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REVISION HISTORY	DATE
PLAN CHECK REVIEW	8-24-2020

**PROJECT**  
**RESIDENCE**  
**AT**

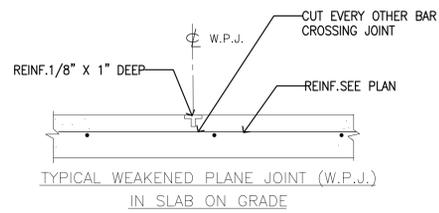
3766 Eastwood Cr.  
 Santa Clara, CA 95054



8-24-2020

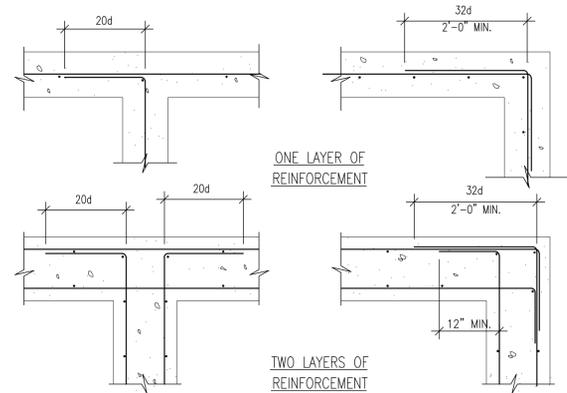
**STRUCTURAL  
 DETAILS**

Drawn by: EH Drawing Number: **SD2**  
 Checked by: MG  
 Project Number: 20-205 SHEET 5 OF 8



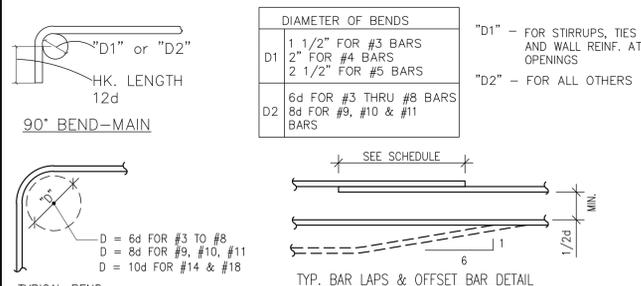
**JOINTS IN CONCRETE**  
 N.T.S.

13



**TYPICAL LAP SPLICES - CONC.**  
 N.T.S.

14

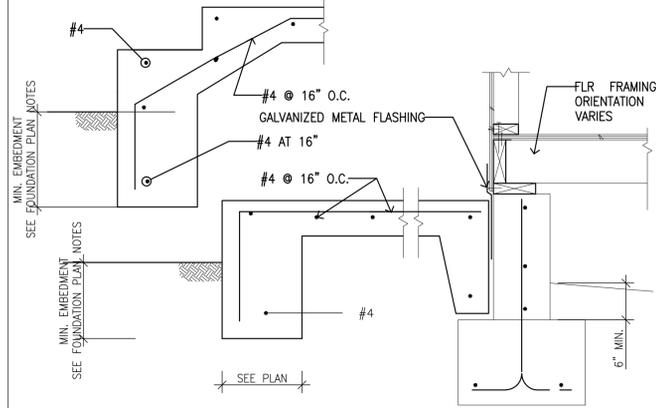


CONCRETE STRENGTH	F'c = 2500 & 3000 PSI				F'c = 4000 PSI			
	CLASS "A"		CLASS "B"		CLASS "A"		CLASS "B"	
CLASS OF LAP SPLICE	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
BAR CASE SIZE	#3	1'-10"	1'-5"	2'-4"	1'-10"	1'-7"	1'-3"	2'-0"
	#4	2'-5"	1'-10"	3'-1"	2'-5"	2'-1"	1'-7"	2'-8"
	#5	3'-0"	2'-4"	3'-11"	3'-0"	2'-7"	2'-0"	3'-4"
	#6	3'-7"	2'-9"	4'-8"	3'-7"	3'-1"	2'-5"	4'-0"
	#7	5'-3"	4'-0"	6'-9"	5'-2"	4'-8"	3'-6"	5'-11"
	#8	6'-0"	4'-7"	7'-9"	5'-11"	5'-2"	4'-0"	6'-9"
	#9	6'-9"	5'-2"	8'-9"	6'-9"	5'-10"	4'-6"	7'-7"

