

TRANSMITTAL - NATIONAL PARK SERVICE

Transmittal No.: 11
Sheet: 1 of: 1

Pkg. No.:
Date: 8/3/12

Park: Florissant Fossil Beds N.M.
Project: Water System
Contract No.: C157410C023 TO P12PD11095

Contractor: Bairco Construction, Inc.
Subcontractor/Supplier:

NPS ACTION

Item No.	Specification Section No.	Paragraph No.	Description of Item (Size, Type, Name, Manufacturer, Use, Etc.)	No. of Copies Submitted	No. of Copies Returned	Approved	Notations	Disapproved - Resubmit
1	061000	1.2.A	Treated Materials	2				
2	061000	1.4.A	Fasteners	2				
3								
4								
5								
6								

Contractor Signature: *Mark Colquhoun* Recommended by

Title: *Project Manager* Date: 8/3/12
I hereby certify that this submittal has been reviewed for accuracy, completeness, and compliance with contract requirements (FAR 52.236-21)

Review Comments

Action By: Contracting Officer's Representative

Approval of this submittal is subject to the provisions of the contract drawings and specifications. This action is for general concurrence only and the Government is not responsible for errors or omission.

SUBMITTAL LOG DATES: From contractor [], To reviewer [], From reviewer [], To Contractor []
Distribution: () Contractor () DSC File () COR () A/E () DSC Interim () COR Interim () Contractor Interim

CM-16Rev. 4/00 (Formerly DSC-1(CS))

LUMBER

Size	Pcs/Unit	8'	10'	12'	14'	16'	18'	20'
2 x 4	156	✓		✓		✓		
2 x 6	96	✓		✓		✓		
2 x 8	72	✓		✓		✓		
2 x 10	40					✓		
2 x 12	32					✓		

PLYWOOD 4x8

Size	Type	Pcs/Unit
1/2"	CDX	66
1/2"	CDX P&TS	66
5/8"	CDX	52
5/8"	CDX P&TS	52
3/4"	CDX	44
3/4"	CDX P&TS	44
3/4"	FF T&G Udl	44
1 1/8"	FF T&G Udl	30

LUMBER DESCRIPTION

- 2x4 Std&Btr S4S KD HF
- 2x6 through 2x12, 2&Btr S4S DK HF
- Plywood is per above grade specifications (P&TS is plug & touch sanded)

PLYWOOD DESCRIPTION

- As noted. P&TS is plug and touch sanded. FF Udl. is full faced underlayment

TREATMENT

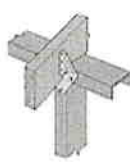
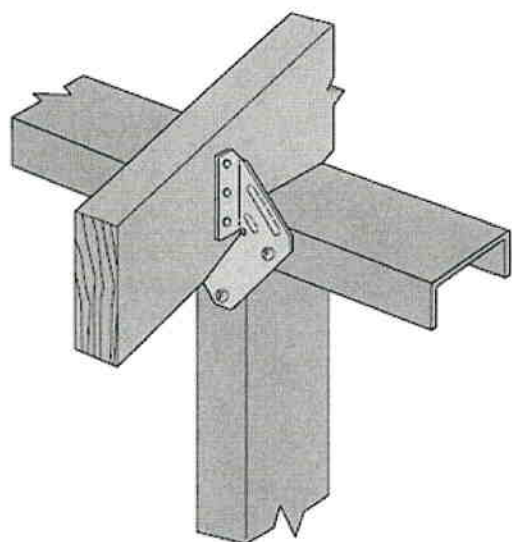
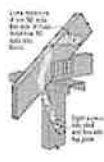
- Lumber is incised and treated to AWPA C1, C22 (FDN) Standard which calls for .60 CCA-C treatment, kiln dried after treatment, and paper wrapped
- With the exception of incising, plywood is treated the same
- Each piece bears specification stamp
- Natural CCA green color

INTENDED USE

- Used in lieu of concrete to construct foundations. Can be used for any number of construction purposes where structural members and sheathing come in contact with the ground, such as mobile home skirting.

