

**GENERAL NOTES:**

- 1) FINE GRADING OF EXISTING SUBBASE SHALL BE COMPLETED BY CONTRACTOR WITH A 1/8" TOLERANCES TO FOLLOW (SUPER-SLAB™) SYSTEM GRADING TOLERANCES.
- 2) CONTRACTOR SHALL INSTALL PRECAST CONCRETE APPROACH SLABS (SUPER-SLAB™) IN ACCORDANCE WITH ITEM# 900.620
- 3) CONTRACTOR TO CLEAN AND FILL CRACKS AND JOINTS IN ACCORDANCE WITH CONTRACT PLANS.
- 4) CONTRACTOR SHALL PROVIDE AND INSTALL PRECAST CONCRETE APPROACH SLAB BEDDING & DOWEL GROUT.
- 5) POSITION OF REINFORCEMENT TO BE MAINTAINED WITH THERMOPLASTIC CHAIRS OR PLASTIC TIPPED BOLSTERS.
- 6) FABRICATION OF PRECAST APPROACH SLABS SHALL CONFORM TO ITEM# 900.620.
- 7) FORT MILLER TO PROVIDE PRECAST CONCRETE (SUPER-SLAB™) INSTALLATION & GRADING MANUALS TO THE CONTRACTOR.

**CONCRETE DATA:**

**CONCRETE COMPRESSIVE STRENGTH:**  
 28-DAY STRENGTH = 5,000 psi  
 STRIPPING STRENGTH = 3,500 psi  
**MIX DESIGN:** 3,000 psi  
 MIX CODE: SP249  
 SUBMITTED UNDER SEPARATE COVER.

**CURING:**

ALL SUPER-SLAB APPROACH SLAB WILL BE PRECAST INSIDE A FULLY ENCLOSED, HEATED BUILDING. THEREFORE, DURING THE CASTING, CURING AND STRIPPING PHASES THE UNITS WILL NOT BE SUBJECTED TO DIRECT SUNLIGHT, DRYING WINDS OR AMBIENT TEMPERATURES OUTSIDE OF THE 50°F - 80°F RANGE.

AFTER EACH OF THE SLABS ARE CAST AND AS SOON AS THE LAST FINISHING OPERATION IS COMPLETED THE TOP-IN-FORM SURFACE OF THE UNITS WILL BE COVERED WITH ONE (1) LAYER OF WHITE POLYETHYLENE FILM SUPPORTED IN SUCH A WAY AS TO PREVENT ANY MARRING OF THE UNITS' TOP SURFACES.

ALL OF THE UNITS WILL REMAIN IN THE CASTING FORM(S) WITH THE WHITE POLYETHYLENE FILM COVERING THEIR TOP SURFACES UNTIL THE UNITS HAVE REACHED 70% OF THE SPECIFIED 28-DAY CYLINDER STRENGTH AS DETERMINED BY CYLINDERS KEPT DIRECTLY NEXT TO AND SUBJECTED TO THE SAME CONDITIONS AS THE UNITS THAT THEY REPRESENT. AFTER THIS STRENGTH HAS BEEN ATTAINED THE UNITS MAY BE REMOVED FROM THE CASTING FORMS (BUT SHALL REMAIN IN THE BUILDING) AND THEN THE TOP SURFACE OF THE SUPER-SLABS SHALL BE COVERED WITH TWO LAYERS OF APPROVED BURLAP PRE-SOAKED AND FULLY SATURATED WITH WATER. THE BURLAP SHALL THEN BE COVERED WITH ONE (1) LAYER OF LAPPED WHITE POLYETHYLENE FILM. THE BURLAP LAYERS SHALL BE KEPT CONTINUOUSLY WET USING A SOAKER HOSE ON TOP OF THE BURLAP AND BELOW THE POLYETHYLENE SHEET. THE WET BURLAP AND WHITE POLYETHYLENE SHALL REMAIN IN PLACE UNTIL THE SPECIFIED 28-DAY CYLINDER STRENGTH HAS BEEN ATTAINED. AT THAT TIME THE BURLAP AND POLYETHYLENE MAY BE REMOVED FROM THE APPROACH SLABS AND MAY BE REMOVED FROM THE BUILDING FOR STORAGE.

