

PEEL MUSEUM AND ARCHIVES - OLD JAIL WALL HERITAGE MASONRY CONSERVATION SCOPE

9 WELLINGTON STREET EAST, BRAMPTON, ON
HERITAGE CONSULTANT: +VG ARCHITECTS

GENERAL MASONRY CONSERVATION NOTES

- DIMENSIONS/AREAS/QUANTITIES SHOWN ARE APPROXIMATE
- ELEVATION DRAWINGS ARE TWO-DIMENSIONAL REPRESENTATIONS OF THE FACADE. CONSERVATION ACTIVITIES SHALL BE APPLIED TO ALL MASONRY SURFACES NOT CAPTURED ON THE ELEVATION DRAWINGS E.G. INNER FACE OF JAMBS, REVEALS, UNDERSIDES OF PROJECTING FEATURES AND DETAILS, WHETHER OR NOT SHOWN IN FULL ON THE DRAWINGS.
- PRESERVE WHEREVER POSSIBLE THE CHARACTER AND MATERIALS OF THE BUILDINGS AND NOT TO RESTORE THE BUILDING FACADES TO THEIR ORIGINAL PRISTINE AS BUILT CONDITION
- REFER TO ARCHITECTURAL DRAWINGS FOR THE COMPLETE SCOPE OF WORK & FULLY CO-ORDINATE ALL CONSERVATION WORK WITH THAT OF OTHER TRADES.
- CONDITIONS SHOWN ON DRAWINGS ARE BASED ON OBSERVED CONDITIONS FROM GRADE
- A PRE CONSTRUCTION REVIEW WILL BE CONDUCTED FROM SCAFFOLDING TO AGREE AND DETERMINE THE EXACT LOCATION AND TYPE OF CONSERVATION TREATMENTS TO BE EMPLOYED AT EACH LOCATION
- PREPARE MOCK-UPS OF THE FOLLOWING ITEMS OF WORK:
 - RAKING OUT, 2 SQM (HORIZONTAL & VERTICAL JOINTS) - 2 MOCK UP AREAS PER ELEVATION
 - REPOINTING MORTAR - COLOUR MATCHED SAMPLE(S) TO 1/1 NEAR METRE PER ELEVATION.
 - ALL CLEANING METHODS, [APPROX. 10 SQUARE FEET PER PROCEDURE]
 - REBUILDING
- MOCK-UPS SHALL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED TO THE SATISFACTION OF THE HERITAGE CONSULTANT. APPROVED MOCK-UPS SHALL FORM THE STANDARD FOR THE METHOD AND QUALITY OF WORK TO BE PERFORMED THROUGHOUT THE PROJECT.
- THE MASON/SUBCONTRACTOR/OR CONSERVATOR SHALL HAVE EXTENSIVE EXPERIENCE IN THE APPLICATION OF SIMILAR CONSERVATION TREATMENTS AND SHALL SUBMIT A LIST OF PROJECTS AND REFERENCES WITH THE NAMES OF THE INDIVIDUALS IN A TEAM CONCERNED. THE CONSERVATOR SHOULD BE OF RECOGNIZED STANDING IN THE FIELD OF STONE CONSERVATION WITH A MINIMUM OF THREE YEARS RELATED EXPERIENCE IN THE DAY-TO-DAY PRACTICAL CONSERVATION OF TRADITIONAL RUBBLE STONE MASONRY.

EXISTING CONDITIONS:

EXISTING LIMESTONE RUBBLE WALL TO BE CONSERVED. GENERAL STEAM CLEANING USING JOS OR ROTEC PROPRIETARY SYSTEM. HEAVY ENVIRONMENTAL STAINING TO BE CLEANED USING ADDITIONAL TREATMENTS. REMOVE DETEIORATED MORTAR AND REPOINT. REPAIR DETEIORATED OR CRACKING MASONRY. REPLACE DETEIORATED UNITS. RESET CAPSTONES AND SECURE USING STAINLESS STEEL PINS. INSTALL NEW THROUGH WALL FLASHING WITH DRIP

MASONRY CLEANING:

100% OF THE MASONRY WALL TO BE RETAINED SHALL BE CLEANED. GENERALLY, THE GENTLEST CLEANING METHOD POSSIBLE SHALL BE USED TO ACHIEVE THE AGREED LEVEL OF CLEAN WITHOUT DAMAGE TO SUBSTRATE

THE ENTIRE WALL TO BE RETAINED SHALL BE CLEANED USING A PROPRIETARY, LOW PRESSURE FINE AGGREGATE MICRO ABRASIVE ROTATING VORTEX CLEANING SYSTEM (E.G. JOS/TORC, ROTEC OR EQUIVALENT)

NOTE: ATMOSPHERIC STAINING IS PRESENT ON ALL STONES. LOSS OF CRUST & DAMAGE TO STONE IS TO BE AVOIDED. REVIEW WITH ARCHITECT ON SITE PRIOR TO FURTHER CLEANING. REMOVE ALL CONSTRUCTION STAINING AND DEBRIS FOR AREAS OF HEAVY ENVIRONMENTAL STAINING ALLOW FOR ADDITIONAL APPLICATION OF CHEMICAL CLEANER OR POULICE CLEANING MEDIUM, APPROPRIATE TO THE SOILING AND TO BE DETERMINED BY TRIALS ON SITE.

- HEAVY ENVIRONMENTAL STAINING. ADDITIONAL CLEANING REQUIRED. ALLOW CHEMICAL CLEANING PRODUCT SUCH AS PROSOCCO SHURECLEAN OR SIMILAR APPROVED
- EFFLORESCENCE: REMOVE USING ATAPULGITE CLAY POULICE MEDIUM TO DRAW OUT SALTS. ALLOW FOR 2x REPEAT APPLICATIONS IN SEVERELY AFFECTED LOCATIONS
- BIOLOGICAL STAINING - ADDITIONAL CLEANING REQUIRED - ALLOW APPLICATION OF D/2 OR SIMILAR APPROVED BIOCID
- WALL CLIMBING CREEPER PLANTS/ IVY - CUT AWAY GROWTH AND REMOVE ROOTS WITH STIFF FIBRE BRUSHES AND DETERGENT
- GUANO (PIGEON STAINS) - TO BE REMOVED

MASONRY CONSERVATION:

DAMAGED OR UNSOUND MASONRY AREA - MASONRY REBUILD REQUIRED. REPAIR THE EXISTING MASONRY AND RETURN IT TO A SOUND, DURABLE CONDITION IT IS NOT INTENDED THAT ALL MISSING OR DAMAGED FACES AND PROFILES SHOULD BE MADE PERFECT BUT THAT THE BUILDING SHOULD STILL SHOW ITS AGE AND CHARACTER WHEN THE WORK IS COMPLETED. TAKE DOWN AREAS OF SEVERELY DETEIORATED STONE WORK IN MAXIMUM 1000 MM WIDE SECTIONS WHERE LOAD BEARING REMOVE OLD MORTAR AND CLEAN ALL UNITS TO BE RE-INCORPORATED INTO THE WORK.

DETERIORATION - STONE TO BE CONSERVED, SCALE OR RUB BACK, OR WHERE MISSING, BLOWN APART OR FAILED. REPLACE WITH SALVAGED STOCK TO MATCH SURROUNDING EXISTING

CRACKING MASONRY WALL - REBUILD WALL USING EXISTING STONE UNITS. NEW BEDDING AND REPOINTING MORTAR, UTILIZING EMBEDDED HELICAL TIE ANCHORS AND/OR THREADED ROD REPAIR SEE DETAIL 01/ HC-03

- EXISTING ANCHOR - TO BE REMOVED
- EXISTING VOID - TO BE FILLED
- EXISTING COPING STONES TO BE REMOVED AND RE-SET WITH NEW EMBEDDED S/S DOWELS AND NEW LEAD FLASHING WITH DRIP EDGE. REFER TO DETAIL 03/ HC-03
- MISSING OR FAILED MASONRY UNIT - REPLACE USING MATCHING OR SALVAGED MATERIAL

DISPLACED OR MISALIGNED STONE UNIT - REBUILD LOCALIZED AREA AND REALIGN WITH SURROUNDING WALL

CAPSTONES GENERALLY: REMOVE EXISTING STONES AND EXISTING FLASHING BELOW. INSTALL NEW LEAD THROUGH-WALL FLASHING. REINSTATE AND SECURE NEW STONE IN PLACE USING STAINLESS STEEL DOWELS. REFER TO DETAIL 04/HC-03

REPOINTING

CAREFULLY RAKE OUT AND REPOINT ALL CRACKED, SPALLED, CHALKED, DUSTED OR OTHERWISE CRUMBLING AND EXCESSIVELY WEATHERED BACK POINTING MORTAR, AND INAPPROPRIATE CEMENTITIOUS MORTAR FROM PREVIOUS REPAIR CAMPAIGNS

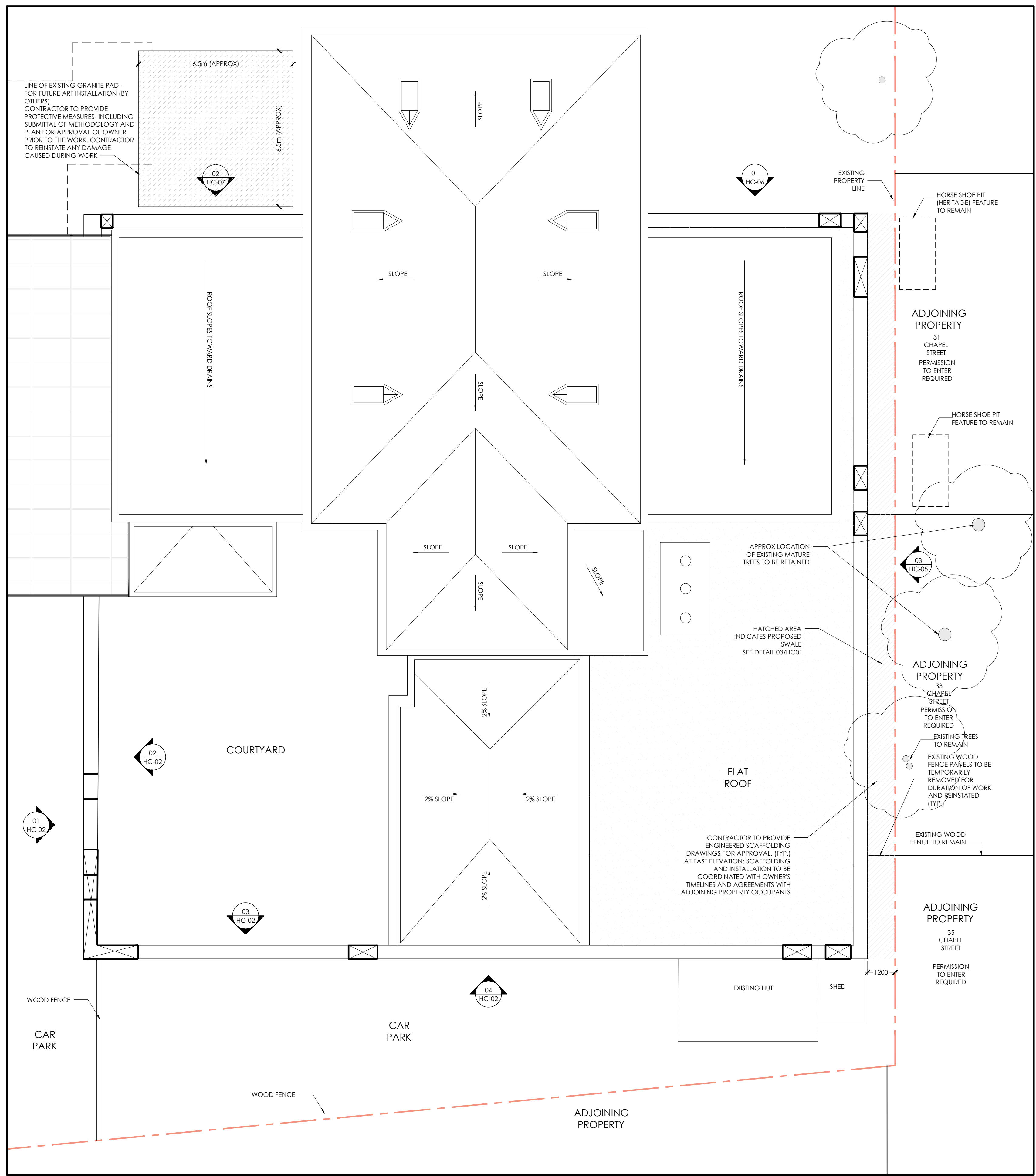
RESTORATION REPOINTING MORTAR IS TO BE LIME-BASED AND SOFTER THAN THE SURROUNDING MATERIAL. ALLOW A PREMIXED, PREBAGGED PRODUCT - EXACT COLOUR, SPECIFICATIONS & MIX RATIO TO BE DETERMINED BASED ON AN ANALYSIS OF THE EXISTING HERITAGE MASONRY. ALLOW FOR SEE DRAWING HC-03 DETAIL -03 FOR TYPICAL REPOINTING PROCEDURE

