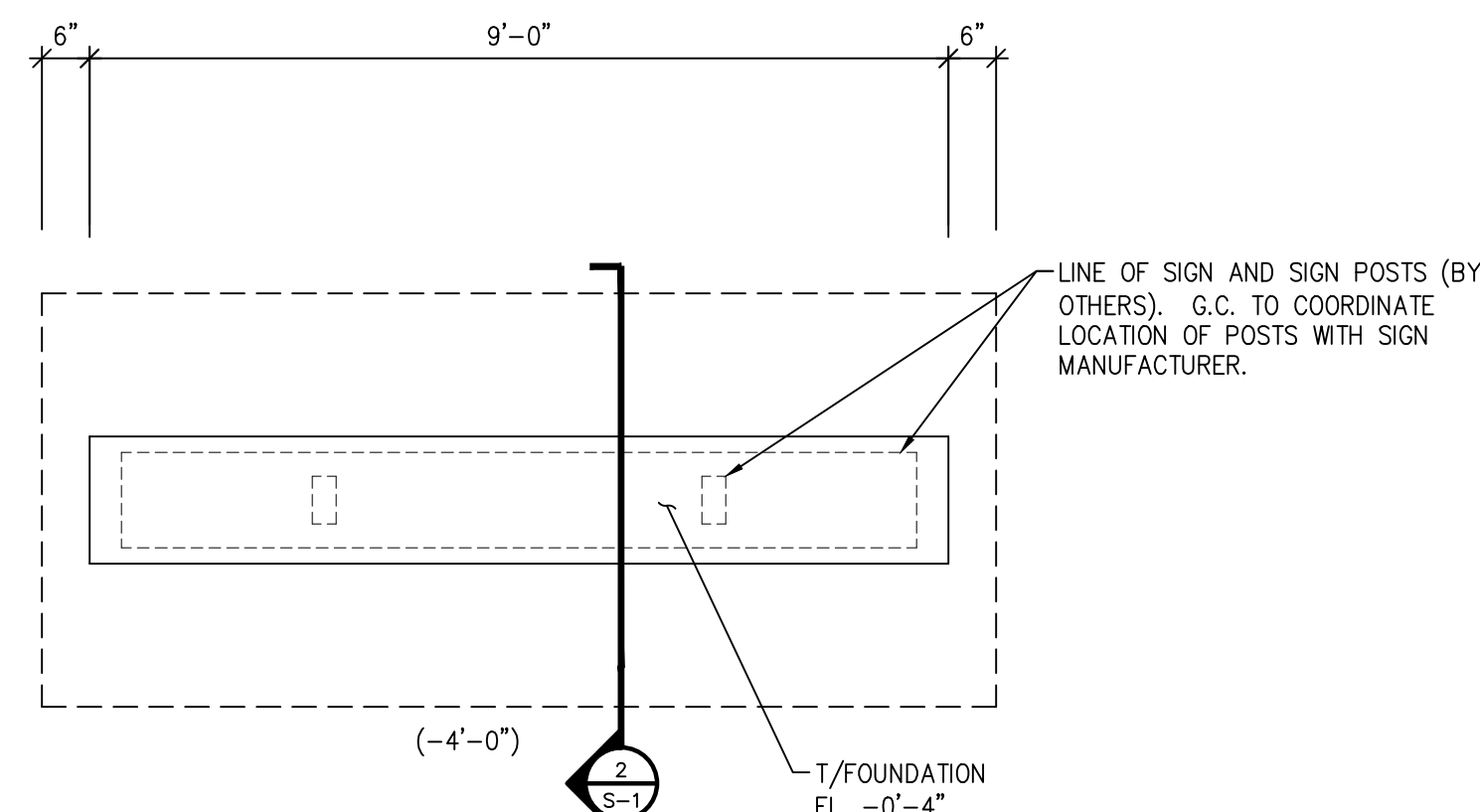


LINE OF SIGN AND SIGN POSTS (BY OTHERS). G.C. TO COORDINATE LOCATION OF POSTS WITH SIGN MANUFACTURER.



