

X **Approved** \_\_\_\_\_ **Approved As Noted**  
 \_\_\_\_\_ **Rejected**

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Date 8/8/2014  
 By T. Traver

# RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT

## FAIRFIELD, VT

### FABRICATION DRAWINGS **T-WALL®** RETAINING WALL SYSTEM

#### DESIGNER



#### THE NEEL COMPANY

8328-D TRAFORD LANE  
 SPRINGFIELD, VIRGINIA 22152  
 PH: (703) 913-7858  
 FX: (703) 913-7859  
 WEB: WWW.NEELCO.COM

#### PRECASTER

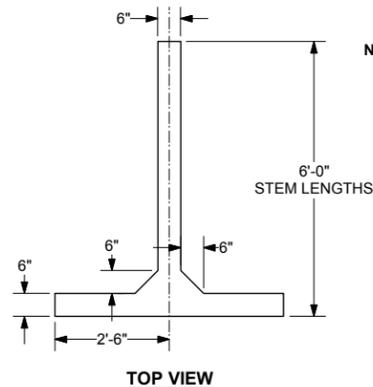
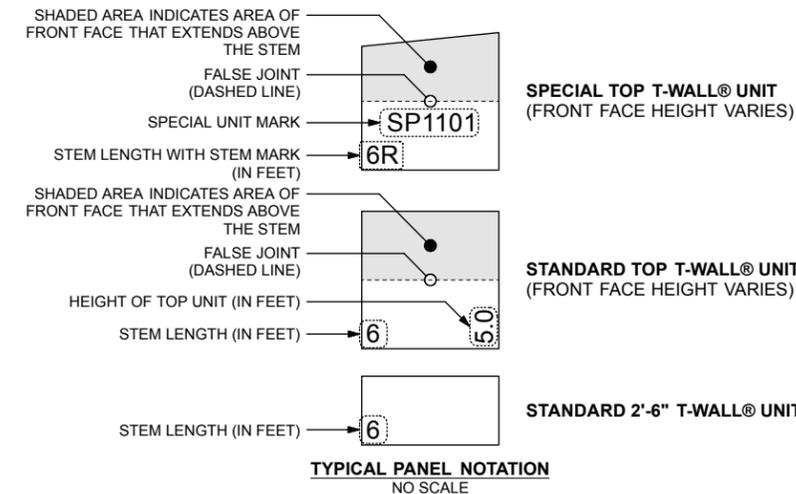


Concrete Systems Inc.  
 9 Commercial St., Hudson, NH, 03051  
 Phone 603-889-4163  
 Fax 603-889-2417  
 Web www.csigroup.biz

#### INDEX OF DRAWINGS

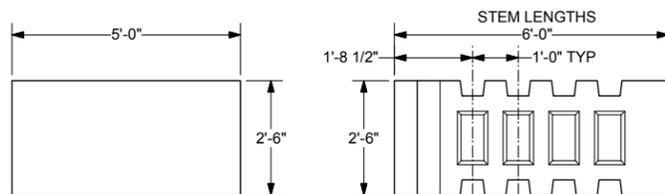
SHEET	TITLE	REV	DATE
TW-FB1	COVER SHEET		8-6-14
TW-FB2	SPECIAL UNIT SP1		8-6-14
TW-FB3	SPECIAL UNIT SP2		8-6-14
TW-FB4	SPECIAL UNIT SP3		8-6-14
TW-FB5	SPECIAL UNIT SP4		8-6-14
TW-FB6	SPECIAL UNIT SP5		8-6-14
TW-FB7	SPECIAL UNIT SP6		8-6-14
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TW-FB23	SPECIAL UNIT SP23		8-6-14
TW-FB24	SPECIAL UNIT SP24		8-6-14

#### LEGEND



NOTES:  
 • UNIT STEM LENGTHS RANGE FROM 6'-0" TO 20'-0", IN 2'-0" INCREMENTS

T-WALL® UNIT WEIGHTS	
PANEL TYPES	WEIGHTS
2.5x5.0x06 Std	1836 lbs
2.5x5.0x08 Std	2098 lbs
2.5x5.0x10 Std	2360 lbs
2.5x5.0x12 Std	2622 lbs
2.5x5.0x14 Std	2884 lbs
2.5x5.0x16 Std	3145 lbs
2.5x5.0x18 Std	3407 lbs
2.5x5.0x20 Std	3669 lbs



TYPICAL 2'-6" x 5'-0" x 6'-0" STEM T-WALL® UNIT



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PRECASTER: CONCRETE SYSTEMS, INC.  
 HUDSON, NH  
 PROJECT #: T21882

CONTRACTOR:  
 PROJECT #:

#### DESIGNER



THE NEEL COMPANY  
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 PH: (703) 913-7858  
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 WEB: WWW.NEELCO.COM

PROJECT #: TW4301

CERTIFIED WITH RESPECT  
 TO INTERNAL STABILITY OF  
 T-WALL® STRUCTURES ONLY

#### REVISIONS

#### FABRICATION DRAWING 8-6-14

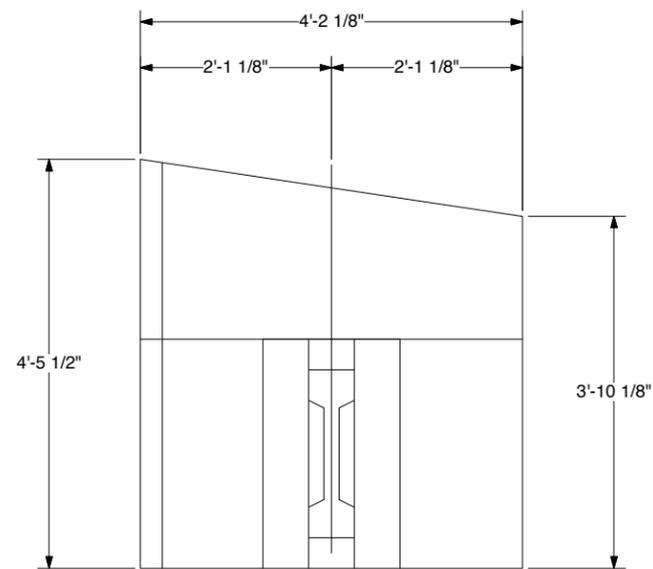
#### RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT

FAIRFIELD, VT

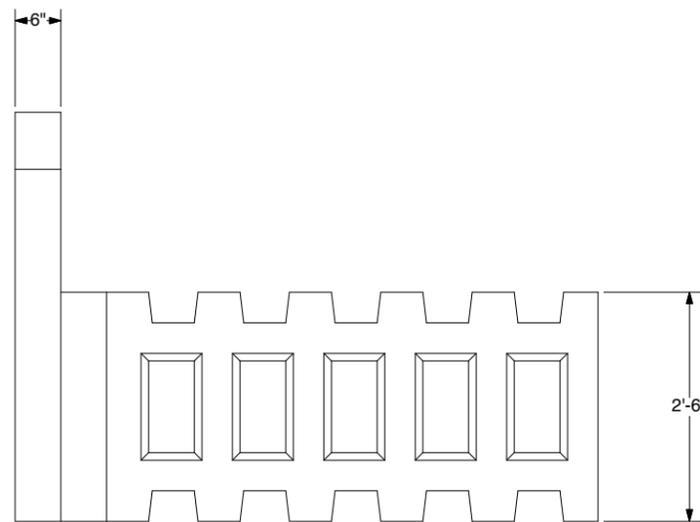
FABRICATION DRAWING  
 COVER SHEET

T-WALL® RETAINING WALL SYSTEM

SCALE:	NO SCALE
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB1



**SP1 - FRONT VIEW**

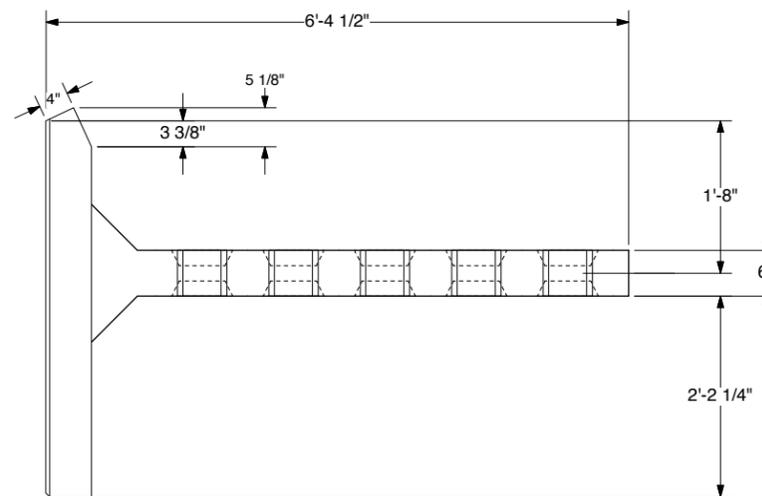


**SP1 - SIDE VIEW**

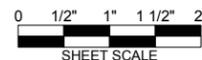
**Approved**       **Approved As Noted**  
 **Rejected**

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 **McFarland Johnson**  
 Date 8/8/2014  
 By T. Traver



**SP1 - PLAN VIEW**



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<b>CONTRACTOR:</b>
<b>PROJECT #:</b>

**DESIGNER**



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**PROJECT #:** TW4301

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REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**

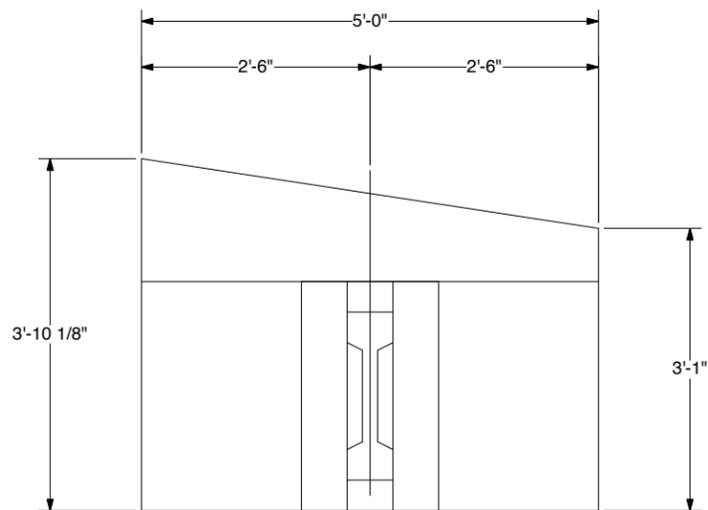
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

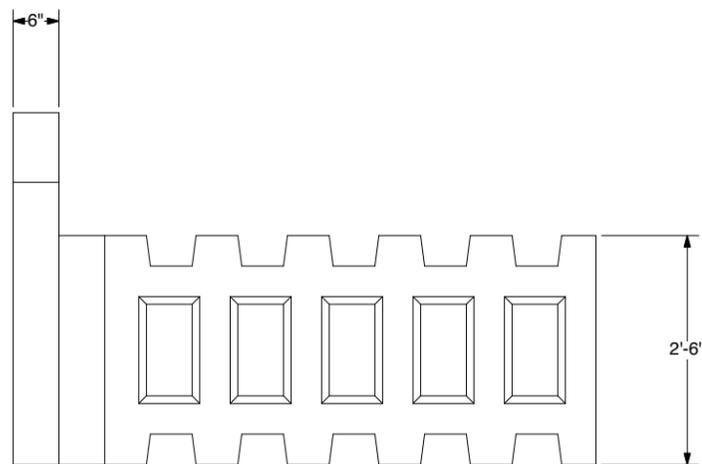
FABRICATION DRAWING  
 SPECIAL UNIT SP1

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB2



SP2 - FRONT VIEW

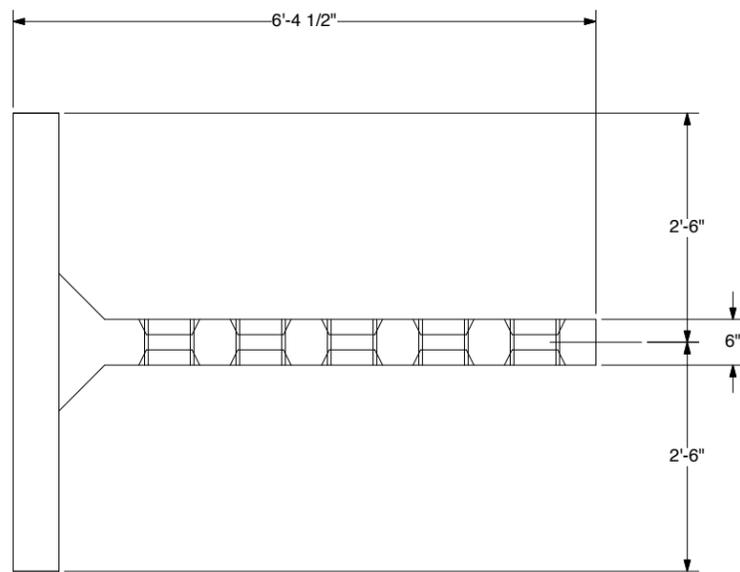


SP2 - SIDE VIEW

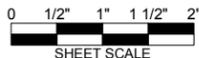
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 Date 8/8/2014  
 By T. Traver



SP2 - PLAN VIEW



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 HUDSON, NH  
**PROJECT #:** T21882

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**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**

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**PROJECT #:** TW4301

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REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**

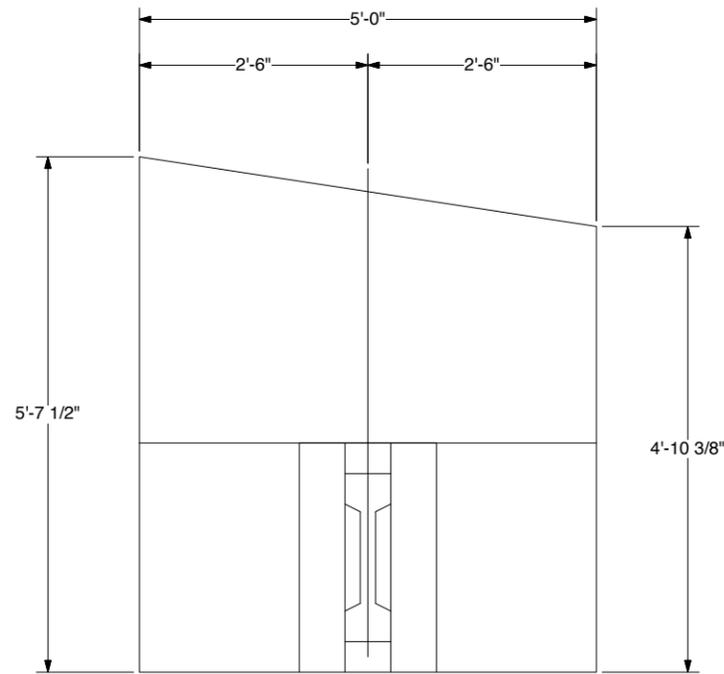
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