THE EXISTING MORTAR TO BE RAKED OUT VARIES IN HARDNESS CONSISTENCY, CONDITION AND TYPE. REFER TO EXISTING MORTAR SURVEY AND ANALYSIS REPORT DATED 26 MAY 2023

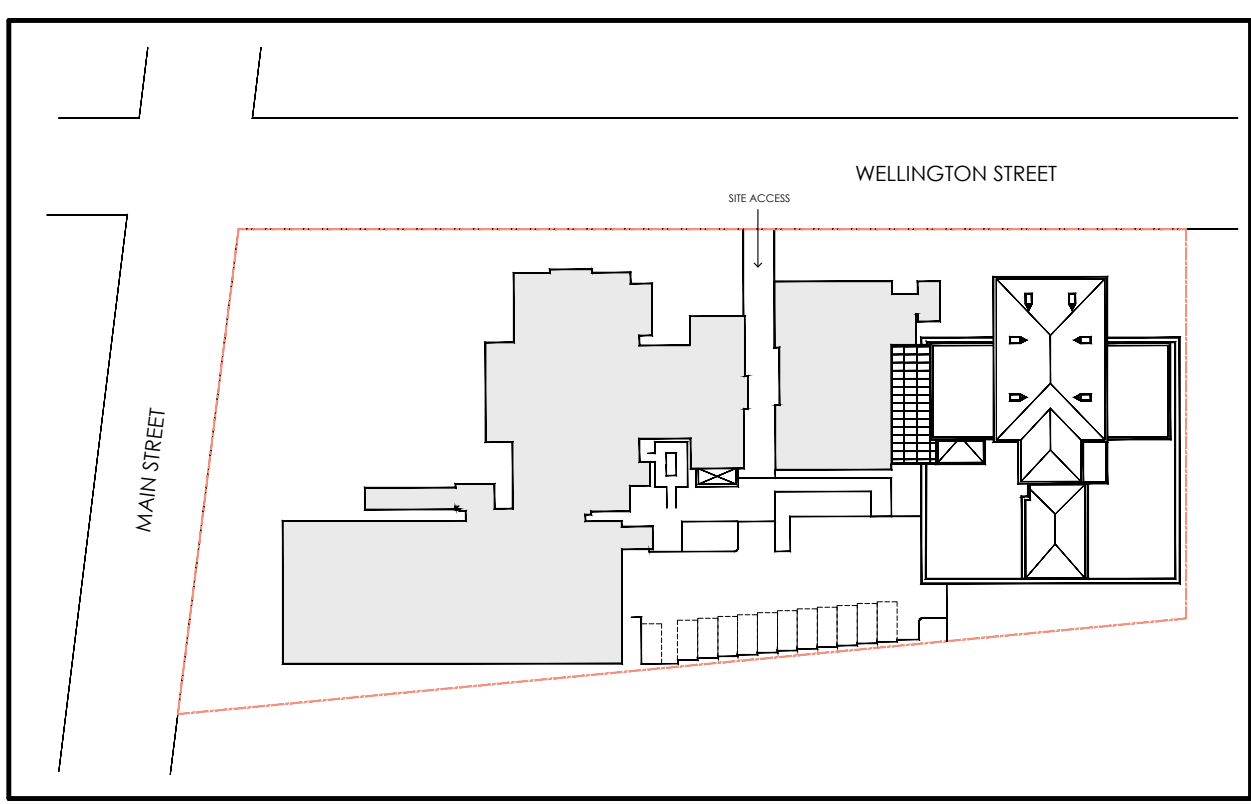
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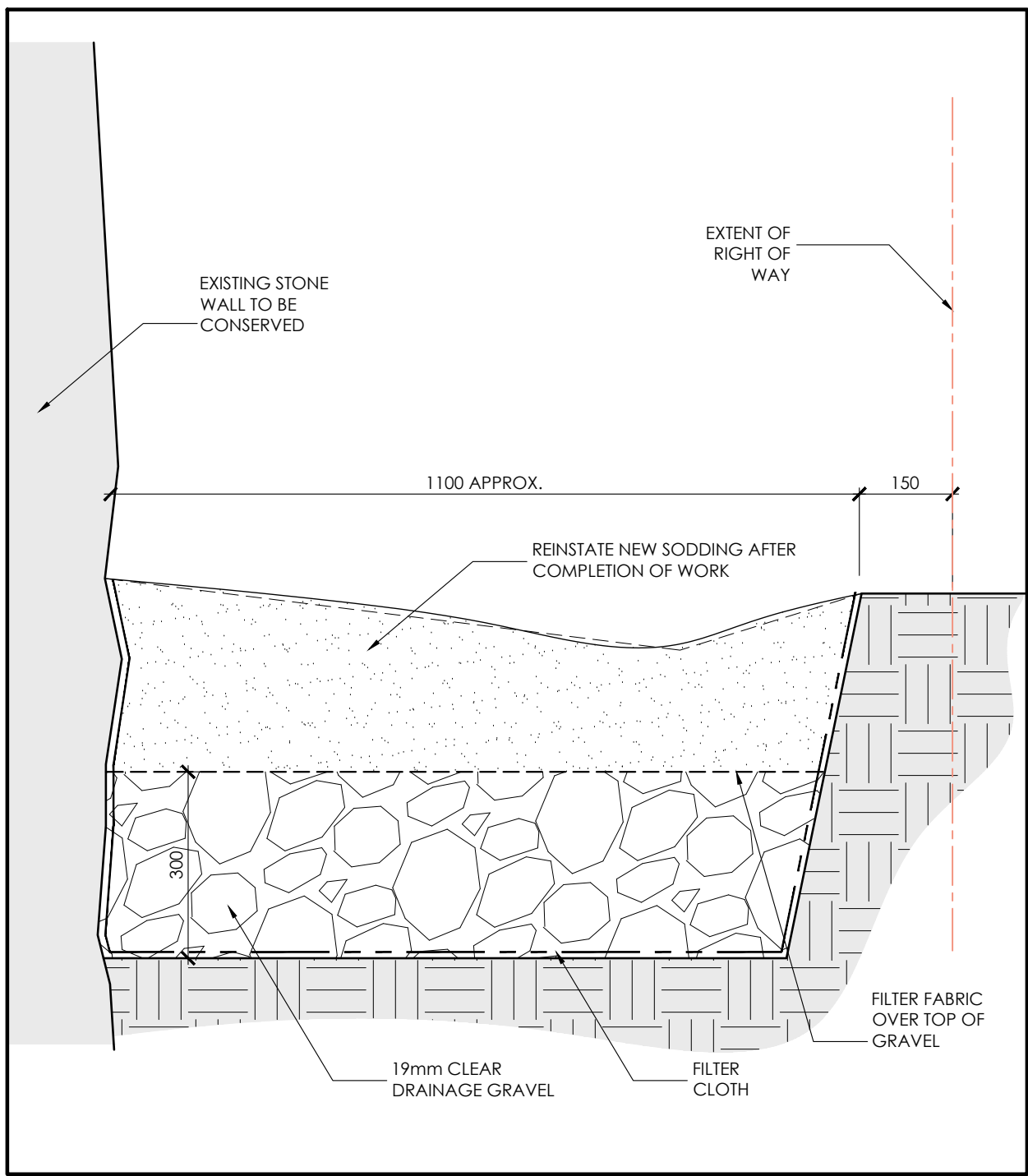
00 CONSERVATION LEGEND & NOTES
HC-01 N/A



01 SITE PLAN
HC-01 1:100



02 KEY PLAN
HC-01 1:1000



03 TYPICAL SWALE DETAIL AT EAST WALL
HC-01 1:100

- HERITAGE CONSERVATION SCOPE DRAWING LIST:**
- HC 01 - SITE PLAN & LANDSCAPE DETAILS
 - HC 02 - WALL ELEVATIONS - MASONRY CONSERVATION SCOPE
 - HC 03 - TYPICAL MASONRY CONSERVATION DETAILS
 - HC 04 - BUILDING 9 (JAIL) WINDOW REPLACEMENT

04 DRAWING LIST
HC-01 N.T.S.

REVISIONS

NO.	DATE	PARTICULAR
1	231031	DRAFT FOR CLIENT REVIEW
2	240531	PRE-TENDER REVIEW
3	240617	ISSUED FOR PERMIT APPLICATION

NOTES:

KEY PLAN:

CLIENT:

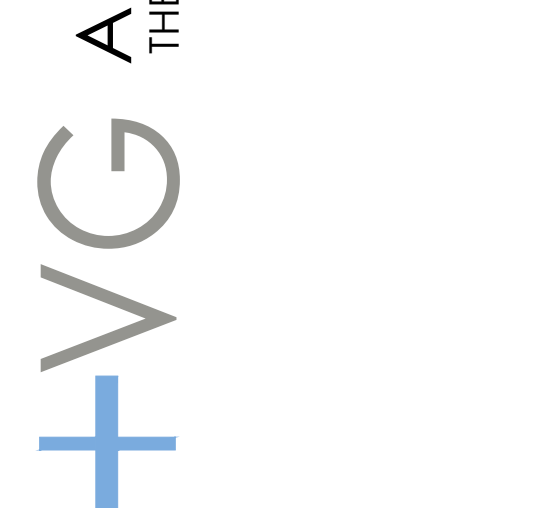
MOON-MATZ LTD.
2902 SOUTH SHERIDAN WAY, SUITE 300
OAKVILLE, ON L6J 7L6

PROJECT:

22298
HERITAGE REPAIRS & JAIL WINDOW REPLACEMENT

PAMA - PEEL MUSEUM AND ARCHIVES
7 & 9 WELLINGTON ST E
BRAMPTON, ON - L6W 1Y1

ORIGINAL PAGE SITE ARCH D - 24" x 36"
KEY TO DETAIL LOCATION:
A - DETAIL NO.
B - DETAIL NO. ORIGIN



**PEEL ART GALLERY MUSEUM AND ARCHIVES
OLD JAIL WALL MASONRY CONSERVATION**

OWNER:
PAMA
PEEL ART GALLERY MUSEUM + ARCHIVES
THE REGION OF PEEL
10 PEEL CENTRE DRIVE,
SUITE B
BRAMPTON, ON L6T 4B9

CONSULTING ENGINEER:
MOON-MATZ LTD.
2902 SOUTH SHERIDAN WAY,
SUITE 300,
OAKVILLE, ON L6J 7L6

HERITAGE CONSULTANT:
+VG ARCHITECTS
THE VENTIN GROUP LTD.
+VG ARCHITECTS
52 SCARSDALE ROAD,
SUITE 212,
TORONTO, ON. M3B 2R7.