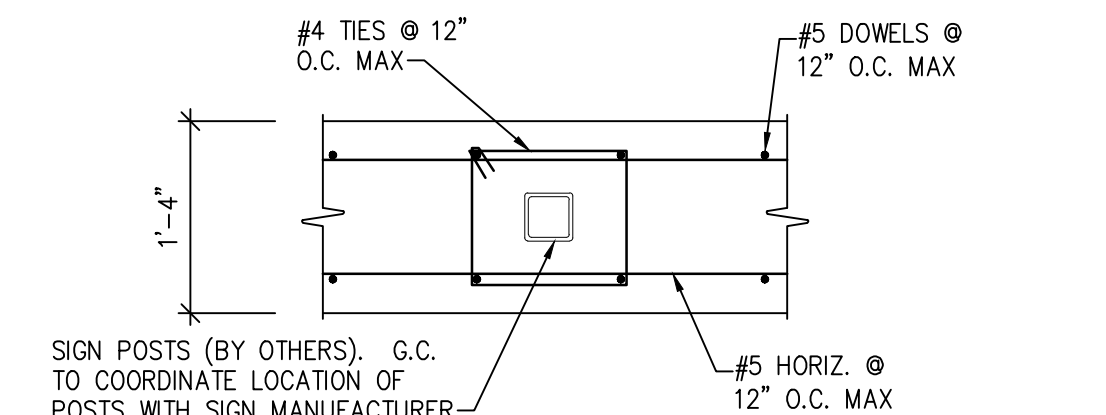
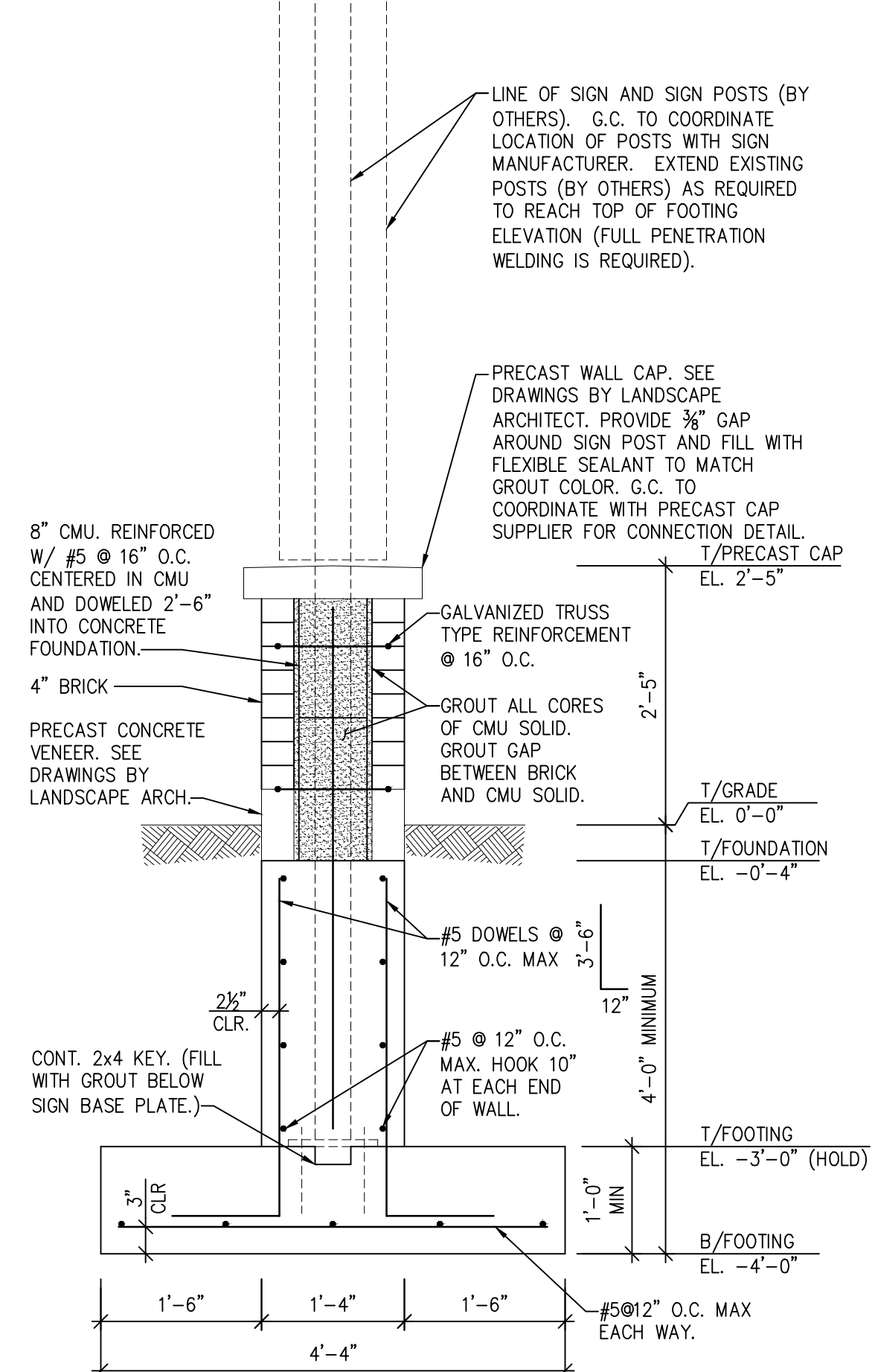
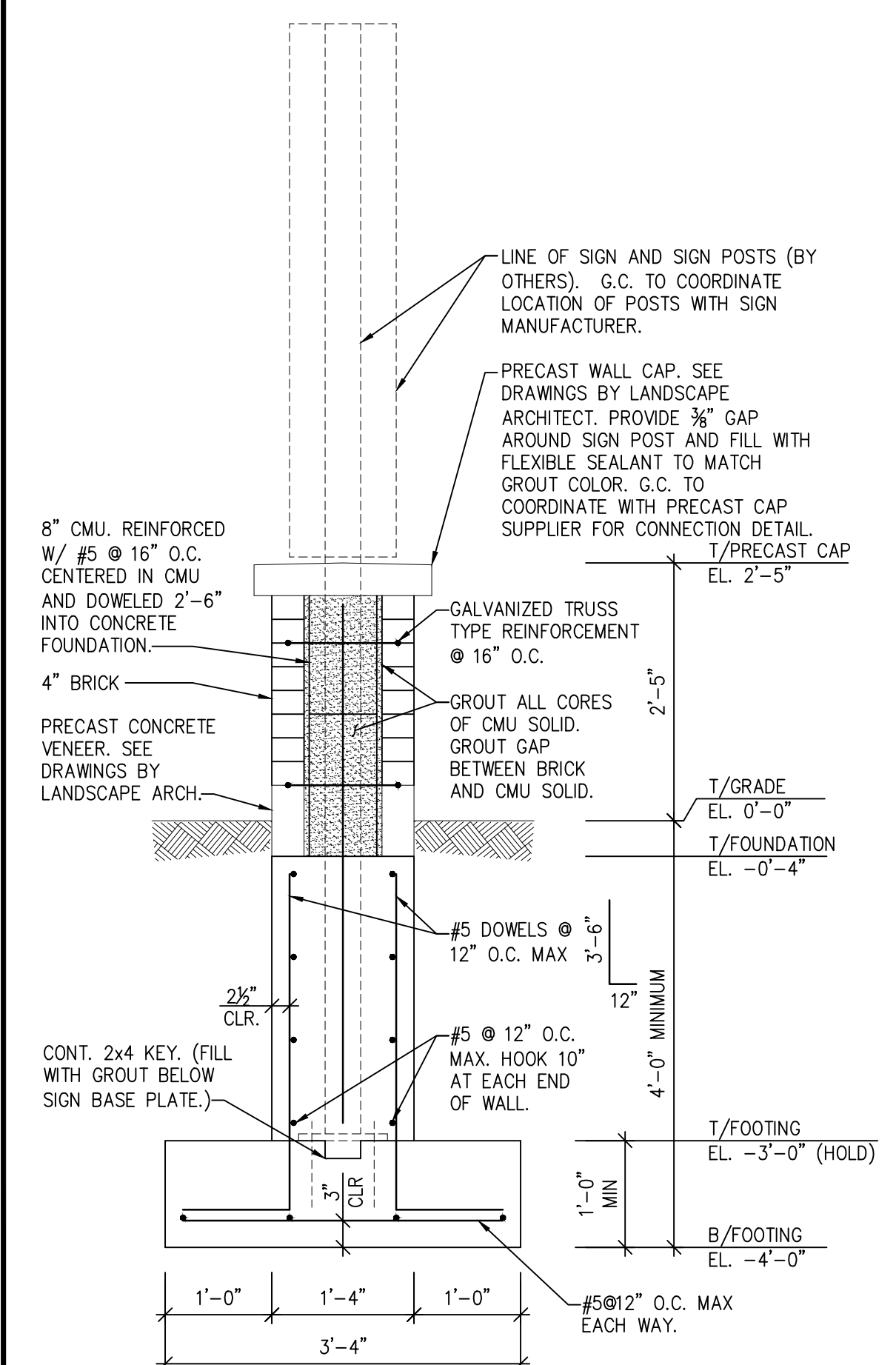
LINE OF SIGN AND SIGN POSTS (BY OTHERS). G.C. TO COORDINATE LOCATION OF POSTS WITH SIGN MANUFACTURER.

