

## **APPENDIX B**

### **CONSTRUCTION PLANS OF THE SEMI-INTEGRAL ABUTMENT SPECIMENS**

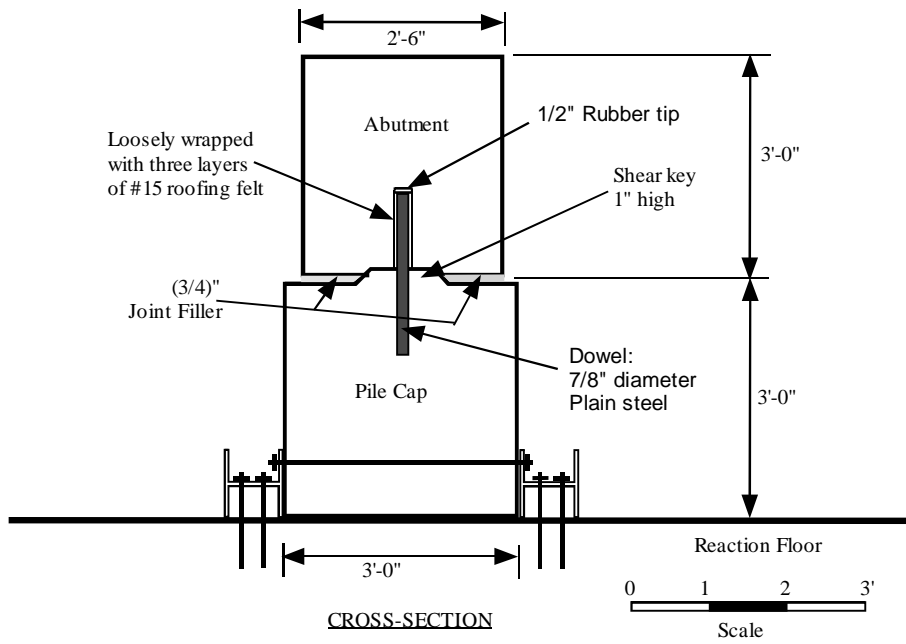


Figure B1. Drawings of VDOT semi-integral abutment with a concrete shear key

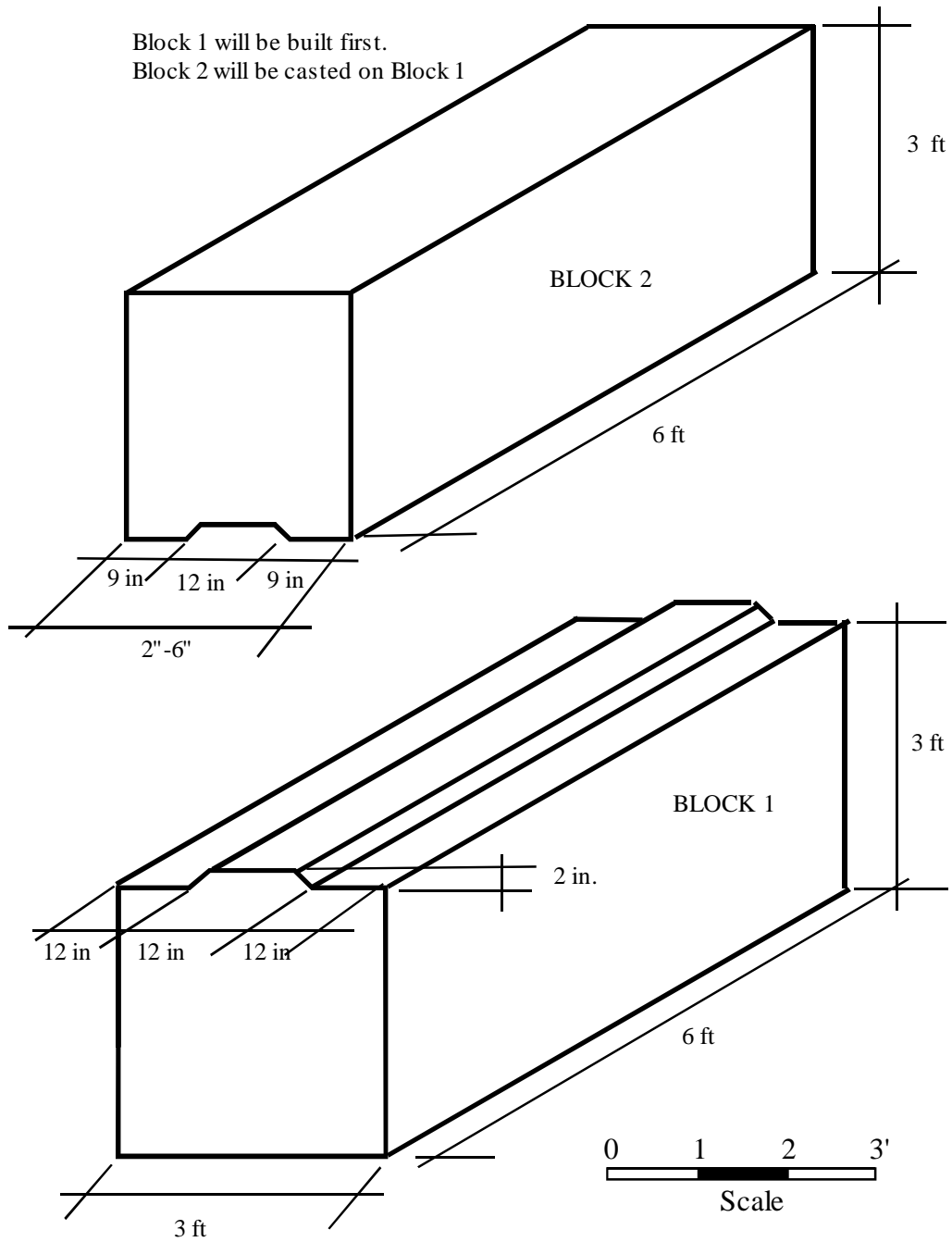


Figure B1 (Continued). Drawings of VDOT semi-integral abutment with a concrete shear key

