Addendum No. 1 to IFB #26-10

CITY OF SOMERVILLE, MASSACHUSETTS
Department of Procurement and Contracting Services
KATJANA BALLANTYNE
MAYOR

To: All Parties on Record with the City of Somerville as Holding IFB #26-10 165 Broadway Slab Remediation

From: Felisa Gárate, Procurement Analyst

Date: 9/5/2025

Re: Questions and Answers from Pre-Bid
Updated Drawings (S001, S100, S200, and S400)
Updated Exhibit A – Itemized Base Bid List (Unit Price Form)

Addendum No. 1 to IFB #26-10

Please acknowledge receipt of this Addendum by signing below and including this form in your proposal package. Failure to do so may subject the proposer to disqualification.

NAME OF COMPANY / INDIVIDUAL: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE/FAX/EMAIL: _____

SIGNATURE OF AUTHORIZED INDIVIDUAL: _____

ACKNOWLEDGEMENT OF ADDENDA:

Addendum #1 _____ **#2** _____ **#3** _____ **#4** _____

Addendum No. 1 to IFB #26-10

Updated Exhibit A – Unit Price Form

- The unit price form has been updated in response to question #13 below, and is attached to this addendum. All General Bids **must** include the updated Exhibit A – Itemized Base Bid List (Unit Price Form) with their sealed bid package.

Updated/Revised Drawings

- Per this addendum, the drawings have been revised and are attached below. The updated drawings are also uploaded on OneDrive which can be accessed via the link in the bid package (page 4). Updates/revisions have been made to the following sheets:
    - S001
    - S100
    - S200
    - S400

#	**Question**	**Answer**
1.	Is the paint for the fire escape temperature sensitive? What happens if weather prevents painting?	The coating system is temperature sensitive. Temperature must be 45° F and rising during application and the temperature must remain above 45° F for 16 hours after the application is complete. The intent is to complete the painting application as one of the first items of work. If temperatures prevent application, then the work will be deferred to the Spring of 2026 at no additional cost to the City.
2.	What is the extent of the masonry work at the fire escape?	There is 5 sq ft unit quantity for removal and replacement of brick masonry at the exterior wall.
3.	Is permanent lighting required in the basement? Are outlets available?	The intent is for the contractor to provide construction lighting to remain after the project completion. Power is available, with some modifications. There are currently no outlets. The contractor shall be responsible for making any necessary modifications.
4.	Regarding shoring, is there cribbing? Does the wood need to be pressure-treated or fire-treated?	Yes, refer to S200 for cribbing requirements. The wood cribbing shall be pressure-treated. The wood is not required to be fire-treated, as this is a temporary condition.

5.	When infilling the slab depression, is the intent to fill flush to the existing floor level? What is the fill material under the concrete?	The intent is for the finished surface to be flush with the existing floor level. The specified fill material is insulation, but compacted gravel is also acceptable.
6.	Is noise an issue?	The contractor must abide by the City's standard noise ordinances.
7.	Is the basement considered a confined space?	The basement is not a permit-required confined space.
8.	Can the smoke detectors be turned off/bagged?	The contractor is responsible for requesting a smoke detector system disconnect, bagging smoke detectors, and protecting the smoke detector system from dust and debris. The detectors can be taken offline temporarily during periods of construction. The detectors must be put back online at the end of each workday. The contractor must provide a licensed electrician or fire alarm technician and a minimum of four battery-powered smoke detectors while the system is offline.
9.	How will the boiler be protected? Will the contractor own protection?	The contractor shall temporarily enclose the boiler with fire-retardant sheeting during demolition activities and protect it from dust and debris. The sheeting shall be 5 ft minimum from the boiler intake and exhaust. The contractor shall provide adequate ventilation and a filter for boiler operations. The contractor shall submit means of protection to the Engineer for approval.
10.	Where do the new pre-fabricated metal stairs land?	The pre-fabricated metal stairs are to connect the street level to the basement level. The stairs will land at the existing basement floor level.
11.	Who identifies the "as identified" abandoned conduit and piping?	The City or the Engineer will identify conduit and piping for removal. Unit prices have been included for this work.

12.	What is the fire suppression piping removal scope? Are there sprinklers?	There is no fire suppression piping. This scope is removed via this addendum.
13.	What piping requires insulation?	The City or the Engineer will identify piping that requires insulation. This addendum updates the Exhibit A – Itemized Base Bid List (Unit Price Form) to include separate line items for insulation for piping with diameters of 2", 4", and 6". Insulation thickness to be the minimum pipe insulation thickness per 2021 IECC, Table C403.12.3.
14.	Is the existing cleanout active? Does the cleanout need to be raised/repaired/removed before the slab-on-grade repairs?	Piping repairs are not currently within the scope of this project. The contractor shall provide a boxout above the utility with a checkered plate cover for future cleanout access.
15.	Who identifies the repointing scope?	The Engineer will identify the repointing scope at the stone foundation walls on the brick masonry columns. Unit prices have been included for this work.
16.	Should a guardrail/handrail be added to the existing southwest stair?	No, a guardrail/handrail is not within the project scope.
17.	Is the existing sump operable? Does it need to be replaced? Does an additional sump need to be added?	The existing sump is operable and does not require replacement. An additional sump is not required.
18.	Will the project include scope to the perimeter seepage?	No, this project will not address perimeter seepage.
19.	Does the pre-fabricated metal stair need to be complete before basement repairs start?	The project phasing is means and methods. The contractor is allowed to use the southwest stair at the contractor's own risk to access the basement.
20.	Is power and/or water provided?	Water and power are available, with some modifications. The contractor shall be responsible for making any necessary modifications.

Exhibit A
Updated 9.5.25 via ADDENDUM 1

CITY OF SOMERVILLE, MA
Level 1 and Fire Escape Repairs and Maintenance
ITEMIZED BASE BID LIST

Description	Specification or Drawing	Quantity	Unit Price	Bid Price
Division 1				
1. Project Mobilization	Divisions 0 and 1	1 ls	–	$
2. Project General Requirements and All Work Indicated on the Contract Drawings and Specifications with the Exception of the Unit Price Items Listed Below	Divisions 0 and 1	1 ls	–	$
3. Fire Watch (2 days)	–	1 ls	–	$
4. Temporary Lighting (to Remain After Project Completion)	–	1 ls	–	$
Division 2				
5. Shoring – Level 1 Concrete Slab	021000 Sheet S200	50 ea	$	$
Division 3				
6. Cast-in-Place Concrete – Remove and Replace Slab-on-Grade	037320 Details 2-4/S400	300 sq ft	$	$
7. Concrete Repair – Remove Loose Concrete at Level 1 Slab Underside	037320 Sheet S100	300 sq ft	$	$
8. Concrete Repair – Stair Tread	037320 Detail 1/S400	10 sq ft	$	$

