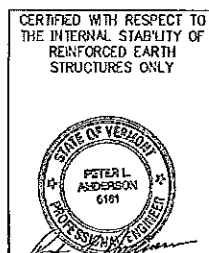


PANEL THICKNESS (SEE NOTE 6 BELOW)	REINFORCEMENT DESIGNATION	PANEL REINFORCEMENT (EPOXY COATED)	MAXIMUM FACTORED HORIZONTAL STRESS AT FACING (kPa)
140	R6	6-10M(#3) ϕ VERT. 4-13M(#4) ϕ HORIZ.	103 kPa
140	R7	6-13M(#4) ϕ VERT. 4-19M(#6) ϕ HORIZ.	165 kPa

- NOTES:**
- REINFORCING STEEL TO BE A615M GRADE 420, EPOXY COATED IN ACCORDANCE WITH SECTIONS 507 & 723.
 - 28 DAY COMPRESSIVE STRENGTH OF CONCRETE = 35 MPa
 - 10 mm x 10 mm CHAMFER SHALL BE PROVIDED ON ALL EXPOSED EDGES (FRONT FACE ONLY).
 - ALL PANEL TYPES AND OTHER RELATED ELEMENTS WILL BE DETAILED ON SHOP DRAWINGS.
 - ALL PANELS SHALL HAVE TWO LIFTING INSERTS OF ONE-TON CAPACITY EACH.
 - PANEL DESIGN THICKNESS IS 140 mm. PANELS & CORNER ELEMENTS SHALL HAVE A SMOOTH FORM FINISH.
 - BEARING BLOKS SHALL BE EPDM RUBBER PADS WITH DUROMETER HARDNESS OF 80±5, CONFORMING TO ASTM D2000.
 - SHIMS SHALL BE EPDM RUBBER PADS WITH DUROMETER HARDNESS OF 80±5, CONFORMING TO ASTM D2000. NOMINAL DIMENSION OF SHM IS 50mm X 85mm X 5mm THICK.
 - SEE REINFORCED EARTH COMPANY CONSTRUCTION MANUAL FOR ADDITIONAL INFORMATION.
 - TE STRIPS SHALL BE 10 GAUGE X 50mm, ASTM A1011 SS, GRADE 345 FORMERLY (ASTM A-570), AND GALVANIZED IN ACCORDANCE WITH ASTM A123.
 - REINFORCING STRIPS SHALL BE 50mm x 4mm RIBBED, A-572, GRADE 450, AND GALVANIZED IN ACCORDANCE WITH ASTM A123.
 - BEARING BLOKS SHALL BE EPDM RUBBER PADS WITH DUROMETER HARDNESS OF 80±5, CONFORMING TO ASTM D2000.
 - FILTER CLOTH SHALL BE NON-WOVEN MEETING THE REQUIREMENTS FOR CLASS 3 FOR NON-WOVEN GEOTEXTILES UNDER AASHTO M288 SPECIFICATIONS.

RECEIVED
 CR'D BY: [Signature] OK'D BY: [Signature]
 AUG 18 2010

RESUBMIT APPROVED
 BY: CPW DATE: 8/26/10



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The design contained on these drawings is based on information provided by the owner. On the basis of this information, The Reinforced Earth Company has designed, and is responsible for the internal stability of the structure only. External stability, including foundation (bearing capacity and settlement) and slope stability (sliding and rotation), is the responsibility of the owner.

REINFORCED EARTH
 8815 Woodland Drive, Verona, VA 20131 (909) 512-1212

DESIGNED BY: MS
 PROJECT ENGINEER: LY
 CHECKED BY: LY
 DATE: 8/16/10

REVISIONS: REVERSE NOTE REFERENCE

REV	DATE	DESCRIPTION	DRAWING CODE
1		STANDARD PANEL DETAILS	

PROJECT NAME: VT ROUTE 107, BRIDGE 9
 LOCATION: STOCKBRIDGE, VERMONT
 CONTRACT NO.: RE-14697
 DRAWING NO.: 16 OF 16
 SCALE: AS SHOWN
 DATE: 07/16/2010