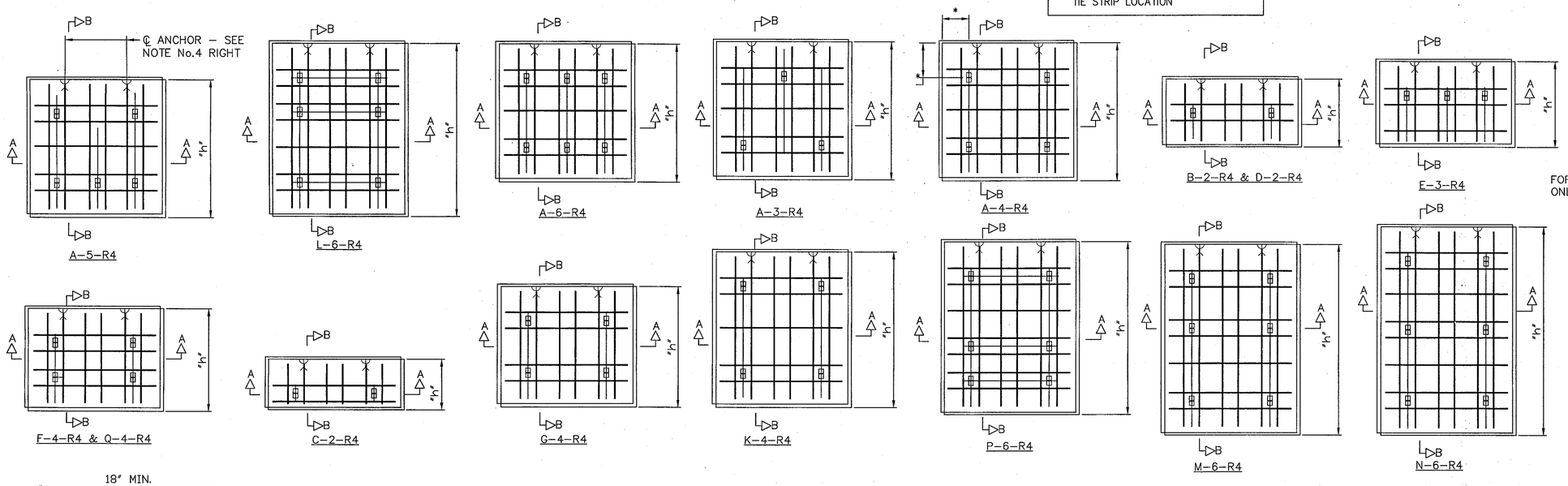
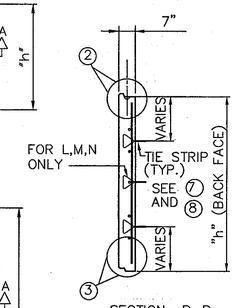
State	Project Number	Sheet No.	Total Sheets
GA	P.I. 0010126	—	—

* SEE SHOP DRAWINGS FOR TYPICAL TIE STRIP LOCATION



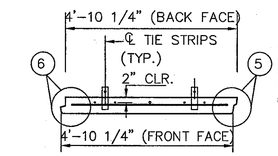
TYPICAL PANELS



SECTION B–B

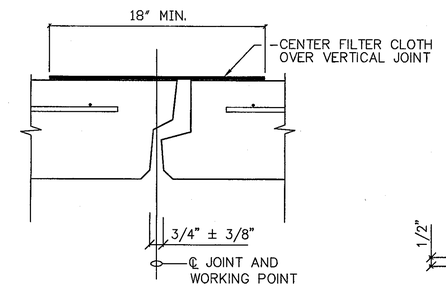
PANEL TYPE	"h"
A & H	4'–10 1/4"
B & D	2'–4 3/4"
C	1'–9 1/2"
E	3'–0 1/4"
F & Q	3'–7 1/2"
G	4'–3"
K	5'–5 3/4"
L & P	6'–1"
M	6'–8 1/2"
N	7'– 4"

