



**EMERGENCY PIER 40 ELEVATED WALKWAY REPLACEMENT
CONTRACT NO. C4995
QUESTIONS & ANSWERS
OCTOBER 3, 2018**

- 1. Q: Allowable load for trucking over the parking lot level #2 and ramps going up from level 1 or street level.**

A: 1) The roof loading: 40 pound per sq. ft.

- 2) The design criteria for the precast planks:
Superimposed dead load: 75 pounds per sq. ft.
Live load: 50 pound per sq. ft.**

- 3) Work/Equipment restrictions: 2000 pound load per wheel.
All equipment should be submitted to our office for review.**

- 2. Q: Please could you confirm that water stops are required as callout in specs 03300-13. I have not detail DWG's for this specific product.**

We have 2 products specified:

- 1. PVC polyvinylchloride 6" wide water stop #782, there is not details indicating slab to wall connections etc.**
- 2. Hydrophilic water stop Volclay RX. There is not locations for slab over slab placement areas for the strip.**

A: Water stops are not required as specified by 033000.

- 3. Q: For chairs to hold EW rebars #5, after finish slab is cured, and knowing this slab is a lightweight structural cast in place concrete at elevated walkway, no on grade, are this chairs left exposed at the bottom? It does require some patching after concrete is cured?**

A: Rebar chairs shall be plastic tipped or equal as to not allow any metal portion of the chairs to be in contact with the formwork or protrude through the bottom of the slab. Concrete shall be tightly formed around the bottom of the chairs, any large voids or spalls at the rebar chairs shall be patched by means and methods of the contractor.

- 4. Q: According to provided drawings S1.3 & S1.4 the slab replacement goes up to the staircase walls which would include a portion of cast-in-place concrete slab, not concrete topping over metal deck, & existing expansion joint facing the South wall of the staircase.**

Questions:

- Are the mentioned portion of cast-in-place concrete slab & expansion joint part of this repair work?**

- **If so, then provide a proper detail for this work showing the required expansion joint as well as technical specification for the new expansion joint.**

A: The concrete slab portion of the stairs is to remain in place and a deck expansion joint is to be installed between the new cast in place slab and the existing. The attached drawings have been updated to reflect the condition and the deck expansion joint detail has been added, and specifications have been attached for the expansion joint material.

- 5. Q: DWG S-004 not provided.**

A: DWG S-004 is not part of this project.

- 6. Q: Can we drill anchors in to existing beams for form work?**

A: No, drilling anchors into the existing beams is not permitted.

- 7. Q: Please provide a list of what utilities will need to be addressed.**

A: There are no utilities that will need to be removed. As per the contract drawings, existing light fixtures and conduits will need to be protected during demolition and construction operations, and existing chain link fence, posts and base plates are to be removed and stored for reinstallation.

- 8. Q: Can we work 10Pm-6Pm for the removal of the concrete deck?**

A: No, the Park is closed from 1:00 am to 6:00 am.

- 9. Q: Is a bid bond required for this project?**

A: No, a bid bond is not required.

SPECIFICATION
Sections 07 90 00 / 07 95 00

Watertight Traffic Bearing Deck Expansion Joint
Membrane/Nosing System

PART 1 – GENERAL

1.01 Work Included

- A. The work shall consist of furnishing and installing waterproof expansion joints in accordance with the details shown on the plans and the requirements of the specifications. The expansion joint shall be a blockout-mounted chemically anchored extruded rubber gland/nosing system.
- B. Related Work
 - Division 3 - Cast-in-Place Concrete
 - Division 7 - Thermal & Moisture Protection
 - Division 7 - Sealants, Caulking and Waterproofing

1.02 Submittals

- A. General – Submit the following according to Division 1 Specification Section.
- B. Standard Submittal Package – Submit typical expansion joint drawings(s) indicating pertinent dimensions, general construction, expansion joint opening dimensions and product information.
- C. Sample of material is required at time of submittal.

1.03 Product Delivery, Storage and Handling

- A. Deliver products to site in Manufacturer’s original, intact, labeled containers. Handle and protect as necessary to prevent damage or deterioration during shipment, handling and storage. Store in accordance with manufacturer’s installation instructions.

1.04 Basis of Design

- A. All joints shall be designed to meet the specified performance criteria of the project as manufactured by: (USA & International) EMSEAL JOINT SYSTEMS, LTD 25 Bridle Lane, Westborough, MA 01581-2603, Toll Free: 800-526-8365. (Canada) EMSEAL, LLC 120 Carrier Drive, Toronto, Ontario, Canada M9W 5R1 Toll Free: 800-526-8365. www.emseal.com
- B. Alternate manufacturers must demonstrate that their products meet or exceed the design criteria. Submittal of alternates must be made three weeks prior to bid opening to allow proper evaluation time.

1.05 Quality Assurance

- A. The General Contractor will conduct a pre-construction meeting with all parties and trades involved in the treatment of work at and around expansion joints including, but not limited to, concrete, mechanical, electrical, HVAC, landscaping, masonry, curtain wall, waterproofing, fire-stopping, caulking, flooring and other finish trade subcontractors. All superintendents and foremen with responsibility for oversight and setting of the joint gap must attend this meeting. The General Contractor is responsible to coordinate and schedule all trades and ensure that all subcontractors understand their responsibilities in relation to expansion joints and that their work cannot impede anticipated structural movement at the expansion joints, or

compromise the achievement of watertightness or life safety at expansion joints in any way.

- B. The General Contractor shall provide a field report that summarizes the project conditions and any remedial action necessary to correct field conditions (substrate, joint size, blockout, vertical offsets, etc.) that may affect expansion joint system performance.
- C. Warranty – Manufacturer’s standard warranty shall apply.

