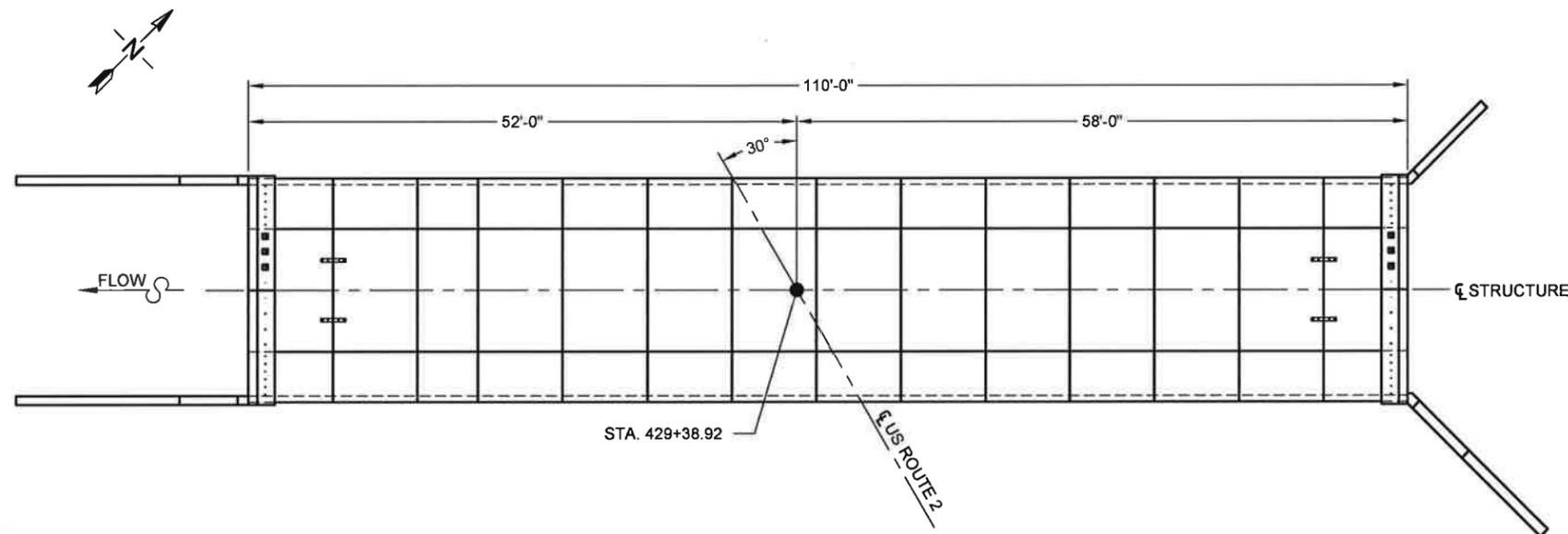


NOTES

GENERAL NOTES:

1. THIS BRIDGE HAS BEEN DESIGNED FOR GENERAL SITE CONDITIONS. THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR THE STRUCTURE'S SUITABILITY TO THE EXISTING SITE CONDITIONS AND FOR THE HYDRAULIC EVALUATION -- INCLUDING SCOUR AND CONFIRMATION OF SOIL CONDITIONS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR MUST VERIFY ALL ELEVATIONS SHOWN THROUGH THE ENGINEER.
3. ONLY CONTECH ENGINEERED SOLUTIONS LLC, THE CON/SPAN® APPROVED PRECASTER IN VERMONT MAY PROVIDE THE STRUCTURE DESIGNED IN ACCORDANCE WITH THESE PLANS.
4. THE USE OF ANOTHER PRECAST STRUCTURE WITH THE DESIGN ASSUMPTIONS USED FOR THE CON/SPAN® STRUCTURE MAY LEAD TO SERIOUS DESIGN ERRORS. USE OF ANY OTHER PRECAST STRUCTURE WITH THIS DESIGN AND DRAWINGS VOIDS ANY CERTIFICATION OF THIS DESIGN AND WARRANTY. CONTECH ENGINEERED SOLUTIONS, LLC ASSUMES NO LIABILITY FOR DESIGN OF ANY ALTERNATE OR SIMILAR TYPE STRUCTURES.
5. ALTERNATE STRUCTURES MAY BE CONSIDERED, PROVIDED THAT DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF VERMONT, EMPLOYED BY THE PRECAST CONCRETE BRIDGE SUPPLIER, ARE SUBMITTED TO THE ENGINEER 2 WEEKS PRIOR TO THE BID DATE FOR REVIEW AND APPROVAL.
6. ALTERNATE STRUCTURES MAY BE CONSIDERED, PROVIDED THAT THE ALTERNATE DESIGN DOES NOT REDUCE THE HYDRAULIC OPENING OF THE STRUCTURE AS SHOWN ON THE DRAWINGS. AT A MINIMUM THE ALTERNATE STRUCTURE MUST PROVIDE THE SAME OR LARGER SPAN AND RISE AS THE STRUCTURE SHOWN ON THE DRAWINGS.
7. THE PRECAST ARCH SUPPLIER MUST ATTEND THE PRE-BID MEETING, IF ONE IS HELD.
8. SUPPLIER OF PROPOSED ALTERNATES TO A CON/SPAN® BRIDGE SYSTEM MUST SUBMIT AT LEAST TWO (2) INDEPENDENTLY VERIFIED FULL SCALE LOAD TESTS THAT CONFIRM THE PROPOSED DESIGN METHODOLOGY OF THE THREE SIDED/ARCH STRUCTURE(S). THE PROPOSED ALTERNATE, UPON SATISFACTORY CONFIRMATION OF DESIGN METHODOLOGY, MAY BE CONSIDERED AN ACCEPTABLE ALTERNATE.
9. PROPOSED ALTERNATE STRUCTURES MAY BE CONSIDERED, PROVIDED THAT THE PRECAST CONCRETE BRIDGE STRUCTURES ARE PROVIDED BY A SUPPLIER THAT HAS A MINIMUM OF TWO (2) REGISTERED PROFESSIONAL ENGINEERS ON STAFF THAT ARE DEDICATED TO THE DESIGN OF THESE TYPES OF STRUCTURES. SUPPLIER MUST PROVIDE THESE NAMES, P.E. LICENSE NUMBERS AND DATES OF HIRE AT TIME OF ALTERNATE SUBMITTAL.

US ROUTE 2 BRIDGE NO. 126 TOWN OF LUNENBURG ESSEX COUNTY, VERMONT



LOCATION PLAN

NOT TO SCALE

DESIGN DATA

DESIGN LOADING:
 BRIDGE UNITS: HL-93
 HEADWALLS: EARTH PRESSURE ONLY
 WINGWALLS: EARTH PRESSURE ONLY
 DESIGN FILL HEIGHT: 2'-0" MIN. TO 13'-0" MAX.
 FROM TOP OF CROWN TO TOP OF PAVEMENT.
 DESIGN METHOD: LOAD RESISTANCE FACTOR DESIGN PER AASHTO LRFD SPECIFICATION

MATERIALS

PRECAST UNITS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH CON/SPAN® SPECIFICATIONS.

