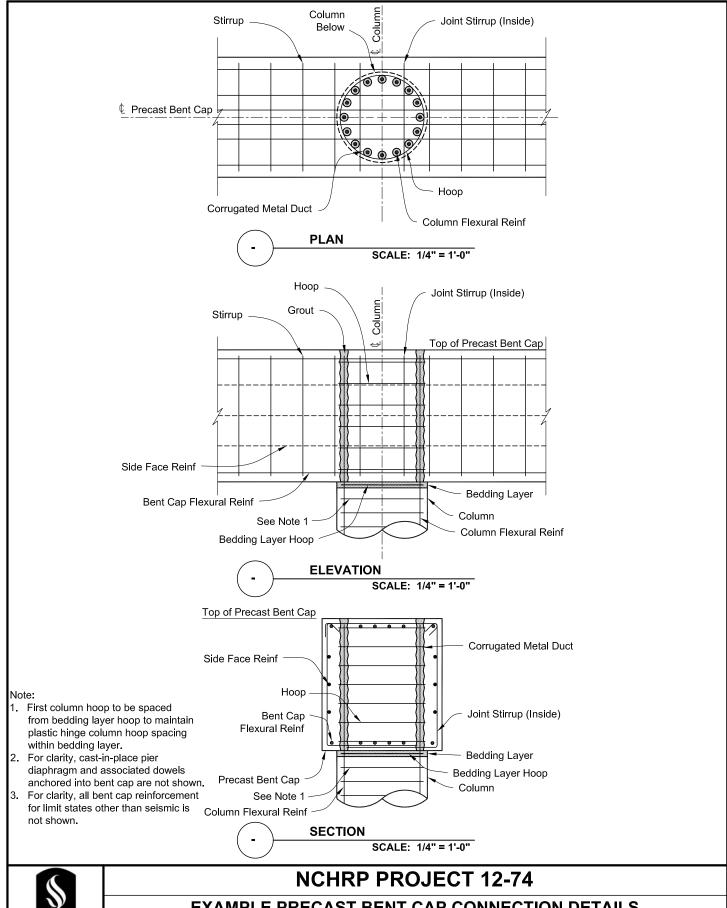
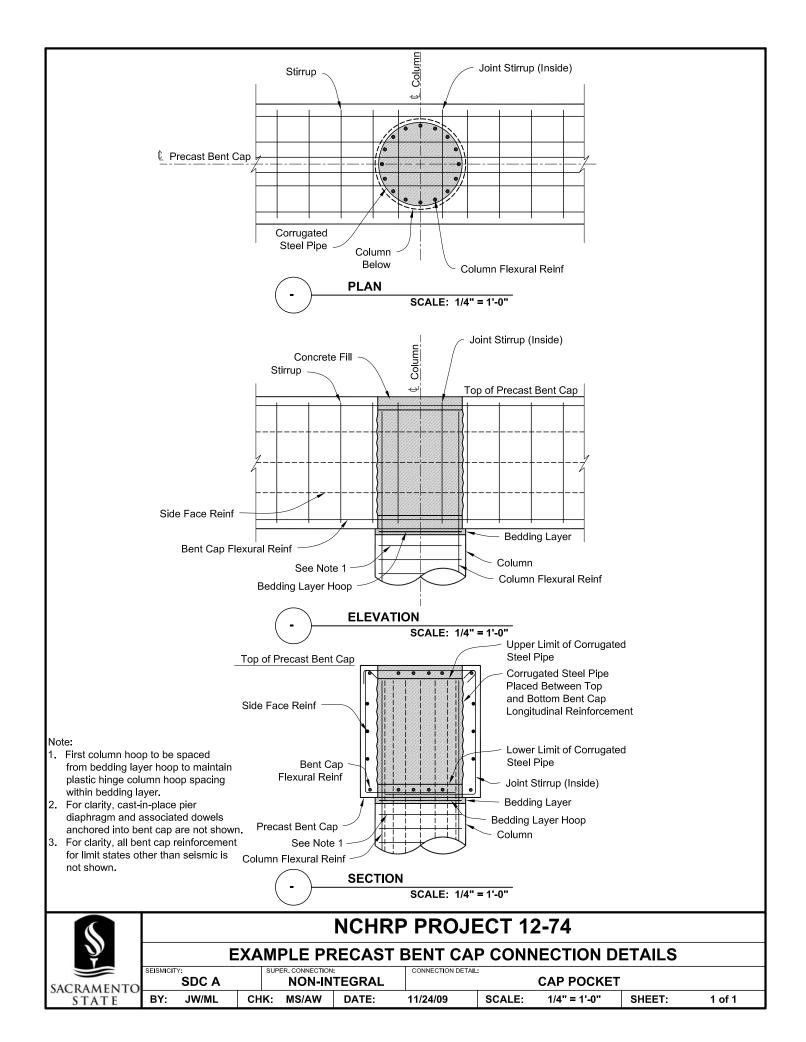
ECD Attachments

