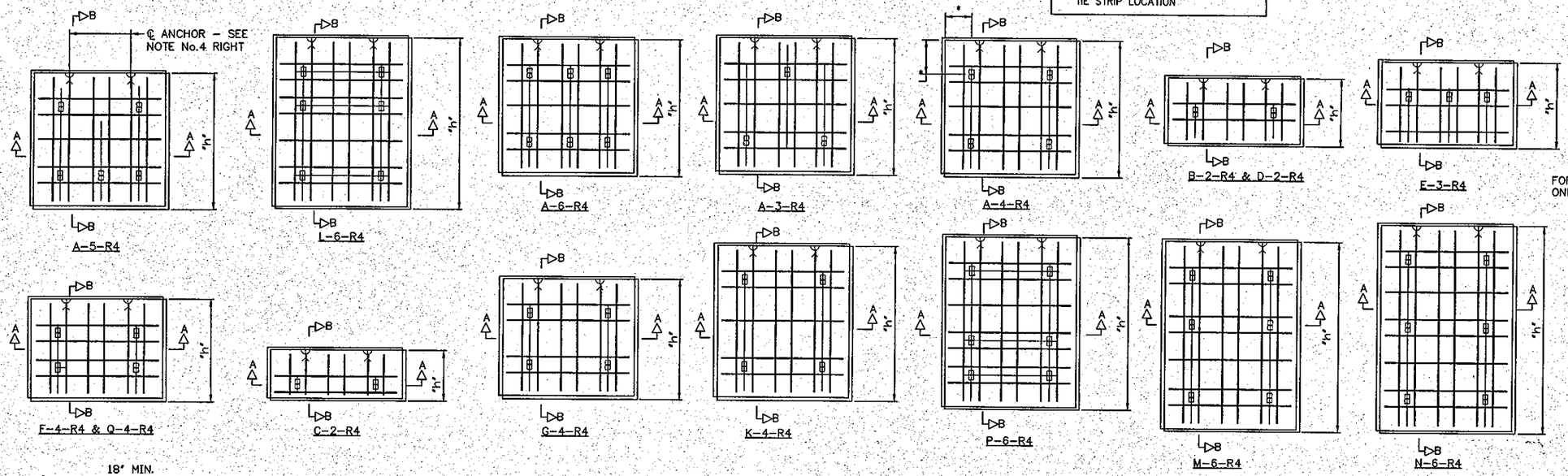
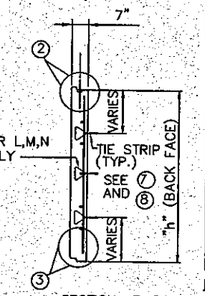
State	Project Number	Sheet No.	Total Sheets
GA	BHFST-0001-05(024)	—	—

* SEE SHOP DRAWINGS FOR TYPICAL TIE STRIP LOCATION



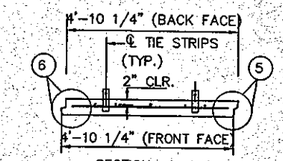
TYPICAL PANELS



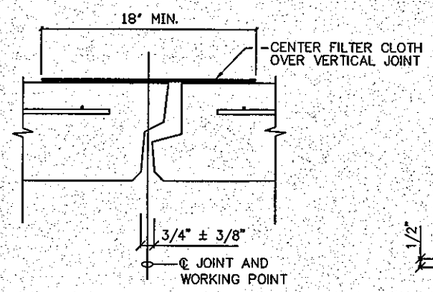
SECTION B-B

PANEL TYPE	"h"
A & H	4'-10 1/4"
B & D	2'-4 3/4"
C	1'-9 1/2"
E	3'-0 1/4"
F & Q	3'-7 1/2"
G	4'-3"
K	5'-5 3/4"
L & P	6'-1"
M	6'-8 1/2"
N	7'- 4"

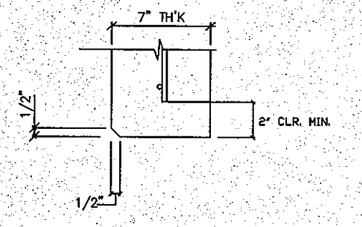
NOTE:
CONCRETE COVER ON ALL REINFORCEMENT TO BE 2" MIN.



