UNION STATION TRANSPORTATION CENTER ROOFING REPLACEMENT - ROOF UNDER TRACKS

1 UNION PLACE HARTFORD, CT

GHTD PROJECT NO. 03-021 SGH PROJECT NO. 191971.00

BID SET - NOT FOR CONSTRUCTION 03 AUGUST 2020

OWNER:

Greater Hartford Transit District

1 Union Place Hartford, CT 06103

Contact: Ms. LaShaunda Drake E-mail: LDrake@GHTD.org

ENGINEER, DESIGNER OF RECORD:

Simpson Gumpertz & Heger, Inc.

480 Totten Pond Dr. Waltham, MA 02451

Contact:

Ms. Katherine Wissink, P.E. (Project Manager)

Tel. No.: 781-907-9329 Cell No.: 781-424-3919 E-mail: KSWissink@sgh.com

Mr. Matthew Bronski, P.E. (Principal)

Tel. No.: 781-907-9264 Cell No.: 781-424-3946 E-mail: MBBronski@sgh.com

DRAWING CONTENTS:

R-0.0 COVER SHEET R-0.1 SITE PLAN

R-1.0 OVERALL ROOF PLAN

R-1.1 FLUID-APPLIED WATERPROOFING:

ROOF PLAN

R-2.0 FLUID APPLIED WATERPROOFING:

DETAILS

LEGEND:

- (E) = EXISING (ITEMS NOT SPECIFICALLY DESIGNATED AS EXISTING ARE PROPOSED)
- GHTD = GREATER HARTFORD TRANSIT DISTRICT
- S.S. = STAINLESS STEEL
- NTS = NOT TO SCALE
- TYP. = TYPICAL
- SIM. = SIMILAR
- O.C. = ON CENTER

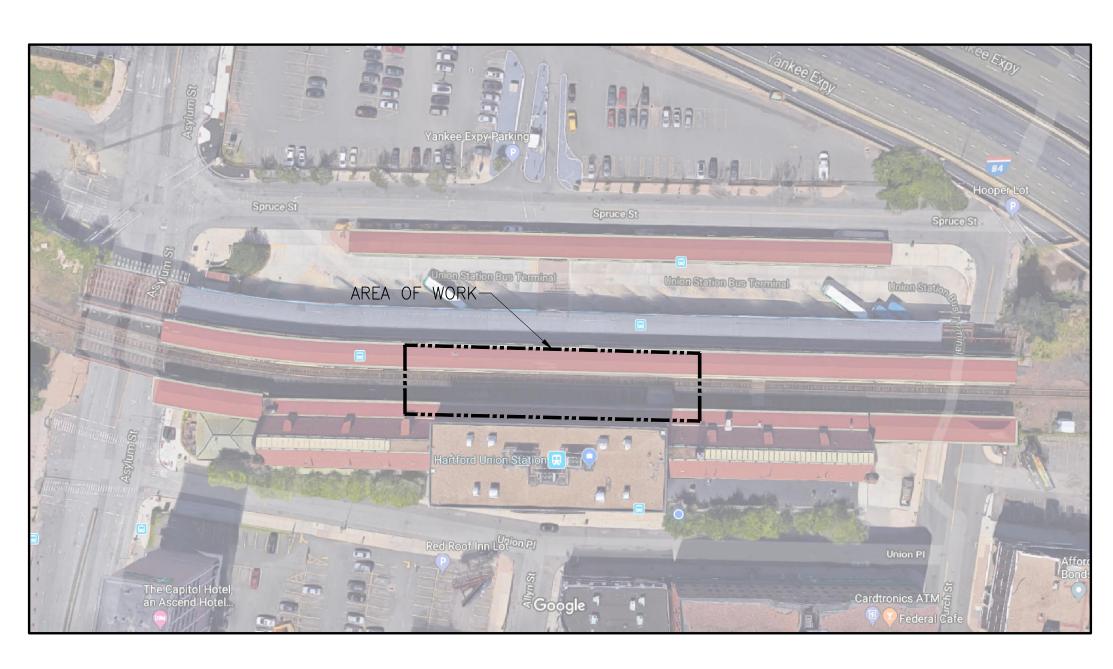


PHOTO - AERIAL VIEW



LOCUS PLAN





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Date	Description	Ву
	Date	Date Description

