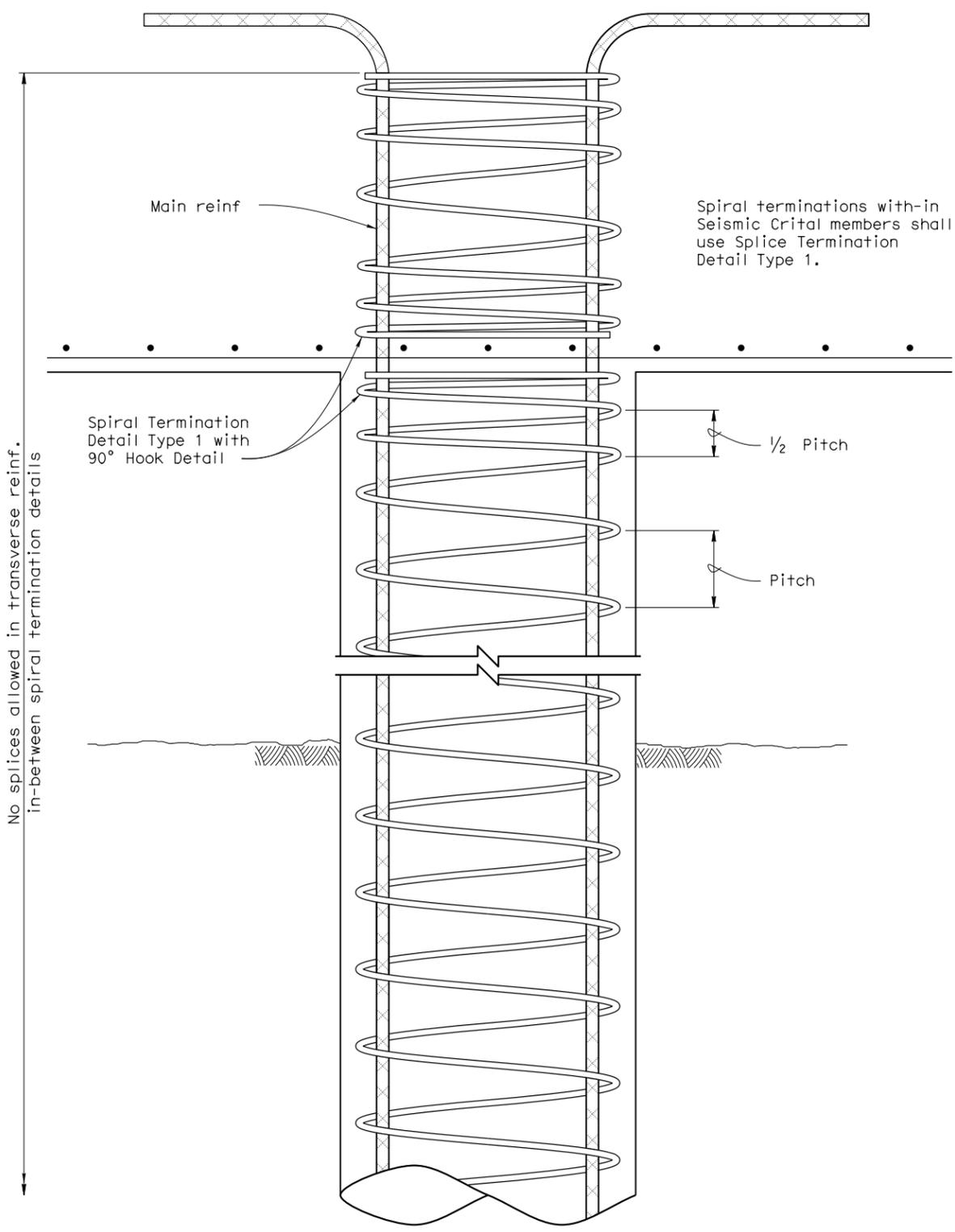
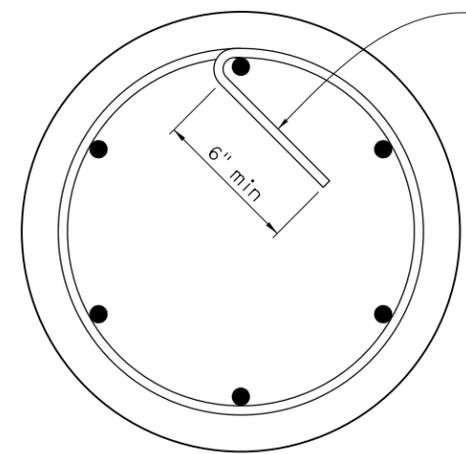


