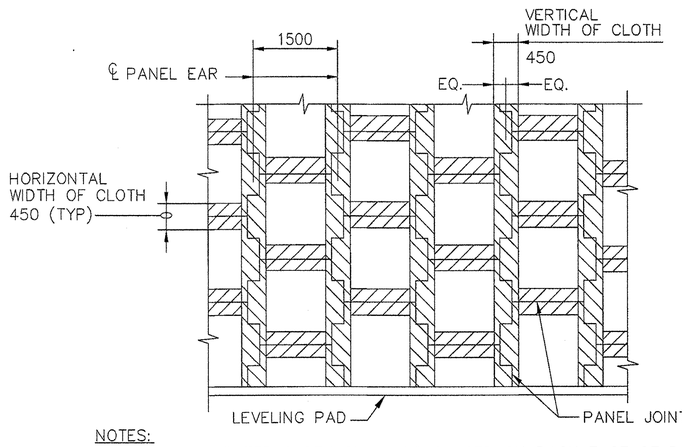
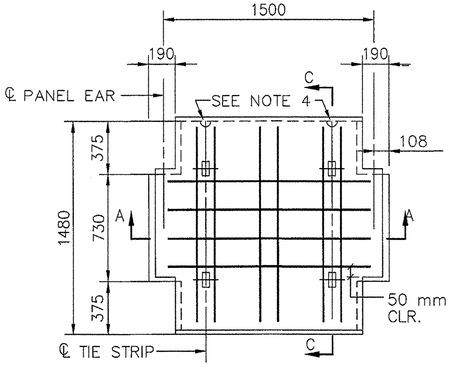


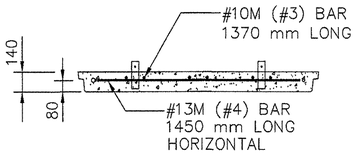

NOTES:

1. STRIPS OF FILTER CLOTH SHALL BE PLACED ON BACK FACE OF PANEL, OVER PANEL JOINTS. FILTER CLOTH SHALL BE ADHERED TO BACK FACE OF PANELS USING AN ADHESIVE COMPOUND SUPPLIED BY THE REINFORCED EARTH COMPANY.
2. ⚠ THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER WITH THE MANUFACTURERS TECHNICAL DATA SHEET AND APPLICATION INSTRUCTIONS FOR THE ADHESIVE COMPUND.

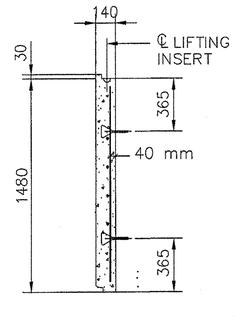
## FILTER CLOTH DETAIL
## PARTIAL ELEVATION – BACK FACE
SCALE 1:50




## PANEL TYPE "A"
## WITH R6 REINFORCEMENT
## FRONT VIEW
SCALE 1:20




## SECTION A–A
SCALE 1:20

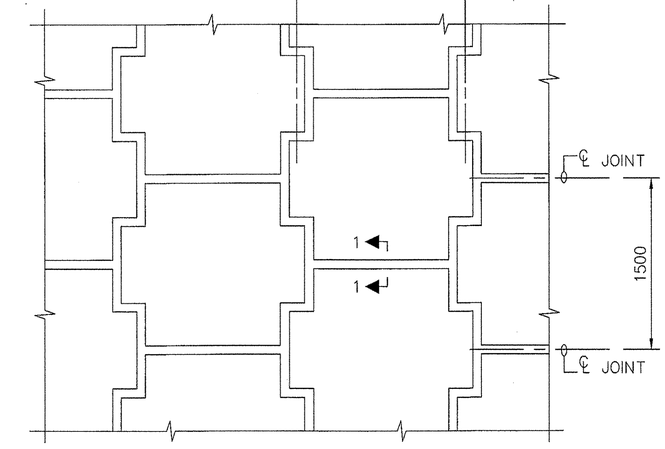



## SECTION C–C
SCALE 1:20

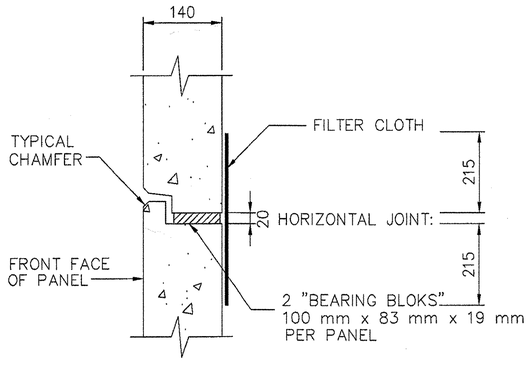
| PANEL THICKNESS | REINFORCEMENT DESIGNATION | PANEL REINFORCEMENT | MAXIMUM ALLOWABLE HORIZONTAL STRESS AT FACING (KPa) |
|---|---|---|---|
| 140 | R6 | 6–10M(#3) ø VERT.<br>4–13M(#4) ø HORIZ. | 77 kPa |
| | R7 | 6–13M(#4) ø VERT.<br>4–20M(#6) ø HORIZ. | 122 kPa |

