

Project No. 2022_110

Midlothian ISD Baxter ES Kitchen Upgrades

ADDENDUM NO. 1

March 9, 2023

GENERAL: The following changes, additions or deletions for the above project shall be made to the Contract Documents; all other Conditions shall remain the same. Note: the additions, deletions or changes listed in this Addendum may affect more than the specific instance(s) mentioned. Coordination may be necessary to fully revise cases of duplicate information. The Addendum supersedes current conditions shown. Acknowledge receipt of this Addendum. This addendum forms a part of the Contract Documents and modifies them as follows:

NOTICE

Addendum No. 2 will be issued March 20, 2023 and will include additional bidder questions.

BIDDER'S QUESTIONS/CLARIFICATIONS

1. *Will the fire protection need to be replaced or updated for the HVAC Hood area?*

Currently there are not provisions for revising the hood or hood fire suppression system.

2. *Who is the make and model of the existing Fire Alarm Panel & System?*

The existing fire alarm manufacturers is Fire Lite. The specific fire alarm control panel model should be field verified by the fire alarm contractor.

3. *Please confirm Fire Alarm scope to support, remove and reinstall devices?*

Fire alarm scope was shown on construction documents. Please refer to the drawings.

4. *Please confirm Fire Sprinkler scope to support, remove and reinstall devices?*

Contractor shall rework the existing wet sprinkle system as required in order to accommodate areas of renovation and/or areas required by Local AHJ to be covered by the sprinkler system. This shall include but is not limited to the upsizing, reworking and extension of the fire main, sprinkler mains, cross mains and branch lines. The Sub-Contractor shall coordinate the removal and replacement of any existing ceiling affected by the sprinkler system rework with the General Contractor. Where existing systems are modified, the contractor shall match the existing sprinkler head types and provide escutcheons for all new and existing sprinkler heads as needed.

5. Will all the revised electrical outlets be required to have GFCI protection?

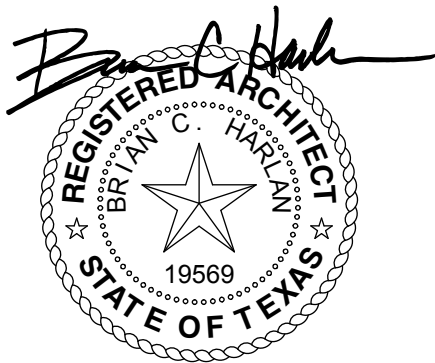
Yes, all kitchen receptacles are required by Code to be GFCI protected.

DRAWINGS

- A1.: Sheet G-001 Title Sheet: REPLACE in its entirety with the attached, dated 03/09/23
- A2: Sheet G-002 Wall Types/Project Information: REPLACE in its entirety with the attached, dated 03/09/23.
- A3: Sheet A-101 First Floor Plan: REPLACE in its entirety with the attached, dated 03/09/23.
- A4: Sheet A-103 First Floor RCP: REPLACE in its entirety with the attached, dated 03/09/23.
- A5: Sheet A-601 Door Sched/Elev: REPLACE in its entirety with the attached, 03/09/23.
- A6: Sheet A-701 Floor Finish Plan: REPLACE in its entirety with the attached. 03/09/23
- A7: Sheet A-703 Door Hardware Specifications: REPLACE in its entirety with the attached, 03/09/23.

ATTACHMENTS:

- G-001, Title Sheet, dated 03/09/23
- G-002, Wall Types/Project Information, dated 03/09/23
- A-101, First Floor Plan, dated 03/09/23
- A-103 First Floor RCP, dated 03/09/23
- A-601 Door Sched/Elev, dated 03/09/23
- A701 Floor Finish Plan, dated 03/09/23
- A703 Door Hardware Specifications, dated 03/09/23



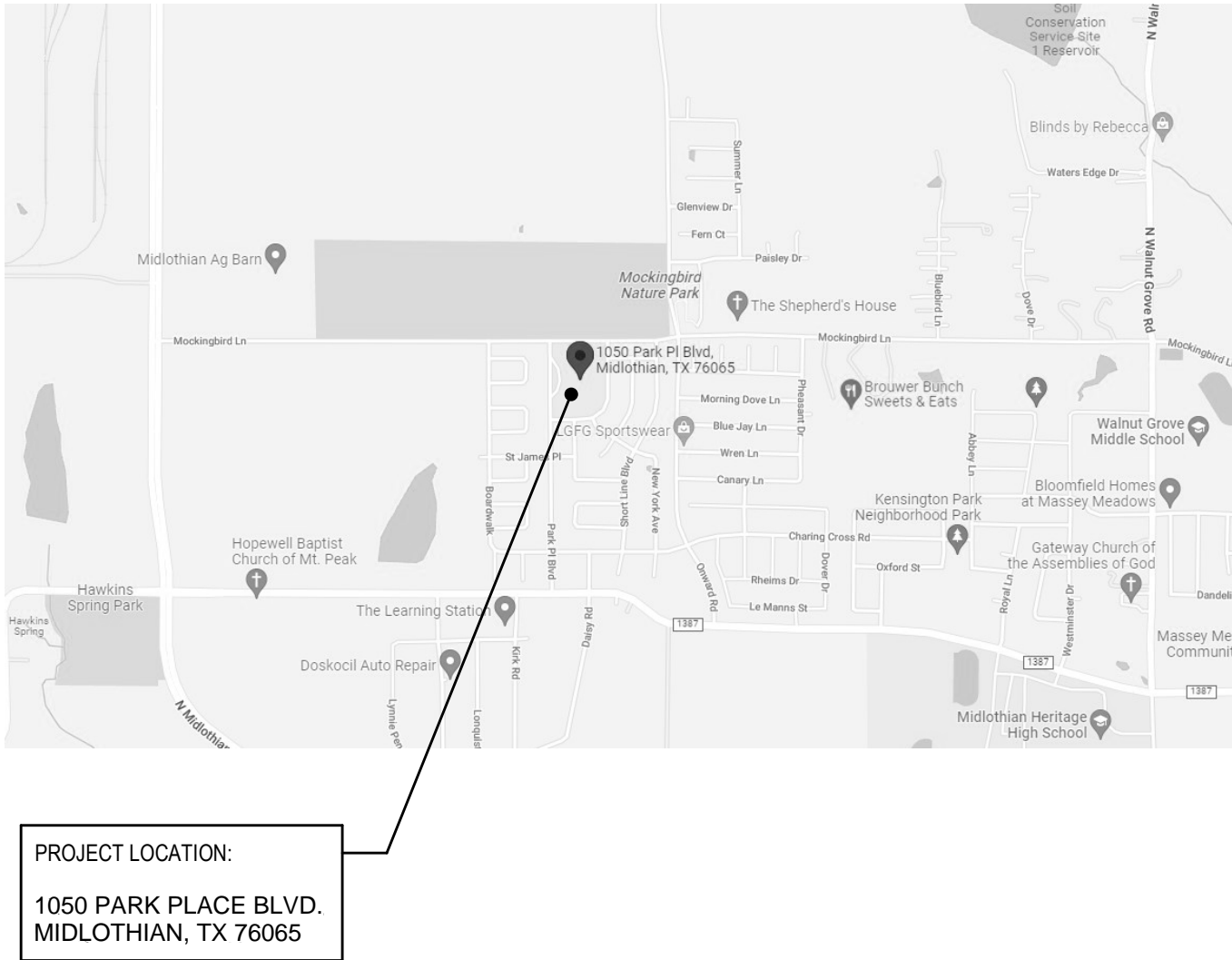
03-03-2023

T E BAXTER ELEMENTARY SCHOOL KITCHEN EQUIPMENT REPLACEMENT

CONSULTANT INFO

MEP - RWB CONSULTING ENGINEERS
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DALLAS, TX 75243
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Office: (972) 788-4222
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VICINITY MAP



PROJECT LOCATION:
1050 PARK PLACE BLVD.
MIDLOTHIAN, TX 76065

SHEET INDEX

general				
SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
G-001	TITLE SHEET	03/09/2023	1	03-09-2023
G-002	WALL TYPES/PROJECT INFORMATION	03/09/2023	1	03-09-2023

architectural				
SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
A0101	DEMOLITION PLANS	03/09/2023	1	03-09-2023
A-101	FIRST FLOOR PLAN	03/09/2023	1	03-09-2023
A-103	FIRST FLOOR RCP	03/09/2023	1	03-09-2023
A-601	DOOR SCHED./ELEV.	03/09/2023	1	03-09-2023
A-701	FLOOR FINISH PLAN	03/09/2023	1	03-09-2023
A-702	SPECIFICATIONS	03/09/2023		
A-703	DOOR HARDWARE SPECIFICATIONS	03/09/2023	1	03-09-2023

mechanical				
SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
M001	SPECIFICATIONS - MECHANICAL	03/09/2023		
M100	FLOOR PLAN - LEVEL 1 - KITCHEN - HVAC	03/09/2023		

plumbing				
SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
P000	PLUMBING SPECIFICATIONS, LEGENDS & NOTES	03/09/2023		
P100	FLOOR PLAN - LEVEL 1 - PLUMBING	03/09/2023		

electrical				
SHEET #	DESCRIPTION	ORIG. ISSUE	REV. DELTA #	REV. DATE
E000	ELECTRICAL NOTES & LEGENDS	03/09/2023		
E001	SPECIFICATIONS ELECTRICAL	03/09/2023		
E100	FLOOR PLAN - LEVEL 1 - ELECTRICAL	03/09/2023		
E200	FLOOR PLAN - LEVEL 1 - LIGHTING	03/09/2023		
E600	ELETRICAL DETAILS	03/09/2023		
E700	LIGHT FIXTURE & PANEL SCHEDULES	03/09/2023		

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T E BAXTER ELEMENTARY SCHOOL

KITCHEN EQUIPMENT REPLACEMENT

1050 PARK PLACE BLVD.
MIDLOTHIAN, TX 76065

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OWP PROJECT NO. DATE OF ISSUE
2022-110-00 03.09.2023