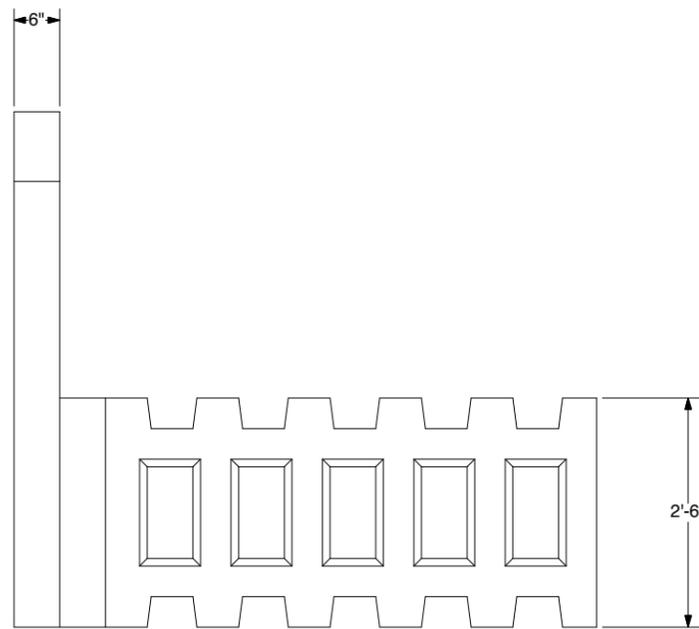
FABRICATION DRAWING  
 SPECIAL UNIT SP2

T-WALL® RETAINING WALL SYSTEM

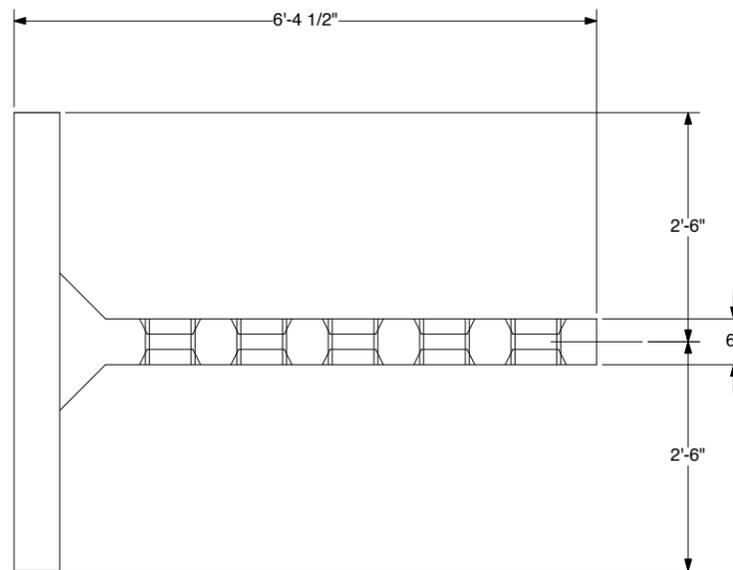
SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB3



**SP3 - FRONT VIEW**



**SP3 - SIDE VIEW**



**SP3 - PLAN VIEW**

**Approved**       **Approved As Noted**  
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Date 8/8/2014

 **McFarland Johnson**

By T. Traver

**FABRICATION DRAWING  
8-6-14**

**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

FABRICATION DRAWING  
SPECIAL UNIT SP3

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB4



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**PROJECT #:**

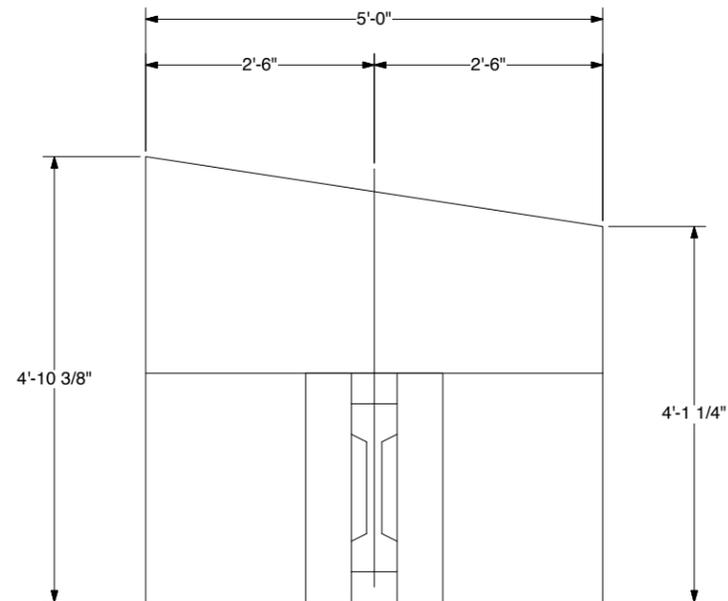
**DESIGNER**

 **THE NEEL COMPANY**  
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PH: (703) 913-7858  
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WEB: WWW.NEELCO.COM

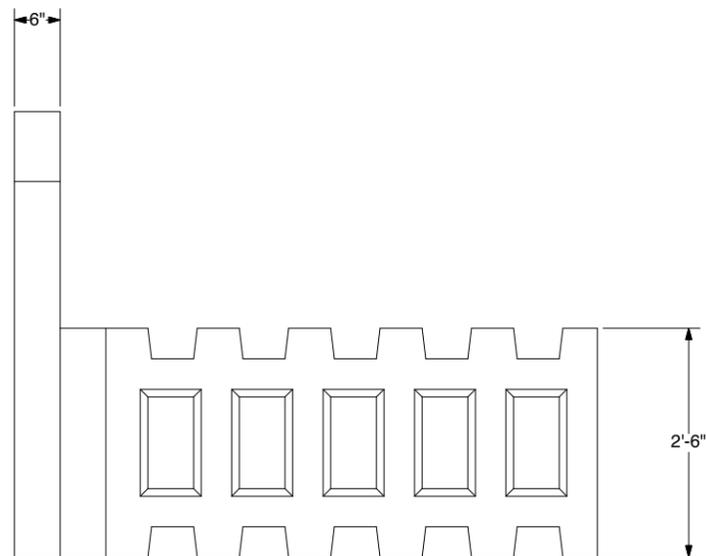
**PROJECT #:** TW4301

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T-WALL® STRUCTURES ONLY

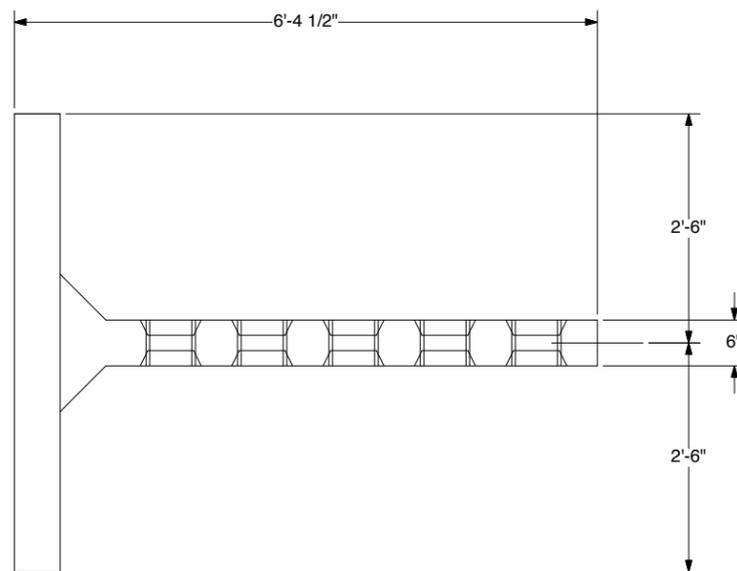
**REVISIONS**

SP4 - FRONT VIEW



SP4 - SIDE VIEW

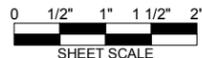


SP4 - PLAN VIEW

**Approved**  
 **Rejected**  
 **Approved As Noted**

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<b>CONTRACTOR:</b> <b>PROJECT #:</b>

**DESIGNER**



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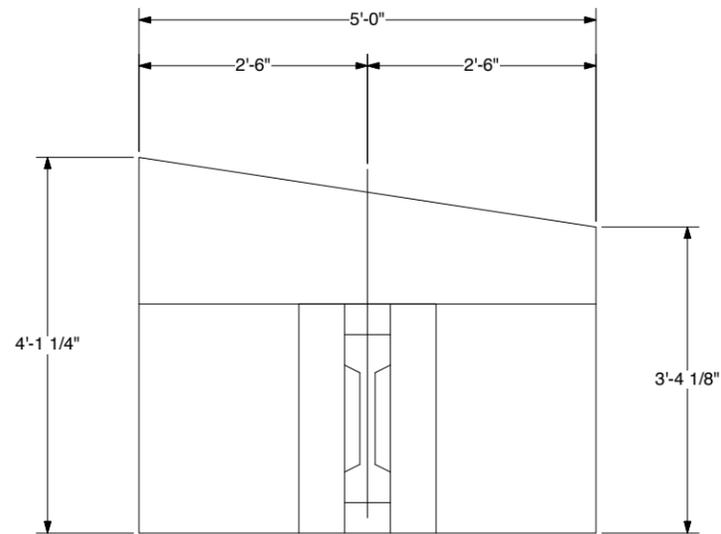
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**FABRICATION DRAWING**  
**8-6-14**

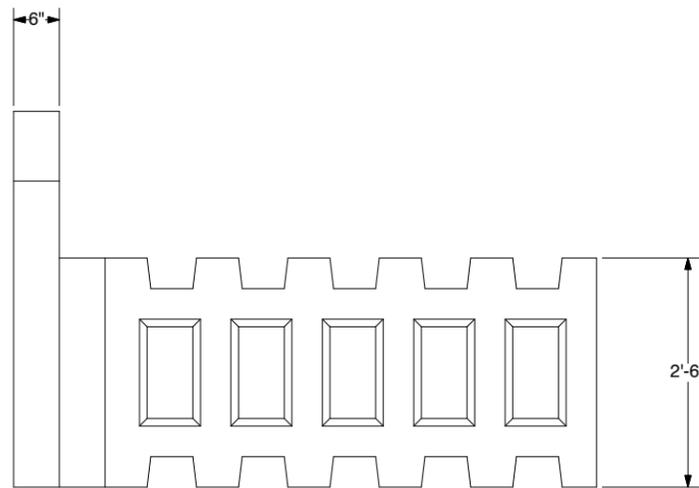
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT  
 FABRICATION DRAWING  
 SPECIAL UNIT SP4  
 T-WALL® RETAINING WALL SYSTEM

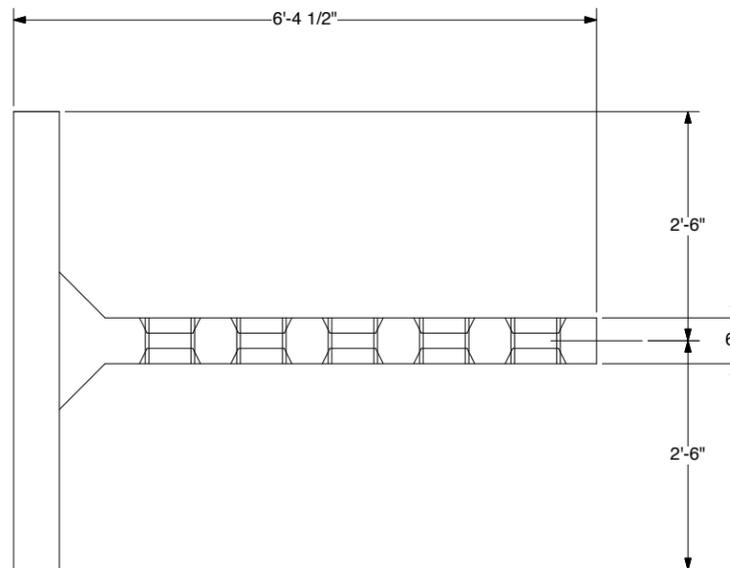
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DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB5



SP5 - FRONT VIEW



SP5 - SIDE VIEW



SP5 - PLAN VIEW

**Approved**
 **Approved As Noted**  
 **Rejected**

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<b>CONTRACTOR:</b> <b>PROJECT #:</b>

**DESIGNER**



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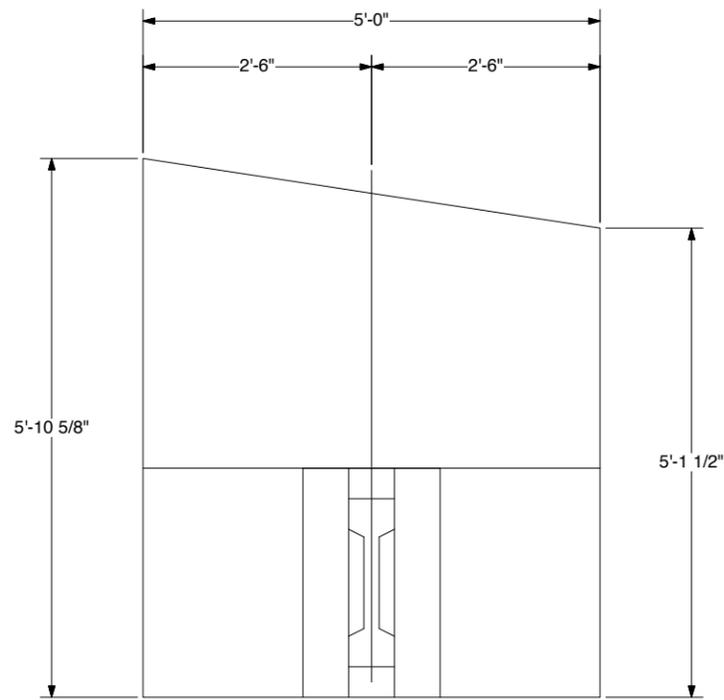
REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**