Division 4 (see Filed Sub-Bid)				
Division 5 (see Filed Sub-Bid)				
Division 22				
9. Plumbing – Remove Existing Abandoned Plumbing Piping (including Domestic Water, Hot Water, and Gas)	–	200 lf	$	$
10. Plumbing – Furnish and Install Piping Insulation for 2”⌀ Pipe	–	100 lf	$	$
11. Plumbing – Furnish and Install Piping Insulation for 4”⌀ Pipe	–	100 lf	$	$
12. Plumbing – Furnish and Install Piping Insulation for 6”⌀ Pipe	–	100 lf	$	$
Division 26				
13. Electrical – Remove Existing Abandoned Electrical Conduit	–	200 lf	$	$
14. Electrical – Remove and Replace Electrical Conduit	–	200 lf	$	$

Total Amount of Base Bid (Items 1 through 14) inclusive:

$

(Amount in figures)

(Amount in words)

LEVEL 1 AND FIRE ESCAPE REPAIRS AND MAINTENANCE

165 Broadway, Somerville, MA 02145

LOCATION MAP

LAYDOWN AREA

DRAWING LIST

Sheet Number	Sheet Name
C000	COVER SHEET
S001	GENERAL NOTES
S100	LEVEL 1 REPAIR PLAN
S200	LEVEL 1 SHORING PLAN
S300	FIRE ESCAPE REPAIR DETAILS
S400	REPAIR DETAILS

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ADDENDUM 1

No.	Date	Description	By

Level 1 and Fire Escape Repairs and Maintenance

165 Broadway
Somerville, MA 02145

Project

COVER SHEET

Drawing Title

Project No.	Checked	Date
241254.02	GT	07/31/25
Drawn	Approved	Scale
GRZ	SAC	As indicated

Drawing No.

C000

Seal

9/5/2025 10:47:36 AM
C:\Users\grstovall\Documents\241254.02_R24_165 Broadway_CENTRAL_grzarada.rvt

GENERAL NOTES:

PART 1 - GENERAL REQUIREMENTS AND DESIGN CRITERIA

1.1 SCOPE OF WORK

A. THE WORK CONTEMPLATED BY THE CONTRACT DOCUMENTS INCLUDES THE WORK OF ALL TRADES REQUIRED AND ALL LABOR, EQUIPMENT, MATERIALS, ACCESS, AND SUPERVISION NECESSARY AND INCIDENTAL TO THE WORK INDICATED. THE FOLLOWING DESCRIPTIONS OF THE WORK REPRESENT A BRIEF SUMMARY OF THE PROJECT. FOR ADDITIONAL AND MORE COMPLETE INFORMATION, REFER TO THE DRAWINGS AND SPECIFICATIONS.
   1. PROJECT MOBILIZATION
      a. THIS WORK SHALL INCLUDE GENERAL CONTRACTOR AND SUBCONTRACTOR MOBILIZATION COSTS. INCLUDE PERMITS, TEMPORARY FACILITIES, BONDING COSTS, ETC.
   2. PROJECT GENERAL REQUIREMENTS
      a. THIS WORK SHALL INCLUDE ALL MISCELLANEOUS WORK ASSOCIATED WITH THE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PROTECTION OF WORKS, BARRICADES, CONSTRUCTION FENCING, TREE PROTECTION, CLEANUP, DUST AND FUME CONTROL, LAYOUT, EQUIPMENT, WASTE DISPOSAL, DOCUMENTATION, AND OBSTRUCTION REMOVAL AND REPLACEMENT.
      b. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION PHASING WITH THE OWNER.
      c. ALL TEMPERATURE-DEPENDENT WORK SHALL BE PERFORMED PRIOR TO COLD WEATHER. NO WINTER CONDITIONS ARE INCLUDED.
      d. THE CONTRACTOR SHALL REMOVE DEBRIS DAILY FROM THE SITE. NO DUMPSTER WILL BE ALLOWED ON THE PREMISES.
      e. THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING TO REMAIN IN PLACE AFTER PROJECT COMPLETION.
      f. THE MASSACHUSETTS PREVAILING LABOR WAGE RATES, AS INCLUDED IN THE CONTRACT DOCUMENTS, WILL BE USED IN THE CONSTRUCTION OF THIS PROJECT.
      g. ATTEND WEEKLY SITE MEETINGS TO REVIEW PROGRESS OF THE WORK WITH THE OWNER AND ENGINEER. DEVELOP WEEKLY MEETING MINUTES FOR DISTRIBUTION TO THE PROJECT TEAM.
      h. ALL WORK SHALL BE COMPLETED DURING NORMAL WORKING HOURS UNLESS OTHERWISE APPROVED BY THE CITY.

1.2 GENERAL

A. PRIOR TO BIDDING, ALL BIDDERS MUST VIEW THE PREMISES AND NOTE CONDITIONS AT AND AROUND WHERE WORK IS TO BE PERFORMED. BIDDERS SHALL FULLY INFORM THEMSELVES OF ALL CONDITIONS AFFECTING THE WORK OF THIS PROJECT.
B. REFER TO THE PROJECT SPECIFICATIONS FOR THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, FOR THE GENERAL REQUIREMENTS, AND FOR THE DETAILED REQUIREMENTS FOR MATERIALS AND WORKMANSHIP.
C. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS REQUIRED FOR CONSTRUCTION.
D. DEFICIENT WORK AND/OR WORK NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL COMPENSATE THE CLIENT FOR SERVICES ARISING FROM DEFICIENT WORK, REVIEW OF MODIFICATIONS/CONTRACTOR SUBSTITUTION, OR EXPEDITING OF SUBMITTALS.
E. COST OF INVESTIGATION AND/OR REDESIGN INCURRED BY THE ENGINEER OF RECORD DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.
F. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE CODES AND LOCAL REQUIREMENTS. CONTRACTOR MUST COMPLY WITH CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES AND ALL WORKER SAFETY STANDARDS. WORK SHALL NOT COMMENCE UNTIL ALL PERMITS REQUIRED FOR THE SUBJECT PORTION OF THE WORK ARE OBTAINED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL REQUIRED PERMITS AND/OR EVIDENCE OF COMPLIANCE WITH APPLICABLE REGULATIONS ON SITE AT ALL TIMES DURING THE EXECUTION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL CONSTRUCTION PERMITS NOT FURNISHED BY THE CITY, PRIOR TO THE START OF ANY CONSTRUCTION. ALL FEES AND PERMITS SHALL BE PAID FOR BY THE CONTRACTOR.
G. APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF PLANS ON THE PREMISES IN GOOD CONDITION AT ALL TIMES. THIS SHALL INCLUDE ALL ADDENDA AND CHANGE ORDERS.
H. CONTRACTOR IS TO PROTECT ALL SITE FEATURES INDICATED TO REMAIN. CONTRACTOR IS TO RESTORE ANY FEATURES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR'S OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER.
I. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL WHILE WORKING IN PUBLIC AND PRIVATE ROW OR ADJOINING PROPERTIES. ALL SIGNAGE AND TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION'S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, ANY APPLICABLE MASSDOT TRAFFIC CONTROL DESIGN CRITERIA, OR REQUIREMENTS OF THE CITY OF SOMERVILLE. CONTRACTOR TO OBTAIN POLICE DETAILS AS NEEDED AND AT ITS OWN EXPENSE.
J. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY. FUTURE PERIMETER OF WORK EXTENTS SHALL BE TEMPORARILY FENCED. SPECIAL PRECAUTIONS MAY BE REQUIRED IN THE VICINITY OF POWER LINES AND OTHER UTILITIES.
K. THE CONTRACTOR SHALL NOT UNREASONABLY ENCUMBER THE PREMISES WITH EQUIPMENT AND MATERIALS. THE STORAGE AND EQUIPMENT PARKING SHALL BE CONFINED TO SUCH LIMITS AS MAY BE JOINTLY AGREED UPON BY THE CITY AND CONTRACTOR.
L. FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND LOCAL REGULATIONS.