REVISIONS

DELTA	DESCRIPTION	DATE
1	ADDENDUM	03-09-2023

PROJECT TEAM

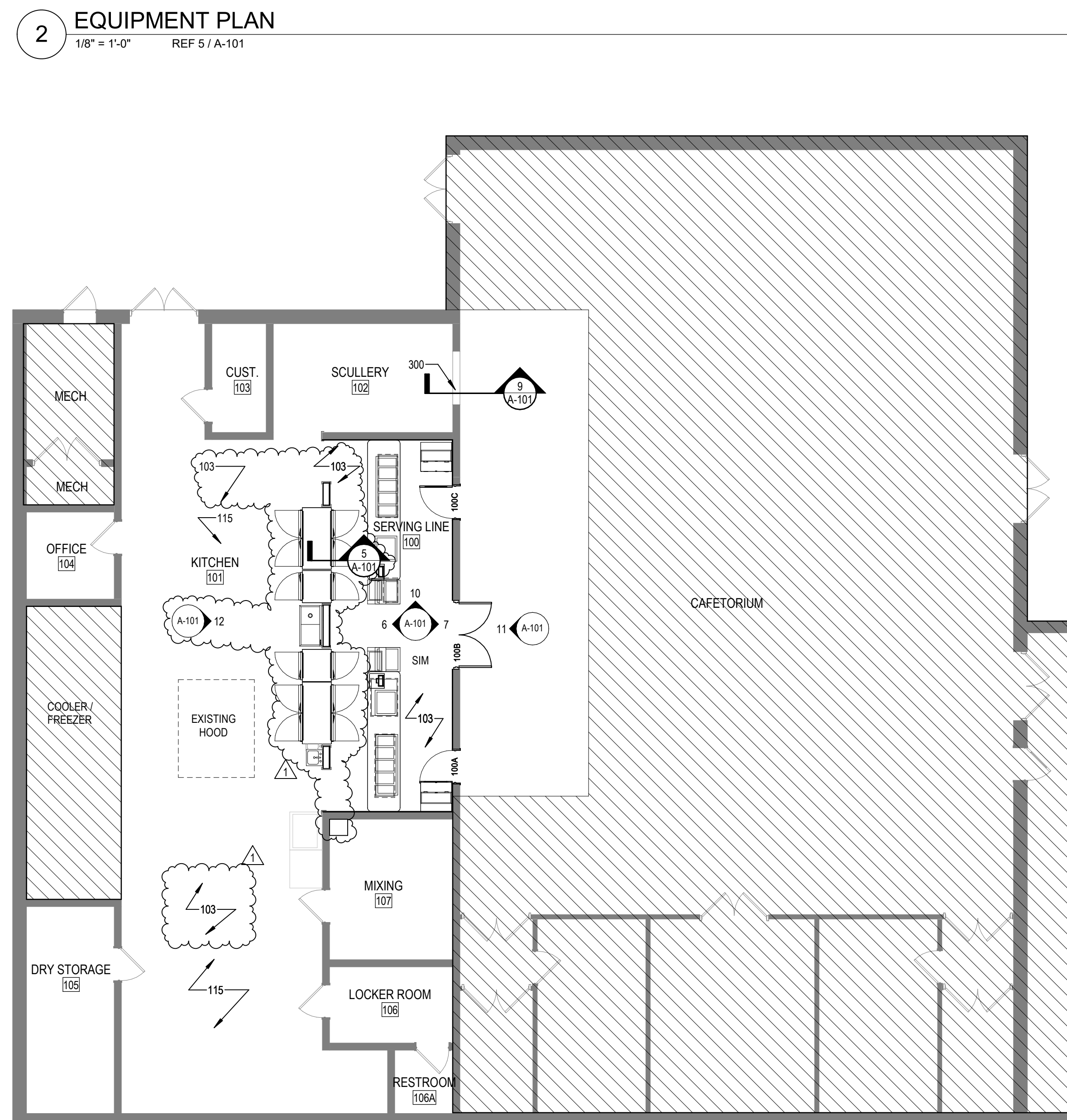
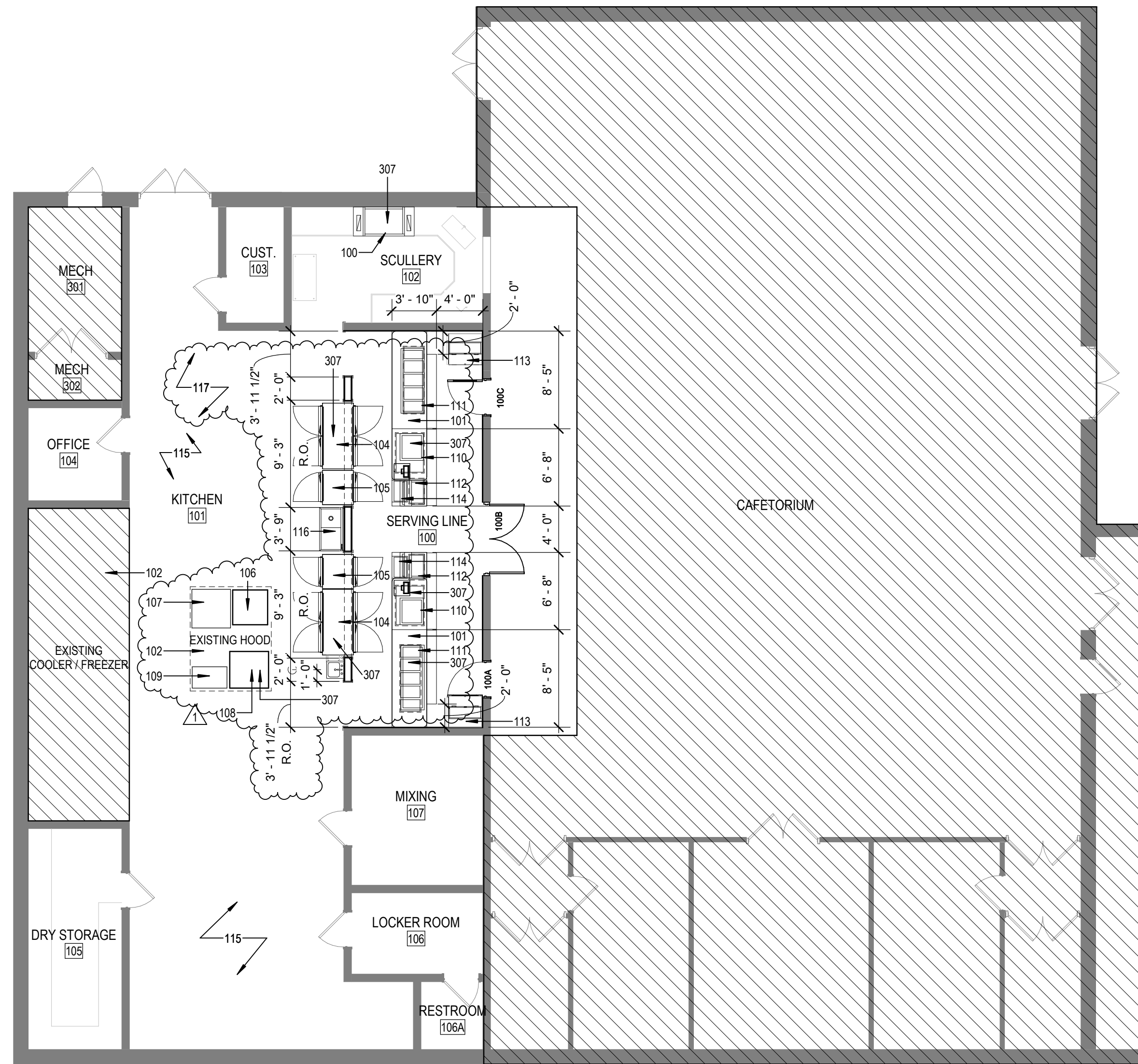
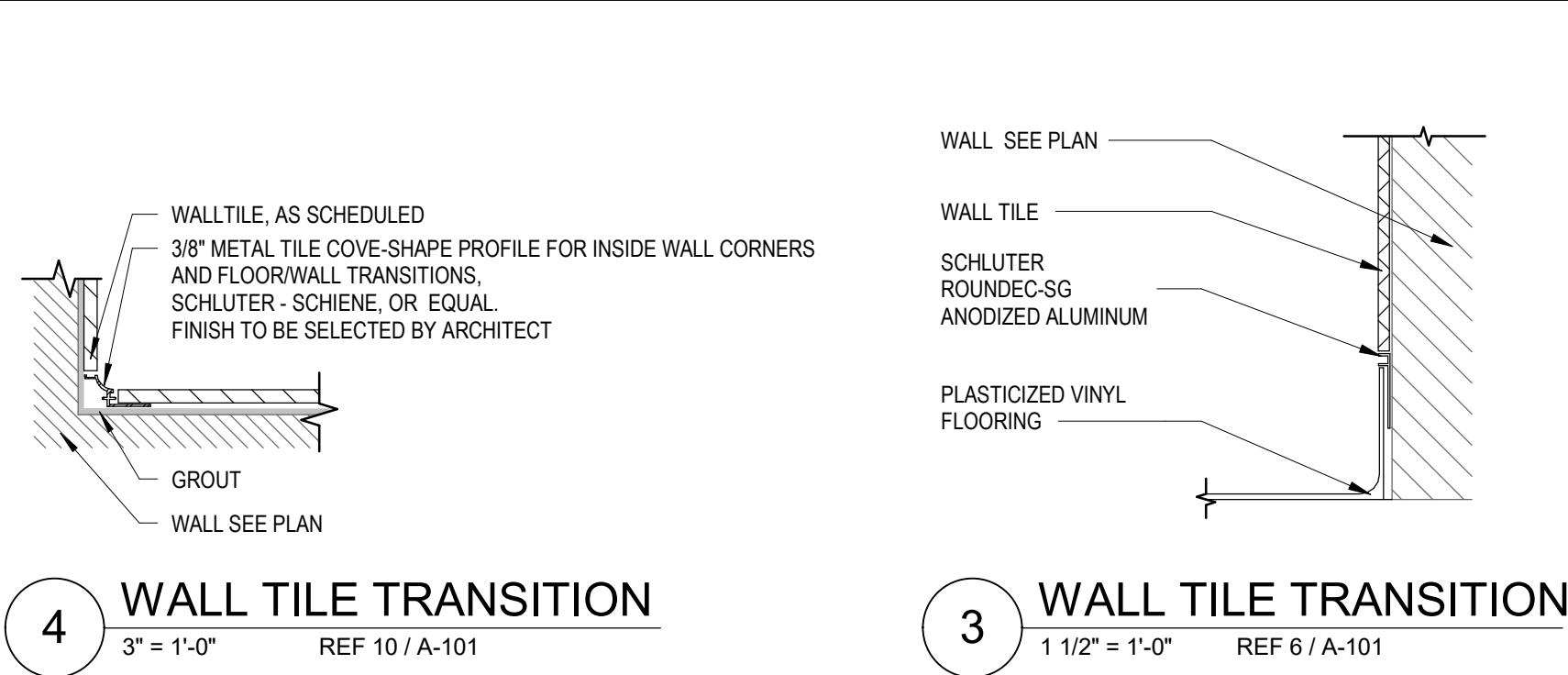
