

2700 Coral Ridge Ave  
Coralville, IA 52241

## CERTIFICATIONS

ARCHITECTURAL	
A101	FACILITY MAP
A102	FLOOR PLANS
A103	STOOP AND CONCRETE SPECS
A600	DOOR INFORMATION
A601	DETAILS

I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.

3/22/2019

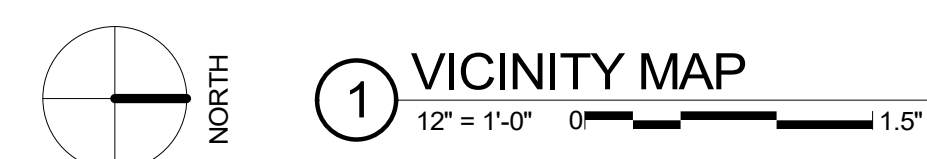
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PRINTED OR TYPED NAME Richard C. Cleaveland

LICENSE NUMBER 06537

MY LICENSE RENEWAL DATE IS JUNE 30, 2020

PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL:  
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**IOWA DEPARTMENT OF  
ADMINISTRATIVE SERVICES**  
109 SE 13TH STREET  
DES MOINES, IA 50319

## IMCC DOOR REPLACEMENT

2700 Coral Ridge Ave  
Coralville, IA 52241

## CONSTRUCTION

US/13/2019  
PROJECT NO: 4186070  
CLIENT NO: RFB0919335107

G000

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## GENERAL PROJECT REQUIREMENTS

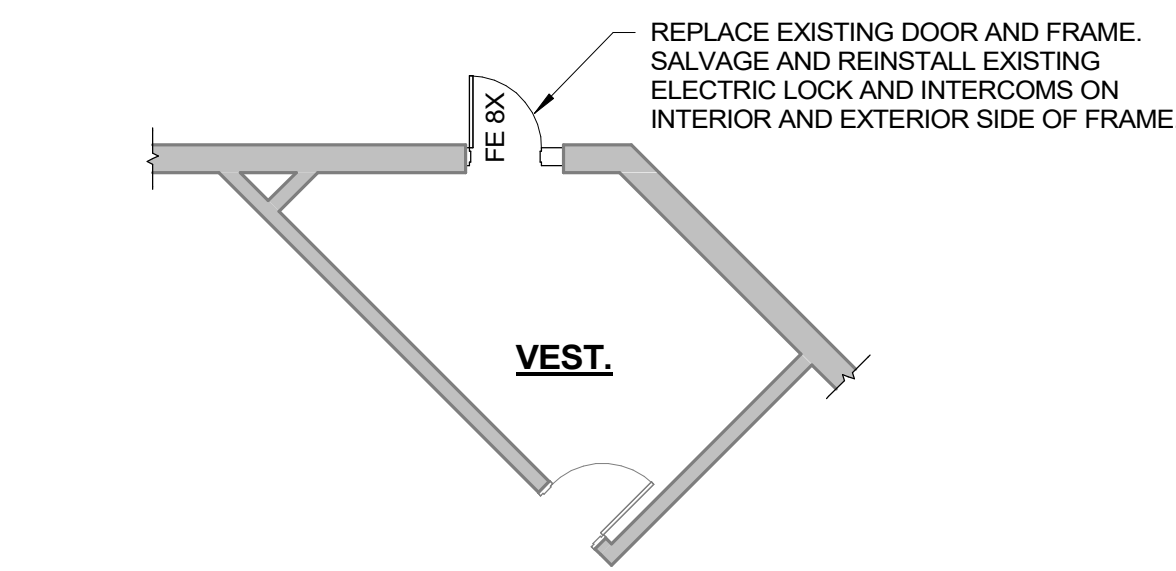
1. ANY DAMAGE TO AREAS INSIDE OR OUTSIDE OF THE PROJECT AREA SHALL BE REPAIRED TO THE STATUS PRIOR TO CONSTRUCTION AT NO COST TO OWNER. PATCH AND RESTORE FINISHES OF SURFACES ADJACENT TO EXISTING DOORS DAMAGED BY DEMOLITION AND INSTALLATION ACTIVITIES.
2. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR ALL CUTTING, SUPPORTING, AND PATCHING IF NOT COVERED BY A SPECIFIC TRADE.
3. IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, COMPLY WITH THE MOST STRINGENT REQUIREMENT. REFER UNCERTAINTIES AND REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, TO ARCHITECT FOR A DECISION BEFORE PROCEEDING.
4. THE INDICATION OF TYPE AND LOCATION OF EXISTING CONDITIONS AND MATERIALS IN THE DRAWINGS IS NOT INTENDED AS EXACT DOCUMENTATION OF IN-PLACE CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS BEFORE SUBMISSION OF BIDS. EXISTING CONDITIONS VARYING FROM THOSE SHOWN IN THE DRAWINGS WILL NOT BE JUSTIFICATION FOR ADDITIONAL ALLOWANCE TO THE CONTRACTOR. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONDITIONS CONFLICT WITH THE DRAWINGS.
5. ALL CODE-REQUIRED LABELS SUCH AS "UL", "FACTORY MUTUAL", OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, NAME, OR NOMENCLATURE PLATES SHALL REMAIN READABLE AND NOT PAINTED OR COVERED BY OTHER CONSTRUCTION.
6. DO NOT SCALE DRAWINGS; DIMENSIONS GOVERN LOCATION OF BUILDING ELEMENTS. IF DIMENSIONS ARE NOT AVAILABLE, CONTACT THE ARCHITECT.
7. WHEN DIMENSIONS ON SMALL SCALE DRAWINGS CONFLICT WITH THOSE ON LARGE SCALE DRAWINGS, THE LARGE SCALE DRAWINGS GOVERN.



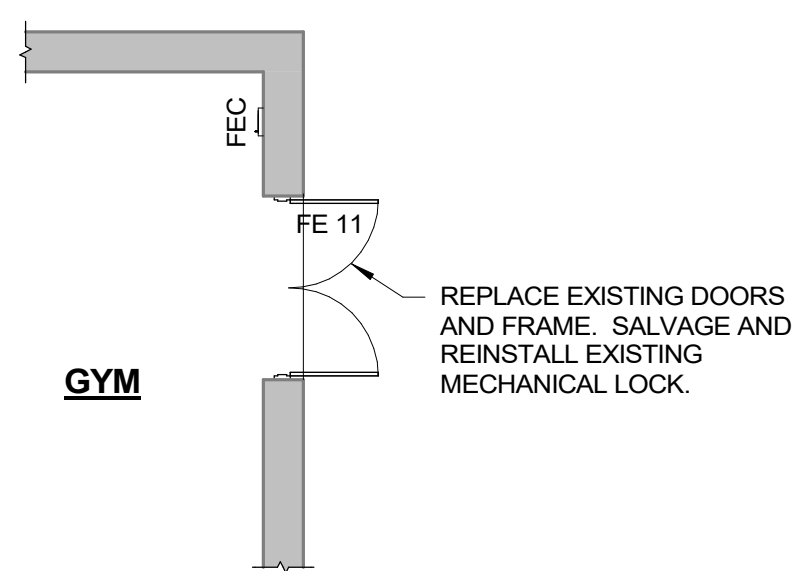


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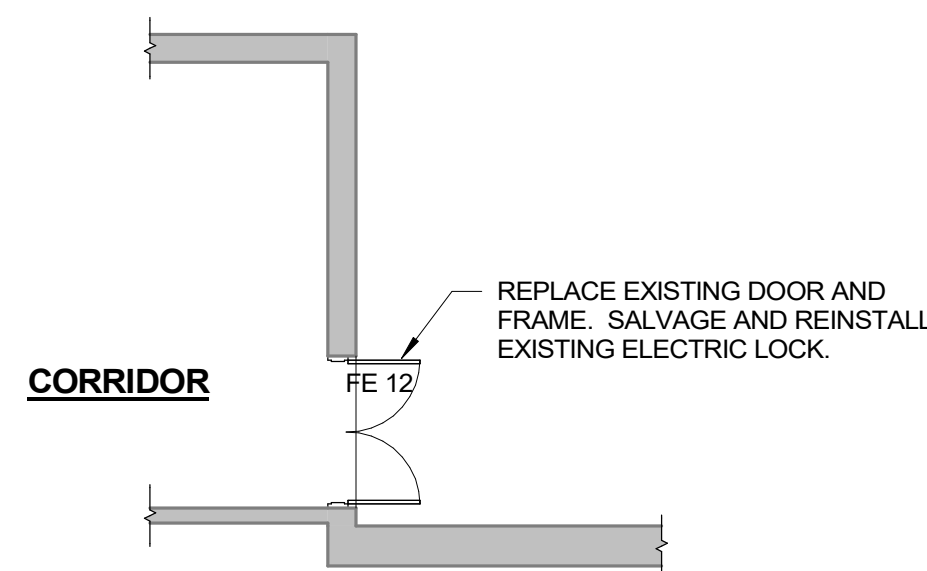
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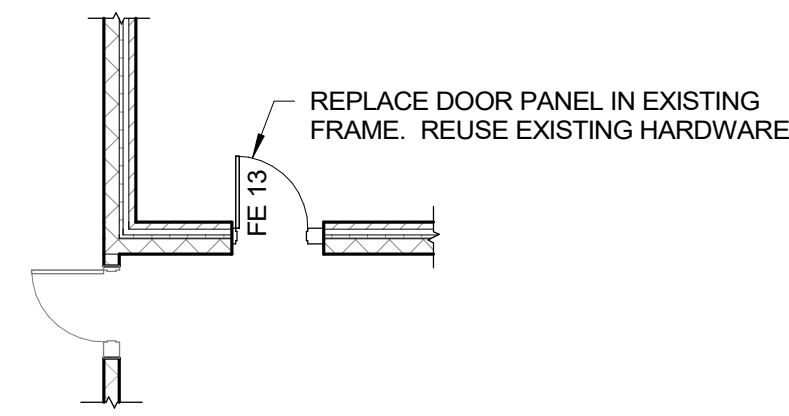
**A1** DOOR 8X - BLDG. C  
1/8" = 1'-0" 0' 12'



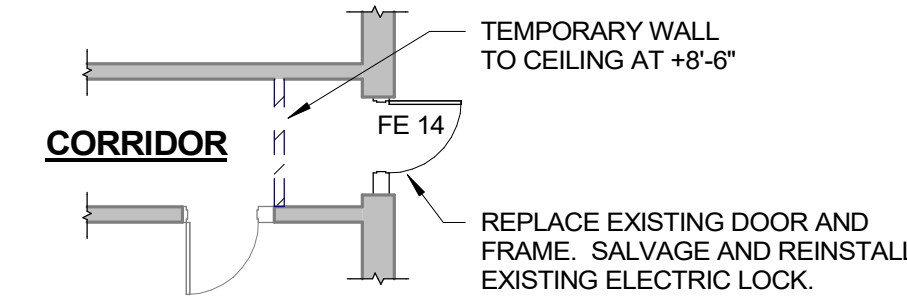
**B1** DOOR 11 - BLDG. B  
1/8" = 1'-0" 0' 12'



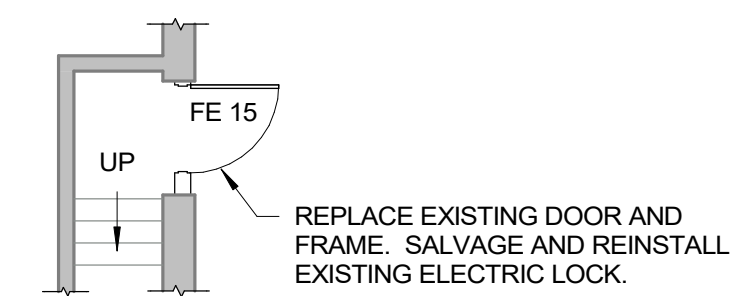
**C1** DOOR 12 - BLDG. B  
1/8" = 1'-0" 0' 12'



