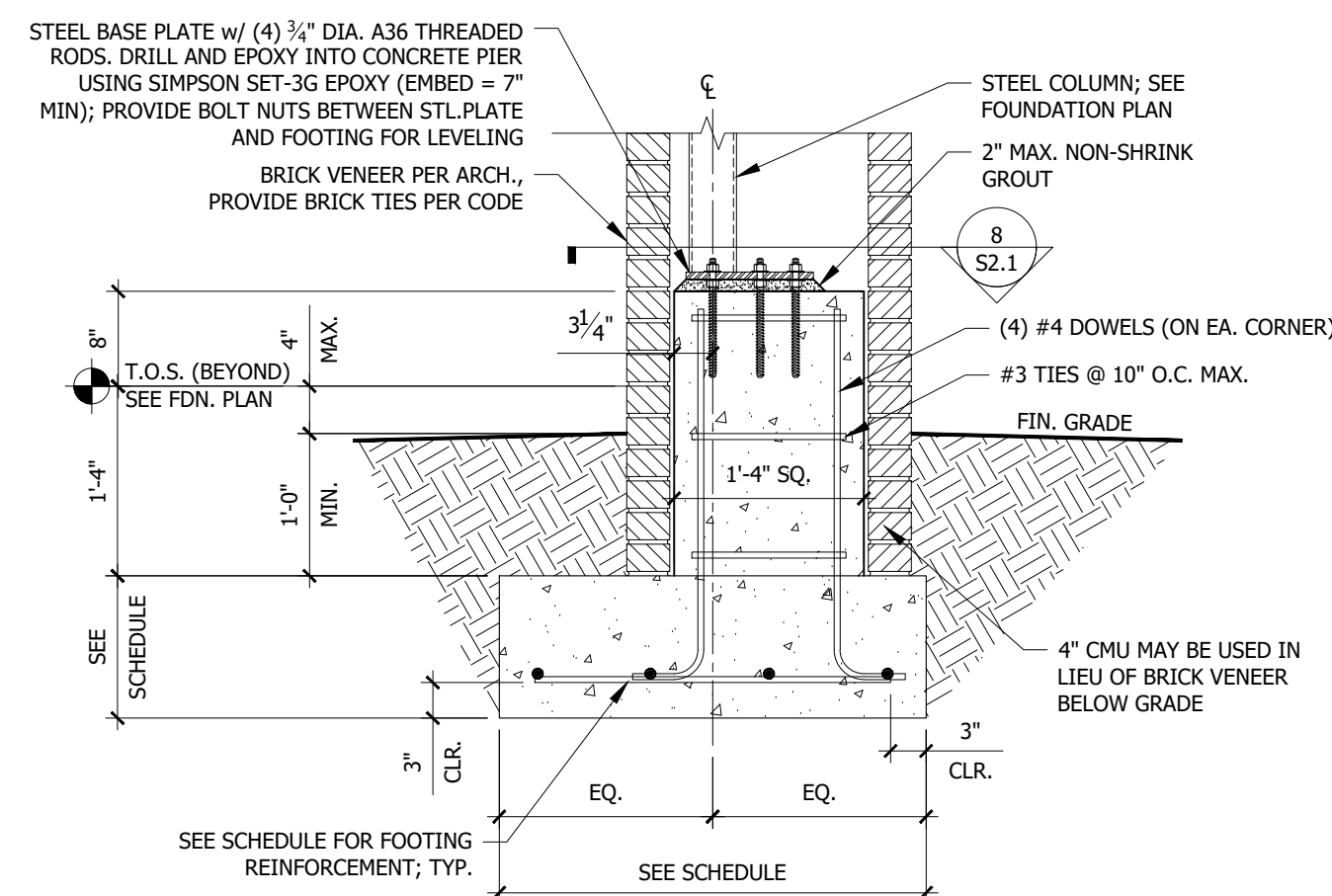
4 FOUNDATION DETAIL
S2.1 SCALE: 3/4"=1'-0"