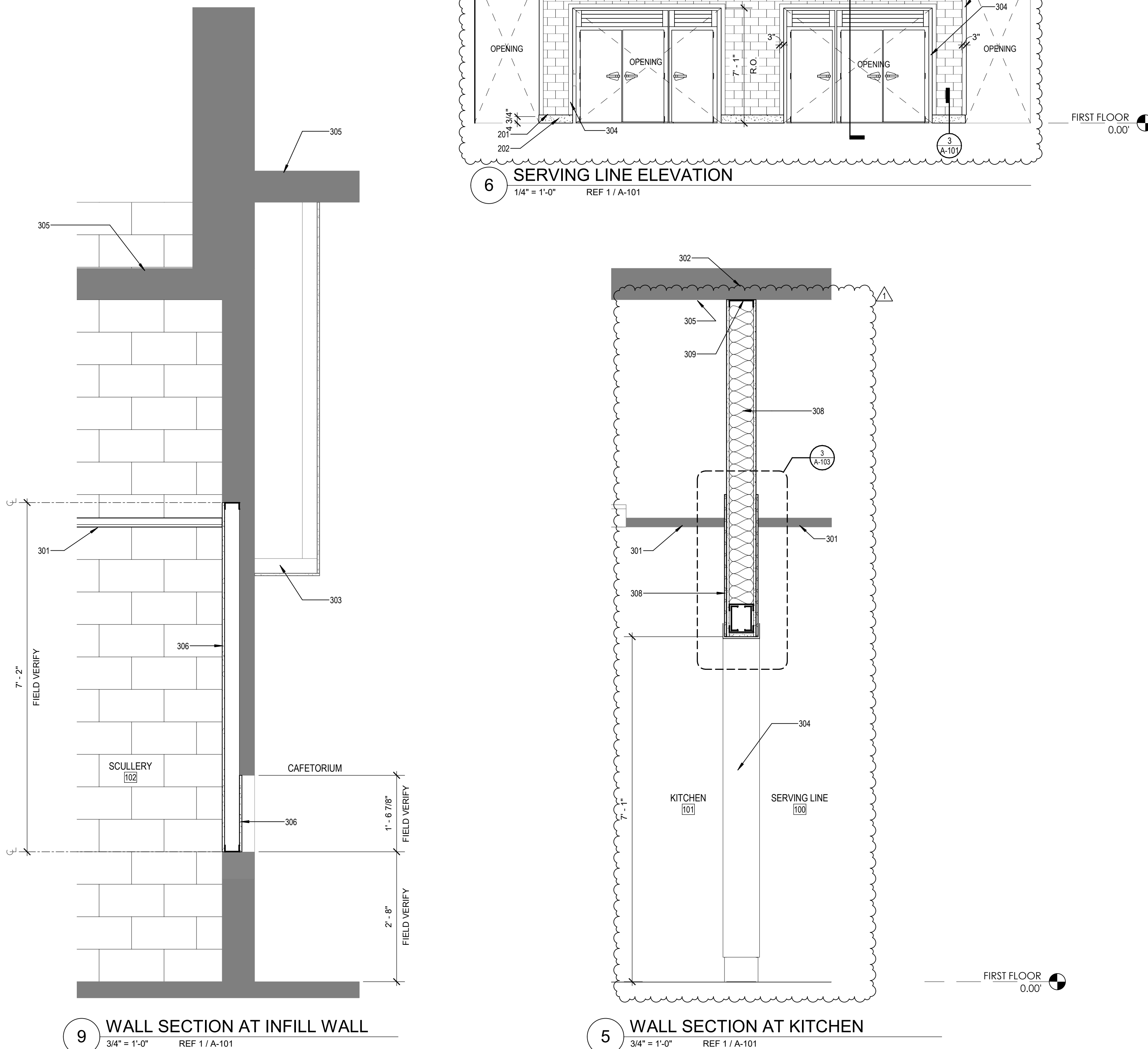
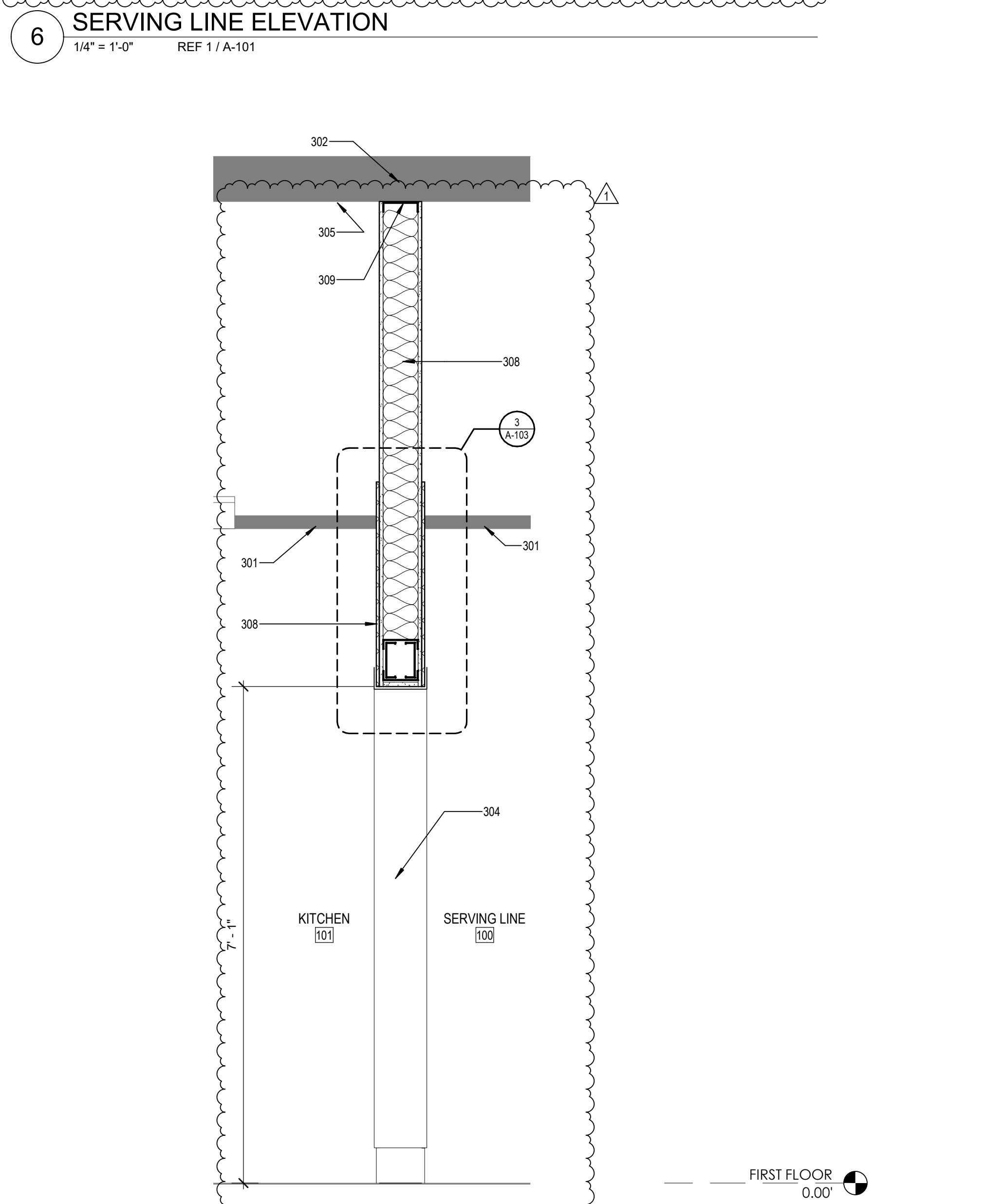
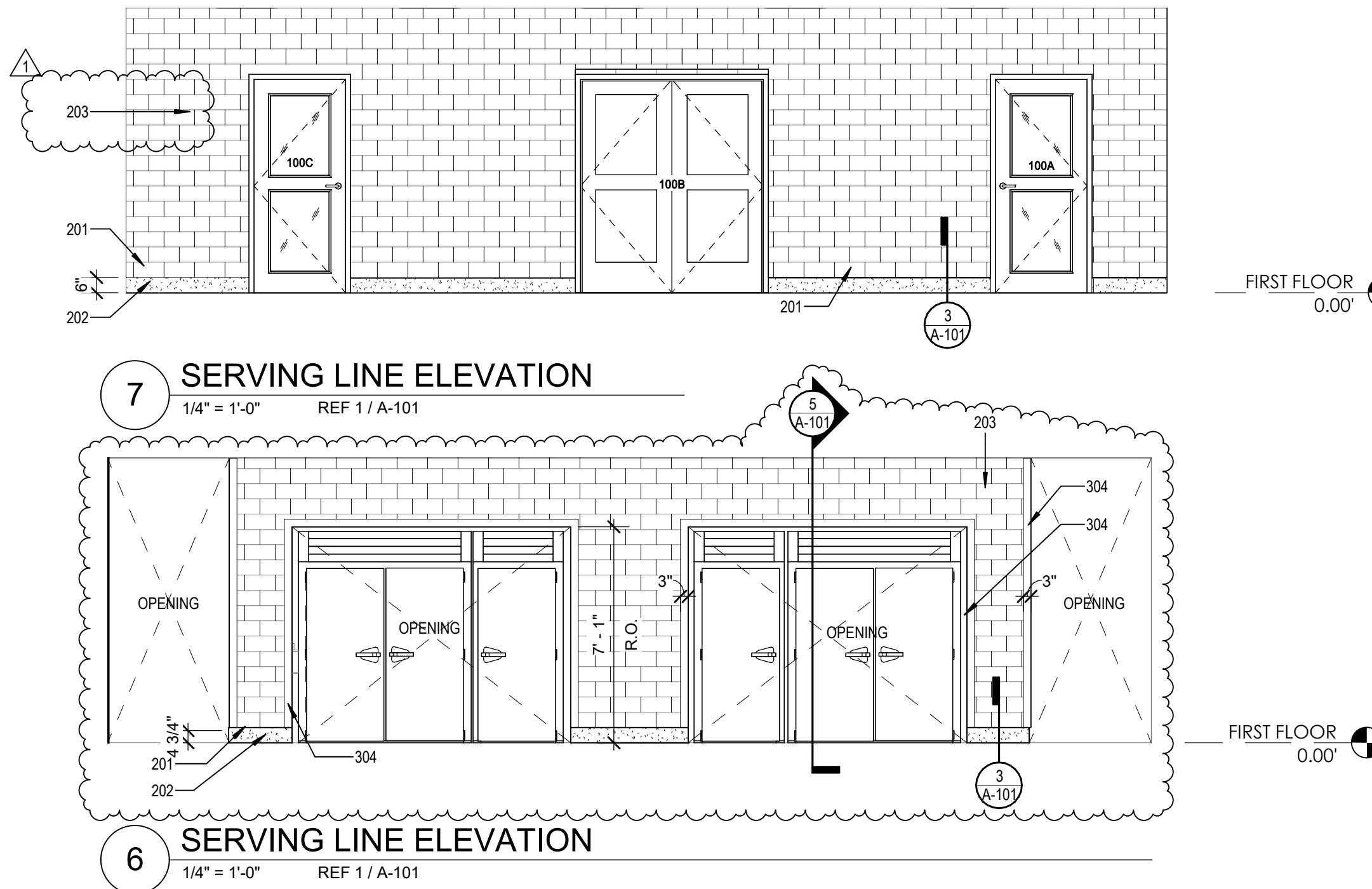
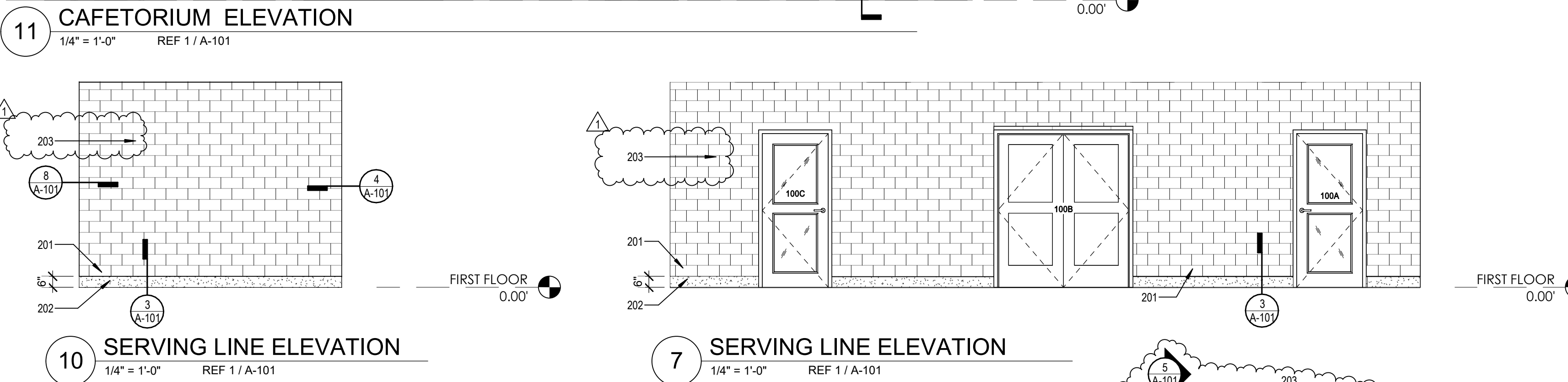
