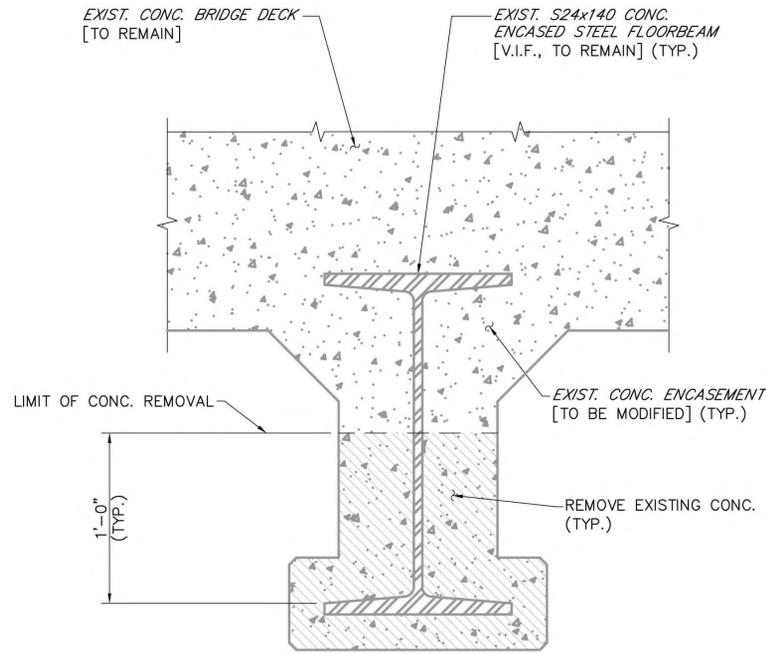


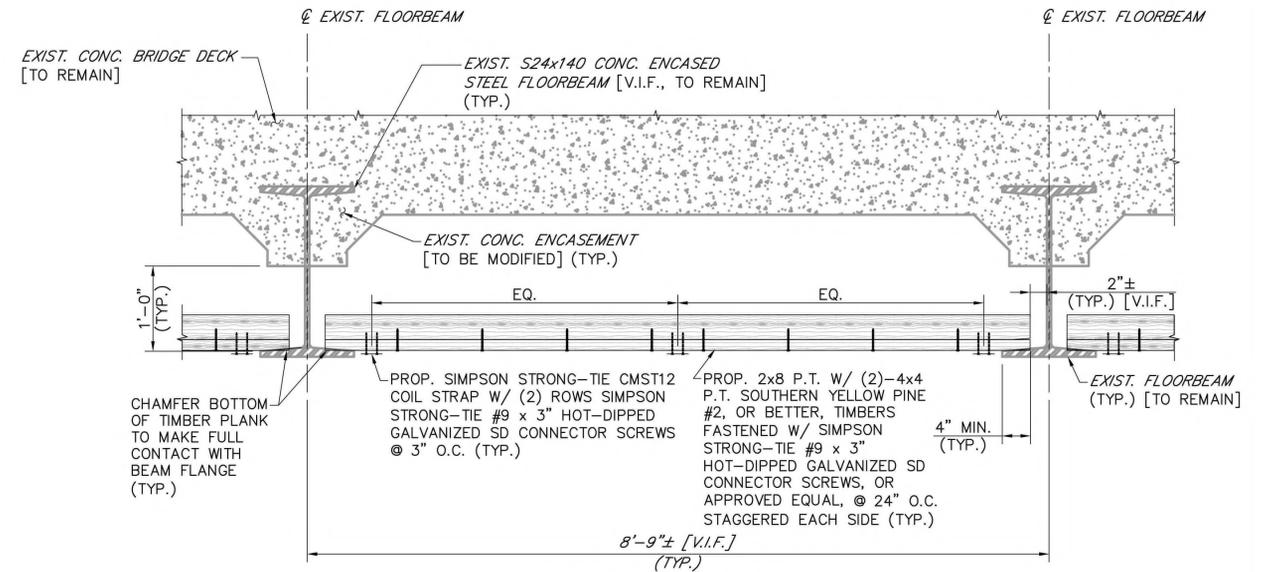
TIMBER NOTES:

1. ALL WOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH NATIONAL DESIGN SPECIFICATIONS (N.D.S.) FOR WOOD CONSTRUCTION.
2. TIMBER CONSTRUCTION STANDARDS BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ERECTION OF ALL TIMBER SHIELDING STRUCTURAL COMPONENTS AND PROVIDING ALL NECESSARY CONNECTIONS, BRACING AND SUPPORTS.
4. ALL NEW LUMBER SHALL BE PRESSURE TREATED (P.T.) SOUTHERN YELLOW PINE #2 AND BE TREATED TO 0.06 PCF.
5. ALL SAWN LUMBER SHALL BE PRESERVATIVE TREATED WITH MICRONIZED COPPER AZOLE (MCA) OR APPROVED EQUAL. PRESERVATIVE TREATMENT SHALL BE IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) U1 AND T1 STANDARDS. ALL LUMBER AND TIMBERS SHALL BE PRESERVATIVE IMPREGNATED UNDER AWPA STANDARDS U1, U20, U14 AND U18 WHERE APPLICABLE.
6. AT THE COMPLETION OF PRESERVATIVE TREATMENT, CLEAN THE TREATED MATERIAL BY A POST-TREATMENT STEAMING SPECIFIED FOR THE INDIVIDUAL TYPE OF MATERIAL OR SPECIES.
7. ALL SAWCUTS, DRILLED HOLES OR OTHER PENETRATIONS SHALL BE TREATED WITH COPPER NAP OR APPROVED EQUAL, WOOD PRESERVATIVE SOLUTION, PRIOR TO INSTALLING HARDWARE, BOLTS OR OTHER DECK MEMBERS OR COMPONENTS.
8. PREFABRICATED METAL COIL STRAPS AND OTHER ACCESSORIES SHALL BE AS MANUFACTURED BY "SIMPSON STRONG-TIE COMPANY" OR APPROVED EQUAL. INSTALL ALL ACCESSORIES PER THE MANUFACTURER'S SPECIFICATIONS. ALL STEEL SHALL HAVE A MINIMUM THICKNESS OF 0.04 INCHES (PER ASTM A446, GRADE A) AND HAVE A GALVANIZED COATING (G60).
9. ALL FASTENERS AND OTHER MISCELLANEOUS HARDWARE USED FOR TIMBER FRAMING SHALL BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL.
10. ALL PLYWOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APA - THE ENGINEERED WOOD ASSOCIATION STANDARDS AND PRESERVATIVE TREATED. USE 3/4" MIN. THICKNESS, MARINE GRADE PLYWOOD, CLASS BB, OR BETTER, PRESERVATIVE TREATED. APPLY PRESERVATIVE TREATMENT PRIOR TO INSTALLATION OF PLYWOOD IN SHIELDING SYSTEM.



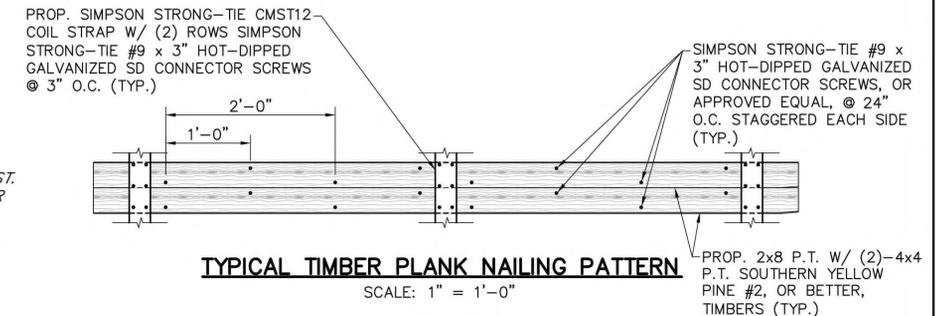
TYPICAL CONCRETE ENCASED STEEL FLOORBEAM

