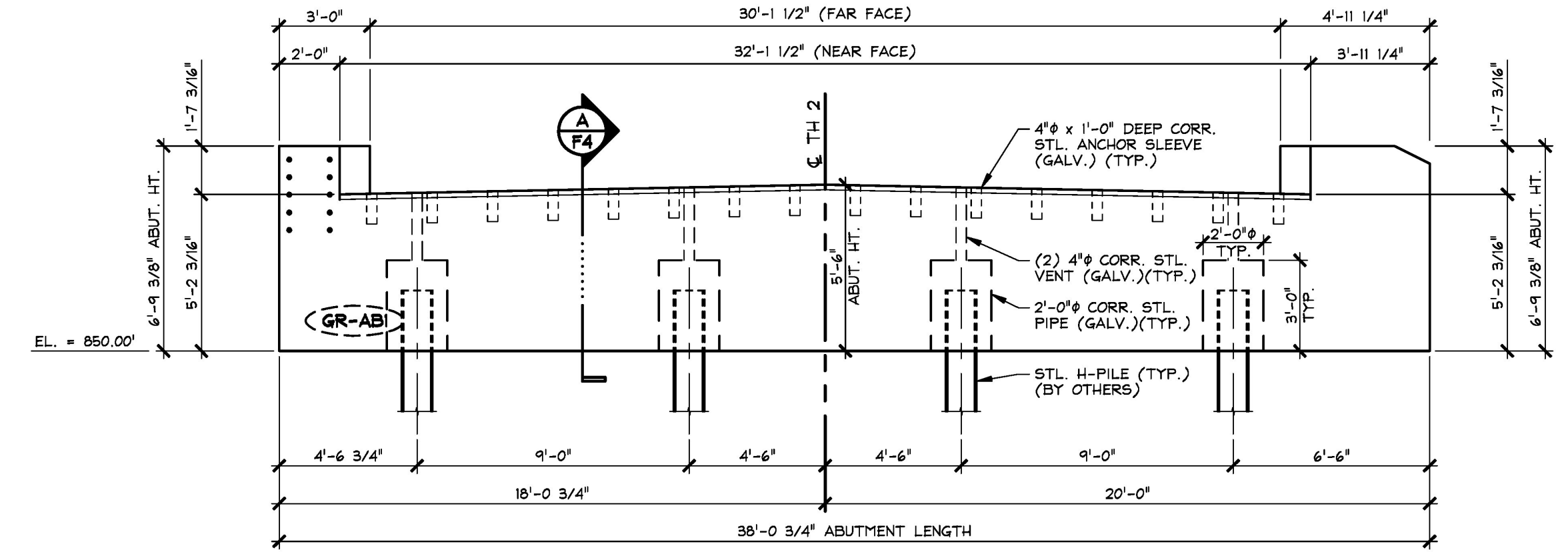
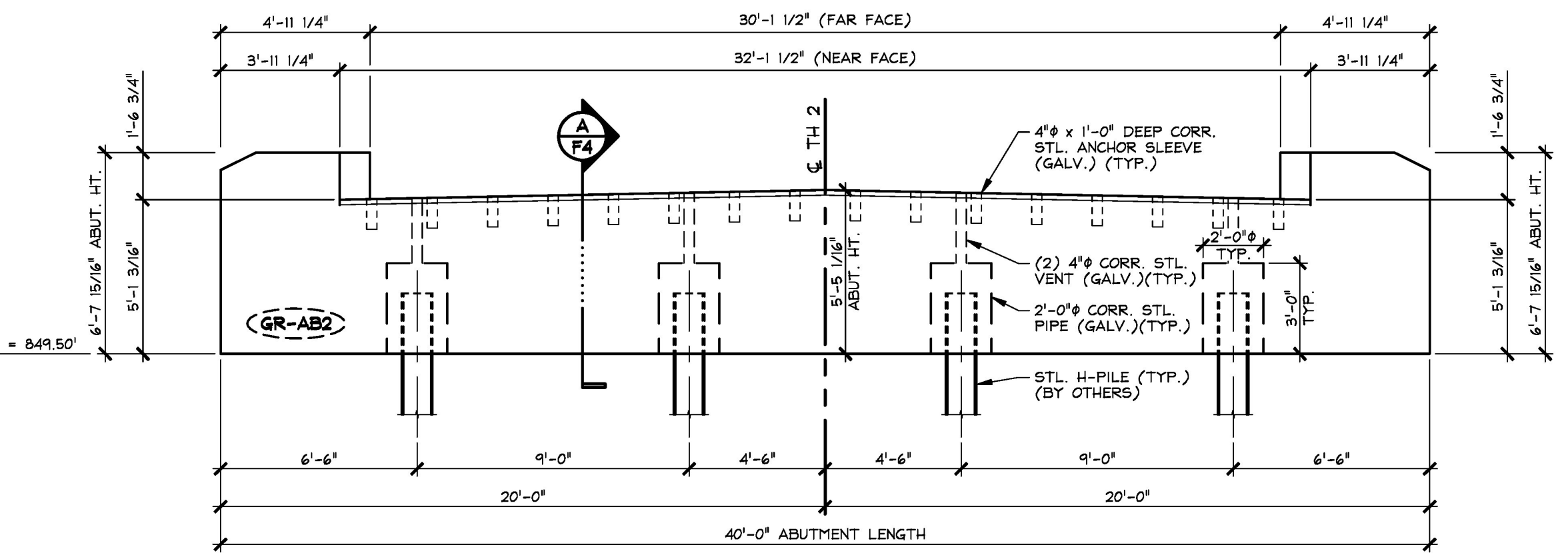