PART 2 – PRODUCT

2.01 General

- A. Provide traffic durable, watertight, expansion joint by EMSEAL JOINT SYSTEMS for expansion joints and isolation joints in decks. Typical locations include, but are not limited to the following: applications for joints over occupied space, parking deck joints, stair tower perimeters, elevator perimeters, stadium tread and risers, stadium concourses, and solid slab structural expansion joints. System shall perform waterproofing, traffic bearing and movement-accommodation functions.
- B. Provide THERMAFLEX TCR as manufactured by EMSEAL JOINT SYSTEMS LTD and as indicated on drawings for horizontal expansion joint locations.
- C. Expansion joint system shall be comprised of: 1.) a heat-weldable, santoprene, thermoplastic-rubber, double-celled or multi-celled, extrusion with perforated flanges and, 2.) manufacturer’s cold applied elastomeric nosing.
- D. Elastomeric nosing shall be a two-part polyurethane material (epoxies not permitted) mixed with aggregate with sand particles not to exceed 30-mesh. Nosing material shall be pourable grade material capable of encapsulating the perforated flanges in a single pour without the laying of a setting-bed or tack coat. The material shall flow so as to fill voids or irregularities in concrete blockouts and beneath the perforated flanges of the gland. Material shall cure to flexible (non-rigid) state. So as to ensure proper mixing, flow ability, and consolidation, mixed nosing material shall have an aggregate loading ratio by weight of liquid resin to aggregate not exceed 1:2.
- E. System to be installed into blockouts on each side of the joint-gap prepared to the dimensions of ¾” deep x 3” wide (20mm deep x 75 mm wide) for TM and ¾” deep x 3 1/2” wide (20mm deep x 90mm wide) for TCR.
- F. Final selection of the seal size to be coordinated between manufacturer, designer, and contractor(s) in consideration of expected movements as a product of structural design and expected temperature variations, taking into account as-built joint-gap sizes and temperatures at expected installation time. Width of joint-gaps at time of casting or cutting to be adjusted, if necessary, from baseline temperature used and specified by designer in determining system suitability.
- G. Manufacturer’s Checklist must be completed by expansion joint subcontractor and returned to manufacturer at time of ordering material.

2.02 Fabrication

- A. Directional changes and terminations into vertical plane surfaces (walls, parapets, ends of decks, etc) as well as to transition the material through curbs, treads and risers or other in-slab plane changes to be provided by factory-manufactured assemblies that preserve continuity of seal. Transitions between THERMAFLEX and any

other of Manufacturer's joint systems in the vertical plane to be executed according to Manufacturer's details and to be warranted as watertight.

PART 3 – EXECUTION

3.01 Installation

A. Preparation of the Work Area

1. The contractor shall provide properly formed and prepared expansion joint openings constructed to the exact dimensions and elevations shown on manufacturer's standard system drawings or as shown on the contract drawings. Deviations from these dimensions will not be allowed without the written consent of the engineer of record.
2. The contractor shall clean the joint opening of all contaminants immediately prior to installation of expansion joint system. Repair spalled, irregular or unsound joint surfaces using accepted industry practices for repair of the substrates in question. Remove protruding roughness to ensure joint sides are smooth. Refer to Manufacturers Installation Guide for detailed step-by-step instructions.
3. System to be installed by qualified sub-contractors only according to detailed published installation procedures and/or in accordance with job-specific installation instructions of manufacturer's field technician. Bids must include for presence of paid-for manufacturer's field technician to be present during initial preparation, inspection, and material installation.

3.02 Clean and Protect

- ##### A.
- Protect the system and its components during construction. Subsequent damage to the expansion joint system will be repaired at the general contractor's expense. After work is complete, clean exposed surfaces with a suitable cleaner that will not harm or attack the finish.

END OF SECTION

The Honorable
Andrew M. Cuomo
Governor, State of New York

The Honorable
Bill de Blasio
Mayor, City of New York

The Honorable
Gale Brewer
President, Borough of Manhattan

Diana L. Taylor
Chair, Hudson River Park Trust

Alicia Glen
Vice Chair, Hudson River Park Trust

Madelyn Wils
President, Hudson River Park Trust

Rose H. Harvey
Commissioner, New York State Office of Parks, Recreation and Historic Preservation

Mitchell J. Silver
Commissioner, City of New York Parks & Recreation

Basil Seppos
Commissioner, New York State Department of Environmental Conservation