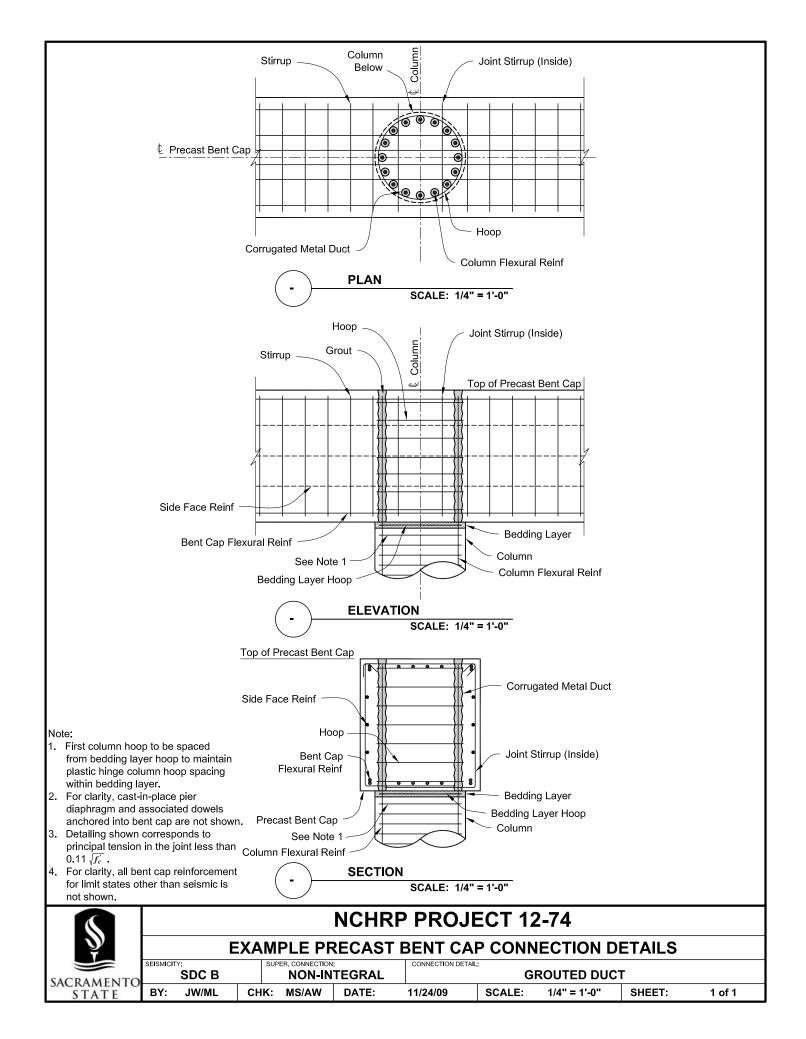
Example Connection Details

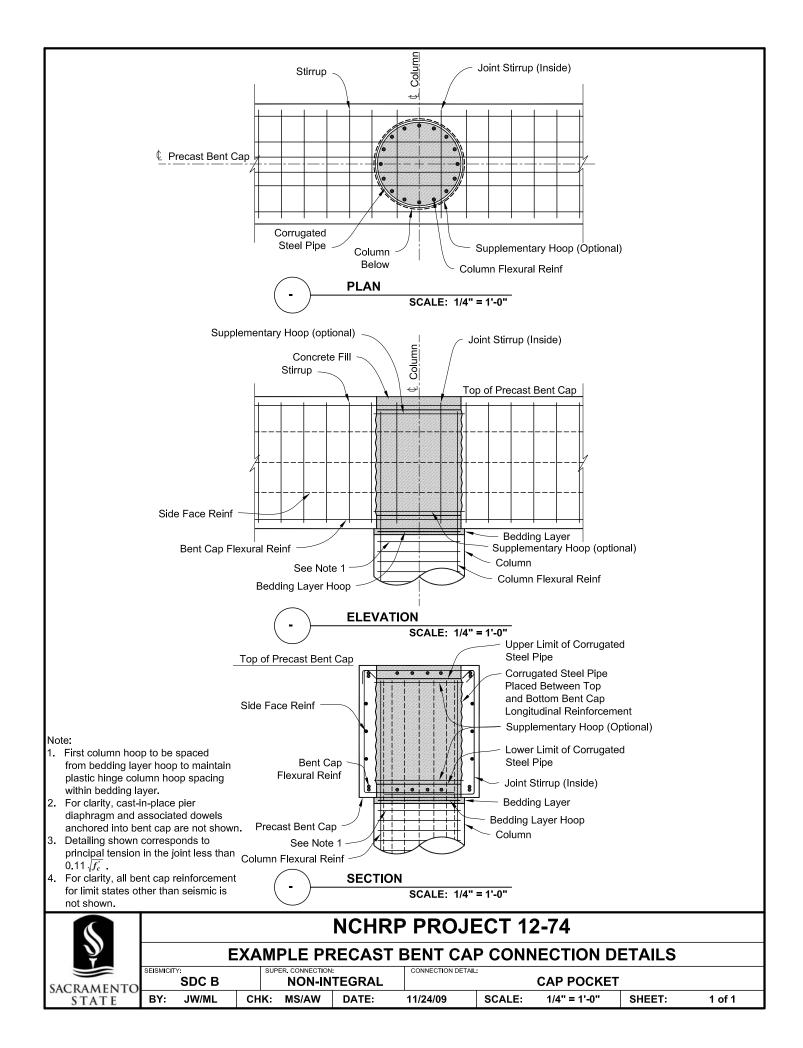
- Attachment ECD1: SDC A—Grouted Duct Connection.
 - Example bent cap details for grouted duct connection in SDC A
- <u>Attachment ECD2</u>: SDC A—Cap Pocket Connection.
 - o Example bent cap details for cap pocket connection in SDC A
- Attachment ECD3: SDC B—Grouted Duct Connection
 - o Example bent cap details for grouted duct connection in SDC B (minimum joint reinforcement used)
- Attachment ECD4: SDC B—Cap Pocket Connection.
 - Example bent cap details for cap pocket connection in SDC B (minimum joint reinforcement used)
- Attachment ECD5: SDCs B, C and D—Grouted Duct Connection.
 - Example bent cap details for grouted duct connection in SDCs B, C, and D (additional joint reinforcement required)
- Attachment ECD6: SDCs B, C and D—Cap Pocket Connection.
 - Example bent cap details for cap pocket connection in SDCs B, C, and D (additional joint reinforcement required)
- Attachment ECD7: SDCs B, C and D—Hybrid Connection.
 - o Example bent cap details for hybrid connection in SDCs B, C, and D
- <u>Attachment ECD8</u>: SDCs B, C and D—Integral Connection.
 - o Example bent cap details for integral connection in SDCs B, C, and D

