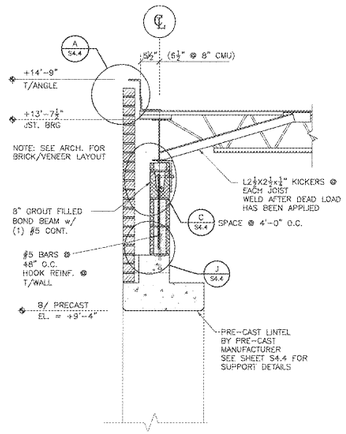
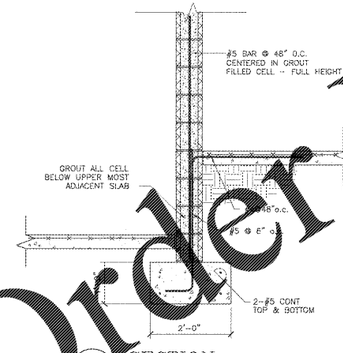
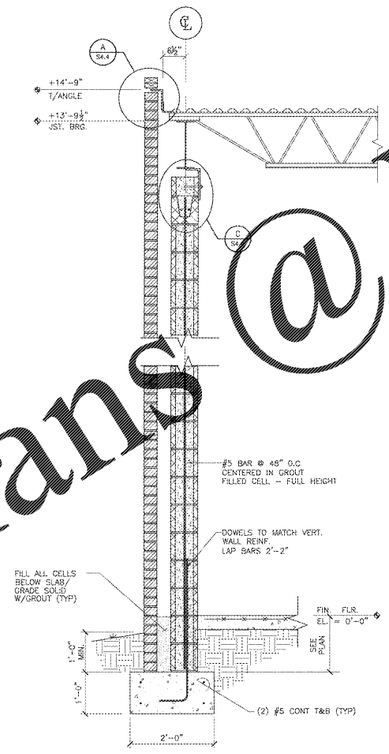


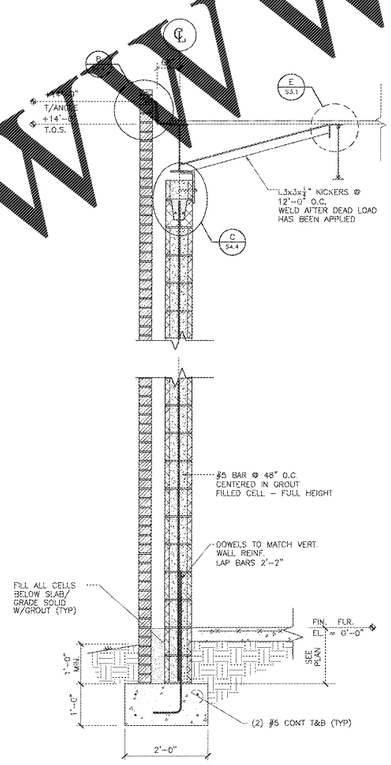
4 S3.4 WALL SECTION
SCALE: ¾"=1'-0"



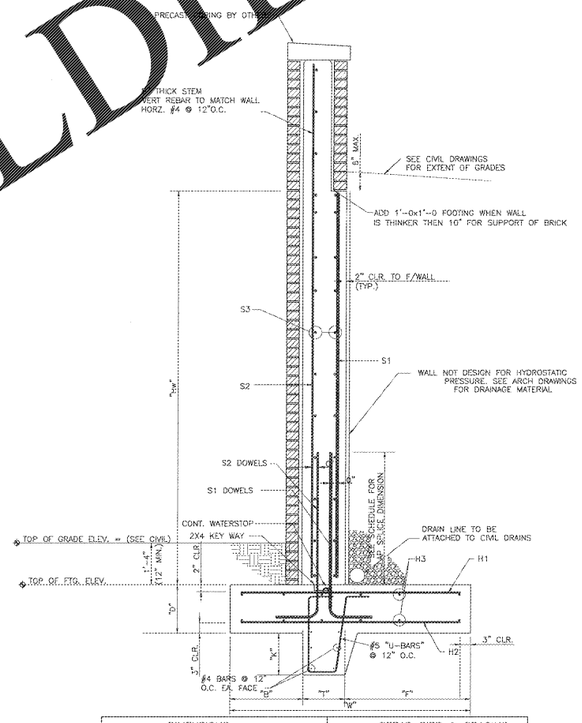
7 S3.4 SECTION
SCALE: ¾"=1'-0"