HUDSON RIVER PARK

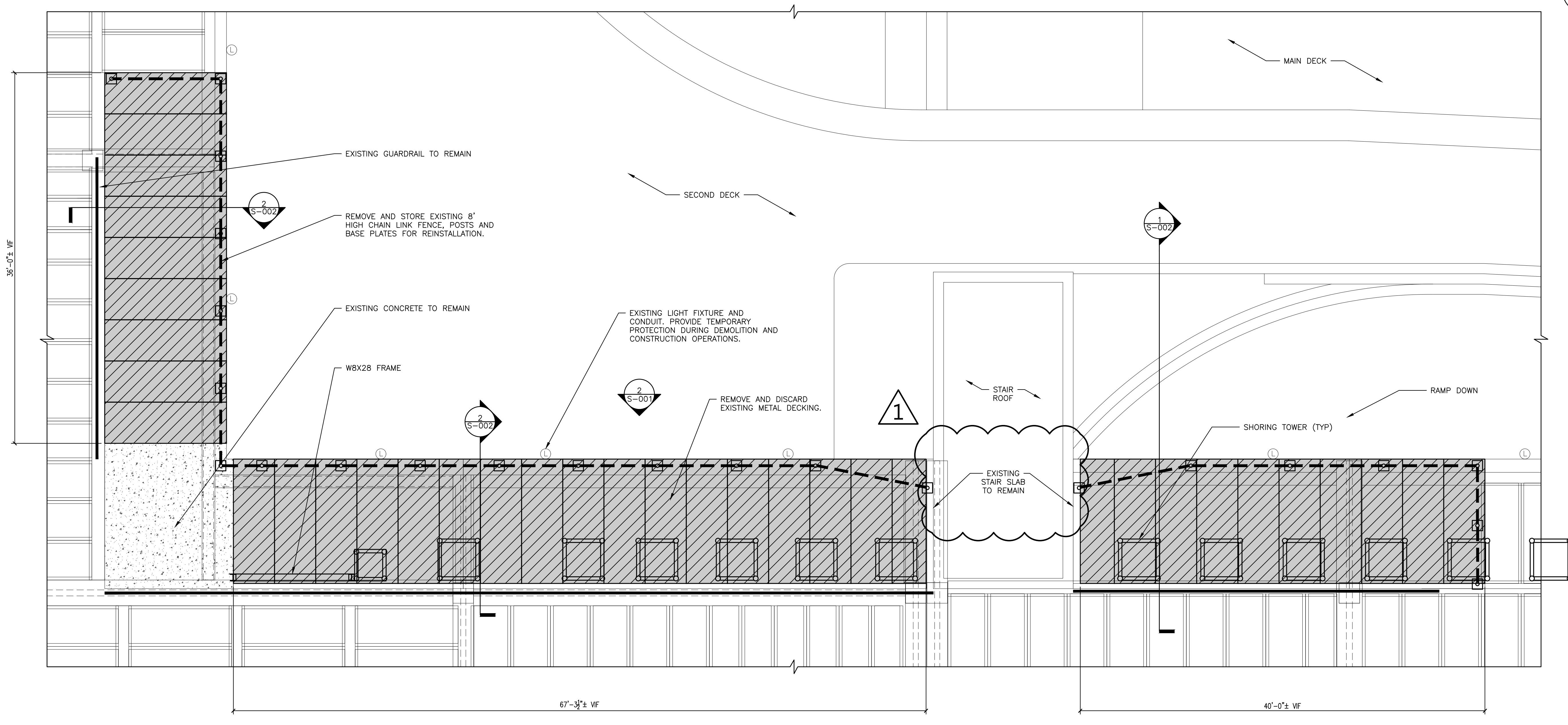
PIER 40
Walkway Replacement

Architect / Structural Engineers:



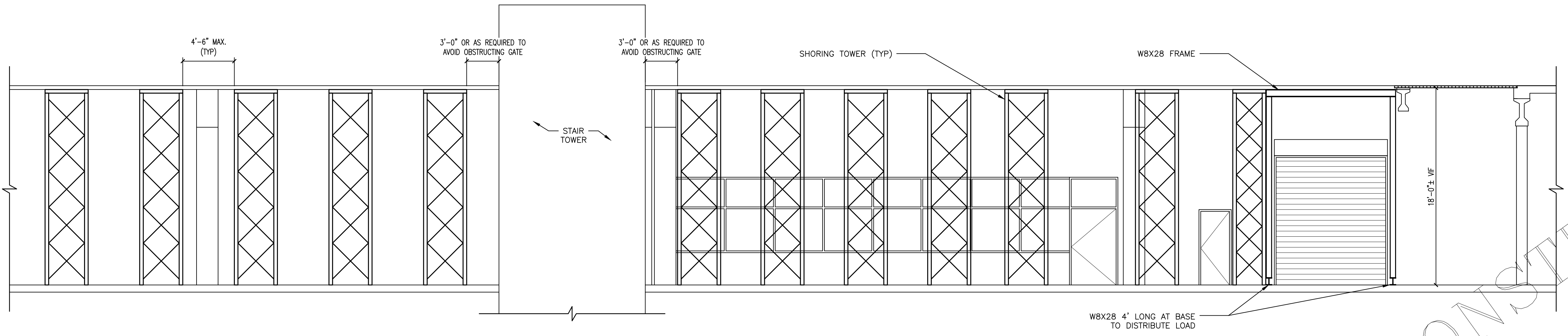
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1 DEMOLITION AND TEMPORARY SHORING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
- CONSTRUCTION LOADS SHALL NOT EXCEED THE SAFE WEIGHT CARRYING CAPACITY OF THE STRUCTURE.
 - CONTRACTOR TO COORDINATE STORAGE OF MATERIALS AND COMPONENTS TO BE REMOVED AND REINSTALLED WITH OWNER.
 - ALL DOORS AND VEHICLE RAMP ARE TO REMAIN UNOBSTRUCTED AND OPERATIONAL AT ALL TIMES THROUGHOUT THE COURSE OF THE WORK, UNLESS OTHERWISE PERMITTED BY THE OWNER.
 - ALL DEMOLITION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PREMISES UNLESS OTHERWISE PERMITTED BY THE OWNER. DEMOLITION DEBRIS SHALL NOT BE STOCKPILED OR ALLOWED TO EXCEED THE SAFE WEIGHT CARRYING CAPACITY OF THE STRUCTURE.

