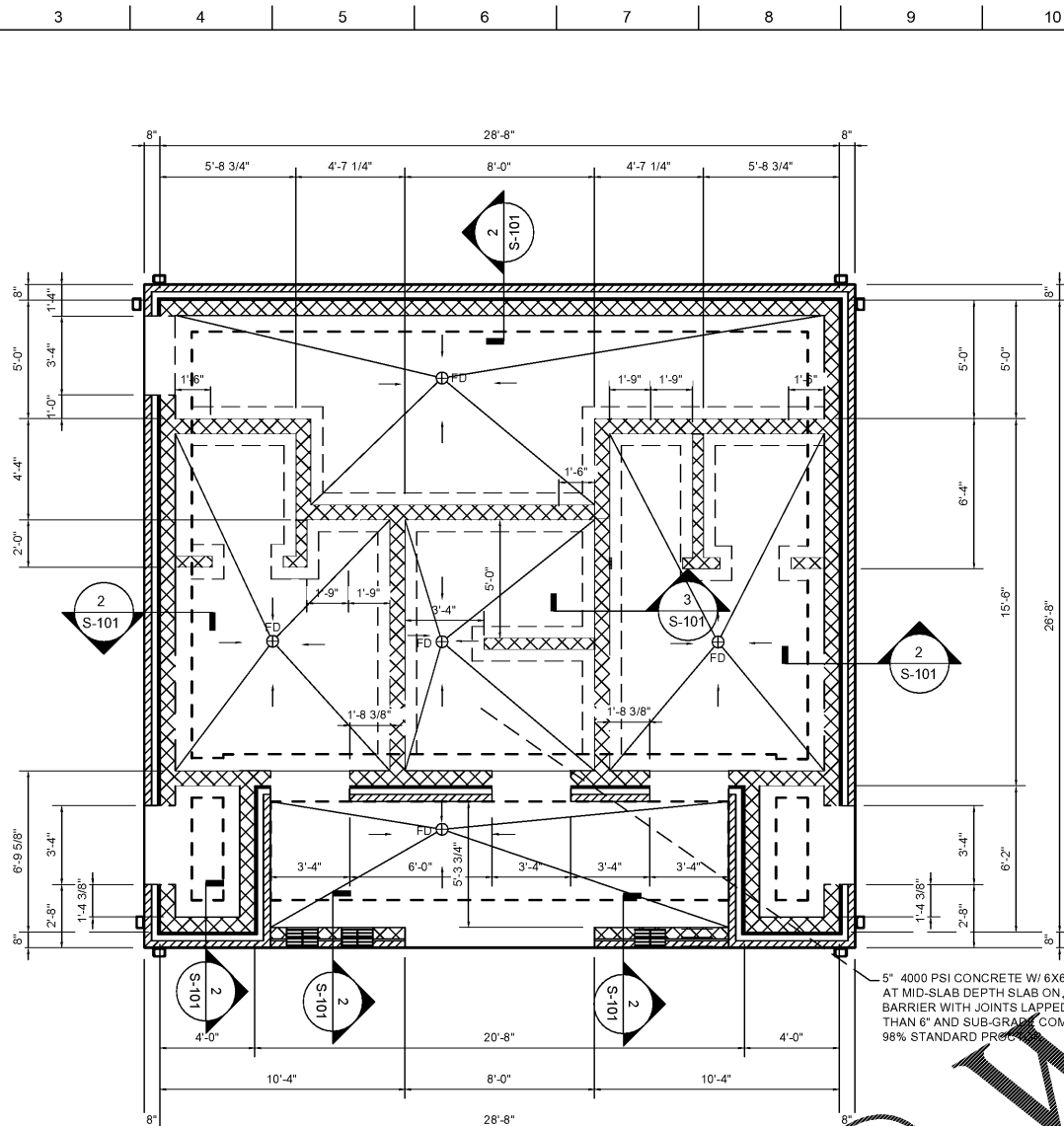
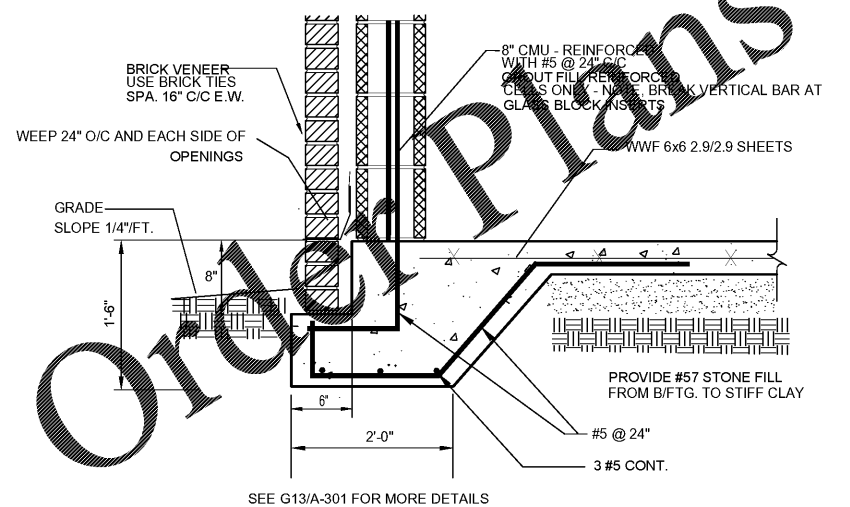