SAFETY AND HANDLING

- See EPA-approved Consumer Information Sheet prior to use
- Use hot-dipped galvanized or rust resistant screws for best results

1.
H1 Installation2.
H2 Installation
(H2A similar)3.
H2.5 Installation4.
H3 Installation5.
H6 Stud-to-Top-Plate
Installation6.
H6 Stud-to-Band-Joist
Installation7.
H7Z
Installation8.
HS24 Installation9.
H10S InstallationLoad Table: See [code report listings](#) below[top](#)

Available with additional corrosion protection. Check with Simpson Strong-Tie.

Model No.	Connector Material Thickness mil (ga)	Fasteners			Allowable Uplift Loads 33 mil (20 ga) (160)	
		To Rafters / Truss	To Top Track	To Stud	DF/SP	SPF/HF
H1	43 (18ga)	6 - 8dx1½	3 - #10	1 - #10	600	500
H2	43 (18ga)	5 - 8dx1½	—	5 - #10	345	290
H2A	43 (18ga)	5 - 8dx1½	1 - #10	5 - #10	550	460
H2.5	43 (18ga)	5 - 8dx1½	3 - #10	2 - #10	435	365
H3	43 (18ga)	4 - 8dx1½	4 - #10	—	365	305
H6	54 mil (16)	—	8 - 8d	8 - #10	950	820
H7Z	54 mil (16)	4 - 8dx1½	2 - #10	8 - #10	985	845
HS24	43 (18ga)	8 - 8dx1½	4 - #10	4 - #10	625	520
H10S ^b	43 (18ga)	8 - 8dx1½	—	8 - #10	930	780

1. Allowable loads on wood have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other load duration factors govern.
2. Loads are based on attachment of coldformed steel vertical stud members having a minimum thickness of 33 mil (20 ga).
3. Hurricane Ties are shown installed on the outside of wall for clarity. Installation inside of wall is acceptable. For Continuous Load Path, connections must be on same side of wall.
4. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist such force should be considered.
5. H10S can have an offset of maximum 3/4" from the center of the CFS vertical stud based on AISI General Provisions Standard Section C1 (In-Line Framing) for a reduced uplift of 890 lbs. (DF/SP) and 765 lbs. (SPF) provided all edge distances are met.

Code Reports (PDFs):

[▼ next ▲ top](#)

	IAPMO ESR	ICC-ES ESR	CITY OF LOS ANGELES	STATE OF FLORIDA	LEGACY REPORTS		
					ICC-ES NER	ICC-ES ER	ICC-ES ES
H1		ESR-2613 / ESR-2523 * / ESR-3096	RR25718 / RR25910	FL10456			
H10S	ER-112		RR25814	FL11478			
H2		ESR-2613 / ESR-2523 *	RR25718	FL10456			

H2.5		ESR-2613 / ESR-2523 * / ESR-3096	RR25718 / RR25910	FL10456	
H2A	ER-112		RR25814	FL11478	
H3		ESR-2613 / ESR-2523 *	RR25718	FL10456	
H6		ESR-2613 / ESR-2523 *		FL10456	
H6		ESR-2613 / ESR-2523 *		FL10456	
H7Z		ESR-2613 / ESR-2523 *		FL10456	

* ESR-2523 is an Index of many of Simpson Strong-Tie Stamped and Welded Cold-formed Steel Products for Wood or Cold-formed Steel Construction

Drawings: To download drawings, right-click or Ctrl-click on the link, then choose "Save Target As..." ▼ next ▲ top

Download the [Simpson Strong-Tie™ AutoCad® Menu](#), which allows you to insert Ortho views directly into your AutoCAD drawing.

