

DEMOLITION KEY NOTES:

- 1 REMOVE EXIST WALL AS SHOWN
- 2 REMOVE EXIST FRONT COUNTER AND WALL BELOW
- 3 NOT USED
- 4 REMOVE EXIST EQUIPMENT -VERIFY WITH McDONALD'S ACM IF IT'S TO BE REUSED
- 5 REMOVE EXIST CEILING AS REQ'D -VERIFY WITH McDONALD'S ACM IF IT'S TO BE REUSED
- 6 REMOVE EXIST ELECTRICAL AS REQ'D (SEE ELEC) -VERIFY WITH McDONALD'S ACM IF IT'S TO BE REUSED
- 7 REMOVE EXIST MECHANICAL AS REQ'D (SEE MECH) -VERIFY WITH McDONALD'S ACM IF IT'S TO BE REUSED

DEMOLITION PLAN NOTES:

- 1. EXISTING TO REMAIN UNLESS NOTED OTHERWISE (UNO).
- 2. CONTRACTOR TO VERIFY WALL CONSTRUCTION PRIOR TO DEMOLITION AND NOTIFY ARCHITECT IF CONDITION DIFFERS FROM WHAT IS SHOWN ON THE PLANS.
- 3. PRIOR TO REMOVAL OF ANY ITEMS VERIFY WITH McDONALD'S AREA CONSTRUCTION MANAGER IF THEY ARE TO BE REUSED, AND IF THEY ARE TO BE REUSED TAKE CAUTION IN REMOVING SO AS TO NOT DAMAGE ITEMS BEYOND USE.

LINETYPE LEGEND:

- EXISTING TO REMAIN
- - - EXISTING TO BE REMOVED
- - - LINE ABOVE/BELOW TO REMAIN
- - - EXISTING WALL TILE TO BE REMOVED
- /// NO WORK THIS AREA

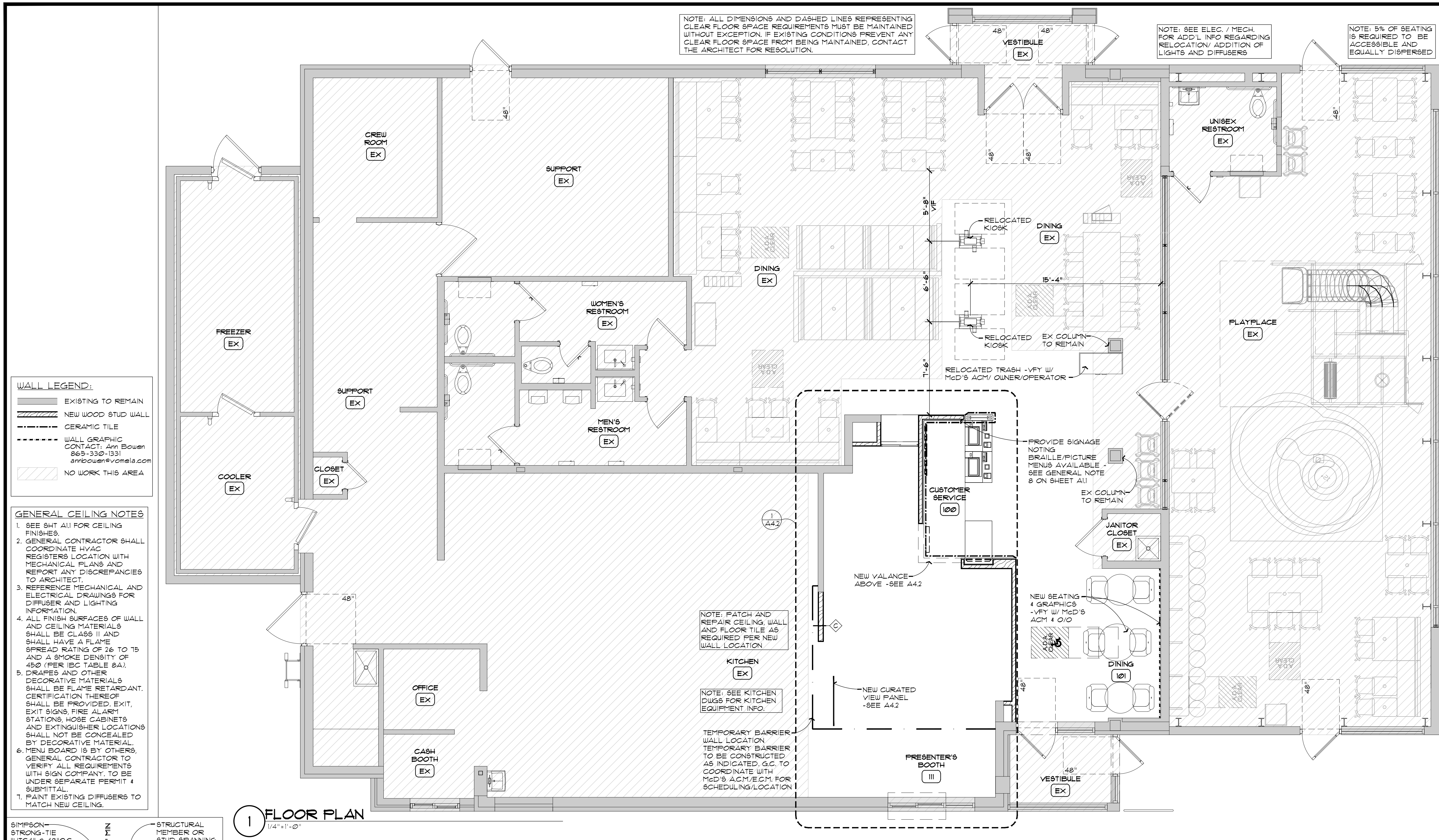


McDonald's RESTAURANT
2023 SAO BACKCAST REMODEL
State Site Code: 024-0051 Nat'l Number: 1916
7887 STATE LINE RD, KANSAS CITY, MO 64114

PARTIAL DEMOLITION FLOOR AND REFLECTED CEILING PLANS

PREPARED FOR: McDonald's USA, LLC
DATE ISSUED: 03/17/2023
PERMIT: 03/17/2023

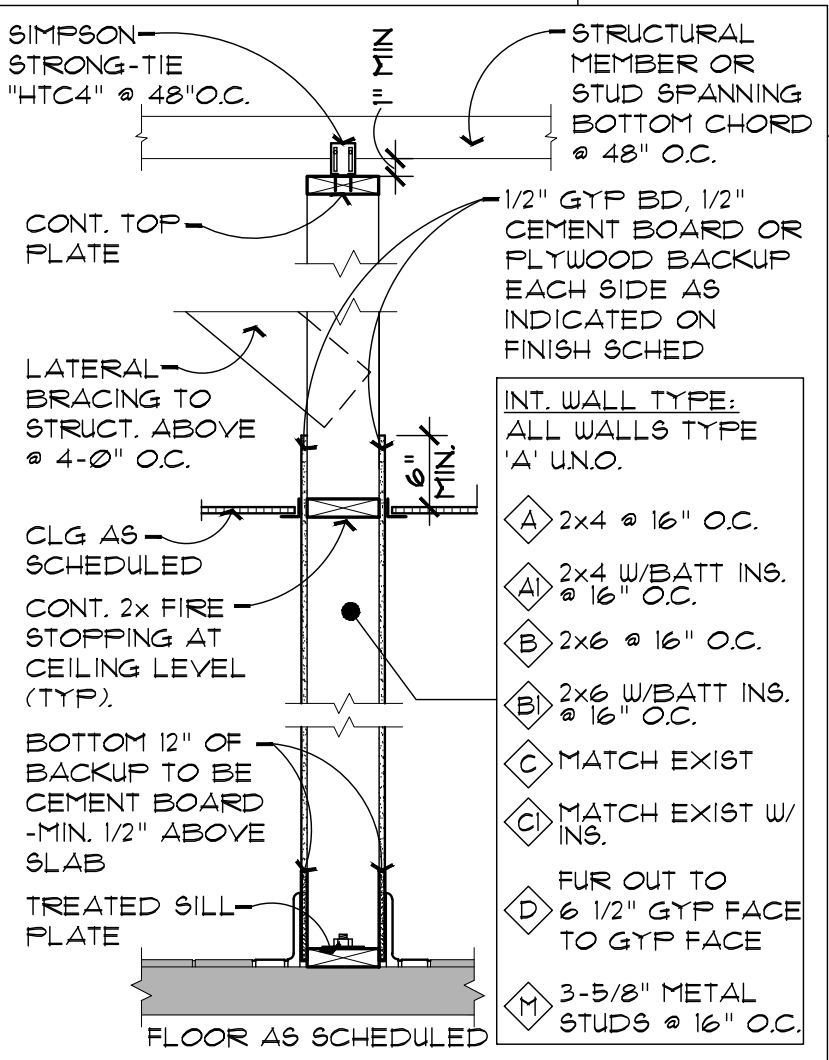
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CHECKED BY: KD
JOB NO.: 22188



- WALL LEGEND:**
- EXISTING TO REMAIN
 - NEW WOOD STUD WALL
 - CERAMIC TILE
 - WALL GRAPHIC CONTACT: Amy Bowen 866-330-1351 ambowen@vcmela.com
 - NO WORK THIS AREA

- GENERAL CEILING NOTES:**
1. SEE SH1 ALL FOR CEILING FINISHES.
 2. GENERAL CONTRACTOR SHALL COORDINATE HVAC REGISTER LOCATION WITH MECHANICAL PLANS AND REPORT ANY DISCREPANCIES TO ARCHITECT.
 3. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR DIFFUSER AND LIGHTING INFORMATION.
 4. ALL FINISH SURFACES OF WALL AND CEILING MATERIALS SHALL BE CLASS II AND SHALL HAVE A FLAME SPREAD RATING OF 26 TO 75 AND A SMOKE DENSITY OF 450 (PER IBC TABLE 8A).
 5. DRAPES AND OTHER DECORATIVE MATERIALS SHALL BE FLAME RETARDANT. CERTIFICATION THEREOF SHALL BE PROVIDED. EXIT, EXIT SIGNS, FIRE ALARM STATIONS, HOSE CABINETS AND EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED BY DECORATIVE MATERIAL.
 6. MENU BOARD IS BY OTHERS. GENERAL CONTRACTOR TO VERIFY ALL REQUIREMENTS WITH SIGN COMPANY. TO BE UNDER SEPARATE PERMIT & SUBMITTAL.
 7. PAINT EXISTING DIFFUSERS TO MATCH NEW CEILING.

1 FLOOR PLAN
1/4" = 1'-0"



2 WALL TYPE DETAIL
N.T.S.

- GENERAL NOTES:**
1. FIELD VERIFY ALL DIMENSIONS W/ EXISTING BUILDING CONDITIONS.
 2. PATCH AND REPAIR WALL/FLOOR TILE IF REQUIRED FOR KITCHEN EQUIPMENT RELOCATION. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING.
 3. INTERIOR FINISHES IN NEW CONSTRUCTION AREA TO MATCH EXIST OR ACM APPROVED ALTERNATE.
 4. SEE FLOOR PLAN FOR WINDOW TYPES.
 5. MAXIMUM OCCUPANCY SIGN TO BE POSTED PER LOCAL CODE. SIGN FURNISHED AND INSTALLED BY GC.
 6. ALL NEW HAND SINK LOCATIONS SHALL HAVE CEMENT BOARD BACKING 48" IN HEIGHT AFF. GC TO COORDINATE ALL REQUIRED BLOCKING FOR WALL HUNG EQUIPMENT, SHELVES, ETC. FOR PROPER INSTALLATION HEIGHTS.
 7. GC TO PROVIDE ADA SIGNAGE PACKAGE AND INSTALL SIGNS AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE OR AS REQUIRED BY LOCAL CODES. SIGNAGE PACKAGE SUPPLIED BY: FRANKIE
 8. ORDER BY: PHONE: 1-800-423-5247 ONLINE: www.franksupply.com EMAIL: fs-franksupply@franke.com

ROOM FINISH SCHEDULE

MARK	ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
100	CUSTOMER SERVICE	●	●	●	●	TILE AS NOTED ON ALL, VERIFY FINISHES WITH McD'S ACM
101	DINING	●	●	●	●	VERIFY FINISHES WITH McD'S ACM
104	VESTIBULE (NOT USED)	●	●	●	●	SEE NOTE 1 FOR WALL FINISH EXCEPTIONS
109	SUPPORT (NOT USED)	●	●	●	●	
110	CASH BOOTH (NOT USED)	●	●	●	●	
111	PRESENTER	●	●	●	●	TILE AS NOTED ON ALL, MATCH EXISTING, VERIFY FINISHES WITH McD'S ACM
112	KITCHEN (NOT USED)	●	●	●	●	
113	OFFICE (NOT USED)	●	●	●	●	
EX	EXISTING	●	●	●	●	● EXISTING TO REMAIN

- GENERAL NOTES:**
1. ALL FINISH SURFACES OF WALL AND CEILING MATERIALS SHALL BE CLASS B AND SHALL HAVE A FLAME SPREAD RATING OF 26 TO 75 AND A SMOKE DENSITY OF 450 MAX. (PER IBC TABLE 803.3).
 2. DECORATIVE MATERIALS SHALL BE FLAME RETARDANT AND MEET THE CRITERIA OF NFPA 101.
 3. DECORATIVE MATERIAL SHALL NOT CONCEAL EXITS, EXIT LIGHTS, ALARM STATIONS, HOSE CABINETS, AND EXTINGUISHER LOCATIONS.
 4. WHEN BUILDING TYPE IS A NON-COMBUSTIBLE CATEGORY, ALL PLYWOOD SHALL BE FIRE RETARDANT TREATED.
 5. A) FRP OVER CEMENT BD BEHIND 3-COMP SINK TO HGT OF BACK SPLASH B) FRP OVER CEMENT BD, OVER EXT GRADE FLYWOOD (NOTE 5) AT MOP SINKS
 6. PROVIDE CEMENT BOARD BACKER OR EQUIVALENT AT ALL TILE LOCATIONS.
 7. QUARRY TILE 6x6 ABRASIVE TILE WITH EPOXY BLACK GROUT. USE ONLY APPROVED TILE SERIES AND COLORS BY DALTILE.
 8. FLOOR TILE: MAIN & ACCENT: EUROQUEST 12x24 (SIZE 4 SERIES MAY VARY). USE ONLY APPROVED TILE SERIES AND COLORS BY EUROQUEST, DAL TILE AND CROSSVILLE. VERIFY COLOR AND PATTERN WITH DECOR COMPANY. A) MUST BE PER McDONALD'S USA, LLC STANDARDS FOR INTERIOR FLOOR TILE AND APPROVE TILE LIST. B) MUST BE NO LARGER THAN 6"x36", 12"x24" OR 13"x20" C) MUST MEET THE FOLLOWING:
 - STATIC COEFFICIENT OF FRICTION (PER ASTM F1611-96): LEVEL SURFACES: MINIMUM 0.50 DRY AND WET (McDONALD'S STANDARD)
 - DYNAMIC COEFFICIENT OF FRICTION (PER ANSI A137.1 2012): LEVEL SURFACES: MINIMUM 0.5 DRY AND WET (McDONALD'S STANDARD)
 9. TILE TRANSITION AND EDGE PROTECTION:
 - A) TILE BASE (RESTROOMS ONLY): SCHLUTER DILEX-AHK, SERIES BRUSHED STAINLESS STEEL
 - B) TILE EDGE PROTECTION (WALL TRANSITION): SCHLUTER-RONDEC-DB, SATIN ANODIZED ALUMINUM.
 - C) TILE CORNER PROTECTION (OUTSIDE CORNER): SCHLUTER-RONDEC-AE, SATIN ANODIZED ALUMINUM.
 - D) SEE DECOR DRAWINGS FOR ALL LOCATIONS
 10. APPLY "TEC HYDRAPLEX WATERPROOFING CRACK ISOLATION MEMBRANE" AT ALL CONTROL JOINTS IN CONCRETE FLOOR BETWEEN SLAB AND TILE.



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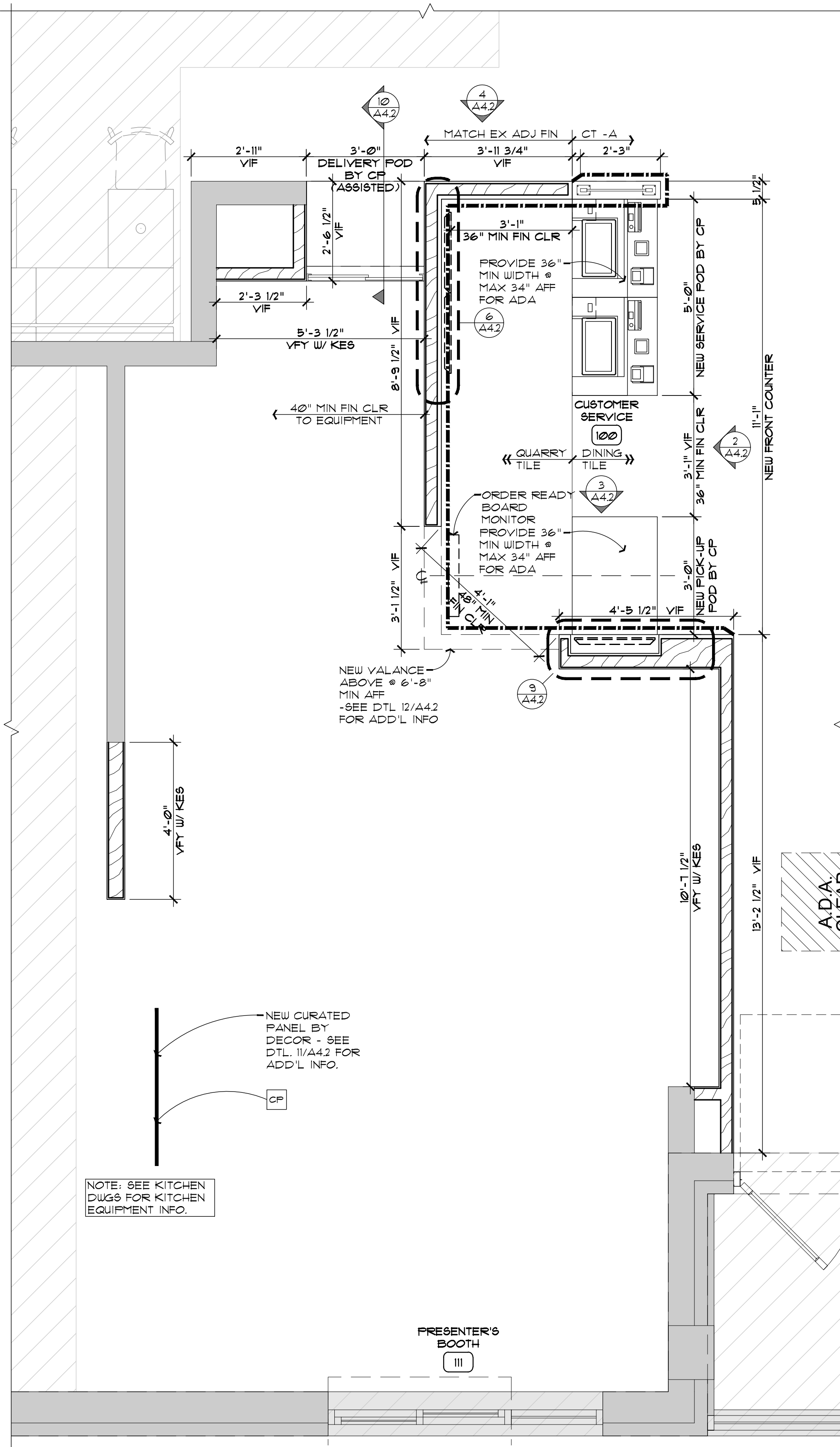
FLOOR PLAN, DETAILS & ROOM FINISH SCHEDULE