HC-01

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1:100

SITE PLAN & LANDSCAPE DETAIL

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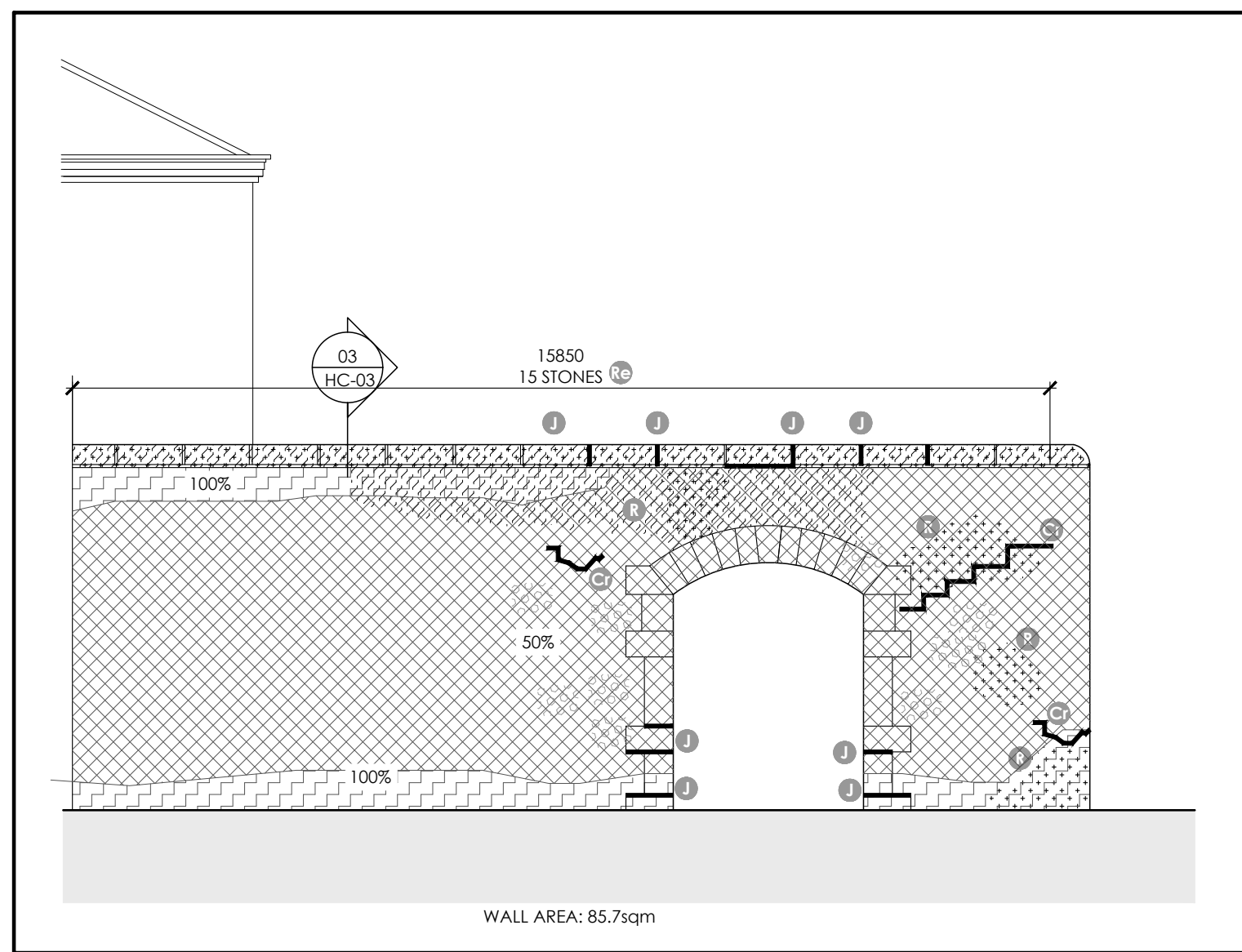
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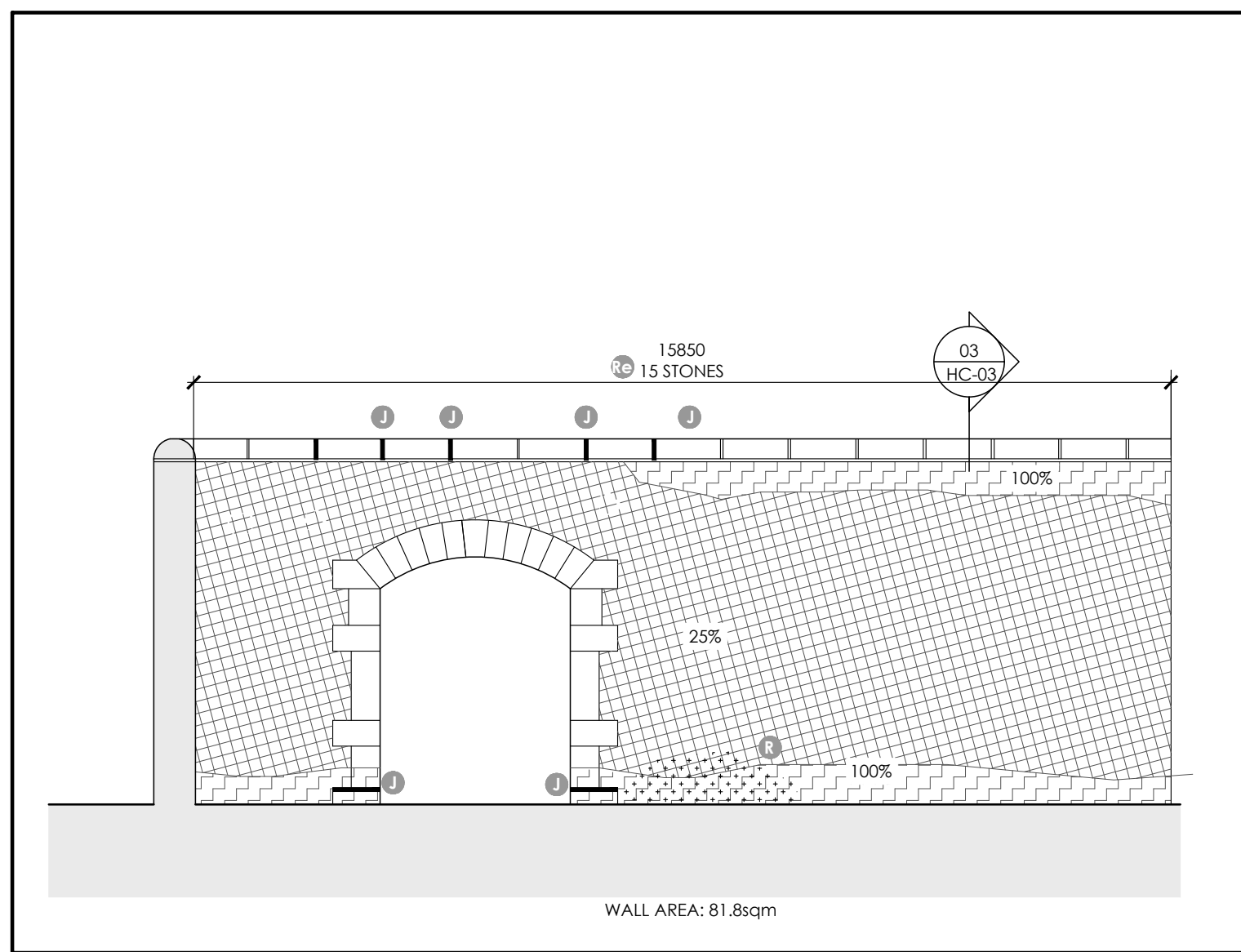
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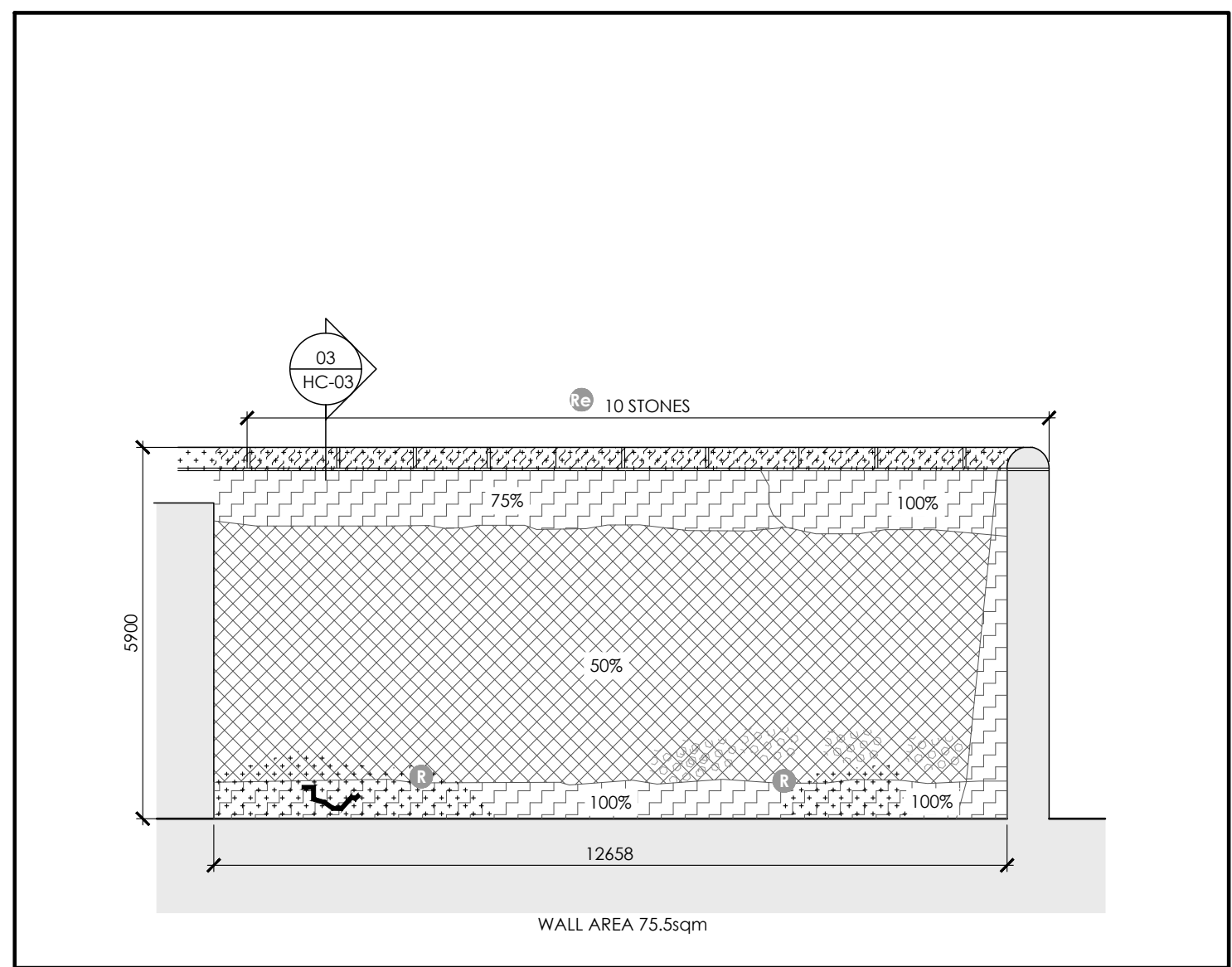
00 CONSERVATION LEGEND & NOTES
HC-02 N/A



