PROJECT NOTES

- ALL REPAIR WORK WILL BE COMPLETED IN ACCORDANCE TO THE GUIDELINES OUTLINED IN CURRENT PRACTICES IN THE CONSTRUCTION INDUSTRY, ALL NATIONAL, STATE, LOCAL BUILDING CODES, AND THE MOST RECENT SET OF CONSTRUCTION DOCUMENTS AND SPECIFICATIONS BY THE DESIGN TEAM. ALL REVISED SKETCHES AND ADDENDUMS ISSUES AFTER THE START OF REPAIR WORK WILL SUPERSEDE ALL PREVIOUS ARCHITECTURAL DETAILS.
- ALL ACCESSORY ITEMS ATTACHED TO THE BUILDING OR IN THE ADJACENT WORK AREA, INCLUDING BUT NOT LIMITED TO ELECTRICAL SERVICE, LIGHTING CONDUIT. PLUMBING OR OTHER ARE THE RESPONSIBILITY OF THE CONTRACTOR TO SAFE AND OR RELOCATE DURING CONSTRUCTION. REINSTALLATION WILL ALSO BE THE RESPONSIBILITY OF THE OWNER.
- BUILDING TYPE: MULTI WITHE STONE MASONRY.
- CONTRACTOR AND OR SUB-CONTRACTORS TO SUBMIT ALL MATERIALS USED FOR CONSTRUCTION WORK FOR APPROVAL PRIOR TO THE START OF WORK. ENSURE ALL MORTAR INGREDIENTS ARE FRESH WITH DOCUMENTED DATES OF MANUFACTURE SUBMITTED TO (BES) FOR APPROVAL. NO LIME OR CEMENT PRODUCTS INCLUDING PATCHING MORTAR SHALL BE OLDER THAN 6 MONTHS FROM TIME OF MANUFACTURING.
- MORTAR MIXTURES TO COMPLY WITH ASTM C1713-12.
 - PORTLAND CEMENT: ASTM 150, TYPE1, NON-STAINING GRAY OR WHITE CEMENT. WITHOUT AIR ENTRAINMENT AS REQUIRED TO MATCH ORIGINAL MORTAR. FLY ASH, SLAG AND POZZOLANS ARE NOT PERMITTED AS SUBSTITUTES FOR PORTLAND CEMENT.
 - HYDRATED LIME: ASTM C207, TYPE S, INCORPORATED AS A FINELY DIVIDED POWDER IN UNIFORM PARTICLE SIZE, FREE OF LUMPS, FLAKES OR OTHER INCONSISTENCIES.
- MORTAR AGGREGATE: ASTM C144, NATURAL SAND AGGREGATE TO BE SELECTED TO MATCH THE COLOR AND TEXTURE OF THE ORIGINAL MORTAR AGGREGATES AS CLOSELY AS POSSIBLE WHILE REMAINING IN COMPLIANCE WITH ASTM C144 GRADING AND SOUNDNESS
- MORTAR COLORS: INORGANIC MINERAL OXIDES MEETING THE REQUIREMENTS OF ASTM C797, AT LEVELS NOT TO EXCEED 10% ON CEMENT WEIGHT, EXCEPT FOR CARBON BLACK, WHICH MAY NOT EXCEED 2% ON CEMENT WEIGHT.
- WATER: POTABLE, FREE OF DELETERIOUS QUANTITIES OF MATERIALS WHICH MAY AFFECT MORTAR PERFORMANCE OR APPEARANCE.
- STORE ALL MASONRY MATERIAL AS PER THE RECOMMENDATIONS OF THE BRICK INDUSTRY ASSOCIATION AND THE MASONRY INSTITUTE OF AMERICA.
- COORDINATE ALL REPAIR ACTIVITIES AS PER THE MASTER CONSTRUCTION SCHEDULE, WITH OTHER SUB-TRADES, AND WITH OWNER TO MINIMIZE EXPOSURE TO PEDESTRIANS, VEHICLES, AND ADJACENT BUILDINGS.
- USE NECESSARY MEANS TO PROTECT ALL EXPOSED BUILDING AREAS FROM DAMAGE CAUSED BY WEATHER EVENTS OR OTHER ENVIRONMENTAL SITUATIONS DURING THE CONSTRUCTION PROCESS UNTIL THE REPAIR WORK IS DEEMED WEATHER-TIGHT. CONTRACTOR TO USE NECESSARY MEANS TO PROTECT ALL EXPOSED BUILDINGS AREAS, ADJACENT STRUCTURES, PEDESTRIANS, AND VEHICLES FROM DAMAGE CAUSED BY CONSTRUCTION RELATED ACTIVITIES DURING THE DURATION OF THE PROJECT. PROTECT ALL COMPLETED WORK UNTIL FINAL INSPECTION AND ACCEPTANCE BY THE DESIGN TEAM.
- INSPECT ALL WORK OUTLINED ON CONSTRUCTION DOCUMENTS PRIOR TO THE BEGINNING OF REPAIR EFFORTS. NOTIFY (BES'S) PROJECT MANAGER WITHIN 24 HOURS IF ADDITIONAL SCOPE ITEMS ARE UNCOVERED BEYOND • ALTERNATE 3 THE SCOPE OF THE CURRENT CONSTRUCTION DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ANY SHORING AND SUPPORTING ENGINEERING AND DESIGN FOR AREAS DESIGNATED "REBUILD". SHORING IS PART OF "MEANS AND METHODS" AND IS NOT THE RESPONSIBILITY OF THE ARCHITECT, CONSULTANTS OR BUILDING ENGINEER. CONTRACTOR MUST SUBMIT SHORING PLAN PRIOR TO COMMENCING WITH WORK.
