

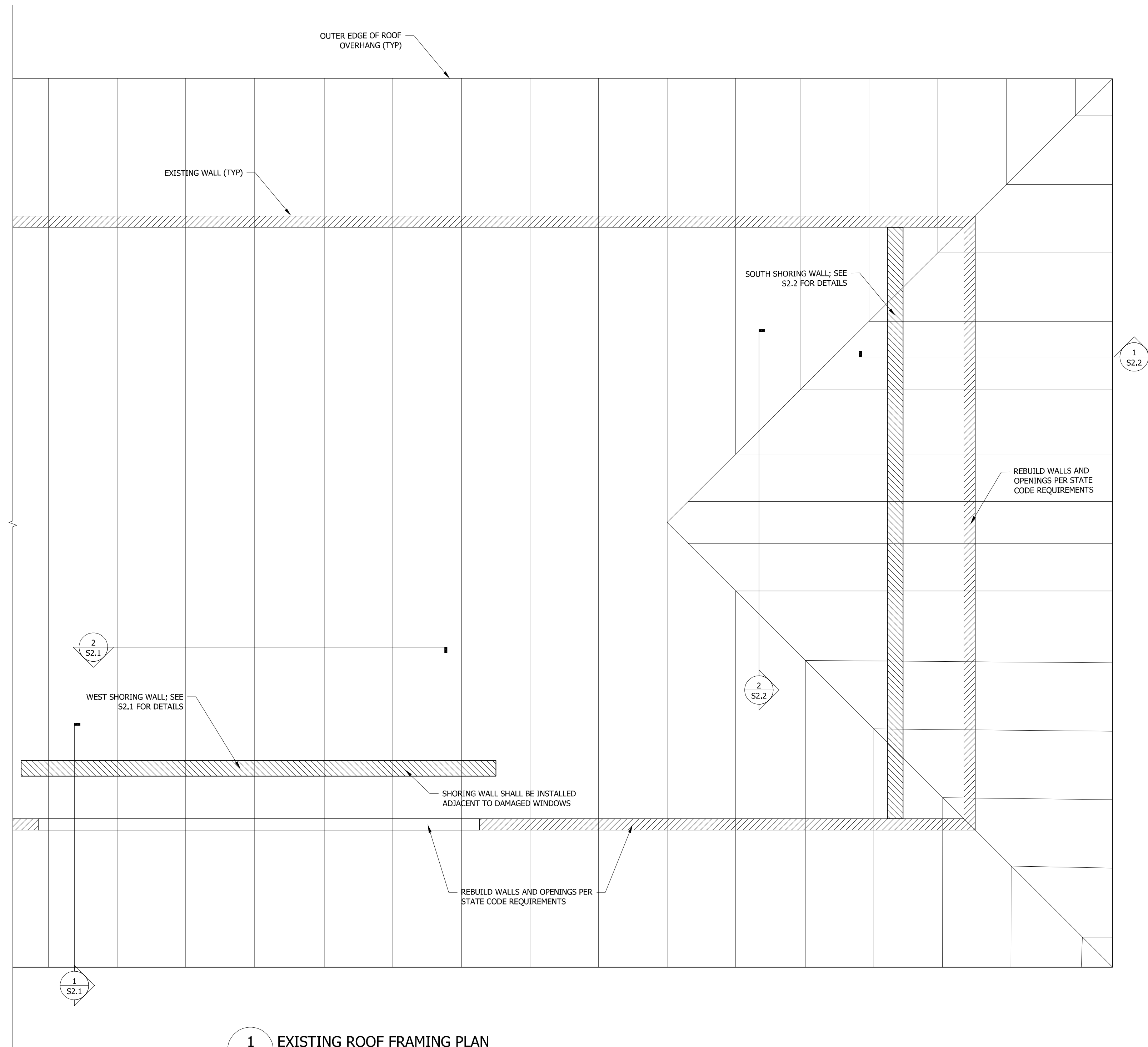
F. STRUCTURAL LUMBER

1. ALL STRUCTURAL LUMBER SHALL CONFORM TO THE MOST CURRENT APPLICABLE SPECIFICATIONS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
2. ALL BEAM AND HEADER STUDS SHALL HAVE FULL AND CONTINUOUS BEARING DOWN TO FOUNDATION.
3. ALL PERIMETER BEARING WALLS SHALL CONSIST OF 2x6 SYP #2 MEMBERS @ 16" O.C. WITH DOUBLE TOP PLATE. PROVIDE SOLID HORIZONTAL BLOCKING EVERY 1/2 HEIGHT OF WALL.
4. ALL INTERIOR BEARING WALLS SHALL CONSIST OF (MIN.) 2x4 SYP #2 MEMBERS @ 16" O.C. WITH DOUBLE TOP PLATE. PROVIDE SOLID HORIZONTAL BLOCKING EVERY 1/2 HEIGHT OF WALL.
5. ANCHOR P.T. WALL PLATES TO FOUNDATION WITH 5/8"Ø F1554, GRADE 36, HEADED ANCHOR BOLTS @ 48" O.C. & 6" MIN. FROM CORNERS; TYPICAL, U.O.N. SMOOTH "J" BOLTS ARE NOT AN ACCEPTABLE ANCHORING SYSTEM. EMBED 8" MINIMUM INTO FOUNDATION WALL. SIMPSON PAB5 ANCHOR BOLTS ARE AN ACCEPTABLE ALTERNATE. FURNISH ADDITIONAL SIMPSON BPS5/8-3 PLATE WASHER AT PLYWOOD SHEAR WALL SILL BOLTS. ATTACH BEARING WALL PLATES TO SILL PLATES AND BLOCKING W/ (2) 16d NAILS @ 8" O.C.; TYP, U.O.N.
6. ALL EXTERIOR SIMPSON STRONG-TIE CONNECTORS SHALL HAVE A MEDIUM LEVEL OF CORROSION RESISTANCE AT MINIMUM (E.G. "Z-MAX" OR "HDG" HOT DIPPED GALVANIZED). THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE COMPATIBILITY OF CORROSION RESISTANT COATED CONNECTORS WITH ALL FASTENERS AND PRESERVATIVE-TREATED WOOD MEMBERS IN CONTACT WITH CONNECTOR.
