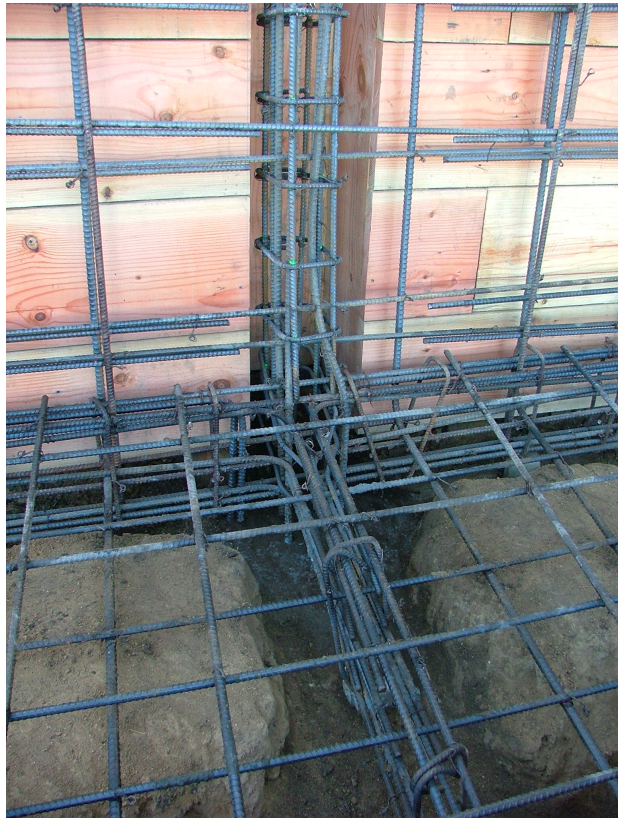
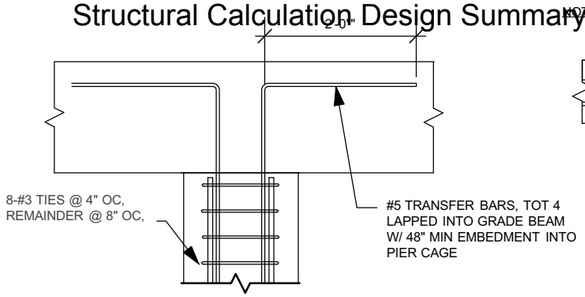
2006 Sample New Project - West Marin, CA

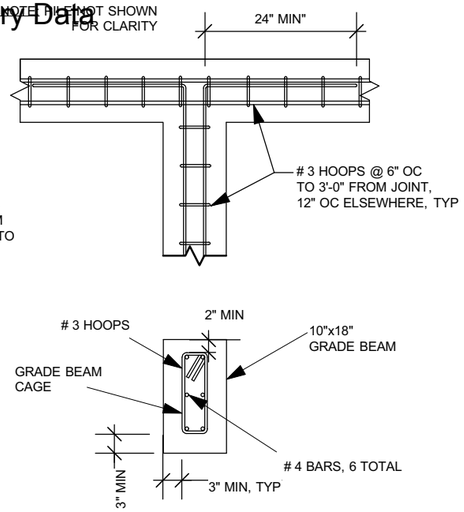
Provided Structural Calculations (gravity, wind, earthquake) for a single-family residential wood frame building on steep terrrain inmediately adjacent to the San Andreas Fault.



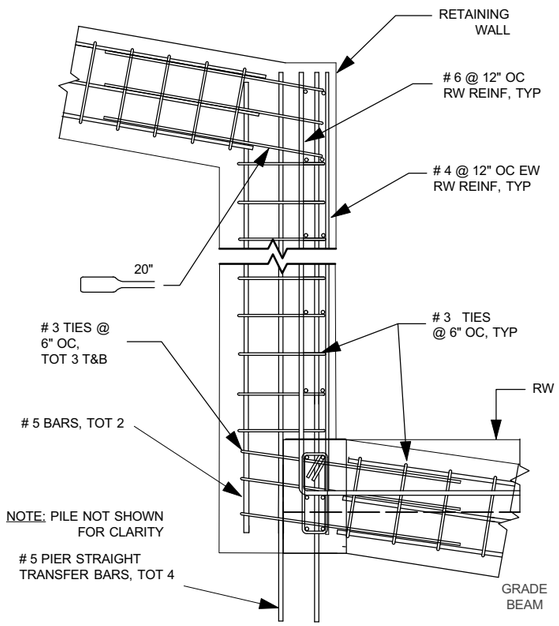
The foundation consited of 16" diameter drilled piers with interconnecting grade beams and retaining walls supprting four levels of the wood frame house going up the hillside.