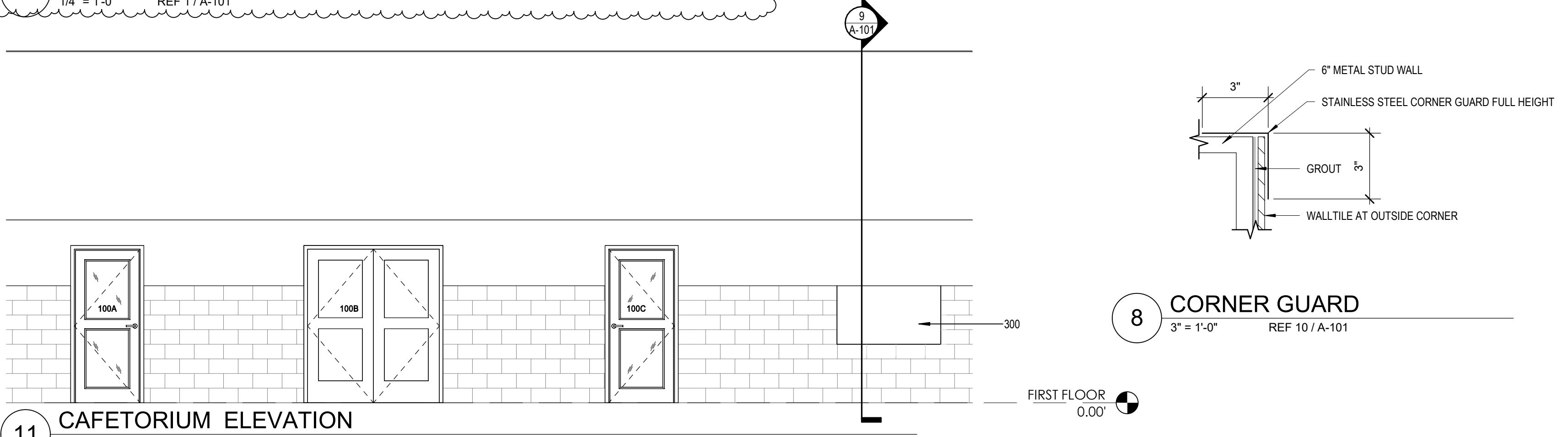
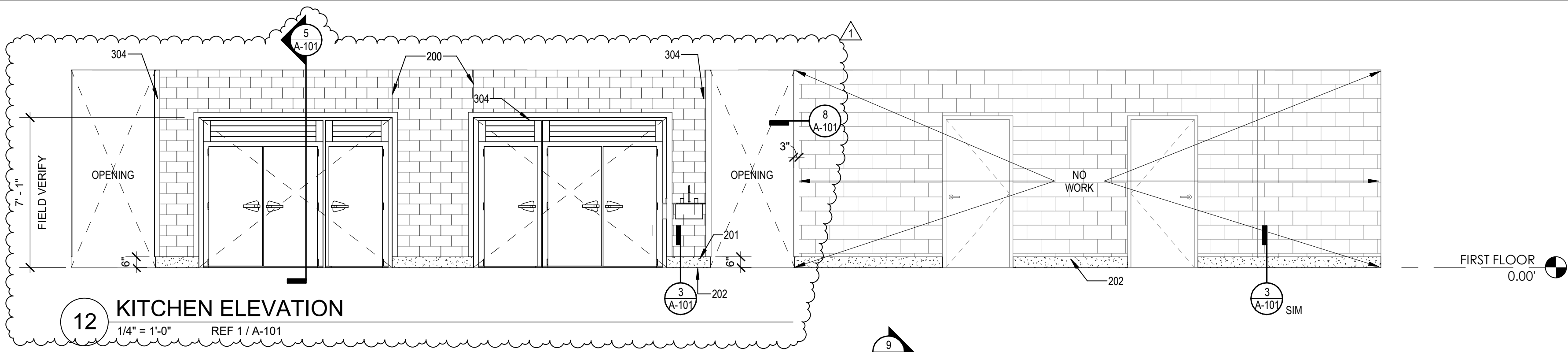
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PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
TITLE SHEET