1 PRECAST ABUTMENT LAYOUT
1/4" = 1'-0"



2 ABUTMENT NO. 1 (NORTH ELEVATION)
1/4" = 1'-0"



3 ABUTMENT NO. 2 (SOUTH ELEVATION)
1/4" = 1'-0"

ABUTMENT GENERAL NOTES

- MIN. CONCRETE STRENGTH AT 28 DAYS SHALL BE 5,000 PSI.
- MIN. CONCRETE STRENGTH FOR HANDLING SHALL BE 3,500 PSI (UNLESS NOTED OTHERWISE).
- REINFORCING STEEL SHALL BE GR-520, ASTM A955 M, STAINLESS STEEL (2304 DUPLEX (UNS-S32304)) (AS NOTED ON SHOP DRAWINGS).
- THE TOP OF ABUTMENTS SHALL RECEIVE A SMOOTH FLOAT FINISH (UNLESS NOTED OTHERWISE).
- ABUTMENTS SHALL BE HANDLED AND ERECTED USING THE LIFTING LOOPS ONLY. RIGGING SHALL BE CONFIGURED SUCH THAT EQUAL AND VERTICAL FORCES ARE APPLIED TO EACH OF THE LIFTING LOOPS AT EACH END OF THE ABUTMENT. **THE PINS OF THE SHACKLES SHALL BE PLACED THROUGH THE LIFTING LOOPS. SEE DETAIL, THIS SHEET.** ABUTMENTS SHALL BE STORED AND TRANSPORTED WITH TIMBER SUPPORTS WITHIN 2'-0" OF THE ABUTMENT ENDS, UNLESS APPROVED BY J.P. CARRARA & SONS, INC. LIFTING LOOP POCKETS TO BE GROUTED AFTER INSTALLATION (BY OTHERS).
- MATERIAL SPECIFICATION AND MIX DESIGN SHALL CONFORM TO VERMONT SPEC. P540.02 AND P540.05 RESPECTIVELY.
DESIGN MIX: J.P.C. BRIDGE MIX #44M5CC
APPROVAL DATE JUNE 6, 2016
- QUALITY CONTROL AND REPAIR PROCEDURES ARE IN ACCORDANCE WITH PCI REQUIREMENTS. J.P. CARRARA & SONS, INC. IS A PCI CERTIFIED PLANT.
- CURING METHOD: MOISTURE & HEAT RETENTION. AS SOON AS THE TOP OF THE ABUTMENTS ARE FINISHED A COVER OF POLY AND A LAYER OF RIGID INSULATION WILL BE PLACED OVER THE UNITS IN A MANNER THAT WILL NOT DISTURB THE FINISH. THE AMBIENT TEMPERATURE WITHIN THE ENCLOSURE SHALL NOT DROP BELOW 70°F. THE TEMPERATURE SHALL BE RECORDED BY AUTOMATIC SENSOR INSTRUMENT ON GRAPH CHART AND WILL CONTINUE UNTIL RELEASE STRENGTH IS ACHIEVED. THE CHART SHALL BE MARKED AND PROVIDED TO THE QA INSPECTOR. THE UNITS SHALL NOT BE EXPOSED TO A TEMPERATURE DIFFERENTIAL BETWEEN THE SURFACE OF THE HARDENED CONCRETE AND THE AMBIENT STORAGE ENVIRONMENT OF GREATER THAN 40°F AT ANY TIME. UNITS SHALL NOT BE EXPOSED TO AMBIENT TEMPERATURES LESS THAN 36°F UNTIL THE DESIGN STRENGTH IS ACHIEVED.

T.Y. LIN INTERNATIONAL
THE STAMPED DOCUMENTS ARE HEREBY:

APPROVED
 APPROVED AS NOTED
 REVISE AND RESUBMIT

SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.

THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.

JOSH OLLIND
REVIEWER

January 25, 2017
DATE

Vermont Agency of Transportation
RECEIVED
CK'D BY T.Y. Lin International OK'D BY J. Olund
January 24, 2017
RESUBMIT No Approved
BY D. Bonneau DATE 01/25/17

1-3-17 REVISED AS NOTED

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 244 GAGE ST., WOODBURY, VERMONT 05753 Phone: (802) 388-6361 Fax: (802) 388-9910	J.P. SICARD, INC. CONTRACTOR BARTON, VERMONT
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ORLEANS	DATE: NOV. 18, 2016 SCALE: NOTED
	VILLAGE OF BARTON TH 2 (GLOVER ROAD), RURAL MAJOR COLLECTOR BRIDGE NO.: 20 PROJECT NO.: BHF 0286(5)	CHKD: A.S. DFTM: B.L. JOB NO: 23498-016
	PRECAST ABUTMENT LAYOUT & ELEVATIONS	DWG. NO: F1 GLOVER ROAD