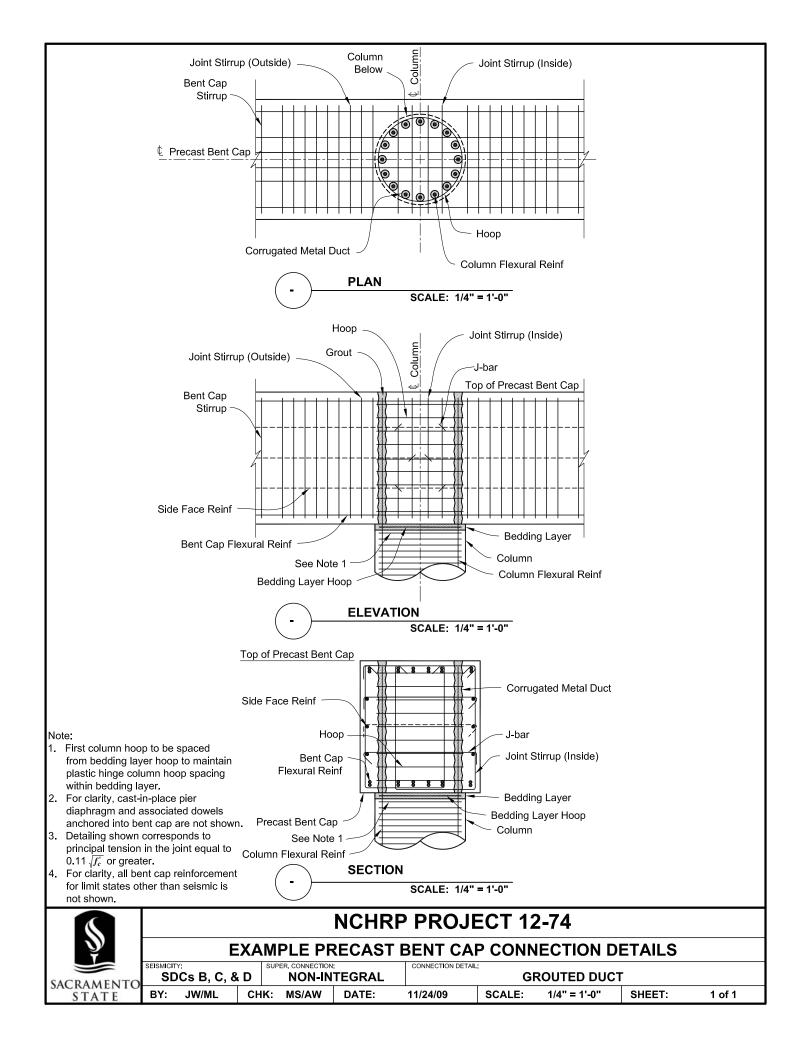


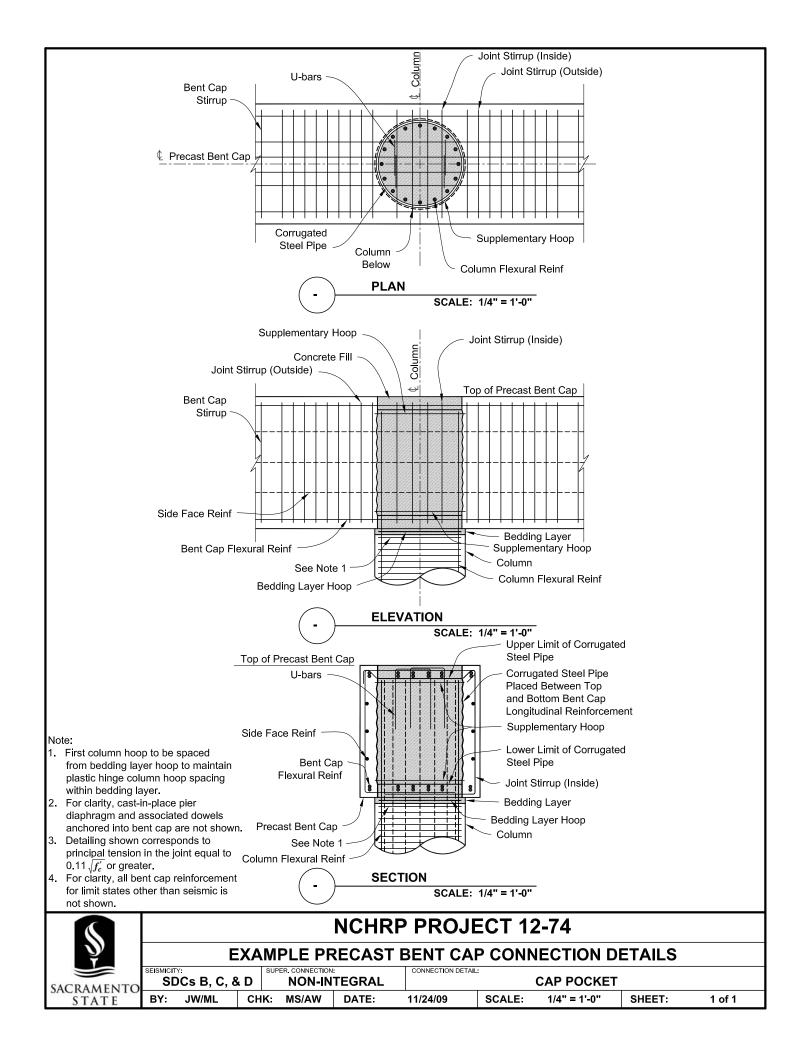


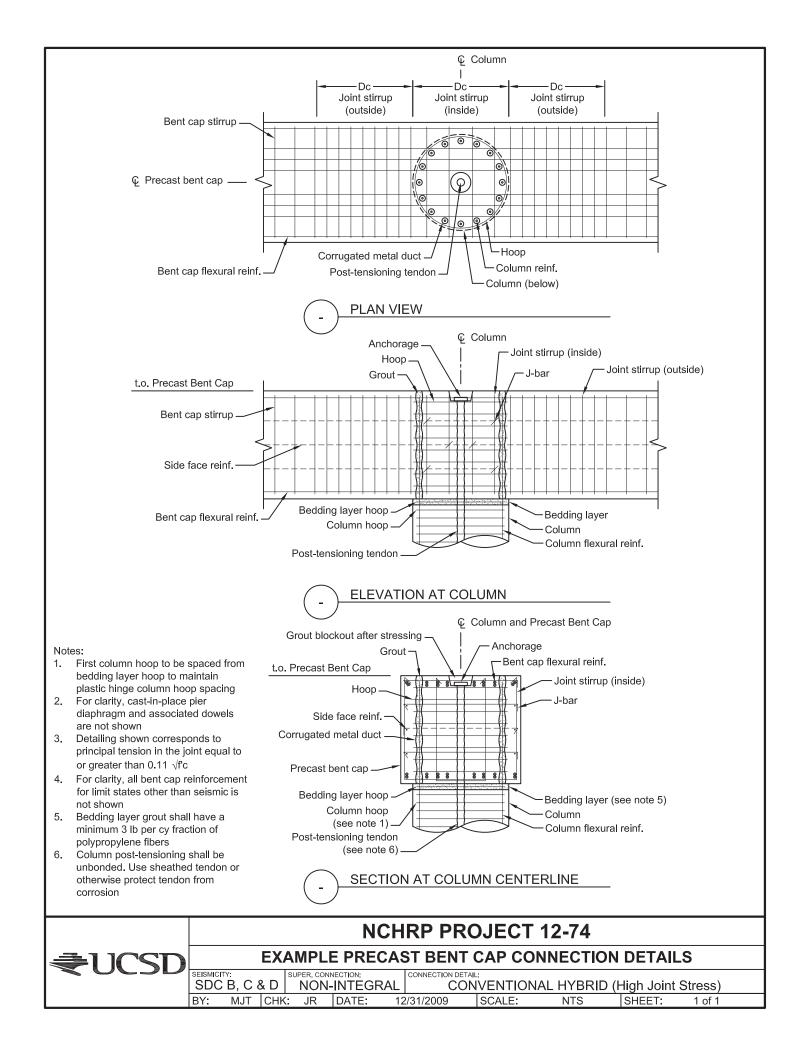


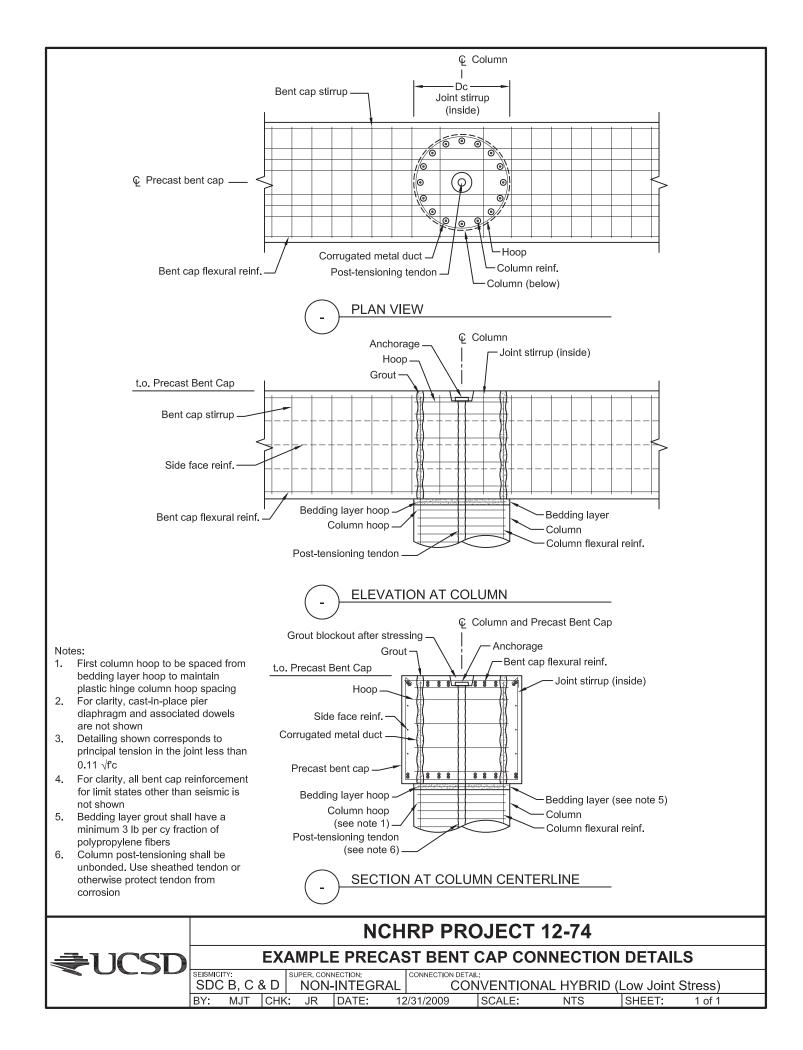


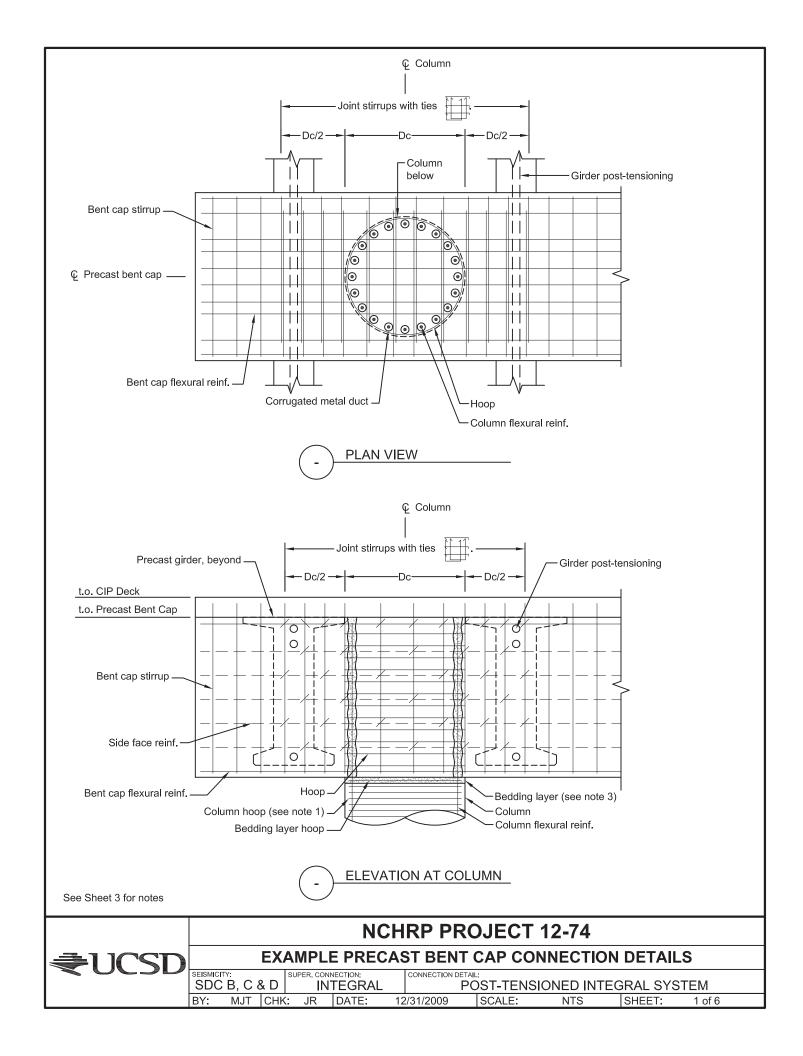


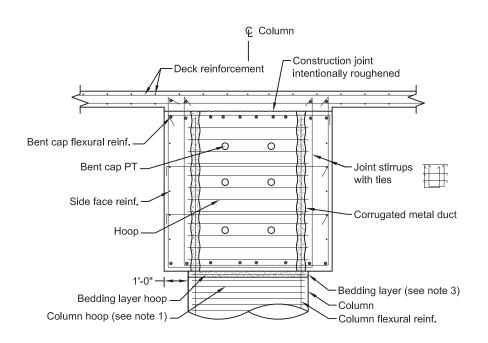




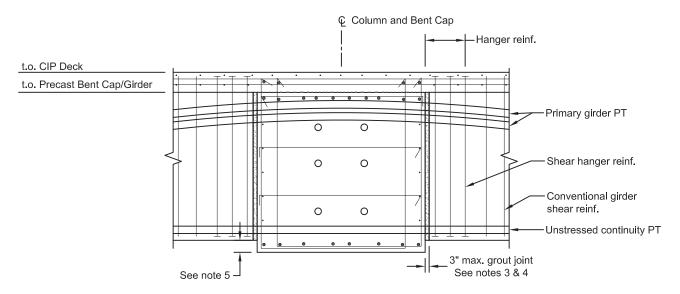














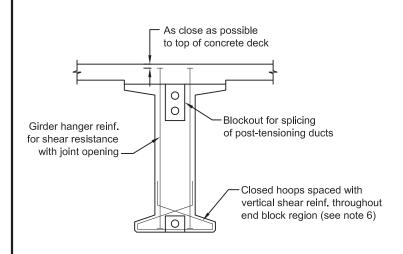
See Sheet 3 for notes