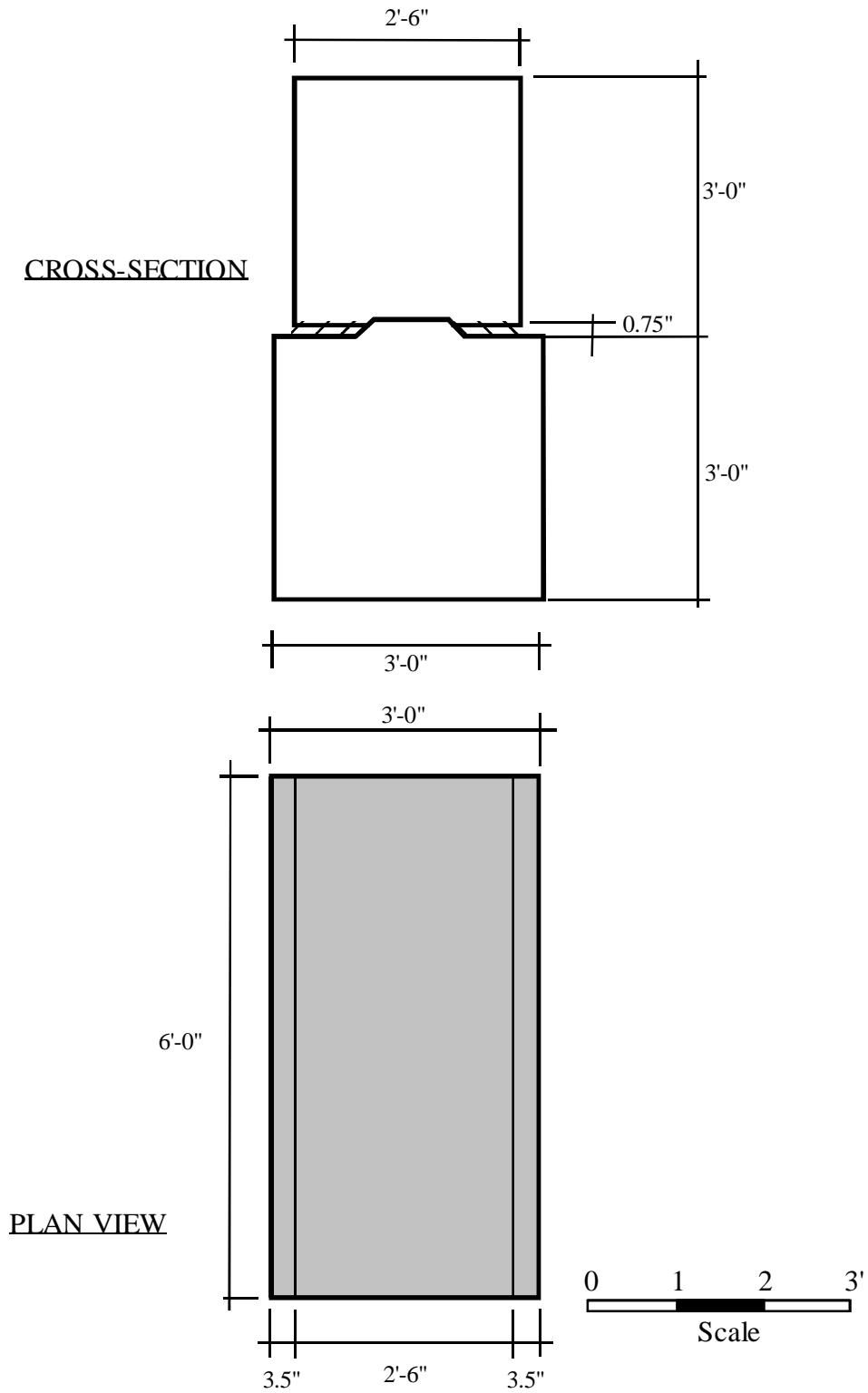


Figure B1 (Continued). Drawings of VDOT semi-integral abutment with a concrete shear key