SHEET NO.
G-001

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- GENERAL SHEET NOTES**
- Keynotes and legends are typical for all floor plan sheets, and may not apply to each sheet.
 - Dimensions are to face of masonry, concrete and [studs OR gypsum board] and centerline of columns unless noted otherwise.
 - Field verify all dimensions prior to fabrication of any cabinetry, frames, structural items, etc.
 - Provide painted access panels in walls and ceilings at concealed items, such as valves, shock absorbers, controls, switches, etc., and any other items that may require access. It is the Contractor's responsibility to determine access panel locations.
 - Seal all penetrations in fire rated assemblies as required by all applicable codes. Permanently label all penetrations and assemblies.
 - Verify and coordinate all requirements for owner furnished items, prior to performance of any work that is to accommodate and interface with such items.
 - All angles are increments of 45 degrees unless noted otherwise.
 - Provide "Try" reveal FDM 625-75 or equal at all gypsum board to masonry or concrete transitions.
 - All frame walls to be Type [S01C OR CHOOSE TYPE] and all furring walls to be [F01E OR CHOOSE TYPE], unless noted otherwise.

- SHEET KEYNOTES**
- DISH WASHER MACHINE HOBART MODEL# CL44N-BAS ELECTRIC. SEE MEP DRAWINGS FOR FURTHER INFORMATION CONTRACTOR PROVIDED & INSTALL
 - FLAT TOP UNIT MODEL# MCT-F7 8'-5" PROVIDE SNEEZE GUARDS AT EXPOSED FOOD WELLS. ITEMS CONTRACTOR PROVIDED & INSTALL
 - CLEAN AND POLISH EXISTING HOOD, FREEZER, AND COOLER EXTERIOR ONLY
 - CLEAN EXISTING FLOORING IN SERVING LINE AND KITCHEN FOR NEW FLOOR INSTALLATION PER MANUFACTURE REQUIREMENTS. SEE FINISH FLOOR SCHEDULE
 - TRAILSEN DOUBLE ROLL-THRU HOT HOLDING CABINETS MODEL# R14M22LP CONTRACTOR PROVIDED & INSTALLED
 - TRAILSEN SINGLE ROLL-THRU REFRIGERATOR COOLER MODEL# BARI32LP/IT CONTRACTOR PROVIDED & INSTALLED
 - COMBI OVEN STACKED MODEL# TCM102E OWNER PROVIDED & CONTRACTOR INSTALLED
 - TILTING SKILLET BRASSING PAN VULCAN MODEL# VE40 CONTRACTOR PROVIDED & INSTALLED
 - DOUBLE DECK ELECTRIC CONVECTION OVENS VULCAN MODEL# VC4E-SERIES CONTRACTOR PROVIDED & INSTALLED
 - CONVECTION STEAMER AND COUNTERTOP MODEL# C20EAS PLUS SERIES AND VULCAN STANDS MODEL# 28XSOL OWNER PROVIDED & CONTRACTOR INSTALLED
 - ALTO-SHAAM 200-HW CAT 112" DEEP RECESS COLD UNIT 18 X 28 PANS. CONTRACTOR PROVIDED & INSTALLED
 - ALTO-SHAAM DRY HOT WELLS MODEL# 500-HWID6. CONTRACTOR PROVIDED & INSTALLED
 - ICE CREAM UNIT IMCT-DWC-2010 WITH CLEAR LIDS. CONTRACTOR PROVIDED & INSTALLED
 - EXISTING TRAILSEN MODEL# RMC3486 MILK COOLER MOVE FOR NEW FLOOR INSTALLATION TO CAFETERIA
 - POSS LOCATION WITH LARGE CASH DRAWER AND MONEY HOLDER TRAY. CONTRACTOR PROVIDED & INSTALLED
 - REMOVE AND CLEAN CAMERAS WHERE NEW CEILING IS BEING INSTALLED AND REINSTALL PER MANUFACTURE REQUIREMENTS TYP
 - ONE STAINLESS STEEL COMPARTMENT SINK WITH DRAIN BOARD ON RIGHT SIDE FOR VEGETABLE WASH. CONTRACTOR PROVIDED & INSTALLED
 - MOVE ALL EXISTING EQUIPMENT TO CAFETERIA FOR NEW FLOOR INSTALLATION (TYP)
 - CONTROL JOINT AT WALL TILE
 - START WALL TILE 6" ABOVE FINISH FLOOR TYP
 - PLASTICIZED VINYL, ALUMINUM OXIDE GRAINS AND SILICON CARBIDE GRAINS WITH A GLASS FIBER REINFORCEMENT BASE (TYP) SEE FINISH SCHEDULE
 - PLACE WIRE CERAMIC WALL TILE OVER EXISTING WALL TILE (TYP) SEE FINISH FLOOR PLAN
 - PAINT GYPSUM BOARD TO MATCH EXISTING CONDITIONS
 - EXISTING CEILING TILE AND GRID
 - WALL BEYOND
 - EXISTING BULKHEAD WALL. PROTECT DURING DEMOLITION AND CONSTRUCTION
 - STAINLESS STEEL CORNER COVER/CASE OPENING
 - EXISTING ROOF DECK
 - 5/8" GYPSUM BOARD ON 3/8" METAL STUD. SEE PARTITION WALL TYPE 2/G-002
 - ANY CHANGES TO KITCHEN EQUIPMENT SHOWN ON DRAWINGS CONTACT ARCHITECT/OWNER TYP
 - CERAMIC WALL TILE ON WATER PROOF GREEN GYPSUM BOARD ON 6" METAL STUD TO DECK. SEE PARTITION WALL TYPE 3/G-002
 - 6" METAL STUD AT DECK SEE DETAIL UG-002 CONDITION 1 AND 2