NOTE:
 FOUNDATION DESIGN PER VERMONT AGENCY
 OF TRANSPORTATION BID DOCUMENTS



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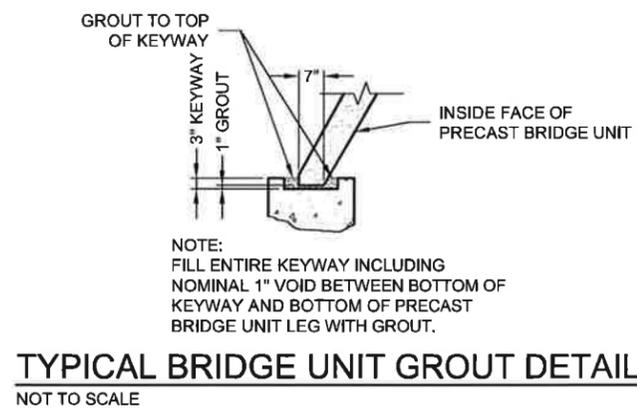
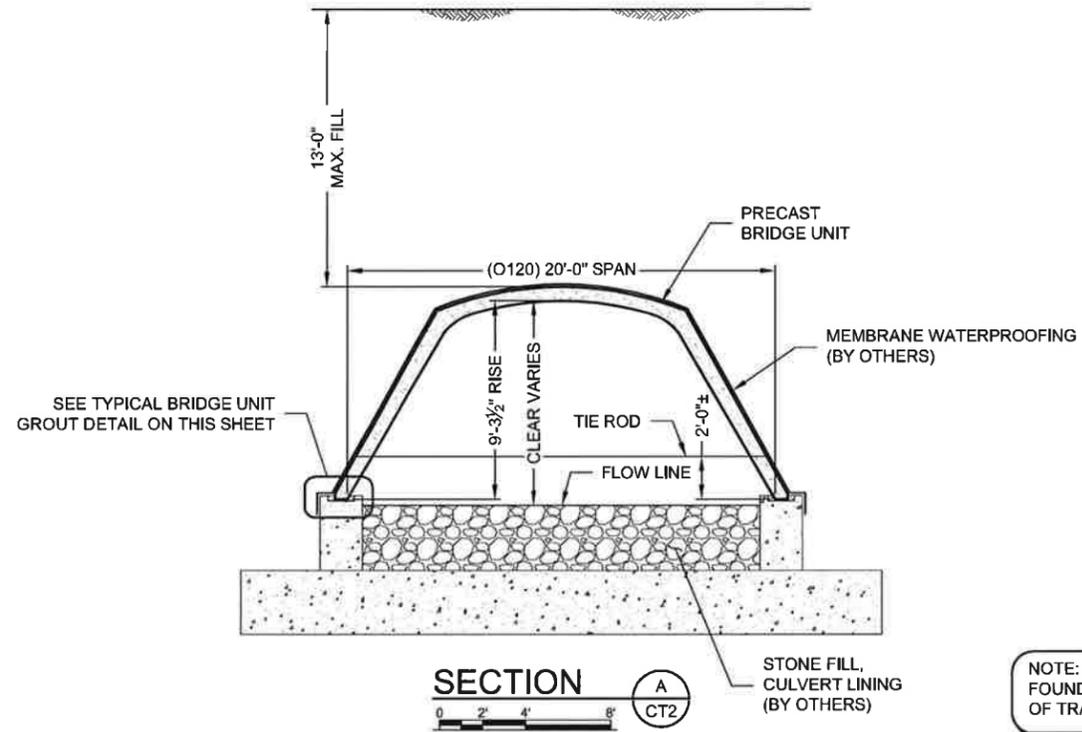
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US ROUTE 2
 BRIDGE NO. 126
 TOWN OF LUNENBURG
 ESSEX COUNTY, VERMONT

