

**DELAWARE RIVER JOINT TOLL BRIDGE COMMISSION  
EXECUTIVE OFFICES  
2492 RIVER ROAD  
NEW HOPE, PENNSYLVANIA 18938-9519**

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**CONTRACT NO. T-711A, CAPITAL PROJECT 1651A  
EASTON-PHILLIPSBURG TOLL BRIDGE  
SALT STORAGE BUILDING**

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**ADDENDUM NO. 1**

This **Addendum No. 1** gives additional information in connection with **Contract No. T-711A, Capital Project 1651A** and is hereby made a part of the Contract. This Addendum is to be signed by the Contractor and this **Page AD1-1** is to be attached to the bid proposal.

This Addendum including pages **AD1-1** through **AD1-4** and **Contract Plan Sheets 3R, 12R through 15R and 28R** is hereby accepted and agreed that it shall become part of the **Contract No. T-711A, Capital Project 1651A** Documents.

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(CONTRACTOR'S NAME)

(SEAL)

BY: \_\_\_\_\_

ATTEST: \_\_\_\_\_

**This page must be submitted with the bid proposal.**

### **INQUIRIES BY POTENTIAL BIDDERS**

**Inquiry 1:** Is it acceptable to bid a salt storage structure of similar size and shape but not the AST design brand, for example, the High and Dry which is a rectangular design (or square) but has laminated beams across the top?

**Response 1:** Due to property and utility constraints along with the functional needs and aesthetic goals associated with the context sensitive design reflected in the bid documents, the exterior dimensions, components, and aesthetic look of the building presented in the bid documents must be constructed exactly as shown. As long as all of the identified parameters are maintained and signed/sealed architectural plans are submitted, the Commission will consider an alternative interior structural support system to that presented in the bid documents subject to the review and approval of the Engineer for designation as an approved equal. However, unless all requirements described above are met, the alternate proposal will be deemed non-compliant and rejected as such.

### **END OF INQUIRIES**

## **ADDENDUM NO. 1**

### **CHANGES TO THE NOTICE TO CONTRACTOR**

1. On Page 3 of the Notice to Contractors replace the first three (3) paragraphs with following:

“Bidders shall be experienced in the types of work described in the Scope of Work. Within 48 hours of the bid opening, the lowest apparent bidder shall provide a list of similar projects performed over the past 5 years and/or presently under construction.”

### **CHANGES TO THE SPECIAL PROVISIONS**

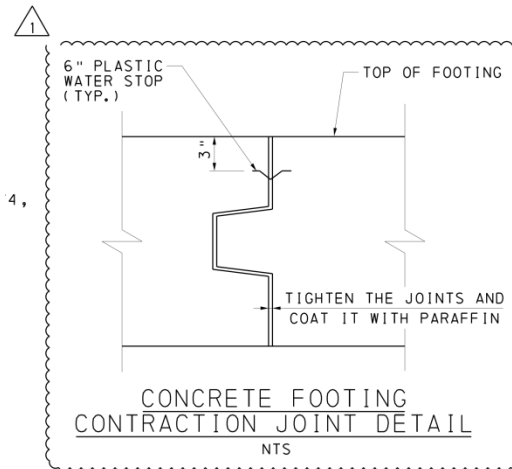
1. On Page SP-42, under the title **D. MOCK UPS-**, Note 1, insert “form liner joint location surface finish, form liner patterns between joint, interior wall surface finish,” after “including form liner pattern,”

### **CHANGES TO THE PLANS**

1. On Sheet 3 of 29, replace Note 10 in CONCRETE NOTES in its entirety with the following:  
“10. ANY CRACKS WITH A WIDTH MORE THAN 0.016 INCH IN WALLS AND SLABS SHALL BE REPAIRED FOLLOWING ACI 224.1R, CURRENT EDITION.”
2. On Sheet 3 of 29, replace Note 12 in CONCRETE NOTES in its entirety with the following:  
“THE CONCRETE WALL SURFACE FINISH:  
A. PATCH VOIDS LARGER THAN ¾” INCH WIDE OR ½” INCH DEEP.  
B. REMOVE PROJECTION LARGER THAN ¼” INCH.  
C. PATCH TIE HOLES  
D. ABRUPT SURFACE IRREGULARITIES SHALL BE LESS THAN ¼” INCH. MEASUREMENT SHALL BE MADE WITHIN 1 INCH OF THE IRREGULARITY. GRADUAL SURFACE IRREGULARITIES SHALL BE MEASURED BY DETERMINING THE GAP BETWEEN THE CONCRETE AND THE NEAR SURFACE OF A 5 FEET STRAIGHT-EDGE, MEASURED BETWEEN CONTACT POINTS.”
3. On Sheet 3 of 29, add the following note in CONCRETE NOTES.  
“14. FORM LINER INSTALLATION SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATION. CONTRACTOR SHALL AVOID OR MINIMIZE BOTH VERTICAL AND HORIZONTAL JOINTS AND CAREFULLY CONSIDER PATTERN DIMENSIONS TO ACHIEVE AN OVERALL BALANCE DESIGN. FORM LINER JOINT SURFACE FINISH AND FORM LINER PATTERNS COMPARISON BETWEEN

EACH SIDE OF JOINT SHALL BE INCLUDED IN THE CONCRETE WALL MOCK UPS AS THE COMPARISON STANDARD FOR THE REMAINING WORK.”

4. On Sheet 12 of 29, for SALT STORAGE BUILDING PLAN, Contraction Joint and Expansion Joint locations are revised.
5. On Sheet 12 of 29, for SALT STORAGE BUILDING PLAN, pallet storage area concrete wall layout is revised.
6. On Sheet 12 of 29, for SALT STORAGE BUILDING PLAN, proposed concrete slab at shed callout is revised.
7. On Sheet 12 of 29, for NOTE 1, replace all “TICKNESS” with “THICKNESS”.
8. On Sheet 13 of 29, for FOOTING PLAN, replace “EXPANSION JOINT (TYP)” callout with “CONTRACTION JOINT (TYP)”.
9. On Sheet 13 of 29, for FOOTING PLAN, reinforcement callouts are revised.
10. On Sheet 13 of 29, for FOOTING PLAN, pallet storage area footing layout is revised.
11. On Sheet 14 of 29, for REINFORCEMENT DETAIL AT 12’-0” DOOR OPENING, reinforcement callouts are revised.
12. On Sheet 14 of 29, for SECTION E-E and SECTION F-F, concrete wall dimension callout is revised.
13. On Sheet 15 of 29, add the following detail:



14. On Sheet 28 of 29, for SALT SHED-ELECTRICAL PLAN, the location of PANELBOARD SP in the pallet storage area is revised.
15. On Sheet 28 of 29, NOTE 7 is added as following: “7. SUMBIT THE LOCATIONS AND INSTALLATION HEIGHTS OF ALL THE RECEPTACLES AND SWITCHES FOR APPROVAL.”

**END OF ADDENDUM NO. 1**

GENERAL NOTES

1.

IT IS SUGGESTED THAT THE CONTRACTOR VISIT THE PROJECT SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH THE EXISTING SITE CONDITIONS.
2.

THE DRAWINGS SHALL BE WORKED IN CONJUNCTION WITH THE PROJECT. THE PROJECT SPECIFICATION FORMS A PART OF THE CONTRACT DOCUMENTS AND CONTAINS ADDITIONAL INFORMATION REQUIRED TO CONSTRUCT THE WORK OF THIS CONTRACT.
3.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE START OF THE WORK. NOTIFY THE ENGINEER OF ANY SIGNIFICANT CHANGES IN DIMENSIONS OR CONDITIONS.
4.

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND NECESSARY FACILITIES, AND PERFORM ALL LABOR AND SERVICES OF EVERY DESCRIPTION AS MAY BE NECESSARY TO COMPLETE THE SCOPE OF WORK DEFINED ON THE DRAWINGS.
5.

THE CONTRACTOR SHALL ARRANGE FOR, OBTAIN AND PAY FOR ALL PERMITS, CERTIFICATES, INSPECTIONS, AGENCY APPROVALS, ETC. AND PAY ALL FEES LEVIED BY STATE, LOCAL, AND MUNICIPAL AUTHORITIES HAVING JURISDICTION OVER WORK PERFORMED UNDER THIS CONTRACT. PROVIDE COPIES OF ALL REQUIRED PERMITS, CERTIFICATES, INSPECTIONS, AND AGENCY APPROVALS TO THE OWNER.
6.

ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:  
THE 2015 EDITION OF THE 'INTERNATIONAL BUILDING CODE', IBC 2015, 'MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES', ASCE 7-10 STANDARD, OTHER APPLICABLE STATE AND LOCAL CODES, AND THE GENERAL SUPPLEMENTARY CONDITIONS OF THE CONTRACT.
7.

ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATING WITH OTHER TRADES, MEANS AND METHODS OF CONSTRUCTION, SAFETY AND SECURITY ON SITE.
8.

CUTTING AND PATCHING SHALL BE PERFORMED BY EACH TRADE AS NECESSARY FOR THE PERFORMANCE AND INSTALLATION OF THEIR WORK. CUTTING AND PATCHING SHALL BE PERFORMED IN A WORKMAN LIKE MANNER CONSISTENT WITH INDUSTRY STANDARDS FOR FINISHES AND SUBSTRATES AFFECTED.
9.

PROTECT EXISTING PROPERTY DURING CONSTRUCTION. REPAIR OR REPLACE, WITHOUT ADDITIONAL CHARGE TO THE OWNER, ANY EXISTING WORK DAMAGED DURING THE COURSE OF CONSTRUCTION.
10.

THE WORK SHALL BE COORDINATED WITH THE STAFF OF THE DELAWARE RIVER JOINT TOLL BRIDGE COMMISSION.
11.

UNLESS ITEMS OF MATERIAL, EQUIPMENT OR WORK ARE SPECIFICALLY NOTED TO BE PROVIDED OR FURNISHED BY OTHERS, THEY SHALL BE PROVIDED UNDER THIS CONTRACT.
12.

ALL WORK SHALL BE PERFORMED BY SKILLED WORKERS IN A WORKMANLIKE AND PROFESSIONAL MANNER CONSISTENT WITH INDUSTRY STANDARDS.
13.

MATERIALS AND COMPONENTS AS SPECIFIED CONSTITUTE A STANDARD OF QUALITY, LESS OTHERWISE NOTED. EQUAL SUBSTITUTES WILL BE ACCEPTABLE ONLY WITH WRITTEN PRIOR APPROVAL BY THE ENGINEER.
14.

THE CONTRACTOR SHALL PERFORM TESTS AT HIS OWN EXPENSE, AS NECESSARY OR AS REQUIRED BY ANY INSPECTION AGENCY. TEST SHALL BE MADE TO VERIFY WHETHER THE SYSTEM OR COMPONENTS INSTALLED COMPLY WITH THE SPECIFICATIONS AND ARE IN WORKING ORDER.
15.

THE CONTRACTOR SHALL LEAVE THE WORK IN PROPER WORKING ORDER AND SHALL, WITHOUT ADDITIONAL CHARGE, REPLACE ANY WORK, MATERIALS, OR EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT WHICH DEVELOPS DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
16.

DO NOT SCALE THE DRAWINGS.
17.

NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
18.

CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEANING AND EARTH WORK EXCAVATIONS FOR BURIED STRUCTURES SUCH AS FOUNDATIONS OR UTILITIES. IF ANY STRUCTURES ARE FOUND, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
19.

DESIGN LOADS  
LIVE ROOF LOAD: 20 PSF  
GROUND SNOW LOAD: 30 PSF
20.

SEISMIC DESIGN CRITERIA  
SITE CLASS: "D"  
OCCUPANCY CATEGORY: "I"  
DESIGN CATEGORY: "D"  
SPECTRAL ACCELERATION PARAMETERS: SDS = 0.143 G  
SD1 = 0.035 G
21.

WIND DESIGN CRITERIA  
BASIC WIND SPEED: 110 MPH  
IMPORTANCE FACTOR: I  
EXPOSURE: "C"
22.

ELECTRICAL DOOR SYSTEM FOR ACCESS TO THE SALT STORAGE AREA SHALL BE ELECTRICAL ROLLER CURTAIN DOOR WITH SOLID MESH PROVIDE BY BLOCK'N ROLL OR EQUAL.
23.