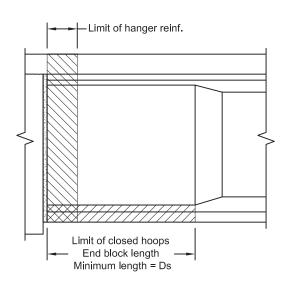


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EXAMPLE PRECAST BENT CAP CONNECTION DETAILS

J	SEISMICITY	SEISMICITY: SUPER, CONNECTION:						CONNECTION DETAIL:						
	SDC	SDC B, C & D INTEG		ΓEGRAL		PC	ST-TEN	ISIONED INTEC	BRAL SYS	STEM				
	BY:	MJT	CHK	: JR	DATE:	12/31/2	009	SCALE:	NTS	SHEET:	2 of 6			



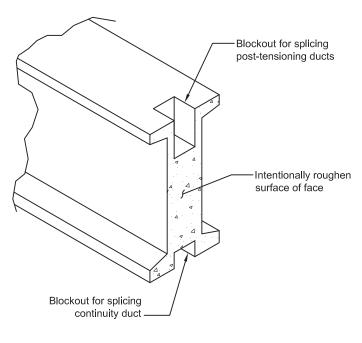




GIRDER END DETAILING



- First column hoop to be spaced from bedding layer hoop to maintain plastic hinge column hoop spacing
- For clarity, all bent cap reinforcement for limit states other than seismic not shown
- Bedding layer and superstructure closure joint grout shall have a minimum 3 lb per cy fraction of polypropylene fibers
- For superstructure closure joints greater than 3", joint shall be constructed of concrete and reinforced to ensure the integrity of the joint is maintained
- Extend bent cap depth past bottom of girder to allow for splicing of continuity post-tensioning through bent cap
- Closed hoops shall be the same size as conventional girder shear reinf. in end block