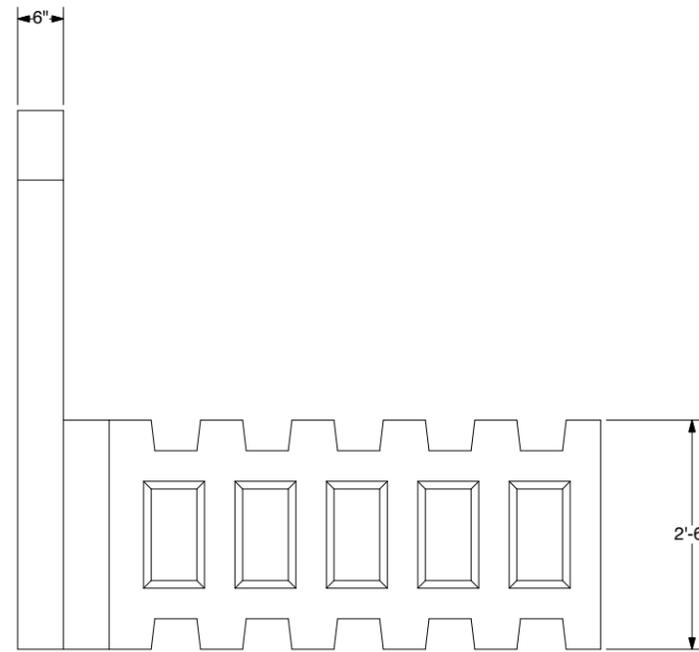
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT  
 FABRICATION DRAWING  
 SPECIAL UNIT SP5  
 T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB6



SP6 - FRONT VIEW



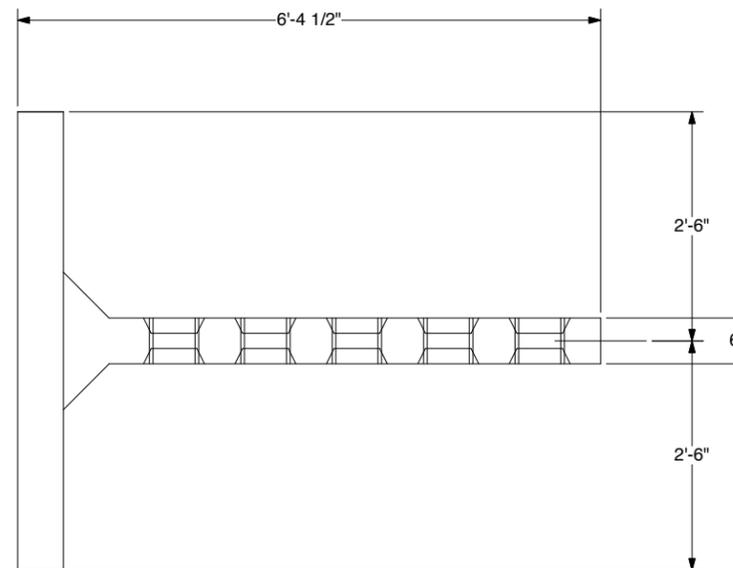
SP6 - SIDE VIEW

**Approved**                       **Approved As Noted**  
 **Rejected**

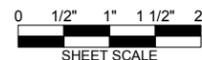
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SP6 - PLAN VIEW



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**PROJECT #:** T21882

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**



**PROJECT #:** TW4301

CERTIFIED WITH RESPECT  
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T-WALL® STRUCTURES ONLY

**REVISIONS**

NO.	DESCRIPTION	DATE

**FABRICATION DRAWING**  
**8-6-14**

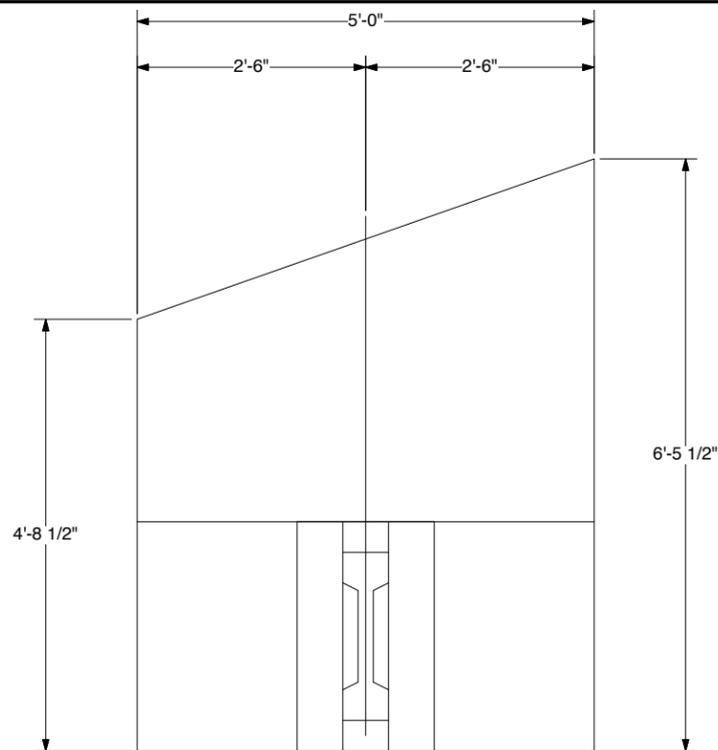
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

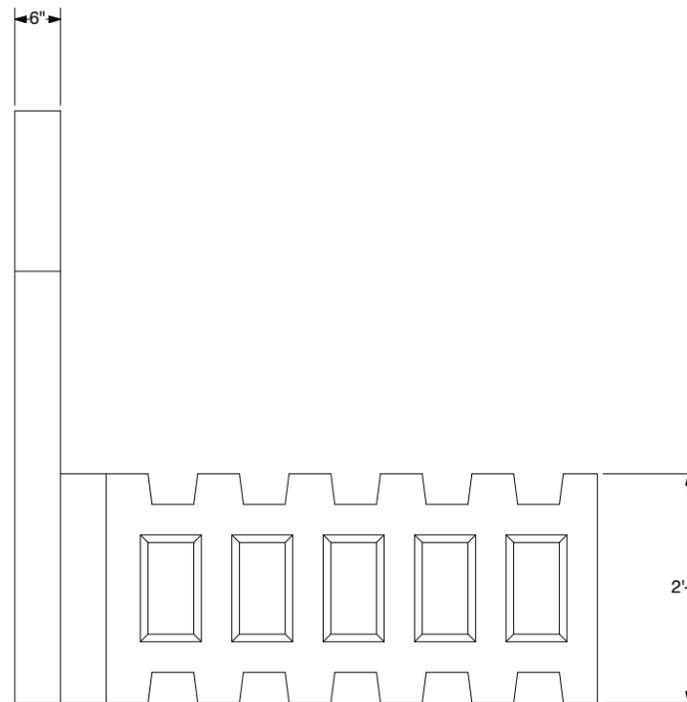
FABRICATION DRAWING  
SPECIAL UNIT SP6

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB7



SP7 - FRONT VIEW



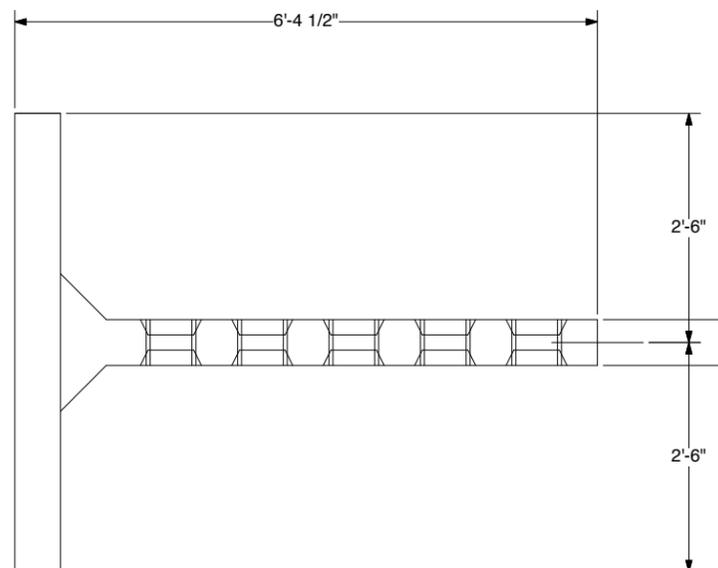
SP7 - SIDE VIEW

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 **Rejected**

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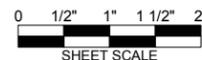
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By T. Traver

SP7 - PLAN VIEW

**FABRICATION DRAWING  
8-6-14**



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**PROJECT #:** TW4301

CERTIFIED WITH RESPECT TO INTERNAL STABILITY OF T-WALL® STRUCTURES ONLY

REVISIONS	

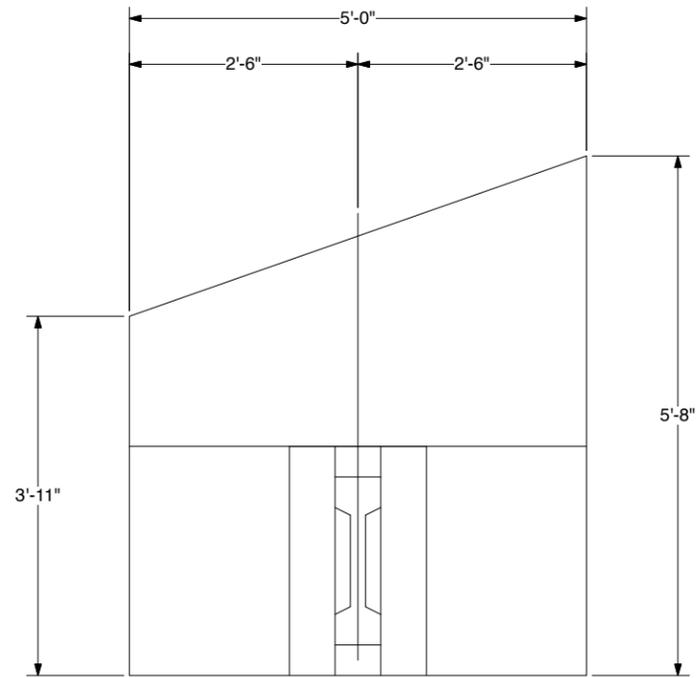
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

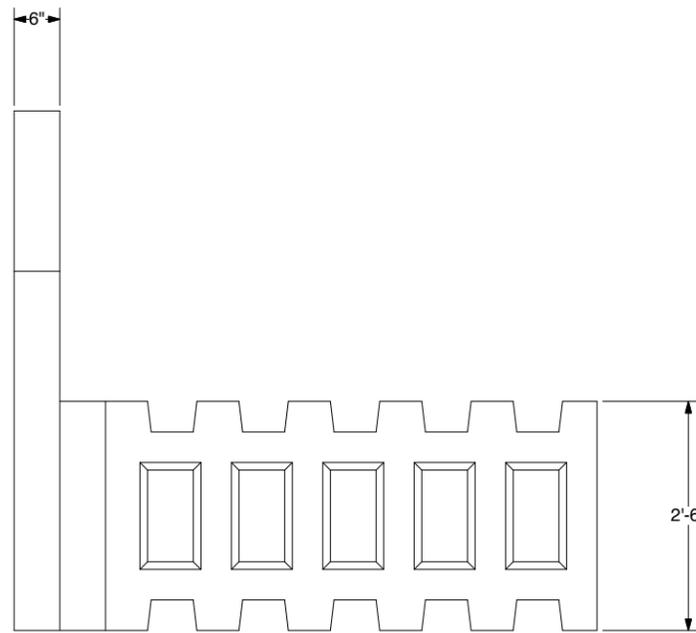
FABRICATION DRAWING  
SPECIAL UNIT SP7

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB8

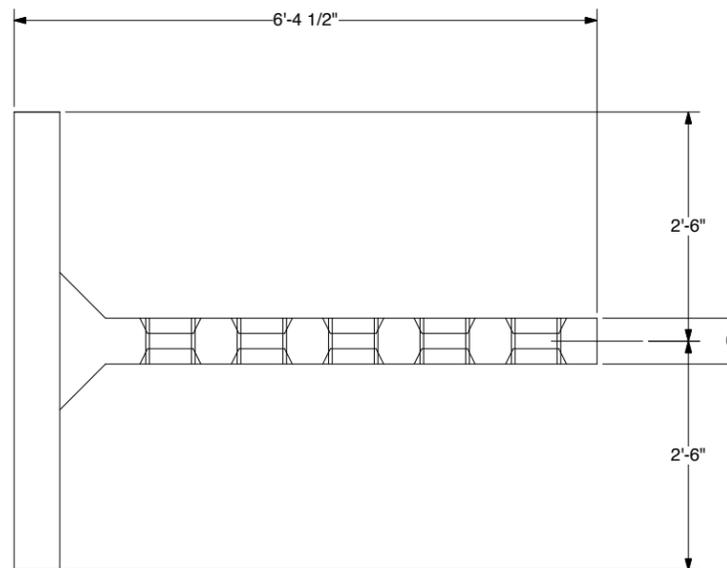


SP8 - FRONT VIEW



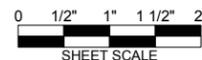
SP8 - SIDE VIEW

X <b>Approved</b> _____ <b>Rejected</b>	_____ <b>Approved As Noted</b>	
<p style="font-size: small;">This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.</p>		
<b>McFarland Johnson</b>		Date <u>8/8/2014</u> By <u>T. Traver</u>



SP8 - PLAN VIEW

**FABRICATION DRAWING  
8-6-14**



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<b>PRECASTER:</b> CONCRETE SYSTEMS, INC. HUDSON, NH <b>PROJECT #:</b> T21882
<b>CONTRACTOR:</b> <b>PROJECT #:</b>