- NOTES:**
- UNLESS INDICATED OTHERWISE, USE THE CLASS "B" LAP SPLICE LENGTHS, MULTIPLIED BY THE APPLICABLE FACTOR(S) LISTED BELOW.
  - WHERE CLEAR SPACE BETWEEN BARS LAP SPliced AT ANY SECTION IS LESS THAN 2 BAR DIAMETERS, OR WHERE THE BAR COVER IS LESS THAN OR EQUAL TO THE BAR DIAMETER, INCREASE THE LAP LENGTH BY 50%.
  - A CLASS "A" SPLICE MAY BE USED ONLY WHERE NOTED ON THE DRAWINGS.
  - WHERE LIGHTWEIGHT AGGREGATE CONCRETE IS USED, INCREASE LAP SPLICE LENGTH BY 30%.
  - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
  - SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS SHALL BE STAGGERED.
  - SPLICES IN WALLS CONTAINING TWO CURTAINS OF REINFORCEMENT SHALL NOT OCCUR IN THE SAME LOCATION.
  - IN SHOTCRETE WALLS SPLICES IN REINFORCING BARS SHALL BE BY THE NON-CONTACT LAP SPLICE METHOD WITH AT LEAST 2 INCHES CLEARANCE BETWEEN BARS. THE BUILDING OFFICIAL MAY PERMIT THE USE OF CONTACT LAP SPLICES WHEN NECESSARY FOR THE SUPPORT OF THE REINFORCING PROVIDED IT CAN BE DEMONSTRATED BY MEANS OF PRE-CONSTRUCTION TESTING, THAT ADEQUATE ENCASEMENT OF THE BARS AT THE SPLICE CAN BE ACHIEVED, AND PROVIDED THAT THE SPLICES ARE PLACED SO THAT A LINE THROUGH THE CENTER OF THE TWO SPLICED BARS IS PERPENDICULAR TO THE SURFACE OF THE SHOTCRETE WORK.

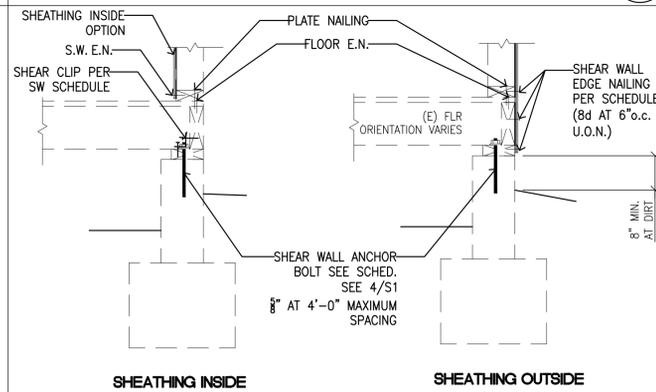
**REBAR OFFSET AND LAP SPLICE**  
 N.T.S.

16



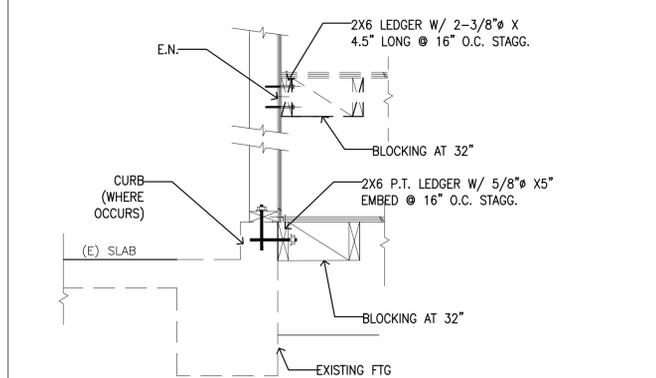
**EXTERIOR STEPS + FOOTING • ENTRY**  
 N.T.S.

