



**ORCHARD VIEW SCHOOL DISTRICT**  
**EARLY ELEMENTARY KITCHEN AND**  
**SERVING RENOVATIONS**  
2820 MACARTHUR RD  
MUSKEGON, MI 49442



2/15/2023

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**DRAWING INDEX**

00 - GENERAL	
G000	COVER SHEET
G001	CODE COMPLIANCE & LIFE SAFETY PLANS
03 - STRUCTURAL	
S001	STRUCTURAL GENERAL NOTES
S101	STRUCTURAL DETAILS
04 - ARCHITECTURAL	
A001	GENERAL NOTES AND LEGENDS
A002	GENERAL REQUIREMENTS
AD101	FIRST FLOOR AND CEILING DEMOLITION PLANS
A101	FIRST FLOOR AND CEILING PLANS
A141	FIRST FLOOR FINISH PLAN
A421	INTERIOR ELEVATIONS AND DETAILS
06 - PLUMBING	
P001	GENERAL PLUMBING INFORMATION
P101	PLUMBING PLANS
08 - ELECTRICAL	
E001	LEGEND
E002	SPECIFICATIONS
ED101	FIRST FLOOR PLAN - ELECTRICAL DEMOLITION
E101	FIRST FLOOR PLAN - POWER
E201	FIRST FLOOR PLAN - LIGHTING
E801	SCHEDULES
11 - FOOD SERVICE (REFERENCE ONLY)	
FSE-1	FOOD SERVICE EQUIPMENT FLOOR PLAN
FSE-2	FOOD SERVICE ELECTRICAL FLOOR PLAN
FSE-3	FOOD SERVICE PLUMBING FLOOR PLAN
FSE-4	FOOD SERVICE REFRIGERATION FLOOR PLAN

DATE	DESCRIPTION
1/24/2023	OWNER REVIEW
1/31/2023	BIDS
2/7/2023	PERMITS
2/15/2023	ADDENDUM #1

**PROJECT LOCATION MAP**



2/13/2023 9:52:52 AM

DRAWING NUMBER

**G000**

**DEMO RCP KEYNOTES #**

- C1 REMOVE EXISTING CEILING AND LIGHTING. PREPARE FOR NEW CEILING.
- C2 APPROXIMATE LOCATION OF NEW SUPPLY WATER PIPING PER PLUMBING DRAWINGS. TEMPORARILY REMOVE AND SALVAGE CEILING AND REINSTALL UPON COMPLETION OF WORK. COORDINATE EXACT EXTENT WITH PLUMBING.
- C3 EXISTING CEILING TO REMAIN. SEE ELECTRICAL DRAWINGS FOR LIGHT RELOCATION. REMOVE, SALVAGE, AND RE-WORK CEILING AS REQUIRED BY LIGHTING.
- C4 EXISTING CEILINGS
- C5 REMOVE EXISTING SPEAKER. PROTECT FROM DAMAGE AND SAVE FOR REINSTALLATION.

**DEMO PLAN KEYNOTES #**

- D1 SAWCUT AND REMOVE ENTIRE EXISTING CONCRETE SLAB IN THIS AREA. PREPARE AS REQUIRED FOR NEW STRIP FOOTING AND SLAB PER STRUCTURAL DRAWINGS.
- D2 SAWCUT AND REMOVE EXISTING FLOORING AND CONCRETE SLAB AS REQUIRED FOR NEW SANITARY LINES. NOTE THAT THE BALANCE OF THE EXISTING QUARRY TILE FLOOR IS TO REMAIN. PROTECT AS REQUIRED AND ALL SAW-CUTS TO BE MADE ON TILE JOINTS. COORDINATE EXACT EXTENT WITH PUMBING DRAWINGS. PATCH AND REPAIR FLOOR TO RECEIVE NEW TILE.
- D3 REMOVE EXISTING DOOR, FRAME, AND HARDWARE. REMOVE MASONRY AT JAMB TO ALLOW FOR TOOTHED IN MASONRY. PREPARE FOR INFILL TO MATCH EXISTING.
- D4 REMOVE EXISTING WOOD TRIM.
- D5 REMOVE EXISTING LINOLEUM FLOOR AND EXISTING WOOD GYM FLOOR ON SLEEPERS. BALANCE OF FLOOR TO REMAIN AS INDICATED. PROVIDE A CLEAN, STRAIGHT SAWCUT LINE AND PROTECT EXISTING AS REQUIRED.
- D6 DISCONNECT, REMOVE AND SALVAGE EXISTING COOLER FOR RELOCATION INTO NEW WORK. COORDINATE UTILITY REMOVAL WITH M.E.P.
- D7 DISCONNECT AND REMOVE EXISTING BOLTED PIPE BOLLARDS.
- D8 REMOVE EXISTING BASE ALONG EXISTING WALL AS REQUIRED FOR NEW WALL CONSTRUCTION.
- D9 TEMPORARILY REMOVE AND REINSTALL SHELVING IN THIS ROOM AS REQUIRED FOR NEW CONSTRUCTION.
- D10 REMOVE EXISTING WALL BASE AT EXTENT OF FLOORING REMOVAL. BALANCE OF BASE TO REMAIN.
- D11 DISCONNECT AND REMOVE EXISTING CONDENSING UNIT ASSOCIATED WITH WALK-IN FREEZER AND SALVAGE FOR RELOCATION. DISCONNECT AND REMOVE CONDENSATE LINES AND ELECTRICAL CONNECTIONS.

**GENERAL NOTES**

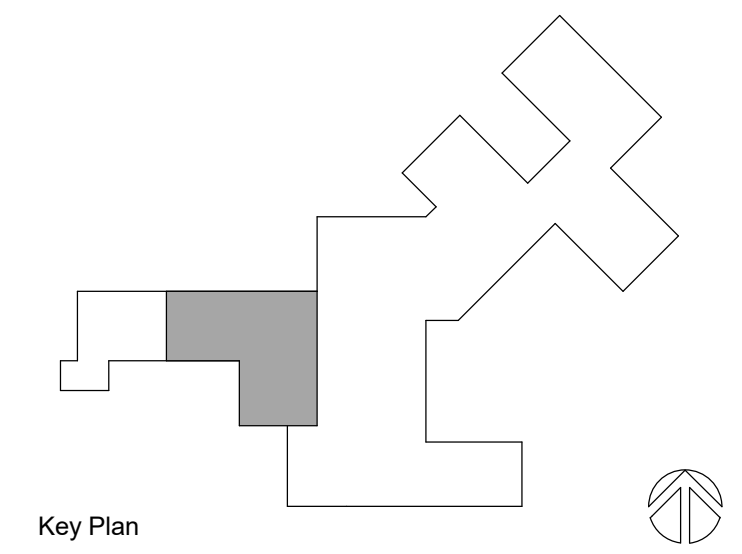
- A. CONTRACTOR SHALL COORDINATE REMOVAL OF FLOORS, WALLS AND CEILINGS WITH MECHANICAL, ELECTRICAL AND PLUMBING TRADES. ALL POWER, MECHANICAL AND PLUMBING LINES SHALL BE REMOVED BACK TO NEAREST MAIN BRANCH LINE OR PANEL.
- B. CONTRACTOR SHALL PROTECT EXISTING CONSTRUCTION AND EQUIPMENT NOTED TO REMAIN FROM DAMAGE RESULTING FROM DEMOLITION ACTIVITIES. ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM DEMOLITION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- C. CONTRACTOR SHALL PROTECT ADJACENT SURFACES IN PREPARATION OF SAW CUTTING REQUIRED FOR DEMOLITION ACTIVITIES.