NOT TO SCALE



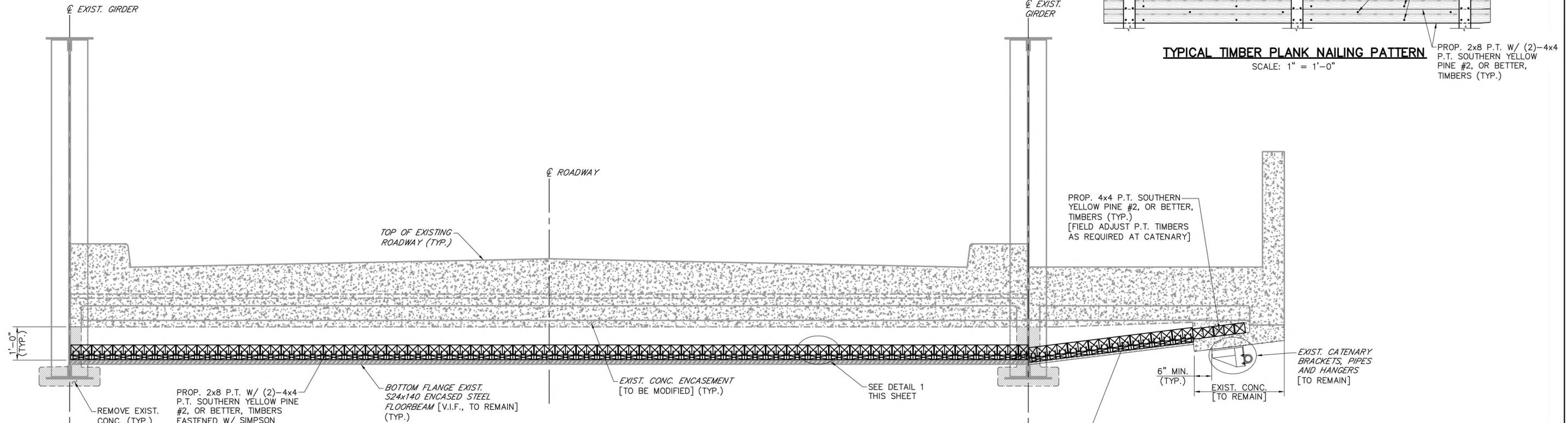
TYPICAL SECTION A-A

SCALE: 1" = 1'-0"



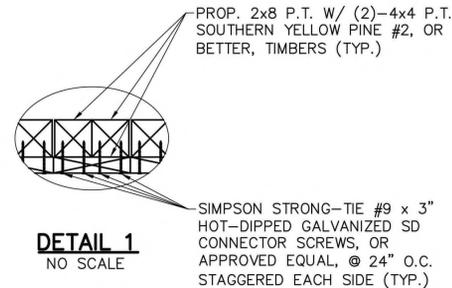
TYPICAL TIMBER PLANK NAILING PATTERN

SCALE: 1" = 1'-0"