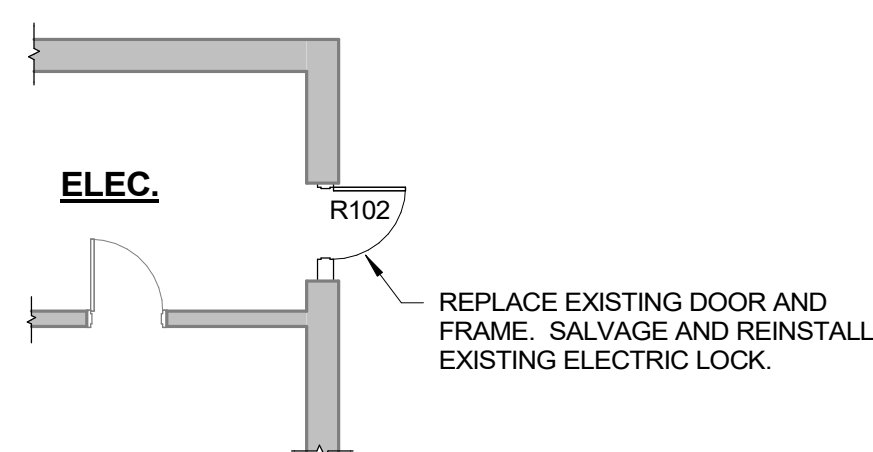
BID ALTERNATE #1  
**D1** DOOR 13 - BLDG. B  
1/8" = 1'-0" 0' 12'



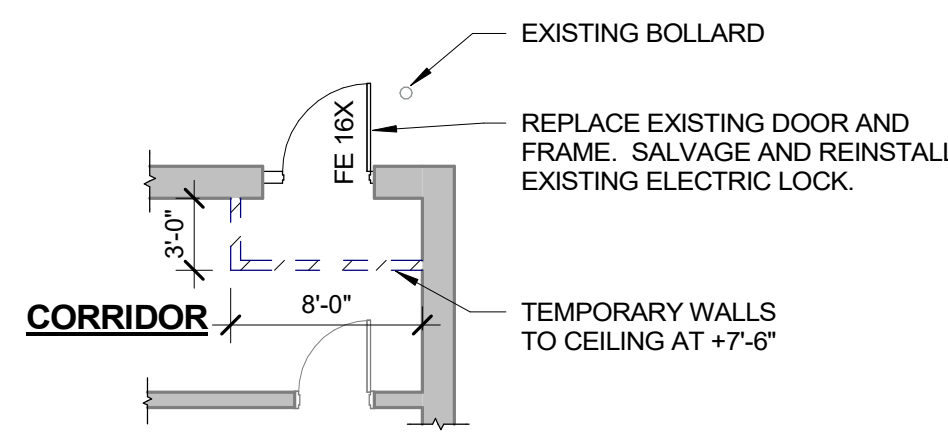
**E1** DOOR 14 - BLDG. D  
1/8" = 1'-0" 0' 12'



**F1** DOOR 15 - BLDG. D  
1/8" = 1'-0" 0' 12'



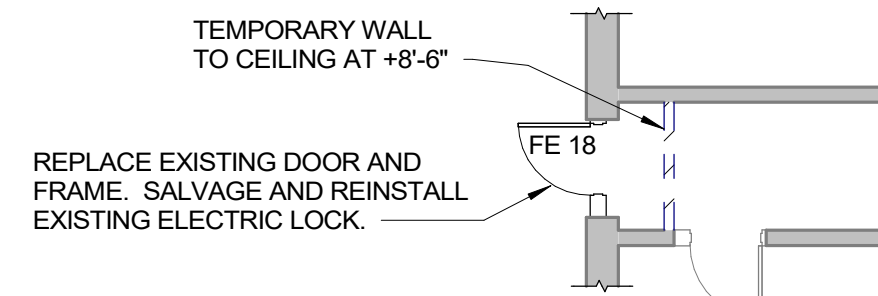
**A2** DOOR R102 - BLDG. D  
1/8" = 1'-0" 0' 12'



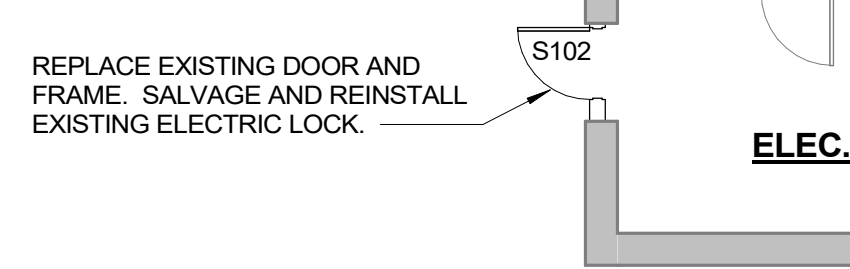
**B2** DOOR 16X - BLDG. D  
1/8" = 1'-0" 0' 12'



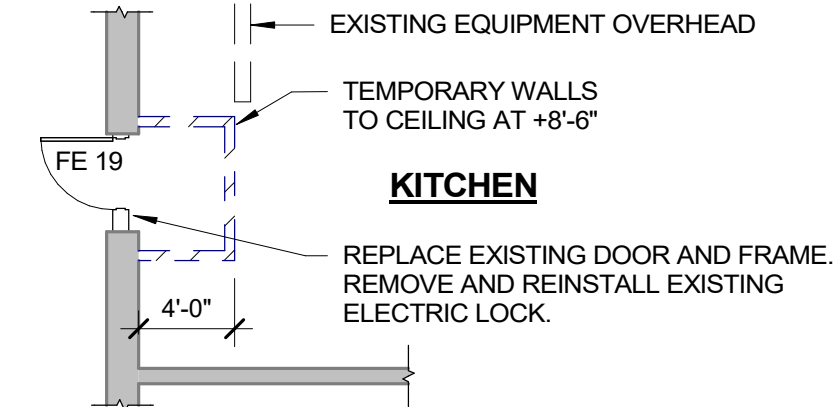
**C2** DOOR 17 - BLDG. D  
1/8" = 1'-0" 0' 12'



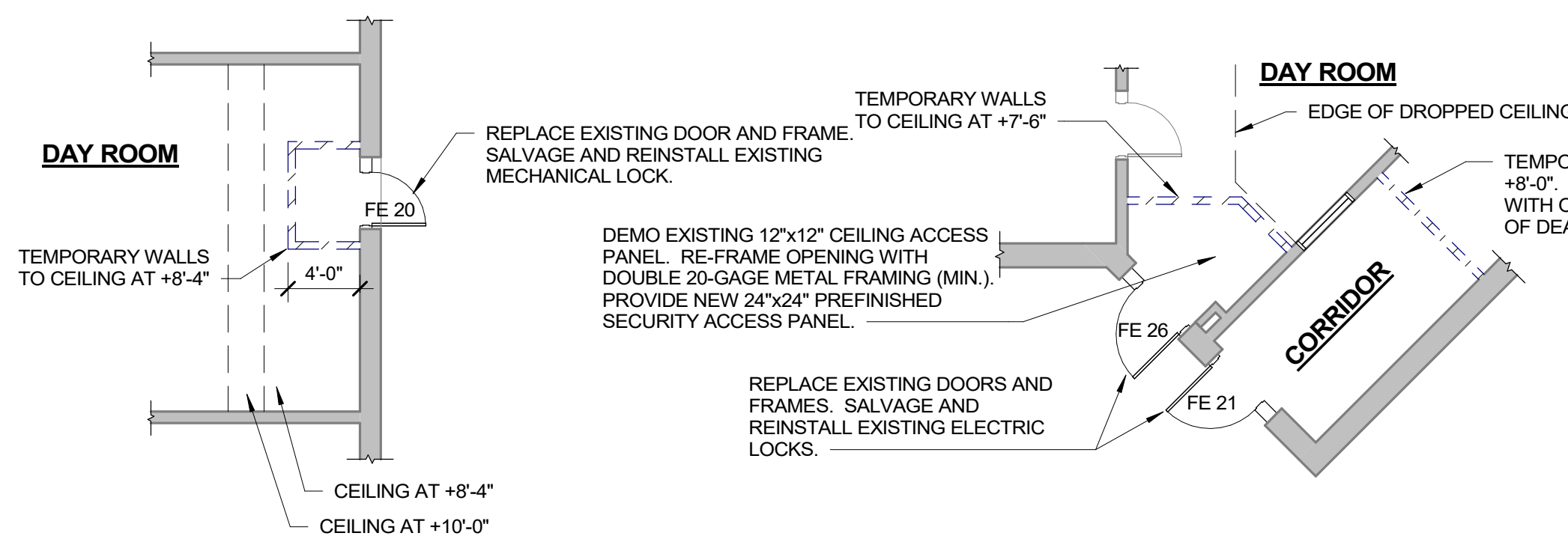
**D2** DOOR 18 - BLDG. D  
1/8" = 1'-0" 0' 12'