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

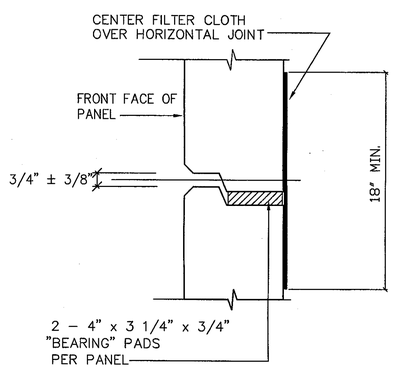


SECTION A–A

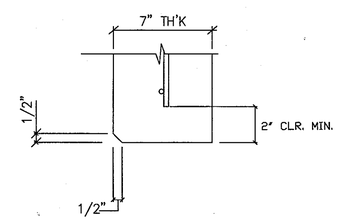
DATE: 1/30/13
Approved in general. Details not checked. This approval shall not relieve the Contractor of any responsibility for conformity with the contract Plans and Specifications.
Georgia DOT
Office of Bridge Design
By: TDF



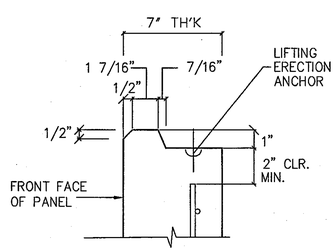
4 VERTICAL JOINT
SCALE 3"=1'–0"



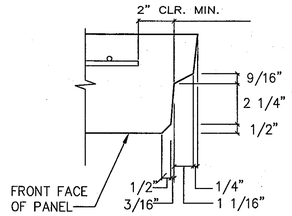
1 HORIZONTAL JOINT
SCALE 3"=1'–0"



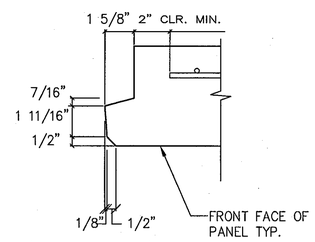
3 SECTION @ PANEL BOTTOM
SCALE 3"=1'–0"



2 SECTION @ PANEL TOP
SCALE 3"=1'–0"



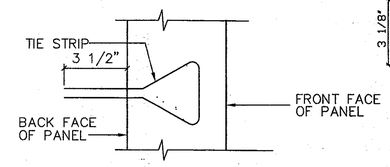
5 SECTION @ PANEL RIGHT SIDE
SCALE 3"=1'–0"



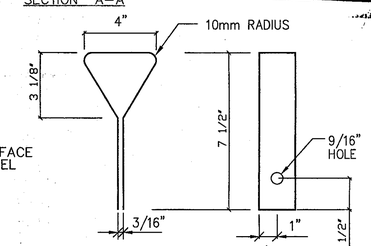
6 SECTION @ PANEL LEFT SIDE
SCALE 3"=1'–0"

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.



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



8 TIE STRIP DETAIL
SCALE 3"=1'–0"

PANEL THICKNESS	REINFORCEMENT DESIGNATION	PANEL REINFORCEMENT (FOR PANEL TYPE "A")	MAXIMUM FACTORED HORIZONTAL STRESS AT FACING (KSF)
7" (MIN.)	R4	6–#3 VERTICAL 5–#3 HORIZONTAL	1.6
		WIRE MESH ALTERNATIVE 8 x D8 VERTCAL 8 x D8 HORIZONTAL	
	R6	5=#4 VERTICAL 5–#4 HORIZONTAL	2.6
		WIRE MESH ALTERNATIVE 8 x D8 + 4#3 VERTCAL 8 x D8 + 4#3 HORIZONTAL	

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FINAL FOR REVIEW
SEPTEMBER 28, 2012

PROJECT STATUS

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GEORGIA REGISTERED No. 10711 PROFESSIONAL ENGINEER FRANK W. FORDHAM

WALL SHEET OF

DATE	BY	REVISIONS

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION – BRIDGE DESIGN

I–75 NORTH BOUND AUXILIARY LANES
HENRY COUNTY

REINFORCED EARTH RETAINING WALL

STANDARD PANEL DETAILS

DESIGNED SLM | TRACED | REVIEWED
DRAWN SLM | CHECKED VG | APPROVED FWF

Z:\GEORGIA\15619 – I–75 NB Aux Lanes – SQR – E\15619, 10 – STANDARD PANEL DETAILS.dwg