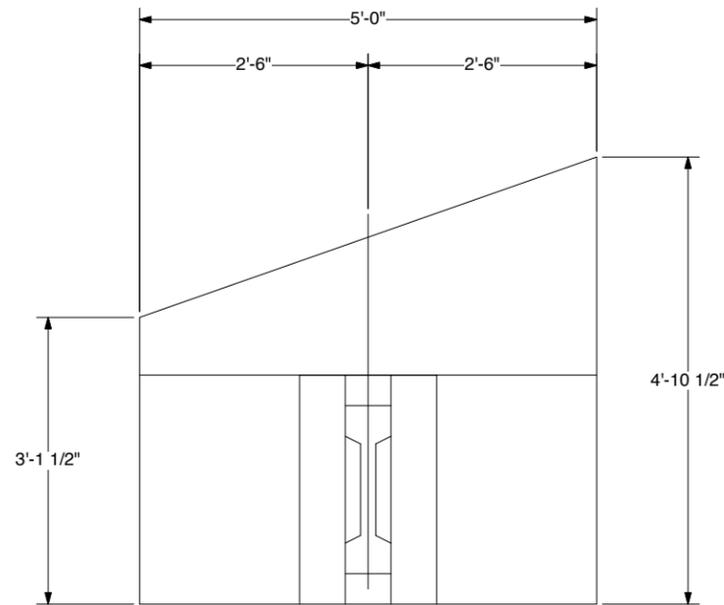
<b>DESIGNER</b> <b>THE NEEL COMPANY</b> 8328-D TRAFORD LANE SPRINGFIELD, VIRGINIA 22152 PH: (703) 913-7858 FX: (703) 913-7859 WEB: WWW.NEELCO.COM
<b>PROJECT #:</b> TW4301

CERTIFIED WITH RESPECT  
TO INTERNAL STABILITY OF  
T-WALL® STRUCTURES ONLY

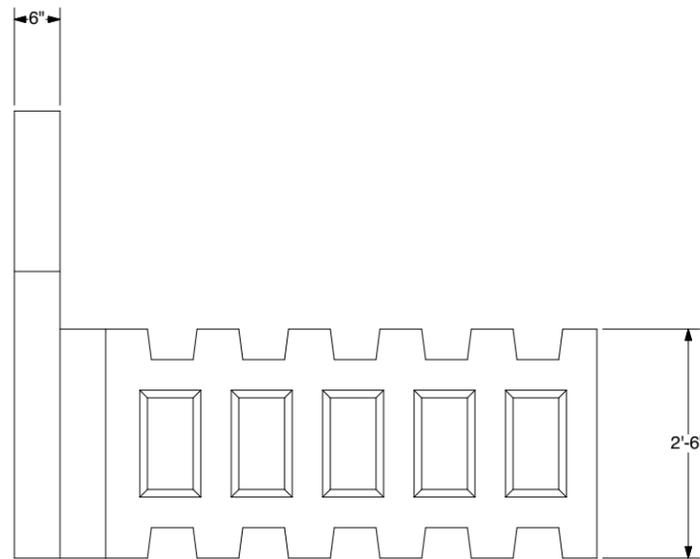
REVISIONS	

<b>RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT</b>  FAIRFIELD, VT  FABRICATION DRAWING SPECIAL UNIT SP8  T-WALL® RETAINING WALL SYSTEM
---

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB9



SP9 - FRONT VIEW



SP9 - SIDE VIEW

X **Approved**  
 \_\_\_\_\_ **Rejected**

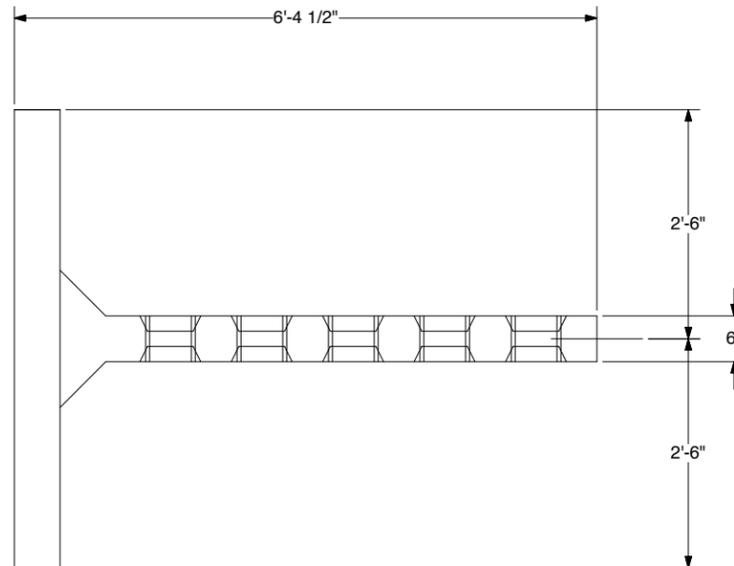
\_\_\_\_\_ **Approved As Noted**

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.



Date 8/8/2014

By T. Traver



SP9 - PLAN VIEW



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**PRECASTER:** CONCRETE SYSTEMS, INC.  
HUDSON, NH  
**PROJECT #:** T21882

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**



**THE NEEL COMPANY**  
8328-D TRAFORD LANE  
SPRINGFIELD, VIRGINIA 22152  
PH: (703) 913-7858  
FX: (703) 913-7859  
WEB: WWW.NEELCO.COM

**PROJECT #:** TW4301

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**REVISIONS**

NO.	DESCRIPTION	DATE

**FABRICATION DRAWING  
8-6-14**

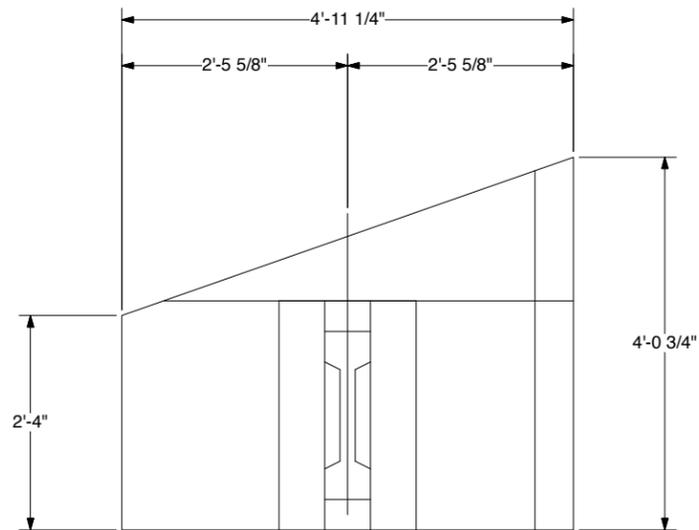
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

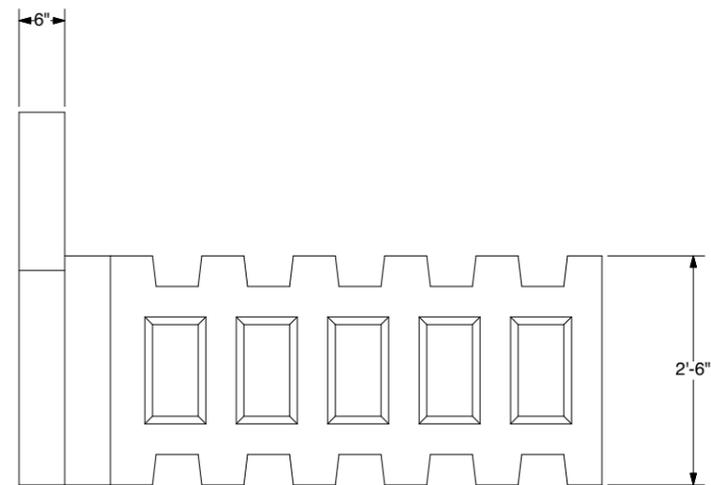
FABRICATION DRAWING  
SPECIAL UNIT SP9

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB10

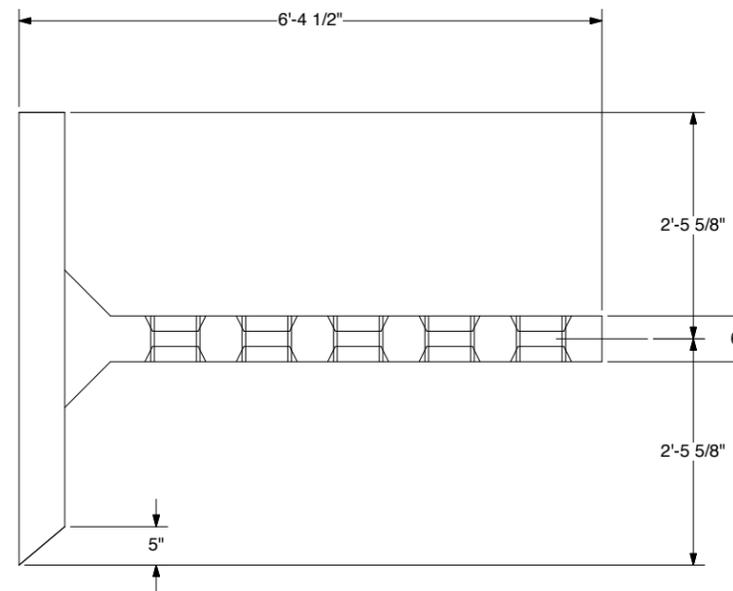


SP10 - FRONT VIEW



SP10 - SIDE VIEW

X <b>Approved</b> _____ <b>Rejected</b>	_____ <b>Approved As Noted</b>	
This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.		
		Date <u>8/8/2014</u>
By <u>T. Traver</u>		



SP10 - PLAN VIEW



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<b>PRECASTER:</b> CONCRETE SYSTEMS, INC. HUDSON, NH <b>PROJECT #:</b> T21882
<b>CONTRACTOR:</b> <b>PROJECT #:</b>

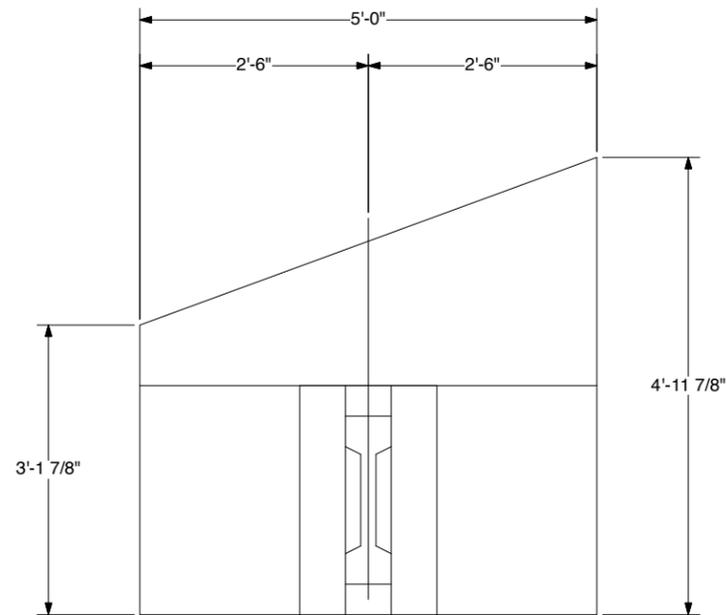
<b>DESIGNER</b> <b>THE NEEL COMPANY</b> 8328-D TRAFORD LANE SPRINGFIELD, VIRGINIA 22152 PH: (703) 913-7858 FX: (703) 913-7859 WEB: WWW.NEELCO.COM
<b>PROJECT #:</b> TW4301

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 TO INTERNAL STABILITY OF  
 T-WALL® STRUCTURES ONLY

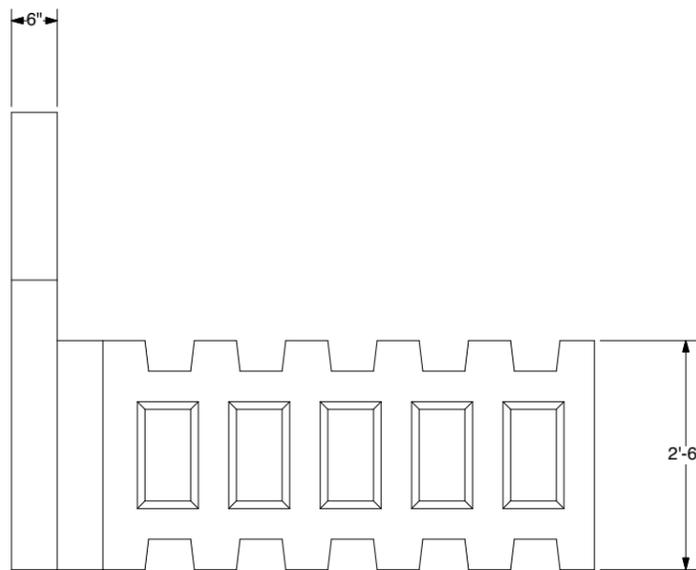
REVISIONS	

<b>FABRICATION DRAWING</b> <b>8-6-14</b> <b>RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT</b> FAIRFIELD, VT FABRICATION DRAWING SPECIAL UNIT SP10 T-WALL® RETAINING WALL SYSTEM
---

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB11



SP11 - FRONT VIEW

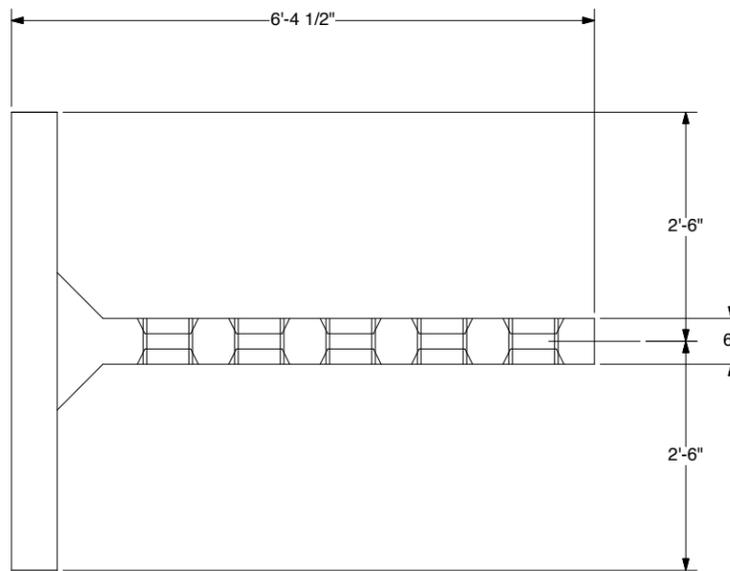


SP11 - SIDE VIEW

**X Approved**      **Approved As Noted**  
**Rejected**

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.

