GMC
915 Lady Street, Suite C
Columbia, SC 29201

ADDENDUM 01

The following items shall take precedence over the drawings and specifications for the above named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

ATTACHMENTS

1. 30 x 42 — Sheet A1.11 Reference Floor Plan w/ Alternates, dated 02/27/2026
2. 30 x 42 — Sheet A2.01 Reflected Ceiling Plan w/o Alternates, dated 02/27/2026
3. 30 x 42 — Sheet A2.11 Reflected Ceiling Plan w/ Alternates, dated 02/27/2026
4. 30 x 42 — Sheet A3.01 Roof Plan, dated 02/27/2026
5. 8.5 x 11 — Specification Section 012300 Alternates, dated 02/27/2026
6. 8.5 x 11 — Specification Section 055133 Metal Ladders, dated 02/27/2026
7. 8.5 x 11 — Specification Section 096723 Resinous Flooring, dated 02/27/2026

GENERAL

1. **The bidder must acknowledge receipt of the Addendum in the box(es) provided on the Bid Form. Failure to acknowledge may be grounds for rejection of the bid.**

2. Bidders are hereby advised that information from bid documents which are not received from the sources listed in the Invitation for Bids is not legitimate and the bidder accepts full responsibility for any differences. GMC has not authorized the scanning of the documents. Bidders should be aware that the plans are copyrighted and any unlawful use is subject to legal action. Bidders are further advised that the purchase and/or use of partial bid documents is not recommended and bidder will be responsible for any discrepancies which might have been avoided had a full set of documents been reviewed.

3. Listing of multiple products or manufacturers within specifications or approval of products or manufacturers via substitution request does not waive or preclude any and all performance, warranty or specific requirements listed within the specification unless specifically noted in the Addendum. Only manufacturers and products meeting the specification requirements and listed in the specifications or included in the Addendum shall be approved for the project.

DRAWINGS: The following changes to the Drawings are to be incorporated into the Contract Documents. Reissued Sheets, 8.5" x 11" sketches, or text notes as listed below, shall be used for Construction and replace or modify previously issued documents.

Drawing Sheet A1.11 Reference Floor Plan w/ Alternates:

a. Finish Legend and Room Finish Schedule revised to ensure consistency with the specification and design intents.

Drawing Sheet A2.01 Reflected Ceiling Plan w/o Alternates:

a. Correction of section marks' locations
b. Dimensions, graphic patterns added for clarification

Drawing A2.11 Reflected Ceiling Plan w/ Alternates:

a. Correction of section marks' locations
b. Dimensions, graphic patterns added for clarification

Drawing A3.01 Roof Plan:

a. Correction of section marks' locations

SPECIFICATIONS:

Specification Section 012300 Alternates:

a. 3.1 Schedule of Alternates revised to reflect design intents and scope of work.

Specification Section 055133 Metal Ladders:

a. Footer revised to be consistent with section number and name.

Specification Section 096723 Resinous Flooring:

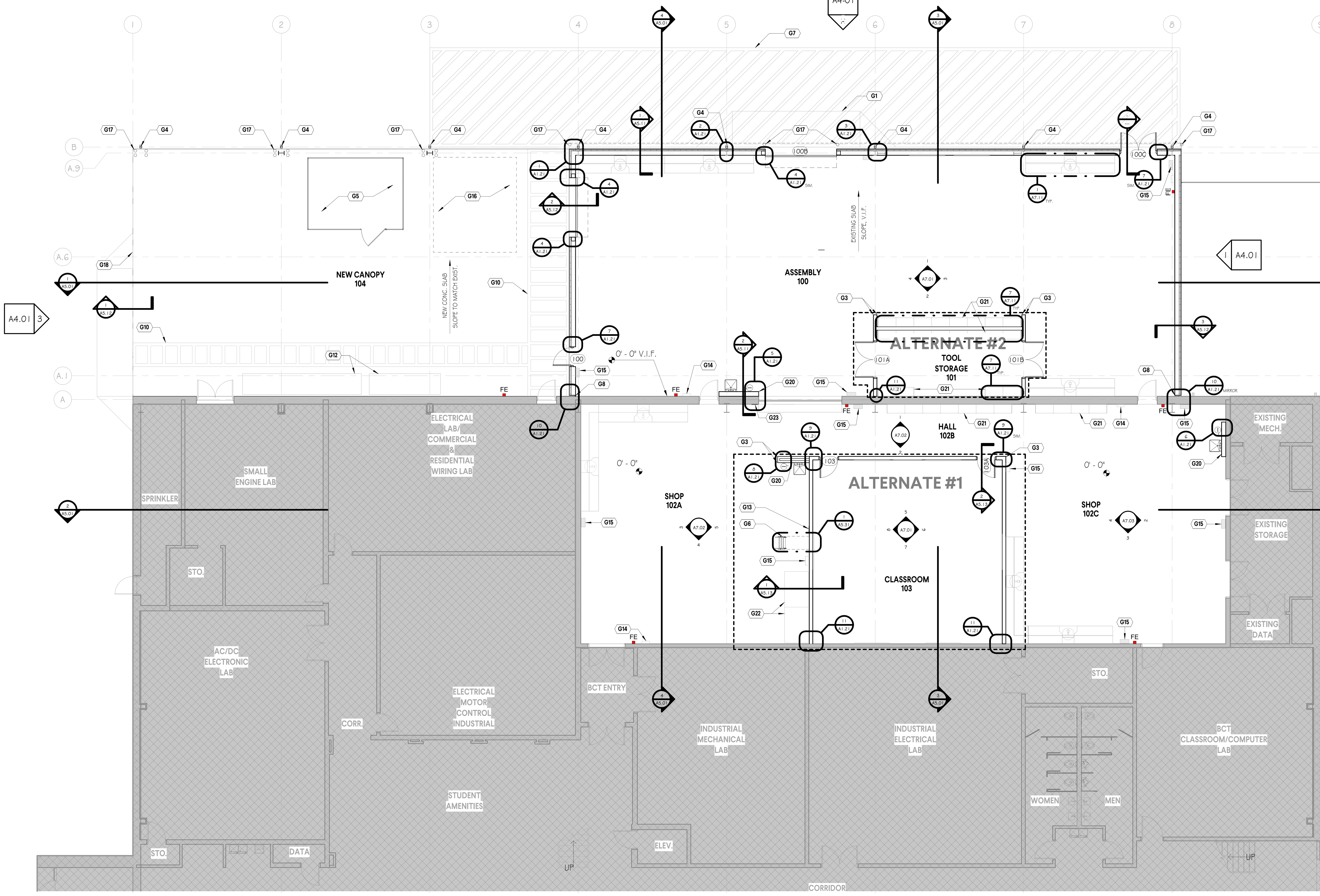
a. New specification added.