ELECTRICAL DOOR SYSTEM FOR THE PALLET STORAGE AREA SHALL BE FIBERGLASS OVERHEAD SECTIONAL GARAGE DOOR WITH ELECTRICAL INDUSTRY DUTY DOOR OPERATOR.

FOUNDATION NOTES

1.

CONTRACTOR SHALL PROVIDE FOR DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC., IF REQUIRED.
2.

CONTRACTOR SHALL PROVIDE FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY AND ADEQUATELY RETAIN THE EARTH BANKS AND ANY EXISTING STRUCTURE.
3.

CONTRACTOR SHALL BE SOLELY REPSONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH ALL CODES AND ORDINANCES.
4.

ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS UNTIL THE CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH.
5.

ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED.

CONCRETE NOTES

1.

ALL WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO PENNDOT PUBLICATION 408, PENNDOT DESIGN MANUAL, PART 4 AND THE 'MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION' BY CRSI AND WCRSI, WITH MODIFICATIONS AS NOTED ON THE DESIGN DRAWINGS OR SPECIFICATIONS.
2.

ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CLASS A FOR FOOTINGS AND PIERS, CLASS AA FOR CONCRETE SLAB AND CLASS AAP FOR CONCRETE WALLS.
3.

BAR CHAIRS, HIGH CHAIRS, SUPPORT BARS AND ALL OTHER ACCESSORIES SHALL BE PROVIDED IN ACCORDANCE WITH ACI AND CRSI STANDARDS.
4.

CONTRACTOR SHALL PROVIDE CRACK CONTROL JOINTS IN ALL SLABS LOCATION, IF NOT SHOWN ON THE DRAWING, SHALL BE APPROVED BY THE ENGINEER.
5.

AGGREGATE BASE UNDER SLABS ON GRADE: NO.57 OR PENNDOT 2A AGGREGATE.
6.

COMPACT ALL AGGREGATE BACKFILL AS DEFINED IN THE SPECIAL PROVISIONS.
7.

CONCRETE MIXING OPERATIONS, ETC., SHALL CONFORM TO ASTM C94.
8.

CLEAR COVERAGE OF CONCRETE FOR SLAB ON GRADE OVER REBAR SHALL BE TWO (2) INCHES CLEAR FROM TOP.
9.

ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
10.

ANY CRACKS WITH A WIDTH MORE THAN 0.016 INCH IN WALLS AND SLABS SHALL BE REPAIRED FOLLOWING ACI 224.1R, CURRENT EDITION.
11.

CONCRETE SLAB SHALL HAVE BROOM FINISH: IMMEDIATELY AFTER CONCRETE HAS RECEIVED A FLOATED FINISH, GIVE THE CONCRETE SURFACE A COARSE TRANSVERSE SCORED TEXTURE BY DRAWING A BROOM ACROSS THE SURFACE.

12.

THE CONCRETE WALL SURFACE FINISH:  
A. PATCH VOIDS LARGER THAN ¾ INCH WIDE OR ½ INCH DEEP.  
B. REMOVE PROJECTION LARGER THAN ¼ INCH.  
C. PATCH TIE HOLES  
D. ABRUPT SURFACE IRREGULARITIES SHALL BE LESS THAN ¼ INCH. MEASUREMENT SHALL BE MADE WITHIN 1 INCH OF THE IRREGULARITY. GRADUAL SURFACE IRREGULARITIES SHALL BE MEASURED BY DETERMINING THE GAP BETWEEN THE CONCRETE AND THE NEAR SURFACE OF A 5 FEET STRAIGHT-EDGE, MEASURED BETWEEN CONTACT POINTS.

13.

FABRICATE FORM TIES SO ENDS OR END FASTENERS CAN BE REMOVED WITHIN MINIMUM SPALLING AT THE FACES OF CONCRETE. AFTER THE ENDS OR END FASTENERS OF FORM TIES HAVE BEEN REMOVED, TERMINATED THE EMBEDDED PORTION OF TIES NOT LESS THAN TWO DIAMETERS OR TWICE THE MINIMUM CROSS-SECTIONAL DIMENSION OF THE TIE, FROM THE FORMED CONCRETE SURFACE. IN NO CASE SHALL THIS DISTANCE BE LESS THAN ¾ INCHES. REPAIR TIE HOLES WITH PORTLAND CEMENT PATCHING MORTAR. PATCHING MORTAR USING THE SAME MATERIALS AS CONCRETE TO BE PATCHED WITH NO COARSE AGGREGATE.

14.

FORM LINER INSTALLATION SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATION. CONTRACTOR SHALL AVOID OR MINIMIZE BOTH VERTICAL AND HORIZONTAL JOINTS AND CAREFULLY CONSIDER PATTERN DIMENSIONS TO ACHIEVE AN OVERALL BALANCE DESIGN. FORM LINER JOINT SURFACE FINISH AND FORM LINER PATTERNS COMPARISON BETWEEN EACH SIDE OF JOINT SHALL BE INCLUDED IN THE CONCRETE WALL MOCK UPS AS THE COMPARISON STANDARD FOR THE REMAINING WORK.

SUPPLEMENTARY NOTES

1.

THESE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
2.

THE CONTRACTOR SHALL MAINTAIN SECURITY AND PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND OTHER PERSONS DURING ALL CONSTRUCTION WORK. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, MEANS AND METHODS, BRACING, SHORING, FORMS, SCAFFOLDING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE ENGINEER OR STRUCTURAL OBSERVERS SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
3.

IN GENERAL, POST-INSTALLED ANCHORS SHALL NOT REPLACE CAST-IN-PLACE ANCHORS. POST-INSTALLED ANCHORS SHALL BE UTILIZED ONLY WHERE SPECIFICALLY NOTED AND DETAILED ON THESE DRAWINGS. IF POST-INSTALLED ANCHORS ARE NECESSARY DUE TO ERRORS IN CONSTRUCTION, SUCH INSTALLATION SHALL NOT COMMENCE UNTIL SEALED SHOP DRAWINGS ARE SUBMITTED AND APPROVED.
4.

FURNISH AND INSTALL ¾" MESH BAT NETTING WHERE SHOWN ON DRAWINGS, BAT NETTING BY BIRD B GONE (WWW.BIRDBGONE.COM OR 1-800-392-6915), OR APPROVED EQUAL

SHOP DRAWINGS NOTES

1.

THE STRUCTURAL SHOP DRAWING REVIEW IS INTENDED TO HELP THE ENGINEER VERIFY THE DESIGN CONCEPT. THIS REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH DESIGN DRAWINGS AND SPECIFICATIONS, WHICH HAVE A PRIORITY OVER SHOP DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMED AND CORRELATED DIMENSIONS, FABRICATION PROCESSES, MEANS, METHODS, TECHNIQUES, SAFETY, AND COORDINATION OF THE WORK WITH OTHER TRADES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK THEIR OWN SHOP DRAWINGS AND THOSE OF THEIR SUBCONTRACTORS.
2.

THE STRUCTURAL SHOP DRAWINGS SHALL BE CHECKED BY CONTRACTOR PRIOR TO SUBMITTAL. THE SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF A CURSORY REVIEW SHOWS MAJOR ERRORS WHICH SHOULD HAVE BEEN FOUND BY THE CONTRACTOR'S CHECKING. ALL SHOP DRAWINGS SHALL INCLUDE PLAN LAYOUTS SHOWING LOCATIONS OF ITEMS DETAILED ON THE SHOP DRAWINGS. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS. ANY OF THE CHANGES WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED REVIEWED AFTER ENGINEER'S REVIEW UNLESS NOTED ACCORDINGLY.
3.

CONCRETE MIX DESIGNS: SHALL BE SUBMITTED IN CONFORMANCE WITH PENNDOT PUBLICATION 408.
4.

FOLLOWING SHOP DRAWINGS AND CALCULATIONS WHEN APPLICABLE, ARE REQUIRED FOR SUBMITTAL FOR STRUCTURAL REVIEW:  
  
SLAB ON GRADE REINFORCEMENT.  
FORM WORK SHOP DRAWING, CALCULATIONS, FORM TIES.  
SPREAD FOOTINGS REINFORCEMENT.  
CONCRETE WALL REINFORCEMENT.  
LOCATION OF CONSTRUCTION AND SHRINKAGE CONTROL JOINTS.  
SPliced REINFORCING.  
STRUCTURAL STEEL.  
RIGID HI-ARCH GAMBREL FRAMES AND CONNECTIONS.  
LEAN-TO ROOF FRAMING AND CONNECTIONS.  
ELECTRICAL DOOR SYSTEMS AND CONNECTIONS.  
GARAGE DOOR AND DOOR OPERATOR.  
GARAGE DOOR CONNECTIONS  
INTERIOR DOOR WITH LOCK.
5.

ANY RESUBMITTAL OF A DETAIL SHEET WITH CHANGED INFORMATION SHALL BE ACCOMPANIED BY LOCATION PLAN IDENTIFYING THE MEMBERS INVOLVED, AND CLOUDING AROUND CHANGED INFORMATION.
6.

DIMENSIONS WILL NOT BE CHECKED. DIMENSION CHECKING AND CHECKING OF DESIGN CHANGES PROPOSED BY CONTRACTOR WITHOUT PRIOR CONSULTATION WITH THE ENGINEER SHALL BE CHECKED ONLY IF THE CONTRACTOR WISHES THEM TO BE CHECKED AT THEIR COST.
7.

ANY ENGINEERING SUBMITTED FOR REVIEW SHALL BE APPROPRIATELY SEALED. FULL RESPONSIBILITY OF SUCH ENGINEERING RESTS WITH THE PERSON SEALING THE DESIGN.

COUNTY	TOWNSHIP / CITY	ROUTE	TOTAL SHEETS
NORTHAMPTON, PA	EASTON	US 22	29
WARREN, NJ	PHILLIPSBURG		

REINFORCING STEEL NOTES

1.

ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH PENNDOT PUBLICATION 408, PENNDOT DESIGN MAUAL, PART 4 AND THE 'MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION' BY CRSI AND WCRSI, AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.
2.

ALL REINFORCING BARS SHALL MEET THE REQUIREMENTS OF ASTM A-615, GRADE 60 EPOXY COATED. EPOXY COATED REBAR SHALL NOT BE CUT IN THE FIELD.
3.

PLACE BARS AT CONSTRUCTION JOINTS AS DETAILED OR SPECIFICALLY APPROVED BY ENGINEER. "STICKING" OF DOWEL AT CONSTRUCTION JOINTS IS NOT PERMITTED.
4.

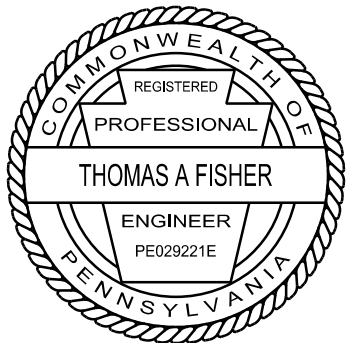
ALL WELDED WIRE FABRIC SHALL MEET THE REQUIREMENTS OF ASTM A-185.
5.

SPICES SHALL BE MADE AS AND WHERE INDICATED ON THE STRUCTURAL DRAWINGS.ADDITIONAL SPLICE LOCATIONS SHALL BE SUBMITTED FOR APPROVAL.
6.

DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SPACING AND NUMBER AS THE SPECIFIED VERTICAL REINFORCING, U.N.O.
7.

ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION OCCURS.