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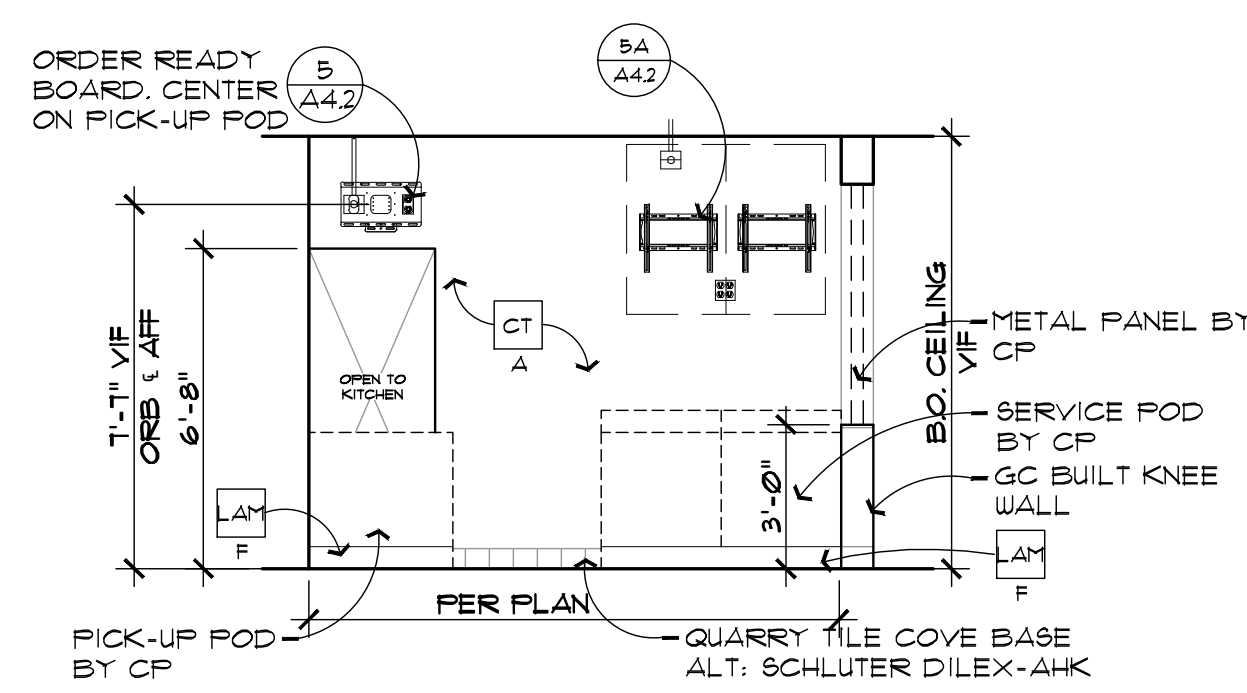
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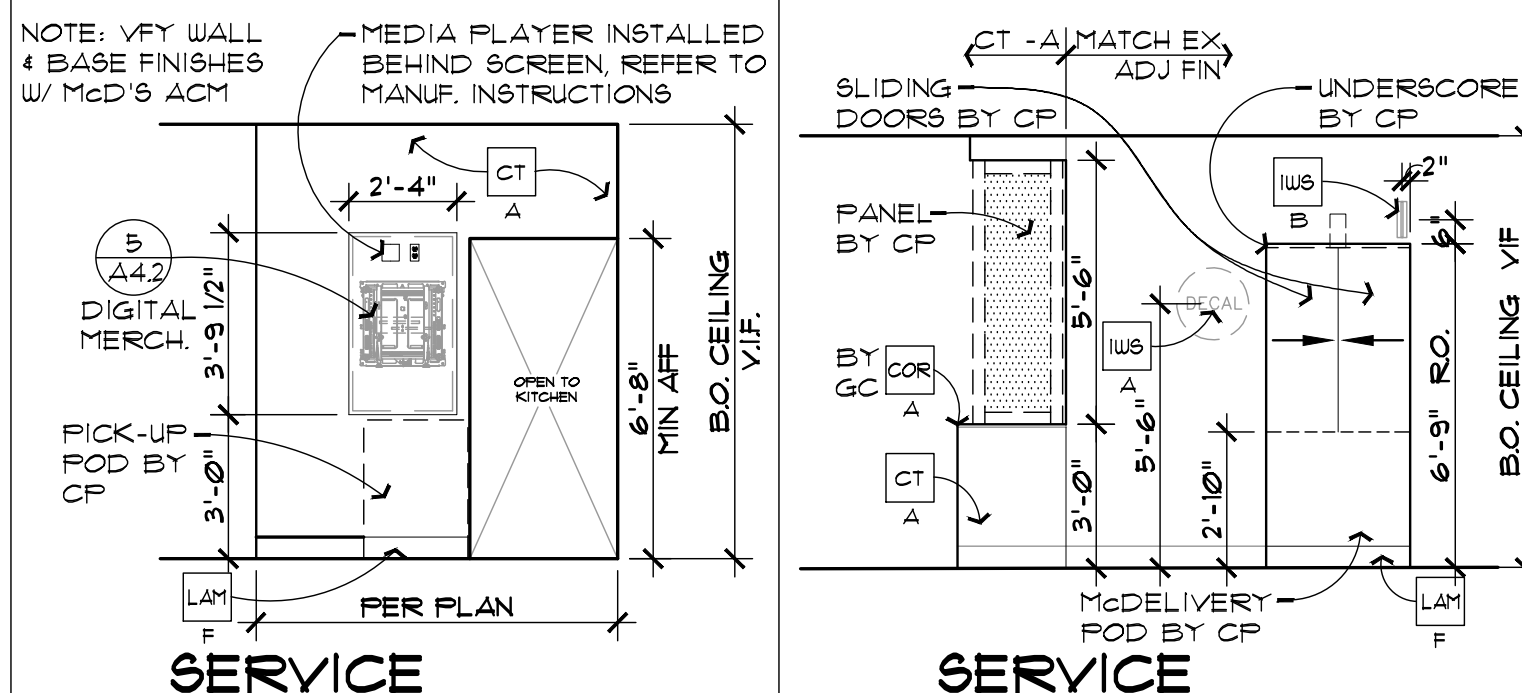
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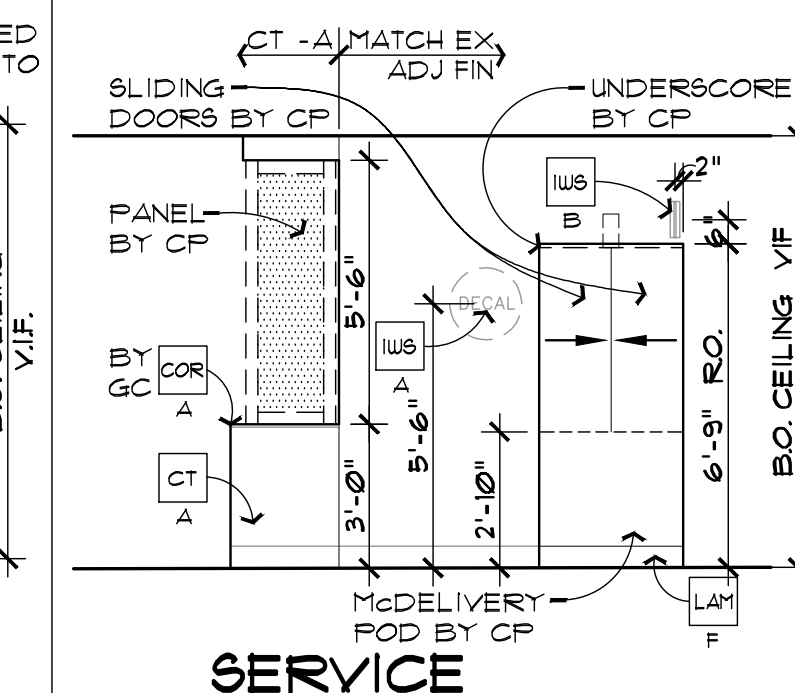
1 ENLARGED FRONT COUNTER PLAN
1/2" = 1'-0"



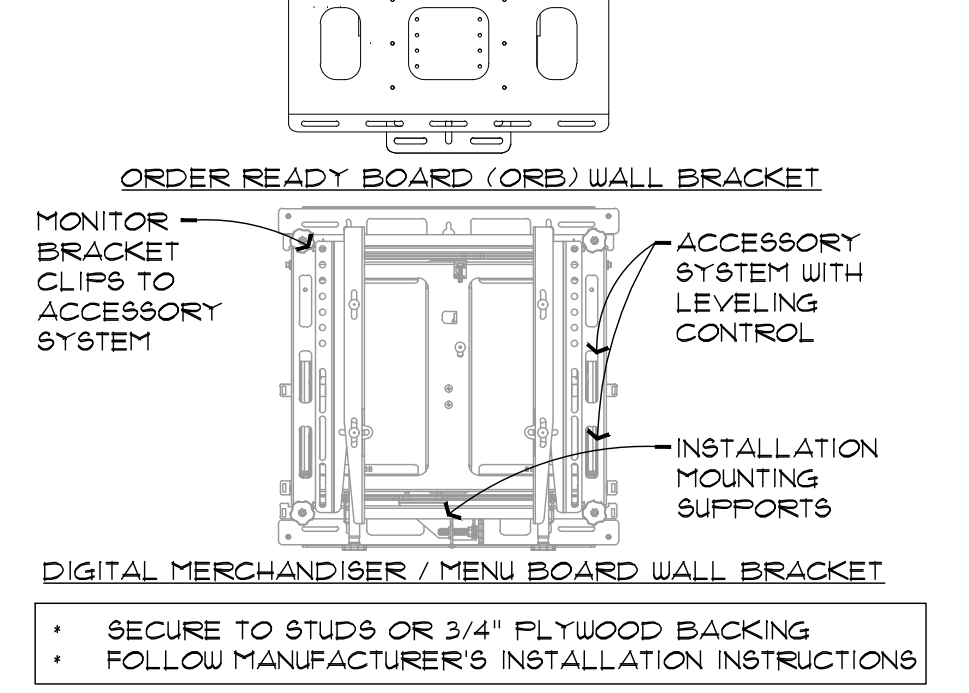
2 SERVICE AREA ELEVATION
N.T.S. (FOR REFERENCE ONLY)



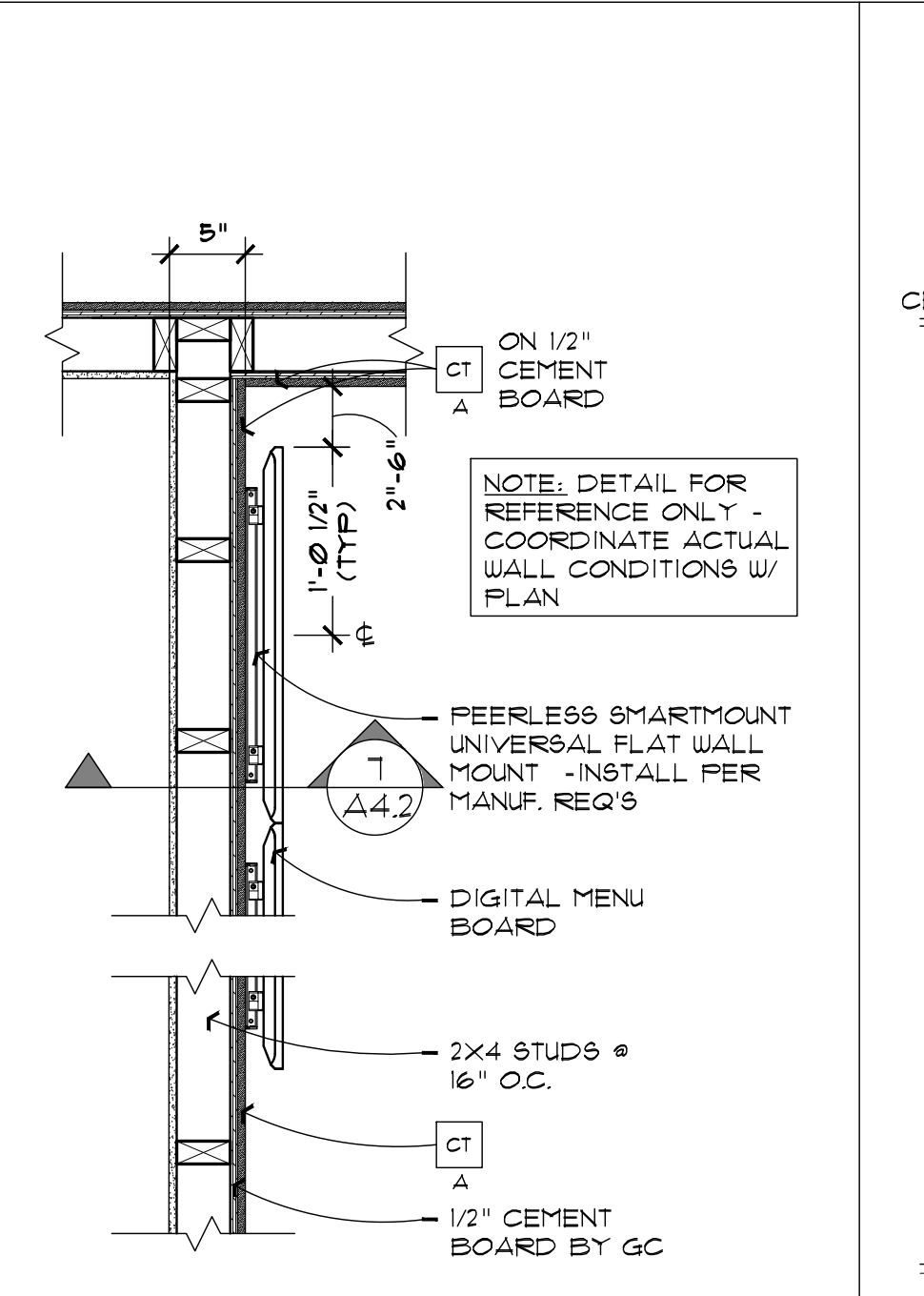
3 SERVICE AREA ELEVATION
N.T.S. (FOR REFERENCE ONLY)



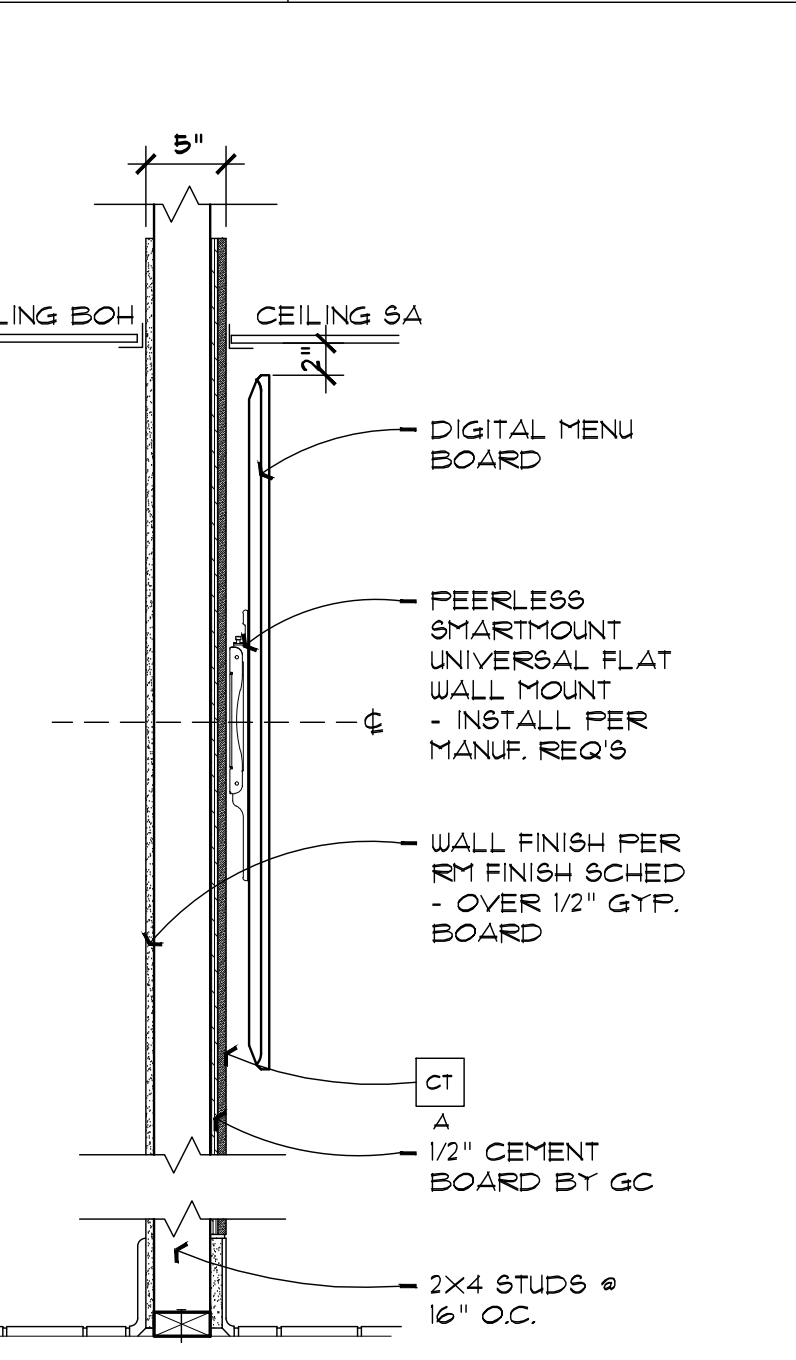
4 SERVICE AREA ELEVATION
N.T.S. (FOR REFERENCE ONLY)



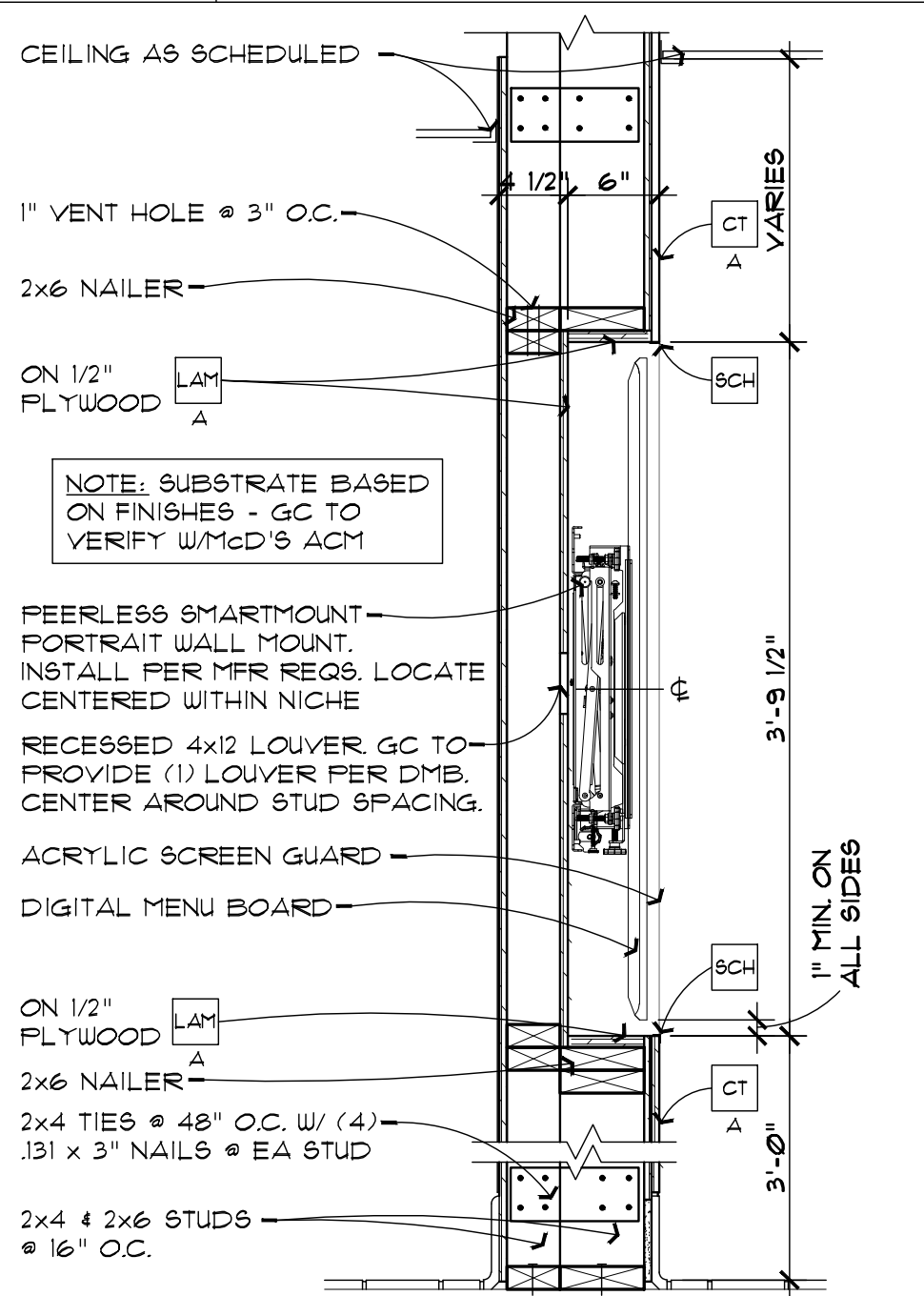
5 DIGITAL BOARD BRACKET
1" = 1'-0"