7. ALL EXTERIOR WOOD POSTS SHALL BE PRESSURE TREATED.
8. PROVIDE 3" MIN. BEARING FOR ALL STRUCTURAL WOOD BEAMS AND HEADERS UNLESS OTHERWISE NOTED OR SHOWN ON THE PLANS.
9. ALL ROOF SHEATHING SHALL BE 5/8" THICK APA RATED SHEATHING EXPOSURE 1 WITH 10d NAILS @ 3" O.C. AT EDGE OF SHEATHING AND 10d NAILS @ 12" O.C. AT INTERMEDIATE MEMBERS.
10. ALL EXTERIOR WALLS SHEATHING (EXCEPT SHEAR WALLS) SHALL BE 15/32" THICK APA RATED SHEATHING EXPOSURE 1 ATTACHED TO 2x STUD WALLS WITH 8d NAILS @ 6" O.C. AT EDGE OF SHEATHING INCLUDING TOP AND BOTTOM PLATE AND 8d NAILS @ 12" O.C. AT INTERMEDIATE MEMBERS.

11. ENGINEERED STRUCTURAL WOOD PRODUCTS (I.E. PSL, LVL,) SHALL HAVE THE MINIMUM STRUCTURAL PROPERTIES AS FOLLOW:

SP/SP		PSL (BEAM)	PSL (COL.)	LVL(BEAM)	GLULAM (24F-V5,
TOP	-FLEXURAL STRESS (Fb):	2,900 PSI	2,400 PSI	2,600 PSI	2,400 PSI, BOT. &
	-MODULES OF ELASTICITY (E):	2,000 KSI	1,800 PSI	2,000 KSI	1,700 KSI
	-COMP. PARALLEL TO GRAIN (Fc-PRL):	2,900 PSI	2,500 PSI	2,510 PSI	1,600 PSI
TOP	-COMP. PERP. TO GRAIN (Fc-PERP):	750 PSI	425 PSI	750 PSI	740 PSI, BOT. &
	-SHEAR PARALLEL TO GRAIN (Fv):	290 PSI	190 PSI	285 PSI	300 PSI