△	ADDENDUM NO. 1	FS	FY	5/24/18
MARK	DESCRIPTION	BY	CHK.	DATE
REVISIONS				



**IH Engineers, P.C.**  
103 COLLEGE ROAD EAST  
PRINCETON, NJ 08540

DELAWARE RIVER JOINT TOLL BRIDGE COMMISSION  
MORRISVILLE, PENNSYLVANIA

EASTON-PHILLIPSBURG TOLL BRIDGE  
SALT STORAGE BUILDING

GENERAL NOTES

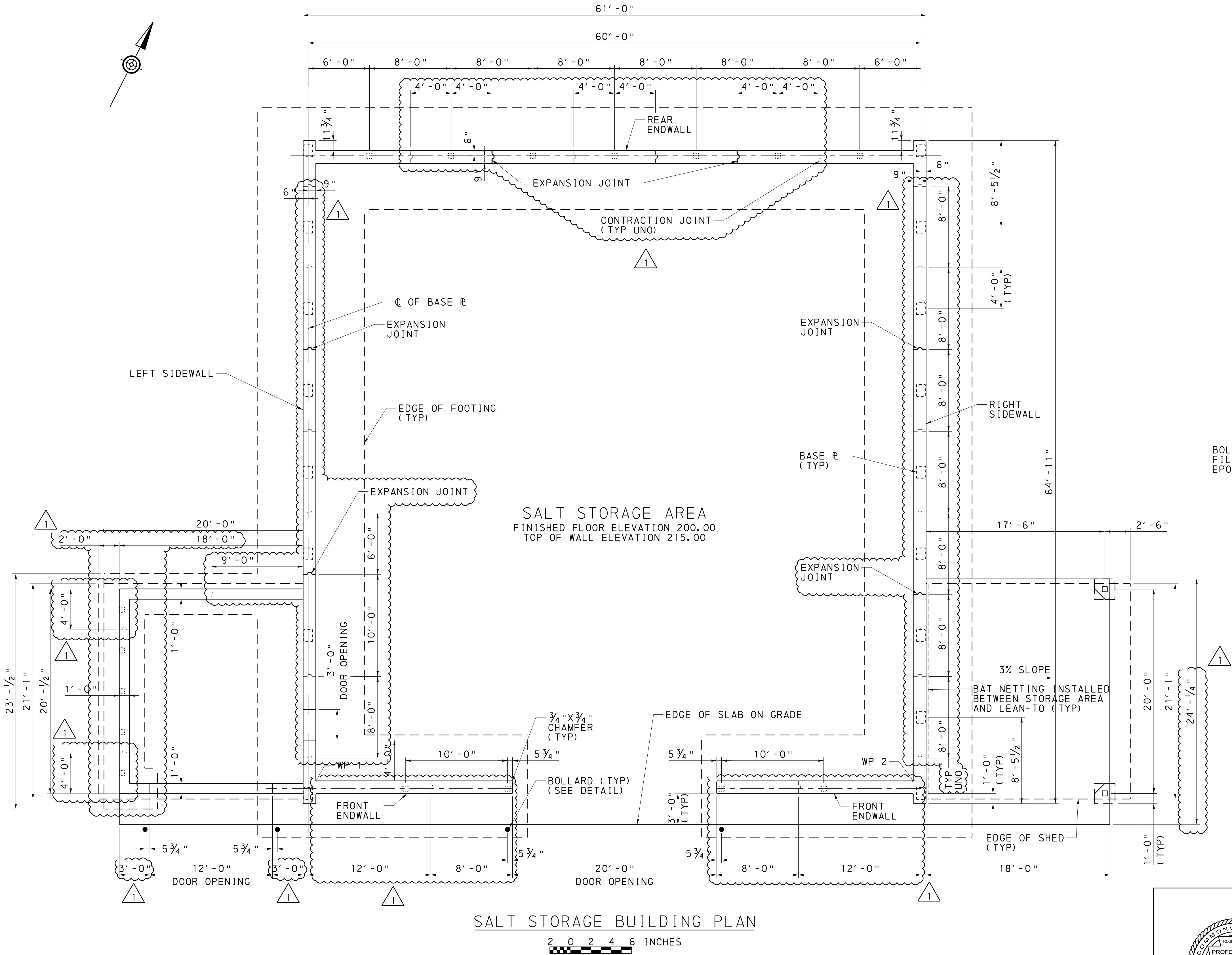
SCALE: N/A  
DATE: MAY 2018

CONTRACT NO. T-711A

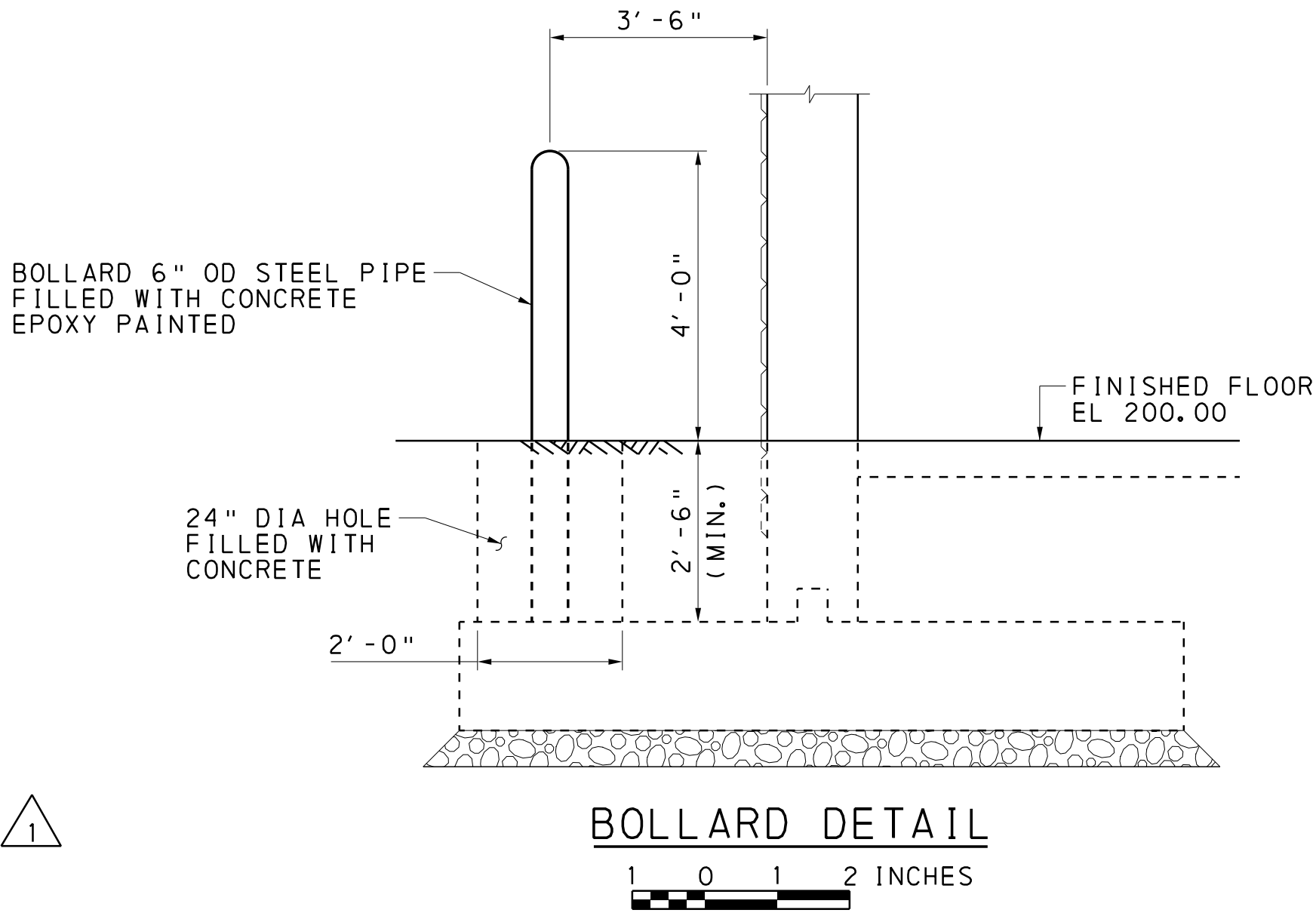
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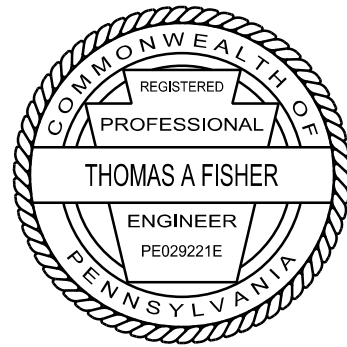
COUNTY	TOWNSHIP / CITY	ROUTE	TOTAL SHEETS
NORTHAMPTON, PA	EASTON	US 22	29
WARREN, NJ	PHILLIPSBURG		



- NOTE:
1. THE WALL THICKNESS SHOWN ON THE PLAN DOES NOT INCLUDE THE ADDITIONAL THICKNESS OF FORMLINER.
  2. CONTRACTOR TO ADJUST TIMBER TRUSSES WIDTH AND TRUSS BASE PLATE DETAIL FOR THE THICKNESS OF FORMLINER.
  3. NO SEPARATE PAYMENT FOR GARAGE DOOR, INTERIOR DOOR, BOLLARD, EXTEIOR AND INTEIOR CONCRETE COATING, SAFTY PAINT AND BAT NETTING.
  4. 36"x80" FIBER GLASS INTERIOR DOOR WITH LOCK APPROVED BY ENGINEER.



MARK	ADDENDUM NO. 1	FS	FY	5/24/18
MARK	DESCRIPTION	BY	CHK.	DATE
REVISIONS				



**IH Engineers, P.C.**  
103 COLLEGE ROAD EAST  
PRINCETON, NJ 08540

DELAWARE RIVER JOINT TOLL BRIDGE COMMISSION  
MORRISVILLE, PENNSYLVANIA

**EASTON-PHILLIPSBURG TOLL BRIDGE  
SALT STORAGE BUILDING**

**FLOOR PLAN**

SCALE: AS SHOWN  
DATE: MAY 2018

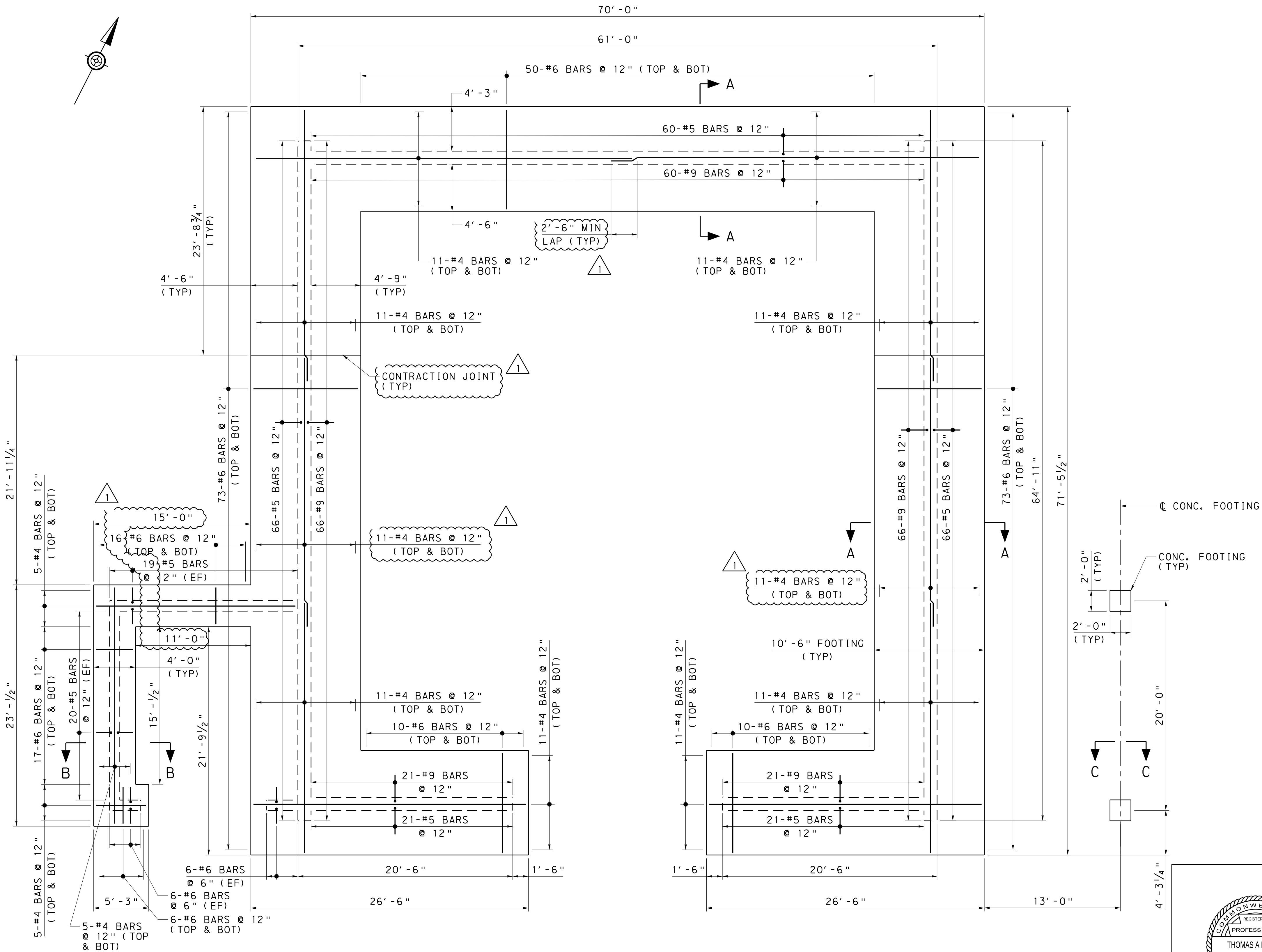
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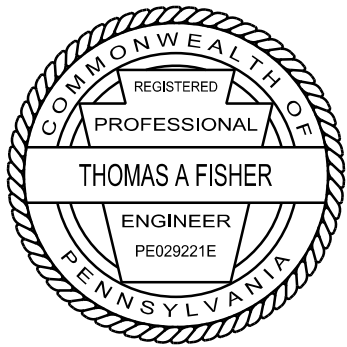
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COUNTY	TOWNSHIP / CITY	ROUTE	TOTAL SHEETS
NORTHAMPTON, PA	EASTON	US 22	29
WARREN, NJ	PHILLIPSBURG		