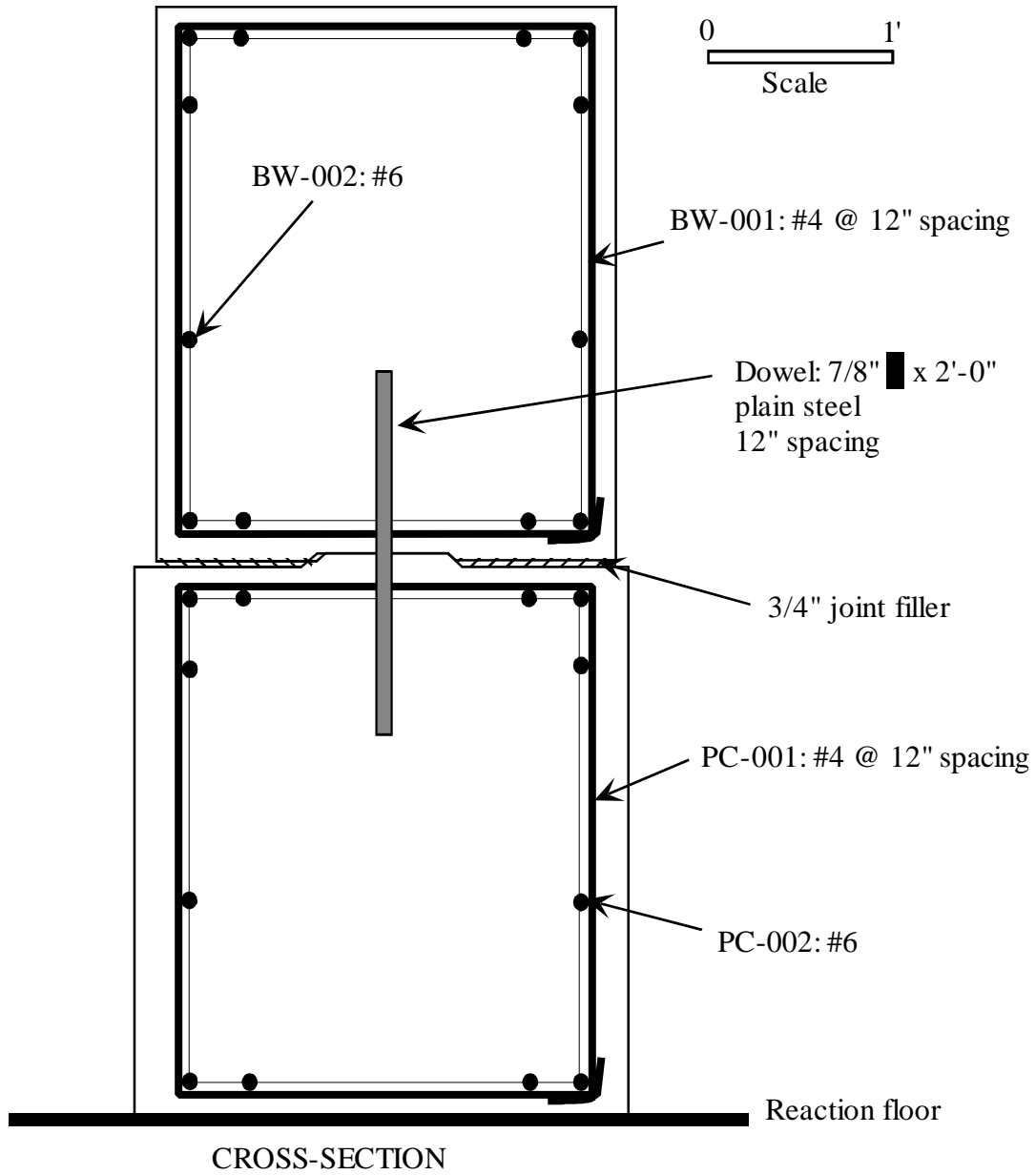