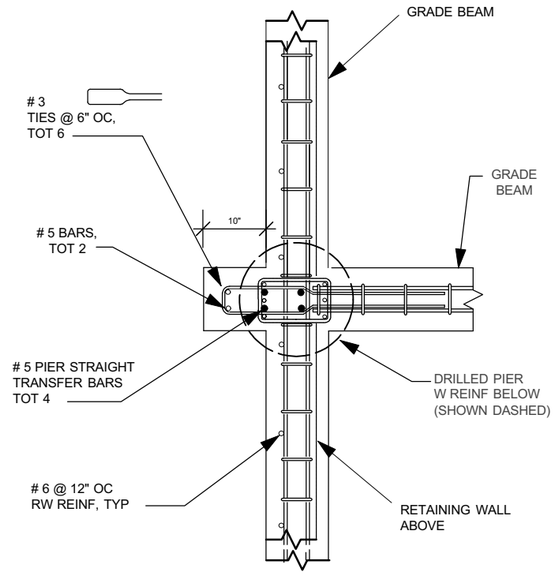
1 PIER DETAIL 1"=1'-0"



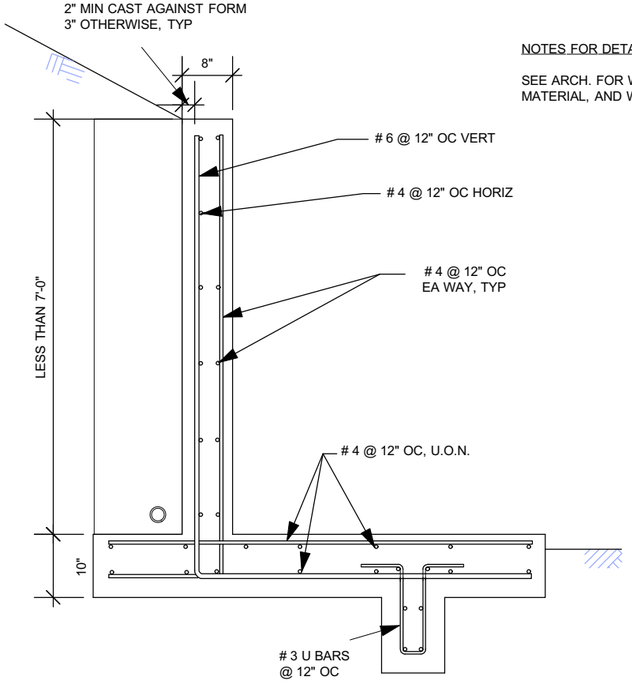
2 GRADE BEAM DETAIL 1"=1'-0"



3 GRADE BEAM AT RETAINING WALLS 1"=1'-0"



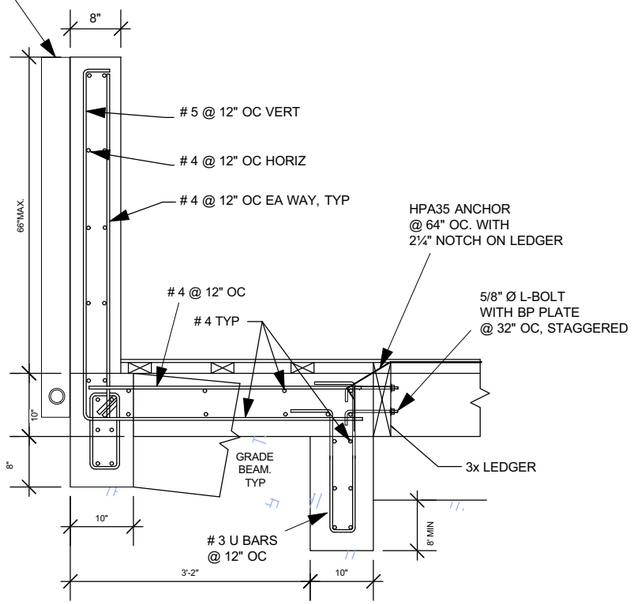
4 PLAN AT INTERSECTION OF RET WALL & PIER 1"=1'-0"



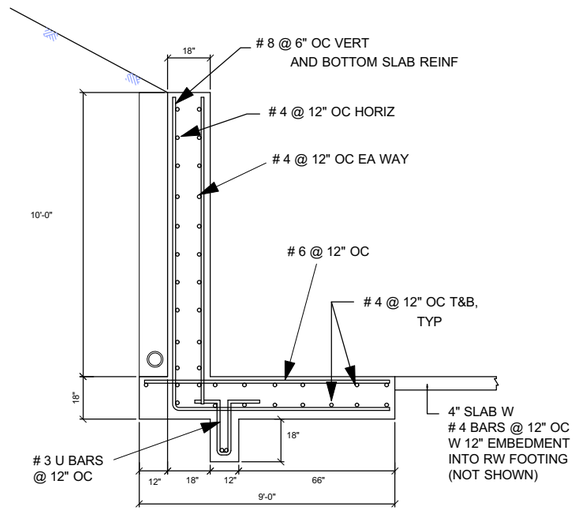
5 EXTERIOR RETAINING WALL 1"=1'-0"

