Addendum No. 3

January 25, 2024

Subject: 2024 MAINTENANCE REPAIRS
City of Dunwoody Parks – Shallowford Annex Building
4470 N. Shallowford Rd, Atlanta, GA 30338

1.0 DRAWINGS CHANGES

1.1 **How can this work best be phased in to meet the residence needs?**

1.1.1 **Sheet R4**

1.1.1.a Modifications were made to the Exterior Wall coatings specified for this project.

1.1.1.b Please note: Contractor may provide alternate material for Engineer approval. Technical Data Sheets and Material information is necessary for review.

1.1.2 **Sheet R9**

1.1.2.a Added the lower-level room on the east elevation near the north east corner. This is in detail 2/R9 and 1/R10.

1.1.2.b The approximate location of windows is show on elevation figures.

1.1.2.c Window sizes and estimated quantities were added. The contractor shall measure dimensions and confirm the quantities fit.

1.1.3 **Sheet R10**

1.1.3.a Added the lower-level room on the east elevation near the north east corner. This is in detail 1/R10 and 2/R9.

1.1.3.b The approximate location of windows is show on elevation figures.

1.1.3.c Window sizes and estimated quantities were added. The contractor shall measure dimensions and confirm the quantities fit.

1.1.4 **Sheet R11**

1.1.4.a Updated detail callouts.

1.1.4.b Added detail callout for wall section demo and wall section repair above the glass block tile.

1.1.4.c Provided a section callout for the window detail in 3/R11.

1.1.4.d Modified the wall section names for better clarity.

1.1.5 **Sheet R12**

1.1.5.a Modified the wall section name for better clarity.

1.1.6 **Sheet R15**

1.1.6.a Added detail 4/R15 to show schematic window in partial plan view within the radiused wall section.

2.0 PREBID QUESTIONS/CLARIFICATIONS

Below are the questions and answers from the Pre-bid meeting from August 10, 2022:

2.1 **What wall coating should be used?**

2.1.1 Each contractor shall price this project using a product they are qualified to use as described within the project drawings and specifications.

2.1.2 Please be sure to include at least (3) Mock-ups for this project for Owner review and approval prior to full application of coating.
2.1.3 The specified coatings may be seen on sheet R4.

2.2 **What bricks should be installed at repair locations and at new brick veneer build-out?**
2.2.1 Match existing in like kind. It is key to match size, shape and texture. Color shall be as close to original as possible.
2.2.2 Removed bricks may be stored and re-used if the contractors are able to carefully remove bricks without damaging them. Engineer and Owner shall approve the re-use of any bricks.

2.3 **Are we replacing all the windows on the building and resealing them?**
2.3.1 No, only 1 glass section is broken and requires replacement. All sealant repairs shall include the removing of the existing gland and wet sealing or wet glazing with the approved joint sealant material.

2.4 **Are we repairing the entire roof coping/cap flashing?**
2.4.1 No. Only the portions that are required to be removed for brick repairs (limit where possible) and at the radiused wall sections.

2.5 **Is the contractor required to touch up interior dry wall along the perimeter after repairs?**
2.5.1 Yes. The contractor shall touch up all paint in affected areas to match.

2.6 **Are windows required within the 2nd floor northeast corner office(this is the police virtual training room)?**
2.6.1 Yes. Drawings were modified to reflect the installation of windows within this unit.

2.7 **Will the contractors be responsible for removal of furniture, materials, etc. within units affected by construction?**
2.7.1 No. The City of Dunwoody will provide assistance with this. The contractor will be required to schedule and work closely with the City to ensure this happens.

2.8 **Is the level 1 assembly space in the northeast corner included in the block removal and replacement?**
2.8.1 Yes. Drawings were modified to reflect this removal and replacement. This is shown in detail 2/R9 and 1/R10.

2.9 **Is there a specified start or end date required?**
2.9.1 City of Dunwoody to provide a response.

3.0 CLOSING

3.1

Sincerely,
SGS TEC Services, Inc. & J. Lloyd Engineering, LLC

Joshua R. Lloyd, P.E.
Consulting Engineer - JLE

Brian J. Wolfe, PE
Principal Engineer - SGS

----------END OF ADDENDUM No. 3----------

2024 MAINTENANCE REPAIRS
CITY OF DUNWOODY - PARKS & RECREACTION
SHALLOWFORD ANNEX BUILDING
4470 N Shallowford Rd, Atlanta, GA 30338

FOR BID

CITY OF DUNWOODY OFFICIALS
BRENT WALKER, PARKS & RECREATION DIRECTOR
GABE NEPS, PARKS OPERATION MANAGER
ERIC LINTON, CITY MANAGER
LYNN DEUTSCH, MAYOR

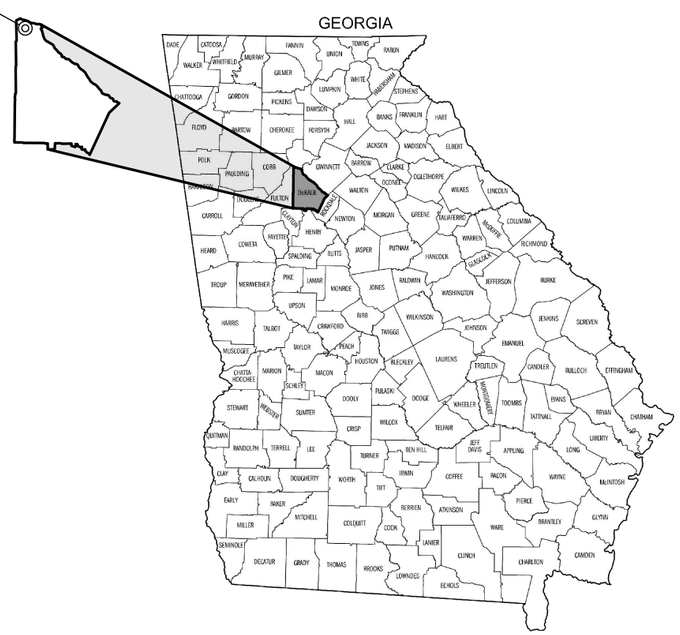
STRUCTURAL & WATERPROOFING CONSULTANT:
J. LLOYD ENGINEERING, LLC
JOSHUA R. LLOYD, PE
JLE PROJECT NO. 22608

MATERIALS ENGINEER:
SGS TEC SERVICES
BRIAN J. WOLFE, PE
Project No. 22131

DRAWING INDEX:

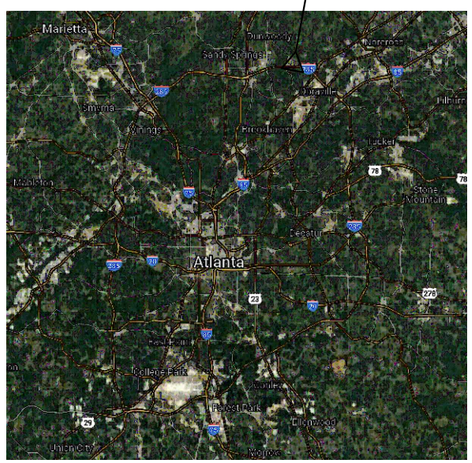
PROJECT LOCATION

DEKALB COUNTY

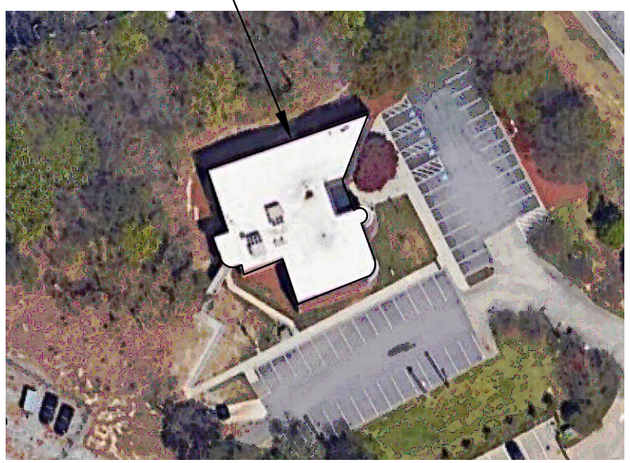


VICINITY MAP

PROJECT SITE



BUILDING EXTENTS



SGS TEC SERVICES
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235 BUFORD DR, LAWRENCEVILLE, GA 30046
770.995.8000 | Brian.Wolfe@SGS.COM

REVISIONS

No.	DESCRIPTION	DATE
0	90% SET FOR BID	03-NOV-23
1	REVISED DETAILS, ADD WINDOW INFO	25-JAN-24

SEAL

J. LLOYD ENGINEERING
P.O. Box 169, Watkinsville, GA 30677
404.518.6121 | JRL@Lloyd-Eng.com

PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
4470 N Shallowford Rd, Atlanta, GA
CITY OF DUNWOODY PARKS DEPT.
SHEET DESCRIPTION: CONDITION ASSESSMENT OBSERVATIONS

PROJECT No.:	SGS22131 JLE22606
DRAWN BY:	JRL
CHECK BY:	JRL
DATE:	03-NOV-23

SHEET No.
R0

FOR BID

GENERAL REQUIREMENTS

PAY ITEM No.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
0	PRICE FOR BID ACCESS REQUIREMENTS: LUMP SUM SHALL INCLUDE ALL RENTAL EQUIPMENT/APPARATUS FOR THE DURATION OF WORK, MAINTENANCE, REPAIR OF DAMAGED EXISTING ELEMENTS (I.E. WINDOWS NOT BEING REPLACED, MEP EQUIPMENT THAT WAS TO REMAIN, GROUNDS, ETC.) DUE TO CONTRACTOR ERROR, SAFETY REQUIREMENTS DURING USE, AND ANY SIGNANGE REQUIRED FOR ENTRANCE/EXIT EGRESS.	LS	LUMP

EXTERIOR REPAIR ITEMS

PAY ITEM No.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
1	REMOVE AND REPLACE CONTRACTION JOINT MATERIALS	LF	233
2	REMOVE AND REPLACE WINDOW GLAZING/CAULKING	LS	LUMP
3	REMOVE BRICK ABOVE EXISTING GLASS BLOCK WALL, REPAIR WATERPROOFING, AND REPLACE BRICK VENEER TO MATCH		
3.1	REMOVE & REPLACE EXISTING BRICK FAÇADE ABOVE THE STRUCTURAL STEEL FRAME FOR WATERPROOFING REPAIRS	SF	750
3.2	REMOVE & REPLACE EXISTING DETERIORATED GYPSUM SHEATHING (ALLOWANCE, ACTUAL QUANTITY TO BE FIELD VARIFIED)	SF	325
3.3	WATERPROOF ALL SHEATHING SEAMS, ROUGH OPENINGS, AND WALL SHEATHING USING FLUID APPLIED AIR & WATERPROOF BARRIER & LIQUID FLASHING MEMBRANE	SF	750
3.4	REMOVE AND REPLACE FLASHING AT EXISTING TOP OF CMU WALL STRUCTURAL STEEL	LF	83
4	REMOVE EXISTING GLASS BLOCK WALL AND REPLACE w/ METAL STUD INTERIOR FRAMING AND BRICK VENEER TO MATCH		
4.1	REMOVE EXISTING GLASS BLOCK WALL, INSTALL SUPPLEMENTAL SHORING TO SUPPORT EXISTING STRUCTURAL STEEL WHILE REPAIRS ARE IN PROGRESS	SF	770
4.2	INSTALL 6" STUD WALL SYSTEM, ATTACHING STUD TRACKS TO TOP AND BOTTOM STRUCTURAL STEEL SUPPORTS, STUDS AT 12" O.C. (MAX), INCLUDING FRAMING AT ALL WINDOW OPENINGS	SF	770
4.3	INSTALL NEW DRYWALL ON INTERIOR, FINISH ALL SEAMS, SAND AND PAINT PER OWNER	SF	770
4.4	INSTALL NEW EXTERIOR WALL SHEATHING, FINISH ALL SEAMS w/ LIQUID APPLIED FLASHING MEMBRANE AND COAT SHEATHING w/ FLUID APPLIED AIR & WATERPROOF BARRIER	SF	770
4.5	INSTALL NEW WINDOWS, w/ ALL WINDOW GLAZING/SEALANTS AND WINDOW SUPPORTS PER MANUFACTURER. APPROXIMATE WINDOW SIZES ARE INCLUDED ON SHEETS R8 AND R9.	LS	LUMP
5	REPAIR PARAPET CAP FLASHING AT CURVED ROOFTOP SECTIONS	LF	34
6	REPOINTING BRICK MASONRY (ALLOWANCE QTY PROVIDED, TO BE RECORDED IN THE FIELD AND APPROVED)	LF	500
7	REPINNING LOOSE BRICK w/ HELICAL PINS (ALLWANCE, TO BE FIELD VERIFIED)	SF	50
8	CLEAN AND COAT ALL EXISTING STEEL COMPONENTS; LINTELS, RELIEF ANGLES, AND STRUCTURAL SUPPORTS THAT REMAIN IN PLACE	Allowance	$ 6,000.00
9	REMOVE AND REPLACE WOOD ROT (ALLOWANCE PROVIDED, BILLED TO OWNER AT COST + LABOR x ____ [UNIT PROVIDED AT RIGHT])	Allowance	$ 5,000.00
		Mark Unit	
10	COAT EXTERIOR OF BUILDING w/ BRICK COATING SUCH AS SIKA MasterSeal HB 400 (OR APPROVED EQUIVALENT, CONTRACTOR TO PROVIDE INFORMATION w/ BID)	SF	8640
11	REMOVE AND REPLACE GLAZING ON WINDOWS, INCLUDING SOUTH WALL WINDOWS, FRONT ENTRANCE WINDOWS/DOOR ASSEMBLY, AND NORTH WALL WINDOWS (CONTRACTOR VERIFY QUANTITY, LUMP SUM)	LS	LUMP

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REVISIONS

No.	DESCRIPTION	DATE
0	90% SET FOR BID	03-NOV-23

SEAL

J. LLOYD ENGINEERING
P.O. Box 169, Watkinsville, GA 30677
404.518.6121 | JRL@Lloyd-Eng.com

PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
4470 N Shallowford Rd, Atlanta, GA
CITY OF DUNWOODY PARKS DEPT.