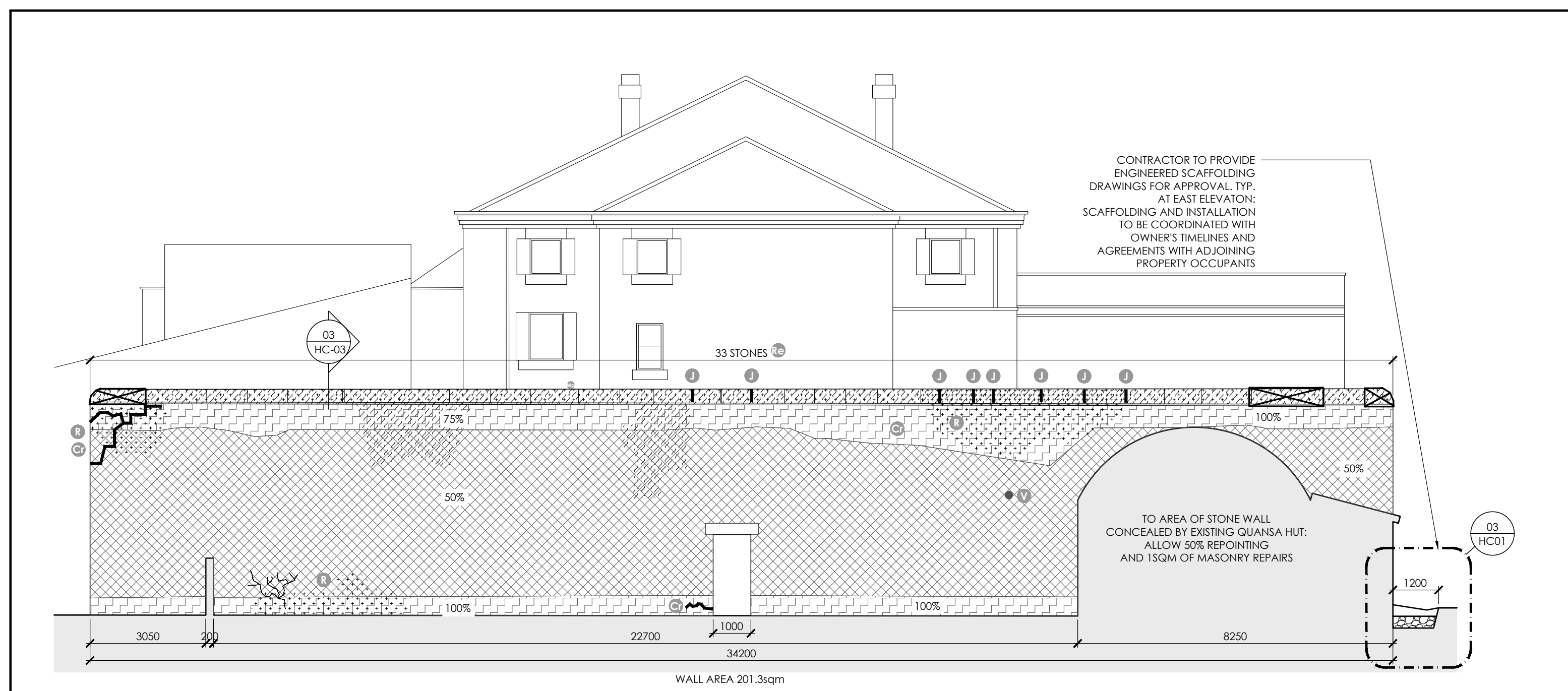
01 WEST ELEVATION (TO CARPARK)
HC-02 1:100



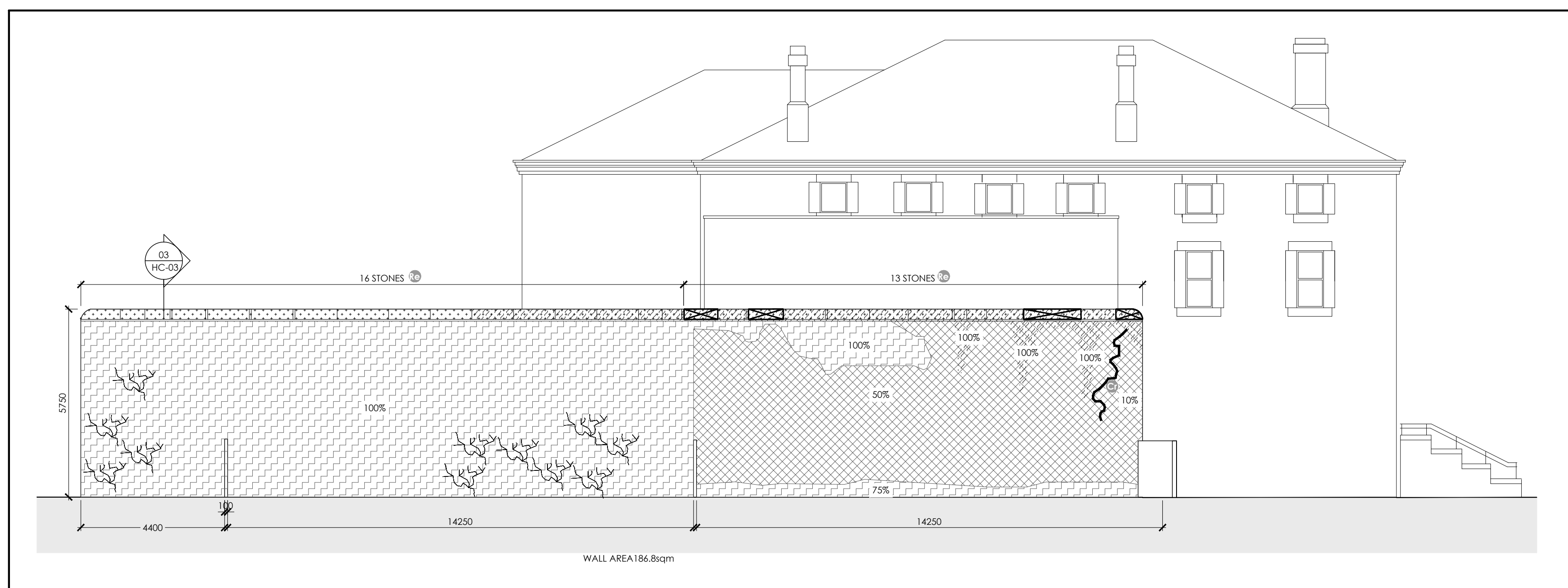
02 EAST ELEVATION OF WEST WALL (TO COURTYARD)
HC-02 1:100



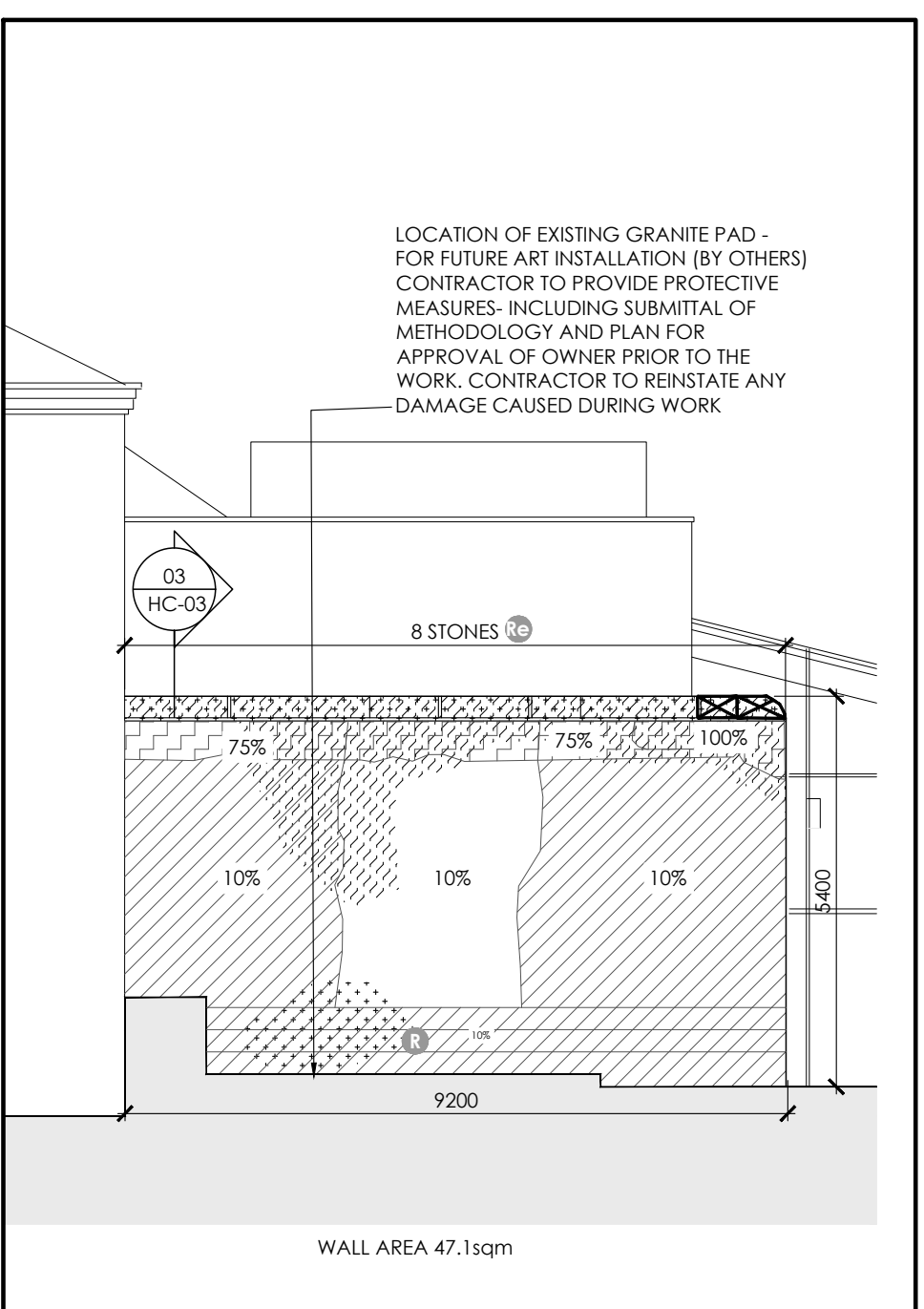
03 SOUTH ELEVATION
HC-02 1:100



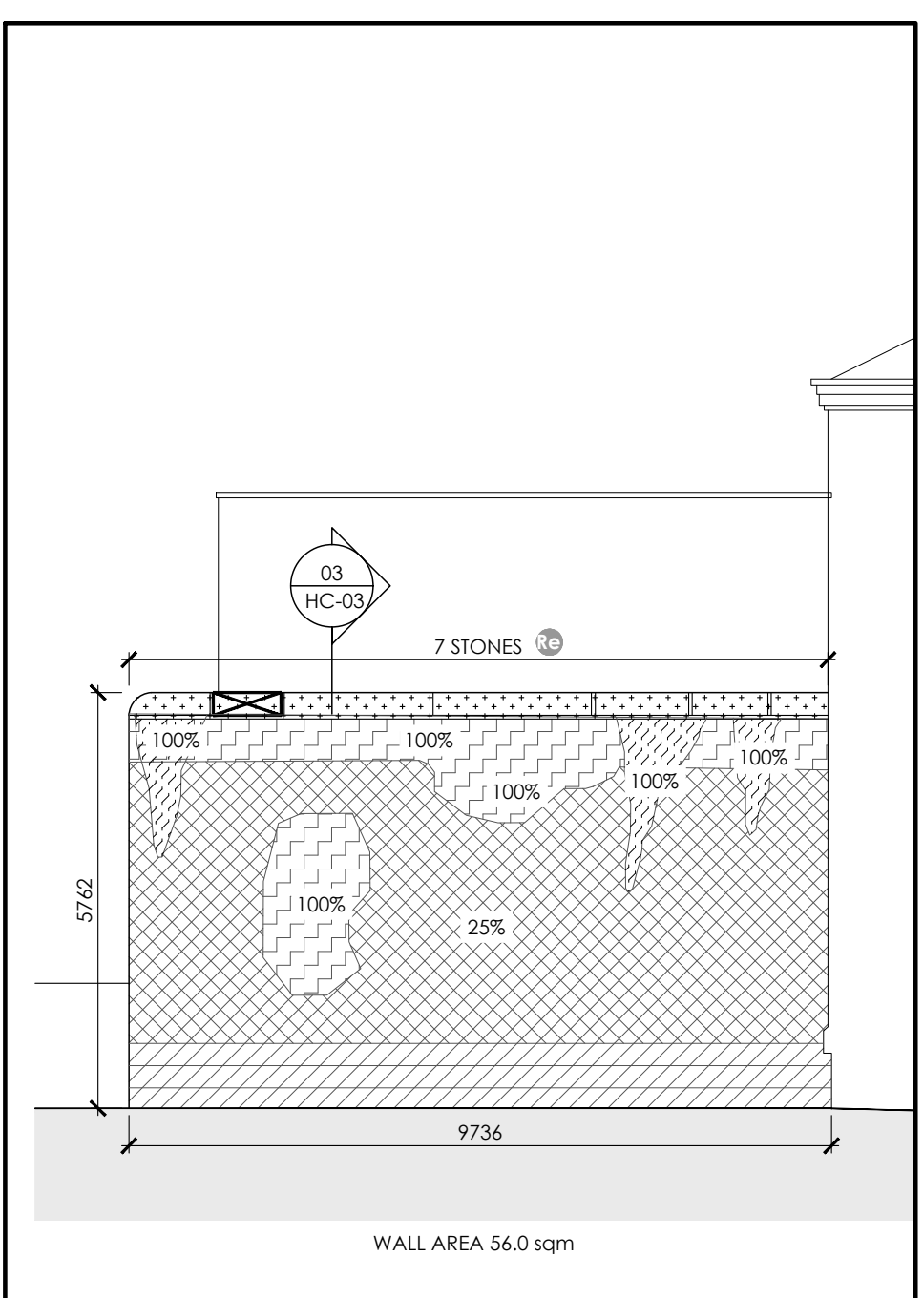
04 SOUTH ELEVATION (TO CARPARK)
HC-02 1:100