**TOLERANCES:**

ALL UNITS SHALL BE CHECKED FOR COMPLIANCE WITH THE TOLERANCES LISTED BELOW, AFTER THE UNITS HAVE COMPLETED THE CURING PHASE AND WITHIN THREE DAYS OF ACTUAL SHIPMENT. THE INSPECTOR SHALL DOCUMENT ANY UNIT WITH DIMENSIONS OUT OF TOLERANCE. ANY UNIT WHICH FAILS TO MEET THESE TOLERANCES COULD BE SUBJECT TO REJECTION.

LENGTH, WIDTH, THICKNESS: ±1/8"  
 OVERALL PANEL SQUARENESS:  
 DIFFERENCE IN  
 DIAGONALS NOT TO EXCEED 3/16"  
 EDGE SQUARENESS: 1/8" IN 10" (IN  
 RELATION  
 TO TOP AND BOTTOM  
 SURFACES)  
 LIFTING LOCATION: ±6"  
 GROUT CHANNEL LOCATION: ±4"

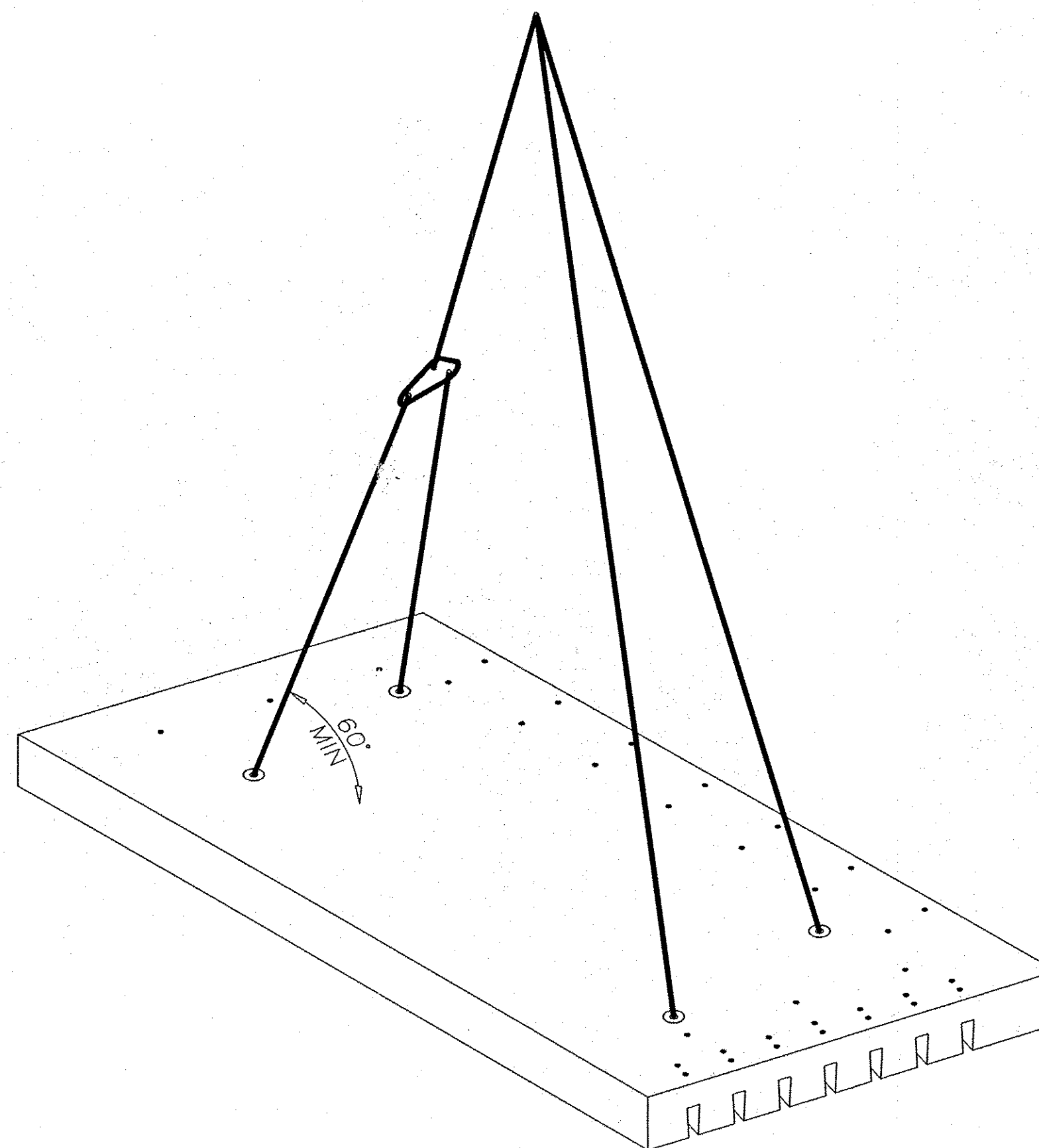
**PRODUCTION SCHEDULE:**

- 1) UNITS SHALL BE FABRICATED ON A FIVE DAY SCHEDULE. NUMBER OF UNITS TO BE PRODUCED PER DAY SHALL BE (1)±.
- 2) MARKING: EACH UNIT SHALL BE MARKED WITH THE FOLLOWING INFORMATION:  
 PROJECT#: BRF 025-1 - RTE 103  
 DATE CAST AGENCY: VAOT  
 FM PROJECT #12511 MARK#

**MANUFACTURING SPECIFICATION: VAOT**

**FOAM GASKET REPAIR PROCEDURE:**

PRIOR TO INSTALLATION, ALL PANELS SHALL BE INSPECTED BY THE CONTRACTOR FOR MISSING OR DAMAGED GASKET MATERIAL. ANY GASKET MATERIAL THAT HAS BEEN DISPLACED OR WILL OTHERWISE COMPROMISE THE GROUTING OPERATION SHALL BE REPLACED BY THE CONTRACTOR IN THE FIELD.



**LIFTING SCHEME**

ALL LIFTING TO BE ACCOMPLISHED USING EQUALIZATION SLINGS WHERE ALL LIFTING ANCHORS ARE TO BE ENGAGED DURING LIFTING. MINIMUM 60° SLING ANGLE REQUIRED.

**SHIPPING:**

- 1) NO UNIT SHALL BE SHIPPED UNTIL THE REQUIRED 28-DAY STRENGTH HAS BEEN ATTAINED.