SUBSTITUTION REQUESTS:

1. None

Issued by the Architect:
Jian Huang, AIA, NCARB, LEED AP BD+C

END of ADDENDUM 01

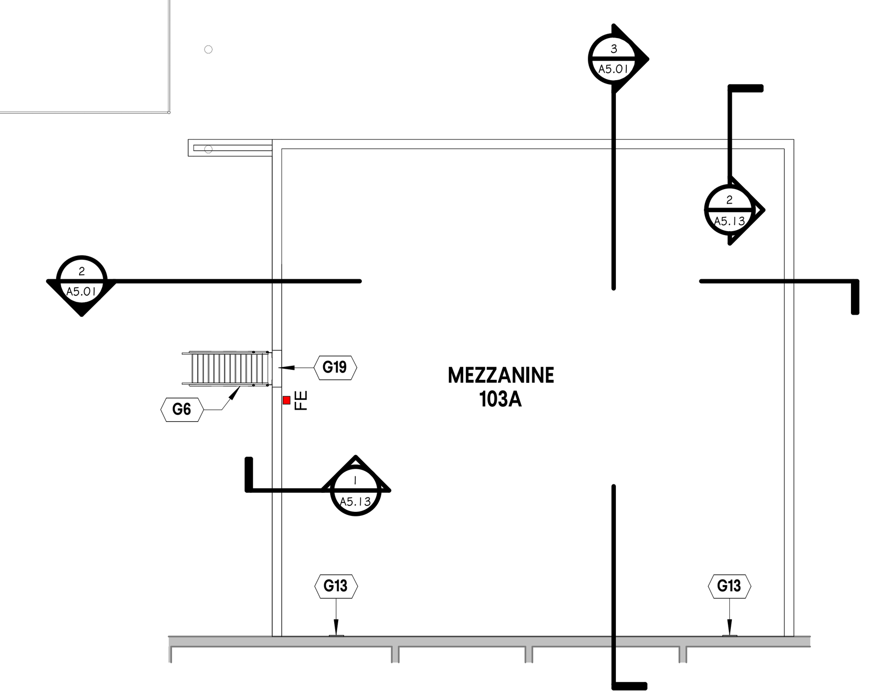


PLAN NORTH

TRUE NORTH

1 LEVEL 1 - FLOOR PLAN - W/ ALTERNATES

SCALE: 1/8" = 1'-0"



2 MEZZANINE - ALTERNATE #1

SCALE: 1/8" = 1'-0"

FINISH LEGEND

KEY	MATERIAL	BASIS-OF-DESIGN	STYLE / COLOR	LOCATION	NOTES
FLOOR					
RFS	RESINOUS FLOORING SYSTEM	-	FINISH TO BE SELECTED BY OWNER	REFER TO ROOM FINISH SCHEDULE	PREPARE THE EXISTING FLOORING SURFACE TO RECEIVE NEW FINISH
C-1	NEW CONCRETE SLAB	-	REFER TO CIVIL DRAWINGS	CANOPY, EXPANDED MECH. YARD	-
PW	PLYWOOD SHEATHING	-	-	MEZZANINE	-
WALL					
PNT-1	PAINT	SHERWIN WILLIAMS	SW 7005 - PURE WHITE	REFER TO ROOM FINISH SCHEDULE	-
PNT-2	PAINT	SHERWIN WILLIAMS	SW 7059 - UNUSUAL GRAY	REFER TO ROOM FINISH SCHEDULE	-
RB-1	RUBBER BASE	TARKETT - JOHNSONITE	40 BLACK B	REFER TO ROOM FINISH SCHEDULE	-
PKP	PROTECTIVE KICK PLATE	-	BRUSHED ALUMINUM	REFER TO DOOR SCHEDULE	-
WC-1	WALL COVERING	CORIAN PANEL	ARTISTA MIST	REFER TO ROOM FINISH SCHEDULE	-
MISCELLANEOUS					
ACT	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA, SQUARE TEGULAR: 24" X 24", WHITE	CLASSROOM	-
PNT-4	PAINT	SHERWIN WILLIAMS	SW 7005 - PURE WHITE, FLAT SHEEN	REFER TO ROOM FINISH SCHEDULE	-

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	CEILING	WALL				COMMENTS
					EAST	NORTH	SOUTH	WEST	
100	ASSEMBLY	RFS	RB-1	PNT-4	VIEW 3/A7.01	VIEW 1/A7.01	VIEW 2/A7.01	VIEW 4/A7.01	-
101	TOOL STORAGE	RFS	RB-1	PNT-4	PNT-1	PNT-1	PNT-1	PNT-1	-
102	HALLWAY	RFS	RB-1	PNT-4	PNT-1	PNT-1	PNT-1	PNT-1	-
102A	SHOP	RFS	RB-1	PNT-4	PNT-1	PNT-1	PNT-1	PNT-1	-
102B	HALL	RFS	RB-1	PNT-4	PNT-1	PNT-1	PNT-1	PNT-1	-
102C	SHOP	RFS	RB-1	PNT-4	PNT-1	PNT-1	PNT-1	PNT-1	-
103	CLASSROOM	RFS	RB-1	ACT	PNT-1	PNT-1	PNT-1	PNT-1	-
103A	MEZZANINE	PW	RB-1	PNT-4	PNT-2	PNT-2	PNT-2	PNT-2	-
104	NEW CANOPY	C-1	-	-	-	-	-	-	-
105	EXPANDED FENCED MECH. YARD	C-1	-	-	-	-	-	-	PROVIDE CONCRETE SLAB AT EQUIPMENT