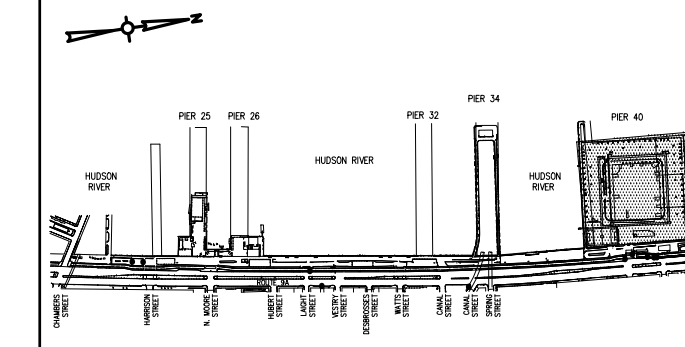


2 TEMPORARY SHORING ELEVATION
SCALE: 3/16" = 1'-0"

- NOTES:**
- DO NOT BLOCK EXISTING DOORS
 - CONTRACTOR TO SUBMIT SHORING DRAWINGS TO ENGINEER FOR REVIEW

DRAFT NOT FOR CONSTRUCTION

No.	Date	Revision
REV 1	10/2/18	ISSUED FOR BID
REV 0	8/24/18	OWNER REVIEW



DEMOLITION PLAN AND TEMPORARY SHORING

Contract No.
Drawn by: BB
Approved by: AS
Scale: As Noted
Date: 08/24/18

Sheet No. 4 of 7
S-1.1



Hudson River Park Trust

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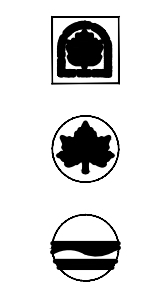
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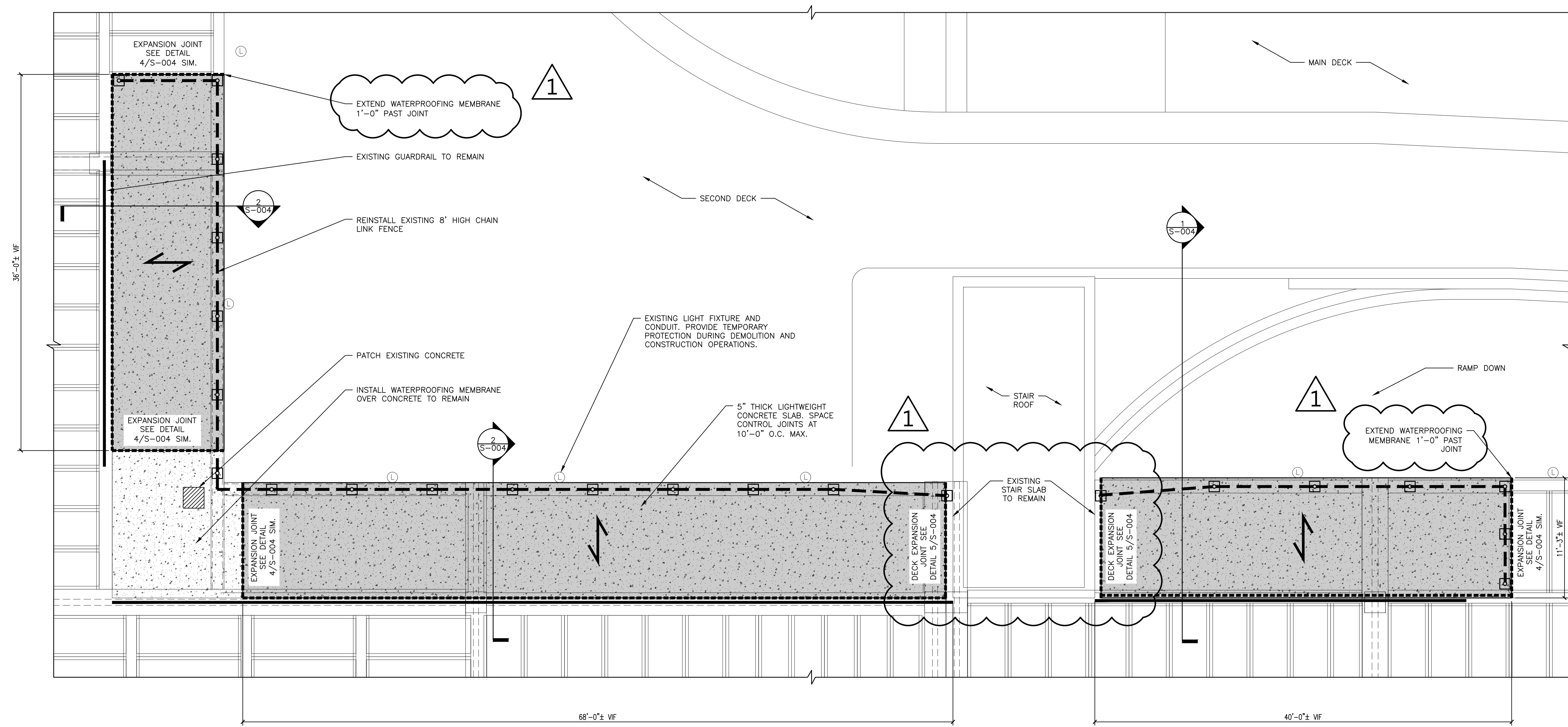
HUDSON RIVER PARK

PIER 40
Walkway
Replacement

Architect / Structural Engineers:



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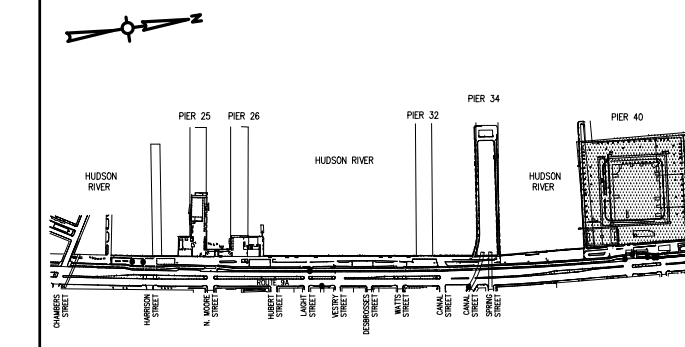


