



QTY = 1
 Δ WEIGHT = 5.59 TONS

HW1B - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244 WATER REPEL	0.5	GA	
EM-00033	3" FOAM CORE PVC	8.17	FT	
EM-00115	UTILITY ANCHOR #8UA671-GALVANIZED	2	EA	
RM-00016	REBAR #5 EPOXY- GR 60 40'	329	LB	
SBO	GUARDRAIL ANCHOR ASSY W/4 BOLTS	3	EA	
MX-FA5000SC20	MIX DSGN - FLY ASH - 5000 - SELF COMP.	2.76	CY	

All Rebar to be Epoxy Coated			
Headwall Rebar Schedule			
MK	QTY	LENGTH	
501 #5	26	6'	8"
502 #5	6	16'	10"
503 #5	6	1'	0"
504 #5	4	8'	8"

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR COMPLIANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED REMOVE AND RESUBMIT DIMENSIONS CORRECTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THE REVIEW SHALL BE RETURNED TO THE CONTRACTOR FOR COMPLIANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS NOT A GUARANTEE OF THE GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL APPLICABLE REGULATIONS, TECHNICAL STANDARDS, PROCEDURES AND TECHNIQUES OF CONSTRUCTION, CONSULTING AND HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING THE WORK IN A SAFE AND SATISFACTORY MANNER.

Yannise Hungen Brunlin, Inc.
 7055 US Route 7
 North Ferrisburgh, VT 05473
 802.425.7700

HUBBARDTON BR 96
 Job Number ER STP 0161(26)
 Reviewed by S. FARNSWORTH
 Date 10-16-2012

This drawing is based upon information provided from the following documents and/or sources:

Engineer:
 Project No:
 Drawings:
 Specifications:
 Other:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY
 VTTrans

Drawn By M. SCOTT
 Checked By
 Approved By
 Date 09/24/2012

HUBBARDTON ER STP 0161(26)
 BRIDGE NO. 96
 J.A. McDONALD, INC.
 PROPOSED IMPROVEMENT BRIDGE PROJECT
 HUBBARDTON, VT

SHOP DRAWING HW1B
 C21377-HW1B

Quantity: 1 Project No: ER STP 0161(26) SHEET 5A OF 7A

STATE OF VERMONT
 CHRISTOPHER M. WICK
 NO. 77928
 Structural
 LICENSED
 PROFESSIONAL ENGINEER

10/12/12

Stamp for structural design only

Rev.	Date	DESCRIPTION	By
1	10/12/12	Revised headwall thickness	MS
2			
3			
4			
5			
6			
7			
8			
9			
10			