**E2** DOOR S102 - BLDG. D  
1/8" = 1'-0" 0' 12'

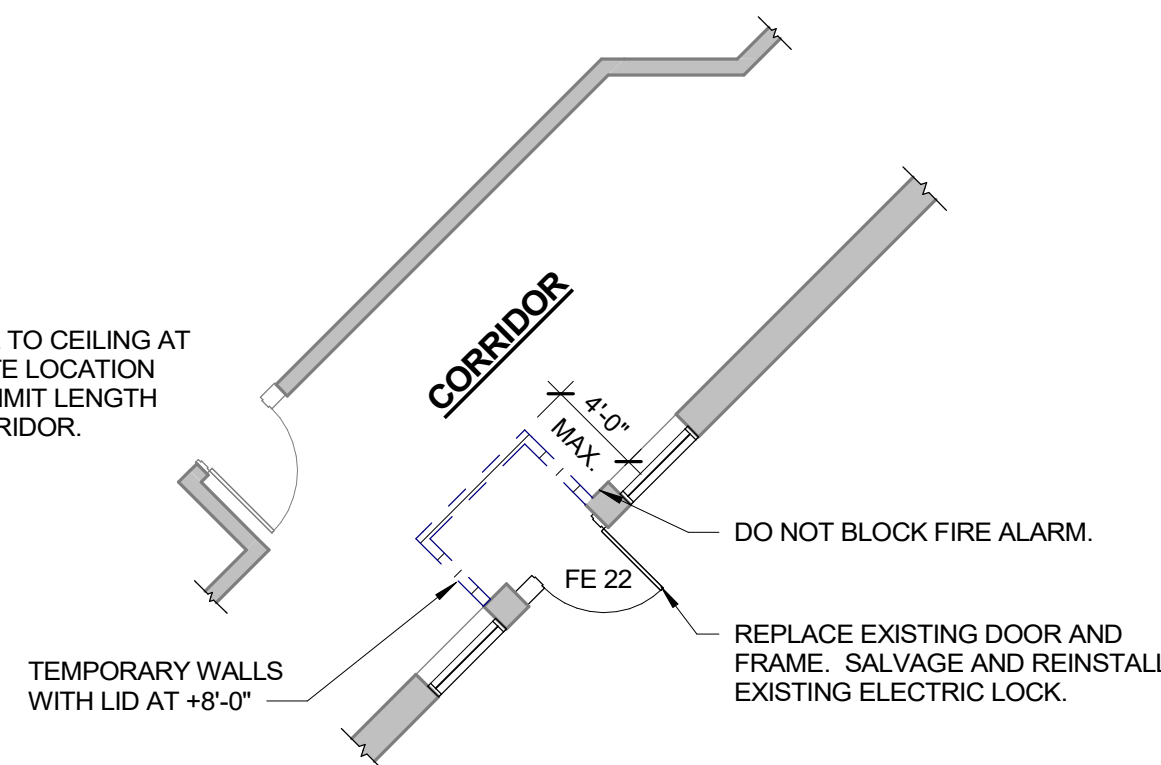


**F2** DOOR 19 - BLDG. B  
1/8" = 1'-0" 0' 12'

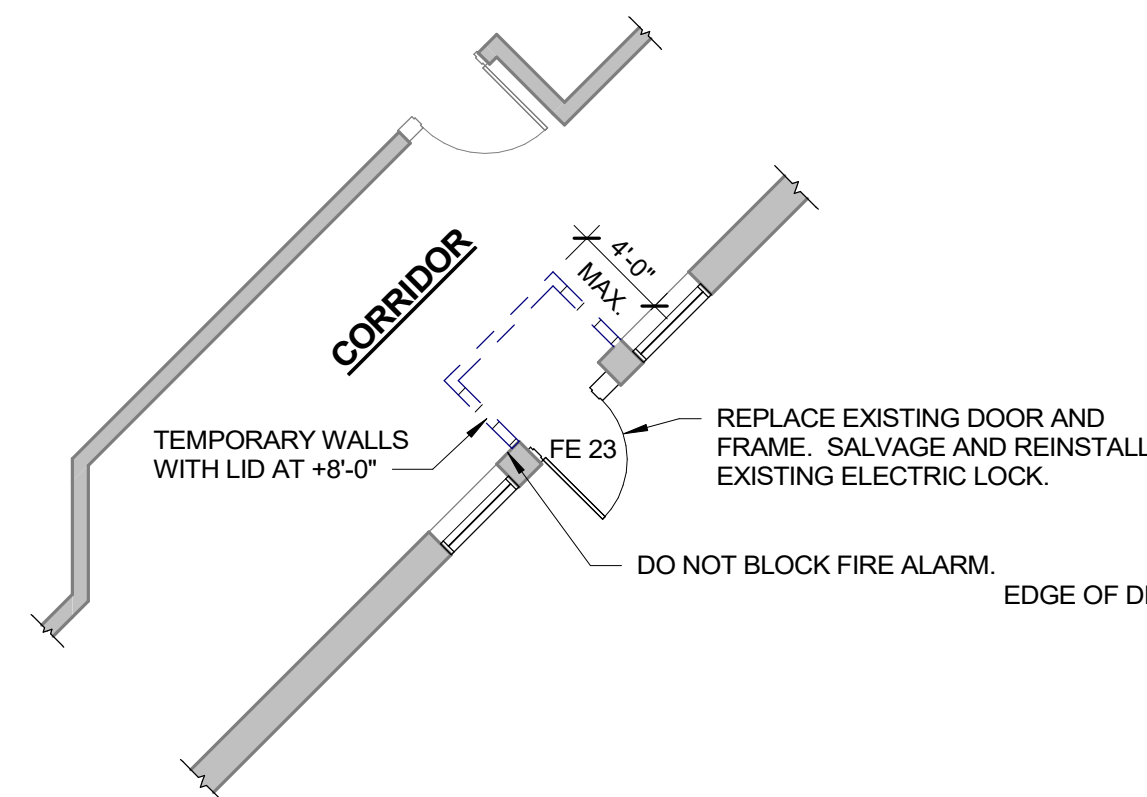


**A3** DOOR 20 - BLDG. F  
1/8" = 1'-0" 0' 12'

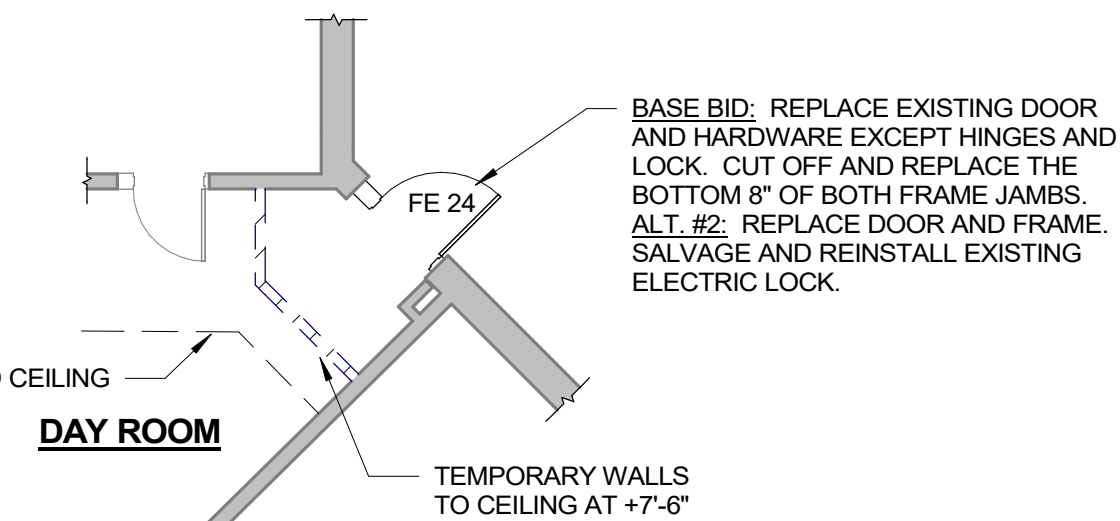
**B3** DOORS 21 AND 26 - BLDG. E  
1/8" = 1'-0" 0' 12'



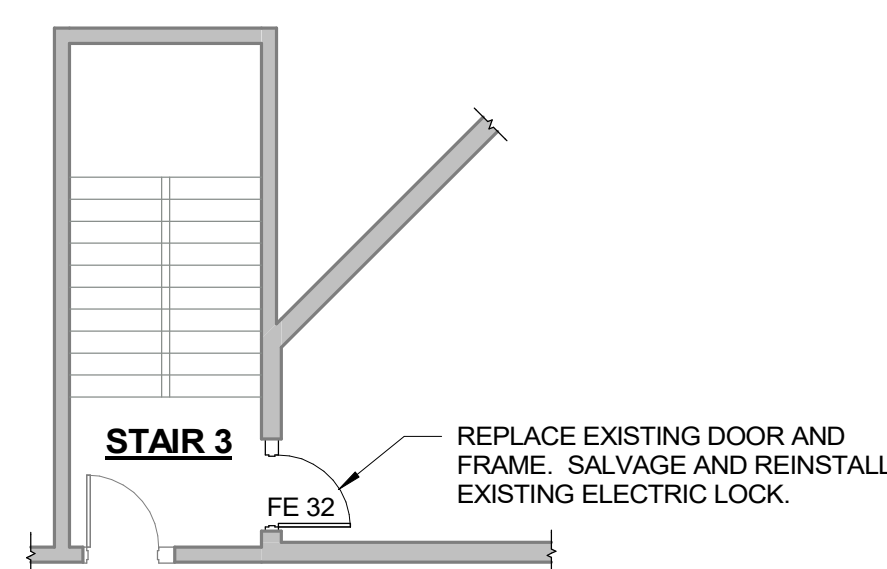
**C3** DOOR 22 - BLDG. E  
1/8" = 1'-0" 0' 12'



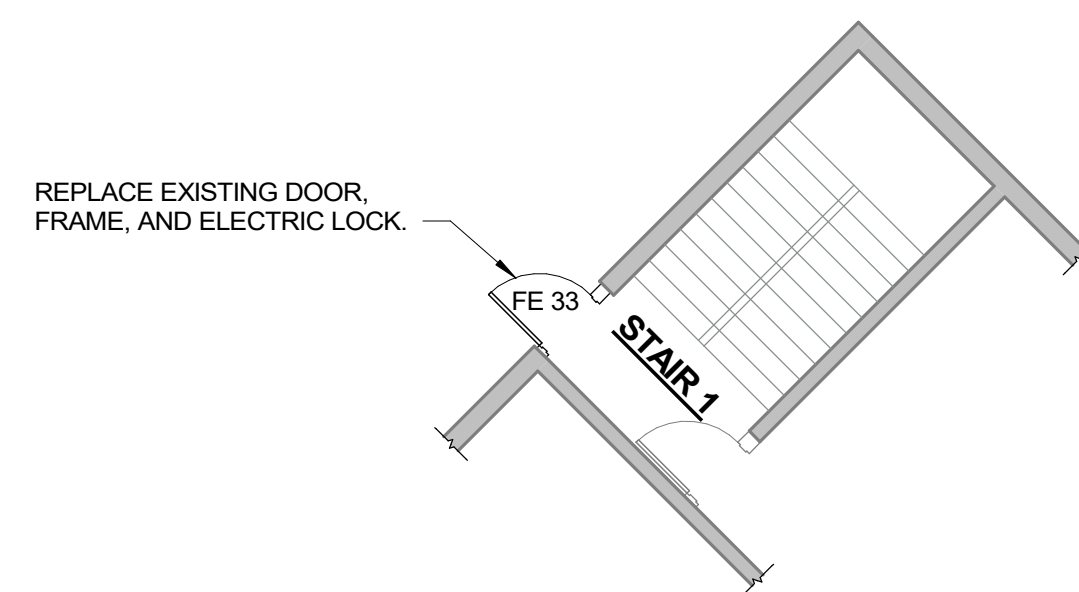
**D3** DOOR 23 - BLDG. E  
1/8" = 1'-0" 0' 12'



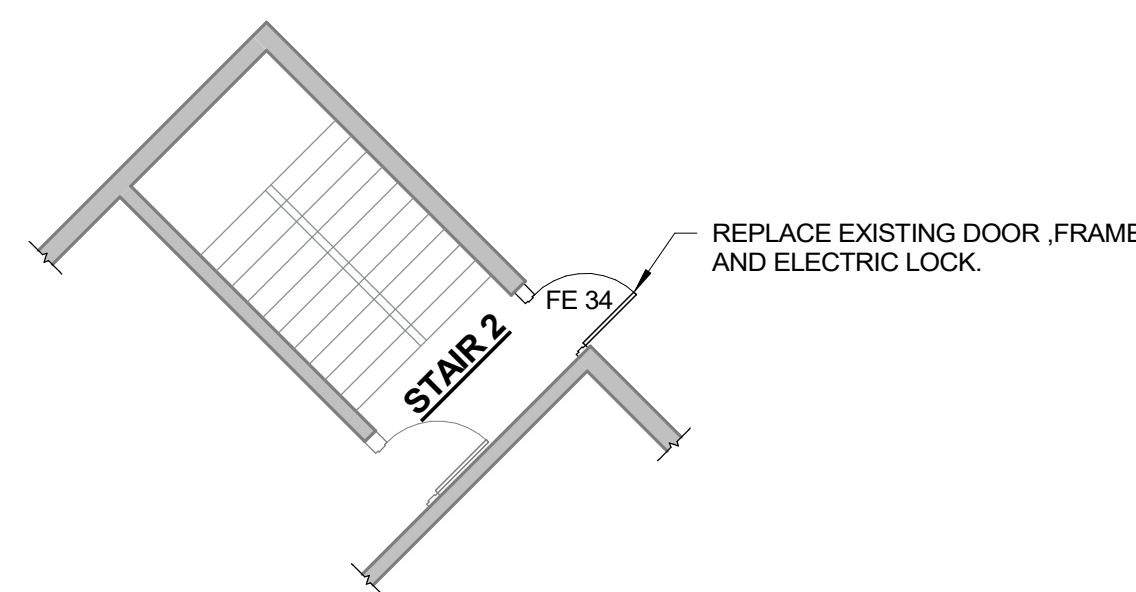
BASE BID AND BID ALTERNATE #2  
**E3** DOOR 24 - BLDG. E  
1/8" = 1'-0" 0' 12'