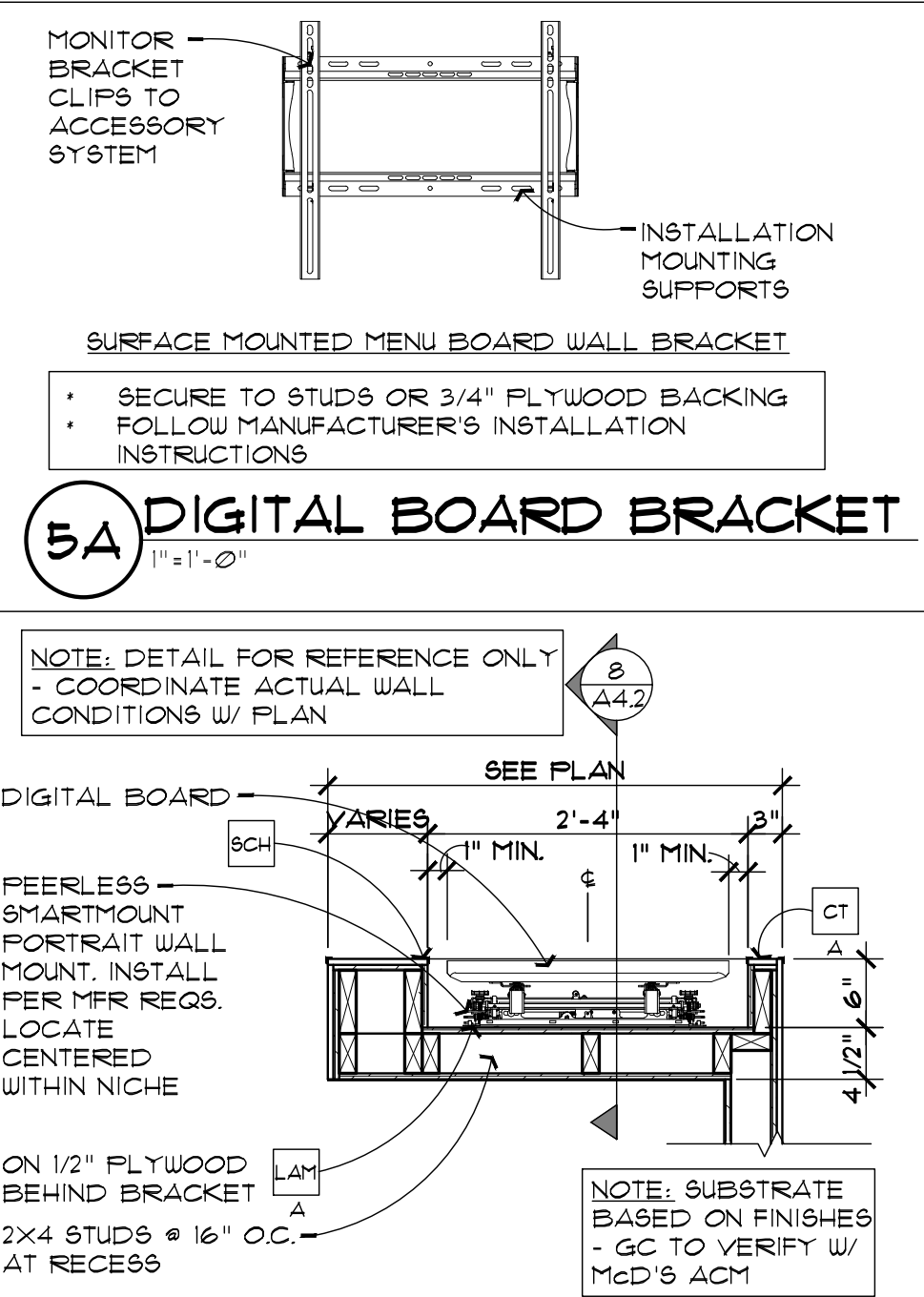
6 PLAN DETAIL @ MENU BOARDS
1" = 1'-0"



7 SECTION @ MENU BOARDS
1" = 1'-0"

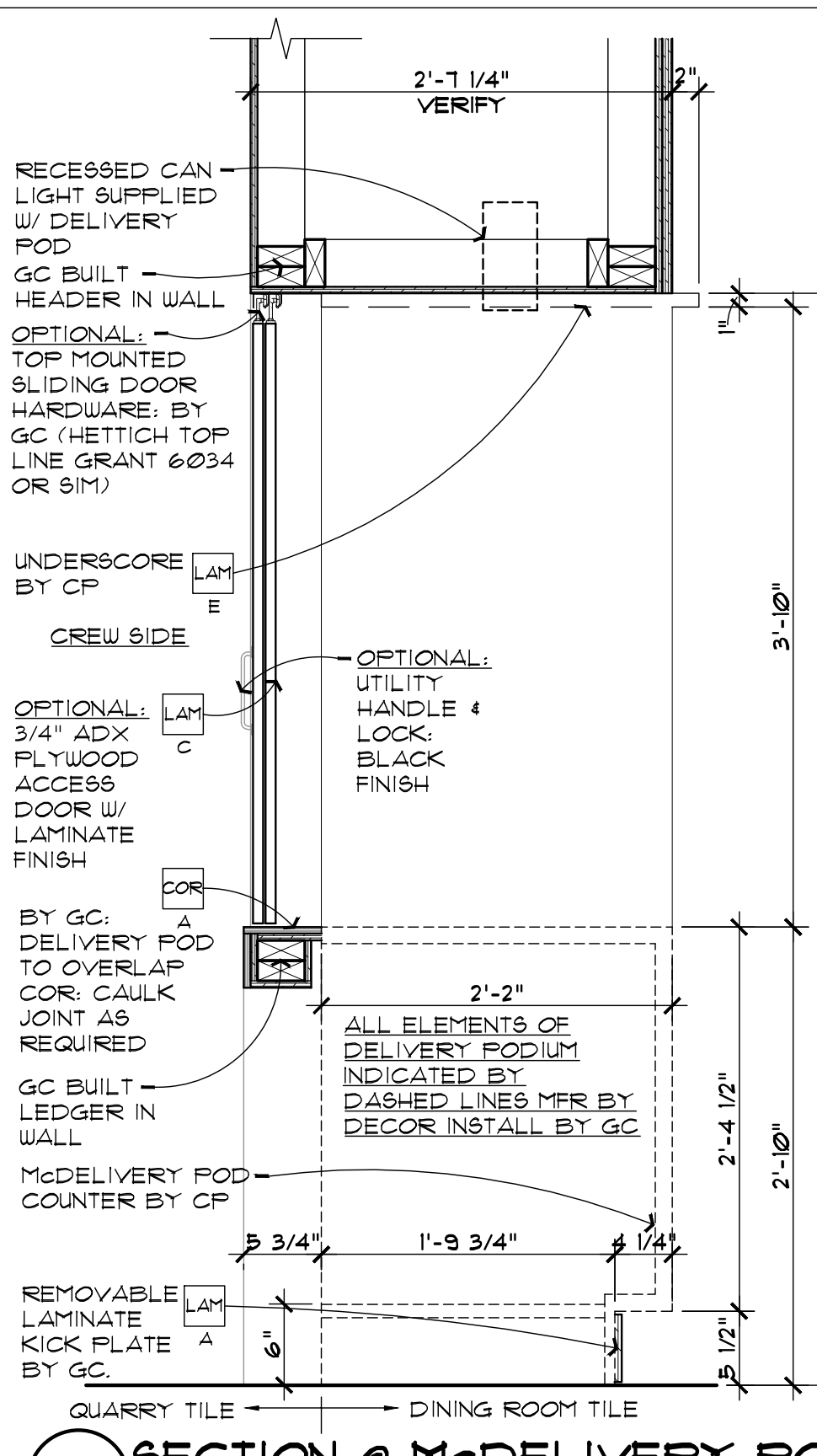


8 SECTION - DIGITAL MERCHANDISER
1" = 1'-0"

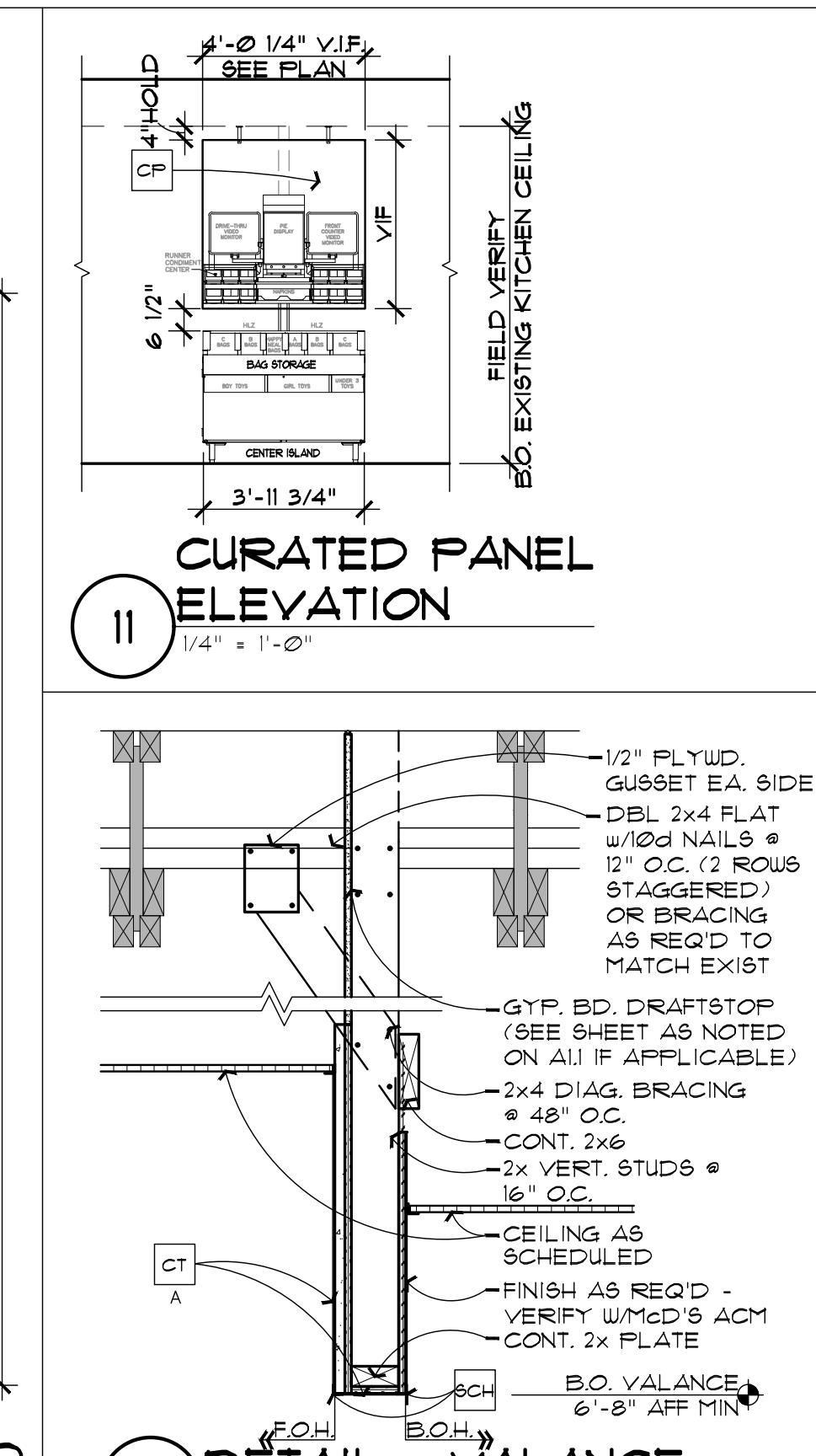


9 PLAN DTL - DIGITAL MERCHANDISER
3/4" = 1'-0"

- KEYNOTES:** ** COORDINATE ALL FINISHES WITH McDONALD'S ACM PRIOR TO INSTALLATION
- COR** CORIAN:
 - COLOR:
 - A = 1/2" CORIAN CAMEO WHITE BY GC
 - B = 1/2" CORIAN DEEP TITANIUM BY GC
 - CP** DARK CURATED VIEW PANEL:
 - COLOR: WILSONART - STEEL MESH 4879-38
 - LIGHT CURATED VIEW PANEL:
 - COLOR: WILSONART - FASHION GRAY D381-60
 - NOTE: GC TO RECEIVE CURATED PANEL MOUNTS FROM 84D VENDOR
 - CT** TILE:
 - COLOR:
 - A = DARK: PORCELAIN WALL TILE: EUROQUEST COLOR: NOIR SIZE: 4"x12" PATTERN: STACK BOND GROUT: MAPEI - 41 CHARCOAL - JOINT TO BE 1/16" MAX.
 - B = LIGHT: PORCELAIN WALL TILE: CROSSVILLE COLOR: BY NUMBERS COLOR: INTUITIVE GRAY SIZE: 4"x12" PATTERN: RUNNING BOND GROUT: MAPEI 02 PEUTER - JOINT TO BE 1/16" MAX.
 - USE THIS TILE WHEN HIGH LRV IS REQUIRED COORDINATE WITH THE McDONALD'S AREA CONSTRUCTION MANAGER.
 - FP** FIBERGLASS REINFORCED PLASTIC (FRP) - PANOLAM GRAY SMOOTH CLASS C, 0715. REFER TO ROOM FINISH SCHEDULE SHEET A4.1 FOR INSTALLATION LOCATIONS. FOR ORDERING, CONTACT Kimberly Lawson Kimberly.Lawson@panolam.com 1-866-925-4377
 - MS** INTERIOR WAYFINDING SIGNAGE
 - A = McDELIVERY WALL DECAL
 - B = MOBILE ORDER INTERIOR BLADE SIGN
 - C = ADA ASSISTANCE SIGNAGE
 - D = McDELIVERY + MOBILE ORDER SOFFIT DECAL
 - KS** KIOSK SIGNAGE BY GC. ORDER FROM: AMANDA GUSTAFSON W/ ALTURA (agustafson@altura.com)
 - A = CREDIT ONLY: KIOSK SIGNAGE
 - B = CASH/CREDIT KIOSK SIGNAGE
 - LAM** LAMINATE:
 - COLOR:
 - A = IDMB/DIG. MERCH. SMOOTH BLACK PLASTIC LAMINATE BY GC
 - B = TRASH/COND. WHITE PLASTIC LAMINATE BY GC
 - C = TRASH/COND. LAMITECH GRAPHITE K MATTE FINISH BY GC
 - D = MFR BY DECOR. PURCHASE AND INSTALL BY GC - VERIFY W/ MCD'S ACM
 - E = McDELIVERY UNDERSCORE, LAMITECH GOLDEN F = BASE BOARD, FORNICA COMPACT LAMINATE MATTE BLACK BY GC
 - SCH** DARK SCHLUTER: 3/8" QUADREX TRENLINE QUADREX COLOR: TUSCAN ALUMINUM
LIGHT SCHLUTER: 3/8" QUADREX TRENLINE QUADREX COLOR: SATIN ANODIZED ALUMINUM
- ALL WALL LAMINATE PANELING MFR BY DECOR PURCHASE & INSTALL BY GC UNO
 - ALL ELEMENTS BY CP TO BE ORDERED BY CENTRAL PURCHASING AND INSTALLED BY GC. UNO ARE TO VERIFY LOCATION AND QUANTITY OF LIGHTS AND DIFFUSERS AFTER SERVICE AREA WALL ADDITION



10 SECTION @ McDELIVERY POD
1" = 1'-0" (DECOR PROVIDED)



11 CURATED PANEL ELEVATION
1/4" = 1'-0"



12 DETAIL - VALANCE
1" = 1'-0"



PREPARED FOR: **McDonald's USA, LLC**

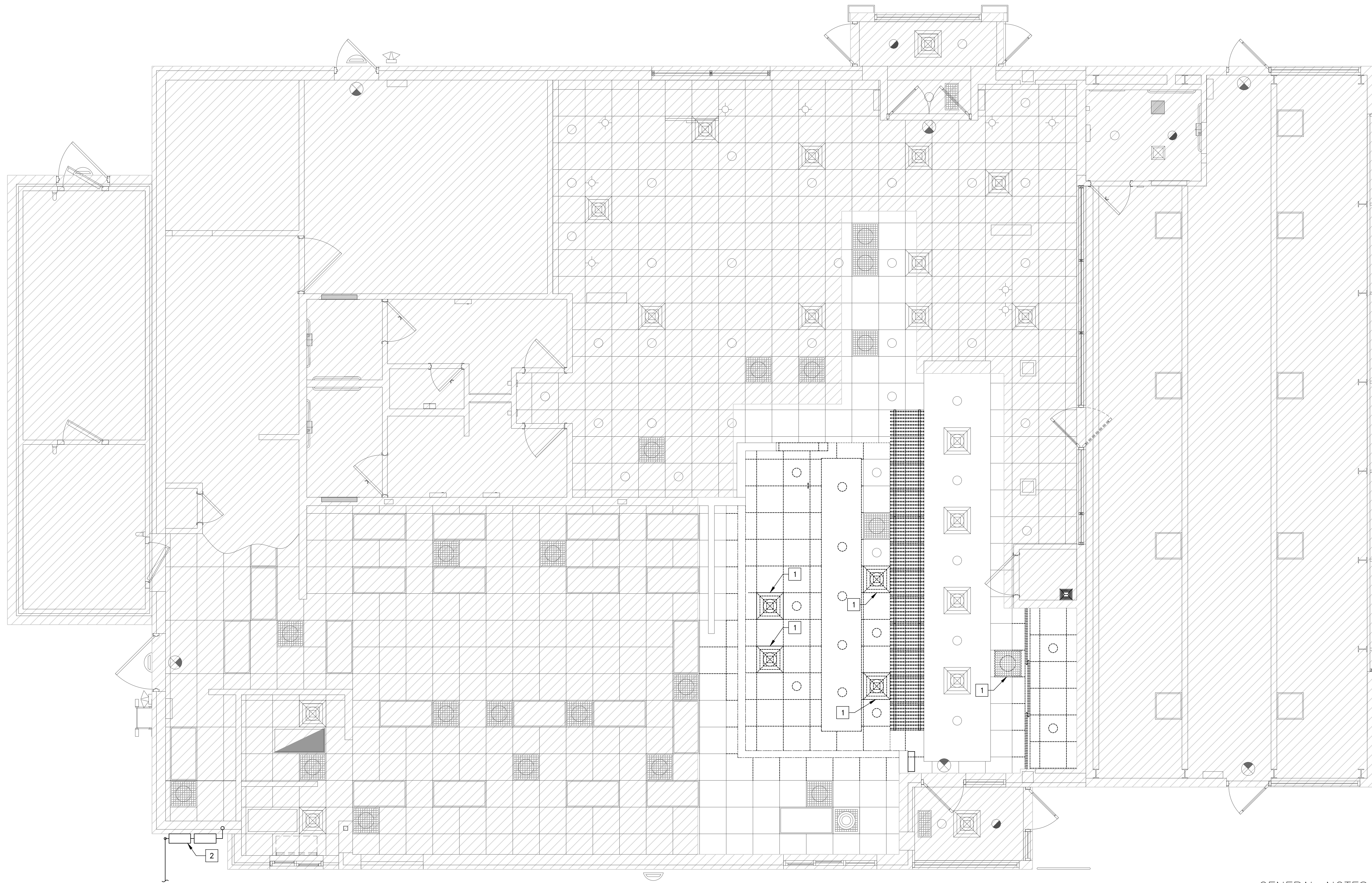
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CHECKED BY: **KD**

JOB NO.: **22188**



1 DEMOLITION CEILING PLAN
1/4" = 1'-0"

PRIOR TO BID, THE CONTRACTOR SHALL REVIEW THE MECHANICAL, ELECTRICAL AND KITCHEN EQUIPMENT DRAWINGS. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL RELEVANT WORK IN THE ENTIRE SET OF DOCUMENTS AND REPORT ALL DISCREPANCIES BETWEEN THESE DRAWINGS TO THE ENGINEER PRIOR TO BIDDING FOR CLARIFICATION. IF DISCREPANCIES REMAIN UNRESOLVED DUE TO A SHORT TIME FRAME, THE CONTRACTOR SHALL INCLUDE THE MOST WORK AND THE HIGHER COSTS IN THE BID. SOLUTIONS TO UNREPORTED DISCREPANCIES WILL BE DETERMINED BY THE ARCHITECT/ENGINEER, WITH NO ADDITIONAL COMPENSATION DUE TO THE CONTRACTOR.

DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED AS SUPPLEMENTING EACH OTHER. WORK SPECIFIED BUT NOT SHOWN ON DRAWINGS, OR SHOWN ON DRAWINGS BUT NOT SPECIFIED, SHALL BE PERFORMED OR FURNISHED AS THOUGH MENTIONED IN BOTH SPECIFICATIONS AND DRAWINGS. IF NOT OTHERWISE DIRECTED, INSTALLATION OF ALL SYSTEMS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE WORK DESCRIBED IN THE SPECIFICATIONS IS IN CONFLICT WITH THE WORK SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL SUPPLY THE GREATER QUANTITY, QUALITY AND COST VIA THE BID AND CONTACT THE ENGINEER FOR CLARIFICATION ON DIRECTION PRIOR TO INSTALLATION.

