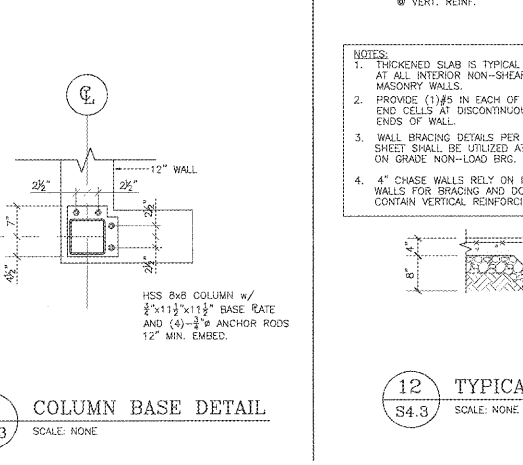
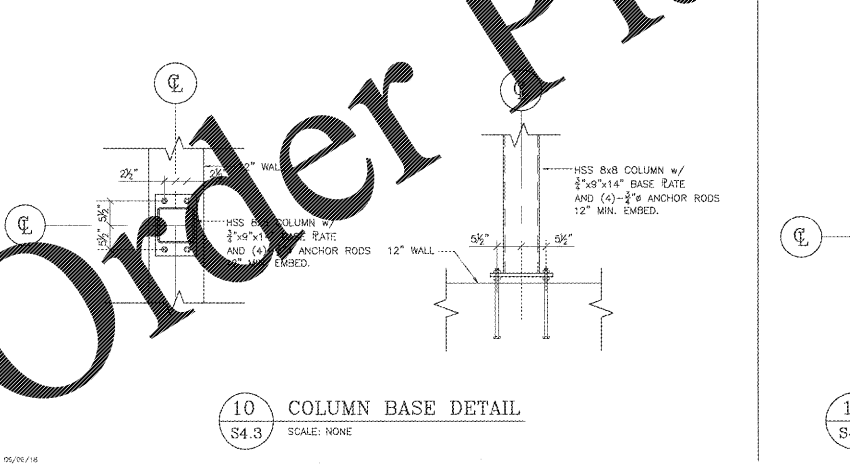
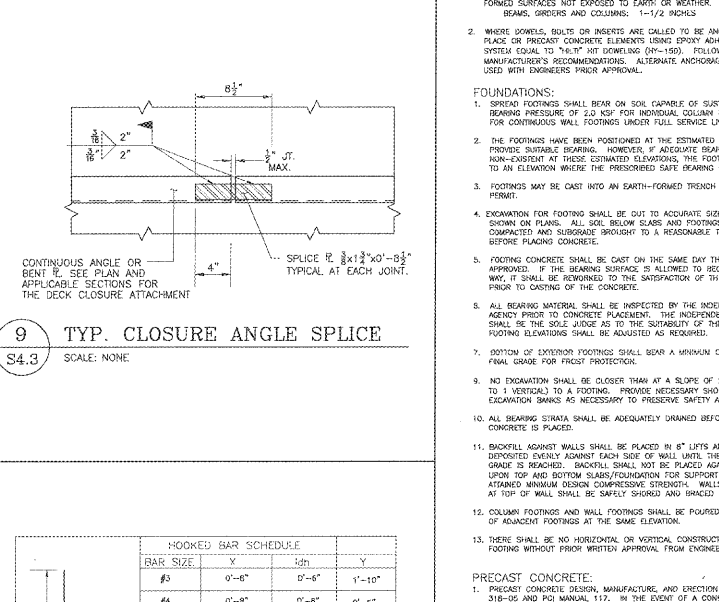
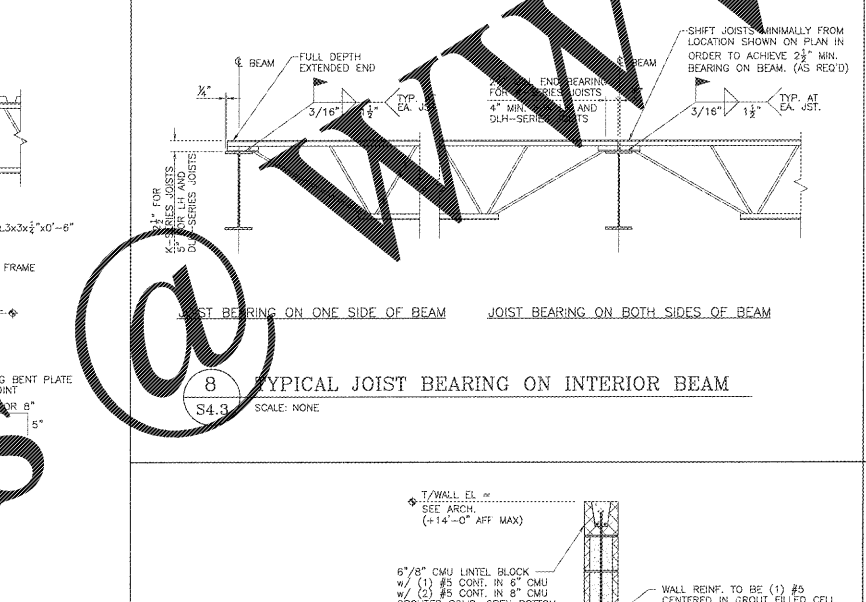
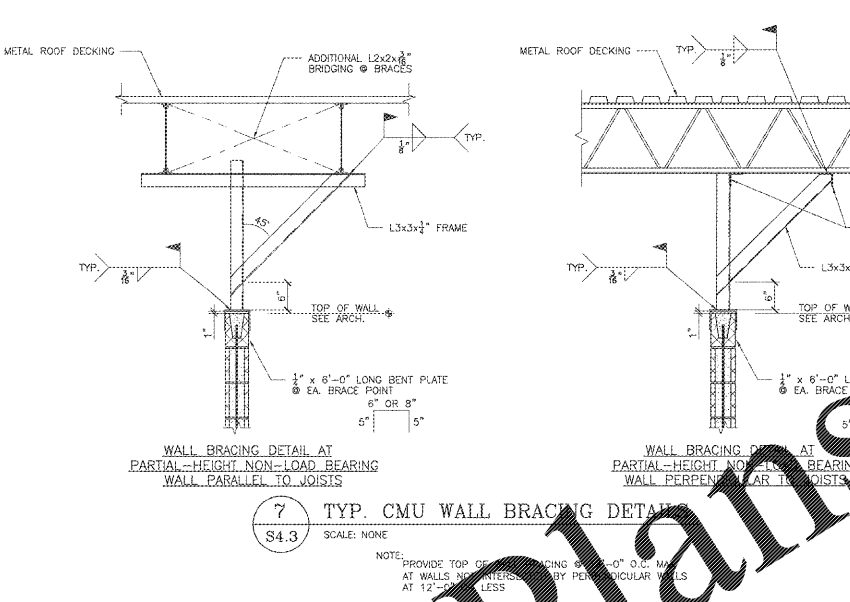


