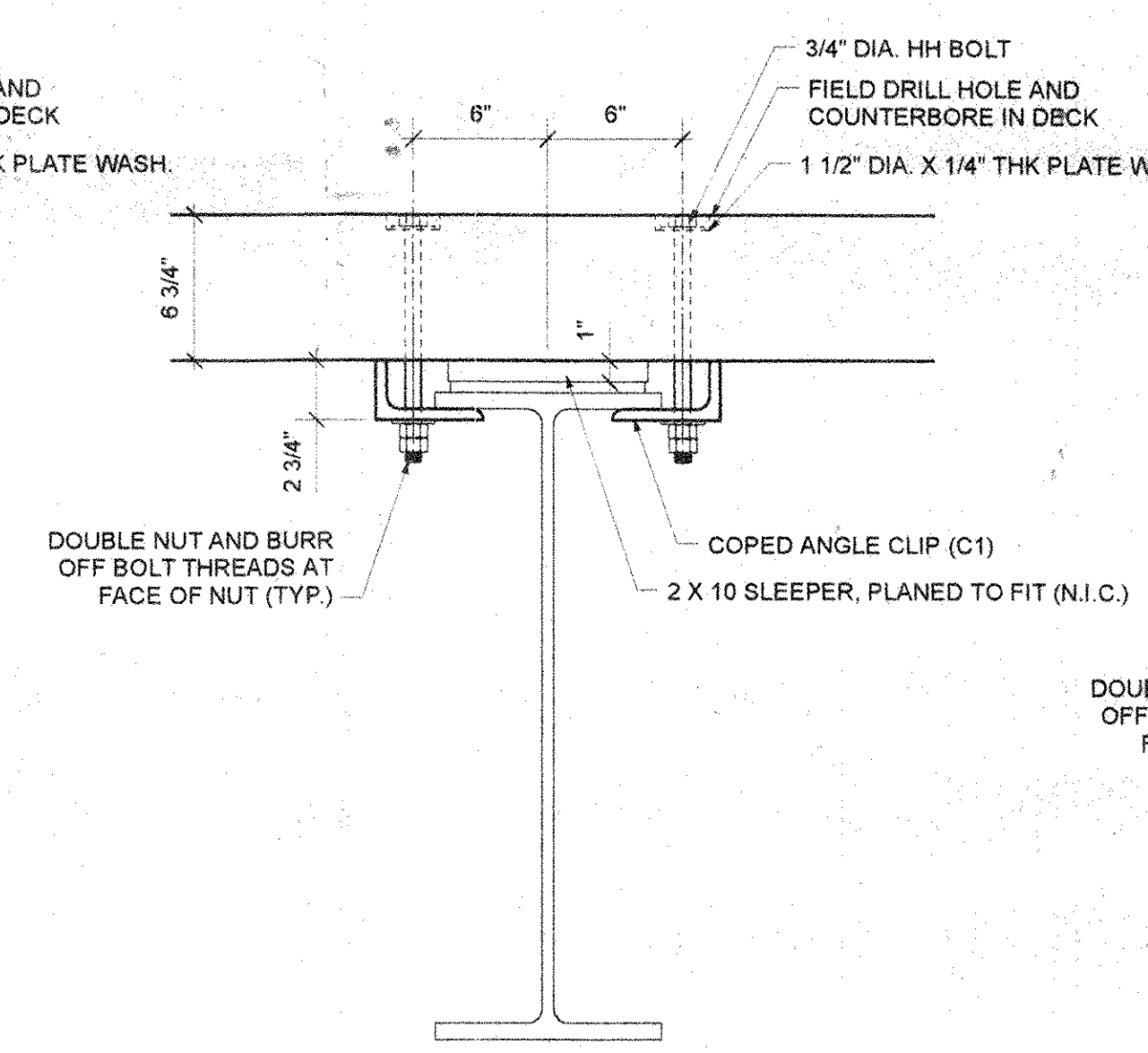