- FLOOR PLAN LEGEND**
- NO WORK AREA
 - EXISTING WALLS

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REGISTERED ARCHITECT
BRYAN C. WILSON
1956
STATE OF TEXAS
03-03-2023

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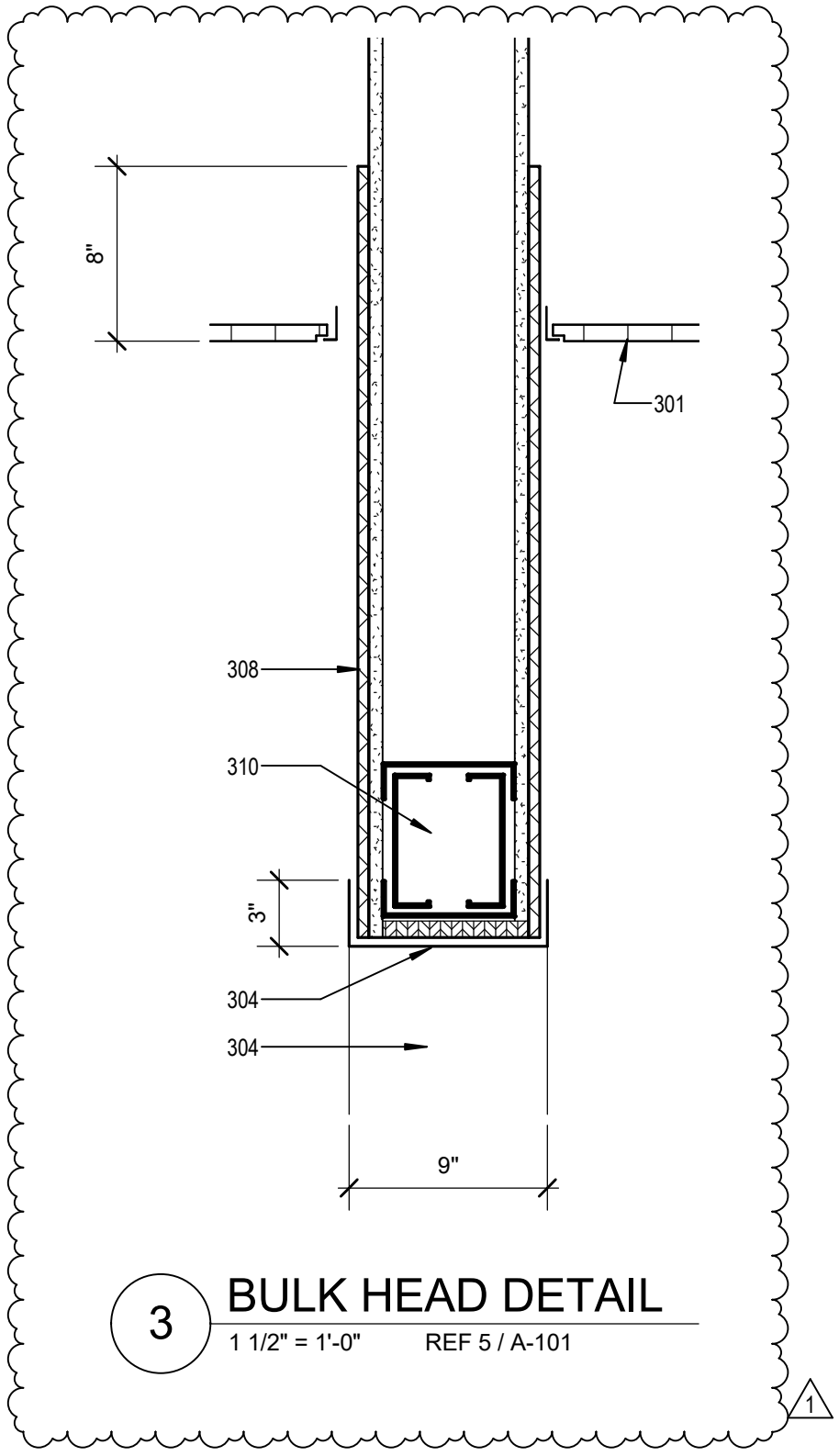
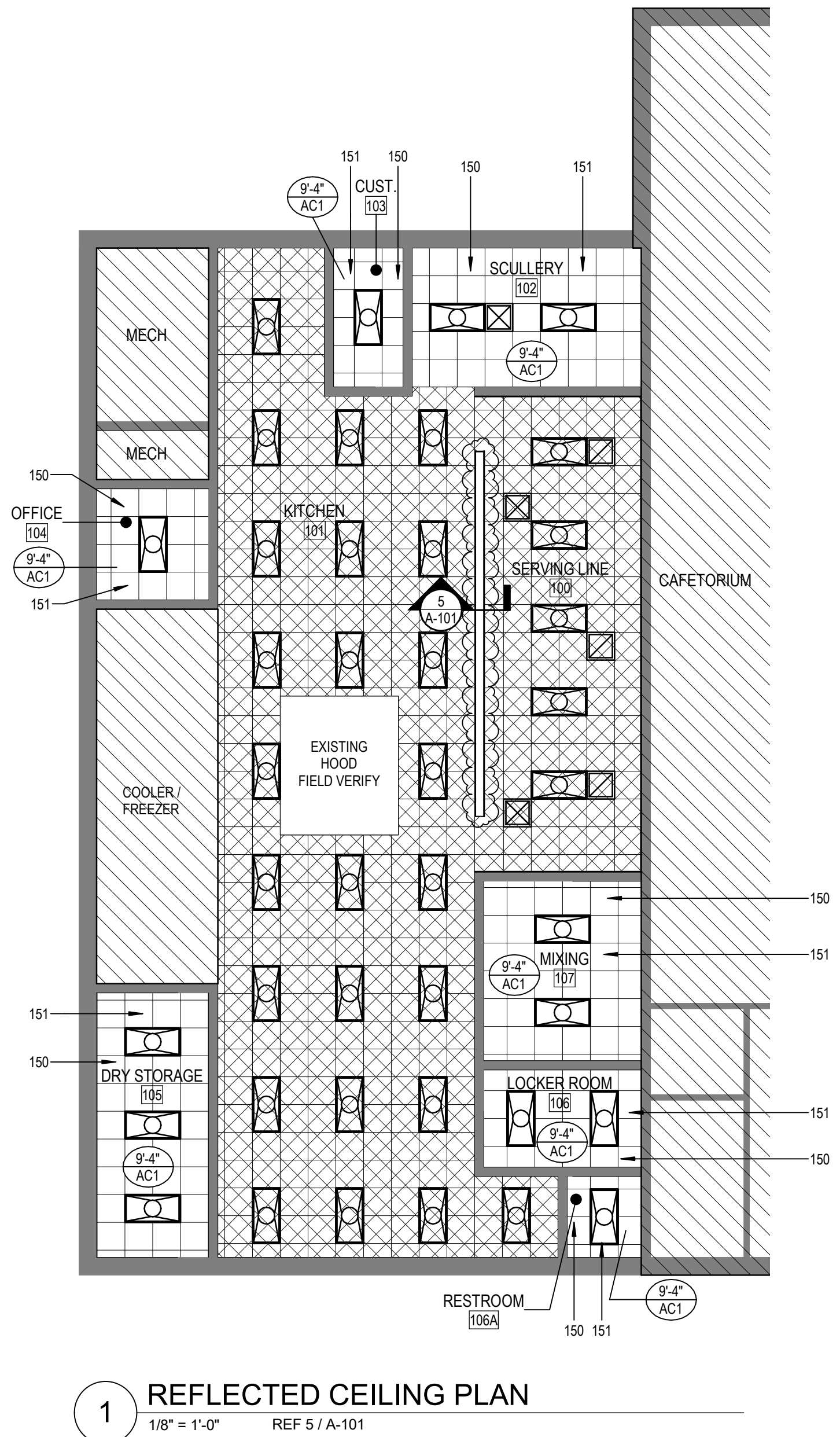
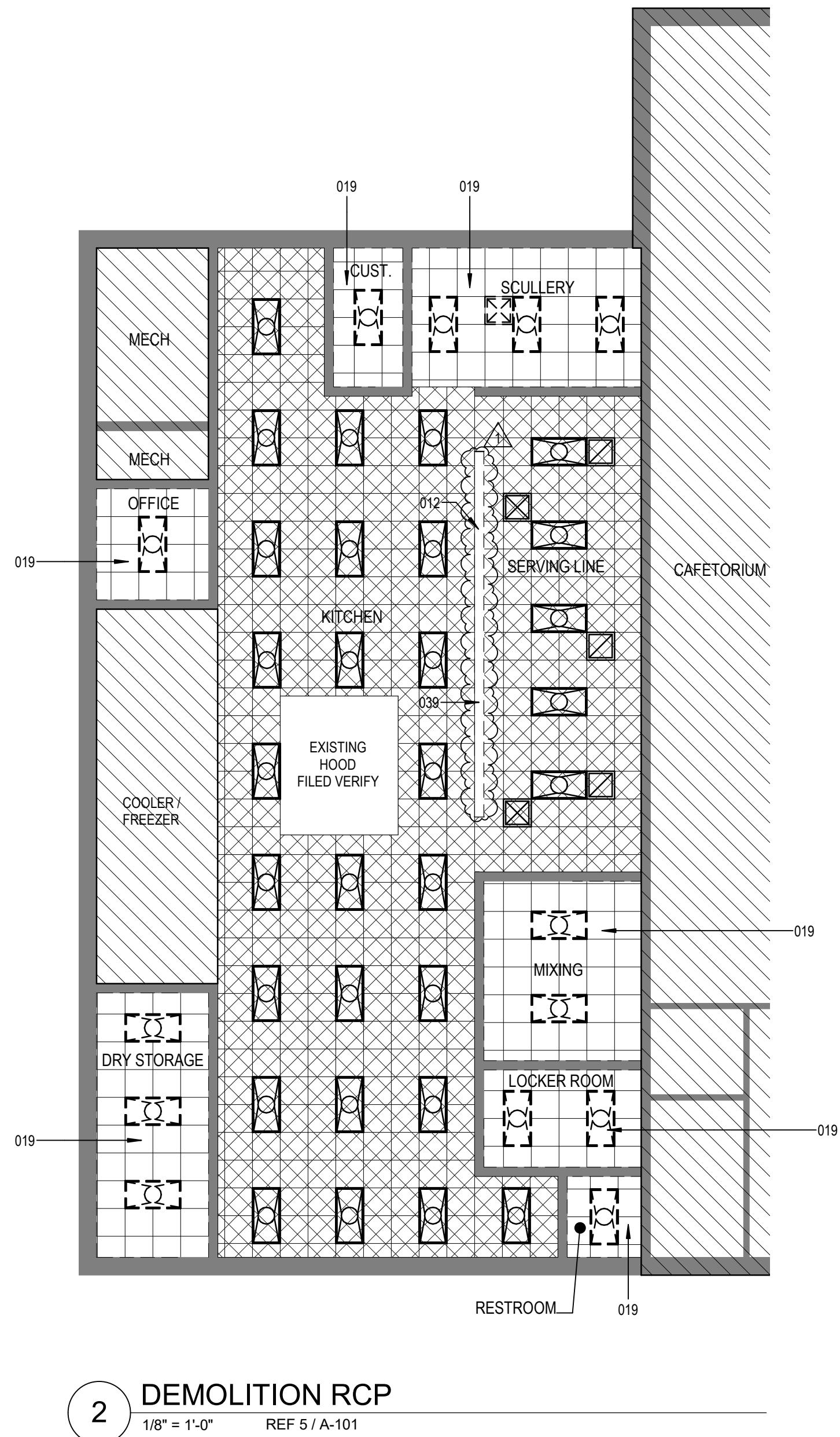
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PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET CONTENTS
FIRST FLOOR PLAN

SHEET NO.

A-101



GENERAL SHEET NOTES

A. Ceilings and other suspended items shall be attached to structure by fully embedded or "shear" connection; pull out connections are not acceptable.

B. All gypsum board ceilings shall be 5/8" type 'X' gypsum board on light gauge framing or suspension system.

C. Ceiling and soffit heights noted on Reflected Ceiling Plans, are above finish floor.

D. Center all devices, sprinkler heads, etc. in ceiling tiles.

E. All soffits over casework to extend 1" beyond the face of casework.

F. Provide continuous sound batt insulation above all toilet room ceilings.

G. Fire sprinkler contractor shall reference all drawings and specifications for determining proper coverage and sprinkler head layout/design.

H. Reveal molding to be used at all intersections of different materials. All soffit reveals shall be a continuation of vertical wall reveals.

I. Refer to electrical drawings for location of reused, relocated, existing or new light locations. Patch all GWB ceilings with new gypsum wall board where damaged or removed for new work. Match existing depth, finish and color of ceiling to be patched.

J. Ceiling heights indicated in existing areas are approximate. Maximize where possible. Where ceiling grids are to extend, match existing height, direction, manufacturer, style, color and type of grid.