**McFarland Johnson**      Date 8/8/2014  
 By T. Traver



SP11 - PLAN VIEW

**FABRICATION DRAWING**  
**8-6-14**



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<b>PRECASTER:</b> CONCRETE SYSTEMS, INC. HUDSON, NH <b>PROJECT #:</b> T21882
<b>CONTRACTOR:</b>
<b>PROJECT #:</b>

**DESIGNER**



**THE NEEL COMPANY**  
 8328-D TRAFORD LANE  
 SPRINGFIELD, VIRGINIA 22152  
 PH: (703) 913-7858  
 FX: (703) 913-7859  
 WEB: WWW.NEELCO.COM

**PROJECT #:** TW4301

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 TO INTERNAL STABILITY OF  
 T-WALL® STRUCTURES ONLY

REVISIONS	

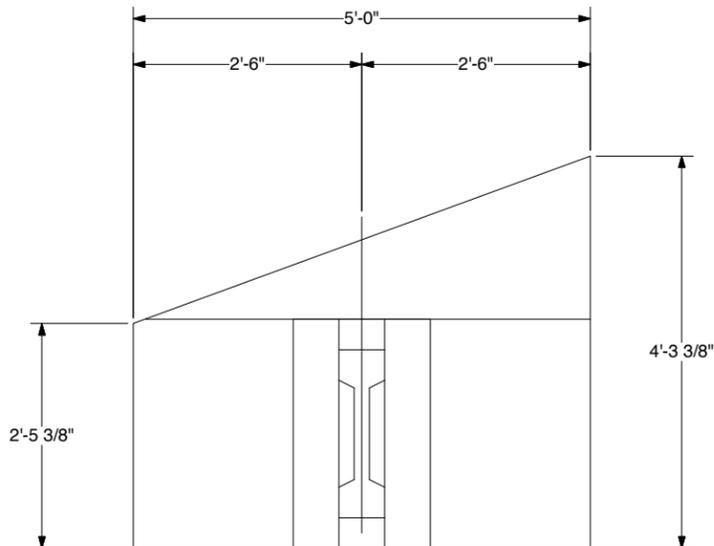
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

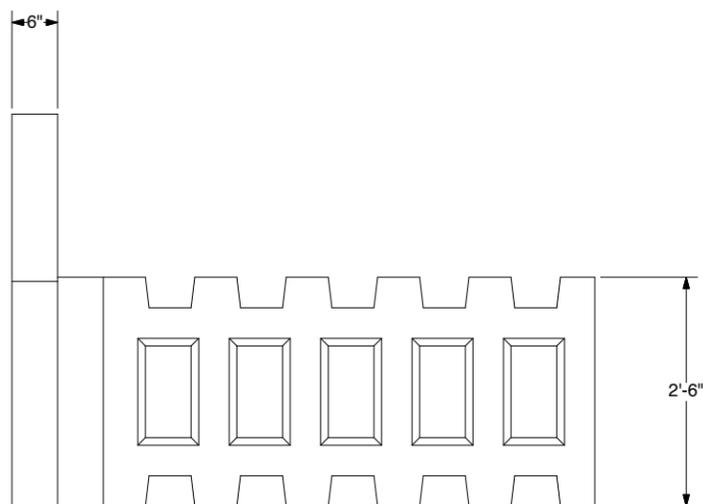
FABRICATION DRAWING  
 SPECIAL UNIT SP11

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB12



**SP12 - FRONT VIEW**

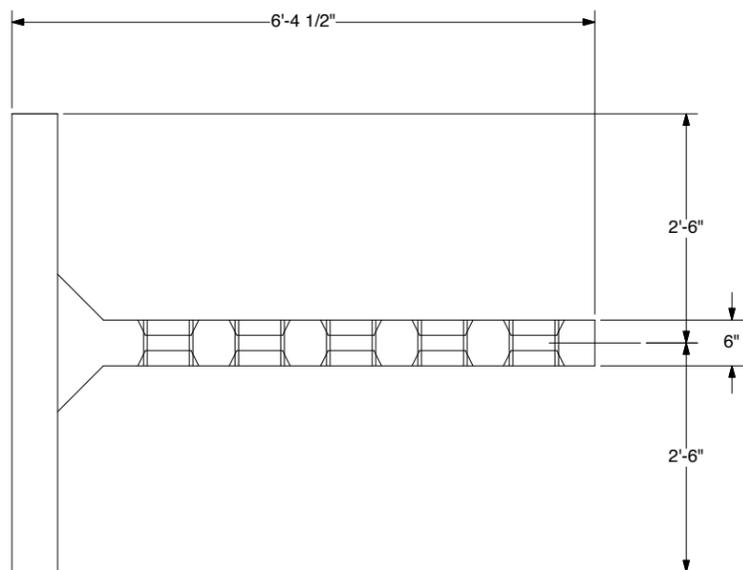


**SP12 - SIDE VIEW**

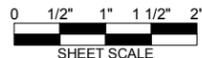
**Approved**                       **Approved As Noted**  
 **Rejected**

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Date 8/8/2014  
 By T. Traver

**SP12 - PLAN VIEW**



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**PRECASTER:** CONCRETE SYSTEMS, INC.  
 HUDSON, NH  
**PROJECT #:** T21882  


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**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**  

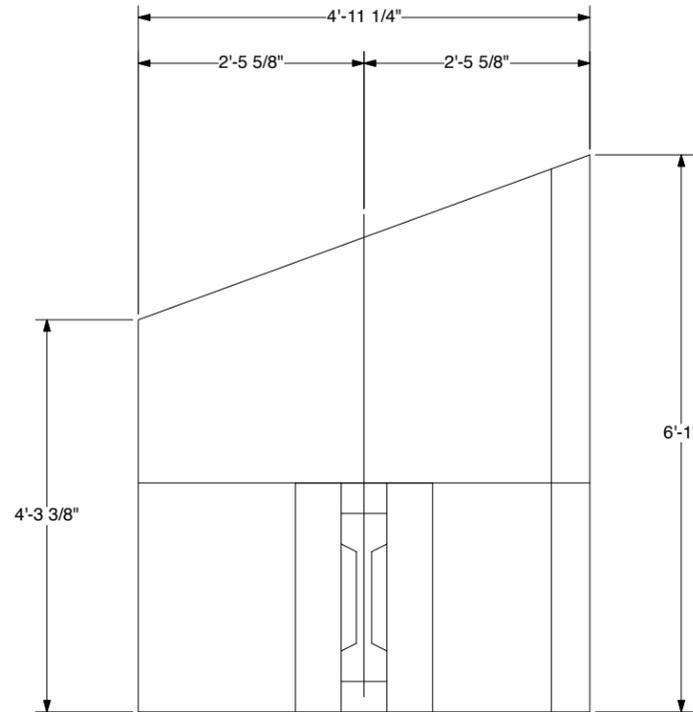
**THE NEEL COMPANY**  
 8328-D TRAFORD LANE  
 SPRINGFIELD, VIRGINIA 22152  
 PH: (703) 913-7858  
 FX: (703) 913-7859  
 WEB: WWW.NEELCO.COM  
**PROJECT #:** TW4301

CERTIFIED WITH RESPECT TO INTERNAL STABILITY OF T-WALL® STRUCTURES ONLY

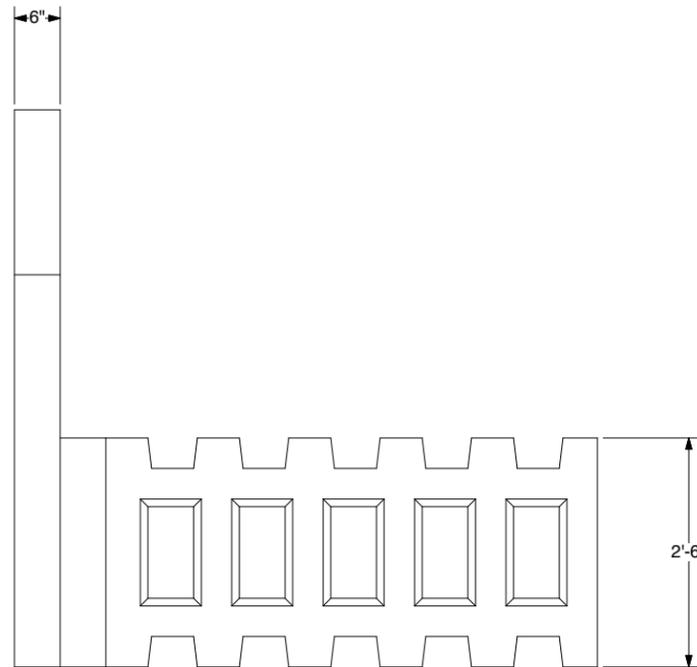
REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**  
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**  
 FAIRFIELD, VT  
 FABRICATION DRAWING  
 SPECIAL UNIT SP12  
 T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB13



SP13 - FRONT VIEW

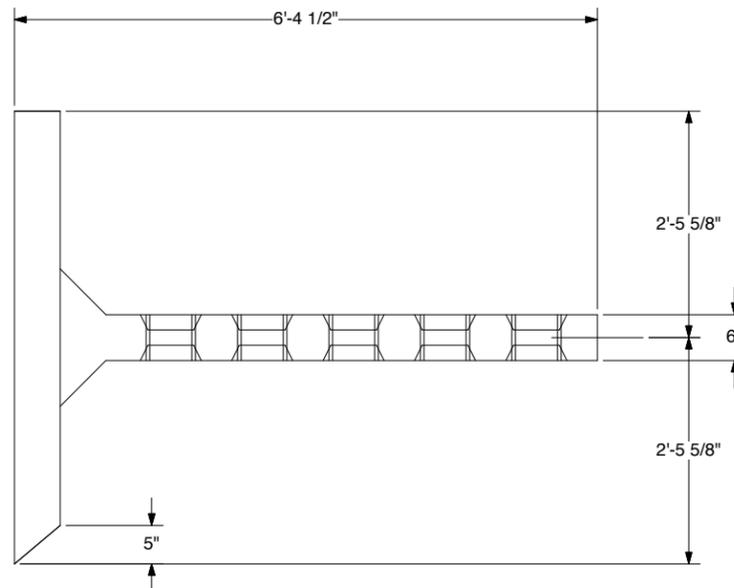


SP13 - SIDE VIEW

**Approved**       **Approved As Noted**  
 **Rejected**

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Date 8/8/2014  
 By T. Traver

SP13 - PLAN VIEW

### FABRICATION DRAWING 8-6-14



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**PRECASTER:** CONCRETE SYSTEMS, INC.  
HUDSON, NH  
**PROJECT #:** T21882

---

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**



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SPRINGFIELD, VIRGINIA 22152  
PH: (703) 913-7858  
FX: (703) 913-7859  
WEB: WWW.NEELCO.COM

**PROJECT #:** TW4301

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TO INTERNAL STABILITY OF  
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REVISIONS	

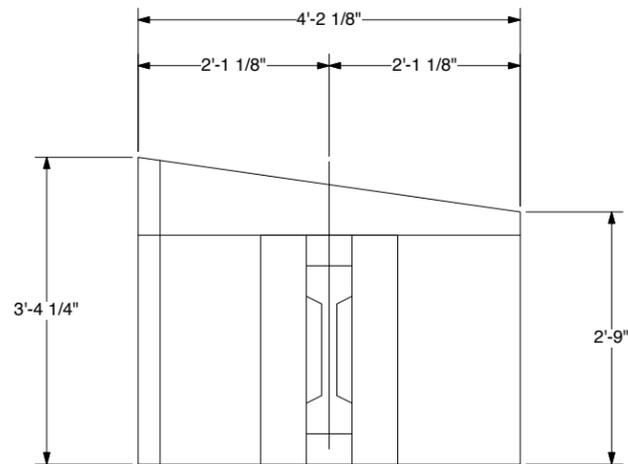
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

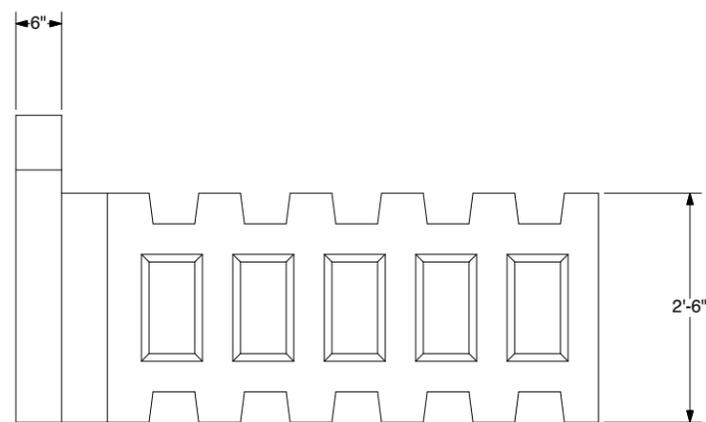
FABRICATION DRAWING  
SPECIAL UNIT SP13

T-WALL® RETAINING WALL SYSTEM

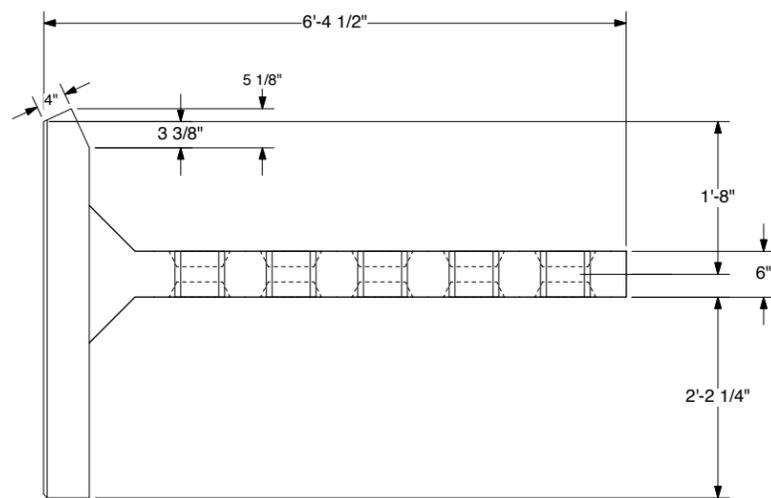
SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB14