- HOT AND COLD WEATHER MASONRY CONSTRUCTION AND QUALITY CONTROL REQUIRE SOME ADDITIONAL ATTENTION TO CONSTRUCTION PRACTICES AND PROTECTION. SEE STANDARDS SET FORTH BY THE BRICK INDUSTRY ASSOCIATION AND THE MASONRY INSTITUTE OF AMERICA.
- ALL JOINTS BETWEEN LIMESTONE SANDSTONE AND GRANITE TO BE BACKER ROAD AND SEALANT JOINTS.
- ALL SEALANT JOINTS MASONRY TO MASONRY TO BE SANDED TO MATCH MORTAR JOINTS.
- (BES) WILL PERFORM REGULAR INSPECTIONS OF THE RESTORATION WORK OVER THE DURATION OF THE PROJECT. THESE INSPECTIONS WILL BE ÔU ÞÙ CÓ ÒÜ ÒÖ ÁCE ÞÁ JOE VÁJ ØÁ/P ÒÁLÍ MÞÔP Æ CÓ VÁÐ ÙÚ ÒÔ VOU ÞÁ JÜU Ô ÒÙ Ù ÈCO ÒT Ù Ê WHICH DO NOT FOR CONFORM WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS, SPECIFICATIONS OR INDUSTRY STANDARDS WILL BE MARKED WITH FLORESCENT MARKER WITH INSTRUCTIONS GUIDING THE CONTRACTOR WHAT TO CORRECT. AS CORRECTIONS ARE COMPLETED, (BES) WILL INSPECT AGAIN AND REMOVE THE TAPE IF SATISFIED. ONLY BUILDING ENVELOPE SPECIALISTS OR AN AGENT OF IS AUTHORIZED TO REMOVE THE FLORESCENT MARKER.
- ALL EXTERIOR SCAFFOLD ATTACHMENT IS TO BE IN MORTAR JOINTS. THE REMAINING HOLES LEFT AFTER THE SCAFFOLD COMES DOWN MUST BE GROUND OUT 4" WIDE ALONG THE JOINT AND FILLED BY THE MASON ONLY.
- EACH ELEVATION OF THE BUILDING IS TO HAVE A PREWASH DONE WITH ONERESTORE. THIS MUST BE DONE PRIOR TO ANY MOCKUPS. A FINAL WASH MUST ALSO BE DONE ON EACH ELEVATION USING PROSOCO SURE-KLEAN 600 MASONRY WASH WITH A STARTING MIX OF 14:1 AND NO GREATER THAN A 10:1 MIX - ACID BURNED MASONRY JOINTS WILL BE RAKED OUT AND REPOINTED IN ALL CASES
- FRONT STAIR HAND RAIL RESTORATION SCRAPE SAND AND PREP IN PLACE, REPAIR AND DAMAGE AND REPAINT GLOSS BLACK.
- AREAS AND QUANTITIES INDICATED ON BID DOCUMENTS ARE APPROXIMATES. MASONRY CONTRACTOR SHALL CARRY QUANTITIES AND SQUARE FOOTAGE SUFFICIENT TO COMPLETE THE INDICATED TASK.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ITEMS ON THE BUILDING THAT MAY INTERFERE WITH THE WORK PROPOSED IN THESE DRAWINGS. ITEMS NOT SHOWN ON THE DRAWINGS THAT MUST BE REMOVED OR ALTERED EVEN IN A TEMPORARY FASHION MUST BE ACCOUNTED FOR PRIOR TO THE START OF WORK. IF YOU ARE UNSURE OF A CERTAIN SITUATION PLEASE CONTACT BES BEFORE PROCEEDING. FAILURE TO VISIT THE BUILDING IN PERSON AND VERIFY ITEMS THAT MAY IMPEDE WORK WILL NOT BE REASON FOR A COST ADD AT A LATER DATE.
- PLEASE ASK QUESTIONS. BUILDING ENVELOPE SPECIALISTS IS ALWAYS WILLING TO PROVIDE CLARIFICATION TO THESE DOCUMENTS AS NEEDED WITHIN REASON. PLEASE SUBMIT ALL QUESTIONS IN WRITING IN THE FORM OF A "REQUEST FOR INFORMATION" (RFI).
- CONTRACTOR IS REQUIRED TO SUBMIT FOR ALL PRODUCTS USED FOR THIS JOB - ALL PRODUCT SUBMITTALS MUST HAVE A COVER SHEET INDICATING THAT IT IS A SUBMITTAL AND ALL THE PERTINENT DATA NEEDED TO BE EVALUATED. SUBMITTALS WILL HAVE A MINIMUM OF ONE WEEK FOR REVIEW.
- A SUBSTITUTION IS NOT A SUBMITTAL. A SUBSTITUTION REQUEST MUST HAVE A COVER SHEET INDICATING IT IS A "REQUEST FOR SUBSTITUTION" ALL PERTINENT DATA FOR THE SUBSTITUTED PRODUCT **AND** THE SPECIFIED PRODUCT MUST BE PART OF THE REQUEST. A REQUEST MADE WITHOUT ALL THE INFORMATION INDICATED WILL BE REJECTED. REQUESTS FOR SUBSTITUTION WILL HAVE A MINIMUM OF TWO WEEKS FOR REVIEW.
- ALL DAMAGE TO GROUNDS SURROUNDING THE PROJECT MUST BE RESTORED TO ORIGINAL CONDITION OR BETTER WHEN SITE IS DEMOBILIZED, THIS MAY INCLUDE BUT IS NOT LIMITED TO GRASS, GARDENS, SHRUBS AND GARDENS, DAMAGED PAVEMENT FENCES OR OTHER HARD-SCAPE ITEMS.