1.3 EXISTING CONDITIONS, SURVEY, ELEVATIONS, & DIMENSIONS

A. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR, AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR CLARIFICATION BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. DIMENSIONS AND ELEVATIONS NOTED IN THE CONTRACT DOCUMENTS AS (+/-) AND ALL FIELD CONDITIONS SHALL BE VERIFIED IN THE FIELD (VIF) BY THE CONTRACTORS PRIOR TO COMMENCING ANY WORK.
B. ALL EXISTING CONDITIONS AND TYPICAL SECTIONS ARE APPROXIMATE AND BASED ON RECORD DRAWINGS AND FIELD MEASUREMENTS PERFORMED BY SGH. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXISTING CONDITIONS, INCLUDING THE CONFIGURATION OF ALL STRUCTURAL, ARCHITECTURAL, AND PUBLIC UTILITY ELEMENTS AFFECTING THE WORK PRIOR TO CONSTRUCTION AND NOTIFYING CITY AND EOR OF ANY DISCREPANCIES FOUND.
C. THE DRAWINGS SHOW THE APPROXIMATE LOCATION OF CONCRETE DETERIORATION. THE CONTRACTOR IS RESPONSIBLE FOR VISUALLY INSPECTING AND SOUNDING ALL ACCESSIBLE CONCRETE SURFACES AS REQUIRED TO DISCOVER ALL CONCRETE DETERIORATION IN ACCORDANCE WITH THE DRAWINGS AND PROJECT SPECIFICATIONS.
D. ALL ELEMENTS SHOWN ON THE DRAWINGS ARE ASSUMED TO BE NEW AND WILL BE PROVIDED BY THE CONTRACTOR UNLESS INDICATED AS EXISTING.

1.4 BUILDING CODES AND REFERENCED STANDARDS

A. MASSACHUSETTS STATE BUILDING CODE, 9TH EDITION, WHICH ADOPTS AND AMENDS THE 2015 INTERNATIONAL BUILDING CODE AND THE 2015 INTERNATIONAL EXISTING BUILDING CODE.

1.5 QUALITY ASSURANCE

A. THE CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL APPLICABLE LAWS, AND REGULATIONS OF THE CITY OF SOMERVILLE, AND WITH ALL OTHER AUTHORITIES HAVING JURISDICTION. ALL SUCH REQUIREMENTS SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS OF THE SPECIFICATIONS EXCEPT IN CASES WHERE THE REQUIREMENTS OF THE SPECIFICATIONS ARE MORE EXACTING OR STRINGENT.
B. TESTING OF MATERIALS AND INSPECTIONS OF INSTALLED WORK SHALL BE COMPLETED THROUGHOUT THE DURATION OF THE PROJECT, AS REQUIRED BY THE SPECIFICATIONS OR DIRECTED BY THE EOR AND/OR CITY. THE CITY RESERVES THE RIGHT TO PERFORM INSPECTIONS AND TESTING AT ANY TIME DURING THE EXECUTION OF WORK. CONTRACTOR SHALL PROVIDE FREE AND SAFE ACCESS TO ALL RECORDS, MATERIAL STOCKPILES, AND FACILITIES FOR THE CIVIL EOR AND/OR CITY INSPECTORS.

PART 2 - SHORING

2.1 SCOPE OF WORK

A. INSTALL SHORING AT THE UNDERSIDE OF THE LEVEL 1 SLAB.

2.2 REQUIREMENTS

A. REFER TO SECTION 021000 - SHORING FOR DETAILED SUBMITTAL, MATERIALS, AND EXECUTION REQUIREMENTS.

PART 3 - CAST-IN-PLACE CONCRETE WORK

3.1 SCOPE OF WORK

A. INSTALL CONCRETE FOUNDATIONS AT THE NEW EXTERIOR FIRE ESCAPE MID-LANDING POSTS.
B. REMOVE AND REPLACE THE CONCRETE PAD AT THE FIRE ESCAPE LOWER LANDING.
C. REMOVE AND REPLACE THE SLAB-ON-GRADE AT THE NEW INTERIOR BASEMENT STAIR.
D. INFILL THE EXISTING BASEMENT SLAB DEPRESSION.

3.2 REQUIREMENTS

A. REFER TO SECTION 033000 - CAST IN PLACE CONCRETE FOR DETAILED MATERIALS, AND EXECUTION REQUIREMENTS.

PART 4 - CONCRETE REPAIR WORK

4.1 SCOPE OF WORK

A. REMOVE LOOSE CONCRETE AT THE UNDERSIDE OF THE LEVEL 1 SLAB.
B. REPAIR AREAS OF DELAMINATED AND/OR SPALLED CONCRETE AT STAIRS.

4.2 REQUIREMENTS

A. REFER TO SECTION 037320 - CONCRETE REPAIR FOR DETAILED MATERIALS, AND EXECUTION REQUIREMENTS.

PART 5 - MASONRY WORK

5.1 SCOPE OF WORK

A. REPOINT FAILED MORTAR JOINTS AT THE STONE FOUNDATION WALLS AND BRICK MASONRY COLUMNS AS DIRECTED BY THE ENGINEER.
B. REPLACE MISSING BRICK MASONRY AT INTERIOR COLUMN.
C. REMOVE AND REPLACE DAMAGED BRICK MASONRY AT EXTERIOR WALL.

5.2 REQUIREMENTS

A. REFER TO SECTION 042100 - MASONRY REPAIR FOR DETAILED MATERIALS, AND EXECUTION REQUIREMENTS.

PART 6 - MISCELLANEOUS METALS WORK

6.1 SCOPE OF WORK

A. INSTALL PRE-MANUFACTURED METAL STAIRS AND RAILINGS FROM STREET LEVEL TO BASEMENT LEVEL AT EXISTING BULKHEAD.
B. REMOVE AND REPLACE EXISTING STEEL LINTELS SUPPORTING MASONRY AT BULKHEAD.
C. INSTALL VERTICAL AND LATERAL SUPPORTS AT EXTERIOR FIRE ESCAPE MID-LANDING.
D. INSTALL GATE AND SIGNAGE AT EXTERIOR FIRE ESCAPE MID-LANDING.
E. INSTALL PIPE GUARD AT EXTERIOR GUTTER AT WEST ELEVATION.

