

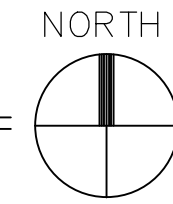
1919
Architects

LOCATION: ROCKFORD PUBLIC SCHOOL DISTRICT #205
515 MAPLE ST.
ROCKFORD, IL 61103

1
6-1.0

HASKELL ELEMENTARY SITE PLAN

SCALE: NT5
RPS #2235



LOCATION: ROCKFORD PUBLIC SCHOOL DISTRICT #205
520 N. PIERPONT AVE.
ROCKFORD, IL 61101

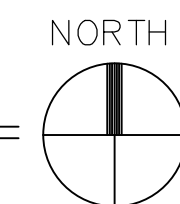
The aerial map shows the proposed development site, marked with a black square and a red dot. The site is located near Kennedy Middle School and a baseball field. The map includes labels for various streets and landmarks, such as School St, School Rd, and School Dr. A line connects the site to the 'SITE LOCATION' label in the top left corner.

2

G-1.0

KENNEDY ELEMENTARY SITE PLAN

SCALE: NTS
RPS #2236



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<u>GENERAL</u>	
G-1.0	<u>COVER SHEET</u>
G-1.1	<u>SPECS (DOORS)</u>
G-1.2	<u>SPECS (DOORS)</u>
G-1.3	<u>SPECS (MASONRY)</u>
G-1.4	<u>SPECS (MASONRY)</u>
<u>SITE</u>	
C-1.0	<u>HASKELL SITE PLAN AND DETAILS</u>
C-1.1	<u>KENNEDY SITE PLAN (DOORS)</u>
C2.0	<u>KENNEDY SITE PLAN (MASONRY)</u>
C2.1	<u>KENNEDY PHOTOS (MASONRY)</u>

I have prepared, or caused to be prepared under my direct supervision, the attached plans and specifications and state that, to the best of my knowledge and belief and to the extent of my contractual obligation, they are in compliance with the Environmental Barriers Act (410 ILCS 25 Code, (71 Ill. Adm. Code 400.) and the Illinois Accessibility

GO.1, GO.2, DI.1, AI.1 AND MEI.1

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OWNER	ARCHITECT
CONTRACTOR	BONDING CO.

515 MAPLE ST. ROCKFORD IL, 61103	520 N. PIERCE ST. AVE. ROCKFORD IL, 61103	RGB
Project Number: 21-1310	Date: 04-15-2022	Appd: JMK