SHEET KEYNOTES

012 REMOVE CMU WALL FULL HEIGHT

019 REMOVE CEILING TILE, GRID, AND LIGHT FIXTURE

039 REMOVE CMU BULKHEAD

150 KITCHEN CEILING TILE VINYL COATED / CLEANABLE AND GRID TYP. SEE SPECIFICATIONS

151 REF. ELEC FOR SUPPLY AND RETURN AIR GRILLS TYP.

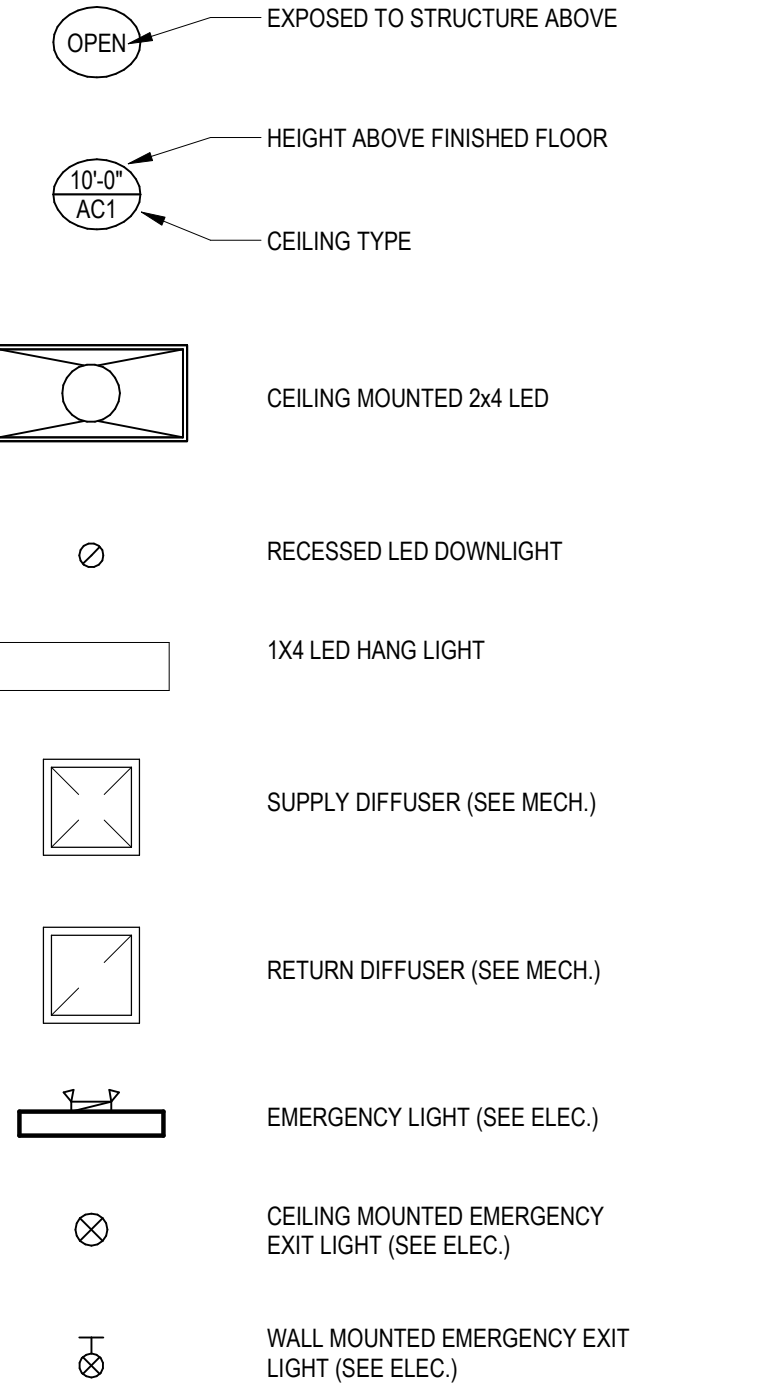
301 EXISTING CEILING TILE AND GRID

304 STAINLESS STEEL CORNER COVER/CASE OPENING

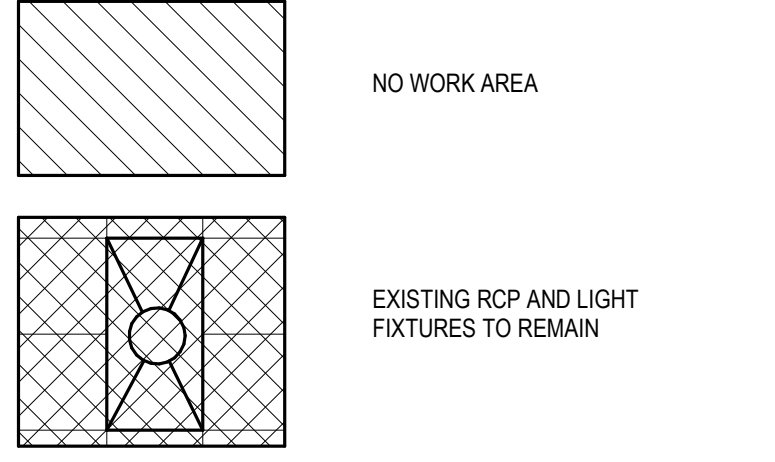
308 CERAMIC WALL TILE ON WATER PROOF GREEN GYPSUM BOARD ON 6" METAL STUD TO DECK. SEE PARTITION WALL TYPE 31G-002

310 6" METAL STUD BOX BEAM

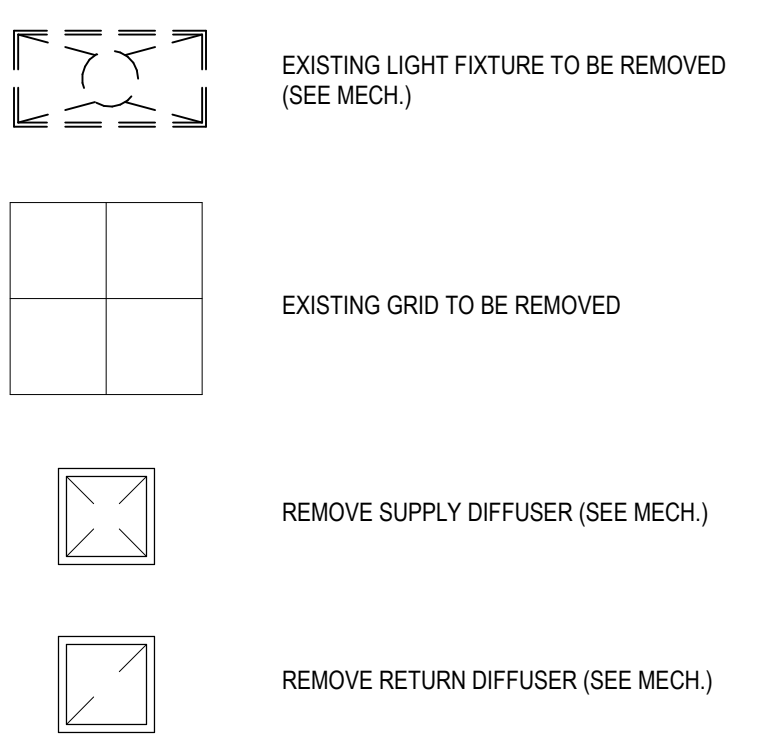
REFL. CEILING LEGEND



RCP LEGEND



DEMOLITION LEGEND



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PROJECT PHASE

CONSTRUCTION DOCUMENTS

SHEET CONTENTS

DOOR SCHED./ELEV.

SHEET NO.

A-601

GENERAL SHEET NOTES

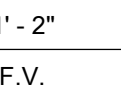
2. Fire Protection Glazing - Glazing in Fire Window assemblies shall be fire protection rated in accordance with the requirements of IBC section 715.
3. Safety Glazing - All glazing at hazardous locations subject to human impact loads shall comply with IBC section 2406.
- C. Refer to Accessible Details for plumbing fixtures and accessories installation.

DOOR PANEL MATERIAL		DOOR GLASS TYPE	
AL	ALUMINUM	FRG	FIRE RATED GLASS
HC	HOLLOW CORE WOOD	LSG	LAMINATED SAFETY GLASS
HM	HOLLOW METAL	MR	MIRROR
SC	SOLID CORE WOOD	PC	POLYCARBONATE
STD	MANUFACTURER'S STANDARD	TG	TEMPERED GLASS
ZO	OTHER, SEE SPECS		
DOOR PANEL FINISH		DOOR ACCESSORIES	
ANODIZED ALUMINUM	AA	AO	AUTOMATIC / LOW ENERGY OPERATOR
PLASTIC LAMINATE	PL	CR	CARD READER CONTROLLER
PAINTED METAL	PM	EH	ELECTRIC HARDWARE LOCKSET
MANUFACTURER'S STANDARD	STD	ES	ELECTRIC STRIKE
WOOD VENEER - PAINTED	VP	HO	MAGNETIC HOLD OPEN
WOOD VENEER - PREFINISHED	WW	KP	KEY PAD CONTROLLER
OTHER, SEE SPECS	ZO	PS	PUSH BUTTON CONTROLLER
		PI	POSITION INDICATOR SWITCH
DOOR FRAME MATERIAL		RATING	
AL	ALUMINUM	20, 45, 60 ASSEMBLY RATING IN MINUTES	
HM	WELDED HOLLOW METAL		
KD	KNOCK DOWN FRAME		
MFR	FRAME BY MANUFACTURER		
WD	WOOD		
		HARDWARE	
		H-# HARDWARE SET NUMBER PER SECTION 087100 #	

DOOR TYPE LEGEND1



DOOR FRAME TYPES1



1 ALUMINUM STOREFRONT THRESHOLD
1 1/2" = 1'-0"



ALUMINUM STOREFRONT JAMB

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GENERAL SHEET NOTES

- A. All flooring materials to meet at center of doorway UNO.
- B. All flooring materials continue under casework to toe kick or under open counter to wall.
- C. Door frames to be painted <MFR>. Color: _____. Finish: Semi-gloss enamel, UNO.
- D. Refer to Reflected Ceiling Plan sheet(s) for soffit ceiling finishes.