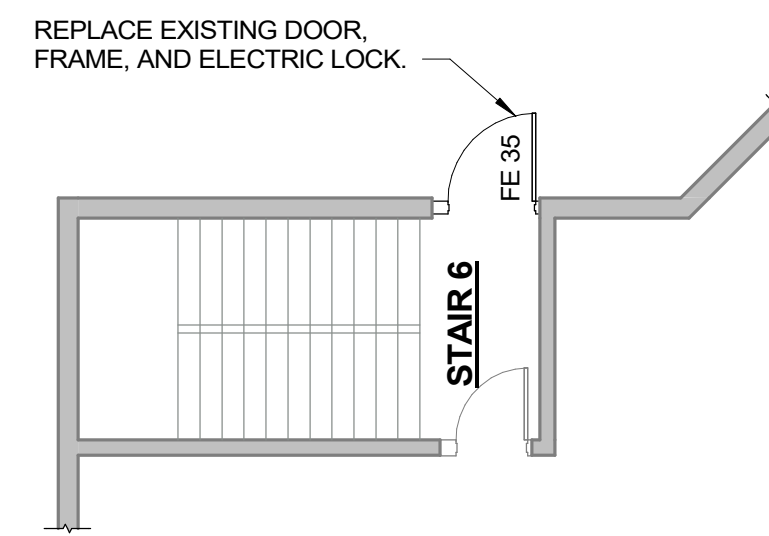
**A4** DOOR 32 - BLDG. G  
1/8" = 1'-0" 0' 12'



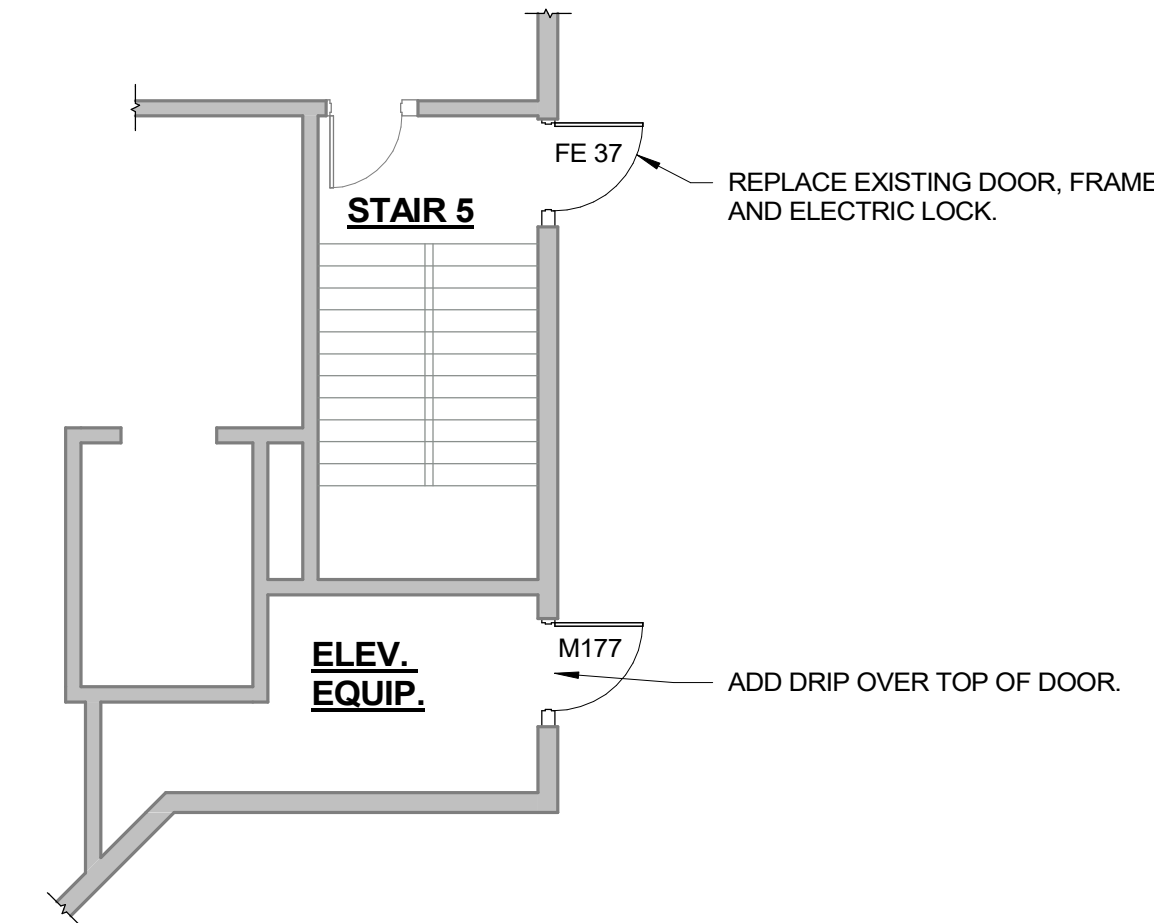
**B4** DOOR 33 - BLDG. G  
1/8" = 1'-0" 0' 12'



**C4** DOOR 34 - BLDG. G  
1/8" = 1'-0" 0' 12'



**D4** DOOR 35 - BLDG. G  
1/8" = 1'-0" 0' 12'



**E4** DOORS 37 AND M177 - BLDG. G  
1/8" = 1'-0" 0' 12'

## IMCC DOOR REPLACEMENT

## FLOOR PLANS

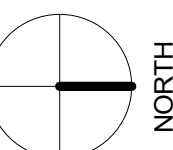
DRAWN: RCC  
APPROVED: RCC  
ISSUED FOR CONSTRUCTION  
DATE: 03/13/2019  
PROJECT NO: 1188070  
FIELD BOOK:

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES  
2700 Coral Ridge Ave  
Coralville, IA 52241

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A102





④ STOOP AND PAVING AT DOOR 30

F

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to the structural components of this project. If applicable, it includes Requirements for Seismic Resistance and/or Requirements for Wind Resistance. This Statement of Special Inspections Encompasses the following disciplines:

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge. A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and corrections of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy. Job site safety and means and methods of construction are solely the responsibility of the Contractor.

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designations shall appear below the Agent on the Schedule.

PE/SE	Structural Engineer - A licensed SE or PE specializing in the design of building structure
PE/GE	Geotechnical Engineer - A licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training - A graduate engineer who has passed the Fundamentals of Engineering examination

ACI-CFTT	Concrete Field Testing Technician - Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician - Grade 1 & 2
ACI-STT	Strength Testing Technician

AWS-CWI Certified Welding Inspector  
AWS/AISC-SSI Certified Structural Steel Inspector

## ICC-RCSI Reinforced Concrete Special Inspector

NICET-CT Concrete Technician - Levels I, II, III, & IV  
NICET-ST Soils Technician - Levels I, II, III & IV  
NICET-GET Geotechnical Engineering Technician - L

1. The Contractor is responsible for scheduling a pre-construction meeting (scheduled at least 5 business days before start of construction). Meeting should include all responsible parties (A/E, S/Is, Field Inspector). Meeting is for entire project, not phase of work.
2. Pre-construction meeting is to be conducted by the contractor with meeting minutes to be taken and distributed to all members attending. Meeting minutes to include a sign-in sheet for all parties.
3. The contractor is responsible for scheduling inspections and tests. Sufficient notice and lead time must be allowed for the inspection and testing to be performed without impeding construction operations.
4. The contractor must cooperate with the inspections and testing agencies. Safe access must be provided to all inspection and test to be performed. This may require the contractor to provide scaffolding, ladders or lifts.
5. When deficiencies are identified, the contractor must take corrective actions to comply with the contract documents or remedy the deficiencies as directed by the registered design professional.
6. The special inspection and quality assurance program does not relieve the contractor of his or her responsibility to perform quality control.
7. The contractor is responsible for testing services that are required for material submittals and that not part of the special inspections program (e.g. aggregate tests, concrete mix designs, testing of controlled fill, materials, etc.).

CONCRETE CONSTRUCTION	SERVICE	EXTENT	AGENT
1. Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported of chairs or bolsters.	Field Inspection	Periodic	ACI-CCI ICC-RCSI
2. Reinforcing steel welding	Field Inspection		
a. Verification of weldability of steel other than ASTM A707		Periodic	
b. Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, boundary elements of special concrete structural walls and shear reinforcement		Continuous	
c. Shear reinforcement		Continuous	
3. Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors	Field Inspection	Periodic	
4. Inspection of anchors and reinforcing steel post-installed in hardened concrete: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field Inspection	Periodic or as required by the research report issued by an approved source	ACI-CCI ICC-RCSI
5. Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design	Field Inspection	Periodic	ACI-CCI ICC-RCSI
6. Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).	Field Inspection	Continuous	ACI-CFTT ACI-STT
7. Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.	Field Inspection	Continuous	ACI-CCI ICC-RCSI
8. Inspection for maintenance of specified curing temperature and techniques	Field Inspection	Periodic	ACI-CCI ICC-RCSI
9. Inspection of formwork for shape, lines, location and dimensions	Field Inspection	Periodic	ACI-CCI ICC-RCSI
10. Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Periodic	

1. COMPACTION SHALL BE TESTED AND VERIFIED TO MEET 98% STANDARD PROCTOR MAXIMUM DRY DENSITY ACCORDANCE WITH ASTM D698. FOR RELATIVELY COHESIONLESS GRANULAR FILL WHICH HAS A PERCENT PASSING THE #200 SIEVE LESS THAN 10 PERCENT AND HAS ONLY A SLIGHT SENSITIVITY TO MOISTURE CHANGES, COMPACTION SHALL BE 75 PERCENT RELATIVE DENSITY IN ACCORDANCE WITH ASTM D4253 AND D4254. IF COMPACTION DOES NOT COMPLY, CONTRACTOR SHALL RECOMPACT AREA AND UNIT TEST RESULTS ARE PASSING, AN AREA EXHIBITING WEAKNESS SUCH AS RUTTING OR PULVING SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR FILL.
2. CONCRETE SLAB ON GRADE SHALL BE PLACED ON A 6" WELL GRADED COMPACTED GRANULAR FILL SUB-BASE.
3. PLACE ALL SLABS ON GRADE WITH AN APPROVED JOINT PATTERN SUBMITTED BY CONTRACTOR AND APPROVED BY ENGINEER OR AS SHOWN ON DRAWINGS. ORDER OF CONSTRUCTION AND CONTROL JOINTS SHALL BE PLACED TO MINIMIZE SHRINKAGE CRACKS.
4. CONCRETE SLAB ON GRADES SHALL HAVE CONTROL JOINTS SAW CUT OR TOOLED. LOCATE JOINT ALONG COLUMN CENTER LINES WITH INTERMEDIATE JOINTS AT A MAXIMUM SPACING OF 36 TIMES THE SLAB THICKNESS, UNLESS NOTED OTHERWISE. SLAB JOINT PANELS SHALL HAVE A MAXIMUM LENGTH TO 10 FEET OR 10% OF CONCRETE SLAB AREA, OR OFFSET JOINTS. PROVIDE ADDITIONAL JOINTS AT RE-ENTRANT CORNER. IF RE-ENTRANT CORNERS ARE UNAVOIDABLE, THEN ADDITIONAL REINFORCING COMPRISED OF (2) #4 BARS x 3'-0" SHALL BE PLACED IN THE CENTER OF THE SLAB DIAGONAL TO THE RE-ENTRANT CORNER CONDITION. PROVIDE SHOP DRAWING OF CONTROL JOINT PATTERN AND CORNER REINFORCING.
5. SAWCUT JOINTS AS SOON AS SURFACE WILL ALLOW WITHOUT EDGES RAVELING BUT PRIOR TO THE NEXT DAY AFTER THE POUR.
6. PAVEMENT FINISHES SHALL BE BROOM FINISHED UNLESS NOTED OTHERWISE.