9



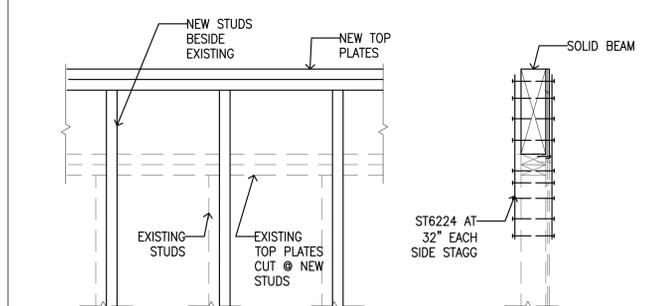
**(N) SHEAR AT EXISTING WALL**  
 N.T.S.

10



**FLOOR AT EXISTING GARAGE FTG**  
 N.T.S.

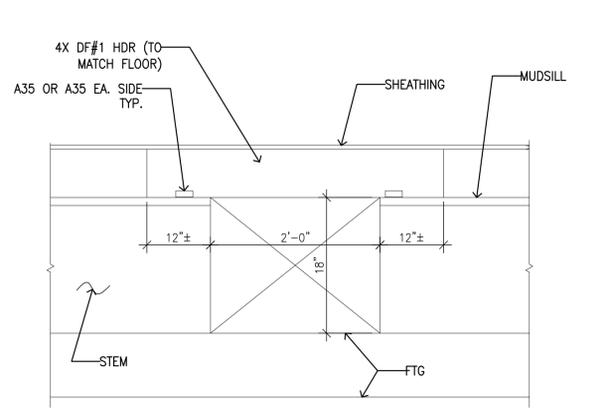
11



**OPTION 1**  
**RAISING TOP PLATES**  
 N.T.S.

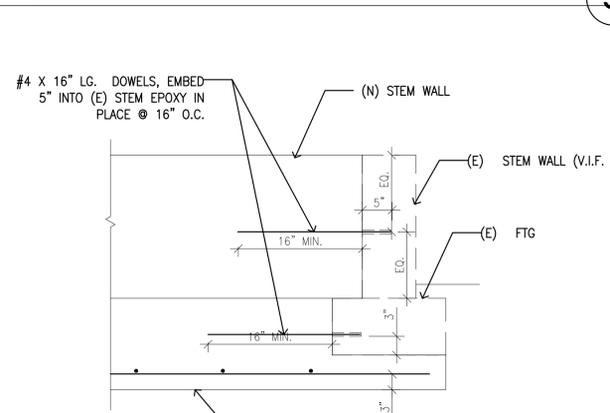
**OPTION 2**

12



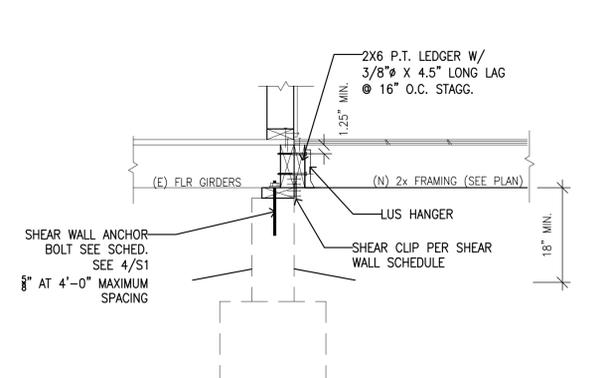
**ACCESS OPENING IN STEM WALL**  
 N.T.S.