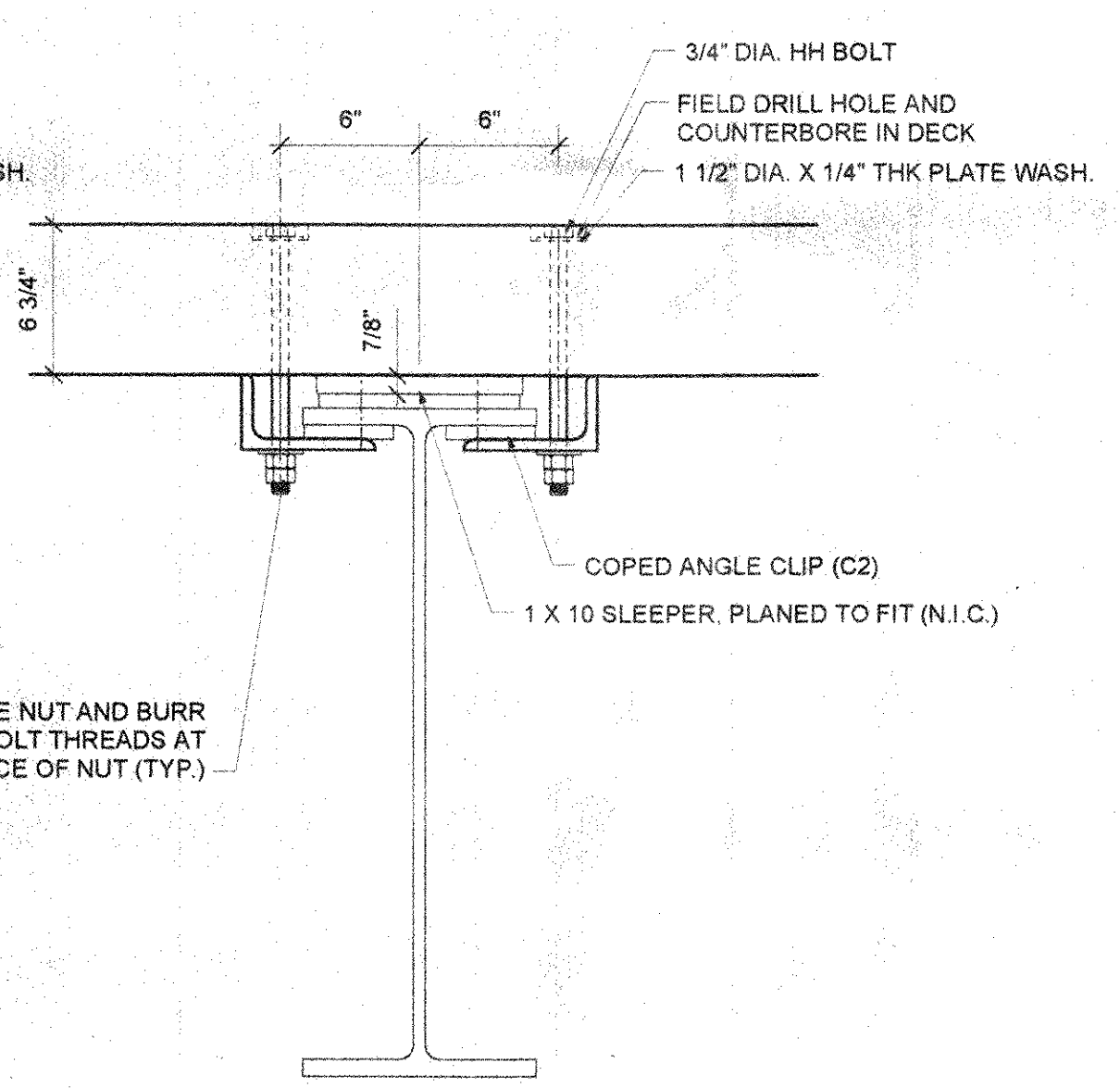