- NOTES:
1. CONSTRUCTION LOADS SHALL NOT EXCEED THE SAFE WEIGHT CARRYING CAPACITY OF THE STRUCTURE.
 2. CONTRACTOR TO COORDINATE STORAGE OF MATERIALS AND COMPONENTS TO BE REMOVED AND REINSTALLED WITH OWNER.
 3. ALL DOORS AND VEHICLE RAMPS ARE TO REMAIN UNOBSTRUCTED AND OPERATIONAL AT ALL TIMES THROUGHOUT THE COURSE OF THE WORK, UNLESS OTHERWISE PERMITTED BY THE OWNER.
 4. LIGHTWEIGHT STRUCTURAL CONCRETE SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 60 DAYS PRIOR TO APPLICATION OF THE WATERPROOFING MEMBRANE, UNLESS OTHERWISE NOTED IN WRITING BY THE MANUFACTURER.

1 CONSTRUCTION PLAN
SCALE: 3/16" = 1'-0"

DRAFT NOT FOR CONSTRUCTION

Seal		
REV 1	10/2/18	ISSUED FOR BID
REV 0	8/24/18	OWNER REVIEW
No.	Date	Revision



Key Plan
Drawing Title:
CONSTRUCTION PLAN

Contract No.	
Drawn by: BB	Sheet No. 6 of 7
Approved by: AS	
Scale: As Noted	S-1.3
Date: 08/24/18	