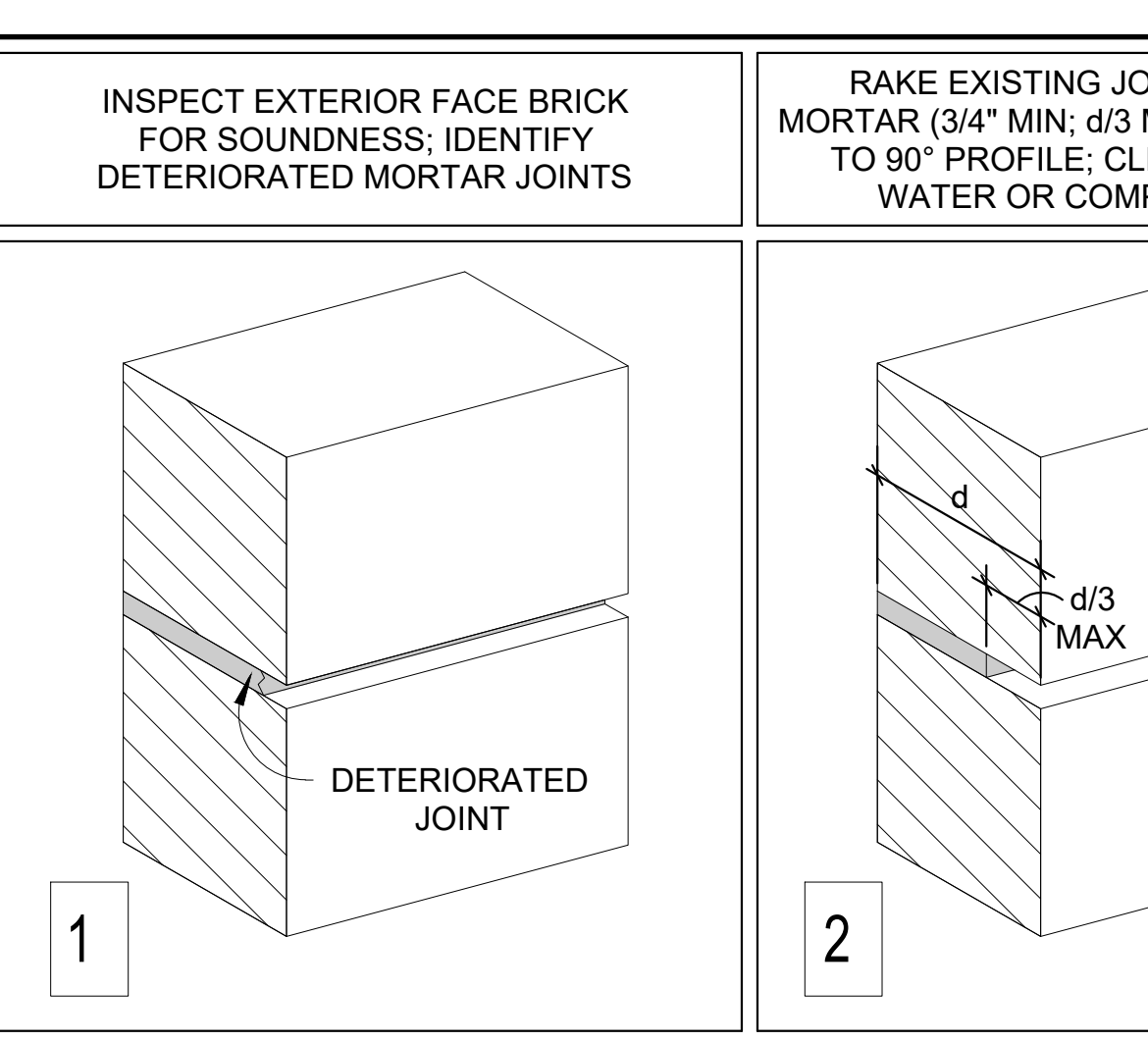
Rev. Date
Sheet No:
G-1.0

	<div><div>SECTION 01 2100 - ALLOWANCES</div><div>PART 1 - GENERAL</div><div>1.01 SUMMARY<ul style="list-style-type: none">A. Section includes administrative and procedural requirements governing allowances.B. Types of allowances include the following:<ul style="list-style-type: none">1. Unit-cost allowances.</div><div>1.02 SELECTION AND PURCHASE<ul style="list-style-type: none">A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Architect and/or Owner to avoid delaying the Work.B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.C. Purchase products and systems selected by Architect from the designated supplier.</div><div>1.03 SUBMITTALS<ul style="list-style-type: none">A. Submit proposals for purchase of products or systems included in allowances in the form specified for Change Orders.B. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.C. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance sum.D. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.</div><div>1.04 DELIVERY AND STORAGE<ul style="list-style-type: none">A. Arrange for delivery of products purchased under an allowance, from place of delivery to Project site, including any storage required during transport to the site.B. Do not deliver such products until any facilities required for storage are in proper condition.C. Promptly inspect products upon delivery for completeness, damage, and defects. Submit claims for transportation damage.</div><div>1.05 UNIT-COST ALLOWANCES<ul style="list-style-type: none">A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include applicable taxes, freight, and delivery to Project site.B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.<ul style="list-style-type: none">1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.</div><div>1.06 ADJUSTMENT OF ALLOWANCES<ul style="list-style-type: none">A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.<ul style="list-style-type: none">1. Include installation costs in purchase amount only where indicated as part of the allowance.2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other markups.3. Submit substantiation of a change in scope of Work, if any, claimed in Change Orders related to unit-cost allowances.4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.<ul style="list-style-type: none">1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of Work has changed from what could have been foreseen from information in the Contract Documents.2. No charge to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.</div><div>1.07 SCHEDULE OF ALLOWANCES<ul style="list-style-type: none">A. Allowance No. 1 - Unit-Cost Allowance: Include the sum of \$1,000.00 per thousand for brick."</div><div>END OF SECTION 012100</div></div>	<div><div>SECTION 08 4213 - ALUMINUM-FRAMED ENTRANCE</div><div>PART 1 - GENERAL</div><div>1.01 SUMMARY<ul style="list-style-type: none">A. Section Features:<ul style="list-style-type: none">1. Exterior manual-swing entrance doors and door-frame units.2. Factory-installed hardware for entrances.B. Related Requirements:<ul style="list-style-type: none">1. Section 08 1000 "Rough Carpentry" for framing to support aluminum entrances.2. Section 08 7100 "Door Hardware" for hardware items not specified in this Section.3. Section 08 800 "Glazing" for glass in entrance assemblies.</div><div>1.02 SUBMITTALS<ul style="list-style-type: none">A. Product Data: For each type of product.<ul style="list-style-type: none">1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.B. Shop Drawings: For aluminum-framed entrances. Include plans, elevations, sections, full-size details, and attachments to other work.<ul style="list-style-type: none">1. Include details of provisions for assembly expansion and contraction and for draining moisture occurring within the assembly to the exterior.2. Show connection to and continuity with adjacent thermal, weather, air, and vapor barriers.</div><div>1.03 QUALITY ASSURANCE<ul style="list-style-type: none">A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.</div><div>PART 2 - *Not Typical*/PRODUCTS</div><div>2.01 ENTRANCE DOOR SYSTEMS<ul style="list-style-type: none">A. Entrance Doors: Manufacturer's standard glazed entrance doors for manual-swing operation.<ul style="list-style-type: none">1. Door Construction: 1-3/4-inch overall thickness, with minimum 0.125-inch-thick, extruded-aluminum tubular rail and stile members. Mechanically fasten corners with reinforcing brackets that are deeply penetrated and fillet welded or that incorporate concealed tie rods.2. Door Design: As indicated.3. Glazing Stops and Gaskets: Snap-on, extruded-aluminum stops and preformed gaskets.<ul style="list-style-type: none">a. Provide nonremovable glazing stops on outside of door.A. Framing Members: Manufacturer's standard extruded aluminum, minimum 0.125 inch thick and reinforced as required to support imposed loads.<ul style="list-style-type: none">1. Nominal Size: 1-3/4 by 4-1/2 inches except as indicated otherwise on Drawings.B. Backer Plates: Manufacturer's standard, continuous backer plates for framing members, if not integral, where framing abuts adjacent construction.</div><div>2.02 ENTRANCE DOOR HARDWARE<ul style="list-style-type: none">A. Preparation: Prepare doors for hardware items specified in Section 08 7100 "Door Hardware."B. Pails: Manufacturer's standard ADA-compliant tubular offset D pull, finished to match door.C. Butt Hinges: BHMA A156.1, Grade 1, radius corner.<ul style="list-style-type: none">1. Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while entrance door is closed.2. Exterior Hinges: Stainless steel, with stainless-steel pin.D. Weather Stripping: Manufacturer's standard replaceable components.<ul style="list-style-type: none">1. Compression Type: Made of ASTM D 2000, molded neoprene, or ASTM D 2287, molded PVC.2. Sliding Type: AAMA 701/702, made of wool, polypropylene, or nylon woven pile with nylon-fabric or aluminum-strip backing.E. Other Hardware Items: As specified in Section 08 7100 "Door Hardware."</div><div>2.03 GLAZING<ul style="list-style-type: none">A. Glazing: Comply with Section 08 8000 "Glazing."B. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black, resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.C. Glazing Blocks: As recommended by manufacturer.</div><div>2.04 ACCESSORIES<ul style="list-style-type: none">A. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.<ul style="list-style-type: none">1. Use self-locking devices where fasteners are subject to loosening or turning out from thermal and structural movements, wind loads, or vibration.2. Reinforce members as required to receive fastener threads.</div><div>2.05 FABRICATION<ul style="list-style-type: none">A. Form or extrude aluminum shapes before finishing.B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by dressing or grinding.C. Fabricate components that, when assembled, have the following characteristics:<ul style="list-style-type: none">1. Profiles that are sharp, straight, and free of defects or deformations.2. Accurately fitted joints with ends coped or mitered.3. Physical and thermal isolation of glazing from framing members.4. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.D. Entrance Door Frames: Reinforce as required to support loads imposed by door operation and for installing entrance door hardware.E. Entrance Doors: Reinforce doors as required for installing entrance door hardware.F. Entrance Door Hardware Installation: Factory install entrance door hardware to the greatest extent possible. Cut, drill, and tap for factory-installed entrance door hardware before applying finishes.G. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.</div><div>2.06 ALUMINUM FINISHES<ul style="list-style-type: none">A. Clear Anodic Finish: AAMA 611, or thicker.B. Color Anodic Finish: AAMA 611, or thicker.<ul style="list-style-type: none">1. Color.2. Color.C. Baked-Enamel or Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.<ul style="list-style-type: none">1. Color and Gloss:D. High-Performance Organic Finish: Two-coat fluoropolymer finish complying with _____ and containing not less than _____ percent resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.<ul style="list-style-type: none">1. Color and Gloss:E. High-Performance Organic Finish: -coat fluoropolymer finish complying with AAMA 2605 and containing not less than _____ percent resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.<ul style="list-style-type: none">1. Color and Gloss:</div><div>PART 3 - EXECUTION</div><div>3.01 EXAMINATION<ul style="list-style-type: none">A. Examine areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.B. Proceed with installation only after unsatisfactory conditions have been corrected.</div><div>3.02 INSTALLATION<ul style="list-style-type: none">A. General:<ul style="list-style-type: none">1. Comply with manufacturer's written instructions.2. Do not install damaged components.3. Fit joints to produce hairline joints free of burrs and distortion.4. Rigidly secure nonmovement joints.5. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.6. Seal perimeter and other joints watertight unless otherwise indicated.B. Metal Protection:<ul style="list-style-type: none">1. Where aluminum is in contact with dissimilar metals, protect against galvanic action by painting contact surfaces with materials recommended by manufacturer for this purpose or installing nonconductive spacers.2. Where aluminum is in contact with concrete or masonry, protect against corrosion by painting contact surfaces with zinc chromate paint.C. Set continuous sill members and flashing in full sealant bed as specified in Section 07 9200 "Joint Sealants" to produce weathertight installation.D. Install components plumb and true in alignment with established lines and grades.E. Install glazing as specified in Section 08 8000 "Glazing."F. Entrance Doors: Install doors to produce smooth operation and tight fit at contact points.<ul style="list-style-type: none">1. Exterior Doors: Install to produce weathertight enclosure and tight fit at weather stripping.2. Field-Installed Entrance Door Hardware: Install surface-mounted entrance door hardware according to entrance door hardware manufacturers' written instructions using concealed fasteners to greatest extent possible.</div><div>3.03 *Not Typical*/FIELD QUALITY CONTROL<ul style="list-style-type: none">A. Testing Agency: a qualified testing agency to perform tests and inspections.B. Field Quality-Control Testing: Perform the following test on aluminum-framed entrances.<ul style="list-style-type: none">3. Water-Spray Test: Before installation of interior finishes has begun, areas designated by Architect shall be tested according to AAMA 501.2 and shall not evidence water penetration.C. Aluminum-framed entrances will be considered defective if they do not pass tests and inspections.D. Prepare test and inspection reports.</div><div>END OF SECTION</div></div>	<div><div>Section 08 88 00 - Glazing</div><div>PART 1 - GENERAL</div><div>1.1 RELATED DOCUMENTS<ul style="list-style-type: none">A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.</div><div>1.2 SUMMARY<ul style="list-style-type: none">A. Section Includes:<ul style="list-style-type: none">1. Glass for windows, doors, storefront framing, glazed curtain walls, and sloped glazing.2. Glazing sealsants and accessories.B. Related Requirements:<ul style="list-style-type: none">1. Section 057300 "Decorative Metal Railings" for glazing in railings.2. Section 084113 "Aluminum-Framed Entrance and Storefront"3. Section 084413 "Glazed Aluminium Curtain Walls"</div><div>1.3 DEFINITIONS<ul style="list-style-type: none">A. Glass Manufacturers: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.B. Glass Thicknesses: Indicated by thickness designations in millimeters according to ASTM C1036.C. IBC: International Building Code.D. Interspacer: Space between lites of an insulating-glass unit.</div><div>1.4 COORDINATION<ul style="list-style-type: none">A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.</div><div>1.5 ACTION SUBMITTALS<ul style="list-style-type: none">A. Product Data: For each type of product.B. Glass Samples: For each type of the following products; 12 inches (300 mm) square.<ul style="list-style-type: none">1. Tinted glass.2. Insulating glass.C. glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.D. Delegated-Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.</div><div>1.6 INFORMATIONAL SUBMITTALS<ul style="list-style-type: none">A. Qualification Data: For Installer and manufacturers of insulating-glass units with sputter-coated, low-E coatings.B. Product Certificates: For glass.C. Product Test Reports: For tinted glass, for tests performed by a qualified testing agency.D. Sample Warranties: For special warranties.</div><div>1.7 QUALITY ASSURANCE<ul style="list-style-type: none">A. Manufacturer Qualifications for Insulating-Glass Units with Sputter-Coated, Low-E Coatings: A qualified insulating-glass manufacturer who is approved by coated-glass manufacturer.B. Installer Qualifications: A qualified installer with five years' experience.</div><div>1.8 DELIVERY, STORAGE, AND HANDLING<ul style="list-style-type: none">A. Protect glazing materials according to manufacturer's written instructions.</div></div>
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SECTION 01 2100 - ALLOWANCES	
PART 1 - GENERAL	
1.01 SUMMARY	A. Section includes administrative and procedural requirements governing allowances.
B. Types of allowances include the following:	1. Unit-cost allowances.
1.02 SELECTION AND PURCHASE	A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Architect and/or Owner to avoid delaying the Work.
B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.	
C. Purchase products and systems selected by Architect from the designated supplier.	
1.03 SUBMITTALS	A. Submit proposals for purchase of products or systems included in allowances in the form specified for Change Orders.
B. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.	
C. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance sum.	
D. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.	
1.04 DELIVERY AND STORAGE	A. Arrange for delivery of products purchased under an allowance, from place of delivery to Project site, including any storage required during transport to the site.
B. Do not deliver such products until any facilities required for storage are in proper condition.	
C. Promptly inspect products upon delivery for completeness, damage, and defects. Submit claims for transportation damage.	
1.05 UNIT-COST ALLOWANCES	A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include applicable taxes, freight, and delivery to Project site.
B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.	
C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.	
1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.	
1.06 ADJUSTMENT OF ALLOWANCES	A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
1. Include installation costs in purchase amount only where indicated as part of the allowance.	
2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other markups.	
3. Submit substantiation of a change in scope of Work, if any, claimed in Change Orders related to unit-cost allowances.	
4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.	
B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.	
1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of Work has changed from what could have been foreseen from information in the Contract Documents.	
2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.	
1.07 SCHEDULE OF ALLOWANCES	A. Allowance No. 1: Unit-Cost Allowance: Include the sum of \$1,000.00 per thousand for brick.*
END OF SECTION 01200	

SECTION 04 0120.64 - BRICK MASONRY REPOINTING	
PART 1 - GENERAL	
1.1 RELATED DOCUMENTS	A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
1.2 SUMMARY	A. Section Includes:
1. Repeating joints with mortar.	
2. Repeating joints with sealant.	
1.3 DEFINITIONS	
1.4 SEQUENCING AND SCHEDULING	A. Order sand and gray Portland cement for pointing mortar immediately after approval of Samples. Take delivery of and store at Project site enough quantity to complete Project.
B. Work Sequence: Perform brick masonry repointing work in the following sequence, which includes work specified in this and other Sections:	
1. Remove paint growth.	
2. Inspect masonry for open mortar joints and permanently or temporarily point them before cleaning to prevent the intrusion of water and other cleaning materials into the wall.	
3. Remove paint.	
4. Clean masonry.	
5. Rake out mortar from joints surrounding masonry to be replaced and from joints adjacent to masonry repairs along joints.	
6. Repair masonry, including replacing existing masonry with new masonry materials.	
7. Rake out mortar from joints to be repointed.	
8. Point mortar and sealant joints.	
9. After repairs and repointing have been completed and cured, perform a final cleaning to remove residues from this work.	
10. Where water repellents are to be used on or near masonry work, delay application of these chemicals until after pointing and cleaning.	
1.5 ACTION SUBMITTALS	A. Product Data: For each type of product.
1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.	
2. Include recommendations for product application and use.	
3. Include test data substantiating that products comply with requirements.	
B. Shop Drawings:	
1. Include plans, elevations, sections, and locations of repointing work on the structure.	
2. Show provisions for expansion joints and other sealant joints.	
C. Samples for Initial Selection: For the following:	
1. Mortar Pigments: Where mortar pigments are indicated, do not add pigment exceeding 10 percent by weight of the cementitious or binder materials, except for carbon black which is limited to 2 percent, unless otherwise demonstrated by a satisfactory history of performance.	
2. Minimal possibility of damaging exposed surfaces.	
3. Consistency of each application.	
4. Uniformity of the resulting overall appearance.	
5. Do not use products or tools that could leave residue on surfaces.	
2.4 MORTAR MIXES	A. Measurement and Mixing: Measure cementitious materials and sand in a dry condition by volume or equivalent weight. Do not measure by shovel; use known measure. Mix materials in a clean, mechanical batch mixer.
1. Mixing Pointing Mortar: Thoroughly mix cementitious materials and sand together before adding any water. Then mix again, adding only enough water to produce a damp, unworkable mix that retains its form when pressed into a ball. Maintain mortar in this dampened condition for 15 to 30 minutes. Add remaining water in small portions until mortar reaches desired consistency. Use mortar within one hour of final mixing; do not retemper or use partially hardened material.	
2. Colored Mortar: Produce mortar of color required by using specified ingredients. Do not alter specified proportions without Architect's approval.	
3. Mortar Pigments: Where mortar pigments are indicated, do not add pigment exceeding 10 percent by weight of the cementitious or binder materials, except for carbon black which is limited to 2 percent, unless otherwise demonstrated by a satisfactory history of performance.	
4. Do not use admixtures in mortar unless otherwise indicated.	
D. Mixes: Mix mortar materials in the following proportions:	
1. Pointing Mortar by Type: ASTM C270, Proportion Specification, Type N unless otherwise indicated; with cementitious material limited to portland cement and lime masonry cement or mortar cement.	
2. Pointing Mortar by Property: ASTM C270, Property Specification, Type N unless otherwise indicated; with cementitious material limited to portland cement and lime masonry cement or mortar cement.	
PART 3 - EXECUTION	
3.1 PROTECTION	A. Prevent mortar from staining face of surrounding masonry and other surfaces.
1. Cover sills, ledges, and other projecting items to protect them from mortar droppings.	
2. Keep wall area wet below pointing work to discourage mortar from adhering.	
3. Immediately remove mortar splatters in contact with exposed masonry and other surfaces.	
B. Remove gutters and downspouts and associated hardware adjacent to masonry and store during masonry repointing. Reinstall when repointing is complete.	
1. Provide temporary rain drainage during work to direct water away from building.	
3.2 MASONRY REPOINTING, GENERAL	A. Appearance Standard: Repointed surfaces are to have a uniform appearance as viewed from 20 feet (6 m) away by Architect.
3.3 REPOINTING attached drawings in the Appendix	
A. Rake out and repoint joints to the following extent:	
1. All joints in areas indicated.	
2. Joints indicated as sealant-filled joints.	
3. Joints at locations of the following defects:	
a. Holes and missing mortar.	
b. Cracks that can be penetrated 1/4 inch (6 mm) or more by a knife blade 0.027 inch (0.7 mm) thick.	
c. Cracks 1/16 inch (1.6 mm) or more in width and of any depth.	
d. Hollow-sounding joints when tapped by metal object.	
e. Eroded surfaces 1/4 inch (6 mm) or more deep.	
f. Deterioration to point that mortar can be easily removed by hand, without tools.	
g. Joints filled with substances other than mortar.	
B. Do not rake out and repoint joints where not required.	
C. Rake out joints as follows, according to procedures demonstrated in approved mockup:	
1. Remove mortar from joints to depth of not less than 3/4 inch (20 mm) and not less than that required to expose sound, unweathered mortar. Do not remove unsound mortar more than 2 inches (50 mm) deep; consult Architect for direction.	