UNION STATION
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1 UNION PLACE, HARTFORD,CT

COVER SHEET

Drawing Ti

191971.00	JCD/KSW		08/03/2020
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R-0.0

SITE USAGE AND LOGISTICS

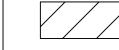
- 1. Provide construction fence as shown and as additionally required to fully cordon off areas when work is occurring. Maintain minimum 4' width of
- 2. Coordinate lay down areas and location of site fencing with GHTD prior to start of construction.
- 3. Protect all existing landscaping from damage. Provide protection around all trees.
- 4. Maintain access/egress from all building entrances at all times throughout the project. Provide overhead protection when work is occurring above.
- 5. Sidewalk to remain open to pedestrians throughout construction.
 6. Maintain vehicular drive lanes and parking spaces throughout construction.
- Coordinate any temporary closures with GHTD.
 7. Limited Contractor laydown areas available. Possible Contractor laydown
- /. Limited Contractor laydown areas available. Possible Contractor laydo sites as noted on the site plan below.
- 8. Assume no contractor parking provided by owner.
- 9. Businesses within the building will remain open throughout construction. Access to and from the building must be unobstructed at all times.
- 10. Proposed contractor laydown area, contractor storage trailer, and contractor dumpster areas all beneath platform.

<u>LEGEND</u>

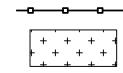
(E) BUILDING ROOF OVERHANG, CANOPY OUTLINE, OR OTHER AREA OUT OF SCOPE



(E) BUILDING ENTRANCE OR EMERGENCY EGRESS TO REMAIN OPEN AND UNOBSTRUCTED — PROVIDE OVERHEAD PROTECTION WHEN WORK IS OCCURRING ABOVE

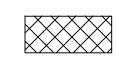


PROPOSED CONTRACTOR LAYDOWN AREA

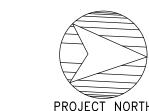


PROPOSED CONTRACTOR STORAGE TRAILER

PROPOSED CONTRACTOR CONSTRUCTION FENCING



PROPOSED CONTRACTOR DUMPSTER







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SITE PLAN

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R-0.1

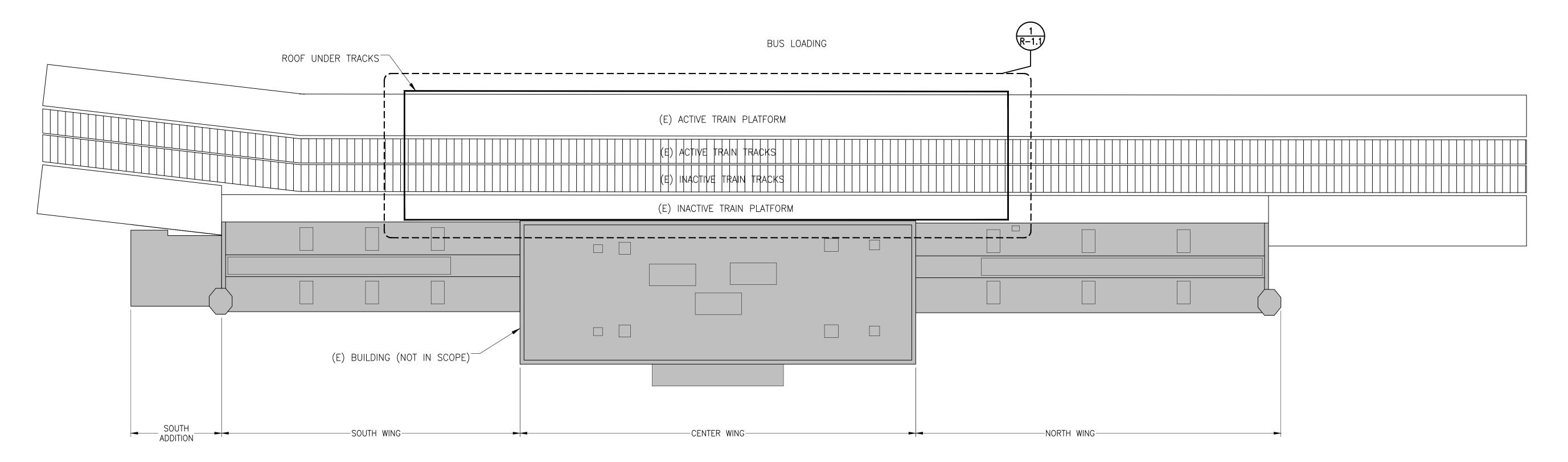
of the first of the state of the LD SEP (CI) (11) SPRUCE STREET 11.00 (130) BUS CANOPY ROOF (NIC) ALTERNATE DUMPSTER BUS TERMINAL LOCATION CKS) BUS LOADING ROOF (NIC) ACTIVE PLATFORM CANOPY ROOF (NIC) ROOF UNDER TRACKS RAILROAD TRACKS INACTIVE PLATFORM CANOPY ROOF (NIC) TRAIN STATION (NOT IN CONTRACT) (CON PUBLIC SIDEWALK CHURCH UNION PLACE MAIN ENTRANCE

