

MARCH 1, 2023
PERMIT SET



699 NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

ARCHITECT



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DRAWING INDEX

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C04	GENERAL LAYOUT	X	X
C05	PAVEMENT PLAN	X	X
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PROJECT
LOCATION



VICINITY MAP



Summer Moon Coffee

Lee's Summit, Jackson County, Missouri
Section 36, Township 48N, Range 32W

Construction Documents

LEGEND			
	Existing Section Line		Proposed Right-of-Way
	Existing Right-of-Way Line		Proposed Property Line
	Existing Lot Line		Proposed Lot Line
	Existing Easement Line		Proposed Easement
	Existing Curb & Gutter		Proposed Curb & Gutter
	Existing Sidewalk		Proposed Sidewalk
	Existing Storm Sewer		Proposed Storm Sewer
	Existing Storm Structure		Proposed Storm Structure
	Existing Waterline		Proposed Fire Hydrant
	Existing Gas Main		Proposed Waterline
	Existing Sanitary Sewer		Proposed Sanitary Sewer
	Existing Sanitary Manhole		Proposed Sanitary Manhole
	Existing Contour Major		Proposed Contour Major
	Existing Contour Minor		Proposed Contour Minor
			Future Curb and Gutter
	Utility Easement		
	Sanitary Sewer Easement		Access Easement
	Drainage Easement		Temporary Easement

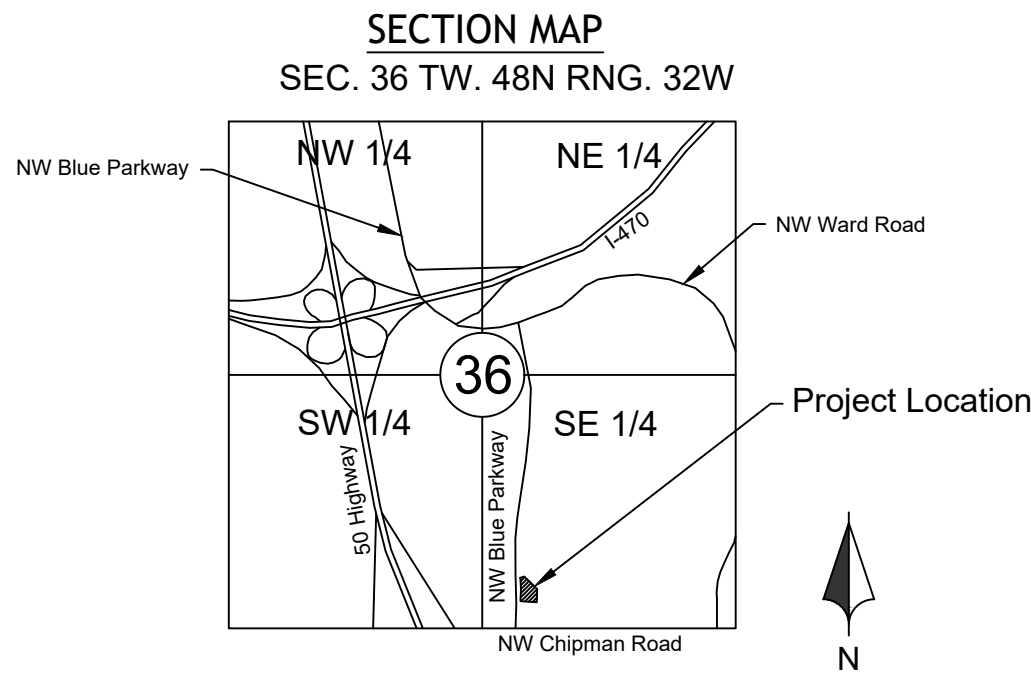
Legal Description
Lot 3, SUMMIT FAIR, FIRST PLAT LOTS 1-7, LOT 9, TRACTS A, B, D, AND E, a subdivision in the city of Lee's Summit, Jackson County, Missouri.

Civil Engineer
Renaissance Infrastructure Consulting
Mick Slutter
400 E. 17th Street
Kansas City, MO 64108
(816) 800-0950

Architect
Yaeger Architecture
Jessica Wardle
8655 Penrose Lane, Ste 300
Lenexa, KS 66219
(913) 742-8024



Sheet List Table	
Sheet Number	Sheet Title
C01	Title Sheet
C02	Existing Conditions
C03	Area Plan
C04	General Layout
C05	Pavement Plan
C06	Grading Plan
C07	Standard Details 1



GENERAL NOTES

- All work in public easements and right of way and all erosion control work must comply with the latest edition of the Technical Provisions & Standard Drawings for Roads and Sewers, of the City of Lee's Summit, Jackson County, Missouri. If any general notes conflict with the Technical Provisions & Standard Drawings for Roads and Sewers, of the City of Lee's Summit, the City of Lee's Summit's standards shall override.
- The contractor shall provide evidence that his insurance meets the requirements of the City of Lee's Summit.
- All traffic control shall be in conformance with the Manual of Uniform Traffic Control Devices (MUTCD).
- The contractor is responsible for the protection of all property corners and section corners. Any property corners and/or section corners disturbed or damaged by construction activities shall be reset by a Registered Land Surveyor licensed in the State of Missouri, at the contractor's expense.
- The contractor shall be responsible for the restoration of the right-of-way and for damaged improvements such as curbs, driveways, sidewalks, street light and traffic signal junction boxes, traffic signal loop lead ins, signal poles, irrigation systems, etc. Damaged improvements shall be repaired in conformance with the latest City standards and to the City's satisfaction.
- The contractor is responsible for providing erosion and sediment control BMPs to prevent sediment from reaching paved areas, storm sewer systems, drainage courses and adjacent properties. In the event the prevention measures are not effective, the contractor shall remove any debris, silt, or mud and restore the right-of-way, or adjacent properties to original or better condition.
- The contractor shall remove existing trees and shrubbery within the right-of-way adjacent to future thoroughfare improvements.
- The contractor shall sod all disturbed areas within the public street right-of-way unless otherwise noted on the plans or if specific written approval is granted by the City.
- All public street sidewalk ramps constructed will be required to comply with the Americans with Disabilities Act (ADA) and Lee's Summit, Missouri sidewalk details.
- Excavation for utility work in public street right-of-way requires a Right-of-Way Work Permit from the Public Works Department, in addition to all other permits.
- All work shall be confined within easements and/or construction limits as shown on the plans.
- Curb stakes and hubs shall be provided at all high points, low points, ADA ramp openings, and on each side of all curb inlets when setting string line.
- Any existing and/or temporary storm sewer pipes and box culverts to be abandoned in place shall be grouted using a slurry grout mixture meeting a 7-day compressive strength of 100-150 psi. The slurry grout mixture of fly ash, cement, fine aggregate, forming agents and water shall be approved by the City and shall possess adequate flow characteristics to fill all voids.
- All existing utilities indicated on the drawings are according to the best information available to the engineer; however, all utilities actually existing may not be shown. The contractor shall be responsible for contacting all utility companies for an exact field location of each utility prior to any construction. All utilities, shown and un-shown, damaged through the negligence of the contractor shall be repaired or replaced by the contractor at his expense.
- The contractor will be responsible for all damages to existing utilities, pavement, fences, structures, and other features not designated for removal. The contractor shall repair all damages at his expense.
- By use of these construction documents the contractor hereby agrees that he shall be solely responsible for the safety of the construction workers and the public. The contractor agrees to hold the engineer and owner harmless for any and all injuries, claims, losses, or damages related to the project.
- The contractor will be responsible for providing all signage, barricades, lighting, etc., as required for temporary traffic control during the construction of this project. Maintenance of the temporary traffic control devices will be the contractor's responsibility. All traffic control in conduction with construction in the right-of-way shall be in conformance with the City Traffic Control Requirements.
- Geogrid, footings, or other elements of retaining wall(s) cannot encroach into the right of way, public easements, or adjacent private property.
- All building and life safety issues shall comply with the 2012 International Fire Code and local amendments as adopted by Lee's Summit, Missouri.
- Contractor shall be responsible for obtaining all permits including land disturbance, right-of-way, hauling, etc., with Public Works prior to construction.
- Contractor shall restore all disturbed right-of-way upon project completion.
- Prior to construction, contractor shall install pre-construction erosion control measures.

FLOOD PLAIN NOTE

According to the FEMA Flood Insurance Rate Map Number 29095C0417G, revised January 20, 2017, portions of this tract lie in: OTHER AREAS, ZONE X, defined as areas determined to be outside the 0.2% annual chance floodplain, OTHER FLOOD AREAS, ZONE X (Future Base Flood), defined as areas of 1% annual chance flood based on future conditions hydrology, and ZONE AE, Special Flood Hazard areas subject to inundation by the 1% annual chance flood, Base Flood Elevations determined.

The information concerning locations of underground utilities shown hereon which are not visible from the surface, has been taken from the records and field locations of the various utility companies and has not been field verified by this company. These locations are not to be construed as accurate or exact.



Construction Documents

22-0188

Summer Moon Coffee
Lee's Summit, Jackson County, Missouri

Title Sheet

NO.	DATE	REVISION
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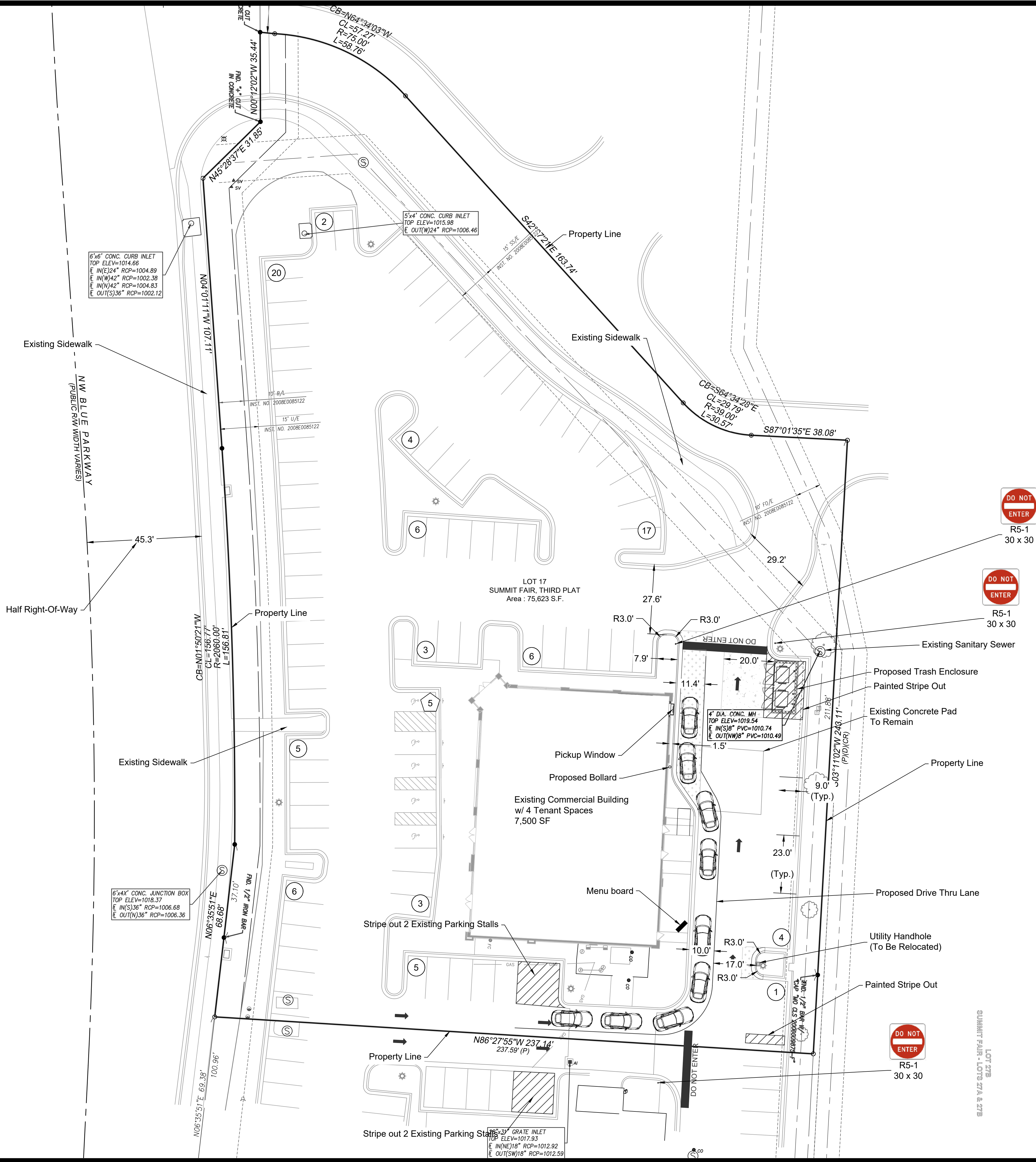
Renaissance
Infrastructure
Consulting

400 E 17TH STREET
KANSAS CITY, MISSOURI 64108
www.RIC-CONSULT.COM
B16-800-0950

MO Certificate of Authority: E-2010033630



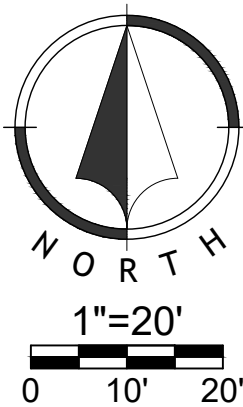
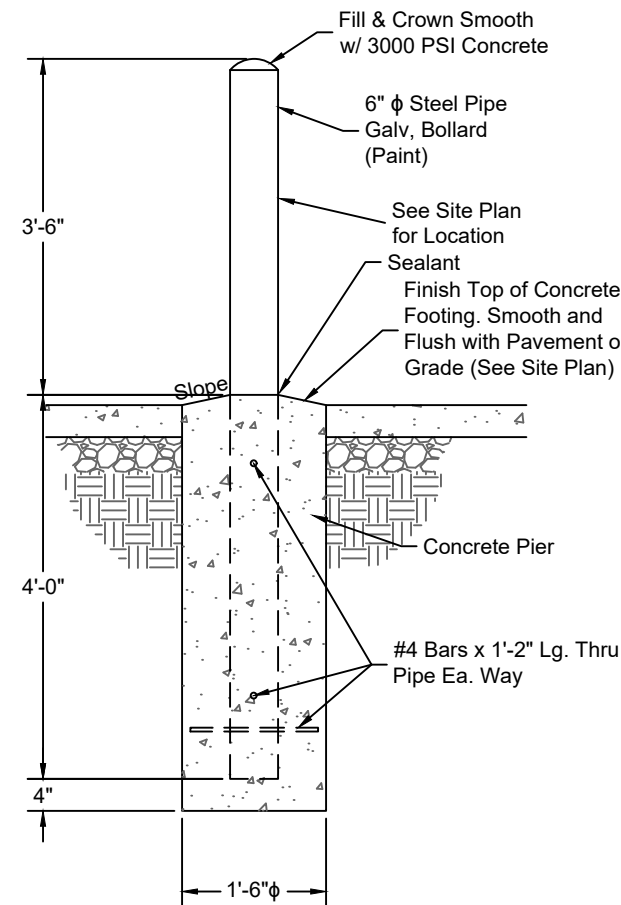
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C01



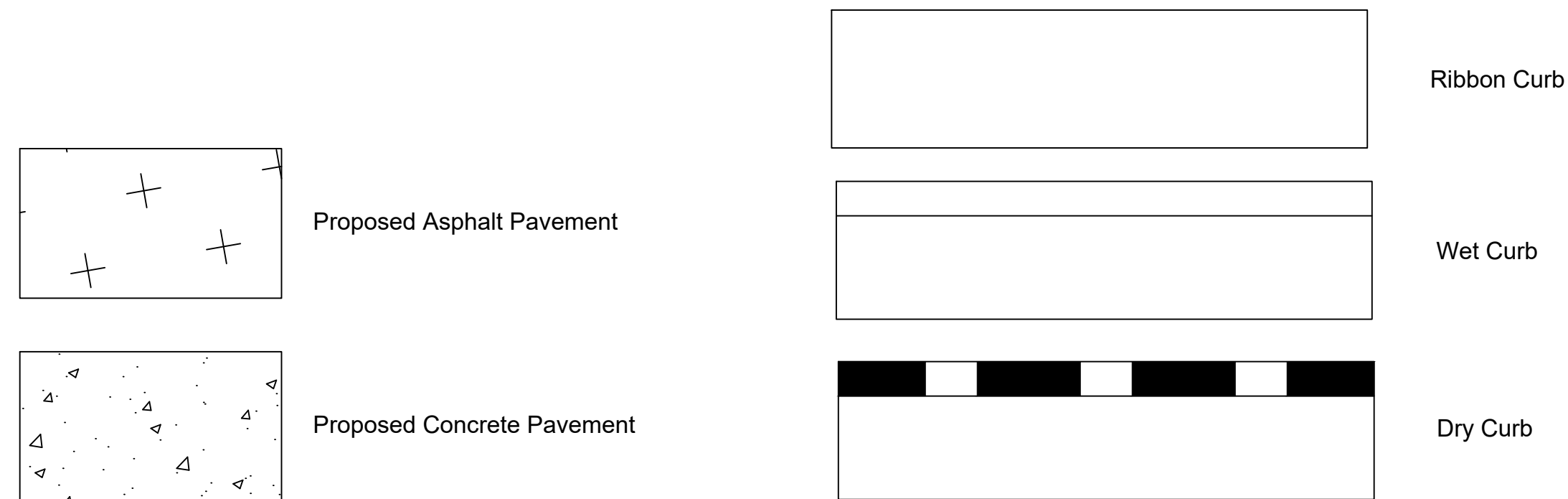
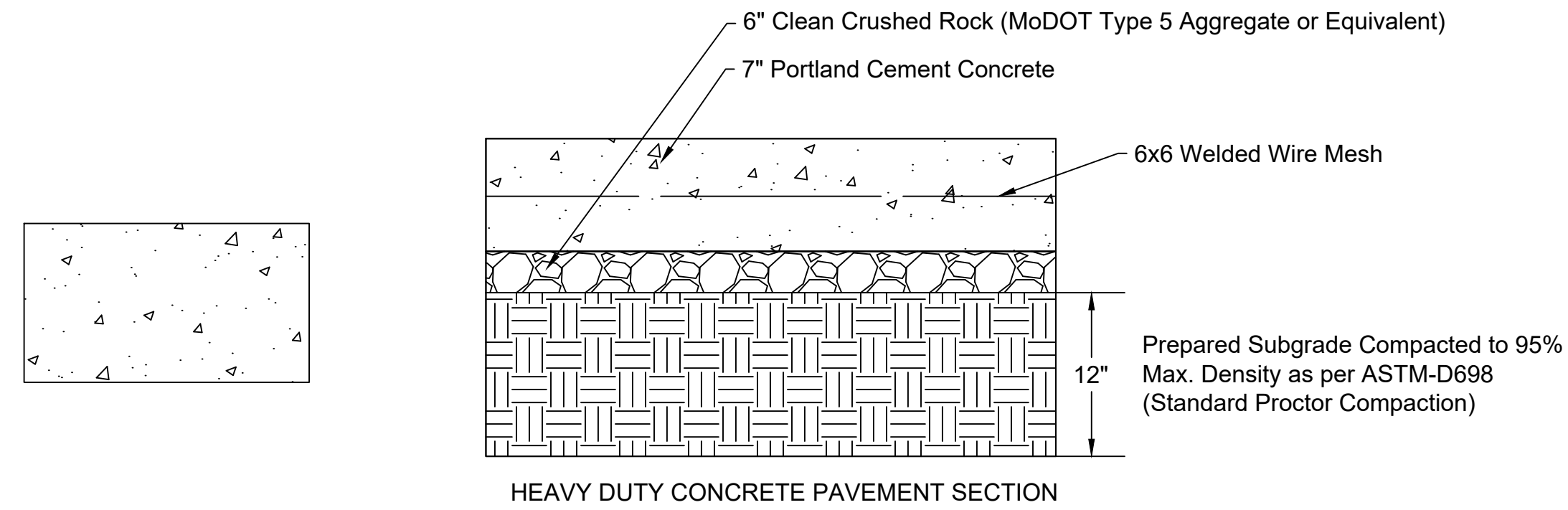
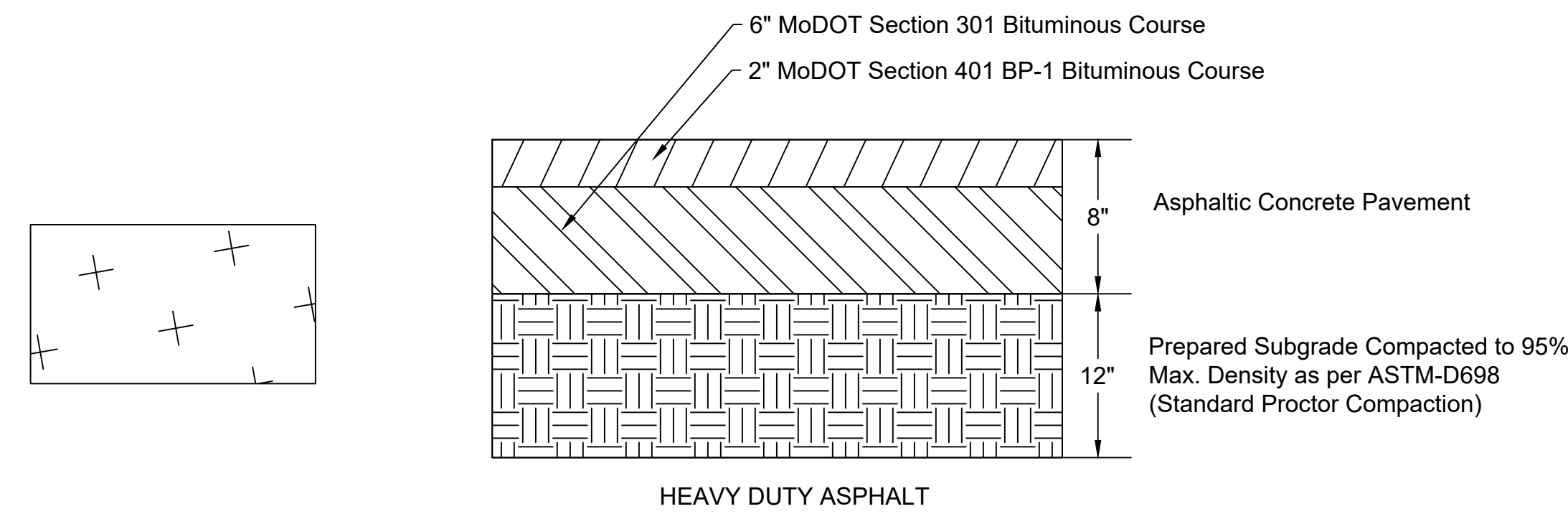
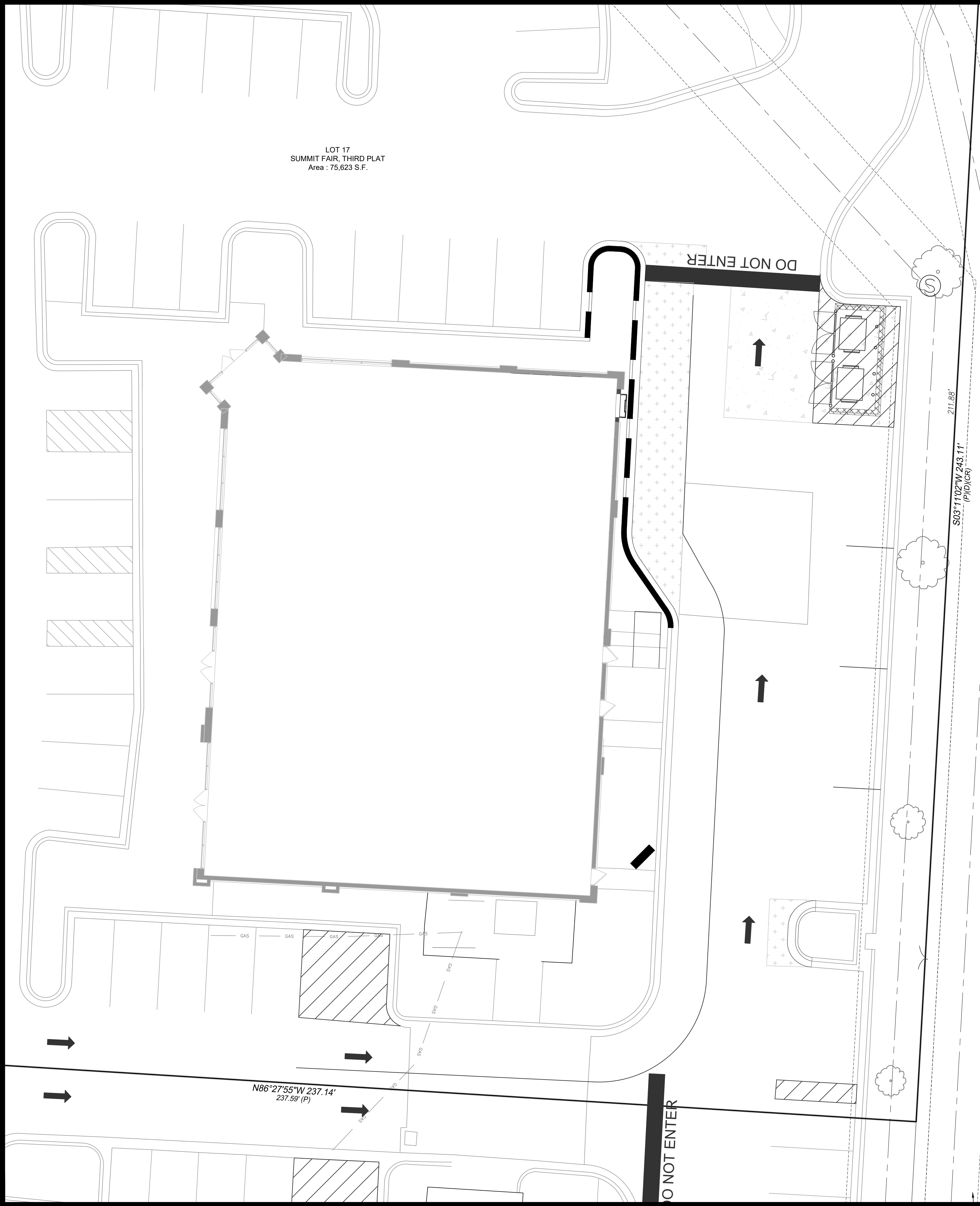
Site Data Table
Zoning: CP-2
Existing Lot: 75,623 SF (1.74 Acres)
Existing Impervious Area: 51,053 SF (67.34%)
Proposed Impervious Area: 51,009 SF (67.30%)
Proposed Building Area: 7,500 SF (1-Story)
Floor Area Ratio (FAR): 0.099

Parking Data:
Proposed Parking Stalls: 87 (5 ADA)
Required Parking Stalls: 85 (4 ADA)
Retail: 2,250 SF @ 5/1000 = 11.25 stalls
Restaurant: 5,250 SF @ 14/1000 = 73.50 stalls

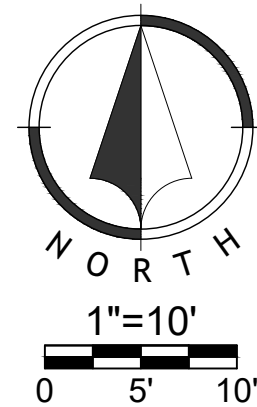
2 ADA Parking Stall Count
1 Car Parking Stall Count



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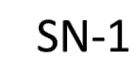


	Vehicle parking areas & drives	Fire lanes and truck access
Asphalt	Sec. 8.620.F.1.a.(1)	Sec. 8.620.F.1.b.(1)
Asphalt surface course	1.5"	1.5"
Asphalt base course	4"	5"
Subgrade	6" granular base course with Geogrid, or 6" granular base course with 6" stabilized subgrade	6" granular base course with Geogrid, or 6" granular base course with 6" stabilized subgrade
Concrete	Sec. 8.620.F.1.a.(2)	Sec. 8.620.F.1.b.(2)
Concrete — Full depth	6"	6"
Subgrade	4" granular base course	4" granular base course