MORTAR MIX

TYPE "N" POINTING MORTAR RECIPE: 1 PART PORTLAND CEMENT 1 PART HYDRATED LIME 6 PARTS SHARP SAND

PRODUCTS USED IN THIS PROJECT

- PROPORTIONALLY MIXED TYPE "N" MORTAR NOT BAG
- 2. TEMPORARY SHORING ENGINEERED PLAN (IF APPLICABLE)
- SEALANT TREMCO DYMONC 240FC (SINGLE PART) BACKER ROD - SANDELL
- 5. EPOXY HILTI HIT-HY 200, USED TO SECURE S.S. PINS SHALL
- 6. EPOXY AKEPOX 1004 BY AKEMI, USED TO SECURE
- FRACTURED MASONRY
- 7. PREWASH ONERESTORE MASONRY CLEANER 8. FINAL WASH - KLEAN 600 FINAL MASONRY WASH WITH A
- STARTING WASH OF 14:1 AND NO GREATER THAN A 10:1 9. MASONRY PATCH - GRANITE - JAHN M160 BY CATHERDRAL
- STONE PRODUCTS 10. RUST STAIN REMOVER - MasonRE BY CATHEDRAL STONE
- PRODUCTS
- 11. WALL TIES AND CRACK STITCHING 4 AND 6MM HELIFIX STAINLESS STEEL TIE SYSTEM.
- 12. LEAD JOINT CAP WEATHER CAP LEAD STONE FLASHING
- 13. 2-1/4" STONE PAVER