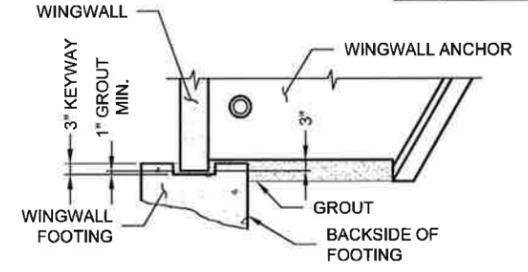
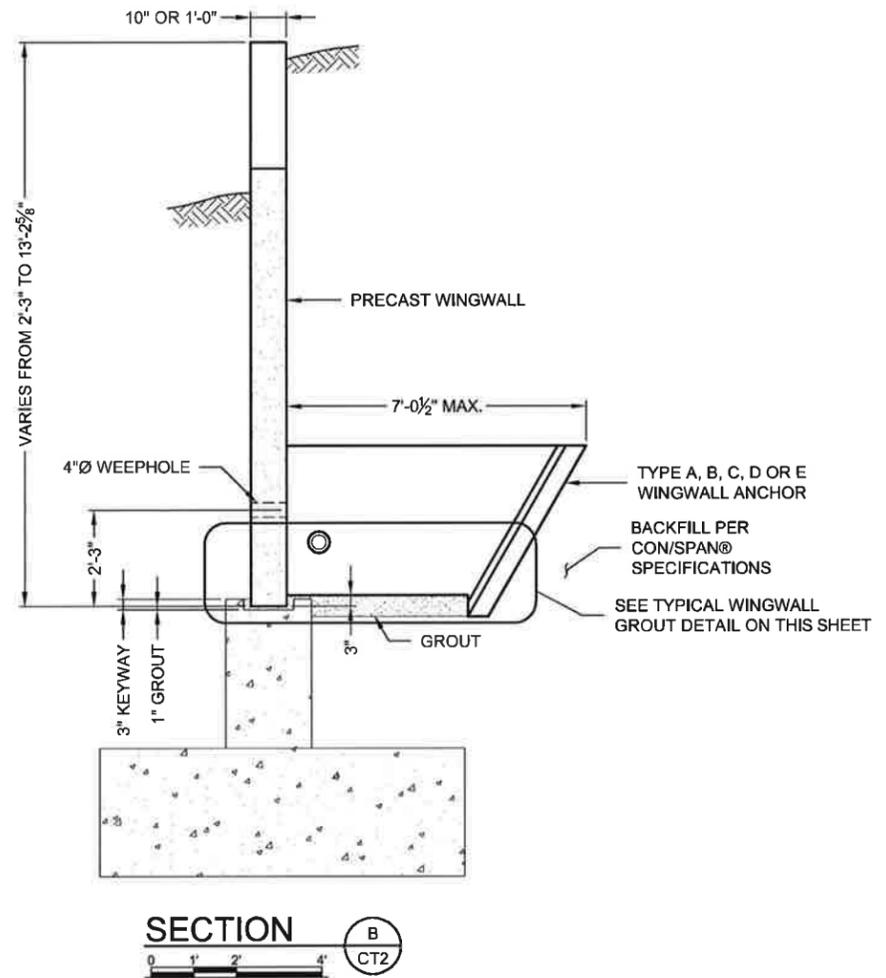
PROJECT No.: 468920	SEQ. No.: 010	DATE: 12/8/2015
DESIGNED: KDK	DRAWN: JCH	
CHECKED: JDR	APPROVED: PAC	
SHEET NO.: CT1 OF CT9		

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TYPICAL BRIDGE UNIT GROUT DETAIL
NOT TO SCALE

NOTE:
FOUNDATION DESIGN PER VERMONT AGENCY
OF TRANSPORTATION BID DOCUMENTS



TYPICAL WINGWALL GROUT DETAIL
NOT TO SCALE

- NOTES:
- FILL ENTIRE KEYWAY INCLUDING NOMINAL 1" VOID BETWEEN BOTTOM OF KEYWAY AND BOTTOM OF WINGWALL WITH GROUT.
 - MINIMUM 1" GROUT UNDER WINGWALL & ANCHOR STEM.
 - AREA BETWEEN WINGWALL FOOTING AND WINGWALL ANCHOR SHALL BE GROUTED SOLID BEFORE BACKFILL.
 - FORM BACKSIDE OF FOOTING TO DIMENSIONS SHOWN ON FOUNDATION PLAN.