DECK TO STEEL DETAIL SECTION A-A



DECK TO STEEL DETAIL SECTION B-B



DECK TO STEEL DETAIL SECTION C-C

**SCOPE**

This standard is intended to augment, or support, design requirements that may be issued by the owner.

**2. DEFINITIONS AND ABBREVIATIONS**

**AITC** American Institute of Timber Construction; **APA/EWS** American Wood Systems members, a related Corp. of the American Plywood Association; **AWPA** American Wood Preservers Association; **NDS** National Design Specifications. **TTE** tag this end **UNO** unless noted otherwise **DAC** Dimensions are cumulative **NIC** not in contract

**3. CODES AND STANDARDS**

In addition to complying with all pertinent codes and regulations, materials shall comply with the following:  
 3.1 American Association of State Highway and Transportation Officials (AASHTO)  
 3.2 American National Standard for Wood Products-Structural Glued Laminated Timber ANSI A190. 1-1992  
 3.3 Proof-loading system for laminated finger joints to be in accordance with ANSI A190.1

**4. CERTIFICATIONS**

4.1 Certifications required by the laminator:  
 4.1.1 The AITC or APA/EWS Certificate of Conformance with ANSI A190.1-1992  
 4.2 Preservative treatment certification required (if applicable)  
 4.2.1 Certificate of treatment furnished by a certified AWPA treating facility

**5. STRUCTURAL DESIGN**

The structure shall be designed to carry the following loads:

- 5.1 Dead Load
- 5.2 Live Load H-20

**6. MATERIALS**

- 6.1 Lumber-intended for structural use with design stress shall be graded in conformance with accepted standards for allowable unit stresses (See AASHTO Section 13)
- 6.2 Grade-Architectural Appearance Grade as per AITC 110.
- 6.3 All lumber to be Incised Southern Yellow Pine, Glulam as per AITC 117-98.
- 6.4 Adhesive: all members bonded with exterior "wet-use" conforming to ASTM D 2559

**7. PRESERVATIVE TREATMENT**

7.1 All GLU-lam material to be treated with the preservative Pentachlorophenol in Type A oil conforming to AWPA Standard C-28.C-14, P-8 and P-9. Retention level shall be 0.60 PCF. Final steaming and vacuuming shall be performed.

**8. HARDWARE**

- 8.1 All bolts and nuts shall galvanized (A-153) steel ASTM A307, unless noted otherwise.
- 8.2 Timber Washers to be galvanized cast iron or malleable iron.
- 8.3 All steel plates and shapes to be galvanized (A-123) steel ASTM A36 unless noted otherwise.

**9. MISC**

- 9.1 LCI is not responsible for materials or manufacturing not shown on these drawings.
- 9.2 Contractor is responsible for verification of all sizes, quantities and dimensions shown on shop drawings
- 9.3 For wearing surface information, refer to the USDA Forest Service manual "Timber bridges -Design, Construction, Inspection and Maintenance" Chapter 11, for types and applications.

RECEIVED  
 OK'D BY *SSS* OK'D BY *MCM*  
 MAR 08 2007  
 RESUBMIT APPROVED ✓  
 BY \_\_\_\_\_ DATE 3/9/07



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DRAWN	DATE	REVISIONS			
		NO.	DATE	BY	REVISIONS
MSS	1/31/07				
CHKD	DATE	1	2/26/07	SS	ADD WASHERS
APPD	DATE				
SCALE					

PROJECT NAME	THETFORD BHO 1444 (43) THETFORD BRIDGE NO. 27 TOWN HIGHWAY 6 TOWN OF THETFORD CENTER COUNTY OF ORANGE, VERMONT	PROJECT JOB NO.	0207-115-LT
PREPARED FOR	ALPINE CONSTRUCTION, LLC SCHUYLERVILLE, NY	SHEET NO.	1 OF 2

LAMINATED CONCEPTS INC.

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