KEY NOTES - GENERAL CONSTRUCTION

KEY	KEYNOTE
G1	EXISTING EXTERIOR GRADING TO BE MODIFIED TO ACCOMMODATE LEVEL DIFFERENCE BETWEEN INTERIOR FINISH FLOOR AND EXTERIOR GRADE. NEW GRADING TO PROVIDE ACCESSIBLE TRANSITION. REFER TO CIVIL DRAWINGS.
G2	‹varies›
G3	30" H SST. L-PROFILE PROTECTIVE KICK PLATE, REFER TO INTERIOR ELEVATIONS.
G4	DOWNSPOUT, TYP.
G5	12'X16' INDUSTRIAL MAINTENANCE FENCED AREA, REUSE SALVAGED INDUSTRIAL MAINTENANCE FENCE AND GATE, PROVIDE NEW FENCE AS REQUIRED, NEW FENCE TO MATCH EXISTING.
G6	MEZZANINE ACCESS METAL RETRACTABLE LADDER.
G7	LOADING ZONE - STRIPED, WHITE COLOR.
G8	2" EXPANSION JOINT.
G9	CHAIN LINK FENCE & GATE, TO MATCH EXISTING
G10	STRIPED UNOBSTRUCTED PATH FOR EGRESS, COLOR AND PATTERN TO MATCH EXISTING.
G12	RELOCATION OF SALVAGED RACKS AND SHELVES, COORDINATE WITH THE OWNER REGARDING NEW LOCATIONS FOR SPECIFIC RACKS AND SHELVES.
G13	MAX. FLOOR LOAD SIGN FOR MEZZANINE, MOUNTED AT A HEIGHT BETWEEN 48" TO 60", DISPLAYING THE TEXT "CAUTION, FLOOR LOAD NOT TO EXCEED 30 LBS. PER SQUARE FOOT"
G14	FIRST AID KIT, TYP.
G15	FLOOR SWEEP, TYP.
G16	14' X 16' INDUSTRIAL MAINTENANCE AREA, NOT TO BE FENCED.
G17	STEEL BOLLARD, GROUT SOLID, TYP.
G18	OVERHANG ABOVE
G19	SST. L-PROFILE PROTECTIVE KICK PLATE @ CORNER
G20	PARTITION TO RECEIVE WC-1, HEIGHT VARIES, REFER TO INTERIOR ELEVATIONS.
G21	18" D. WOOD SHELVES
G22	48" D. HEAVY-DUTY STEEL SHELVES WITH MELAMINE DECK, BASIS OF DESIGN: #WB601714 BOLTLESS SHELVING & #WB331773A DECK BY GLOBAL INDUSTRIAL
G23	PERMANENT SIGN FOR LIFE SAFETY, MOUNTED AT A HEIGHT BETWEEN 48" TO 60", DISPLAYING THE TEXT "OVERHEAD DOOR REMAINS OPEN AT ALL TIMES FOR EGRESS"

GMC

Goodwyn Mills Cawood, LLC
915 Lady Street, Suite C
Columbia, SC 29201
T 803.766.1235
GMCNETWORK.COM

STATE OF SOUTH CAROLINA
GOODWYN, MILLS CAWOOD, LLC
GREENVILLE, SC
No. 101713
REGISTERED ARCHITECT

ISSUE	DATE
CD SET	12/15/2025
1 Addendum 01	02/27/2026

DRAWN BY: JH & CP

CHECKED BY: JL

AMSC EXPANSION - AIRPORT

1260 LEXINGTON DRIVE, WEST COLUMBIA, SC, 29170

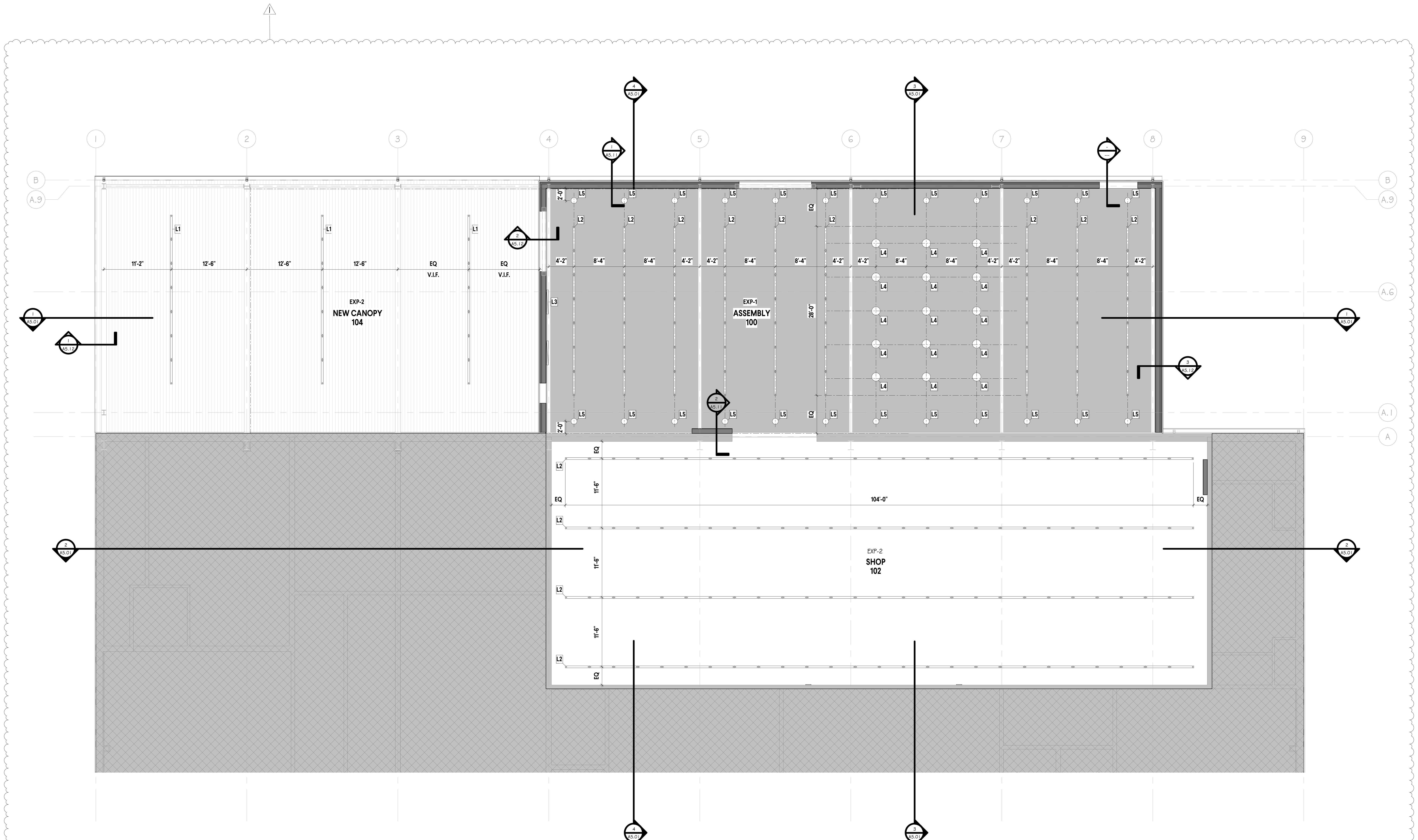
STATE PROJECT: H59-N301-PG

GMC: ACOL240010

STATE OF SOUTH CAROLINA
12/15/25
JUSTIN L. LUCAS
COLUMBIA, SC
8946
REGISTERED ARCHITECT

REFERENCE FLOOR PLAN W/ ALTERNATES

A1.11



PLAN NORTH   TRUE NORTH

1 LEVEL 1 - RCP WITH ALTERNATE #1

SCALE: 1/8" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLAN

1. WHEREVER POSSIBLE NO CEILING TILE SHOULD BE LESS THAN 6" IN ANY DIRECTION.
2. SEE ELECTRICAL FOR ALL LIGHT FIXTURE TYPES AND SIZES.
3. SEE MECHANICAL FOR ALL DIFFUSER TYPES AND SIZES.
4. SEE INTERIOR ELEVATIONS FOR WALL MOUNTED LIGHT FIXTURE HEIGHT AND LOCATIONS.
5. COORDINATE LOCATIONS OF ALL LIGHTS, DIFFUSERS, AND DEVICES BETWEEN THIS RCP, MECHANICAL, FIRE PROTECTION, AND ELECTRICAL. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND BEFORE PROCEEDING.
6. WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER FIXTURE OVER DOOR BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.
7. ALL SPRINKLER HEADS IN ACOUSTIC CEILINGS SHALL BE CENTERED IN CEILING TILE.