NOTE:  
1. FOR SECTION A-A, B-B AND C-C, SEE FOUNDATION AND WALL SECTIONS.

△	ADDENDUM NO. 1	FS	FY	5/24/18
MARK	DESCRIPTION	BY	CHK.	DATE
REVISIONS				



DELAWARE RIVER JOINT TOLL BRIDGE COMMISSION  
MORRISVILLE, PENNSYLVANIA

EASTON-PHILLIPSBURG TOLL BRIDGE  
SALT STORAGE BUILDING

FOUNDATION AND WALL  
PLAN

IH Engineers, P.C.  
103 COLLEGE ROAD EAST  
PRINCETON, NJ 08540

SCALE: AS SHOWN  
DATE: MAY 2018

CONTRACT NO. T-711A

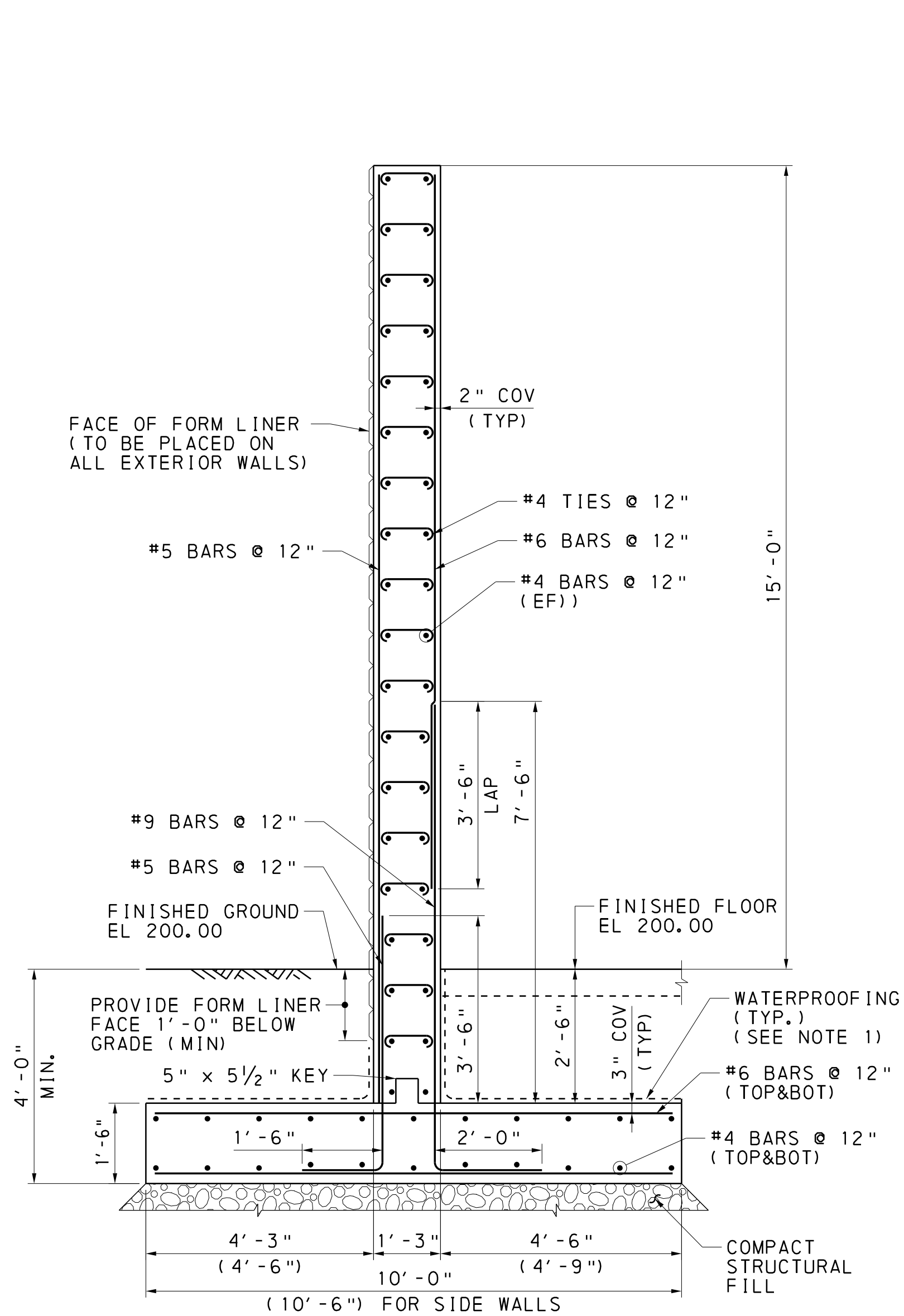
SHEET NO.13 OF 29

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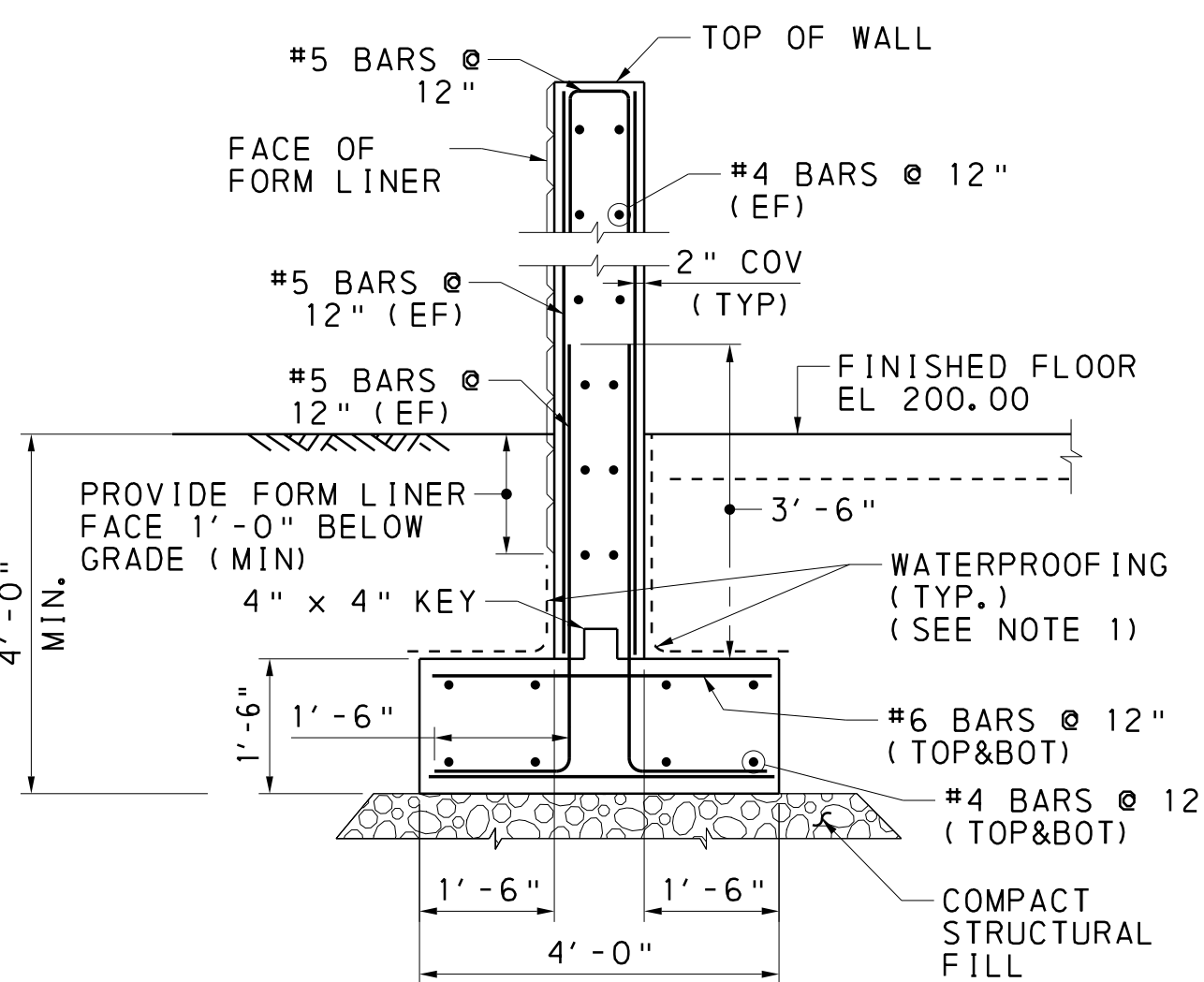
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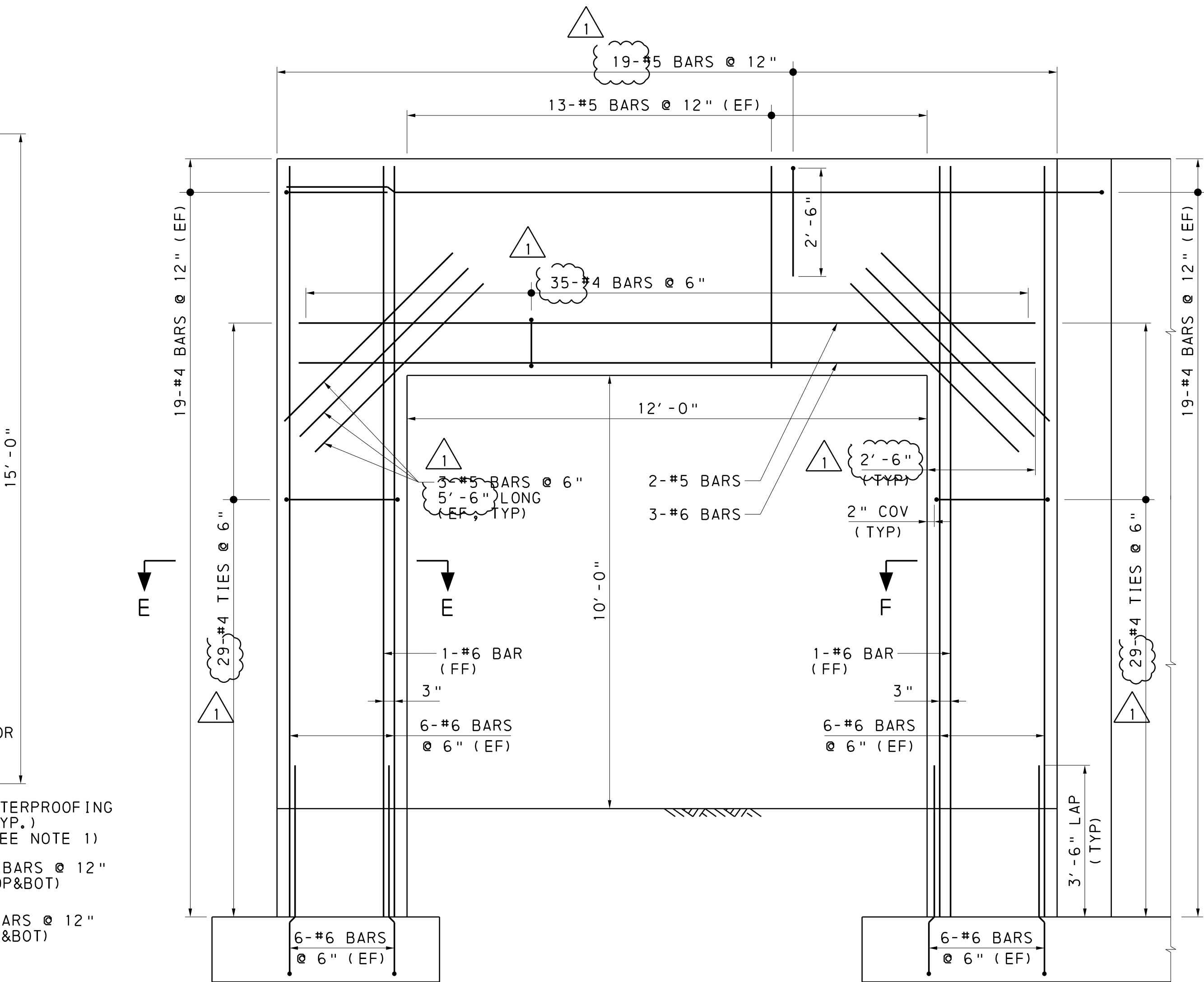
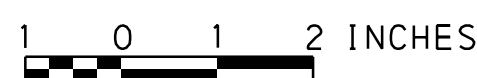
COUNTY	TOWNSHIP / CITY	ROUTE	TOTAL SHEETS
NORTHAMPTON, PA	EASTON	US 22	29
WARREN, NJ	PHILLIPSBURG		