05 EAST ELEVATION - TO ADJOINING PROPERTIES
HC-02 1:100



06 NORTH ELEVATION (WEST END - TO WELLINGTON ST.)
HC-02 1:100



07 NORTH ELEVATION (EAST END - TO WELLINGTON ST.)
HC-02 1:100

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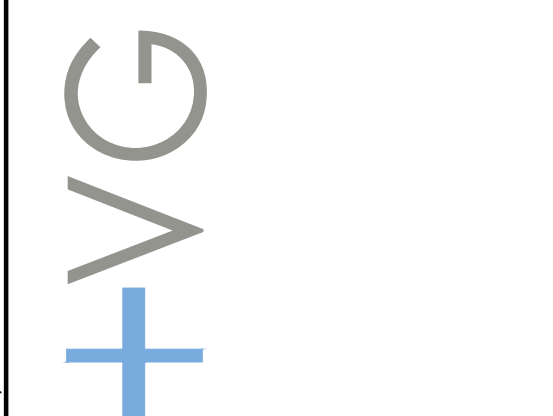
CLIENT:

MOON-MATZ LTD.
2902 SOUTH SHERIDAN WAY, SUITE 300
OAKVILLE, ON
L6J 7L6

PROJECT:

22298
HERITAGE REPAIRS & JAIL WINDOW REPLACEMENT
PAMA - PEEL MUSEUM AND ARCHIVES
7 & 9 WELLINGTON ST E
BRAMPTON, ON - L6W 1Y1

ORIGINAL PAGE SIZE ARCH D - 24" x 36"
KEY TO DETAIL LOCATION:
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HC-02

DRAWN BY: JLDG CHECKED BY: DG

WALL ELEVATIONS - MASONRY CONSERVATION SCOPE 1:100
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- GUANO (PIGEON STAINS) - TO BE REMOVED

MASONRY CONSERVATION:

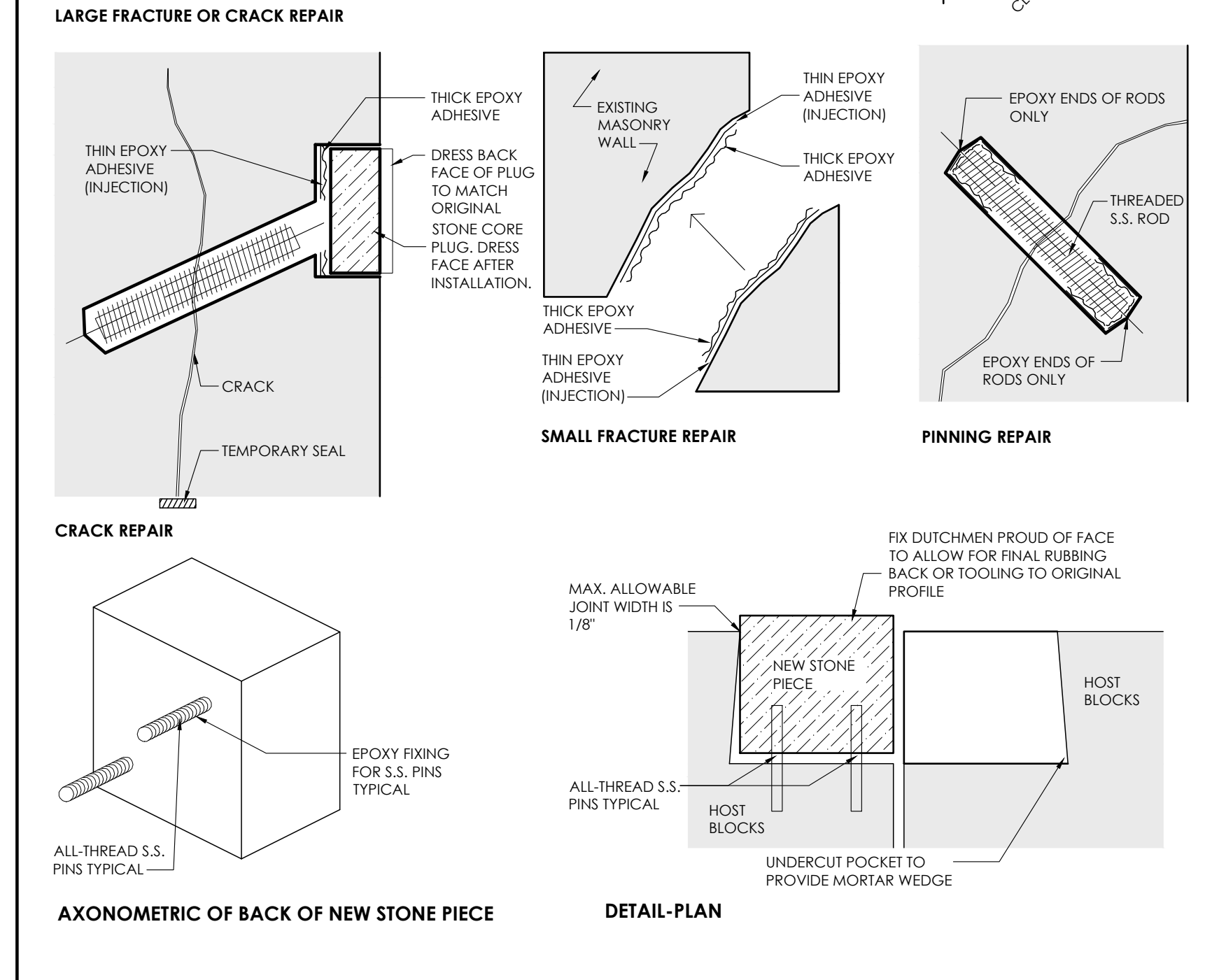
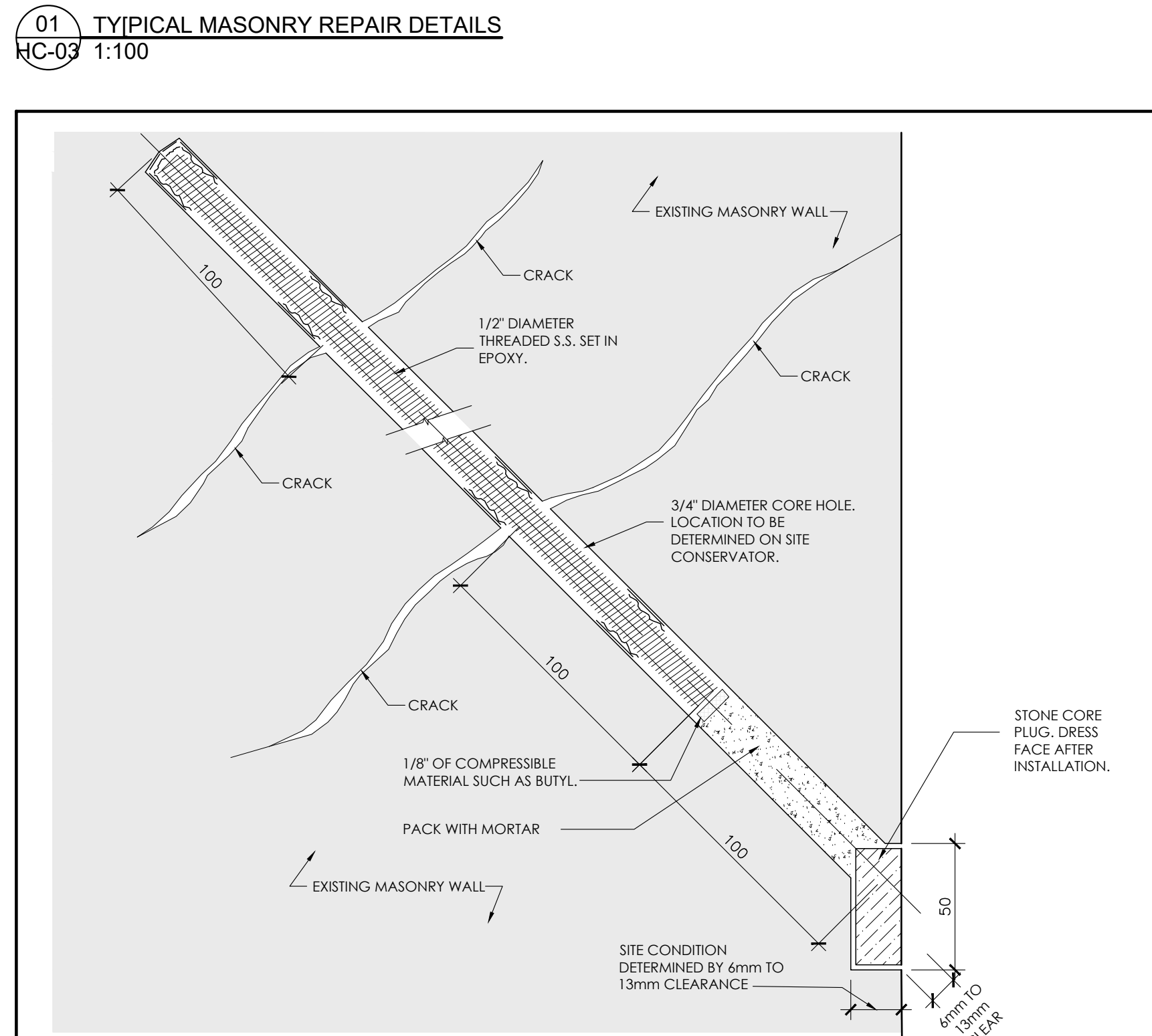
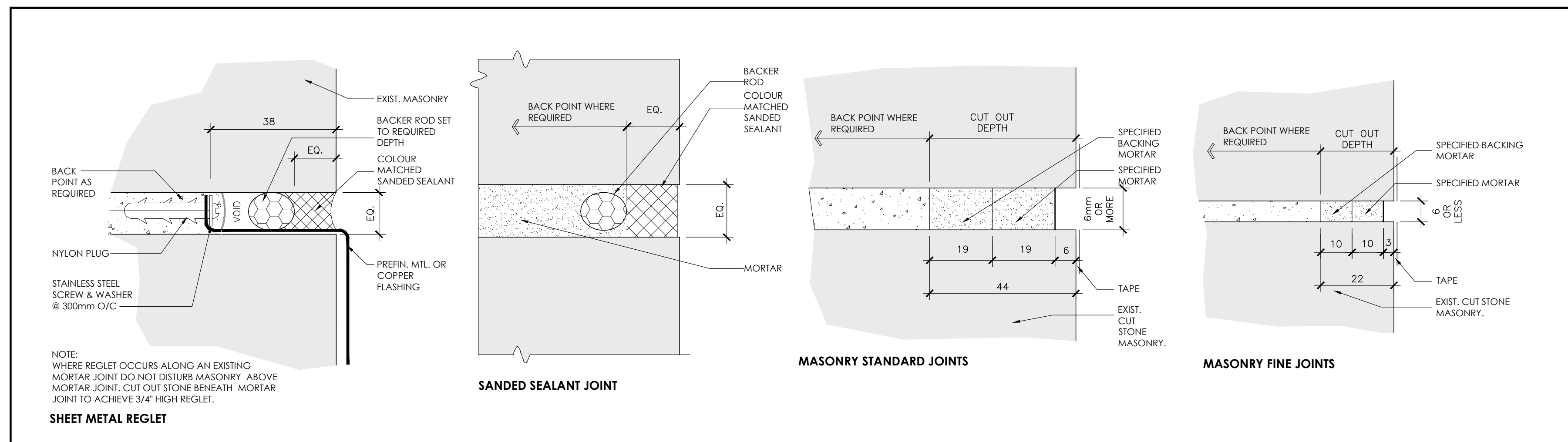
- DAMAGED OR UNSOUND MASONRY AREA - MASONRY REBUILD REQUIRED. REPAIR THE EXISTING MASONRY AND RETURN IT TO A SOUND, DURABLE CONDITION IT IS NOT INTENDED THAT ALL MISSING OR DAMAGED FACES AND PROFILES SHOULD BE MADE PERFECT BUT THAT THE BUILDING SHOULD STILL SHOW ITS AGE AND CHARACTER WHEN THE WORK IS COMPLETED. TAKE DOWN AREAS OF SEVERELY DETERIORATED STONE WORK IN MAXIMUM 1000 MM WIDE SECTIONS WHERE LOAD BEARING. REMOVE OLD MORTAR AND CLEAN ALL UNITS TO BE RE-INCORPORATED INTO THE WORK.
- DETERIORATION - STONE TO BE CONSERVED, SCALE OR RUB BACK, OR WHERE MISSING, BLOWN APART OR FAILED. REPLACE WITH SALVAGED STOCK TO MATCH SURROUNDING EXISTING
- CRACKING MASONRY WALL - REBUILD WALL USING EXISTING STONE UNITS. NEW BEDDING AND REPOINTING MORTAR, UTILIZING EMBEDDED HELICAL TIE ANCHORS AND/OR THREADED ROD REPAIR SEE DETAIL 01/ HC-03
- EXISTING ANCHOR - TO BE REMOVED
- EXISTING VOID - TO BE FILLED
- EXISTING COPING STONES TO BE REMOVED AND RE-SET WITH NEW EMBEDDED S/S DOWELS AND NEW LEAD FLASHING WITH DRIP EDGE. REFER TO DETAIL 03/ HC-03
- MISSING OR FAILED MASONRY UNIT - REPLACE USING MATCHING OR SALVAGED MATERIAL
- DISPLACED OR MISALIGNED STONE UNIT - REBUILD LOCALIZED AREA AND REALIGN WITH SURROUNDING WALL