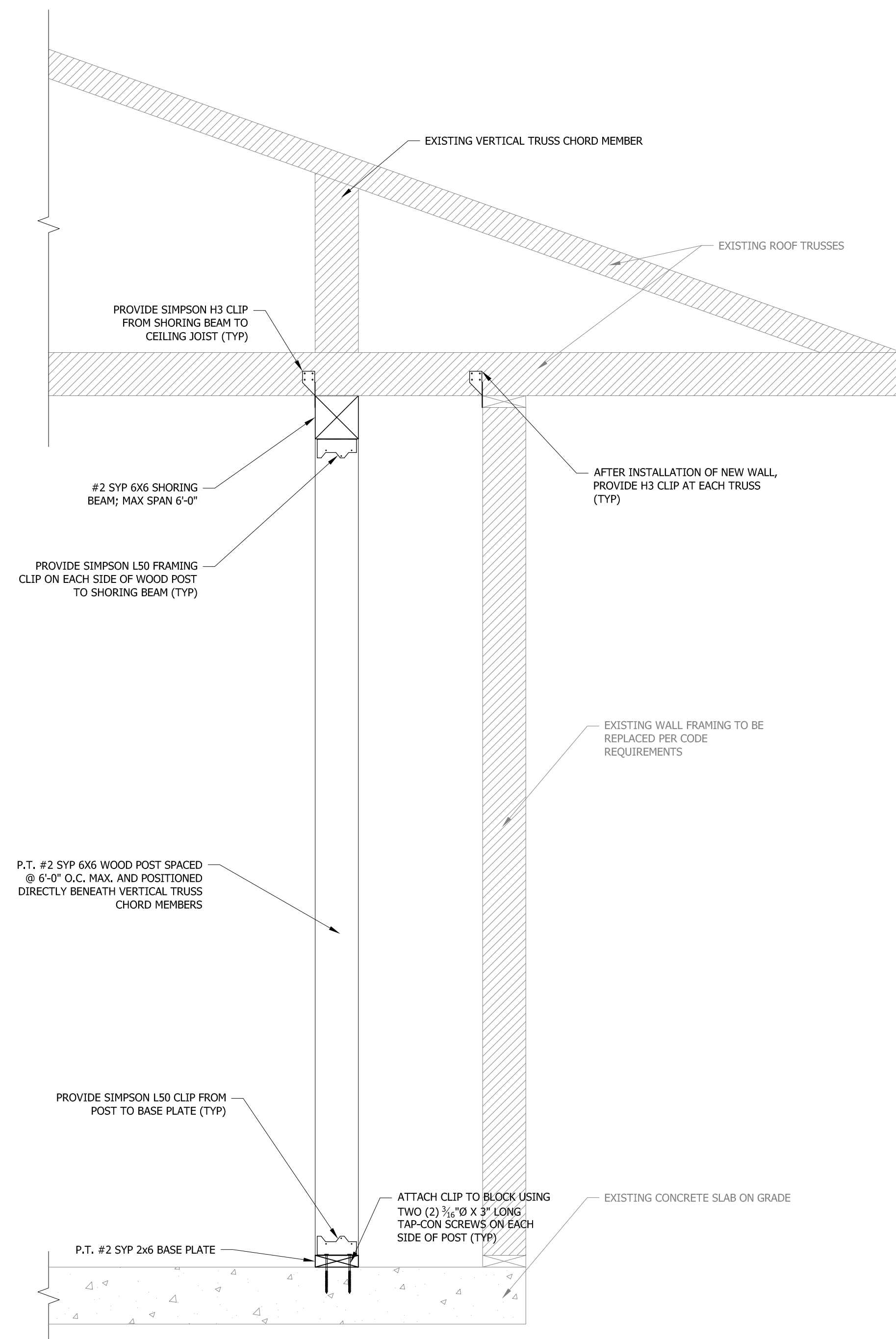
12. CONNECTORS - PER SIMPSON STRONG-TIE COMPANY