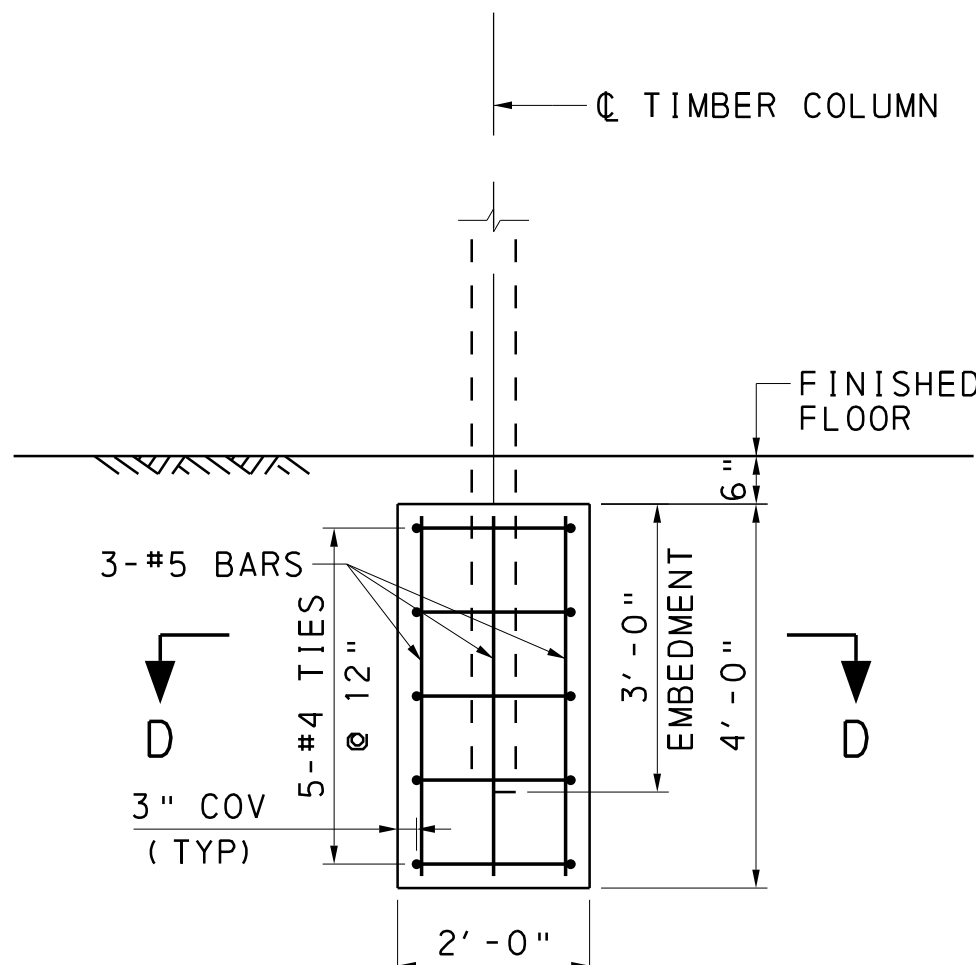
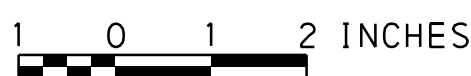
SECTION A-A



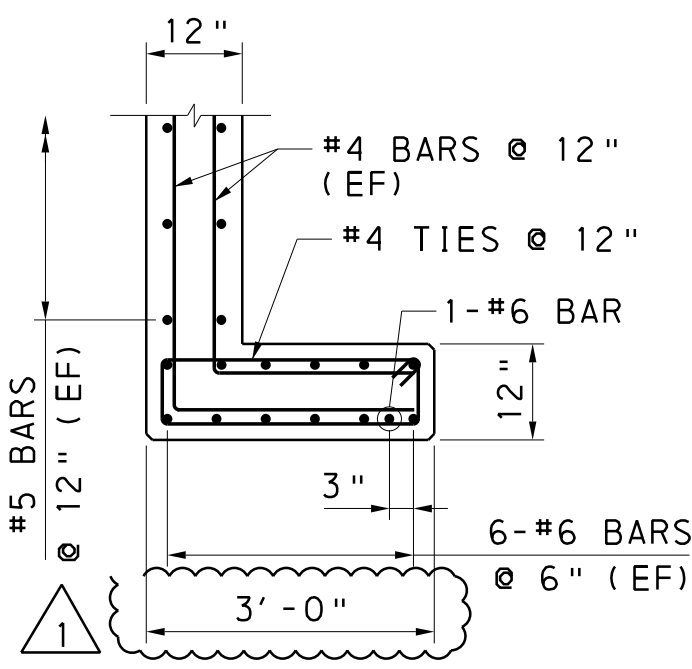
SECTION B-B



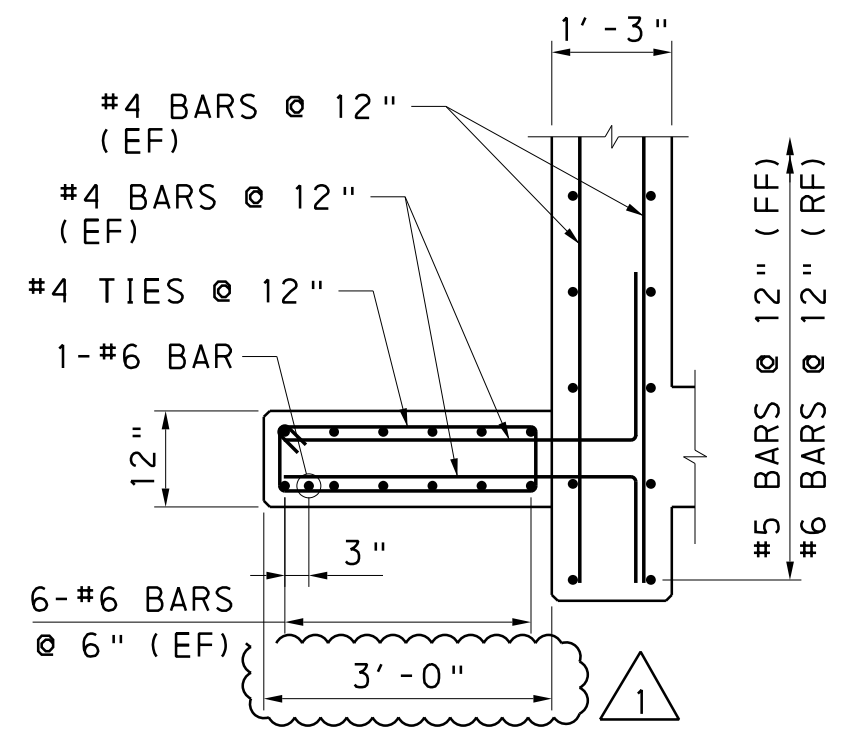
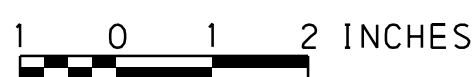
REINFORCEMENT DETAIL AT 12'-0" DOOR OPENING



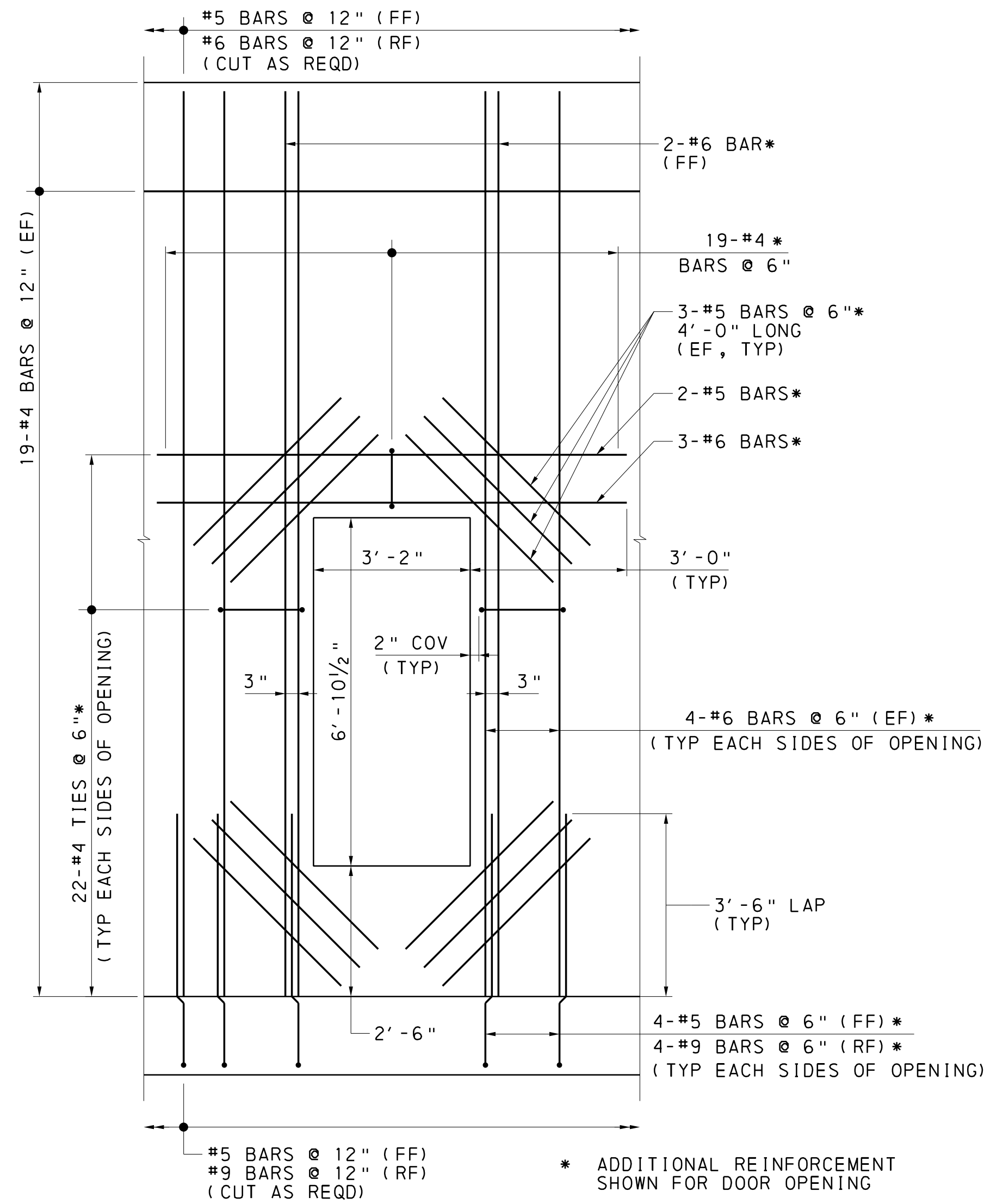
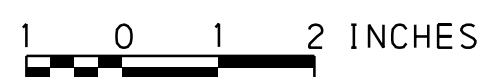
SECTION C-C