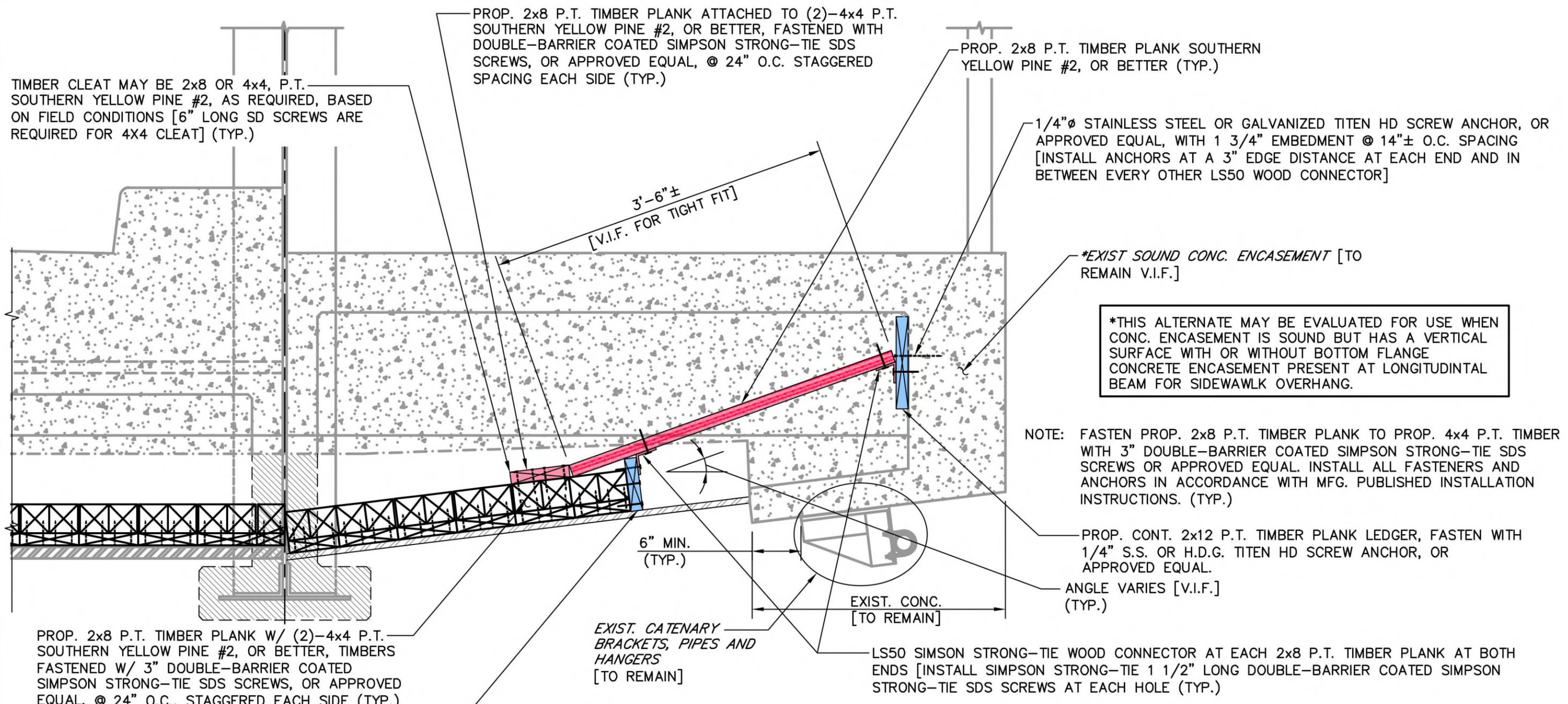


TYPICAL SECTION B-B

SCALE: 3/4" = 1'-0"



OWNER: BRISTOL TOWNSHIP 2501 BATH ROAD BRISTOL, PA 19007 215-785-0500	REV.	DESCRIPTION	DATE	BY
MUNICIPAL FILE NO.:	TAX MAP PARCEL NO.:	PARTIAL CONCRETE ENCASEMENT REMOVAL		
	TOTAL AREA:	TEMPORARY SHIELDING DETAILS		
	TOTAL LOTS:	RANDALL AVENUE BRIDGE		
	DATE:	BRISTOL TOWNSHIP, BUCKS COUNTY, PENNSYLVANIA		
	SCALE:			
	AS NOTED			
		GILMORE & ASSOCIATES, INC. ENGINEERING & CONSULTING SERVICES CORPORATE HEADQUARTERS 65 EAST BUTLER AVENUE, SUITE 100, NEW BRITAIN, PA 18001 • (215) 345-4330 • www.gilmore-assoc.com		
		JOB NO.: 13-03057 SHEET NO.: 2 OF 2		
DESIGNED BY: JDB	DRAWN BY: SSK	CHECKED BY: RCJ		



TIMBER CLEAT MAY BE 2x8 OR 4x4, P.T. SOUTHERN YELLOW PINE #2, AS REQUIRED, BASED ON FIELD CONDITIONS [6" LONG SD SCREWS ARE REQUIRED FOR 4x4 CLEAT] (TYP.)

PROP. 2x8 P.T. TIMBER PLANK W/ (2)-4x4 P.T. SOUTHERN YELLOW PINE #2, OR BETTER, TIMBERS FASTENED W/ 3" DOUBLE-BARRIER COATED SIMPSON STRONG-TIE SDS SCREWS, OR APPROVED EQUAL, @ 24" O.C., STAGGERED EACH SIDE (TYP.)

PROP. 2x8 P.T. SOUTHERN YELLOW PINE #2, OR BETTER FASTEN WITH (2) - 3" LONG, DOUBLE-BARRIER COATED SIMPSON STRONG-TIE SDS SCREWS WITH 3" EDGE DISTANCE, AND AT 12" MAX. O.C. SPACING (TYP.) [V.I.F.]

