GENERAL:

- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS.
- CONSULT THESE DRAWINGS FOR DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION.
- NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
- AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY. YFG STRUCTURAL ENGINEERS' PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTORS' MEANS OR METHODS OF CONSTRUCTION.
- SHORING, BRACING AND PROTECTION OF EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PROTECT AND MAINTAIN THE INTEGRITY OF ADJACENT STREETS, BUILDINGS AND ALL OTHER STRUCTURES.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE STRUCTURE IS COMPLETE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY MEANS AND METHODS OF CONSTRUCTION OR FOR ANY RELATED SAFETY PRECAUTIONS OR PROGRAMS.

DESIGN LOADS:

- THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE LATEST STATE BUILDING CODE AND APPLICABLE REFERENCE STANDARDS.
  - LIVE LOAD 40 psf
  - DEAD LOAD 10 psf

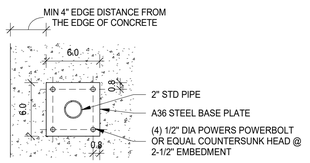
FOUNDATIONS:

- NO BACKFILL SHALL BE PLACED AGAINST FOUNDATION WALLS UNLESS SUPPORTING SLABS ARE IN PLACE AND SET OR THE WALLS ARE ADEQUATELY BRACED.
- DEWATERING OF THE SITE DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR NOT TO UNDERMINE EXISTING FOUNDATIONS. METHOD OF DEWATERING AND CALCULATIONS FOR THE APPROPRIATE SYSTEM ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ALL SOIL BEARING SURFACES SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER IMMEDIATELY PRIOR TO THE PLACEMENT OF CONCRETE.
- ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 1,500 psf ON COMPACTED FILL.
- BEFORE CONSTRUCTION COMMENCES, SOIL BEARING CAPACITY SHALL BE VERIFIED BY A SUBSURFACE INVESTIGATION, AS WELL AS FIELD AND LABORATORY TESTS PERFORMED BY A CERTIFIED TESTING LABORATORY, WHOSE REPORT SHALL INCLUDE ANALYSIS AND RECOMMENDATIONS FOR SITE PREPARATION IN ORDER TO BEAR THE FOUNDATION LOADS.
- SOILS SUPPORTING FOUNDATIONS SHALL BE INSPECTED AND APPROVED BY A LICENSED GEOTECHNICAL ENGINEER PRIOR TO FOUNDATION REBAR INSTALLATION AND PLACING OF CONCRETE.
- HAND SHAPE HORIZONTAL SURFACES FLAT AND LEVEL FOR SUPPORT OF STRUCTURES. MAKE CHANGES OF LEVEL IN STEPPED COURSES, NOT STEEPER THAN ONE (1) VERTICAL TO TWO (2) HORIZONTAL.
- AFTER THE EXCAVATED AREAS ARE CLEANED OF LOOSE MATERIAL AND PRIOR TO PLACING CONCRETE, THE SUBGRADE FOR ALL FOUNDATIONS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S TESTING AND INSPECTION AGENCY.
- WHERE EXCAVATION WOULD BE BELOW A LINE EXTENDING UPWARD AT A 2.0 H TO 1.0 V SLOPE FROM THE BOTTOM OF AN EXISTING FOUNDATION OR UTILITY PROVIDE ALL SHEETING, SHORING, AND BRACING NECESSARY AND TAKE CARE NOT TO UNDERMINE THE EXISTING CONSTRUCTION.

CONCRETE:

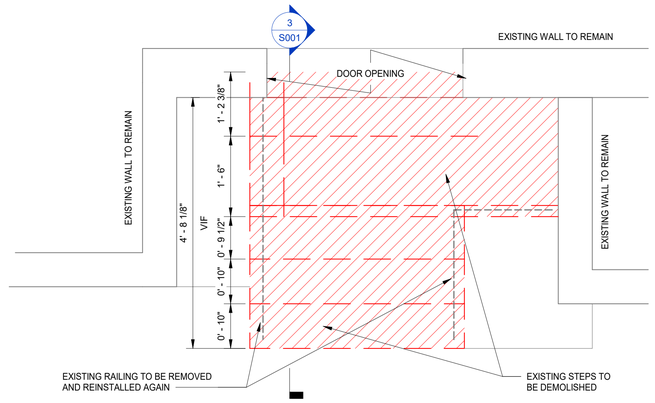
- SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX:
- 4000 psi FOR OTHER STRUCTURAL CONCRETE.
- SUBMIT PROPOSED MIX DESIGN WITH RECENT FIELD CYLINDER OR LAB TESTS FOR REVIEW PRIOR TO USE.
- MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE IDENTIFICATION.
- MIX SHALL MEET THE REQUIREMENTS OF ASTM C33 FOR COARSE AGGREGATE.
- CONCRETE SHALL COMPLY WITH THE REQUIREMENTS OF ASTM STANDARD C94 FOR MEASURING, MIXING, TRANSPORTING, ETC.
- CONCRETE TICKETS SHALL BE TIME STAMPED WHEN CONCRETE IS BATCHED.
- THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ONE AND ONE HALF (1-1/2) HOURS.
- IF FOR ANY REASON THERE IS A LONGER DELAY THAN THAT STATED ABOVE, THE CONCRETE SHALL BE DISCARDED.
- IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE WITH THE ABOVE.
- CONCRETE MIX DESIGNS SHALL INCLUDE A WRITTEN DESCRIPTION INDICATING WHERE EACH PARTICULAR MIX IS TO BE PLACED WITHIN THE STRUCTURE.
- CONCRETE DESIGN MIX SUBMITTALS SHALL INCLUDE TESTED, STATISTICAL BACK-UP DATA AS PER CHAPTER 5 OF ACI 318.
- WATER/CEMENT RATIO FOR CONCRETE OF EXTERIOR COLUMNS SHALL NOT EXCEED 0.40 BY WEIGHT.
- CONCRETE TESTING:
- AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TESTS ON CAST IN PLACE CONCRETE:
- ASTM C143: "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT CONCRETE." MAXIMUM SLUMP SHALL BE 4 INCHES.
- ASTM C39: "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS." A SEPARATE TEST SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY 50 CUBIC YARDS (OR FRACTION THEREOF), PLACED PER DAY. REQUIRED CYLINDER(S) QUANTITIES AND TEST AGE AS FOLLOWS:
  A. 1 AT 3 DAYS
  B. 1 AT 7 DAYS
  C. 2 AT 28 DAYS
- ONE ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE DIRECTION OF THE ENGINEER, IF REQUIRED. IF 28 DAY STRENGTH IS ACHIEVED, THE ADDITIONAL CYLINDER(S) MAY BE DISCARDED.
- ABBREVIATIONS

VIF VERIFIED IN FIELD

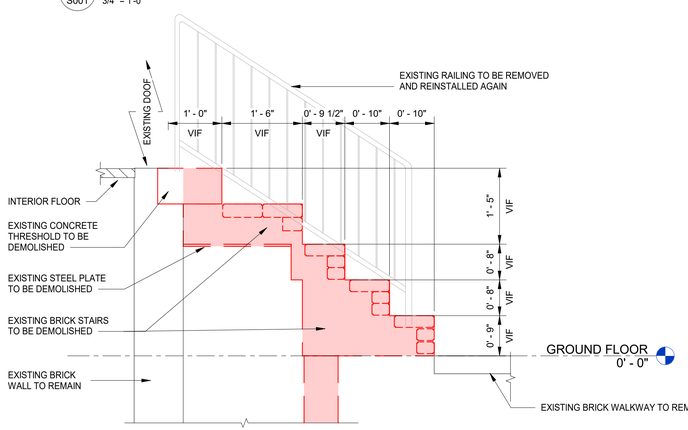


NOTE:
- THE BASE PLATE DESIGN IS SUFFICIENT FOR MAX. 5'-0" RAILING POST SPACING
- ALL STEEL IN CONTACT WITH WEATHER SHALL BE HOT DIP GALVANIZED
- SPACING BETWEEN RAILING BALUSTERS SHALL NOT HAVE AN OPENING THAT ALLOWS PASSAGE OF A SPHERE 4" IN DIAMETE