SHEET DESCRIPTION: REPAIR PAY ITEMS, QUANTITIES & ALLOWANCE

PROJECT No.: SGS22131 JLE22606
DRAWN BY: JRL
CHECK BY: JRL
DATE: 03-NOV-23

SHEET No.
R1

FOR BID

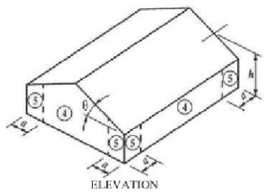
DESIGN STANDARDS

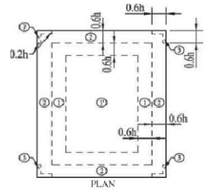
1. INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION w/ (2020) (2022) GEORGIA AMENDMENTS
2. INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2018 EDITION w/ (2021) GEORGIA AMENDMENTS

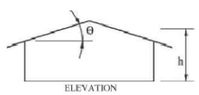
DESIGN LOADING

1. GENERAL DESIGN
   - RISK CATEGORY..... II (EXISTING)
   - CONSTRUCTION TYPE ..... III-A (EXISTING)
   - SNOW IMPORTANCE FACTOR ..... I_s = 1.00
   - WIND IMPORTANCE FACTOR ..... I_w= 1.00
   - SEISMIC IMPORTANCE FACTOR ..... I_e = 1.00

2. WIND DESIGN DATA
   - WIND DIRECTIONAL FACTOR ..... K_d = 0.85
   - TOPOGRAPHIC EFFECT ..... K_{zt} = 1.0
   - ULTIMATE DESIGN WIND SPEED ..... V = 105 mph
   - GROUND ELEVATION ..... 975 FT
   - EXPOSURE ..... B
   - INTERNAL PRESSURE COEFFICIENT ..... GCpi = ± 0.18
   - COMPONENTS & CLADDING
     - FLAT ROOF ZONE 1 ..... 16 PSF, -28.7 PSF
     - FLAT ROOF ZONE 1' ..... 16 PSF, -16.5 PSF
     - FLAT ROOF ZONE 2 ..... 16 PSF, -37.9 PSF
     - FLAT ROOF ZONE 3 ..... 16 PSF, -51.7 PSF
     - WALL ZONE 4 ..... 18 PSF, -19.6 PSF
     - WALL ZONE 5 ..... 18 PSF, -24.1 PSF







3. EARTHQUAKE DESIGN DATA
   - 0.2 SEC SPECTRAL RESPONSE ACCEL ..... S_s = 0.196
     S_{ds} = 0.209
   - 1.0 SEC SPECTRAL RESPONSE ACCEL ..... S_1 = 0.087
     S_{d1} = 0.140
   - SOIL SITE CLASS ..... D (ASSUMED)
   - 0.2 SECOND SITE AMPLIFICATION FACTOR ..... F_a = 1.6
   - 1.0 SECOND SITE AMPLIFICATION FACTOR ..... F_v = 2.4
   - SEISMIC DESIGN CATEGORY C

4. SNOW LOADING ..... 5 PSF

5. DESIGN LOAD-BEARING VALUES
   UNKNOWN AND NOT UTILIZED

6. DESIGN LOADS
   - DEAD LOADS
     - BRICK VENEER ..... 40 PSF
     - 6" STUD WALL ASSEMBLY ..... 10 PSF
     - MISC/MECHANICAL ..... 5 PSF
   - LIVE LOADS
     - FLOOR ..... NOT APPLICABLE
     - ROOF ..... 20 PSF

GENERAL CONSTRUCTION RESPONSIBILITIES

1. THE EXTENT OF WORK REQUIRED BY DRAWINGS IS BASED UPON FIELD OBSERVATIONS AND INVESTIGATION AND IS SUBJECT TO CHANGE BASED UPON ACTUAL DEMOLITION AND SITE CONDITIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING LIMITATIONS, MANUFACTURER SPECIFICATIONS, AND CONSTRUCTION DRAWINGS PRIOR TO SUBMITTING A BID FOR THIS PROJECT.
3. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCE, AND SAFETY. AS SUCH, ANY REQUIRED CONSTRUCTION ENGINEERING AND/OR DESIGN RESULTING FROM THESE SELECTIONS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR:
   a. CONSTRUCTION MEANS, METHODS, SEQUENCES, OR PROCEDURES
   b. PRECAUTIONS AND PROGRAMS FOR SAFETY IN CONNECTION WITH WORK
   c. THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS, PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS
4. COORDINATE THE WORK TO PROTECT EXISTING UTILITIES PRESENT WITHIN THIS FRAMING. COORDINATE WITH THE APPROPRIATE AGENCIES AND VENDORS IN ADVANCE OF CONSTRUCTION. NOTIFY ENGINEER PRIOR TO CONSTRUCTION OF ANY UNRESOLVED CONFLICTS.
5. REPAIRS ARE EXTERIOR AND SHOULD NOT BE NECESSARY TO LOAD FLOORS DURING CONSTRUCTION. IN THE EVENT THAT INTERIOR WORK IS NECESSARY, COORDINATE THE USE OF LIGHT MECHANIZED EQUIPMENT ON THE STRUCTURE WITH THE ENGINEER. DO NOT STOCKPILE SOIL, DEBRIS OR NEW CONSTRUCTION MATERIALS ON THE FRAMED SLAB AREA. COORDINATE PROVISIONS FOR TEMPORARY ACCESS TO UNITS WHERE WALKWAYS ARE UNDER CONSTRUCTION. ALL TEMPORARY SHORING AND BRACING DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY, PROTECTION OF BUILDING OCCUPANTS, PEDESTRIANS, SHORING, AND TEMPORARY BRACING OF THE STRUCTURE DURING CONSTRUCTION. WHERE FULL DEPTH CONCRETE REPAIRS ARE REQUIRED, PROVIDE ENGINEER WITH SHORING AND/OR TEMPORARY BRACING DETAILS PRIOR TO COMMENCING WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ALL WORK RELATED DAMAGE TO UTILITIES, BUILDING INTERIOR OR EXTERIOR COMPONENTS, LANDSCAPING, AND ADJACENT WINDOW SYSTEMS.

DRAWINGS AND EXISTING CONDITIONS

1. THESE DRAWINGS HAVE BEEN PREPARED AND ISSUED STRICTLY FOR THE PURPOSE OF PROVIDING WATERPROOFING MAINTENANCE REPAIRS TO THE FACILITY BUILDING ENCLOSURE SYSTEM IN DUNWOODY, GA AND SHALL NOT BE USED FOR ANY OTHER PURPOSE WITHOUT WRITTEN CONSENT OF THE ENGINEER.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS, CONDITIONS, AND MEASUREMENTS. DO NOT SCALE DRAWINGS. NOTIFY ENGINEER IN WRITING WHERE DISCREPANCIES EXIST.
3. WHERE EXPOSED CONDITIONS VARY FROM THOSE DETAILED WITHIN THIS CONSTRUCTION SET, CONTRACTOR SHALL NOTIFY ENGINEER TO RESOLVE ANY MODIFICATIONS PRIOR TO PROCEEDING WITH CONTINUED DEMOLITION OR INSTALLATION OF REPAIR MATERIALS.
4. SHOULD MANUFACTURER RECOMMENDATIONS CONFLICT WITH THESE DRAWINGS, THE STRICTEST SHALL APPLY.
5. A DETAIL SHOWN FOR ONE CONDITION SHALL APPLY FOR LIKE OR SIMILAR CONDITIONS THAT MAY NOT BE MARKED ON THE DRAWINGS, UNLESS NOTED OTHERWISE.
6. SOME DETAILS OF EXISTING CONSTRUCTION, WHICH ARE NOT VISIBLE, HAVE BEEN ASSUMED AND ARE SUBJECT TO VERIFICATION. SIGNIFICANT DEVIATIONS FROM ASSUMED CONSTRUCTION MAY REQUIRE REVISION TO CERTAIN DETAILS. PLEASE CONTACT ENGINEER IN THIS CIRCUMSTANCE FOR CLARIFICATION.

SUBMITTALS, MOCK-UPS & INSPECTION

1. WITHIN 10 BUSINESS DAYS OF RECEIPT OF OWNER'S NOTICE OF AWARD, SUBMITTALS SHALL BE SUBMITTED FOR ENGINEER REVIEW. ENGINEER SHALL HAVE 5 BUSINESS DAYS TO REVIEW AND APPROVE OR PROVIDE OFFICIAL RESPONSE. DATA SHALL INCLUDE THE FOLLOWING:
   - 1.1. MATERIALS LIST OF ITEMS PROPOSED TO BE PROVIDED UNDER THIS SECTION.
   - 1.2. MANUFACTURER'S PRODUCT DATA SHEET AND APPLICATION INSTRUCTIONS & WORK PROCEDURES FOR APPROVAL PRIOR TO MOBILIZATION TO PROJECT SITE.
   - 1.3. CERTIFICATION FROM MATERIAL MANUFACTURER THAT ON SITE MECHANICS ARE TRAINED AND CURRENT APPROVED APPLICATORS OF THE PRODUCTS BEING USED.
   - 1.4. SHOP DRAWINGS:
     - 1.4.1. COLD-FORMED STEEL WALL FRAMING
     - 1.4.2. WINDOWS (SEE SHEET R5 FOR SPECIFICATION OF WINDOWS)

2. UPON APPROVAL OF PRODUCT SUBMITTALS, PURCHASE, AND DELIVERY OF PROJECT MATERIALS, PACKAGING SLIPS FROM THE PRODUCT MANUFACTURES INDICATING THAT THE PRODUCTS DELIVERED TO THE SITE AND USED IN THE PROJECT ARE WITHIN THE MANUFACTURER'S PUBLISHED SHELF LIFE.

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REVISIONS

No.	DESCRIPTION	DATE
0	90% SET FOR BID	03-NOV-23

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PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
4470 N Shallowford Rd, Atlanta, GA
CITY OF DUNWOODY PARKS DEPT.

SHEET DESCRIPTION: GENERAL NOTES

PROJECT No.: SGS22131 JLE22606
DRAWN BY: JRL
CHECK BY: JRL
DATE: 03-NOV-23

SHEET No.
R2

SUBMITTALS, MOCK-UPS & INSPECTION (CONTINUED)

3. THE FOLLOWING SUBMITTALS SHALL BE SUBMITTED TO THE ENGINEER:
   - 3.1. BRICK VENEER
   - 3.2. MASONRY MORTAR
   - 3.3. MASONRY TIES
   - 3.4. WATERPROOFING: SEALANTS, FLASHING, WEEPS, ETC.
   - 3.5. EXTERIOR FACADE COATING
   - 3.6. STRUCTURAL STEEL CORROSION PRIMER/COATING
4. TESTING AND COMPLIANCE
   - 4.1. WATERPROOFING SYSTEM
     - 4.1.1. ENGINEER SHALL INSPECT MATERIALS MATCH APPROVED SUBMITTALS.
     - 4.1.2. ENGINEER SHALL INSPECT AND APPROVE IN WRITING ALL WATERPROOFING REPAIRS PRIOR TO PLACEMENT AND COMPLETION OF BRICK VENEER REPLACEMENT/PLACEMENT.
     - 4.1.3. CONTRACTOR SHALL CONTACT ENGINEER WITH A MINIMUM OF 3-DAYS HEADS UP FOR INSPECTION SERVICES.
     - 4.1.4. WATER TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER TO VISUALLY ASSESS THAT THE WALL SYSTEM IS WATERTIGHT PRIOR TO VENEER (RE)PALCEMENT.
   - 4.2. MASONRY REPLACEMENT
     - 4.2.1. AFTER WATERPROOFING SYSTEM IS APPROVED, BRICK VENEER CAN BE INSTALLED.
     - 4.2.2. ENGINEER OR ENGINEER REPRESENTATIVE SHALL INSPECT MATERIALS MATCH APPROVED SUBMITTALS.
     - 4.2.3. PERIODIC/CONTINUOUS INSPECTION OF BRICK VENEER AND BRICK VENEER TIE INSTALLATION. IF AUTHORIZED, CONTRACTOR WILL MAY BE ALLOWED TO PHOTO DOCUMENT THE INSTALLATION OF VENEER TIES IN THE EVENT THAT ENGINEER INSPECTION CANNOT BE MAINTAINED FULL TIME.
     - 4.2.4. WHERE CONDITIONS WARRANT, ADDITIONAL TESTING SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.
   - 4.3. BRICK VENEER COATING
     - 4.3.1. CONTRACTOR SHALL PROVIDE A MINIMUM OF (1) MOCK-UP SAMPLE, INCLUDING SURFACE PREPARATION AND INSTALLATION OF COATING SYSTEM ON THE EXTERIOR OF THE BRICK FOR ENGINEER AND OWNER INSPECTION. THE SIZE OF THE MOCK-UP SHALL BE A MIN. OF 10'-0 BY 10'-0", HOWEVER; THIS SIZE CAN BE ADJUSTED WITH ENGINEERS WRITTEN APPROVAL
     - 4.3.2. VENEER SHALL BE PREPARED IN STRICT ACCORDANCE w/ MANUFACTURER REQUIREMENTS.
     - 4.3.3. AT COMPLETION OF ALL REPAIRS, WATER TESTING SHALL BE PERFORMED TO APPROVE REPAIRS ARE ADEQUATE AND MEET THE REQUIREMENTS OF THESE REPAIR DOCUMENTS.

MATERIALS

1. STRUCTURAL STEEL:
   - 1.1. PLATE, BAR, ANGLE, CHANNEL - ASTM A36
   - 1.2. HSS OR TUBE - ASTM A500 GR. B
2. WELDING:
   - 2.1. ELECTRODES - EXX70 (MIN 70KSI)
3. BRICK VENEER:
   - 3.1. SHALL COMPLY WITH ASTM C216.
   - 3.2. CONTRACTOR TO PROVIDE NEW BRICK THAT MATCHES SAME PROFILE, SHAPE AND SIZE TO EXISTING, HOWEVER; IF COLOR CANNOT BE A 100% MATCH, THIS WILL BE EXCEPTED AS A COATING IS BEING INSTALLED FOR A UNIFORM COLOR.
   - 3.3. PROVIDE A MINIMUM UNIT COMPRESSIVE STRENGTH OF 3350 PSI.
   - 3.4. ABSORPTION RATE SHALL BE LESS THAN 30G/30 SQ. IN PER MIN. IN ACCORDANCE WITH ASTM C67.
4. MASONRY MORTAR:
   - 4.1. COLOR SHALL MATCH EXISTING.
   - 4.2. MORTAR SHALL BY TYPE 'N', UNLESS FIELD MATCHING CONFIRMS OTHERWISE. CONTACT ENGINEER IMMEDIATELY IF TYPE 'N' CANNOT BE USED WITH EXISTING MORTAR.
   - 4.3. MATERIALS SHALL BE AS FOLLOWS:
     - a. PORTLAND CEMENT..... ASTM C150
     - b. MASONRY CEMENT ..... ASTM C91
     - c. MORTAR PIGMENT ..... ASTM C979
     - d. MORTAR AGGREGATE ..... ASTM C144
     - e. WATER ..... POTABLE
5. MASONRY VENEER TIES
   - 5.1. A MINIMUM OF A 1" AIR GAP SHALL BE PROVIDED, WHERE MEANS ALLOW. MAXIMUM AIR GAP SHALL NOT EXCEED 2".
   - 5.2. TIES SHALL EXTEND A MIN OF 1-½" INTO THE VENEER, AND HAVE AT LEAST ⅝" COVER FROM THE EXTERIOR FACE.
   - 5.3. SPACE ANCHORS AS INDICATED, BUT NO MORE THAN 16" O.C. VERTICALLY AND 24" O.C. HORIZONTALLY, WITH NOT LESS THAN ONE ANCHOR FOR EVERY 2.67 SF OF WALL AREA. INSTALL ADDITIONAL ANCHORS WITHIN 12" OF OPENINGS AND AT INTERVALS, NOT EXCEEDING 36 IN, AROUND PERIMETER.
   - 5.4. FASTENERS SHALL BE ABLE TO RESIST 130 LBS IN EITHER TENSION/COMPRESSION PERPENDICULAR TO THE WALL SURFACE.
     - 5.4.1. RECOMMENDED ANCHORS (CONTRACTOR SHALL SELECT ANY ANCHORAGE THAT MEETS THE QUALIFICATIONS WITHIN THIS SECTION, HOWEVER; RECOMMENDATIONS HAVE BEEN MADE):
       - 5.4.1.1. HECKMANN BUILDING PRODUCTS
         - 5.4.1.1.1. HECKMANN THE ORIGINAL POS-I-TIE ® BRICK VENEER ANCHORING SYSTEM w/ No. 75 POS-I-TIE ® SELF-DRILLING STEEL STUD SCREW.
         - 5.4.1.1.2. DOUBLE PENTLE PLATE VENEER ANCHOR w/ (2) SELF DRILLING SCREW ANCHORS PER MANUF.
       - 5.4.1.2. HOHMANN & BARNARD, INC.
         - 5.4.1.2.1. 2-SEAL BYNA-LOK WIRE TIE w/ 2-SEAL TIE SELF DRILLING STUD SCREW
         - 5.4.1.2.2. HB-213 ADJUSTABLE VENEER ANCHOR w/ (2) SELF DRILLING SCREWS PER MANUF.
       - 5.4.1.3. WIRE BOND
         - 5.4.1.3.1. SURE TIE ANCHORING SYSTEM w/ SURE TIE 2½" SELF DRILLING ANCHOR SCREW
         - 5.4.1.3.2. RJ-711 ADJUSTABLE VENEER ANCHOR w/ (2) SELF DRILLING SCREWS PER MANUF.
   - 5.5. MATERIALS SHALL COMPLY WITH THE FOLLOWING:
     - 5.5.1. ASTM A 36/A36M-14 STANDARD SPECIFICATION FOR CARBON STRUCTURAL STEEL.
     - 5.5.2. ASTM A1008/A1008M SHEET METAL ANCHORS AND TIES (PLAIN STEEL)
     - 5.5.3. ASTM A1064/1064M COLD DRAWN STEEL WIRE
     - 5.5.4. ASTM A153/A153M-16 STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE
     - 5.5.5. STAINLESS STEEL AISI [TYPE 304] [OR] [TYPE 316]
     - 5.5.6. ASTM A240/A240M-15B STANDARD SPECIFICATION FOR CHROMIUM AND CHROMIUM NICKEL STAINLESS STEEL PLATE, SHEET METAL.
     - 5.5.7. AND STRIP FOR PRESSURE VESSELS AND FOR GENERAL APPLICATION.
     - 5.5.8. ASTM A666-15 STANDARD SPECIFICATION FOR ANNEALED OR COLD-WORKED AUSTENITIC STAINLESS STEEL SHEET, STRIP, PLATE, AND FLAT BAR.
     - 5.5.9. ASTM A580/A580M-15 STANDARD SPECIFICATION FOR STAINLESS STEEL WIRE
     - 5.5.10. ASTM A641/641M-09A (2014) STANDARD SPECIFICATION FOR ZINC-COATED (MILL GALVANIZED) CARBON STEEL WIRE.
     - 5.5.11. ASTM A653/A653M-11 STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (MILL GALVANIZED)