FOUNDATION PLAN SIGN 1

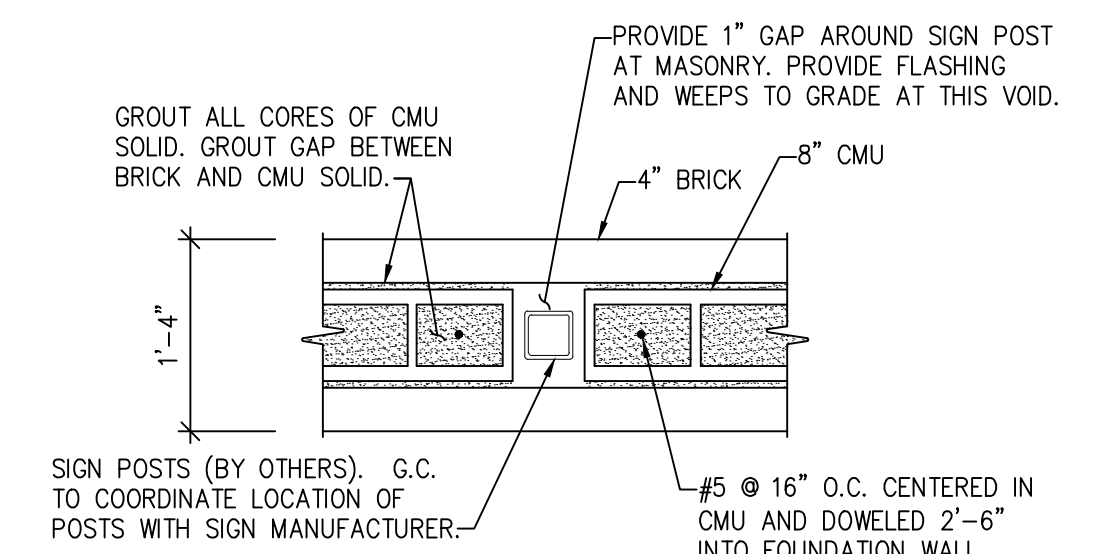
- 1/2"=1'-0"
- COORDINATE LOCATION AND ORIENTATION OF SIGN ON SITE WITH DRAWINGS BY LANDSCAPE ARCHITECT.
 - SIGN MANUFACTURER SHALL DESIGN SIGN AND POST FOR A MAXIMUM WIND LOAD DEFLECTION OF H/600.
 - MINIMUM ALLOWABLE NET SOIL BEARING REQUIRED IS 2,000 PSF. BEARING CAPACITY SHALL BE VERIFIED BY A QUALIFIED TESTING AGENCY AT TIME OF EXCAVATION.
 - (-4'-0") INDICATES BOTTOM OF FOOTING ELEVATION AS REFERENCED FROM ADJACENT GRADE AT EL. 0'-0". BOTTOM OF FOUNDATION SHALL BE A MINIMUM OF 4'-0" BELOW ADJACENT GRADE OR DEEPER IF REQUIRED TO REACH SOILS HAVING A MINIMUM NET SOIL BEARING CAPACITY OF 2,000 PSF.

FOUNDATION PLAN SIGN 2

- 1/2"=1'-0"
- COORDINATE LOCATION AND ORIENTATION OF SIGN ON SITE WITH DRAWINGS BY LANDSCAPE ARCHITECT.
 - SIGN MANUFACTURER SHALL DESIGN SIGN AND POST FOR A MAXIMUM WIND LOAD DEFLECTION OF H/600.
 - MINIMUM ALLOWABLE NET SOIL BEARING REQUIRED IS 2,000 PSF. BEARING CAPACITY SHALL BE VERIFIED BY A QUALIFIED TESTING AGENCY AT TIME OF EXCAVATION.
 - (-4'-0") INDICATES BOTTOM OF FOOTING ELEVATION AS REFERENCED FROM ADJACENT GRADE AT EL. 0'-0". BOTTOM OF FOUNDATION SHALL BE A MINIMUM OF 4'-0" BELOW ADJACENT GRADE OR DEEPER IF REQUIRED TO REACH SOILS HAVING A MINIMUM NET SOIL BEARING CAPACITY OF 2,000 PSF.