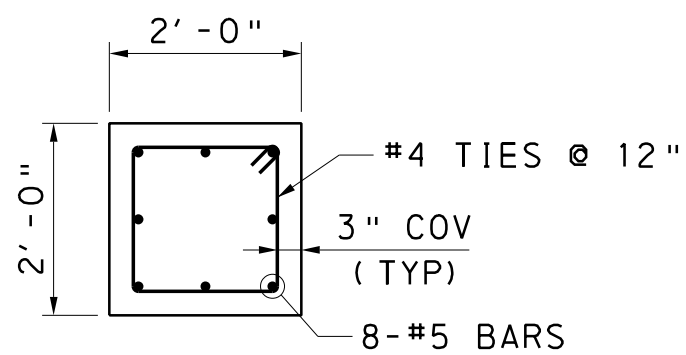
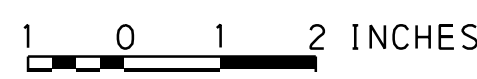
SECTION E-E



SECTION F-F



REINFORCEMENT DETAIL AT 3'-0" DOOR OPENING



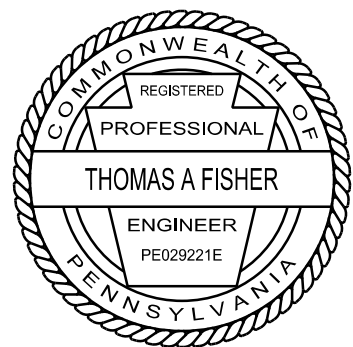
SECTION D-D



NOTE:

1. WATERPROOFING SHALL BE ADHESIVE-BACKER PREFORMED MEMBRANE SHEET, SEE PENNDOT SPECIFICATION SECTION 680. THIS IS INCIDENTAL TO THE SALT STORAGE BUILDING.
2. CONTRACTOR TO VERIFY THE OPENING FOR INTERIOR DOOR AND GARAGE DOOR.

MARK	ADDENDUM NO. 1	FS	FY	5/24/18
MARK	DESCRIPTION	BY	CHK.	DATE
REVISIONS				



IH Engineers, P.C.  
103 COLLEGE ROAD EAST  
PRINCETON, NJ 08540

DELAWARE RIVER JOINT TOLL BRIDGE COMMISSION  
MORRISVILLE, PENNSYLVANIA

EASTON-PHILLIPSBURG TOLL BRIDGE  
SALT STORAGE BUILDING

FOUNDATION AND WALL  
SECTIONS

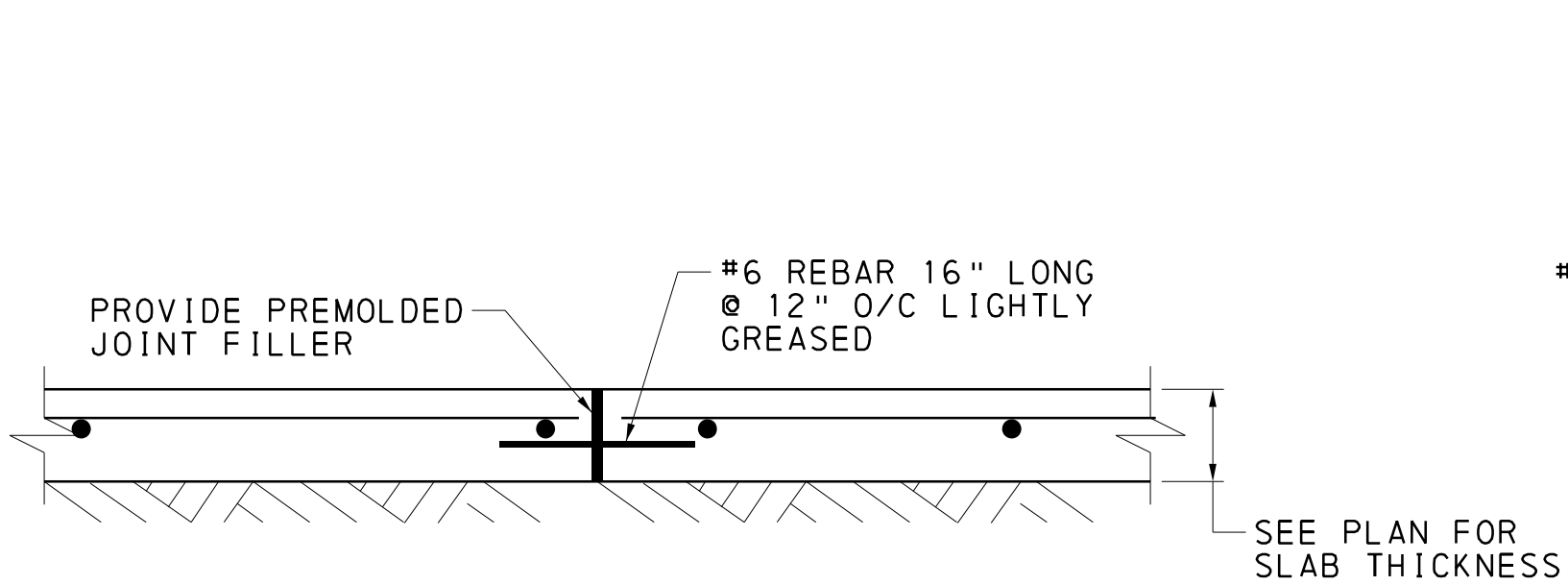
SCALE: AS SHOWN  
DATE: MAY 2018

CONTRACT NO. T-711A

SHEET NO.14 OF 29



COUNTY	TOWNSHIP / CITY	ROUTE	TOTAL SHEETS
NORTHAMPTON, PA	EASTON	US 22	29
WARREN, NJ	PHILLIPSBURG		

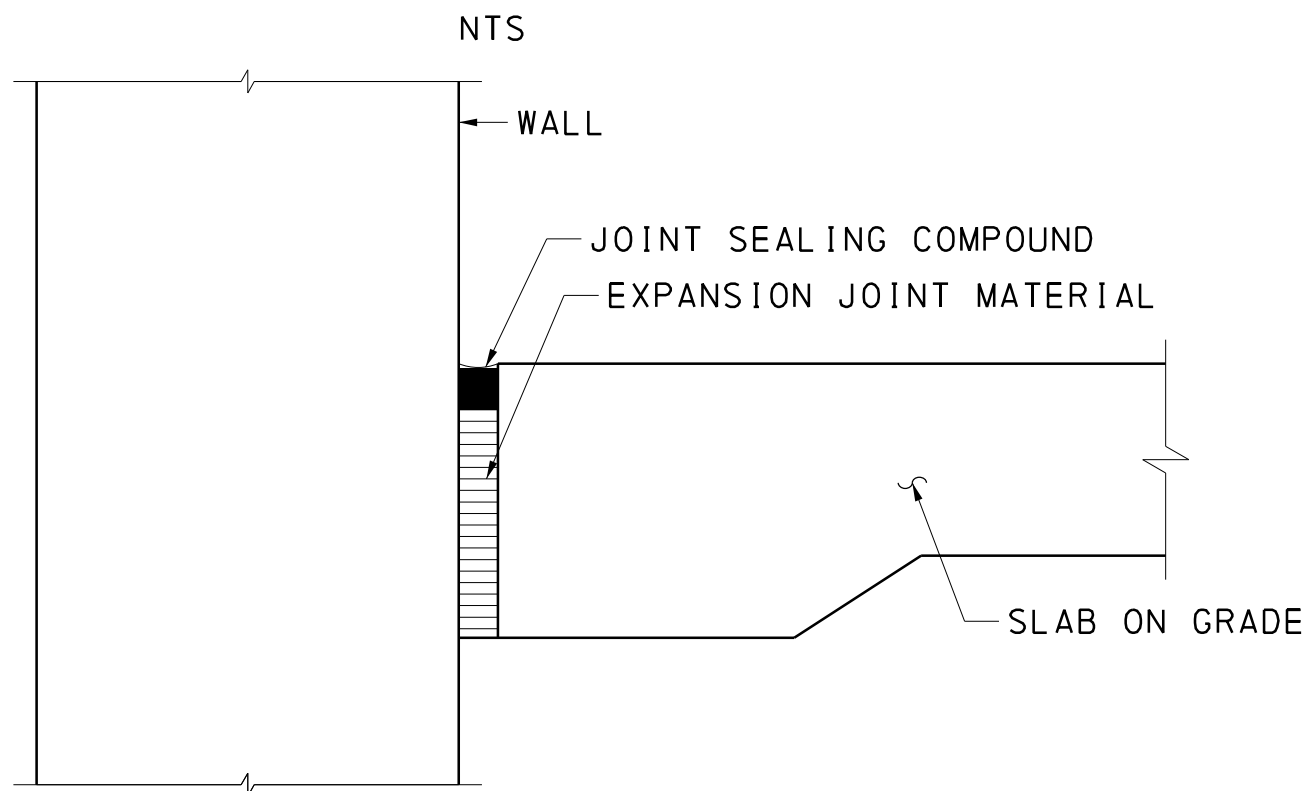


CONSTRUCTION JOINT

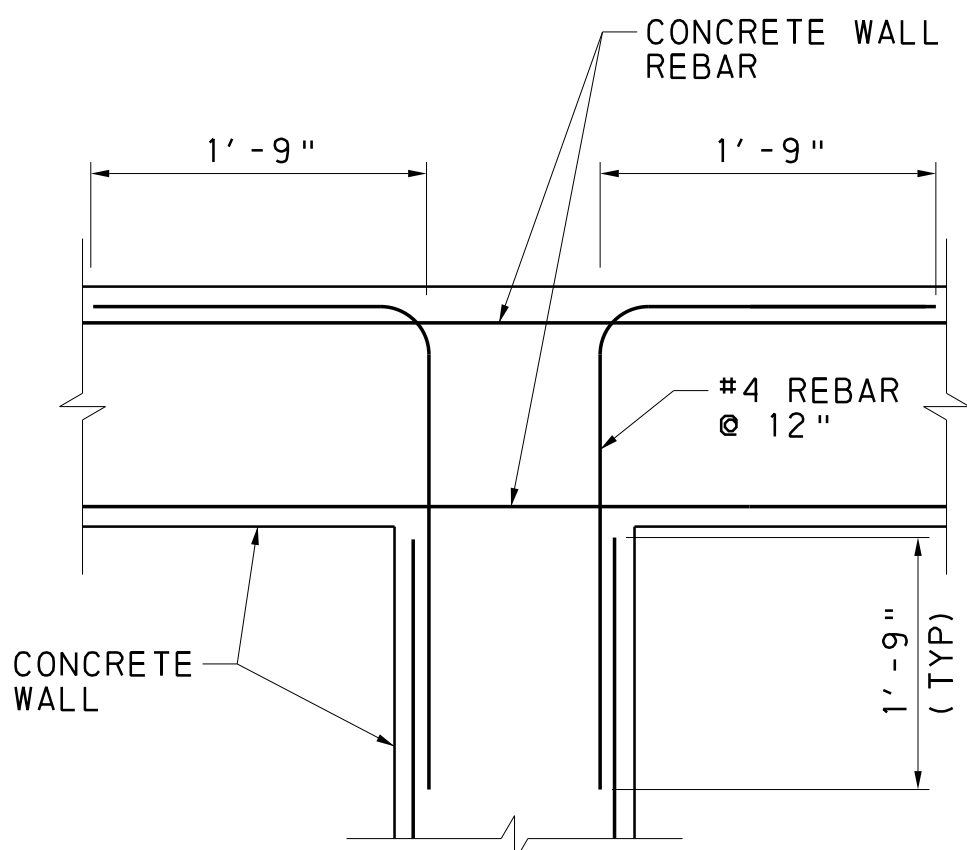
NOTES:

- CONTRACTION JOINTS SHALL CREATE PANELS OF 225 SQ FT (MAXIMUM). THE MAXIMUM CONSTRUCTION JOINT SPACING IS 30'-0".
- STOP DOWELS WITHIN 4'-0" OF END OF PANELS.
- USE PNA DOWEL ALIGNMENT DEVICE OR APPROVED EQUAL FOR FORMED CONSTRUCTION JOINTS.
- FOR SLAB REINFORCING, SEE CONTRACTION JOINT DETAIL.
- SLAB ON GRADE SHALL CONFORM TO PENNDOT PUBLICATION 408 SECTION 501.