1. Field Supervisor: Brick masonry repointing specialist firms shall maintain experienced full-time supervisors on Project site during times that brick masonry repointing work is in progress.	
A. Quality-Control Program: Prepare a written quality-control program for this Project to systematically demonstrate the ability of personnel to properly follow methods and use materials and tools without damaging masonry. Include provisions for supervising performance and preventing damage.	
1.8 DELIVERY, STORAGE, AND HANDLING	A. Deliver packaged materials to Project site in manufacturer's original and unopened containers, labeled with manufacturer's name and type of products.
B. Store cementitious materials on elevated platforms, under cover, and in a dry location. Do not use cementitious materials that have become damp.	
C. Store hydrated lime in manufacturer's original and unopened containers. Discard lime if containers have been damaged or have been opened for more than two days.	
D. Store sand where grading and other required characteristics can be maintained and contamination avoided.	
1.9 FIELD CONDITIONS	A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit repointing work to be performed according to product manufacturers' written instructions and specified requirements.
B. Temperature Limits: Repoint mortar joints only when air temperature is between 40 and 90 deg F (4 and 32 deg C) and is predicted to remain so for at least seven days after completion of the Work unless otherwise indicated.	
C. Cold-Weather Requirements: Comply with the following procedures for mortar-joint pointing unless otherwise indicated:	
1. When air temperature is below 40 deg F (4 deg C), heat mortar ingredients and existing masonry walls to produce temperatures between 40 and 120 deg F (4 and 49 deg C).	
2. When mean daily air temperature is below 40 deg F (4 deg C), provide enclosure and heat to maintain temperatures above 32 deg F (0 deg C) within the enclosure for seven days after pointing.	
D. Hot-Weather Requirements: Protect mortar-joint pointing when temperature and humidity conditions produce excessive evaporation of water from mortar materials. Provide artificial shade and wind breaks, and use cooled materials as required to minimize evaporation. Do not apply mortar to substrates with temperatures of 90 deg F (32 deg C) and above unless otherwise indicated.	
PART 2 - PRODUCTS	
2.1 PERFORMANCE REQUIREMENTS	A. Source Limitations: Obtain each type of material for repointing brick masonry (cement, sand, etc.) from single source with resources to provide materials of consistent quality as to appearance and physical properties.
2.2 MORTAR MATERIALS	A. Portland Cement: ASTM C150/C150M, Type I or Type II, except Type III may be used for cold-weather construction; white or gray, or both where required for color matching of mortar.
1. Provide cement containing not more than 0.60 percent total alkali when tested according to ASTM C114.	
B. Hydrated Lime: ASTM C207, Type S.	
C. Masonry Cement: ASTM C91/C91M.	
1. Manufacturers: Subject to compliance with requirements, provide products by the following:	
a. Lafarge North America Inc.	
D. Mortar Cement: ASTM C1329/C1329M.	
E. Mortar Sand: ASTM C144.	
1. Match size, texture, and gradation of existing mortar sand as closely as possible. Blend several sands if necessary to achieve suitable match.	
F. Water: Potable.	
2.3 ACCESSORY MATERIALS	
A. Sealant Materials:	
1. Sealant manufacturer's standard elastomeric sealant(s) of base polymer and characteristics indicated below and according to applicable requirements in Section 079200 "Joint Sealants."	
b. Type: Single-component, nonsag urethane sealant.	
2. Colors: Provide colors of exposed sealants to match colors of mortar adjoining installed sealant unless otherwise indicated.	
B. Joint-Sealant Backing:	
1. Cylindrical Sealant Backings: ASTM C1330, Type C (closed-cell material with a surface skin) or Type B (bicellular material with a surface skin), and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.	
2. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended in writing by sealant manufacturer for preventing sealant from adhering to rigid, inflexible, joint-filler materials or joint surfaces at back of joint where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable.	
C. Masking Tape: Nonslitting, nonsorbent material; compatible with mortar, joint primers, sealants, and surfaces adjacent to joints; and that easily comes off entirely, including adhesive.	
D. Other Products: Select materials and methods of use based on the following, subject to approval of a mockup:	
1. Previous effectiveness in performing the work involved.	
2. Minimal possibility of damaging exposed surfaces.	
3. Consistency of each application.	
4. Uniformity of the resulting overall appearance.	
5. Do not use products or tools that could leave residue on surfaces.	
PART 3 - EXECUTION	
3.1 PROTECTION	A. Prevent mortar from staining face of surrounding masonry and other surfaces.
1. Cover sills, ledges, and other projecting items to protect them from mortar droppings.	
2. Keep wall area wet below pointing work to discourage mortar from adhering.	
3. Immediately remove mortar splatters in contact with exposed masonry and other surfaces.	
B. Remove gutters and downspouts and associated hardware adjacent to masonry and store during masonry repointing. Reinstall when repointing is complete.	
1. Provide temporary rain drainage during work to direct water away from building.	
3.2 MASONRY REPOINTING, GENERAL	A. Appearance Standard: Repointed surfaces are to have a uniform appearance as viewed from 20 feet (6 m) away by Architect.
3.3 REPOINTING attached drawings in the Appendix	
A. Rake out and repoint joints to the following extent:	
1. All joints in areas indicated.	
2. Joints indicated as sealant-filled joints.	
3. Joints at locations of the following defects:	
a. Holes and missing mortar.	
b. Cracks that can be penetrated 1/4 inch (6 mm) or more by a knife blade 0.027 inch (0.7 mm) thick.	
c. Cracks 1/16 inch (1.6 mm) or more in width and of any depth.	
d. Hollow-sounding joints when tapped by metal object.	
e. Eroded surfaces 1/4 inch (6 mm) or more deep.	
f. Deterioration to point that mortar can be easily removed by hand, without tools.	
g. Joints filled with substances other than mortar.	
B. Do not rake out and repoint joints where not required.	
C. Rake out joints as follows, according to procedures demonstrated in approved mockup:	
1. Remove mortar from joints to depth of not less than 3/4 inch (20 mm) and not less than that required to expose sound, unweathered mortar. Do not remove unsound mortar more than 2 inches (50 mm) deep; consult Architect for direction.	



NOTE: HAIRLINE CRACKS IN MORTAR SHALL NOT BE DEEMED DEFECTIVE AND SHOULD NOT BE INCLUDED.

1 TYPICAL MASONRY REPOINTING DETAILS

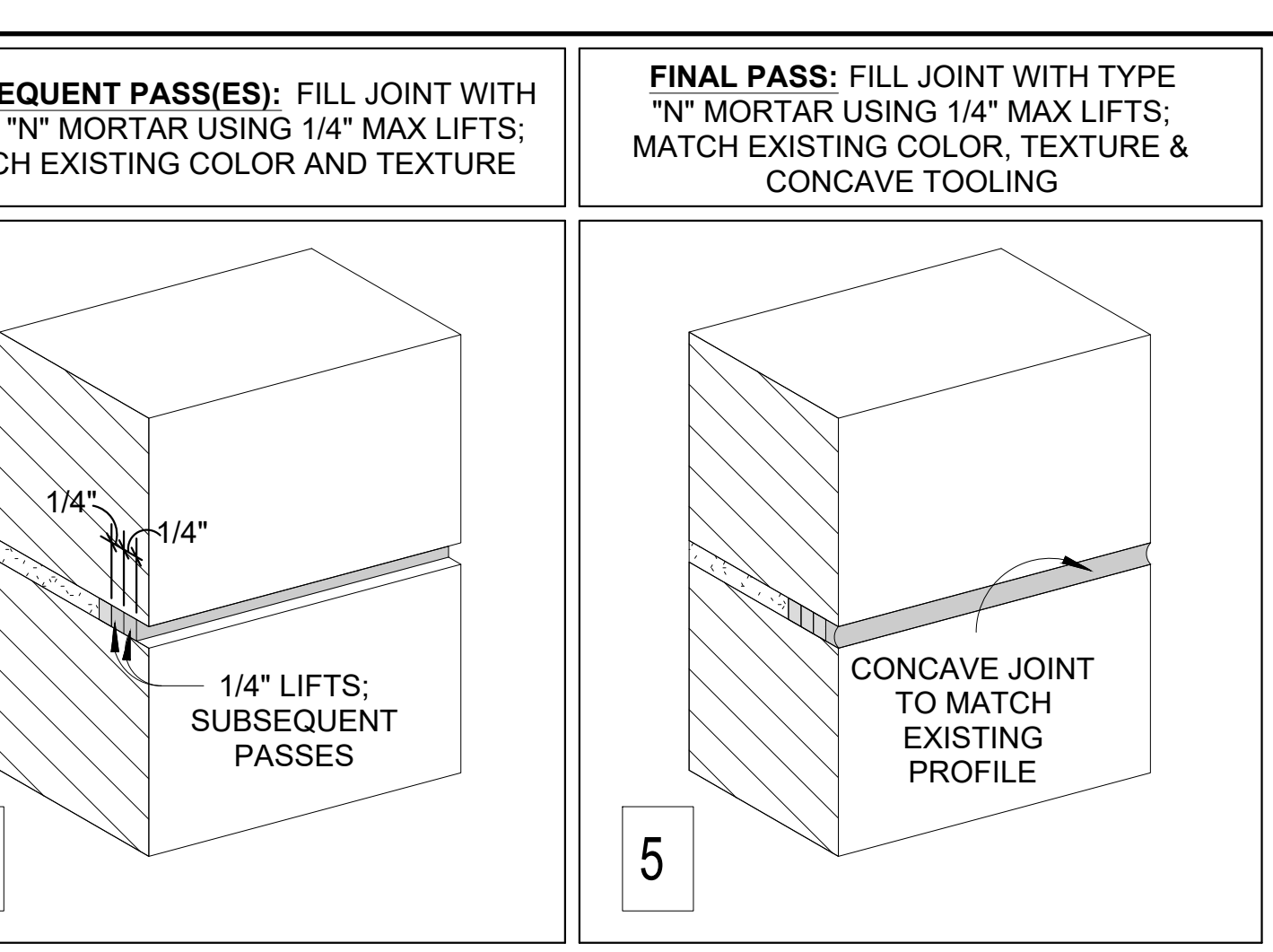
SCALE: NTS

2. Remove mortar from brick and other masonry surfaces within raked-out joints to provide reveals with square backs and to expose masonry for contact with pointing mortar. Brush, vacuum, or flush joints to remove dirt and loose debris.	
3. Do not spill edges of mortar joints or widen joints. Replace or patch damaged masonry units as directed by Architect.	
A. Notify Architect of unforeseen detrimental conditions including voids in mortar joints, cracks, loose masonry units, rotted wood, rusted metal, and other deteriorated items.	
B. Pointing with Mortar:	
1. Rinse joint surfaces with water to remove dust and mortar particles. Time rinsing application so, at time of pointing, joint surfaces are damp but free of standing water. If rinse water dries, dampen joint surfaces before pointing.	
2. Apply pointing mortar first to areas where existing mortar was removed to depths greater than surrounding areas. Apply in layers not greater than 3/8 inch (9 mm) until a uniform depth is formed. Fully compact each layer, and allow it to become thumbprint hard before applying next layer.	
3. After deep areas have been filled to same depth as remaining joints, point joints by placing mortar in layers not greater than 3/8 inch (9 mm). Fully compact each layer and allow to become thumbprint hard before applying next layer. Where existing masonry units have worn or rounded edges, slightly recess finished mortar surface below face of masonry to avoid widened joint faces. Take care not to spread mortar beyond joint edges onto exposed masonry surfaces or to featheredge the mortar.	
4. When mortar is thumbprint hard, tool joints to match original appearance of joints as demonstrated in approved mockup. Remove excess mortar from edge of joint by brushing.	
5. Cure mortar by maintaining in thoroughly damp condition for at least 72 consecutive hours, including weekends and holidays.	
6. Hairline cracking within mortar or mortar separation at edge of a joint is unacceptable. Completely remove such mortar and repoint.	
F. Pointing with Sealant: Comply with Section 079200 "Joint Sealants," and as follows:	
1. After raking out, keep joints dry and free of mortar and debris.	
2. Clean and prepare joint surfaces. Prime joint surfaces unless sealant manufacturer recommends against priming. Do not allow primer to spill or migrate onto adjoining surfaces.	
3. Fill sealant joints with specified joint sealant.	
a. Install cylindrical sealant backing beneath the sealant. Where space is insufficient for cylindrical sealant backing, install bond-breaker tape.	
b. Install sealant using only proven installation techniques that ensure that sealant is deposited in a uniform, continuous ribbon, without gaps or air pockets, and with complete wetting of the joint bond surfaces equally on both sides. Fill joint flush with surrounding masonry and matching the contour of adjoining mortar joints.	
c. Install sealant as recommended in writing by sealant manufacturer but within the following general limitations, measured at the center (thin) section of the bead:	
1) Fill joints to a depth equal to joint width, but not more than 1/2 inch (13 mm) deep or less than 1/4 inch (6 mm) deep.	
d. Tool sealant to smooth, uniform beads, slightly concave. Remove excess sealant from surfaces adjacent to joint.	
e. Sanded joints: Immediately after first tooling, apply ground-mortar aggregate to sealant, gently pushing aggregate into the surface of sealant. Lightly retrow sealant to form smooth, uniform beads, slightly concave. Remove excess sealant and aggregate from surfaces adjacent to joint.	
f. Do not allow sealant to overflow or spill onto adjoining surfaces, or to migrate into the voids of adjoining surfaces, particularly rough textures. Remove excess and spillage of sealant promptly as the work progresses. Clean adjoining surfaces by the means necessary to eliminate evidence of spillage, without damage to adjoining surfaces or finishes, as demonstrated in an approved mockup.	
G. Where repointing work precedes cleaning of existing masonry, allow mortar to harden at least 30 days before beginning cleaning work.	
3.4 FINAL CLEANING	
A. After mortar has fully hardened, thoroughly clean exposed masonry surfaces of excess mortar and foreign matter; use wood scrapers, stiff nylon or -fiber brushes, and clean water applied by low-pressure spray.	
1. Do not use metal scrapers or brushes.	
2. Do not use acidic or alkaline cleaners.	
B. Clean adjacent nonmasonry surfaces. Use detergent and soft brushes or cloths.	
C. Clean mortar and debris from roof; remove debris from gutters and downspouts. Rinse off roof and flush gutters and downspouts.	
D. Remove masking materials, leaving no residues that could trap dirt.	
END OF SECTION 040120.64	