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HUDSON RIVER PARK

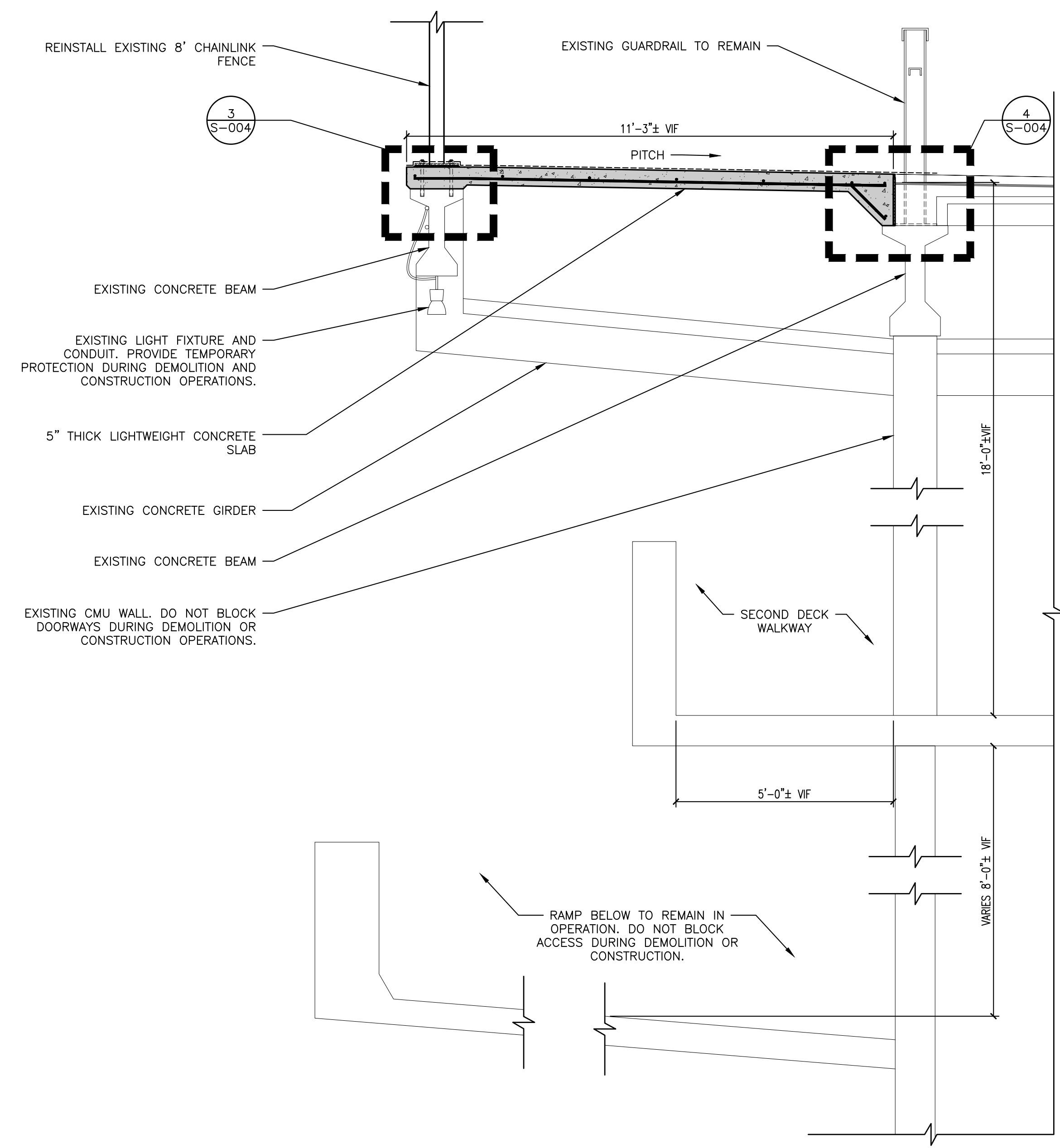
PIER 40

Walkway Replacement

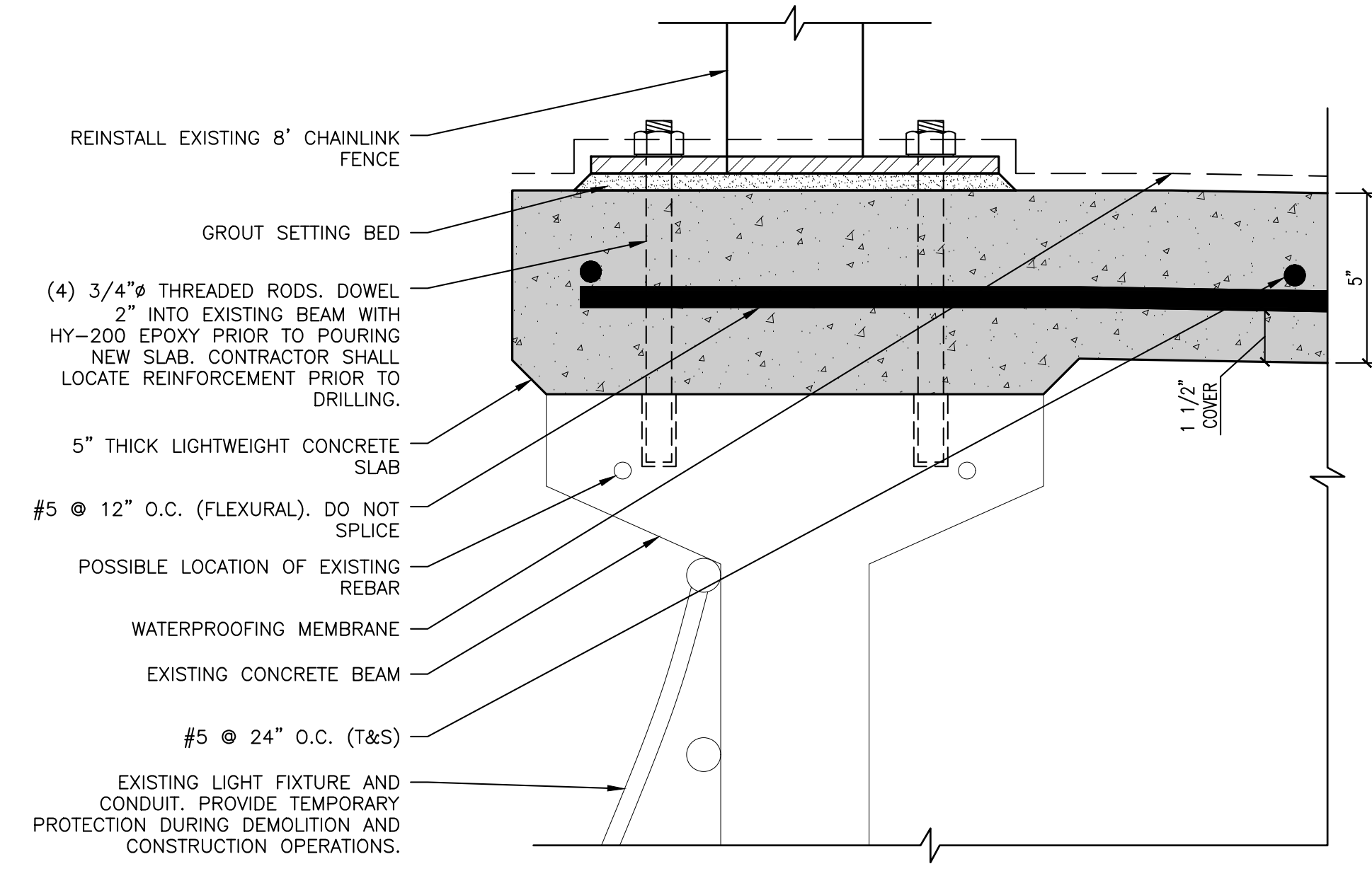
Architect / Structural Engineers:



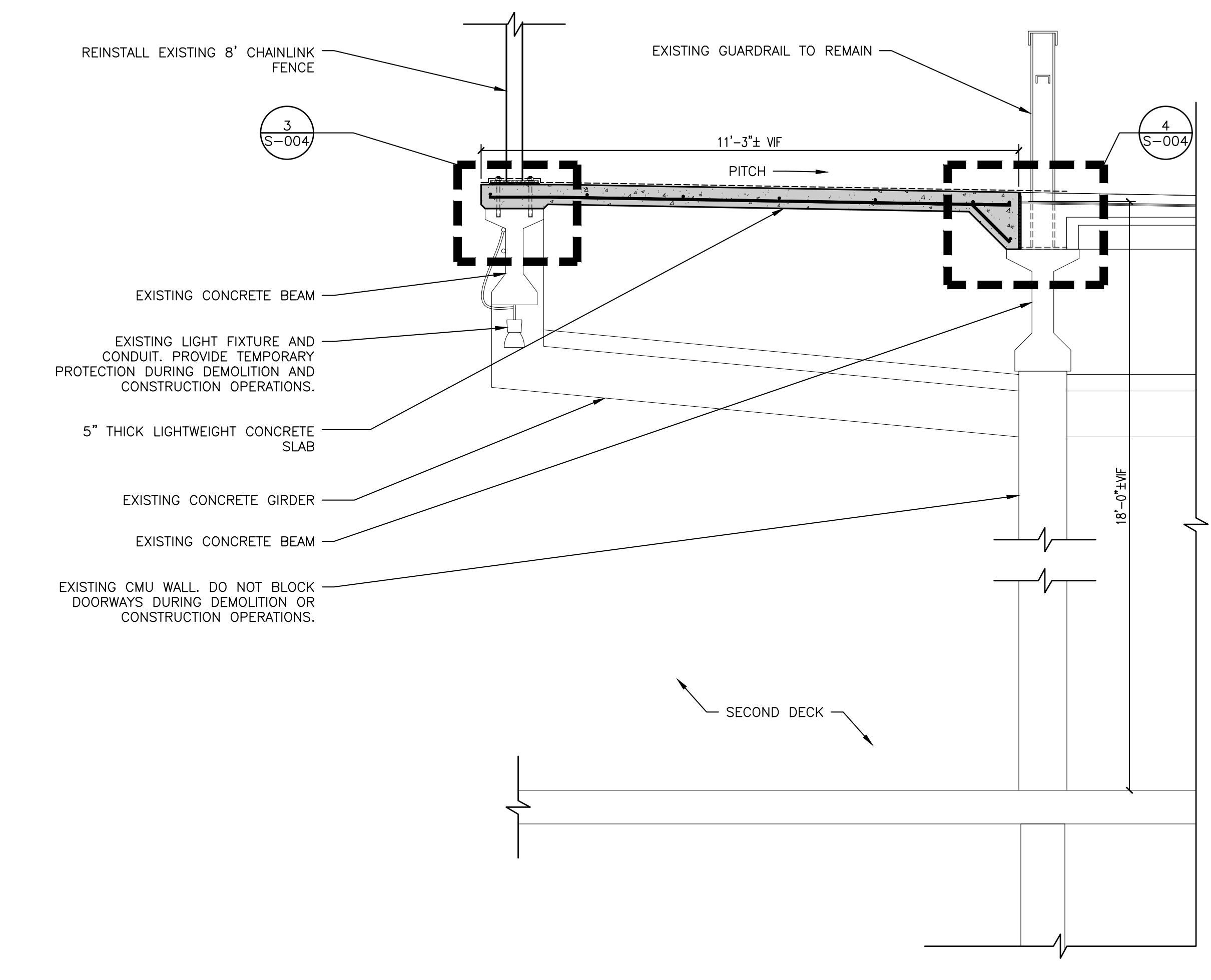
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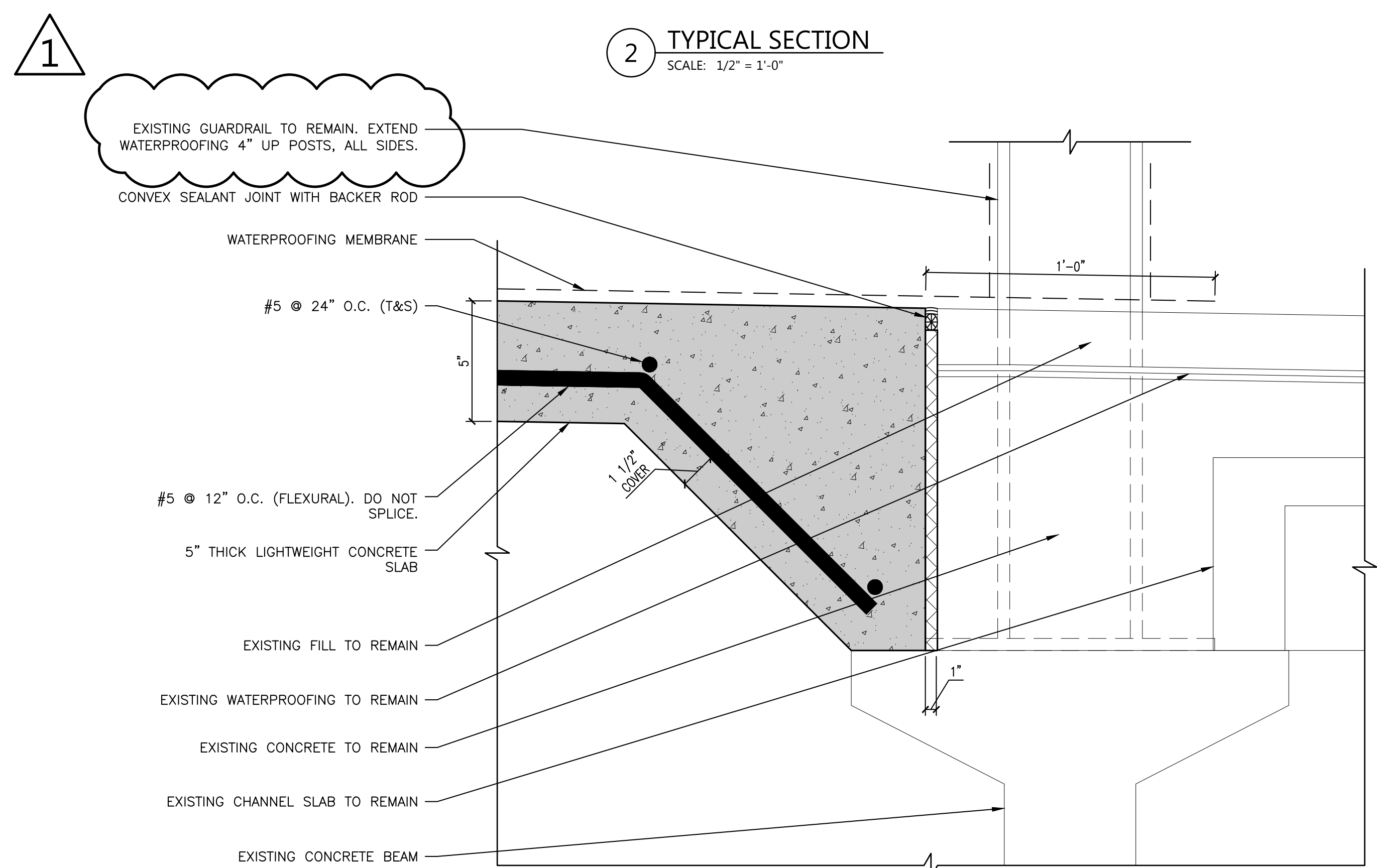
1 SECTION AT RAMP
SCALE: 1/2" = 1'-0"