**SP14 - FRONT VIEW**



**SP14 - SIDE VIEW**



**SP14 - PLAN VIEW**

**X** **Approved**      \_\_\_\_\_ **Approved As Noted**  
 \_\_\_\_\_ **Rejected**

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 **McFarland Johnson**  
 Date 8/8/2014  
 By T. Traver



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**PRECASTER:** CONCRETE SYSTEMS, INC.  
 HUDSON, NH  
**PROJECT #:** T21882

---

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**  
 **THE NEEL COMPANY**  
 8328-D TRAFORD LANE  
 SPRINGFIELD, VIRGINIA 22152  
 PH: (703) 913-7858  
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**PROJECT #:** TW4301

CERTIFIED WITH RESPECT  
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REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**

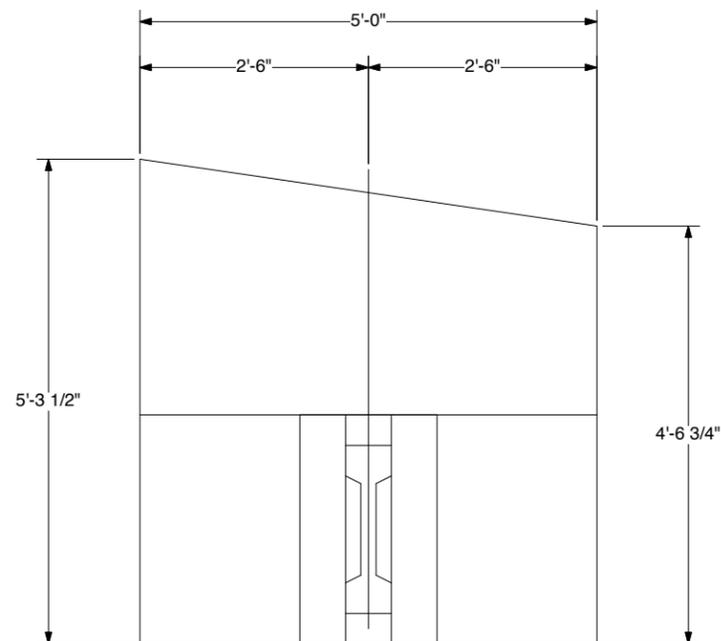
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

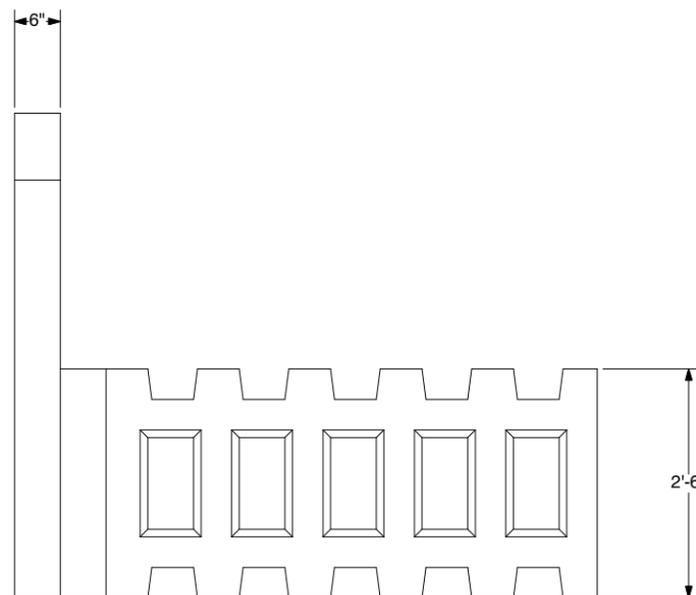
FABRICATION DRAWING  
 SPECIAL UNIT SP14

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB15



SP15 - FRONT VIEW



SP15 - SIDE VIEW

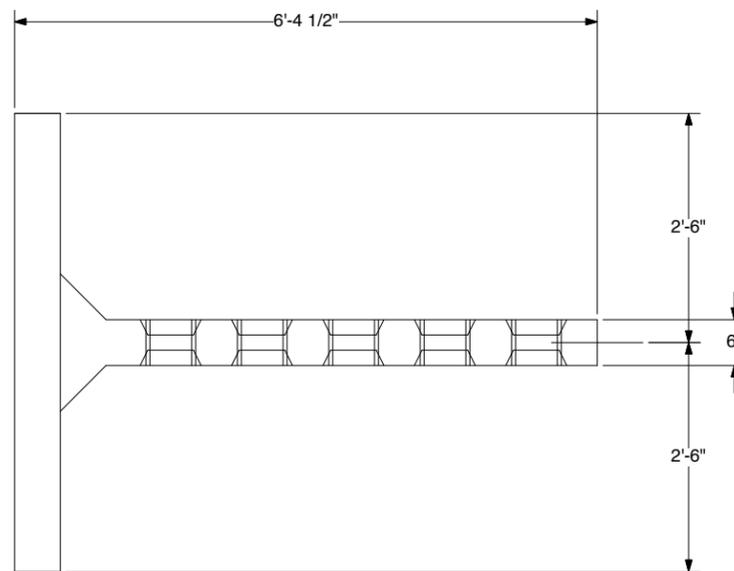
X **Approved**      \_\_\_\_\_ **Approved As Noted**  
 \_\_\_\_\_ **Rejected**

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Date 8/8/2014



By T. Traver



SP15 - PLAN VIEW

**FABRICATION DRAWING**  
**8-6-14**

**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

FABRICATION DRAWING  
 SPECIAL UNIT SP15

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB16



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**PRECASTER:** CONCRETE SYSTEMS, INC.  
 HUDSON, NH  
**PROJECT #:** T21882

---

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**

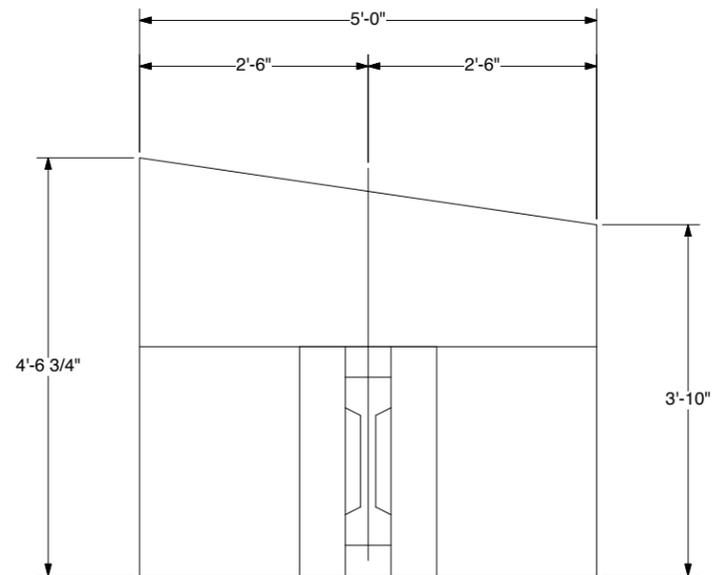


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 SPRINGFIELD, VIRGINIA 22152  
 PH: (703) 913-7858  
 FX: (703) 913-7859  
 WEB: WWW.NEELCO.COM

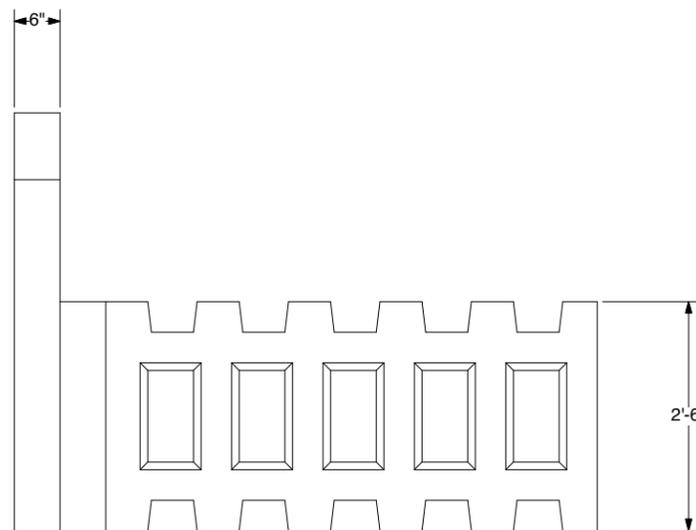
**PROJECT #:** TW4301

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 TO INTERNAL STABILITY OF  
 T-WALL® STRUCTURES ONLY

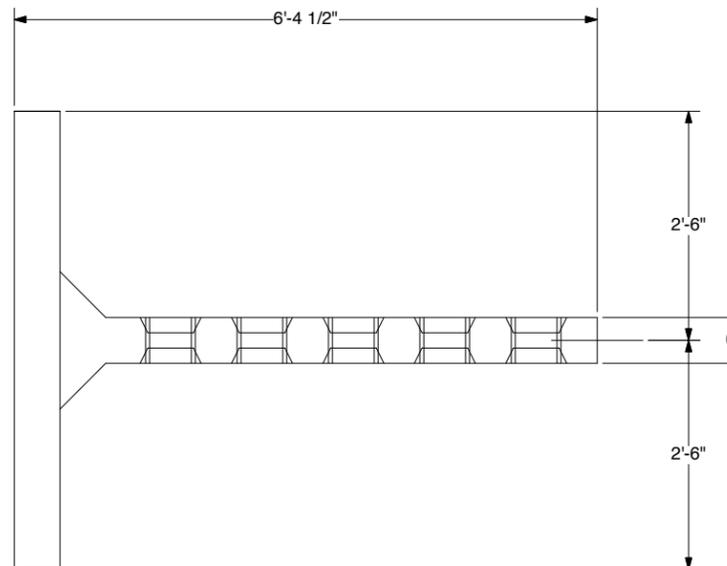
REVISIONS	



SP16 - FRONT VIEW



SP16 - SIDE VIEW



SP16 - PLAN VIEW

X **Approved**                      **Approved As Noted**  
                     **Rejected**

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Date 8/8/2014

By T. Traver



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HUDSON, NH  
**PROJECT #:** T21882

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**



**PROJECT #:** TW4301

CERTIFIED WITH RESPECT TO INTERNAL STABILITY OF T-WALL® STRUCTURES ONLY

**REVISIONS**

**FABRICATION DRAWING  
8-6-14**

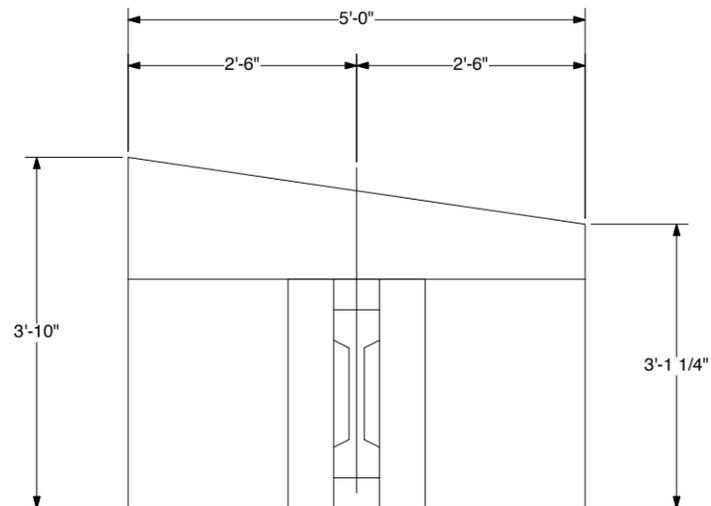
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

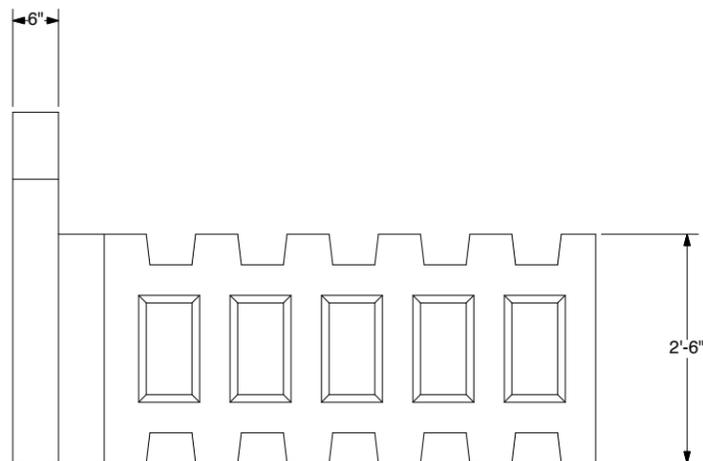
FABRICATION DRAWING  
SPECIAL UNIT SP16

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB17



SP17 - FRONT VIEW



SP17 - SIDE VIEW

X **Approved** \_\_\_\_\_ **Approved As Noted**  
 \_\_\_\_\_ **Rejected**

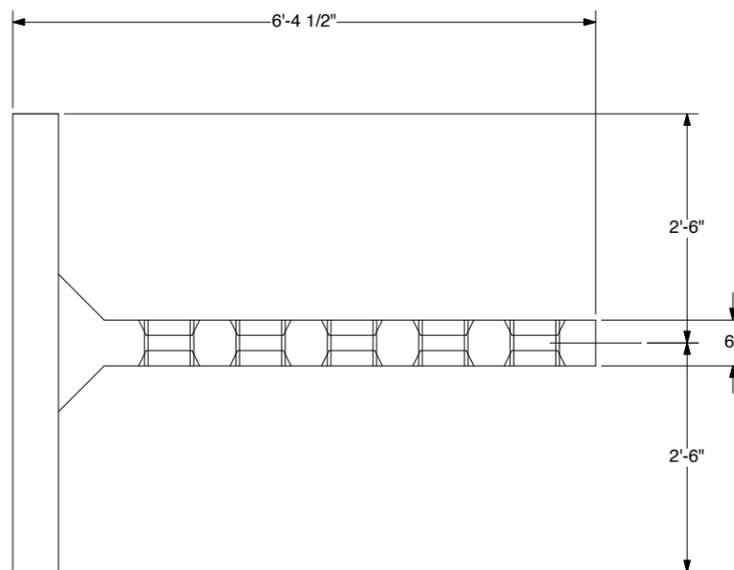
This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.