SECTION 04 0123 - BRICK MASONRY REPAIR	
PART 1 - GENERAL	
1.1 SUMMARY	A. This Section Features:
1. Repairing brick masonry including removal and replacement of bricks and mortar.	
2. Cleaning existing brick.	
B. Related Requirements:	
1. Section 04 2000 "Unit Masonry" for new masonry construction and remodeling of interior masonry.	
1.2 SUBMITTALS	A. See Section 01 3300 "Submittals Procedures" for additional requirements.
B. Product Data: For each type of product.	
1. Include construction details, material descriptions, compliance with specified standards, dimensions of individual components and profiles, and finishes.	
2. Include suction rate of replacement brick.	
C. Samples: Submit sample of 3 bricks representative of brick to be furnished for new work.	
D. Qualification Data: For masonry foreman.	
1.3 QUALITY ASSURANCE	A. Brick Masonry Repair Specialist's Qualifications: Engage an experienced brick masonry repair firm to perform work of this Section. Firm shall have completed work similar in material, design, and extent to that indicated for this Project with a record of successful in-service performance.
1. Experience only in installing masonry is insufficient experience for masonry repair work.	
2. Field Supervisor: Brick masonry repair specialist firm shall maintain experienced full-time supervisors on Project site during times that brick masonry repair work is in progress.	
1.4 DELIVERY, STORAGE, AND HANDLING	A. Deliver packaged materials to Project site in manufacturer's original and unopened containers, labeled with manufacturer's name and type of products.

B. Store cementitious materials on elevated platforms, under cover, and in a dry location. Do not use cementitious materials that have become damp.	
C. Store hydrated lime in manufacturer's original and unopened containers. Discard lime if containers have been damaged or have been opened for more than two days.	
D. Store sand where grading and other required characteristics can be maintained and contamination avoided.	
1.5 FIELD CONDITIONS	A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit brick masonry repair work to be performed according to product manufacturers' written instructions and specified requirements.
B. Temperature Limits: Repair masonry units only when air temperature is between 40 and 90 deg F and is predicted to remain so for at least seven days after completion of the Work.	
C. Limits for Wind: Do report work only when wind will not create excessive evaporation for at least 72 hours after installation.	
PART 2 - PRODUCTS	
2.1 BRICK MATERIALS	A. Replacement Brick: Any sound used brick approximating color and texture of existing brick, and sized to match existing.
1. Obtain replacement brick from source of sufficient quantity that some of the source brick may be destroyed in order to prove brick's soundness.	
2. For purposes of payment, such tested brick shall be considered the same as brick furnished for actual repairs.	
2.2 MORTAR MATERIALS	A. Portland Cement: ASTM C 150, Type I or Type II, gray.
1. Provide cement containing not more than 0.60 percent total alkali when tested per ASTM C 114.	
B. Hydrated Lime: ASTM C 207, Type S.	
C. Masonry Cement: Not allowed.	
D. Mortar Cement: Not allowed.	
E. Mortar Sand: ASTM C 144.	
F. Water: Potable.	
2.3 MORTAR MIXES	A. Measurement and Mixing: Measure cementitious materials and sand in a dry condition by volume or equivalent weight. Do not measure by shovel; use known measure. Mix materials in a clean, mechanical batch mixer.
B. Do not use admixtures in mortar unless approved by Architect.	
C. Mixes: Mix mortar materials per ASTM C 270, Proportion Specification, Type N with cementitious material limited to portland cement and lime.	
1. Adjust quantities as required to produce dried mortar matching appearance of existing.	

PART 3 - EXECUTION	
3.1 PROTECTION	A. Prevent mortar from staining face of surrounding masonry and other surfaces.
1. Keep wall area wet below rebuilding and repair work to discourage mortar from adhering.	
2. Immediately remove mortar splatters in contact with exposed masonry and other surfaces.	
3.2 BRICK REPLACEMENT	A. Where bricks are discovered to be spalled or deteriorated beyond their surface, carefully remove entire units from joint to joint, without damaging surrounding masonry, in a manner that permits replacement with full-size units.
B. Support and protect remaining brick masonry that surrounds removal area.	
C. Maintain flashing, reinforcement, lintels, and adjoining construction in an undamaged condition.	
D. Install replacement brick after wetting of existing surfaces, matching bonding and coursing pattern of existing brick.	
E. Lay replacement brick with completely filled bed, head, and collar joints. Butter ends with enough mortar to fill head joints and shove into place. Wet replacement bricks that have ASTM C 67 initial rates of absorption (suction) of more than 30 g/30 sq. in. per min. Use wetting methods that ensure that units are nearly saturated but surface is dry when laid.	
F. Cure mortar by maintaining in thoroughly damp condition for at least 72 consecutive hours, including weekends and holidays.	
1. Hairline cracking within the mortar or mortar separation at edge of a joint is unacceptable. Completely remove such mortar and repoint.	
3.3 MORTAR PATCHING	A. Patch existing exterior mortar between bricks at building faces so that mortar between existing brick is free of voids and weak mortar. Replace all voids, cracks and weak mortar with new mortar, as follows.
B. Rake out and repoint joints at:	
1. Holes and missing mortar.	
2. Cracks that can be penetrated 1/4 inch or more by a knife blade 0.027 inch thick.	
3. Hollow-sounding joints when tapped by metal object.	
4. Eroded surfaces 1/4 inch or more deep.	
5. Mortar that is unable to withstand 50% of the force that can be applied with tools to sound mortar.	
C. Rake out joints as follows:	
1. Remove mortar from joints to depth of 2 times joint width, but not less than 1/2 inch or not less than that required to expose sound, unweathered mortar. Do not remove unsound mortar more than 2 inches deep. Do not spill edges of masonry units or widen joints.	
2. Remove mortar from masonry surfaces within raked-out joints to provide reveals with square backs and to expose masonry for contact with pointing mortar. Brush, vacuum, or flush joints to remove dirt and loose debris.	
3. Cut out holes sufficient to receive a mortar patch plug at least 7/16 inch thick in any dimension.	
4. Remove loose/weak mortar and adjacent brick materials. Carefully remove additional material so patch does not have feathered edges but has square or slightly undercut edges on area to be patched.	
D. Pointing with Mortar:	
1. Rinse joint surfaces with water to remove dust and mortar particles. Time rinsing application so, at time of pointing, joint surfaces are damp but free of standing water. If rinse water dries, dampen joint surfaces before pointing.	
2. Apply pointing mortar first to areas where existing mortar was removed to depths greater than surrounding areas. Apply in layers not greater than 3/8 inch until a uniform depth is formed. Fully compact each layer, and allow it to become thumbprint hard before applying next layer.	
3. Where existing masonry units have worn or rounded edges, slightly recess finished mortar surface below face of masonry to avoid widened joint faces.	
4. Cure mortar by maintaining in thoroughly damp condition for at least 72 consecutive hours, including weekends and holidays.	
5. Hairline cracking within mortar or mortar separation at edge of a joint is unacceptable. Completely remove such mortar and repatch.	
6. Allow mortar to extrude itself outside of brick faces, to match existing brick construction.	
E. Tooling: When mortar is thumbprint hard, tool all joints to provide water-resistant barrier, matching appearance of mortar in existing brick masonry.	
3.4 FINAL CLEANING	A. After mortar has fully hardened, clean existing exterior masonry surfaces of excess mortar.
1. Do not use metal scrapers or brushes.	
2. Do not use acidic or alkaline cleaners.	
B. Clean adjacent non-masonry surfaces of spare mortar. Use detergent and soft brushes.	
3.5 MASONRY WASTE DISPOSAL	A. Salvageable Materials: Unless otherwise indicated, excess masonry materials are Contractor's property.
B. Masonry Waste: Remove masonry waste and legally dispose of off Owner's property.	
END OF SECTION	



SECTION 04 2000 - UNIT MASONRY

PART 1 - GENERAL

1.1 SUMMARY

A. This Section Features Work for New Construction, Including:

1. Clay face brick.

2. Mortar and grout.

3. Ties and anchors.

4. Embedded flashings.

B. Related Requirements:

1. Section 04 0120 "Unit Masonry Restoration" for repairs to existing brick masonry.

1.2 SUBMITTALS

A. See Section 01 3300 "Submittal Procedures."

B. Product Data: For each type of product.

1. Include for each type of masonry its manufacturer's recommended cleaning procedures.

C. Samples for Initial Selection:

1. Clay face brick, in the form of straps of three or more bricks.

2. Colored mortar.

D. Mix Designs: For mortar. Include description of type and proportions of ingredients.

1. Include test reports for mortar mixes required to comply with property specification. Test according to ASTM C 109/C 109M for compressive strength, ASTM C 1506 for water retention, and ASTM C 91/C 91M for air content.

E. Cold-Weather and Hot-Weather Procedures: Detailed description of methods, materials, and equipment to be used to comply with requirements.

1.3 QUALITY ASSURANCE

A. Coordination: Coordinate with hollow metal door frame installers for required grouting.

B. Masonry Standard: Comply with TMS 602/ACI 530.1/ASCE 6, except as modified by requirements in Contract Documents.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Store masonry units on elevated platforms in a dry location. If units are not stored in an enclosed location, cover tops and sides of stacks with waterproof sheeting, securely tied. If units become wet, do not install until they are dry.

B. Store cementitious materials on elevated platforms, under cover, and in a dry location. Do not use cementitious materials that have become damp.

C. Store aggregates where grading and other required characteristics can be maintained and contamination avoided.

D. Deliver prebanded, dry mortar mix in moisture-resistant containers. Store prebanded, dry mortar mix in delivery containers on elevated platforms in a dry location or in covered waterproof dispensing silos.

E. Store masonry accessories, including metal items, to prevent corrosion and accumulation of dirt and oil.

1.5 FIELD CONDITIONS

A. Protection of Masonry: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each day's work. Cover partially completed masonry when construction is not in progress.

1. Extend cover a minimum of 24 inches down both sides of walls, and anchor cover securely in place.

2. Where one wythe of multiwythe masonry walls is completed in advance of other wythes, securely cover a minimum of 24 inches down the face next to unconstructed wythe, and fix cover in place.

B. Stain Prevention: Prevent grout, mortar, and soil from staining exposed face of masonry. Immediately remove grout, mortar, and soil that come in contact with such masonry.

1. Protect base of walls from rain-splashed mud and from mortar splatter by spreading coverings on ground and over wall surface.

2. Protect sills, ledges, and projections from mortar droppings.

3. Protect surfaces of window and door frames, as well as similar products with painted and integral finishes, from mortar droppings.

4. Turn scaffold boards near the wall on edge at the end of each day to prevent rain from splashing mortar and dirt onto completed masonry.

C. Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Remove and replace unit masonry damaged by frost or by freezing conditions. Comply with cold-weather construction requirements contained in TMS 602/ACI 530.1/ASCE 6.

1. Cold-Weather Cleaning: Use liquid cleaning methods only when air temperature is 40 deg F and higher and will remain so until masonry has dried, but not less than seven days after completing cleaning.

D. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in TMS 602/ACI 530.1/ASCE 6.

PART 2 - PRODUCTS

2.1 UNIT MASONRY, GENERAL

A. Source Limitations for Masonry Units: Obtain exposed masonry units from single source and manufacturer for each product type.

B. Defective Units: Referenced masonry unit standards may allow a certain percentage of units to contain chips, cracks, or other defects exceeding limits stated. Do not use units where such defects are exposed in the completed Work and will be within 20 feet vertically and horizontally of a walking surface.

2.2 BRICK

A. Clay Face Brick: Facing brick complying with ASTM C 216.

1. Grade: SW.

2. Type: To match existing.

3. Initial Rate of Absorption: Less than 30 g/30 sq. in. per minute when tested according to ASTM C 67.

4. Efflorescence: Tested per ASTM C 67 and rated "not effloresced."

5. Size: Modular Unit, matching existing

6. Color and Texture: Match existing and as selected by Owner.

2.3 MORTAR AND GROUT MATERIALS

A. Portland Cement: ASTM C 150/C 150M, Type I or II, except Type III may be used for cold-weather construction. Provide natural color.

1. Alkali content shall not be more than 0.1 percent when tested per ASTM C 114.

B. Hydrated Lime: ASTM C 207, Type S.

C. Portland Cement-Lime Mix: Packaged blend of portland cement and hydrated lime containing no other ingredients.

D. Masonry Cement: NOT allowed.

E. Mortar Cement: NOT allowed.

F. Aggregate for Mortar: Washed natural sand or crushed stone meeting ASTM C 144.

G. Cold-Weather Admixture: Nonchloride, noncorrosive, accelerating admixture complying with ASTM C 494/C 494M, Type C, and recommended by manufacturer for use in masonry mortar of composition indicated.

H. Water: Potable.

2.4 TIES AND ANCHORS

A. General: Ties and anchors shall extend at least 1-1/2 inches into veneer but with at least a 5/8-inch cover on outside face.

B. Adjustable Masonry-Veneer Anchors:

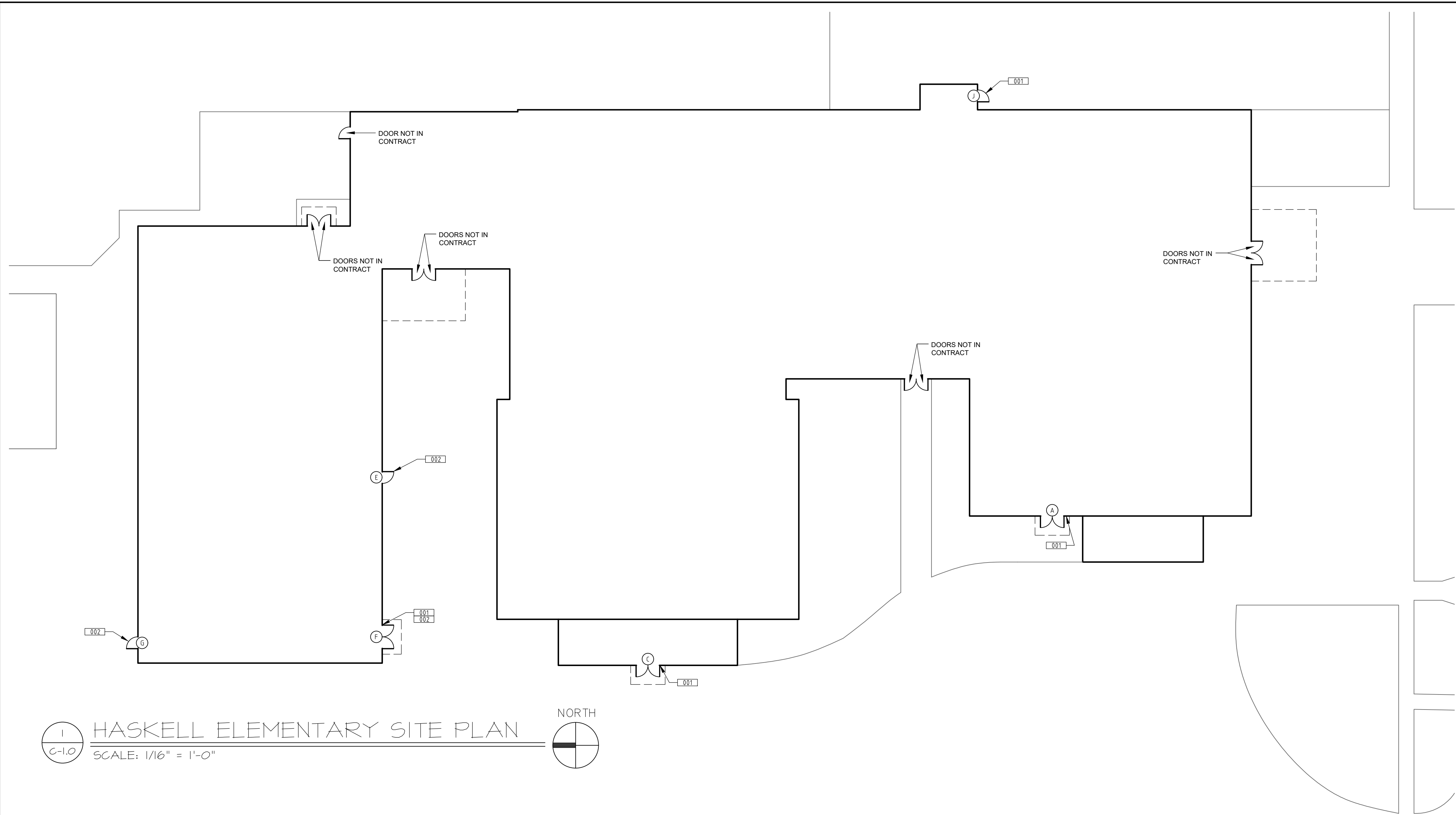
1. Type: Provide anchors that allow vertical adjustment but resist a 100-lbf load in tension and compression perpendicular to plane of wall without deforming or developing play in excess of 1/16 inch.

2. Material: Steel, galvanized with 2.00 oz per sq ft zinc coatings per ASTM A 153, class B2.

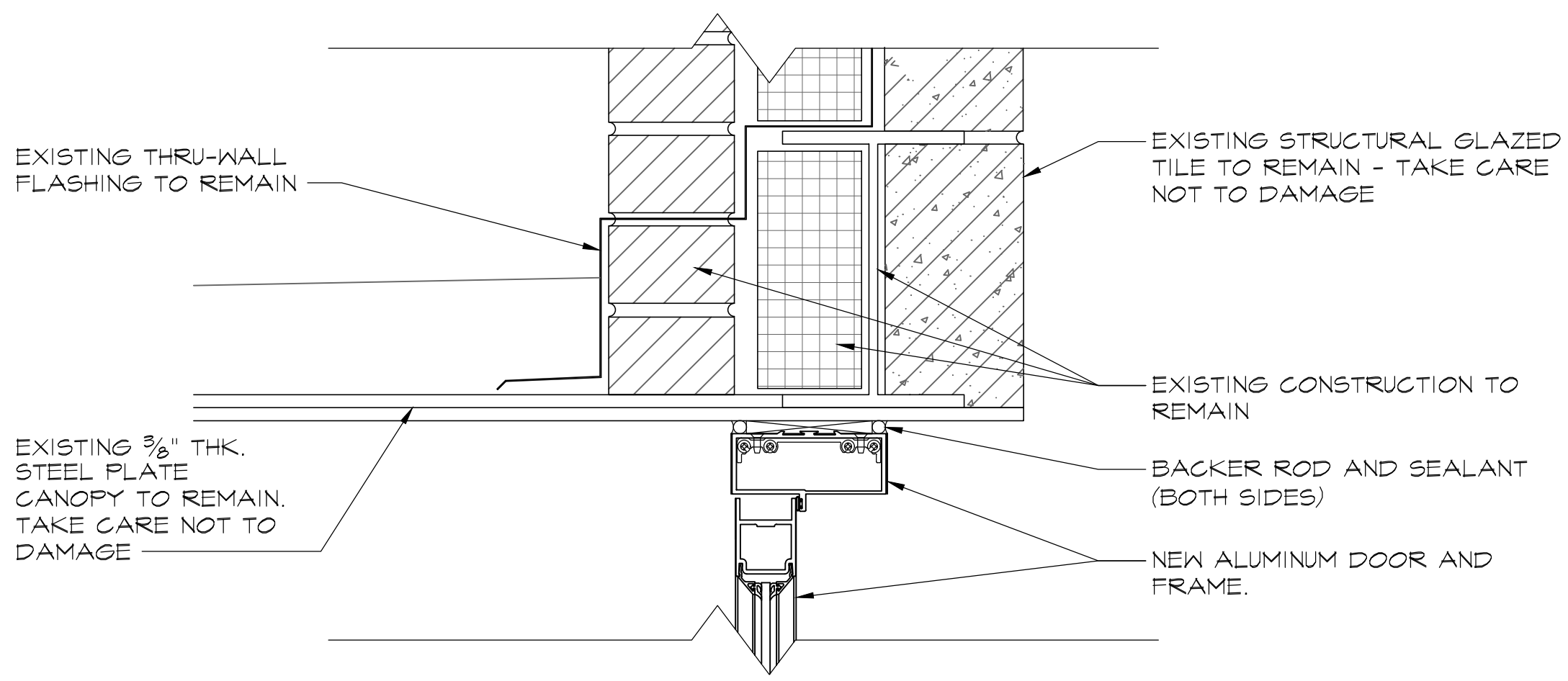
3. Screws at Steel Studs: ASTM C 954 except manufactured with hex washer head and neoprene or EPDM washer, No. 10 diameter by length required to penetrate steel stud flange with not less than three exposed threads, and with organic polymer coating with salt-spray resistance to red rust of more than 800 hours per ASTM B 117.

4. Screws at Steel Studs: ASTM C 954 except manufactured with hex washer head and neoprene or EPDM washer, No. 10 diameter by length required to penetrate steel stud flange with not less than three exposed threads; either made from Type 410 stainless steel or made with a carbon-steel drill point and 300 Series stainless-steel shank.