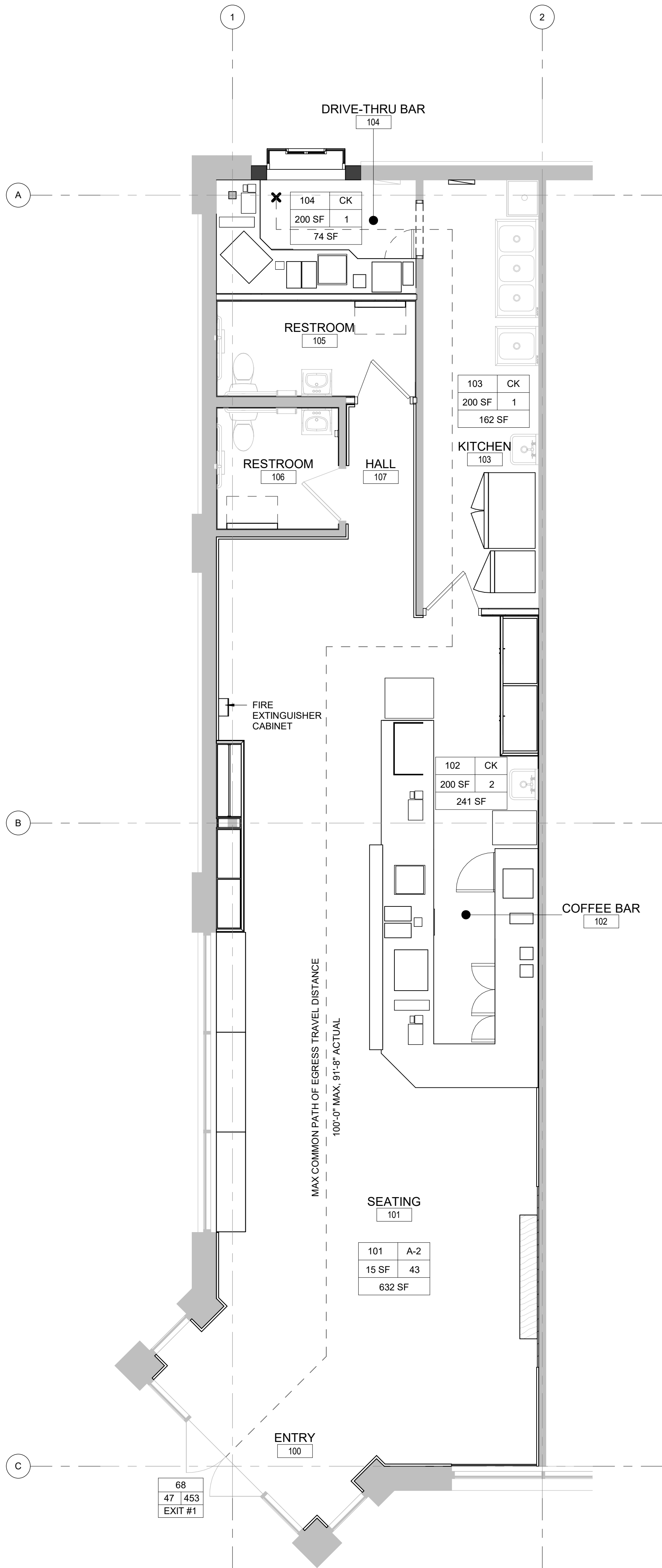
NO.	DATE	REVISION
2	12/06/2022	Per City Comments
1	11/09/2022	Original Submittal

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CODE ANALYSIS 2018		
CODE ANALYSIS:		
TYPE OF CONSTRUCTION:		INTERIOR REMODEL
FACILITY NAME:		SUMMER MOON COFFEE
FACILITY ADDRESS:		699 NW BLUE PARKWAY LEE'S SUMMIT, MO 64086
CODE REGULATIONS:		
BUILDING CODE:		2018 INTERNATIONAL BUILDING CODE
MECHANICAL CODE:		2018 INTERNATIONAL MECHANICAL CODE
PLUMBING CODE:		2018 INTERNATIONAL PLUMBING CODE
ELECTRICAL CODE:		2017 NATIONAL ELECTRICAL CODE
GAS CODE:		2018 INTERNATIONAL FUEL GAS CODE
FIRE PREVENTION:		2018 INTERNATIONAL FIRE CODE
OCCUPANCY CLASSIFICATION:	(SECTION 302)	GROUP B BUSINESS
CONSTRUCTION TYPE:	(TABLE 504.3)	V-B
SPRINKLERS:	(SECTION 903)	TENANT SPACE IS CURRENTLY SPRINKLERED
ALLOWABLE BUILDING STORIES:	(TABLE 504.4)	2 STORIES
ACTUAL BUILDING STORIES:		1 STORY
BASE ALLOWABLE BUILDING AREA:	(TABLE 506.2)	9,000 SF
ACTUAL BUILDING AREA:		7,612 SF
TOTAL TENANT AREA:		1,510 SF
SPRINKLER SYSTEM PER SECTION 903 (NFPA 101):		PROVIDED (NFPA 13)
PORTABLE FIRE EXTINGUISHERS (NFPA 101):		PROVIDED (NFPA 10)
MANUAL FIRE ALARM SYSTEM PER (NFPA 101):		PROVIDED
OCCUPANCY LOAD FACTORS PER (TABLE 1004.1.2)		47 PEOPLE
FOR INDIVIDUAL ROOM CALCULATIONS AND EXITING OCCUPANT LOADS:		RE: SHEET A-005
NUMBER OF REQUIRED EXITS:	(SECTION 1006)	
REQUIRED NUMBER OF EXITS:		(1) ONE
EXITS PROVIDED:		(1) ONE
EXIT TRAVEL DISTANCE (TABLE 1017.2):		300 FT (WITH SPRINKLER)
DEAD END CORRIDOR (SECTION 1020.4):		NOT TO EXCEED 50 FT (WITH SPRINKLER)



REQUIRED PLUMBING FIXTURES

(2) WATER CLOSETS REQUIRED
(2) WATER CLOSETS PROVIDED (INDIVIDUAL RESTROOMS)

(2) LAVATORIES REQUIRED
(2) LAVATORIES PROVIDED

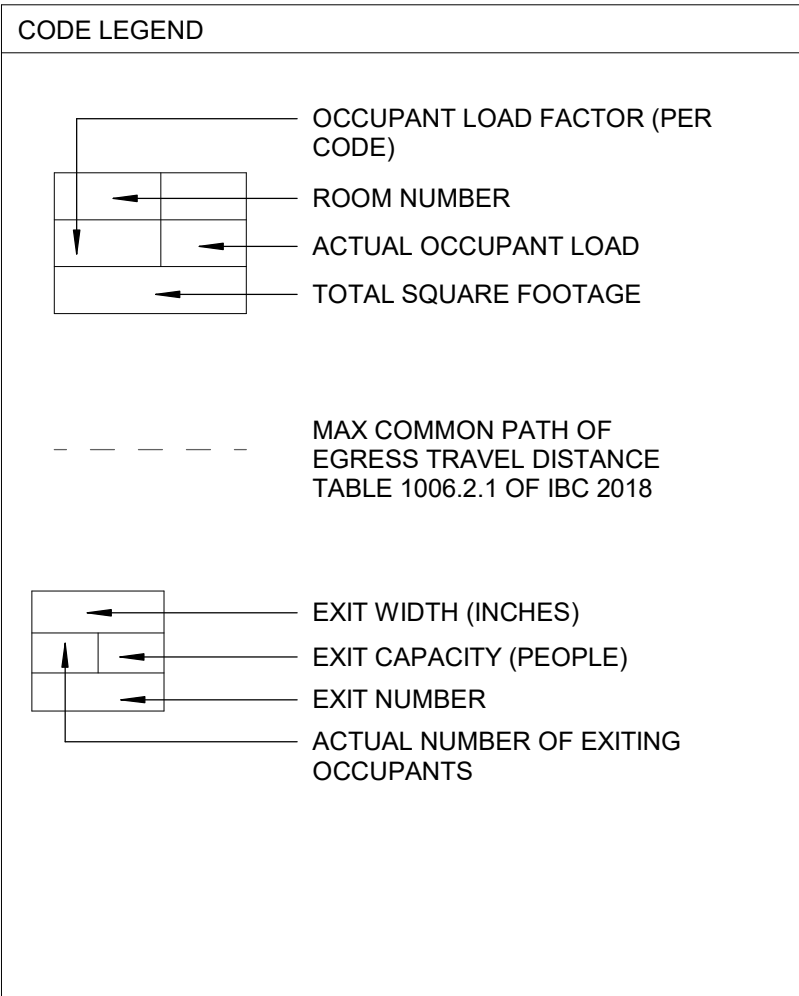
(1) SERVICE SINK REQUIRED
(1) SERVICE SINK PROVIDED

DRINKING FOUNTAIN NOT REQUIRED PER SEC. 7-406 OF LEE'S SUMMIT CODE OF ORDINANCES, WHERE RESTAURANTS PROVIDE DRINKING WATER IN A CONTAINER FREE OF CHARGE.

WATER CLOSETS, LAVATORIES, AND SERVICE SINK ARE EXISTING FIXTURES TO REMAIN IN PLACE.

C1 PLUMBING FIXTURE COUNTS

SCALE: N.T.S.



KEYNOTES



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699 NW BLUE PARKWAY
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PROJECT NO: 22056
DATE: 2023-02-17

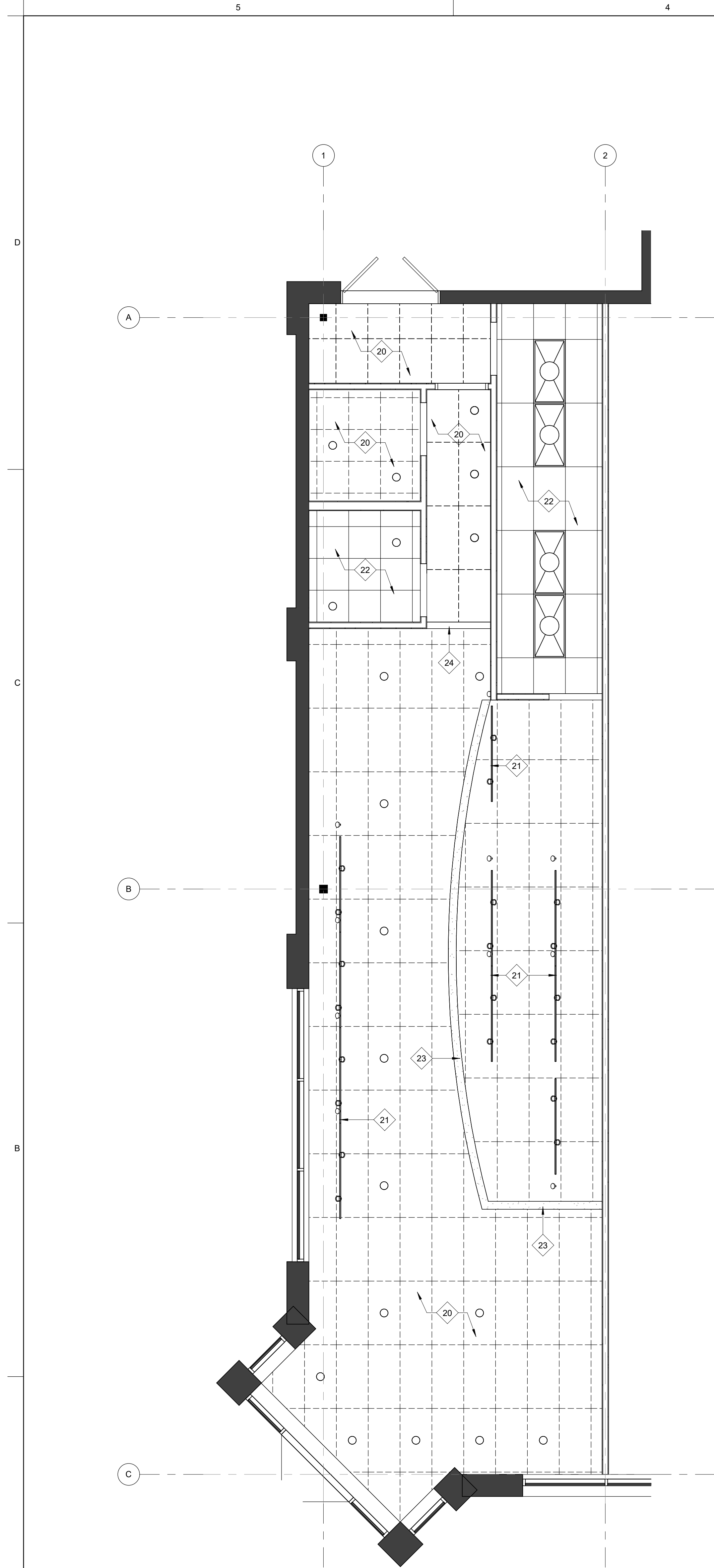
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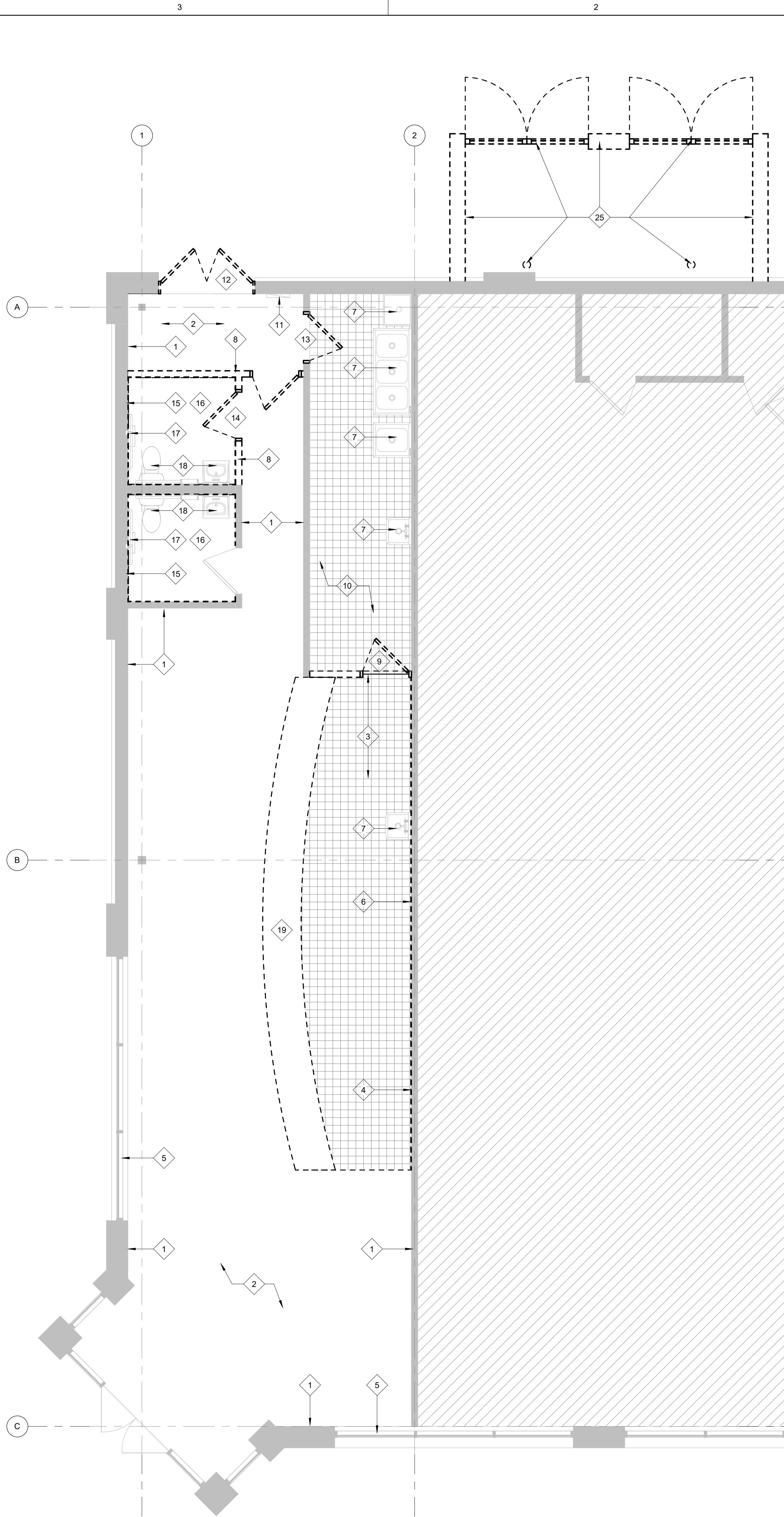
CODE PLAN

A-005

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A5 TENANT DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



A1 TENANT DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

DEMOLITION PLAN LEGEND

- WALL TO REMAIN
- WALL TO BE REMOVED
- DOOR AND FRAME TO BE DEMOLISHED
- EXISTING DOOR AND FRAME TO REMAIN

GENERAL DEMOLITION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND THE SUBSEQUENT DISPOSAL AND/OR RECYCLING OF ALL MATERIALS.
- REFER TO SHEET A-001 FOR GENERAL NOTES AND INFORMATION APPLICABLE TO ALL PROJECT WORK.
- GENERAL CONTRACTOR SHALL INVESTIGATE ALL FIELD CONDITIONS RELEVANT TO DEMOLITION. COORDINATE ANY DISCREPANCIES FOUND WITH ARCHITECT BEFORE COMMENCING WITH DEMOLITION WORK. REFER TO THE OTHER DISCIPLINES' DRAWINGS AS WELL AS OTHER ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION AND FOR COORDINATION WITH NEW WORK.
- DEMOLISH ALL INTERIOR CEILING FINISHED TO EXPOSE STRUCTURE.
- REFER TO MECHANICAL DRAWINGS FOR EXTENT OF HVAC DEMOLITION. NOTE ALL MECHANICAL DUCTS AND EQUIPMENT TO BE REUSED.
- REFER TO PLUMBING DRAWINGS FOR EXTENTS OF PLUMBING FIXTURE DEMOLITION. NOTE ALL PLUMBING FIXTURES TO REUSED, INCLUDING WATER CLOSETS, LAVATORIES, HAND SINKS, AND SERVICE SINKS.
- REFER TO ELECTRICAL DRAWINGS FOR EXTENTS OF ELECTRICAL, LIGHTING, AND TELECOMMUNICATION SYSTEMS TO BE DEMOLISHED. NOTE ITEMS TO BE REUSED.
- ALL DIMENSIONS OF EXISTING ELEMENTS ARE APPROXIMATE. FIELD VERIFY ALL DIMENSIONS AS REQUIRED.
- PROTECT FROM DAMAGE OR SOLING, ALL EXISTING CONSTRUCTION INDICATED TO REMAIN, OR INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN. REPAIR OR REPLACE DAMAGED ITEMS TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- REMOVE ALL LOOSE / PEELING PAINT FROM EXISTING WALL SURFACES TO REMAIN AND PREPARE FOR APPLICATION OF NEW WALL FINISH.
- DEMOLISH ALL INTERIOR FLOOR FINISHES DOWN TO STRUCTURE / CONCRETE. FIX AND PREPARE ALL SURFACES, AS REQUIRED, TO RECEIVE NEW FINISH.

KEYNOTES

DEMOLITION KEYNOTES

- REMOVE BLACK TILE WALL BASE FROM ALL WALLS. PATCH AND REPAIR GYPSUM BOARD AND PREP FOR NEW BASE FINISH.
- PREP FLOOR TO RECEIVE NEW FLOORING AS SCHEDULED. PATCH ANY HOLES IN CONCRETE FROM CASEWORK OR PARTITION REMOVAL.
- REMOVE EXISTING QUARRY TILE BEHIND SERVING COUNTER UP TO DOOR TO KITCHEN. QUARRY TILE INSIDE KITCHEN SHALL REMAIN IN PLACE. REMOVE ALL TILE SETTING BED MATERIAL FROM CONCRETE SUBSTRATE. PENDING CONDITION OF CONCRETE SUBSTRATE, A GRIND AND SEAL CONCRETE FINISH IS PREFERRED. PROVIDE ALLOWANCE FOR EPOXY FLOOR FINISH IF CONCRETE CONDITION IS TOO POOR FOR A GRIND AND SEAL FINAL FINISH.
- REMOVE ALL WALL TILE. PATCH AND REPAIR GYPSUM BOARD TO RECEIVE NEW FINISH PER SCHEDULE.
- SALVAGE WINDOW ROLLER SHADES FOR REUSE. TEMPORARILY REMOVE SHADES TO PAINT WALLS AND REINSTALL IN SAME LOCATION.
- REMOVE ALL SHELVEING, SIGNAGE, AND WOOD TRIM. PATCH AND REPAIR GYPSUM BOARD TO RECEIVE NEW FINISH PER SCHEDULE.
- EXISTING PLUMBING FIXTURE SHALL REMAIN IN PLACE. PROTECT DURING CONSTRUCTION.
- REMOVE EXISTING PARTITION. PATCH AND REPAIR ADJOINING PARTITIONS TO REMAIN.
- RELOCATE EXISTING ELIASON DOOR AND FRAME. REFER TO NEW WORK PLANS.
- EXISTING FINISHES INSIDE KITCHEN SHALL REMAIN IN PLACE. QUARRY TILE FLOORING, STAINLESS STEEL WALL PANELS, AND LAY-IN CEILING SHALL REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING ELECTRICAL PANEL SHALL REMAIN IN PLACE.
- DEMO EXISTING DOUBLE SWINGING DOORS AND HOLLOW METAL FRAME. REFER TO NEW CONSTRUCTION PLANS FOR NEW AUTOMATIC DRIVE-THRU WINDOW AND WALL INFILL SPECIFICATIONS.
- REMOVE EXISTING DOOR AND ASSOCIATED HARDWARE. FRAME SHALL REMAIN IN PLACE. PATCH EXISTING HOLES FROM HARDWARE REMOVAL AND PAINT FRAME PNT.4.
- RELOCATE EXISTING RESTROOM DOOR AND FRAME. REFER TO NEW WORK PLANS.
- REMOVE WALL TILE WAINSCOT ON ALL WALLS WITHIN RESTROOM. PATCH AND REPAIR GYPSUM BOARD. PREP TO RECEIVE NEW FINISH PER SCHEDULE.
- REMOVE EXISTING LVT FLOORING. PREP FLOOR TO RECEIVE NEW FINISH PER SCHEDULE.
- SALVAGE ALL WASHROOM ACCESSORIES FOR REUSE. TEMPORARILY REMOVE ACCESSORIES FOR INSTALLATION OF NEW FINISHES. REINSTALL IN SAME LOCATION.
- SALVAGE EXISTING WATER CLOSET AND LAVATORY. TEMPORARILY REMOVE PLUMBING FIXTURES FOR INSTALLATION OF NEW FINISHES. REINSTALL IN SAME LOCATION.
- DEMOLISH EXISTING SERVICE COUNTER, DIE WALL, AND ANY EQUIPMENT NOT TO BE REUSED BY OWNER IN NEW CONSTRUCTION. PATCH AND REPAIR FLOORING AND ADJACENT WALLS TO RECEIVE NEW FINISHES PER SCHEDULE.
- DEMOLISH EXISTING CEILING PANELS AND GRID, INCLUDING ALL LIGHT FIXTURES AND HVAC GRILLES. SALVAGE FOR REUSE PER OWNER'S DIRECTION. SALVAGE ALL SPEAKERS AND SECURITY CAMERAS FOR OWNER'S REUSE.
- DEMOLISH ALL EXISTING TRACK LIGHTING.
- CEILING IN THIS ROOM SHALL REMAIN IN PLACE, INCLUDING ALL LIGHT FIXTURES AND HVAC GRILLES. PROTECT DURING CONSTRUCTION.
- DEMOLISH EXISTING GYPSUM BOARD SOFFIT IN ITS ENTIRETY.
- GYPSUM BOARD HEADER SHALL REMAIN IN PLACE. REMOVE EXISTING EXIT SIGN FROM FACE. PATCH AND REPAIR ANY DAMAGE TO GYPSUM BOARD AND PREP FOR NEW FINISH PER SCHEDULE.
- DEMOLISH EXISTING TRASH ENCLOSURE MASONRY WALLS, STEEL GATES, AND ASSOCIATED CONCRETE FILLED BOLLARDS. PATCH AND REPAIR AREA ATTACHING TO BUILDING. REFER TO EXTERIOR ELEVATION AND CIVIL SITE PLANS FOR ADDITIONAL INFORMATION FOR NEW CONSTRUCTION.



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699 NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086



PROJECT NO:	22056
DATE:	2023-02-17
DRAWN BY:	
CHECKED BY:	
REVISOR	DESCRIPTION

**FIRST FLOOR
DEMOLITION PLAN**



AD100

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

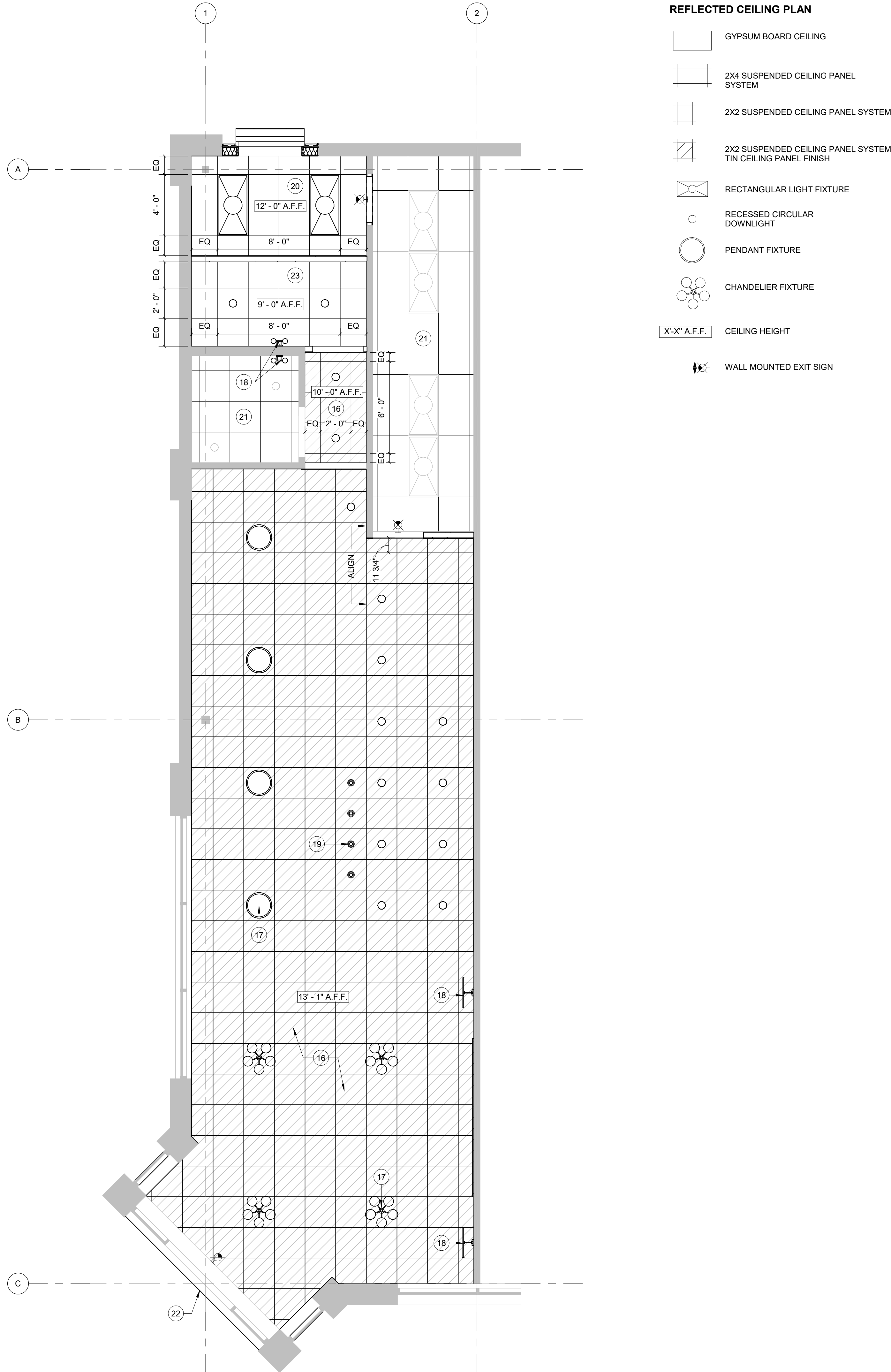


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A5

TENANT REFLECTED CEILING PLAN

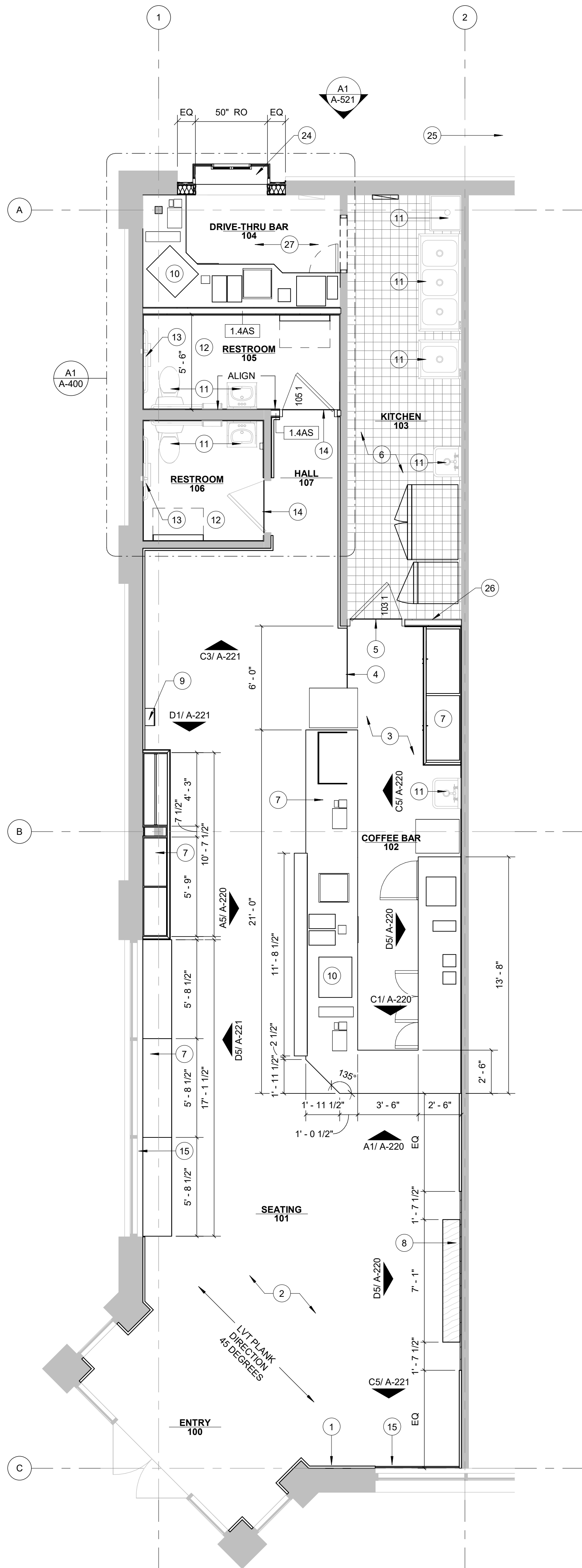
SCALE: 1/4" = 1'-0"