SITE PLAN

SCALE: NTS

TAXI STAND

BUS CANOPY (NOT IN SCOPE)



1

PLAN: OVERVIEW OF ALL ROOFS

GENERAL NOTES

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT SERVICES, AND ACCESSORIES NECESSARY TO FURNISH AND INSTALL WORK ON THIS SECTION, COMPLETE AND FUNCTIONAL AS INDICATED IN THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN.

- 1. WORK WILL BE PERFORMED AT UNION STATION, ONE UNION PLACE, HARTFORD, CONNECTICUT.

 2. THE BUILDING WILL REMAIN OCCUPIED AT ALL TIMES. COORDINATE WITH THE GREATER HARTFORD TRANSIT DISTRICT (GHTD) TO MAINTAIN OCCUPANT ACCESS TO THE BUILDING AT ALL TIMES, INCLUDING HANDICAPPED ACCESS. MAINTAIN ENTRANCE THROUGH THE MAIN ENTRANCES AT ALL TIMES BY PERMANENT OR SUFFICIENT TEMPORARY MEANS.
- 3. PROVIDE THE ENGINEER WITH ASSISTANCE AND ACCESS TO ALL AREAS OF THE BUILDING WHERE THE WORK WILL BE PERFORMED, INCLUDING INCIDENTAL LABOR AND FACILITIES.
- 4. ALL WORK IS TO BE DONE IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS.

 5. FIELD VERIFICATION OF EXISTING CONDITIONS: VERIFY ALL SITE CONDITIONS AND DIMENSIONS BY FIELD MEASUREMENT IN CONSIDERATION OF THE SPECIAL CONDITIONS ASSOCIATED WITH ALTERATIONS OF AN EXISTING AND OPERATING BUILDING.

OVERVIEW SUMMARY SCOPE OF WORK

NOTE: THIS OVERVIEW SUMMARY SCOPE OF WORK IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR, AS AN OVERVIEW INTRODUCTION TO THE SCOPE OF WORK INCLUDED IN THE DRAWINGS AND SPECIFICATIONS, WHICH SUPERSEDE THIS OVERVIEW SUMMARY. REVIEW THE DRAWINGS AND SPECIFICATIONS THOROUGHLY FOR THE FULL SCOPE OF WORK.

