

**WW-1 Wing Wall Details**

**WW-2 Wing Wall Details**

**WW-3 Wing Wall Details**

**Typical Wing Wall Rebar**

Mark	Size	Qty	Length	Type	B	C
BA1	#4	18"	Vertical	Straight		
BA2	#4	18"	Vertical	Straight		
BA3	#7	10"	Vertical	Straight		
BA4	#7	10"	Vertical	Straight	20"	20"
BA5	#7	10"	Vertical	Straight	20"	20"
BA6	#5	12"	Vertical	Straight		
CA1	#5	12"	Horizontal	Straight	30"	30"
CA2	#5	12"	Horizontal	Straight	20"	20"
CA3	#5	12"	Horizontal	Straight	20"	20"
CA4	#5	12"	Horizontal	Straight		
CA5	#5	18"	Vertical	Straight		
CA6	#5	18"	Vertical	Straight	14"	14"
CA7	#5	18"	Vertical	Straight	140"	140"

**Wing Wall - Rigid Frame Key Way**

**Typical Footing (1-5) Rebar**

Notes:  
1. Design is in accordance with ASTM C1413 and ACI 308.4R-03 Bridge Design Specifications.  
2. Design Load = AASHTO HS-20  
3. Concrete Strength = 3,000 psi Min.  
4. Reinforcing Steel = ASTM A615, Grade 60  
5. Reinforce and fabricate in accordance with ACI 308.4R-03.  
6. All "W" Dimensions are Vertical.

**FT-1 Footing Details**

**FT-2 Footing Details**

**FT-3 Footing Details**

**Typical Footing (6/7) Rebar**

**FT-4 Footing Details**

**FT-5 Footing Details**

**FT-6/7 Footing Details**

**CONTRACTORS VISEP**

**RECEIVED**  
OK'D BY: ELC  
OCT 17 2011  
RESUBMIT APPROVED  
BY: RSY DATE: 1-17/2011

PRECAST CONCRETE RIGID FRAME SHOP DRAWINGS

SUPERVISOR: T. BROUSSEAU  
DETAILER: C. DUPRANTIS  
CHECKER: T. BROUSSEAU  
ENGINEER: ENGINEERING VENTURES

PROJECT NAME: ROXBURY BRIDGE  
PROJECT NUMBER: CR 0187 (S)  
LOCATION: ROXBURY, VT  
BRIDGE: #22 ON ROUTE 12A

CONTRACTOR: LUKK BROTHERS INC.  
163 INDUSTRIAL AVE.  
PLATTSBURG, NY 12901  
Ph: (518) 561-4321

FABRICATOR: SD Ireland  
163 INDUSTRIAL AVE.  
WILSTON, VT 05495  
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Precast Division

10/17/11 WING WALLS 1-3, FOOTINGS 1-6 & REBAR DETAILS 3 OF 3