6.2 REQUIREMENTS

A. REFER TO SECTION 055000 - METAL FABRICATIONS FOR DETAILED MATERIALS, AND EXECUTION REQUIREMENTS.

PART 7 - STEEL PAINTING WORK

7.1 SCOPE OF WORK

A. CLEAN AND PAINT ALL NEW AND EXISTING STAIR STEEL, INCLUDING STRINGERS, POSTS, RAILING, GRATINGS, AND CONNECTIONS.
B. SHOP PRIME ALL NEW STEEL ELEMENTS TO RECEIVE FINAL PAINT COATING IN FIELD.

7.2 REQUIREMENTS

A. REFER TO SECTION 097000 - STEEL PAINTING FOR DETAILED MATERIALS, AND EXECUTION REQUIREMENTS.

PART 8 - FIRE PROTECTION WORK

8.1 SCOPE OF WORK

A. NOT USED. 1

PART 9 - PLUMBING WORK

9.1 SCOPE OF WORK

A. REMOVE EXISTING ABANDONED PLUMBING FIXTURES AND DRAINAGE LINES AS IDENTIFIED BY THE ENGINEER. CAP ANY REMAINING OPEN LINES.
B. INSTALL PIPING INSULATION AT EXISTING DRAINAGE LINES AS IDENTIFIED BY THE ENGINEER. INSULATION THICKNESS TO BE THE MINIMUM PIPE INSULATION THICKNESS PER 2021 IECC, TABLE C403.12.3. 1

PART 10 - HVAC WORK

10.1 SCOPE OF WORK

A. INSTALL TWO NEW WISEAIRE 100 DEHUMIDIFICATION AND AIR FILTRATION SYSTEMS BY WISE AIRE. CONNECTION AS REQUIRED TO EXISTING SUMP PIT.

PART 11 - ELECTRICAL WORK

11.1 SCOPE OF WORK

A. REMOVE EXISTING ABANDONED ELECTRICAL FIXTURES AND CONDUIT AS IDENTIFIED BY THE ENGINEER.
B. REMOVE AND REPLACE ELECTRICAL FIXTURES AND CONDUIT AS IDENTIFIED BY THE ENGINEER.

ABBREVIATION	WORD OR PHRASE
&	And
@	At
ADDL	Additional
APPROX	Approximate
ASTM	American Society for Testing and Materials
BIT	Bituminous (Asphalt)
BOT	Bottom
BS	Both Sides/Bottom of Step
CJ	Control Joint
CIP	Cast-in-place
CL	Center Line
CLR	Clear
CONC	Concrete
CONT	Continuous
DIA, Ø	Diameter
DN	Down
DWG(S)	Drawing(s)
(E)	Existing
EA	Each
EF	Each Face
EL	Elevation
EMBED	Embedment
EOR	Engineer of Record
EOS	Edge of Slab
EQ	Equal
ES	Each Side
EW	Each Way
FS	Far Side
FT	Foot, Feet
HORIZ	Horizontal

ABBREVIATION	WORD OR PHRASE
IN.	Inch, Inches
LOW	Limit of Work
MAX	Maximum
MIN	Minimum
(N)	New
NO or #	Number
NS	Near Side
NTS	Not to Scale
OC	On Center
OPP	Opposite
REINF	Reinforcing
SEOR	Structural Engineer of Record
SIM	Similar
SOG	Slab on Grade
STD	Standard
T&B	Top and Bottom
TOC	Top of Concrete
TYP	Typical
UON	Unless Otherwise Noted
VERT	Vertical
VIF ±	Verify in Field
W	Width
W/	With
WWR	Welded Wire Reinforcing