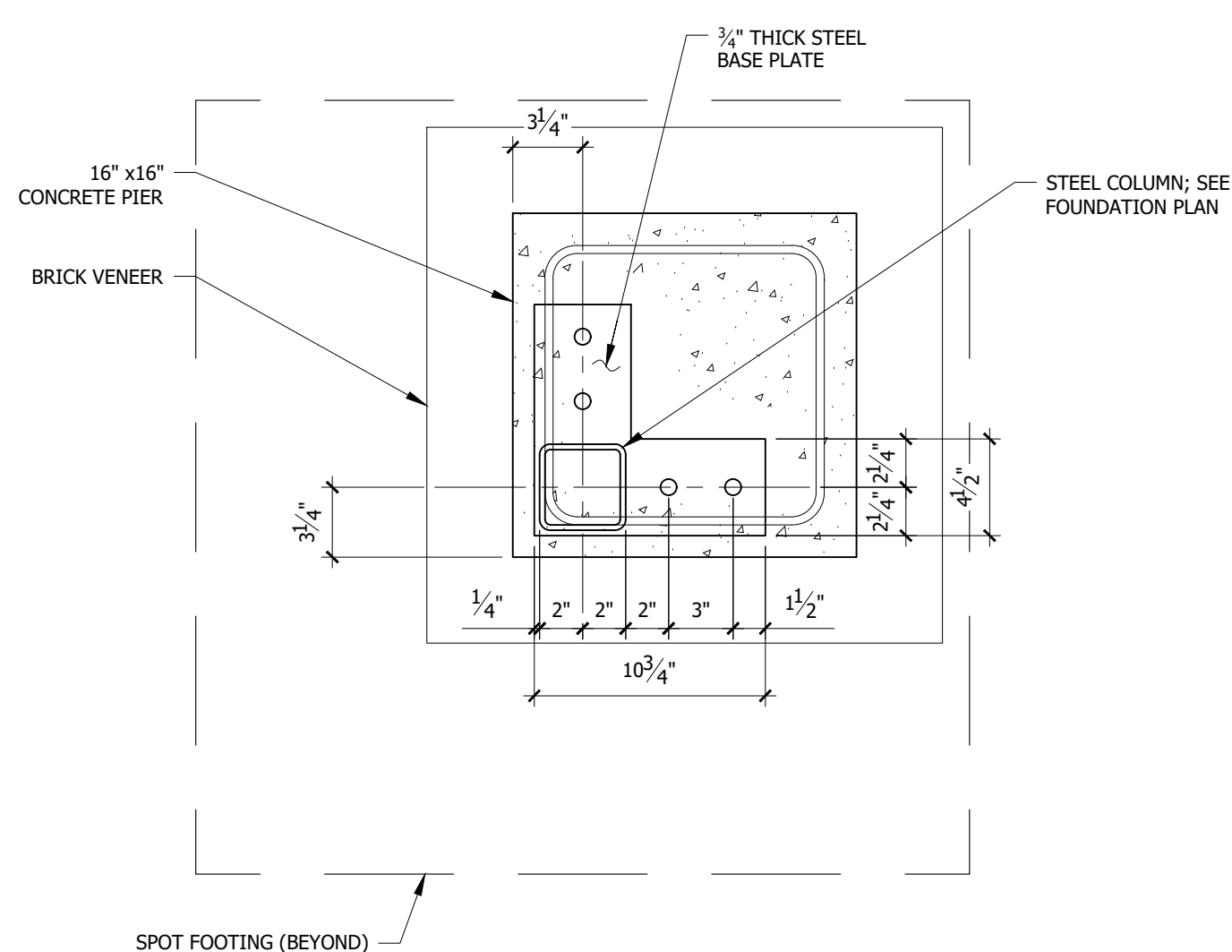
5 FOUNDATION DETAIL
S2.1 SCALE: 3/4"=1'-0"










































































6 FOUNDATION DETAIL
S2.1 SCALE: 3/4"=1'-0"



7 FOUNDATION DETAIL
S2.1 SCALE: 3/4"=1'-0"



8 ENLARGED PLAN
S2.1 SCALE: 1-1/2"=1'-0"

Project No: 796622		TRANSYLVANIA COUNTY EMERGENCY SERVICES BASE		NORTH CAROLINA	
S2.1 7 OF 9		BREVARD		NORTH CAROLINA	
Drawing Title: FOUNDATION DETAILS					
					
