



QTY = 1  
WEIGHT = 4.54 TONS

HW2A - BILL OF MATERIALS / EMBEDS			
CSI ID#	DESCRIPTION	QTY	UM
DTJ	CERTI-VEX PENSEAL 244 WATER REPEL	0.55	GA
EM-00033	3" FOAM CORE PVC	8.17	FT
EM-00116	UTILITY ANCHOR #8UA671-GALVANIZED	2	EA
RM-00016	REBAR #5 EPOXY-GR 60 40'	339	LB
SBO	GUARDRAIL ANCHOR ASSY W/4 BOLTS	3	EA
MX-FA5000SC20	MIX DSGN - FLY ASH - 5000 - SELF COMP.	2.24	CY

All Rebar to be Epoxy Coated		
Headwall Rebar Schedule		
MK	QTY	LENGTH
501 #5	26	7' 0"
502 #5	6	16' 10"
503 #5	6	7' 0"
504 #5	4	9' 0"

**SHOP DRAWING REVIEW**

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

REJECTED  REVISE AND RESUBMIT  FURNISH AS CORRECTED

CONTRACTOR'S OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW SHALL RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS FOR YOUR RECORD OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND IS NOT A GUARANTEE OF THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND CORRELATING ALL COMMENTS AND DIMENSIONS. SELECTING FABRICATED PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING THE WORK IN A SAFE AND SATISFACTORY MANNER.

Vinasse Hungen Braslin, Inc. 7056 US Route 7 North Ferrisburgh, VT 05475 802.425.7790

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 Date: 09/24/2012  
Checked By: Date:  
Approved By: Date:

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

SHOP DRAWING HW2A  
C21377-HW2A

Quantity: 1 Project No: ER STP 0161(26) SHEET 6A OF 7A

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

Stamp for structural design only

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