**McFarland Johnson**

Date 8/8/2014

By T. Traver



SP17 - PLAN VIEW



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**PRECASTER:** CONCRETE SYSTEMS, INC.  
HUDSON, NH  
**PROJECT #:** T21882

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**



**THE NEEL COMPANY**  
8328-D TRAFORD LANE  
SPRINGFIELD, VIRGINIA 22152  
PH: (703) 913-7858  
FX: (703) 913-7859  
WEB: WWW.NEELCO.COM

**PROJECT #:** TW4301

CERTIFIED WITH RESPECT  
TO INTERNAL STABILITY OF  
T-WALL® STRUCTURES ONLY

**REVISIONS**

NO.	DESCRIPTION	DATE

**FABRICATION DRAWING**  
**8-6-14**

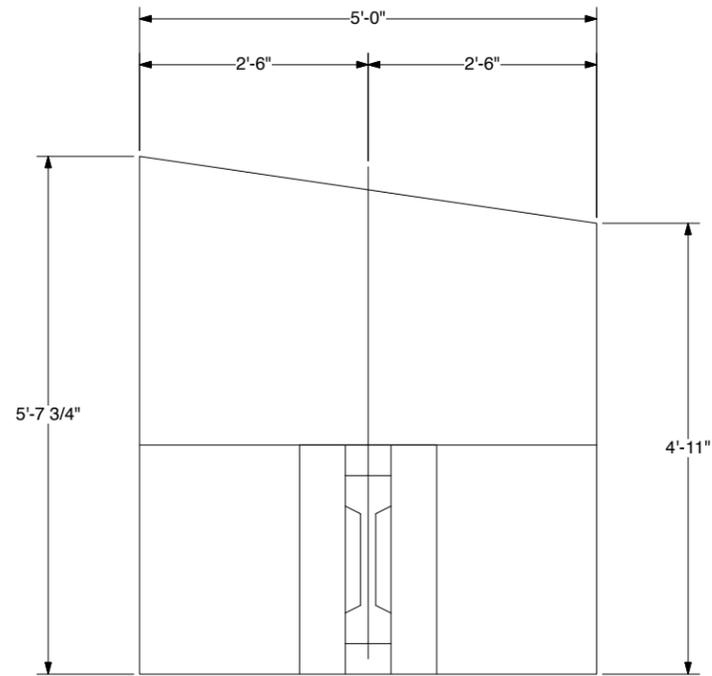
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

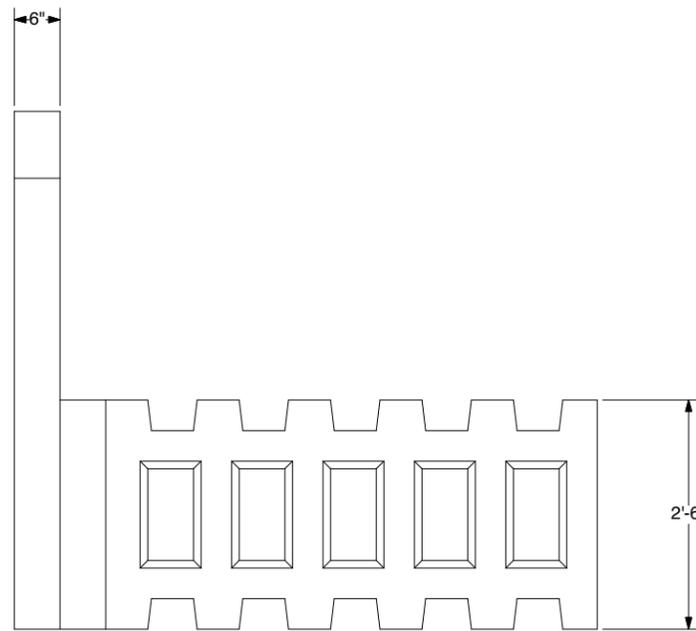
FABRICATION DRAWING  
SPECIAL UNIT SP17

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB18



SP18 - FRONT VIEW

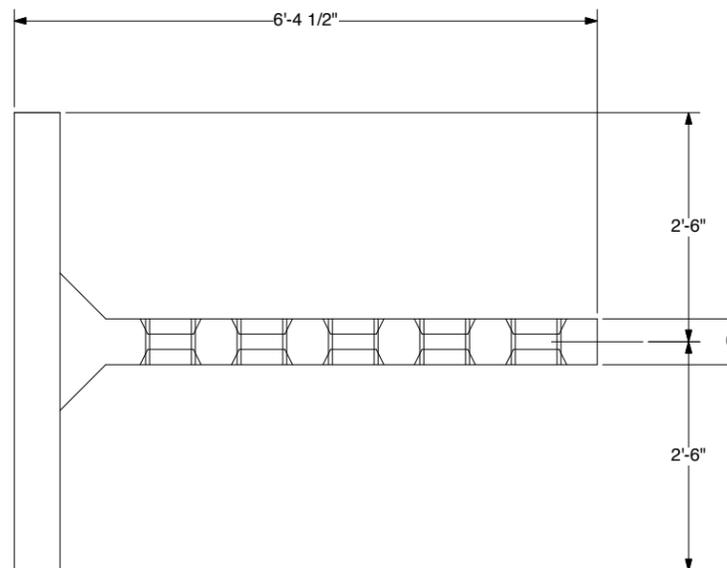


SP18 - SIDE VIEW

X **Approved**      \_\_\_\_\_ **Approved As Noted**  
 \_\_\_\_\_ **Rejected**

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 Date 8/8/2014  
 By T. Traver



SP18 - PLAN VIEW

**FABRICATION DRAWING  
8-6-14**

**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

FABRICATION DRAWING  
SPECIAL UNIT SP18

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB19



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**PRECASTER:** CONCRETE SYSTEMS, INC.  
HUDSON, NH  
**PROJECT #:** T21882

---

**CONTRACTOR:**  
**PROJECT #:**

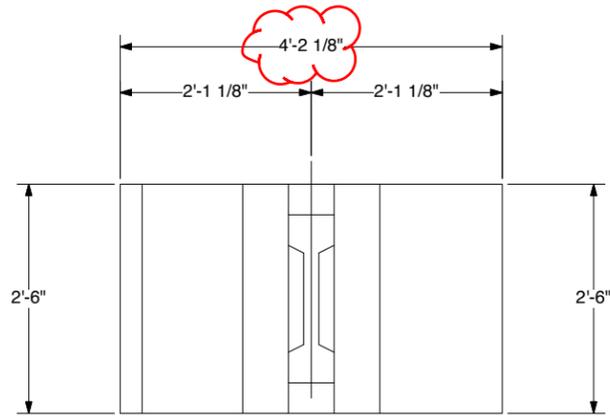
**DESIGNER**

 **THE NEEL COMPANY**  
 8328-D TRAFORD LANE  
 SPRINGFIELD, VIRGINIA 22152  
 PH: (703) 913-7858  
 FX: (703) 913-7859  
 WEB: WWW.NEELCO.COM

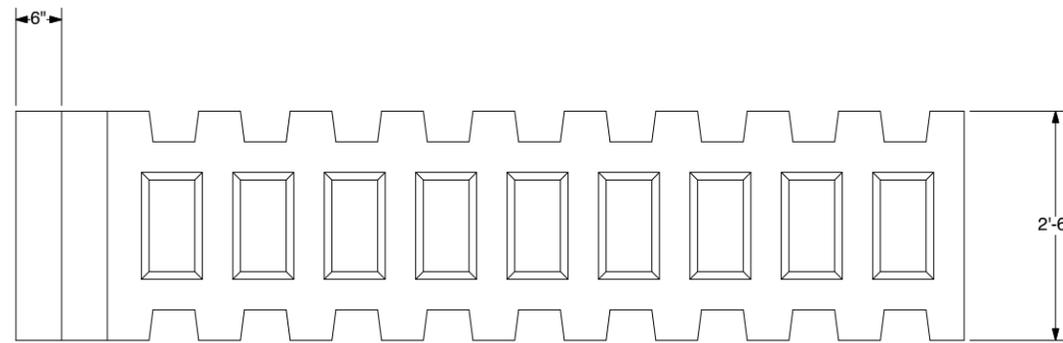
**PROJECT #:** TW4301

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TO INTERNAL STABILITY OF  
T-WALL® STRUCTURES ONLY

REVISIONS	

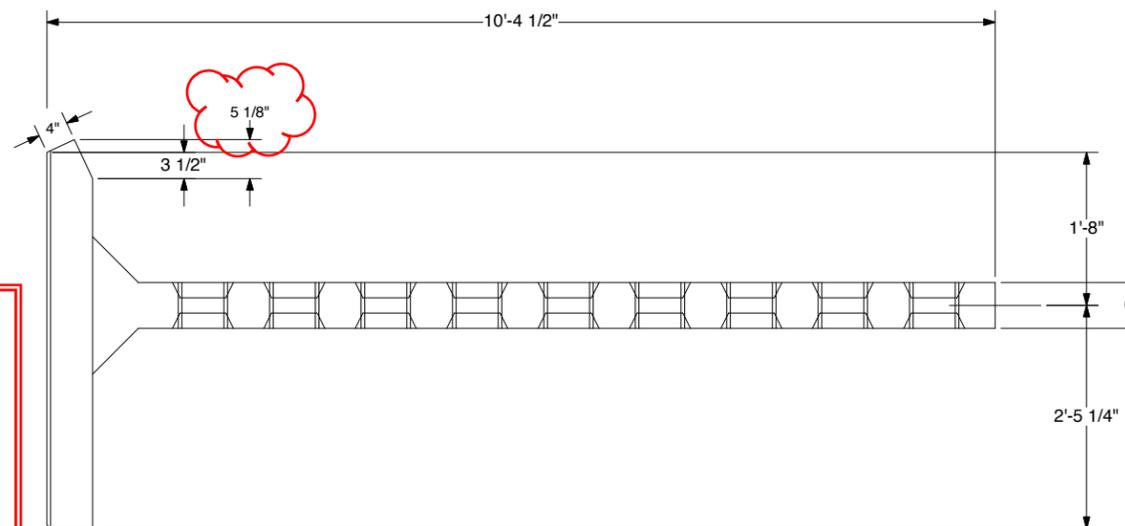


**SP20 - FRONT VIEW**



**SP20 - SIDE VIEW**

check dimensions:  
 $2'-5 \frac{1}{4}'' + 1'-8'' - 3 \frac{1}{2}'' + 5 \frac{1}{8}''$  does  
 equals  $4'-2 \frac{7}{8}''$  not  $4'-2 \frac{1}{8}''$ .

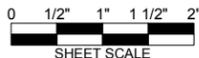


**SP20 - PLAN VIEW**

**Approved**                       **Approved As Noted**  
 **Rejected**

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Date 8/8/2014  
 By T. Traver

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**PRECASTER:** CONCRETE SYSTEMS, INC.  
 HUDSON, NH  
**PROJECT #:** T21882

**CONTRACTOR:**

**PROJECT #:**

**DESIGNER**



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 8328-D TRAFORD LANE  
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 FX: (703) 913-7859  
 WEB: WWW.NEELCO.COM

**PROJECT #:** TW4301

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 TO INTERNAL STABILITY OF  
 T-WALL® STRUCTURES ONLY

REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**

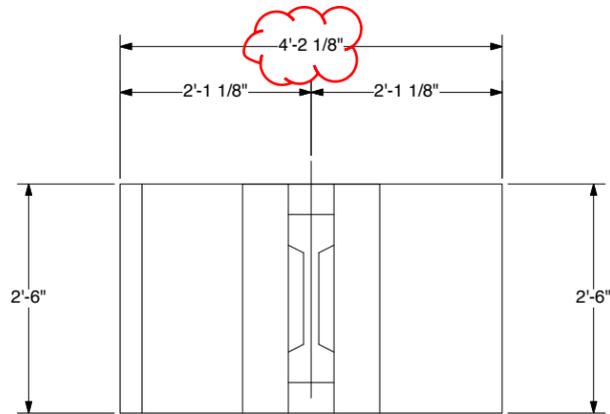
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

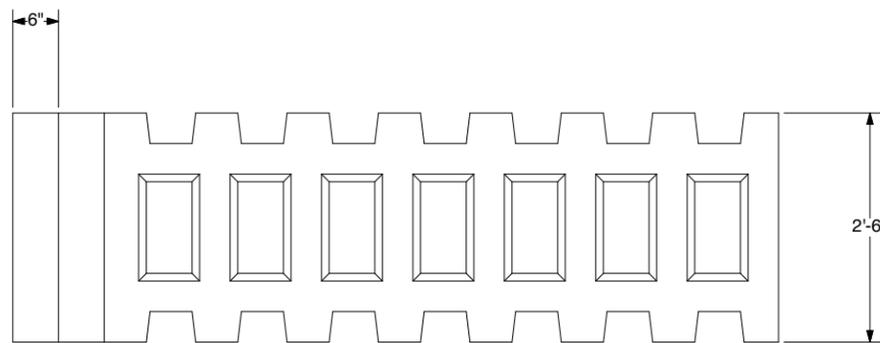
FABRICATION DRAWING  
 SPECIAL UNIT SP20

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB20

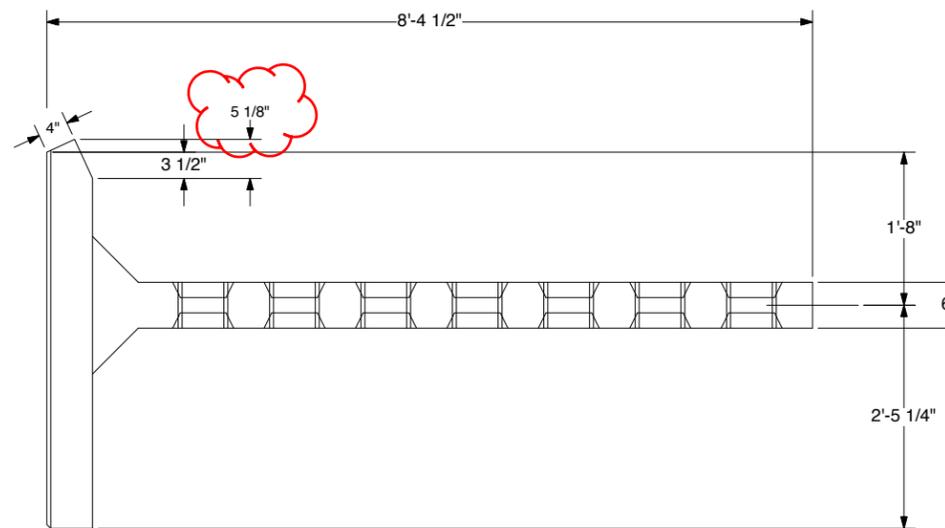


SP21 - FRONT VIEW



SP21 - SIDE VIEW

check dimensions:  
 $2'-5 \frac{1}{4}'' + 1'-8'' - 3 \frac{1}{2}'' + 5 \frac{1}{8}''$  does  
 equals  $4'-2 \frac{7}{8}''$  not  $4'-2 \frac{1}{8}''$ .