ROOF UNDER TRACKS

A. REMOVE THE EXISTING ROOFING SYSTEM (INCLUDING METAL FLASHINGS AND ALL RELATED COMPONENTS) AT THE ROOF BELOW THE TRAIN TRACKS. THE ROOFING SYSTEM GENERALLY CONSISTING OF (FROM TOP TO BOTTOM): PRECAST CONCRETE PAVERS, DRAINAGE MAT, 3-PLY BUILT-UP ROOFING (ASPHALTIC), ½ IN. COVER BOARD, AND INSULATION DOWN TO THE EXISTING CONCRETE ROOF DECK (TO REMAIN), SEE 2/R-1.1.

B. PROVIDE NEW PLAZA WATERPROOFING AND PAVING SYSTEM AT THE ROOF BELOW THE TRAIN TRACKS CONSISTING OF (FROM BOTTOM TO TOP): EXISTING CONCRETE ROOF DECK, REINFORCED FLUID—APPLIED POLYURETHANE WATERPROOFING MEMBRANE, DRAINAGE MAT, INSULATION, AND PRECAST CONCRETE PAVERS.

C. PROVIDE ALL MATERIALS, TRANSITIONS, AND TERMINATIONS FOR A COMPLETE, RELIABLE, FULLY WATERTIGHT SYSTEM AND INSTALLATION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1. PROVIDE LIQUID-FLASHING AT ROOF PENETRATIONS.
- 2. PROVIDE STAINLESS STEEL FLASHING AT ROOF CURBS, EDGE FLASHING, AND AT LOCATIONS AS INDICATED ON THE DRAWINGS.
- 3. PROVIDE NEW CLAMPING RINGS AND STRAINERS AT THE EXISTING DRAIN LOCATIONS.
- 4. PROVIDE NEW GALVANIZED STEEL ANGLE EDGE RESTRAINTS AT THE FREE EDGES OF THE ROOF.

SIMPSON GUMPERTZ & HEGER

Engineering of Structures and Building Enclosures

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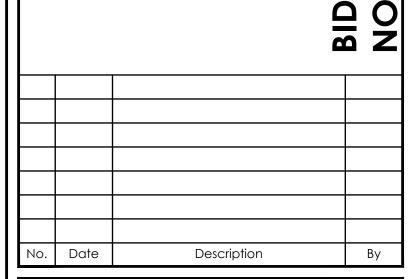
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-R CONSTRUCTION



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OVERALL ROOF PLAN

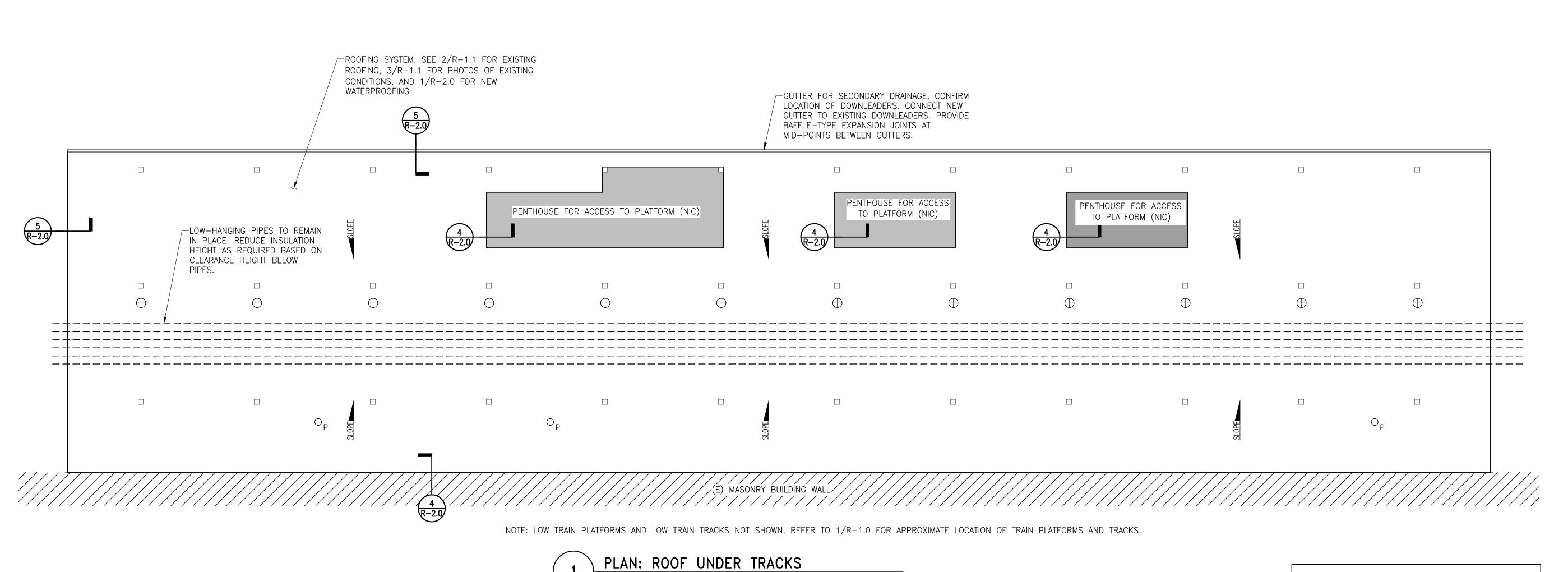
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LEGEND