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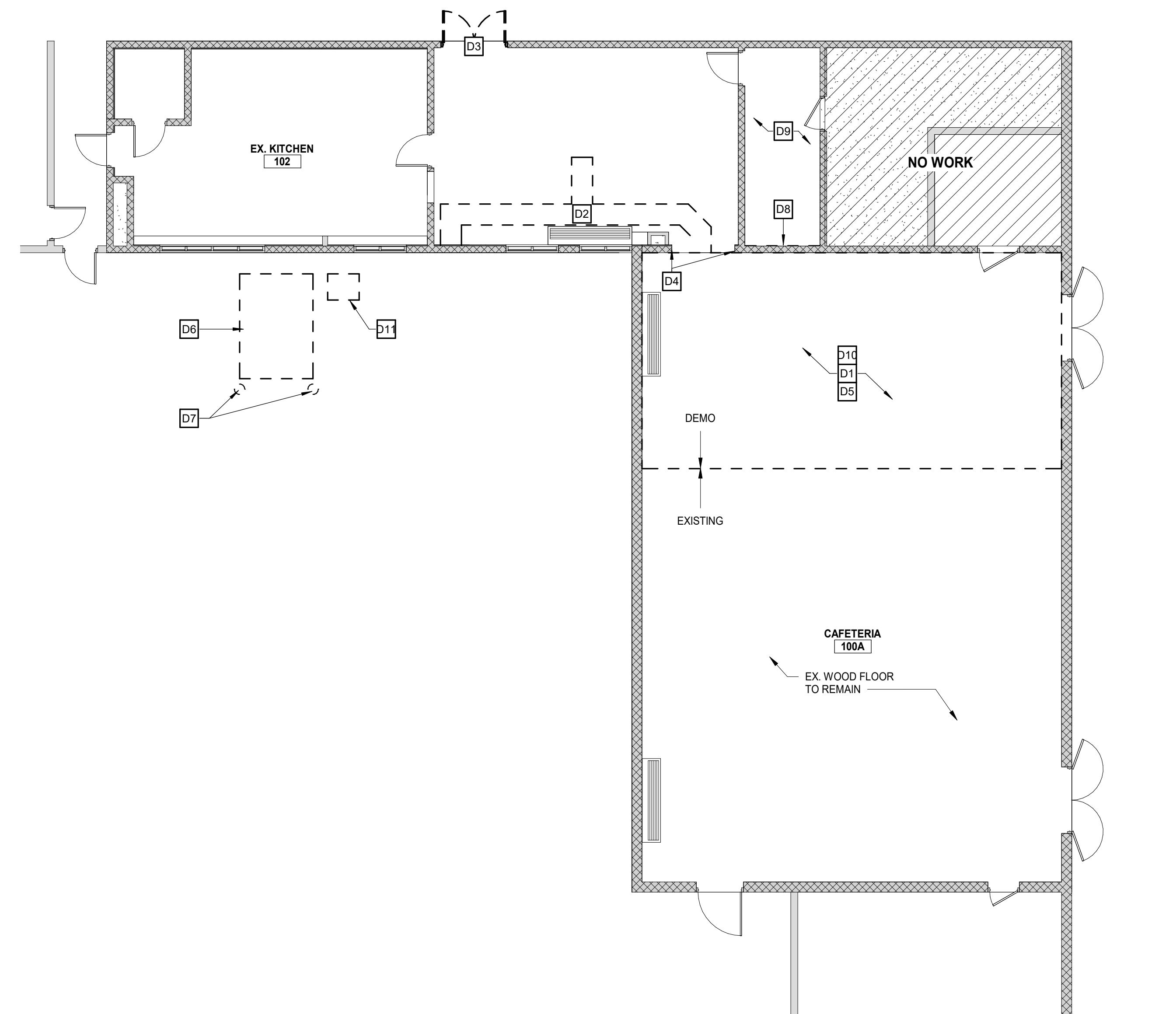
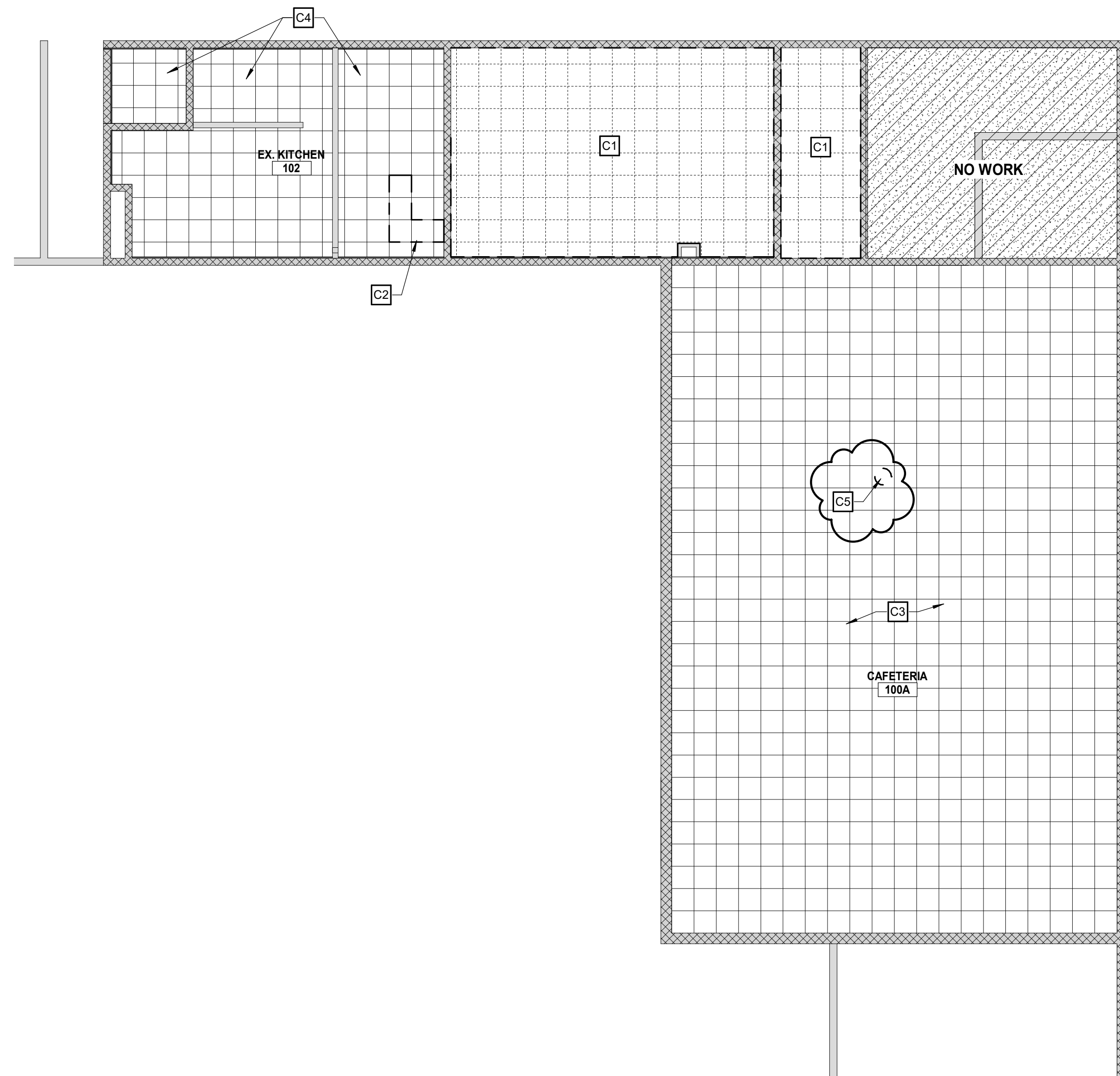
Project Manager	Discipline Lead
D HOLTROP	B HUYLER
Designer	Reviewer
E POST	R KEUNEKE
Date Issued	Project Number
2/15/2023	22013309A

Sheet Name

**FIRST FLOOR AND CEILING DEMOLITION PLANS**

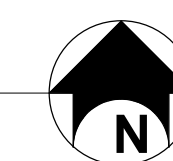
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**AD101**



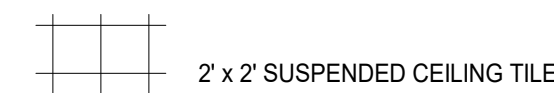
**2** FIRST FLOOR DEMOLITION RCP  
SCALE: 1/8" = 1'-0"

**1** FIRST FLOOR DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"

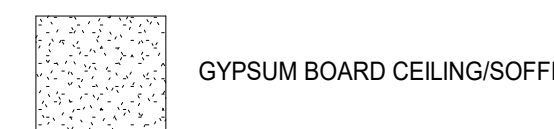


### CEILING LEGEND

NOTE: SEE OTHER DISCIPLINE DRAWINGS (E.G. MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS) FOR ASSOCIATED SYSTEMS AND INFORMATION ABOUT SYMBOLS NOT INDICATED IN THIS LEGEND.