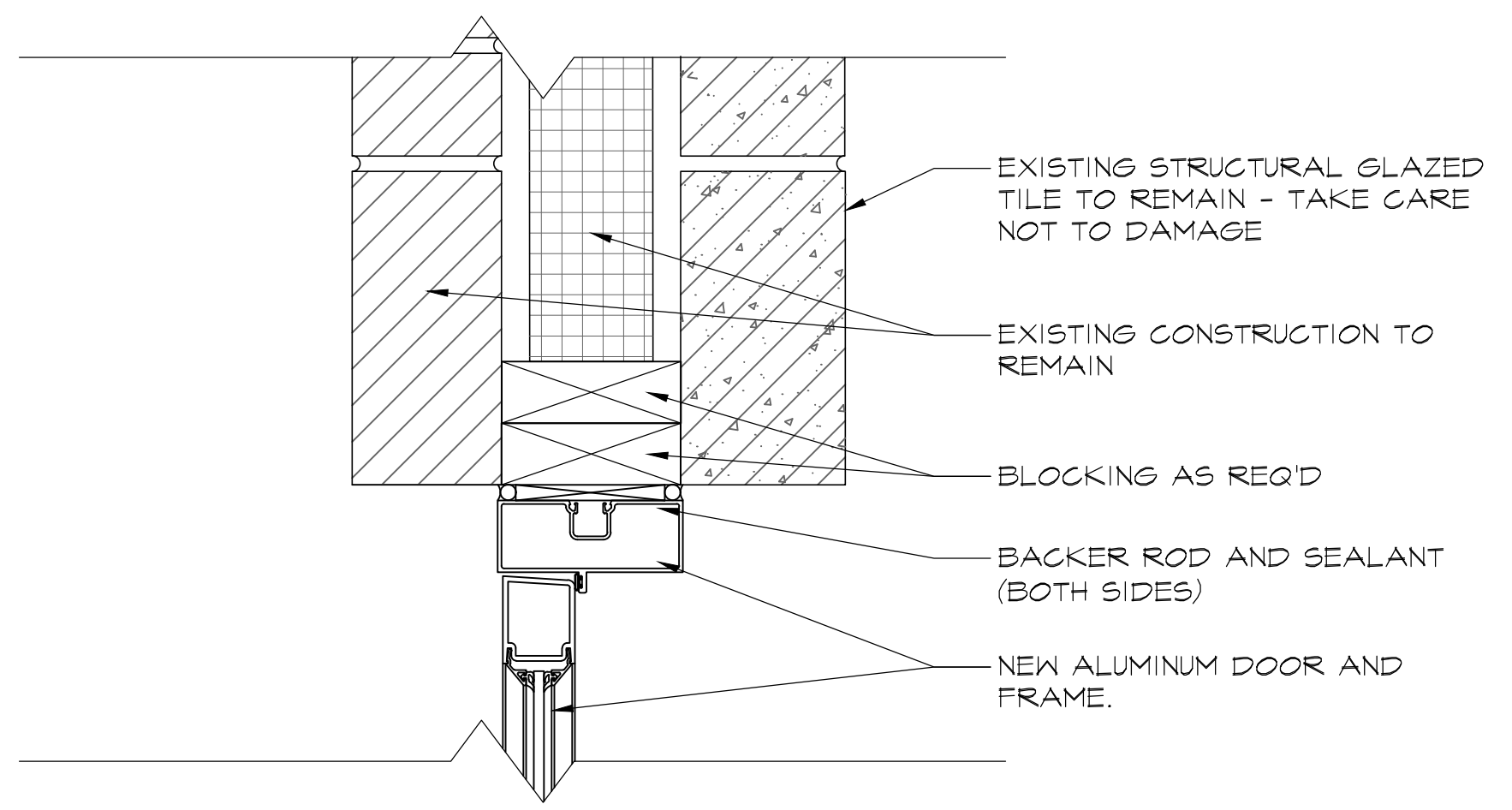
SECTION CONTINUES ON SHEET G-1.2



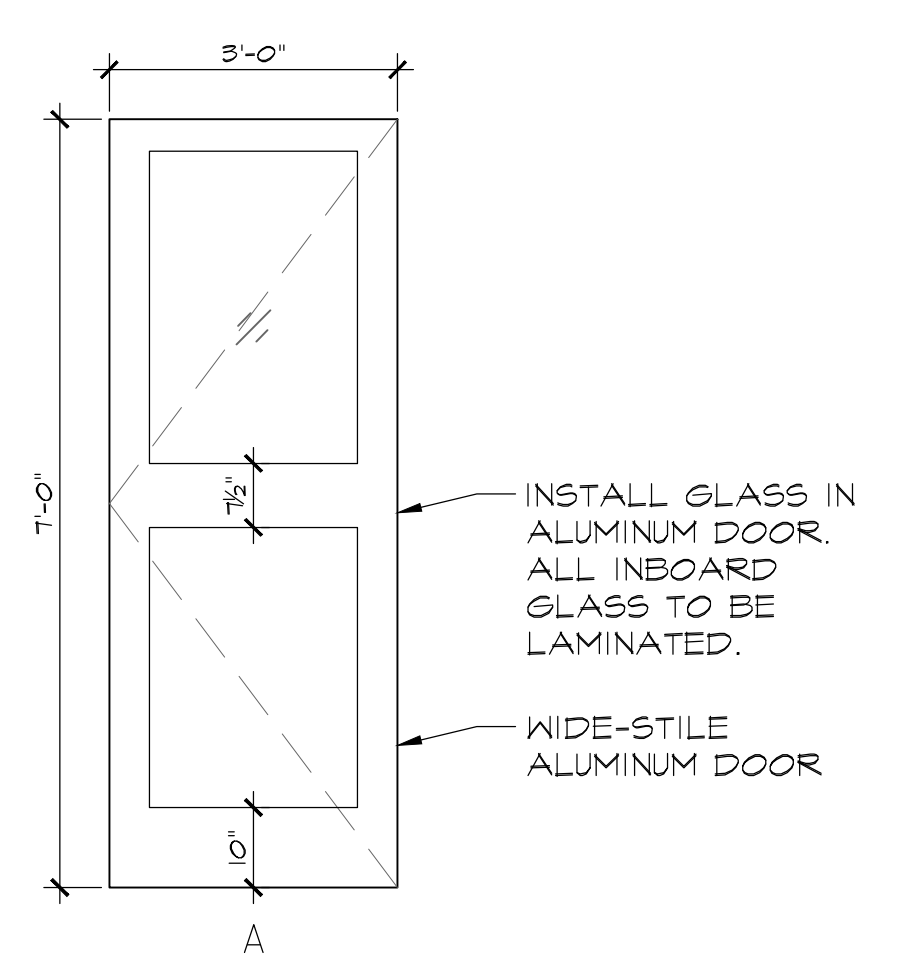
1 HASKELL ELEMENTARY SITE PLAN
SCALE: 1/16" = 1'-0"
NORTH



2 DOOR DETAIL @ HEAD
SCALE: 1/2" = 1'-0"



3 DOOR DETAIL @ JAMB
SCALE: 1/2" = 1'-0"



4 DOOR TYPE SCHEDULE
SCALE: 1/2" = 1'-0"

KEYNOTES (THIS SHEET ONLY)

001 PROXIMITY READER/CONTACT SWITCHES TO BE REMOVED AND REINSTALLED BY OTHERS

002 NEW DOOR TO RECEIVE FROSTED GLASS. DOOR CONTACT SWITCHES BY OTHERS.

LEGEND OF SYMBOLS (THIS SHEET ONLY)

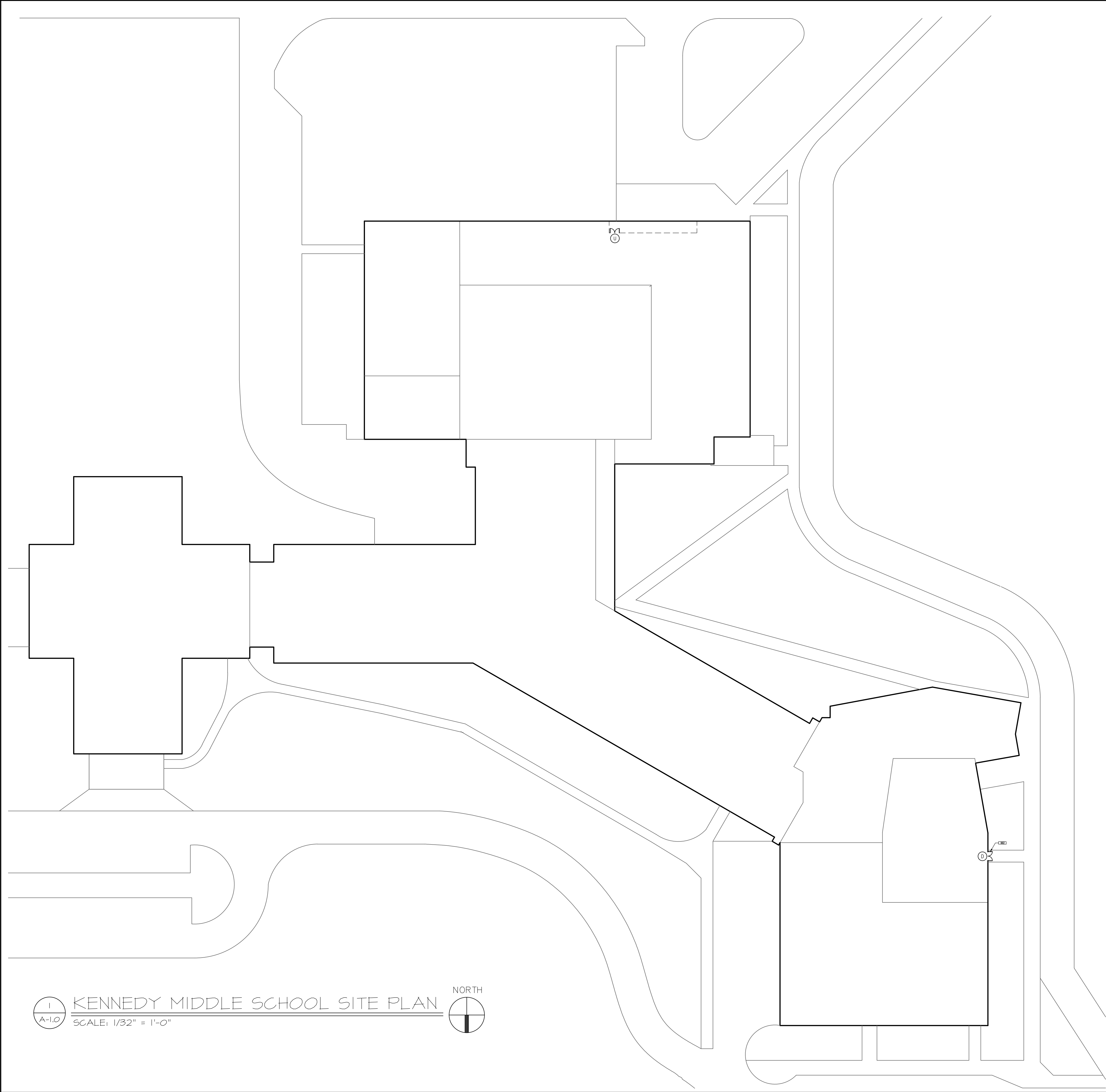
0 DOOR TAG - SEE DOOR SCHEDULES AND DETAILS ON THIS SHEET

DOOR SCHEDULE				
DOOR	DOOR TYPE	DIMENSION	HARDWARE	REMARKS
A	A	(2) 3' x 7'	SET #01	SEE SHEET G-1.2 FOR MORE INFO.
C	A	(2) 3' x 7'	SET #01	SEE SHEET G-1.2 FOR MORE INFO.
E	A	3' x 7'	SET #04	SEE SHEET G-1.2 FOR MORE INFO.
F	A	(2) 3' x 7'	SET #01	SEE SHEET G-1.2 FOR MORE INFO.
G	A	3' x 7'	SET #04	SEE SHEET G-1.2 FOR MORE INFO.
J	A	3' x 7'	SET #03	SEE SHEET G-1.2 FOR MORE INFO.

1919 Architects

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Rockford, IL 61107
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www.1919architects.com

ARCHITECT	OWNER	CONTRACTOR	BIDDING CO.
HASKELL/KENNEDY DOOR REPLACEMENT		520 N. PIERPONT AVE. ROCKFORD IL, 61103	ROB
515 MAPLE ST. ROCKFORD IL, 61103		JMK	Appd
21-15410		04-15-2022	Pos
Project Number		Pos	Pos
Rev. Date			
Sheet No:			
C-1.0			



LEGEND OF SYMBOLS

(THIS SHEET ONLY)

1 DOOR TAG - SEE DOOR TYPE SCHEDULE AND DETAILS ON C-1.0

DOOR SCHEDULE

DOOR	DOOR TYPE	DIMENSION	HARDWARE	REMARKS
D	A	(2) 3' x 7'	SET #02	SEE SHEET G-1.2 FOR MORE INFO.
U	A	(2) 3' x 7'	SET #02	SEE SHEET G-1.2 FOR MORE INFO.

KEYNOTES

(THIS SHEET ONLY)

1 NEW DOOR TO RECEIVE FROSTED GLASS. DOOR CONTACT SWITCHES BY OTHERS.

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HASKELL/KENNEDY DOOR REPLACEMENT

515 MAPLE ST.
ROCKFORD IL,
61103

2-13-10

04-15-2012

JKK

RGB

Appd.

Drn.