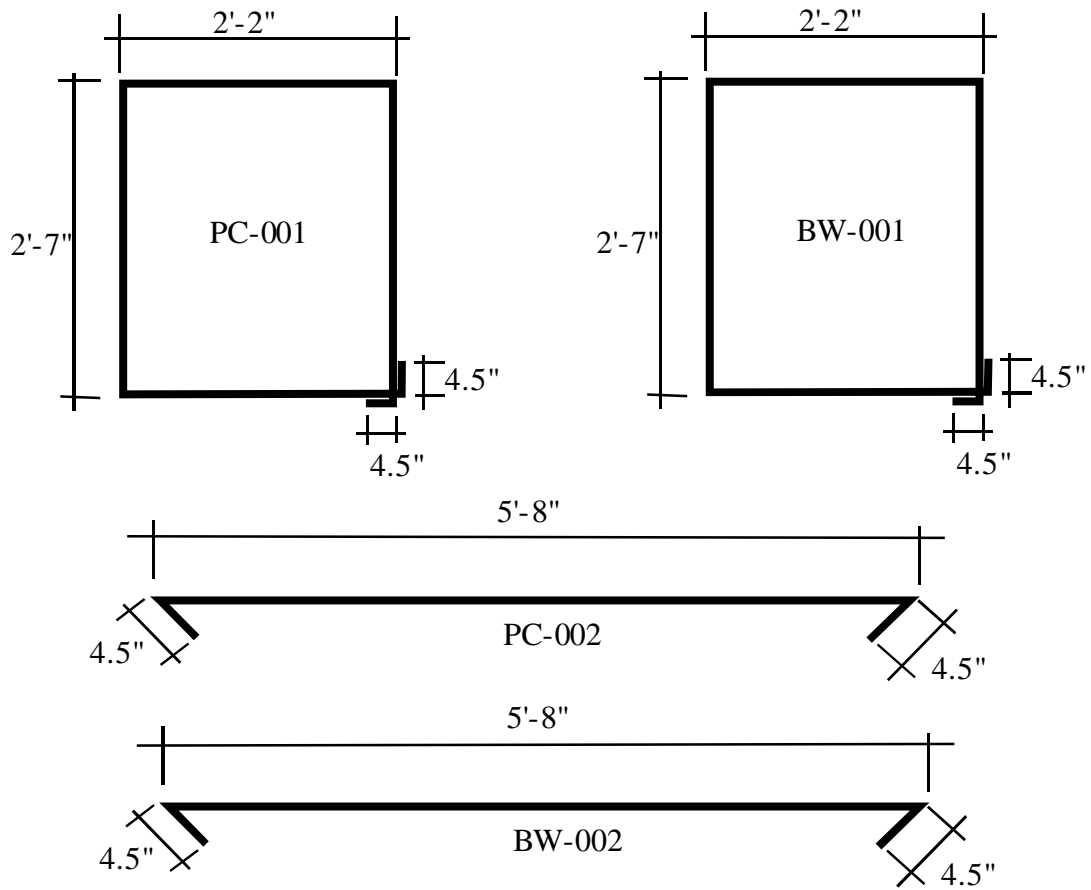