1. PROVIDE NON-GLOSSY, COLORLESS, PENETRATING, NON-YELLOWING SILANE-SILOXANE BLEND WATER REPELLENT SEALER.
2. ACCEPTABLE PRODUCTS INCLUDE:  
ADVANCED CHEMICAL TECHNOLOGIES, INC; SIL-ACT DRI-TRETE WB  
PROSOCO, INC.; CONSOLIDECK SALT GUARD  
TNEMEC, INC.; CHEMPROBE PRIM-A-PEL 20, SERIES 636  
OTHER PRODUCTS APPROVED IN WRITING BY ARCHITECT.

3. PREPARE AND APPLY SEALER TO CONCRETE SURFACE IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS AFTER CONCRETE HAS CURED FOR A MINIMUM OF 60 DAYS.

1. ALL CONCRETE SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTES PUBLICATIONS: ACI 301, ACI 305.1, ACI 306.1, ACI 315, AND ACI 318 UNLESS NOTED OTHERWISE.
2. CONCRETE COMPRESSIVE STRENGTH  
(28 DAY)(F<sub>c</sub>)

FOOTINGS	4000 PSI
FOUNDATION WALLS AND PIERS	4000 PSI
SLAB ON GRADE	4000 PSI
3. CONCRETE REINFORCEMENT STANDARDS:

DEFORMED BARS	ASTM A615	Fy = 60 KSI
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4. ALL CONCRETE SHALL BE STONE AGGREGATE UNLESS NOTED OTHERWISE.  
SUBMIT MIX DESIGN AND DOCUMENTATION FOR APPROVAL PER ACI 318.
5. REINFORCEMENT PROTECTION
  - A. CONCRETE PLACED AGAINST EARTH 3"
  - B. CONCRETE PLACED IN FORMS BUT EXPOSED TO WEATHER OR EARTH:
    - a. BARS #5 AND SMALLER 1 1/2"
    - b. BARS LARGER THAN #5 2"
6. WHERE REQUIRED, DOWELS SHALL MATCH THE SIZE, NUMBER AND SPACING OF THE MAIN REINFORCING UNLESS NOTED OTHERWISE.
7. ALL SPLICES, STANDARD HOOKS, AND DEVELOPMENT LENGTHS TO BE PER THE REFERENCED EDITION OF ACI 318. MAKE BARS CONTINUOUS AROUND CORNERS. ALL SPLICES SHALL BE BY CONTACT LAP.
8. ALL SPLICES SHALL BE A CLASS "B" TENSION SPLICE AS DEFINED IN ACI 318. PROVIDE LAP SPLICES LENGTHS AS FOLLOWS:

P SPLICE LENGTHS GIVEN, ASSUME CLEAR SPACING BETWEEN BARS OF 2 BAR DIAMETERS, AND A MINIMUM CLEAR COVER OF 1 BAR DIAMETER. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" ON FRESH CONCRETE BENEATH THE BARS.

9. WALLS AND GRADE BEAMS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE UNLESS APPROVED BY THE ARCHITECT

12. REINFORCING STEEL SHALL BE SECURELY FASTENED INTO FORMS PRIOR TO POURING CONCRETE. WET SETTING OF REINFORCING STEEL WILL NOT BE ACCEPTED PER ACI.

13. CONCRETE MIX - FOOTINGS AND PAVEMENT	
COARSE AGGREGATE	100% PASSING 1" SIEVE
FINE AGGREGATE	100% PASSING 3/8" SIEVE
WATER/CEMENT RATIO	0.45
SLUMP	4" +/- 1"
AIR CONTENT	6% +/- 1.5%