Project Number

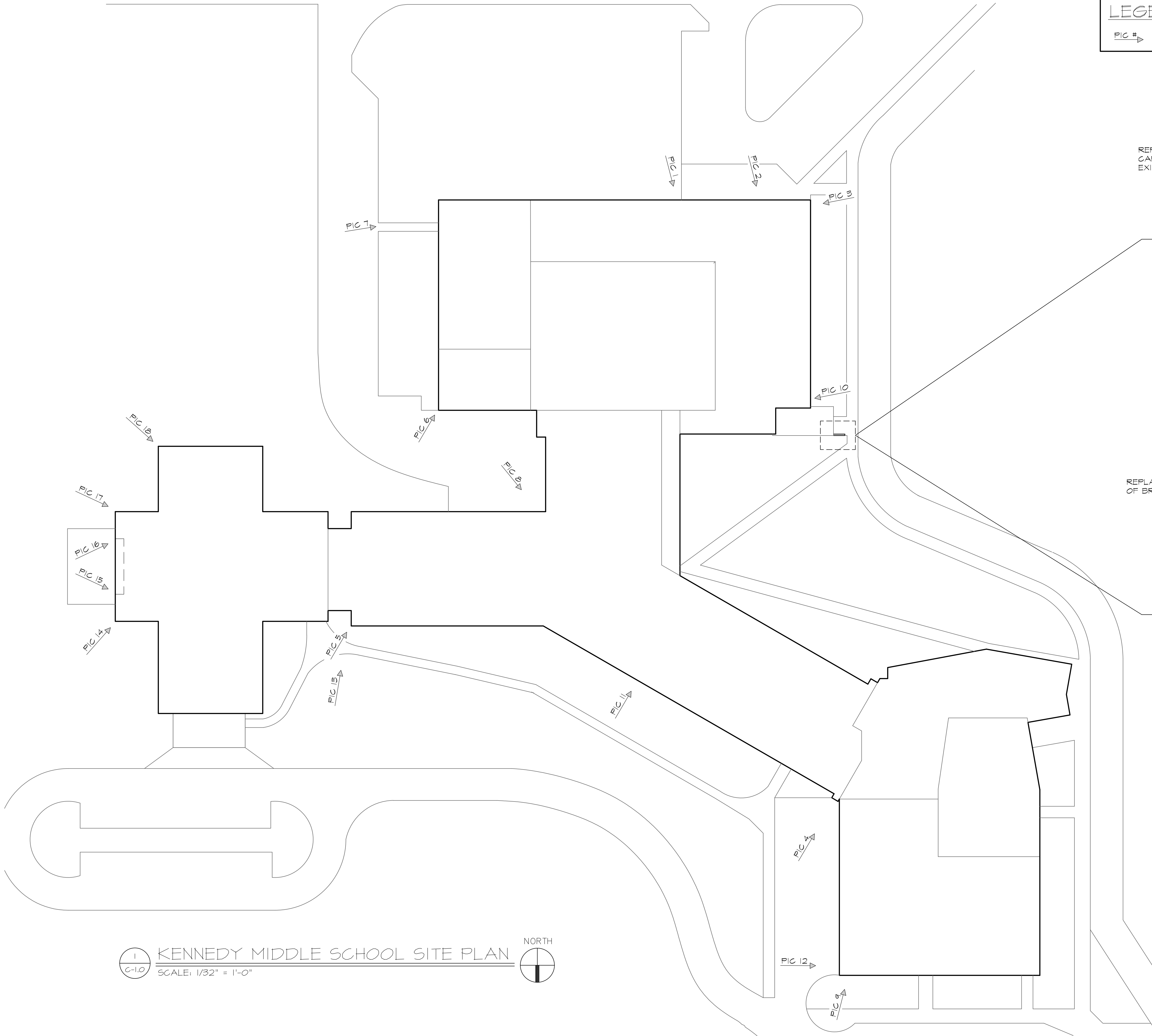
Date

KENNEDY SITE PLAN (DOORS)

Rev. Date

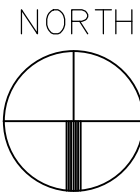
Sheet No.

C-1.1



1
C-1.0

KENNEDY MIDDLE SCHOOL SITE PLAN
SCALE: 1/32" = 1'-0"



LEGEND OF SYMBOLS

(THIS SHEET ONLY)

PIC # LOCATION PICTURE WAS TAKEN - SEE SHEET C-2.1 FOR MASONRY PHOTOS

REPLACE STONE
CAP - MATCH
EXISTING

13"

8 5/8"

15"

3 5/8"

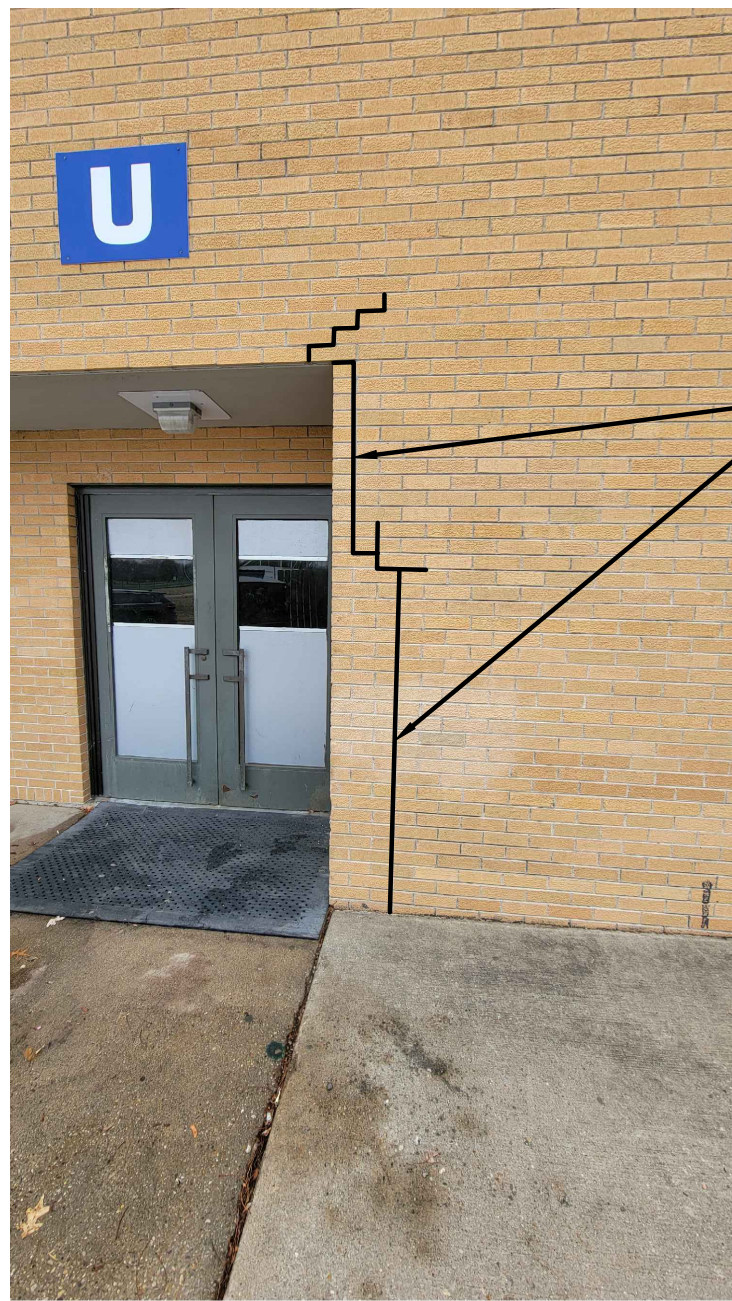
REPLACE AREA
OF BRICK WALL

GENERAL NOTES

1. ALL MASONRY CONTROL JOINTS AND AREAS OF DAMAGED CONTROL JOINT SEALANT ARE TO BE REMOVED AND REPLACED (NOTE: NOT ALL LOCATIONS ARE NOTED BUT ALL ACTUAL LOCATIONS ARE TO BE REPLACED). SEE DETAILS ON G-1.3.



1919 Architects 400 Mosley Drive Rockford, IL 61107 (815) 229-8222 www.1919architects.com	
1919 Architects	
HASKELL/KENNEDY DOOR REPLACEMENT	
515 MAPLE ST. ROCKFORD IL, 61103	520 N. PIERPONT AVE. ROCKFORD IL, 61103
2-11-2010	04-15-2012
Project Number	Date
JMK	RGB
Architect	Owner
Contractor	Bonding Co.
Kennedy Site Plan (Masonry)	
Rev.	Date
Sheet No.	
C-2.0	



PIC 1
NOT TO SCALE

REPLACE
EXPANSION JOINT
SEALANT, BRICK
AND MORTAR
WHERE
NECESSARY

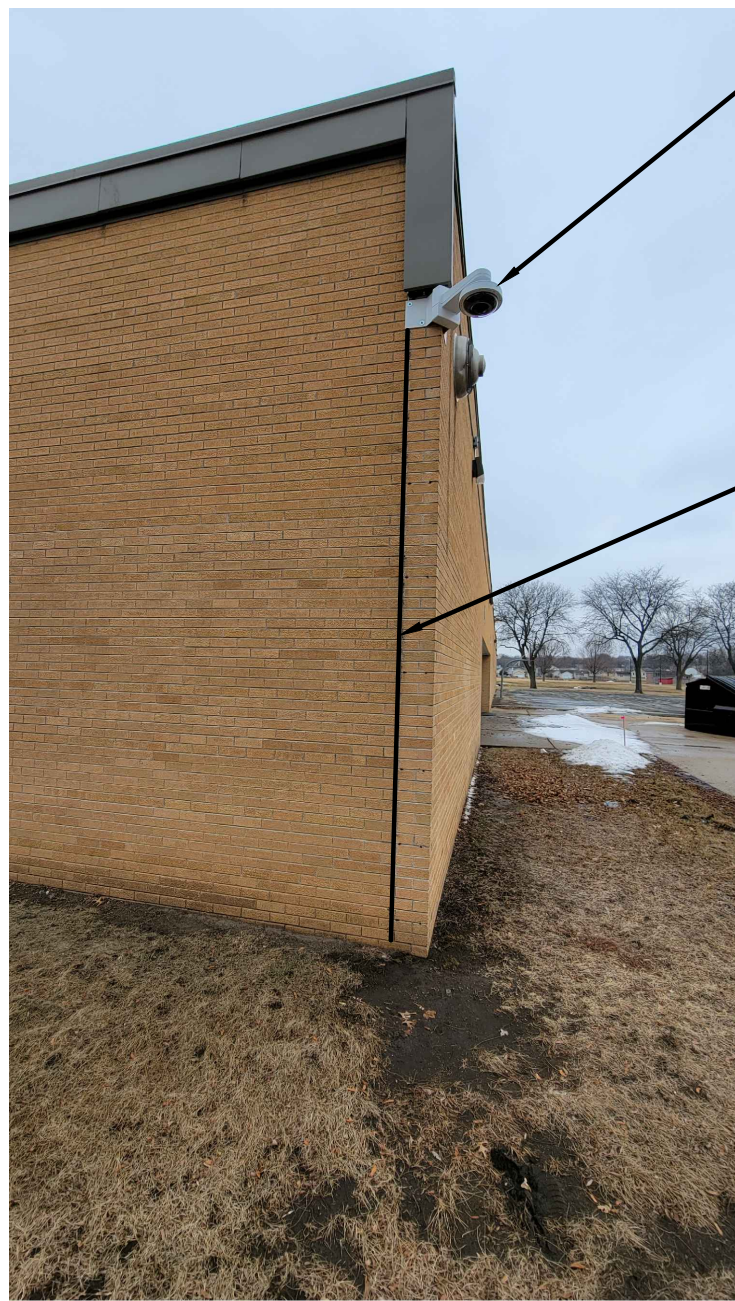
SEE BRICK/MASONRY POINTING
DETAILS ON G-1.3

NOTE: ALL HATCHED AREAS
OF PHOTOS ARE TO BE
GROUND AND REPOINTED PER
DETAILS ON G-1.3.