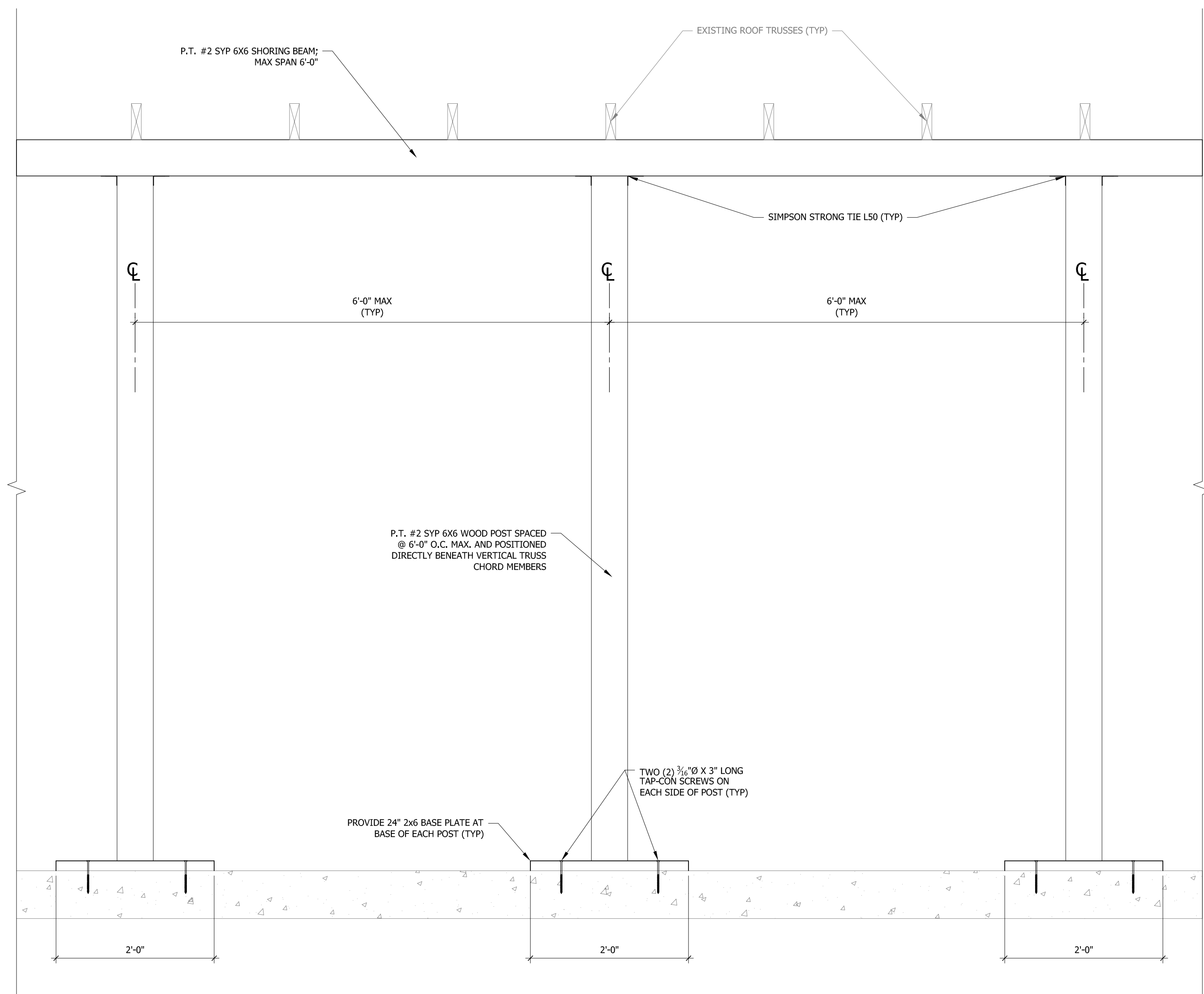
1
S1.1 EXISTING ROOF FRAMING PLAN
SCALE: 1/2"=1'-0"