A1

TENANT FLOOR PLAN

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



PARTITION SCHEDULE					
TYPE	DESCRIPTION	WIDTH	FIRE RATING	STC	TYPE COMMENTS
1.4AS	3 5/8" MTL STUD WITH 5/8" GYPSUM BOARD ON EACH SIDE BOTH TO METAL DECK, WITH SOUND BATTS	4 7/8"	NA		

DOOR SCHEDULE			
To Room:	Mark	HARDWARE	COMMENTS
103	1	REUSE EXISTING HARDWARE	RELOCATED EXISTING DOOR
105	1	REUSE EXISTING HARDWARE	RELOCATED EXISTING DOOR

NOTE: PAINT RESTROOM DOORS AND FRAMES PNT.4

KEYNOTES

NEW WORK KEYNOTES (X)

1. PROVIDE PAINTED WOOD WAINSCOT IN CUSTOMER AREA ON ALL WALLS, UNLESS NOTED OTHERWISE. REFER TO ELEVATIONS AND TYPICAL SECTION FOR TRIM PROFILES. WD.2/PNT.2
2. INSTALL GLUE-DOWN LVT FLOORING PER SCHEDULE. INSTALL AT 45 DEGREE ANGLE RUNNING NORTHEAST TO SOUTHWEST. LVP.1
3. GRIND AND SEAL CONCRETE FLOORING BEHIND BAR. PENDING CONDITION OF CONCRETE ONCE QUARRY TILE IS REMOVED. SC.1
4. PROVIDE METAL EDGE STRIP BETWEEN LVT FLOORING AND SEALED CONCRETE FLOORING. SCHLUTER VINPRO-U IN BRUSHED CHROME ANODIZED FINISH.
5. PROVIDE SCHLUTER METAL RENO-RAMP FLOOR TRANSITION AT QUARRY TILE TO SEALED CONCRETE TRANSITION.
6. ALL FINISHES IN KITCHEN SHALL REMAIN IN PLACE. PROTECT DURING CONSTRUCTION. THOROUGHLY CLEAN KITCHEN, INCLUDING GROUT ON FLOOR.
7. BUILT-IN CUSTOM CASEWORK, PART OF GC SCOPE. REFER TO ELEVATIONS AND DETAILS. ALL CUSTOM CASEWORK SHALL BE AWI CUSTOM GRADE OR HIGHER.
8. BUILT-IN CUSTOM MANTEL WITH ELECTRIC FIREPLACE. FIREPLACE SHALL BE TOUCHSTONE MODEL NO. 80014.
9. SURFACE MOUNTED FIRE EXTINGUISHER WITH CABINET. WHITE FINISH.
10. ALL FOOD SERVICE EQUIPMENT SHALL BE PROVIDED BY THE OWNER. CUSTOM CASEWORK SHALL BE COORDINATED WITH CUTSHEETS PROVIDED BY THE OWNER AND/OR ARCHITECT.
11. EXISTING PLUMBING FIXTURE SHALL REMAIN IN PLACE. FIXTURE WILL NEED TO BE TEMPORARILY MOVED TO INSTALL NEW FINISHES, BUT SHALL BE REINSTALLED IN THE SAME LOCATION.
12. INSTALL NEW TILE FLOORING PER FINISH SCHEDULE. TL.5
13. REINSTALL SALVAGED WASHROOM ACCESSORIES AFTER NEW FINISHES HAVE BEEN INSTALLED PER FINISH SCHEDULE.
14. PROVIDE METAL SCHLUTER SIENIE TRANSITION STRIP BETWEEN TILE FLOORING AND LVT.
15. REINSTALL SALVAGED WINDOW ROLLER SHADES ON ALL WINDOWS, PENDING OWNER'S APPROVAL.
16. INSTALL NEW GRID AND TIN CEILING PANELS PER FINISH SCHEDULE. ALL RECESSED DOWNLIGHTS SHALL BE CONTRACTOR FURNISHED AND INSTALLED. CT.1
17. REFER TO ENGINEER'S LIGHTING PLAN FOR LIGHT FIXTURE INFORMATION. DECORATIVE PENDANT LIGHTS SHALL BE OWNER FURNISHED/CONTRACTOR INSTALLED. PENDANTS SHALL BE CENTERED IN CEILING TILE, TYPICAL.
18. REFER TO ENGINEER'S LIGHTING PLAN FOR LIGHT FIXTURE INFORMATION. DECORATIVE WALL SCONCES SHALL BE OWNER FURNISHED/CONTRACTOR INSTALLED. REFER TO ELEVATIONS FOR MOUNTING LOCATIONS.
19. REFER TO ENGINEER'S LIGHTING PLAN FOR LIGHT FIXTURE INFORMATION. DECORATIVE PENDANT LIGHTS SHALL BE OWNER FURNISHED/CONTRACTOR INSTALLED. FOR THESE FOUR PENDANTS IS TO BE CENTERED OVER THE HIGH SERVICE COUNTER. COORDINATE GRID LAYOUT WITH SERVICE COUNTER.
20. NEW CEILING GRID WITH VINYL FACED PANELS PER FINISH SCHEDULE. CT.2
21. EXISTING CEILING SHALL REMAIN IN PLACE. PROTECT DURING CONSTRUCTION.
22. ILLUMINATED EXTERIOR SIGNAGE SHALL BE OWNER PROVIDED/OWNER INSTALLED. RE. ELECT. DWGS. FOR POWER REQUIREMENTS.
23. NEW CEILING GRID WITH MINERAL FIBER PANELS PER FINISH SCHEDULE. CT.3
24. NEW AUTOMATIC DRIVE-THRU WINDOW WITHIN EXISTING OPENING. REFER TO ELEVATIONS AND DETAILS.
25. INSTALL OWNER PROVIDED MENU BOARD FOR DRIVE-THRU AS INDICATED ON OVERALL FLOOR PLAN AND CIVIL SITE PLAN. CONTRACTOR SHALL PROVIDE CONCRETE FOOTING AND ELECTRICAL INFIED PER ELECT. DWGS. CONFIRM ALL REQUIREMENTS WITH MENU BOARD MANUFACTURER.
26. INFILL EXISTING DOOR OPENING. FINISH PUBLIC SIDE PER FINISHES NOTED ON ELEVATIONS. FINISH KITCHEN SIDE WITH STAINLESS STEEL WALL PANELING TO MATCH EXISTING WALL FINISHES. REUSE EXISTING STAINLESS STEEL IF FEASIBLE.
27. EXISTING CONCRETE FLOOR TO REMAIN. PATCH AND REPAIR ANY HOLES IN CONCRETE FROM CASEWORK AND PARTITION REMOVAL. CLEAN AND RESEAL FLOOR.



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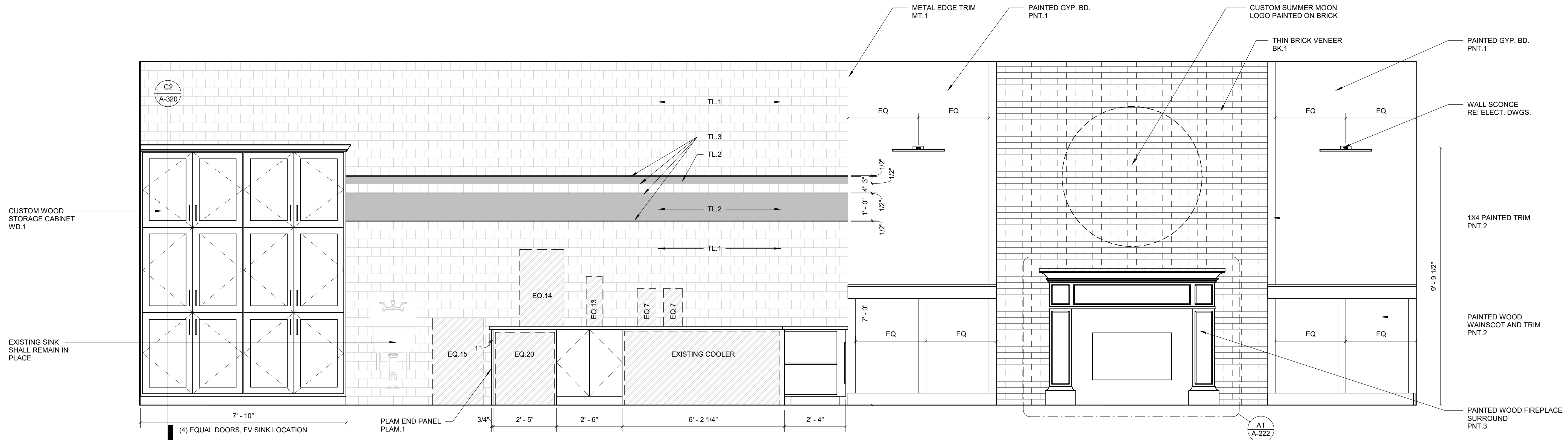
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TENANT PLANS

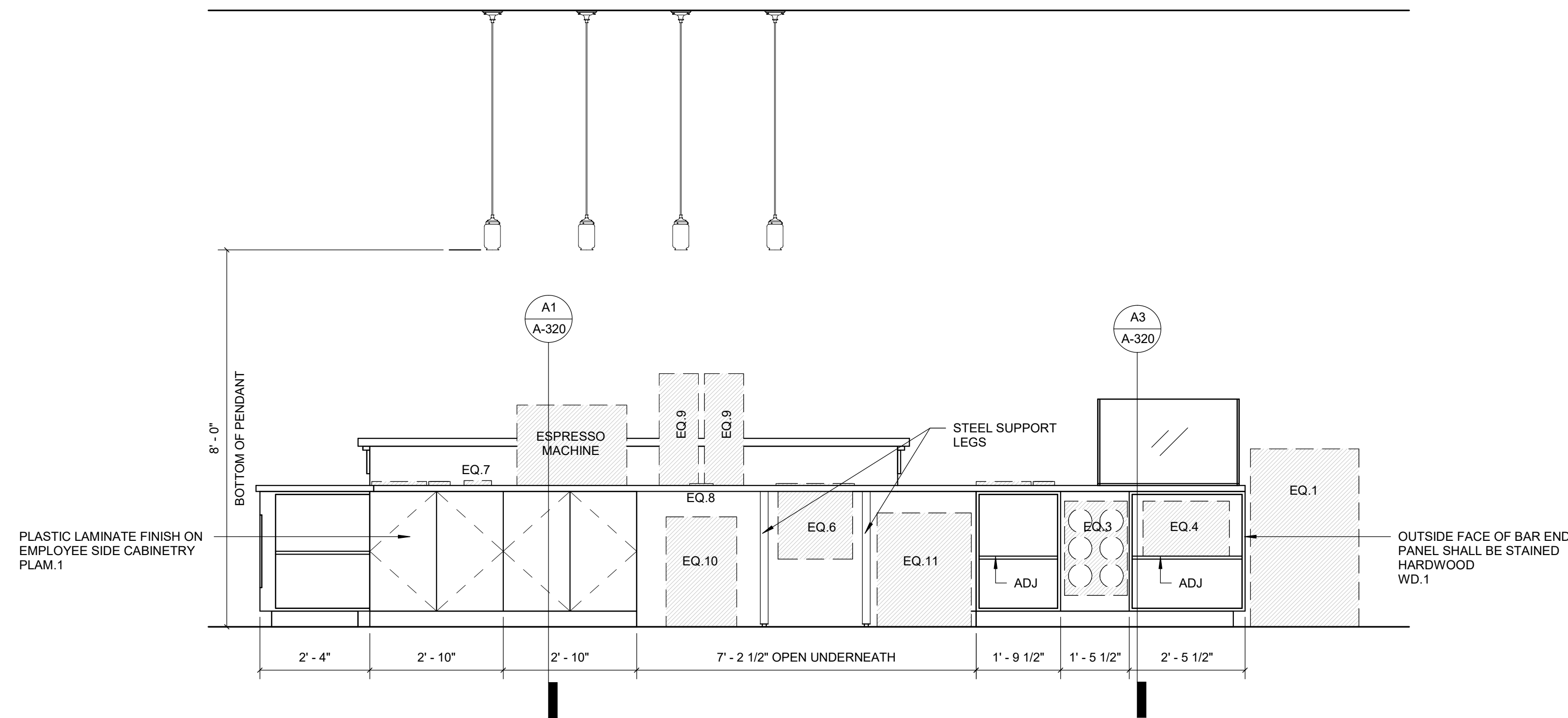
A-102

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D5 DINING SOUTH

SCALE: 1/2" = 1'-0"

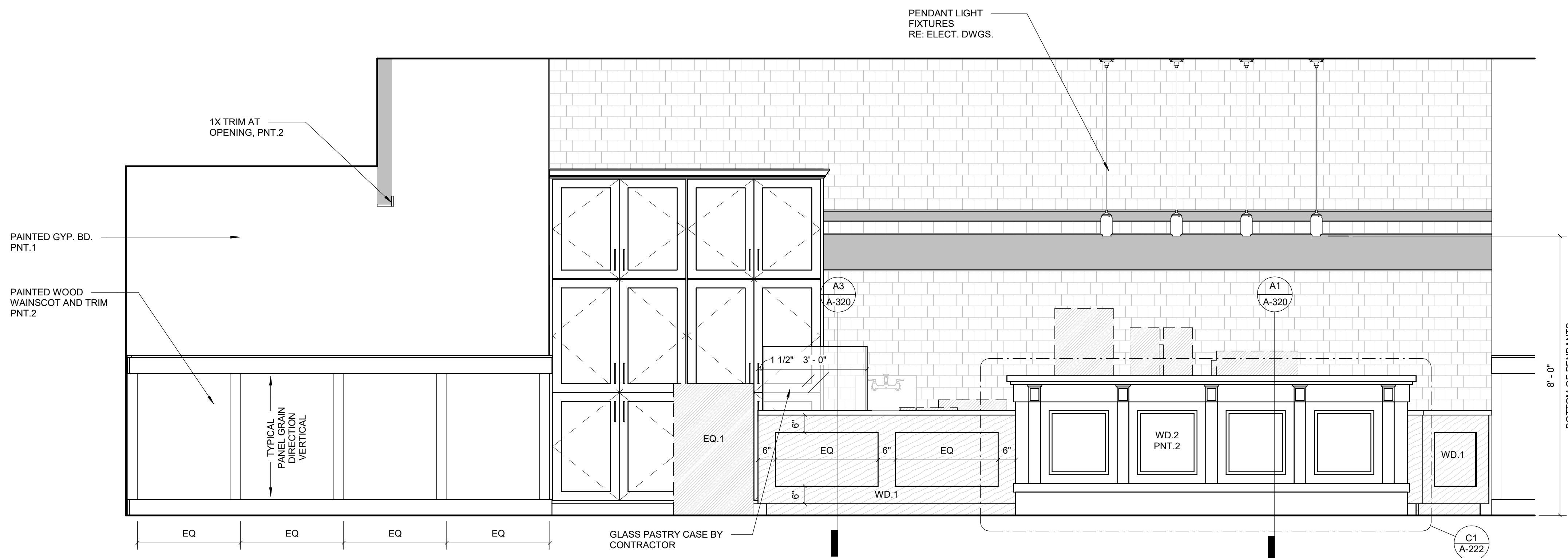


C5 BAR - FRONT, INSIDE

SCALE: 1/2" = 1'-0"

C1 BAR - SHORT END, INSIDE

SCALE: 1/2" = 1'-0"

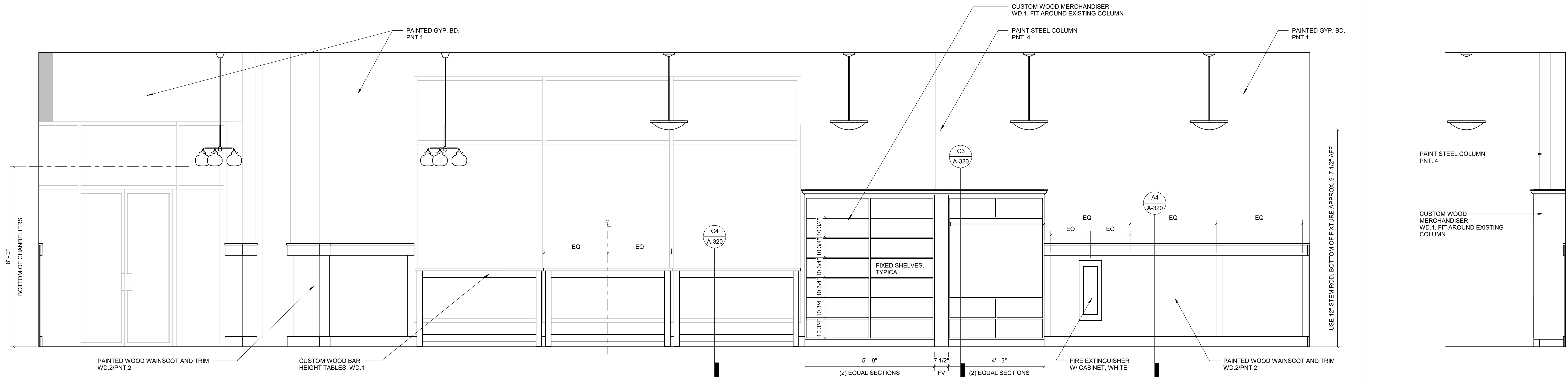


A5 BAR - FRONT, OUTSIDE

SCALE: 1/2" = 1'-0"

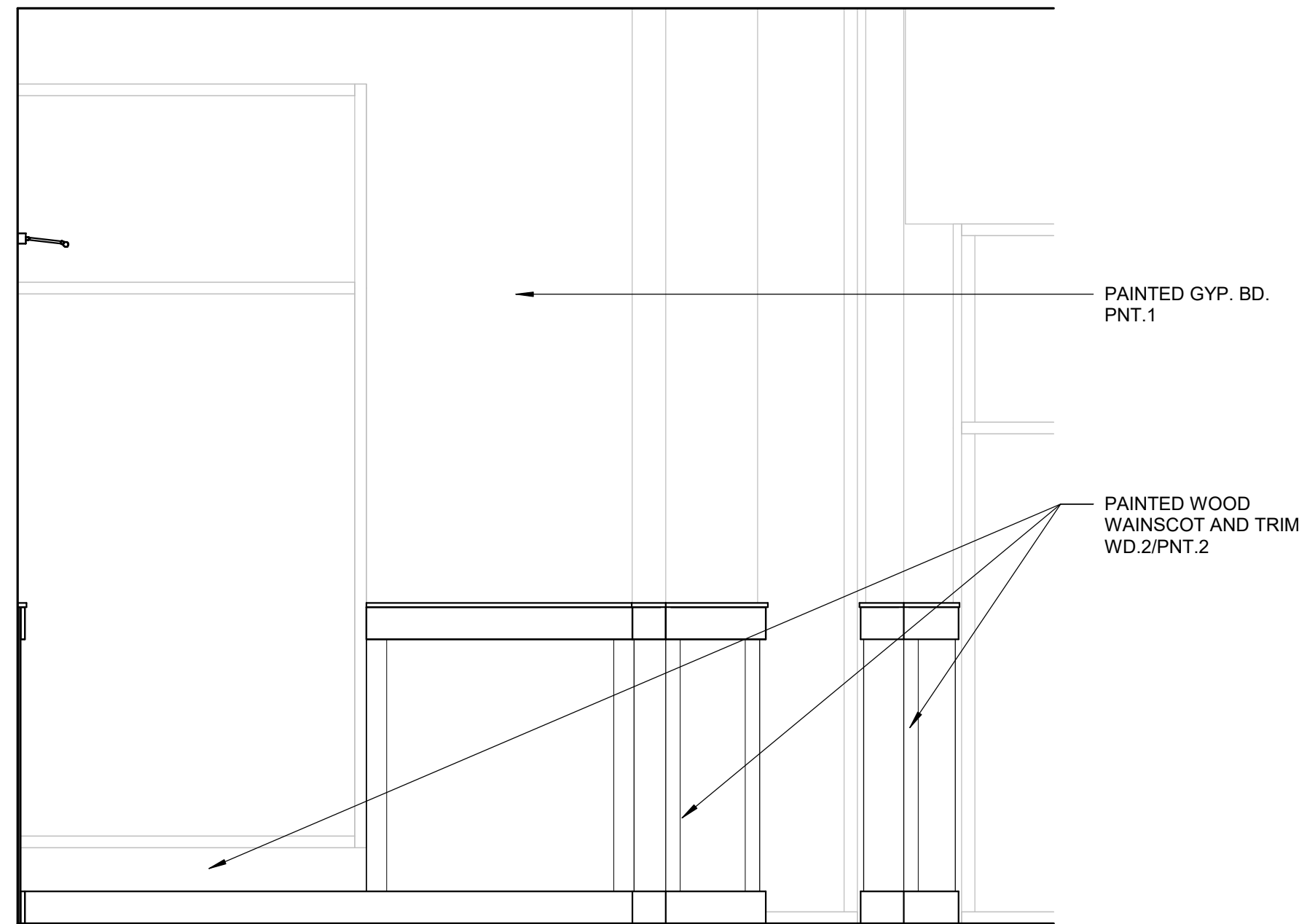
A1 BAR - SHORT END, OUTSIDE

SCALE: 1/2" = 1'-0"

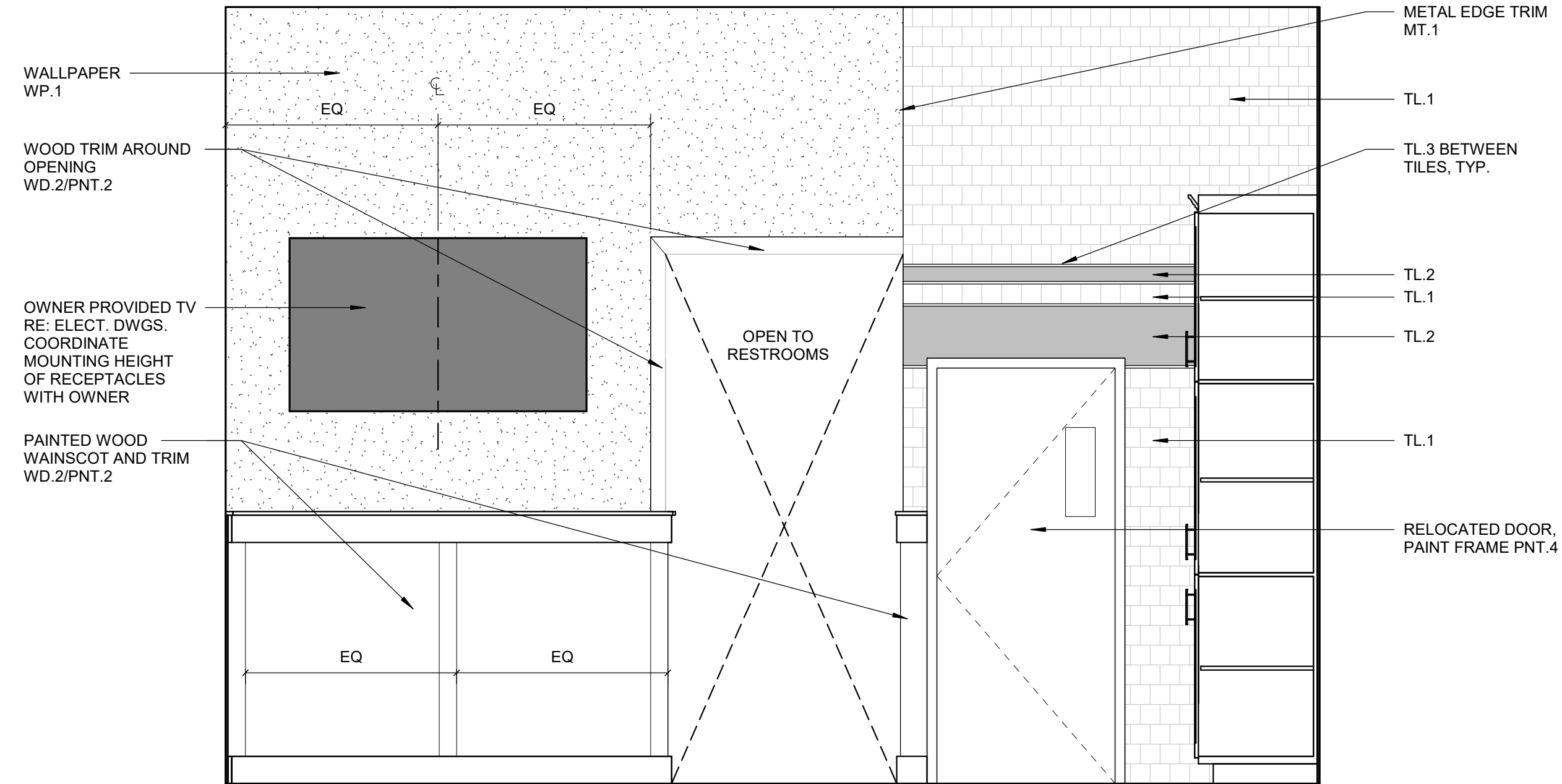


D5 DINING NORTH
SCALE: 1/2" = 1'-0"

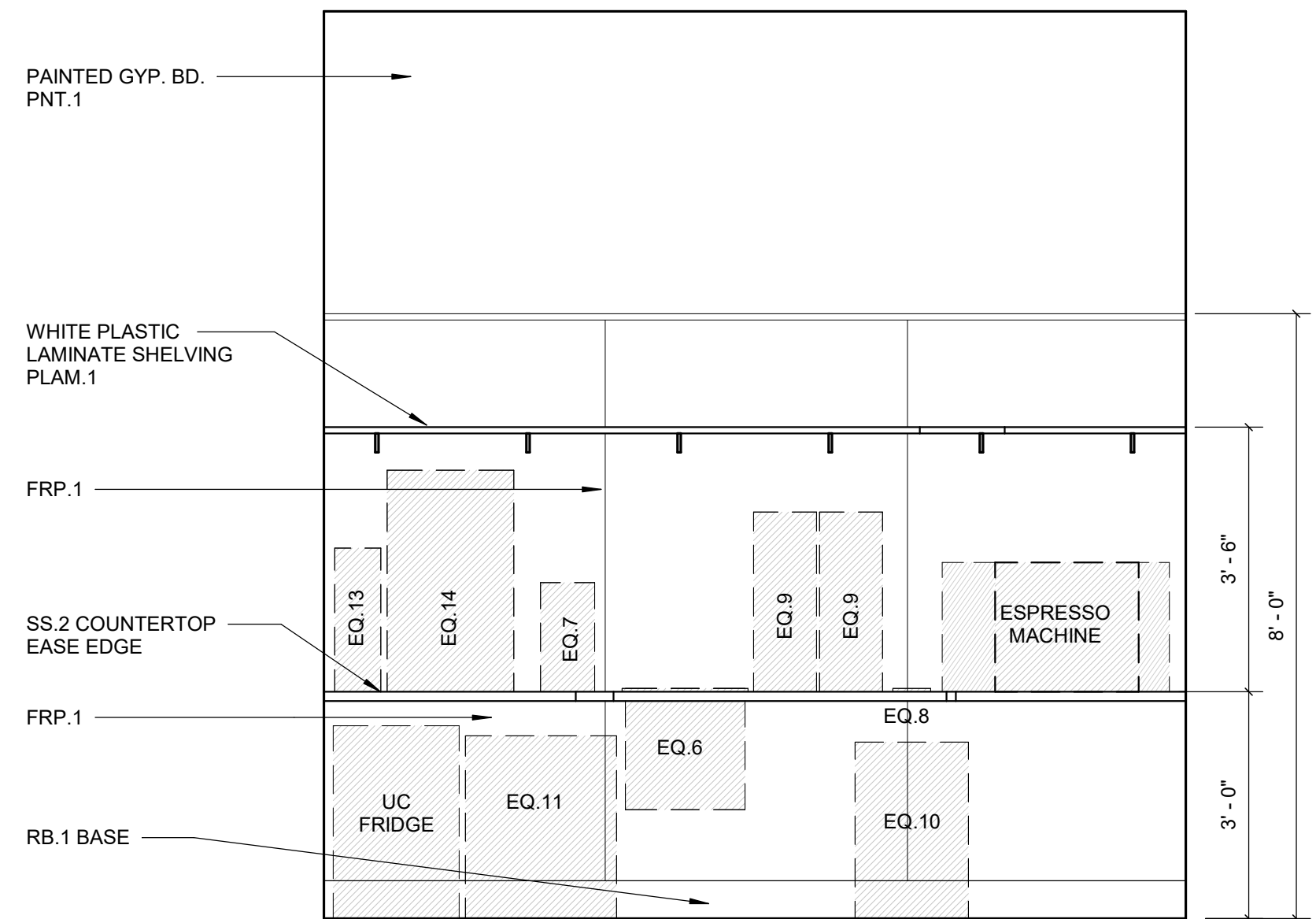
D1 MERCHANDISER END
SCALE: 1/2" = 1'-0"