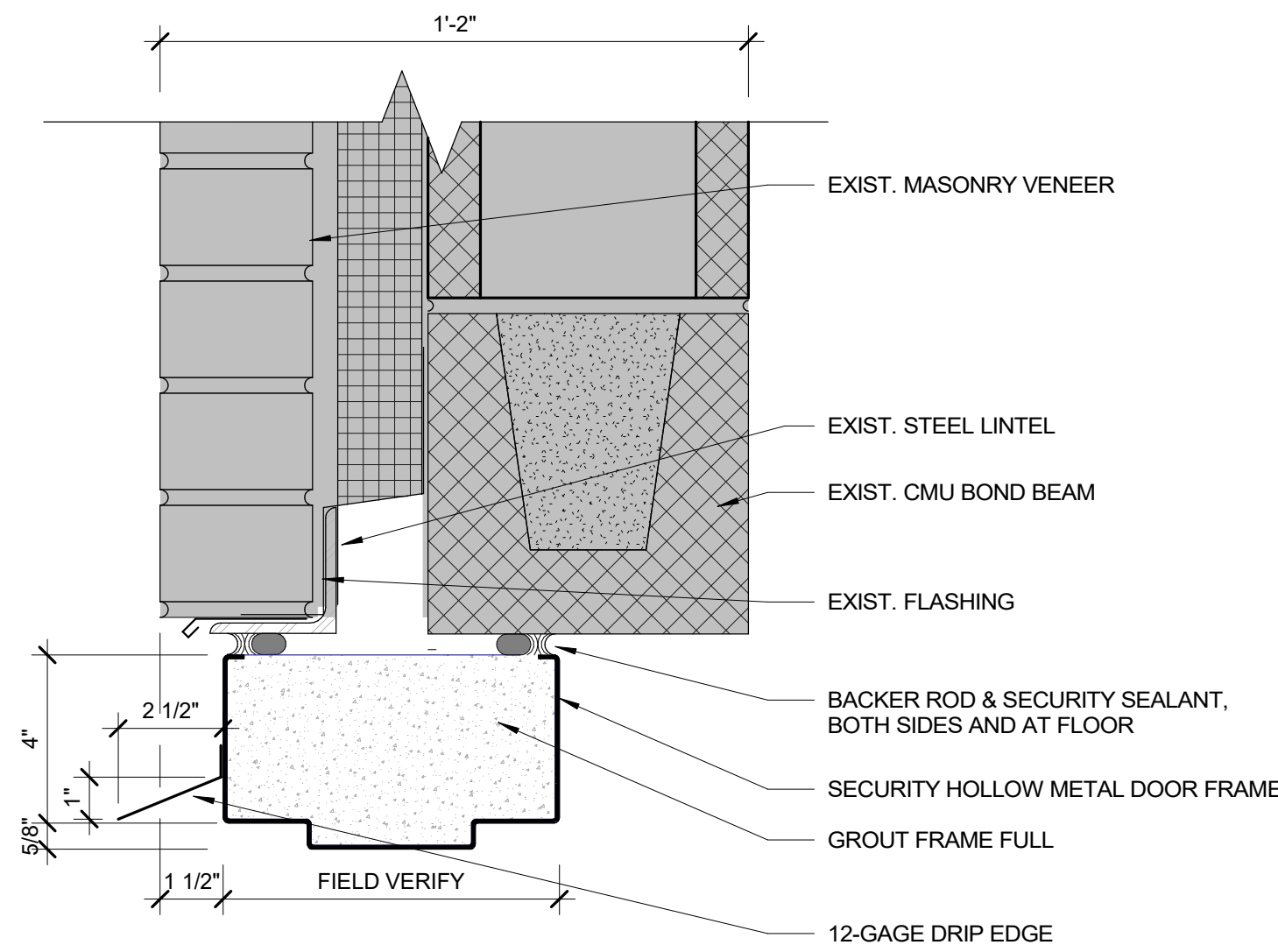




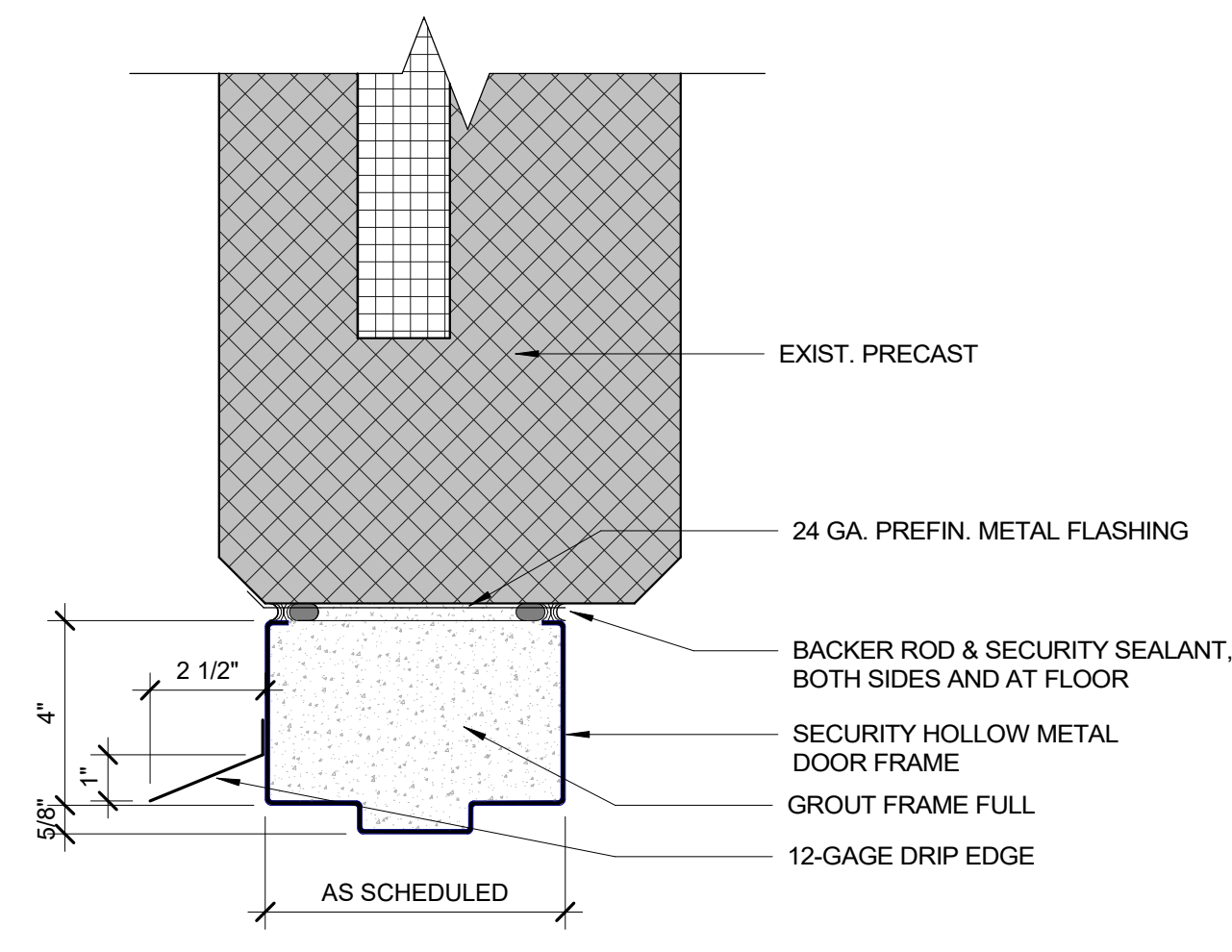


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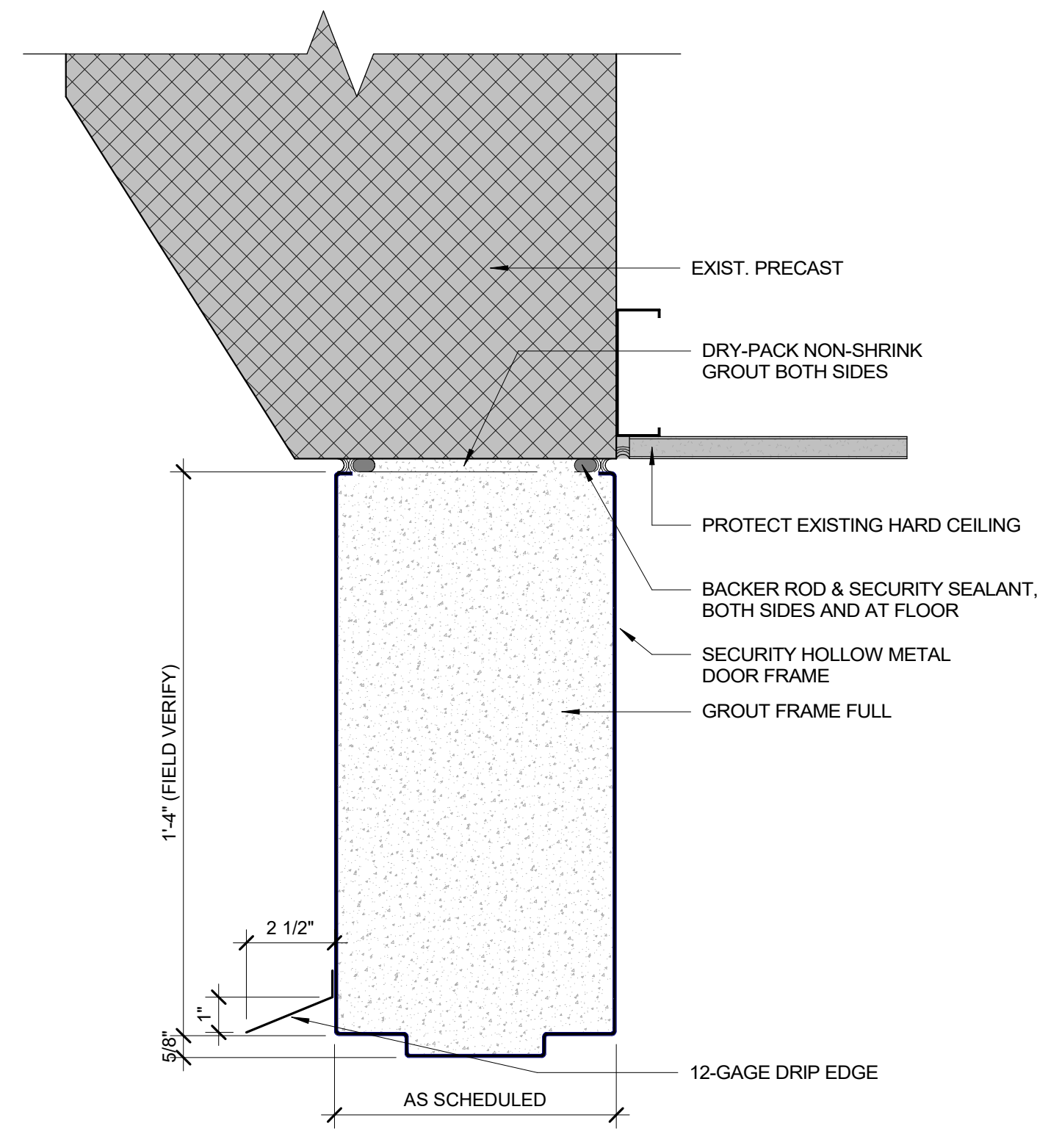
Autodesk Revit 2019



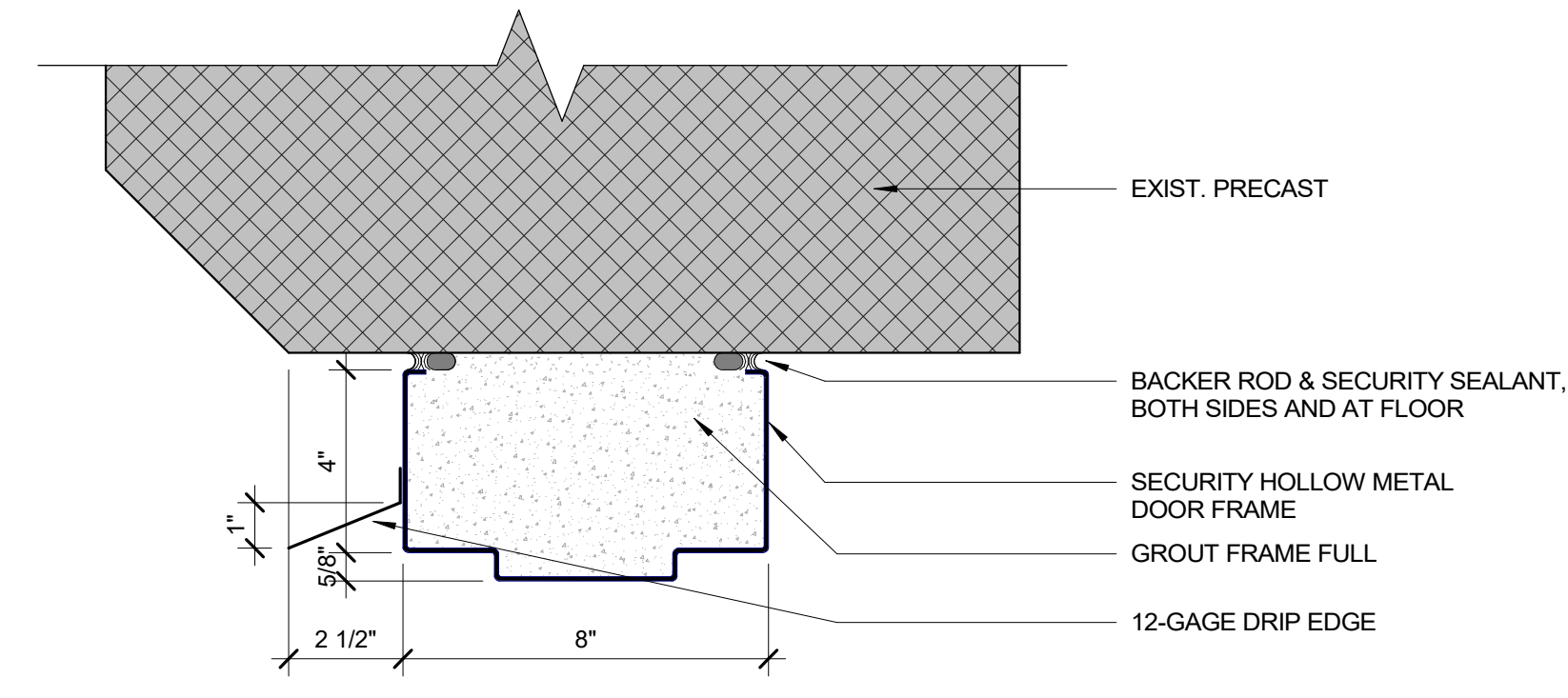
**A2** SECURITY DOOR HEAD - 14" WALL  
3" = 1'-0" 0" 6"



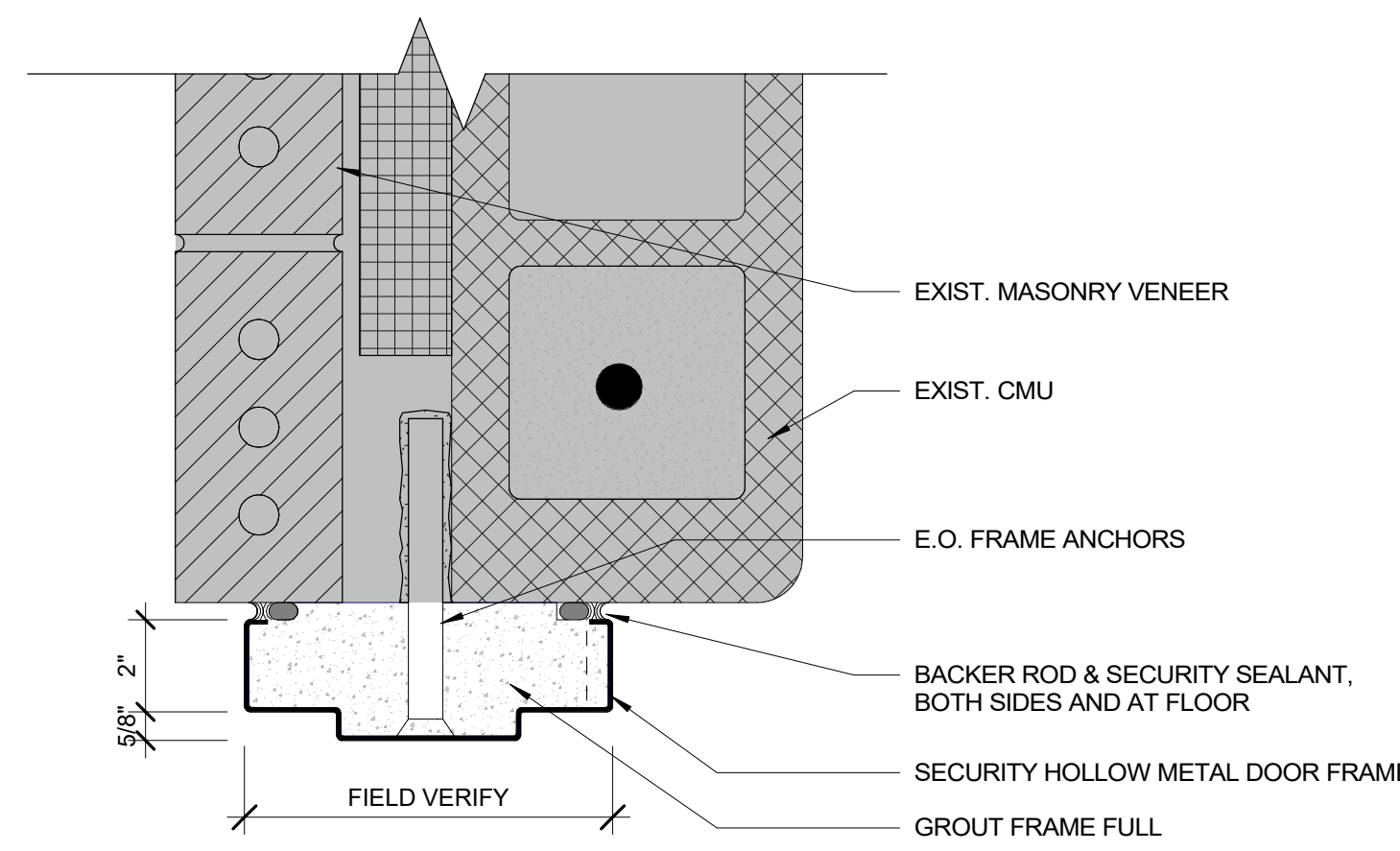
**B2** SECURITY DOOR HEAD - BUILDING G  
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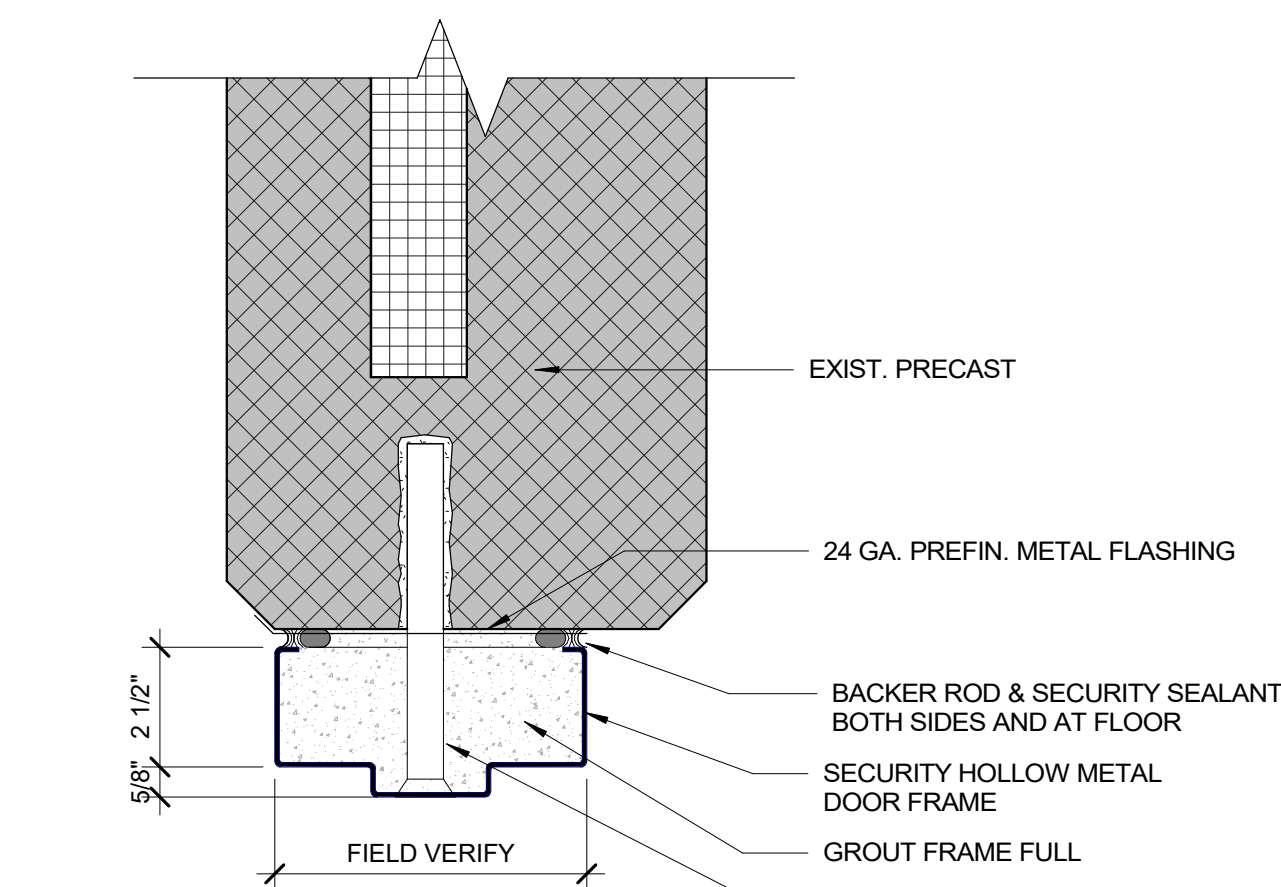
**C2** SECURITY DOOR HEAD - BUILDING F  
3" = 1'-0" 0" 6"