2' x 2' SUSPENDED CEILING TILE

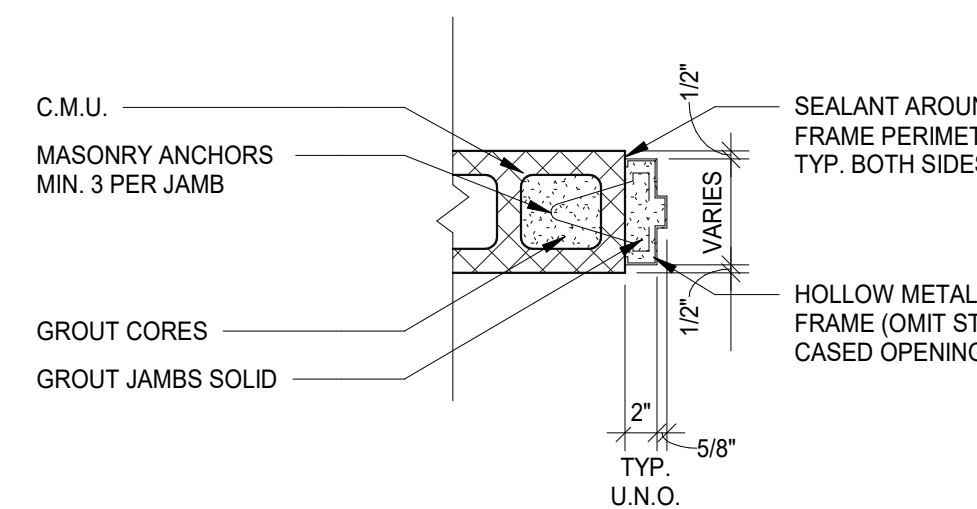


GYPSUM BOARD CEILING/SOFFIT



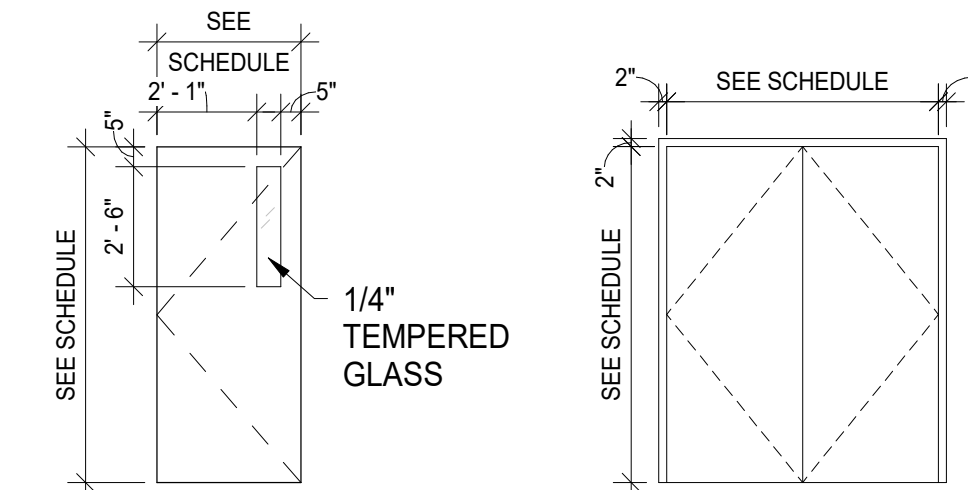
OPEN TO DECK

DOOR #	DOOR					FRAME			GENERAL			REMARKS	DOOR #
	WIDTH	HEIGHT	THK.	TYPE	MAT-FIN	TYPE	MAT-FIN	DETAIL	HWDR	RATING			
101	5' - 6"	7' - 0"	1 3/4"	NG	WD - ST	1	HM - PT	A	01			VERIFY OPENING IN FIELD	101



NOTE: PROVIDE 4" FRAME @ HEAD OF CMU OPENINGS AS NOTED ON DOOR FRAME ELEVATIONS

JAMB DETAILS (HEAD DETAIL SIM.)



DOOR - TYPES

DOOR - FRAME TYPES

### GENERAL NOTES

- A. REFER TO A140 SERIES DRAWINGS FOR BASIS OF DESIGN, FINISH PLANS, SCHEDULES, AND DETAILS.
- B. REFER TO FSE SERIES DRAWINGS FOR FOOD SERVICE EQUIPMENT PLANS AND SCHEDULES.

### DOORS & HARDWARE NOTES

- A. HOLLOW METAL FRAME: HEAVY-DUTY ANSISDI A250.8, LEVEL 2, ANSISDI A250.4, LEVEL B, FULL PROFILE WELDED, ACCEPTABLE MANUFACTURERS - CECO DOOR, CURRIES COMPANY, REPUBLIC DOORS AND FRAMES, AND STEELCRAFT.
- B. FLUSH WOOD DOORS: SOLID-CORE FIVE-PLY FLUSH WOOD VENEER-FACED DOORS FOR TRANSPARENT FINISH, PERFORMANCE GRADE - ANSIIWMA I.S. EXTRA HEAVY DUTY, FACES - PLAIN SLICED RED OAK, CENTER-BALANCE MATCH, FINISH - FACTORY FINISH STAIN TO MATCH EXISTING DOORS, ACCEPTABLE MANUFACTURERS - EGGERS INDUSTRIES, OSHKOSH DOOR COMPANY, AND VT INDUSTRIES.
- C. HARDWARE
  - a. MORTISE LOCKS - SCHLAGE L9000, NO SUBSTITUTE.
  - b. CYLINDERS - CORBIN-RUSSWIN, NO SUBSTITUTE.
  - c. ALL CYLINDERS/CORES AND KEYING SHALL BE PURCHASED THROUGH ARCHITECTURAL HARDWARE COMPANY, MUSKEGON, MI AND INCLUDED IN BASE BID.
  - d. KEYING - MASTER KEYING SYSTEM AS DIRECTED BY OWNER.
  - e. KEYS - IDENTIFICATION AS DIRECTED BY OWNER.
- D. HARDWARE SET 01
  - a. (6) HINGES - 5B81HW 4.5 X 4.5 - FINISH 652 - MFR IVE
  - b. (1) CONST LATCHING BOLT - FB51P - FINISH 630 - MFR IVE
  - c. (1) DUST PROOF STRIKE - DP2 - FINISH 626 - MFR IVE
  - d. (1) CLASSROOM LOCK - LB070L 17A - FINISH 626 - MFR SCH
  - e. (1) MORTISE CYLINDER - KEYED TO EXISTING SYSTEM - COORDINATE W/OWNER - FINISH 626 - MRF C-R
  - f. (1) OH STOP & HOLDER - 100HP - FINISH 630 - MRF GLY
  - g. (1) SURFACE CLOSER - 4040XP RW/PA PULL SIDE - FINISH 689 - MFR LCN
  - h. (2) KICKPLATE - 8400 10" X 1" LDW B-CS - FINISH 630 - MFR IVE
  - i. (1) WALL STOPHOLDER - WS40 - FINISH 626 - MFR IVE
  - j. (2) SILENCER - SR65 - FINISH GRY - MFR IVE



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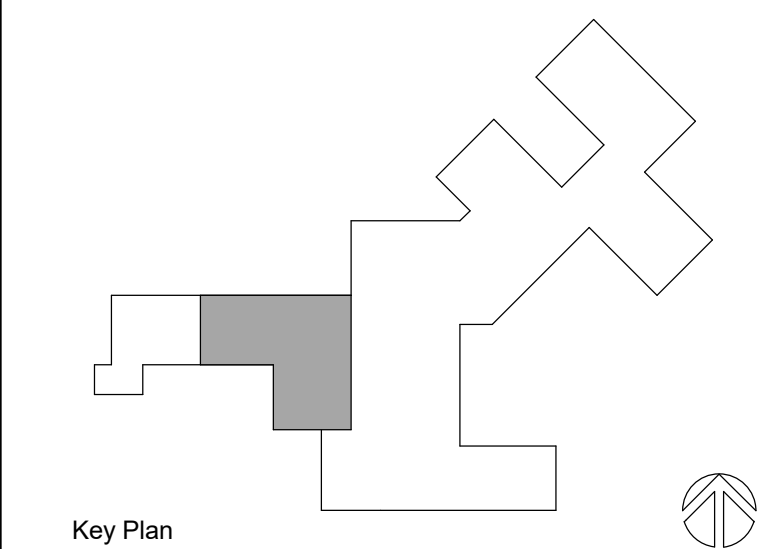
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Key Plan

