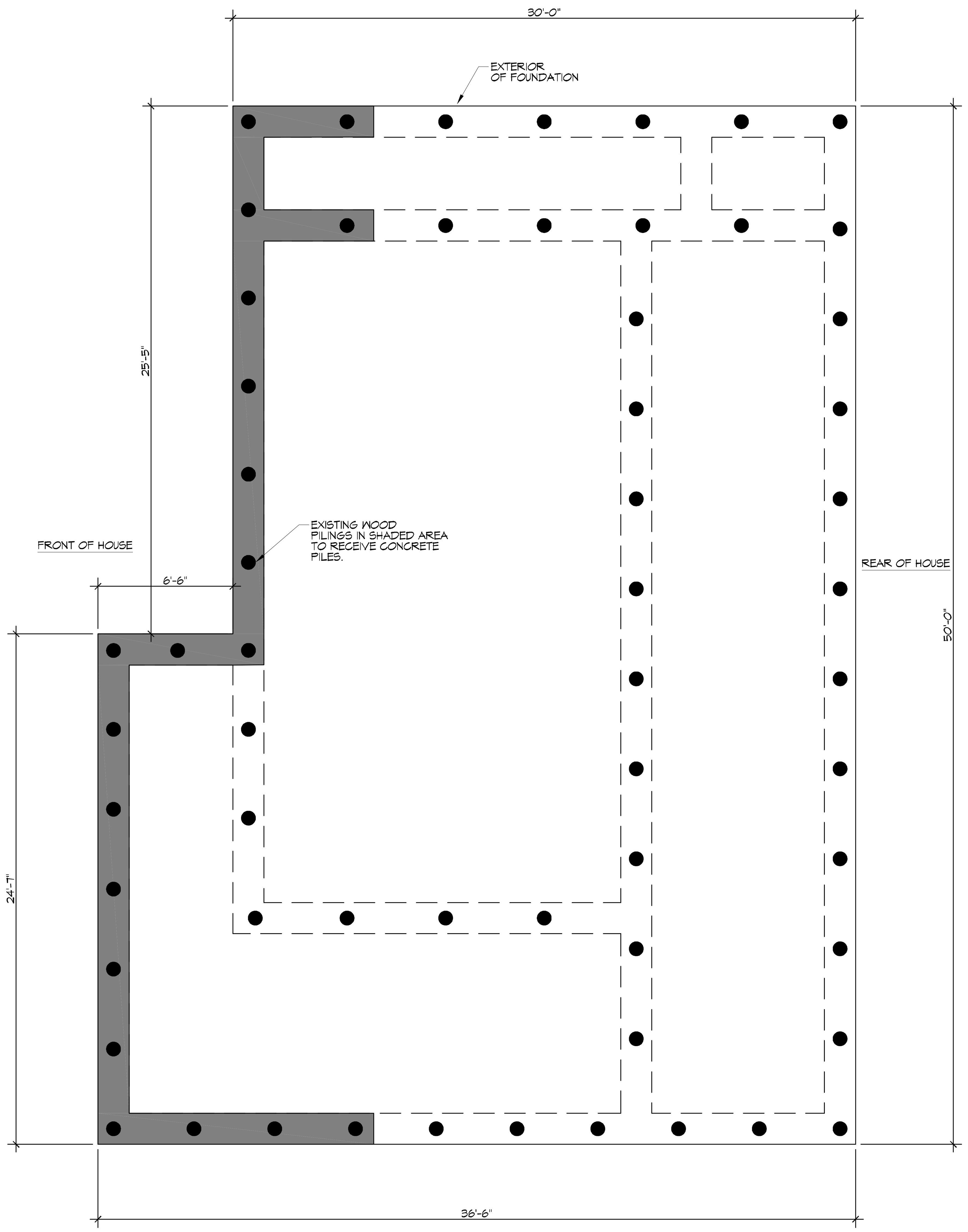
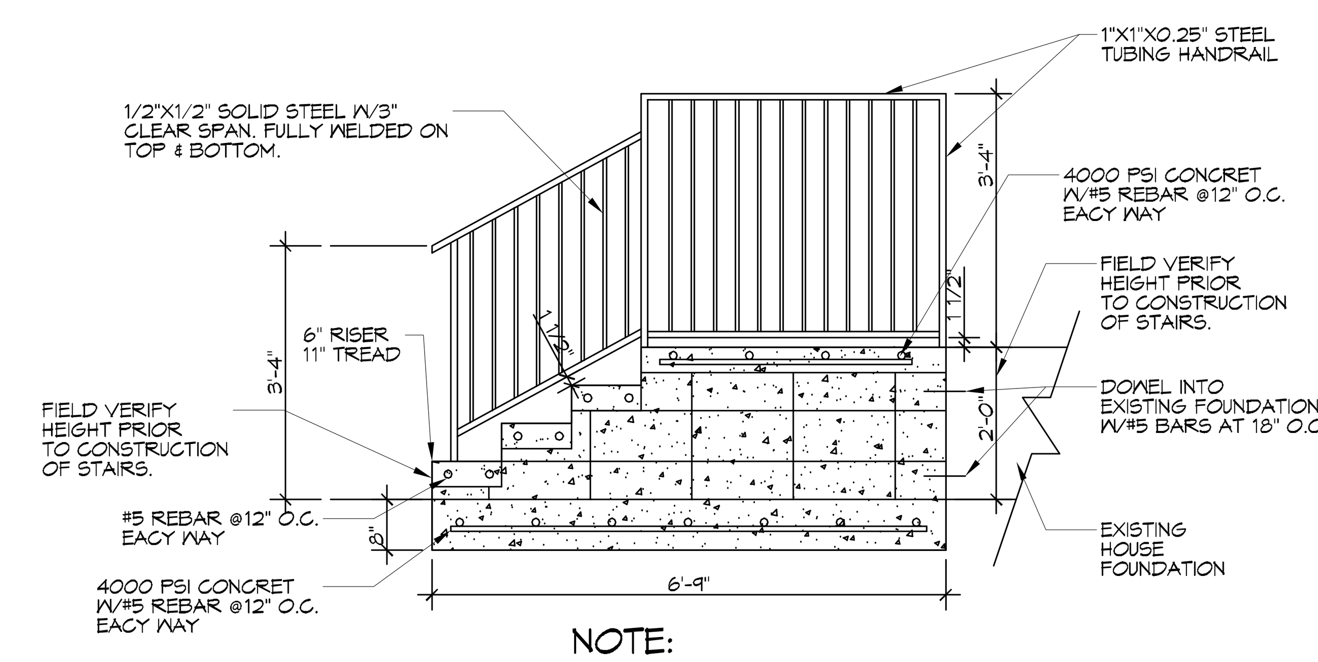
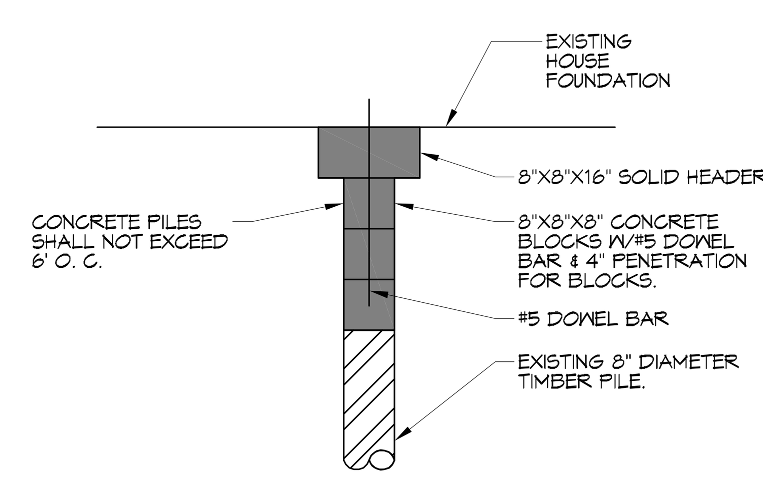