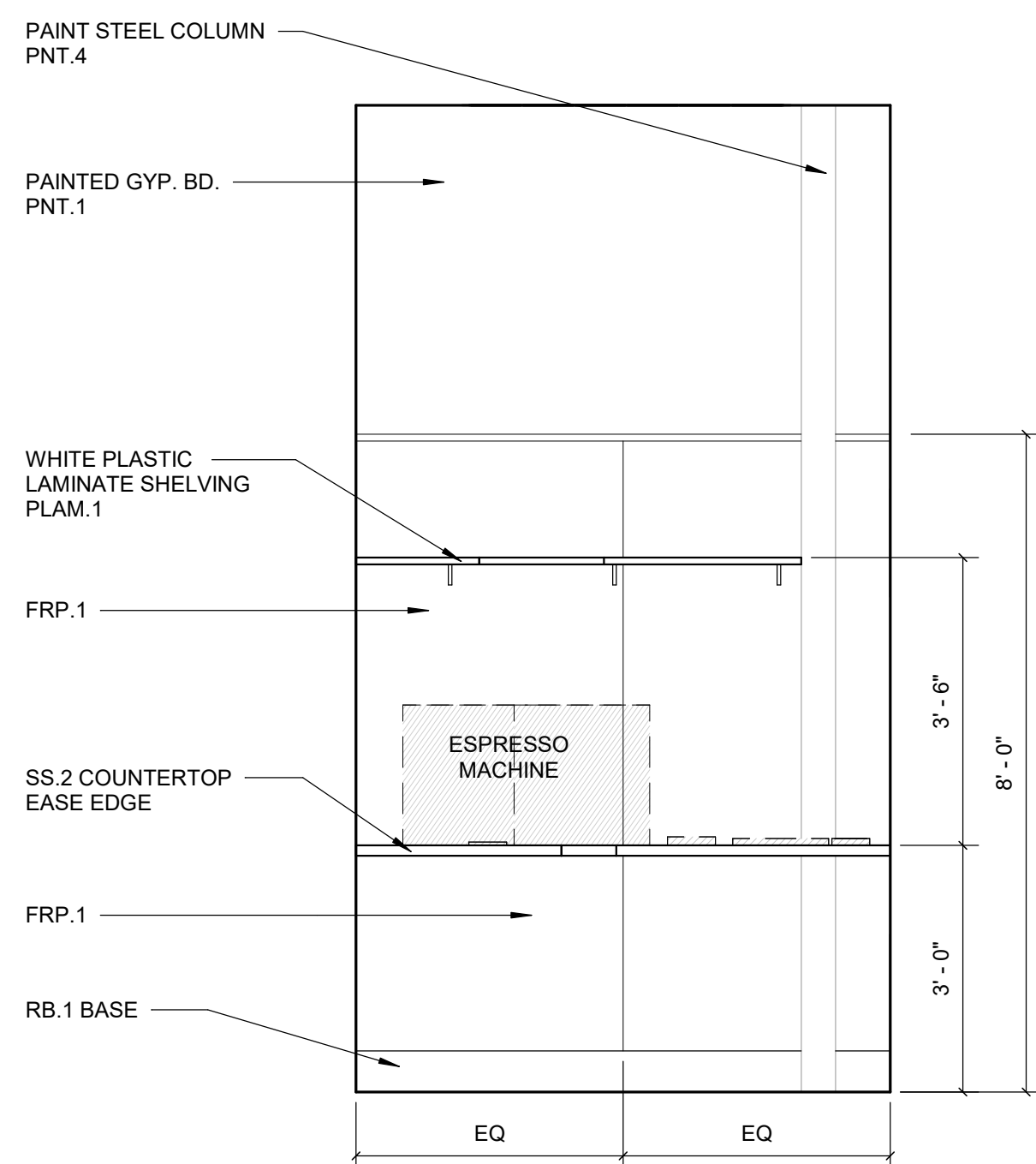
C5 DINING WEST
SCALE: 1/2" = 1'-0"



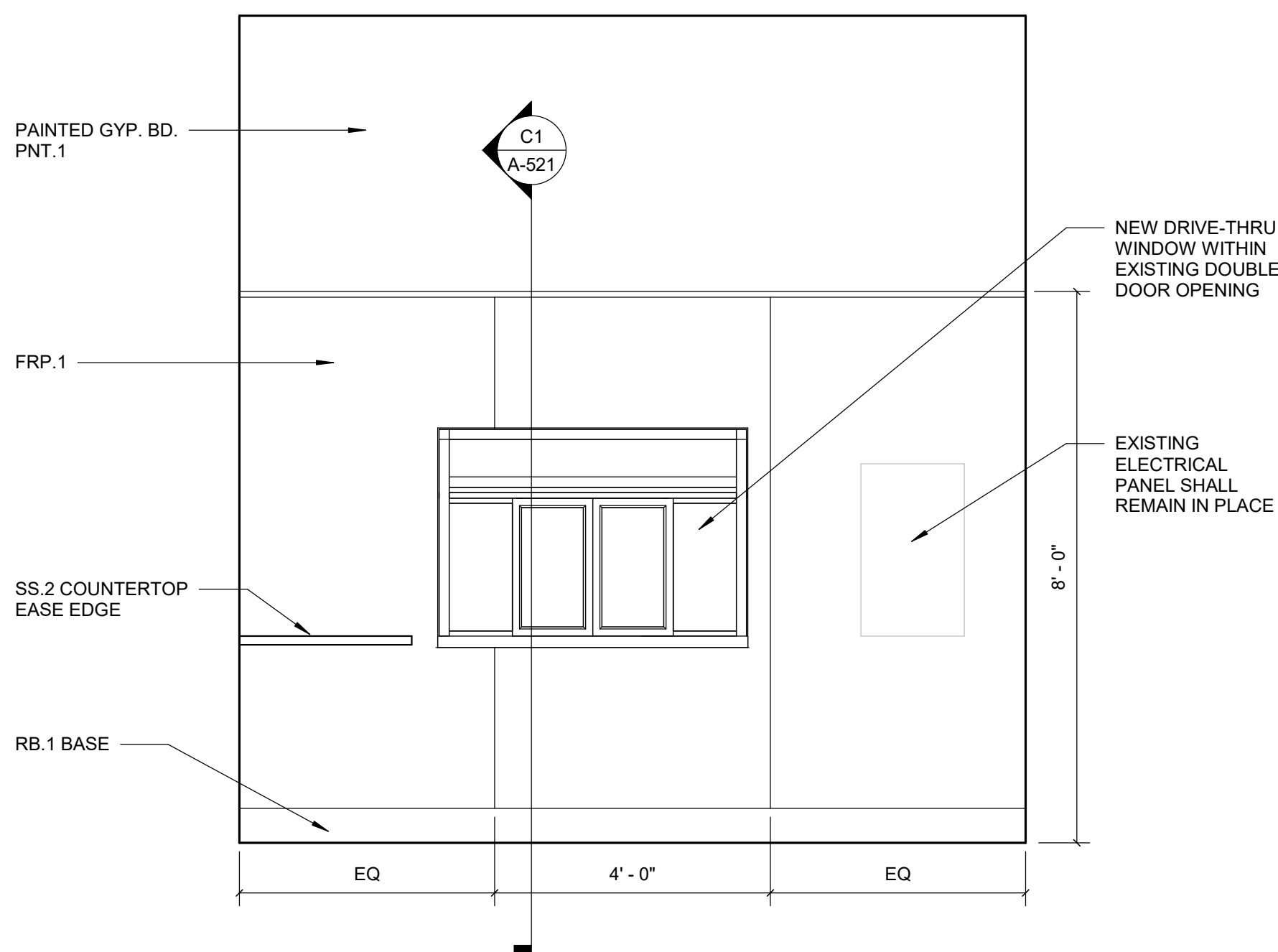
C3 DINING EAST
SCALE: 1/2" = 1'-0"



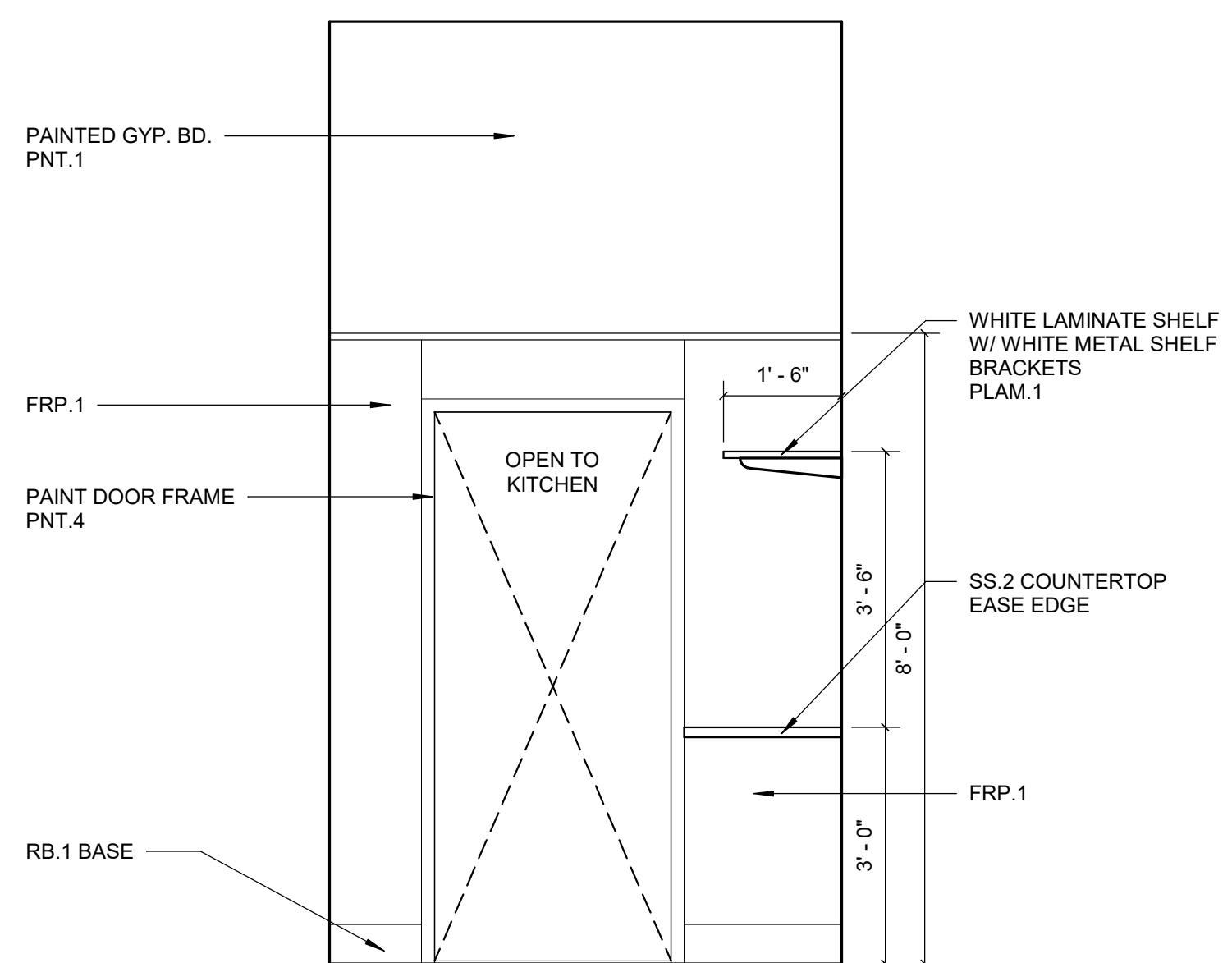
C1 DRIVE-THRU WEST
SCALE: 1/2" = 1'-0"



A5 DRIVE-THRU NORTH
SCALE: 1/2" = 1'-0"



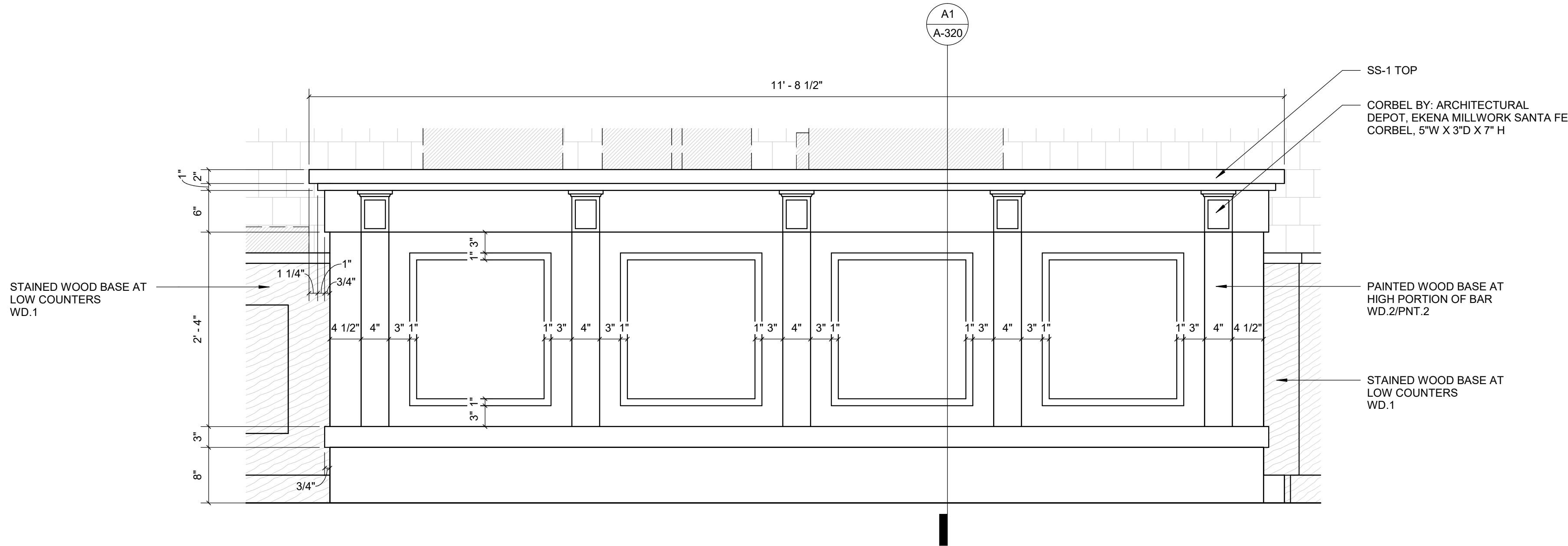
A3 DRIVE-THRU EAST
SCALE: 1/2" = 1'-0"



A1 DRIVE-THRU SOUTH
SCALE: 1/2" = 1'-0"

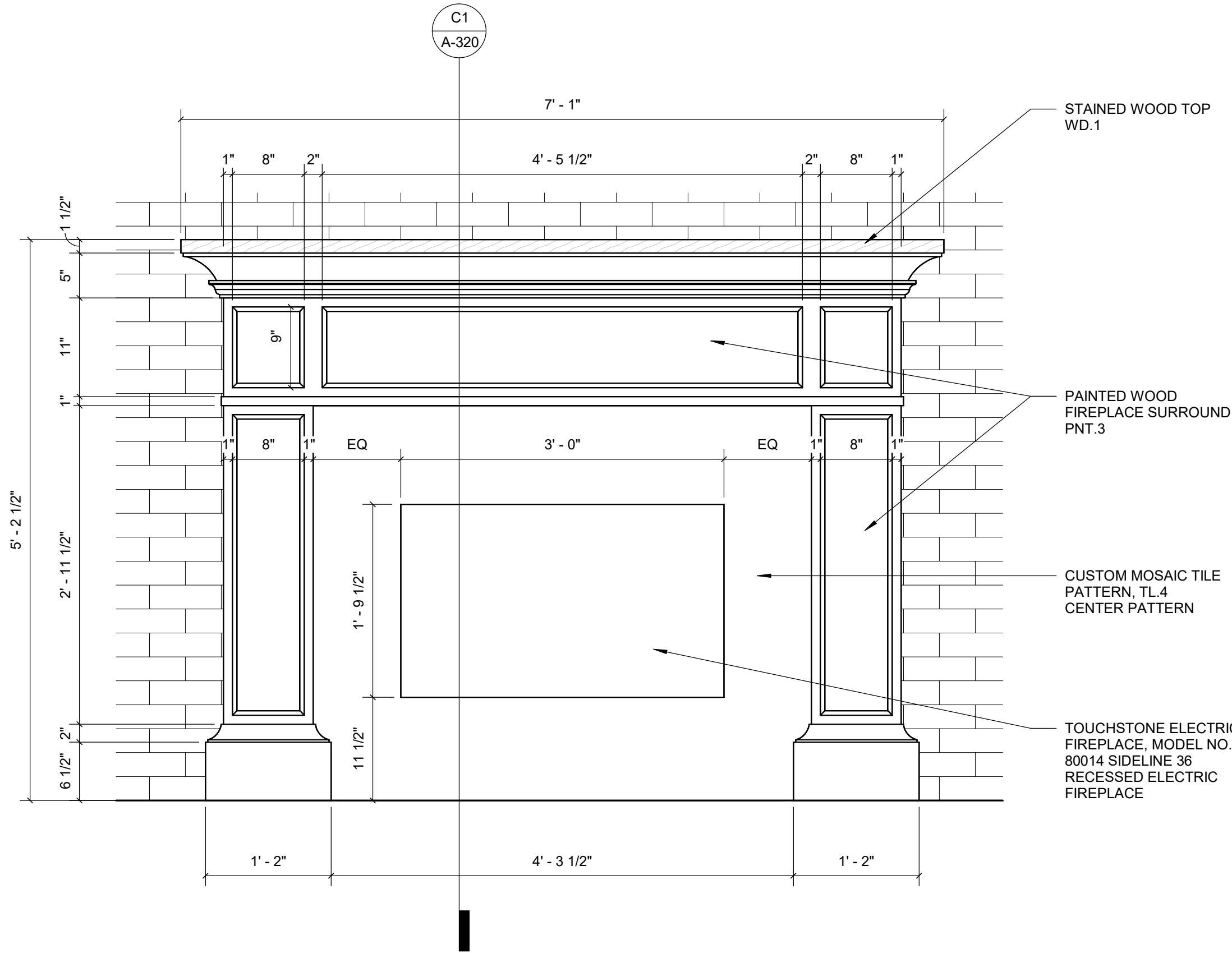
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C
B
A

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C1 COFFEE BAR FRONT

SCALE: 1" = 1'-0"



A1 ENLARGED FIREPLACE

SCALE: 1" = 1'-0"



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INTERIOR
ELEVATIONS

A-222

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MEP ENGINEER

CIVIL ENGINEER

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INTERIOR SECTIONS

A-320

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FIRE SAFE INSULATION

METAL DECK. SEE STRUCT. FOR SIZING.

3" DEEP LEG RUNNER TRACK - DO NOT ATTACH STUDS OR GYP BD TO RUNNER TRACK TO ALLOW FOR 1/4" MIN. DEFLECTION

MTL. PLATE SPANNING MTL. DECK FLUTES

FIRE SEALANT EACH SIDE. TYP. & RATED PARTITION ONLY.

DO NOT ATTACH STUDS TO TRACK

RE: PARTITION TYPES.

MTL. STUD / DECK ATTACH. PARALLEL

1

1' - 8"

1 1/2"

3 1/2"

1"

3"

1' - 0"

3"

3' - 6"

3 1/2"

3"

CUSTOM WOOD
BAR TABLES
WD.1

PROVIDE
LEVELING FEET
ALL ON LEGS

C4 BAR TABLE

1

1'-5"

CROWN WD.1

4 3/4"

10"

FIXED

b

3'-7"

MATTE BLACK METAL CLOTHES ROD

7'-0"

CUSTOM MERCHANDISER
AWI CUSTOM GRADE
WD.1

10 3/4"

FIXED

11 1/2"

FIXED

4"

REFER TO A-600 FOR
GENERAL CASEWORK
REQUIREMENTS,
INCLUDING HARDWARE

C3 MERCHANDISER

SCALE: 1" = 1'-0"

2

2' - 0"

CROWN WD.1

3 3/4"

SHAKER STYLE CABINETRY
AWI CUSTOM GRADE WD.1

2' - 9 5/8"

ADJ

FIXED

3' - 3"

REFER TO A-600 FOR
GENERAL CASEWORK
REQUIREMENTS,
INCLUDING HARDWARE

9' - 11"

ADJ

FIXED

ADJ

5' - 1 1/8"

4"

1 1/2"

3"

C2 STORAGE CABINET
SCALE: 1" = 1'-0"

2

1' - 0"

6"

1 1/2"

5"

9"

2"

5' - 2 1/2"

2' - 11 1/2"

6 1/2"

5 1/2"

2 1/2"

STAINED WOOD TOP
WD.1

CUSTOM WOOD
FIREPLACE SURROUND
PNT.3

ELECTRIC FIREPLACE
TOUCHSTONE MODEL NO.
80014, 32-3/4"W X 20-1/2"H
5-3/4" D ROUGH OPENING

C1 FIREPLACE

SCALE: 1" = 1'-0"

1 1/2"

14"

1X2 TRIM, WD.2/PNT.2

5 1/2"

1X6 TRIM, WD.2/PNT.2

ALIGN ALL PANEL SEAMS W/
VERTICAL 1X4 HARDWOOD STILES AS
SHOWN ON ELEVATION, TYP.

1/2" PAINT GRADE WOOD PANELING
ALL WAINSCOT ELEMENTS TO BE
ATTACHED W/ COMMERCIAL
GRADE CONSTRUCTION
ADHESIVE AND FINISHING
SCREWS. BRACE TO STRUCTURE
AS REQUIRED, PUTTY ALL
SEAMS, IMPERFECTIONS, AND
SCREW HOLES. SAND SMOOTH &
PRIME TO PREP FOR PAINT AS
SCHEDULED, TYP.
WD.2/PNT.2

3' - 7"

4' - 7"

5 1/2"

1X6 BASE, WD.2/PNT.2

A4 TYPICAL WALL PANELING

3'-0"

8 1/2" 1'-8"

1'-10"

6"

3'-0"

6"

4"

3" 4"

CLEAR GLASS PASTRY CASE
SET IN STAINLESS STEEL U-CHANNEL
PROVIDE STAINLESS STEEL CORNER
TRIM AT OUTSIDE CORNERS

SS.1 COUNTERTOP
EASE EDGES

ADJUSTABLE SHELF

BASE CABINET FINISH ON EMPLOYEE
SIDE PLASTIC LAMINATE
PLAM.1

WD.1 FINISH ON
CUSTOMER SIDE

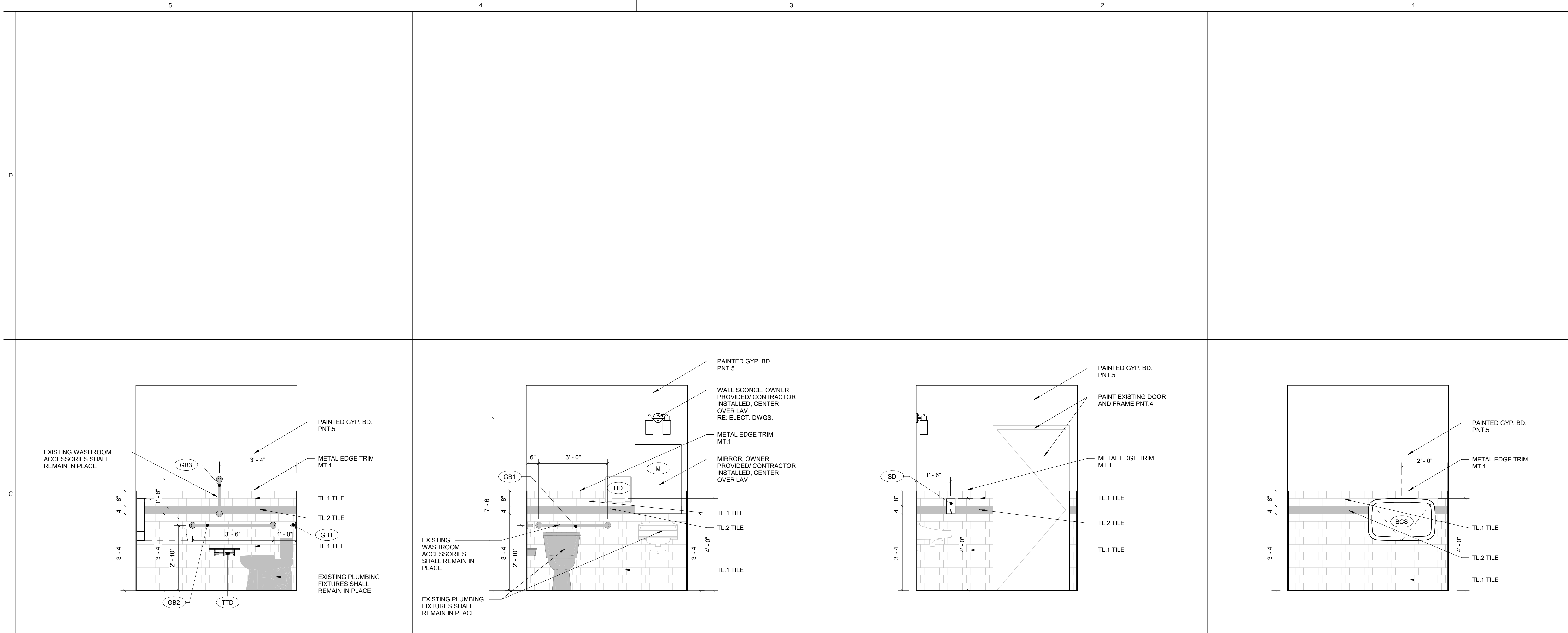
LED TAPE LIGHT AT
TOE KICK
RE: ELECT. DWGS.