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REVISIONS

No.	DESCRIPTION	DATE
0	90% SET FOR BID	03-NOV-23

SEAL

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PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
4470 N Shallowford Rd, Atlanta, GA
CITY OF DUNWOODY PARKS DEPT.

SHEET DESCRIPTION: GENERAL NOTES

PROJECT No.: SGS22131 JLE22606
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SHEET No.
R3

MATERIALS (Continued)

6. WALL SYSTEM COMPONENTS
   - 6.1. BASE WALL SYSTEM
     - 6.1.1. INTERIOR WALLBOARD:
       - 6.1.1.1. 1-LAYER, OR TO MATCH EXISTING, 5/8" TYPE X GYPSUM WALLBOARD
     - 6.1.2. STEEL STUD FRAMING:
       - 6.1.2.1. CLARK-DIETRICH 6" STUD, 600S200-43 w/ CP60 COMPLIANT PROTECTIVE COATING, MAXIMUM 12" O.C. SPACING
     - 6.1.3. STUD CAVITY INSULATION:
       - 6.1.3.1. OWENS CORNING EcoTouch PINK FIBERGLAS INSULATION (UNFACED)
     - 6.1.4. EXTERIOR WALL SHEATHING:
       - 6.1.4.1. GYPSUM SHEATHING, 5/8" TYPE X EXTERIOR GRADE. ALL JOINTS AND FASTENER LOCATIONS SHALL BE SEALED WITH JOINT & SEAM FILLER (SUCH AS PROSOCO R-GUARD)
     - 6.5.5. AIR AND WEATHER BARRIER LAYER OVER GYPSUM SHEATHING
       - 6.5.5.1. FLUID APPLIED, PERMEABLE BARRIER (SUCH AS PROSOCO R-GUARD CAT 5)
     - 6.5.6. THROUGH WALL FLASHING
       - 6.5.4.1. MORTAR NET SOLUTIONS TOTALFLASH, MORTARNET, MPE-1 AND WEEPVENT.
     - 6.6.5. MASONRY VENEER ANCHORS & FASTENERS (SEE SECTION 5)
     - 6.6.6. EXTERIOR CLADDING (SEE SECTIONS 3 & 4

1

7. COATINGS
   - 7.1. EXTERIOR MASONRY SURFACE COATING, INCLUDING NECESSARY PRIMER:
     - 7.1.1. SIKA MASTERPROTECT HB400;
     - 7.1.2. SHERWIN-WILLIAMS, LOXON Self-Cleaning Acrylic Coating;
     - 7.1.3. KEIM LIMEWASH OR MINERAL MASONRY PAINT;
     - 7.1.4. OR APPROVED EQUIVALENT.
   - 7.2. STEEL COATING:
     - 7.2.1. TNEMEC PAINT SYSTEM OR EQUIVALENT
     - 7.2.2. SHERWIN-WILLIAMS DURA-PLATE OR APPROVED ALTERNATE
6. CONTRACTION JOINTS
   - 6.1. SEE SEALANTS
7. SEALANTS
   - 7.1. BACKER ROD - BI-CELLULAR NON-GASSING
   - 7.2. POLYURETHANE JOINTS SEALANTS (EXPOSED)
     - 7.2.1. BASF MasterSeal NP1
     - 7.2.2. SIKA Sikaflex 2c NS TG
   - 7.1. SEALANT/EXPANSION JOINT NOSING (IF REQUIRED):
     - a. WABO WaboCrete II POLYURETHANE EXPANSION JOINT NOSING w/ SEALANT JOINT (ABOVE)
     - b. OR ENGINEER APPROVED EQUIVALENT
8. METAL FLASHING
   - 8.1. DO NOT STOP FLASHING BEHIND BRICK WORK.
   - 8.2. EXTEND FLASHING VERTICALLY UP THE BACKING TO 8" MIN. HEIGHT
   - 8.3. LAP ALL FLASHING JOINTS 4" MIN. UNDER WATER RESISTANT MEMBRANE MATERIAL
   - 8.4. TURN UP FLASHING ENDS INTO HEAD JOINT A MIN. OF 2" TO FORM END DAMS.
   - 8.5. FLASHING SHOULD BE WATERPROOF, DURABLE, CORROSION RESISTANT COATED, AND SHOULD NOT BE INSTALLED TO OVER EXPOSE THE MEMBER TO SUNLIGHT.

ABBREVIATIONS

ADJ	ADJACENT
AGGR	AGGREGATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
BLDG	BUILDING
BOT	BOTTOM
BRG	BEARING
BTB	BACK-TO-BACK
CC	CENTER-TO-CENTER
CF	CUBIC FEET
CIP	CAST IRON PIPE
CL OR	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONT	CONTINUOUS
CONC	CONCRETE
CY	CUBIC YARD
D	DEPTH
DET	DETAIL
DIA OR Ø	DIAMETER
DIM	DIMENSIONS
DIP	DUCTILE IRON PIPE
DIR	DIRECTION
DIST	DISTANCE
DWG	DRAWING
EA	EACH
EBL	EAST BOUND LANE
EFFL	EFFLORESCENCE
ELEC	ELECTRIC
ELEV	ELEVATION
ENGR	ENGINEER
ENTR	ENTRANCE
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SLAB
EQUIP	EQUIPMENT
ETD	EXISTING TO BE DEMOLISHED
ETR	EXISTING TO REMAIN
ETRP	EXISTING TO BE REPLACED
EW	END WALL
EXT	EXISTING
EXTR	EXTERIOR
FD	FLOOR DRAIN
FF	FIRST FLOOR
FG	FINISH GRADE
FPS	FEET PER SECOND
FT	FOOT/FEET
F/T	FREEZE THAW
GR	GUARD RAIL
H	HEAD
HDG	HOT DIPPED GALVANIZED
HORZ	HORIZONTAL
HT	HEIGHT
ID	INSIDE DIAMETER
IN	INCH
INTR	INTERIOR
INV	INVERT
JNT	JOINT
L	LENGTH
LAT	LATERAL
LF	LINEAR FEET
LL	LOWER LEVEL
MAX	MAXIMUM
MECH	MECHANICAL
MI	MILE
MIN	MINIMUM
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
No. OR #	NUMBER
OC OR O.C.	ON CENTER
OBJ	OBJECT
OD	OUTSIDE DIAMETER
OH OR O.H.	OVERHEAD
OPP	OPPOSITE
PERM	PERIMETER
PG	PAGE
PL	PLATE
PRELIM	PRELIMINARY
PROP	PROPOSED
PT	POST-TENSIONING
PVMT	PAVEMENT
QTY	QUANTITY
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REINF	REINFORCEMENT
REQ'D	REQUIRED
REQ'S	REQUIREMENTS
RET	RETAINING
REV	REVISION
R&S	ROUTE AND SEAL
SECT	SECTION
SF	SQUARE FEET
SPEC	SPECIFICATIONS
STD	STANDARD
STR	STRUCTURE
SQ	SQUARE
SQY	SQUARE YARD
TAN	TANGENT
TEMP	TEMPORARY
TOB	TOP OF BEAM
T.O.B.	TOP OF BEAM
TOC	TOP OF COLUMN
T.O.C.	TOP OF COLUMN
TOS	TOP OF SLAB
T.O.S.	TOP OF SLAB
TOW	TOP OF WALL
T.O.W.	TOP OF WALL
TYP	TYPICAL
UND	UNDER
UOB	UNDERSIDE OF BEAM
U.O.B.	UNDERSIDE OF BEAM
VOL	VOLUME
VAR	VARIES
WT	WEIGHT
(E)	EXISTING
(ETR)	EXISTING TO REMAIN
(N)	NEW
(#)	QUANTITY
(TYP)	TYPICAL

FOR BID

REVISIONS

No.	DESCRIPTION	DATE
0	90% SET FOR BID	03-NOV-23
1	REVISED DETAILS, ADD WINDOW INFO	25-JAN-24

SEAL

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PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
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CITY OF DUNWOODY PARKS DEPT.

SHEET DESCRIPTION: GENERAL NOTES

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PROJECT No.: SGS22131 JLE22606
DRAWN BY: JRL
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SHEET No.
R4

1200 FIXED WINDOW
SECTION 08 51 13
ALUMINUM WINDOWS

PART 1 GENERAL

1.01 RELATED DOCUMENTS
1. SECTION 07 92 13 (07900) - JOINT SEALANTS
2. SECTION 08 80 00 (08800) - GLASS AND GLAZING
3. DIVISION 08 SECTION "*ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS*" FOR COORDINATING FINISH AMONG ALUMINUM FENESTRATION UNITS.
4. DIVISION 08 SECTION "*GLAZING*" FOR ADDITIONAL GLAZING REQUIREMENTS FOR ALUMINUM WINDOWS.
5. DIVISION 08 SECTION "*GLAZED ALUMINUM CURTAIN WALLS*" FOR INCORPORATING ALUMINUM WINDOWS INTO GLAZED CURTAIN WALLS AND FOR COORDINATING FINISH AMONG FENESTRATION UNITS.

1.02 SUMMARY
A. SECTION INCLUDES:
1. ALUMINUM PRIME WINDOWS:
a. TYPE: FIXED
b. CATEGORY: ARCHITECTURAL (AW)
c. DESIGNATION: F-AW65 FIXED (STANDARD AND ARCTIC)

1.03 DEFINITIONS
A. PERFORMANCE CLASS DESIGNATIONS ACCORDING TO AAMA/WDMA/CSA 101/I.S.2/A440-08:
1. AW: ARCHITECTURAL
B. PERFORMANCE GRADE NUMBER ACCORDING TO AAMA/WDMA/CSA 101/I.S.2/A440-08:
1. DESIGN PRESSURE NUMBER IN POUNDS PER SQUARE FOOT (PASCALS) USED TO DETERMINE THE STRUCTURAL TEST PRESSURE AND WATER TEST PRESSURE.
C. STRUCTURAL TEST PRESSURE: FOR UNIFORM LOAD STRUCTURAL TEST, IS EQUIVALENT TO 150 PERCENT OF THE DESIGN PRESSURE.
D. MINIMUM TEST SIZE: SMALLEST SIZE PERMITTED FOR PERFORMANCE CLASS (GATEWAY TEST SIZE) OR AS SPECIFIED ELSEWHERE IN THIS SECTION, WHICHEVER IS MORE STRINGENT. PRODUCTS MUST BE TESTED AT MINIMUM TEST SIZE OR AT A SIZE LARGER THAN MINIMUM TEST SIZE TO COMPLY WITH THE REQUIREMENTS FOR PERFORMANCE CLASS. DOWNSIZED TEST REPORTS WILL NOT BE CONSIDERED ACCEPTABLE.

1.04 TESTING AND PERFORMANCE REQUIREMENTS
A. GENERAL:
1. PROVIDE ALUMINUM WINDOWS CAPABLE OF COMPLYING WITH PERFORMANCE REQUIREMENTS INDICATED, BASED ON TESTING MANUFACTURER'S WINDOWS THAT ARE REPRESENTATIVE OF THOSE SPECIFIED, AND THAT ARE OF MINIMUM TEST SIZE INDICATED BELOW:
a. FIXED WINDOWS: 60" X 99" (OR SELECTED MANUFACTURERS TESTING PANEL, FOR ENGINEER APPROVAL)
B. TEST PROCEDURES AND PERFORMANCE:
1. SPECIFICATIONS FOR WINDOWS, DOORS AND UNIT SKYLIGHTS: AAMA 101.
2. AIR INFILTRATION TEST: ASTM E 283, AT 6.27 PSF STATIC AIR PRESSURE DIFFERENTIAL. AIR INFILTRATION SHALL NOT EXCEED 0.10 CFM PER SQ. FT.
3. WATER RESISTANCE TEST: ASTM E 331, NO WATER LEAKAGE AT 12 PSF STATIC AIR PRESSURE DIFFERENTIAL.
4. UNIFORM LOAD DEFLECTION TEST: ASTM E 330, AT STATIC AIR PRESSURE OF +/- 100 PSF. NO MEMBER SHALL DEFLECT MORE THAN 1/175 OF ITS SPAN.
6. UNIFORM LOAD STRUCTURAL TEST: ASTM E 330, AT STATIC AIR PRESSURE DIFFERENCE OF +/- 150 PSF.
7. CONDENSATION RESISTANCE TEST: AAMA 1503.1, CRF CLASS SHALL BE NOT LESS THAN C65.
8. THERMAL TRANSMITTANCE TEST: AAMA 1503.1, U-FACTOR SHALL BE 0.35 TO 0.60.
9. FORCED ENTRY: F10

1.05 REFERENCES
A. AAMA (AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION)
B. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
C. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
D. GANA (GLASS ASSOCIATION OF NORTH AMERICA)

1.06 SUBMITTALS
A. PROVIDE SUBMITTALS IN A TIMELY MANNER TO MEET REQUIRED CONSTRUCTION COMPLETION SCHEDULE AND IN ACCORDANCE WITH SPECIFICATIONS.

