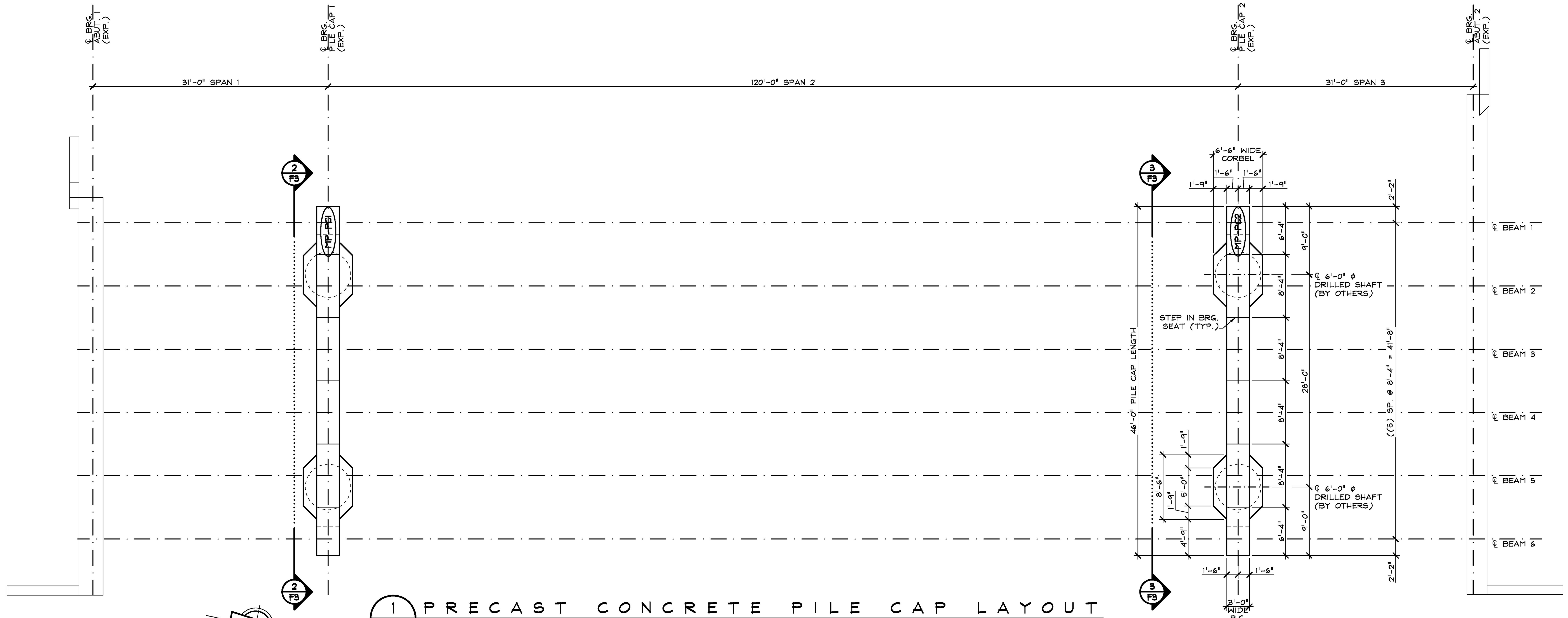


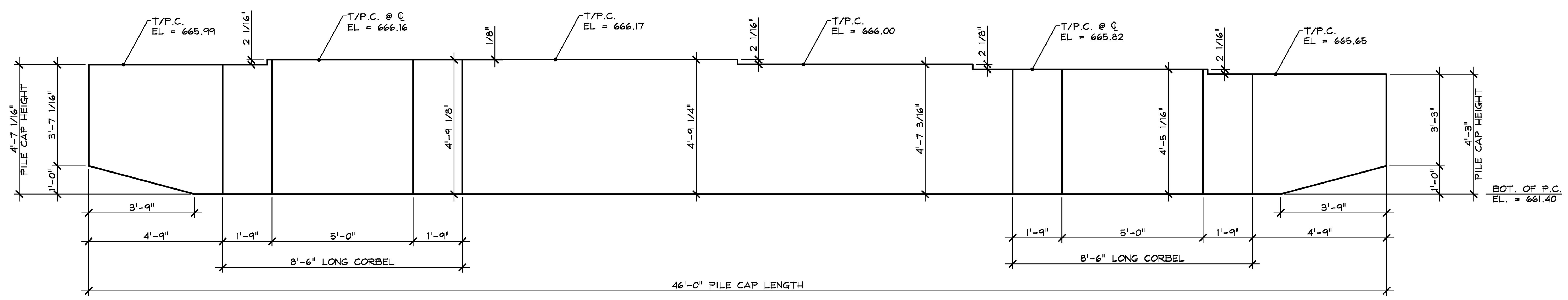
1 F3 PRECAST CONCRETE PILE CAP LAYOUT
1/8" = 1'-0"

