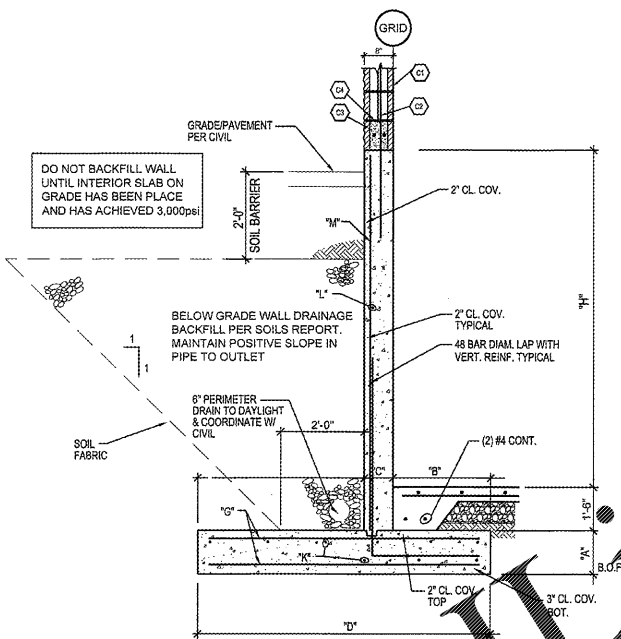


1 FLOOR FOUNDATION PLAN
SCALE: 1/2" = 1'-0"

CMU CONTROL JOINTS

- SPACING:
28'-0" MIN. IN FULLY GROUTED CMU
20'-0" MIN. IN PARTIALLY GROUTED CMU
30'-0" MAX.
- CONTROL JOINT MUST BE LOCATED 4'-8" +/- FROM BUILDING CORNER. REFER TO ROOF SECTIONS 3/56 AND 6/56.
- COORDINATE CONTROL JOINTS WITH ROOF PURLINS. LOCATE AT APPROX. MID-POINT BETWEEN ROOF PURLINS. REFER TO ROOF SECTION 1/56.



2 SECTION
SCALE: 1/2" = 1'-0"

EQUIVALENT FLUID PRESSURE (POCF)
(GRANULAR BACKFILL REQUIRED, COEFFICIENT OF FRICTION = 0.3, ARCH. CHAIRS @ 100PSF)

CONCRETE DIMENSIONS				
"H"	"A"	"B"	"C"	"D"
2'-8" TO 4'-11"	1'-8"	8"	8"	5'-0"
3'-0" TO 6'-11"	1'-8"	10"	8"	6'-0"
7'-0"	1'-8"	8"	7'-0"	

REINFORCEMENT				
"H"	"M"	"L"	"G"	"K"
TO 4'-11"	#5@18"	#4@12"	#5@18"	#4@12"
3'-0" TO 6'-11"	#5@12"	#4@12"	#5@12"	#4@12"
7'-0"	#5@8"	#4@12"	#5@10"	#4@12"

KEYNOTES:

- P1 6" CONCRETE SLAB WITH #4@12"oc EACH WAY MID-HEIGHT IN SLAB.
- P2 SIDEWALK: PROVIDE 4" THICK CONCRETE REINFORCED WITH #3@18" ON CENTER EACH WAY (PLACED ON 1 1/2" CHAIRS) OVER 4" COMPACTED FREE DRAINING GRANULAR MATERIAL (AS DIRECTED BY THE ONSITE GEOTECHNICAL ENGINEER) ON PROPERLY PREPARED SUBGRADE. PROVIDE CONTROL AND ISOLATION JOINTS AS INDICATED. SEE CIVIL DRAWINGS FOR TOP OF CONCRETE SPOT ELEVATIONS.
- P3 DOOR PAD: PROVIDE 4" THICK CONCRETE REINFORCED WITH #3@18" ON CENTER EACH WAY (PLACED ON 1 1/2" CHAIRS) OVER 4" COMPACTED FREE DRAINING GRANULAR MATERIAL (AS DIRECTED BY THE ONSITE GEOTECHNICAL ENGINEER) ON PROPERLY PREPARED SUBGRADE. PROVIDE CONTROL AND ISOLATION JOINTS AS INDICATED. SEE CIVIL DRAWINGS FOR TOP OF CONCRETE SPOT ELEVATIONS.
- P4 GALVANIZE SLAB HAIRPIN. SEE DETAIL 6/54
- P5 STEEL ROLLARD: SEE SITE DEVELOPMENT PLANS, WHEN APPLICABLE, ALIGN WITH CENTERLINE OF STREET FRONT (SEE LIONS).
- P6 PROVIDE #4 x 4'-0" DOWN TURN 45 DEGREE AT CORNER INSIDE CORNERS.
- P7 SIDE WALK CONTROL JOINT. SEE SECTION 3/54.
- P8 SIDE WALK ISOLATION JOINT (SEE SECTION 3/54)
- P9 5'-0" x 2'-6" CORNER BARS AT MID-DEPTH IN 4" SLAB SECTION.
- P10 CONTROL CONSTRUCTION JOINT SEE DETAILS 1 & 2/54.
- P11 5'-0" x 2'-6" CORNER BARS AT CORNERS OF WALL AND FOOTING PER 7/54.
- C1 8" (NOM) SPLIT OR SMOOTH FACE CMU. REFER TO ARCHITECTURAL. REFER TO CMU WALL NOTES ON SHEET S1 FOR WALL VERTICAL AND HORIZONTAL REINFORCEMENT. GROUT ALL COURSES BELOW GRADE SOLID.
- C2 8"-6" DOWEL. 12" MATCHING SIZE AND SPACING OF WALL REINFORCEMENT. EMBED DOWEL 2" INTO TOP OF FOOTING. SHOWN AND LAPPED PER CMU NOTE "8C" ON S1. SEE CMU WALL NOTES SHEET S1.
- C3 CONTINUOUS 8" (NOM) SPLIT OR SMOOTH FACE LINTEL BLOCK OR BOND BEAM (REFER TO ARCHITECTURAL) W/ (2) #4'S CONT.
- C4 9ga LADDER STYLE BLOCK JOINT REINFORCING @ 16"oc VERTICALLY (2) CONTINUOUS 9ga WIRES LONGITUDINALLY PER WIDTH OF BLOCK AND 9ga CROSS WIRE (HOT DIPPED GALV.) (FULL WIDTH OF ALL UNITS AT MULTI-WIDTH.) START JOINT REINFORCEMENT AT 16" ABOVE FOUNDATION.

FOOTING SCHEDULE

MARK	FOOTING SIZE (W x L x T)	FOOTING REINFORCEMENT		BOTTOM OF FOOTING ELEVATION
		LONG.	TRANS.	
F4.0	4'-0"x4'-0"x2'-0"	(8) #5	(8) #5	97'-0"
F6.0	6'-0"x6'-0"x2'-0"	(12) #5	(12) #5	97'-0"
F8.0	8'-0"x8'-0"x2'-0"	(16) #5	(16) #5	96'-6"

- NOTES:
- ALL ANCHOR BOLTS SHALL BE SIZE, QUANTITY AND SPACING AS SPECIFIED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER. MAINTAIN 3" MINIMUM CONCRETE COVER AROUND BOLTS. TIES SHALL WRAP AROUND ANCHOR BOLTS.
 - COLUMN BASE PLATES ARE TO REST ON TOP OF SLAB. PROVIDE LEVEL BEARING SURFACE FOR EVEN CONTACT.
 - COLUMN FOOTING REINFORCEMENT TO BE INTEGRAL WITH CONTINUOUS FOUNDATION REINFORCEMENT.
 - PROVIDE ANCHOR BOLT TEMPLATES AT COLUMN.
 - ALL SPREAD FOOTINGS ARE TO BE CENTERED BENEATH COLUMNS UNLESS NOTED OTHERWISE.

Order Plans @

WWW.Online.com



CRAIG A. SCHNEIDER, AIA
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.6558
417.862.3265
e-mail: architect@estortyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
OLD FRANKLIN TURNPIKE
ROCKY MOUNT, VA
FOUNDATION PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4252
DATE: 11-2-18
REVISION
DATE:

BOB D. CAMPBELL & CO.
Structural Engineers Since 1957
4338 Ballview Ave. 518.531.4144
Kansas City, MO 64111 www.bdc-engr.com