B. PRODUCT DATA:
1. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, FABRICATION METHODS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES, HARDWARE, FINISHES, AND OPERATING INSTRUCTIONS FOR EACH TYPE OF ALUMINUM WINDOW INDICATED.

C. SHOP DRAWINGS:
1. INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, HARDWARE, ATTACHMENTS TO OTHER WORK, OPERATIONAL CLEARANCES, INSTALLATION DETAILS, AND THE FOLLOWING:
a. MULLION DETAILS, INCLUDING REINFORCEMENT AND STIFFENERS.
b. JOINERY DETAILS.
c. WEATHER-STRIPPING DETAILS.
d. THERMAL-BREAK DETAILS.
e. GLAZING DETAILS.
2. SHOW COMPONENTS COMPLETE WITH DIMENSIONS, MATERIAL AND DETAILS OF ANCHORING AND FASTENING.
3. SHOW FINISHES, SEALANTS AND OTHER INFORMATION INDICATING COMPLIANCE WITH SPECIFICATIONS.
4. SUBMIT TEST REPORT PER 1.04 TESTING AND PERFORMANCE REQUIREMENTS.

D. SAMPLES:
1. COMPONENTS: SUBMIT SAMPLES OF ANCHORS, FASTENERS, HARDWARE, ASSEMBLED CORNER SECTIONS AND OTHER MATERIALS AND COMPONENTS IF REQUESTED BY ENGINEER.
2. FINISH: SUBMIT FULL RANGE COLOR SAMPLES FOR APPROVAL BY ENGINEER.

E. MAINTENANCE DATA: FOR FINISHES TO BE INCLUDED IN MAINTENANCE MANUALS.

F. WARRANTIES: SUBMIT WRITTEN COPIES IN ACCORDANCE WITH SECTION 1.10 WARRANTIES.

1.07 QUALITY ASSURANCE
A. PROJECT QUALIFICATIONS: IN ORDER TO CONFIRM THAT THE PROPOSED PRODUCT(S) CONFORM TO THE MATERIAL AND PERFORMANCE REQUIREMENTS CONTAINED IN THESE SPECIFICATIONS, BIDDERS SHALL INCLUDE THE FOLLOWING WITH THEIR BID. FAILURE TO COMPLY WITH THESE REQUIREMENTS SHALL CAUSE THE BID TO AUTOMATICALLY BE REJECTED.
1. BIDDERS ACKNOWLEDGEMENT: BIDDERS SHALL INCLUDE A LETTER IN THEIR BID STATING THE MANUFACTURER AND SERIES (MODEL) NUMBER OF THE PRODUCT UPON WHICH ITS BID HAS BEEN BASED. CHANGES IN PRODUCT (MANUFACTURER OR SERIES) WILL NOT BE PERMITTED AFTER THE BID
2. PRODUCT DATA: BIDDERS SUBMITTING BIDS BASED ON PRODUCTS OTHER THAN THE BASIS OF DESIGN PRODUCT LISTED IN PARAGRAPH 2.1 MUST ALSO INCLUDE THE FOLLOWING WITH THEIR BID:
a. COMPREHENSIVE TEST REPORTS NOT MORE THAN FOUR YEARS OLD PREPARED BY A QUALIFIED TESTING AGENCY FOR EACH PRODUCT TYPE BEING USED ON THE PROJECT DEMONSTRATING COMPLIANCE WITH THE AIR, WATER AND STRUCTURAL REQUIREMENTS OUTLINED HEREIN. TEST REPORTS BASED ON THE USE OF DOWNSIZED TEST UNITS WILL NOT BE ACCEPTED.
b. THERMAL SIMULATIONS PREPARED BY A QUALIFIED INDEPENDENT TESTING AGENCY FOR EACH PRODUCT TYPE BEING USED ON THE PROJECT DEMONSTRATING COMPLIANCE WITH THE THERMAL TRANSMITTANCE REQUIREMENTS OUTLINED IN PARAGRAPH 2.3.
c. FULL SIZE PRODUCT DETAILS SHOWING ALL FRAME AND SASH DETAILS, DIMENSIONS, THERMAL BREAK CONSTRUCTION, WALL THICKNESSES AND JOINERY. DETAILS MUST ACCURATELY REFLECT ALL GLAZING AND HARDWARE OPTIONS SPECIFIED HEREIN.
3. PRODUCT REQUIREMENTS: FOR MAXIMUM PERFORMANCE, WINDOWS FOR THIS PROJECT MUST MEET BOTH THE TESTING REQUIREMENTS AS CONTAINED HEREIN AND THE MINIMUM MATERIAL REQUIREMENTS SPECIFIED. WINDOWS THAT CARRY THE APPLICABLE AAMA RATING BUT DO NOT MEET THE MATERIAL THICKNESSES, DEPTHS, ETC. SHALL NOT BE ACCEPTABLE FOR USE ON THIS PROJECT.
4. INSTALLER QUALIFICATIONS: AN INSTALLER ACCEPTABLE TO ALUMINUM WINDOW MANUFACTURERS FOR INSTALLATION OF UNITS REQUIRED FOR THIS PROJECT

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PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
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CITY OF DUNWOODY PARKS DEPT.

SHEET DESCRIPTION: GENERAL WINDOW SPECIFICATION

SGS22131
PROJECT No.: JLE22606
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DATE: 03-NOV-23

SHEET No.
R5

1.07 QUALITY ASSURANCE (CONTINUED)

5. SOURCE LIMITATIONS: OBTAIN ALUMINUM WINDOWS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
6. PRODUCT OPTIONS: DRAWINGS INDICATE SIZE, PROFILES, AND DIMENSIONAL REQUIREMENTS OF ALUMINUM WINDOWS AND ARE BASED ON THE SPECIFIC SYSTEM INDICATED. DO NOT MODIFY SIZE AND DIMENSIONAL REQUIREMENTS.
   a. DO NOT MODIFY INTENDED AESTHETIC EFFECTS, AS JUDGED SOLELY BY ENGINEER, EXCEPT WITH ENGINEER'S APPROVAL. IF MODIFICATIONS ARE PROPOSED, SUBMIT COMPREHENSIVE EXPLANATORY DATA TO ENGINEER FOR REVIEW.
7. FENESTRATION STANDARD: COMPLY WITH AAMA/WDMA/CSA 101/I.S.2/A440-08, "STANDARD/SPECIFICATION FOR WINDOWS, DOORS, AND UNIT SKYLIGHTS" FOR DEFINITIONS AND MINIMUM STANDARDS OF PERFORMANCE, MATERIALS, COMPONENTS, ACCESSORIES, AND FABRICATION. COMPLY WITH MORE STRINGENT REQUIREMENTS IF INDICATED.
8. GLAZING PUBLICATIONS: COMPLY WITH PUBLISHED RECOMMENDATIONS OF GLASS MANUFACTURERS AND WITH GANA'S "GLAZING MANUAL" UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.
9. PREINSTALLATION CONFERENCE: IF REQUESTED, CONDUCT A CONFERENCE AT PROJECT SITE TO REVIEW METHODS AND PROCEDURES RELATED TO ALUMINUM WINDOWS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING.
   a. REVIEW AND FINALIZE CONSTRUCTION SCHEDULE AND VERIFY AVAILABILITY OF MATERIALS, INSTALLER'S PERSONNEL, EQUIPMENT, AND FACILITIES NEEDED TO MAKE PROGRESS AND AVOID DELAYS.
   b. REVIEW, DISCUSS, AND COORDINATE THE INTERRELATIONSHIP OF ALUMINUM WINDOWS WITH OTHER EXTERIOR WALL COMPONENTS.
   c. REVIEW AND DISCUSS THE SEQUENCE OF WORK REQUIRED TO CONSTRUCT A WATERTIGHT AND WEATHERTIGHT EXTERIOR BUILDING ENVELOPE.
   d. INSPECT AND DISCUSS THE CONDITION OF SUBSTRATE AND OTHER PREPARATORY WORK PERFORMED BY OTHER TRADES.

1.08 PROJECT CONDITIONS

A. FIELD MEASUREMENTS: FOR RETROFIT INSTALLATIONS, VERIFY ALUMINUM WINDOW OPENINGS BY FIELD MEASUREMENTS BEFORE FABRICATION AND INDICATE MEASUREMENTS ON SHOP DRAWINGS.
   1. ESTABLISHED DIMENSIONS: WHERE FIELD MEASUREMENTS CANNOT BE MADE WITHOUT DELAYING THE WORK, ESTABLISH OPENING DIMENSIONS AND PROCEED WITH FABRICATING ALUMINUM WINDOWS WITHOUT FIELD MEASUREMENTS. COORDINATE WALL CONSTRUCTION TO ENSURE THAT ACTUAL OPENING DIMENSIONS CORRESPOND TO ESTABLISHED DIMENSIONS.

1.09 DELIVERY, STORAGE AND HANDLING

A. PROTECT MATERIALS FROM DAMAGE BEFORE INSTALLATION PER INSTRUCTIONS AND IN ACCORDANCE WITH SPECIFICATIONS.

1.10 WARRANTIES

A. WINDOW SYSTEM:
   1. QUALIFIED WINDOW MANUFACTURER, WITH PROVEN FINANCIAL RESPONSIBILITY AND YEARS OF EXPERIENCE OF AT LEAST THE LENGTH OF THE WARRANTY PERIOD SHALL PROVIDE WRITTEN **5 OR 10** YEAR WARRANTY AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.
   2. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
      a. FAILURE TO MEET PERFORMANCE REQUIREMENTS.
      b. STRUCTURAL FAILURES INCLUDING EXCESSIVE DEFLECTION, WATER LEAKAGE, OR AIR INFILTRATION.
      c. DETERIORATION OF METALS OR OTHER MATERIALS BEYOND THAT WHICH IS NORMAL.
      d. FAILURE OF INSULATING GLASS.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. **ARCHITECTURAL WINDOW MANUFACTURING CORPORATION**, RUTHERFORD, NEW JERSEY. THE BASIS OF DESIGN FOR THESE SPECIFICATIONS IS THE SERIES 8090I FIXED.
B. **OLDCASTLE BUILDINGENVELOPE®**.
C. **GRAHAM ARCHITECTURAL PRODUCTS,** YORK, PENNSYLVANIA.
D. ALTERNATE, SEE SECTION 1.07 FOR COMPLIANCE WITH PROJECT STANDARDS.

2.02 MATERIALS

A. ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY ALUMINUM WINDOW MANUFACTURER FOR STRENGTH, CORROSION RESISTANCE, AND APPLICATION OF REQUIRED FINISH, BUT NOT LESS THAN 22,000-PSI (150-MPA) ULTIMATE TENSILE STRENGTH, NOT LESS THAN 16,000-PSI (110-MPA) MINIMUM YIELD STRENGTH, AND NOT LESS THAN 0.080-INCH (1.6-MM) THICKNESS AT ANY LOCATION FOR THE MAIN FRAME. 6063-T6 ALLOY SHALL HAVE MINIMUM WALL THICKNESS OF 0.062".
   1. EXTRUSIONS: COMPLY WITH ASTM B 221. EXTRUSION TOLERANCES SHALL MEET ANSI H35.2.
   2. SHEET: COMPLY WITH ASTM B 209.
   3. FRAMES:
      a. DEPTH: 4", 5", OR 6" STANDARD SYSTEM
      b. DESIGN: EQUAL LEG
   4. THERMAL BARRIER: 9/16" STANDARD SYSTEM CRIMPED IN PLACE RIGID PVC.
B. HARDWARE: MATERIAL SHALL BE CORROSION RESISTANT AND COMPATIBLE WITH ALUMINUM. HARDWARE MUST PROVE ITS STRENGTH AND SUITABILITY BY BEING INSTALLED ON UNITS THAT ARE TESTED IN ACCORDANCE WITH SPECIFICATIONS.
   1. FASTENERS: PROVIDE NON-MAGNETIC STAINLESS-STEEL SCREWS, EPOXY ADHESIVES, OR OTHER MATERIAL WARRANTED BY THE MANUFACTURER. ALL FASTENERS MUST BE CONCEALED EXCEPT WHERE UNAVOIDABLE FOR APPLICATION OF HARDWARE.
   2. ANCHORS, CLIPS, AND ACCESSORIES: ALUMINUM, NONMAGNETIC STAINLESS STEEL, OR ZINC-COATED STEEL OR IRON COMPLYING WITH ASTM B 633 FOR SC 3 SEVERE SERVICE CONDITIONS; PROVIDE SUFFICIENT STRENGTH TO WITHSTAND DESIGN PRESSURE INDICATED.
C. GLAZING: WINDOWS SHALL BE FACTORY GLAZED UNLESS TOO LARGE OR UNSAFE FOR HANDLING.
   1. GLASS: PROVIDE IN ACCORDANCE WITH SECTION 08 80 00 (08800).
   2. GLAZING MATERIALS: UNITS SHALL BE EXTERIOR WET GLAZED USING SILICONE CAP BEADS, SETTING BLOCKS, EDGE BLOCKS AND ACCESSORIES AS RECOMMENDED BY AND IN ACCORDANCE WITH GANA GLAZING MANUAL.
D. WEATHERSTRIPPING: SHALL BE NON-SHRINKING, RESISTANT TO ULTRAVIOLET DEGRADATION, AND REPLACEABLE CLOSED CELL ELASTOMER SHALL MEET ASTM C 509. DENSE ELASTOMER SHALL MEET ASTM C 864.
   1. COMPRESSION-TYPE WEATHER STRIPPING: PROVIDE COMPRESSIBLE WEATHER STRIPPING DESIGNED FOR PERMANENTLY RESILIENT SEALING UNDER BUMPER OR WIPER ACTION AND FOR COMPLETE CONCEALMENT WHEN ALUMINUM WINDOW IS CLOSED. MANUFACTURER'S STANDARD SYSTEM AND MATERIALS COMPLYING WITH AAMA/WDMA/CSA 101/I.S.2/A440-08.
   2. SLIDING-TYPE WEATHER STRIPPING: PROVIDE WOVEN-PILE WEATHER STRIPPING OF WOOL, POLYPROPYLENE, OR NYLON PILE AND RESIN-IMPREGNATED BACKING FABRIC. COMPLY WITH AAMA 701/702. PROVIDE WEATHER STRIPPING WITH INTEGRAL BARRIER FIN OR FINS OF SEMIRIGID, POLYPROPYLENE SHEET OR POLYPROPYLENE-COATED MATERIAL. COMPLY WITH AAMA 701/702.
E. SEALANTS: COLOR OF EXPOSED SEALANTS SHALL BE COMPATIBLE WITH ADJACENT WINDOW MATERIALS. FOR SEALANTS REQUIRED WITHIN FABRICATED WINDOWS, PROVIDE WINDOW MANUFACTURER'S STANDARD, PERMANENTLY ELASTIC, NONSHRINKING, AND NONMIGRATING TYPE RECOMMENDED BY SEALANT MANUFACTURER FOR JOINT SIZE AND MOVEMENT. COMPLY WITH AAMA 803.3

2.03 WINDOW

A. WINDOW TYPE: FIXED
B. AAMA/WDMA PERFORMANCE REQUIREMENTS: PROVIDE ALUMINUM PROVIDE ALUMINUM WINDOWS OF PERFORMANCE INDICATED THAT COMPLY WITH AAMA/WDMA/CSA 101/I.S.2/A440-08.
   1. PERFORMANCE CLASS AND GRADE: AW-PG100 OR BETTER.
C. CONDENSATION-RESISTANCE FACTOR (CRF), THERMAL TRANSMITTANCE, AIR INFILTRATION, WATER RESISTANCE, AND FORCED-ENTRY RESISTANCE:
   1. SEE SECTION 1.04 FOR PERFORMANCE REQUIREMENTS.