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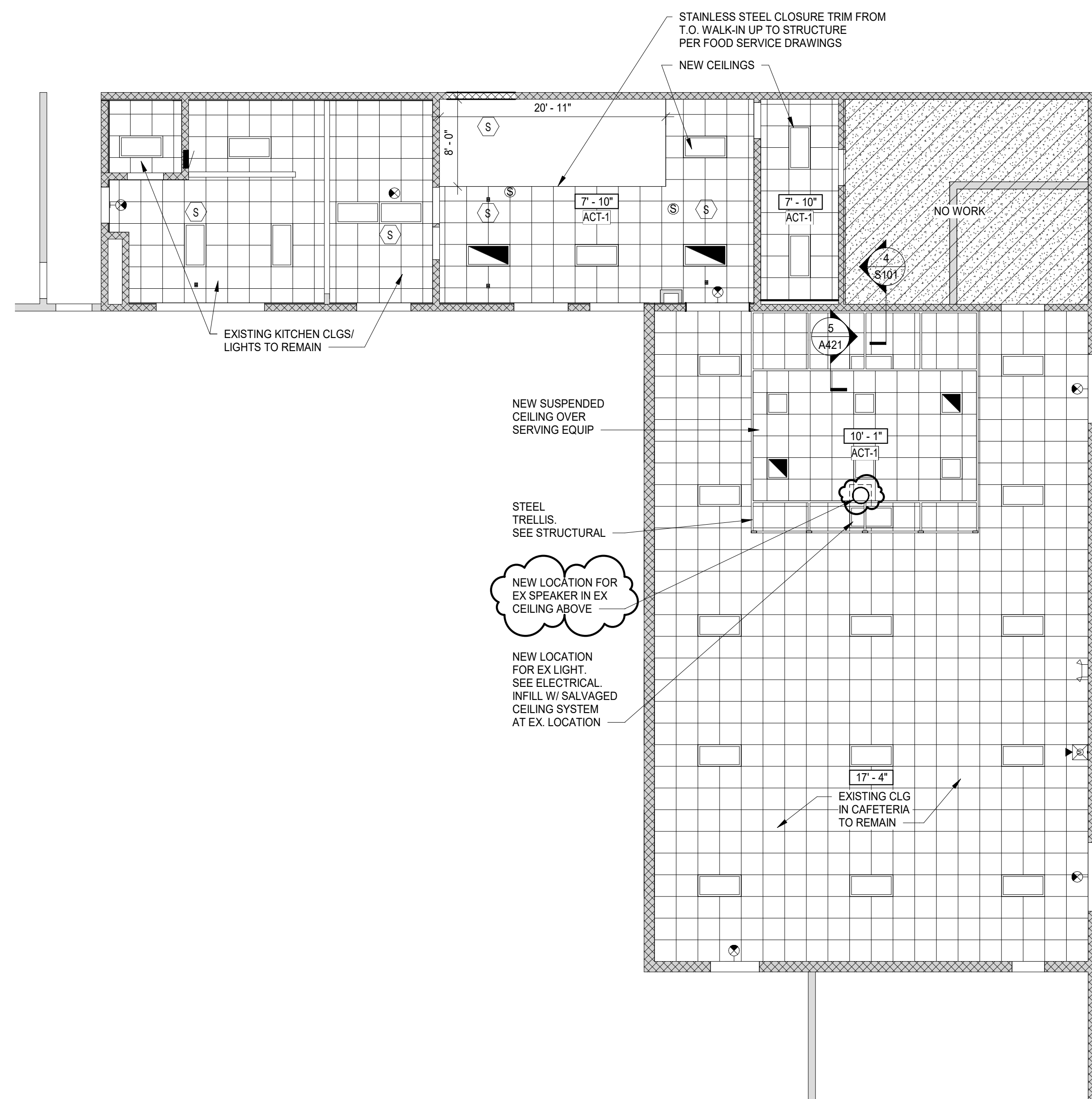
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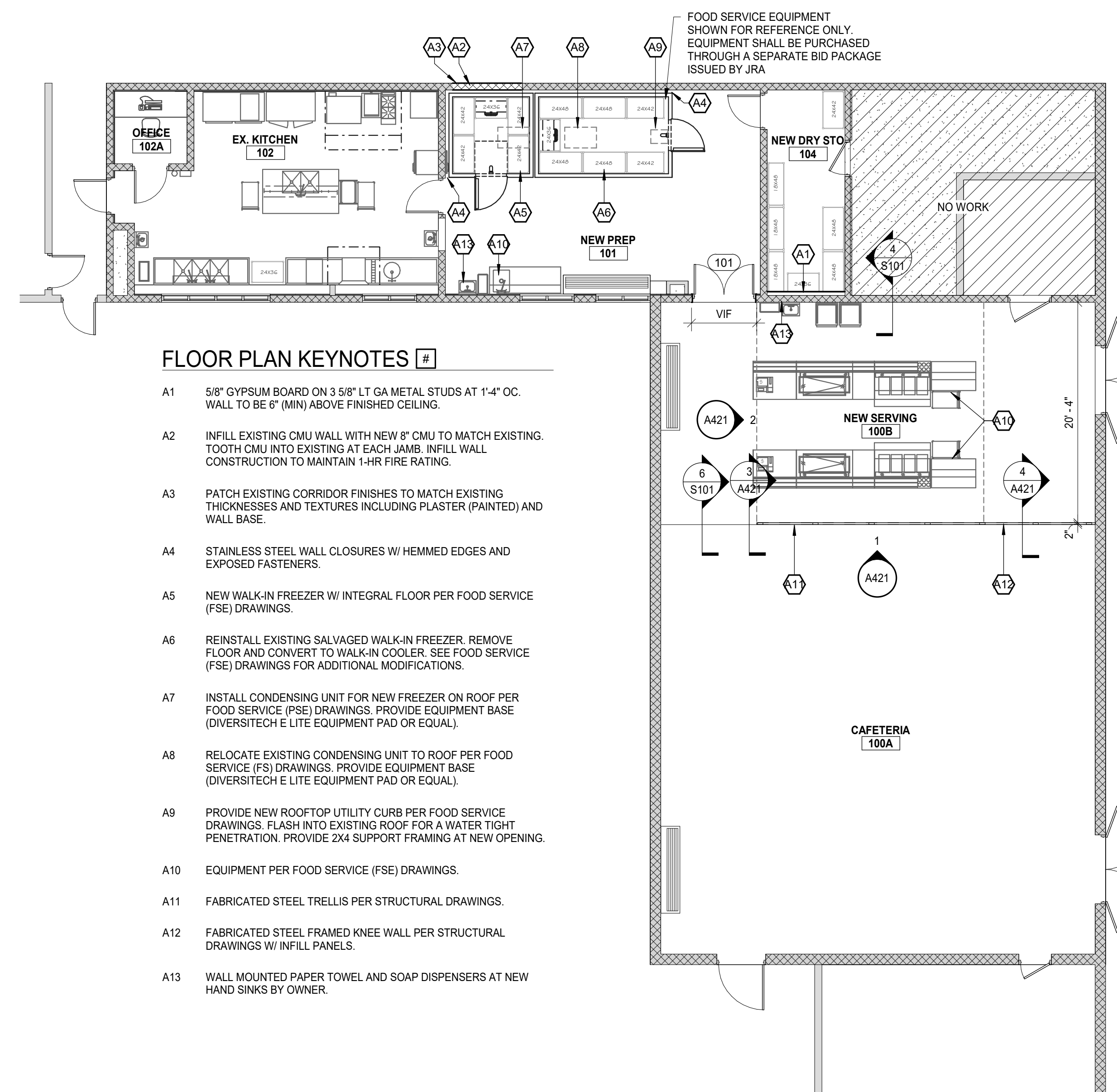
## FIRST FLOOR AND CEILING PLANS