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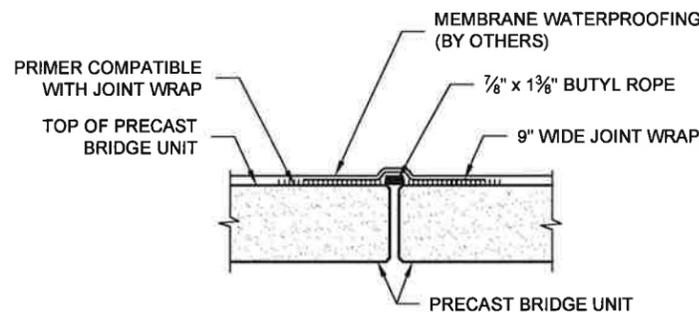
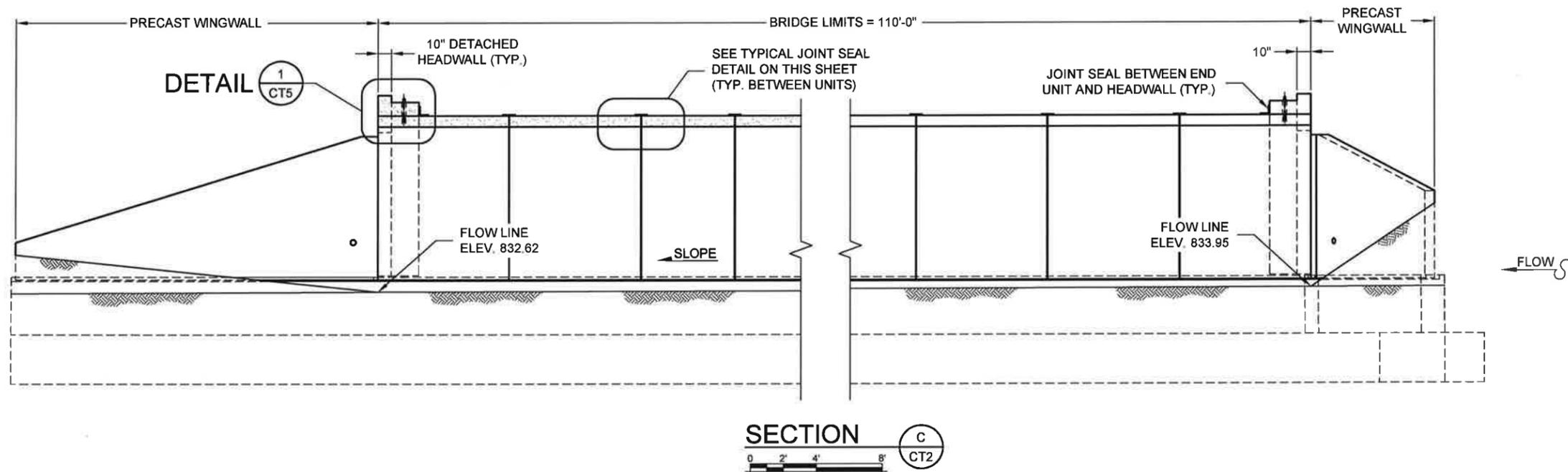
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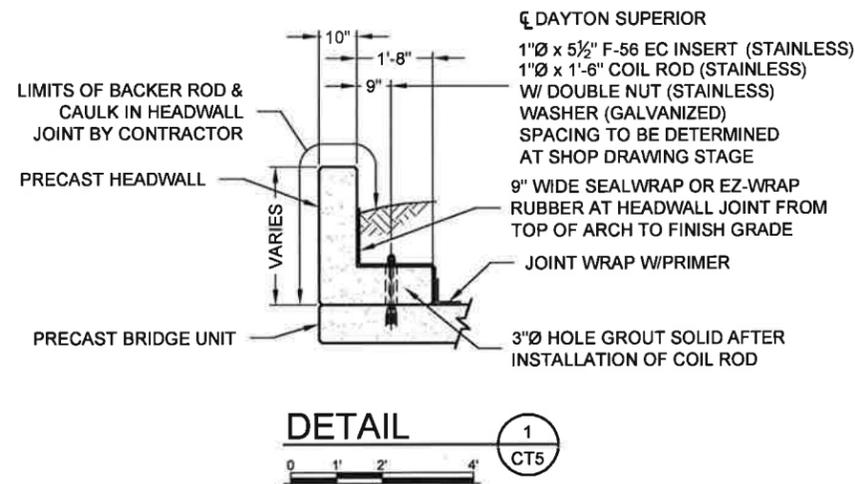
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US ROUTE 2
BRIDGE NO. 126
TOWN OF LUNENBURG
ESSEX COUNTY, VERMONT

PROJECT No: 468920	SEQ. No.: 010	DATE: 12/8/2015
DESIGNED: KDK	DRAWN: JCH	
CHECKED: JDR	APPROVED: PAC	
SHEET NO.: CT3 OF CT9		



