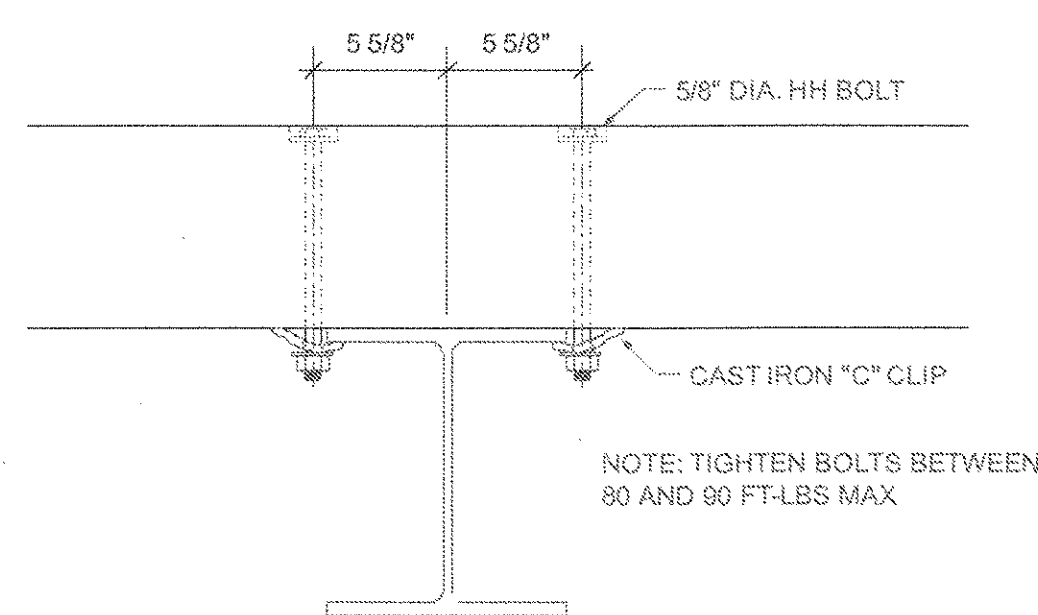
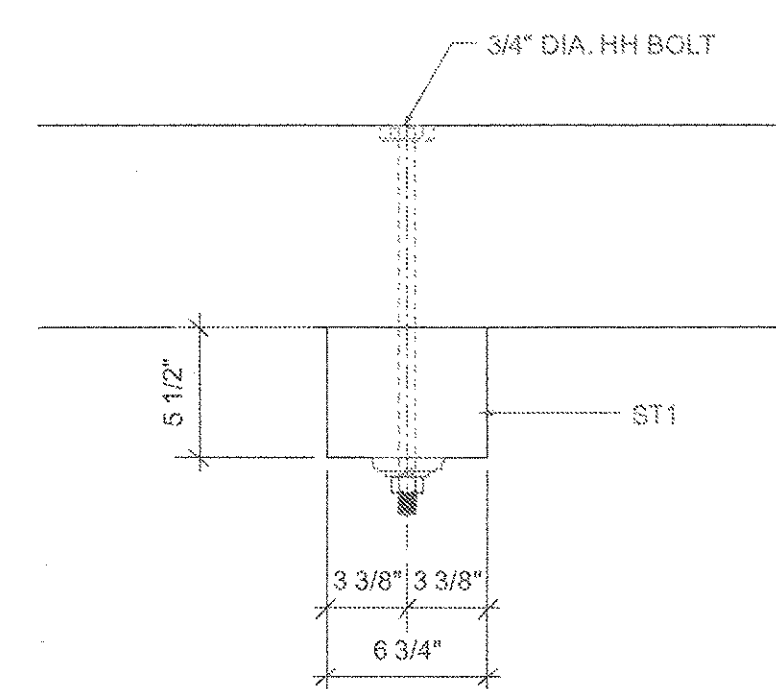


DECKING PLAN



DECK TO STEEL DETAIL



TYPICAL DECK TO STIFFENER DETAIL

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-Industrial 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 "C" Clips shall be galvanized cast iron Grade 30

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.