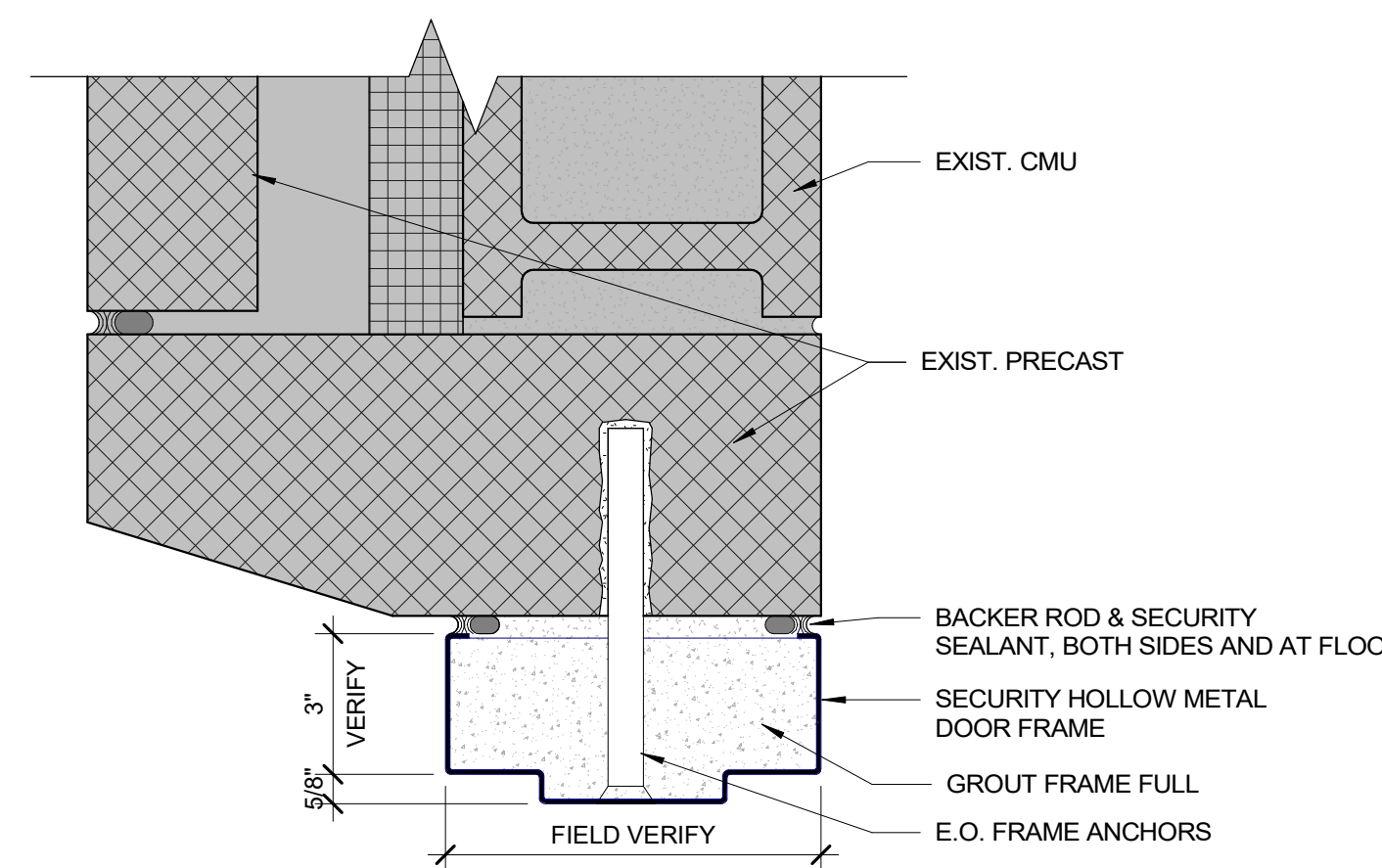
**E2** SECURITY DOOR HEAD - PRECAST - BUILDING A  
3" = 1'-0" 0" 6"



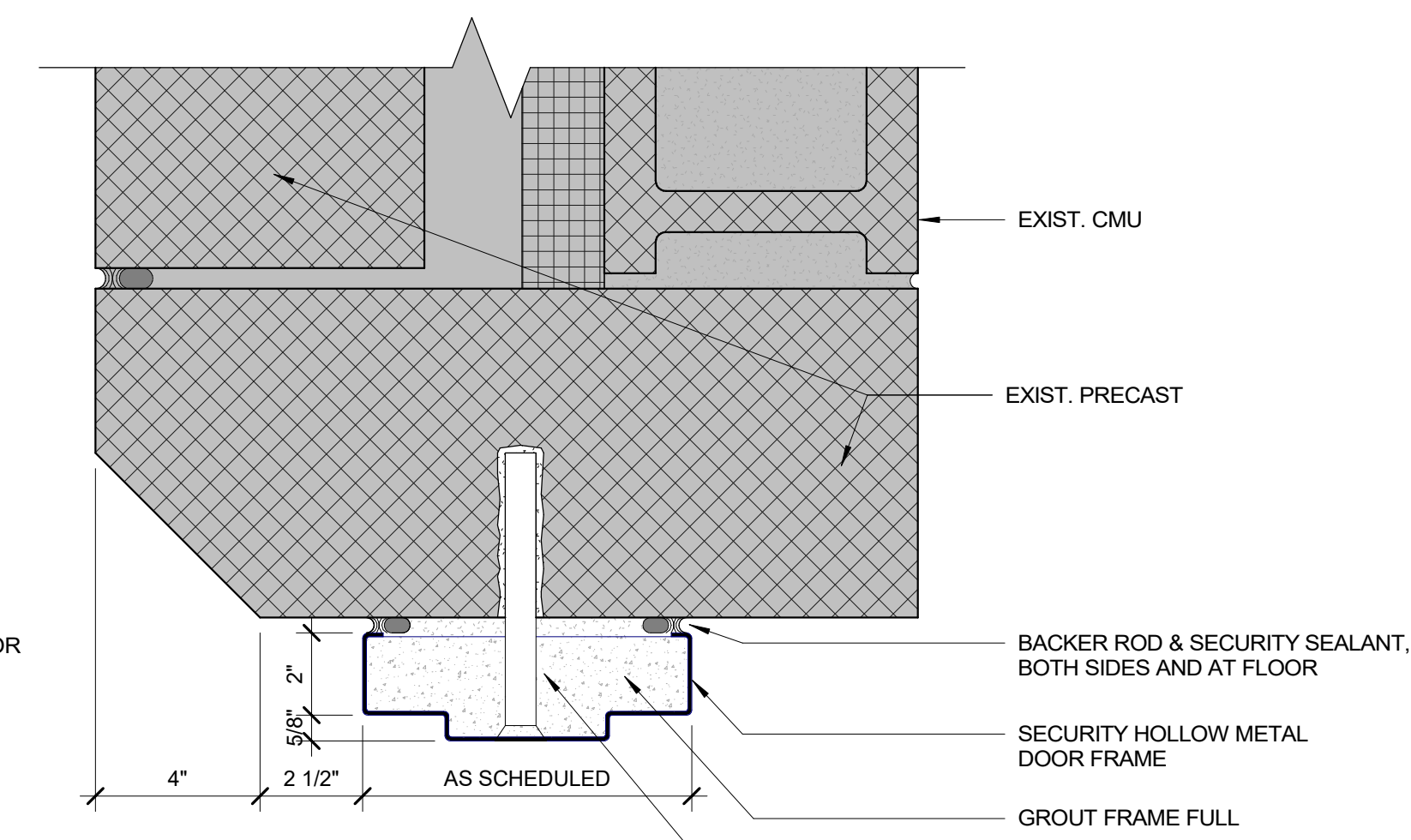
**A3** SECURITY DOOR HINGE JAMB - 14" WALL  
3" = 1'-0" 0" 6"



