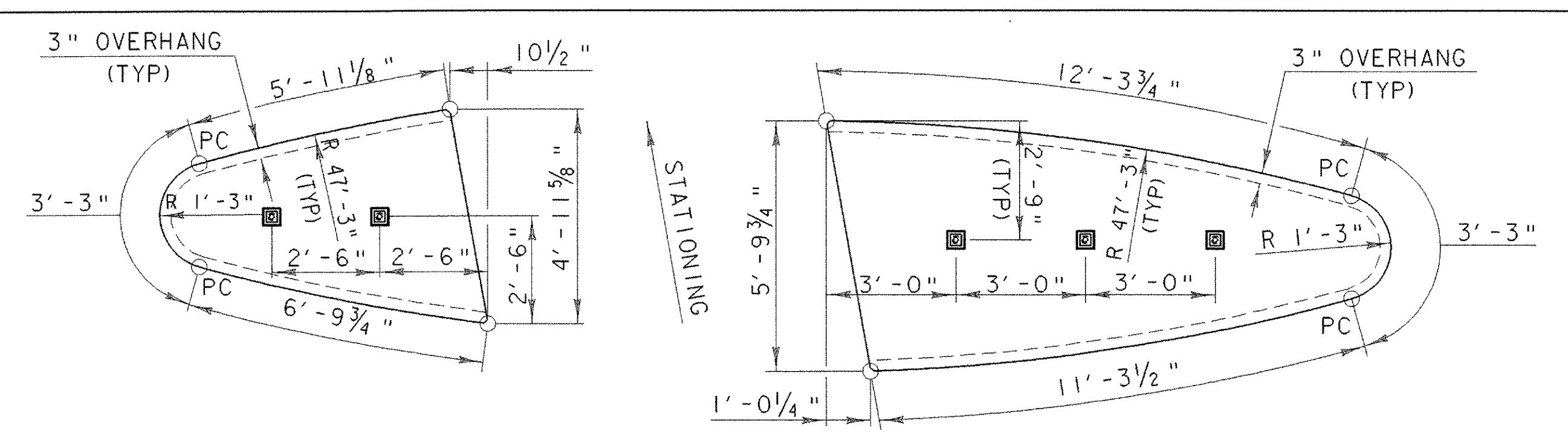
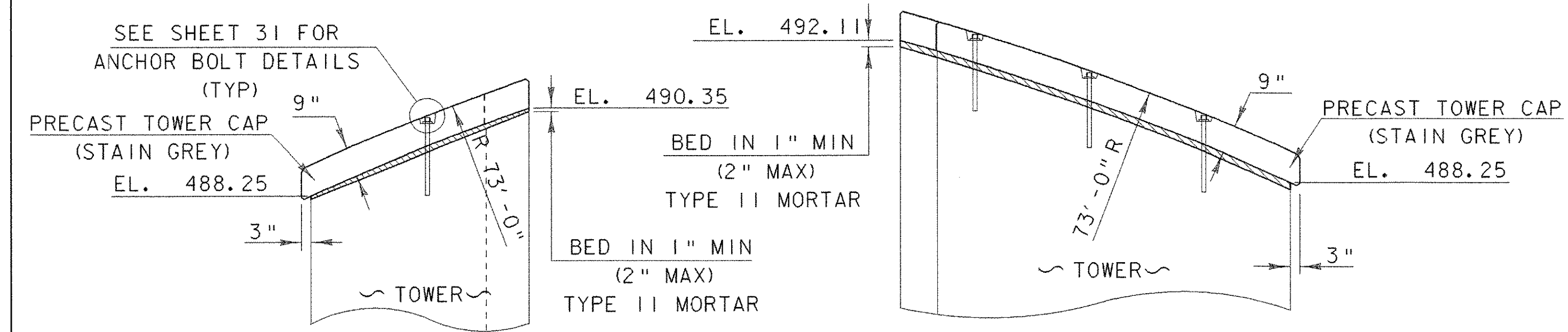