CAPSTONES GENERALLY: REMOVE EXISTING STONES AND EXISTING FLASHING BELOW. INSTALL NEW LEAD THROUGHWALL FLASHING. REINSTATE AND SECURE NEW STONE IN PLACE USING STAINLESS STEEL DOWELS. REFER TO DETAIL 04/HC-03

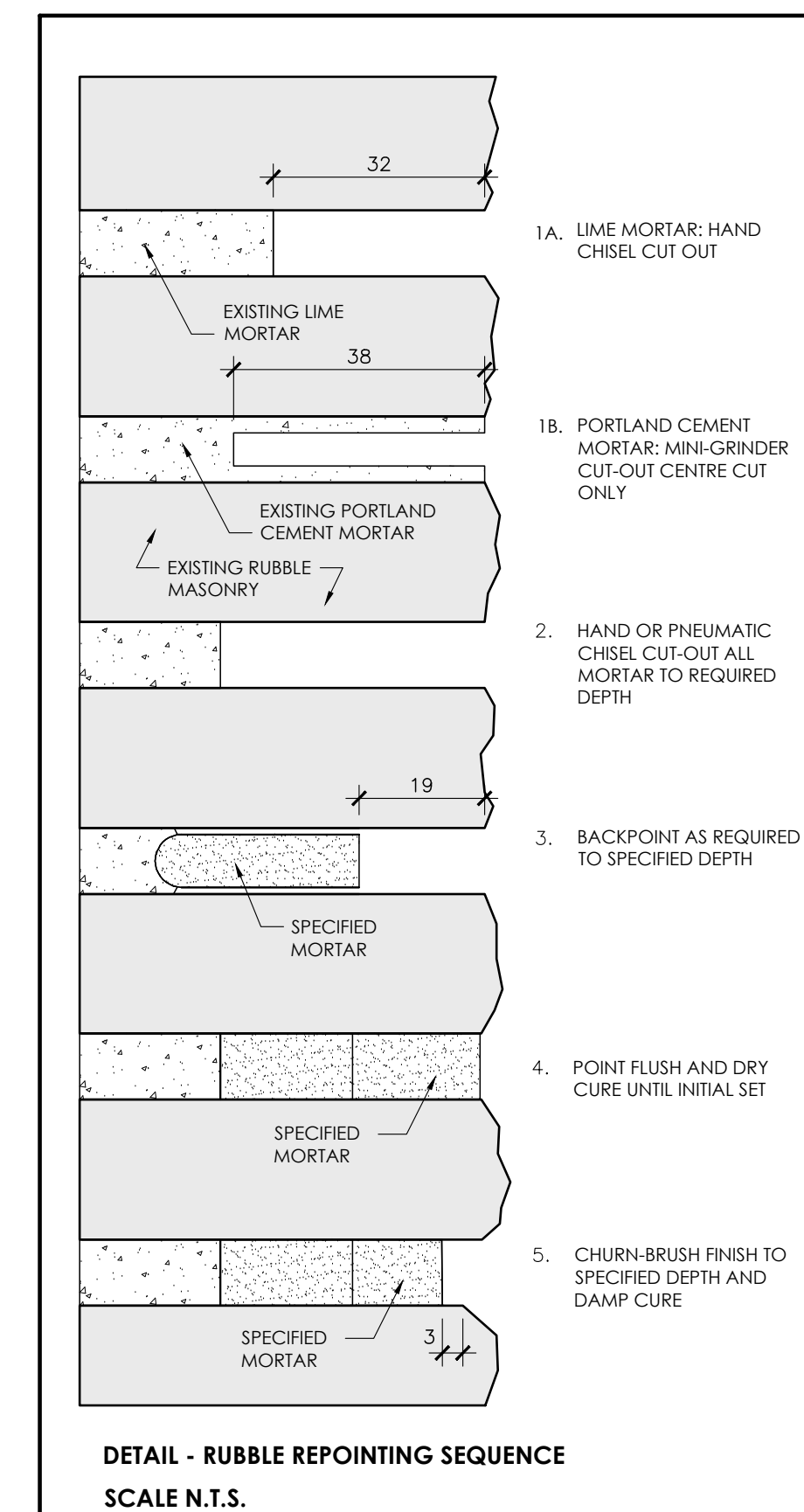
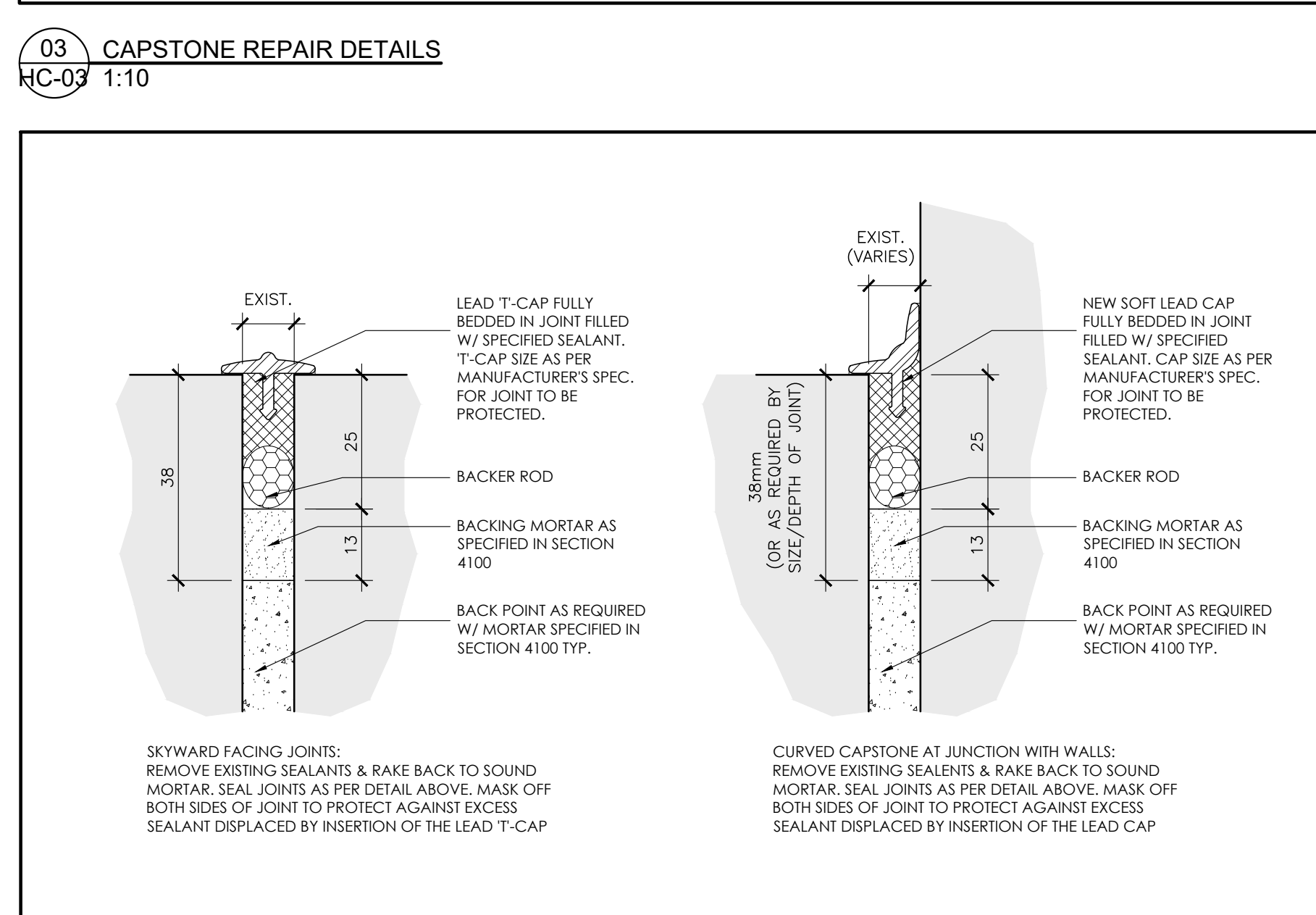
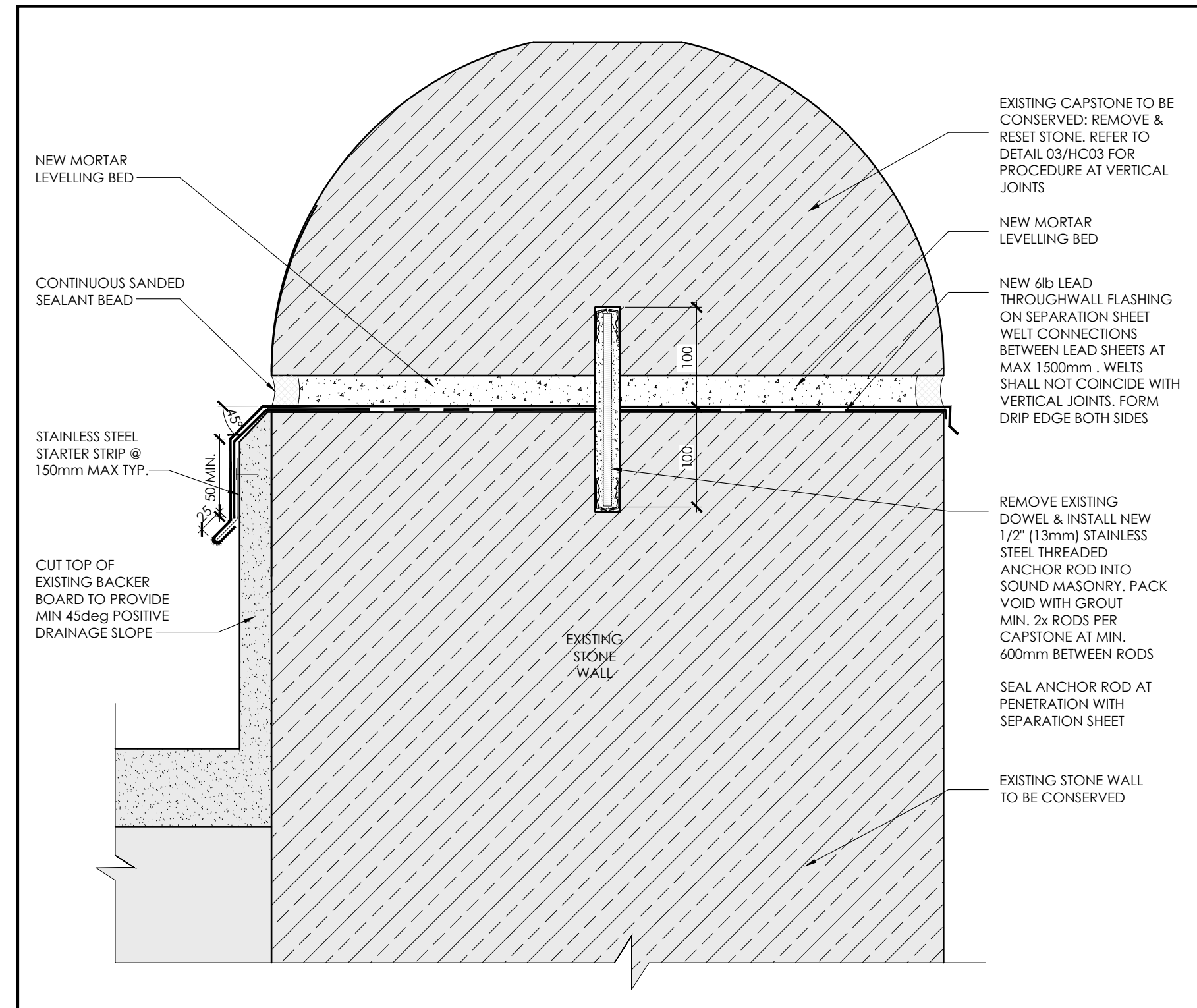
REPOINTING