Figure B1 (Continued). Drawings of VDOT semi-integral abutment with a concrete shear key



MARK	No.	Bar size	Length	Location
PC-001	7	# 4	10'-3"	Pile cap
BW-001	7	# 4	10'-3"	Back-wall
PC-002	12	# 6	6'-5"	Pile cap
BW-002	12	# 6	6'-5"	Back-wall

Figure B1 (Continued). Drawings of VDOT semi-integral abutment with a concrete shear key

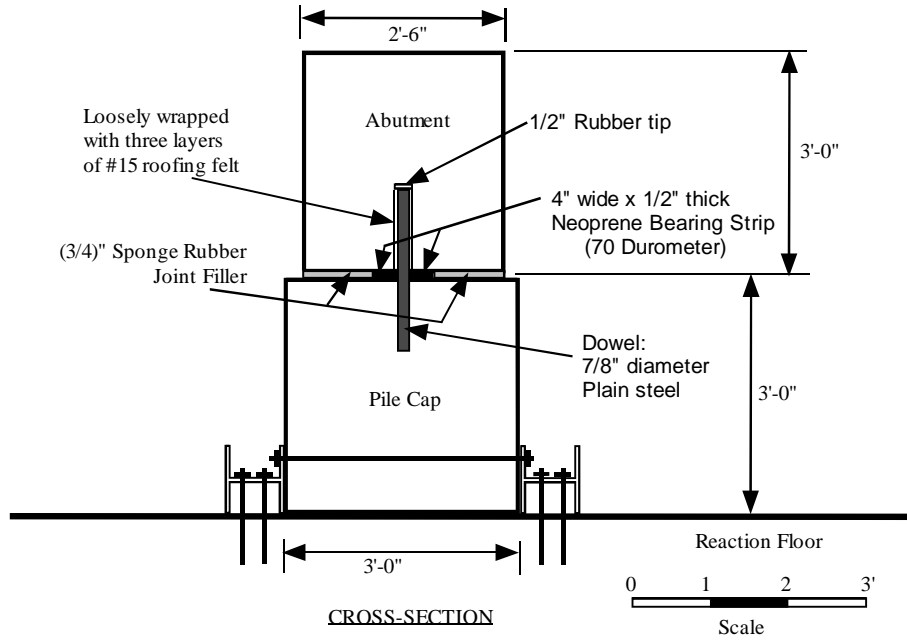


Figure B2. Drawings of the revised VDOT semi-integral abutment without a concrete shear key