REFLECTED CEILING PLAN LEGEND

CEILING FINISHES:

- NOT IN SCOPE
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X2'
- EXISTING SOFFIT
- EXPOSED STRUCTURE

MECHANICAL:

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST FAN

LIGHTING:

- 2X4 LAY-IN FIXTURE
- LINEAR SUSPENDED FIXTURE
- LINEAR WALL MT. FIXTURE
- CIRCULAR SURF. MT. FIXTURE
- CIRCULAR PENDANT FIXTURE
- EXIT LIGHT

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	COLOR: WHITE SIZE: 24" X 24" SUSPENSION SYSTEM
EXP-1	EXPOSED STRUCTURE	EXISTING CONDITION TO REMAIN, PAINT EXPOSED, REFER TO ROOM FINISH SCHEDULE
EXP-2	EXPOSED STRUCTURE	SOFFIT PANEL TO MATCH THE EXISTING, PAINT EXPOSED STRUCTURE, REFER TO ROOM FINISH SCHEDULE.

GMC

Goodwyn Mills Cawood, LLC
915 Lady Street, Suite C
Columbia, SC 29201
T 803.766.1235
GMCNETWORK.COM

STATE OF SOUTH CAROLINA — GOODWYN, MILLS, CAWOOD, LLC — GREENVILLE, SC — No. 101713 — REGISTERED ARCHITECT

ISSUE	DATE
ECD SET	12/15/2025
Addendum 01	02/27/2026

DRAWN BY: CP
CHECKED BY: JL

AMSC EXPANSION - AIRPORT
1260 LEXINGTON DRIVE, WEST COLUMBIA, SC, 29170

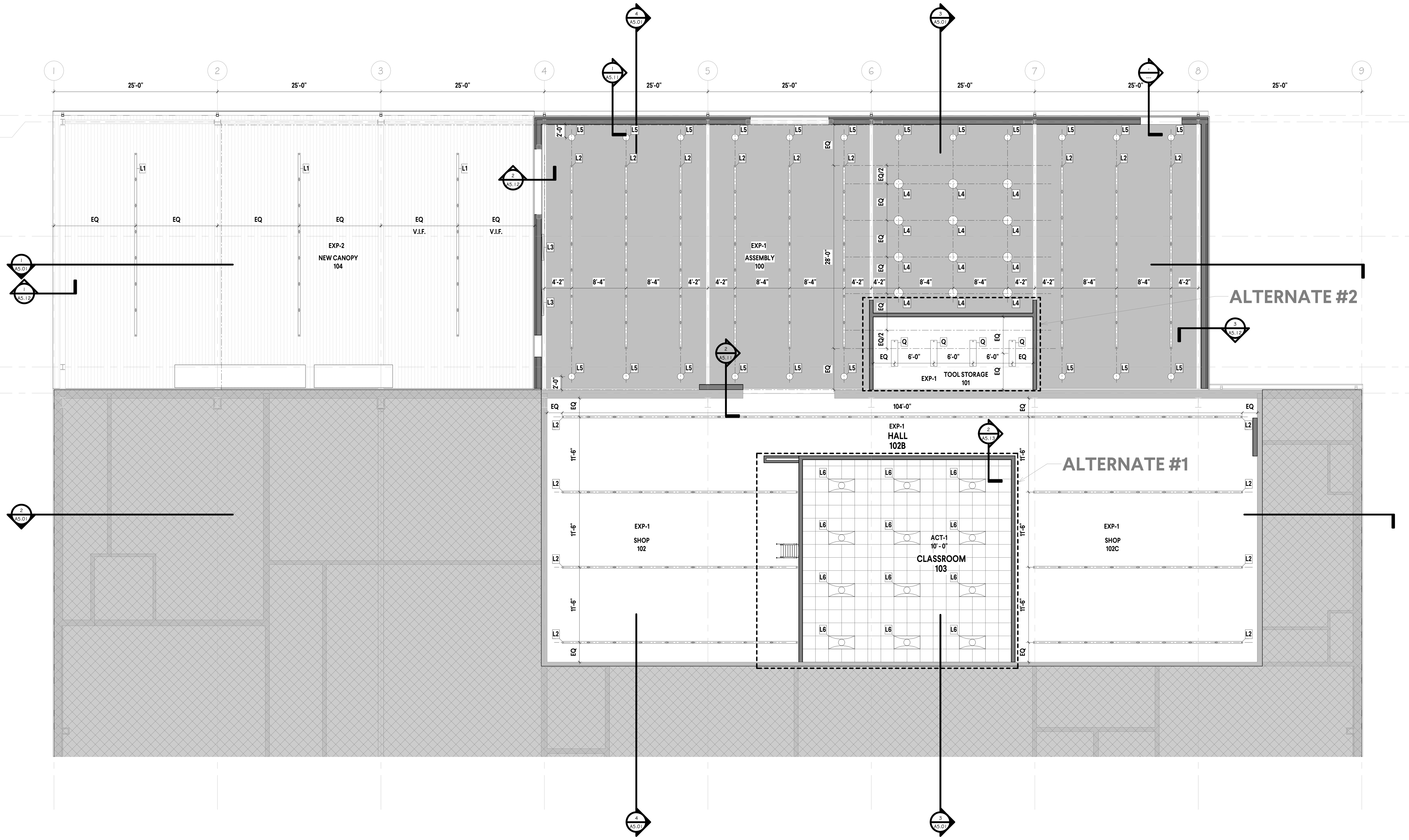
STATE PROJECT: H59-N301-SB
GMC: ACOL240010