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ADDENDUM 1

No.	Date	Description	By
1	09.05.25	ADDENDUM 1	GRZ

Level 1 and Fire Escape Repairs and Maintenance

165 Broadway
Somerville, MA 02145

Project

GENERAL NOTES

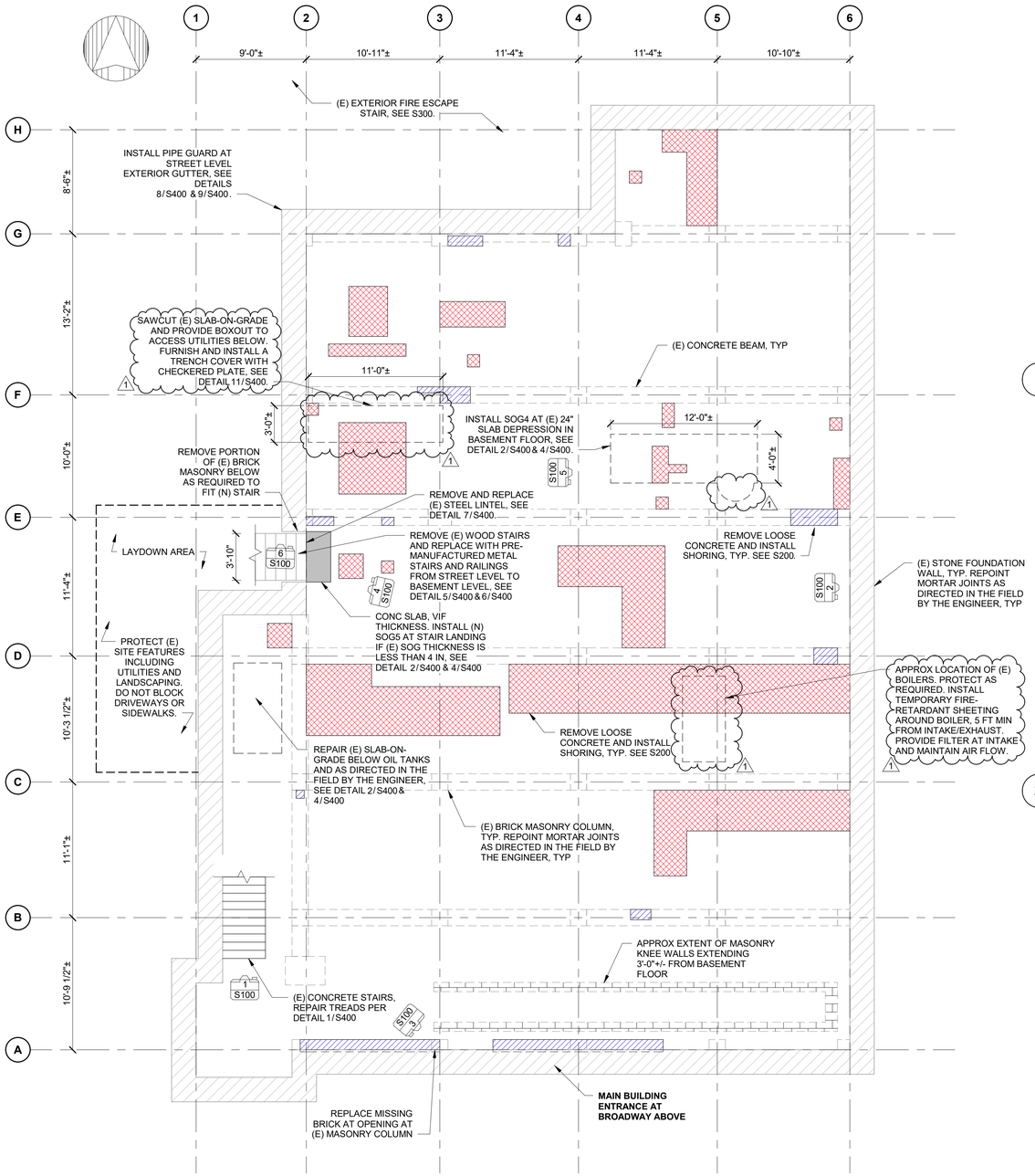
Drawing Title

Project No.	Checked	Date
241254.02	GT	07/31/25
Drawn	Approved	Scale
GRZ	SAC	12" = 1'-0"

Seal

Drawing No.

S001



LEVEL 1 REPAIR PLAN

3/16" = 1'-0"

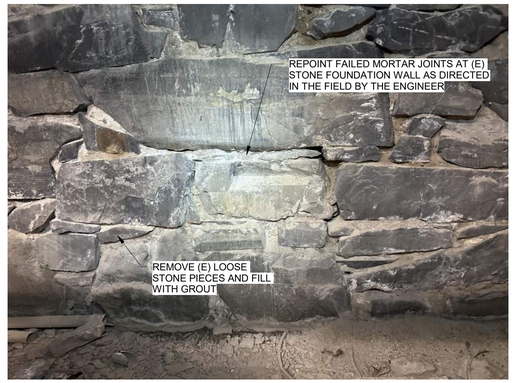
LEGEND

- APPROXIMATE LOCATION AND EXTENT OF SLAB UNDERSIDE DETERIORATION. REMOVE LOOSE CONCRETE.
- APPROXIMATE LOCATION AND EXTENT OF BEAM DETERIORATION. REMOVE LOOSE CONCRETE.

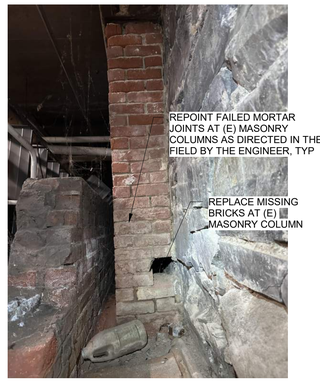
REPAIR PLAN NOTES:

1. THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, INCLUDING ALL ELEVATIONS, DIMENSIONS, AND THE CONFIGURATIONS OF ALL THE STRUCTURAL, ARCHITECTURAL, MEP, AND FIRE PROTECTION ELEMENTS AFFECTING THE WORK.
2. THE PLAN SHOWS THE APPROXIMATE LOCATIONS OF CONCRETE DETERIORATION AT THE UNDERSIDE OF LEVEL 1. THE CONTRACTOR IS RESPONSIBLE FOR VISUALLY INSPECTING ALL CONCRETE SURFACES TO DISCOVER, IDENTIFY, AND RECORD ALL LOOSE CONCRETE. THE CONTRACTOR SHALL MARK ALL LOCATIONS OF LOOSE CONCRETE IN THE FIELD USING PERMANENT PAINT FOR REVIEW BY THE ENGINEER.
3. USE HAMMERS ONLY FOR REMOVAL OF LOOSE CONCRETE. DO NOT USE ELECTRIC OR PNEUMATIC TOOLS. ANY CONCRETE THAT CANNOT BE REMOVED USING HAMMERS SHALL REMAIN UNLESS DIRECTED BY THE ENGINEER.
4. NOTIFY ENGINEER FOR INSPECTION ONCE ALL LOOSE CONCRETE HAS BEEN REMOVED.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND DESIGN OF THE PRE-MANUFACTURED METAL STAIR AND RAILING. SUBMIT SHOP DRAWINGS INCLUDING PLANS, ELEVATIONS, SECTIONS, DETAILS, AND ATTACHMENTS. SUBMIT ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION. REFER TO THE SPECIFICATIONS FOR DETAILED REQUIREMENTS.
6. THE CONTRACTOR SHALL COORDINATE INSTALLATION LOCATION FOR DEHUMIDIFIERS WITH THE CITY. CONNECTION AS REQUIRED TO THE EXISTING SUMP PIT.
7. THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING TO REMAIN IN PLACE AFTER THE PROJECT COMPLETION.

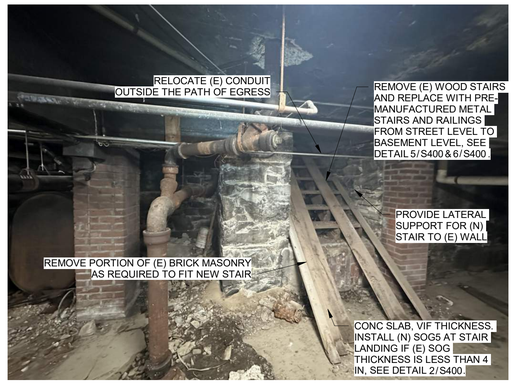
1 STAIR PHOTO
NTS



2 FOUNDATION WALL PHOTO
NTS



3 BRICK MASONRY COLUMN PHOTO
NTS



4 BULKHEAD PHOTO
NTS

5 SLAB DEPRESSION PHOTO
NTS

6 BULKHEAD LINTEL PHOTO
NTS

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ADDENDUM 1

No.	Date	Description	By
1	09.05.25	ADDENDUM 1	GRZ

Level 1 and Fire Escape Repairs and Maintenance

165 Broadway
Somerville, MA 02145

Project

LEVEL 1 REPAIR PLAN

Drawing Title

Project No.	Checked	Date
241254.02	GT	07/31/25
Drawn	Approved	Scale
GRZ	SAC	As indicated

Drawing No.