REQUIRED MOCKUPS

CONTRACTOR TO PROVIDE MATERIAL MOCK-UP'S AND SAMPLES OF EACH FOR THE FOLLOWING ITEMS, APPROVAL FROM THE ARCHITECT AND BES IS REQUIRED BEFORE PROCEEDING WITH WORK:

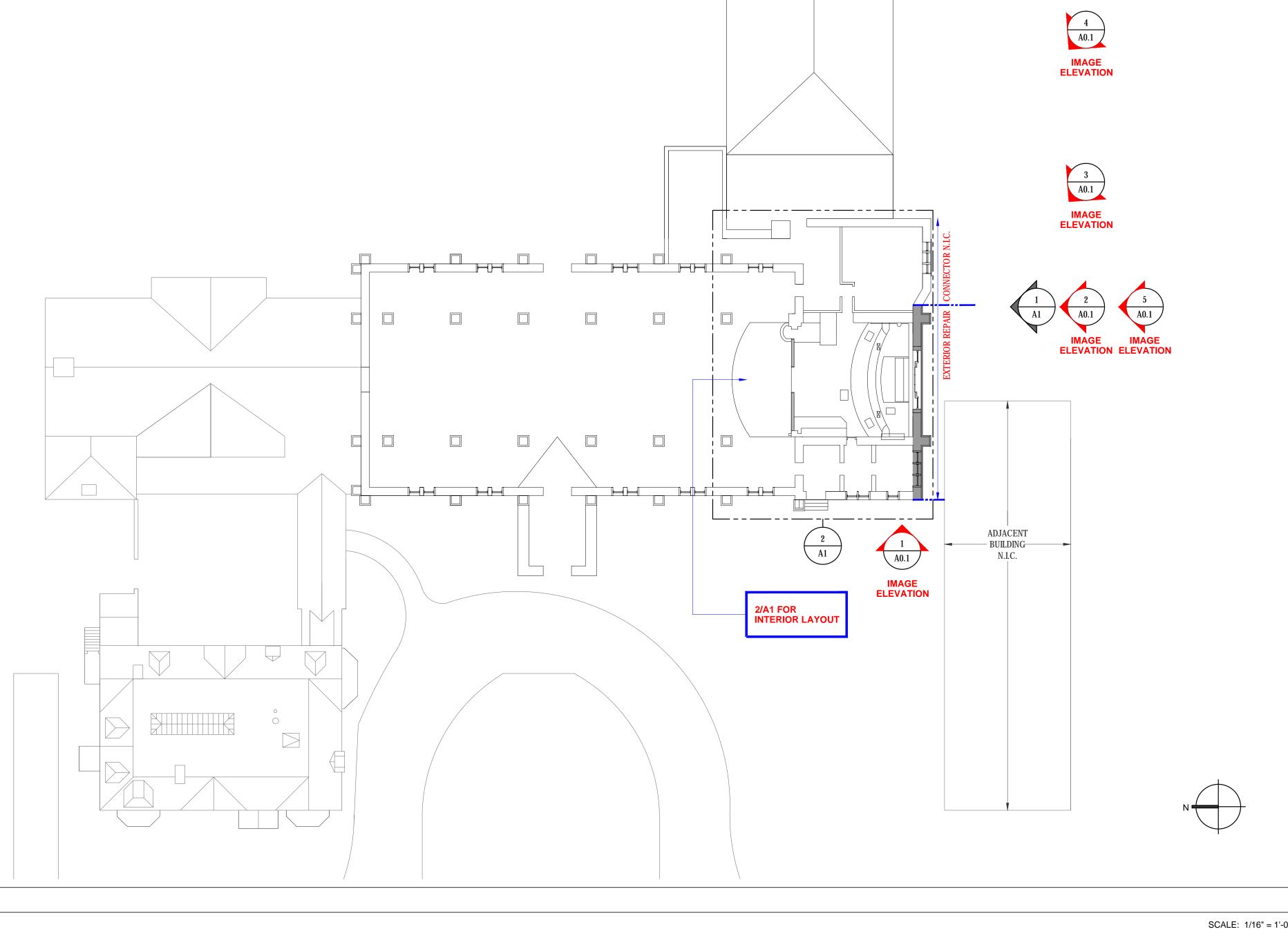
- POINTING MORTAR AND JOINT PROFILE 2'X2' ON THE BUILDING
- SEALANT 2 LINEAR FEET PROVIDE PULL TEST RESULTS SUBMITTAL PRIOR TO WORK.
- MASONRY FINAL WASH GRANITE PATCH AND REPAIR
- BRICK PATCH