- CAREFULLY RAKE OUT AND REPOINT ALL CRACKED, SPALLED, CHALKED, DUSTED OR OTHERWISE CRUMBLING AND EXCESSIVELY WEATHERED BACK POINTING MORTAR, AND INAPPROPRIATE CEMENTITIOUS MORTAR FROM PREVIOUS REPAIR CAMPAIGNS
 - RESTORATION REPOINTING MORTAR IS TO BE LIME-BASED AND SOFTER THAN THE SURROUNDING MATERIAL. ALLOW A PREMIXED, PREBAGGED PRODUCT - EXACT COLOUR, SPECIFICATIONS & MIX RATIO TO BE DETERMINED BASED ON AN ANALYSIS OF THE EXISTING HERITAGE MASONRY. ALLOW FOR SEE DRAWING HC-03 DETAIL -03 FOR TYPICAL REPOINTING PROCEDURE
 - THE EXISTING MORTAR TO BE RAKED OUT VARIES IN HARDNESS CONSISTENCY, CONDITION AND TYPE. REFER TO EXISTING MORTAR SURVEY AND ANALYSIS REPORT DATED 26 MAY 2023
 - LOCATIONS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND THE EXACT LOCATION AND EXTENT OF REPOINTING SHALL BE DETERMINED AND AGREED ON SITE
- | | |
|--|---|
| | MODERATE - RAKE OUT AND REPOINT 10% OF JOINTS IN THIS ZONE AS SHOWN |
| | POOR - RAKE OUT AND REPOINT 50% OF JOINTS IN THIS ZONE AS SHOWN |
| | SEVERE - RAKE OUT AND REPOINT 75% TO 100% PERCENT OF THE JOINTS IN THIS ZONE AS SHOWN |

00 CONSERVATION LEGEND & NOTES
HC-03 N/A



02 TYPICAL MASONRY REPAIR DETAILS
HC-03 NTS



05 RUBBLE REPOINTING PROCEDURE
HC-03 NTS

REVISIONS

NO.	DATE	PARTICULAR
1	231031	DRAFT FOR CLIENT REVIEW
2	240531	PRE-TENDER REVIEW
3	240617	ISSUED FOR PERMIT APPLICATION

NOTES:

KEY PLAN:

CLIENT:

MOON-MATZ LTD.
2902 SOUTH SHERIDAN WAY, SUITE 300
OAKVILLE, ON L6J 7L6

PROJECT:

22298
HERITAGE REPAIRS & JAIL WINDOW REPLACEMENT
PAMA - PEEL MUSEUM AND ARCHIVES
7 & 9 WELLINGTON ST E
BRAMPTON, ON - L6W 1Y1

ORIGINAL PAGE SITE ARCH D - 24" x 36"
KEY TO DETAIL LOCATION:
A - DETAIL NO.
B - DETAIL NO. ORIGIN

+VG ARCHITECTS
THE VENTIN GROUP LTD



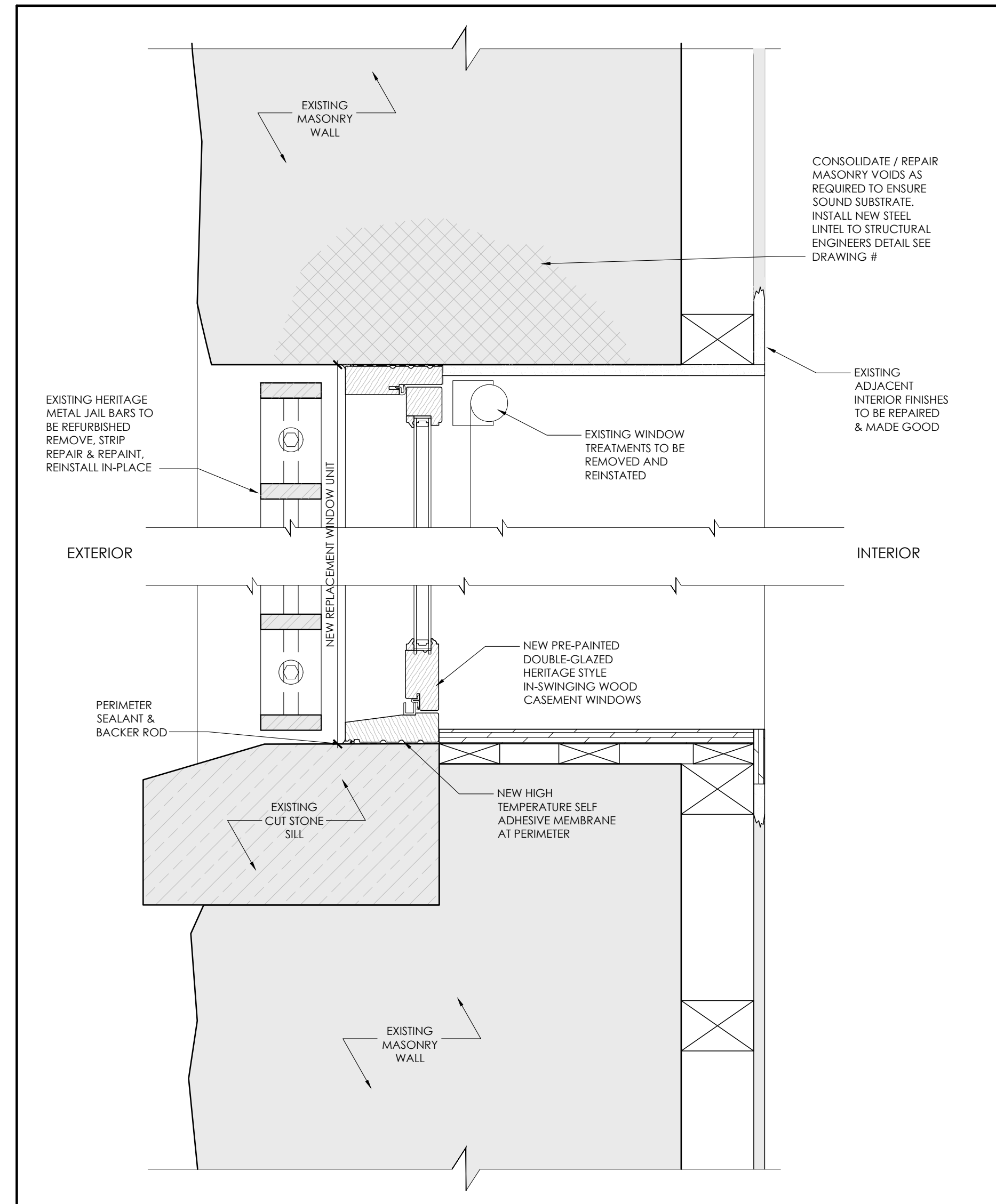
Prof Date: Jun 17, 2024 - 12:14pm By: Derek Quilloom