NOTES:

1. REINFORCING STEEL TO BE A615 GRADE 420. EPOXY COATED
2. 28 DAY COMPRESSIVE STRENGTH OF CONCRETE = 27.6 MPa
3. 10 mm x 10 mm CHAMFER SHALL BE PROVIDED ON ALL EXPOSED EDGES (FRONT FACE ONLY).
4. ALL PANEL TYPES AND OTHER RELATED ELEMENTS WILL BE DETAILED ON SHOP DRAWINGS.
5. ALL PANELS SHALL HAVE TWO LIFTING INSERTS OF ONE TON CAPACITY EACH.
6. FACING PANEL FINISH SHALL BE AN ASHLAR STONE FORM LINER FINISH. THE CONCRETE SHALL BE COLORED WITH DYE (BAYFERROX 330, 3.5% – HEAT STABLE).
   ⚠ THE FINISHED PRODUCT SHALL BE DISPLAYED AS A TEST PANEL AND SHALL BE APPROVED BY VTRANS PRIOR TO COMMENCING PRECASTING OF THE PANELS TO BE USED IN THE WALL CONSTRUCTION. THE APPROVED TEST PANEL SHALL BE USED AS A BENCHMARK FOR THE CORRECT COLOR, SHADE THROUGHOUT THE PRECASTING OPERATION.
7. PANEL DESIGN THICKNESS IS 140 mm.
8. BEARING BLOKS SHALL BE EPDM RUBBER PADS WITH DUROMETER HARDNESS OF 80±5, CONFORMING TO ASTM D2000.
9. SHIMS SHALL BE EPDM RUBBER PADS WITH DUROMETER HARDNESS OF 80±5, CONFORMING TO ASTM D2000. NOMINAL DIMENSION OF SHIM IS 50mm X 85mm X 5mm THICK.
10. SEE CONSTRUCTION MANUAL FOR ADDITIONAL INFORMATION.

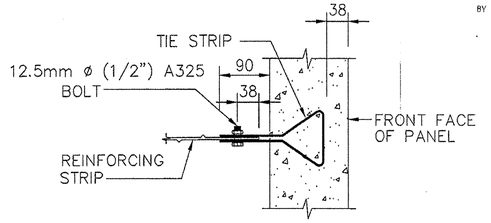



## TYPICAL PANEL LAYOUT
## PARTIAL ELEVATION – FRONT FACE
SCALE 1:25




## SECTION 1–1
SCALE 1:5

ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE




## CONNECTION DETAIL
SCALE 1:5

RECEIVED
CK'D BY _____ OK'D BY LWS
AUG 15 2002
RESUBMIT _____ APPROVED LWS
BY CPW DATE 8/15/02

CERTIFIED WITH RESPECT TO THE INTERNAL STABILITY OF REINFORCED EARTH STRUCTURES ONLY

STATE OF VERMONT
PETER L. ANDERSON
8161
PROFESSIONAL ENGINEER
8-13-02



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 and slope stability, is the responsibility of the owner.

The Reinforced Earth Company
8614 Westwood Center Drive Suite 1100, Vienna, Virginia 22182 (703) 821-1175



| DESIGNED BY: | | | | PROJECT NAME | US ROUTE 5 – BARTON PN STP 0113(58)S | DATE |
|---|---|---|---|---|---|---|
| KPB | | | | | | 6–11–02 |
| PROJECT ENGR: KPB | | | | LOCATION | COUNTY OF ORLEANS VERMONT | CONTRACT NO. 15765 |
| CHECKED BY: PLA | ⚠ | 8/12/02 | REVISED PER VT AOT COMMENTS. | OWNER | VT AOT | DRAWING NO. 8 OF 8 |
| ENG. MANAGER | REV. | DATE | DESCRIPTION | DRAWING COVERS | STANDARD PANEL DETAILS | SCALE AS SHOWN |

C:\15765\FINAL\15765_STD