Drawing Number

# A101



2 FIRST FLOOR REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



### FLOOR PLAN KEYNOTES

- A1 5/8" GYPSUM BOARD ON 3 5/8" LT GA METAL STUDS AT 1'-4" OC. WALL TO BE 6" (MIN) ABOVE FINISHED CEILING.
- A2 INFILL EXISTING CMU WALL WITH NEW 8" CMU TO MATCH EXISTING. TOOTH CMU INTO EXISTING AT EACH JAMB. INFILL WALL CONSTRUCTION TO MAINTAIN 1-HR FIRE RATING.
- A3 PATCH EXISTING CORRIDOR FINISHES TO MATCH EXISTING THICKNESSES AND TEXTURES INCLUDING PLASTER (PAINTED) AND WALL BASE.
- A4 STAINLESS STEEL WALL CLOSURES W/ HEMMED EDGES AND EXPOSED FASTENERS.
- A5 NEW WALK-IN FREEZER W/ INTEGRAL FLOOR PER FOOD SERVICE (FSE) DRAWINGS.
- A6 REINSTALL EXISTING SALVAGED WALK-IN FREEZER. REMOVE FLOOR AND CONVERT TO WALK-IN COOLER. SEE FOOD SERVICE (FSE) DRAWINGS FOR ADDITIONAL MODIFICATIONS.
- A7 INSTALL CONDENSING UNIT FOR NEW FREEZER ON ROOF PER FOOD SERVICE (PSE) DRAWINGS. PROVIDE EQUIPMENT BASE (DIVERSITECH E LITE EQUIPMENT PAD OR EQUAL).
- A8 RELOCATE EXISTING CONDENSING UNIT TO ROOF PER FOOD SERVICE (FS) DRAWINGS. PROVIDE EQUIPMENT BASE (DIVERSITECH E LITE EQUIPMENT PAD OR EQUAL).
- A9 PROVIDE NEW ROOFTOP UTILITY CURB PER FOOD SERVICE DRAWINGS. FLASH INTO EXISTING ROOF FOR A WATER TIGHT PENETRATION. PROVIDE 2X4 SUPPORT FRAMING AT NEW OPENING.
- A10 EQUIPMENT PER FOOD SERVICE (FSE) DRAWINGS.
- A11 FABRICATED STEEL TRELLIS PER STRUCTURAL DRAWINGS.
- A12 FABRICATED STEEL FRAMED KNEE WALL PER STRUCTURAL DRAWINGS W/ INFILL PANELS.
- A13 WALL MOUNTED PAPER TOWEL AND SOAP DISPENSERS AT NEW HAND SINKS BY OWNER.

1 FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"

## BASIS OF DESIGN

## 095113 ACOUSTICAL PANEL CEILINGS

## ACT-1: ACOUSTICAL CEILING TILE 24"x24"

MANUFACTURER: ARMSTRONG  
STYLE: KITCHENZONE  
COLOR: WHITE  
EDGE: SQUARE LAY-IN 15/16"  
GRID: 15/16" WHITE  
NOTE:

## 096519 RESILIENT TILE FLOORING

LVT-1: LVT PLANK; 7" x 48", 20 MIL  
MANUFACTURER: SHAW CONTRACT  
COLLECTION: BRANCHING OUT CORETEC 20 MIL  
STYLE: 4309V  
COLOR: PINECONE OAK 56720  
NOTE: STAGGER LAYOUT, EXOGUARD+ FINISH, SHAW 4151 ADHESIVE

## 098433 INTERIOR PAINT

P-1: METAL PAINT  
MANUFACTURER: SHERWIN WILLIAMS  
PRIMER: PRO INDUSTRIAL PRO-CRYL  
INTERMEDIATE COAT: MATCH TOPCOAT  
TOP COAT: BOND-PLEX WATER BASED ACRYLIC COATING, GRAY BASE  
COLOR: 871S00200 ALUMINUM

## P-2: METAL PAINT - NOT USED.

MANUFACTURER:  
PRIMER:  
TOP COAT:  
COLOR:

## P-3: CMU - NEW, BARE WALLS

MANUFACTURER: SHERWIN WILLIAMS  
PRIMER: PREPRITE BLOCK FILLER, B25 SERIES  
INTERMEDIATE COAT: MATCH TOPCOAT  
TOP COAT: PROMAR 200 ZERO VOC INTERIOR LATEX EG-SHEL, B20  
COLOR: MATCH EXISTING

## P-4: GYPSUM BOARD - NEW AND PREVIOUSLY PAINTED

MANUFACTURER: SHERWIN WILLIAMS  
PRIMER: PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28 SERIES  
INTERMEDIATE COAT: MATCH TOPCOAT  
TOP COAT: PROMAR 200 ZERO VOC INTERIOR LATEX EG-SHEL, B20  
COLOR: MATCH EXISTING

## 093000 TILE

QT-1: QUARRY TILE  
MANUFACTURER: DAL TILE  
COLLECTION: QUIETREAD & PAVER  
STYLE: SURFACE - PAVER  
COLOR: BEIGE 00294  
GROUT: MAPEI PEARL GRAY 19 (OR SIMILAR TO EXISTING)  
LOCATION: NEW PREP RM 101 PATCH AND REPAIR  
NOTE: USE MATCHING WALL BASE, COVE (QT-B), WHERE NECESSARY FOR PATCH AND REPAIR.

## 096513 RESILIENT BASE

RB-1: RESILIENT WALL BASE: 4" H  
MANUFACTURER: JOHNSONITE  
STYLE: TRADITIONAL 4" DC-32-4  
COLOR: BURNT UMBER  
TOE STYLE: COVE  
NOTE:

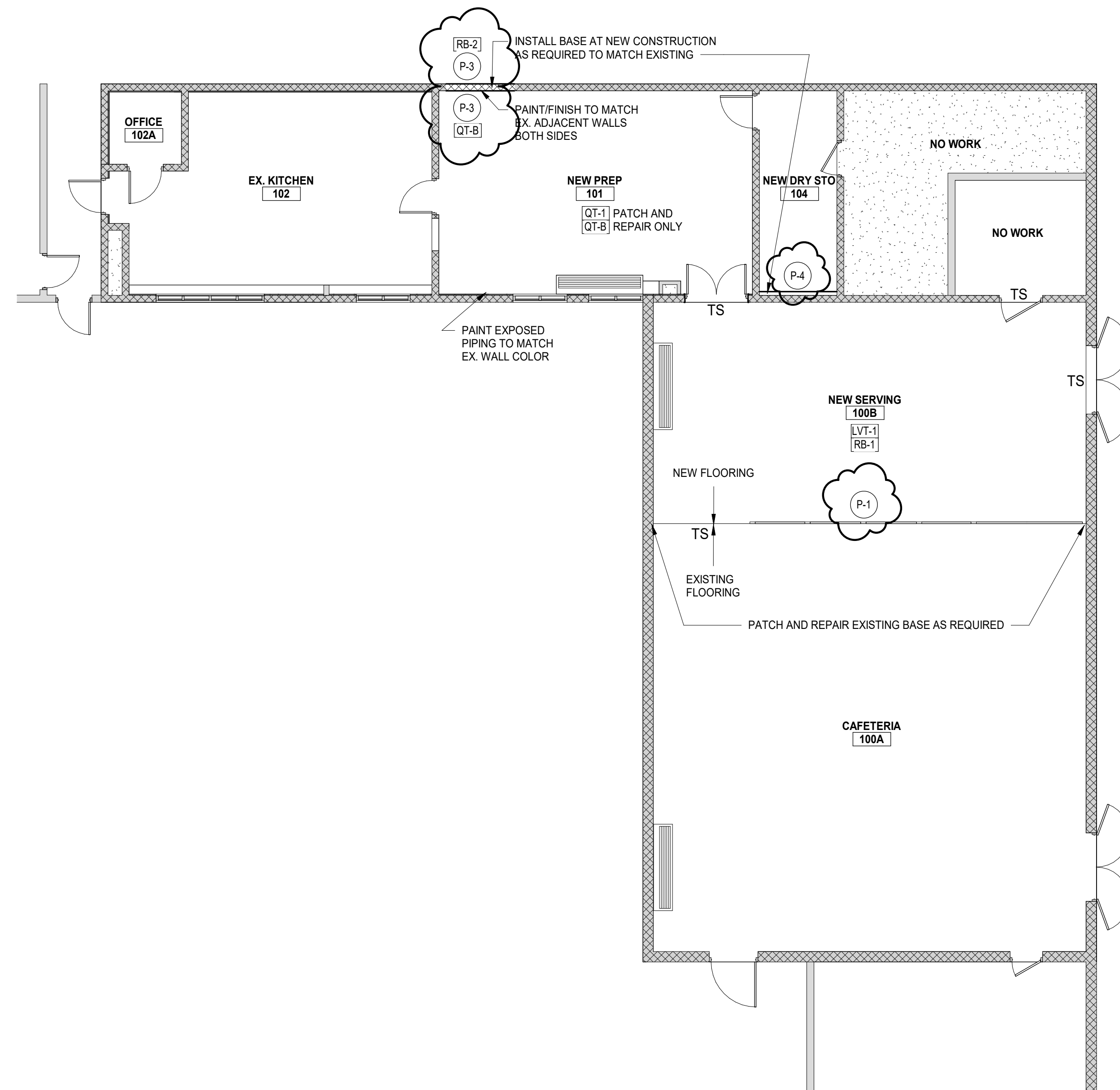
## RB-2: RESILIENT WALL BASE: 4" H TO MATCH EXISTING