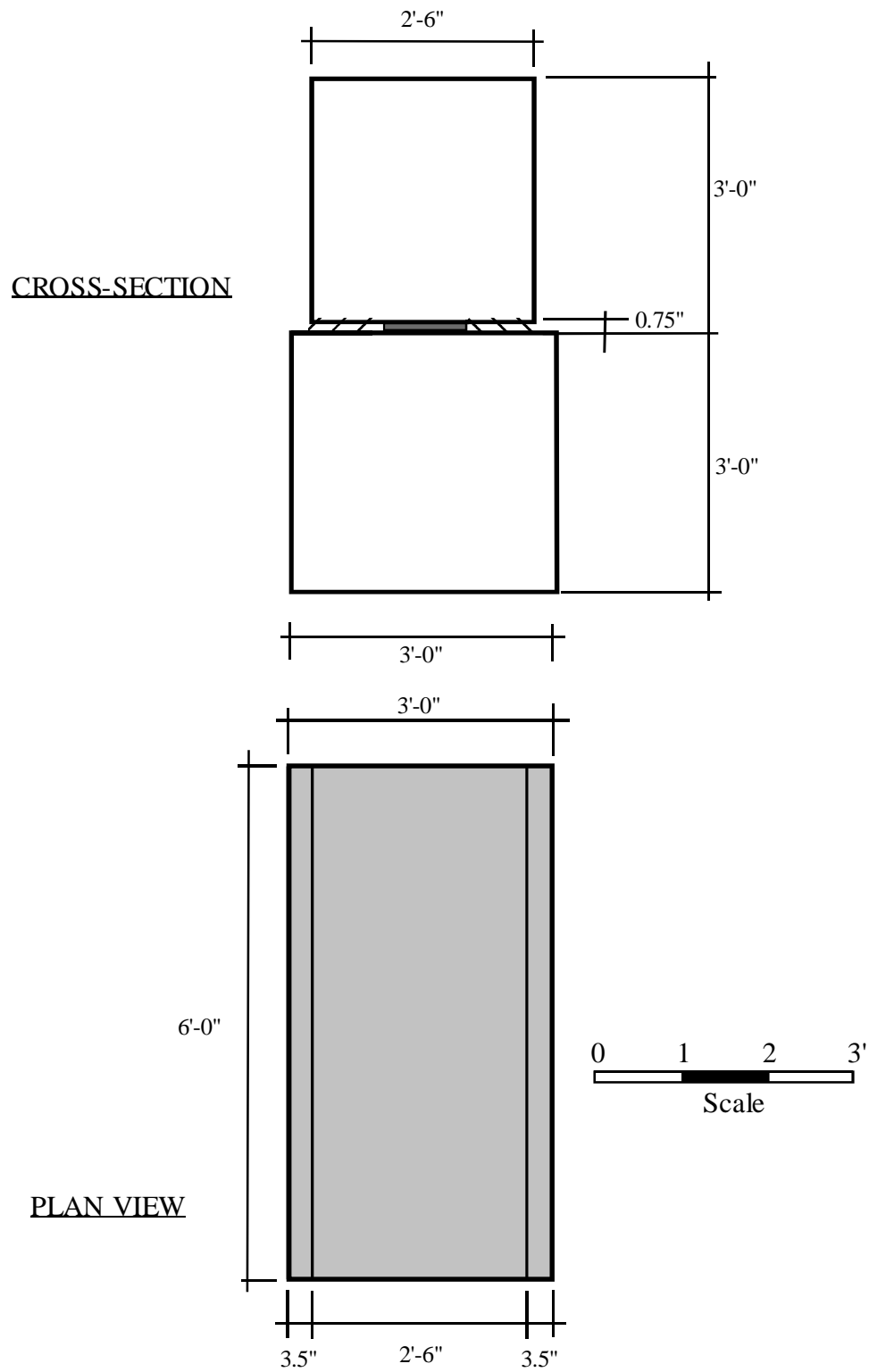


Figure B2 (Continued). Drawings of the revised VDOT semi-integral abutment without a concrete shear key