HC-03

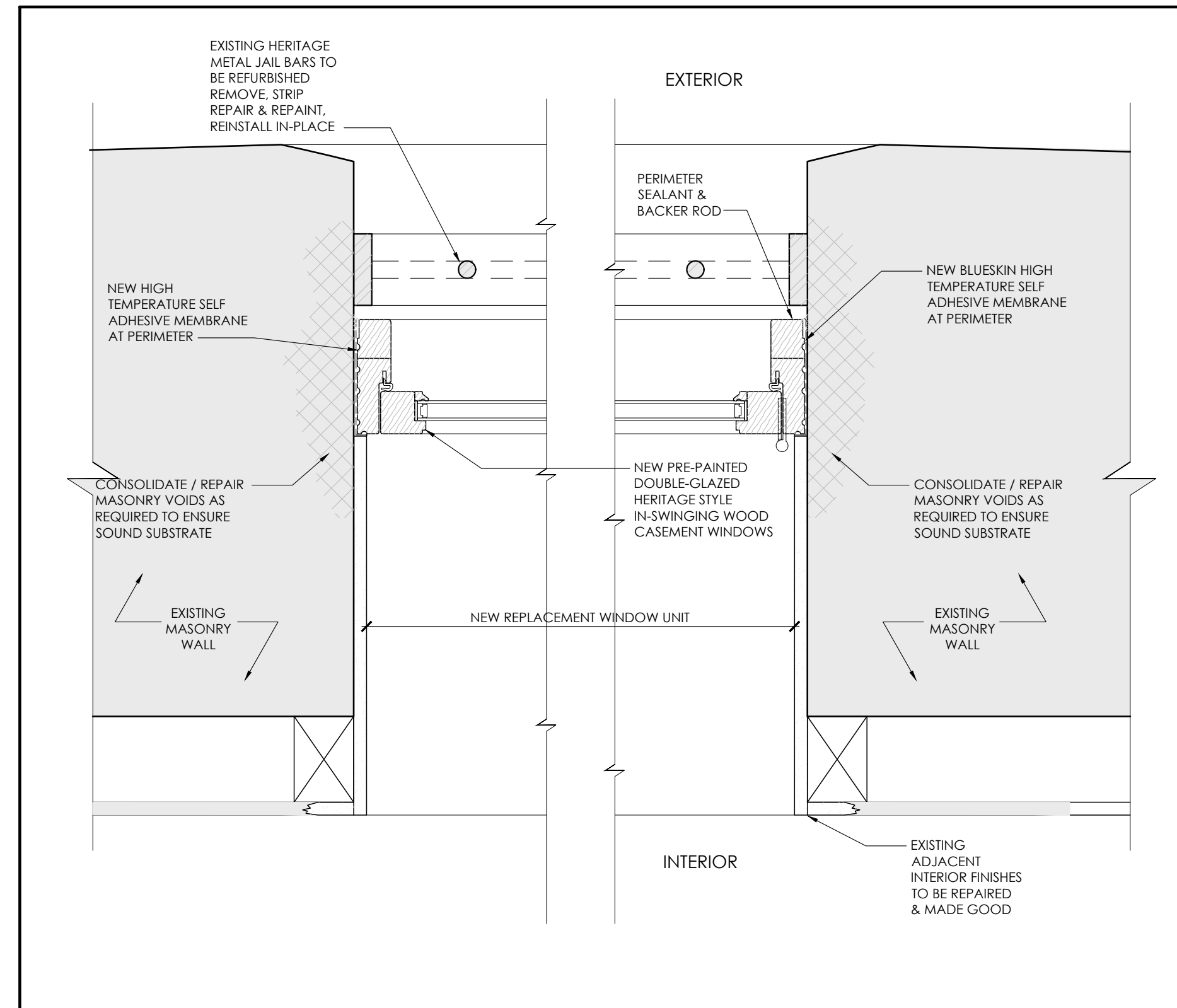
DRAWN BY: DG CHECKED BY: DG

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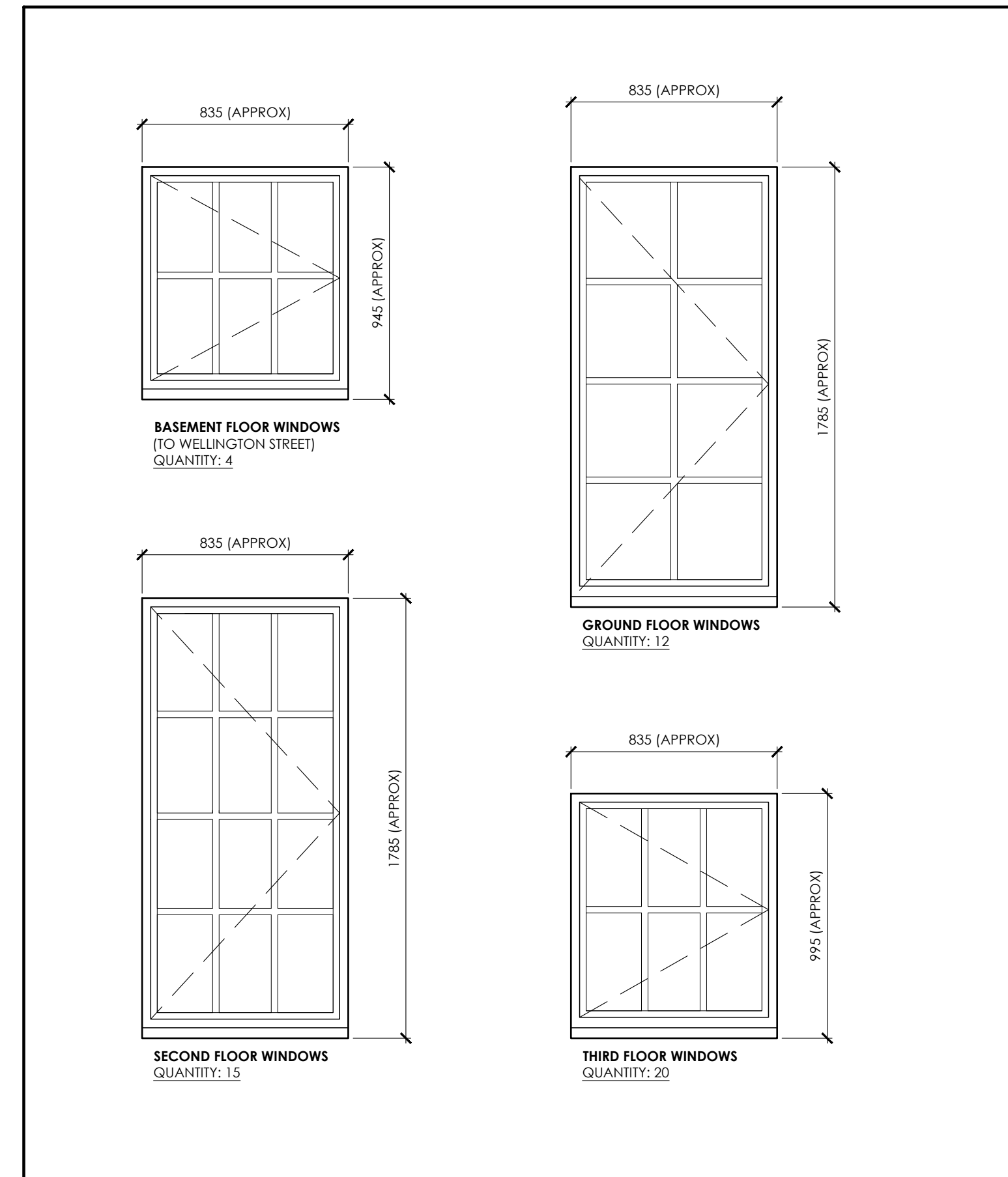
TYPICAL MASONRY CONSERVATION DETAILS 1:10



01 TYPICAL WINDOW SECTIONS
HC-04 1:5



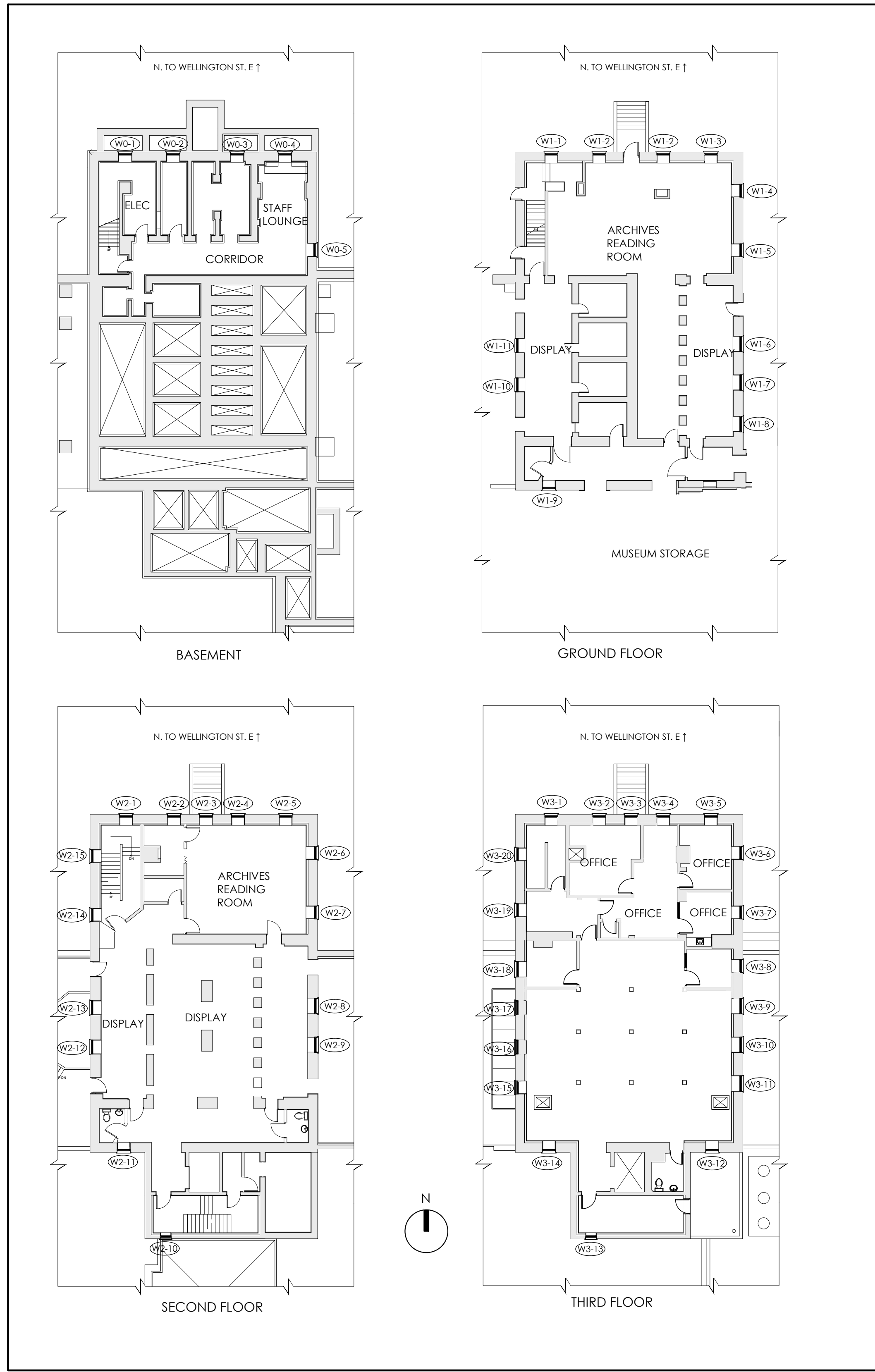
02 TYPICAL WINDOW PLAN DETAIL
HC-04 1:5



03 TYPICAL WINDOW ELEVATIONS
HC-04 1:20

HERITAGE STYLE WOOD WINDOWS SPECIFICATION:
PROVIDE AND INSTALL:
 NEW HIGH-QUALITY, THERMALLY BROKEN DOUBLE GLAZED WOOD WINDOWS
 FACTORY PRE-PAINTED ELECTROSTATICALLY BONDED COATING SYSTEM, WITH MANUFACTURER'S GUARANTEE MIN. 15 YEARS. FINISH IN HISTORICALLY APPROPRIATE COLOURS TO LATER SELECTION.
 OPERABLE INWARD SWINGING SIDE-HUNG CASEMENT SECTIONS WITH COLOUR CODED REMOVABLE INSECT SCREENS
 HANDING: LEFT/RIGHT HUNG AS PER EXISTING CONFIGURATIONS - REFER TO SITE CONDITIONS
 7/8" SIMULATED DIVIDED LITES AS SHOWN
 HARDWARE: HERITAGE STYLE HARDWARE WITH MULTIPOINT LOCKING SYSTEM - FINISH: OIL RUBBED BRONZE
 GLAZING: DOUBLE GLAZED CLEAR INSULATED GLAZING UNIT BY WINDOW MANUFACTURER, ARGON FILLED & LOW-E COATED 70/36/LAMINATED(0.030 FILM)
 IT IS INTENDED THAT THE NEW WINDOWS SHALL HAVE A HIGH ENERGY PERFORMANCE:
TARGET PERFORMANCE OF WINDOWS:
 • ENERGY STAR RATED - YES
 • NFRC RATING - YES
 • ENERGY RATING: 30
 • U-FACTOR (METRIC) 1.3
 • SHGC: 0.35
 • VT 0.53
 • CR 40
BASIS OF PERFORMANCE:
 NORWOOD WOOD SERIES- C3 WINDOW SYSTEM.
 CONTACT: RIDLEY WINDOWS & DOORS; 520 APPLEWOOD CRCS, VAUGHAN ON, L4K 4B4 CANADA
 EQUIVALENT PRODUCT SUBSTITUTIONS ARE ALLOWED, SUBJECT TO APPROVAL BY THE CONSULTANT AND THE OWNER, WITH CONFIGURATION AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH SECTION 01 25 00 - PRODUCT SUBSTITUTION PROPOSALS.
 WINDOW SUPPLIER TO PROVIDE DETAILED PRODUCT SPECIFICATION, WINDOW AND HARDWARE SCHEDULES SHOWING INDIVIDUAL ELEVATIONS OF WINDOWS AND PHYSICAL SAMPLES FOR APPROVAL IN ACCORDANCE WITH SECTION 01 43 39 - MOCK UP REQUIREMENTS
METAL JAIL BARS CONSERVATION: REFER TO SPEC. SECTION 05 03 00
PROCEDURE:
 • REMOVE BARS TO ACCOMMODATE WINDOW INSTALLATION.
 • STRIP EXISTING COATINGS CLEAN, REPAIR, PRIME AND REPAINT METAL BAR ASSEMBLY AND COMPONENTS
 • CONSOLIDATE MASONRY AT ANCHORAGE POINTS
 • REINSTALL COMPLETE USING COMPATIBLE FASTENERS AND COORDINATE WITH NEW WINDOW INSTALLATION

04 SPECIFICATIONS
HC-04 N.T.S.



05 BUILDING 9 (JAIL) - KEY PLANS
HC-04 1:200

REVISIONS

NO.	DATE	PARTICULAR
1	240531	PRE-TENDER REVIEW
2	240617	ISSUED FOR PERMIT APPLICATION

NOTES:

KEY PLAN:

CLIENT:
 MOON-MATZ LTD.
 2902 SOUTH SHERIDAN WAY, SUITE 300
 OAKVILLE, ON
 L6J 7L6

PROJECT:
 22298
 HERITAGE REPAIRS & JAIL WINDOW REPLACEMENT
 PAMA - PEEL MUSEUM AND ARCHIVES
 7 & 9 WELLINGTON ST E
 BRAMPTON, ON - L6W 1Y1

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