MANUFACTURER:  
STYLE:  
COLOR:  
TOE STYLE:  
NOTE: COORDINATE W/ OWNER

ROOM FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS
				NORTH	SOUTH	EAST	WEST		
1ST FLOOR									
100A	CAFETERIA	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
100B	NEW SERVING	LVT-1	RB-1	EXIST	EXIST	EXIST	EXIST	EXIST /ACT-1	1
101	NEW PREP	QT-1*	QT-B*	P-3	EXIST	EXIST	EXIST	ACT-1	2
102	EX. KITCHEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
102A	OFFICE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
104	NEW DRY STO	EXIST	EXIST	EXIST	P-3	EXIST	EXIST	ACT-1	

## REMARKS:

- STEEL TRELIS TO RECEIVE P-1.
- PATCH EXISTING FLOOR AND BASE AS REQUIRED BY FLOOR SAW CUTS.

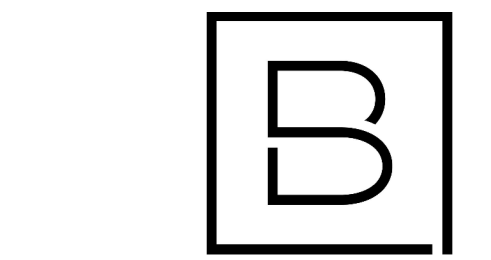


## GENERAL NOTES

- COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR PREPARING AND INSTALLING FINISHES.
- PROTECT ADJACENT WORK BY SUITABLY COVERING DURING WORK.
- REMOVE ADHESIVE OR PAINT SPOTS FROM FINISHED FLOORS, WALLS, GLASS OR OTHER SURFACES. FINISHES TO MEET OR EXCEED CODE REQUIREMENTS.
- INSTALL MATERIALS USING MANUFACTURER'S APPROVED ADHESIVES AND METHODS, U O N.
- FILL MINOR DRYWALL IRREGULARITIES WITH SPACKLING COMPOUND AND SAND TO A SMOOTH LEVEL SURFACE. EXERCISE CARE TO AVOID RAISING THE NAP OF PAPER.
- DO NOT PERFORM PAINTING AND OTHER FINISHING WORK UNDER CONDITIONS UNSUITABLE FOR EXECUTION OF PAINTING WORK. AIR SHALL BE FREE FROM DUST AND DIRT TO PREVENT LODGING OF FOREIGN MATTER IN FRESH PAINT. FLOORS MUST BE BROOM CLEAN BEFORE PAINTING IS STARTED.
- EDGES OF PAINT ADJOINING OTHER COLORS OR MATERIALS TO BE SHARP AND CLEAN WITHOUT OVERLAP.
- EXAMINE SURFACES TO RECEIVE PAINT CAREFULLY FOR DEFECTS. DO NOT PROCEED WITH WORK UNTIL DEFECTS ARE CORRECTED.
- WHENEVER NECESSARY TO OBTAIN REQUIRED RESULTS, REFINISH AN ENTIRE WALL RATHER THAN SPOT FINISHING WHERE A PORTION OF THE FINISH HAS BEEN DAMAGED OR IS UNSATISFACTORY.
- PREPARE FLOOR SURFACES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
  - PREPARE/PROPERLY REPAIR AND PATCH SUBFLOORS TO A SMOOTH AND LEVEL FINISH.
  - FLASH PATCH AS REQUIRED, READY TO RECEIVE NEW FINISH.
- PROVIDE SELF LEVELING TROWELABLE UNDERLAYMENT WHERE REQUIRED TO OBTAIN FINISH MANUFACTURER'S REQUIRED SUBFLOOR CONDITION.
- INSTALL TILE PER THE TILE COUNCIL OF NORTH AMERICA'S INSTALLATION SPECIFICATIONS.
- PROVIDE THE REQUIRED TRANSITIONS BASED ON TYPES IDENTIFIED ON DRAWINGS AT EACH FINISH TRANSITION LOCATION.
- CENTER FLOOR MATERIAL TRANSITIONS ON DOOR ABOVE.
- FINISHED FLOORS EXTEND INTO TOE SPACES, CLOSETS, DOOR REVEALS AND SIMILAR OPENINGS.
- REFER TO REFLECTED CEILING PLANS FOR CEILING FINISHES.
- REFER TO ELEVATIONS FOR MILLWORK FINISHES.

## FINISH SYMBOL LEGEND

- [XX#] → FLOOR FINISH ONLY
- [XX#] [XX#] → FLOOR FINISH AND WALL BASE
- (X# / X#) → GENERAL WALL FINISH SPLIT
- TS → TRANSITION STRIP



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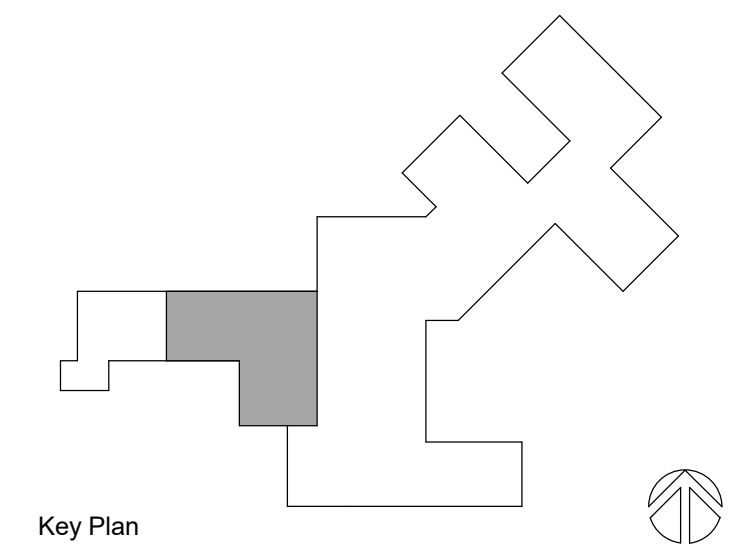
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Key Plan

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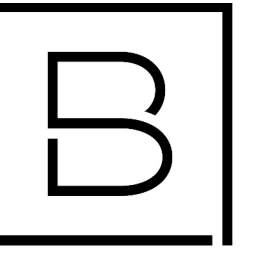
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FIRST FLOOR FINISH PLAN