PROP. 2x8 P.T. TIMBER PLANK ATTACHED TO (2)-4x4 P.T. SOUTHERN YELLOW PINE #2, OR BETTER, FASTENED WITH DOUBLE-BARRIER COATED SIMPSON STRONG-TIE SDS SCREWS, OR APPROVED EQUAL, @ 24" O.C. STAGGERED SPACING EACH SIDE (TYP.)

3'-6" ±
[V.I.F. FOR TIGHT FIT]

6" MIN.
(TYP.)

EXIST. CATENARY BRACKETS, PIPES AND HANGERS [TO REMAIN]

PROP. 2x8 P.T. TIMBER PLANK SOUTHERN YELLOW PINE #2, OR BETTER (TYP.)

1/4" Ø STAINLESS STEEL OR GALVANIZED TITEN HD SCREW ANCHOR, OR APPROVED EQUAL, WITH 1 3/4" EMBEDMENT @ 14" ± O.C. SPACING [INSTALL ANCHORS AT A 3" EDGE DISTANCE AT EACH END AND IN BETWEEN EVERY OTHER LS50 WOOD CONNECTOR]

*EXIST SOUND CONC. ENCASEMENT [TO REMAIN V.I.F.]

*THIS ALTERNATE MAY BE EVALUATED FOR USE WHEN CONC. ENCASEMENT IS SOUND BUT HAS A VERTICAL SURFACE WITH OR WITHOUT BOTTOM FLANGE CONCRETE ENCASEMENT PRESENT AT LONGITUDINAL BEAM FOR SIDEWALK OVERHANG.

NOTE: FASTEN PROP. 2x8 P.T. TIMBER PLANK TO PROP. 4x4 P.T. TIMBER WITH 3" DOUBLE-BARRIER COATED SIMPSON STRONG-TIE SDS SCREWS OR APPROVED EQUAL. INSTALL ALL FASTENERS AND ANCHORS IN ACCORDANCE WITH MFG. PUBLISHED INSTALLATION INSTRUCTIONS. (TYP.)

PROP. CONT. 2x12 P.T. TIMBER PLANK LEDGER, FASTEN WITH 1/4" S.S. OR H.D.G. TITEN HD SCREW ANCHOR, OR APPROVED EQUAL.

ANGLE VARIES [V.I.F.] (TYP.)

EXIST. CONC. [TO REMAIN]

LS50 SIMSON STRONG-TIE WOOD CONNECTOR AT EACH 2x8 P.T. TIMBER PLANK AT BOTH ENDS [INSTALL SIMPSON STRONG-TIE 1 1/2" LONG DOUBLE-BARRIER COATED SIMPSON STRONG-TIE SDS SCREWS AT EACH HOLE (TYP.)

NOTE: WHERE TIMBER SHIELDING CANNOT BE INSTALLED PER THE CONTRACT DRAWINGS DUE TO SPALLED/DETERIORATED CONCRETE, INTERFERENCE OR OTHER UNFORESEEN OBSTRUCTION, THIS DETAIL MAY BE EVALUATED FOR USE IN THE FIELD. LOCATIONS AND JUSTIFICATION FOR INSTALLATION OF THIS DETAIL MUST BE IDENTIFIED AND REPORTED BY THE CONTRACTOR TO THE TOWNSHIP PROJECT REPRESENTATIVE IN THE FIELD FOR REVIEW AND CONCURRENCE PRIOR TO USE OR MODIFICATION OF THIS DETAIL. UPON SUCCESSFUL INSTALLATION OF THE TIMBER SHIELDING, FURNISH AS-BUILT DOCUMENTATION AND JUSTIFICATION FOR USE OF THIS CONTINGENT SHIELDING DETAIL INCLUDING BUT NOT LIMITED TO THE INSTALLATION LOCATIONS, CONDITIONS, SHIELDING COMPONENT SIZES, SPACING, FASTENERS AND MATERIALS USED IN THE FIELD. THE AS-BUILT DOCUMENTATION MAY BE SUBMITTED UPON COMPLETION OF THE WORK AND AFTER THE WEEKEND TRACK OUTAGES, BUT MUST BE SUBMITTED PRIOR TO THE START OF THE NEXT SCHEDULED WEEKEND OUTAGE.

CONTINGENT TEMPORARY SHIELDING AT SIDEWALK OVERHANG - ALTERNATE

SCALE: 1" = 1'-0"

ISSUED: 08/29/2024
BY: GILMORE & ASSOC.