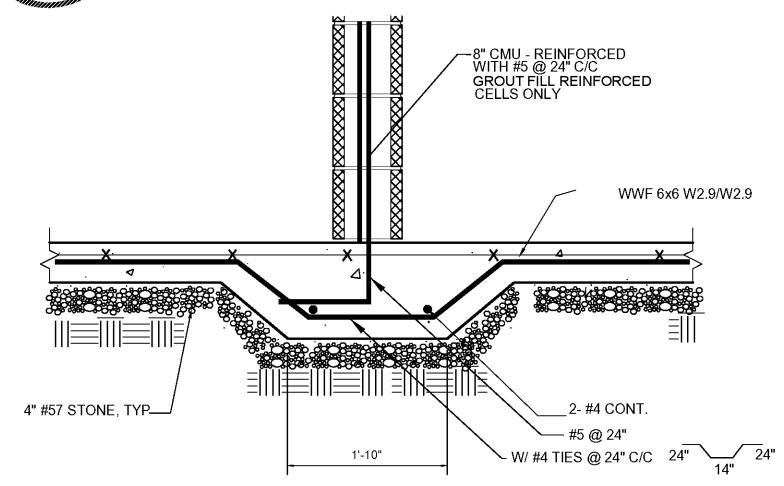
THIS SHEET PLOTS ON 22" x 34" ANSI D 1/2" = 1" 0 1/2" 1" 2" 3" N M L K J I H G F E D C B A  
 © Copyright 2015 by Croft & Associates, PC. All rights reserved. This document is property of Croft & Associates, PC. It is to be used only for the specific project referred to or identified herein and is not to be used on other projects, in whole or in part, except by the express written agreement of Croft & Associates, PC.



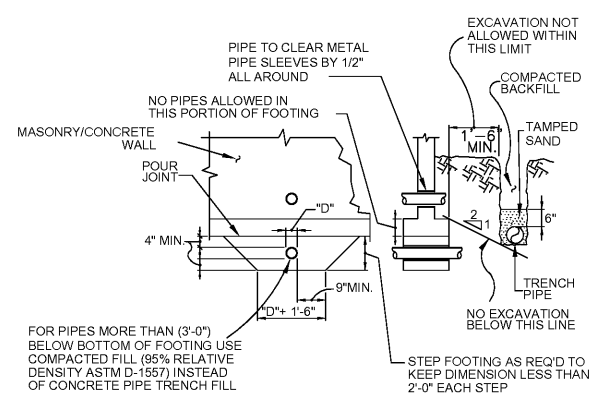
**1 S-101**  
**FOUNDATION PLAN**  
 1/4" = 1'-0"  
 0 5 10 25 FT



**2 S-101**  
**SECTION-TYP. ALL EXT. WALLS**  
 1/4" = 1'-0"  
 0 5 10 25 FT



**3 S-101**  
**SECTION (TYP. ALL INTERIOR WALLS)**  
 1/4" = 1'-0"  
 0 5 10 25 FT



**4 S-101**  
**PIPE PENETRATIONS -FDN**

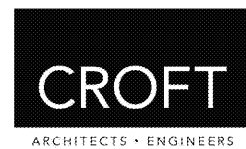
- STRUCTURAL NOTES:**
- DESIGN IN ACCORDANCE WITH IBC 2012 EDITION W/ 2014 GA AMEND
  - DESIGN LOADS ARE AS FOLLOWS:
 

BLOCK LOAD	50 VPSF
BRICK LOAD	40 PSF (IN ADDITION TO DEAD LOAD)
COLLATERAL LOADS	
UNIFORM LOAD	5.0 PSF
ROOF DEAD LOAD	2.5 PSF
ROOF LIVE LOAD	20PSF
SNOW LOAD	
GROUND Pu	5 PSF
ROOF Pf	5 PSF
IMPORTANCE FACTOR I <sub>snow</sub>	1.0
EXPOSURE FACTOR C <sub>e</sub>	1.0
THERMAL FACTOR C <sub>t</sub>	1.0
WIND LOAD	
ULTIMATE WIND VELOCITY (3 SEC GUST)	115 MPH
NOMINAL WIND VELOCITY (3 SEC GUST)	90 MPH
IMPORTANCE FACTOR I <sub>wind</sub>	1.0
EXPOSURE CATEGORY	C
ENCLOSURE	ENCLOSURE
INTERNAL PRESSURE COEFFICIENT	0.18
SEISMIC LOAD	
SEISMIC DESIGN CATEGORY	6
RISK CATEGORY	1
SITE CLASS	1
SPECTRAL RESPONSE COEFFICIENTS	
SS	0.20g
S1	0.08g
Sds	0.113g
Sd1	0.128
BASIC SEISMIC FORCE RESISTING SYSTEM	ORDINARY REINFORCED MASONRY SHEAR WALLS
R=	1.0
Cs=	0.667
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
DESIGN BASE SHEAR - LENGTH (x-x) =	2100 lbs.
DESIGN BASE SHEAR - WIDTH (y-y) =	2100 lbs.
  - MATERIALS ARE TO BE AS FOLLOWS:
 

