

FEB 28 2014

Lane Supply, Inc.
Texas Registered Engineering Firm
F-004358
120 Fairview
Arlington, TX 76010

NO.	DATE	REVISIONS	CHK'D
0	2/28/2014	PERMIT/BID SET	JH

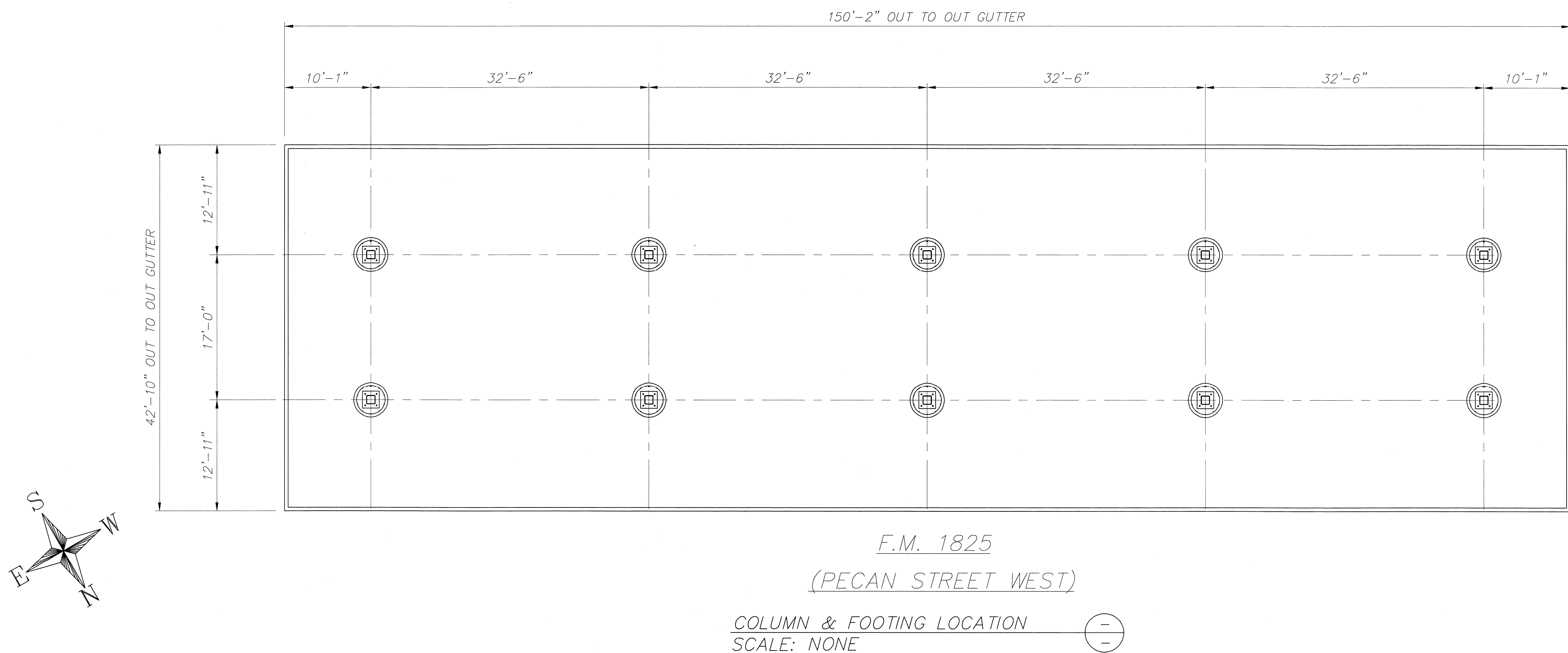
LSC: 51507
DRAWN BY: JH
CHECKED BY:
DATE: 2/24/2014

CIRCLE K STORES, INC.
CIRCLE K FUEL CANOPY
WEST PECAN STREET & SARAH'S CREEK DRIVE
PFLUGERVILLE, TX
42'-10" X 150'-2" CANOPY

SHEET TITLE

CA - 2

BUILDING



FOUNDATION NOTES:

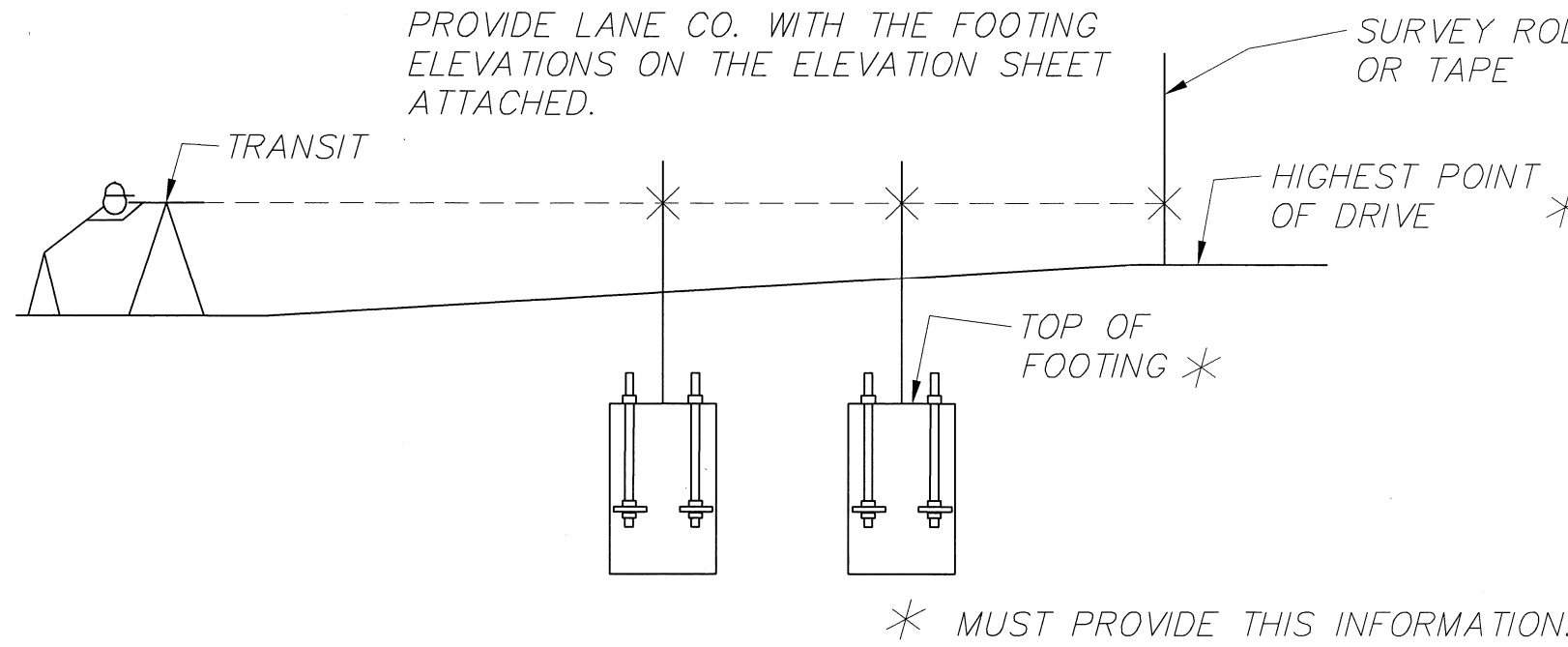
1. ALL FOUNDATION WORK BY OTHERS AND SUBJECT TO LOCAL APPROVAL.
2. THE FOUNDATION DESIGN IS BASED UPON SECTION 1807.3.2.2-IBC 2012 EDITION. THE DESIGN CRITERIA SELECTED IS BASED ON SOILS REPORT BY: TERRACON CONSULTANTS, INC. TERRACON PROJECT NO. 96135184 DATED: OCTOBER 25, 2013. SITE CLASS D, SOIL BEARING CAPACITY OF 2500P.S.F. AND A PASSIVE SOIL PRESSURE OF 150P.S.F. PER FOOT OF DEPTH.
3. DRILLED SHAFT FOOTINGS SHALL BE INSTALLED PER ACI STD. 336.
4. CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO ACI STANDARD 318-11 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
5. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE (F'C) AT THE END OF 28 DAYS SHALL BE 2500 PSI MIN.
6. REINFORCING STEEL SHALL BE GRADE 60 AND CONFORM TO ASTM A615 LATEST REVISION.
7. DETAILING, FABRICATION AND PLACEMENT OF REINFORCING BARS SHALL COMPLY WITH ACI 315, ACI 318 AND CRSI STANDARDS.
8. ANCHOR BOLTS SHALL CONFORM TO ASTM A307.
9. LANE IS NOT RESPONSIBLE FOR FOOTING POURED PRIOR TO PERMITTING.
10. FOOTING ARE DESIGNED TO BE CONSTRAINED AT THE TOP BY A 6" SLAB. IF THEY ARE NOT, PLEASE NOTIFY LANE SUPPLY CO.
11. POUR FOOTINGS TO SAME TOP ELEVATION.
12. USE MASTER FLOW 928 NON-SHRINK GROUT OR EQUIVALENT F'M=5000 P.S.I.