- 2) EACH UNIT SHALL BE CLEARLY MARKED WITH THE MARKINGS DESCRIBED ABOVE UNDER "PRODUCT ON SCHEDULE".
- 3) ALL MARKINGS SHALL BE INDELIBLE AND SHALL BE PLACED ON A SURFACE WHICH WILL NOT BE EXPOSED TO VIEW, AFTER CONSTRUCTION IS COMPLETE.

**MISCELLANEOUS NOTES:**

- 1) PANEL LIFTING INSERTS TO BE DAYTON SUPERIOR P-52 8x13 3/8" SWIFT LIFT HDG ANCHOR.
- 2) LIFTING TO BE ACCOMPLISHED USING DAYTON SUPERIOR P-50 8T SWIFT LIFT LIFTING EYE.
- 3) ALL FEMALE END TIE BARS TO BE #6 SUPERIOR DB-SAE COUPLERS (3/8"-9UNC THREAD).
- 4) ALL MALE END TIE BARS TO BE #6 SUPERIOR DI "DOWEL-INS" (3/8"-9UNC THREAD).
- 5) CONTRACTOR SUPPLIED ITEMS INCLUDE THE FOLLOWING:  
 A) STRUCTURAL GROUT USED FOR TRANSVERSE & LONGITUDINAL CONNECTIONS.  
 B) BEDDING GROUT FOR UNDER SLAB.  
 C) STRUCTURAL GROUT FOR ALL LIFTING POCKETS.  
 D) CABLES/SHACKLES/UNEQUAL LENGTH SLINGS FOR UNLOADING & SETTING.  
 E) GROUT PUMP.  
 F) DEMO SAW TO SAW CUT JOINTS.  
 G) HIGHWAY JOINT SEALING MATERIAL, AS PER SPECIFICATION.  
 H) BCND BREAKING AGENT.  
 I) BACKER ROD  
 J) GREAT STUFF FOAM OR GROUT DAM MATERIAL.

**SHIP LOOSE:**

- 1) P-50 8T SWIFT LIFTING EYE (TO BE RETURNED) - (8) EA ITEM# 5338
- 2) 1" x 1" FOAM GASKET MATERIAL - (30) FT ITEM# 17863
- 3) FOAM GASKET GLUE - (1) QT ITEM# 21999
- 4) TECHNICAL SUPPORT ITEM# 7026
- 5) #6 DAYTON SUPERIOR D-108 HEADED EPOXY DOWEL-INS @ 6 3/4" LONG - (54) EA ITEM# XXX

\*ALL PRODUCTS MARKED "TO BE RETURNED" WILL BE RETURNED TO FORT MILLER VIA COMMON CARRIER AT THE EXPENSE OF THE CONTRACTOR.