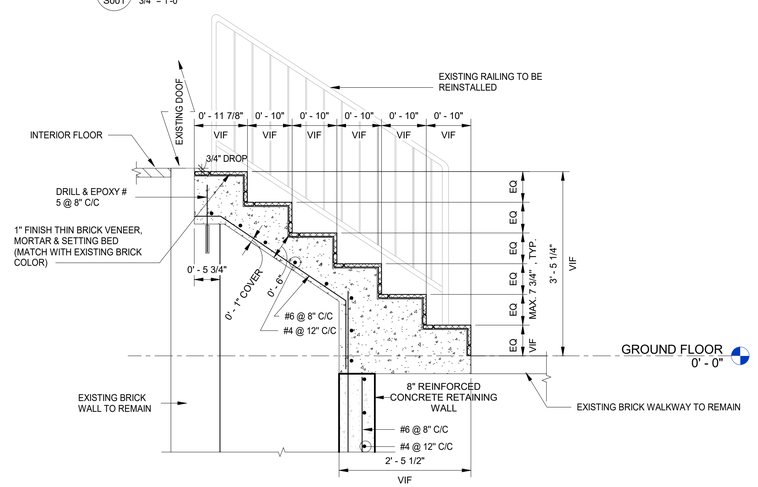
RAIL BASE CONNECTION
1 1/2" = 1'-0"



1 S001 EXISTING STAIRS- DEMOLITION PLAN
3/4" = 1'-0"



2 S001 NEW STAIRS - NEW CONSTRUCTION
3/4" = 1'-0"

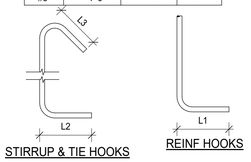


3 S001 SECTION THROUGH STAIRS- DEMOLITION
3/4" = 1'-0"

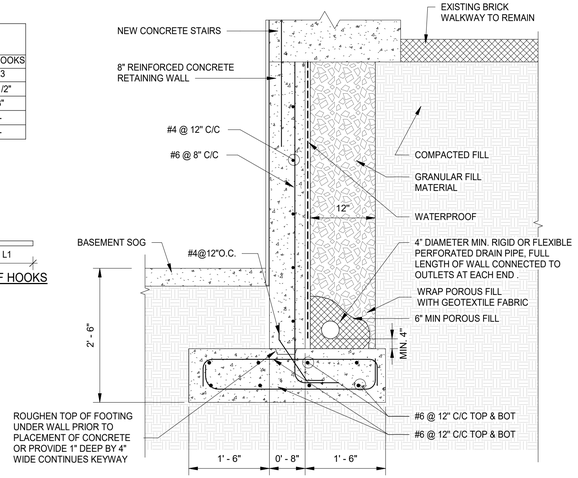
4 S001 SECTION THROUGH STAIRS- NEW CONSTRUCTION
3/4" = 1'-0"

SHEET NOTE:
- WHERE SOIL UNDER THE FOOTING CONSISTS OF SOFT CLAY PLACE 4" TO 6" OF CRUSHED GRAVEL.
- BOTTOM OF FOUNDATION SHALL BE MIN. 2'-6" BELLOW THE GROUND LEVEL.
- GOOD HOUSE KEEPING WILL BE PERFORMED TO NOT IMPACT THE DC WATER CLEAN RIVER GREEN ALLEY PROJECT WITH SEDIMENT AND RUNOFF FROM THIS PROPERTY AND PROJECT.

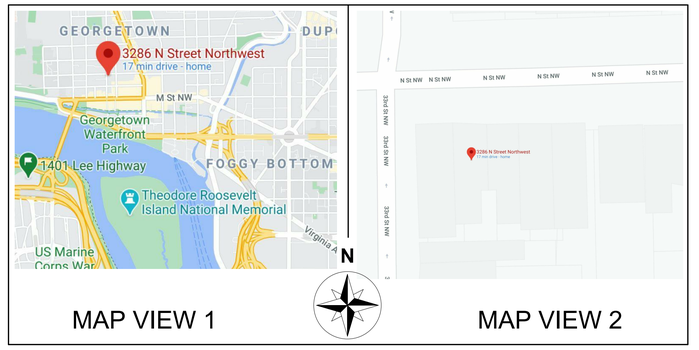
STANDARD HOOK LENGTHS			
BAR SIZE	REINF HOOK	STIRRUP & TIE HOOKS	
	L1	L2	L3
#3	6"	4"	2 1/2"
#4	8"	4 1/2"	3"
#5	10"	-	-
#6	1'-0"	-	-



STIRRUP & TIE HOOKS — REINF HOOKS



5 S001 SECTION AT NEW RETAINING WALL
3/4" = 1'-0"



SHEET INDEX

SHT NO.	DESCRIPTION	Current Revision	Current Revision Date
S001	STRUCTURAL NOTES, PLANS AND SECTIONS		