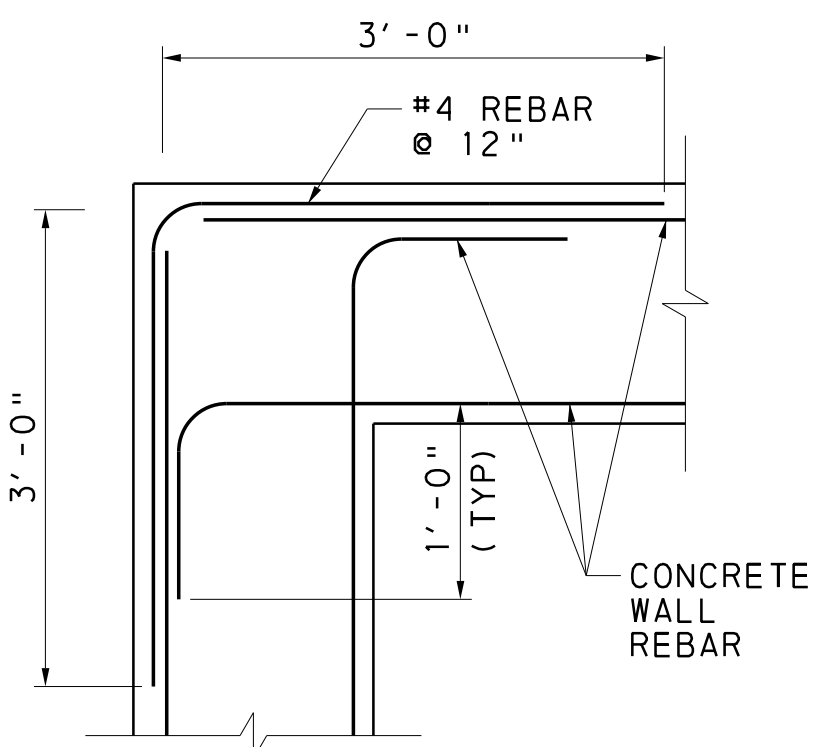
TYPICAL SLAB ON GRADE DETAILS



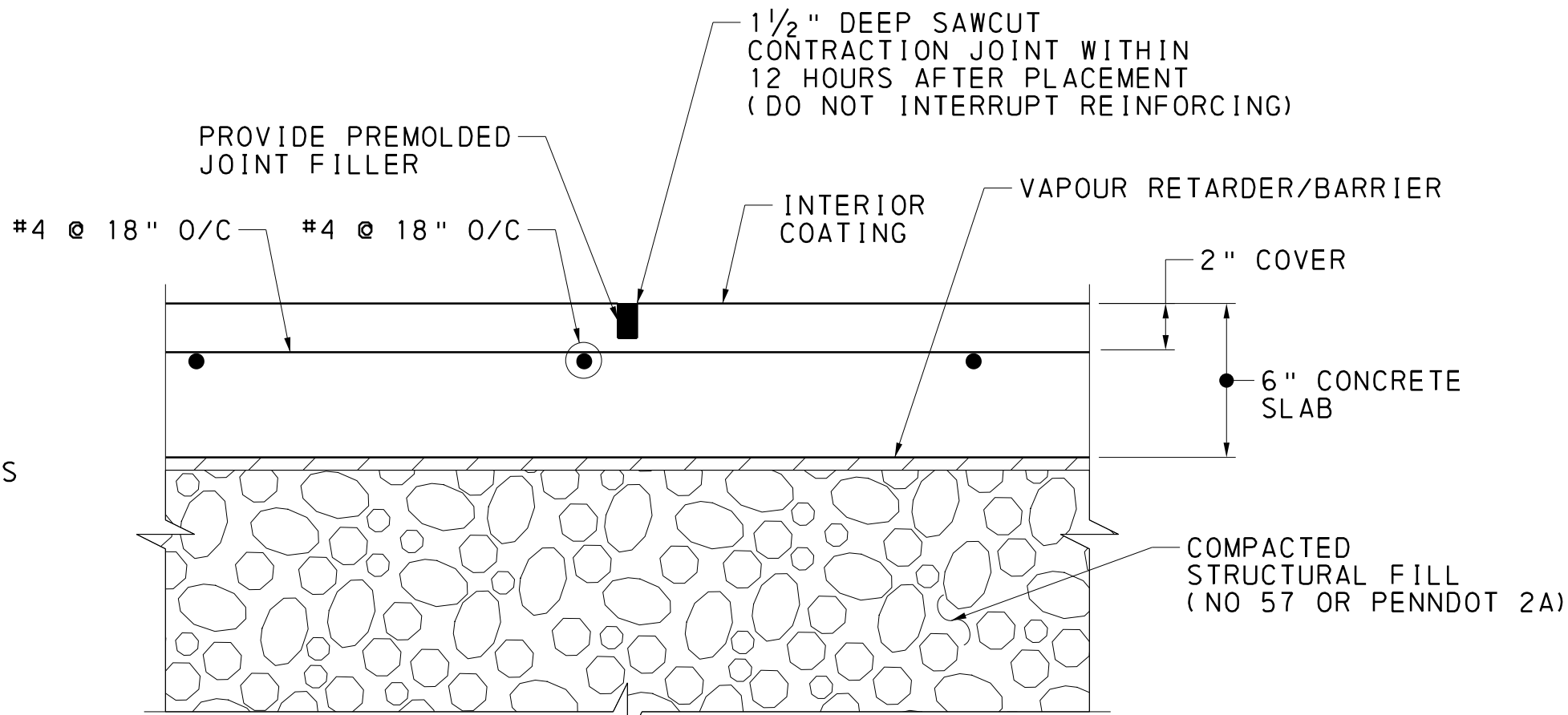
ISOLATION JOINT AT SLAB



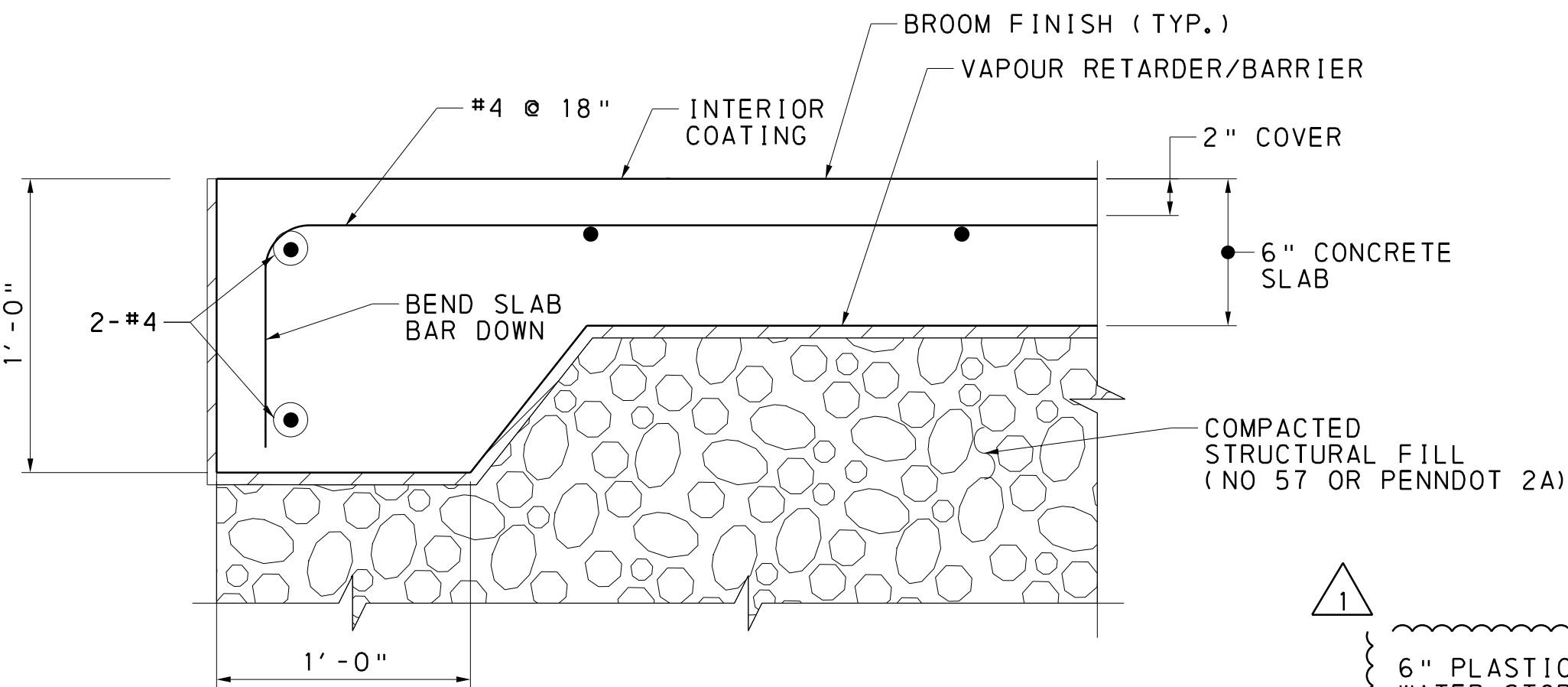
CONCRETE WALL INTERSECTION DETAIL



CONCRETE WALL CORNER DETAIL



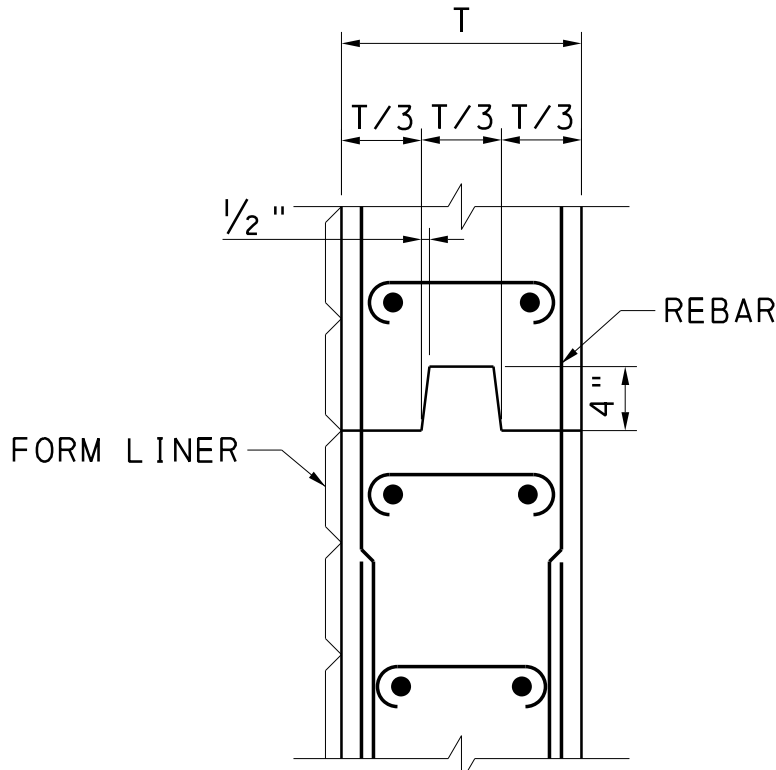
SLAB CONTRACTION JOINT



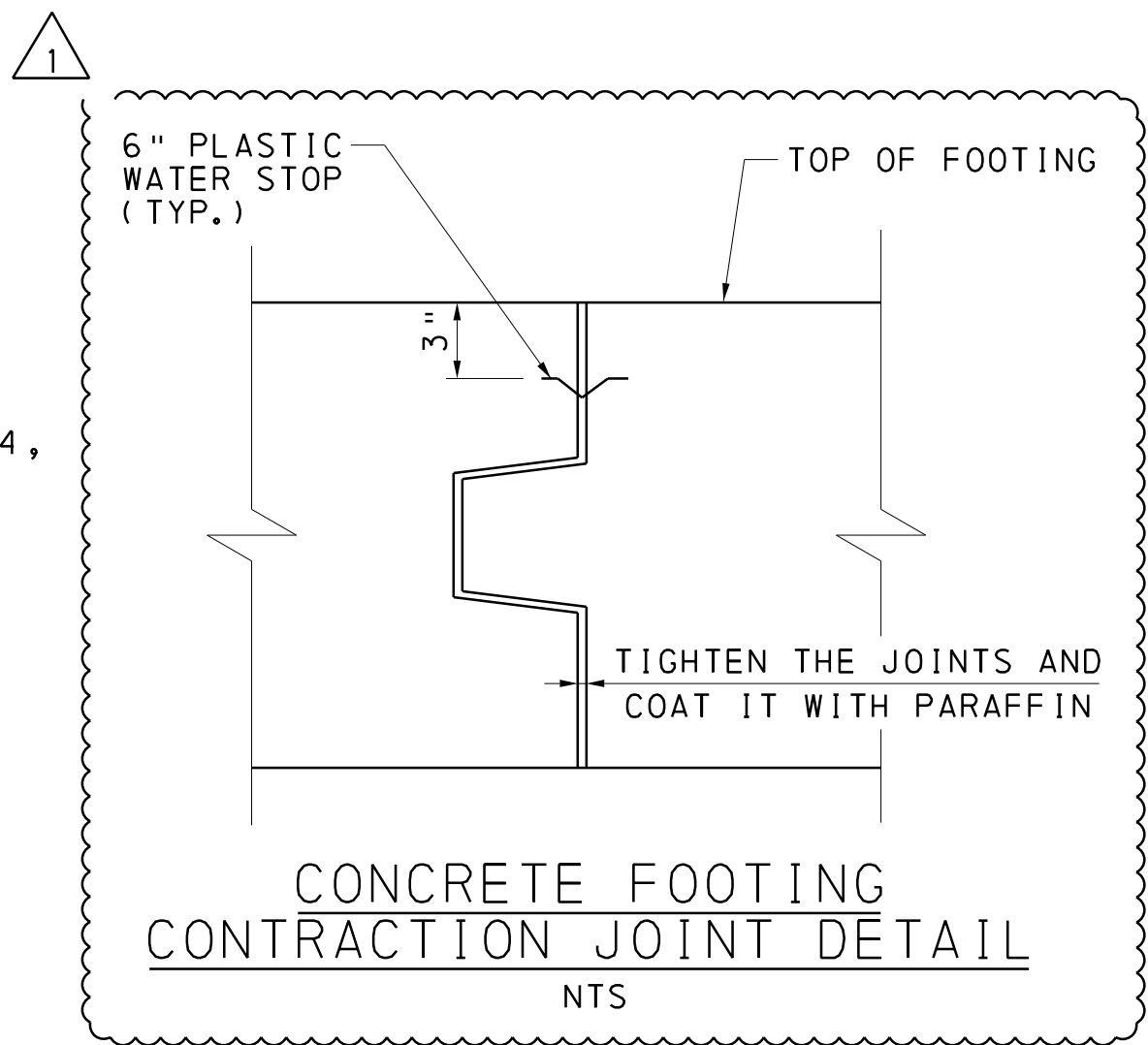
EDGE OF SLAB ON GRADE

NOTE:

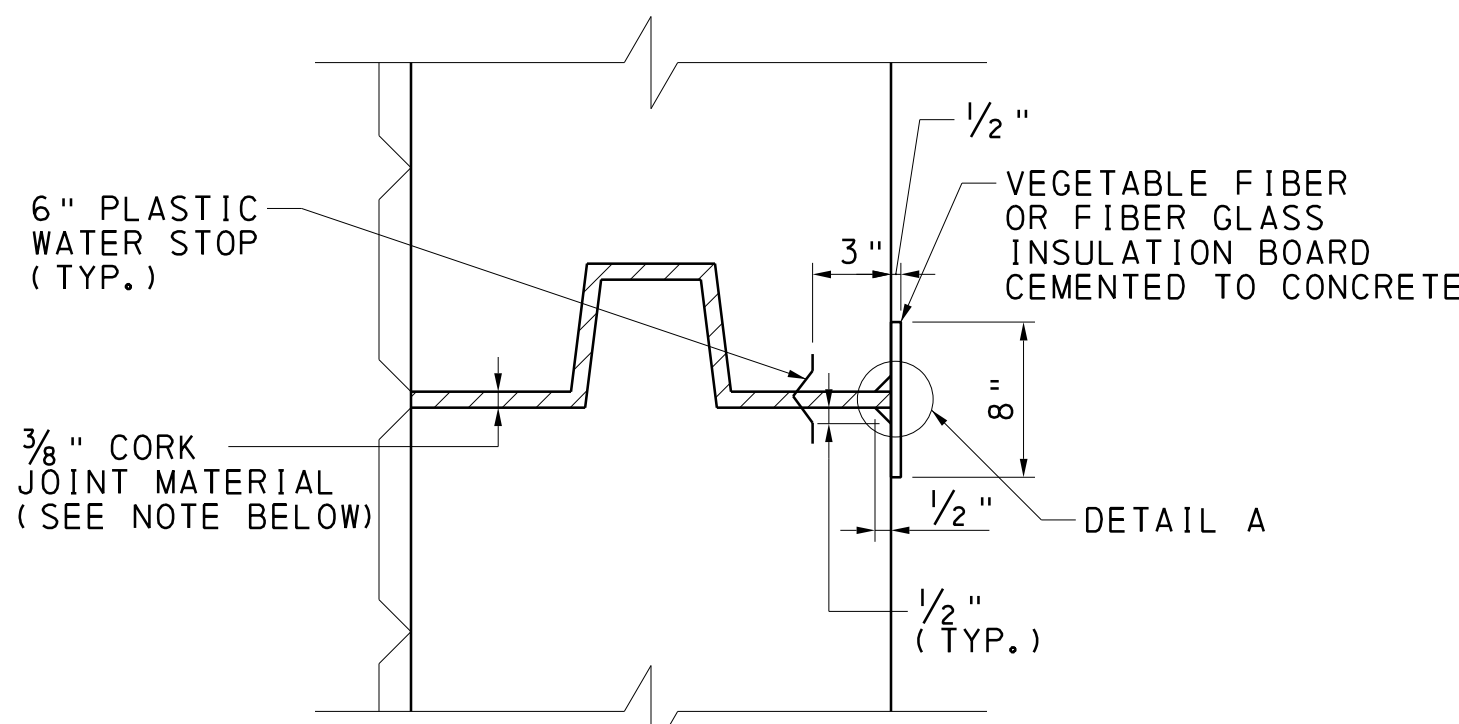
- VAPOUR RETARDER/BARRIER SHALL MEET REQUIREMENTS OF ASTM E174, THE LAPS OR SEAMS FOR A VAPOR RETARDER/BARRIER SHOULD BE OVER LAPPED 6 INCH (ASTM E1643) OR AS INSTRUCTED BY THE MAUFACTUREER. CONTRACTOR SHALL SUBMIT THE SHOP DRAWINGS FOR APPROVAL.



CONCRETE WALL CONSTRUCTION JOINT DETAIL

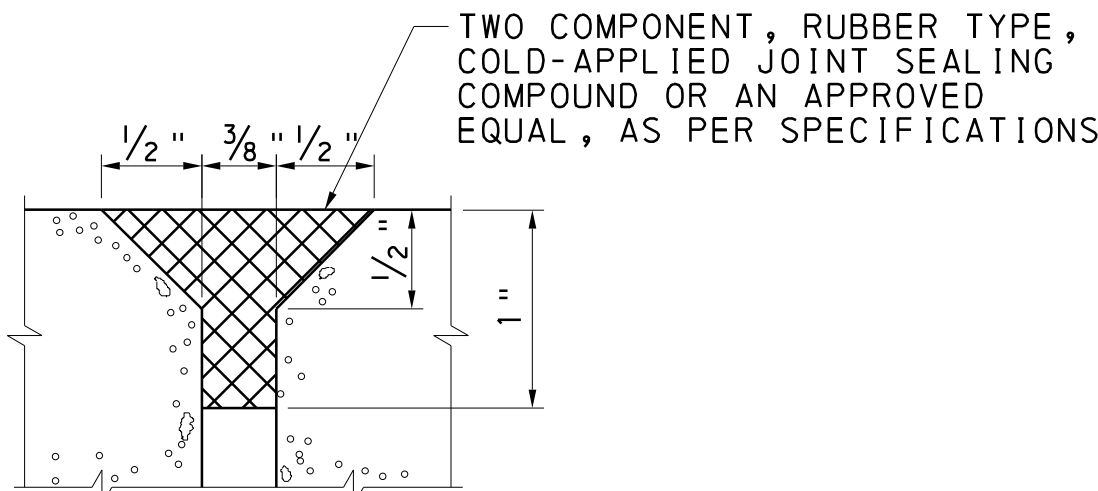


CONCRETE FOOTING CONTRACTION JOINT DETAIL

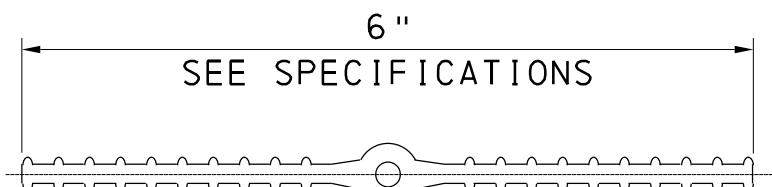


CONCRETE WALL CONTRACTION JOINT DETAIL