NOTES FOR DETAILS 5 - 7:

SEE ARCH. FOR WALL WATERPROOFING, FILTER MATERIAL, AND WALL BACKDRAINING, TYP



6 HOUSE RETAINING WALL 1"=1'-0"



7 GARAGE RETAINING WALL NTS

NORTH BAY SEISMIC DESIGN
Structural Analysis and Design
PO Box 55, Inverness, CA 94937
Tel/Fax: (415) 663-8161
NBSD@Horizoncable.com

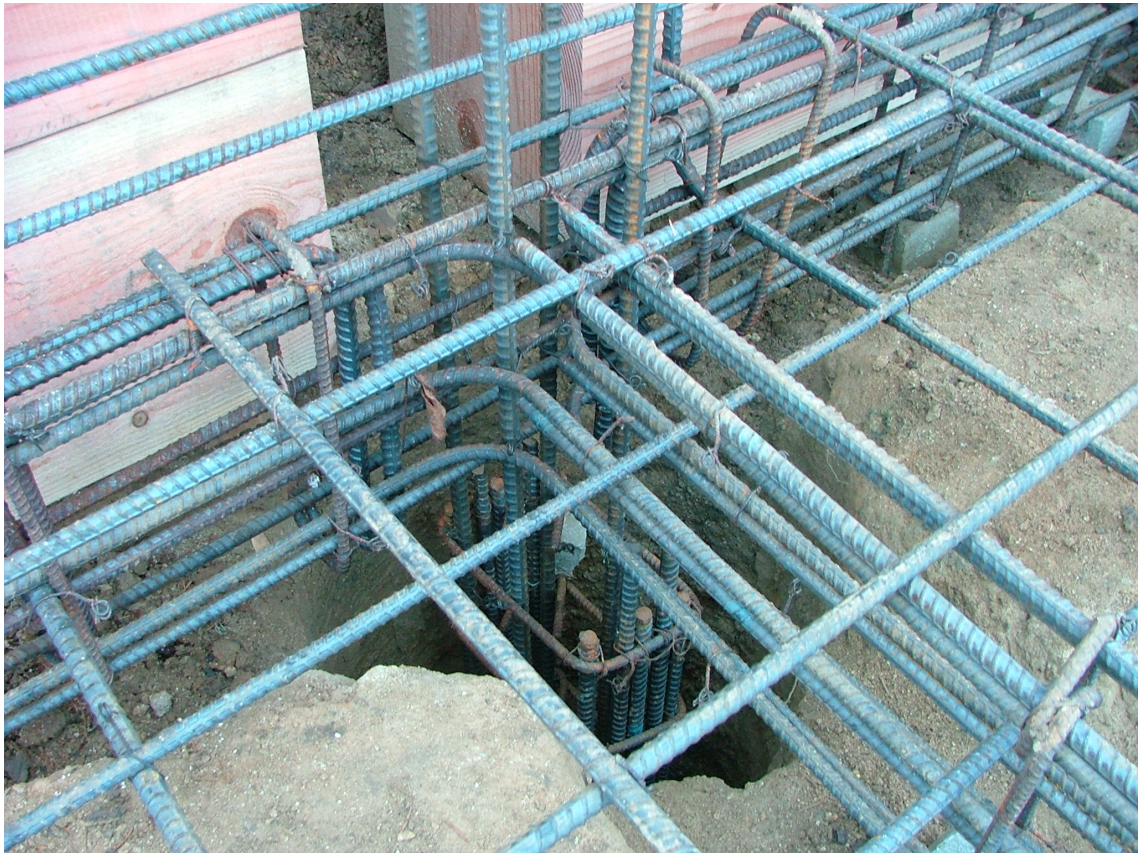
FOOTING DETAILS I

NEW RESIDENCE (Template 1)
9 Vallejo Avenue
Inverness Park, CA 94937

REV	DATE	DESCRIPTION
1		
2		
3		
4		
5		

REGISTERED PROFESSIONAL ENGINEER
ALISTAIR LIZARAZU
C 58550
Exp. 12/31/2024
CIVIL
STATE OF CALIFORNIA

SIGN DATE:	
DATE:	3/25/2023
SCALE:	AS NOTED
DRAWN BY:	AML
CHK BY:	
PROJECT:	202305.1
SHEET:	S.11



Grade Beam - Retaining Wall - Pier Cage Connection
(Details 3 and 4 from Sheet S.11, previous page)