LOOSE ANGLE LINTELED SHELF

SPAN	ANGLE LINTELED
0' to 4'	L 5 X 3 1/2 X 1/4 (L.L.V.)
4' to 6'	L 5 X 3 1/2 X 1/2 (L.L.V.)
6' to 8'	L 5 X 3 1/2 X 3/8 (L.L.V.)

NOTES: 8" MIN. BEARING FOR ALL ANGLES, TYP. 12" MAXIMUM SPAN PER BRICK INSTITUTE AMERICAN STANDARD BUILDING CODE.



CONCRETE LAP SPLICE SCHED.

BAR SIZE	f _c = 3000 psi		f _c = 4000 psi	
	OTHER TOP BARS	OTHER TOP BARS	OTHER TOP BARS	OTHER TOP BARS
#3	22"	29"	19"	25"
#4	29"	36"	25"	32"
#5	36"	46"	31"	40"
#6	43"	56"	38"	49"
#7	63"	81"	55"	71"
#8	72"	94"	63"	81"
#9	81"	106"	70"	91"

REVISIONS/ISSUANCES

No.	DATE	DESCRIPTION

DESIGN:
BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE AMENDMENTS.
GENERAL DESIGN DATA:
DEAD LOAD: SEE ROOF FRAMING PLAN
LIVE LOAD: SEE ROOF FRAMING PLAN
GROUND SNOW LOAD: P_s = 5 PSF

ULTIMATE WIND SPEED (3-SECOND GUST) = 120 M.P.H.
MINIMUM WIND SPEED (3-SECOND GUST) = 83 M.P.H.
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT = +/- 0.18
COMPONENT & CLADDING PRESSURE = 23.2 PSF

SEISMIC - SEISMIC OCCUPANCY CATEGORY = III
S_w = 1.25
S_v = 0.150
S_d = 0.133
S_i = 0.087
SITE CLASS = D
SEISMIC DESIGN CATEGORY = C

SEISMIC RESISTING SYSTEM:
BUILDING FRAME SYSTEM
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
R = 4.0 C_d = 4.0
ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE

MISCELLANEOUS:
1. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONFLICTS AND SHALL NOTIFY ARCHITECT OF ANY CONFLICTS OR OMISSIONS.
3. WHERE A SECTION/DETAIL IS CALLED OUT IN THE DRAWINGS IT IS UNDERSTOOD TO BE REPRESENTATIVE OF ALL LIKE SIMILAR SECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY CONFLICTS WITH THE ARCHITECT AND WORK.
4. THE CONTRACTOR SHALL VERIFY ALL AND ALL MOUNTED MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND LOADINGS.
5. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, AND LOCATION OF EXPOSURE. CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL DRAWINGS TO VERIFY ANY DISCREPANCY TO THE ARCHITECT'S INTENT. FABRICATE OR INSTALLING STRUCTURAL MEMBERS.
6. IF STRENGTHENING IS REQUIRED WITH ASTM A 325 AND A 305/ASCE 6/TMS 602, THE GROUP LENGTH SHALL BE 7' MIN. OF MASONRY PER SPECIFICATIONS BUT NOT LESS THAN 200 PLY.
7. A 1/2" MIN. AREA COMPRESSIVE STRENGTH OF MASONRY (f_m) OF 2000 PSI IS REQUIRED FOR ALL REINFORCED MASONRY CONSTRUCTION. STRENGTH SHALL BE VERIFIED BY THE UNIT STRENGTH METHOD ACI 318/ASCE 6/TMS 602.

SUBMITTALS:
1. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS FOR CONFORMANCE WITH THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR DESIGN AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PREVISIONS IN THE CONTRACT DOCUMENTS DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS AND CONTRACT SUPPLIERS.
2. THE USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, FURNISHER, FABRICATOR OR MATERIAL SUPPLIER IN LIEU OF INFORMATION SHOWN HEREON AS CORRECT AND COMPLETE IS HELD TO BE AN UNLAWFUL ACT. ANY REPRODUCTION OF THESE CONTRACT DOCUMENTS WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER OF RECORD, ADDITIONALLY, THE CONTRACTOR MAY BE SUBJECT TO FINANCIAL CHARGES FOR THE CLIENT OR ORIGINATOR OF THE DOCUMENTS.

CONCRETE:
1. MINIMUM CONCRETE COVER UNLESS NOTED OTHERWISE:
#3 BARS AND SMALLER: 3/4 INCHES
#4 BARS AND LARGER: 1 INCHES
#5 BARS AND SMALLER: 1-1/2 INCHES
SLAB, WALLS AND JOISTS: 1/4 INCHES
FORMED SURFACES NOT EXPOSED TO WEATHER:
BEAMS, GIRDERS AND COLUMNS: 1-1/2 INCHES
2. WHERE DOWELS, BOLTS OR INSERTS ARE CALLED TO BE ANCHORED TO CAST IN PLACE OR PRECAST CONCRETE ELEMENTS USING EPOXY ADHESIVE, USE ANCHORAGE SYSTEMS TOUL TO "AS NOTED" FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS. ALTERNATE ANCHORAGE SYSTEMS MAY BE USED WITH ENGINEER'S PRIOR APPROVAL.

FOUNDATIONS:
1. SPREAD FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING A NET ALLOWABLE BEARING PRESSURE OF 2.0 KSF FOR INDIVIDUAL COLUMN FOOTINGS AND 2.0 KSF FOR CONTINUOUS WALL FOOTINGS UNDER FULL SERVICE LIVE AND DEAD LOAD.
2. THE FOOTINGS HAVE BEEN POSITIONED AT THE ESTIMATED ELEVATION WHICH WILL PROVIDE SUFFICIENT BEARING CAPACITY. HOWEVER, IF ADEQUATE BEARING CAPACITY NON-EXISTENT AT THESE ESTIMATED ELEVATIONS, THE FOOTING SHALL BE LOWERED TO AN ELEVATION WHICH PROVIDES SUFFICIENT BEARING CAPACITY. VERIFY SOIL CONDITIONS PERMIT.
3. FOOTINGS MAY BE CAST INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT.
4. EXCAVATION FOR FOOTING SHALL BE CUT TO ESTIMATED SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBSEQUENTLY BROUGHT TO A REASONABLE AND LEVEL PLANE BEFORE PLACING CONCRETE.
5. FOOTING CONCRETE SHALL BE CAST ON THE SAME DAY THE EXCAVATION IS APPROVED. IF THE BEARING SURFACE IS ALLOWED TO BECOME DISTURBED IN ANY WAY, IT SHALL BE REWORKED TO THE SATISFACTION OF THE TESTING ENGINEER PRIOR TO CASTING OF THE CONCRETE.
6. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SATISFACTION OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS NECESSARY.
7. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 1'-0" BELOW FINISH GRADE FOR PROTECTIVE PROTECTION.
8. NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2:1 (2 HORIZONTAL TO 1 VERTICAL) TO A FOOTING. PROVIDE NECESSARY SHORING AND PROTECTION FOR EXCAVATION SHALLS AS NECESSARY TO PRESERVE SAFETY AND PREVENT COLLAPSE.
9. ALL BREAKING STRATA SHALL BE ADEQUATELY DRAINED BEFORE FOUNDATION CONCRETE IS PLACED.
10. BACKFILL AGAINST WALLS SHALL BE PLACED IN 8" LIFTS AND SHALL BE DEPOSITED EVENLY AGAINST EACH SIDE OF WALL UNTIL THE LOWER FINISH GRADE IS REACHED. BACKFILL SHALL NOT BE PLACED AGAINST WALLS EXCEPT UPON TOP AND BOTTOM SLABS/FOUNDATIONS FOR SUPPORT UNTIL SUCH SLABS HAVE ATTAINED MINIMUM DESIGN COMPRESSIVE STRENGTH. WALLS WITH SLAB ON GROUND AT TOP OF WALL SHALL BE SAFELY SHORED AND BRACED DURING BACKFILLING.
11. COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE POURED MONOLITHIC WITH TOPS OF ADJACENT FOOTINGS AT THE SAME ELEVATION.
12. THERE SHALL BE NO HORIZONTAL OR VERTICAL CONSTRUCTION JOINTS IN ANY FOOTING WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER.