Designated: CHR Drawn: PLV Checked: TJD		Reviewed: CHR Scale: AS NOTED Date: 09-21-22		53 Asheland Avenue, Suite 101 Asheville, NC 28801 Phone#: (828)232-4448 Fax#: (828) 232-5224 NC Cert. # C-3133	
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S2.1 7 OF 9		BREVARD		NORTH CAROLINA	
Drawing Title: FOUNDATION DETAILS					
					
Designated: CHR Drawn: PLV Checked: TJD		Reviewed: CHR Scale: AS NOTED Date: 09-21-22		53 Asheland Avenue, Suite 101 Asheville, NC 28801 Phone#: (828)232-4448 Fax#: (828) 232-5224 NC Cert. # C-3133	
Project No: 796622		TRANSYLVANIA COUNTY EMERGENCY SERVICES BASE		NORTH CAROLINA	
S2.1 7 OF 9		BREVARD		NORTH CAROLINA	
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Project No: 796622		TRANSYLVANIA COUNTY EMERGENCY SERVICES BASE		NORTH CAROLINA	
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Project No: 796622		TRANSYLVANIA COUNTY EMERGENCY SERVICES BASE		NORTH CAROLINA	
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Project No: 796622		TRANSYLVANIA COUNTY EMERGENCY SERVICES BASE		NORTH CAROLINA	
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Project No: 796622		TRANSYLVANIA COUNTY EMERGENCY SERVICES BASE		NORTH CAROLINA	
S2.1 7 OF 9		BREVARD		NORTH CAROLINA	
Drawing Title: FOUNDATION DETAILS					
					
Designated: CHR Drawn: PLV Checked: TJD		Reviewed: CHR Scale: AS NOTED Date: 09-21-22		53 Asheland	

1 ROOF FRAMING DETAIL
S4.1 SCALE: 1"=1'-0"

2 ROOF FRAMING DETAIL
S4.1 SCALE: 3/4"=1'-0"

3 ROOF FRAMING DETAIL
S4.1 N.T.S.

4 ROOF FRAMING DETAIL
S4.1 N.T.S.

5 ROOF FRAMING DETAIL
S4.1 SCALE: 1"=1'-0"

6 ROOF FRAMING DETAIL
S4.1 N.T.S.

7 ROOF FRAMING DETAIL
S4.1 SCALE: 3/4"=1'-0"

8 ROOF FRAMING DETAIL
S4.1 SCALE: 3/4"=1'-0"

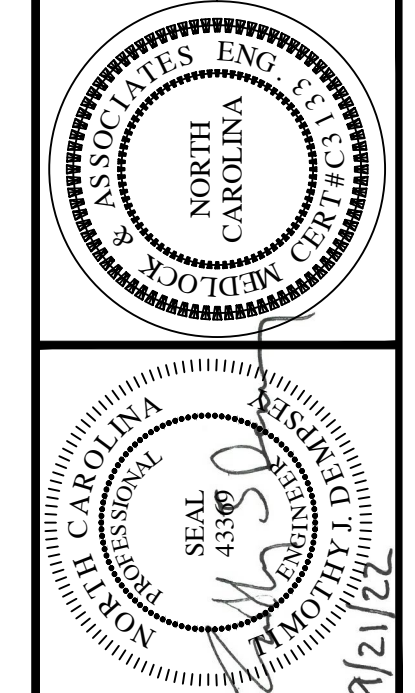
9 ROOF FRAMING DETAIL
S4.1 SCALE: 3/4"=1'-0"

