



- ### GENERAL NOTES
- MIN. CONCRETE STRENGTH AT 28 DAYS SHALL BE 5,000 PSI.
 - MIN. CONCRETE STRENGTH FOR HANDLING SHALL BE 4,000 PSI.
 - REINFORCING STEEL SHALL BE GR-60, ASTM A-615 (AASHTO M61), AND SHALL BE EPOXY COATED, AS NOTED.
 - THE TOP OF DECK SLABS SHALL RECEIVE A SMOOTH FLOAT FINISH (UNLESS NOTED OTHERWISE).
 - A SELF RETARDER SHALL BE PLACED ON THE SHEAR KEY FORMS PRIOR TO CASTING THE SLABS. AFTER CURING AND AFTER THE FORMS ARE REMOVED, THE EDGES SHALL RECEIVE A POWER WASH TO REMOVE THE RESIDUE FROM THE RETARDER. THE SURFACE SHOULD THEN EXHIBIT A PITTED SURFACE WITH SOME EXPOSED AGGREGATE PROVIDING AN IMPROVED BONDING SURFACE FOR THE SHEAR KEY MORTAR.
 - DECK SLABS SHALL BE HANDLED AND ERECTED USING THE LIFTING INSERTS ONLY. THE MINIMUM SLING ANGLE FROM THE HORIZONTAL SHALL BE 60°. DECK SLABS SHALL BE STORED & TRANSPORTED WITH TIMBER SUPPORTS AT LIFT LOCATIONS, UNLESS APPROVED BY J.P. CARRARA & SONS, INC.
 - MATERIAL SPECIFICATION AND MIX DESIGN SHALL CONFORM TO VERMONT SPEC. PS10.02 AND PS10.05 RESPECTIVELY.
DESIGN MIX: J.P.C. BRIDGE MIX #426M - NO DCI
 - QUALITY CONTROL PROCEDURES ARE IN ACCORDANCE WITH PCI REQUIREMENTS. J.P. CARRARA & SONS, INC. IS A PCI CERTIFIED PLANT.
 - CURING METHOD: AS SOON AS THE TOP OF DECK SLAB IS FINISHED, A COVER OF POLY WILL BE PLACED OVER THE DECK SLAB. NATURAL CURE WITH NO EXTERNAL HEAT APPLIED. AMBIENT ENCLOSURE TEMPERATURE SHALL BE MONITORED. UNITS SHALL NOT BE EXPOSED TO TEMPERATURE DIFFERENTIAL GREATER THAN 40°. UNITS SHALL NOT BE EXPOSED TO A TEMPERATURES LESS THAN 32°F UNTIL DESIGN STRENGTH IS ACHIEVED.
 - DUNNAGE IS LOCATED UNDER LIFTER POSITIONS
 - THE DRILLING OF HOLES OR USE OF POWER ACTUATED TOOLS ON DECK SLABS SHALL NOT BE PERMITTED.
 - THE DECK SLABS SHALL BE ORIENTED AND ERECTED WITH THE MARK-END AS SHOWN ON PLANS.

PRECAST CONCRETE DECK SLAB LAYOUT
1/4" = 1'-0"

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 CASE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010		THE BELDEN COMPANY CONTRACTOR RUTLAND, VERMONT	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF WINDSOR		DATE: NOV. 1, 2016	
	TOWN OF LUDLOW VT ROUTE 100 (MINOR ARTERIAL) BRIDGE NO.: 99 PROJECT NO.: STP DECK(99)		SCALE: NOTED	
	PRECAST CONCRETE DECK SLAB LAYOUT		CHKD: A.S. DFTM: B.L. JOB NO: 23499-016 DWG. NO: F1	

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