S100

Seal

9/5/2025 10:47:37 AM
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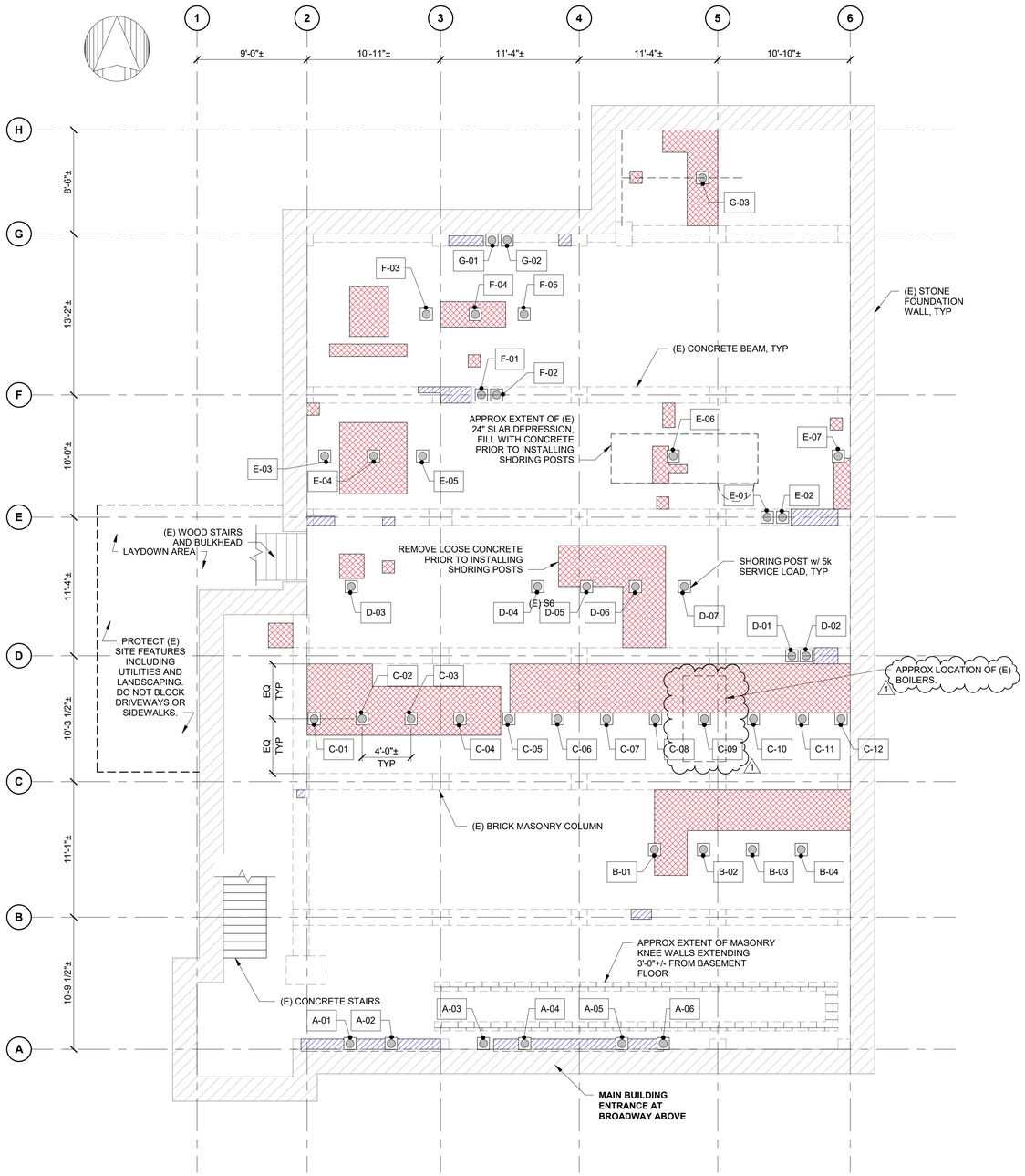
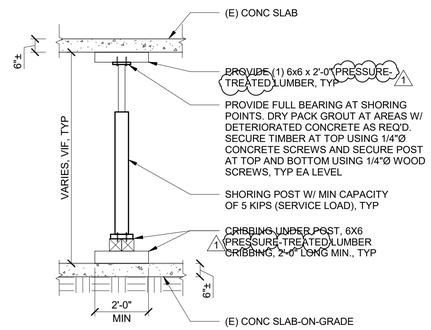


SHORING PLAN

3/16" = 1'-0"

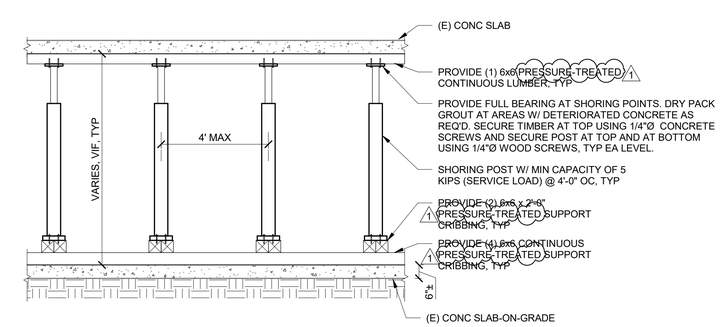
SHORING NOTES:

1. THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, INCLUDING ALL ELEVATIONS, DIMENSIONS, AND THE CONFIGURATIONS OF ALL THE STRUCTURAL, ARCHITECTURAL, MEP, AND FIRE PROTECTION ELEMENTS AFFECTING THE WORK.
2. THE CONTRACTOR SHALL INSTALL A TAG WITH THE SHORING POST IDENTIFICATION NUMBER INDICATED FOR EACH POST.
3. CONTRACTOR SHALL PURCHASE SHORING POSTS FOR THE CITY TO TAKE POSSESSION OF AFTER THE WORK IS COMPLETED.



1 SHORING POST ELEVATION

3/8" = 1'-0"



2 ROW OF SHORING POSTS ELEVATION

3/8" = 1'-0"

LEGEND

- APPROXIMATE LOCATION AND EXTENT OF SLAB UNDERSIDE DETERIORATION
- APPROXIMATE LOCATION AND EXTENT OF BEAM DETERIORATION
- SHORING POST w/ 5k SERVICE LOAD
- A-## SHORING POST IDENTIFICATION NUMBER

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Consultant

ADDENDUM

No.	Date	Description	By
1	09.05.25	ADDENDUM 1	GRZ

Level 1 and Fire Escape Repairs and Maintenance

165 Broadway
Somerville, MA 02145

Project

LEVEL 1 SHORING PLAN

Drawing Title

Project No.	Checked	Date
241254.02	GT	07/31/25
Drawn	Approved	Scale
GRZ	SAC	As indicated

Drawing No.