10 ROOF FRAMING DETAIL
S4.1 SCALE: 3/4"=1'-0"

11 ROOF FRAMING DETAIL
S4.1 SCALE: 3/4"=1'-0"

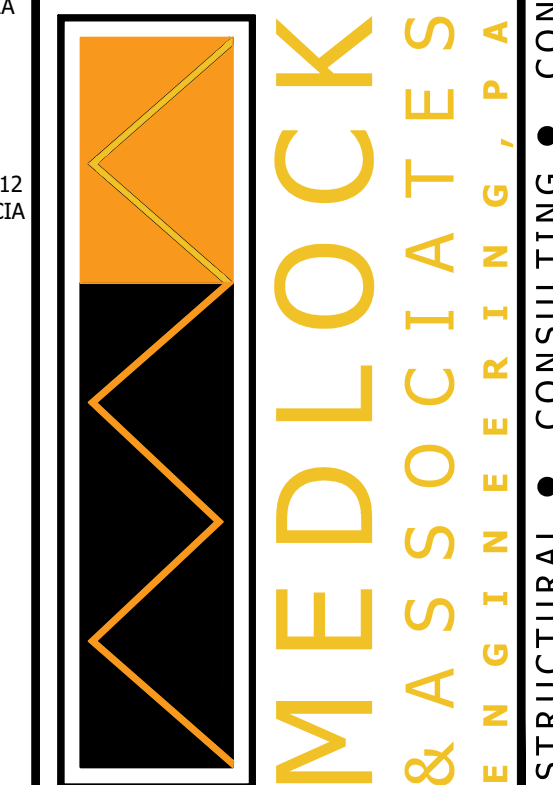
12 ROOF FRAMING DETAIL
S4.1 SCALE: 3/4"=1'-0"