GENERAL NOTES:

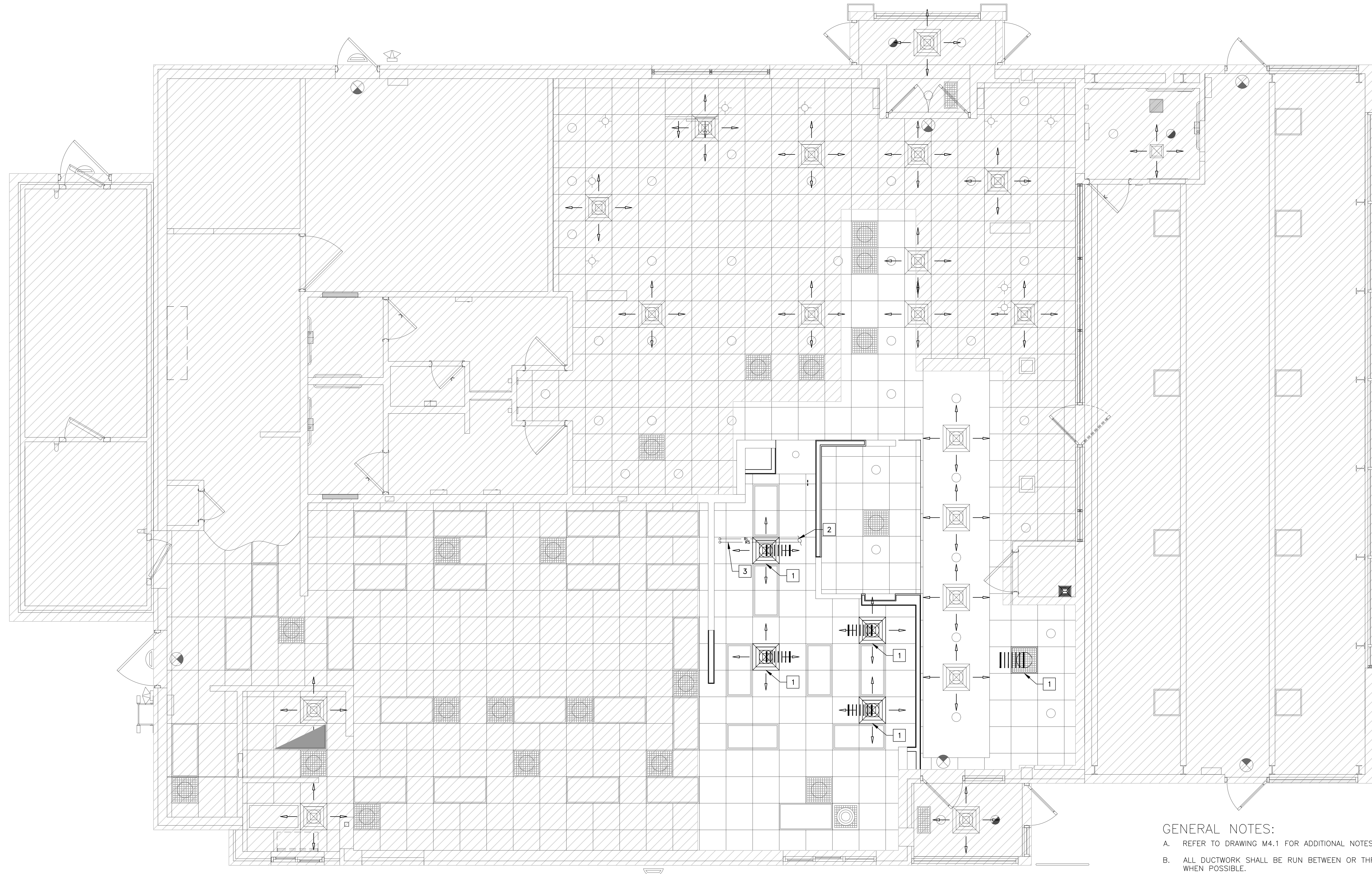
- A. REFER TO DRAWING M4.1 FOR ADDITIONAL NOTES.
- B. THE CONTRACTOR SHALL THOROUGHLY REVIEW DEMOLITION AND CONSTRUCTION DRAWINGS AND BE FULLY AWARE OF DESIGN INTENT. ADDITIONAL WORK REQUIRED DUE TO DEVIATIONS FOUND OF EXISTING DEVICE LOCATIONS OR AFTER CEILING, WALLS AND FLOORS ARE OPENED UP SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.

KEY NOTES

- 1 DISCONNECT AND RELOCATE EXISTING MECHANICAL SYSTEM COMPONENTS. DUCTWORK MAY BE REUSED IN NEW CONSTRUCTION, CAP OFF ALL UNUSED OPENINGS.
- 2 APPROXIMATE LOCATION OF EXISTING GAS METER TO REMAIN.

IF YOU HAVE ANY QUESTIONS REGARDING THE PLANS, PLEASE CALL THE DESIGNER.

DESIGNER: Wendy Wenborg
PHONE: 952-540-4047
EMAIL: wwenborg@epinc.com



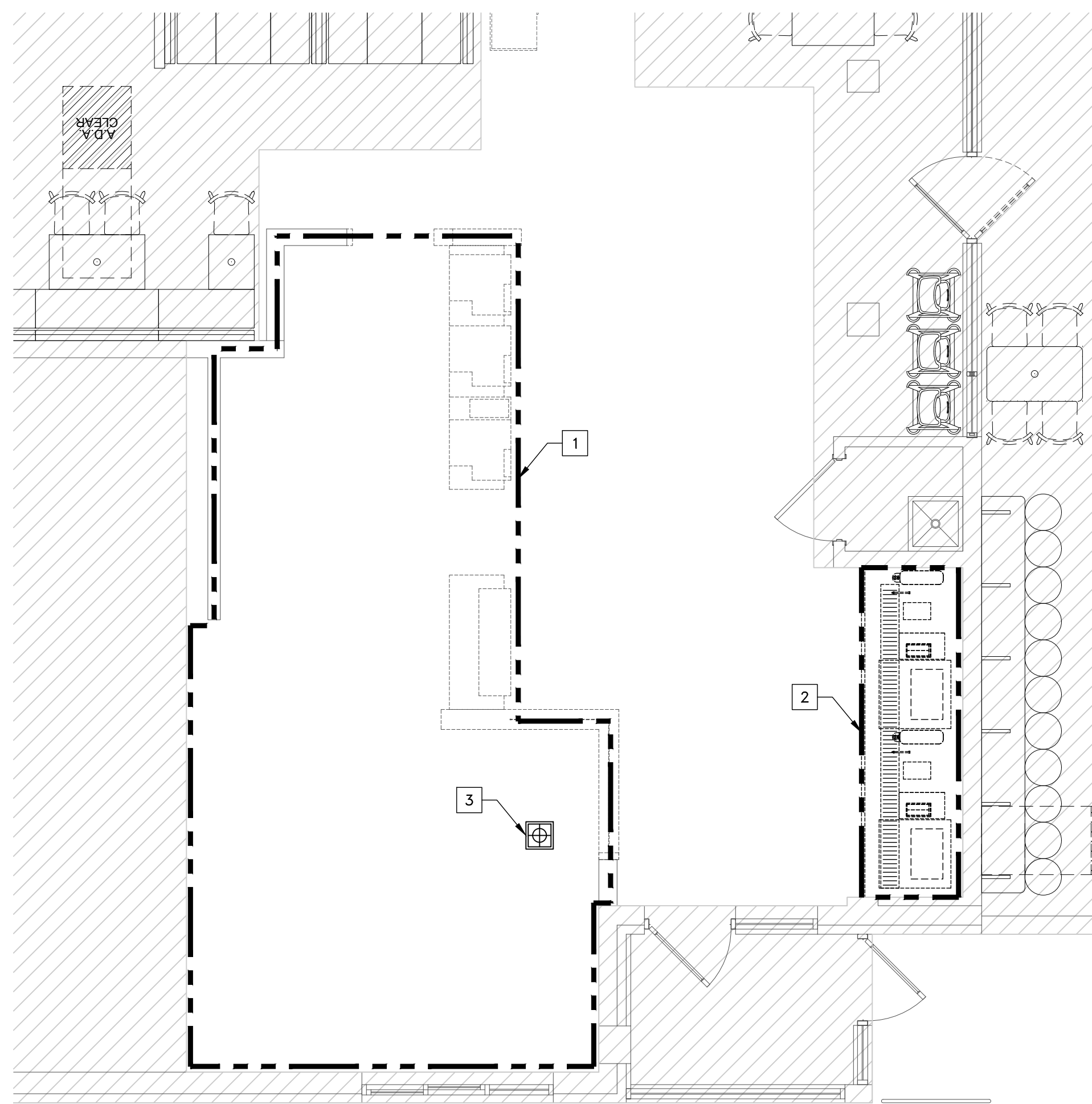
1 CEILING AND ROUGH-IN PLAN
 1/4" = 1'-0"

GENERAL NOTES:

- A. REFER TO DRAWING M4.1 FOR ADDITIONAL NOTES.
- B. ALL DUCTWORK SHALL BE RUN BETWEEN OR THROUGH THE JOISTS WHEN POSSIBLE.
- C. DUCT SIZES SHOWN ARE INTERNAL FREE AREA DIMENSIONS UNLESS NOTED OTHERWISE.
- D. ALL SHEET METAL DUCTWORK SHALL BE EXTERNALLY INSULATED. INSULATION IS NOT SHOWN FOR CLARITY. SEE MECHANICAL NOTES FOR INSULATION REQUIREMENTS.
- E. ALL EXISTING DIFFUSERS SHALL BE CLEANED AND REPAINTED TO MATCH NEW CEILING.

KEY NOTES

- 1** NEW LOCATION FOR RELOCATED REGISTER/DIFFUSER, RECONNECT BACK TO EXISTING DUCTWORK. PROVIDE NEW BORDER TYPE IF REQUIRED. BALANCE TO REMAIN UNCHANGED.
- 2** REFRIGERANT LIQUID AND SUCTION LINES UP THROUGH ROOF TO NEW CONDENSING UNIT (SEE DETAIL 1 ON DRAWING M4.1). COORDINATE EXACT LOCATION OF NEW CONDENSING UNIT ON ROOF WITH ACM. REUSE ROOF PORTALS AS MUCH AS POSSIBLE. PATCH ROOF AS REQUIRED.
- 3** ROUTE REFRIGERATION AND SUCTION LINES TO NEW ICE MACHINE LOCATION AS SHOWN, ROUTE BACK TO NEW CONDENSING UNITS, FIELD VERIFY EXACT LENGTH OF RUN.



1 DEMOLITION PLAN

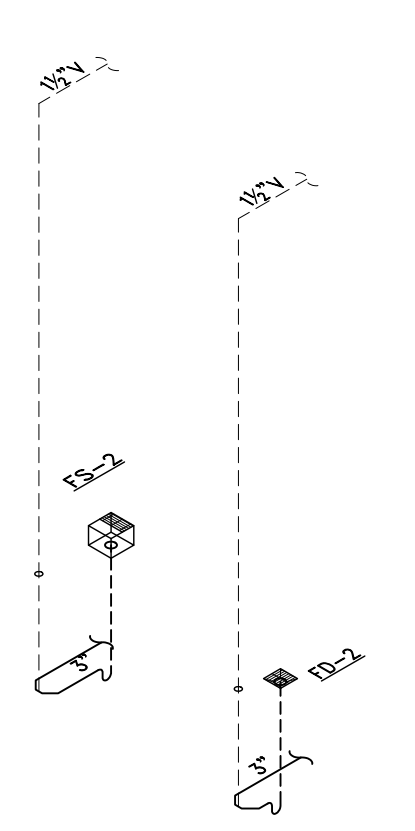
1/4" = 1'-0"

DEMOLITION GENERAL NOTES:

- A. REFER TO DRAWING P2.1 FOR ADDITIONAL NOTES.
- B. VERIFY EXACT LOCATION OF SANITARY EXISTING LINES AND MAIN VENTS PRIOR TO ANY FLOOR CUTTING.
- C. REUSE EXISTING PIPING IN NEW CONSTRUCTION WHENEVER POSSIBLE. CLEAN AND REFURBISH PIPING AS NECESSARY FOR PRESSURE TEST FOR 100 LBS.

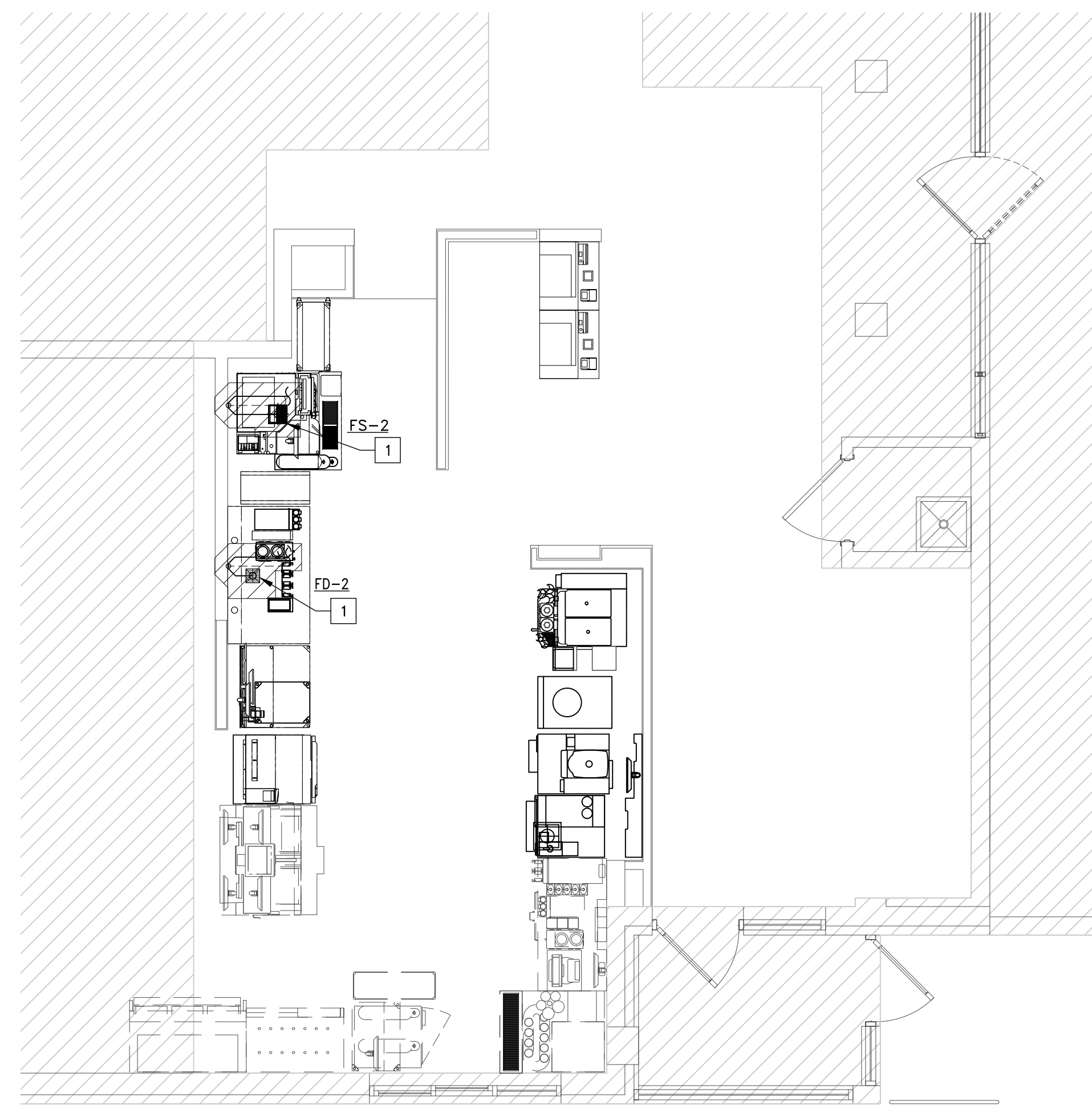
DEMOLITION KEY NOTES

- 1 REFER TO PLUMBING SCHEDULE FOR LIST OF EQUIPMENT IN THIS AREA. CAP ALL UNUSED CONNECTIONS ABOVE CEILING OR BELOW FLOOR.
- 2 REMOVE EXISTING FLOOR DRAIN OR FLOOR SINK, BACK FILL, COMPACT AND PATCH CONCRETE TO MATCH. G.C. SHALL PROVIDE FINAL FLOOR FINISHES I.E. CERAMIC TILE, ECT. AND PATCH WALL AS REQUIRED. REFER TO HATCHED AREA ON DRAWING FOR CUT AND PATCH AREAS. REMOVE SODA TOWER, ICE MACHINES, AND CONDIMENTERS.
- 3 APPROXIMATE LOCATION OF EXISTING FLOOR SINK. IF EXISTING LOCATION DOES NOT COMPLY WITH NEW KITCHEN EQUIPMENT LOCATIONS. DISCONNECT AND PROVIDE NEW FLOOR SINK IN NEW LOCATION. BACK FILL, COMPACT AND PATCH CONCRETE TO MATCH. G.C. SHALL PROVIDE FINAL FLOOR FINISHES I.E. CERAMIC TILE, ECT. AND PATCH WALL AS REQUIRED. REFER TO HATCHED AREA ON DRAWING FOR CUT AND PATCH AREAS.



4 WASTE & VENT PIPING ISOMETRIC

1/4" = 1'-0"



2 PLUMBING FLOOR PLAN

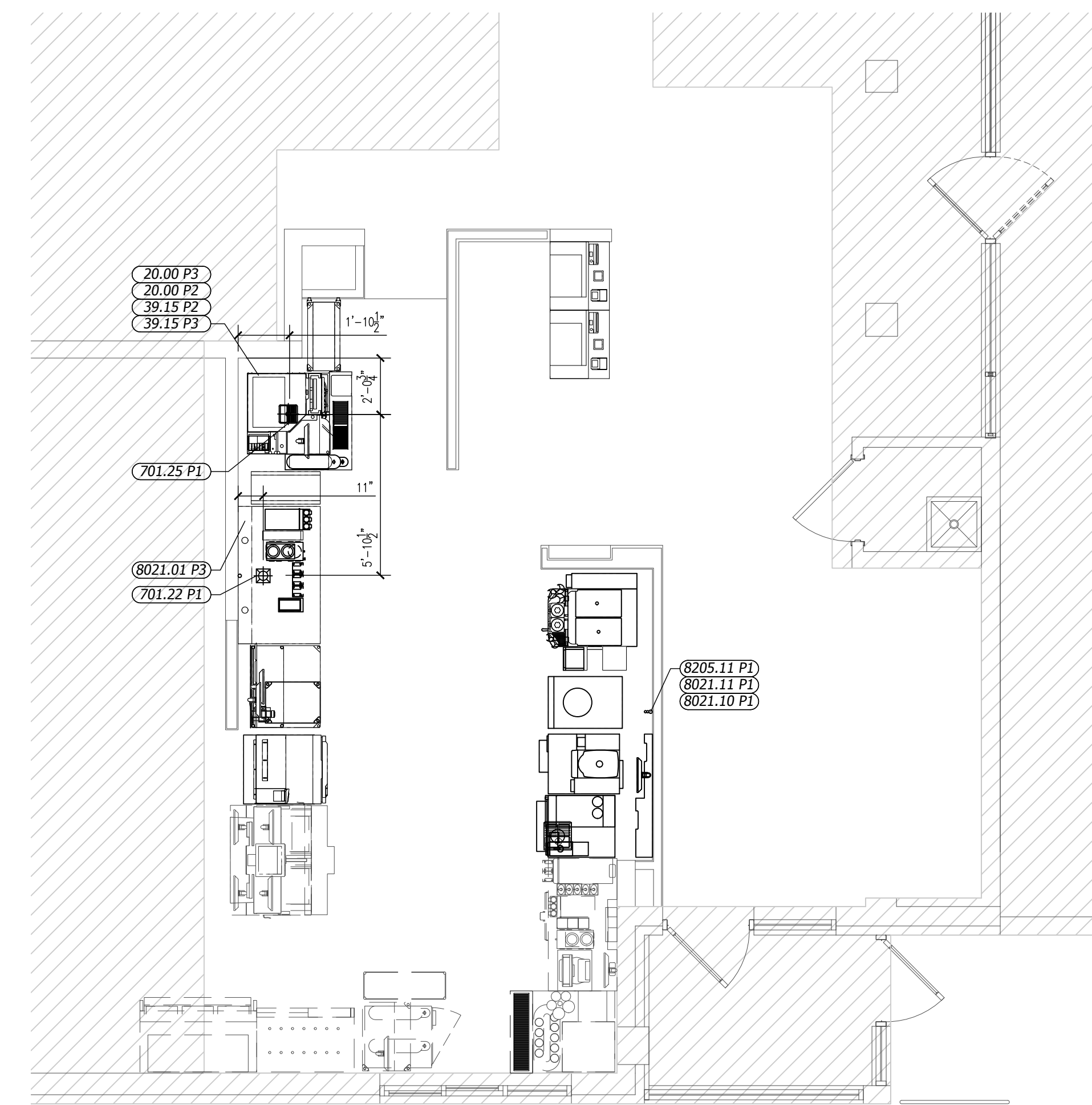
1/4" = 1'-0"

PLUMBING GENERAL NOTES:

- A. REFER TO DRAWING P2.1 FOR ADDITIONAL NOTES.
- B. FOR ALL NEW SANITARY AND GREASE PIPING AND CUT AND PATCH AREAS PATCH CERAMIC TILE TO MATCH. G.C. SHALL PROVIDE FINAL FLOOR FINISHES I.E. CERAMIC TILE ETC. AND PATCH WALL AS REQUIRED.
- C. FIELD VERIFY EXISTING CONNECTION POINTS PRIOR TO INSTALLATION OF ALL PLUMBING LINES.

PLUMBING KEY NOTES

- 1 INSTALL NEW FS, FD, OR TD. INSTALL NEW 3" SANITARY WASTE AND CONCEALED 2" VENT PIPING. FIELD VERIFY LOCATION OF EXISTING.