CORK JOINT MATERIAL: CONFORMING TO AASHTO SPECIFICATIONS, DESIGNATION M153, TYPE 2, WHERE JOINT IS NOTED AS EXPANSION JOINT. TIGHTEN THE CONTRACTION JOINTS AND COAT IT WITH PARAFFIN.

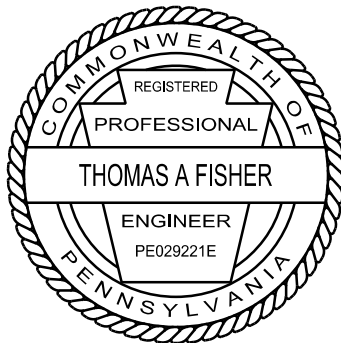


DETAIL A SEALER



DETAIL 6" PLASTIC WATERSTOP

MARK	ADDENDUM NO. 1	FS	FY	5/24/18
MARK	DESCRIPTION	BY	CHK.	DATE
REVISIONS				



IH Engineers, P.C.  
103 COLLEGE ROAD EAST  
PRINCETON, NJ 08540

DELAWARE RIVER JOINT TOLL BRIDGE COMMISSION  
MORRISVILLE, PENNSYLVANIA

EASTON-PHILLIPSBURG TOLL BRIDGE  
SALT STORAGE BUILDING

FLOOR SLAB AND  
MISCELLANEOUS DETAILS

SCALE: AS SHOWN  
DATE: MAY 2018

CONTRACT NO. T-711A

SHEET NO.15 OF 29

SUPERVISED	T FISHER	DES. FY	CKD. HR	DWN. MJM
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PLOT BY: USER: rmanue  
PLOT DATE: 8:55:54 AM  
CADD FILE: Y:\DUTS\Structural\Civil\Tol Agreement\TO 3 - EP Toll Bridge - Final Design of Salt Storage Facility\12 CAD\STR\md03\_ADD\_01.dgn