PILE CAP GENERAL NOTES

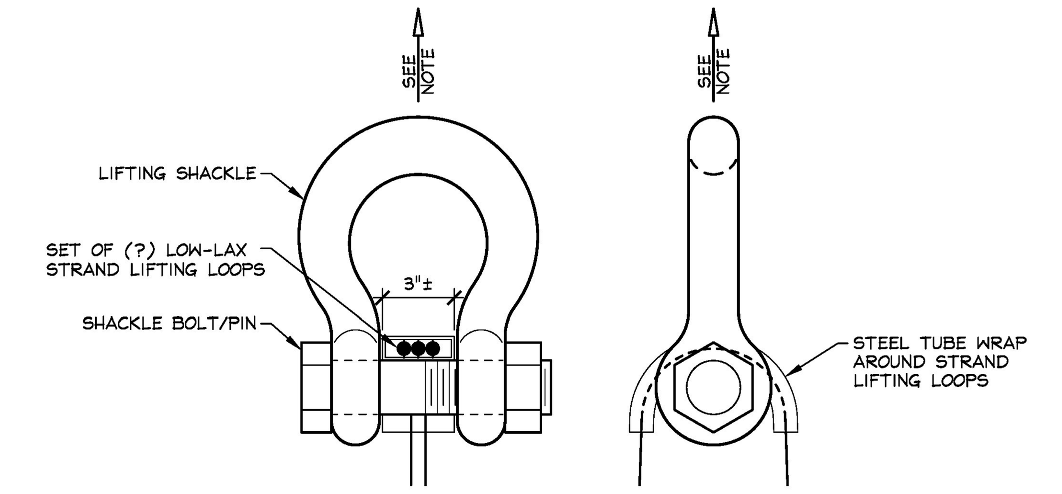
1. MIN. CONCRETE STRENGTH AT 28 DAYS SHALL BE 5,000 PSI.
2. MIN. CONCRETE STRENGTH FOR HANDLING SHALL BE 4,000 PSI.
3. REINFORCING STEEL SHALL BE GR-60, ASTM A-615 (AASHTO M203), AND SHALL BE BLACK STEEL.
4. THE TOP OF THE PILE CAPS SHALL RECEIVE A SMOOTH FLOAT FINISH (UNLESS NOTED OTHERWISE).
5. PILE CAPS SHALL BE HANDLED AND ERECTED USING THE LIFTING LOOPS ONLY. RIGGING SHALL BE CONFIGURED SUCH THAT EQUAL FORCES ARE APPLIED TO EACH OF THE LIFTING LOOPS AT EACH END OF THE PILE CAP. THE MINIMUM SLING ANGLE FROM THE HORIZONTAL SHALL BE 90°. **THE PINS OF THE SHACKLES SHALL BE PLACED THROUGH THE LIFTING LOOPS. SEE DETAIL, ON THIS SHEET.** PILE CAPS SHALL BE STORED AND TRANSPORTED WITH TIMBER SUPPORTS AS NOTED ON INDIVIDUAL PILE CAP DETAIL DRAWINGS, UNLESS APPROVED BY J.P. CARRARA & SONS, INC. LIFTING LOOP POCKETS TO BE GROUTED AFTER INSTALLATION (BY OTHERS).
6. MATERIAL SPECIFICATION AND MIX DESIGN SHALL CONFORM TO VERMONT SPEC. P540.02 AND P540.05 RESPECTIVELY.