2.03 FABRICATION

A. FRAMES: SHALL BE MACHINED, MECHANICALLY FASTENED AND SEALED TO FORM A WATERTIGHT JOINT.
B. COMPONENT FORMING: ALL ALUMINUM COMPONENTS SHALL BE FORMED, FREE OF SCRATCHES AND BURRS, BEFORE APPLICATION OF FINISH.

FOR BID

REVISIONS

No.	DESCRIPTION	DATE
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PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
4470 N Shallowford Rd, Atlanta, GA
CITY OF DUNWOODY PARKS DEPT.

SHEET DESCRIPTION: GENERAL WINDOW SPECIFICATION

SGS22131
PROJECT No.: JLE22606
DRAWN BY: JRL
CHECK BY: JRL
DATE: 03-NOV-23

SHEET No.
R6

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2.04 FINISHES

A. COVER ALL EXPOSED AREAS OF ALUMINUM WINDOWS AND COMPONENTS. OVERALL FINISH SHALL MATCH EXISTING WINDOW FRAMING COMPONENTS ON THE PROPERTY. BASED ON THE TYPE

[CLEAR ANODIZED]

1. TYPE: ARCHITECTURAL CLASS I CLEAR ANODIZING.
2. AAMA SPECIFICATION: COMPLY WITH AAMA 611.
3. ALUMINUM ASSOCIATION DESIGNATION: AA_M10_C22_A41.
4. COLOR: CLEAR 215-R1

[COLOR ANODIZED]

1. TYPE: ARCHITECTURAL CLASS I FOR COLOR ANODIZING.
2. AAMA SPECIFICATION: COMPLY WITH AAMA 611.
3. ALUMINUM ASSOCIATION DESIGNATION: AA_M10_C22_A44.
4. COLOR: **BLACK**

PART 3 EXECUTION

3.01 INSPECTION

A. EXAMINE OPENINGS, SUBSTRATES, STRUCTURAL SUPPORT, ANCHORAGE, AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF WORK. VERIFY ROUGH OPENING DIMENSIONS, LEVELNESS OF SILL PLATE, AND OPERATIONAL CLEARANCES. EXAMINE WALL FLASHINGS, VAPOR RETARDERS, WATER AND WEATHER BARRIERS, AND OTHER BUILT-IN COMPONENTS TO ENSURE A COORDINATED, WEATHERTIGHT WINDOW INSTALLATION.

1. MASONRY SURFACES: VISIBLY DRY AND FREE OF EXCESS MORTAR, SAND, AND OTHER CONSTRUCTION DEBRIS.
2. WOOD FRAME WALLS: DRY, CLEAN, SOUND, WELL NAILED, FREE OF VOIDS, AND WITHOUT OFFSETS AT JOINTS. ENSURE THAT NAIL HEADS ARE DRIVEN FLUSH WITH SURFACES IN OPENING AND WITHIN 3 INCHES (76 MM) OF OPEN.
3. METAL SURFACES: DRY; CLEAN; FREE OF GREASE, OIL, DIRT, RUST, CORROSION, AND WELDING SLAG; WITHOUT SHARP EDGES OR OFFSETS AT JOINTS.
4. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.02 INSTALLATION

A. INSTALL WINDOWS WITH SKILLED TRADESMAN IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND SPECIFICATIONS.

B. UNFINISHED ALUMINUM SHALL BE INSULATED FROM DIRECT CONTACT WITH STEEL, MASONRY CONCRETE, AND NON-COMPATIBLE MATERIALS BY BITUMINOUS PAINT, ZINC CHROMATE PRIMER OR OTHER SUITABLE INSULATING MATERIAL.

C. INSTALL VAPOR RETARDER/AIR BARRIER IN ACCORDANCE WITH SPECIFICATIONS BETWEEN WINDOW PERIMETER AND ADJOINING COLLATERAL MATERIALS AND EXISTING WALL BARRIERS TO ASSURE CONTINUITY.

D. PLUMB WINDOW FACES IN A SINGLE PLANE FOR EACH WALL PLANE. ERECT SQUARE AND TRUE. ANCHOR TO MAINTAIN POSITION WHEN SUBJECTED TO NORMAL THERMAL AND BUILDING MOVEMENT, SEISMIC FORCES AND SPECIFIED WIND LOADS.

E. APPLY SEALANTS AT JOINTS AND INTERSECTIONS AND AT OPENING PERIMETERS IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND SECTION 07 93 13 (07900) TO PROVIDE WATERTIGHT INSTALLATION.

3.03 FIELD QUALITY CONTROL

A. TESTING AGENCY: **IF DESIRED, OWNER WILL ENGAGE** A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS AND PREPARE TEST REPORTS.

B. TESTING SERVICES: TESTING AND INSPECTING OF INSTALLED WINDOWS SHALL TAKE PLACE AS FOLLOWS:

1. TESTING METHODOLOGY: TESTING OF WINDOWS FOR AIR INFILTRATION AND WATER RESISTANCE SHALL BE PERFORMED ACCORDING TO AAMA 502, TEST METHOD **[A]**. FIELD TEST PRESSURES AND ALLOWABLE LIMITS SHALL BE AS FACTORED BY AAMA 502 FROM THOSE MINIMUMS REQUIRED TO DETERMINE LABORATORY COMPLIANCE WITH THE APPLICABLE PERFORMANCE CLASS AND GRADE PURSUANT TO AAMA/WDMA/CSA 101/I.S.2/A440-08.
2. TESTING EXTENT: **[ONE]** WINDOW AS SELECTED BY ENGINEER AND A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY. WINDOWS SHALL BE TESTED IMMEDIATELY AFTER INSTALLATION.
3. TEST REPORTS: SHALL BE PREPARED ACCORDING TO AAMA 502.

C. REMEDIATE NONCOMPLIANT WINDOWS AND RETEST AS SPECIFIED ABOVE.

D. ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REMEDIATED DOORS OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.

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3.04 ADJUSTING AND CLEANING

A. AFTER INSTALLATION AND TESTING, WINDOWS AND GLAZING SHALL BE INSPECTED, ADJUSTED, AND LEFT CLEAN AND FREE OF LABELS AND DIRT. PROTECT FINISHED INSTALLATION AGAINST DAMAGE.

B. FINAL CLEANING OF ANODIZED FINISH SHALL BE IN ACCORDANCE WITH AAMA 609.1; PAINTED FINISH SHALL BE IN ACCORDANCE WITH AAMA 610.1.

3.05 DEMONSTRATION

A. ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO TRAIN OWNER'S MAINTENANCE PERSONNEL TO MAINTAIN WINDOW SYSTEM.

END OF SECTION 085113

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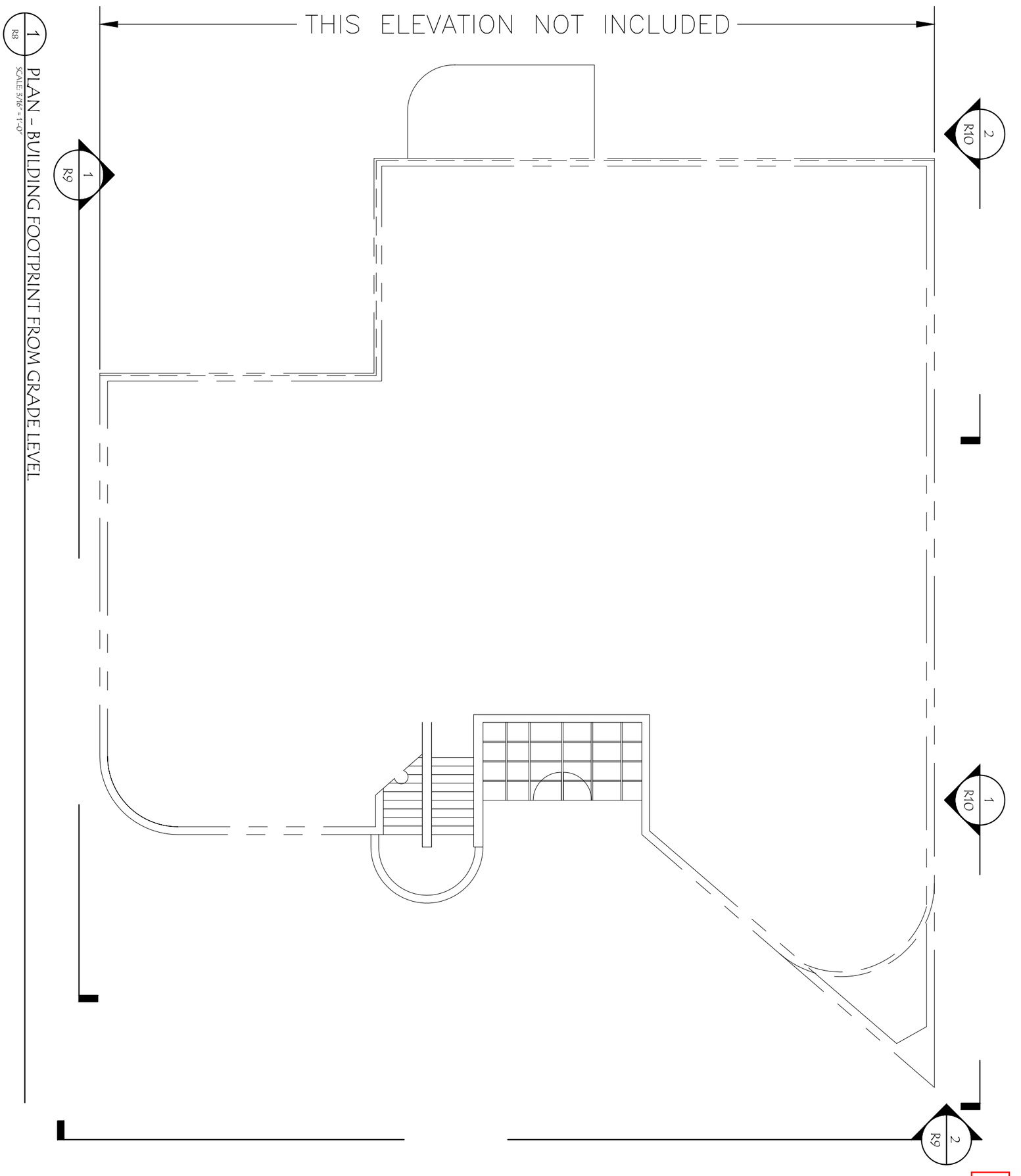
4470 N Shallowford Rd, Atlanta, GA
CITY OF DUNWOODY PARKS DEPT.

SHEET DESCRIPTION: GENERAL WINDOW SPECIFICATION

SGS22131
PROJECT No.: JLE22606
DRAWN BY: JRL
CHECK BY: JRL
DATE: 03-NOV-23

SHEET No.
R7



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SHEET No.
R8

PROJECT No.: SGS227131
JLE22606
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CHECK BY: JRL
DATE: 05-NOV-23

PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
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SHEET DESCRIPTION: CONDITION ASSESSMENT OBSERVATIONS

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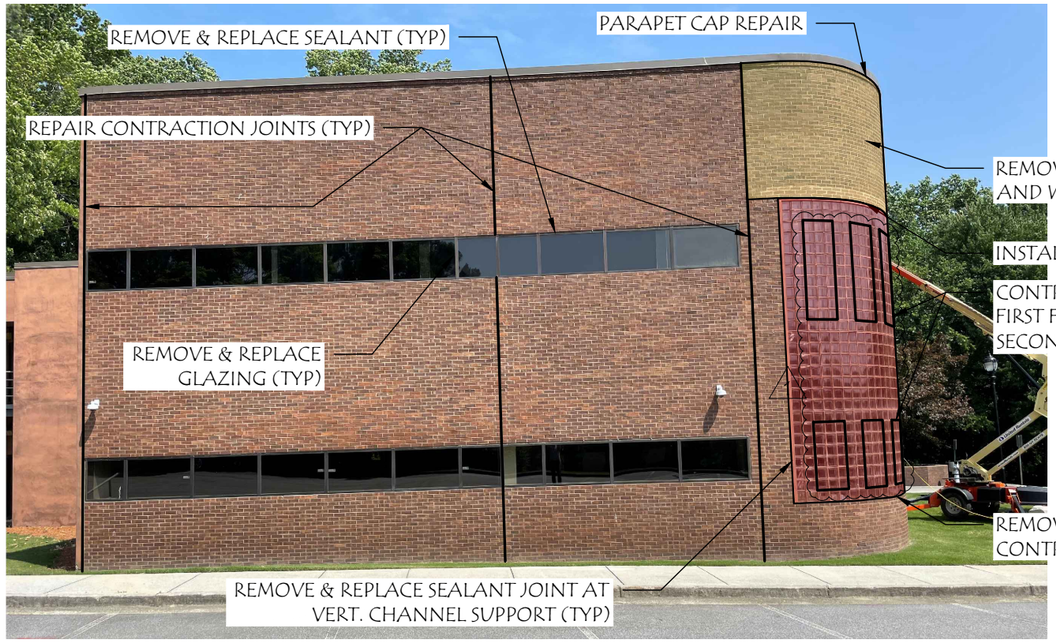
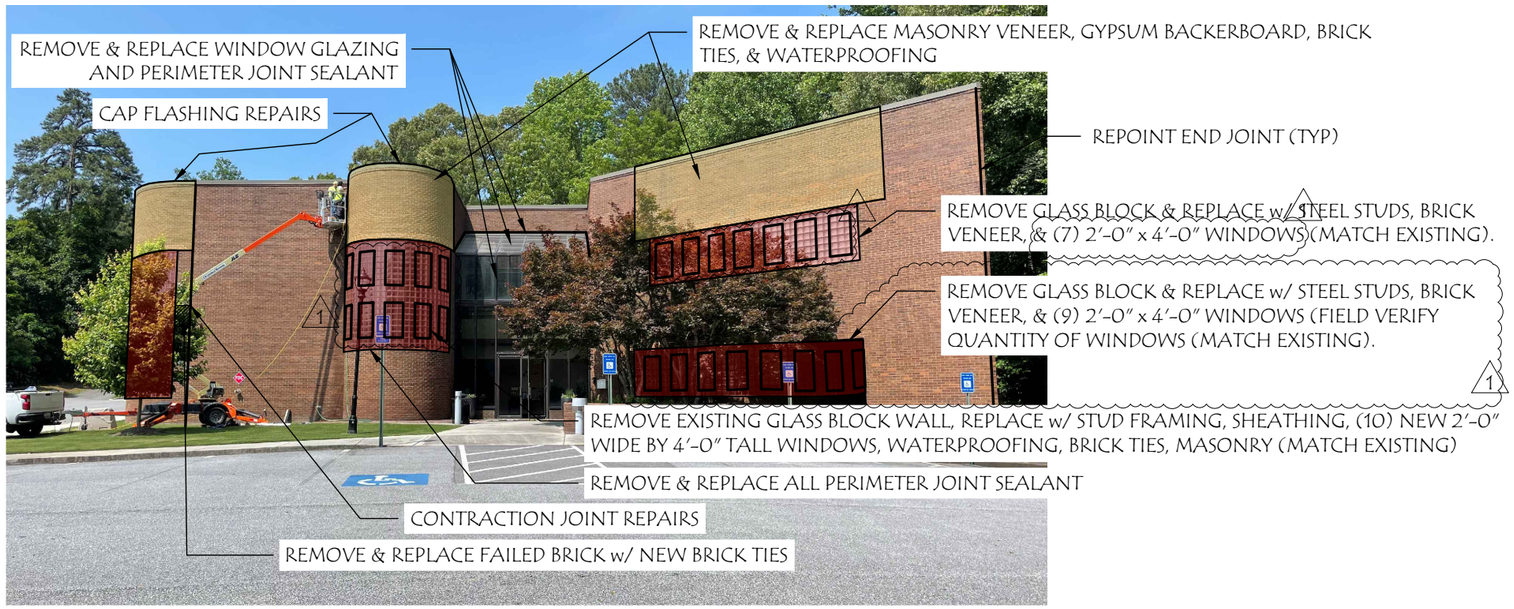