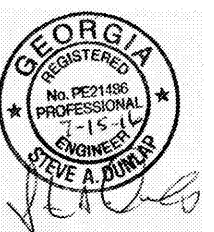
CONCRETE	fc= 4000 PSI 28 DAYS
REINFORCEMENT	ASTM A615
WELDED WIRE FABRIC	ASTM185
VAPOR BARRIER	PER ARCH.
  - A SAFE SOIL BEARING CAPACITY OF 2000 PSF IS ASSUMED. NOTIFY ARCHITECT/ENGINEER OF ANY VALUES BELOW THIS FIGURE.
  - PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH ACI315-LATEST "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES"
  - CONCRETE PROTECTION FOR REINFORCEMENT:
 

CONCRETE CAST AGAINST EARTH	3"
CONCRETE EXPOSED TO WEATHER OR EARTH:	
#5 BAR OR SMALLER	1 1/2"
#6 BAR OR LARGER	2"
  - UNLESS NOTED, LAP HORIZONTAL BARS 30 DIAMETERS AND ALL VERTICAL BARS 24 DIAMETERS.
  - HORIZONTAL REINFORCEMENT IN SLAB TURNDOVNS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS
  - GENERAL CONTRACTOR SHALL PERFORM IN PLACE SOIL DENSITY TESTING AT FOOTINGS AND CONCRETE TESTING AND SHALL MAKE RESULTS OF THESE TESTS AVAILABLE ON JOB SITE
  - FLOOR LOADS SHALL BE POSTED IN CONSPICUOUS LOCATIONS
  - ALL BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED ACCORDING TO "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS"
  - COORDINATE THESE DRAWINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, METAL BUILDING MANUFACTURER AND CIVIL SITE PLAN
  - WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL ALSO APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY BRACING OF ALL WORK DURING CONSTRUCTION
- PRINCIPLE OPENINGS, DEPRESSIONS, CURBS, RAMPS, ETC. ARE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL COORDINATE SIZE AND LOCATIONS OF THESE ITEMS WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. SMALLER OPENINGS, PIPE SLEEVES, REVEALS, RECESSES, GROOVES, ETC. MAY NOT APPEAR ON THESE DRAWINGS AND MUST BE COORDINATED WITH ALL DISCIPLINES. OPENINGS THROUGH BEAMS, GIRDERS AND/OR COLUMNS SHALL BE VERIFIED BY THE ARCHITECT. ALL LEVELING GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. EXPOSED GROUT SHALL BE NON-STAINING CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING AND SHORING OF THE STRUCTURE DURING CONSTRUCTION TO ENSURE STABILITY
- DESIGN OF CONCRETE ELEMENTS INCLUDING WALLS, FORMED SLABS, BEAMS AND COLUMNS IS IN ACCORDANCE WITH ACI 318-11.
  - RESULTS FOR ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON THE JOB SITE FOR REVIEW BY THE INSPECTOR
  - MASONRY MORTAR TYPE 'S', PER ASTM C270
  - MASONRY GROUT SHALL CONFORM WITH ASTM C 476
  - NET AREA COMPRESSIVE STRENGTH f<sub>m</sub> OF:
 

CONCRETE MASONRY 1500 PSI
CLAY MASONRY 2500 PSI



**Croft & Associates**  
 3400 Blue Springs Road, Suite 200  
 Kennesaw, Georgia 30144  
 770.529.7714 (p) 770.529.7716 (f)  
[www.croftandassociates.com](http://www.croftandassociates.com)



**OWNER**  
**CITY OF ACWORTH**  
 4415 SENATOR RUSSELL AVENUE  
 ACWORTH, GEORGIA 30101



**DURR FIELD**  
 4757 - 4805 SCHOOL STREET  
 ACWORTH, GEORGIA 30101

No.	Date	Description
2016-07-22	100% Set	
ISSUANCE		

PROJECT NUMBER  
**16139**  
 DRAWN: SD CHECKED: SD  
 SHEET TITLE  
**FOUNDATION PLAN**

SHEET NO.  
**S-101**