Drawing Number

# A141

1 FIRST FLOOR FINISH PLAN  
SCALE: 1/8" = 1'-0"

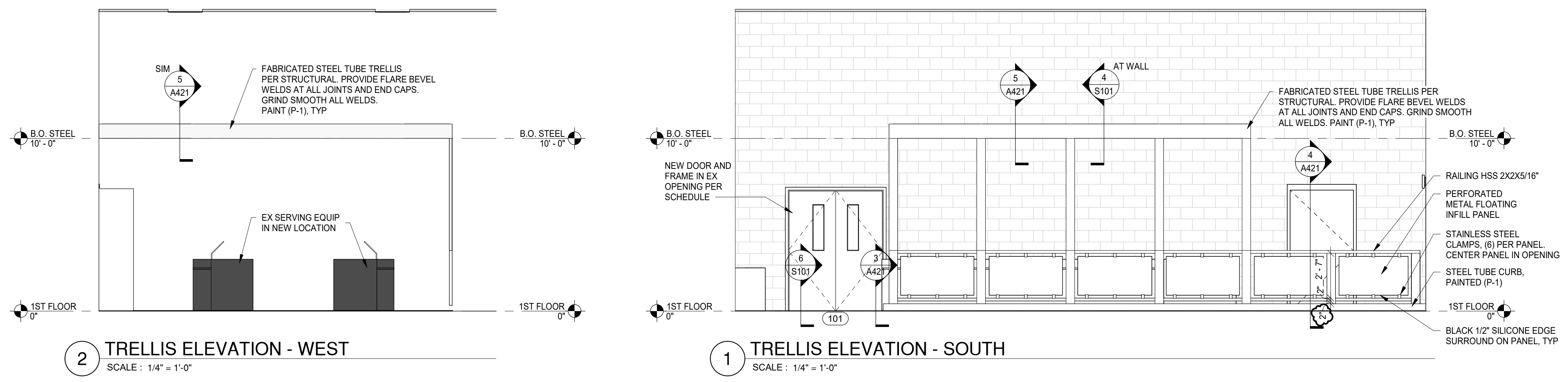
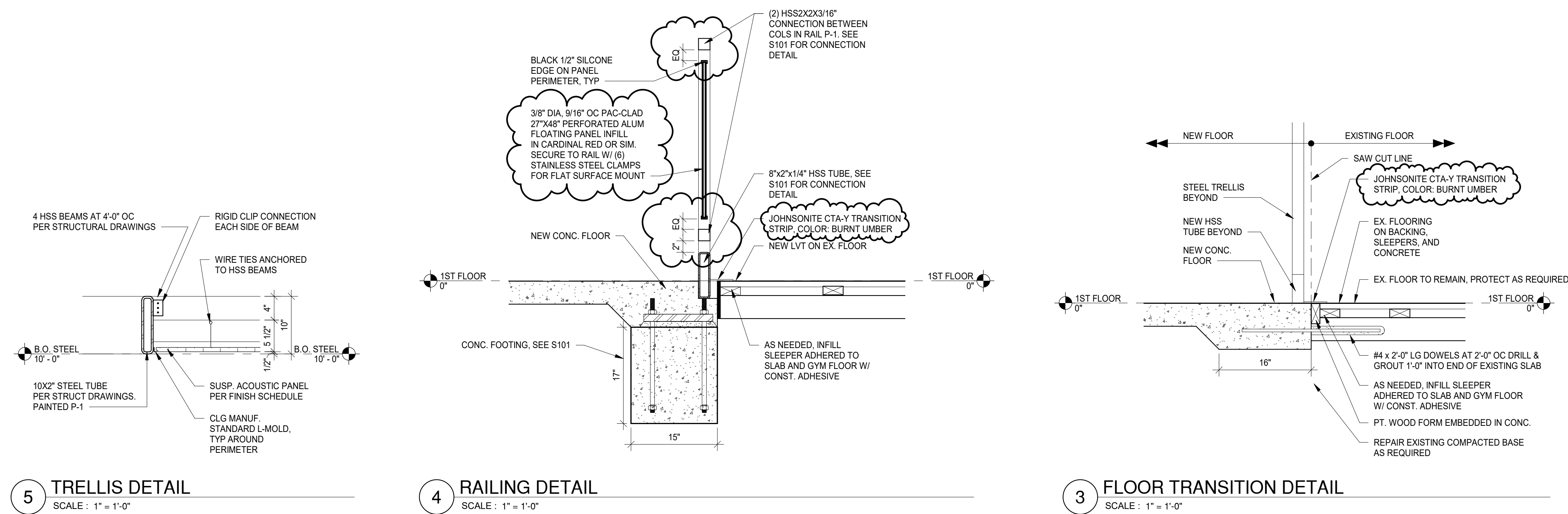


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### INTERIOR ELEVATIONS AND DETAILS

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# A421

**ORCHARD VIEW  
SCHOOL  
DISTRICT**

**EARLY  
ELEMENTARY  
KITCHEN AND  
SERVING  
RENOVATIONS**

2820 MACARTHUR RD  
MUSKEGON, MI

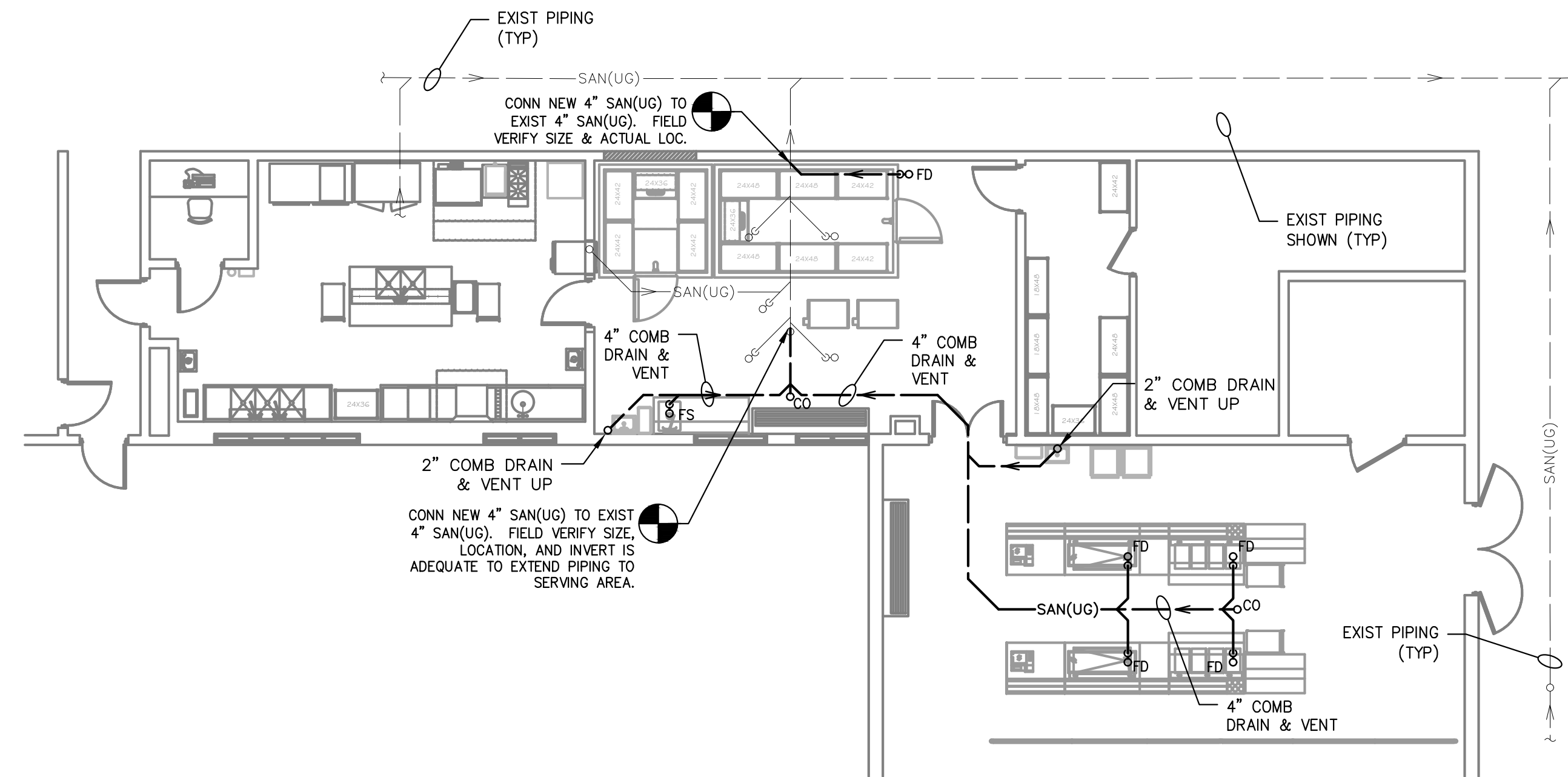
FIXTURE UNIT VALUES				
FIXTURE	DRAINAGE <sup>a</sup>		SUPPLY <sup>b</sup>	
	DFU	HW	CW	TOTAL
SINK (PRIVATE)	2	1	1	1.4
FLOOR DRAIN/SINK (3" TRAP)	5	—	—	—

a. DRAINAGE FIXTURE UNIT VALUES (DFU) TAKEN FROM Michigan Plumbing Code/2018, CHAPTER 7, TABLE 709.1.  
b. SUPPLY FIXTURE UNIT VALUES TAKEN FROM Michigan Plumbing Code/2018, APPENDIX E, TABLE E103.3(2).