13 ROOF FRAMING DETAIL
S4.1 SCALE: 3/4"=1'-0"



CONSTRUCTION SET

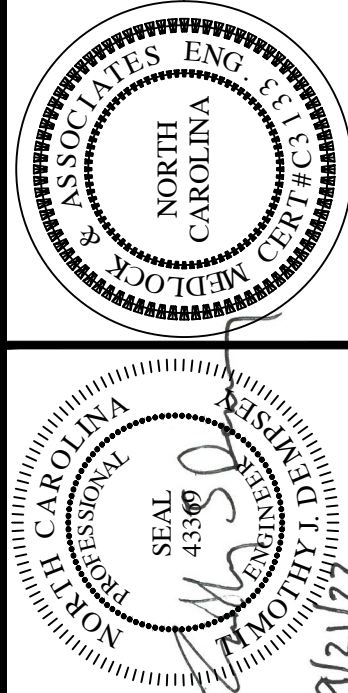
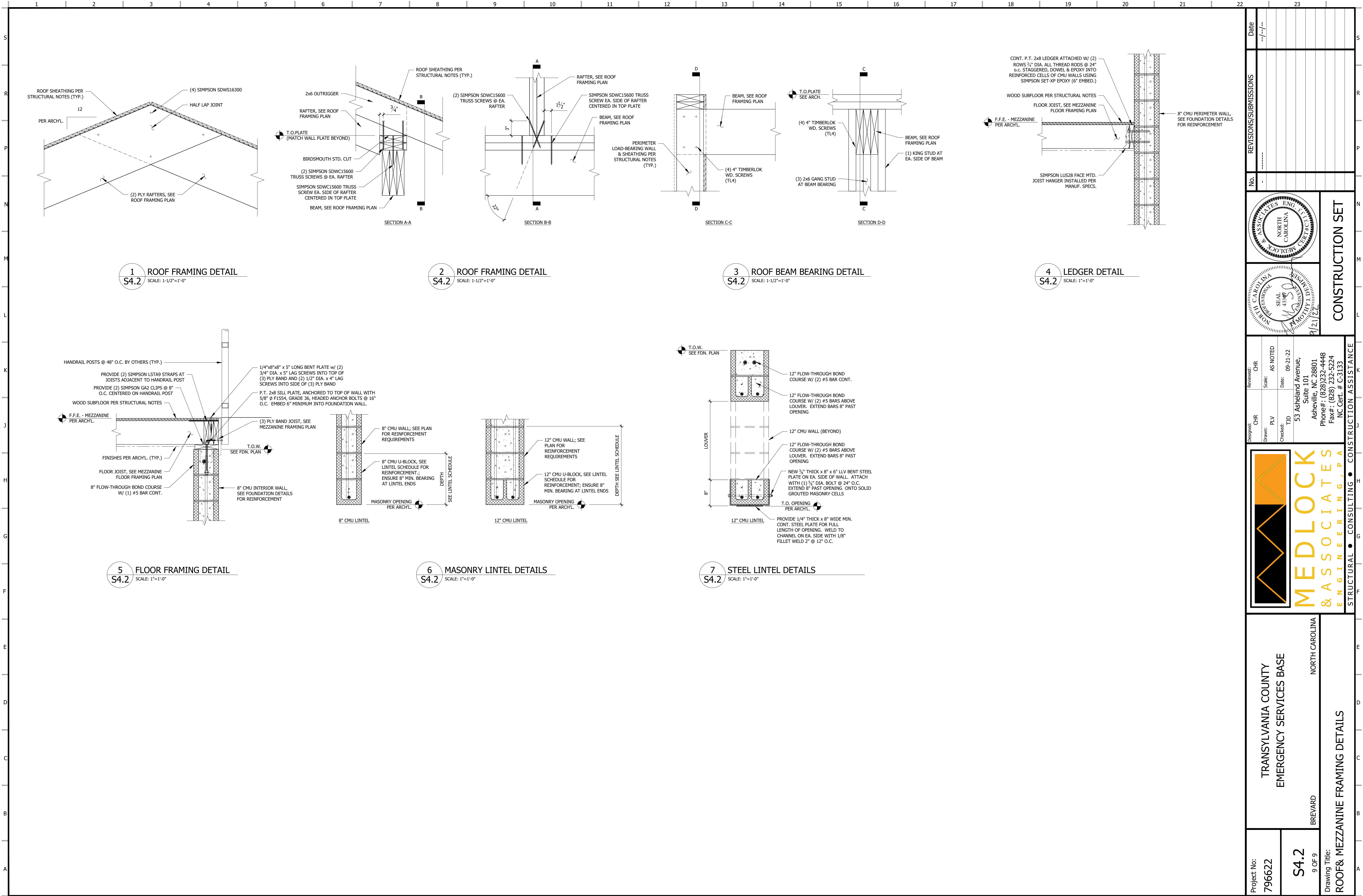
Reviewed: CHR AS NOTED 09-21-22
Scale: 1"=1'-0"
Date: 09-21-22
Designed: CHR
Drawn: PLV
Checked: TJD
53 Ashland Avenue,
Suite 101
Asheville, NC 28801
Phone#: (828) 232-4448
Fax#: (828) 232-5224
NC Cert. # C-3133



STRUCTURAL • CONSULTING • CONSTRUCTION ASSISTANCE

Project No: 796622
S4.1 8 OF 9
Drawing Title: ROOF FRAMING DETAILS
TRANSPORTATION COUNTY
EMERGENCY SERVICES BASE
NORTH CAROLINA
BREVARD

NOTES: THE SEQUENCE OF THE WALL AND ROOF TRUSS CONNECTION ARE CRUCIAL FOR BUILDING SYSTEM. ROOF TRUSSES WILL NEED TO BE CONNECTED SECURELY ON ONE WALL AND USING THE SIMPSON TC28 TRUSS CONNECTOR ON THE OPPOSITE WALL. ALLOW THE TRUSSES TO SETTLE IN PLACE PRIOR TO INSTALLING THE TRUSS SCREWS.



CONSTRUCTION SET

Reviewed: CHR AS NOTED
Scale: AS NOTED
Date: 09-21-22
Designed: CHR
Drawn: PLV
Checked: TJD
53 Asheland Avenue,
Suite 101
Asheville, NC 28801
Phone#: (828)232-4448
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NC Cert. # C-3133



TRANSLYVANIA COUNTY
EMERGENCY SERVICES BASE
NORTH CAROLINA
BREVARD
Project No:
796622
S4.2
9 OF 9
Drawing Title:
ROOF & MEZZANINE FRAMING DETAILS