	ORTHOGRAPHIC	PERSPECTIVE
H1	H1: DWG DXF H1 front view: DWG DXF H1 left view: DWG DXF H1 right view: DWG DXF H1 top view: DWG DXF	AC4 and H1: DWG DXF High Wind-Resistant Construction D3: Truss/Rafter to Wood Double Top Plates: DWG DXF H1: DWG DXF Truss/Rafter to CMU View 2: DWG DXF
H10S	H10S: DWG DXF H10S front view: DWG DXF H10S left view: DWG DXF H10S right view: DWG DXF	High Wind-Resistant Construction D116: Load Path Installation Considerations: Overlapping Connectors: Solution: DWG DXF High Wind-Resistant Construction D18: Post Installed Truss/Rafter To Masonry/Concrete: DWG DXF High Wind-Resistant Construction D34: Truss/Rafter to Stud: DWG DXF
H2	H2: DWG DXF H2 front view: DWG DXF H2 left view: DWG DXF H2 right view: DWG DXF H2 top view: DWG DXF	H2: DWG DXF Top Plate to Stud Connectors: DWG DXF
H2.5	H2.5: DWG DXF H2.5 front view: DWG DXF H2.5 left view: DWG DXF H2.5 right view: DWG DXF H2.5 top view: DWG DXF	H2.5: DWG DXF Sill Plate to Foundation Connections: DWG DXF Stud to Band Joist Connections: DWG DXF Top Plate to Stud Connectors: DWG DXF Truss/Rafter to Wood Top Plate 1: DWG DXF Truss/Rafter to Wood Top Plate 2: DWG DXF
H2A	H2A: DWG DXF H2A front view: DWG DXF H2A left view: DWG DXF H2A right view: DWG DXF H2A top view: DWG DXF	High Wind-Resistant Construction D115: Load Path Installation Considerations: Overlapping Connectors: Solution: DWG DXF High Wind-Resistant Construction D35: Truss/Rafter to Stud: DWG DXF
H3	H3: DWG DXF H3 front view: DWG DXF H3 left view: DWG DXF H3 right view: DWG DXF H3 top view: DWG DXF	High Wind-Resistant Construction D32: Truss/Rafter Hip To Single Top Plate: DWG DXF H3: DWG DXF Truss/Rafter to CMU View 1: DWG DXF
H6	H6: DWG DXF H6 front view: DWG DXF H6 left view: DWG DXF H6 right view: DWG DXF H6 top view: DWG DXF	H6: DWG DXF H6: DWG DXF
H7Z	None for this model	High Wind-Resistant Construction D35: Truss/Rafter to Stud: DWG DXF

Catalog Pages (PDFs):

▲ top

[C-CFS10 \(Cold-Formed Steel Connectors\), page 71](#)

Order [free catalogs](#) by mail

Related Categories:

▲ top

[High Wind Resistance](#) (Wood Construction)

[Architectural Products Group](#) (Wood Construction)

[Hurricane Ties - Concrete and Masonry](#) (Wood Construction)

[Straps and Ties](#) (Cold-Formed Steel)

Technical Bulletins (PDFs):

▲ top

[Connection Solutions for Cantilevered Floors](#)[Use of Pneumatically Driven Nails With Simpson Strong-Tie® Connectors](#)[Connectors for Florida Hurricane Mitigation Retrofit When Re-Roofing](#)[Companion for the 2001 AF&PA Wood Frame Construction Manual for Wind Design](#) Expiration extended to 12/31/12[Building Roof-to-Wall Continuous Load Path Connections](#)[Ensuring a Continuous Load Path When Combining One-Sided and Two-Sided Connectors at Roof-to-Wall Connections](#)[Uplift Connectors - Truss-To-Wall Tiedowns \(Spruce-Pine-Fir\)](#)[Strengthening Dwellings in Tornado-Prone Areas](#)**Fliers (PDFs):**

▲ top

[Un Sistema Completo de Conectores para Construcción de Terrazas \(en Español\)](#)[Deck Connector System/Patio Cover System](#)[Deck Framing Connection Guide](#) Expiration extended to 6/30/12 You can [order this flier by mail](#).[Sistema de Conectores Para Decks e Sistema de Conectores Para Coberturas e Pergolados \(Deck Connector System and Patio Cover System - in Portuguese for Brazil\)](#)[◆ *Système de Connecteurs pour Terrasse et Système de Toit de Patio* \(Deck Connector System and Patio Cover System - in French for Canada\)](#)[Building a Well-Connected Home™: Continuous Load Path Construction for 90, 100 and 110 mph Wind Speeds](#) Expiration extended to 12/31/12[Stainless-Steel Connectors](#)**Need help with downloads?**

▲ top