WALL TILE COLOR MIXTURE



FINISH PLAN LEGEND

WALLS:

PT1 - WALL PAINT
MANUFACTURER : SHERWIN WILLIAMS (OR EQUAL)
COLOR: SW0000 MATCH EXISTING WALL COLOR
FINISH: MATCH EXISTING FINISH AND TEXTURE

T1 - WALL TILE, FIELD
MANUFACTURER : CROSSVILLE
COLLECTION: RETRO ACTIVE 2.0
COLOR: RET04 EMPRESS WHITE UPS
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

T2 - WALL TILE, FIELD
MANUFACTURER : CROSSVILLE
COLLECTION: RETRO ACTIVE 2.0
COLOR: RET09 PHANTOM UPS
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

T3 - WALL TILE, ACCENT
MANUFACTURER : CROSSVILLE
COLLECTION: RET10 ACTIVE 2.0
COLOR: RET10 UPS
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

T4 - WALL TILE, ACCENT
MANUFACTURER : CROSSVILLE
COLLECTION: RETRO ACTIVE 2.0
COLOR: RET11 GULF BREEZE UPS
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

T5 - WALL TILE, ACCENT
MANUFACTURER : CROSSVILLE
COLLECTION: RETRO ACTIVE 2.0
COLOR: RET13 ROYAL NAVY PO
SIZE: 6" X 12"
GROUT: MAPEI 27 SILVER

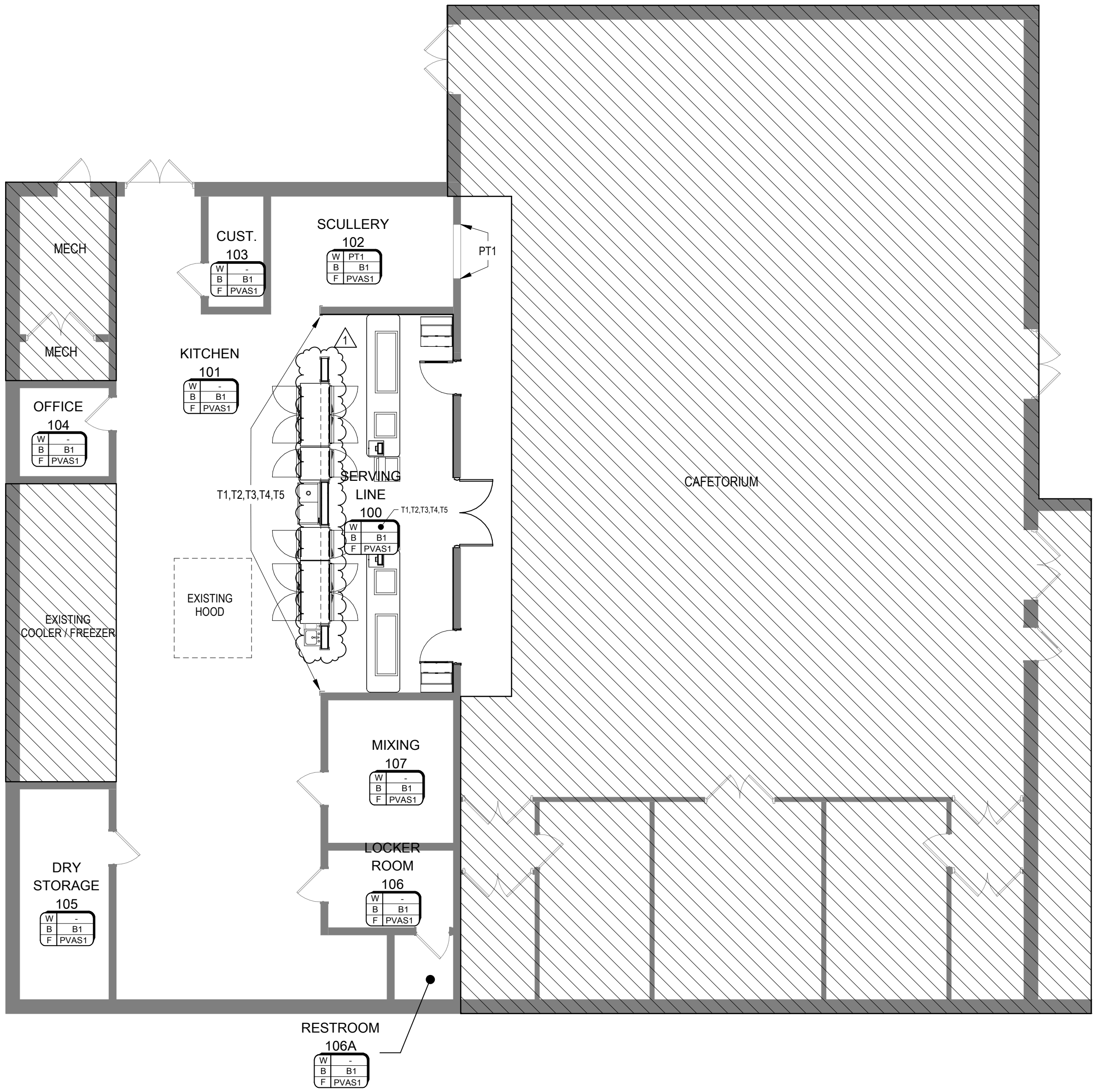
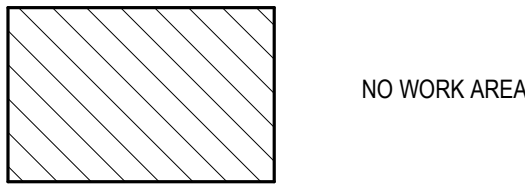
BASE:

B1 - PLASTICIZED VINYL, ALUMINUM OXIDE GRAINS AND SILICON CARBIDE GRAINS WITH A GLASS FIBER REINFORCEMENT
MANUFACTURER: ALTRO
COLLECTION: ALTRO STRONGHOLD 30
COLOR: CANNON-K30911
SIZE: N/A

FLOOR:

PVAS1 - PLASTICIZED VINYL, ALUMINUM OXIDE GRAINS AND SILICON CARBIDE GRAINS WITH A GLASS FIBER REINFORCEMENT
MANUFACTURER: ALTRO
COLLECTION: ALTRO STRONGHOLD 30
COLOR: CANNON-K30911
SIZE: N/A

FLOOR PLAN LEGEND



1 FINISH FLOOR PLAN
1/8" = 1'-0" REF 5 / A-101

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03-03-2023

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T E BAXTER ELEMENTARY SCHOOL

KITCHEN EQUIPMENT REPLACEMENT

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OWP PROJECT NO. DATE OF ISSUE
2022-110-00 03.09.2023

REVISIONS		
DELTA	DESCRIPTION	DATE
1	ADDENDUM	03-09-2023

PROJECT TEAM

DRAWN BY
ED TEXAS EA

PROJECT PHASE

CONSTRUCTION DOCUMENTS

SHEET CONTENTS

FLOOR FINISH PLAN

SHEET NO.

A-701



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KITCHEN EQUIPMENT REPLACEMENT

1050 PARK PLACE BLVD.
MIDLOTHIAN, TX 76065

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SHEET CONTENTS
DOOR HARDWARE
SPECIFICATIONS
SHEET NO.

A- 703

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware

2. Electronic access control system components

B. Section excludes:

1. Windows

2. Cabinets (casework), including locks in cabinets

3. Signage

4. Toilet accessories

5. Overhead doors

C. Related Sections:

1. Division 01 Section "Alternates" for alternates affecting this section.

2. Division 06 Section "Rough Carpentry"

3. Division 06 Section "Finish Carpentry"

4. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.

5. Division 08 Sections:

a. "Metal Doors and Frames"

b. "Flush Wood Doors"

c. "Stile and Rail Wood Doors"

d. "Interior Aluminum Doors and Frames"

e. "Aluminum-Framed Entrances and Storefronts"

f. "Stainless Steel Doors and Frames"

g. "Special Function Doors"

h. "Entrances"

6. Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring

7. Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. ULCC

1. UL 10B - Fire Test of Door Assemblies

2. UL 10C - Positive Pressure Test of Fire Door Assemblies

3. UL 1784 - Air Leakage Tests of Fire Door Assemblies

4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule

2. Recommended Locations for Builders Hardware

3. Keying Systems and Nomenclature

4. Installation Guide for Doors and Hardware

C. NFPA - National Fire Protection Association

1. NFPA 70 - National Electric Code

2. NFPA 80 - 2016 Edition - Standard for Fire Doors and Other Opening Protectives

3. NFPA 101 - Life Safety Code

4. NFPA 105 - Smoke and Draft Control Door Assemblies

5. NFPA 252 - Tests of Fire Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 - 2017 Edition - Accessible and Usable Buildings and Facilities

2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties

3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems

4. ANSI/MDMA 1.5 - 1A - Interior Architectural Wood Flush Doors

5. ANSI/SI A250.8 - Standard Steel Doors and Frames

DOOR HARDWARE

087100-1

03/10/2023

1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.

2. Prior to forwarding submittal:

a. Review drawings and Sections from related trades to verify compatibility with specified hardware.

b. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.

2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:

a. Wiring Diagrams: For power, signal, and control wiring and including:

1) Details of interface of electrified door hardware and building safety and security systems.

2) Schematic diagram of systems that interface with electrified door hardware.

3) Point-to-point wiring.

4) Risers

3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.

a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into work, within limitations of key coordination requirements.

4. Door Hardware Schedule:

a. Submit concurrent with submittations of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.

b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.

c. Indicate complete designations of each item required for each opening, include:

1) Door Index: door number, heading number, and Architect's hardware set number.

2) Quantity, type, style, function, size, and finish of each hardware item.

3) Name and manufacturer of each item.

4) Fasteners and other pertinent information.

5) Location of each hardware set cross-referenced to indications on Drawings.

6) Explanation of all abbreviations, symbols, and codes contained in schedule.

7) Mounting locations for hardware.

8) Door and frame sizes and materials.

9) Degree of door swing and handing.

10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.

5. Key Schedule:

a. After Keying Conference, provide keying schedule that includes level of keying, explanations of key system's function, key symbols used, and door numbers controlled.

b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.

DOOR HARDWARE

087100-2

03/10/2023

c. Provide 3 copies of keying schedule for review preparing and detailed in accordance with referenced DHI publication. Include schematic wiring diagram and index each key to unique door designations.

d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.

e. Provide one complete titling list of key cuts and one key system schematic illustrating system usage and expansion. Forward titling list, key cuts and key system schematic directly to Owner, by means as directed by Owner.

f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

A. Informational Submittals:

1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.

2. Provide Product Data:

a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.

b. Include warranties for specified door hardware.

B. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:

a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.

b. Catalog pages for each product.

c. Final approved hardware schedule edited to reflect conditions as installed.

d. Final keying schedule

e. Copy of warranties including appropriate reference numbers for manufacturers to identify product.

f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

C. Inspection and Testing:

1. Submit written reports to Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:

a. Fire door assemblies, in compliance with NFPA 80.

b. Required egress door assemblies, in compliance with NFPA 101.

1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.

2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.

3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:

a. For door hardware: DHI certified AHC or DHC.

b. Can provide installation and technical data to Architect and other related subcontractors.

c. Can inspect and verify components are in working order upon completion of installation.

d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.

DOOR HARDWARE

087100-3

03/10/2023