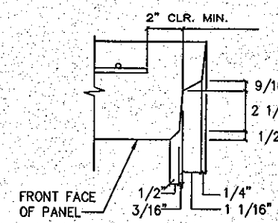
SECTION A-A



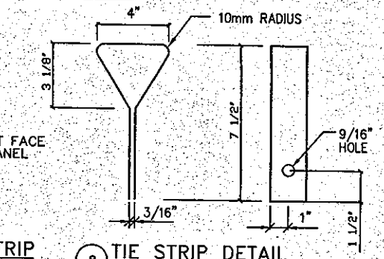
4 VERTICAL JOINT
SCALE 3"=1'-0"



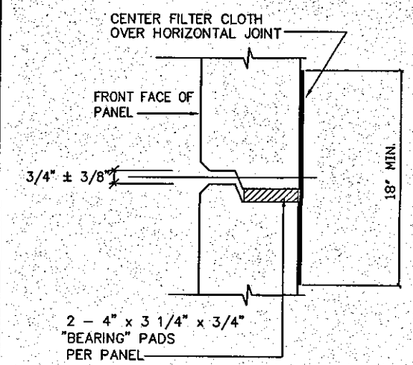
3 SECTION @ PANEL BOTTOM
SCALE 3"=1'-0"



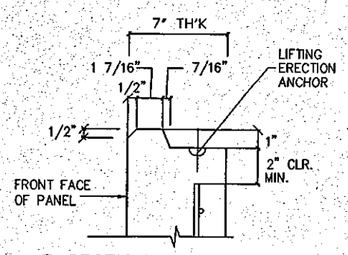
5 SECTION @ PANEL RIGHT SIDE
SCALE 3"=1'-0"



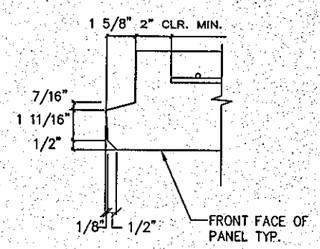
8 TIE STRIP DETAIL
SCALE 3"=1'-0"



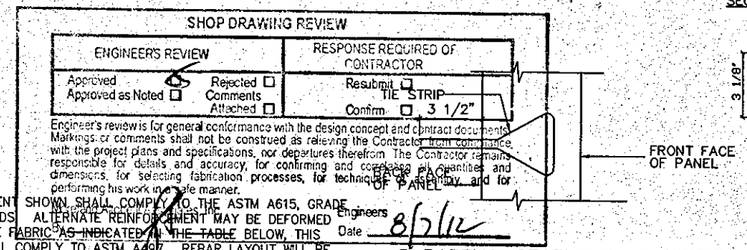
1 HORIZONTAL JOINT
SCALE 3"=1'-0"



2 SECTION @ PANEL TOP
SCALE 3"=1'-0"



6 SECTION @ PANEL LEFT SIDE
SCALE 3"=1'-0"



7 PARTIAL SECTION@ TIE STRIP
SCALE 3"=1'-0"

SHOP DRAWING REVIEW

ENGINEER'S REVIEW	RESPONSE REQUIRED OF CONTRACTOR
Approved ☒ Rejected ☐ Approved as Noted ☐ Comments Attached ☐	Resubmit ☐ Confirm ☐

Engineer's review is for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the Contractor from compliance with the project plans and specifications, nor departures therefrom. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, and for performing his work in a safe manner.