GENERAL NOTES:

1. TOP OF ALL CANOPY FOOTINGS ARE TO BE POURED A MINIMUM OF 12" BELOW FINISHED GRADE OR AS REQUIRED BY LOCAL CODES AND ORDINANCES.
2. IT IS THE OWNERS RESPONSIBILITY TO CONVEY TO ALL CONTRACTORS THAT IT IS THEIR RESPONSIBILITY TO INSURE THAT THE SITE IS PROPERLY EXCAVATED AND GRADED. DURING CONCRETE FORMING PRIOR TO AND AFTER THE POUR, THE CONCRETE SHOULD BE CHECKED FOR PROPER ELEVATION, SQUARE AND CORRECT DIMENSIONS.
3. MEASUREMENTS FOR ANCHOR BOLTS ARE EXACT AND SHOULD BE RECHECKED TO INSURE PROPER LOCATION.
4. CORRECTION OF LOCATION, OF ELEVATION AND OF DIMENSIONAL ERRORS MUST BE MADE PRIOR TO THE ARRIVAL OF THE ERECTION CREW AND PRIOR TO THE ERECTION OF THE STRUCTURE.
5. AFTER THE FORMS HAVE BEEN REMOVED, ALL TRENCHES, HOLES AND UNEVEN SITE CONDITIONS MUST BE LEVELED TO INSURE A SAFE WORKING AND ACCESS AREA ACCEPTABLE TO LOCAL, STATE, FEDERAL AND OSHA AGENCIES.

VERY IMPORTANT:

AFTER FOOTINGS ARE POURED PLEASE PROVIDE LANE CO. WITH THE FOOTING ELEVATIONS ON THE ELEVATION SHEET ATTACHED.



* MUST PROVIDE THIS INFORMATION.

DESIGN LOADS:

DEAD LOAD = 3 P.S.F.(DECK + LIGHTS) + WEIGHT OF STRUCTURAL COMPONENTS
LIVE LOAD = 20 P.S.F.
WIND LOAD V,ULT = 115 M.P.H. EXP. C
WIND LOAD V,ASD = 89 M.P.H. EXP. C
BLDG CODE = 2012 IBC
EQUIVALENT LATERAL FORCE PROCEDURE
LATERAL FORCE RESISTING SYSTEM = CANTILEVERED COLUMN SYSTEM-ORDINARY STEEL MOMENT FRAME
SITE CLASS = D
SS (0.2) = 0.06
S1 (1.0) = 0.04
SDS = 0.07
SD1 = 0.06
FA = 1.60
FV = 2.40
R = 1.25
IMPORTANCE FACTOR = 1.0
RISK CATEGORY = II
SEISMIC DESIGN CATEGORY = A
CS = 0.055
CONSTRUCTION TYPE = IIB
OCCUPANCY CATEGORY = M
TOTAL SEISMIC BASE SHEAR BOTH DIRECTIONS = 2.4 KIPS