3 ROUGH IN FLOOR PLAN

1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	WATER USE	ACCESSORIES/COMMENTS
FD-2	6x6 FLOOR DRAIN	ZURN	Z415-SZ	PIPE SIZE: 3"	FUNNEL: NONE SEE NOTE 8
FS-2	8x8 FLOOR SINK WITH HALF-GRATE	ZURN	ZN1910	PIPE SIZE: 3"	GRATE: HALF - NICKEL-BRONZE SEE NOTE 8

NOTES:
 1. SEE McDONALD'S PROJECT MANUAL FOR ADDITIONAL MANUFACTURERS
 2. PLUMBING CONTRACTOR SHALL COORDINATE WITH G.C. TO PROVIDE BLOCKING FOR PROPER URINAL SUPPORT
 3. PLUMBING CONTRACTOR SHALL COORDINATE WITH G.C. TO PROVIDE INTERIOR BLOCKING ON W/W BUILDING FOR WALL CLAMP
 4. YARD HYDRANT IS FOR TRASH CORRAL - SEE SITE PLAN FOR LOCATION
 5. PLUMBING CONTRACTOR SHALL ROUTE 1/2" DRAIN PIPE FROM HOSE BIBB TO NEAREST FLOOR DRAIN OR FLOOR SINK
 6. PLUMBING CONTRACTOR SHALL COORDINATE WITH G.C. TO PROVIDE BLOCKING FOR PROPER SINK SUPPORT
 7. SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION - PLUMBING CONTRACTOR SHALL COORDINATE INSTALLATION WITH K.E.S.
 8. PLUMBING CONTRACTOR SHALL SPECIFY CONNECTION MATERIAL/TYPPE WHEN ORDERING
 9. PLUMBING CONTRACTOR SHALL PROVIDE GRID DRAIN, P-TRAP AND VALVE STOPS FOR ALL SINKS & LAVS
 10. PLUMBING CONTRACTOR SHALL PROVIDE GRID DRAIN, P-TRAP AND VALVE STOPS FOR ALL SINKS & LAVS
 11. WATER CLOSETS MUST MEET ALL REQUIREMENTS OF ANSI STANDARD A112.19.2

TO ORDER PLUMBING FIXTURES, CONTACT HUGHES SUPPLY:
 E-MAIL: MCDCCOORD@HUGHESUPPLY.COM
 OR MCDCCOORD@HAJOCA.COM

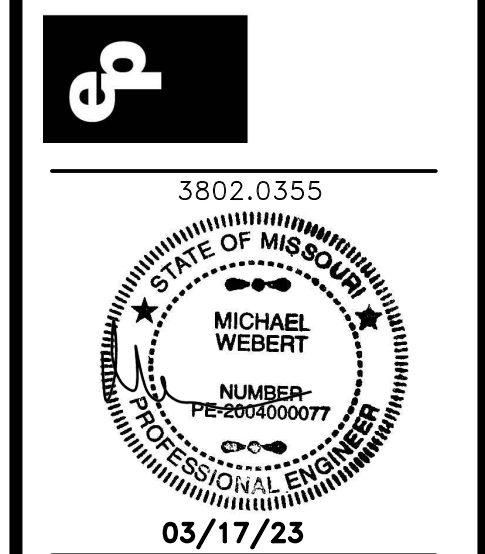
PLUMBING SCHEDULE

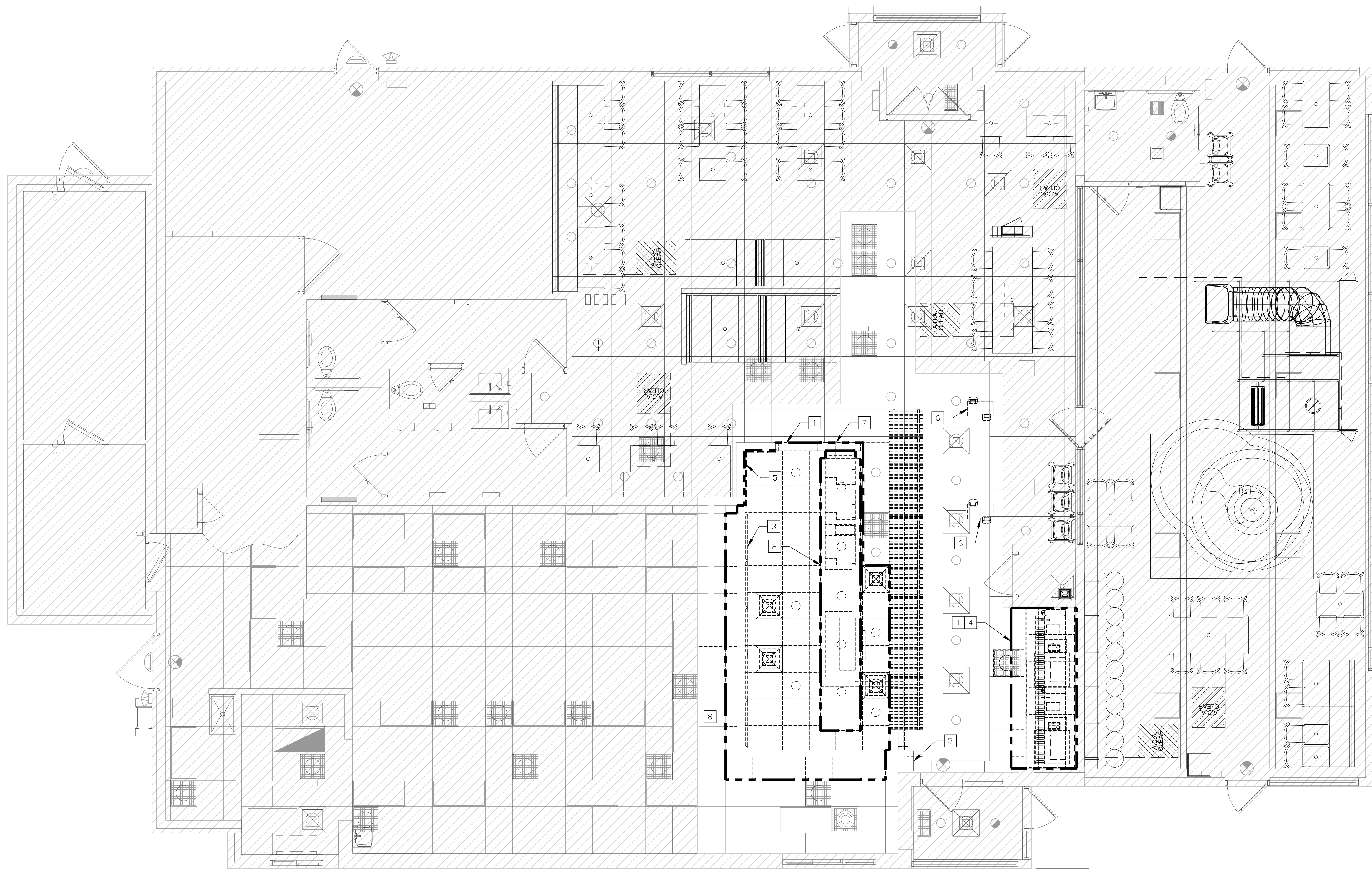
ITEM #	QTY	ITEM DESCRIPTION	PIPE TYPE	IGAS	IGAS BTU	IGAS SIZE	HOT WATER	COLD WATER	MISC PLBG	HOT AFF	DRAIN	REQUIREMENTS
20.00 P2	1	AUTOMATED BEVERAGE SYSTEM	-	-	-	-	-	-	6" PVC CONDUIT	SEE RMKS	-	GC TO INSTALL ABOVE CEILING FROM SODA SYSTEM - TERMINATE AT CHASE
20.00 P3	1	AUTOMATED BEVERAGE SYSTEM	-	-	-	-	-	-	6" DRINK COND.	SEE RMKS	-	BSI INSTALL DN CHASE FROM SODA SYSTEM, MAKE FINAL CONNECTIONS, PER LOCAL CODES
39.15 P2	1	ICE MACHINE - 1000 LB.	-	-	-	-	-	-	1/2" TREATED	SEE RMKS	3/4" IND	WATER LINE OVERHEAD FROM SODA SYSTEM - BSI TO MAKE FINAL CONNECTIONS, PER LOCAL CODES
39.15 P3	1	ICE MACHINE - 1000 LB.	-	-	-	-	-	-	REFRIG LINES	-	-	PRE-CHARGED REFRIGERATION LINES OVERHEAD FROM REMOTE CONDENSING UNIT
701.22 P1	1	4" FLOOR DRAIN	-	-	-	-	-	-	2" VENT	-	4" DRAIN	PC TO INSTALL NEW DRAIN OR RELOCATE EXISTING AS NEEDED.
701.25 P1	1	8" X 8" FLOOR SINK WITH 1 1/2" DRAIN	-	-	-	-	-	-	1 1/2" VENT	-	1 1/2"	PC TO INSTALL NEW DRAIN OR RELOCATE EXISTING AS NEEDED.
8021.01 P3	1	RELOCATED COFFEE BREWER	-	-	-	-	-	-	1/4" FILTERED	SEE RMKS	-	DN WALL FROM REVERSE OSMOSIS SYSTEM. BEV INSTALLER TO CONN CW LINE, PER LOCAL CODES
8021.10 P1	1	RELOCATED SPECIALTY COFFEE	-	-	-	-	-	-	1/2" FILTERED	SEE RMKS	-	DN WALL FROM REVERSE OSMOSIS SYSTEM. BEV INSTALLER TO CONN CW LINE, PER LOCAL CODES
8021.11 P1	1	RELOCATED SMOOTHIE MACHINE	-	-	-	-	-	-	1/2" FILTERED	SEE RMKS	-	DN WALL FROM SODA SYSTEM. BEV INSTALLER TO CONN CW LINE, PER LOCAL CODES
8205.11 P1	1	RELOCATED FROZEN CARBONATED BEVERAGE	-	-	-	-	-	-	-	-	-	PC TO RELOCATE UTILITIES AS NEEDED

DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED AS SUPPLEMENTING EACH OTHER. WORK SPECIFIED BUT NOT SHOWN ON DRAWINGS, OR SHOWN ON DRAWINGS BUT NOT SPECIFIED, SHALL BE PERFORMED OR FURNISHED AS THOUGH MENTIONED IN BOTH SPECIFICATIONS AND DRAWINGS. IF NOT OTHERWISE DIRECTED, INSTALLATION OF ALL SYSTEMS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE WORK DESCRIBED IN THE SPECIFICATIONS IS IN CONFLICT WITH THE WORK SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL SUPPLY THE GREATER QUANTITY, QUALITY AND COST VIA THE BID AND CONTACT THE ENGINEER FOR CLARIFICATION ON DIRECTION PRIOR TO INSTALLATION.

PRIOR TO BID, THE CONTRACTOR SHALL REVIEW THE MECHANICAL, ELECTRICAL AND KITCHEN EQUIPMENT DRAWINGS. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL RELEVANT WORK IN THE ENTIRE SET OF DOCUMENTS AND REPORT ALL DISCREPANCIES BETWEEN THESE DRAWINGS TO THE ENGINEER PRIOR TO BIDDING FOR CLARIFICATION. IF DISCREPANCIES REMAIN UNRESOLVED DUE TO A SHORT TIME FRAME, THE CONTRACTOR SHALL INCLUDE THE MOST WORK AND THE HIGHER COSTS IN THE BID. SOLUTIONS TO UNREPORTED DISCREPANCIES WILL BE DETERMINED BY THE ARCHITECT/ENGINEER, WITH NO ADDITIONAL COMPENSATION DUE TO THE CONTRACTOR.

IF YOU HAVE ANY QUESTIONS REGARDING THE PLANS, PLEASE CALL THE DESIGNER.
 DESIGNER: Wendy Wenborg
 PHONE/FAX: 952-540-4047
 EMAIL: wwenborg@epinc.com





1 DEMOLITION LIGHTING AND ROUGH-IN PLAN
 1/4" = 1'-0"

PRIOR TO BID, THE CONTRACTOR SHALL REVIEW THE MECHANICAL, ELECTRICAL AND KITCHEN EQUIPMENT DRAWINGS. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL RELEVANT WORK IN THE ENTIRE SET OF DOCUMENTS AND REPORT ALL DISCREPANCIES BETWEEN THESE DRAWINGS TO THE ENGINEER PRIOR TO BIDDING FOR CLARIFICATION. IF DISCREPANCIES REMAIN UNRESOLVED DUE TO A SHORT TIME FRAME, THE CONTRACTOR SHALL INCLUDE THE MOST WORK AND THE HIGHER COSTS IN THE BID. SOLUTIONS TO UNREPORTED DISCREPANCIES WILL BE DETERMINED BY THE ARCHITECT/ENGINEER, WITH NO ADDITIONAL COMPENSATION DUE TO THE CONTRACTOR.

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IF YOU HAVE ANY QUESTIONS REGARDING THE PLANS, PLEASE CALL THE DESIGNER.
 DESIGNER: Wendy Wenborg
 PHONE: 952-540-4047
 EMAIL: wwenborg@epinc.com

KEY NOTES

- 1 COORDINATE WITH McDONALD'S ACM FOR LIGHTING TO BE RELOCATED IN THIS AREA. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES. MAINTAIN EXISTING CIRCUIT AND SWITCHING WHERE POSSIBLE. TURN OVER REMAINING LIGHTING FIXTURES TO OWNER.
- 2 DISCONNECT AND REMOVE FRONT COUNTER ORDER EQUIPMENT IN THIS AREA FOR REUSE IN NEW CONSTRUCTION. MAINTAIN EXISTING CIRCUITING AND WIREWAYS WHERE POSSIBLE FOR REUSE IN NEW CONSTRUCTION.
- 3 DISCONNECT AND REMOVE EXISTING MENU BOARDS. MAINTAIN EXISTING CIRCUITING AND WIREWAYS WHERE POSSIBLE FOR REUSE IN NEW CONSTRUCTION.
- 4 DISCONNECT AND REMOVE EXISTING SELF SERVE BEVERAGE SYSTEM. MAINTAIN EXISTING CIRCUITING AND WIREWAYS WHERE POSSIBLE FOR REUSE IN NEW CONSTRUCTION.
- 5 DISCONNECT AND REMOVE EXISTING ELECTRICAL EQUIPMENT. MAINTAIN ALL CIRCUITS AND WIREWAYS WHERE POSSIBLE FOR RECONNECTION IN NEW CONSTRUCTION.
- 6 DISCONNECT AND RELOCATE EXISTING KIOSK FOR REUSE IN NEW CONSTRUCTION. MAINTAIN EXISTING CIRCUIT AND SWITCHING WHERE POSSIBLE FOR REUSE IN NEW CONSTRUCTION.
- 7 REFER TO SHEET E2.1 FOR EQUIPMENT THAT IS TO BE RELOCATED THIS AREA. COORDINATE WITH KITCHEN SUPPLIER TO DETERMINE DEVICES TO BE REMOVED. REUSE CIRCUITS WHERE POSSIBLE.
- 8 DISCONNECT AND RELOCATE EXISTING KES PANEL IN THIS AREA. MAINTAIN EXISTING CIRCUIT AND WIREWAYS FOR REUSE IN NEW CONSTRUCTION.

GENERAL NOTES:

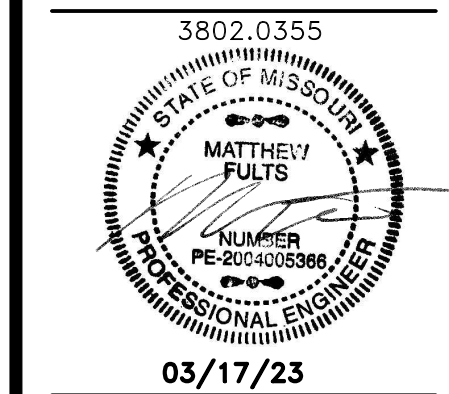
1. REFER TO NOTES, SCHEDULES AND DETAILS DRAWING FOR ADDITIONAL NOTES.
2. DEVICES AND WIRING SHOWN ARE FROM PREVIOUS CONSTRUCTION PROJECTS AND EXISTING CONDITIONS MAY VARY FROM PLAN DRAWINGS.
3. ITEMS SHOWN DASHED ARE TO BE REMOVED.
4. EXISTING EXIT AND EMERGENCY LIGHTS ARE TO REMAIN, UNLESS NOTED OTHERWISE.

PREPARED FOR:
McDonald's USA, LLC
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DATE ISSUED: 03/17/23
 PERMIT: _____
 DRAWN BY: MRL
 CHECKED BY: WLW
 JOB NO.: 22188

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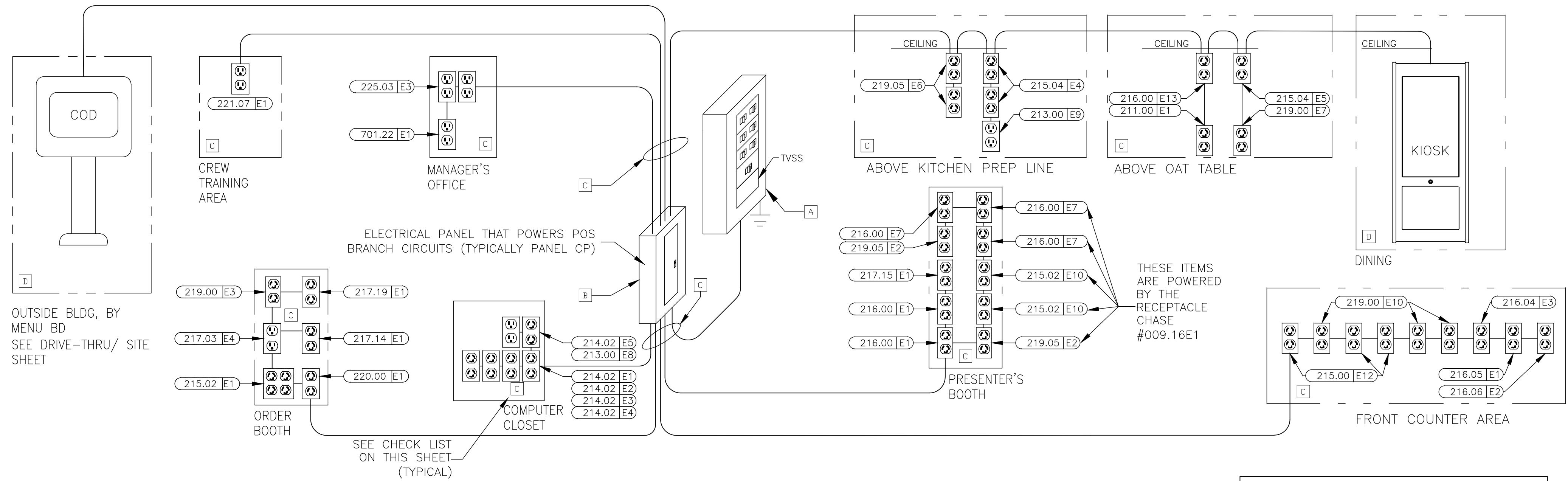
McDONALD'S RESTAURANT
 2023 SAO BACKCAST REMODEL
 State Site Code: 024-0051 Nat'l Number: 1916
 7887 STATE LINE RD, KANSAS CITY, MO 64114
DEMOLITION LIGHTING AND ROUGH-IN PLAN



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 Burnsville, MN 55337
 Office: (952) 252-4042
 Fax: (952) 252-4043
DESIGN

THE PURPOSE OF THIS SHEET IS TO PROVIDE A CHECKLIST AND VISUAL GUIDE SO THE INSTALLING EC CAN VERIFY THE WORK IS IN COMPLIANCE WITH MCDONALD'S SPECIFICATIONS THAT ARE CRITICAL TO THE PROPER FUNCTIONING OF OUR POINT OF SALE (POS) COMPUTER SYSTEMS.



POS ELECTRICAL RISER DIAGRAM

THIS RISER DIAGRAM SHOWS THE ELECTRICAL ROUGH-INS REQUIRED FOR A TYPICAL POINT OF SALE (POS) SYSTEM IN A FREE STANDING 2 BOOTH RESTAURANT. VERIFY ALL POS ROUGH-INS AND MOUNTING HEIGHTS WITH THE ELECTRICAL ROUGH-IN PLAN, NOTES AND INFORMATION DRAWINGS.

ISOLATED GROUND SYMBOLS	
SYMBOL	DESCRIPTION
	IG4710
	IG4700A
	IG5261
	IG5262

THE EC SHALL COMPLETE THE BELOW CHECKLIST TO VERIFY COMPLIANCE WITH MCDONALD'S SPECIFICATIONS.

START HERE

A VISUALLY INSPECT THE MAIN ELECTRICAL PANEL (MDP)

YES NO N/A

1. IS AN EQUIPMENT GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY CONNECTED TO THE PANEL?
2. DO ALL NEUTRAL CONDUCTORS TERMINATE ONLY TO THE NEUTRAL BAR?
3. DO ALL EQUIPMENT GROUND CONDUCTORS TERMINATE ONLY TO THE EQUIPMENT GROUND BAR?
4. DOES THE ISOLATED GROUND CONDUCTOR (GREEN W/YELLOW STRIPE) TERMINATE ON THE EQUIPMENT GROUND BAR?
5. IS THERE AN APPROPRIATE ELECTRICAL CONNECTION (BOND) BETWEEN THE NEUTRAL BAR AND THE EQUIPMENT GROUND BAR?
6. DOES THE GROUNDING SYSTEM COMPLY WITH MCDONALD'S "BUILDING ELECTRICAL GROUNDING DETAIL"?
7. IS A SURGE PROTECTOR INSTALLED THAT COMPLIES WITH MCDONALD'S "TVSS INSTALLATION GUIDE" OR DETAIL?
8. ARE ALL ELECTRICAL CONNECTIONS (WIRING & BUSING) PROPERLY TIGHTENED?
9. ARE ALL CIRCUIT BREAKERS CLEARLY LABELED?