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X			
REGISTERED CIVIL ENGINEER				DATE	
PLANS APPROVAL DATE					
REGISTERED PROFESSIONAL ENGINEER No. X Exp. X CIVIL STATE OF CALIFORNIA					
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>					



SPIRAL ELEVATION

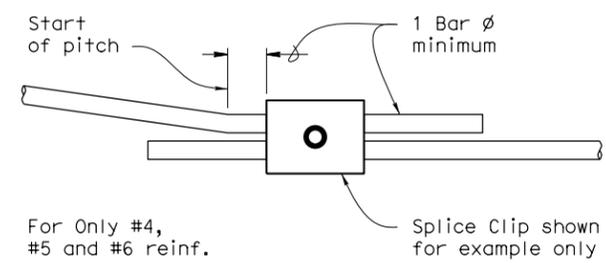
Spiral terminations with-in Seismic Critical members shall use Splice Termination Detail Type 1.



Spiral terminations shall have 80 bar diameter lap splice in addition to a 6" long 135° hook

SPIRAL ANCHOR 135° HOOK DETAIL

SPIRAL TERMINATION DETAIL TYPE 2 \*



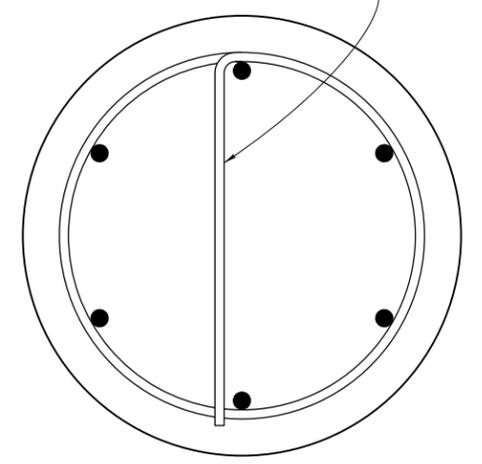
For Only #4, #5 and #6 reinf.

MECHANICAL LAP SPLICE

SPIRAL TERMINATION DETAIL TYPE 3 \*

\* Spiral Details Type 2 & 3 Mechanical Lap Splice or 135° Hook Detail shall only be used where allowed by Table 1.

Spiral terminations to have an extra turn with 1/2 the pitch in addition to a 90° hook extended through column core, as shown



SPIRAL ANCHOR 90° HOOK DETAIL

SPIRAL TERMINATION DETAIL TYPE 1

Notes:

1. Hooks for Spiral Termination Details Type 1 & 2 shall line up so as not to interfere with construction operations.
2. Inspection tubes are not shown.

**MEMO TO DESIGNERS**  
**20 - 9 ATTACHMENT B**

**SPIRAL ANCHOR DETAILS**

DESIGN	BY	CHECKED	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DIVISION OF ENGINEERING SERVICES</b> <b>STRUCTURE DESIGN</b> <b>DESIGN BRANCH</b>	BRIDGE NO.	X
DETAILS	BY	CHECKED			POST MILE	X
QUANTITIES	BY	CHECKED				

USERNAME => 8117RAD DATE PLOTTED => 26-APR-2016 TIME PLOTTED => 11:18