S200

Seal

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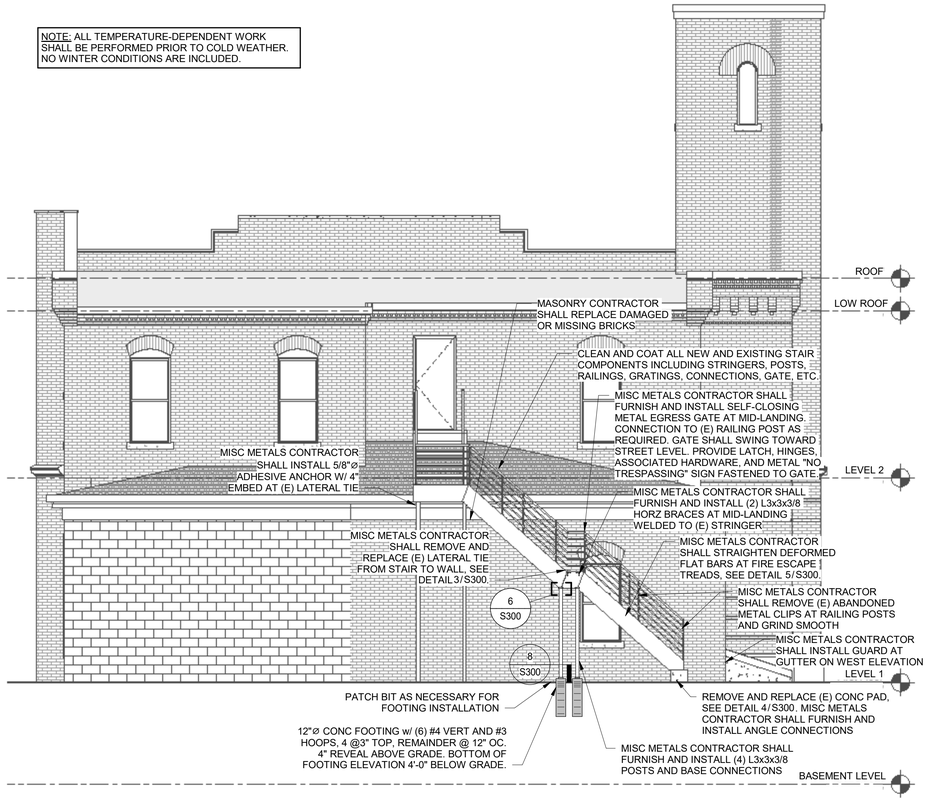


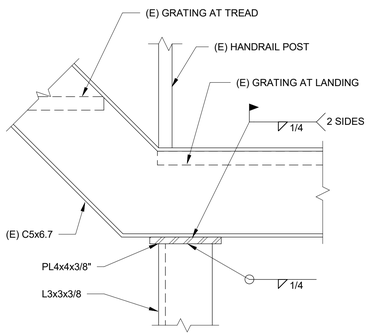
1 FIRE ESCAPE ELEVATION
3/16" = 1'-0"

2 FIRE ESCAPE REFERENCE PHOTO
NTS

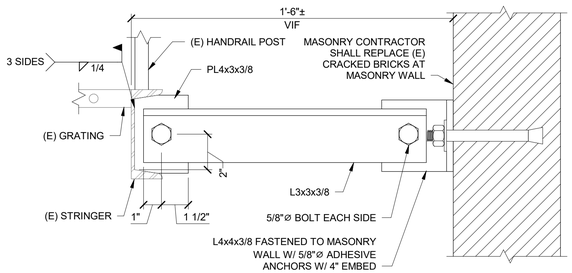
3 FIRE ESCAPE LATERAL TIES PHOTO
NTS

4 FIRE ESCAPE CONCRETE PAD PHOTO
NTS

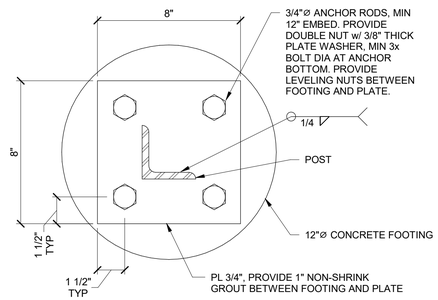
5 FIRE ESCAPE TREAD PHOTO
NTS



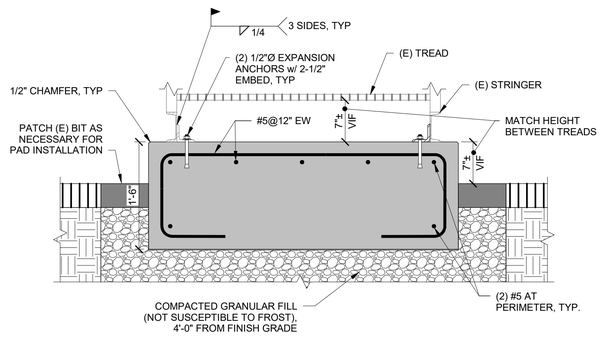
6 POST CONNECTION TO (E) CHANNEL
3" = 1'-0"



7 LATERAL CONNECTION TO (E) CHANNEL
3" = 1'-0"



8 POST TO FOOTING
3" = 1'-0"



9 FIRE ESCAPE CONCRETE PAD REPLACEMENT
1" = 1'-0"

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ADDENDUM 1

No.	Date	Description	By

Level 1 and Fire Escape Repairs and Maintenance

165 Broadway
Somerville, MA 02145

Project

FIRE ESCAPE REPAIR DETAILS

Drawing Title

Project No.	Checked	Date
241254.02	GT	07/31/25
Drawn	Approved	Scale
GRZ	SAC	As indicated

Drawing No.

S300

Seal

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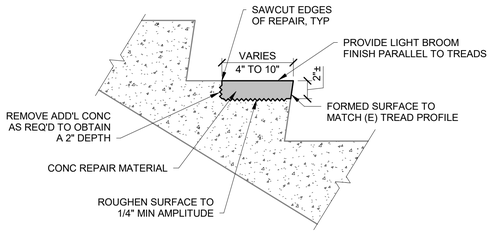
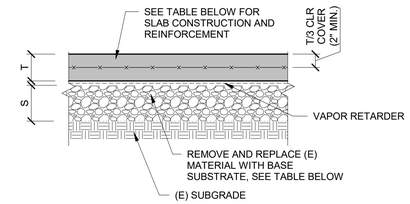


1 STAIR TREAD REPAIR

1 1/2" = 1'-0"

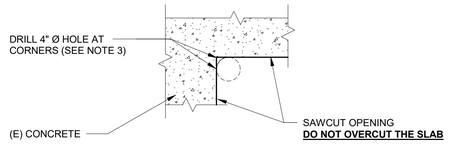


SLAB IDENTIFICATION	T (IN)	S (IN)	BASE SUBSTRATE	REINFORCEMENT
SOG4	4	20	INSULATION	WWR 6x6 - W4.0xW4.0, EPOXY-COATED
SOG5	5	12	COMPACTED GRAVEL	WWR 6x6 - W4.0xW4.0, EPOXY-COATED

NOTES:
1. SEE PLANS, GENERAL NOTES, AND SPECIFICATIONS FOR SUB-BASE, VAPOR RETARDER, AND SUBGRADE REQUIREMENTS.
2. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. SEE SPECIFICATIONS FOR DETAIL.