B VISUALLY INSPECT THE PANEL "CP" THAT POWERS POS

YES NO N/A

1. IS AN EQUIPMENT GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY CONNECTED TO THE PANEL?
2. IS AN ISOLATED GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY INSULATED FROM THE PANEL?
3. DO ALL NEUTRAL CONDUCTORS TERMINATE ONLY TO THE NEUTRAL BAR?
4. DO ALL EQUIPMENT GROUND CONDUCTORS TERMINATE ONLY TO THE EQUIPMENT GROUND BAR?
5. DO ALL ISOLATED GROUND CONDUCTORS (GREEN W/YELLOW STRIPE) TERMINATE ONLY TO THE ISOLATED GROUND BAR?
6. ARE ALL ELECTRICAL CONNECTIONS (WIRING & BUSING) PROPERLY TIGHTENED?
7. ARE ALL POS AND COD CIRCUIT BREAKERS ON THE SAME PANEL?
8. ARE ALL CIRCUIT BREAKERS CLEARLY LABELED?
9. DO ALL POS & COD CIRCUIT BREAKERS HAVE A LOCKING MECHANISM ON THEIR HANDLES TO PREVENT THEM FROM BEING SHUT OFF BY MISTAKE?
10. DOES THE FEEDER CIRCUIT FOR THIS SUBPANEL CONTAIN PHASE, NEUTRAL AND ONE EQUIPMENT GROUND AND ONE ISOLATED GROUND CONDUCTORS THAT ARE PROPERLY TERMINATED (SEE POS & COD ISO GND/DED CKT DETAIL)?

C VISUALLY INSPECT ALL REMAINING ELECTRICAL SUBPANELS

YES NO N/A

1. IS AN EQUIPMENT GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY CONNECTED TO THE PANEL?
2. DO ALL NEUTRAL CONDUCTORS TERMINATE ONLY TO THE NEUTRAL BAR?
3. DO ALL EQUIPMENT GROUND CONDUCTORS TERMINATE ONLY TO THE EQUIPMENT GROUND BAR?
4. ARE ALL ELECTRICAL CONNECTIONS (WIRING & BUSING) PROPERLY TIGHTENED?
5. ARE ALL CIRCUIT BREAKERS CLEARLY LABELED?
6. DOES THE FEEDER CIRCUIT FOR THIS SUBPANEL CONTAIN PHASE, NEUTRAL AND ONE EQUIPMENT GROUND CONDUCTORS THAT ARE PROPERLY TERMINATED? (SEE BUILDING ELECTRICAL GROUNDING DETAIL)

D VISUALLY INSPECT THE POS BRANCH CIRCUITS

YES NO N/A

1. ARE THE POS BRANCH CIRCUITS ROUTED IN THEIR OWN CONDUIT BY THEMSELVES?
2. IF THE POS BRANCH CIRCUIT IS ROUTED ABOVE GRADE, IS IT IN A METALLIC CONDUIT?
3. DOES EACH POS BRANCH CIRCUIT CONTAIN: ONE PHASE (BLACK COLORED INSULATION) ONE NEUTRAL (WHITE COLORED INSULATION) ONE EQUIPMENT GROUND (GREEN COLORED INSULATION) ONE ISOLATED GROUND (GREEN W/YELLOW STRIPE COLORED INSULATION).
4. DO ALL POS BRANCH CIRCUITS TERMINATE AT EITHER AN IG4700, IG4710, IG5261, IG5262 RECEPTACLES OR ANY COMBINATION OF THESE?
5. ARE ALL ELECTRICAL TERMINATIONS TO IG RECEPTACLES MADE WITH SOLID #12 AWG WIRE CAPTURED AROUND THE SCREW BARREL AND SUITABLY TIGHTENED?
6. ARE ALL BRANCH CIRCUIT CONNECTIONS PROPERLY TIGHTENED?
7. ARE THE CORRECT AMOUNT AND TYPE OF IG RECEPTACLES PROVIDED AS SHOWN IN THE ELECTRICAL ROUGH-IN PLAN, NOTES AND INFORMATION?
8. DO ALL POS RECEPTACLES HAVE ORANGE "COMPUTER ONLY" COVERPLATES?
9. DO ALL POS BRANCH CIRCUITS COMPLY WITH THE "POS & COD ISOLATED GROUND/DEDICATED CIRCUIT" DETAIL?

E VISUALLY INSPECT THE POS BRANCH CIRCUIT FOR THE COD

YES NO N/A

1. ARE THE COD BRANCH CIRCUITS ROUTED IN THEIR OWN CONDUIT BY THEMSELVES?
2. DOES EACH COD BRANCH CIRCUIT CONTAIN:
 - ONE PHASE (BLACK COLORED INSULATION),
 - ONE NEUTRAL (WHITE COLORED INSULATION),
 - ONE EQUIPMENT GROUND (GREEN COLORED INSULATION),
 - ONE ISOLATED GROUND (GREEN W/YELLOW STRIPE COLORED INSULATION).
3. IS THE COD POWERED FROM THE SAME PANEL AS THE POS?
4. DOES THE BREAKER FOR THE COD HAVE A LOCKING MECHANISM ON ITS HANDLE THAT WILL PREVENT IT FROM BEING SHUT OFF?
5. DO THE COD BRANCH CIRCUIT(S) COMPLY WITH THE "POS & COD ISOLATED GROUND/DEDICATED CIRCUIT" DETAIL?
6. IF THE COD HAS AN OPTICAL ISOLATOR, IS A STRAIGHT BLADE ISOLATED GROUND RECEPTACLE ON AN ISOLATE GROUND/DEDICATED CIRCUIT PROVIDED FOR IT?

LOW VOLTAGE CABLE MANAGEMENT SPECIFICATION

GENERAL/MATERIALS

- THE GC OR EC SHALL FURNISH AND INSTALL A COMPLETE LOW VOLTAGE CABLE MANAGEMENT SYSTEM UTILIZING CADDY-ERICO TYPE CAT-32 J-HOOK SUPPORTS (2-INCH DIAMETER LOOP MINIMUM). ALL J-HOOKS SHALL:
 - HAVE A MINIMUM BEARING SURFACE OF 1 3/8",
 - HAVE FLARED EDGES TO PREVENT DAMAGE TO HIGH PERFORMANCE CABLES,
 - HAVE AN ELECTRO-GALVANIZED FINISH,
 - HAVE 3/8" WIDE CABLE RETAINING STRAPS,
 - BE UL LISTED AND LABELED,
 - BEAR THE UL SYMBOL MARKING ON THE PART FOR IDENTIFICATION
 - BE INSTALLED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
- THE ENTIRE INSTALLATION SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), NEC SECTION 800, BICSI STANDARDS 568 & 569, ALL APPLICABLE NATIONAL, STATE, LOCAL, AND SAFETY CODES, AND MCDONALD'S SPECIFICATIONS.
- THE LOCATION AND ROUTING OF THE LOW VOLTAGE CABLE MANAGEMENT SYSTEM SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS WITH THE OTHER TRADES FINAL INSTALLATIONS, BOTH BEFORE AND AFTER THE CABLE MANAGEMENT SYSTEM AND THE POS CABLING ARE INSTALLED. FINAL INSTALLATION LOCATION SHALL BE READILY ACCESSIBLE TO ALLOW FOR EASE IN INSTALLATION OF THE POS CABLING BY THE POS VENDOR'S INSTALLER.
- LOW VOLTAGE J-HOOK CABLE SUPPORTS AND APPURTENANCES SHALL BE FASTENED TO THE BUILDING STRUCTURAL AND/OR FRAMING MEMBERS. LOW VOLTAGE J-HOOK CABLE SUPPORTS SHALL NOT BE FASTENED OR UTILIZE THE CEILING GRID SUSPENSION WIRES OR T-BAR GRID FOR INSTALLATION. CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACKETS, HANGERS, RODS, CLAMPS, FLANGES, SUPPORTS, ETC. FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. THE INSTALLATION OF THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM SHALL BE DONE SO THAT THE ROUTING OF THE CABLES IS PARALLEL TO AND/OR PERPENDICULAR TO FRAMING AND STRUCTURAL BUILDING MEMBERS.
- LOW VOLTAGE J-HOOK CABLE SUPPORTS SHALL BE INSTALLED A MAXIMUM OF 36 INCHES APART. AT TRANSITION LOCATIONS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL J-HOOKS TO ALLOW FOR A MINIMUM ONE-FOOT RADIUS BEND AND FOR ADDITIONAL CABLE SUPPORT AT THESE TRANSITION POINTS.
- TO AVOID ELECTROMAGNETIC INTERFERENCE (EMI), ALL PATHWAYS SHALL PROVIDE A MINIMUM CLEARANCE OF 4 FEET (1.2 METERS) FROM MOTORS AND TRANSFORMERS AND A MINIMUM CLEARANCE OF 1 FOOT (0.3 METERS) FROM CONDUIT AND CABLES UTILIZED FOR ELECTRICAL POWER DISTRIBUTION, OR FROM FLUORESCENT OR HID TYPE LIGHTING FIXTURES AND OTHER NON-POS LOW VOLTAGE CONDUCTORS.
- ANY CEILING TILES IN THE AREA WHERE THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM IS LOCATED SHALL NOT BE INSTALLED UNTIL THE POS VENDOR'S CONTRACTOR COMPLETES THE INSTALLATION OF ALL POS CABLING.
- ALL NON-POS LOW VOLTAGE CABLING SHALL BE INSTALLED IN A SEPARATE CABLE MANAGEMENT SYSTEM INDEPENDENT OF THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM UTILIZED FOR THE POS CABLING.
- THE POS INSTALLER SHALL BE RESPONSIBLE TO FURNISH AND INSTALL ALL LOW VOLTAGE CABLING REQUIRED FOR THE COMPLETE AND FULLY FUNCTIONAL OPERATION OF THE POS SYSTEM. ALL POS CABLING SHALL BE INSTALLED WITHIN THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM.

INSTALLATION

- LOW VOLTAGE J-HOOK CABLE PATHWAY (FOR POS CABLING SYSTEM) SHALL BE PROVIDED FROM THE MANAGERS OFFICE (OR COMPUTER CLOSET) DATA CONDUIT STUB-UP LOCATION TO THE FOLLOWING DATA CONDUIT STUB-UP LOCATIONS (AS APPLICABLE):
 - FRONT COUNTER,
 - PRESENTERS BOOTH,
 - CASHIERS BOOTH,
 - THIRD DRIVE-THRU WINDOW (IF PRESENT),
 - CREW ROOM,
 - VALENCE WALL,
 - REMOTE ORDERING STATIONS,
 - NETPOP TELEPHONE PANEL LOCATION.
- CABLE SUPPORTS SHALL BE PROVIDED WITHIN 24 INCHES OF THESE STUB-UP LOCATIONS. ALL STUB-UP CONDUITS SHALL BE PROVIDED WITH AN INSULATED BUSHING TO PROTECT CABLES DURING INSTALLATION.

ELECTRICAL POS CERTIFICATION

AS OF THE DATE BELOW, I HEREBY CERTIFY THAT ALL ELECTRICAL WORK, ELECTRICAL SERVICE AND ELECTRICAL SYSTEMS, MATERIALS AND LABOR RELATED TO THE POS ELECTRICAL INSTALLATION IN WHICH THE UNDERSIGNED ARE DIRECTLY OR INDIRECTLY RESPONSIBLE HAVE BEEN PROPERLY INSTALLED IN FULL COMPLIANCE WITH ALL CONSTRUCTION DOCUMENTS AND ALL NFPA, BUILDING, ELECTRICAL AND OTHER APPLICABLE CODES, ALONG WITH ALL OF THE REQUIREMENTS OUTLINED ON THIS DRAWING. I FURTHER CERTIFY THAT THE ELECTRIC SERVICE POWERING THE POS SYSTEM HAS BEEN PROPERLY INSTALLED BY A QUALIFIED ELECTRICIAN, SKILLED, KNOWLEDGEABLE AND TRAINED TO INSTALL ALL THE REQUIRED ELECTRICAL DISTRIBUTION COMPONENTS NECESSARY TO POWER THE POINT OF SALE (POS) SYSTEM.

GENERAL CONTRACTOR: _____ ELECTRICAL CONTRACTOR: _____
 BY: _____ BY: _____
 DATE: _____ DATE: _____

DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED AS SUPPLEMENTING EACH OTHER. WORK SPECIFIED BUT NOT SHOWN ON DRAWINGS, OR SHOWN ON DRAWINGS BUT NOT SPECIFIED, SHALL BE PERFORMED OR FURNISHED AS THOUGH MENTIONED IN BOTH SPECIFICATIONS AND DRAWINGS. IF NOT OTHERWISE DIRECTED, INSTALLATION OF ALL SYSTEMS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE WORK DESCRIBED IN THE SPECIFICATIONS IS IN CONFLICT WITH THE WORK SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL SUPPLY THE GREATER QUANTITY, QUALITY AND COST VIA THE BID AND CONTACT THE ENGINEER FOR CLARIFICATION ON DIRECTION PRIOR TO INSTALLATION.

PRIOR TO BID, THE CONTRACTOR SHALL REVIEW THE MECHANICAL, ELECTRICAL AND KITCHEN EQUIPMENT DRAWINGS. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL RELEVANT WORK IN THE ENTIRE SET OF DOCUMENTS AND REPORT ALL DISCREPANCIES BETWEEN THESE DRAWINGS TO THE ENGINEER PRIOR TO BIDDING FOR CLARIFICATION. IF DISCREPANCIES REMAIN UNRESOLVED DUE TO A SHORT TIME FRAME, THE CONTRACTOR SHALL INCLUDE THE MOST WORK AND THE HIGHER COSTS IN THE BID. SOLUTIONS TO UNREPORTED DISCREPANCIES WILL BE DETERMINED BY THE ARCHITECT/ENGINEER, WITH NO ADDITIONAL COMPENSATION DUE TO THE CONTRACTOR.

ALL WORK IS NOT CONSIDERED TO MEET MCDONALD'S SPECIFICATIONS UNTIL THE INSTALLED ELECTRICAL SYSTEM SUPPORTS A "YES" ANSWER FOR ALL QUESTIONS ASKED.

AS PART OF THIS PROCESS, THE EC AND THE GC WILL BE REQUIRED TO SIGN THE ELECTRICAL CERTIFICATION DOCUMENT INDICATING THAT THE INSTALLED ELECTRICAL SYSTEM MEETS MCDONALD'S SPECIFICATIONS.

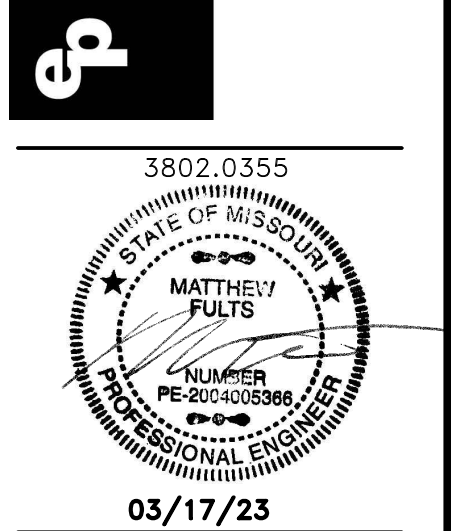
NOTICE:
 CHANGES SHALL NOT BE MADE TO THE POS ELECTRICAL SYSTEM AFTER THE POS EQUIPMENT HAS BEEN INSTALLED WITHOUT FIRST NOTIFYING THE POS VENDOR.

IF CHANGES ARE MADE TO THE POS ELECTRICAL SYSTEM AFTER THE CERTIFICATION PROCESS HAS BEEN COMPLETED, THEN A SYSTEM RE-CERTIFICATION SHALL BE REQUIRED.

REWORK ELECTRICAL SYSTEM TO BRING INTO COMPLIANCE WITH MCDONALD'S SPECIFICATIONS

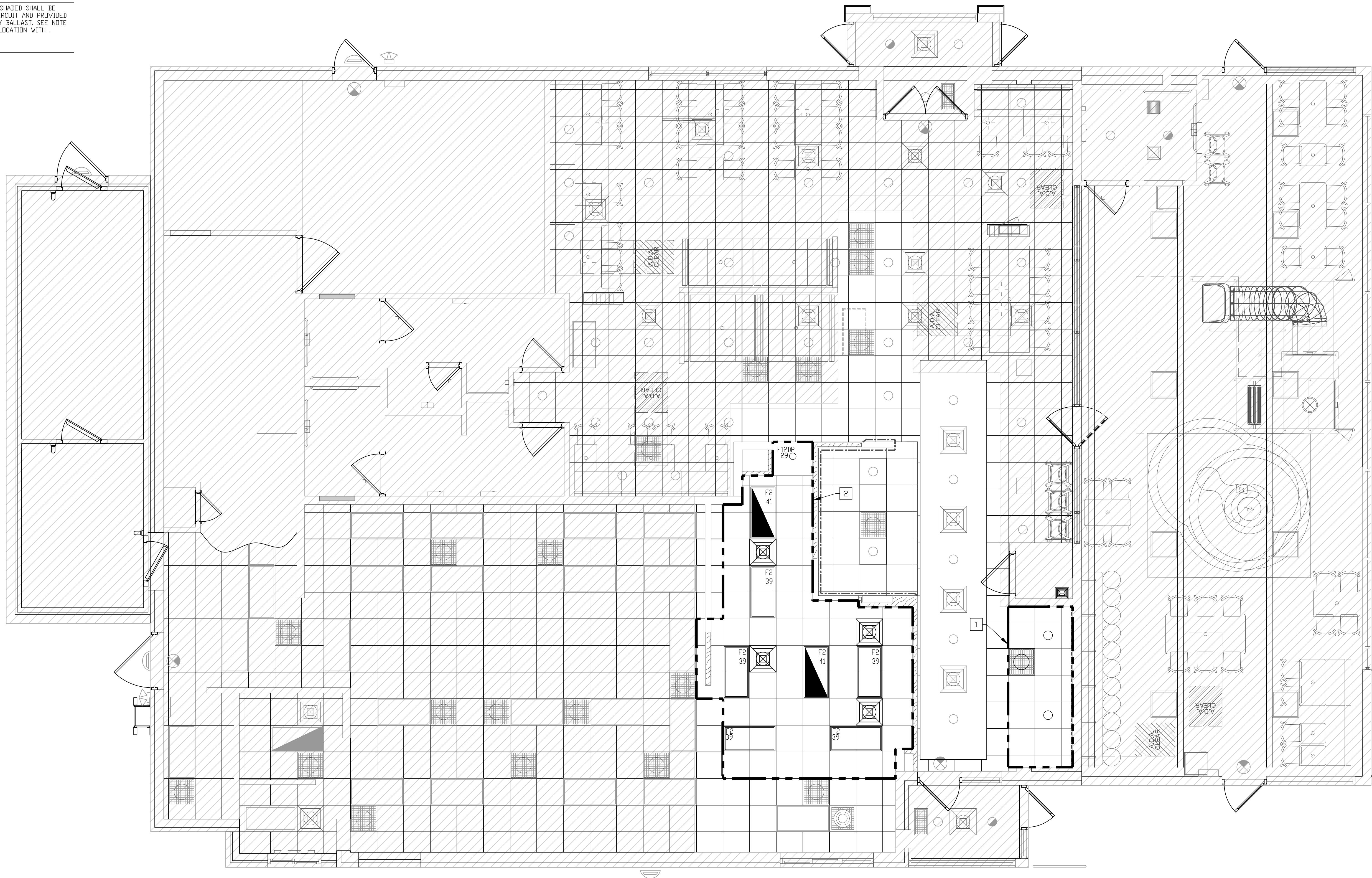
ARE ALL BOXES CHECKED "YES"?

FINISHED



KEY
 DENOTES
 FIXTURE TYPE
 DENOTES CIRCUIT
 NUMBER

LIGHTING FIXTURES SHOWN HALF SHADED SHALL BE WIRED TO THE NIGHT LIGHTING CIRCUIT AND PROVIDED WITH A BATTERY TYPE EMERGENCY BALLAST. SEE NOTE EL3 ON SHEET E-41. COORDINATE LOCATION WITH .