1 R9 ELEVATION - SOUTH WALL ELEVATION REPAIRS

SCALE: NOT TO SCALE



2 R9 ELEVATION - EAST WALL ELEVATION REPAIRS

SCALE: NOT TO SCALE

REVISIONS

No.	DESCRIPTION	DATE
0	90% SET FOR BID	03-NOV-23
1	REVISED DETAILS, ADD WINDOW INFO	25-JAN-24

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R9

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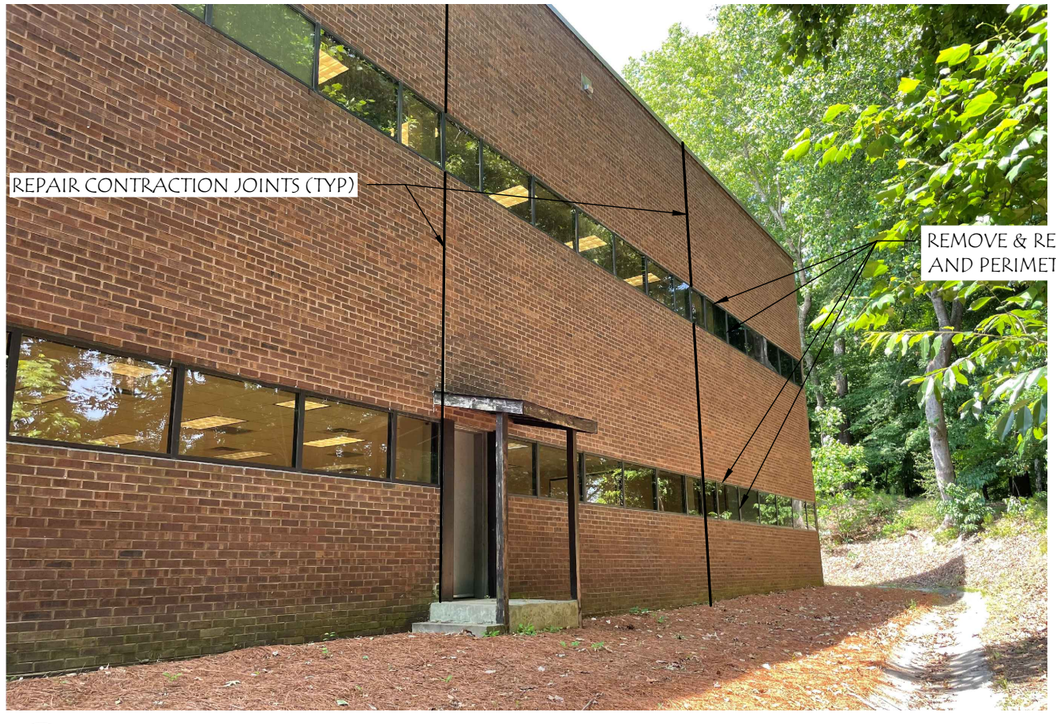
1 R10 ELEVATION - PARTIAL NORTH WALL ELEVATION REPAIRS

SCALE: NOT TO SCALE



2 R10 ELEVATION - PARTIAL NORTH WALL ELEVATION REPAIRS

SCALE: NOT TO SCALE

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R10

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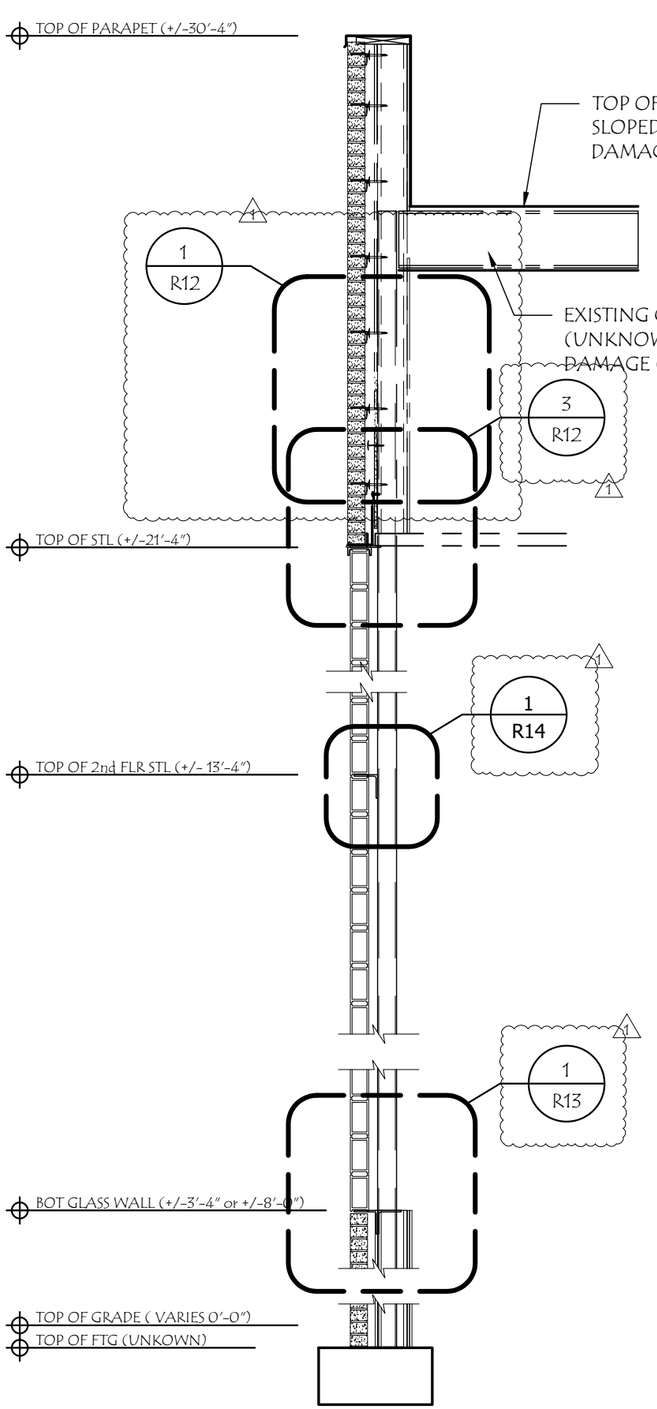
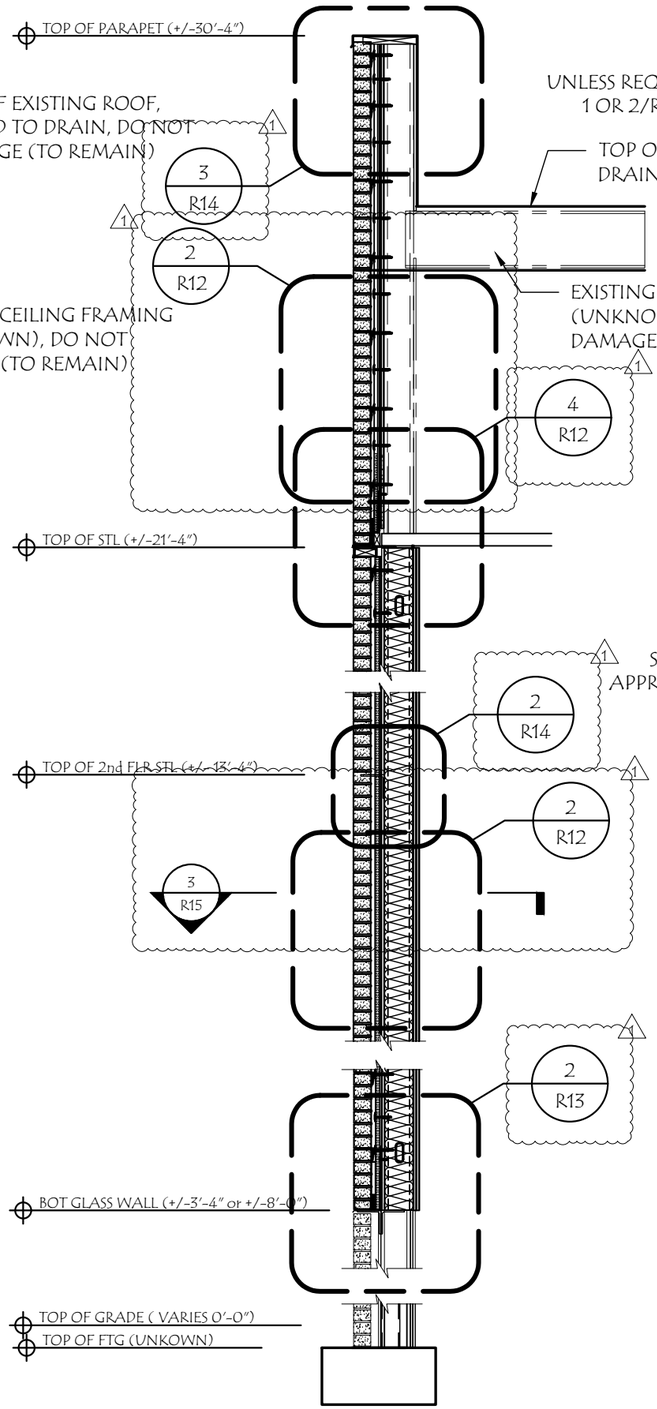
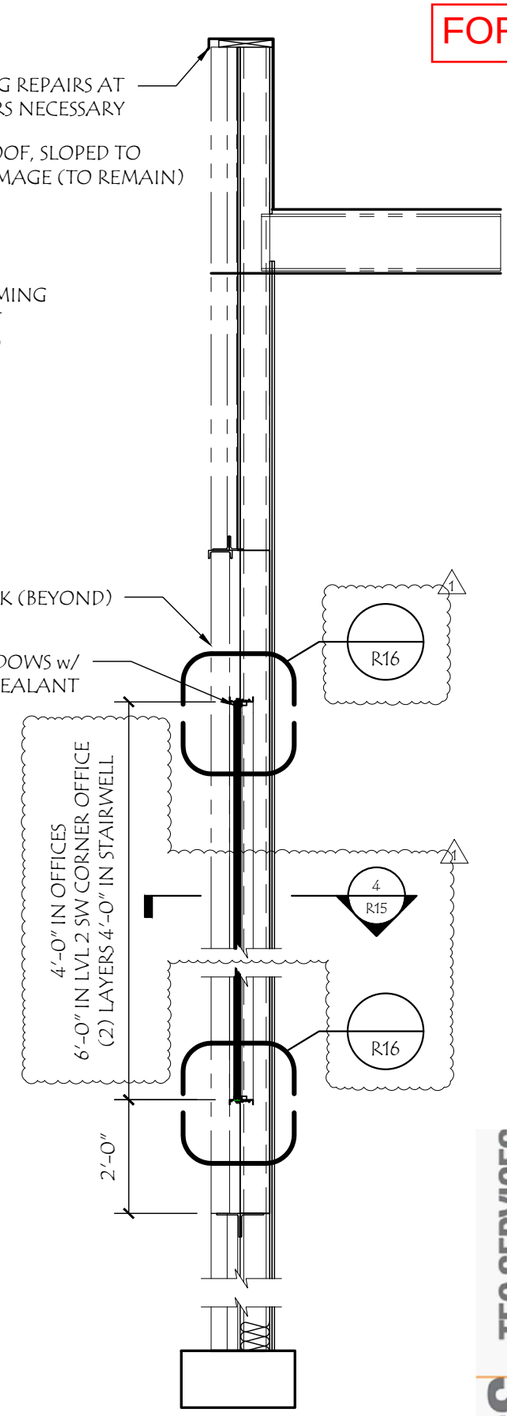


1 R11 DEMO SECTION - EXISTING WALL FRAMING
SCALE: 3/8" = 1'-0"



2 R11 REPAIR SECTION - NEW WALL FRAMING
SCALE: 3/8" = 1'-0"



3 R11 REPAIR SECTION - NEW WALL FRAMING AT NEW WINDOW
SCALE: 3/8" = 1'-0"

REVISIONS

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1	REVISED DETAILS, ADD WINDOW INFO	25-JAN-24

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SHEET DESCRIPTION: WALL SECTIONS