5 S3.4 WALL SECTION
SCALE: ¾"=1'-0"



6 S3.4 WALL SECTION
SCALE: ¾"=1'-0"



DIMENSIONS							REBAR SIZE & SPACING					
Hw	T	B	F	W	D	K	S1	S2	S3	H1	H2	H3
0' – 4'	0'-8"	1'-0"	2'-0"	3'-8"	1'-2"	--	#4@12	–	#4@16	#4@14	#4@14	#4@12
4' – 6'	1'-0"	1'-0"	4'-0"	6'-0"	1'-2"	--	#5@12	#4@12	#4@16	#4@14	#4@14	#4@12
6' – 8'	1'-0"	1'-6"	7'-8"	10'-0"	1'-2"	--	#5@9	#4@12	#4@16	#5@12	#5@12	#4@12
8' – 10'	1'-2"	2'-6"	9'-10"	13'-6"	1'-2"	--	#6@8	#4@12	#4@12	#5@12	#5@12	#4@12
10' – 12'	1'-2"	3'-0"	7'-10"	12'-0"	1'-6"	2'-0"	#7@8	#4@12	#4@12	#6@12	#6@12	#4@10
12' – 14'	1'-2"	3'-6"	8'-4"	13'-0"	1'-6"	2'-0"	#7@6	#4@12	#4@12	#6@12	#6@12	#4@10
14' – 16'	1'-2"	4'-0"	9'-7"	14'-9"	1'-6"	2'-6"	#7@5	#4@12	#4@12	#6@12	#6@12	#4@10

DESIGN DATA:

- 2000 PSF BEARING PRESSURE
- ASTM A615 GRADE 60 REINF.
- 4000 PSI CONCRETE
- SOIL DENSITY = 115 LB/FT3
- ACTIVE EARTH PRESSURE COEFFICIENT (Ka) = 0.36
- PASSIVE EARTH PRESSURE COEFFICIENT (Kp) = 2.17
- FRICTION FACTOR = 0.30
- C = 0
- SAFETY FACTOR FOR SLIDING = 1.5
- SAFETY FACTOR FOR UPLIFT / OVERTURNING = 1.5

10 S3.4 RETAINING WALL SECTION
SCALE: ¾"=1'-0"

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REVISIONS/ISSUANCES		
No.	DATE	DESCRIPTION
2	2.23.18	ADDENDUM #2

KEYPLAN

HAINES, GIPSON & ASSOCIATES
Consulting Engineers
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1855 NORTH BROWN ROAD
LAWRENCEVILLE, GEORGIA 30043
770-441-7500 FAX 441-7595

GEORGIA REGISTERED No. 19638 PROFESSIONAL ENGINEER RANDALL W. GIPSON

STATE OF GEORGIA REGISTERED ARCHITECT

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A Professional Corporation

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P.O. Box 880
Griffin, Georgia 30224

Office 770.227.5473
Fax 770.228.3442

PROJECT:
RENOVATIONS, MODIFICATIONS, & ADDITIONS TO HENRY COUNTY SCHOOLS-GROUP10
WOODLAND HIGH SCHOOL (ITEM C)
CLIENT:
HENRY COUNTY BOARD OF EDUCATION

SHEET TITLE:
WALL SECTIONS

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PROJECT NUMBER:	2017.31C
DATE:	06.07.18
SCALE:	AS NOTED
DRAWN BY:	DAD
CHECKED BY:	RWG

SHEET NO.:
S3.4