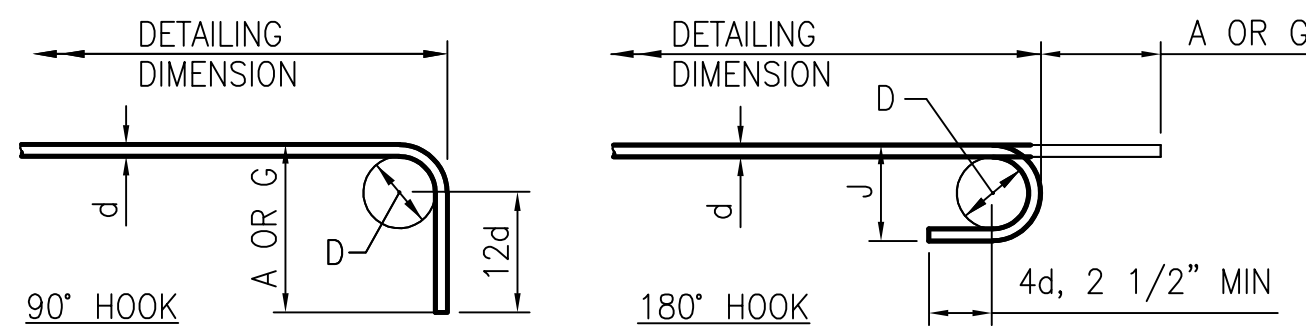


STIRRUP / TIE HOOK				
BAR SIZE	D	90° HOOKS	135° HOOKS	
		A OR G	A OR G	APPROX H
#3	1½"	4"	4½"	3"
#4	2"	4½"	4½"	3"
#5	2½"	6"	5½"	3¾"
#6	4½"	1'-0"	8"	4½"
#7	5¼"	1'-2"	9"	5¼"
#8	6"	1'-4"	10½"	6"



MAIN REBAR HOOK				
BAR SIZE	D	90° HOOKS	180° HOOKS	
		A OR G	J	A OR G
#3	2¼"	6"	3"	5"
#4	3"	8"	4"	6"
#5	3¾"	10"	5"	7"
#6	4½"	1'-0"	6"	8"
#7	5¼"	1'-2"	7"	10"
#8	6"	1'-4"	8"	11"
#9	9½"	1'-7"	11¾"	1'-3"
#10	10¾"	1'-10"	1'-1¼"	1'-5"
#11	1'-0"	2'-0"	1'-2¾"	1'-7"
#14	1'-6¼"	2'-7"	1'-9¾"	2'-3"
#18	2'-0"	3'-5"	2'-4½"	3'-0"

TYPICAL REINFORCEMENT BAR HOOKS AND BENDS

	f'c = 4,000 PSI				
	MIN DEVELOPMENT LENGTH			MIN LAP SPlice LENGTH	
	STRAIGHT		HOOKE		
BAR SIZE	TOP	OTHER	—	TOP	OTHER
#3	1'-7"	1'-3"	0'-8"	2'-0"	1'-7"
#4	2'-1"	1'-7"	0'-10"	2'-8"	2'-1"
#5	2'-7"	2'-0"	1'-0"	3'-5"	2'-7"
#6	3'-1"	2'-5"	1'-3"	4'-1"	3'-1"
#7	4'-6"	3'-6"	1'-5"	5'-11"	4'-8"
#8	5'-2"	4'-0"	1'-7"	6'-9"	5'-2"
#9	5'-10"	4'-6"	1'-10"	7'-7"	5'-10"
#10	6'-7"	5'-1"	2'-1"	8'-6"	6'-7"
#11	7'-3"	5'-7"	2'-3"	9'-5"	7'-3"

DEVELOPMENT LENGTH & LAP SPLICE SCHEDULE

	f'c = 3,000 PSI				
	MIN DEVELOPMENT LENGTH			MIN LAP SPICE LENGTH	
	STRAIGHT		HOOKED		
BAR SIZE	TOP	OTHER	—	TOP	OTHER
#3	1'-10"	1'-5"	0'-9"	2'-4"	1'-10"
#4	2'-5"	1'-10"	0'-11"	3'-1"	2'-5"
#5	3'-0"	2'-4"	1'-2"	3'-11"	3'-0"
#6	3'-7"	2'-9"	1'-5"	4'-8"	3'-7"
#7	5'-3"	4'-0"	1'-8"	6'-9"	5'-3"
#8	6'-0"	4'-7"	1'-10"	7'-9"	6'-0"
#9	6'-9"	5'-2"	2'-1"	8'-9"	6'-9"
#10	7'-6"	5'-10"	2'-4"	9'-10"	7'-6"
#11	8'-5"	6'-6"	2'-7"	10'-11"	8'-5"

DEVELOPMENT LENGTH & LAP SPLICE SCHEDULE

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 10/26/21 10:41, BY: VYU				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
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	Date:
Acting Section Mgr: RAYMOND LUI <i>Raymond Lui</i>	10/28/2021
Deputy Bureau Mgr: FERNANDO CISNEROS <i>Fernando Cisneros</i>	12/09/2021
Acting Bureau Mgr: IQBAL DHAPA <i>Iqbal Dhapa</i>	12/10/2021



SCALE:
AS SHOWN
SHEET OF SHEETS
169 OF 210

MISSION ST AND GENEVA AVE IMPROVEMENT PROJECT

STRUCTURAL TYPICAL CONCRETE DETAILS

SOURCING ID NO.	0000005626
DRAWING NO.	ST-1.05
FILE NO.	120,735
REV. NO.	0