Project No.: YFG20100501

THESE DRAWINGS, ALONG WITH THE ARCHITECTURAL DRAWINGS, AND PROJECT MANUAL CONSTITUTE A SINGULAR CONTRACT DOCUMENT AND MUST BE USED TOGETHER IN THEIR ENTIRETY IN THE CONSTRUCTION OF THIS PROJECT.
PAPER SIZE: 24" x 36"

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DATE:
12/14/2020

DISTRICT OF COLUMBIA
YOUSEF GHAFFARI
No. PE 922409
LICENSED
PROFESSIONAL ENGINEER
12/14/2020

REVISIONS

NEW BRICK STEPS
3286 N ST NW,
WASHINGTON, DC 20007

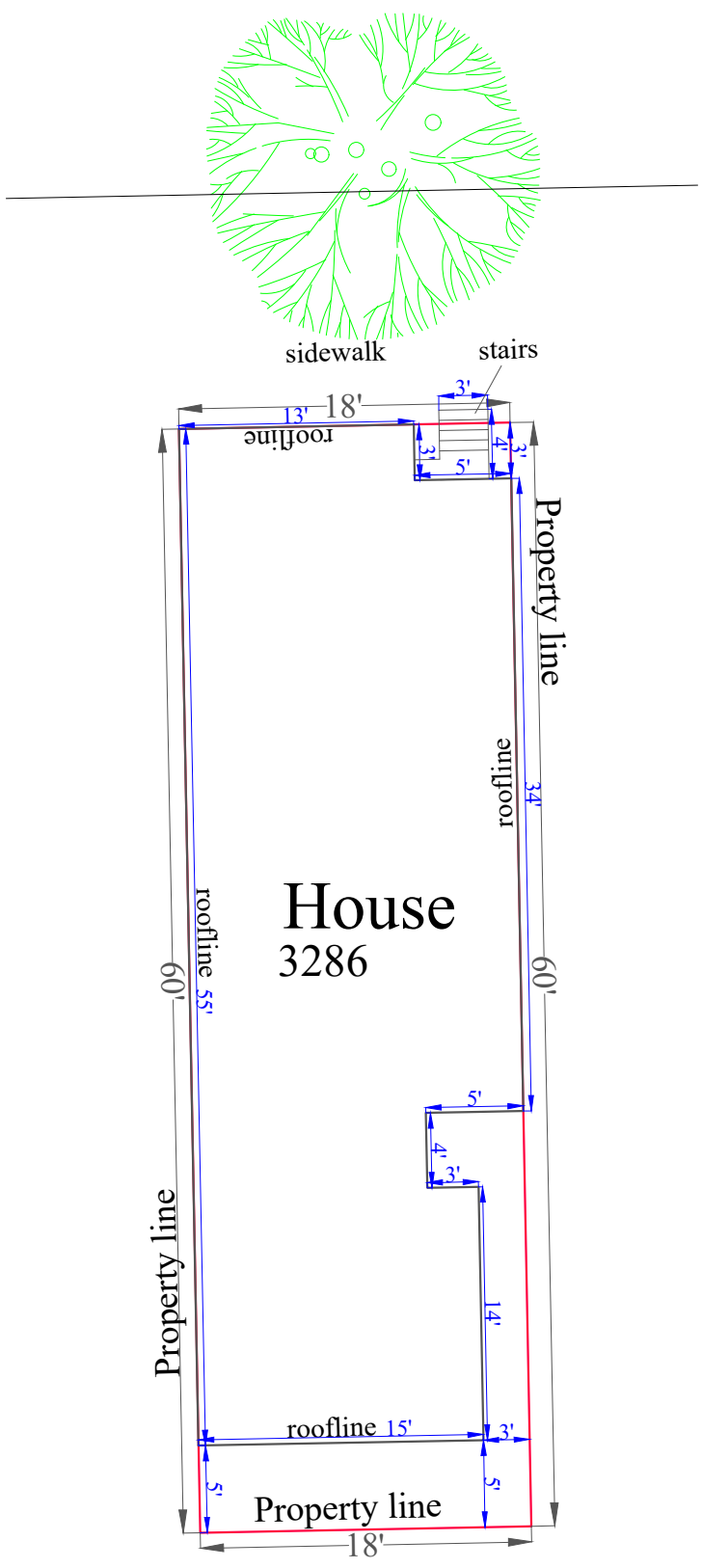
DESCRIPTION
STRUCTURAL NOTES, PLANS AND SECTIONS

SHEET
S001

SITE PLAN

Address: 3286 N St NW
City, State, ZIP: Washington DC 20007
County: USA
Scale 1":10'

N St NW

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