RECEIVED

MAR 31 2011

COLD RIVER BRIDGES LLC

SHT #	TITLE	REV #
1	NOTE SHEET	1
2	PLAN & SECTION DETAILS	1
3	UNIT PLAN, REINFORCEMENT & SECTION DETAILS	1

MK #	QTY	AREA	VOL	WT
	ea	sf	cy	tons
S8-1	1	127.74	5.91	11.97
S8-2	1	134.37	6.22	12.59
S8-3	1	194.19	8.99	18.20
S8-4	1	177.22	8.20	16.62
S8-5	1	127.74	5.91	11.97
S8-6	1	134.37	6.22	12.59
S8-7	1	194.19	8.99	18.20
S8-8	1	177.22	8.20	16.62

RECEIVED  
 CK'D BY: [Signature] OK'D BY: [Signature]  
 APR 04 2011  
 RESUBMIT APPROVED BY: [Signature]  
 BY: CPW DATE 4/14/11

\*SUPER-SLAB® IS PROTECTED UNDER AT LEAST ONE OF US PATENT NUMBERS; 6,607,329 B2, 6,663,315, 6,709,192 AND 6,899,489 AND OTHER U.S. AND FOREIGN PATENTS PENDING. SUPER-SLAB® IS A REGISTERED US TRADEMARK OWNED BY THE FORT MILLER CO., INC.

**NOTE TO CONTRACTOR:**  
 THIS SHOP DRAWING REPRESENTS OUR INTERPRETATION OF THE PLANS AND SPECIFICATIONS, AND OUR CONTRACTUAL OBLIGATIONS FOR THIS PROJECT. PRIOR TO THE MANUFACTURE OF ANY ITEM FOR THIS PROJECT, ALL DIMENSIONS, METHODS OF CONSTRUCTION AND EXISTING CONDITIONS MUST BE CHECKED, CORRECTED AND/OR APPROVED BY OUR CUSTOMER. NO ITEM WILL BE SCHEDULED FOR PRODUCTION UNTIL WE HAVE BEEN NOTIFIED IN WRITING THAT OUR DRAWINGS HAVE BEEN APPROVED FOR FABRICATION. APPROVAL DELAYS WILL RESULT IN FABRICATION DELAYS. ANY ITEM THAT IS FABRICATED IN ACCORDANCE WITH APPROVED SHOP DRAWINGS THAT DOES NOT FIT THE CUSTOMER'S REQUIREMENTS WILL BE REMADE AND SHIPPED TO THE PROJECT ONLY AT THE CUSTOMER'S EXPENSE. AND ONLY AFTER RECEIPT OF A PURCHASE ORDER TO COVER THE ADDED EXPENSE. WE ASSUME NO RESPONSIBILITY FOR THE ALTERING OF OUR PRODUCTS TO ACCOMMODATE OTHER TRADES UNLESS REQUIRED INFORMATION IS FURNISHED AND SHOWN ON OUR SHOP DRAWINGS AT THE TIME THEY ARE APPROVED FOR FABRICATION BY OUR CUSTOMER.

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3-28-11	TDS	PER ENG. COMMENTS, T.O.C., T.O.U.	
NO.	DATE	BY	REVISIONS
THE FORT MILLER Co., Inc. P.O. BOX 98 SCHULERVILLE, NY 12871 (518) 695-5000 (518) 695-4970 FAX WWW.FORTMILLER.COM		F.M. JOB NO. 12511	
PROJECT LOCATION:	TOWN OF CHESTER - ROUTE 103	DATE: 2-21-11	
PROJECT:	BRF 025-1(28) - BRIDGE #8	DRN. BY: TDS	
SUBJECT:	NOTE SHEET	CHK. BY: SDH	
CONTRACTOR:	COLD RIVER BRIDGES, LLC.	SCALE: NONE	
CONTRACTOR ADDRESS:	PO BOX 1076 WALPOLE, NH 03608	SHEET NO. 1 OF 3	
ENGINEER/ARCHITECT:	VAOT	DWG. NO. S1	