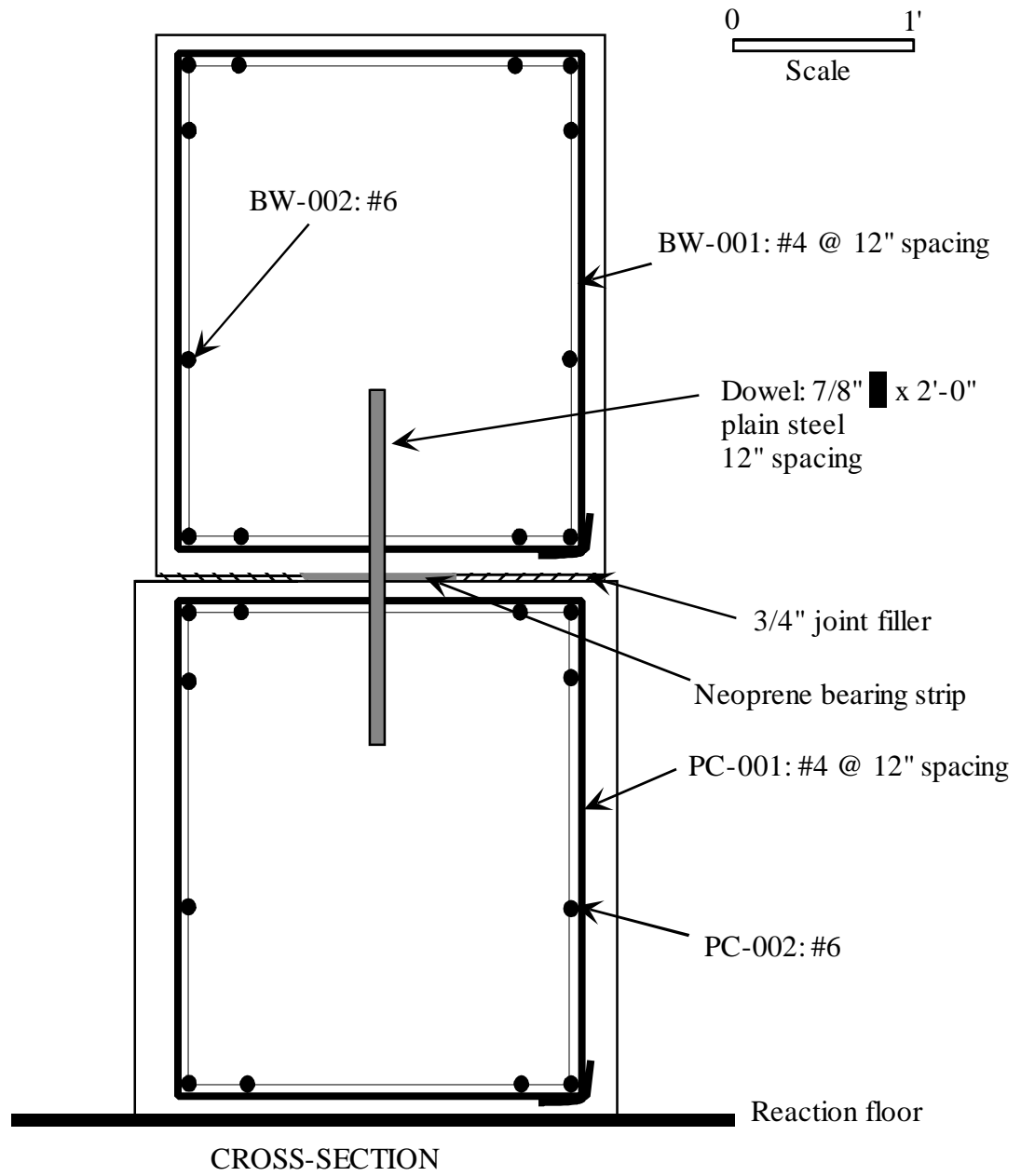
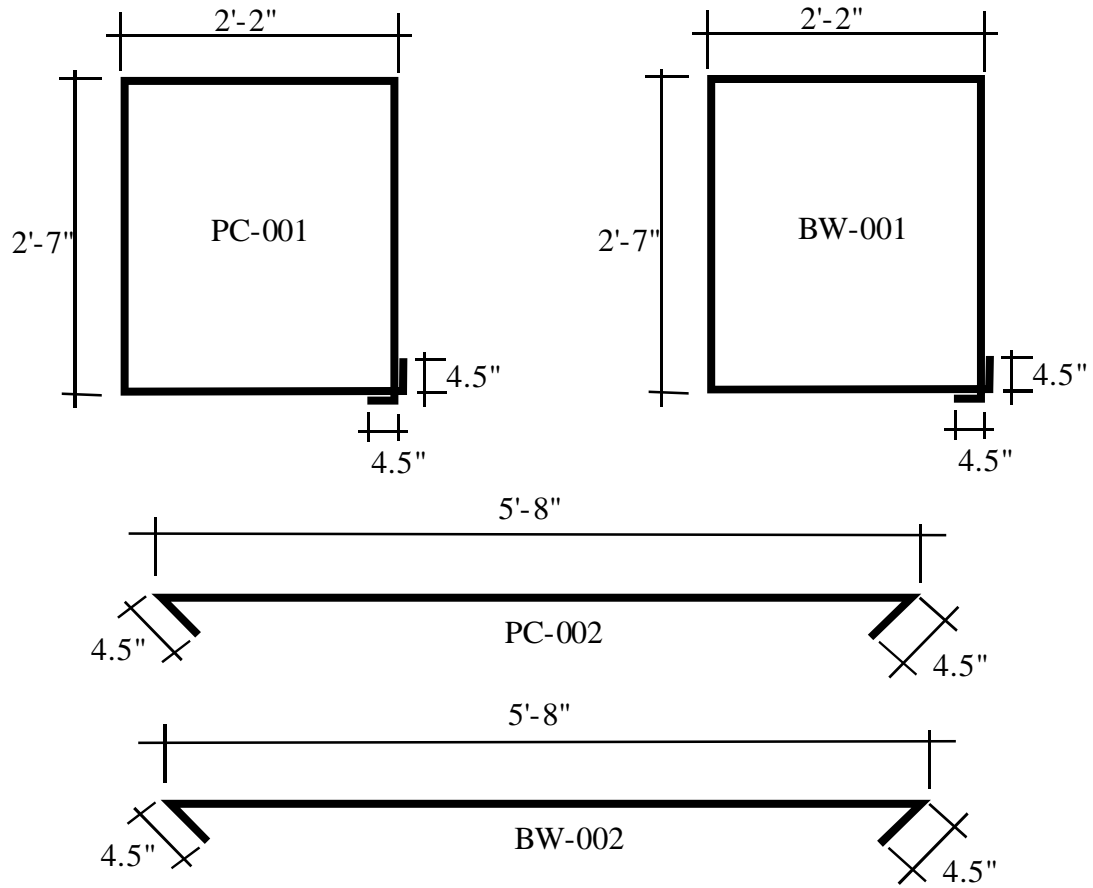


Figure B2 (Continued). Drawings of the revised VDOT semi-integral abutment without a concrete shear key



MARK	No.	Bar size	Length	Location
PC-001	7	# 4	10'-3"	Pile cap
BW-001	7	# 4	10'-3"	Back-wall
PC-002	12	# 6	6'-5"	Pile cap
BW-002	12	# 6	6'-5"	Back-wall

Figure B2 (Continued). Drawings of the revised VDOT semi-integral abutment without a concrete shear key