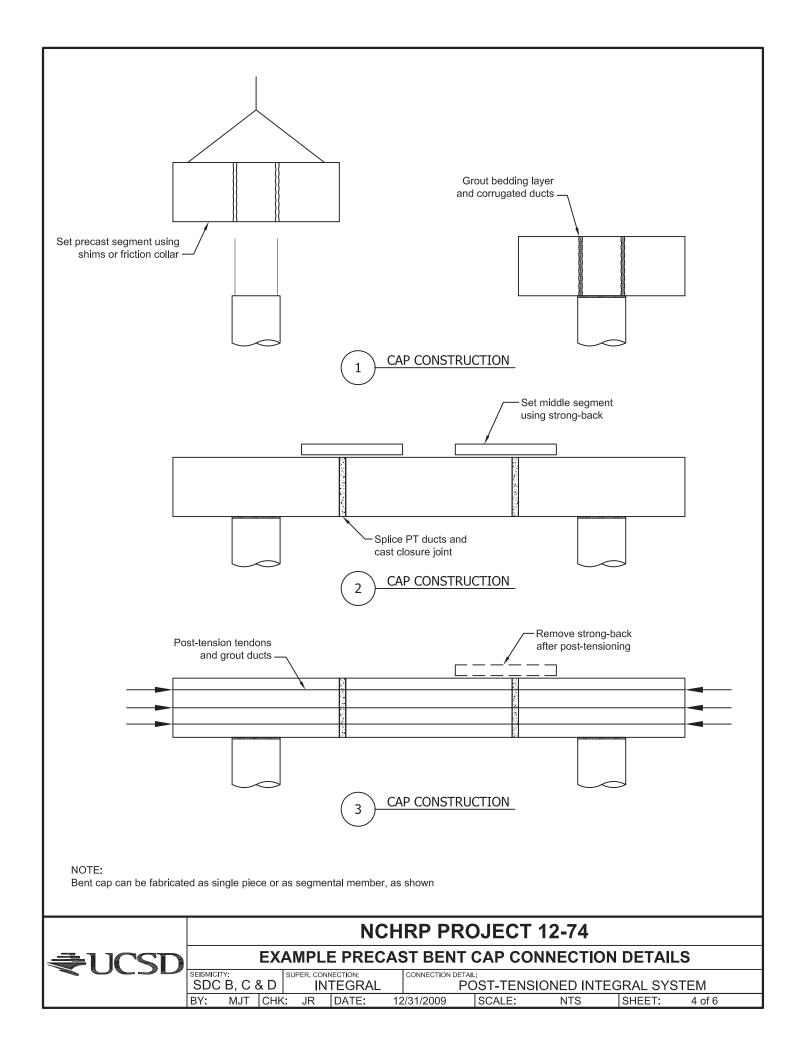


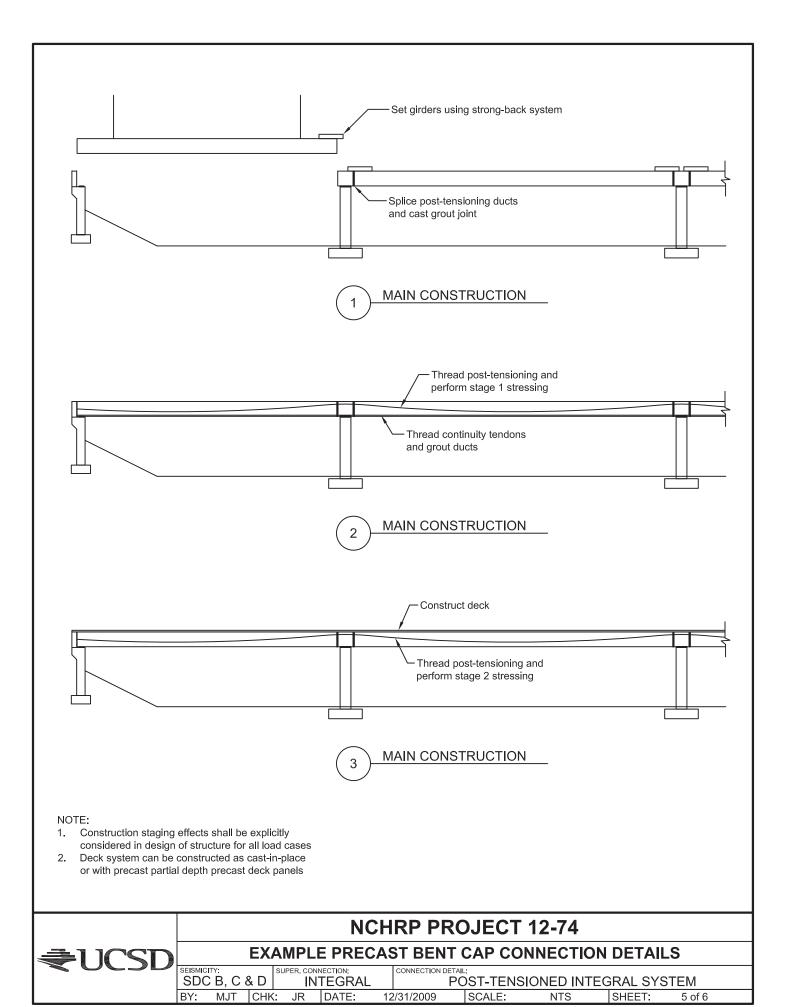


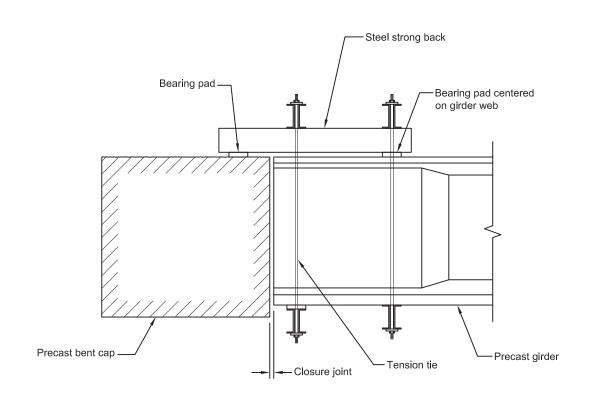
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EXAMPLE PRECAST BENT CAP CONNECTION DETAILS

EXAMPLE PRECAST BENT CAP CONNECTION DETAILS											
	SEISMICITY: SUPER. CONNECTION:				CONNECTION DETAIL:						
SDC B, C & D INTEGRAL				IEGRAL	POST-TENSIONED INTEGRAL SYSTEM						
BY:	MJT	CHK	: JR	DATE: 1	2/31/2009	SCALE:	NTS	SHEET:	3 of 6		







NOTE: Design strong back to provide adequate access to blockouts for splicing of post-tensioning ducts





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EXAMPLE PRECAST BENT CAP CONNECTION DETAILS

J	SEISMICIT	TY:		SUPER, CON	NECTION:	CONNECTION DETA	CONNECTION DETAIL;					
	SDC B, C & D		IN	TEGRAL	P		SIONED INTEG	RAL SYS	STEM			
	BY:	MJT	СНК	: JR	DATE:	12/31/2009	SCALE:	NTS	SHEET:	6 of 6		