Engineers Date 8/7/12

NOTES:

1. REINFORCEMENT SHOWN SHALL COMPLY TO THE ASTM A615, GRADE 60 STANDARDS. ALTERNATE REINFORCEMENT MAY BE DEFORMED WELDED WIRE FABRIC ~~AS INDICATED IN THE TABLE~~ BELOW, THIS FABRIC SHALL COMPLY TO ASTM A497. REBAR LAYOUT WILL BE DETAILED AND SHOWN ON PANEL SHOP DRAWINGS, IF WELDED FABRIC IS TO BE USED THE SIZE SHOULD BE DETERMINED BASED ON THE PANEL SHAPE AND REQUIRED MINIMUM EDGE DISTANCE.
2. 1/2" x 1/2" CHAMFER SHALL BE PROVIDED ON ALL EXPOSED EDGES (FRONT FACE ONLY).
3. ALL PANEL TYPES AND OTHER RELATED ELEMENTS WILL BE DETAILED ON SHOP DRAWINGS.
4. ALL PANELS EXCEPT TYPES M, N, NII, NJJ, NI & NJ SHALL HAVE TWO BURKE 1–TON SPREAD ANCHORS. PANEL TYPES M, N, NII, NJJ, NI & NJ SHALL HAVE TWO BURKE 2–TON ERECTION HEAD ANCHORS WITH BOTH TENSION AND SHEAR BARS.
5. PANEL DESIGN STRUCTURAL THICKNESS IS 7" MINIMUM, THIS THICKNESS MUST INCREASE TO ACCOMMODATE ANY ARCHITECTURAL SCULPTURED FINISH.
6. ACTUAL LOCATION OF REBARS WILL BE ADJUSTED TO ACCOMMODATE PANEL CASTING.
7. PANEL REINFORCEMENT SHALL BE PLACED WITH A MINIMUM 1 3/16" CLEARANCE FROM THE TIE STRIPS.

PANEL THICKNESS	REINFORCEMENT DESIGNATION	PANEL REINFORCEMENT (FOR PANEL TYPE "A")	MAXIMUM ALLOWABLE HORIZONTAL STRESS AT FACING (KSF)
7" (MIN.)	R4	6–#3 VERTICAL 5–#3 HORIZONTAL	1.20
		WIRE MESH ALTERNATIVE 8 x D8 VERTCAL 8 x D8 HORIZONTAL	
	R6	5=#4 VERTICAL 5–#4 HORIZONTAL	1.90
		WIRE MESH ALTERNATIVE 8 x D8 + 4#3 VERTCAL 8 x D8 + 4#3 HORIZONTAL	

DATE: 8-9-12

Approved in general. Details not checked. This approval shall not relieve the Contractor of any responsibility for conformity with the contract Plans and Specifications.

Georgia DOT
Office of Bridge Design
By: DOT

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FINAL FOR CONSTRUCTION
7/27/12

PROJECT STATUS

REINFORCED EARTH®
25 Technology Parkway South, Suite 100, Norcross, GA 30092, (770) 242-9415
"REINFORCED EARTH" is a registered trademark of The Reinforced Earth Company.

GEORGIA REGISTERED No. PE002705 PROFESSIONAL ENGINEER VINCENT GUYOMARC'H 7/27/12

WALL SHEET OF

BY	REVISIONS	DATE
VG	REMOVED WALL 6A FROM SUBMITTAL	7/27/12

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION – BRIDGE DESIGN

US 41 OVER CHATTAHOOCHEE RIVER
COBB & FULTON COUNTIES

REINFORCED EARTH RETAINING WALL

STANDARD PANEL DETAIL

DESIGNED SLM	TRACED	REVIEWED	
DRAWN SLM	CHECKED VG	APPROVED FWF	

Z:\GEORGIA\15514 – US 41 over Chattahoochee River – SQR – E\PACKAGE 1 – WALLS 2&6A\15514, 07 –. STD.PANEL DETAIL (R1, 7–27–12).dwg