Drawing Title:
EXISTING FLOOR FRAMING PLAN

02-19-25



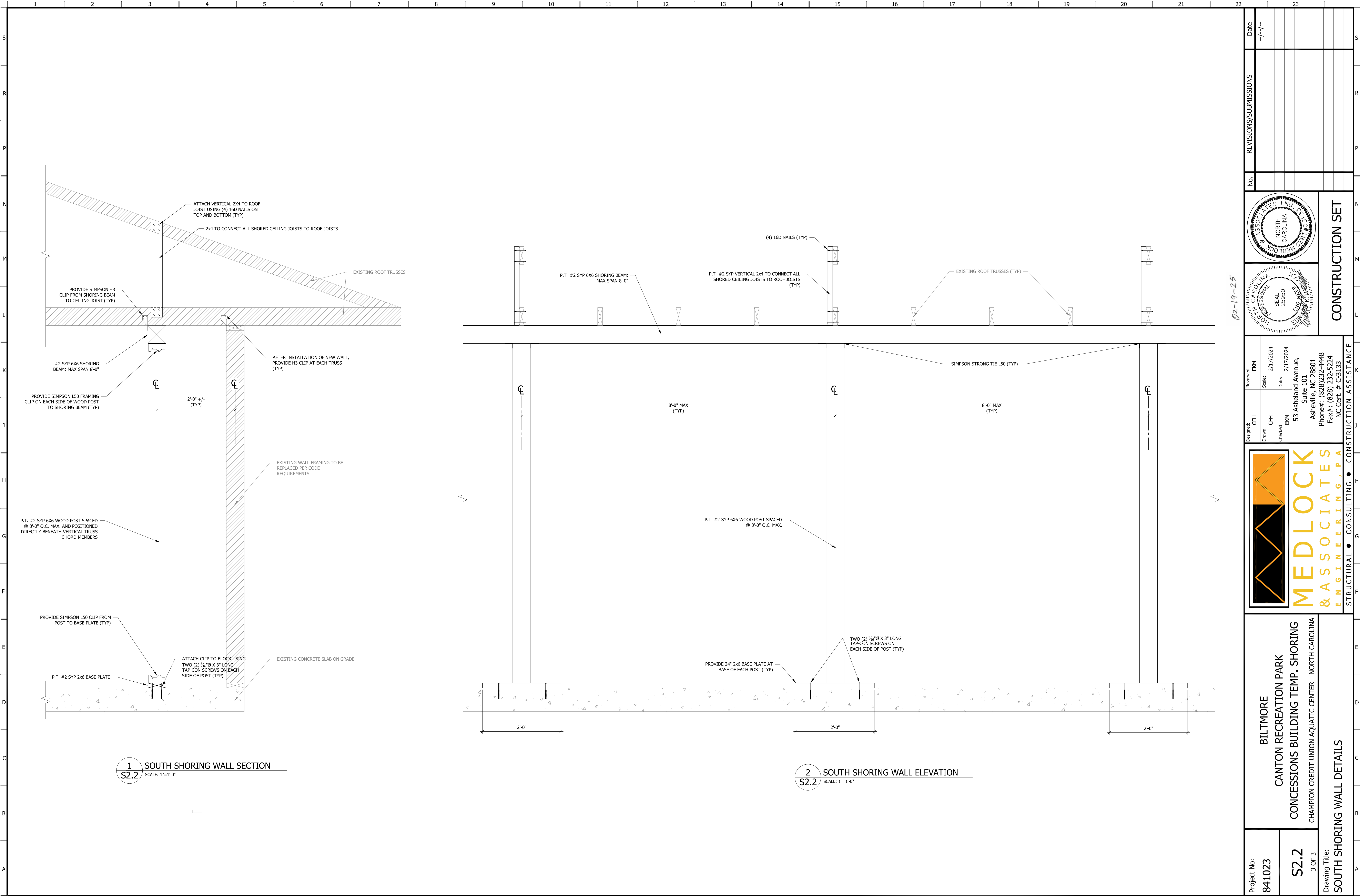
1 WEST SHORING WALL SECTION



2 WEST SHORING WALL ELEVATION

S2.1 SCALE: 1"=1'-0"

Project No: 841023		CHAMPION CREDIT UNION AQUATIC CENTER CANTON RECREATION PARK CONCESSION BUILDING TEMP. SHORING CANTON NORTH CAROLINA		Drawing Title: EAST SHORING WALL DETAILS	
S2.1 2 OF 3				Designed: CFH Drawn: CFH Checked: EKM Reviewed: EKM Scale: AS NOTED Date: 2/17/2024 53 Ashland Avenue, Suite 101 Asheville, NC 28801 Phone#: (828)232-4448 Fax#: (828) 232-5224 NC Cert. # C-3133	
NORTH CAROLINA PROFESSIONAL SEAL 25950 EUGENE K. M. MURPHY				MEDLOCK & ASSOCIATES, INC. NORTH CAROLINA PROFESSIONAL ENGINEER NO. 25950	
No.		REVISIONS/SUBMISSIONS		Date --/--/--	



02-19-25

Project No: 841023		Drawing Title: SOUTH SHORING WALL DETAILS	
BILTMORE CANTON RECREATION PARK CONCESSIONS BUILDING TEMP. SHORING CHAMPION CREDIT UNION AQUATIC CENTER NORTH CAROLINA		STRUCTURAL • CONSULTING • CONSTRUCTION ASSISTANCE	
S2.2 3 OF 3		MEDLOCK & ASSOCIATES ENGINEERING, P.A. 53 Asheland Avenue, Suite 101 Asheville, NC 28801 Phone#: (828) 232-4448 Fax#: (828) 232-5224 NC Cert. # C-3133	
No. 1		REVISIONS/SUBMISSIONS	
Date --/--		CONSTRUCTION SET	
NORTH CAROLINA MEDLOCK & ASSOCIATES, ENGINEERS, P.C. SEAL 25950 EWM/KMM		Date	