MINIMUM SIZE CONNECTION				
FIXTURE	SAN	HW	CW	VENT
SINK	1 1/2"	1/2"	1/2"	1 1/2"
FLOOR DRAIN	3"	—	—	1 1/2"

WATER HAMMER ARRESTOR LEGEND		
SYMBOL	PDI RATING	FIXTURE UNIT CAP
	A	1-11

NOTES:  
1. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT OF WATER HAMMER ARRESTORS. REFER TO MANUFACTURER'S RECOMMENDATIONS.



**GENERAL PLUMBING NOTES:**

- THESE DRAWINGS ARE DIAGNOSTIC AND INDICATE THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL OTHER TRADES AND FOR PROPER INSTALLATION OF ALL PLUMBING SYSTEMS AND COMPONENTS IN ACCORDANCE WITH 2018 MICHIGAN PLUMBING CODE REQUIREMENTS.
- ROUTE ALL SANITARY & WASTE PIPING 2" AND LARGER AT 1/8" FALL PER FOOT UNLESS OTHERWISE NOTED; ROUTE ALL SANITARY & WASTE PIPING 2" AND SMALLER AT 1/4" FALL PER FOOT UNLESS OTHERWISE NOTED.

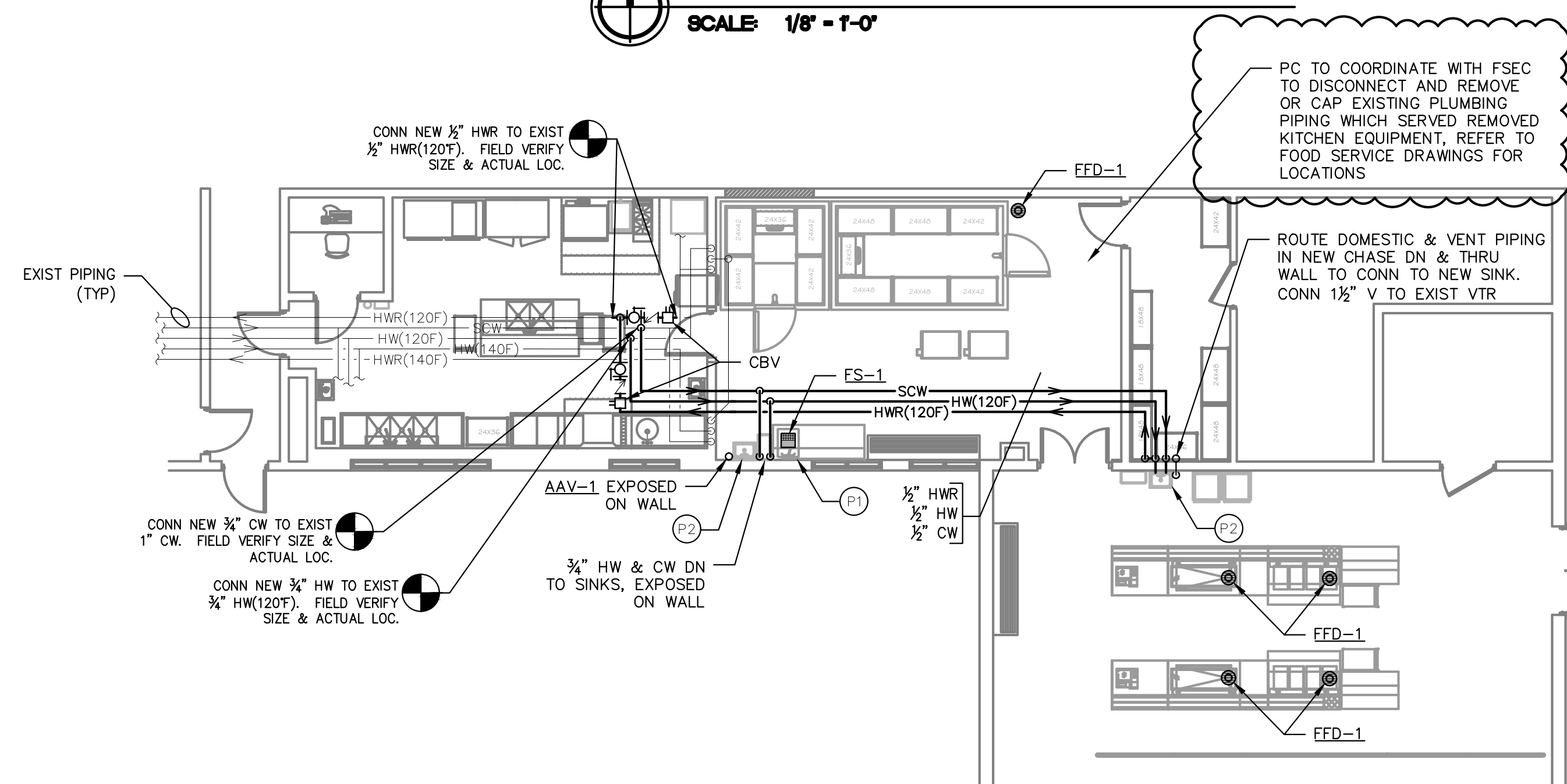
**KEYED PLUMBING NOTES:**

- (P1) NEW PREP SINK PROVIDED & INSTALLED BY FOOD SERVICE CONTRACTOR. PC TO PROVIDE 1/2" CW & 1/2" HW STUB W/ STOP VALVE AND 1 1/2" DIRECT DRAIN AS REQ FOR CONN BY FOOD SERVICE CONTRACTOR. PROVIDE ASSE 1070 TEMPERATURE AND PRESSURE REGULATING DEVICE AT FIXTURE, REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.
- (P2) NEW HAND SINK PROVIDED & INSTALLED BY FOOD SERVICE CONTRACTOR. PC TO PROVIDE 1/2" CW & 1/2" HW STUB W/ STOP VALVE AND 1 1/2" DIRECT DRAIN AS REQ FOR CONN BY FOOD SERVICE CONTRACTOR. PROVIDE ASSE 1070 TEMPERATURE AND PRESSURE REGULATING DEVICE AT FIXTURE, REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.

**GENERAL PLUMBING DEMOLITION NOTES:**

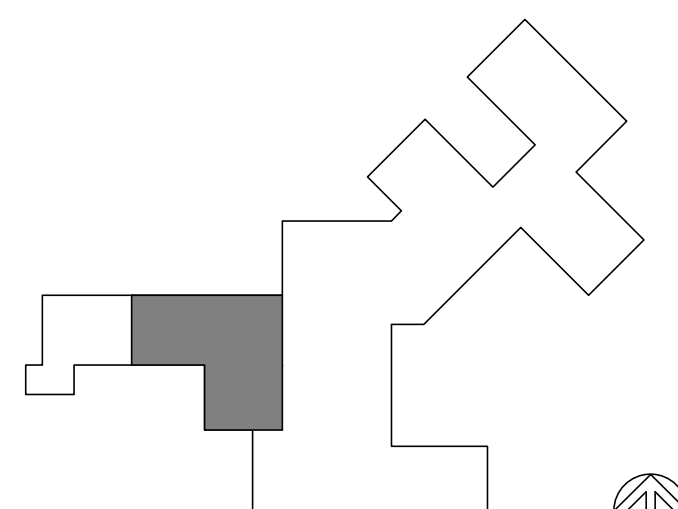
- DO NOT INTERRUPT OR CONNECT INTO ANY SERVICE PIPING, ELECTRICAL, OR INSTRUMENTATION WORK WITHOUT PRIOR APPROVAL FROM THE OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL FIELD VERIFY LOCATION(S) OF EXISTING PIPING OR EQUIPMENT TO BE REMOVED.
- COORDINATE WITH GENERAL CONTRACTOR FOR WALL, ROOF, CEILING, AND FLOOR REPAIR WORK LEFT BY REMOVED ITEMS.

**UNDERGROUND PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"



**FIRST FLOOR PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"

CHRISTOPHER J. NOLAN, P.E.  
MI - REGISTRATION# 6201043863  
EXP. DATE# 4/14/2025



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Date Issued	Project Number
2/15/2023	22013309A

Sheet Name

PLUMBING PLANS

Drawing Number

**P101**