A3 COFFEE BAR LOW
SCALE: 1" = 1'-0"

[illegible]

A1 COFFEE BAR HIGH
SCALE: 1" = 1'-0"

SCALE: 1" = 1'-0"



KEYNOTES

Y

YAEGER

ARCHITECTURE

STATE OF MISSOURI

DARL JOSEPH YAEGER

ARCHITECT

REGISTERED PROFESSIONAL

2/16/23

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A5 RESTROOM ENTRANCE
SCALE: 1/2" = 1'-0"

A1 ENLARGED RESTROOM PLAN
SCALE: 1/2" = 1'-0"

RESTROOM ACCESSORY ITEMS

- GB1 36" GRAB BAR - REUSE EXISTING
- GB2 42" GRAB BAR - REUSE EXISTING
- GB3 18" GRAB BAR - REUSE EXISTING
- M MIRROR - OF/CI
- HD HAND DRYER - REUSE EXISTING
- SD SOAP DISPENSER - REUSE EXISTING
- TTD TOILET TISSUE DISPENSER - REUSE EXISTING
- BCS BABY CHANGING STATION - REUSE EXISTING

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699 NW BLUE PARKWAY
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Summer Moon

COFFEE

PROJECT NO: 22056

DATE: 2023-02-17

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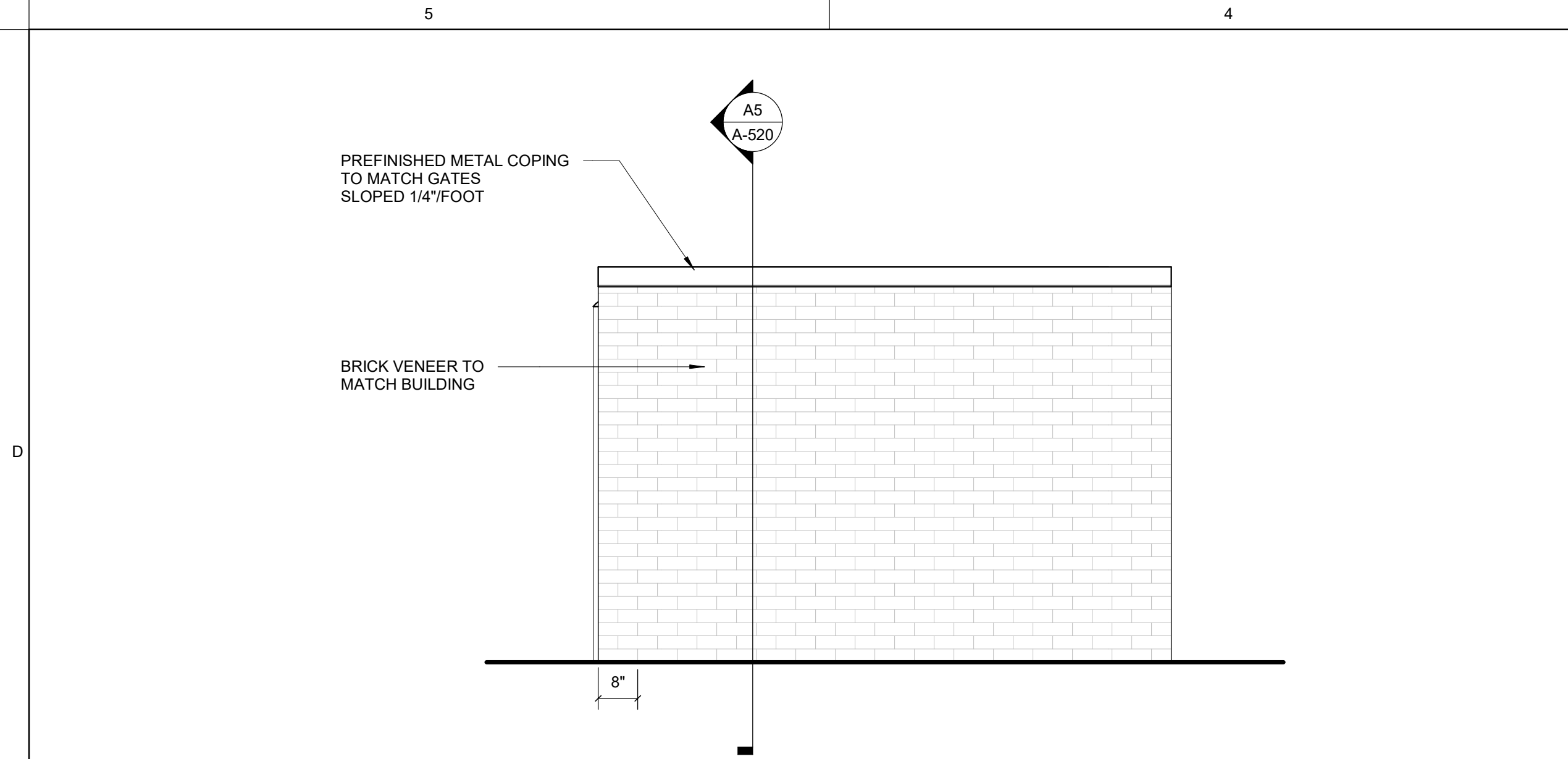
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ENLARGED FLOOR PLANS

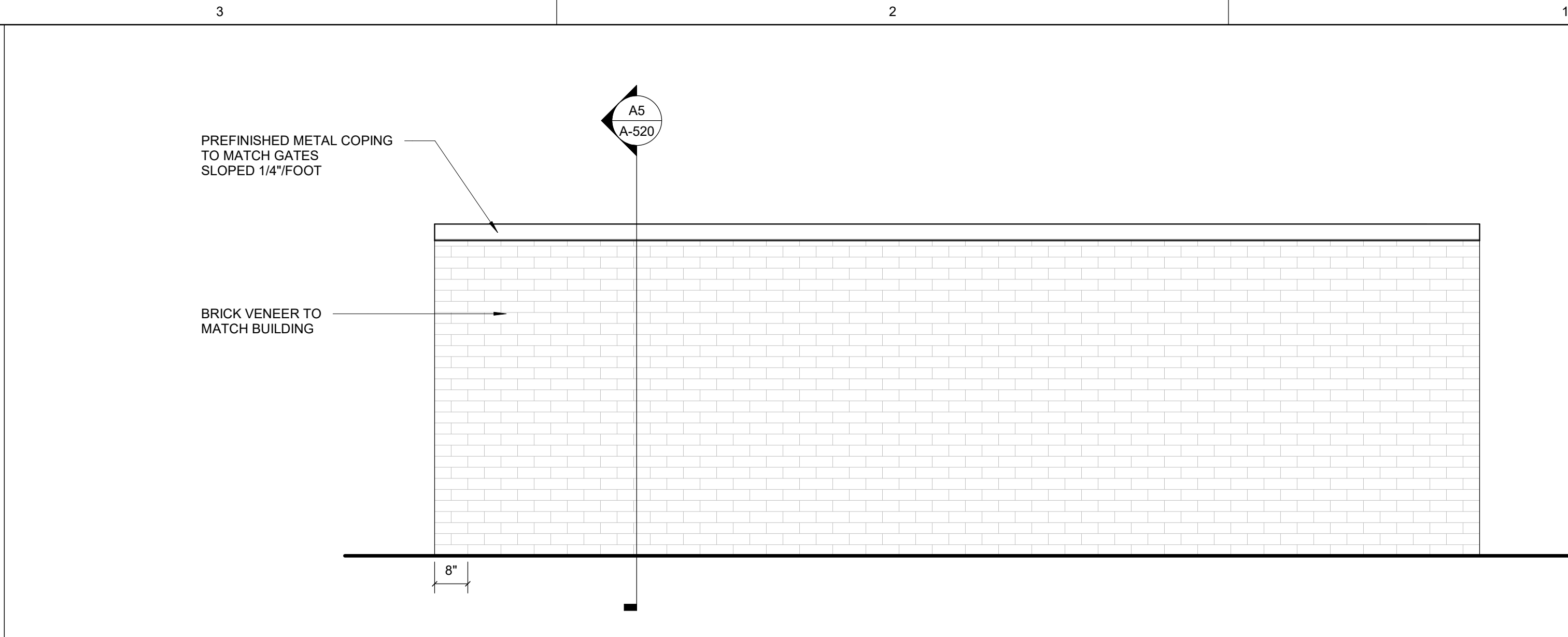
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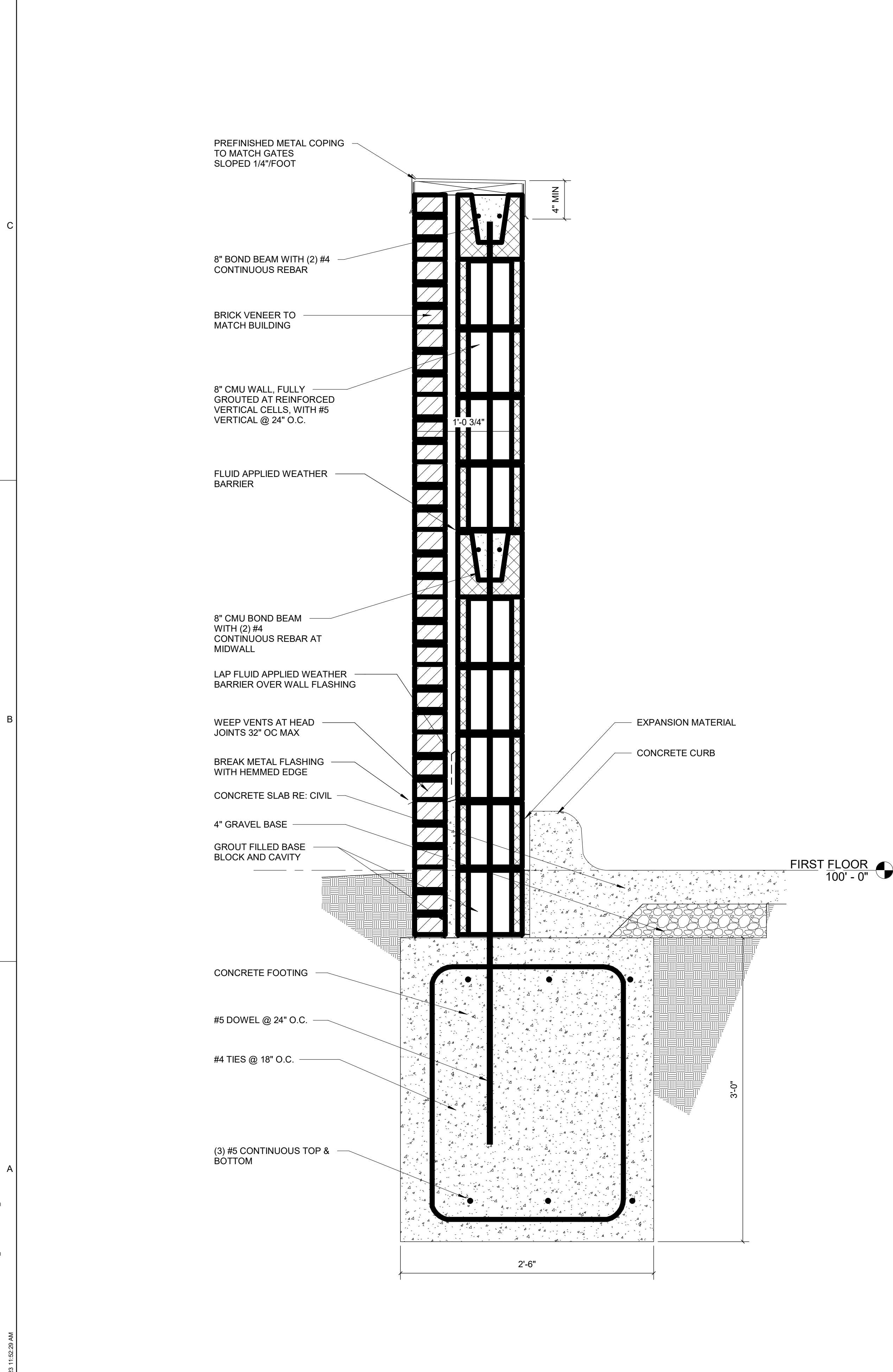
D5 TRASH ENCLOSURE SOUTH

SCALE: 1/2" = 1'-0"



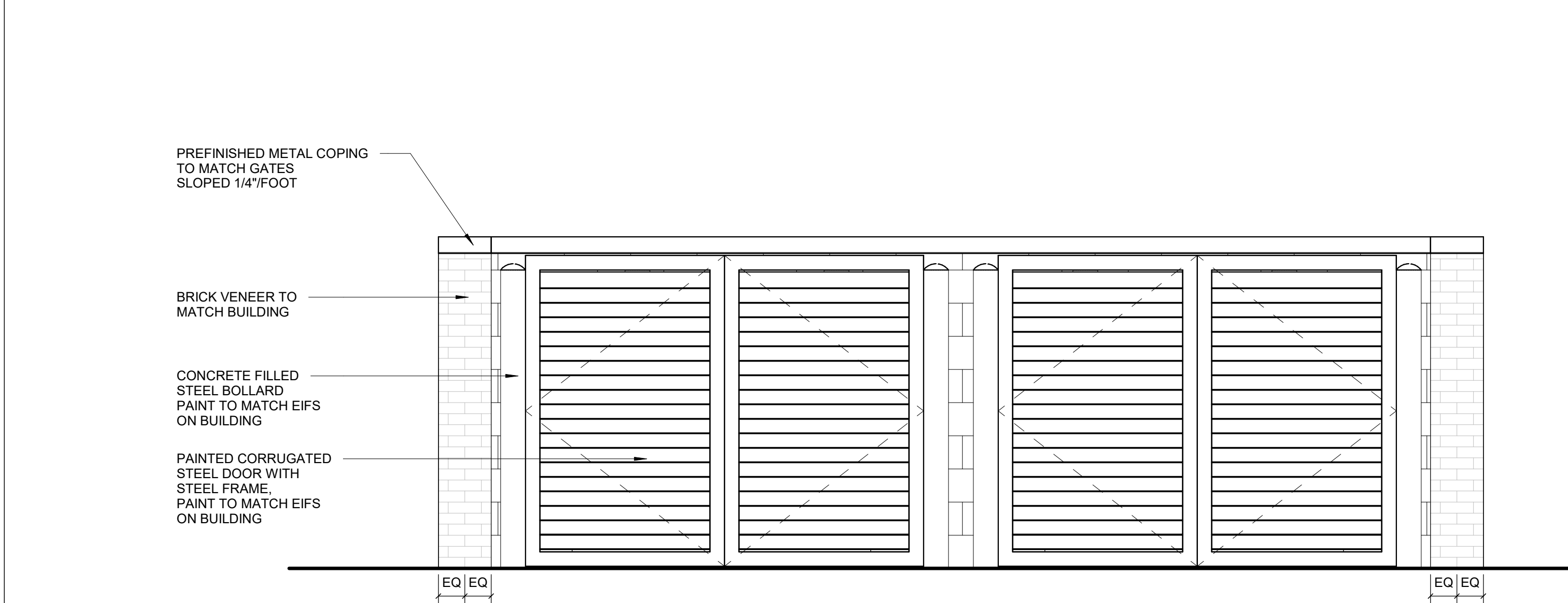
D1 TRASH ENCLOSURE EAST

SCALE: 1/2" = 1'-0"



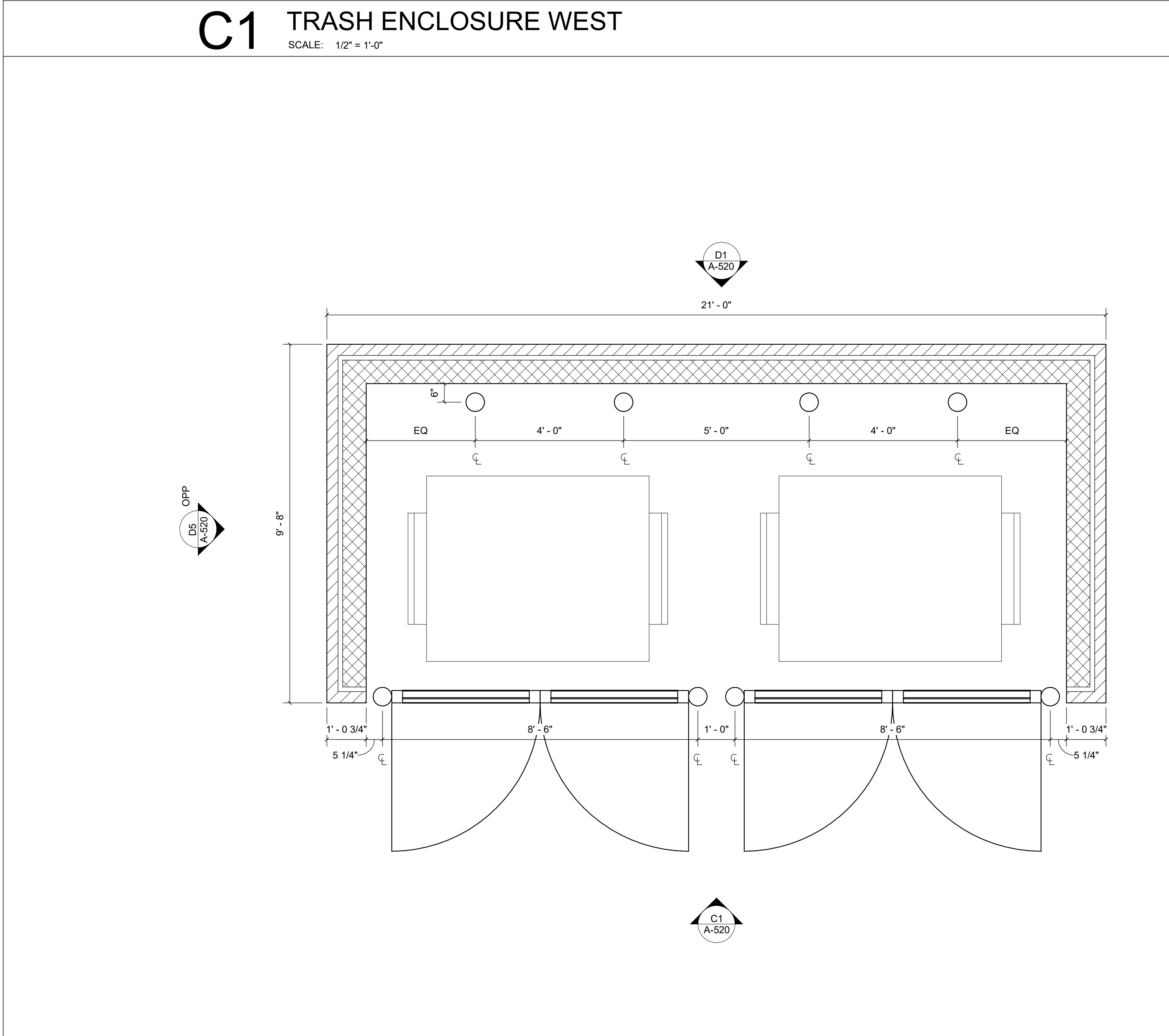
A5 TRASH ENCLOSURE SECTION

SCALE: 1 1/2" = 1'-0"



C1 TRASH ENCLOSURE WEST

SCALE: 1/2" = 1'-0"



A1 TRASH ENCLOSURE PLAN

SCALE: 1/2" = 1'-0"

KEYNOTES



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EXTERIOR DETAILS



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Summer
Moon
COFFEE

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EXTERIOR DETAILS

A-521

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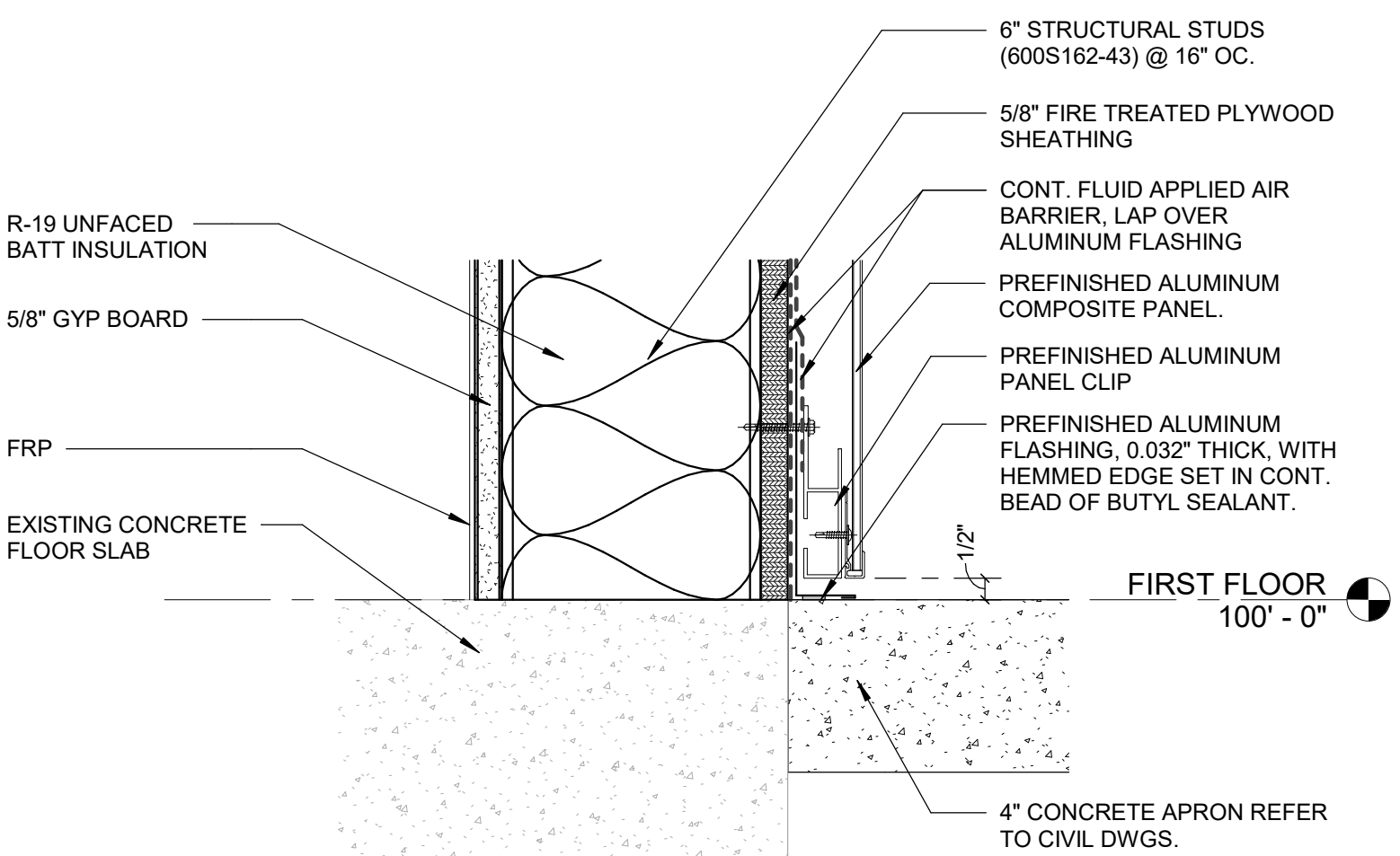
A detailed cross-sectional diagram of a window assembly. The diagram shows a vertical window unit with a textured interior pane and a solid exterior pane. Key components and labels include:

- Top Section:** A grey rectangular area above the window frame.
- Window Frame:** Labeled with a circle containing "D2" and "A-521".
- Drive-Thru Window:** A label pointing to the top of the window frame with the text "NEW AUTOMATIC DRIVE-THRU WINDOW".
- Sill:** Labeled "SS 2 SILL" pointing to the horizontal base of the window frame.
- Reveal Joints:** Labeled "1/2\" REVEAL JOINTS FILLED WITH SILICONE CAULK JOINTS PER MFRS RECOMMENDATIONS." pointing to the gap between the window frame and the sill.
- Concrete Curb and Apron:** Labeled "CONCRETE CURB AND APRON REFER TO CIVIL DWGS." pointing to the base of the assembly.
- Bottom Section:** Labeled with a circle containing "C2" and "A-521".
- Dimensions:**
 - "2' - 10 1/4\" RO" (Radius of Outside) on the left side.
 - "3' - 0\" (Radius of Inside) on the left side.

R-19 UNFACED BATT INSULATION
 6" METAL STUD HEADER
 5/8" GYP BOARD
 FRP
 2X FIRE TREATED WOOD BLOCKING
 MUD ON J-BEAD
 PREFINISHED ALUMINUM BRAKE METAL TRIM, EXTEND BRAKE METAL BEHIND DRIVE THRU WINDOW AND GYP BD.

EXISTING METAL STUD WALL WITH EIFS
 SEALANT AND BACKER ROD
 PREFINISHED ALUMINUM BRAKE METAL TRIM WITH HEMMED EDGE, EXTEND BRAKE METAL BEHIND PANEL CLIP
 SILICONE SEALANT
 6" STRUCTURAL STUDS (600S162-43) @ 16" OC.
 5/8" FIRE TREATED PLYWOOD SHEATHING
 CONT. FLUID APPLIED AIR BARRIER, LAP OVER ALUMINUM FLASHING
 PREFINISHED ALUMINUM COMPOSITE PANEL
 PREFINISHED ALUMINUM PANEL CLIP
 PREFINISHED ALUMINUM FLASHING, 0.032" THICK, WITH HEMMED EDGE SET IN CONT. BEAD OF BUTYL SEALANT.
 NEW AUTOMATIC DRIVE-THRU WINDOW
 MULLION MOUNTING STRIP PROVIDED BY MFR.

DZ SCALE: 3" = 1'-0"



OWNER PROVIDED/CONTRACTOR INSTALLED MENU BOARD
BASIS OF DESIGN: THE HOWARD COMPANY, DT FLEX, FLX-3-SSS
CONFIRM WITH OWNER FINAL MENU BOARD SELECTION

CONTRACTOR MUST FOLLOW ALL WRITTEN MANUFACTURER INSTALLATION INSTRUCTIONS.

GRADE

2'-0" DIAMETER

5'-3"

3" CLEAR TYPE

ANCHOR BOLTS AND LEVELING NUTS PER MANUFACTURER'S RECOMMENDATION

ELECTRICAL INFEED RE. ELECT. DWGS.

TS 5" X 5" X 3/16"
ASTM A-500 GR B

(4) #4 REBAR X 2'-3" L.G.
EQUALLY SPACED ON 18"
CIRCLE W/ (8) #3 TIES:
TOP (3) IN 1ST 5", (2) ON
6" CENTERS, (3) ON 12"
CENTERS

2'-0" DIAMETER
CONCRETE BY GC

D

C

B

A

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SHEET SIZE: ARCH E1 30" x 42"

WHERE TRASH ENCLOSURE WALLS HAVE BEEN REMOVED, ———
PATCH WALL WITH CAST STONE WAINSCOT TO MATCH EXISTING.
INSTALL METAL FLASHING BETWEEN EIFS AND CAST STONE TO
MATCH ADJACENT CONSTRUCTION

CONTRACTOR SHALL PATCH AND REPAIR EIFS PANEL AS SHOWN WITH DIAGONAL HATCH PATTERN. MATCH EXISTING FINISH AND COLOR.

WHERE TRASH ENCLOSURE WALLS HAVE BEEN REMOVED,
PATCH WALL WITH CAST STONE WAINSCOT TO MATCH EXISTING.
INSTALL METAL FLASHING BETWEEN EIFS AND CAST STONE TO
MATCH ADJACENT CONSTRUCTION

NEW LIGHT FIXTURE, MATCH MOUNTING
HEIGHT OF EXISTING FIXTURE TO REMAIN
RE: ELECT. DWGS.

EXISTING LIGHT FIXTURE TO REMAIN

DASHED LINE INDICATES EXISTING
HOLLOW METAL DOOR AND FRAME
TO BE REMOVED.

1/2" REVEAL JOINTS FILLED WITH SILICONE CAULK JOINTS PER MFRS RECOMMENDATIONS.

NEW DRIVE-THRU WINDOW WITHIN
EXISTING OPENING,
BASIS OF DESIGN SHALL BE READY
ACCESS BUMP OUT 10 (BO10) DRIVE-
THRU WINDOW, FULLY AUTOMATIC
ELECTRIC OPTION,
DARK BRONZE FRAME

PREFINISHED ALUMINUM COMPOSITE PANELS,
BASIS OF DESIGN, OMEGA-LITE CLIP AND
CAULK SYSTEM, FINISH TO BE SELECTED BY
ARCH FROM MANUFACTURER'S FULL RANGE
OF STANDARD COLOR OPTIONS

SCALE: 1/2" = 1'-0"

5

4

3

2

1

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D1 CASEWORK SPECS

GENERAL FINISH NOTES

1. INSTALL ALL FINISH MATERIALS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PAINT HOLLOW METAL DOOR FRAMES PNT.4, UNLESS NOTED OTHERWISE.
3. ALL CASEWORK SHALL BE AWI CUSTOM GRADE OR HIGHER.

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ELECTRICAL SPECIFICATIONS

SECTION 26000 - ELECTRICAL

1. GENERAL ELECTRICAL REQUIREMENTS

A. Refer to GENERAL MECHANICAL, ELECTRICAL & PLUMBING requirements.
B. Wiring of Mechanical Equipment

1) Provide all raceways & power wiring for all division 23 equipment requiring electrical connections, including, but not limited to, pumps, water heaters, & HVAC equipment, & all line voltage control & interlock wiring not provided under division 23. Connect per manufacturers' wiring diagrams. Coordinate with division 23 for disconnects furnished w/ equipment, & provide all disconnect switches as required. After installing wiring, verify that each motor load has correct phase rotation.

2) Verify actual "maximum overcurrent protection" (MOP) device ratings & "minimum circuit ampacity" (MCA) conductor sizing for mechanical equipment from equipment nameplate. Base electrical installations on actual required ampages, which may vary somewhat from conducter & equipment sizes shown on drawings; however, in no case, reduce size of conductors indicated on drawings without authorization from engineer. Provide properly sized electrical wiring & equipment without extra cost to owner. Notify engineer of all changes required in electrical installation due to equipment variances so that effects on feeders, branch circuits, panelboards, fuses & circuit breakers can be checked prior to purchasing & installation. Be responsible for coordinating w/ division 23 to verify actual ampacities & correct sizes of all conductors & overcurrent protective devices for all equipment, & correct overload heaters for all motors, when starters are provided under division 26.