5



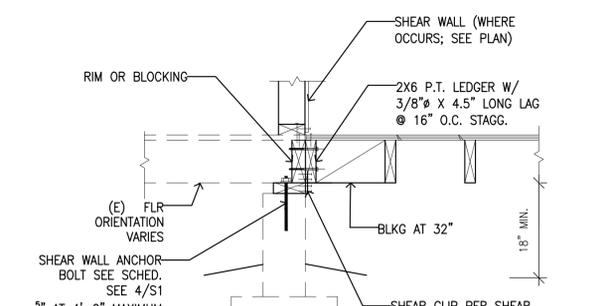
**DET. BET. NEW AND EXISTING FTGS.**  
 N.T.S.

6



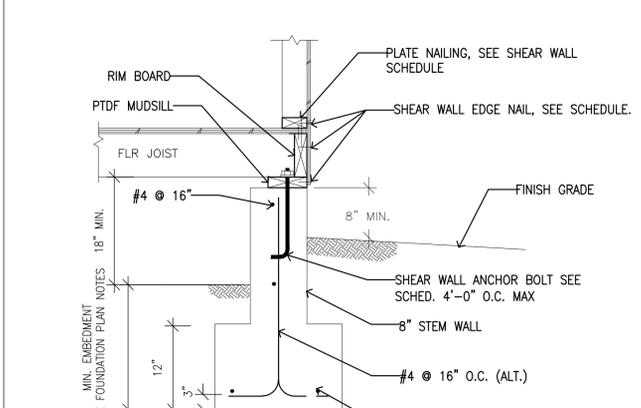
**(N) FLOOR • (E) FLOOR**  
 N.T.S.

7



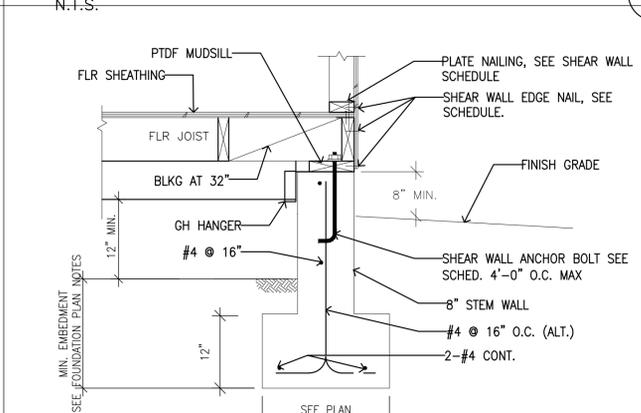
**(N) FLOOR • (E) FLOOR**  
 N.T.S.

8



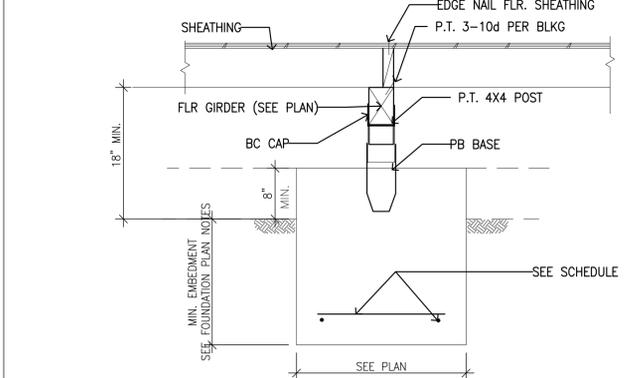
**FLOOR AT FOOTING**  
 N.T.S.

1



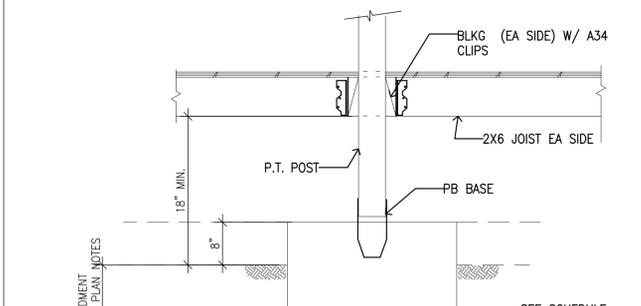
**FLOOR AT FOOTING**  
 N.T.S.

2



**ISOLATED FOOTING**  
 N.T.S.

3



**INTERIOR POST FOOTING**  
 N.T.S.

4