   DESIGN MIX: J.P.C. BRIDGE MIX 426 LW (NO DCI)
   AIR: 5% - 9%
   SPREAD: 20" - 28"
   APPROVAL DATE OCTOBER 10, 2017
7. QUALITY CONTROL PROCEDURES ARE IN ACCORDANCE WITH PCI REQUIREMENTS. J.P. CARRARA & SONS, INC. IS A PCI CERTIFIED PLANT.
8. CURING METHOD: AS SOON AS THE TOP OF PILE CAP ~~IS FINISHED, A COVER OF POLY WILL~~ BE PLACED OVER THE PILE CAP UNTIL DESIGN STRENGTH IS ACHIEVED. NATURAL CURE WITH NO EXTERNAL HEAT APPLIED. AMBIENT ENCLOSURE TEMPERATURE SHALL BE MONITORED. UNITS SHALL NOT BE EXPOSED TO A TEMPERATURE DIFFERENTIAL GREATER THAN 40°F. UNITS SHALL NOT BE EXPOSED TO TEMPERATURES LESS THAN 36°F UNTIL DESIGN STRENGTH IS ACHIEVED. (1)
9. DUNNAGE IS LOCATED UNDER LIFTER POSITIONS. (1)
10. THE CONTRACTOR SHALL UTILIZE A TEMPLATE OF THE PRECAST PIER CAP SLEEVES FOR LAYOUT OF THE BUNDLED DOWELS.

Vermont Agency of Transportation
RECEIVED
CK'D BY Stantec OK'D BY Tom Knight
October 13, 2017
RESUBMIT No Approved
BY Carolyn W. Carlson DATE 10/24/201

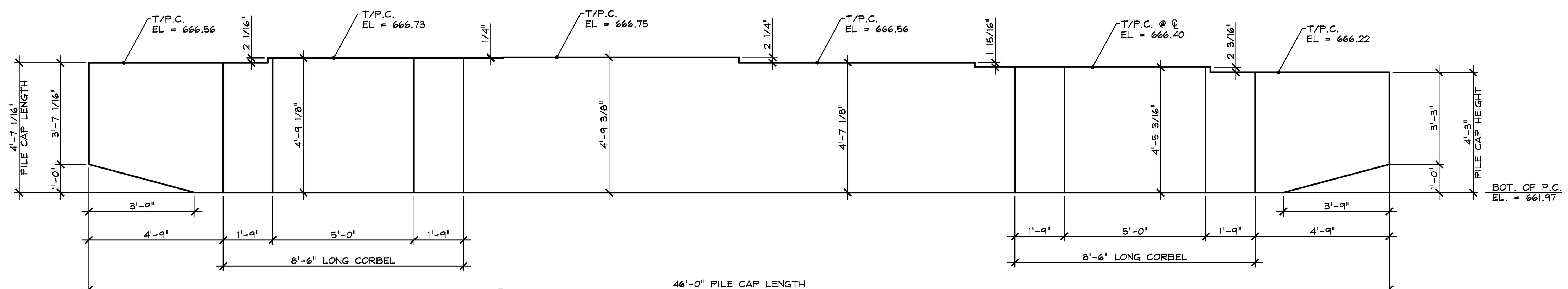


2 F3 PILE CAP 1 ELEVATION
3/8" = 1'-0"



NOTE: PILE CAPS SHALL BE HANDLED AND ERECTED USING THE LIFTING LOOPS ONLY. RIGGING SHALL BE CONFIGURED SUCH THAT EQUAL FORCES ARE APPLIED TO EACH SET OF LIFTING LOOPS AT EACH END OF THE PILE CAP. SHACKLE BOLT/PIN SHALL BE PLACED UNDER LIFT LOOPS AS SHOWN. DESIGN AND CONFIGURATION OF RIGGING BY PURCHASER.

LIFTING SHACKLE DETAILS
N.T.S.



3 F3 PILE CAP 2 ELEVATION
3/8" = 1'-0"

(1) 10-11-17 SUBMITTAL #1 COMMENTS

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 CASE STR., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010 / CCS CONSTRUCTORS, INC. CONTRACTOR MORRISVILLE, VERMONT	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF WASHINGTON	DATE: SEPT. 14, 2017 / SCALE: NOTED
	TOWN OF EAST MONTPELIER VT ROUTE 14, MINOR ARTERIAL BRIDGE NO.: 68 PROJECT NO.: BRF 037-1 (7)	CHKD: K.P. DFTM: A.S. / JOB NO: 23515-017
	PRECAST CONCRETE PILE CAP LAYOUT & ELEVATIONS	DWG. NO: F3