UNIT PRICING

CONTRACTOR TO PROVIDE MATERIAL UNIT PRICING FOR THE ITEMS LISTED BELOW AS PART OF THE BID FOR THE JOB:

BRICK REPLACEMENT

- ALTERNATE 1 -ALTERNATE 2



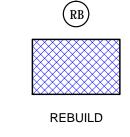


RAKE OUT AND REPOINT

RAKE OUT & RE-POINT: RAKE OUT ALL JOINTS TO A MINIMUM ÖÒÚVPÁJØÁF+ÁNÞŠÒÙÙÁJVPÒÜY QÌÒ NOTED. RE-POINT JOINTS IN MASONRY WITH A PROPORTIONALLY MIXED BY VOLUME POINTING MORTAR. DO NOT LET HARDEN ON THE SURFACE OF MASONRY. MORTAR MUST CURE A MINIMUM OF 7 TO 14 DAYS PRIOR TO FINAL WASHING. WASH MASONRY WITH SPECIFIED PRODUCT LISTED IN THESE DOCUMENTS. ADDITIONAL WASHES MAY BE NECESSARY TO OBTAIN THE DESIRED

POINTING MORTAR RECIPE AS NOTES ON SHEET A0

APPEARANCE.



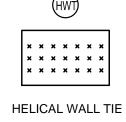
REBUILD: REMOVE AND REBUILD INDICATED MASONRY 1 WYTHE DEEP (UON). REBUILD USING EXISTING MATERIALS IF POSSIBLE, OTHER WISE, MATCH EXISTING MATERIALS. REASSEMBLE TO MATCH ORIGINAL CONFIGURATION AT ALL LOCATIONS. LAY NEW MASONRY VENEER TRUE AND PLUMB WITH PROPORTIONALLY MIXED MORTAR TO MATCH EXISTING IN COLOR, POINTING PROFILE AND SAND SELECTION. REMOVE RESIDUAL MORTAR FROM ADJACENT MATERIAL IMMEDIATELY. DO NOT LET HARDEN ON MASONRY FACE. MORTAR MUST CURE FOR AT LEAST 14 TO 30 DAYS PRIOR TO FINAL WASH (CURING TIME MAY VARY DEPENDING ON WEATHER CONDITIONS). WASH

NECESSARY TO OBTAIN THE DESIRED APPEARANCE. IN ALL AREAS MARKED AS REBUILD INSTALL 6MM HELICAL WALL TIES AS PER THE DETAILS IN THIS DRAWING SET. FINAL POINTING OF THE ARE WILL ALSO BE REQUIRED

MASONRY WITH SPECIFIED PRODUCT

LISTED IN THESE DOCUMENTS.

ADDITIONAL WASHES MAY BE



HELICAL WALL TIES: INSTALL IN AREAS INDICATED 6MM HELICAL WALL TIES BY HELIFIX CORP. THRU THE FACE BRICK MORTAR JOINTS INTO THE BACKUP MATERIAL AS INDICATED IN THE DRAWINGS AND DETAILS, ALSO REFERENCE THE MANUFACTURER'S SPECIFICATION FOR DEPTH OF PENETRATION NTO BACK UP AND DEPTH OF HELICAL WALL TIE **HEAD BEHIND MORTAR**

JOINT. AREAS WHERE

WALL TIES ARE

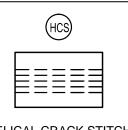
INDICATES.