ROOF NOT IN SCOPE

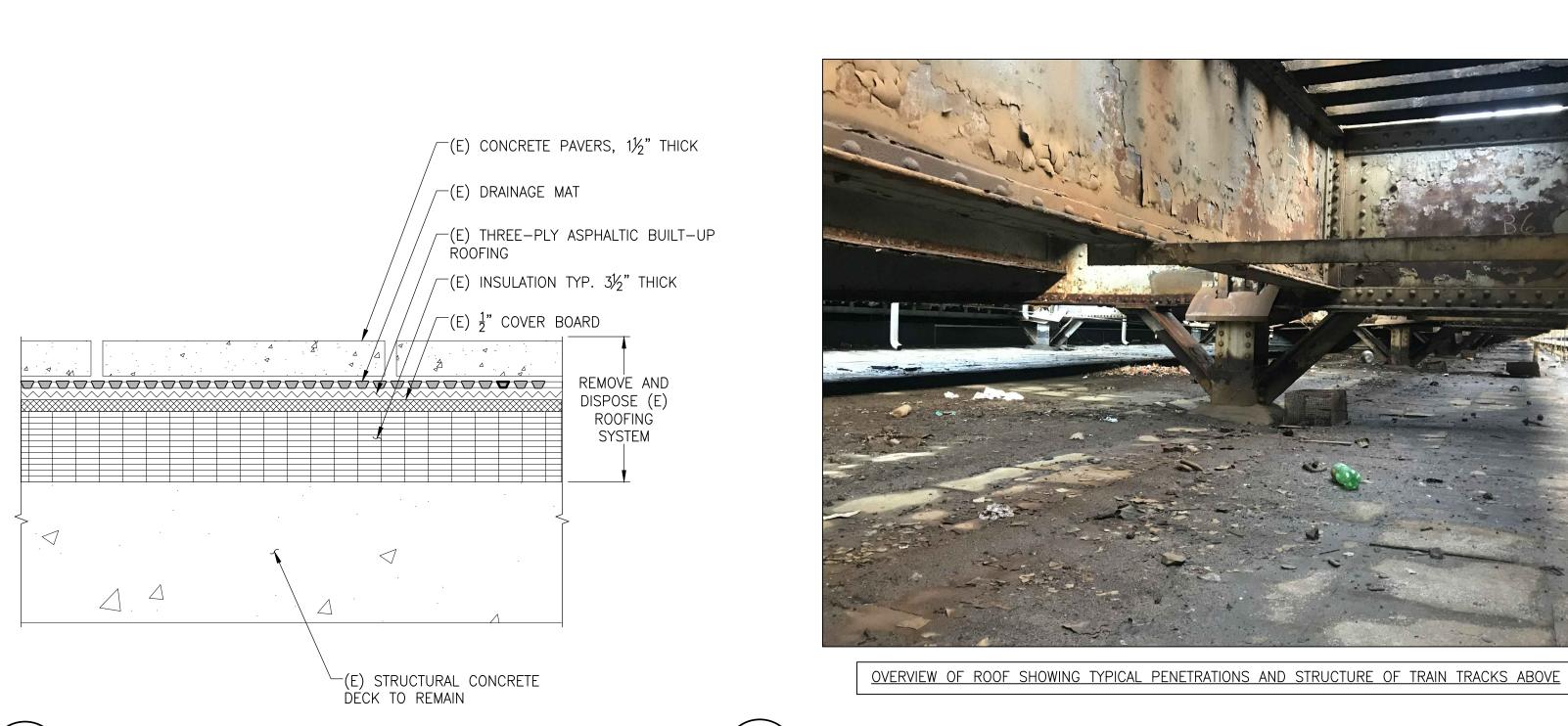
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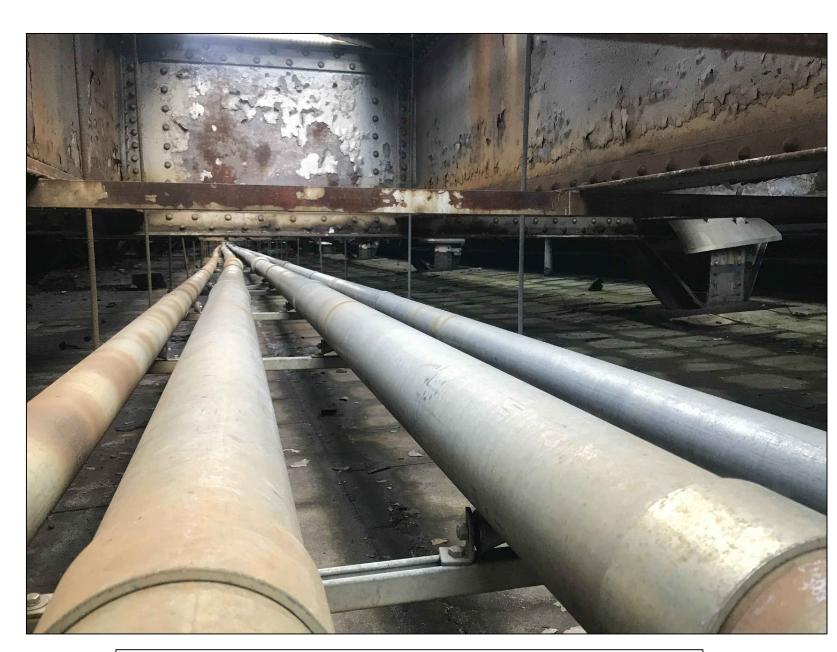
R-1.0



3/32" = 1'-0"

STRUCTURAL SUPPORT, SEE DETAIL 2/R-2.0 (E) PIPE PENETRATION, SEE DETAIL 6/R-2.0DRAIN, SEE DETAIL 3/R-2.0 SLOPE DIRECTION OF SLOPE