PRECAST CONCRETE:
1. PRECAST CONCRETE DESIGN, MANUFACTURE, AND ERECTION SHALL CONFORM TO ACI 318-05 AND PCI MANUAL 117. IN THE EVENT OF A CONFLICT BETWEEN THE PCI MANUAL AND THE GENERAL NOTES AND/OR THE SPECIFICATIONS, THE GENERAL NOTE AND SPECIFICATIONS CONTROL.
2. THE DESIGN OF ALL PRECAST ELEMENTS AND THEIR CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE PRECAST SUPPLIER AND ITS SPECIALLY DESIGN ENGINEER LICENSED IN GEORGIA. SUBMIT CALCULATIONS OF PRECAST PANELS, BEAMS AND DECKING AND THEIR CONNECTIONS SEALED BY A REGISTERED ENGINEER LICENSED IN GEORGIA. REVIEW OF CALCULATIONS AND SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO DESIGN LOADS AND ATTACHMENT LOCATIONS TO THE STRUCTURE. SUCH REVIEW SHALL NOT RELIEVE THE PRECAST SUPPLIER AND ITS LICENSED ENGINEER OF THE FULL RESPONSIBILITY FOR THE DESIGN OF THE PRECAST PANELS AND BEAMS AND PRECAST CONNECTIONS NOT SPECIFIED IN THE CONTRACT DOCUMENTS. THE STRUCTURAL ENGINEER OF RECORD SHALL REMAIN RESPONSIBLE FOR THOSE DETAILS SHOWN IN THE STRUCTURAL CONTRACT DOCUMENTS.
3. CONNECTIONS BETWEEN PANELS AND DETAILS OF CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE PRECAST SUPPLIER AND ITS LICENSED ENGINEER IN COORDINATION WITH THE PANEL AND BEAM DESIGN ENGINEER. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW PRIOR TO THE ERECTION. THE ENGINEER OF RECORD SHALL REVIEW AND APPROVE SHOP DRAWINGS THAT ADEQUATELY DETAIL THE ARCHITECTURAL, PRECAST PANEL, AND BEAM ATTACHMENT LOCATION TO THE STRUCTURE. THE EXTENT OF THE REVIEW IS DEFINED UNDER ITEM #2 ABOVE.
4. EFFECTS TO BE CONSIDERED BY THE PRECAST SUPPLIER AND ITS LICENSED ENGINEER IN THE DESIGN OF THE PRECAST ELEMENTS AND CONNECTIONS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
DIFFERENTIAL TEMPERATURE BETWEEN PANEL FACES
LATERAL SWAY PRESSURE
ECCENTRIC PANEL WEIGHT
DIRECTION LOADS
LOAD COMBINATIONS SHALL BE IN ACCORDANCE WITH ACI 318. TYPICAL LOAD COMBINATIONS TO BE USED AS A MINIMUM ARE AS FOLLOWS:
1' CU BRICK 40 PSF
4" CMU 23 PSF
6" CMU 32 PSF
8" CMU 40 PSF
12" CMU 58 PSF

Order Plans

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BRAD W. GIPSON

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PROJECT:
RENOVATIONS, MODIFICATIONS, & ADDITIONS TO HENRY COUNTY SCHOOLS - GROUP 10 WOODLAND HIGH SCHOOL (ITEM C)
CLIENT:
HENRY COUNTY BOARD OF EDUCATION

SHEET TITLE:
DETAILS AND NOTES

DATE: 06/29/18
SCALE: AS NOTED
DRAWN BY: DAD
CHECKED BY: RYS
SHEET NO.: S4.3