C. Wiring of Thermostats, Time, & Temperature Controls

1) Provide all raceways, power wiring, & line-voltage control and interlock wiring not provided under division 23, for all thermostats, temperature control devices, & controls, including, but not limited to, night-stats, water heater interlocks, line switches & override timers. See mechanical drawings for locations & temperature control diagrams. Low-voltage conductors for thermostats & temperature control system may be run exposed above finished accessible ceilings, if approved & listed for this purpose, but shall be installed in conduit within walls & where exposed in work areas.

2. CONDUIT & CONDUCTORS

A. Follow circulating shown on plans. Use no conduit smaller than 3/4" & no conductors smaller than #12 ga. Unless noted otherwise.

B. Conductors #10 and smaller shall be solid.

C. If no conductor size is indicated on drawings for branch circuit, provide conductors & conduit sized per NFPA 70 & based on indicated branch circuit overcurrent protective device (OCPD) rating & number of poles.

D. Wire shall be in non-flexible metallic conduit (EMT, IMC or RMC) for:

- 1) All circuits & feeders greater than 30A.
- 2) Kitchen circuits.
- 3) Home runs.

E. MC cable acceptable for branch convenience circuits & lighting circuits. Do not drop chain light fixtures. Provide cable whips of sufficient lengths to allow for relocating each light fixture within 5-foot radius of its installed location, but not exceeding 15 feet in unsupported lengths.

1) Do not use MC cable for following: homeruns to panelboards, where exposed to view or damage, hazardous locations, in concrete, block walls or wet locations, & when disallowed by local AHJ or landlord.
2) Provide health care rated MC for patient care areas (as defined by the NEC) when not in conduit.

F. Lighting & receptacle circuit conductors shall be copper THHN-THWN-2 600 volt, 75 deg c, color coded as described under applicable codes. No romex, plastic flex tubing etc permitted. Light fixture wire insulation shall have temp rating not less than individual fixture manufacturers recommended rating.

G. Circuits w/ no. 8 or larger conductors, motor circuits, power & feeder circuits & building service feeders shall be copper THHN-THWN-2 600 volt, 75 deg c.
H. All materials used to terminate, splice or tap conductors designed for, properly sized for, & UL listed for specific application & conductors involved, & installed in strict accordance w/ manufacturer's recommendations, using the manufacturer's recommended loads.

I. Where wiring is indicated as installed, but connection is indicated "future" or "by other division, trades, or contractors", leave minimum 3-foot "pigtail" at box, tap ends of conductors, & cover box.

J. Number of conductors in specific raceway "home run" is indicated w/ cross lines (tick marks) on each "circuit run" on drawings. In general, direction of branch circuit "home run" routing is indicated on drawings; complete w/ circuit numbers & panelboard designation. Continue all such "home run" wiring to designated panelboard; as though "circuit runs" were indicated in their entirety.

K. Wiring shall have insulation of proper color to match NEC color code. In larger sizes, where properly colored insulation is not available, use vinyl plastic electrical tape of appropriate color around each conductor at all termination points, junction & pull boxes.

3. GROUNDING

A. Supplement grounded neutral of secondary distribution system w/ equipment grounding system, installed so that metallic structures, enclosures, raceways, junction boxes, outlet boxes, cabinets, machine frames, portable equipment & other conductive items operate continuously at ground potential & provide low impedance path for ground fault currents.

B. System shall comply w/ national electrical code, drawings & as specified.
C. Provide equipment ground bus in base of low voltage, switchgear, bus or otherwise adequately connected by an approved method to ground rods.
D. Provide in conduit green insulated copper ground conductor to main metallic water service entrance & connect by means of adequate ground clamps.

E. Equipment grounding conductors for branch circuit home runs shown on drawings shall indicate an individual & separate ground conductor for that branch circuit which shall be terminated at branch circuit panelboard, switchboard, or other distribution equipment.

F. Provide low voltage distribution system w/ separate green insulated equipment grounding conductor for each single or three-phase feeder. Single phase 120 volt branch circuits for lighting & power shall consist of phase & neutral conductors & green ground conductor installed in common conduit which shall serve as grounding conductor.

G. Grounding conductors shall be as shown on plans or if not specifically shown shall be no smaller than that required by NEC.

4. RACEWAY INSTALLATION

A. Install all conductors & cables in raceways continuous without taps or splices. Splice or tap only in approved boxes & enclosures w/ approved side/ends connectors, or crimp connectors & terminal blocks for control wiring, & keep to minimum required. Insulate all splices, taps, & joints as required by codes.

B. Install all circular raceways concealed above suspended ceilings or concealed in walls or floors wherever possible except where otherwise indicated.

1) All conduit, junction boxes, etc. Above ceilings shall be supported from structure. Pipe sleeves, hangers & supports shall be furnished & set & contractor shall be responsible for proper & permanent locations.
2) Support all conductors & cables in vertical installations, as required by NFPA 70, by installing cable supports or plug-type conduit riser supports, or wire-mesh safety grids.

C. Conduit installed below grade shall be Schd. 80 PVC heavy wall plastic conduit meeting NEMA standards & UL listed for underground & exposed use. Provide GRS rebar bends & risers as conduits rise above grade or above floor slab.
D. Provide GRS for all conduits run exposed to weather or exposed to other hazardous conditions. Provide any GRS installed below grade w/ corrosion resistant bonded plastic or approved mastic coating. This shall include 90-degree elbow below grade & entire vertical transition to above grade.

E. Provide interlocking spacers for multiple runs of UG conduits in same trench.
F. All other raceway may be EMT where approved by local code. Use compression type fittings for EMT, w/ all fittings UL listed for environment in which they are used.

G. Use FMC for final connection to each motor & transformer, & to any device that would otherwise transmit motion, vibration, or noise. Use LPMC where exposed to liquids, vapors or sunlight.
1) Provide all FMC & LPMC w/ an insulated bonding conductor.

H. Install raceways parallel & perpendicular to building lines.

I. Install raceways to requirements of structure & to requirements of all other work on project. Install raceway to clear all openings, depressions, pipes, ducts, reinforcing steel, & other immovable obstacles. Install raceways w/ in forms for concrete structure in such manner that installation will not affect strength of structure.

J. Install raceways continuous between connections to outlets, boxes & cabinets w/ minimum possible number of bends & not more than equivalent of four 90-degree bends between connections. Use manufactured elbows for all 45- & 90-degree bends, unless approved by engineer in advance. Make other bends smooth & even & without flattening raceway or flaking galvanizing or enamel. Radii of bends shall be as long as possible & never shorter than corresponding trade elbow. Use long radius elbows where necessary, indicated, or both.

K. Securely fasten raceways in place w/ approved straps, hangers & steel supports as required. Attach raceway supports to building structure. Hang single raceways for feeders w/ malleable split ring hangers w/ rod & turnbuckle suspension from

inserts spaced not over 10 feet apart in construction above.

L. Clamp groups of horizontal feeder raceways to steel channels that are suspended from inserts spaced not over 10 feet apart in construction above. Securely clamp vertical feeder raceways to structural steel members attached to structure. Install cable clamps for support of vertical feeders where required. Add raceway supports within 12 inches of all bends, on both sides of bends. Do not support raceways from suspended ceiling components.

M. Clean raceway ends, thoroughly clean raceways before installation, & keep clean after installation. Plug or cover openings & boxes as required to keep raceways clean during construction & fish all raceways clear of obstructions before pulling conductors wires. Provide raceways of ample size for pulling of wire & not smaller than code requirements & not less than 3/4", unless indicated otherwise on drawings.

N. Protect all raceway installations against damage during construction. Repair all raceways damaged or moved out of line after rough-in-to meet engineer's approval without additional cost to owner.
O. Align & install true & plumb all raceway terminations at panelboards, switchboards, motor control equipment & junction boxes.

P. Install approved expansion/deflection fittings where raceways pass through (if embedded) or across (if exposed) expansion joints.

Q. Install pull wire in each empty raceway that is left for installation of conductors or cables under other divisions or contracts. Use polypolypropylene or monofilament plastic line. Leave min. 24" slack at each end.

R. Make all joints & connections in manner that will ensure mechanical strength & electrical continuity.

S. Effectively seal raceways, by installing conduit fitting at boundary of two spaces, & filling it w/ an approved plastic material, after conductors or cables have been installed & tested, whenever raceways pass from non-cooled to cooled spaces or transition from outside facility or enclosure to inside, whether buried or exposed.

5. BUSHINGS & LOCKNUTS

A. Rigidly terminate conduits entering steel metal enclosures to enclosure w/ bushing & locknut on inside & locknut or an approved hub on outside. Conduit shall enter enclosure squarely.
B. Provide bushings & locknuts made of galvanized malleable iron w/ sharp, clean-cut threads. Where EMT enters box, provide approved EMT compression connectors.

C. Use insulated, grounding, or combination, bushings wherever connection is subject to vibration or moisture when required by NFPA 70, or both.

6. JUNCTION & OUTLET BOXES

A. All boxes including light fixture, switch, receptacle, & similar outlet boxes: National Electrical, Appleton, Steel City, Raco, or approved equal, galvanized steel knockout boxes, suitable in design to purpose they serve & space they occupy. Size as required for specific function or as required by NFPA 70, whichever is larger.

1) Lighting fixture boxes in ceilings shall not be less than 4" octagonal knockout type.

B. Set all outlet boxes in walls, columns, floors, or ceilings so they are flush w/ finished surface, accurately set, & rigidly secured in position. Provide plaster rings, extension rings, steel or masonry rings as req'd for flush mounting. Provide approved cast outlet boxes, w/ hubs & weatherproof covers, in all areas subject to damp, wet, or harsh conditions.

C. Coordinate locations of outlet boxes. Outlets are only approval located on small scale drawings. Use great care in actual location by consulting various large scale detailed drawings used by other division trades, & by securing detailed locations from architect.

D. All outlets, shall be mounted w/ bottom at 18" AFF & switches w/ bottom at 44" AFF, floor unless noted otherwise on plans. Refer to arch for other required elevations & cabinetry coordination.

7. ELECTRICAL IDENTIFICATION

A. Manufactured labels for each Panelboard & Transformer. Typewritten panel schedules mounted in panels. Where electrical equipment is installed as service entrance equipment, contractor shall furnish & install nameplate listing the following: Equip Short-Circuit Current Rating in Amps (RMS SYM), as indicated on the drawings, whether or not equipment is fully or series-rated, Available Fault Current in Amps. Contractor shall perform available fault current calculation to obtain available fault at Service Equipment. Date fault current calculations were performed.
B. Printed tape style label for each receptacle indicating Panel & Ckt #.

C. Manufactured labels for all disconnect switches indicating equipment served.

D. Branch circuits - identify each circuit - name markers when enclosure label & wire colors do not provide enough information to identify each circuit without tracing. Feeders & branch circuit home runs w/ wire marker w/ Panel & Ckt #. Box covers above lay-in ceilings neatly marked w/ indelible marker.

E. Fire alarm - nameplate on each fire alarm terminal cabinet. Label all wiring.

8. DIGITAL LIGHTING CONTROLS

A. Provide DLM systems consisting of lighting control panels, room controllers, motion sensors, daylight sensors, & other other controls as necessary to achieve lighting switching & dimming control indicated on the drawings.

B. Provide all interconnecting wiring, controls, programming & owner training for the system(s).

C. Provide systems by: Cooper, Hubbell, Leviton, Phillips, Sensor Switch, Watt Stopper, Lutron, n-light.

D. Exclusion:

- 1) Calibrate all sensor time delays & sensitivity for proper detection of occupants & energy savings. Adjust time delays.
- 2) Provide documentation of room by room system configuration including: sensor parameters, time delays, sensitivities, & daylighting setpoints, sequence of operation, load parameters.
- 3) Post start-up tuning - 30 days after occupancy contractor shall adjust sensors to meet the owner's requirements. Provide a detailed report to the architect/ owner of post start-up activity.

9. PANELBOARDS

A. Branch circuit 208/240v panels shall be capacity shown w/ tin plated copper bussing & braced for minimum of 10,000 lbs or as otherwise noted or required (series rated acceptable). Bolt on circuit breakers. 480v panels same except 14,000 lbs as min. or as otherwise noted. Minimum 20" wide w/ galv steel enclosure w/ hinged door & keyed lock. Coord trim w/ mounting location. Typewritten cast directory.

B. Distribution panels shall be capacity shown & shall be Square D (Line w/ tin plated copper bussing, 65kva; min or as otherwise noted) or Bolt on circuit breakers (series rated acceptable). Galv steel enclosure. CB's labeled w/ plastic printed labels to load served.

C. Equivalent by Square D, Siemens, Cutler Hammer, or GE.

10. CIRCUIT BREAKERS IN EXISTING PANELBOARDS

A. Provide new circuit breakers, for installation in existing panelboards, of same manufacturer, type & short circuit current interrupting ratings as existing panelboard circuit breakers.

B. Convenience outlets:

11. WIRING DEVICES

A. Color of devices as directed by architect.

1) Spec grade 20 amp duplex w/ ground & SS wall plates. Other outlets shall be verified w/ equipment suppliers for proper NEMA configurations. Provide GFCI rated devices where indicated & as req'd per code.
2) Equivalent devices by Cooper/Eaton, Hubbell, Leviton, Pass & Seymour/Legrand

C. Switches:

- 1) Light switches - spec grade 20 amp toggle switches w/ SS wall plates.
- 2) Wall motion switches - spec grade, PIR, override.
- 3) Ceiling motion switches - spec grade, dual technology, model as req'd by room configuration, all necessary power packs & relays.
- 4) Wall motion switches (bathroom) - dual relay, spec grade, PIR, 2nd relay for operation of exhaust fan delay.
- 5) Dimmer Switches: Modular, full-wave, solid-state units with integral, quiet on-off switches, with audible frequency and EMIRF suppression filters. Continuously adjustable slider, with single-pole or three-way switching. Comply with UL 1472. 600W or 1200W as required by load.
- Incandescent Lamp Dimmers: 120 V; control shall follow square-law dimming curve. On-off switch positions shall bypass dimmer module.
- LED Dimmers: Modular, compatible with dimming drivers in fixture(s); if other than 0-10V dimming is provided, verify dimmer is compatible with driver for full range of dimming (10%-100%).
- 6) Equivalent devices by Leviton, Bryant, Hubbell, Wattstopper, Lithonia, Sensor Switch.

D. Weatherproof cover plates:

- 1) Provide GFCI receptacles for weatherproof receptacles.
- 2) For wet locations: in-use NEMA 3R, UL-labeled plates die cast metal and lockable.
- 3) For damp locations: UL-listed for wet locations w/ cover(s) closed, die-cast aluminum or type 302 SS; single-cover for switches & vertically mounted receptacles; double-cover for horizontally mounted receptacles; self-closing

covers.

12. DISCONNECT (SAFETY) SWITCHES
A. Disconnect (safety) switches: Square D, Siemens, Cutler Hammer, or General Electric fused or non-fused (as indicated on drawings or required) NEMA KSI, heavy duty, externally operated, visible-blade safety switches; NEMA enclosure type indicated on drawings or suitable for environment in which installed. Based on fusible switch & fuse sizes indicated, include class R, J, or L fuse provisions as applicable.

B. Where indicated, provide fusible switches permanently labeled as suitable for use as service entrance equipment, w/ integral & separate neutral & ground assemblies, suitable for sizes of conductors indicated. Do not double-lug any terminations not specifically listed as suitable for more than one conductor.
C. Provide switches where not furnished w/ starting equipment, at all other points required by NFPA 70, & where indicated on drawings.

13. LUMINAIRE, LAMPS & BALLASTS

A. Refer to lighting fixture schedule plans for fixture types.

B. Equivalent luminaires by Hubbell, Infinity, Lithonia, Williams, Eaton [Cooper].

C. Fluorescent Fixtures:

1) Lamps shall be type recommended by fixture manuf. Lamp none above manuf recommended max wattage. Color temperature shall be coordinated throughout project, with generally 4100k interior lamps and min 85 CRI. Equivalent lamps by G.E., Venture, Philips Or Sylvania.

2) Ballasts - Fluorescent - electronic, <20%THD. Equivalent by Advance, G.E., Motorola, Or Magnetek.

D. LED Fixtures:

1) Lamps & modules: Philips, General Electric, Osram/Sylvania, Cree, Nichia.

2) LED components, lamps, drivers, and fixtures shall comply with: PCC 47 CRR Part 15, UL 8750, ANSI/NEMA Standards C78.317, NEMA SSL-1, C82.77, ICENIA Standards TM-R-05, RP-16, LM-79, LM-80 & LM-21.

3) Drivers shall be integral to the fixture unless otherwise shown or specified.

E. Emergency ballasts/drivers/batteries/inverters - shall be Bodine, Iota. Coordinate voltages and outputs for min. 90 minute operation with fixtures scheduled and controls indicated and provided.

F. Execution:

- 1) Provide lighting fixtures w/ lamps & accessories req'd for hanging. Coord mounting of lighting fixtures w/ architect & GC. Additional fixture supports shall be provided by E/C. Supports shall comply w/ latest edition of NEC. Provide lighting fixture securing clips as required. Consult arch plans for ceiling types & provide surface & necessary lighting fixtures w/ appropriate mounting components & accessories.
- 2) Fixtures mounted in fire rated ceilings shall be provided & installed w/ fire rated enclosures to maintain ceiling integrity.
- 3) Poles & support components: comply w/ AASHTO LTS-4. Provide steel poles in color as specified or selected by architect. Provide both covers. Provide concrete base for pole & ground rod.

14. ADJUSTING, ALIGNING & TESTING

A. Adjust, align, & test all electrical equipment on this project provided under this division & all electrical equipment furnished by others for installation or wiring under this division for proper operation. Test all systems & equipment according to requirements in NETA ATS (latest edition) & all additional requirements specified.

B. In following sections, Maintain following on project premises at all times: true RMS reading voltmeter, true RMS reading ammeter, & megohmmeter insulation resistance tester. Provide test data readings as requested or as required by engineer.

15. SYSTEM START-UP

- A. Prior to starting up electrical systems:
- 1) Check all components & devices.
 - 2) Lubricate items accordingly.
 - 3) Tighten screws & bolts for connectors & terminals according to manufacturer's published torque-lightening values. If manufacturer's torque values are not indicated, use those specified in UL 486s & UL 486s.
 - 4) Check & record building's service entrance voltage, grounding conditions, grounding resistance, & proper phasing.
- B. Replace all burned-out lamps & lamps used for temporary construction lighting in permanent light fixtures.
- C. After all systems have been inspected & adjusted, confirm all operating features required by drawings & specifications & make final adjustments as necessary.

END OF DIVISION 26000

SECTION 27000 - COMMUNICATIONS

1. GENERAL ELECTRICAL REQUIREMENTS

A. Refer to GENERAL MECHANICAL, ELECTRICAL & PLUMBING requirements.

2. TELECOMMUNICATIONS SYSTEMS PROVISIONS

A. Provide incoming telephone and/or data service raceways as indicated on drawings or as required by serving telecommunications company.

B. Provide 3/4-inch thick plywood board, fire-retardant-treated & stamped FRT, securely anchored to wall, at location & of size as indicated on drawings.

C. Provide flush mounted telephone and/or data outlet boxes w/ 3/4-inch EMT stub-up concealed to accessible ceiling space at locations indicated on drawings.

3. BACKBOARDS

A. Backboards: Plywood, fire-retardant treated, 3/4"x48"x96".

END OF DIVISION 27000

SECTION 28000 - SAFETY & SECURITY

1. GENERAL ELECTRICAL REQUIREMENTS

A. Refer to GENERAL MECHANICAL, ELECTRICAL & PLUMBING requirements.

2. EXISTING FIRE ALARM SYSTEM MODIFICATIONS

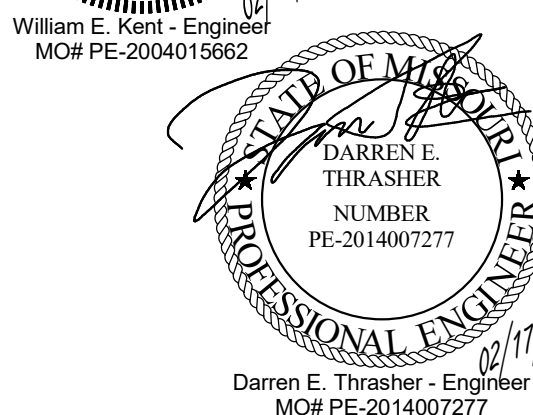
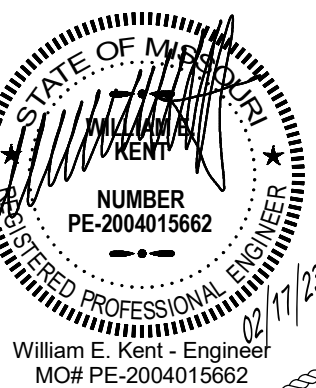
A. Provide following new equipment, compatible w/ or of same manufacturer as existing fire alarm control panel & system, at locations indicated on drawings, as required by building codes, landlord, or all three, & connect to existing fire alarm control panel:

- 1) Additional initiating devices, indicating appliances, & interconnecting circuits.
 - 2) Additional zone modules required by new zoning.
 - 3) New amplifiers & other equipment that may be required to incorporate new initiating devices & indicating appliances into existing system.
 - 4) A new zone map, including all existing zones & all new zones, framed, mounted under glass, & installed adjacent to fire alarm control panel. Homestrokes shall meet all requirements of ADA.
- B. Install all wiring in raceway.
- C. Where acceptable to AHI, plenum rated cables may be used above suspended accessible ceilings.

D. Execution:

- 1) Submit shop drawings w/ wiring diagrams & battery calcs for approval to Fire Marshal & AHI.
- 2) Coordinate to provide power & shutdown or operation of fire/smoke dampers, door hold opens, power to door locks & access control & other similar systems.
- 3) Installed & tested per NFPA 72 & applicable sections of NFPA 70. Provide complete fire alarm system as described herein & shown to be wired, connected, & in first class condition. Include sufficient control unit(s), annunciator(s), manual stations, automatic fire detectors, smoke detectors, audible & visible notification appliances, wiring, terminations, electrical boxes, & all necessary material for complete operating system.

END OF DIVISION 28000



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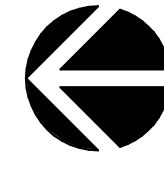
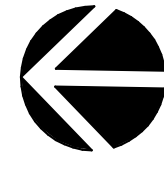


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DATE: 2023-02-17
DRAWN BY: Author
CHECKED BY: Checker
CHECKED BY: Designer

REVISED DATE DESCRIPTION



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SPECIFICATIONS

MEP103

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GENERAL DEMOLITION NOTES
1. REFER TO GENERAL DEMOLITION NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.

KEYED NOTES - DEMOLITION

1. REMOVE DIFFUSER/GRILLE. CLEAN AND PREPARE TO BE RE-INSTALLED IN NEW CEILING.
2. REMOVE EXISTING EXHAUST FAN. CLEAN, INSPECT, AND PREPARE TO BE RE-INSTALLED IN NEW BATHROOM CEILING.
3. EXISTING DUCT MAIN SUPPLY RETURN SERVING SPACE TO REMAIN AND BE REUSED. FIELD CONFORM EXACT LOCATION AND PREPARE EXISTING SUPPLY TAPS FOR CONNECTION TO NEW DIFFUSERS.
4. EXISTING RTU TO REMAIN AND BE REUSED.
5. EXISTING THERMOSTAT TO REMAIN.
6. EXISTING FIXTURE TO REMAIN.
7. REMOVE EXISTING FIXTURE. CLEAN AND PREPARE TO BE RE-INSTALLED IN SAME LOCATION AFTER RESTROOM RENOVATION.
8. EXISTING WATER HEATER TO REMAIN.
9. EXISTING PIPING. FIELD VERIFY EXACT LOCATION.



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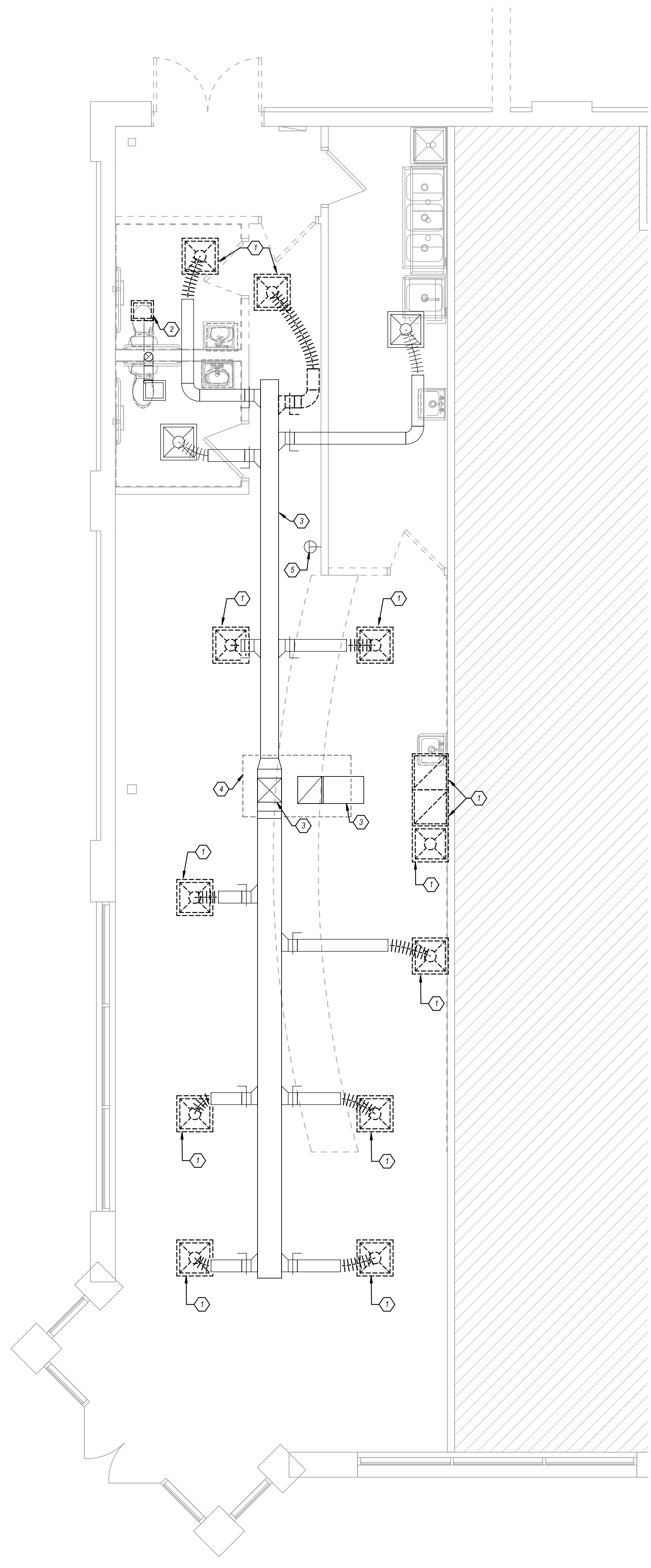


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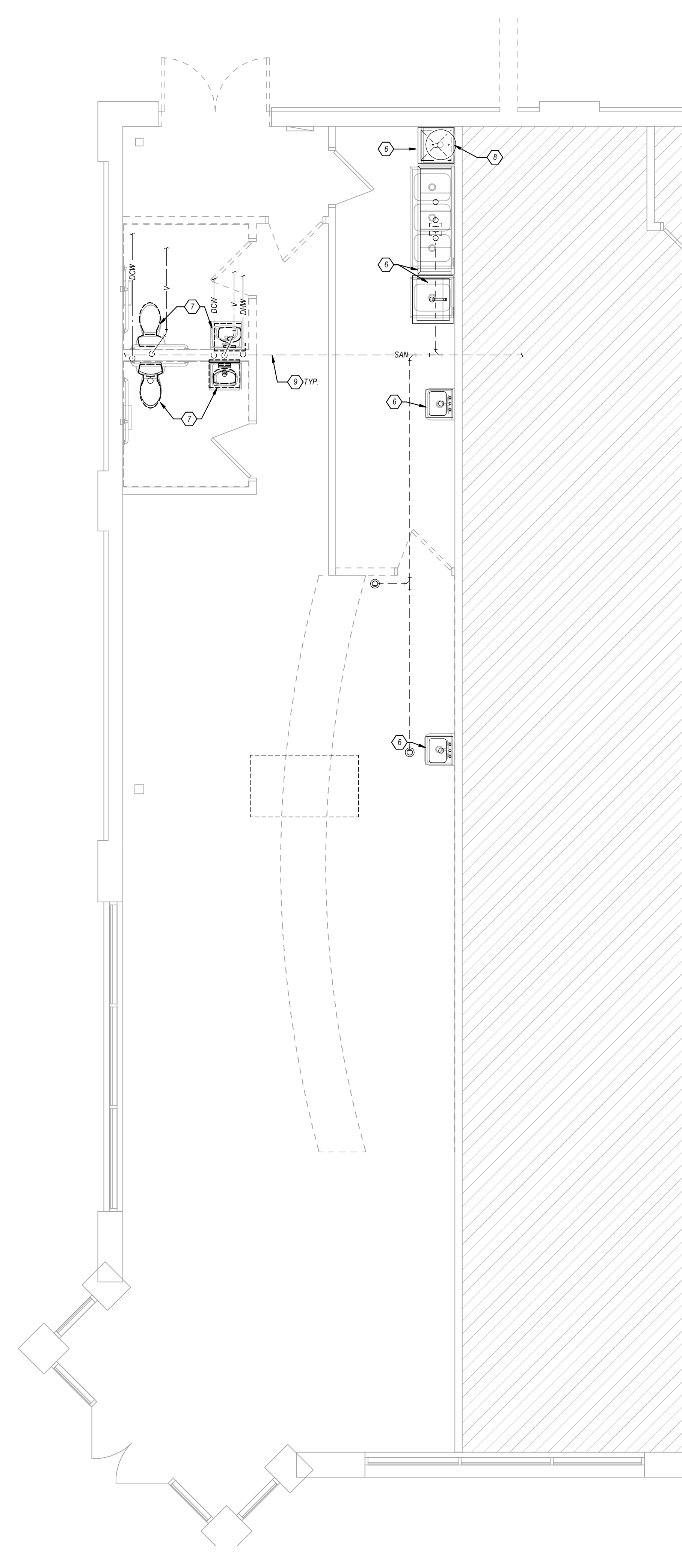
HVAC DEMOLITION
PLAN