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SHEET No.
R11

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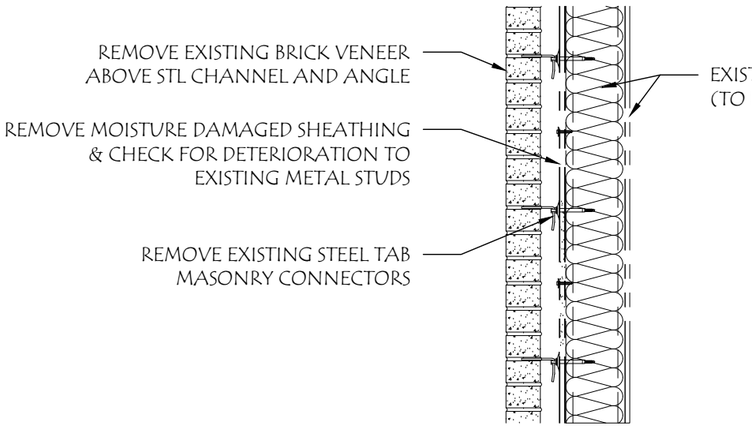
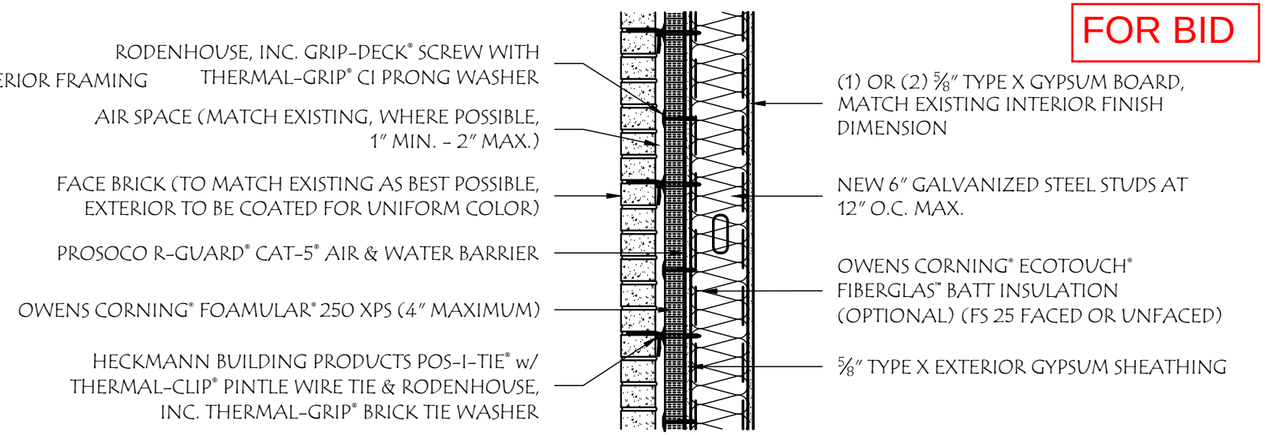
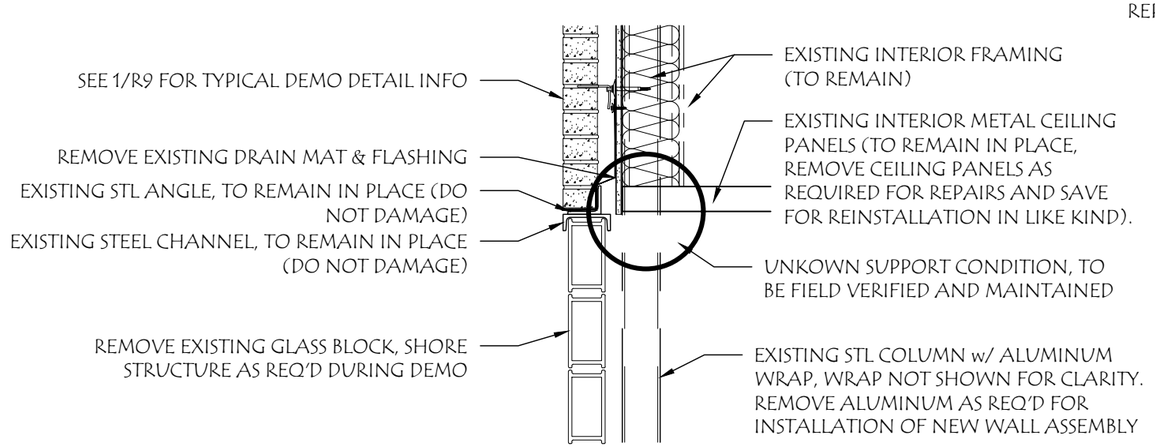


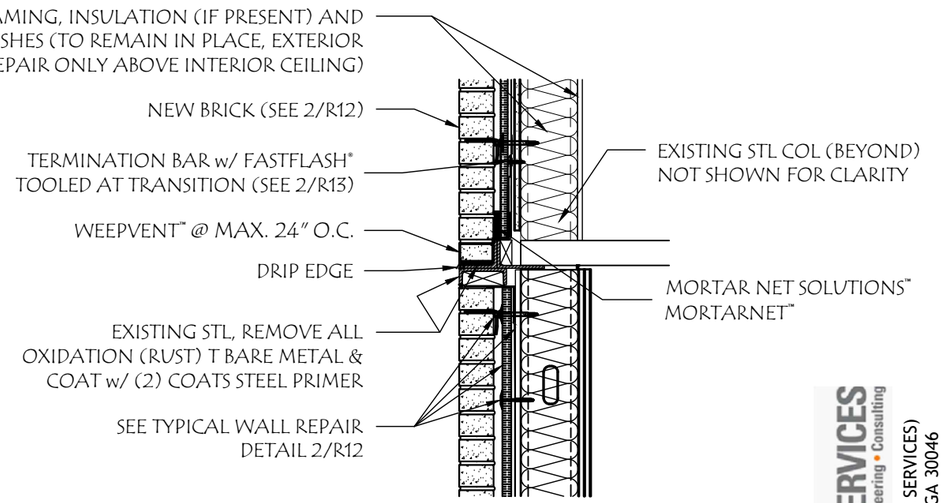
1 R12 DEMOLITION - TYPICAL EXISTING VENEER WALL SECTION
SCALE: 3/4" = 1'-0"



2 R12 REPAIR SECTION - TYPICAL NEW VENEER WALL FRAMING
SCALE: 3/4" = 1'-0"



3 R12 TYPICAL DEMO DETAIL - WALL FRAMING AT SILL DETAIL
SCALE: 3/4" = 1'-0"



4 R12 TYPICAL REPAIR DETAIL - WALL FRAMING AT SILL
SCALE: 3/4" = 1'-0"

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SHEET DESCRIPTION: SECTIONS/DETAILS

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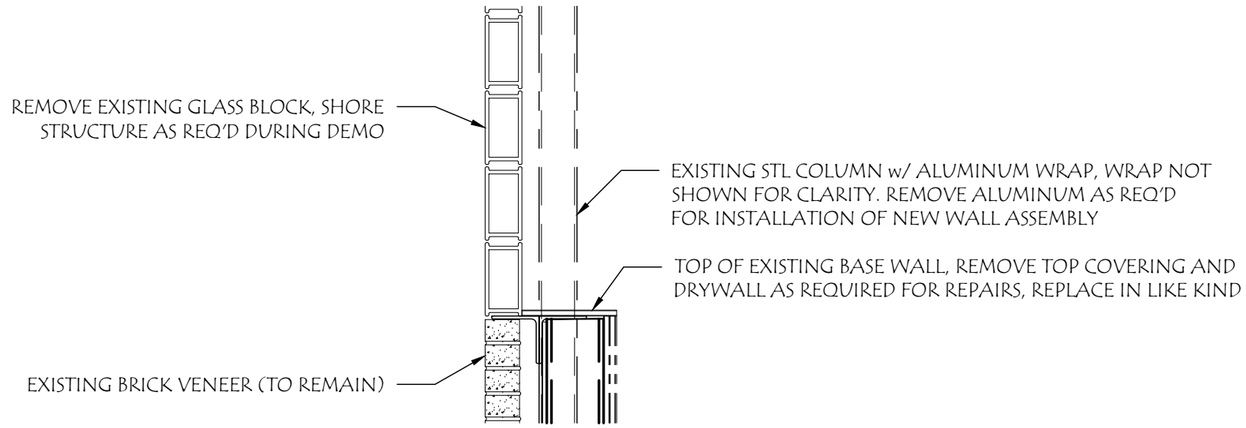
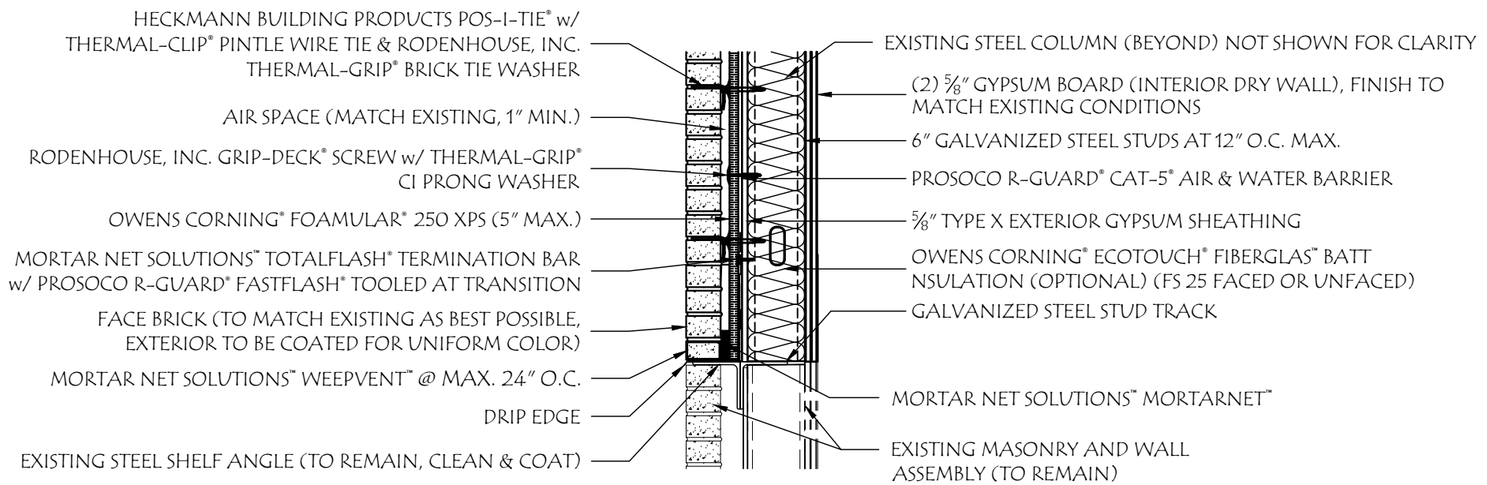


1 / R13 TYPICAL DEMO DETAIL - WALL FRAMING AT GLASS BLOCK SILL

SCALE: 3/4" = 1'-0"



2 / R13 TYPICAL REPAIR DETAIL - WALL FRAMING AT BASE OF EXISTING GLASS BLOCK WALL

SCALE: 3/4" = 1'-0"

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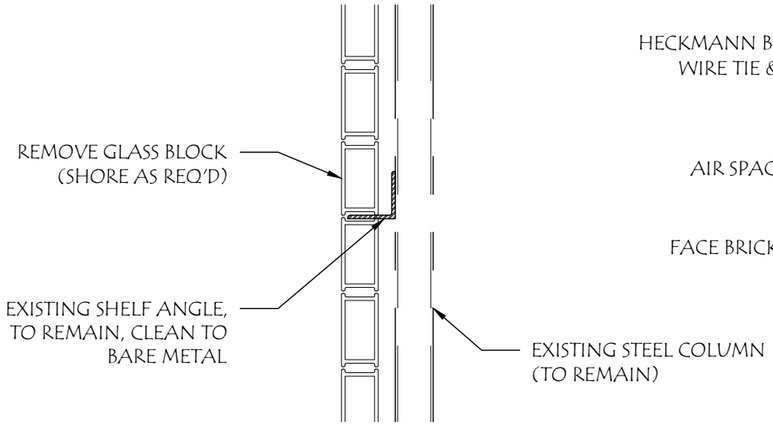
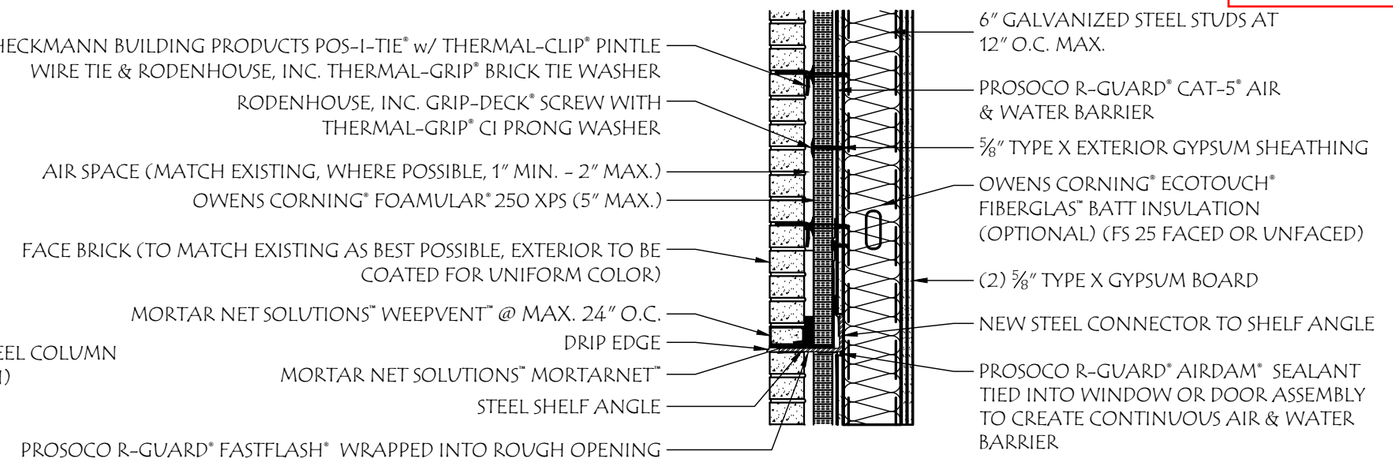
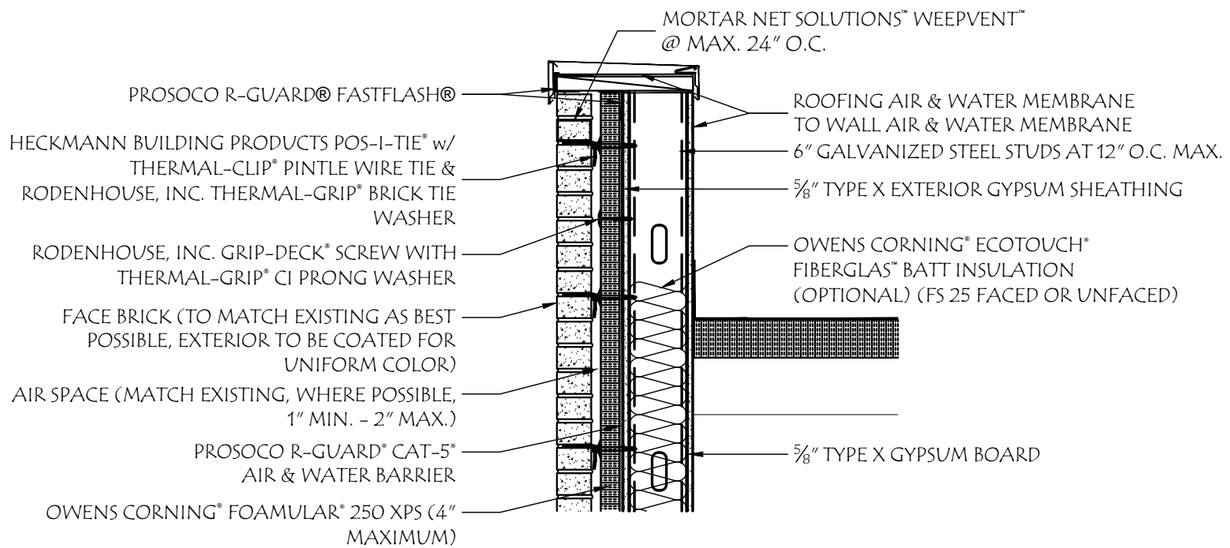