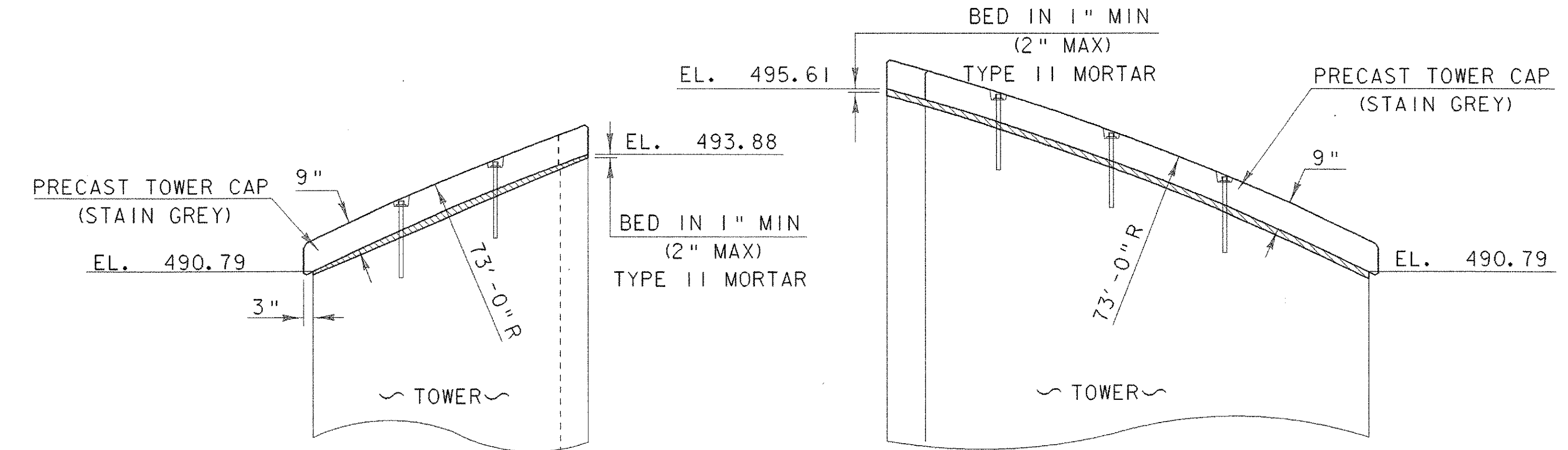
ABUTMENT #2 TOWER CAP PLAN



PIER TOWER CAP PLAN



ABUTMENT #2 TOWER CAP ELEVATION

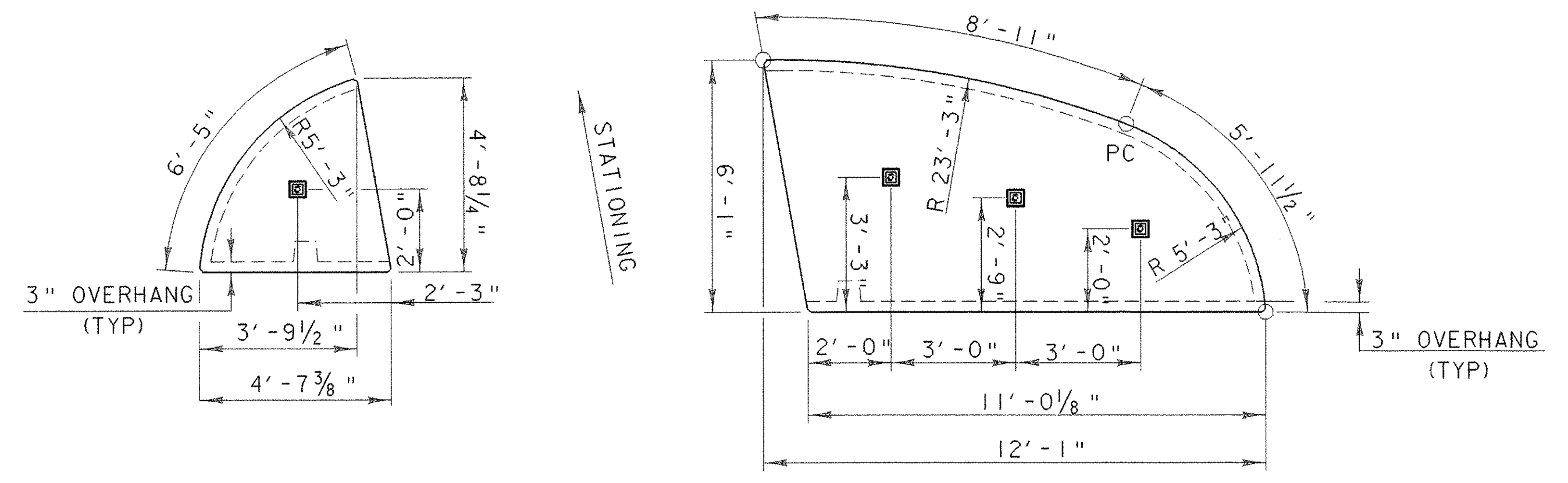


PIER TOWER CAP ELEVATION

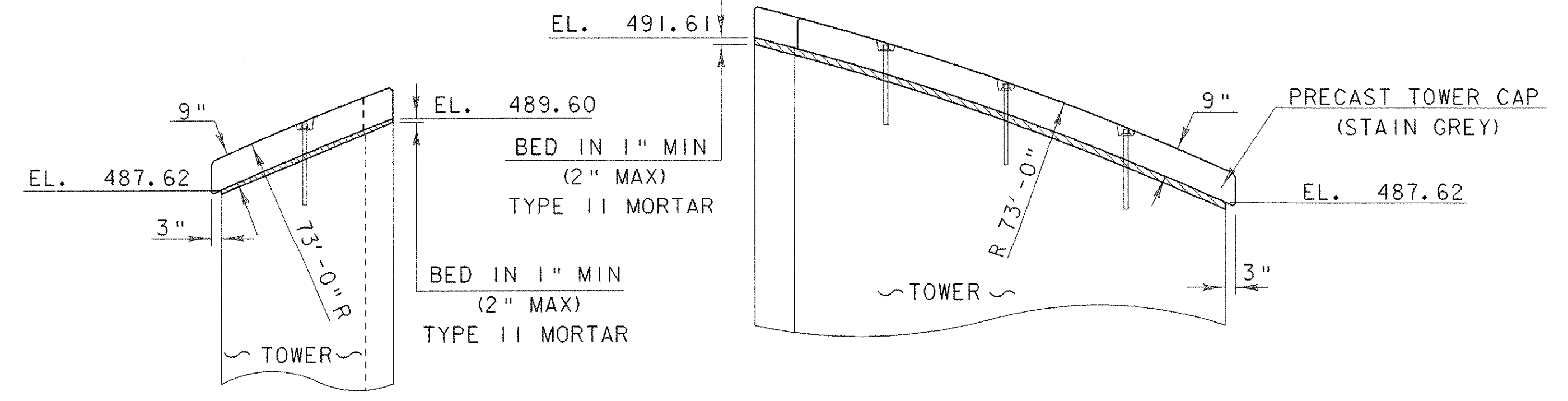
PC = POINT OF CURVATURE

TOWER CAP NOTES:

1. THE TOWER CAPS SHALL BE PRECAST CONCRETE, CLASS B. THE CONCRETE IN THE TOWER CAPS WILL BE PAID FOR UNDER THE ITEM 501.25 "CONCRETE, CLASS B"
2. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68° F UNLESS NOTED OTHERWISE
3. ALL OF THE PRECAST TOWER CAPS SHALL BE REINFORCED WITH ONE LAYER OF 6X6-W2.1 X W2.1 WELDED WIRE FABRIC. THE WELDED WIRE FABRIC SHALL CONFORM TO AASHTO M 55. THE LAYER OF REINFORCEMENT SHALL BE CENTERED IN ALL OF THE PRECAST CAPS AND SHALL FOLLOW THE RADII SHOWN ON THE PLANS. THE WELDED WIRE FABRIC WILL BE PAID UNDER THE ITEM 507.15 "REINFORCING STEEL".
4. THE COSTS OF ANCHOR BOLTS AND RELATED HARDWARE, MORTAR, EPOXY, ERECTION OF PRECAST CAPS AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE PRECAST CAPS SHALL BE CONSIDERED SUBSIDIARY TO THE ITEM 501.25 "CONCRETE, CLASS B"
5. BEFORE INSTALLATION OF THE PRECAST CAPS THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER WITH A TECHNICAL DATA SHEET FOR THE EPOXY INTENDED TO SECURE THE ANCHOR BOLTS. THE TECHNICAL DATA SHEET SHALL INCLUDE SPECIFICATIONS, AND MANUFACTURER'S APPLICATION INSTRUCTIONS. THE RESIDENT ENGINEER SHALL APPROVE THE PRODUCT AND PROCEDURES PRIOR TO ANY INSTALLATION.