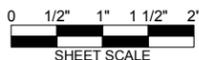


SP21 - PLAN VIEW

Approved  
 Rejected  
 Approved As Noted

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Date 8/8/2014  
 By T. Traver



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**PRECASTER:** CONCRETE SYSTEMS, INC.  
 HUDSON, NH  
**PROJECT #:** T21882

---

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**  
**THE NEEL COMPANY**  
 8328-D TRAFORD LANE  
 SPRINGFIELD, VIRGINIA 22152  
 PH: (703) 913-7858  
 FX: (703) 913-7859  
 WEB: WWW.NEELCO.COM

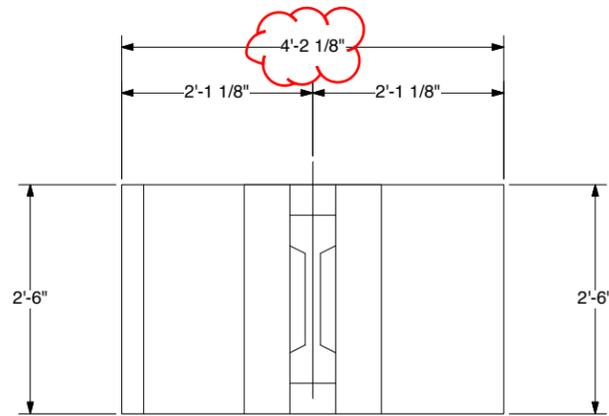
**PROJECT #:** TW4301

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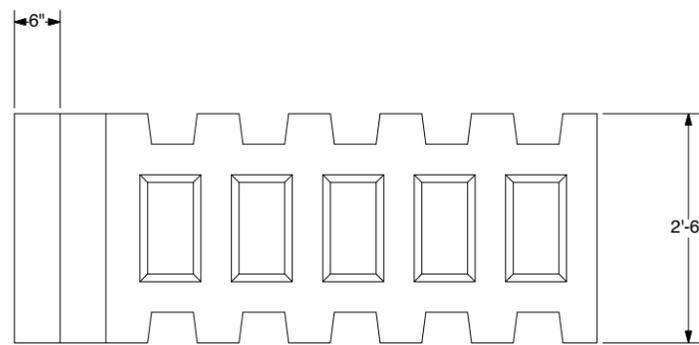
REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**  
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**  
 FAIRFIELD, VT  
 FABRICATION DRAWING  
 SPECIAL UNIT SP21  
 T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB21

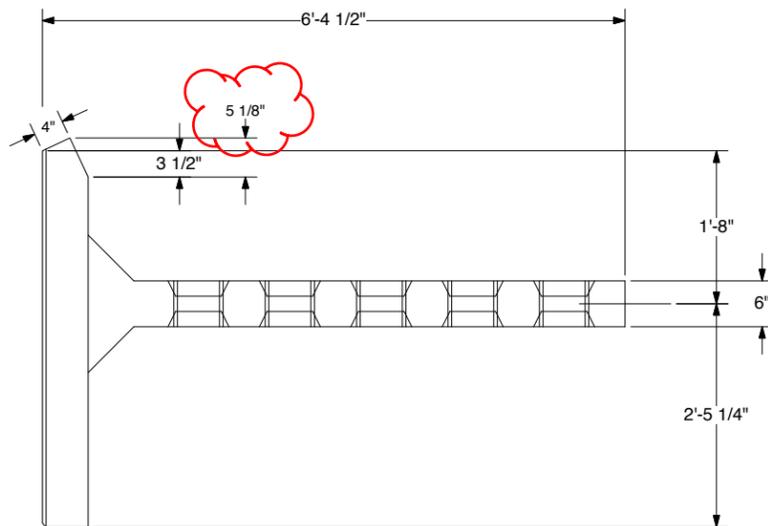


SP22 - FRONT VIEW



SP22 - SIDE VIEW

check dimensions:  
 $2'-5 \frac{1}{4}'' + 1'-8'' - 3 \frac{1}{2}'' + 5 \frac{1}{8}''$  does  
 equals  $4'-2 \frac{7}{8}''$  not  $4'-2 \frac{1}{8}''$ .

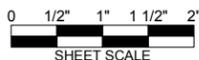


SP22 - PLAN VIEW

**Approved**                       **Approved As Noted**  
 **Rejected**

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Date 8/8/2014  
 By T. Traver

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**PRECASTER:** CONCRETE SYSTEMS, INC.  
 HUDSON, NH  
**PROJECT #:** T21882

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**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**  
 **THE NEEL COMPANY**  
 8328-D TRAFORD LANE  
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 WEB: WWW.NEELCO.COM

**PROJECT #:** TW4301

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REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**

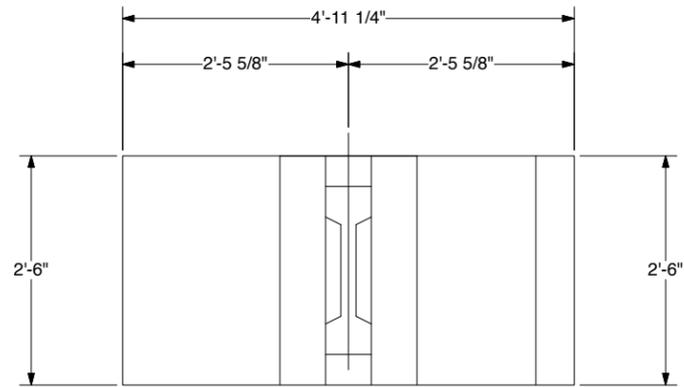
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

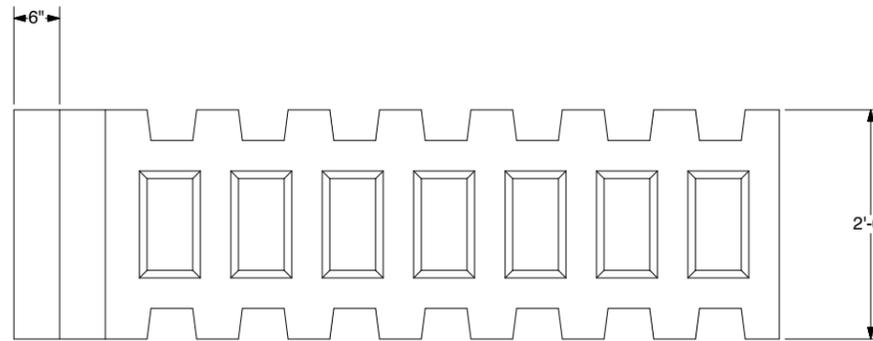
FABRICATION DRAWING  
 SPECIAL UNIT SP22

T-WALL® RETAINING WALL SYSTEM

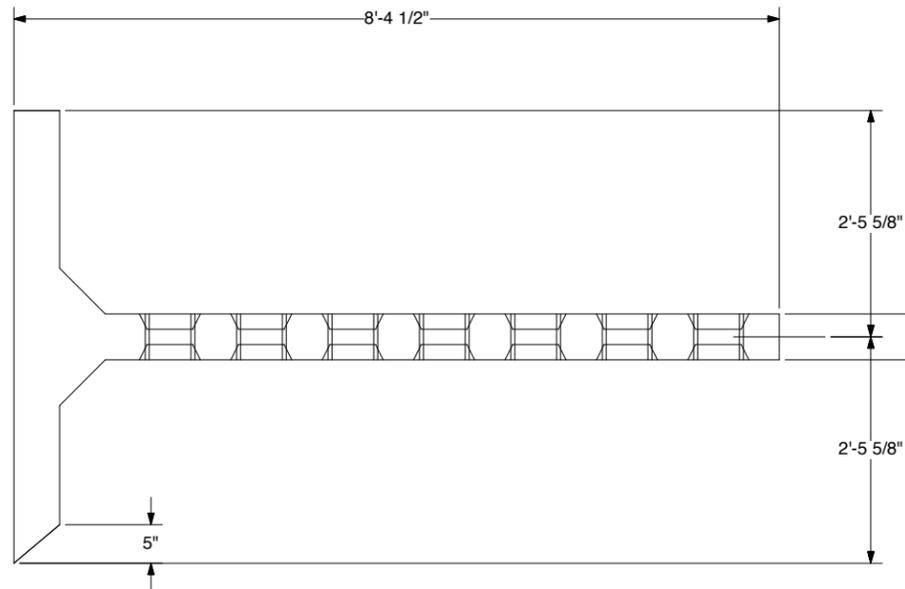
SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB22



SP23 - FRONT VIEW



SP23 - SIDE VIEW



SP23 - PLAN VIEW

<input checked="" type="checkbox"/>	<b>Approved</b>	<input type="checkbox"/>	<b>Approved As Noted</b>
<input type="checkbox"/>	<b>Rejected</b>		

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 Date 8/8/2014

By T. Traver



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<b>PRECASTER:</b> CONCRETE SYSTEMS, INC. HUDSON, NH
<b>PROJECT #:</b> T21882
<b>CONTRACTOR:</b>
<b>PROJECT #:</b>

**DESIGNER**



**THE NEEL COMPANY**  
8328-D TRAFORD LANE  
SPRINGFIELD, VIRGINIA 22152  
PH: (703) 913-7858  
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WEB: WWW.NEELCO.COM

**PROJECT #:** TW4301

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TO INTERNAL STABILITY OF  
T-WALL® STRUCTURES ONLY

REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**

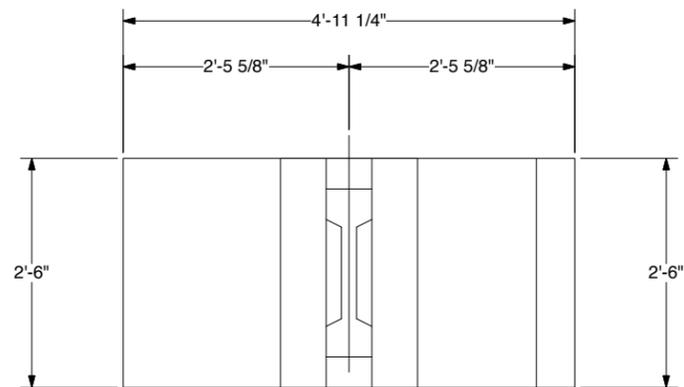
**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

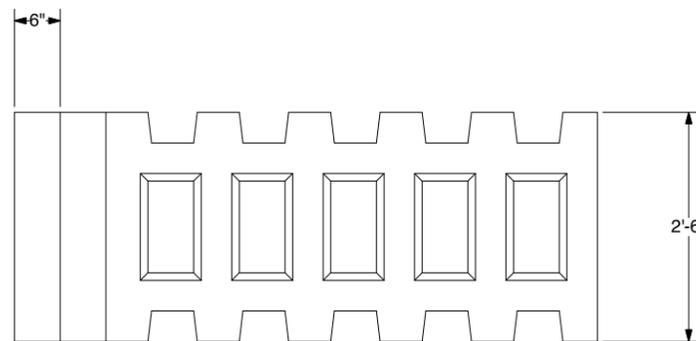
FABRICATION DRAWING  
SPECIAL UNIT SP23

T-WALL® RETAINING WALL SYSTEM

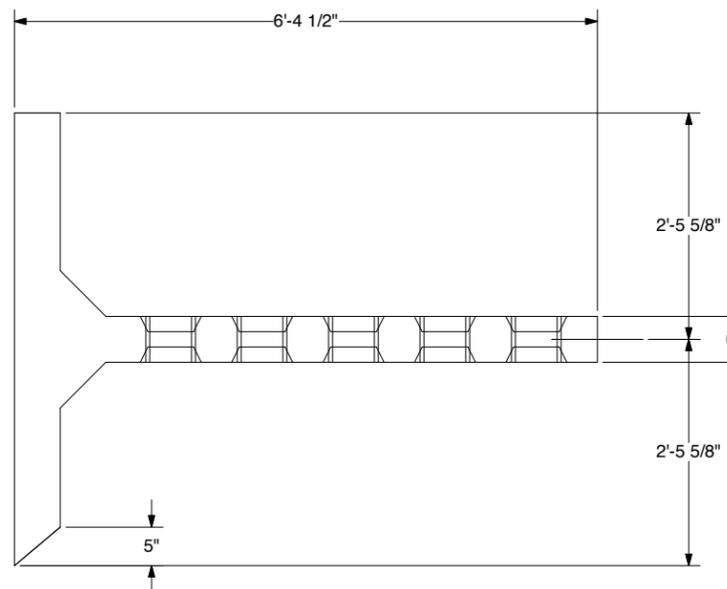
SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB23



SP24 - FRONT VIEW



SP24 - SIDE VIEW

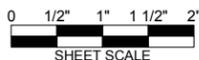


SP24 - PLAN VIEW

**Approved**
 **Approved As Noted**  
 **Rejected**

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Date 8/8/2014  
 By T. Traver

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**PRECASTER:** CONCRETE SYSTEMS, INC.  
HUDSON, NH  
**PROJECT #:** T21882

---

**CONTRACTOR:**  
**PROJECT #:**

**DESIGNER**



**THE NEEL COMPANY**  
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SPRINGFIELD, VIRGINIA 22152  
PH: (703) 913-7858  
FX: (703) 913-7859  
WEB: WWW.NEELCO.COM

**PROJECT #:** TW4301

CERTIFIED WITH RESPECT  
TO INTERNAL STABILITY OF  
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REVISIONS	

**FABRICATION DRAWING**  
**8-6-14**

**RIGIDIFIED TUBE FRP ARCH (RTFA) PROJECT**

FAIRFIELD, VT

FABRICATION DRAWING  
SPECIAL UNIT SP24

T-WALL® RETAINING WALL SYSTEM

SCALE:	1" = 1'-0"
DATE:	8-6-14
DESIGNED BY:	KD
DRAWN BY:	ABC
CHECKED BY:	KD
SHEET:	TW-FB24