1 R14 TYPICAL DEMO DETAIL - WALL FRAMING AT 2nd FLOOR ANGLE
SCALE: 6" = 1'-0"



2 R14 TYPICAL REPAIR DETAIL - WALL FRAMING AT 2nd FLOOR SHELF ANGLE
SCALE: 3/4" = 1'-0"



3 R14 TYPICAL - PARAPET WALL FRAMING DETAIL
SCALE: 6" = 1'-0"

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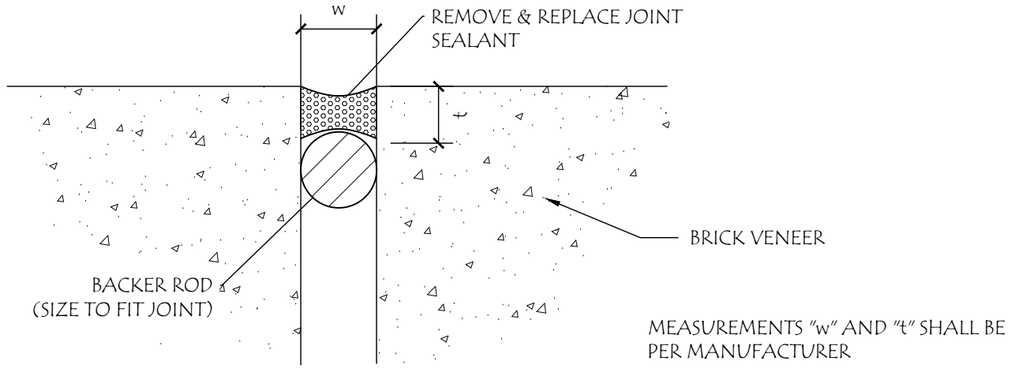
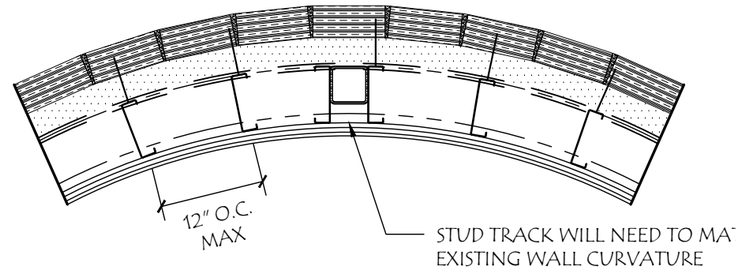
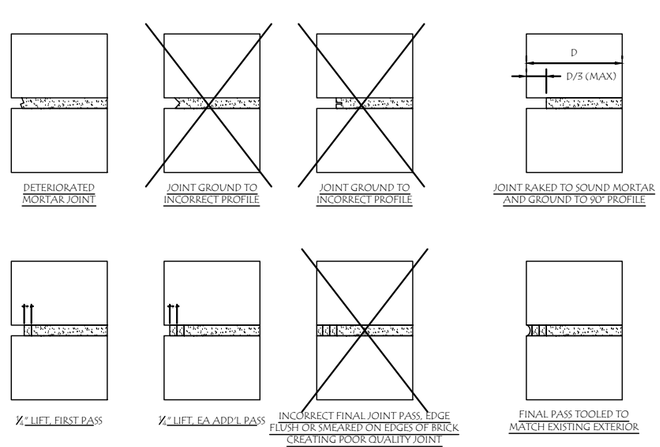


MEASUREMENTS "w" AND "t" SHALL BE PER MANUFACTURER

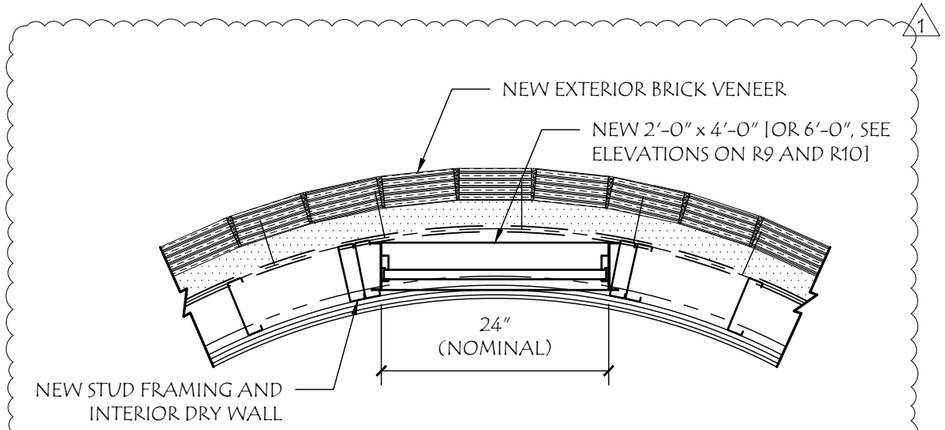
1 / R15 TYPICAL - CONTRACTION JOINT SEALANT REPAIR DETAIL
SCALE: NOT TO SCALE



3 / R15 TYPICAL - PARTIAL PLAN AT NEW STUD/VENEER WALL
SCALE: NOT TO SCALE



2 / R15 DETAIL - REPOINTED BRICK VENEER MORTAR JOINTS
SCALE: NOT TO SCALE



4 / R15 TYPICAL - PARTIAL PLAN AT NEW STUD/VENEER WALL
SCALE: NOT TO SCALE

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PROJECT: SHALLOWFORD ANNEX MASONRY & WATERPROOFING RESTORATION
4470 N Shallowford Rd, Atlanta, GA
CITY OF DUNWOODY PARKS DEPT.

SHEET DESCRIPTION: SECTIONS/DETAILS

SGS22131
PROJECT No.: JLE22606
DRAWN BY: JRL
CHECK BY: JRL
DATE: 03-NOV-23

SHEET No.
R15

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SGS NORTH AMERICA, INC (SGS TEC SERVICES)
235 BUFORD DR, LAWRENCEVILLE, GA 30046
770.995.8000 | Brian.Wolfe@SGS.COM

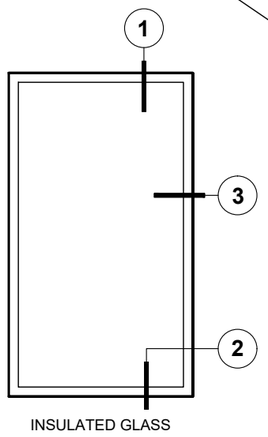
ARCHITECTURAL WINDOW
MANUFACTURING CORPORATION

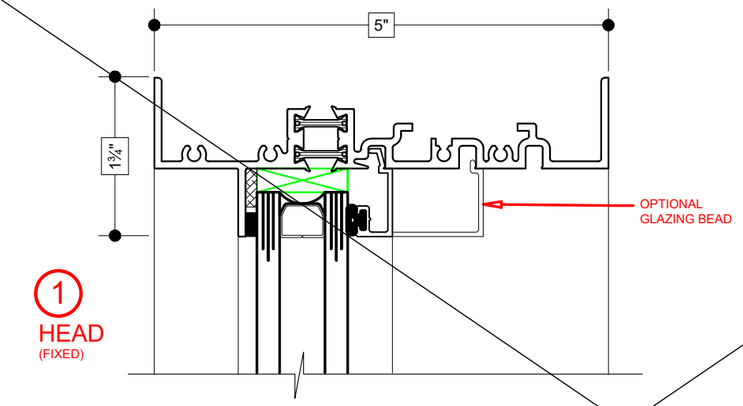
Window Elevations
Series 8090i
Fixed
5" Frame Depth

02/26/19

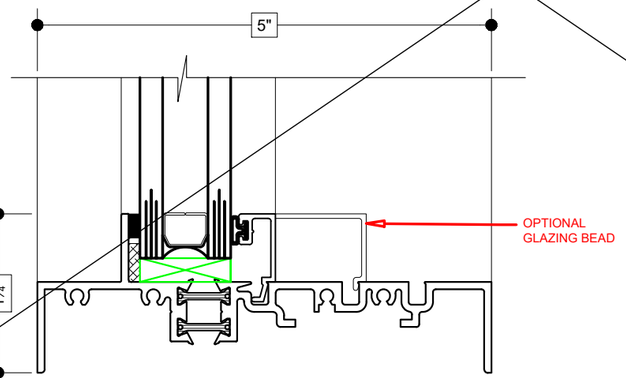
Details shown reflect the most commonly used configurations.
Contact AWM for additional details and/or assistance.

FOR BID

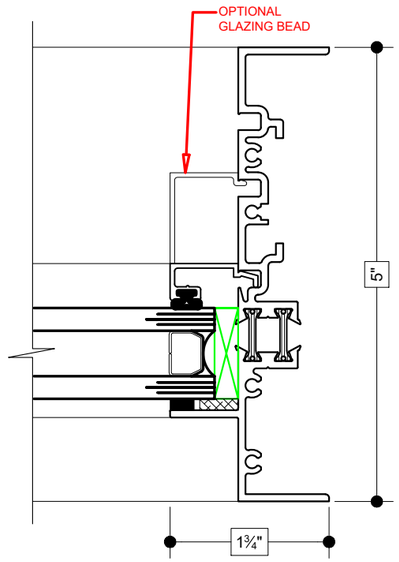




1 HEAD (FIXED)



2 SILL (FIXED)



3 RIGHT JAMB (FIXED)

EXAMPLE DETAILS: CONTRACTOR TO PROVIDE SHOP DRAWINGS
w/ ATTACHMENT DETAILS FROM APPROVED MANUFACTURER

NOT TO SCALE

359 Veterans Blvd., Rutherford, New Jersey 07070
www.architecturalwindow.com
Tel: (201) 939-2200 Fax: (201) 939-2201

REVISIONS

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J. LLOYD ENGINEERING
P.O. Box 169, Watkinsville, GA 30677
404.518.6121 | JRL@Lloyd-Eng.com

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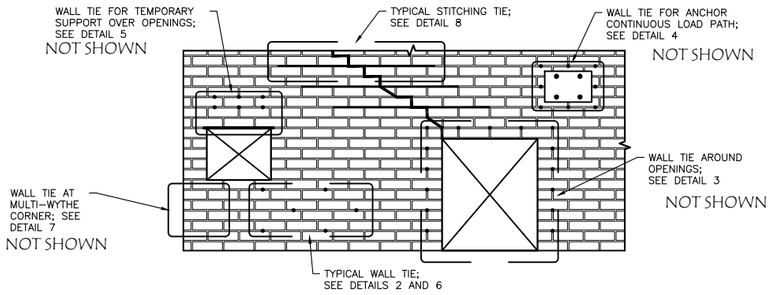
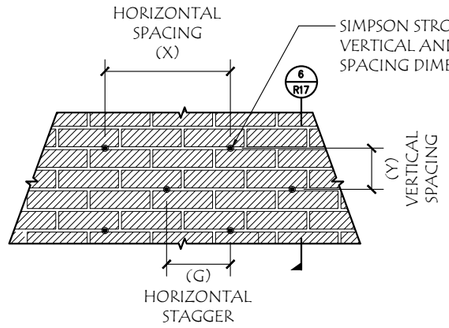
SHEET No.
R16



SIMPSON STRONG-TIE HELI-TIE APPLICATIONS | 1

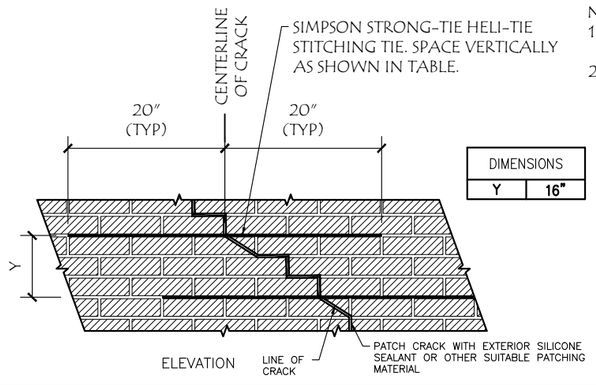


SIMPSON STRONG-TIE HELI-TIE WALL TIES AT VERTICAL AND HORIZONTAL (STAGGERED) SPACING DIMENSIONS AS SHOWN.

DIMENSIONS	
X	24"
Y	16"
G	12"

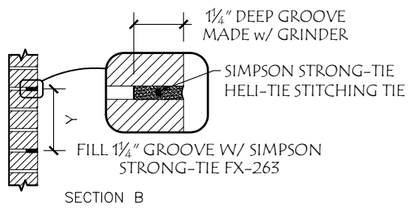
NOTES:
1. REFER TO DETAIL 4/R17 FOR ADDITIONAL INSTALLATION INFORMATION.
2. REFER TO DETAIL 6 FOR ADDITIONAL DIMENSIONS.

TYPICAL WALL TIE APPLICATION ELEVATION | 2



NOTES:
1. REFER TO DETAIL 5/R17 FOR ADDITIONAL INSTALLATION INFORMATION.
2. TO ACCOMMODATE WALL CORNER CONDITIONS, HELI-TIE STITCHING TIE MAY BE BENT 90 DEGREES WITH A MIN. BEND RADIUS OF ¼"

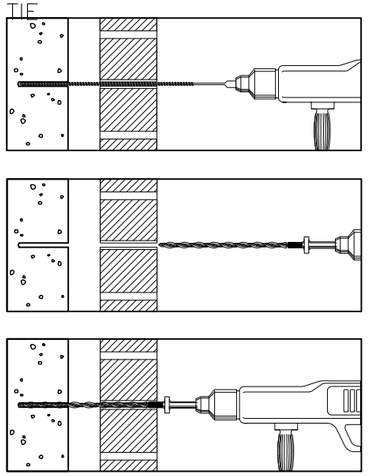
DIMENSIONS	
Y	16"



TYPICAL STITCHING TIE APPLICATION | 3

FOR BID

HELI-TIE™ HELICAL WALL TIE



Drill pilot hole through the façade material and into the backup material to the specified embedment depth + 1" using appropriate drill bit(s) in the chart below. Drill should be in rotation-only mode when drilling into soft masonry or into hollow backing material.

Position blue end of the Heli-Tie fastener in the installation tool and insert the unpainted end into the pilot hole.

With the SDS-plus rotohammer in hammer mode, drive the tie until the tip of the installation tool enters the exterior surface of the masonry and countersinks the tie below the surface. Patch the hole in the façade with a matching masonry mortar

SIZE (IN.)	MODEL NO.	DRILL BIT DIAMETER (IN.)
⅜ x 7	HELI37700A	7/32" * USE ¼" DIA. DRILL BIT UNLESS NOTED OTHERWISE
⅜ x 8	HELI37800A	
⅜ x 9	HELI37900A	
⅜ x 10	HELI371000A	
⅜ x 11	HELI371100A	
⅜ x 12	HELI371200A	
⅜ x 14	HELI371400A	
⅜ x 16	HELI371600A	
⅜ x 18	HELI371800A	
⅜ x 20	HELI372000A	

HELICAL WALL TIE INSTALLATION NOTES | 4

HELI-TIE™ HELICAL STITCHING TIE

Chase bed joint 20" min. on either side of the affected area to a depth of approximately 1¼" with a rotary grinding wheel. Vertical spacing of installation sites should be 12" for brick or every other course for concrete masonry units.

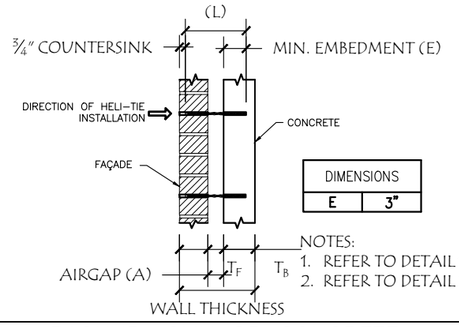
Clear bed joint of all loose debris using water or oil-free compressed air.

Mix non-shrink repair grout or mortar per product instructions and place into the prepared bed joint, filling the void to approximately two-thirds of its depth. Simpson Strong-Tie FX-263 repair mortar should be used.

Embed the tie at one-half the depth of the void.

Trowel displaced grout to fully encapsulate the tie. Fill any remaining voids and vertical cracks with non-shrink repair grout or other repair mortar to conceal repair site.

HELICAL STITCHING TIE INSTALLATION NOTES



DIMENSIONS	
E	3"

NOTES:
1. REFER TO DETAIL 1 FOR SPACING OF WALL TIES.
2. REFER TO DETAIL 2/HT-1 FOR ADDITIONAL INSTALLATION INFORMATION.

BACKUP: CMU OR CONCRETE

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