STATE OF SOUTH CAROLINA — 12/15/25 — JUSTIN L. LUCAS — COLUMBIA, SC — 8946 — REGISTERED ARCHITECT

REFLECTED CEILING PLAN W/O ALTERNATES

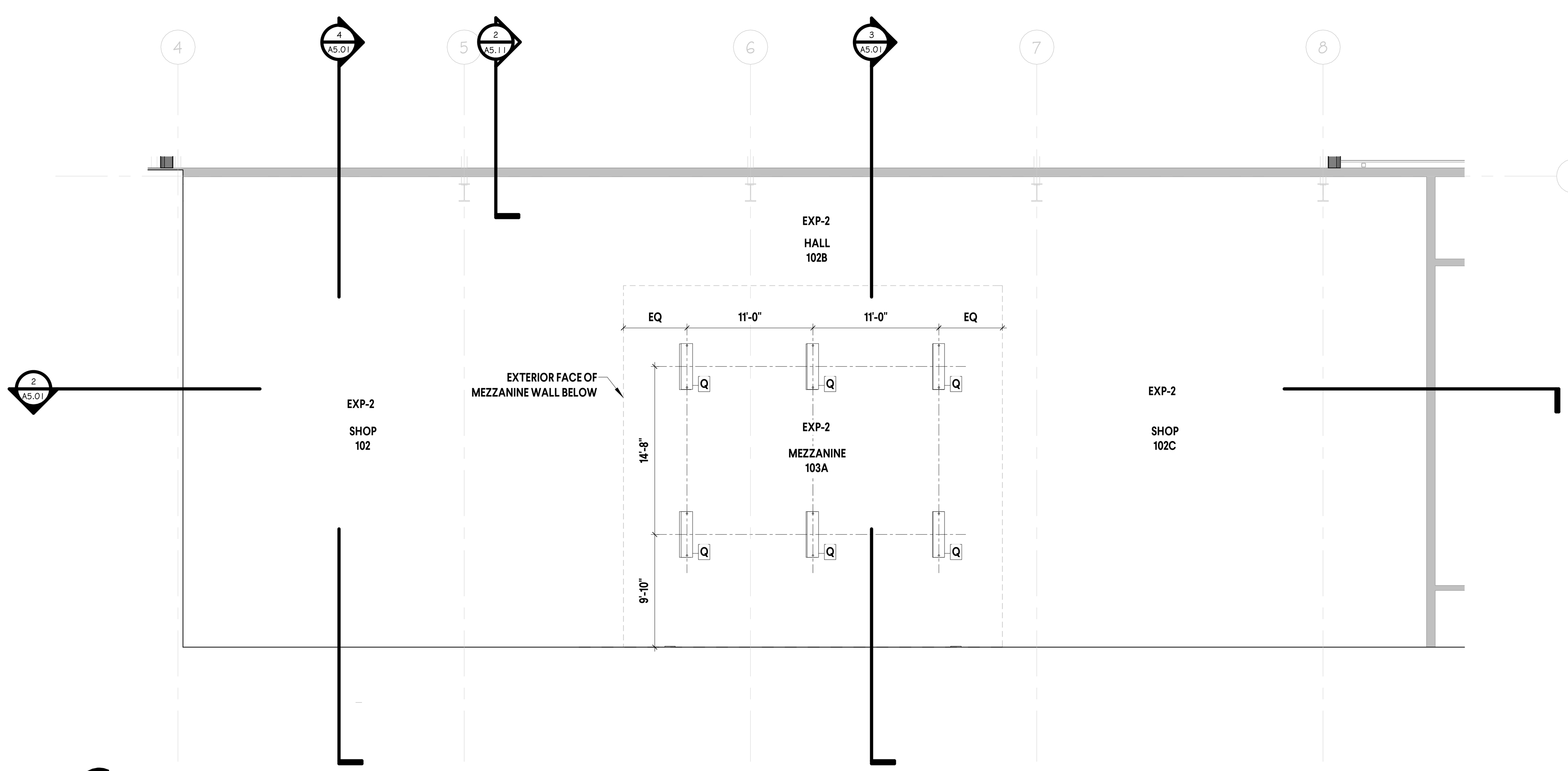
A2.01

TEMPLATE VERSION: 2022.1
2/26/2026 6:21:02 PM



PLAN NORTH
TRUE NORTH

1 LEVEL 1 - RCP
SCALE: 1/8" = 1'-0"



PLAN NORTH
TRUE NORTH

2 MEZZANINE RCP
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND

CEILING FINISHES:
- NOT IN SCOPE
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X2'
- EXISTING SOFFIT
- EXPOSED STRUCTURE

MECHANICAL:
- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST FAN

LIGHTING:
- 2X4 LAY-IN FIXTURE
- LINEAR SUSPENDED FIXTURE
- LINEAR WALL MT. FIXTURE
- CIRCULAR SURF. MT. FIXTURE
- CIRCULAR PENDANT FIXTURE
- EXIT LIGHT

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	COLOR: WHITE SIZE: 24" X 24" SUSPENSION SYSTEM
EXP-1	EXPOSED STRUCTURE	EXISTING CONDITION TO REMAIN, PAINT EXPOSED, REFER TO ROOM FINISH SCHEDULE
EXP-2	EXPOSED STRUCTURE	SOFFIT PANEL TO MATCH THE EXISTING, PAINT EXPOSED STRUCTURE, REFER TO ROOM FINISH SCHEDULE.

LIGHTING FINISH LEGEND

TYPE	FINISH	DETAIL DESCRIPTION
L1	WHITE	MANUFACTURER: REFER TO ELEC. DRAWINGS COLOR: WHITE LOCATION: CEILING-MOUNTED, EXTERIOR, WHERE INDICATED
L2	WHITE	MANUFACTURER: REFER TO ELEC. DRAWINGS COLOR: WHITE LOCATION: SUSPENDED, INTERIOR, WHERE INDICATED
L3	WHITE	MANUFACTURER: REFER TO ELEC. DRAWINGS COLOR: WHITE LOCATION: WALL-MOUNTED, INTERIOR, WHERE INDICATED
L4	WHITE	MANUFACTURER: REFER TO ELEC. DRAWINGS COLOR: WHITE LOCATION: SUSPENDED, INTERIOR, WHERE INDICATED
L5	WHITE	MANUFACTURER: REFER TO ELEC. DRAWINGS COLOR: WHITE, DWHG TEXTURED, P86 LOCATION: SUSPENDED, INSTERIOR, WHERE INDICATED
L6	WHITE	MANUFACTURER: REFER TO ELEC. DRAWINGS COLOR: WHITE LOCATION: RECESSED, INTERIOR, WHERE INDICATED

GENERAL NOTES - REFLECTED CEILING PLAN

1. WHEREVER POSSIBLE NO CEILING TILE SHOULD BE LESS THAN 6" IN ANY DIRECTION.
2. SEE ELECTRICAL FOR ALL LIGHT FIXTURE TYPES AND SIZES.
3. SEE MECHANICAL FOR ALL DIFFUSER TYPES AND SIZES.
4. SEE INTERIOR ELEVATIONS FOR WALL MOUNTED LIGHT FIXTURE HEIGHT AND LOCATIONS.
5. COORDINATE LOCATIONS OF ALL LIGHTS, DIFFUSERS, AND DEVICES BETWEEN THIS RCP, MECHANICAL, FIRE PROTECTION, AND ELECTRICAL. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND BEFORE PROCEEDING.
6. WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER FIXTURE OVER DOOR BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.
7. ALL SPRINKLER HEADS IN ACOUSTIC CEILINGS SHALL BE CENTERED IN CEILING TILE.