SIGN POST DETAIL AT FOUNDATION WALL
3/4"=1'-0"



SIGN POST DETAIL AT MASONRY WALL
3/4"=1'-0"

- #### GENERAL NOTES
- ELEVATIONS ARE REFERENCED FROM TOP OF GRADE AT ELEVATION 0'-0".
 - CARE SHALL BE TAKEN DURING WORK NOT TO DAMAGE PORTIONS OF THE STRUCTURE THAT ARE ALREADY IN PLACE.
 - THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS IN THE FIELD PRIOR TO START OF WORK. THE GENERAL CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR INTERFERENCES.
 - THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED DURING WORK.
 - SHOP DRAWINGS SHALL BE SUBMITTED FOR ENGINEERS APPROVAL 14 DAYS PRIOR TO FABRICATION.
- #### DIVISION II - EXCAVATION
- COORDINATE WITH ALL UNDERGROUND UTILITIES PRIOR TO STARTING ANY EXCAVATION.
 - EXERCISE CARE WHEN EXCAVATING NEAR EXISTING STRUCTURES.
 - ALL FOUNDATION EXCAVATIONS SHALL BE EXTENDED TO A MINIMUM DEPTH OF 4'-0" OR DEEPER IF REQUIRED TO REACH SOILS HAVING A MINIMUM NET BEARING CAPACITY OF 2000 PSF. ALL FOUNDATION EXCAVATIONS SHALL BE FIELD VERIFIED BY A GEOTECHNICAL ENGINEER AT TIME OF EXCAVATION FOR ADEQUATE BEARING SOIL.
 - BACKFILL ALL WALLS BY PLACING GRANULAR FILL IN 1'-0" LIFTS EVENLY ON BOTH SIDES OF WALL. ALL BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DENSITY.
- #### DIVISION III - CONCRETE
- ALL CONCRETE FORMWORK, REINFORCING STEEL, AND CONCRETE PLACEMENT SHALL COMPLY WITH THE REQUIREMENTS AND RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI), LATEST EDITION.
 - ALL CONCRETE SHALL HAVE A 28 DAY ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AND HAVE 6% (+/-) AIR ENTRAINMENT.
 - PROVIDE THE FOLLOWING CONCRETE COVER FOR REINFORCING STEEL:

CONCRETE DEPOSITED AGAINST SOIL	3"
CONCRETE EXPOSED TO WEATHER OR SOIL	2"
ALL OTHERS	1.5"
 - ALL REINFORCING STEEL SHALL BE NEW BILLET DEFORMED BARS CONFORMING TO ASTM A615-GR. 60.
 - COORDINATE WITH OTHER TRADES (i.e., PLUMBING AND ELECTRICAL) FOR ANY EMBEDDED ITEMS.
- #### DIVISION IV - MASONRY
- ALL CONCRETE MASONRY CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS AND RECOMMENDATIONS OF THE "BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES," LATEST EDITION.
 - ALL HOLLOW CONCRETE MASONRY UNITS (CMU) SHALL COMPLY WITH ASTM C90; F'm=2000 PSI.
 - ALL MORTAR SHALL COMPLY WITH ASTM C270 TYPE M OR S; f_c=2000 PSI.
 - ALL GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND CONFORM TO ASTM C 476.
 - ALL CMU SHALL BE REINFORCED WITH HORIZONTAL JOINT REINFORCEMENT @ 16" O.C. (9GA--LADDER TYPE). JOINT REINFORCEMENT SHALL EXTEND INTO BRICK VENEER WHERE PRESENT.
 - ALL BRICK MASONRY CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS AND RECOMMENDATIONS OF "RECOMMENDED PRACTICE FOR ENGINEERED BRICK MASONRY" AS PUBLISHED BY THE BRICK INSTITUTE OF AMERICA (BIA).
 - BRICK AND SOLID CLAY OR SHALE MASONRY UNITS SHALL COMPLY WITH ASTM, C216=66, GRADE SW.

2009 IBC DESIGN LOAD DATA	
WIND LOAD:	
BASIC WIND SPEED (V):	90 MPH
WIND LOAD IMPORTANCE FACTOR (I):	1.0
WIND EXPOSURE:	C
DESIGN WIND PRESSURE:	23 PSF (30 PSF USED)

DATE: 6-5-12	ISSUE: FOR BID ONLY.	
M C STERN STRUCTURAL ENGINEERING, LTD. Professional & Structural Engineering Corp. #184-005594 <small>102 W. Crystal Avenue Lombard, Illinois 60148 office: 630.432.3407 fax: 630.953.9410</small>		
SIGN FOUNDATION EXXON MOBIL STORE 14300 LAGRANGE ROAD ORLAND PARK, IL		
DATE: 5-17-12	Scale: AS NOTED	Designed By: mcs
EXP: 11-30-12		MCS-JOB# 12025
PLANS, DETAILS AND NOTES		Drawing Number: Sheet number: S-1