TYPICAL JOINT SEAL DETAIL
NOT TO SCALE



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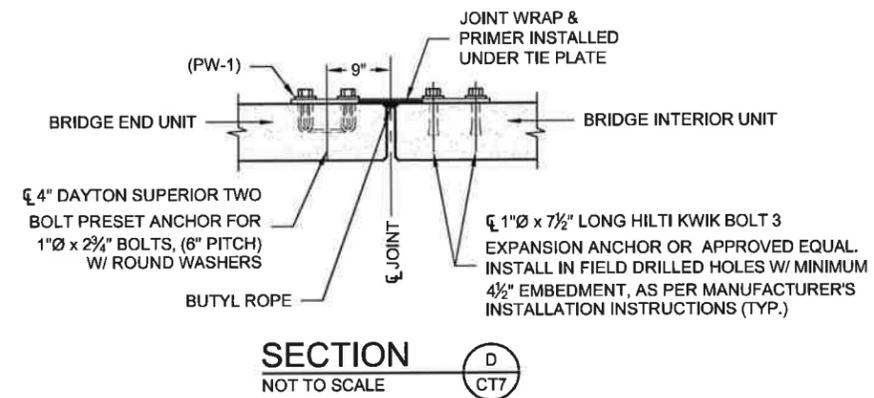
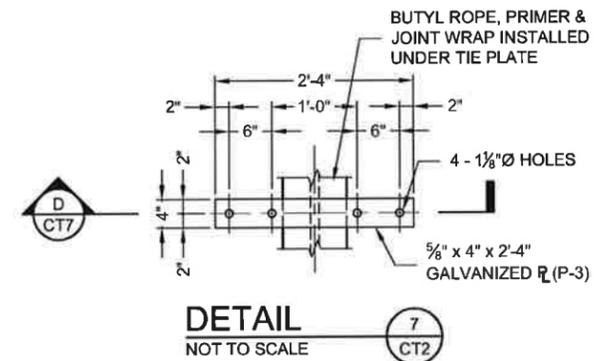
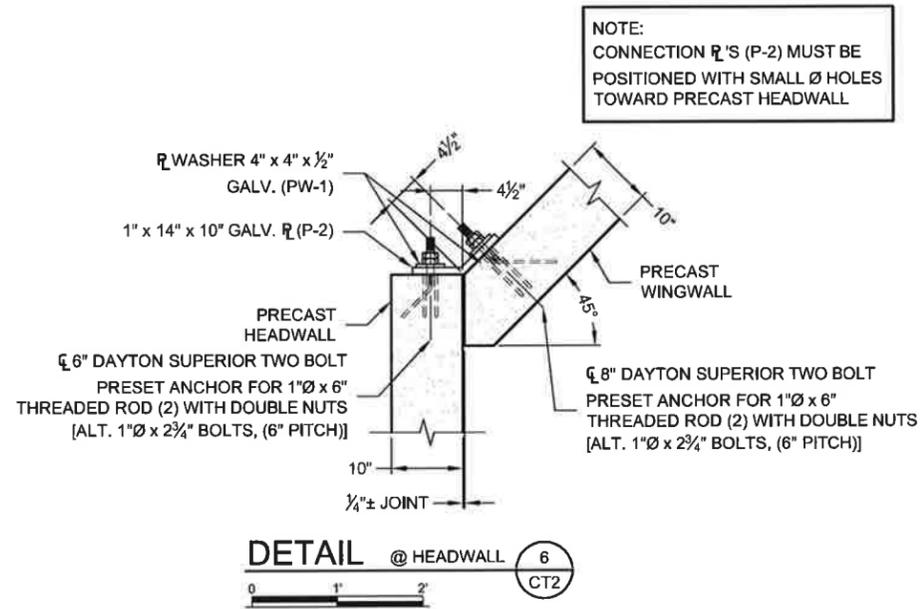
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US ROUTE 2
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PROJECT No. 468920	SEQ. No. 010	DATE 12/8/2015
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CHECKED: JDR	APPROVED: PAC	
SHEET NO.: CT5 OF CT9		

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