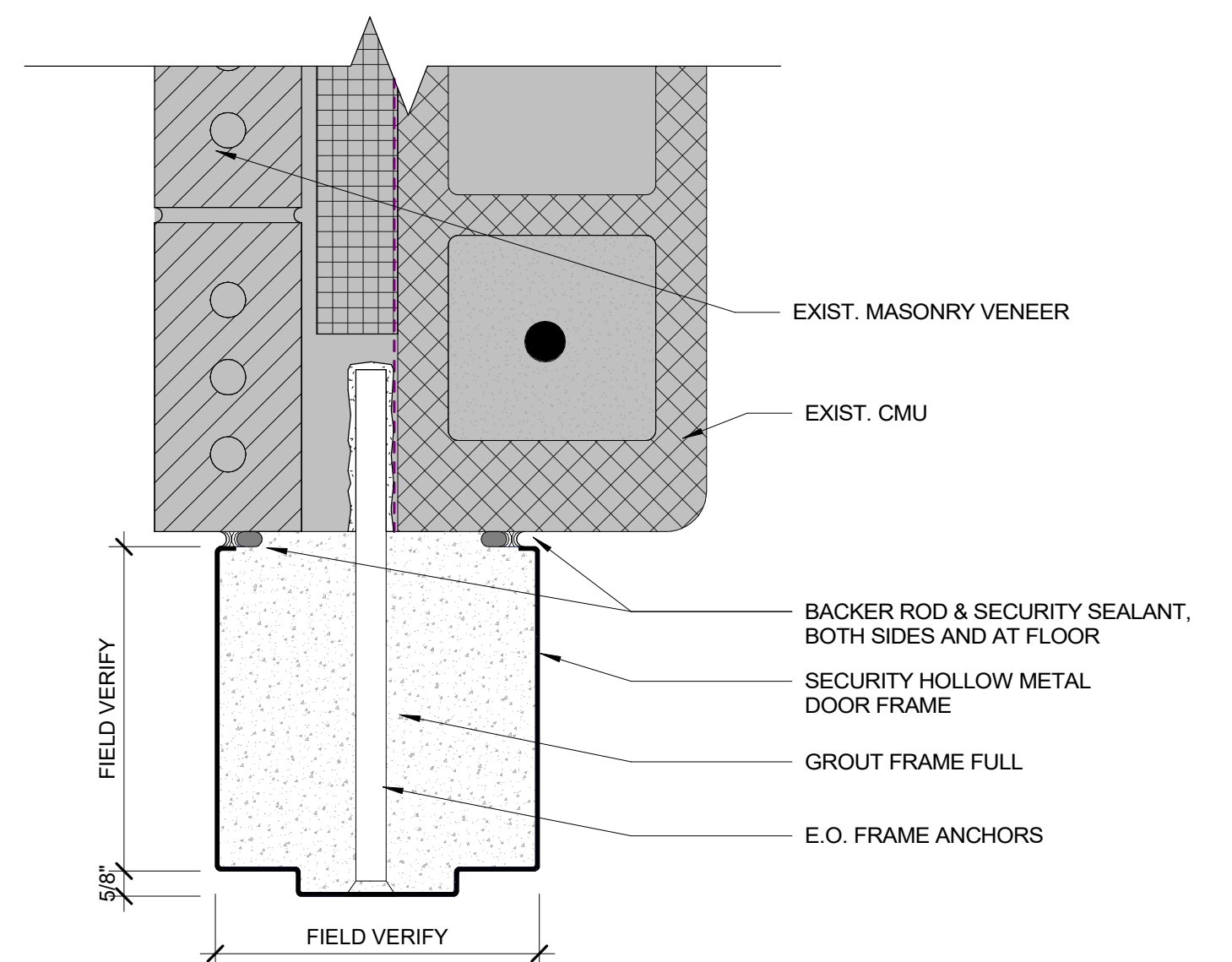
**B3** SECURITY DOOR STRIKE JAMB - BUILDING G  
3" = 1'-0" 0" 6"



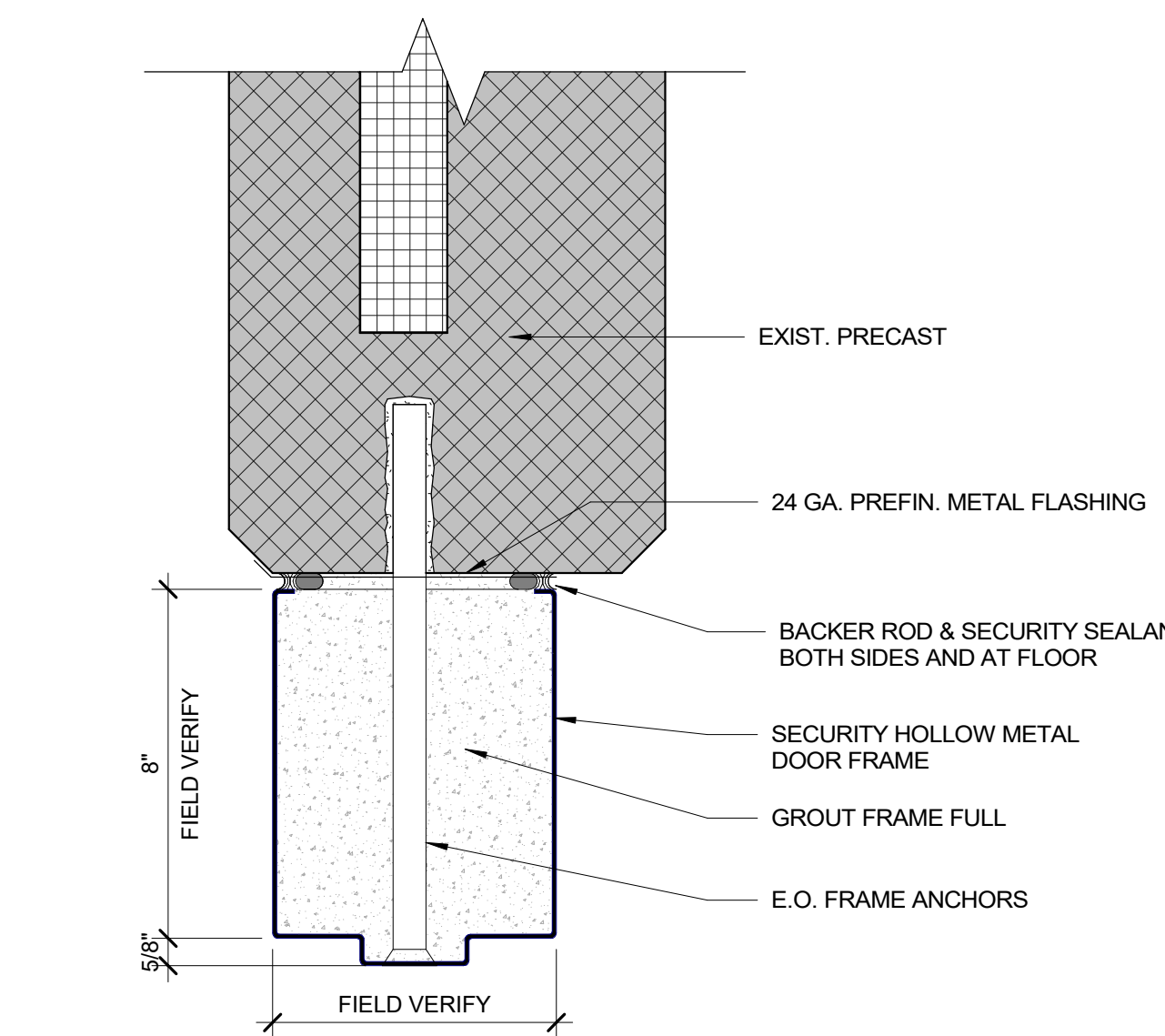
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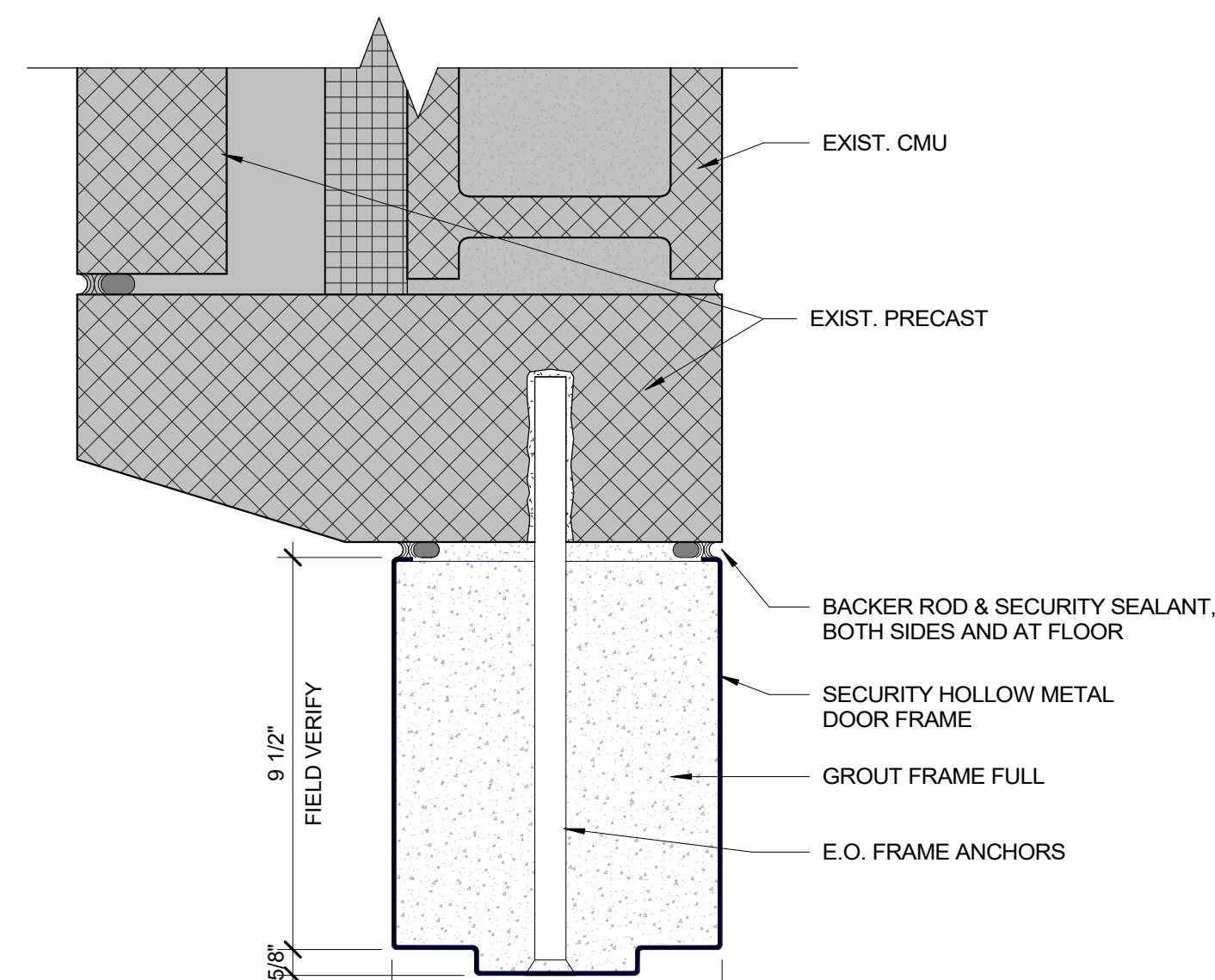
**E3** SECURITY DOOR JAMB - PRECAST - BUILDING A  
3" = 1'-0" 0" 6"



**A4** SECURITY DOOR STRIKE JAMB - 14" WALL  
3" = 1'-0" 0" 6"



**B4** SECURITY DOOR JAMB - BUILDING G  
3" = 1'-0" 0" 6"



**C4** SECURITY DOOR STRIKE JAMB - BUILDING F  
3" = 1'-0" 0" 6"

IMCC DOOR REPLACEMENT

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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES  
2700 Coral Ridge Ave  
Coralville, IA 52241

DRAWN: VHP  
APPROVED: RCC  
ISSUED FOR: CONSTRUCTION  
DATE: 03/13/2019  
PROJECT: NO185070  
FIELD BOOK:

DETAILS

A601