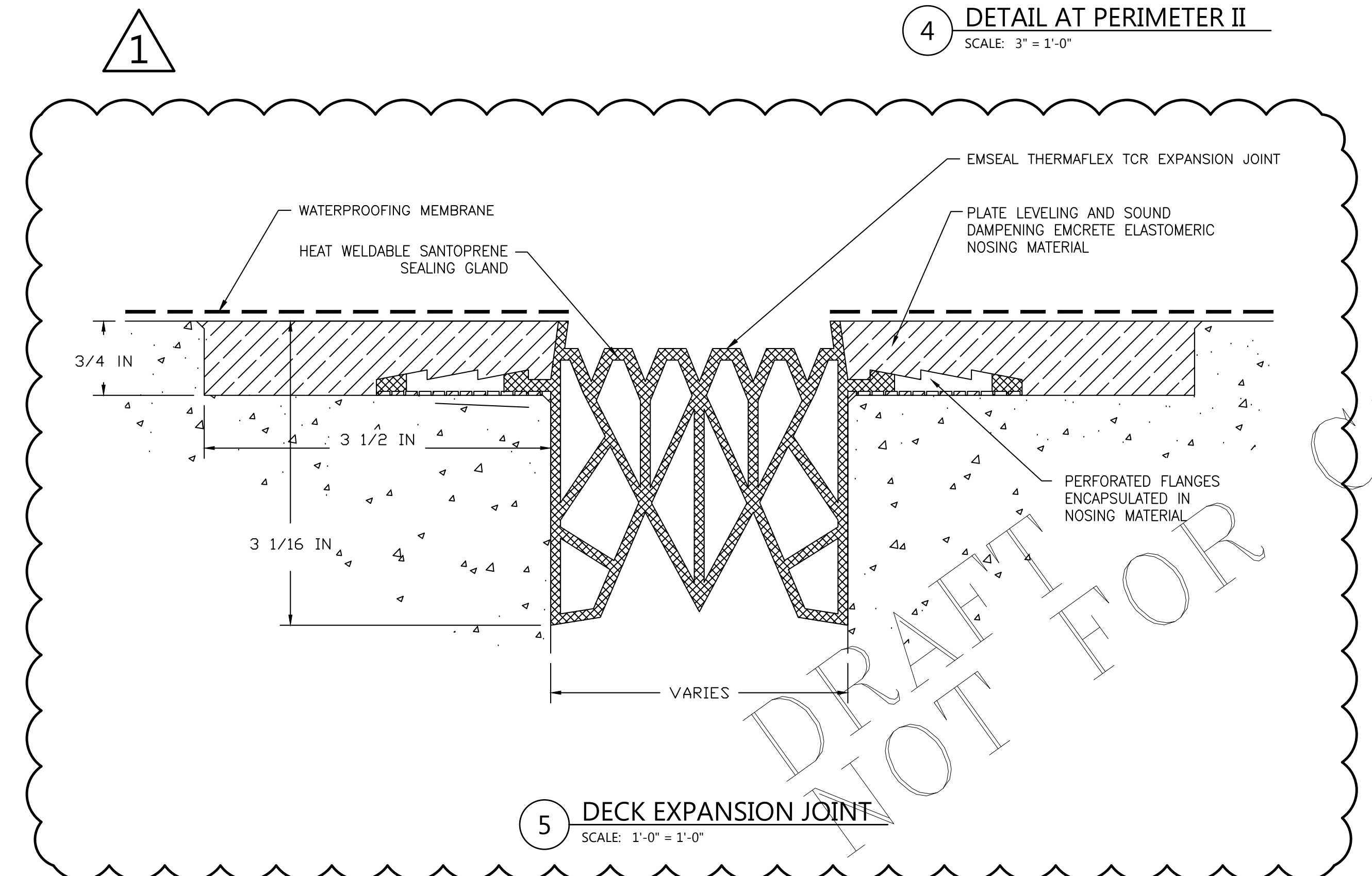
3 DETAIL AT PERIMETER I
SCALE: 3" = 1'-0"



2 TYPICAL SECTION
SCALE: 1/2" = 1'-0"

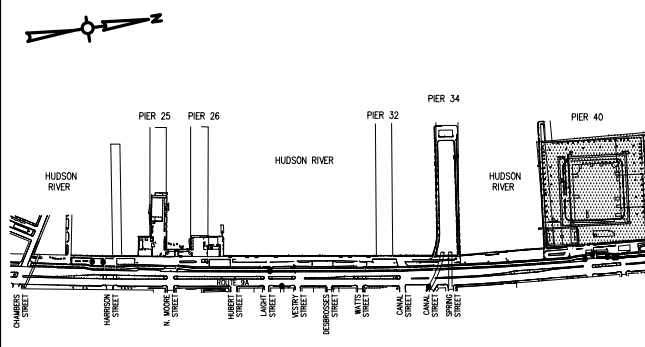


4 DETAIL AT PERIMETER II
SCALE: 3" = 1'-0"



5 DECK EXPANSION JOINT
SCALE: 1'-0" = 1'-0"

Seal		
REV 1	10/2/18	ISSUED FOR BID
REV 0	8/24/18	OWNER REVIEW
No.	Date	Revision



Key Plan
Drawing Title:
CONSTRUCTION SECTIONS AND DETAILS

Contract No.
Drawn by: BB
Approved by: AS
Scale: As Noted
Date: 08/24/18
Sheet No. 7 of 7
S-1.4

DRAFT FOR CONSTRUCTION