DMP101

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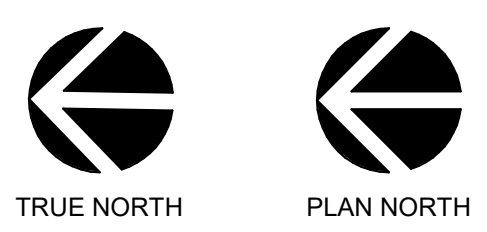
FLOOR PLAN - DEMOLITION - MECHANICAL
SCALE: 1/4" = 1'-0"



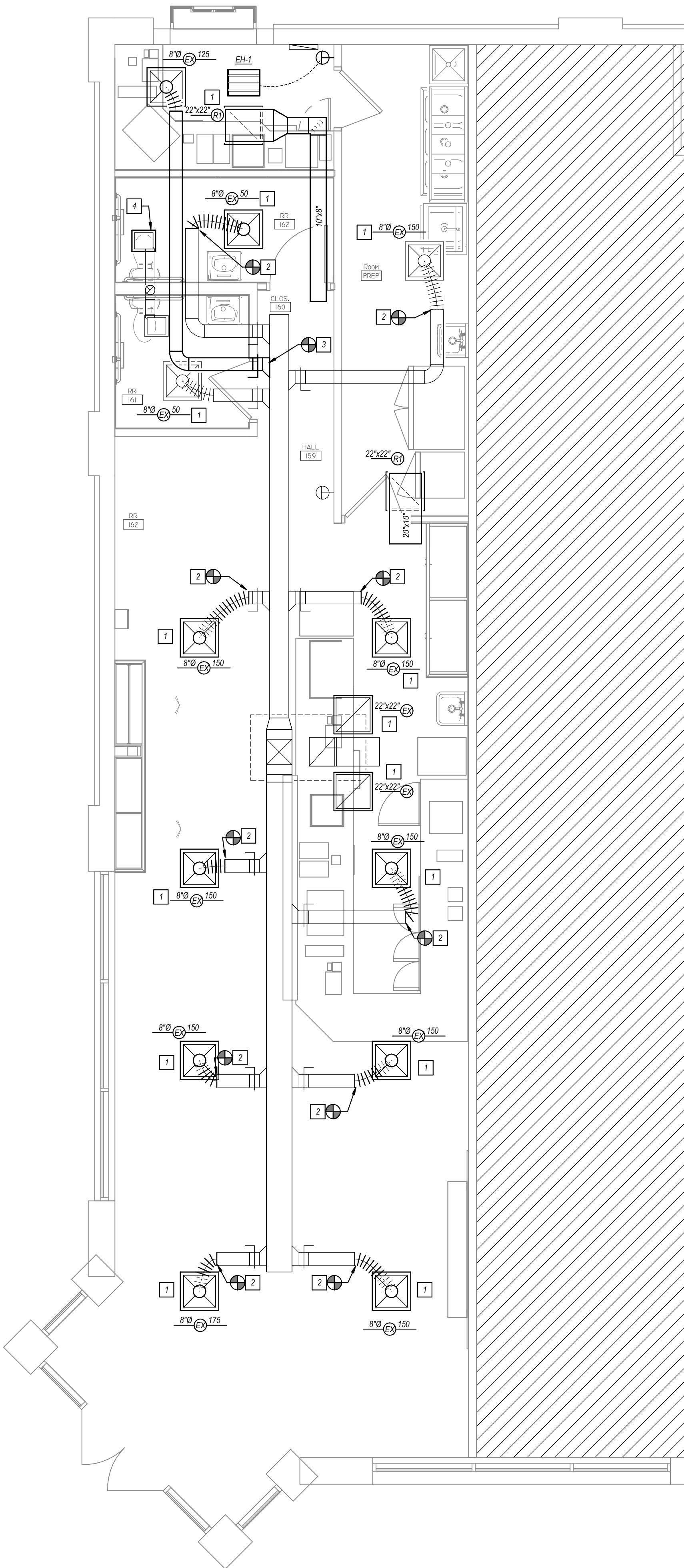
FLOOR PLAN - DEMOLITION - PLUMBING
SCALE: 1/4" = 1'-0"



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D
C
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FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION	BORDER TYPE	FACE SIZE (IN.)	NECK SIZE	VOLUME DAMPER	MATERIAL	FINISH	REMARKS
SUPPLY										
EX	TITUS	TMS	SQUARE CEILING DIFFUSER	GRD	24x24	AS INDICATED	NO	STEEL	WHITE	
RETURN										
EX	TITUS	SSRL	GRILLE WITH 3/4" SPACING AND .35" DEFLECTION	GRD	24x24	20x20	NO	STEEL	WHITE	
R1	TITUS	SSRL	GRILLE WITH 3/4" SPACING AND .35" DEFLECTION	GRD	24x24	20x20	NO	STEEL	WHITE	

REMARKS:
1. PROVIDE WITH ALL NECESSARY MOUNTING HARDWARE.
2. PROVIDE WITHOUT SCREW HOLES WHERE USED IN GRD CEILING.
3.

DUCTWORK INSULATION SCHEDULE

PURPOSE	DUTY	DUCT	LOCATION	STYLE	MATERIAL	INSULATION APPLICATION	THICKNESS	NOTES
LOW PRESSURE / VELOCITY			CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	---
			CONCEALED	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	---
			EXPOSED	RECTANGULAR	FIBERGLASS	LINED	1/2"	---
			EXPOSED	ROUND	FIBERGLASS	LINED	1/2"	---
			UNCONDITIONED ATTICS	ALL	MINERAL FIBER	WRAPPED	1-1/2"	1
RETURN	LOW PRESSURE / VELOCITY		EXTERIOR	ALL	FLEXIBLE ELASTOMERIC	WRAPPED	2"	---
			CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	---
			CONCEALED	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	---
			RETURN/TRANSFER BOOT	RECTANGULAR	FIBERGLASS	LINED	1/2"	---
			UNCONDITIONED ATTICS	ALL	MINERAL FIBER	WRAPPED	1-1/2"	1
EXHAUST	LOW PRESSURE / VELOCITY		EXTERIOR	ALL	FLEXIBLE ELASTOMERIC	WRAPPED	2"	---
			CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	---
			CONCEALED	ROUND	FIBERGLASS	LINED	1/2"	2

NOTES:
1. IN ADDITION TO OTHER SCHEDULED INSULATION.
2. PROVIDE LINER ONLY WITHIN 10' OF FAN FOR ACOUSTICS.

GENERAL REMARKS (APPLICABLE TO ALL TYPES):
1) ALL DUCTWORK, INSULATION AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.
2) ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2010 REQUIREMENTS AT A MINIMUM.
3) REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION FOR INSULATION PRODUCTS AND SYSTEMS.

ELECTRIC HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION	CFM	KW	TEMP. RISE	ELECTRICAL VOLTAGE	PHASE	REMARKS
EH-1	QMARK	CDP-SE	CEILING HEATER	300	2.5	26°F	208	1	1

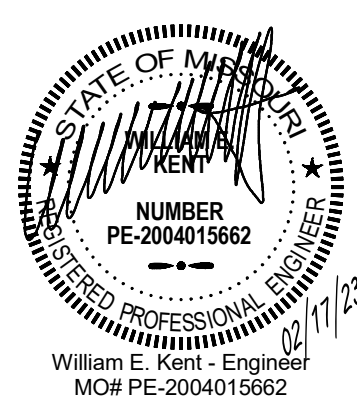
REMARKS:
1. PROVIDE WITH WALL-MOUNTED THERMOSTAT AND INTEGRAL DISCONNECT.

GENERAL HVAC NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
3. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0".
4. ALL RUNOUTS TO TERMINAL BOXES SHALL BE ONE SIZE LARGER THAN BOX INLETS UNLESS NOTED OTHERWISE.
5. ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOCKABLE VOLUME CONTROL DEVICES.
6. ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH TURNING VANES.
7. DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.
8. PROVIDE ACCESS DOORS IN DUCTS AHEAD OF ALL AUTOMATIC, FIRE, AND SMOKE DAMPERS.
9. FOR BALANCING THE OUTSIDE AIRFLOW QUANTITIES, REFER TO HVAC SCHEDULES.

KEYED NOTES - HVAC

1. EXISTING DIFFUSER/GRILLE RELOCATED IN NEW CEILING. BALANCE TO NEW AIRFLOWS AS SHOWN.
2. CONNECT NEW SUPPLY DUCT TO EXISTING TAP FOR RELOCATED DIFFUSER. EXACT LOCATION TO BE FIELD CONFIRMED.
3. PROVIDE NEW TAP TO EXISTING MAIN.
4. EXISTING EXHAUST FAN RELOCATED IN NEW CEILING. RECONNECT TO EXISTING EXHAUST DUCT.



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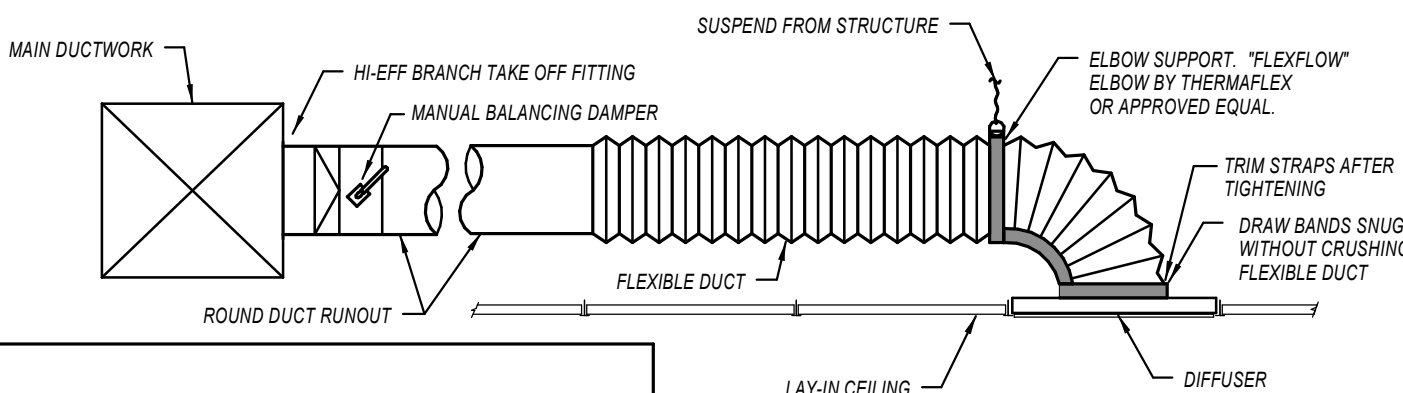
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MECHANICAL - HVAC

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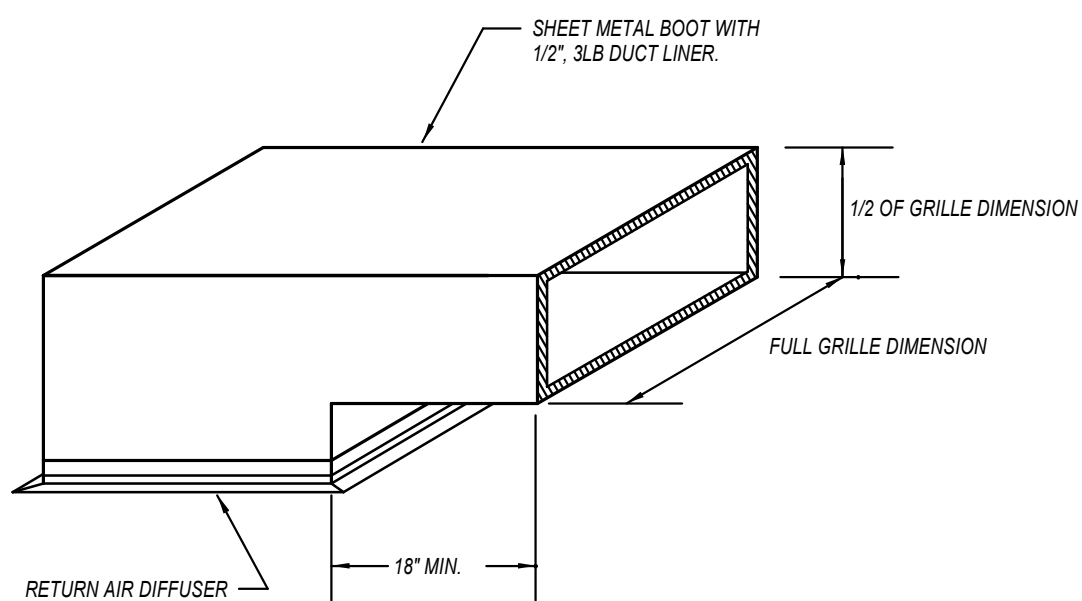
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DUCT CONNECTION TO LAY-IN DIFFUSER DETAIL

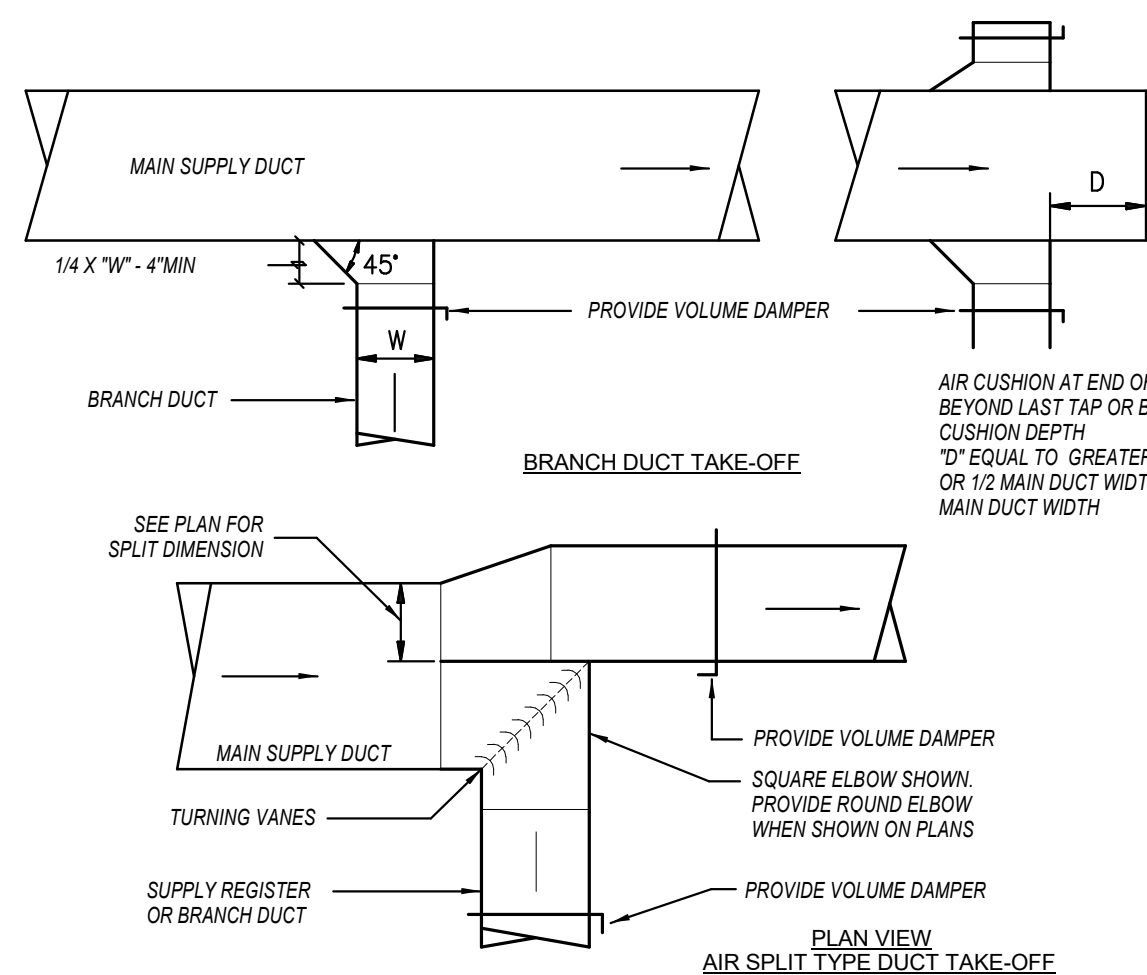
NOT TO SCALE

- NOTES:
1. RUN-OUT DUCT SIZE SHALL BE SAME AS SIZE SPECIFIED FOR DIFFUSER INLET. INCREASE RUN-OUT DUCT SIZE 1" WHEN LENGTH OF RUN-OUT DUCT EXCEEDS 20'-0" AND PROVIDE TRANSITION AT THE DIFFUSER.
 2. MAXIMUM FLEXIBLE DUCTWORK LENGTH IS 5'-0" UNLESS OTHERWISE NOTED ON DRAWINGS.
 3. FLEXIBLE DUCTWORK MUST BE FULLY EXTENDED AND NOT IN CONTACT WITH PIPES AND/OR CONDUITS.
 4. INSTALL FLEXIBLE DUCTWORK SUPPORTS AT ALL ROUND NECK OUTLETS/INLETS UNLESS OTHERWISE NOTED ON DRAWINGS.
 5. FLEXIBLE DUCTWORK IS NOT TO BE USED IN UNACCESSIBLE LOCATIONS, (ABOVE GYP. BOARD CEILINGS, ETC.)



RETURN AIR BOOT

NOT TO SCALE



DUCTWORK TAKEOFFS

NOT TO SCALE



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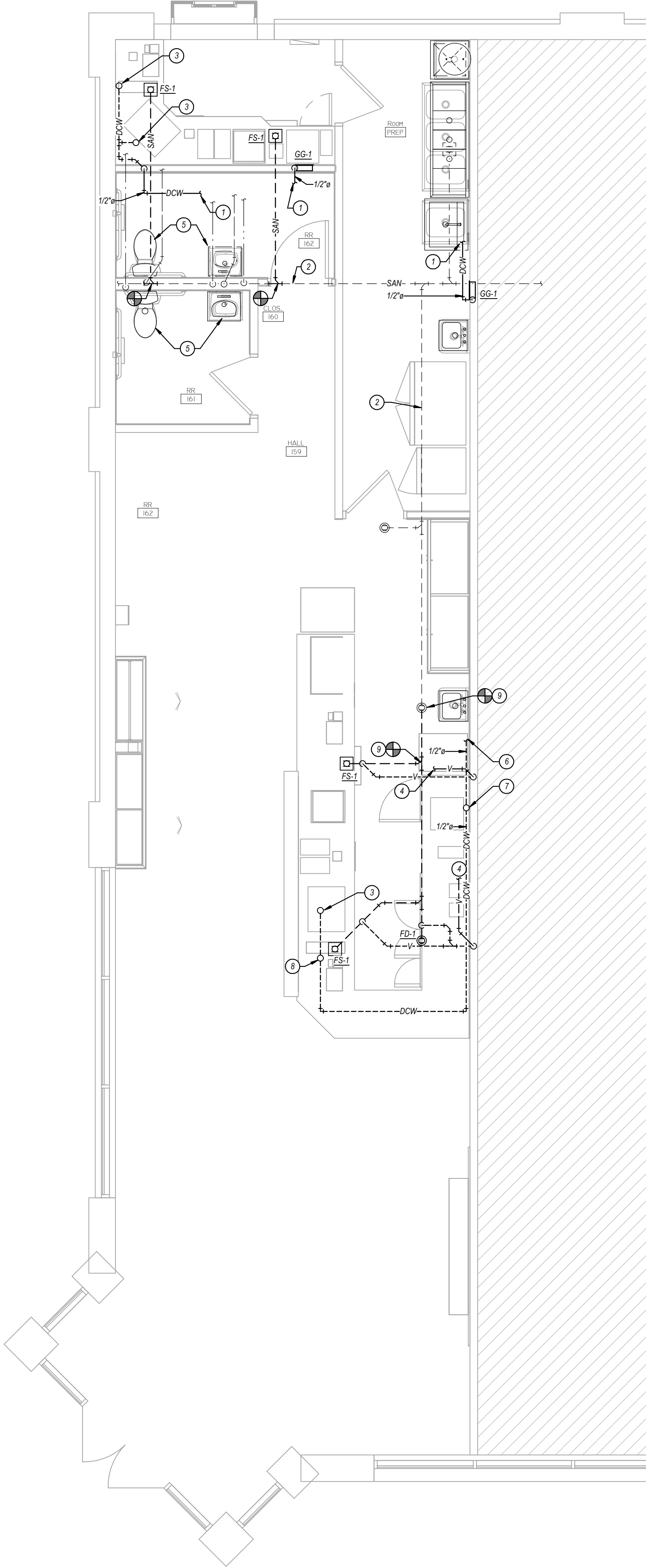


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 **FLOOR PLAN - DOMESTIC WATER**
SCALE: 1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE			FITTINGS			REMARKS	CONNECTION SIZES			
	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	DESCRIPTION		DHW	DCW	WASTE	VENT
GG-1	GUY GRAY	BM675	GALVANIZED STEEL DCW/OUTLET BOX						1/2"		

REMARKS:

- 1. PROVIDE CHROME-PLATED BRASS TAILPIECE AND GRID DRAIN.
- 2. PROVIDE CHROME-PLATED BRASS P-TRAP.
- 3. PROVIDE LOOSE KEY STOPS AND FLEXIBLE RISERS.
- 4. PROVIDE CONCEALED ARM TYPE CARRIER WITH SQUARE, TUBULAR STEEL UP-RIGHTS AND BLOCK TYPE BASES.
- 5. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS. REFER TO SPECIFICATIONS FOR INSULATION METHODS.
- 6. PROVIDE FLUSH VALVE HANDLE ON WIDE SIDE OF STALL.
- 7. PROVIDE HANDLE STOPS AND FLEXIBLE RISERS.
- 8. PROVIDE CHROME-PLATED BRASS TAILPIECE AND BASKET STRAINER.
- 9. MOUNT RED PAN WASHER CONNECTION AT 6" A.F.F. UNLESS OTHERWISE NOTED ON PLANS OR RECOMMENDED BY MANUFACTURER.
- 10. FIXTURE IS OWNER-FURNISHED. CONTRACTOR-INSTALLED. COORDINATE ALL WORK WITH SUPPLIER.

11.

GENERAL NOTES (APPLICABLE TO ALL FIXTURES):

- 1. ALL LAVATORIES AND SINKS USED FOR HAND WASHING SHALL BE PROVIDED WITH AN ANTI-SCALD TEMPERATURE MIXING VALVE ON THE HOT WATER SUPPLY - REFER TO DETAIL.
- 2. FIXTURE CONNECTION SIZES SHOWN IN SCHEDULE ARE CONNECTION SIZE AT FIXTURE ON PLANS.

PIPING MATERIAL AND INSULATION SCHEDULE

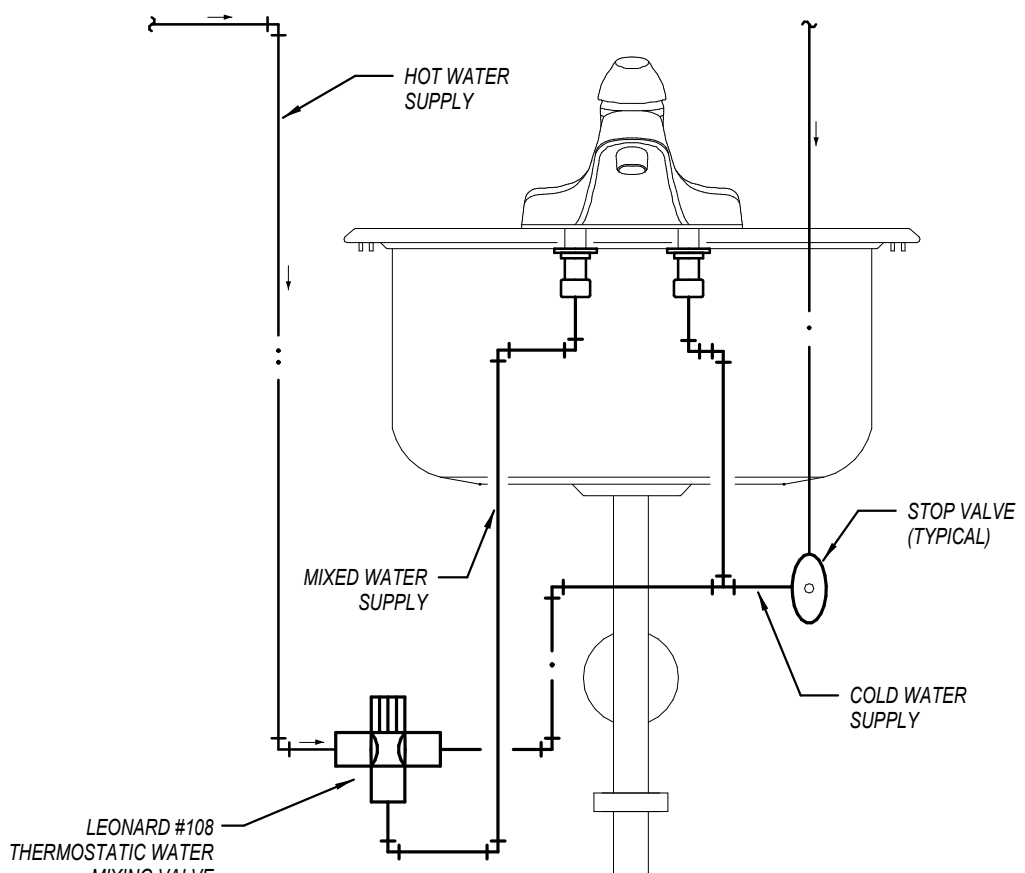
SYSTEM	PIPING			ACCEPTABLE FITTINGS	FIELD TEST PRESSURE/TIME	ALLOWABLE IN PLENUMS	INSULATION		
	SIZE	MATERIAL	TYPE/SCHED				TYPE	THICKNESS	
DOMESTIC COLD WATER	1/2" - 2-1/2"	Copper	L	Solder, ProPress	150 PSI - 12 HR	Yes	Fiberglass w/ASJ	1/2"	---
DOMESTIC COLD WATER - BELOW GRADE	1/2" - 1-1/4"	Copper	K	Continuous Tubing, Braided	150 PSI - 12 HR	NA	---	---	---
DOMESTIC HOT WATER & HW RETURN	1/2" - 2-1/2"	Copper	L	Solder, ProPress	150 PSI - 12 HR	Yes	Fiberglass w/ASJ	1"	---
SANITARY WASTE BELOW GRADE	2"-8"	PVC	Schedule 40	Solvent joined	10 FT - 12 HR	NA	---	---	---
VENT ABOVE GRADE	1-1/2"-4"	PVC	Schedule 40	Solvent joined	10 FT - 12 HR	No	---	---	---
VENT BELOW GRADE	1-1/4"-2"	PVC	Schedule 40	Solvent joined	10 FT - 12 HR	NA	---	---	---

REMARKS:
1. ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/0.
2. ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2007 REQUIREMENTS AT A MINIMUM.
3. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.
4. WELDED PIPING IS REQUIRED FOR GAS PIPING WHEN A) PIPING IS AT OR OVER 2PSI; B) WHEN PIPING OF ANY PRESSURE IS ROUTED THROUGH CONCEALED SPACES.