INSTALLED, THE ENTIRE

FIELD IS TO BE RAKED

OUT AND REPOINTED AS

THE ABOVE "RR" NOTE



HELICAL CRACK STITCH

HELICAL CRACK STITCH: INSTALL 4MM S.S. HELICAL ANCHORS BY HELIFIX CORP. AS PER MANUFACTURES RECOMMENDATIONS. THE DIGIT IN THE KEYNOTE SYMBOL REPRESENTS THE NUMBER OF STITCHING ANCHORS RECOMMENDED WITHIN THE DEFINED AREA OF REPAIR. PLACE

STITCHING AS INDICATED IN

THE DRAWINGS AND

DETAILS.

SPECIFICATIONS CONTRACTOR WILL COORDINATE A PULL TEST APPROVAL WITH SFALANT MANUFACTURER'S REP FOR WARRANTY PURPOSES AND SUBMIT A COPY TO BES. ALL SEALANT JOINTS TO BE SANDED TO MATCH MORTAR.

SEALANT: -INSTALL

FOAM BACKER ROD AS

RE-POINTING, INSTALL

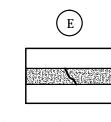
NEW CLOSED CELL

REQUIRED AFTER

SEALANT PER THE

MANUFACTURERS

DETAILS AND



LOADING, CONTACT

BUILDING ENVELOPE

ADDITIONAL REPAIR

MEASURES. IF SECTION OF

STONE IS LOOSE, REMOVE,

CLEAN, AND EPOXY IN

ORIGINAL LOCATION

SPECIALISTS FOR

BACKER ROD AND SEALANT | EPOXY CRACK IN MASONRY

EPOXY: CONTRACTOR WILL APPLY THE 2-PART EPOXY RESIN TO REPAIR MASONRY ELEMENTS. IF MATERIAL IS FRACTURED INTO LOOSE PIECES, DRILL ŒÞÖÁÐÚUÝŸÁHÐFĨ +ÁÛÈÜÈ THREADED ANCHORING PINS INTO ELEMENTS AS PART OF THE REPAIR. IF THE CAUSE OF CRACKING IS DUE TO STRUCTURAL

PATCH: REMOVE LOOSE, SCALING OR SPALLING MASONRY PATCH WITH PRODUCT INDICATED IN THIS DRAWING SET SPECIFIC TO THE MATERIAL BEING PATCHED.

P

PATCH MASONRY

WEATHER CAP

WEATHER CAP -INSTALL WEATHERCAP LEAD STONE FLASHING STRIPS IN ALL LOCATIONS LOCATION WHERE TEE'S ARE INDICATED ON DRAWINGS,. USE SIZE OF STRIPS AS

ANTICIPATED. IN ALL

LOCATIONS WHERE

THERE IS A LUG AS

PART OF THE MASONRY

LAP UP AND OVER THE

TOP OF THE LUG.

THE WEATHERCAP WILL

COMPLETION OF REPAIR A FINAL WASH MUST ALSO BE DONE WITH THE SPECIFIED PRODUCT BELOW. PROTECT ALL NON BRICK MASONRY AREAS FROM CLEANING RECOMMENDED BY SOLUTION. WHEN CLEANING BE MANUFACTURER AND SURE TO WASH ALL MASONRY COMPATIBLE WITH RETURNS AT WALLS AND STYLE AND WINDOW / DOOR OPENINGS AS **CONFIGURATION OF** WELL AS ALL SIDES OF EXISTING. STRIPS SHOULD BE OF SUFFICIENT SIZE TO COVER THE SEALANT JOINT WIDTH, PLUS A PERCENTAGE ALLOWANCE FOR

MASONRY AND MORTAR

PRODUCT BELOW, AFTER

JOINTS WITH SPECIFIED

CLEAN PRE-WASH ALL THE

REPLACE MASONRY UNITS REPLACE MASONRY UNITS

REMOVE THE BROKEN SPALLED OR DAMAGED MASONRY UNITS AND REPLACE WITH MATCHING

CONSTRUCTION

DOCUMENTS

DOUGLASS

O

+

Ros

DIN

RIO

AS NOTED PROJECT NUMBER : 045-12

SCALE: 1/16" = 1'-0"

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