6. ALL SURFACES OF THE PRECAST CAPS THAT ARE TO BE EXPOSED AFTER ERECTION SHALL BE GIVEN A RUBBED FINISH PER VAOT STANDARD SPECIFICATIONS SUBSECTION 501.16 (a) 2.
7. ALL OF THE PRECAST CAPS SHALL BE STAINED GREY AFTER THEY HAVE BEEN PLACED. THE STAIN SHALL BE APPLIED AFTER THE ANCHOR BOLT BLOCK OUTS HAVE BEEN FILLED AND ALL NECESSARY REPAIRS HAVE BEEN MADE.
8. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING ANY NECESSARY LIFTING DEVICES REQUIRED TO ERECT THE PRECAST CAPS. LIFTING DEVICES SHALL BE REMOVED AND DAMAGED AREAS REPAIRED TO THE SATISFACTION OF THE RESIDENT ENGINEER.
9. THE ANCHOR BOLTS SHALL BE ASTM A307, GR. C. THE PLATE WASHERS SHALL BE AASHTO M 183/M 183, GR 36.

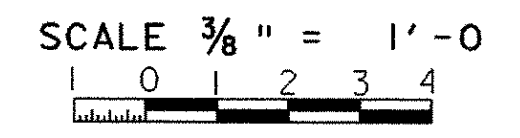


ABUTMENT #1 TOWER CAP PLAN



ABUTMENT #1 TOWER CAP ELEVATION

ALL DETAILS THIS SHEET



PROJECT NAME:	ROYALTON BRZ 1444 (22)		
PROJECT NUMBER:			
FILE NAME:	89j099/structures/sj099sup2.dgn	PLOT DATE:	25-SEP-2000
IPARM NAME:	sj099towcap.i	DRAWN BY:	K. M. HIGGINS
PROJECT LEADER:	C. P. WILLIAMS	CHECKED BY:	W. B. SYMONDS
DESIGNED BY:	W. B. SYMONDS	TOWER CAP DETAILS	SHEET 32 OF 118