OVERVIEW OF ROOF SHOWING LOW-HANGING PIPES BENEATH TRAIN TRACKS

PHOTOS OF EXISTING CONDITIONS

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CONSTRUCTION

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	No.	Date	Description	Ву
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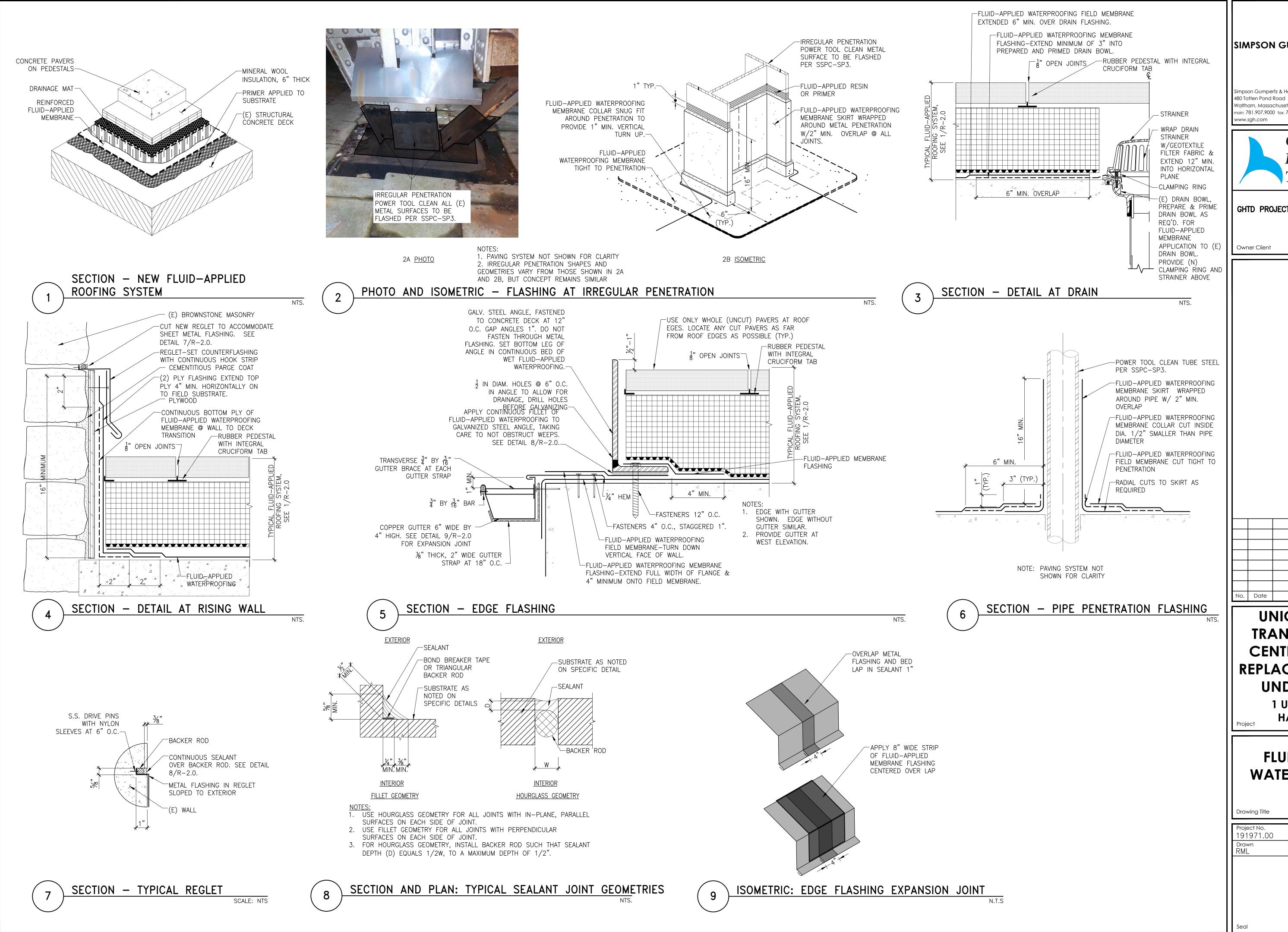
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1 UNION PLACE, HARTFORD,CT

FLUID-APPLIED WATERPROOFING: **ROOF PLAN**

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R-1.1



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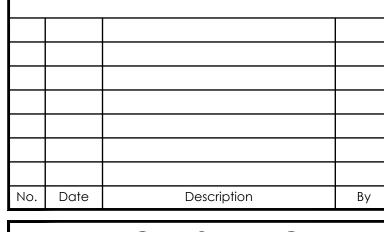
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FLUID-APPLIED WATERPROOFING: **DETAILS**

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R-2.0