GMC

Goodwyn Mills Cawood, LLC
915 Lady Street, Suite C
Columbia, SC 29201
T 803.766.1235
GMCNETWORK.COM

STATE OF SOUTH CAROLINA
GOODWYN, MILLS CAWOOD, LLC
GREENVILLE, SC
No. 101713
REGISTERED ARCHITECT

ISSUE	DATE	
CD SET	12/15/2025	
Addendum 01	02/27/2026	1

DRAWN BY: CP
CHECKED BY: JL

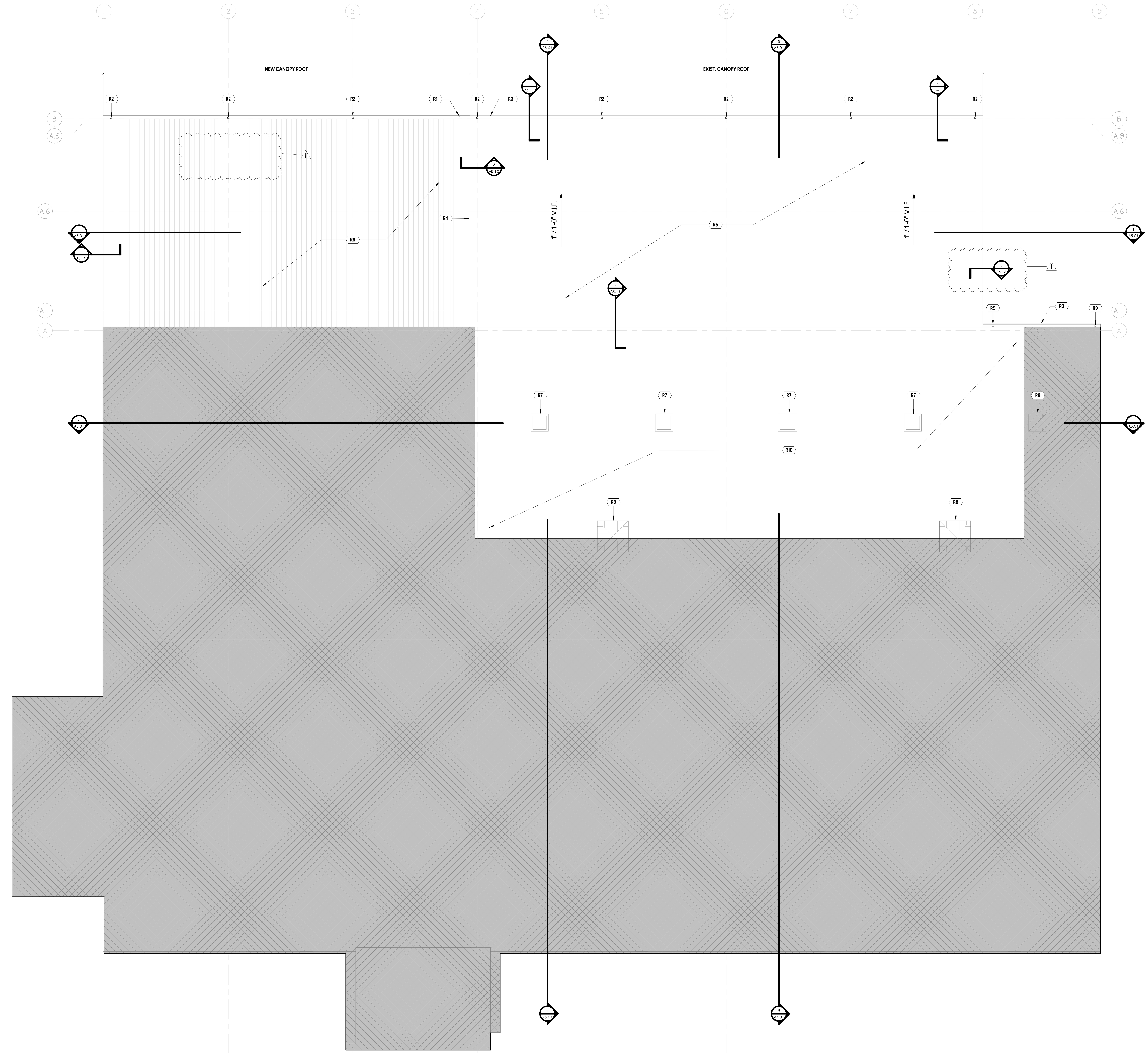
AMSC EXPANSION - AIRPORT
1260 LEXINGTON DRIVE, WEST COLUMBIA, SC, 29170

STATE PROJECT: H59-N301-SB
GMC: ACOL240010

STATE OF SOUTH CAROLINA
12/15/25
JUSTIN L. LUCAS
COLUMBIA, SC
8946
REGISTERED ARCHITECT

REFLECTED CEILING PLAN W/ ALTERNATES

A2.11



PLAN NORTH
TRUE NORTH

1 ROOF PLAN

SCALE: 1/8" = 1'-0"

KEY NOTES - ROOF PLAN

KEY	KEYNOTE
R1	NEW MTL. GUTTER, TYP.
R2	DOWNSPOUT, TYP.
R3	EXISTING GUTTER TO REMAIN, REPAIR OR REPLACE AS REQ'D, TYP.
R4	ROOF EXPANSION JOINT AND COVER SYSTEM
R5	EXISTING CANOPY ROOF SYSTEM TO REMAIN
R6	NEW STANDING SEAM METAL ROOF SYSTEM TO MATCH EXISTING ROOF
R7	EXISTING SKYLIGHT TO REMAIN, TYP.
R8	EXISTING ROOF CURB TO REMAIN, TYP.
R9	EXISTING DOWNSPOUT TO REMAIN, EXTENDED TO DISCHARGE RUNOFF BEYOND THE NEW MECHANICAL YARD AND EQUIPMENT
R10	EXISTING BUILDING ROOF SYSTEM TO REMAIN

ROOF PLAN LEGEND

- NOT IN SCOPE
- EXISTING ROOF
- NEW STANDING SEAM ROOF SYSTEM

GMC
Goodwyn Mills Cawood, LLC
915 Lady Street, Suite C
Columbia, SC 29201
T 803.766.1235
GMCNETWORK.COM

STATE OF SOUTH CAROLINA
GOODWYN, MILLS CAWOOD, LLC
GREENVILLE, SC
No. 101713
REGISTERED ARCHITECT

ISSUE	DATE
CD SET	12/15/2025
Addendum 01	02/27/2026

DRAWN BY: JH
CHECKED BY: JL

AMSC EXPANSION - AIRPORT
1260 LEXINGTON DRIVE, WEST COLUMBIA, SC, 29170

STATE PROJECT: H59-N301-SB
GMC: ACOL240010

STATE OF SOUTH CAROLINA
12/15/25
JUSTIN L. LUCAS
COLUMBIA, SC
8946
REGISTERED ARCHITECT

ROOF PLAN

A3.01

2/26/2026 6:21:04 PM TEMPLATE VERSION: 2022.1

SECTION 01 23 00 - ALTERNATES (Addendum 01, 02/27/2026)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1. Review the related section associated with the work noted in each alternate.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

B. Execute accepted alternates under the same conditions as other work of the Contract.

C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate #1: New Classroom with ladder-access mezzanine as storage. Including adjacent plumbing fixtures.