PIC 2
NOT TO SCALE

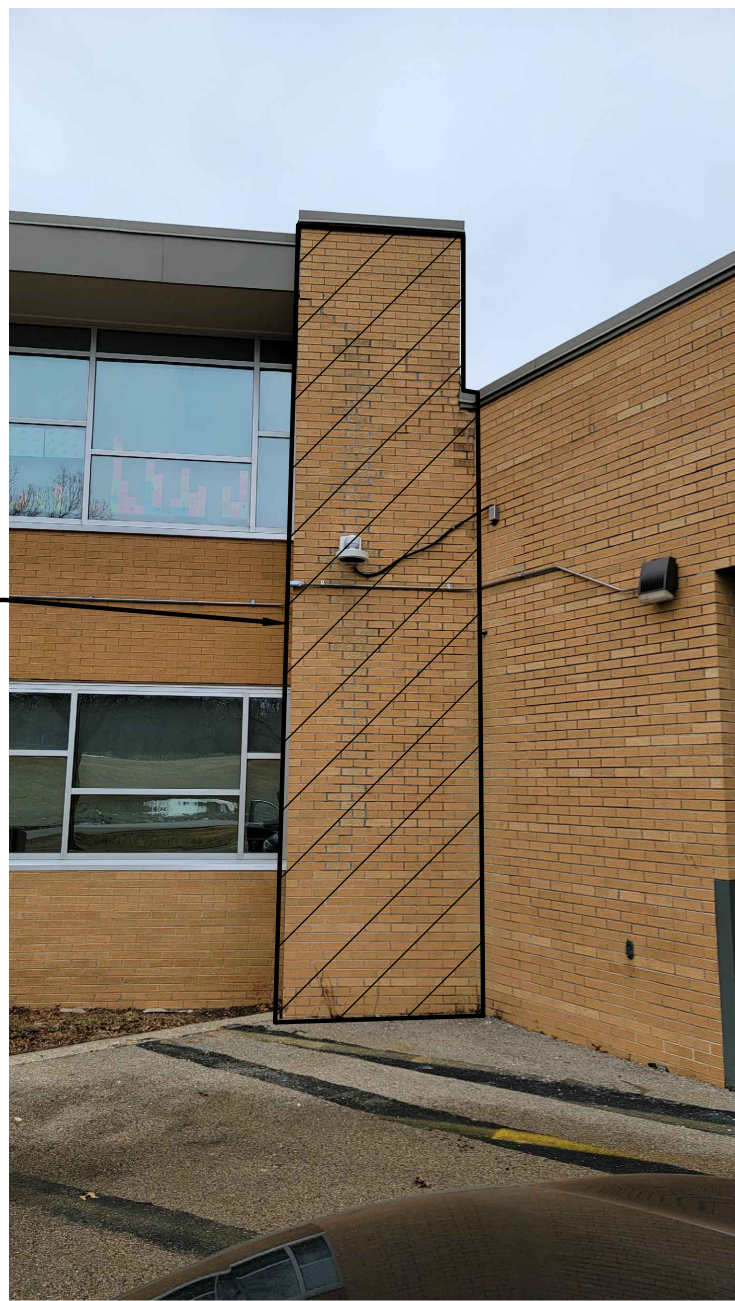
WALL MOUNTED LIGHT FIXTURE TO BE
REMOVED AND REINSTALLED AS
NECESSARY BY OTHERS



PIC 3
NOT TO SCALE

TEMPORARILY
REMOVE AND
REINSTALL
WALL-MOUNTED
SECURITY CAMERA
AS NECESSARY FOR
COMPLETION OF
WORK IN THIS AREA.
(BY OTHERS)

REPLACE
EXPANSION JOINT
SEALANT, BRICK
AND MORTAR
WHERE NECESSARY



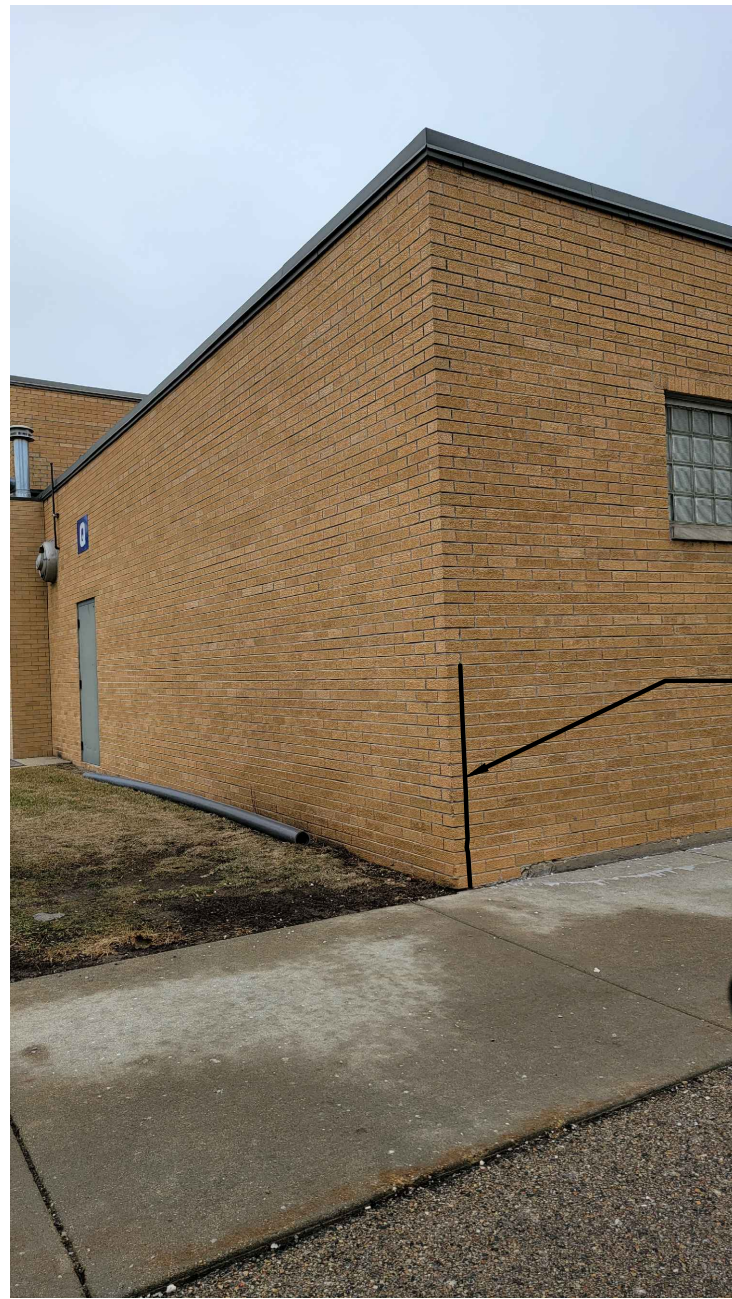
PIC 4
NOT TO SCALE

REPLACE BRICK
AND MORTAR AS
NECESSARY -
MATCH EXISTING



PIC 5
NOT TO SCALE

REPLACE
EXPANSION JOINT
SEALANT, BRICK
AND MORTAR AS
NECESSARY



PIC 6
NOT TO SCALE

SEE SHEET C-2.0
FOR PHOTO
LOCATIONS

ASSUME 3000 LINEAR
FT. OF MASONRY
GROUNDING AND
POINTING

REPLACE
EXPANSION JOINT
SEALANT OR
MORTAR WHERE
NECESSARY

ASSUME 550 LINEAL
FEET OF JOINT
SEALANT

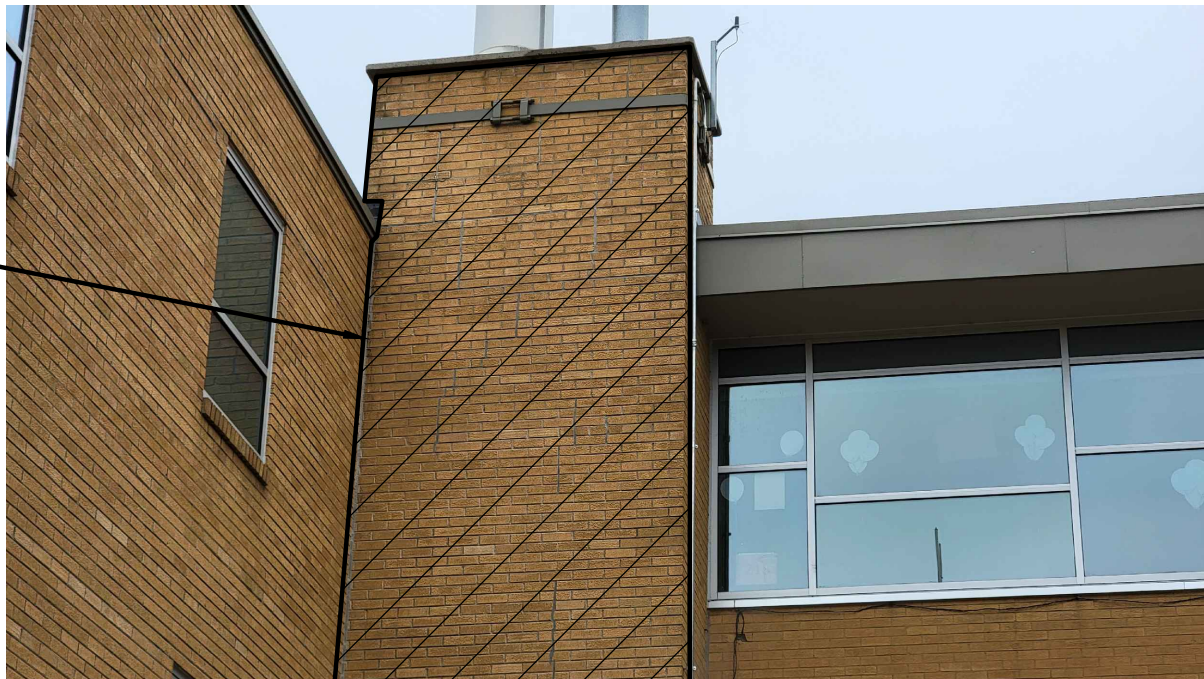
ASSUME 500
BRICKS FOR
REPLACEMENT AT
KENNEDY



PIC 7
NOT TO SCALE

REPLACE EXPANSION
JOINT SEALANT,
BRICK, AND MORTAR
WHERE NECESSARY

REPLACE
EXPANSION JOINT
SEALANT, BRICK,
AND MORTAR
WHERE NECESSARY
ON ENTIRE
CHIMNEY



PIC 8
NOT TO SCALE

WALL MOUNTED
LIGHT FIXTURE TO
BE REMOVED AND
REINSTALLED AS
NECESSARY BY
OTHERS



PIC 9
NOT TO SCALE

REPLACE BRICK,
MORTAR, AND
EXPANSION JOINT
SEALANT AS
NECESSARY

WALL MOUNTED
LIGHT FIXTURE TO
BE REMOVED AND
REINSTALLED AS
NECESSARY BY
OTHERS

REPLACE BRICK,
MORTAR, AND
EXPANSION JOINT
SEALANT AS
NECESSARY



PIC 12
NOT TO SCALE



PIC 13
NOT TO SCALE

REPLACE BRICK
AND MORTAR AS
NECESSARY -
MATCH EXISTING

TEMPORARILY
REMOVE AND
REINSTALL
SPIGOT

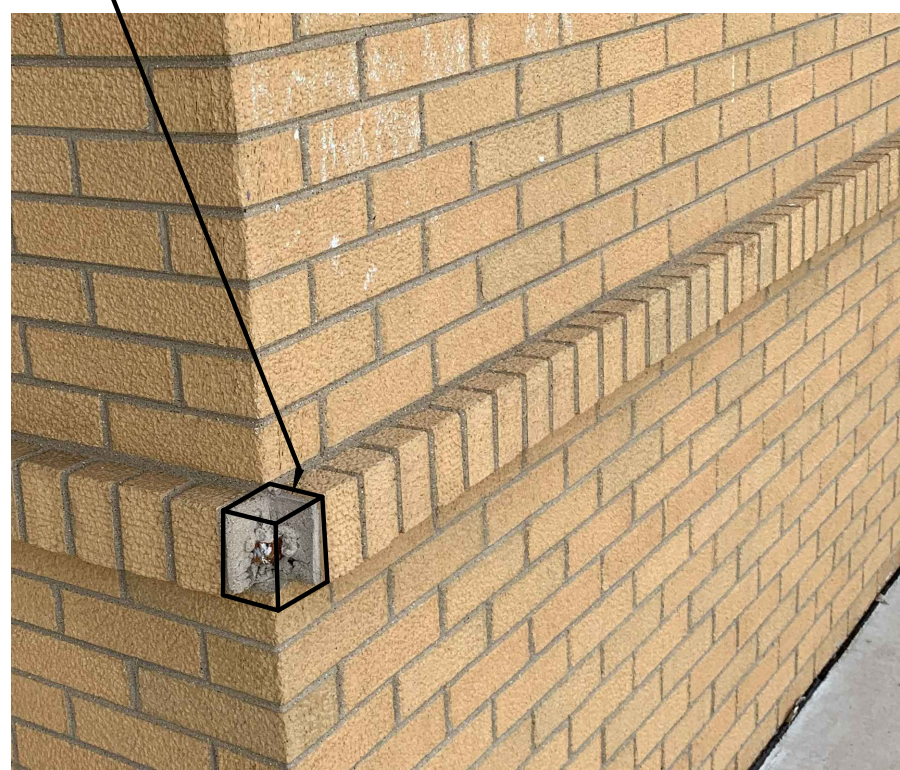


PIC 10
NOT TO SCALE



PIC 14
NOT TO SCALE

REPLACE BRICK AND MORTAR AS
NECESSARY



PIC 15
NOT TO SCALE

REPLACE BRICK AND MORTAR AS
NECESSARY



PIC 16
NOT TO SCALE

REPLACE BRICK AND
MORTAR AS
NECESSARY



PIC 17
NOT TO SCALE



PIC 18
NOT TO SCALE

1919
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HASKELL/KENNEDY DOOR REPLACEMENT

515 MAPLE ST.
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04-15-2022

2-15-2022

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