2 SLAB ON GRADE DETAIL

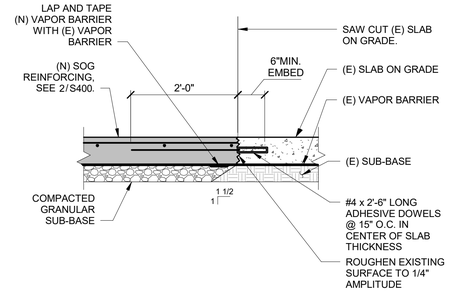
3/4" = 1'-0"



TYPICAL CORNER
1. DRILL 4" Ø HOLE TANGENT TO LINES OF FINISHED OPENING AT EACH CORNER.
2. SAWCUT BETWEEN CORES TO LINES REQUIRED. DO NOT OVER-RUN AT CORNERS.
3. CHIP THE REMAINING CORNER CONCRETE IF A SQUARE CORNER IS REQUIRED.
4. COAT THE ENDS OF ALL EXISTING CUT REINFORCING WITH ZINC-RICH PAINT. THE ZINC-RICH PAINT SHALL MEET THE ASTM A780 STANDARD.

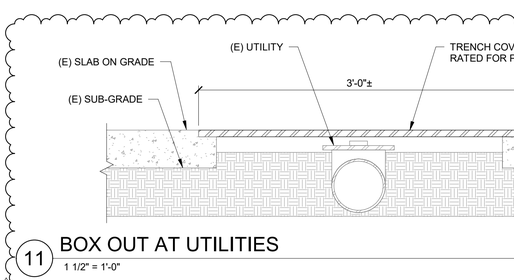
3 SAWCUTTING OF EXISTING CONCRETE

1" = 1'-0"



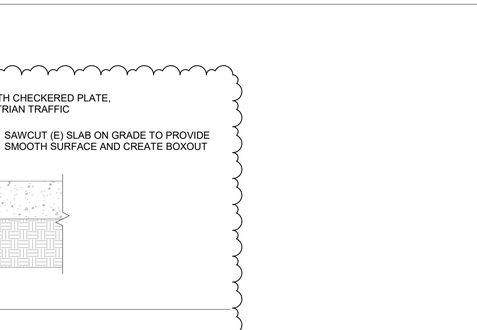
4 CONNECTION TO (E) SOG

3/4" = 1'-0"



5 STAIR CONNECTION AT BULKHEAD WALL

1 1/2" = 1'-0"



6 STAIR ANCHORAGE TO SOG

1 1/2" = 1'-0"

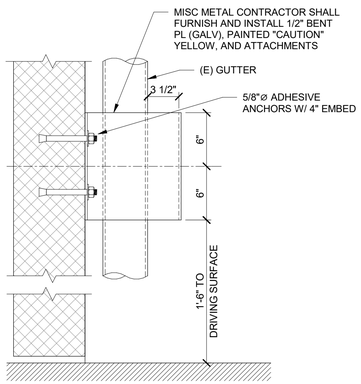
NOTE: ALL NEW STEEL SHALL BE HOT-DIPPED-GALVANIZED.

7 BULKHEAD LINTEL REPAIR

1 1/2" = 1'-0"

8 PIPE GUARD PLAN DETAIL

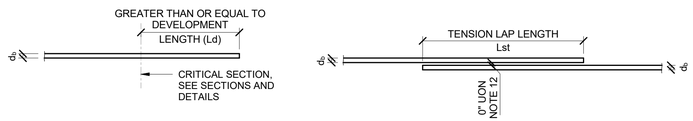
1 1/2" = 1'-0"



9 TYPICAL PIPE GUARD ELEVATION

1 1/2" = 1'-0"

BAR SIZE	DEVELOPMENT LENGTH (L_d) INCHES						CLASS B TENSION LAP SPLICE LENGTH (L_{st}) INCHES					
	TOP BARS			OTHER BARS			TOP BARS			OTHER BARS		
	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI
#3	22	19	17	17	15	13	29	25	23	23	20	17
#4	29	25	23	22	19	17	38	33	30	29	25	23
#5	36	31	28	28	24	22	47	41	37	37	32	29
#6	43	37	34	33	29	26	56	49	45	43	38	34



NOTES:
1. TABULATED DEVELOPMENT LENGTHS ARE BASED ON REINFORCEMENT STEEL YIELD STRENGTH F_y = 60 KSI, NORMAL WEIGHT CONCRETE, MINIMUM CLEAR COVER 1 d_b, AND MINIMUM CLEAR SPACING 2 d_b FOR BEAMS AND COLUMNS AND 3 d_b FOR ALL OTHER CONDITIONS.
2. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE CAST IN THE MEMBER BELOW THE BARS TO BE DEVELOPED OR SPLICED.
3. WHEN BARS OF DIFFERENT SIZES ARE LAP SPLICED, SPLICE LENGTH SHALL BE THE LARGER OF L_d FOR THE LARGER BAR AND L_{st} OF THE SMALLER BAR.
4. TENSION LAP SPLICE LENGTH IS BASED ON CLASS "B"; SPLICE LENGTH MAY BE DIVIDED BY A FACTOR OF 1.3 WHERE CLASS "A" SPLICES ARE NOTED ON DRAWINGS.
5. ALL TABULATED VALUES ARE MINIMUM LENGTHS, UON.
6. MULTIPLY TABULATED LENGTHS BY THE FOLLOWING FACTORS WHERE APPLICABLE. NOTE THAT THE FACTORS ARE CUMULATIVE: (E.G. 1.33x1.50 = 2.0)
   - A. 3 BUNDLED BARS: 1.20
   - B. 4 BUNDLED BARS: 1.33
   - C. CLEAR COVER LESS THAN d_b AND CLEAR SPACING LESS THAN $2d_b$: 1.50
   - D. EPOXY COATED TOP BARS: 1.31
   - E. EPOXY COATED OTHER BARS: 1.50
7. FOR NONCONTACT SPLICES, TRANSVERSE CENTER-TO-CENTER SPACING OF SPLICED BARS SHALL NOT EXCEED THE LESSER OF L_{st} / 5 OR 6 INCHES.
8. LAP SPLICE BARS ONLY WHERE INDICATED ON DRAWINGS.
9. STAGGER ALL SPLICES, UON.

10 DEVELOPMENT AND TENSION SPLICE LENGTH FOR DEFORMED BARS IN CONCRETE

3/4" = 1'-0"

11 BOX OUT AT UTILITIES

1 1/2" = 1'-0"

1

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No.	Date	Description	By
1	09.05.25	ADDENDUM 1	GRZ

ADDENDUM 1

Level 1 and Fire Escape Repairs and Maintenance

165 Broadway
Somerville, MA 02145

Project

REPAIR DETAILS

Drawing Title

Project No.	Checked	Date
241254.02	GT	07/31/25
Drawn	Approved	Scale
GRZ	SAC	As indicated

Drawing No.

S400

Seal