1. Base Bid: Scope describe below in Alternate not included in project.
2. Alternate Pricing: Provide an alternate price to provide and install New Classroom 103 and Mezzanine 103A, including 6” metal stud walls with gypsum boards on both sides being filled with sound blanket insulation, mezzanine floor system including 6” cold-formed joist with ¾” plywood sheathing on both sides and 6” sound blanket insulation infill, suspended acoustical ceiling tile system, lighting fixtures, fire protection systems, HVAC systems, two doors, retractable ladder, eyewash and utility sink.

B. Alternate #2: New Tool Storage

1. Base Bid: Scope describe below in Alternate not included in project.
2. Alternate Pricing: Provide an alternate price to provide and install New Tool Storage 101, including 6” metal stud walls with gypsum boards on both sides being filled with sound blanket insulation, 6” cold-formed joist ceiling with ¾” plywood sheathing on both sides and 6” sound blanket insulation infill, lighting fixtures, fire protection systems, HVAC systems, two double-swing doors and shelves.

END OF SECTION 01 23 00

SECTION 055133 - METAL LADDERS (Alternate 01, 02/27/2026)

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. Retractable Aluminum Ship Ladder with Handrail

B. Related Requirements:

1. Section 033000 "Cast-in-Place Concrete".
2. Section 054100 "Engineered Cold Formed Metal Framing".
3. Section 092900 “Gypsum Board”.

1.3 REFERENCES:

A. American National Standards Institute (ANSI):

1. ANSI A14.3 - Ladders, Fixed, Safety Requirements.

B. American Society for Testing and Materials (ASTM) Publications:

1. ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate.
2. ASTM B221 - Aluminum-Alloy Extruded Bar, Rod, Wire, Shape, and Tube.

C. Occupational Safety and Health Administration (OSHA):

1. OHSA 1910.23 - Fixed Ladders
2. OSHA 1910.28 – Duty to have fall protection and falling object protection.

1.4 ACTION SUBMITTALS

A. Product Data: For access ladders and accessories.

1. Manufacturer’s data sheets on each product to be used.
2. Preparation instructions and recommendations.
3. Storage and handling requirements and recommendations.
4. Typical installation methods.

B. Shop Drawings: Include details of materials, construction, and finish. Include relationship with adjacent construction.

1.5 INFORMATIONAL SUBMITTALS

A. Manufacturer’s qualifications: Evidence of experience manufacturing similar ladders for a minimum of 5 years.

B. Welding certificates: Documentation showing welders are certified in accordance with AWS D1.2/D1.2M standards, Structural Welding Code - Aluminum.

C. Certifications that ladders meet applicable OSHA and local building code requirements.

D. Mill certificates for metal materials verifying compliance with specified grades.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum of five (5) years documented experience.

B. Installer Qualifications: Company specializing in performing Work of this section with minimum two (2) years documented experience with projects of similar scope and complexity.

1.7 FIELD CONDITIONS

A. Field Measurements: Verify actual locations of walls and other construction contiguous with metal fabrications by field measurements before fabrication.

B. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Store and handle in strict compliance with manufacturer's written instructions and recommendations.

B. Protect from damage due to weather, excessive temperature, and construction operations.

1.9 WARRANTY

A. limited warranty of minimum five (5) years

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design: Model MP70 by ALACO Ladder Co. Or comparable product by one of the following:
1. UPNOVR, Inc.
2. Global Equipment Company Inc.

2.2 RETRACTABLE ALUMINUM SHIP LADDER WITH HANDRAIL

A. Type: Retractable, Wall Mounted.

B. Material:
1. Extruded Aluminum: ASTM B221, Alloy 6061 Temper T-6, non-spark.
2. Sheet Aluminum: ASTM B209 6061 Temper T-6.
3. Finish: Mill finished aluminum, no paint.

C. Loading Capacity: 500 pounds, minimum.

D. Width: 24 inches (610 mm) width, minimum.

E. Accommodation Height: 14 feet (4267 mm) height.

F. Angle of Inclination: 70 degrees.

G. Rungs:
1. Size: 4 inches (102 mm) depth, minimum, by 24 inches (610 mm) depth.

2. Rungs Spacing: 12 inches (305 mm) maximum on centers.
3. Surface: Nonslip surface - Corrugated surface or abrasive material metallically bonded to rung.
4. Fit rungs in centerline of siderails; plug-weld and grind smooth on outer rail faces.

H. Handrail:
1. 1-1/4 inches (32 mm) diameter round serrated aluminum tubing with cast aluminum fittings.
2. Form returns with 6 inches (152 mm) radius.
3. Attach rail to rails with pipe sections spaced evenly at no more than 48 inches (1219 mm) such that rail projects approximately 6 inches (152 mm) above stringer.
4. Handrail to extend above top tread a minimum of 42 inches (1067 mm).

I. Operating Mechanism: **Pivoting hinged counterbalanced mechanism** attached to support structure with brackets as detailed on approved shop drawings.

2.3 ACCESSORIES:

A. Wall Mounting Brackets and Bolts: Support ladders at top, comply with ladder manufacturer’s written instructions and recommendations.

B. Non-marking solid rubber feet:
1. Extend 3/4 inch (19.1 mm) from the siderails’ ends, refer also to architectural drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Do not begin installation until the substrates have been properly constructed and prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Prior to fabrication, field verify required dimensions.

D. Coordinate Ladder Installation with Construction of:

E. Metal stud walls specified in Section 05 41 00 – Engineered Cold-Formed Metal Framing
1. Ensure adequate support and blocking for attachment of brackets and support of ladder.

F. Insulate dissimilar metals to prevent electrolysis with bituminous paint or non-absorptive isolation pad to prevent contact.

3.2 INSTALLATION, GENERAL

A. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Do not weld, cut, or abrade surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.

B. Confirm loads and provide adequate support. Attachment to metal stud framing must be verified, provide proper block / support for proper installation.

3.3 FIELD QUALITY CONTROL:

A. After Installation Ladder Inspection: Verify proper, secure, and safe installation.

3.4 CLEANING AND PROTECTION:

A. Clean products in accordance with the manufacturers' recommendations.

1. Clean ladder using clean water and mild detergent. Do not use abrasive agent, steel wool, or harsh chemicals. Rinse with clean water.
2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 05 51 33

SECTION 096723 - RESINOUS FLOORING (Addendum 01, 02/27/2026)

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. Resinous flooring.