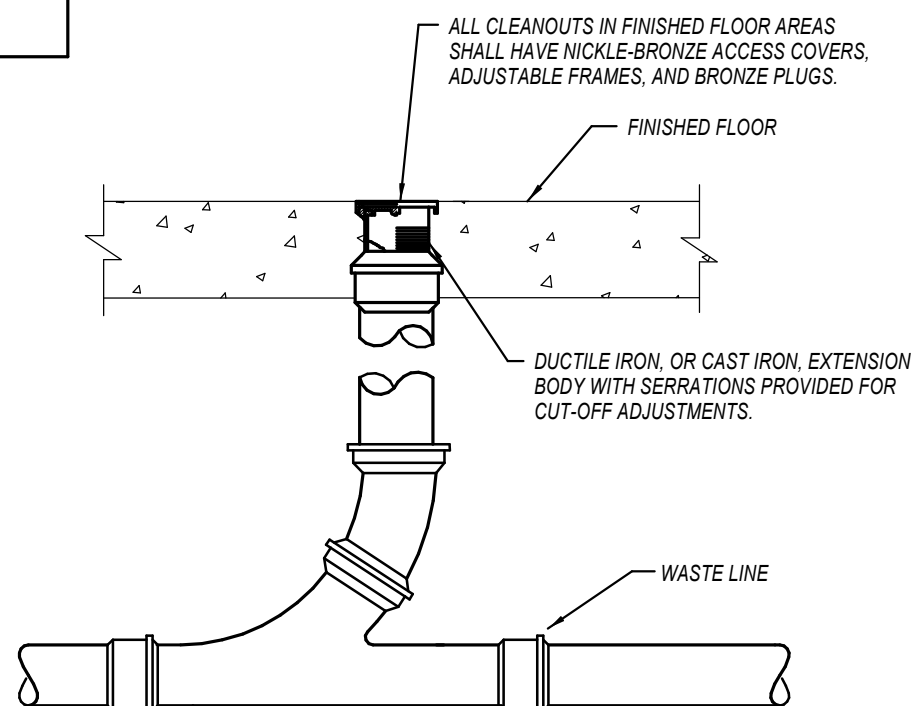
FLOOR DRAIN SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	TOP/GRATE SIZE	WASTE SIZE	REMARKS
FD-1	WATTS	FD-100A-6-2	FLOOR DRAIN	6"	2"	1
FS-1	WATTS	FS-112	FLOOR SINK	8"	2"	2

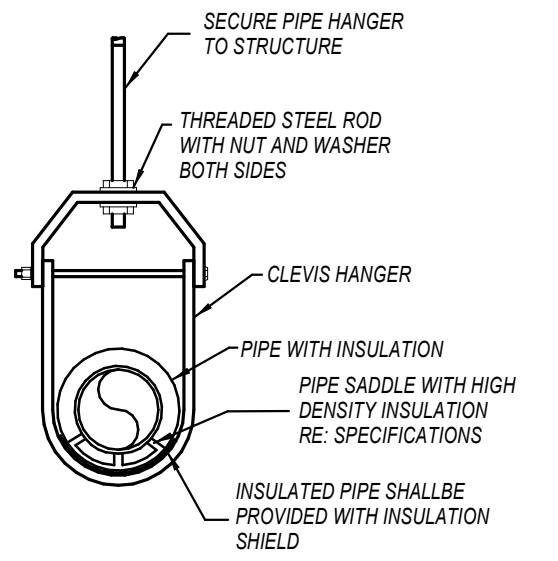
REMARKS:
1. PROVIDE WITH NICKEL BRONZE TOP.
2. PROVIDE WITH HALF GRATE.



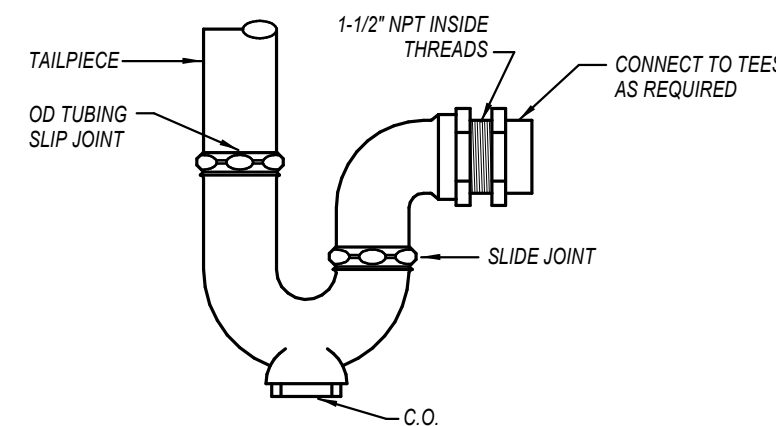
HAND WASHING SINK/LAVATORY TEMPERED WATER SCHEMATIC
NOT TO SCALE



FLOOR CLEANOUT DETAIL
NOT TO SCALE



PIPE HANGER DETAIL
NOT TO SCALE



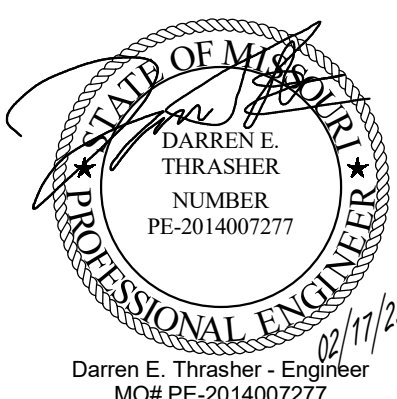
P-TRAP DETAIL
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GENERAL PLUMBING NOTES

- REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- REFER TO PLUMBING FIXTURE / DRAIN SCHEDULES FOR PIPING SIZES FOR INDIVIDUAL CONNECTIONS TO FIXTURES AND RISERS NOT SHOWN ON PLANS.
- NO SANITARY OR VENT PIPING BELOW GRADE SHALL BE LESS THAN 2".
- NO DOMESTIC WATER PIPING SHALL BE SMALLER THAN 3/4" UNLESS NOTED OTHERWISE.
- ALL VENT PIPING SHOWN IS DIAGRAMMATIC. USE APPROPRIATE FITTINGS FOR VENT PIPING BELOW FLOOD RIM OF FIXTURE.
- NOT ALL CLEANOUTS ARE SHOWN FOR DRAWING CLARITY. CONTRACTOR SHALL INSTALL ALL CODE-REQUIRED CLEANOUTS (RE: GENERAL NOTES ON COVER SHEET). COORDINATE EXACT LOCATIONS OF CLEANOUTS WITH ARCHITECT.
- PROVIDE 1/2" TRAP PRIMER PIPING FOR ALL FLOOR DRAINS TO NEAREST TRAP PRIMER VALVE. PIPING SHALL BE TYPE "K" SOFT COPPER SEAMLESS WITH NO JOINTS FROM VALVE TO DRAIN.

KEYED NOTES - PLUMBING

- FIELD LOCATE EXISTING PIPING AND CONNECT NEW FIXTURE. PROVIDE SHUT OFF VALVE AT DCW CONNECTION LOCATION TO EXISTING.
- EXISTING PIPING: FIELD VERIFY EXACT LOCATION.
- ROUTE 1/2" DCW THROUGH CABINETRY. PROVIDE SHUT OFF VALVE AND BACKFLOW PREVENTER.
- FIELD LOCATE EXISTING VENT PIPING AND CONNECT NEW VENT PIPE.
- EXISTING FIXTURE TO BE RE-INSTALLED IN SAME LOCATION AFTER RESTROOM RENOVATION. CONNECT 1/2" DCW TO SINK SUPPLY AND ROUTE THROUGH CABINETRY TO FIXTURES/APPLIANCES.
- 1/2" DCW STUB UP TO SERVE COFFEE BREWER. PROVIDE SHUT OFF VALVE AND BACKFLOW PREVENTER.
- 1/2" DCW STUB UP TO SERVE GLASS RINSER.
- CONNECT NEW WASTE PIPE TO EXISTING BELOW FLOOR. FIELD COORDINATE EXACT LOCATION AND VERIFY EXISTING PIPE IS OF EQUAL OR LARGER SIZE THAN NEW AND NEW PIPING CAN MEET PROPER SLOPE.



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PLUMBING

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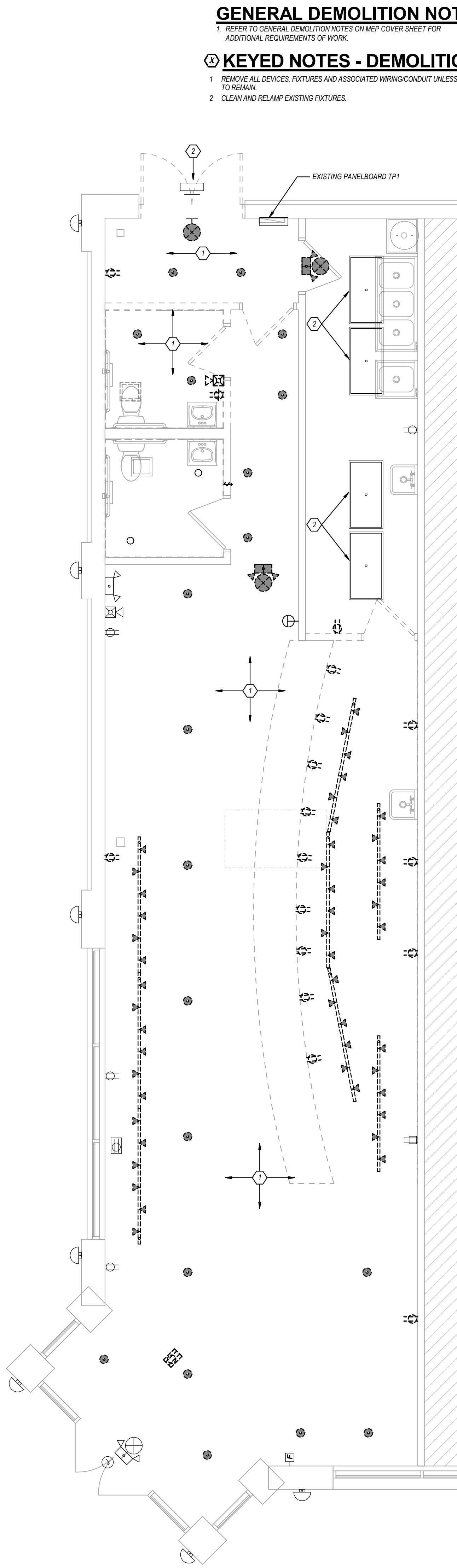
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GENERAL DEMOLITION NOTES

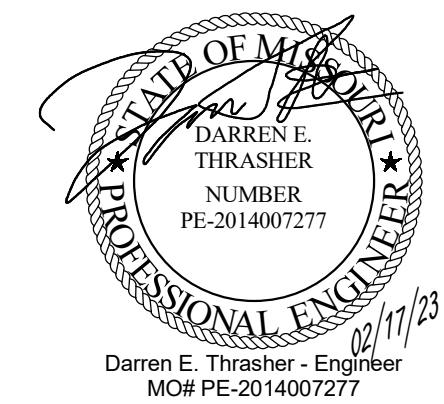
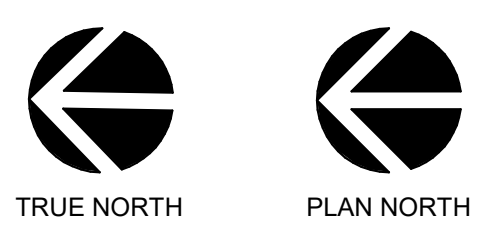
1. REFER TO GENERAL DEMOLITION NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.

KEYED NOTES - DEMOLITION

1. REMOVE ALL DEVICES, FIXTURES AND ASSOCIATED WIRING/CONDUIT UNLESS SHOWN TO REMAIN.
2. CLEAN AND RELAMP EXISTING FIXTURES.

FLOOR PLAN - DEMOLITION - ELECTRICAL
SCALE: 1/4" = 1'-0"

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**ELECTRICAL -
DEMOLITION PLAN**

DE101

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REMARKS:

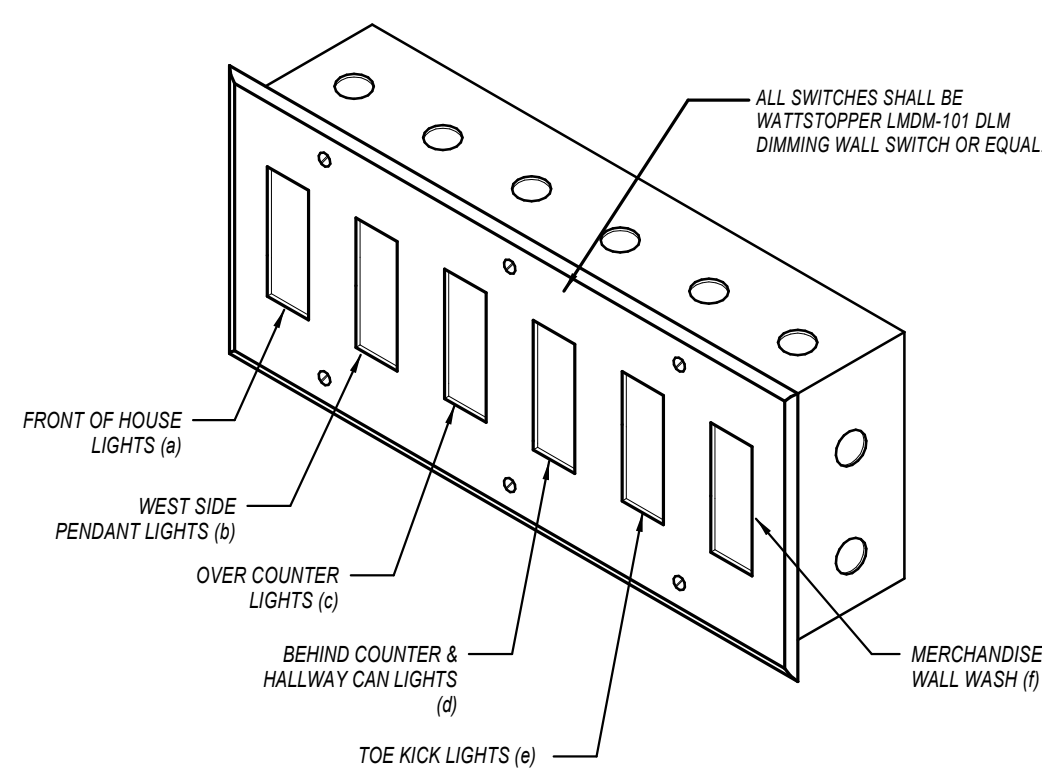
1. FURNISH WITH AND INSTALL ALL NECESSARY HARDWARE AND MOUNTING BRACKETS.

2. FIXTURE HAS BEEN SELECTED BY OWNER. IN GENERAL, NO SUBSTITUTIONS WILL BE ALLOWED - COORDINATE SAME WITH OWNER.

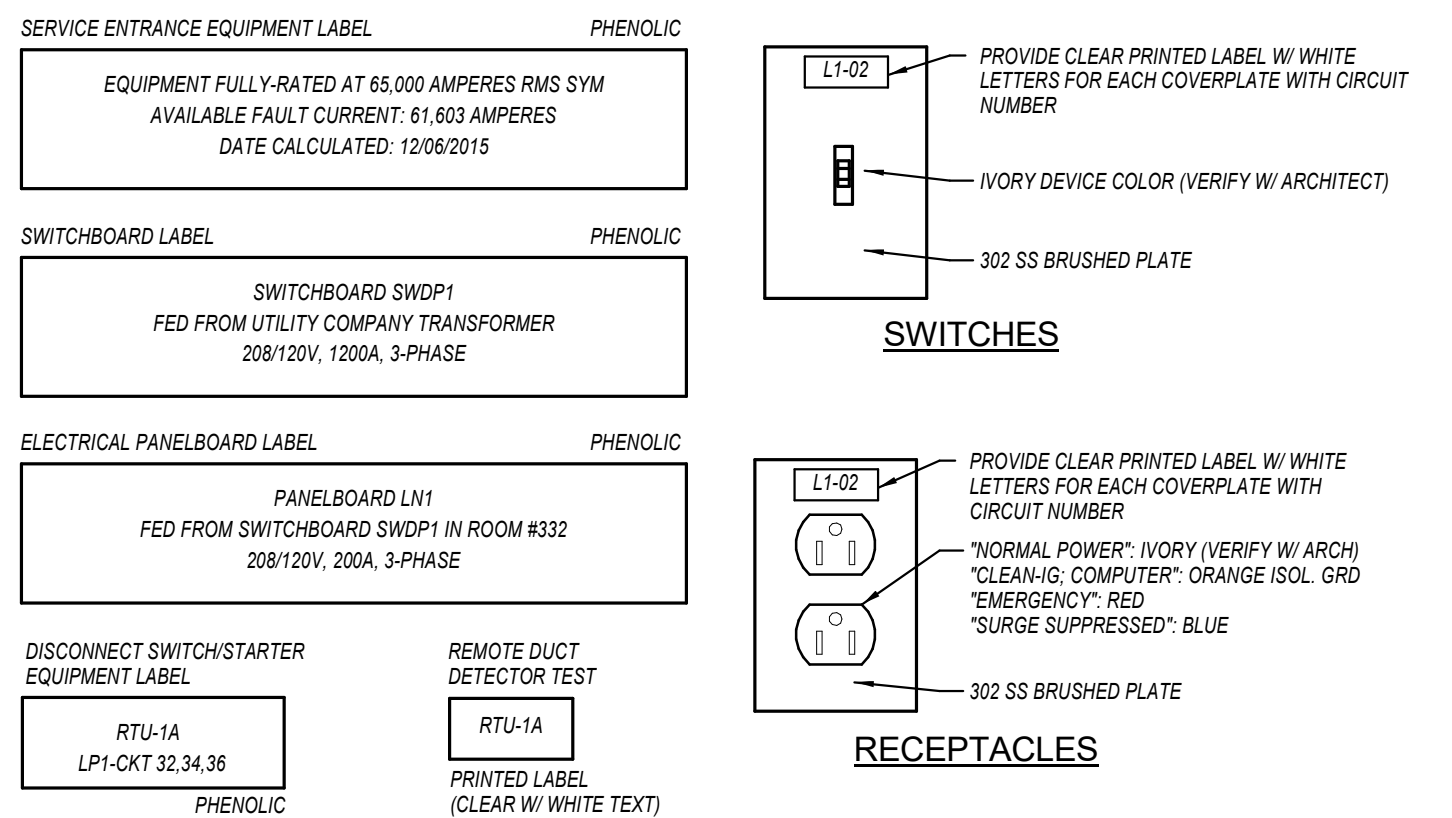
GENERAL NOTES (APPLICABLE TO ALL FIXTURES):

1) EQUALS ARE ACCEPTABLE ON ALL LIGHT FIXTURES UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR APPROVED EQUAL FIXTURE MANUFACTURERS

NOT TO SCALE 613-03

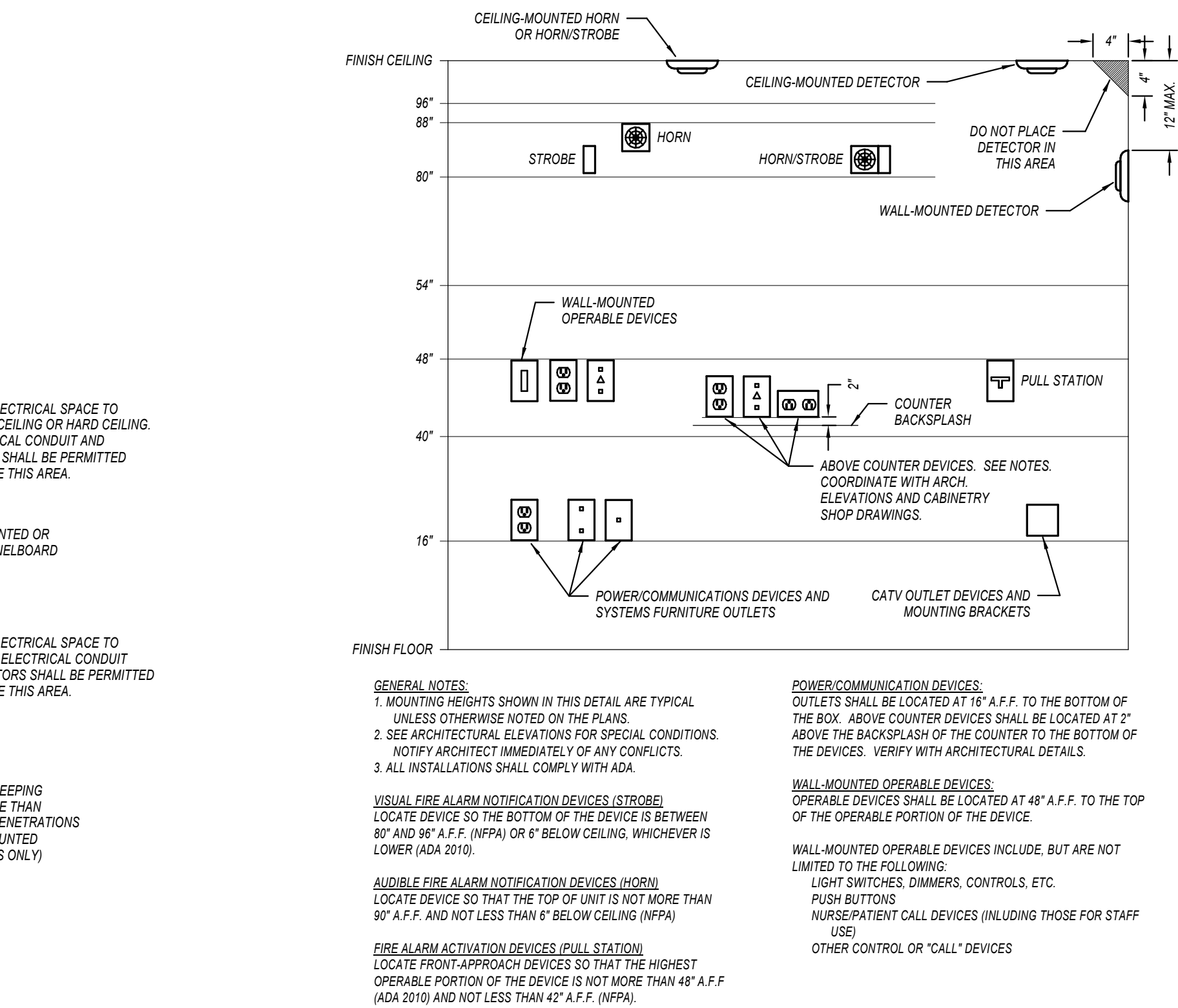


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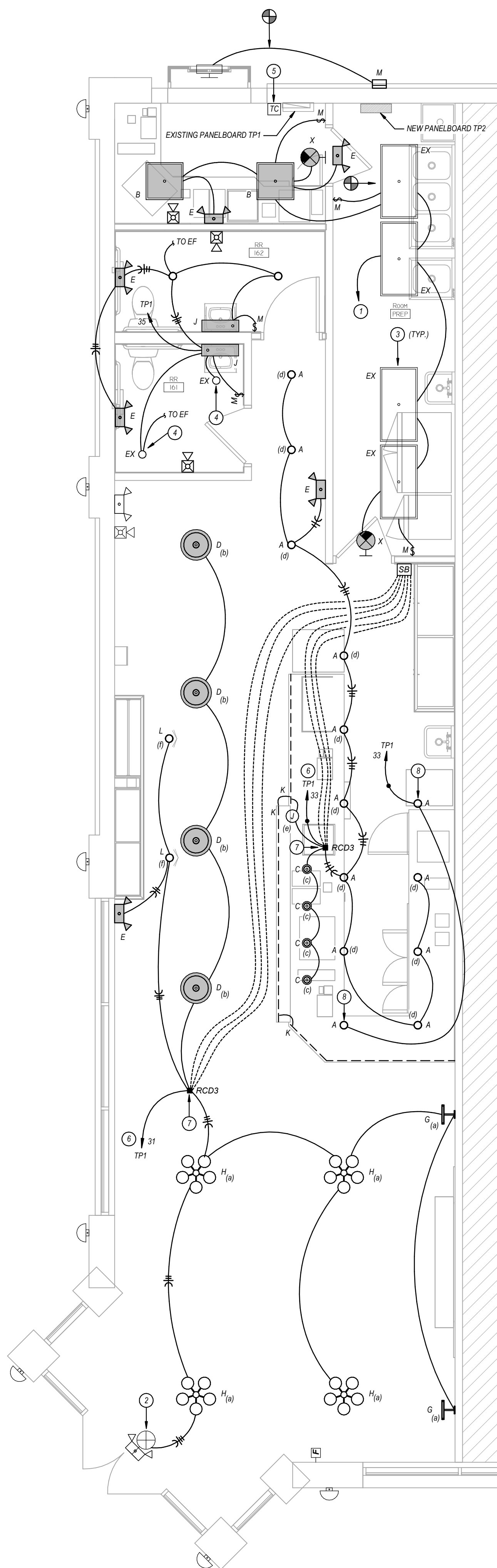
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NOT TO SCALE

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



1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN SWITCHED.

- 1 CONNECT TO EXISTING KITCHEN LIGHTING CIRCUIT
- 2 EXISTING EXIT LIGHT TO REMAIN. RECRUIT TO NEW LIGHTS.
- 3 EXISTING LIGHT TO REMAIN. CIRCUIT NEW LIGHT (TYPE B) TO EXISTING CIRCUIT
- 4 EXISTING LIGHT TO BE RECRUITED TO NEW LIGHTS.
- 5 EXISTING TIME CLOCK FOR MASTER OFF OF COMMON AREA LIGHTS.
- 6 ROUTE CIRCUIT THROUGH TIME CLOCK FOR MASTER OFF FUNCTION.
- 7 COORDINATE DIMMING WIRING AND CONFIGURATION WITH FIXTURES AND ROOM CONTROLLER.
- 8 DO NOT SWITCH FIXTURE. LIGHT IS TO REMAIN ON AT ALL TIMES.

SYMBOLS

- | | |
|------|--|
| \$M | WALL SWITCH VACANCY SENSOR, PASSIVE INFRARED, 120/277V, WALL SWITCH DECORA STYLE SENSOR, (WATTSTOPPER PN#101, OR EQUAL) |
| \$LD | ROOM CONTROLLER LOW VOLTAGE DIMMING SWITCHES, PUSHBUTTON SWITCHES WITH LED INDICATING LIGHTS SINGLE GANG IN DECORA STYLE FACEPLATE. (WATTSTOPPER LMDM-101) |
| RCD# | ROOM CONTROLLER, DIGITAL ON/OFF 0-10V DIMMING ROOM CONTROLLER, 120/277V INPUT, # INDICATES NUMBER OF RELAYS STD 1, 3, 5, UNITS SHALL BE GANGED FOR MORE THAN 3 RELAY ZONES) (WATTSTOPPER LMC200 SERIES OR EQUAL) |

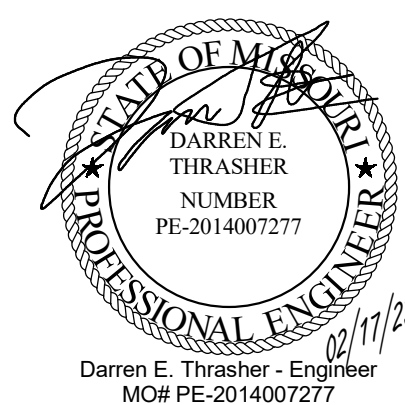
OWNER TRAINING:

- PROVIDE FACTORY REPRESENTATIVE TRAINING TO OWNER FOR EACH LIGHTING CONTROL SYSTEM UTILIZED, INCLUDING PROGRAMMING FOR SCHEDULING AND OPERATION OF EACH ROOM PER OWNER DIRECTION.
- PROVIDE RECORD OF TIME DELAY SETTINGS ON ALL SENSOR DEVICES FOR OWNER USE.

SENSOR ADJUSTMENTS AND SETTINGS:

- SYSTEMS SHALL BE SET/PROGRAMMED TO OPERATE TYPICALLY IN MANUAL OR AUTO OFF MODE.
- 1. SET WALL MOUNTED MOTION SENSOR TO MANUAL ON MODE.
- 2. SET POWER PACKS AND ROOM CONTROLLERS CONTROLLED BY MOTION SENSORS TO MANUAL ON AND CONTROL WITH MOMENTARY WALL SWITCH.
- PROVIDE FINAL SETTINGS/ADJUSTMENTS PER OWNER'S DIRECTION.

- TURN ON LIGHTS IN ROOM/AREA UPON BUTTON ON SENSOR BEING ACTIVATED BY OCCUPANT.
- TURN OFF LIGHTS AFTER NO MOTION IS DETECTED AND DELAY EXPIRES.



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ELECTRICAL -
LIGHTING

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