LAMINATED CONCEPTS INC. LIST OF HARDWARE MATERIALS

21	07	150	LT	VT AOT	description	qty	dia.	lgt	wh	wn	n	type
					Deck to steel	136	5/8"	10"	F	F	1	Hex Head Bolts
					Deck to stiffener	288	3/4"	16"	F	T	1	Hex Head Bolts
						280	5/8"					Flat Washers
						290	3/4"					Flat Washers
						290	3/4"					Timber Washers
						140	5/8"					Hex Nuts
						290	3/4"					Hex Nuts

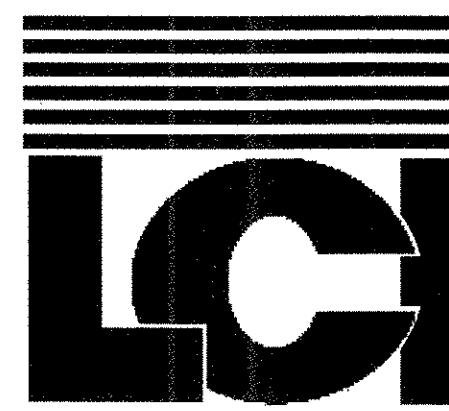
LAMINATED CONCEPTS INC. LIST OF LAMINATED TIMBER MATERIALS

21	07	150	LT	VT AOT	description	qty	mk#	width	depth	length	grade	species	remarks	bl tot
1	F1	8.5	48.125	55	11.625	COMB. 50	SYP	FAB. REQ'D		1907.89				
1	F2	8.5	46.75	37	5.625	COMB. 50	SYP	FAB. REQ'D		1240.76				
1	F3	8.5	46.75	55	11.625	COMB. 50	SYP	FAB. REQ'D		1953.38				
1	F4	8.5	48.125	37	5.625	COMB. 50	SYP	FAB. REQ'D		1277.26				
1	F5	8.5	48.125	55	6.625	COMB. 50	SYP	FAB. REQ'D		1893.69				
1	F6	8.5	46.75	55	6	COMB. 50	SYP	FAB. REQ'D		1837.86				
1	F7	8.5	46.75	55	6.625	COMB. 50	SYP	FAB. REQ'D		1839.58				
1	F8	8.5	48.125	55	6	COMB. 50	SYP	FAB. REQ'D		1891.91				
1	F9	8.5	48.125	38	5	COMB. 50	SYP	FAB. REQ'D		1309.57				
1	F10	8.5	46.75	56	11.625	COMB. 50	SYP	FAB. REQ'D		1886.50				
1	F11	8.5	46.75	38	5	COMB. 50	SYP	FAB. REQ'D		1272.15				
1	F12	8.5	48.125	56	11.625	COMB. 50	SYP	FAB. REQ'D		1941.98				
24	ST1	6.75	5.5	14	9.75	COMB. 50	SYP	FAB. REQ'D		1099.83				

NOTE:wh = washer type at bolt head, wn = washer type at nut, n = nuts; washer type (T=Timber / F=Flat / P=Plate / D=Deck)

steel	description	qty	thk	width	length	type

attachments	description	qty	type	thk	width	length
	135 CAST IRON "C" CLIPS		neo.			



P.O. BOX 369
3310 STATE RTE 352
BIG FLATS, NEW YORK 14814
PHONE: 607.562.8110
FAX: 607.562.8105

DRAWN	DATE	REVISIONS			
MSS	6/4/07	NO.	DATE	BY	REVISIONS
CHKD	DATE	1	7/17/07	SS	revise panels
APPD	DATE	2	7/24/07	SS	revise panels
SCALE					

PROJECT NAME	PROJECT JOB NO.
BHO-BTN 2005 (1) BRIDGE NO. 26 TOWNS OF NEW HAVEN AND WEYBRIDGE COUNTY OF ADDISON, VERMONT	2107-150-LT
PREPARED FOR	SHEET NO.
CCS CONSTRUCTORS, LLC MORRISVILLE, VT	1 OF 4

RECEIVED
CHKD BY *ELK* OK'D BY *RSY*
JUL 27 2007
RESUBMIT _____ APPROVED
BY *CPW* DATE *7/31/07*

STRUCTURES
COPY

066-6D