1 FOUNDATION PLAN
SCALE: 1/4"=1'-0"



NOTE:
STAIRS SHALL HAVE A MINIMUM WIDTH OF 36" BETWEEN HANDRAILS.

2 STAIR PLAN
SCALE: 1/2"=1'-0"



1 TYPICAL PILING DETAIL
SCALE: 1/2"=1'-0"

GENERAL NOTES

1. ENGINEER DID NOT INSPECT THIS SITE AND DOES NOT ATTEST TO ANY EXISTING UNUSUAL SITE OR SOIL CONDITIONS ON THE BUILDING SITE.
2. ENGINEER DOES NOT ATTEST THAT SETTLEMENT OF THE FOUNDATION WILL NOT OCCUR.
3. ENGINEER DOES NOT INSPECT THIS FOUNDATION FOR PLAN COMPLIANCE (UNLESS BY SEPARATE CONTRACT).
4. OWNER IS CAUTIONED TO EXERCISE POSITIVE DRAINAGE OF THE SITE BOTH FROM RAINFALL AND ANY INSTALLED SPRINKLER SYSTEMS.
5. ENGINEER DOES NOT ATTEST TO THE STRUCTURAL DESIGN OR ADEQUACY OF THE PROPOSED BUILDING.
6. ANY DEVIATION FROM THIS PLAN OR SPECIFICATIONS WILL VOID ENGINEER'S LIABILITY AND RESPONSIBILITY.
7. THIS DESIGN SHALL BE USED ONLY FOR THE ATTACHED REFERENCED PROJECT.
8. CONTRACTOR TO CONTACT ALL UTILITY COMPANIES FOR ALL UTILITY RELOCATIONS PRIOR TO CONSTRUCTION .
9. PILING LOCATIONS ARE ONLY AN APPROXIMATION BY ENGINEER, FIELD TO VERIFY EXISTING PILING LOCATIONS.
10. CONTRACTOR TO ENSURE THAT EXISTING SLAB AND FOOTINGS ARE STRUCTURALLY CAPABLE TO BE RAISED WITH THE HOUSE. OTHERWISE SLABS SHALL REMAIN AT GRADE.

LIFT DESIGN CRITERION

1. THE PILINGS BELOW THE BUILDING SHALL FIRST BE EXPOSED BY REMOVING THE SURROUNDING SOILS FOR A DEPTH OF APPROXIMATELY 3 FEET. THEN APPROXIMATELY EVERY OTHER PILE IS CUT LEAVING ROOM FOR A HYDRAULIC JACK TO BE INSTALLED BETWEEN CUT OFF PILE AND BUILDING'S EXISTING SLAB.
2. A UNIFIED HYDRAULIC JACKING SYSTEM SHALL BE USED TO RAISE THE BUILDING IN A UNIFIED MODE UNTIL THE DESIGNED ULTIMATE EIGHT IS ACHIEVED. AT THIS STAGE 8"X8"X8" SOLID CONCRETE SEGMENTAL BLOCKS ARE PINNED TOGETHER WITH INTERLOCKING #5 DOWELS ON TOP OF THE EXPOSED PILE, WHICH DOES NOT HAVE A JACK ON IT. THE JACKS ARE THEN REMOVED FROM THE PILES AND 8"X8"X8" CONCRETE SEGMENTAL BLOCKS ARE INSTALLED ON THESE REMAINING PILES. SINCE THE CONCRETE SEGMENTAL PILES ARE GENERALLY INSTALLED UNTIL A MINIMUM LIFT OF ONE HALF INCH IS ACHIEVED ON THE STRUCTURE, THE CORRESPONDING GAUGE PRESSURE CONVERTS TO A PILE LOAD CAPACITY OF APPROXIMATELY 7 TONS.

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#	DESCRIPTION	REVISIONS	DATE

SEAL:

CASTILLO BUILDERS
2604 ALEATHA STREET
METAIRIE, LA

JOB No:	2018	DATE:	08-08-2018
DRAWN BY:	CKD	CHECKED BY:	CKD

SHEET TITLE:
FOUNDATION PLAN & DETAILS

DRAWING NUMBER:
S101

SHEET No: 1 of # 1