B. Related Sections:

1. Section 033000 "Cast In Place Concrete" for newly installed concrete floor slab.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include manufacturer's technical data, installation instructions, and recommendations for each resinous flooring component required.

B. Samples: For each resinous floor system required and for each color and texture specified, 6 inches (150 mm) square in size, applied to a rigid backing by Installer for this Project.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Material Certificates: For each resinous flooring component.

C. Material Test Reports: For each resinous flooring system, by a qualified testing agency.

D. Field quality-control reports.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For resinous flooring to include in maintenance manuals.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

1. Engage an installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.

B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.

1. Apply full-thickness mockups on 96-inch- (2400-mm-) square floor area selected by Architect.

a. Include 96-inch (2400-mm) length of integral cove base with inside corner.

2. Simulate finished lighting conditions for Architect's review of mockups.
3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.

1.8 FIELD CONDITIONS

A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring installation.

B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring installation.

C. Close spaces to traffic during resinous flooring installation and for 24 hours after installation unless manufacturer recommends a longer period.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Flammability: Self-extinguishing in accordance with ASTM D635.

2.2 RESINOUS FLOORING-**SSC-1**

A. Resinous Flooring System: Abrasion-, impact-, and chemical-resistant, aggregate-filled, resin-based monolithic floor surfacing designed to produce a seamless floor.

1. Basis of Design Product: DEX-O-TEX Tek-Crete SL-B by Bonitz

B. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, grouting coats, and topcoats, from single source from single manufacturer. Obtain secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from manufacturer recommended in writing by manufacturer of primary materials.

C. System Characteristics:

1. Color and Pattern: **Light Grey** as selected by Owner from manufacturer's full range
2. Wearing Surface: **Textured for slip resistance**, as selected by Owner from manufacturer’s full range.
3. Overall System Thickness: **3/16 inch (4.8 mm)** to **1/4 inch (6.4 mm)**

D. System Physical Properties: Provide resinous flooring system with the following minimum physical property requirements when tested in accordance with test methods indicated:

1. Compressive Strength: **6,100 psi (42.0 MPa)** minimum in accordance with ASTM C579.
2. Tensile Strength: **1,000 psi (6.89 MPa)** minimum in accordance with ASTM C307.
3. Flexural Modulus of Elasticity: **2,000 psi (13.8 MPa)** minimum in accordance with ASTM C580.
4. Water Absorption: **0.64%** maximum in accordance with MIL-D-3134.
5. Shrinkage: **1.4×10^{-5} in/in/ °F** maximum in accordance with ASTM C531.
6. Impact Resistance: No chipping, cracking, or delamination and not more than 1/16-inch (1.6-mm) permanent indentation in accordance with MIL-D-3134J.
7. Resistance to Elevated Temperature: No slip or flow of more than 1/16 inch (1.6 mm) in accordance with MIL-D-3134J.
8. Abrasion Resistance: **33 mg** maximum weight loss in accordance with ASTM D1044.
9. Hardness: **85-90** Durometer, Shore D in accordance with ASTM D2240.
10. Flammability-Critical Radiant Flux (ASTM E648): **1.07 watts/sq.cm**.

E. Body Coat: 3/16 to 1/4 inch (5 to 6 mm), with sand broadcast to rejection.
Top Coat: Tek-Crete Sealer CP. UV and abrasion resistant High Build Polyaspartic Topcoat, typically applied in two, (2), coats.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resinous flooring systems.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Prepare and clean substrates in accordance with resinous flooring manufacturer's written instructions for substrate indicated to ensure adhesion..

B. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.

1. Roughen concrete substrates as follows:

a. Shot-blast surfaces with an apparatus that abrades the concrete surface, contains the dispensed shot within the apparatus, and recirculates the shot by vacuum pickup.
b. Comply with requirements in SSPC-SP 13/NACE No. 6, with a Concrete Surface Profile of 3 or greater in accordance with ICRI Technical Guideline No. 310.2R, unless manufacturer's written instructions are more stringent.

2. Repair damaged and deteriorated concrete in accordance with resinous flooring manufacturer's written instructions.
3. Moisture Testing: Perform tests so that each test area does not exceed **1000 sq. ft. (304.8 sq. m)**, and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.

a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of **5 lb of water/1000 sq. ft. (2.27 kg of water/92.9 sq. m)** in 24 hours.
b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum **75** percent relative humidity level measurement.

4. Alkalinity and Adhesion Testing: Perform tests recommended in writing by resinous flooring manufacturer. Proceed with installation only after substrate alkalinity is not less

than **6** or more than **8** pH unless otherwise recommended in writing by flooring manufacturer,

C. Patching and Filling: Use patching and fill material to fill holes and depressions in substrates in accordance with manufacturer's written instructions.

1. Control Joint Treatment: Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring in accordance with manufacturer's written instructions.

D. Resinous Materials: Mix components and prepare materials in accordance with resinous flooring manufacturer's written instructions.

3.3 INSTALLATION

A. Apply components of resinous flooring system in accordance with manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness specified.

1. Coordinate installation of components to provide optimum adhesion of resinous flooring system to substrate, and optimum intercoat adhesion.
2. Cure resinous flooring components in accordance with manufacturer's written instructions. Prevent contamination during installation and curing processes.
3. Expansion and Isolation Joint Treatment: At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.

B. Primer: Apply primer over prepared substrate at spreading rate recommended in writing by manufacturer.

C. Self-Leveling Body Coats: Apply self-leveling slurry body coats in thickness specified for flooring system.

1. Aggregates: Broadcast aggregates at rate recommended in writing by manufacturer. After resin is cured, remove excess aggregates to provide surface texture indicated.

D. Grout Coat: Apply grout coat to fill voids in surface of final body coat.

E. Topcoats: Apply topcoats in number indicated for flooring system specified, at spreading rates recommended in writing by manufacturer, and to produce wearing surface specified.

3.4 FIELD QUALITY CONTROL

A. Material Sampling: Owner may, at any time and any number of times during resinous flooring installation, require material samples for testing for compliance with requirements.

1. Owner will engage an independent testing agency to take samples of materials being used. Material samples will be taken, identified, sealed, and certified in presence of Contractor.

2. Testing agency will test samples for compliance with requirements, using applicable referenced testing procedures or, if not referenced, using testing procedures listed in manufacturer's product data.
3. If test results show applied materials do not comply with specified requirements, pay for testing, remove noncomplying materials, prepare surfaces coated with unacceptable materials, and reinstall flooring materials to comply with requirements.

B. Core Sampling: At Owner's direction and at locations designated by Owner, take one core sample per 1000 sq. ft. (92.9 sq. m) of resinous flooring, or portion of, to verify thickness. For each sample that fails to comply with requirements, take two additional samples. Repair damage caused by coring. Correct deficiencies in installed flooring as indicated by testing.

3.5 PROTECTION

A. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.

END OF SECTION 096723