LIGHTING FIXTURE SCHEDULE:

MARK	SYMBOL	DESCRIPTION	DIFFUSER	LAMPS		BALLAST	MOUNTING	MANUFACTURER AND CATALOG NUMBER
				WATTS	TYPE			
F2		2' X 4' GRID TROFFER	PRISMATIC ACRYLIC	44W	LED	-	RECESSED	SECURITY LIGHTING: #LCAT24-35HLG-EDU-WP-GK
F12DP								

LIGHTING SCHEDULE NOTES:

- LS1. FLUORESCENT LIGHT FIXTURE PERFORMANCE SPECIFICATION: EC SHALL SELECT LIGHT FIXTURES FROM SECURITY LIGHTING THAT MEET OR EXCEED THE FOLLOWING REQUIREMENTS:
 A. SHEET METAL SHALL BE MINIMUM 22 GAGE STEEL, WHITE ENAMEL, PAINTED.
 B. PLASTIC LENSES SHALL BE PRISMATIC ACRYLIC, A12 PATTERN, UNLESS NOTED OTHERWISE.
 C. LAY-IN FIXTURES SHALL HAVE HINGED, GASKETED DROP DOWN DOOR FRAMES.
 D. PROVIDE FLANGE KITS FOR ALL INSTALLATION IN GYPSUM BOARD CEILING. VERIFY IN THE FIELD.
- LS2. ORDER LED EXIT SIGNS WITH LETTER COLORS THAT COMPLY WITH LOCAL CODES FROM SECURITY LIGHTING.
 - FOR RED LETTERS USE #PRB (UNIVERSAL),
 - FOR GREEN LETTERS USE #POB (UNIVERSAL), OR
 IF THE ABOVE EXIT SIGNS DO NOT COMPLY WITH LOCAL CODES USE: LED SIGN WITH BATTERY BACKUP, LETTER SIZE, COLOR, TYPE & DIRECTIONAL ARROWS AS REQUIRED BY THE LOCAL AUTHORITIES.
- LS3. ALL INTERIOR LIGHT FIXTURES SHALL BE 120 VOLT UNLESS NOTED OTHERWISE.
- LS4. LIGHTING FIXTURES AND LAMPS HAVE BEEN CHOSEN TO ACHIEVE MAXIMUM ENERGY CONSERVATION WHILE MAINTAINING ADEQUATE LEVEL OF ILLUMINATION. LAMP AND BALLAST SPECIFICATIONS SHALL BE STRICTLY FOLLOWED. ANY DEVIATION FROM LAMP SPECIFICATIONS SHALL BE APPROVED IN WRITING BY McDONALD'S CORPORATION.
- LS5. ALL FIXTURES SHALL BE ORDERED WITH LOW WATTAGE ENERGY EFFICIENT BALLASTS FROM MANUFACTURER.

EMERGENCY LIGHTING NOTES

- EL1. IF NOT INSTALLED BY MANUFACTURER, EC SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF THE EMERGENCY INVERTER BALLAST IN NIGHT LIGHTING FIXTURES SHOWN ON THIS SHEET.
 - EL2. EMERGENCY LIGHTING HAS BEEN DESIGNED PER NFPA 101 TO MAINTAIN 1 FC IN PATH OF EGRESS. IF FIELD CONDITIONS REQUIRE ANY CHANGES TO LIGHTING DESIGN, EMERGENCY LIGHTING, SHALL BE INSTALLED TO MEET THE ABOVE REQUIREMENTS.
 - EL3. PROVIDE EMERGENCY BATTERY INVERTER TO POWER THE LED EMERGENCY DOWN LIGHTS. PROVIDE ONE INVERTER FOR A MAXIMUM SIX FIXTURES PER INVERTER. VERIFY EXACT QUANTITY OF INVERTERS REQUIRED WITH THE NUMBER OF LED FIXTURES. PROVIDE DUAL-LITE #LGT EMERGENCY LIGHTING INVERTER.
- ORDER INDOOR, OUTDOOR, EMERGENCY AND PLAY PLACE LIGHT FIXTURES FROM:**
 SECURITY LIGHTING SYSTEMS, INC.
 CS ILLUMINATIONS
 (A HUBBELL LIGHTING COMPANY) PHONE: 760-477-1244
 1085 JOHNSON DRIVE EMAIL: MCD@CSILLUMINATION.COM
 BUFFALO GROVE, IL 60089 WWW.CSILLUMINATION.COM/MCD
 1-800-544-4848 FAX 847-279-0642

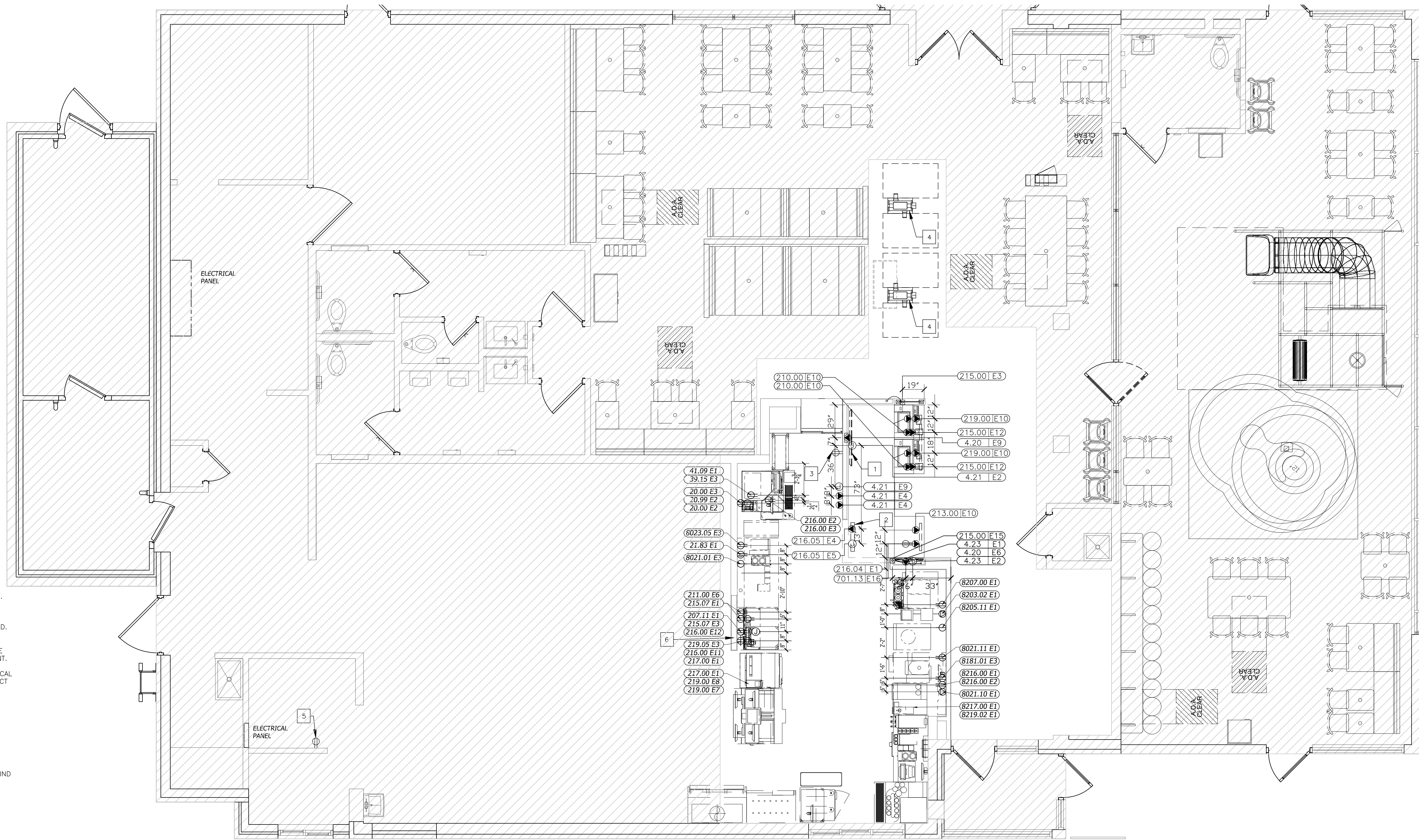
1 LIGHTING FLOOR PLAN
 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO NOTES, SCHEDULES AND DETAILS DRAWING FOR ADDITIONAL NOTES.
2. CIRCUIT NUMBERS SHOWN ARE FOR DESIGN INTENT ONLY.
3. REFER TO LIGHTING FIXTURE SCHEDULE DRAWING FOR FIXTURE SCHEDULE NOTES.
4. NO ADDITIONAL LIGHTING LOADS ADDED FOR COMPLIANCE OF ENERGY CODE.
5. CIRCUIT EXTERIOR EMERGENCY EGRESS FIXTURE TO SAME CIRCUIT AS EXTERIOR LIGHTING IN AREA. BYPASS ALL SWITCHING. PROVIDE DELAYED OFF FEATURE ON EMERGENCY LIGHT.

KEY NOTES

- 1 RE-USE EXISTING CAN LIGHTS IN THE DINING AREA AS NEEDED TO MATCH EXISTING. CIRCUIT NEW LIGHTING IN THIS ROOM TO ORIGINAL ROOM LIGHTING CIRCUIT. VERIFY CIRCUIT LOAD TO NOT OVERLOAD CIRCUIT. PROVIDE NEW CIRCUIT IF REQUIRED. MATCH EXISTING LIGHTS. VERIFY WITH MCD'S ACM.
- 2 CIRCUIT NEW LIGHTING IN THIS ROOM TO ORIGINAL ROOM LIGHTING CIRCUIT. VERIFY CIRCUIT LOAD TO NOT OVERLOAD CIRCUIT. PROVIDE NEW CIRCUIT IF REQUIRED. VERIFY WITH MCD'S ACM.



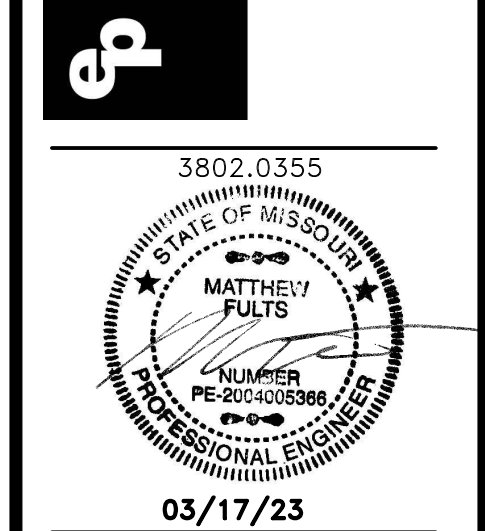
- GENERAL NOTES:**
- REFER TO NOTES, SCHEDULES AND DETAILS DRAWING FOR ADDITIONAL NOTES.
 - CIRCUIT NUMBERS SHOWN ARE FOR REFERENCE ONLY.
 - ALL 120V 20A SINGLE PHASE CIRCUITS IN KITCHEN SHALL BE GFI PROTECTED.
 - SEE ELECTRICAL SCHEDULE FOR PANEL & CIRCUIT BREAKER ASSIGNMENT, VOLT/PH, FLA, BREAKER SIZE, COND/WIRE, RECEPTACLE TYPE, HEIGHT ABOVE FINISHED FLOOR, REQUIREMENTS & REMARKS FOR ALL ELECTRICAL EQUIPMENT.
 - VERIFY OEP DROP CORDS DO NOT FALL BELOW HEIGHTS LISTED ON ELECTRICAL SCHEDULE. RECEPTABLES SHOULD BE LOCATED AT HEIGHTS TO AVOID CONTACT WITH HOT APPLIANCES.

- KEY NOTES**
- PROVIDE AND CONNECT NEW MONITORS. EXTEND EXISTING CIRCUITS AND WIREWAYS TO NEW LOCATIONS. REFER TO RECESSED MENU BOARDS DETAIL.
 - ORB MONITOR TO BE CEILING MOUNTED ABOVE PICKUP TO BE PLACED FOR BEST ORB/MENU BOARD VISIBILITY.
 - PROVIDE 5-20R RECEPTACLE FOR MODEM/GATEWAY (TYPICALLY LOCATED BEHIND VALENCE AT 7'-9" A.F.F.). PROVIDE 2#12, 1#12 GRD TO AVAILABLE SPARE 20A/1P BREAKER.
 - RECONNECT EXISTING KIOSK SAVED DURING DEMOLITION. EXTEND EXISTING CIRCUITS AND WIREWAYS TO NEW LOCATIONS.
 - PROVIDE 5-20R RECEPTACLE FOR LOCATOR CHARGER (TYPICALLY LOCATED IN MANAGER'S OFFICE). PROVIDE 2#12, 1#12 GRD TO AVAILABLE SPARE 20A/1P BREAKER.
 - NEW LOCATION FOR RELOCATED KES PANEL. EXTEND EXISTING CIRCUITS TO NEW LOCATION AND RECONNECT.

1 ROUGH-IN PLAN
1/4" = 1'-0"

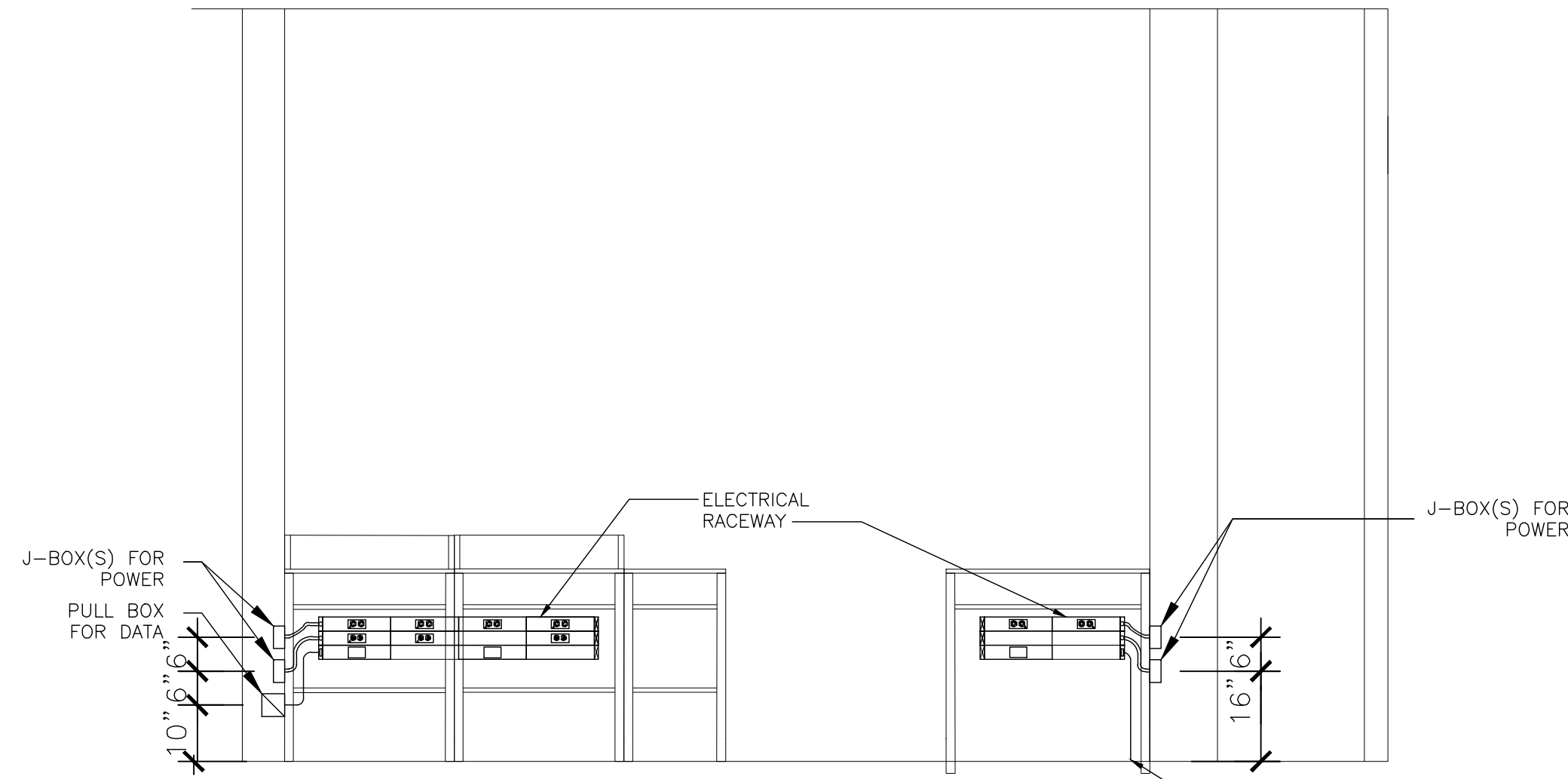
ITEM #	QTY	ITEM DESCRIPTION	VOLT PHASE	FLA DRAW	HP	RECEP TYPE	BRKR SIZE	COND W/S	PANL CKT	HGT AFF	REQUIREMENTS
20.00 E2	1	AUTOMATED BEVERAGE SYSTEM	120/1	5.0	-	5-20R	20A	1/2"C-2#12	-	2'-0"	EC TO BRING POWER DOWN WALL, PROVIDE/INSTALL RECEPTACLE
20.00 E3	1	AUTOMATED BEVERAGE SYSTEM	DATA CABLE	-	-	-	-	-	-	-	CABLE FURNISHED AND INSTALLED BY POS SYSTEM SUPPLIER
20.99 E2	1	ABS PRECOOLER	120/1	14.9	-	5-20R	20A	1/2"C-2#12	-	3'-10"	EC TO BRING POWER DOWN WALL, PROVIDE/INSTALL RECEPTACLE
207.11 E1	1	BASE REFRIGERATOR	120/1	3.2	-	5-20R	20A	1/2"C-2#12	AP-1.5	2'-0"	EC TO BRING POWER DOWN WALL, PROVIDE/INSTALL RECEPTACLE
21.83 E1	1	SUGAR DISPENSER	120/1	0.6	-	5-20R	20A	1/2"C-2#12	-	2'-3"	EC TO BRING POWER DOWN WALL, PROVIDE/INSTALL RECEPTACLE
211.00 E6	1	DELIVERY TABLET	120/1	3.0	-	1/2"5-20R	20A	1/2"C-2#12	AP-1.13	5'-6"	-
215.07 E1	1	POS REGISTER - DELIVERY	120/1 ISOLATED	3.0	-	IG4700	20A	1/2"C-2#12IG	-	3'-6"	EC TO BRING POWER DOWN WALL, PROVIDE/INSTALL RECEPTACLE
215.07 E3	1	POS REGISTER - DELIVERY	-	-	-	-	-	-	-	3'-6"	EXTEND 2" CONDUIT ABOVE CEILING FOR POS DATA CABLES
216.00 E11	1	POS - VIDEO MONITOR	120/1 ISOLATED	1.5 EA.	-	IG4700	20A	1/2"C-2#12IG	-	5'-6"	EC TO PROVIDE/INSTALL RECEPTACLE, POS INSTALLER TO CONN. POS
216.00 E12	1	POS - VIDEO MONITOR	DATA CABLE	-	-	-	-	-	-	5'-6"	EXTEND 2" CONDUIT ABOVE CEILING, CABLE FURNISHED AND INSTALLED BY POS SYSTEM SUPPLIER
216.00 E2	1	POS - VIDEO MONITOR	DATA CABLE	-	-	-	-	-	-	-	CABLE FURNISHED AND INSTALLED BY POS SYSTEM SUPPLIER
216.00 E3	1	POS - VIDEO MONITOR W/SUPPORTS	120/1 ISOLATED	1.5 EA.	-	IG4700	SEE RMKS	1/2"C-2#12IG	-	3'-6"	EC TO PROVIDE/INSTALL RECEPTACLE, POS INSTALLER TO CONN. POS
217.00 E1	2	PARK/Rotate/SERVE BUMP BAR	DATA CABLE	-	-	-	-	-	-	-	EXISTING/RELOCATED
219.00 E7	1	POS - RECEIPT PRINTER	120/1 ISOLATED	0.7	-	IG4710	20A	1/2"C-2#12IG	-	5'-6"	EC TO BRING POWER DOWN WALL, PROVIDE/INSTALL RECEPTACLE
219.00 E8	1	POS - RECEIPT PRINTER	DATA CABLE	-	-	-	-	-	-	-	SEE RMKS
219.05 E3	1	STICKY LABEL PRINTER	120/1 ISOLATED	0.7	-	IG4700	20A	1/2"C-2#12IG	-	3'-2"	CABLE FURNISHED AND INSTALLED BY POS SYSTEM SUPPLIER
39.15 E3	1	ICE MACHINE - 1000 LB.	120/1	1.1	1 1/2	5-15R	15A	1/2"C-2#12	AP-3.41	3'-2"	CIRCUIT BREAKERS SHALL BE HACR TYPE
41.09 E1	1	ICE MACHINE REMOTE CONDENSER - 1000 LB.	208/3	10.8	-	SEE RMKS	15A	SEE RMKS	EP-(7,9,11)	SEE RMKS	EC TO PROVIDE WP 30A-3P NPT DISC AT UNIT ON ROOF - CIRCUIT BREAKERS SHALL BE HACR TYPE
8021.01 E3	1	RELOCATED COFFEE BREWER	VERIFY	VERIFY DRAW	VERIFY	VERIFY	20A	SEE RMKS	VERIFY	REUSE EXISTING	SEE RMKS
8021.10 E1	1	RELOCATED SPECIALTY COFFEE	VERIFY	VERIFY DRAW	VERIFY	VERIFY	30A	SEE RMKS	VERIFY	REUSE EXISTING	SEE RMKS
8021.11 E1	1	RELOCATED SMOOTHIE MACHINE	VERIFY	VERIFY DRAW	VERIFY	VERIFY	20A	SEE RMKS	VERIFY	REUSE EXISTING	SEE RMKS
8023.05 E3	1	RELOCATED CREAM DISPENSER	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY BREAKER	VERIFY	VERIFY	REUSE EXISTING	SEE ELEV
8181.01 E3	1	RELOCATED REFRIGERATOR - SPECIALTY COFFEE - 27" WIDE	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY	VERIFY	VERIFY	REUSE EXISTING	SEE RMKS
8203.02 E1	1	RELOCATED HEAT TREAT COMBINATION SHAKE/SUNDAE MACHINE	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY BREAKER	VERIFY	VERIFY	REUSE EXISTING	SEE RMKS
8205.11 E1	1	FROZEN CARBONATED BEVERAGE	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY	VERIFY	VERIFY	REUSE EXISTING	SEE RMKS
8207.00 E1	1	RELOCATED BLENDER - MFLURRY - COUNTERTOP	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY	VERIFY	VERIFY	REUSE EXISTING	SEE RMKS
8216.00 E1	1	RELOCATED POS - VIDEO MONITOR	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY	VERIFY	VERIFY	REUSE EXISTING	SEE ELEV
8216.00 E2	1	RELOCATED POS - VIDEO MONITOR	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY	VERIFY	VERIFY	REUSE EXISTING	SEE RMKS
8217.00 E1	1	RELOCATED PARK/Rotate/SERVE BUMP BAR	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY	VERIFY	VERIFY	EXISTING/RELOCATED	SEE RMKS
8219.02 E1	1	RELOCATED POS - RECEIPT PRINTER	VERIFY	VERIFY DRAW	VERIFY	VERIFY	VERIFY	VERIFY	VERIFY	-	TBD

TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PANL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS
4.20E6	1	DIGITAL MERCHANDISER	120/1 ISOLATED	2.6	20A	1/2"C-2#12IG	-	IG5262	6'-5"	REUSE EXISTING CIRCUITS OPENED UP IN DEMOLITION
4.20E9	1	MENU BOARD - DIGITAL	120/1 ISOLATED	2.6	20A	1/2"C-2#12IG	-	(2) IG5262	6'-5"	PROVIDE IN-WALL ENCLOSURE HUBBELL NSAV62M OR EQUIVALENT, VERIFY ENCLOSURE IS CONCEALED BEHIND BOARDS.
4.21E2	1	MENU BOARD - DIGITAL - MEDIA PLAYER	DATA CABLE	-	-	-	-	JB	9'-0"	JB W/ 2-1/2" C. TO TERMINATE ABOVE CEILING W/BUSHINGS, FOR DATA CABLES. SUPPLY W/GROMMETED OPENING IN COVER PLATE
4.21E4	2	MENU BOARD - DIGITAL - MEDIA PLAYER	120/1 ISOLATED	2.6 EACH	20A	1/2"C-2#12IG	-	IG5262	7'-9"	JB W/ 1" C. TO TERMINATE ABOVE CEILING W/BUSHINGS, FOR DATA CABLES. SUPPLY W/ GROMMETED OPENING IN COVER PLATE
4.21E9	1	MENU BOARD - DIGITAL - MEDIA PLAYER	DATA CABLE	-	-	-	-	JB	7'-9"	JB W/ 1" C. TO FULL HEIGHT WALL AND TO ABOVE CEILING W/BUSHINGS, FOR DATA CABLES. SUPPLY W/GROMMETED OPENING IN COVER PLATE
4.23E1	1	DIGITAL MERCHANDISER - MEDIA PLAYER	120/1 ISOLATED	1.0	20A	1/2"C-2#12IG	-	IG5262	6'-5"	USE SAME RECEPTACLE AS 4.20E6
4.23E2	1	DIGITAL MERCHANDISER - MEDIA PLAYER	DATA CABLE	-	-	-	-	JB	6'-5"	JB W/ 1" C. TO FULL HEIGHT WALL AND TO ABOVE CEILING W/BUSHINGS, FOR DATA CABLES. SUPPLY W/GROMMETED OPENING IN COVER PLATE
210.00E10	2	CASH RECYCLER	120/1 ISOLATED	4.4	20A	1/2"C-2#12IG	-	(2) IG5262	SEE RMKS	PROVIDE RECEP. IN COUNTER-MOUNTED RACEWAY
213.00E10	1	TABLE LOCATOR SYSTEM	120/1 ISOLATED	1.5	20A	1/2"C-2#12IG	AP-1.5	IG5262	SEE RMKS	PROVIDE RECEP. IN COUNTER-MOUNTED RACEWAY
215.00E3	1	POS REGISTER - FRONT COUNTER	DATA CABLE	-	-	-	-	4x4x4 PB	10"	EXTEND 2 1/2" CONDUIT TO ABOVE CEILING FOR POS DATA CABLES
215.00E12	2	POS REGISTER - FRONT COUNTER	120/1 ISOLATED	3.0 EA.	-	1/2"C-2#12IG	-	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY
215.00E15	1	POS REGISTER - FRONT COUNTER	DATA CABLE	-	-	-	-	4x4x4 PB	10"	EXTEND 2" CONDUIT UNDER SLAB TO NEAREST FULL HEIGHT WALL AND TO ABOVE CEILING FOR POS DATA CABLES
216.04E1	1	ORB MONITOR (MINI)/SCANNER	120/1 ISOLATED	1.5 EA.	-	1/2"C-2#12IG	-	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY
216.05E4	1	ORB MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2"C-2#12IG	-	IG4700	8'-1"	-
216.05E5	1	ORB MONITOR	DATA CABLE	-	-	-	-	JB	8'-1"	JB W/ 1-1/2" C. TO TERMINATE ABOVE CEILING W/BUSHINGS, FOR DATA CABLES. SUPPLY W/ GROMMETED OPENING IN COVER PLATE
219.00E10	2	POS - RECEIPT PRINTER	120/1 ISOLATED	0.7	20A	1/2"C-2#12IG	-	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY
701.13E16	1	DCO - GENERAL PURPOSE	120/1 ISOLATED	1.7	20A	1/2"C-2#12IG	AP-1.13	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY



McDonald's RESTAURANT
2023 SAO BACKCAST REMODEL
State Site Code: 024-0051 Nat'l Number: 1916
7887 STATE LINE RD, KANSAS CITY, MO 64114

ROUGH-IN FLOOR PLAN, DETAIL AND SCHEDULES

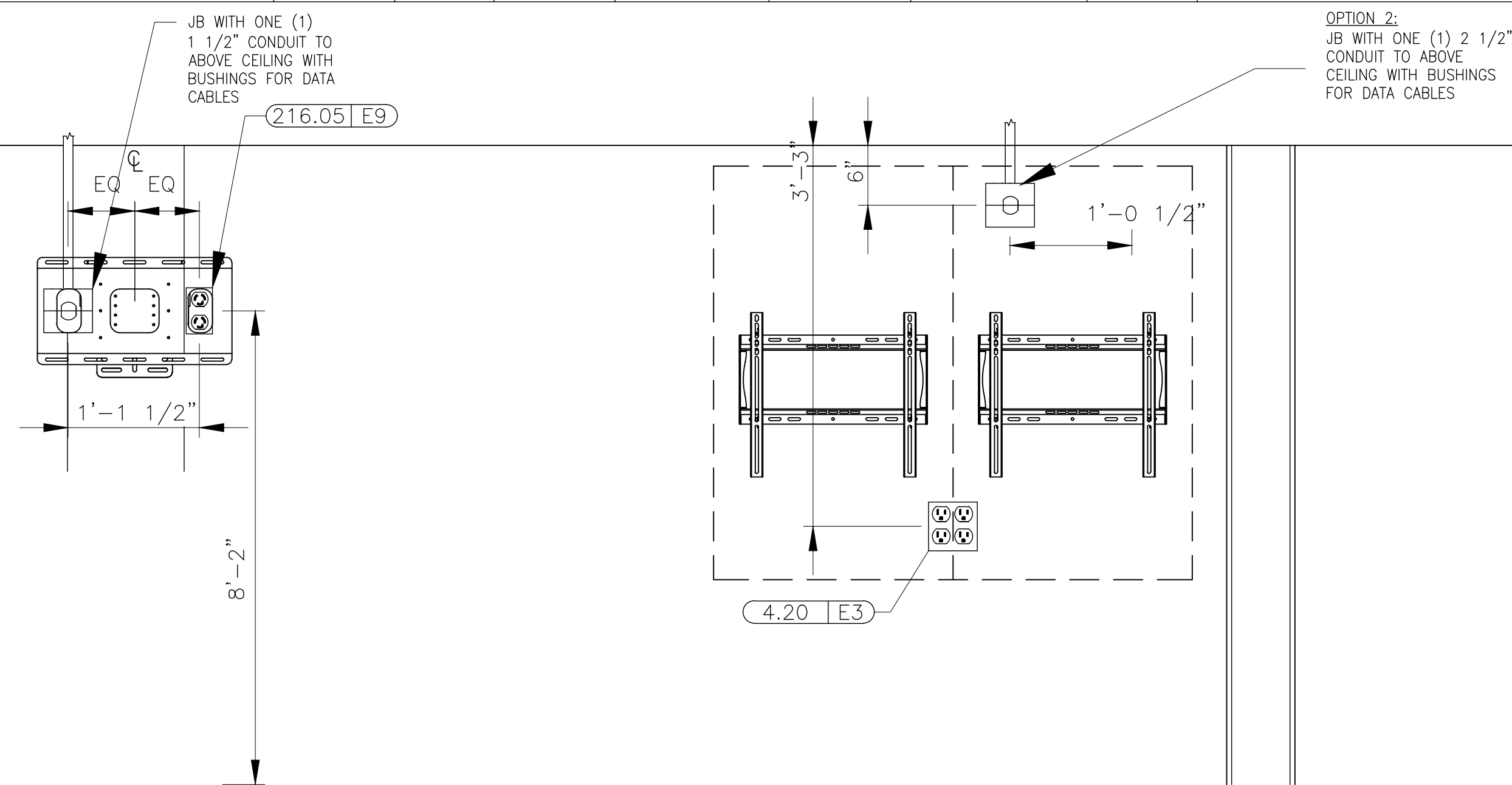


SYMBOL	CATALOG #	DESCRIPTION
	HBLALU57DR & IG4700	RECEPTACLE COVERPLATE WITH ORANGE, TWIST LOCK, ISOLATED GROUND DUPLEX RECEPTACLE
	HBLALU57DR & 5-20R FOR BAKED GOODS AND IG5262 FOR FUTURE CASH HANDLER	RECEPTACLE COVERPLATE WITH STRAIGHT BLADE RECEPTACLE
	HBLALU57LPB	COMMUNICATIONS COVERPLATE
	HBLALU7620B02M290	2' SECTION OF RACEWAY, INCLUDES COUPLERS
	HBLALU7620B03M290	3' SECTION OF RACEWAY, INCLUDES COUPLERS
	HBLALU7610B2M2	SERVICE ENTRANCE FITTING & BUSHING FOR DATA CABLES
	HBLALU7610B	BLANK END FITTING
N/A	HBLALU5701	COUPLER (INCLUDED WITH RACEWAY SECTION)
N/A	HBLALU5709	GROUND ADAPTER

- NOTES:
- REFER TO SERVICE POD MANUFACTURER INSTRUCTIONS FOR EXACT PLACEMENT OF RACEWAY
 - RACEWAY AND RECEPTACLES TO BE PROVIDED WITH SERVICE POD, INSTALLED BY CONTRACTOR.
 - DETAIL SHOWN IS A TYPICAL CONFIGURATION ONLY. SITE SPECIFICS MIGHT CAUSE DEVIATIONS.

3 SERVICE POD RACEWAY DETAIL
1/4" = 1'-0"

TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS
004.20E3	1	MENU BOARD - DIGITAL	120/1 ISOLATED	5.3	20A	-	REUSE EXISTING	(2) IG5262	SEE PLAN	SEE LAYOUT FOR GANGED OUTLET CONFIGURATION
004.21E1	1	MENU BOARD - DIGITAL - MEDIA PLAYER	120/1 ISOLATED	1.0	20A	-	REUSE EXISTING	(2) IG5262	SEE PLAN	SEE LAYOUT FOR GANGED OUTLET CONFIGURATION
216.05E9	1	ORB MONITOR	120/1 ISOLATED	1.5EA	20A	-	REUSE EXISTING	(1) IG4700	SEE PLAN	SEE LAYOUT FOR GANGED OUTLET CONFIGURATION



NOTE: OPTION 1 IS PREFERRED IF AREA BEHIND BOARDS IS A NON-CUSTOMER AREA AND MEDIA PLAYERS WON'T BE INSTALLED ABOVE FOOD PREP. SLEEVES SHOULD NOT BE INSTALLED WITHIN CUSTOMER VIEW. IF AREA BEHIND MENU BOARDS IS DINING, RESTROOMS, OR OTHER CUSTOMER-FACING LOCATION, USE OPTION 2.

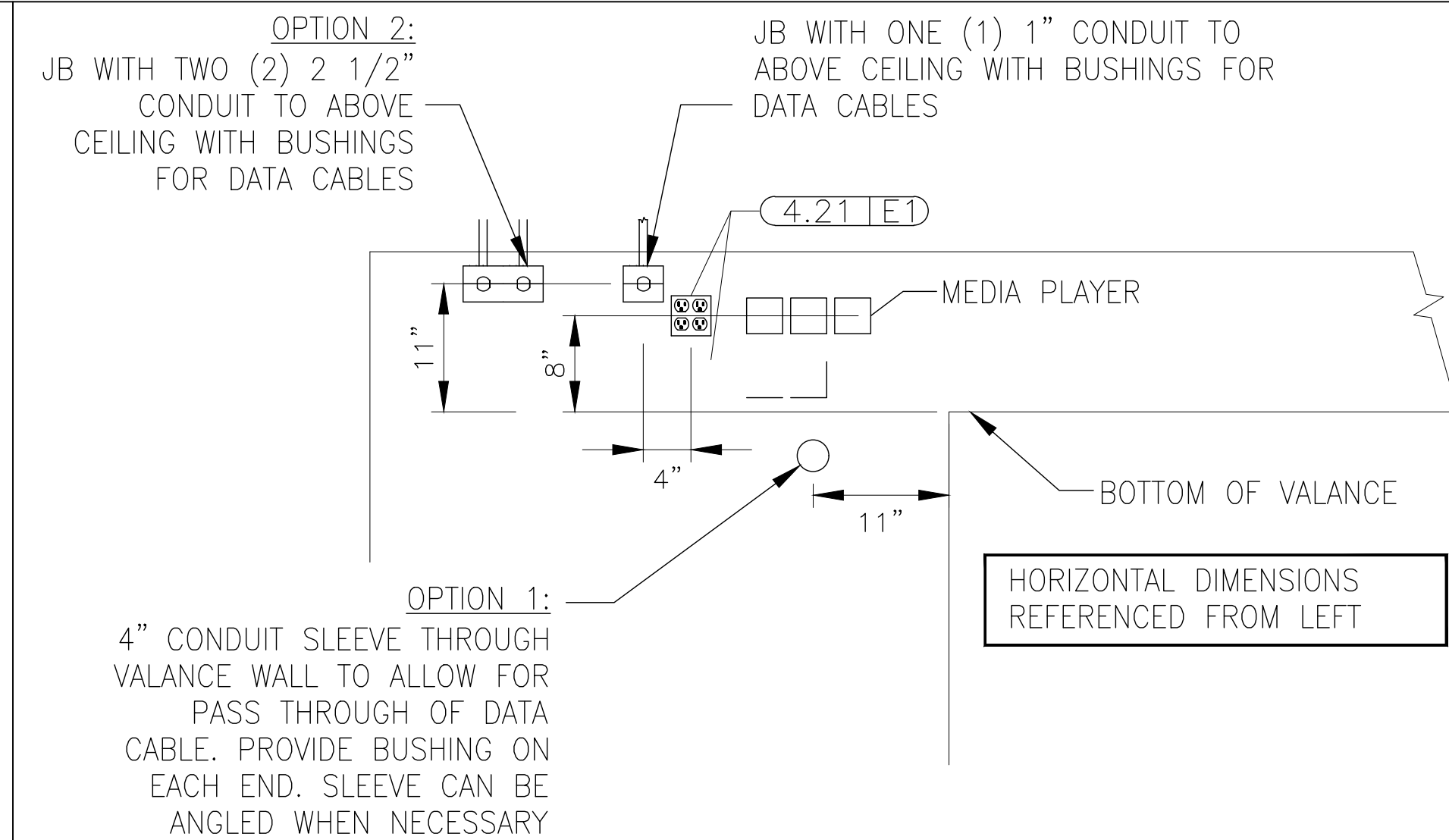
1 RECESSED MENU BOARDS
1" = 1'-0"

KEY NOTES

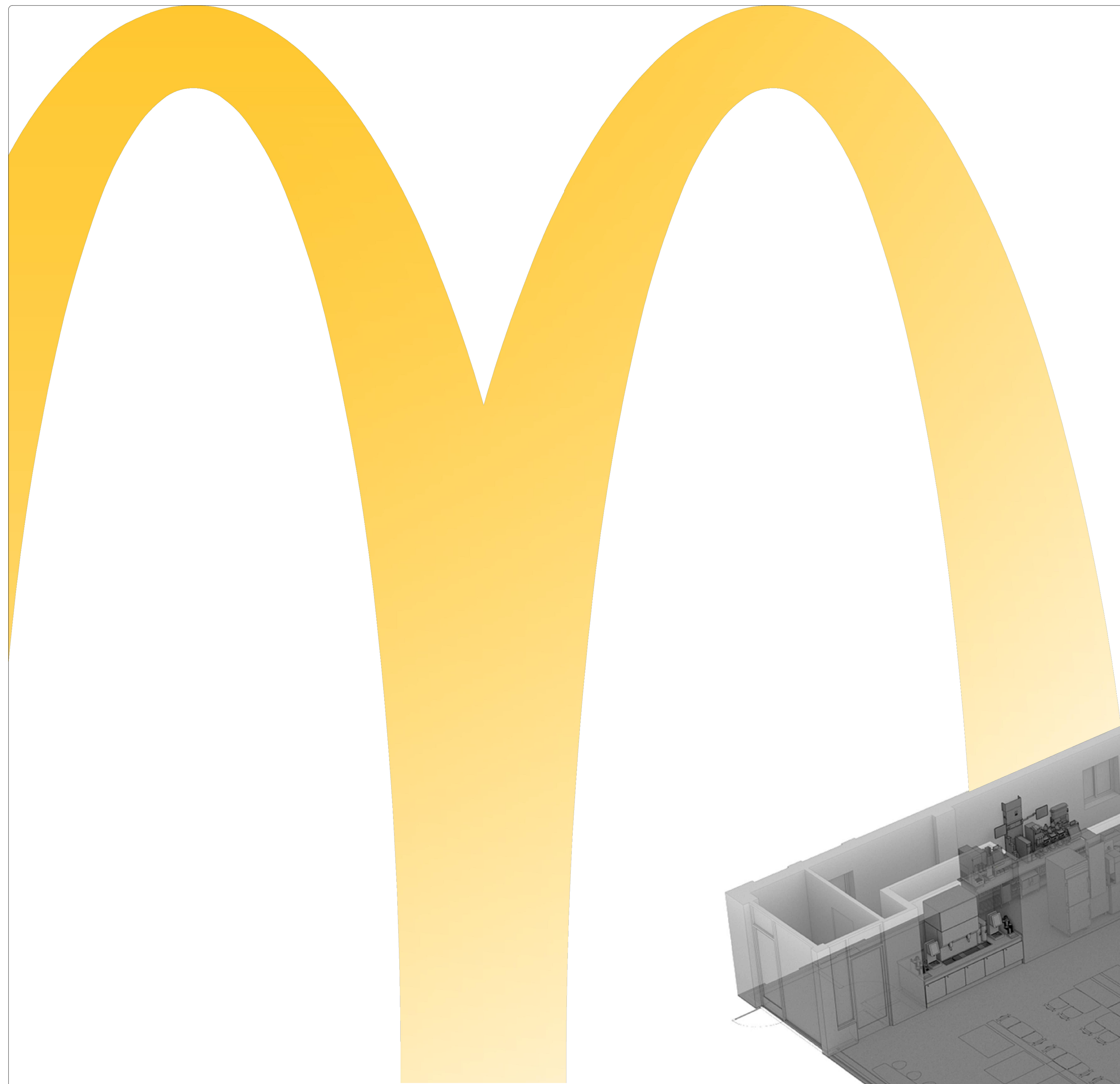
- THIS SLIP SHEET IS PROVIDED FOR ELECTRICAL ROUGH-IN PREPARATION AND GENERAL DIGITAL MENU BOARD MOUNTING GUIDELINES. EVALUATE EXISTING VALANCE WALL STRUCTURE AND BACKING MATERIALS TO ENSURE ADEQUATE SUPPORT OF EQUIPMENT.
- ALL HEADER AND WALL PENETRATIONS FOR CONDUITS OR OTHER ELECTRICAL ROUTING MUST BE SEALED TIGHT.

DIGITAL MENU BOARD (DMB) INSTALLATION NOTES:

- DMB SUPPORT EQUIPMENT INCLUDES:
 - NETWORK MANAGEMENT DEVICE (NMD)
 - 24 PORT ENHANCED WAYPORT SWITCH (EWS) THIS EQUIPMENT IS TYPICALLY MOUNTED IN TECHNOLOGY CLOSET OR IN MANAGER'S OFFICE.
- DMB INSTALLERS TO ROUTE CONTROL WIRES FROM NMD/EWS ABOVE CEILING TO MENU BOARD VALANCE WALL. WIRES TO EXIT WALL VIA J-BOXES.
- EACH DMB SECTION REQUIRES A DEDICATED MEDIA PLAYER.

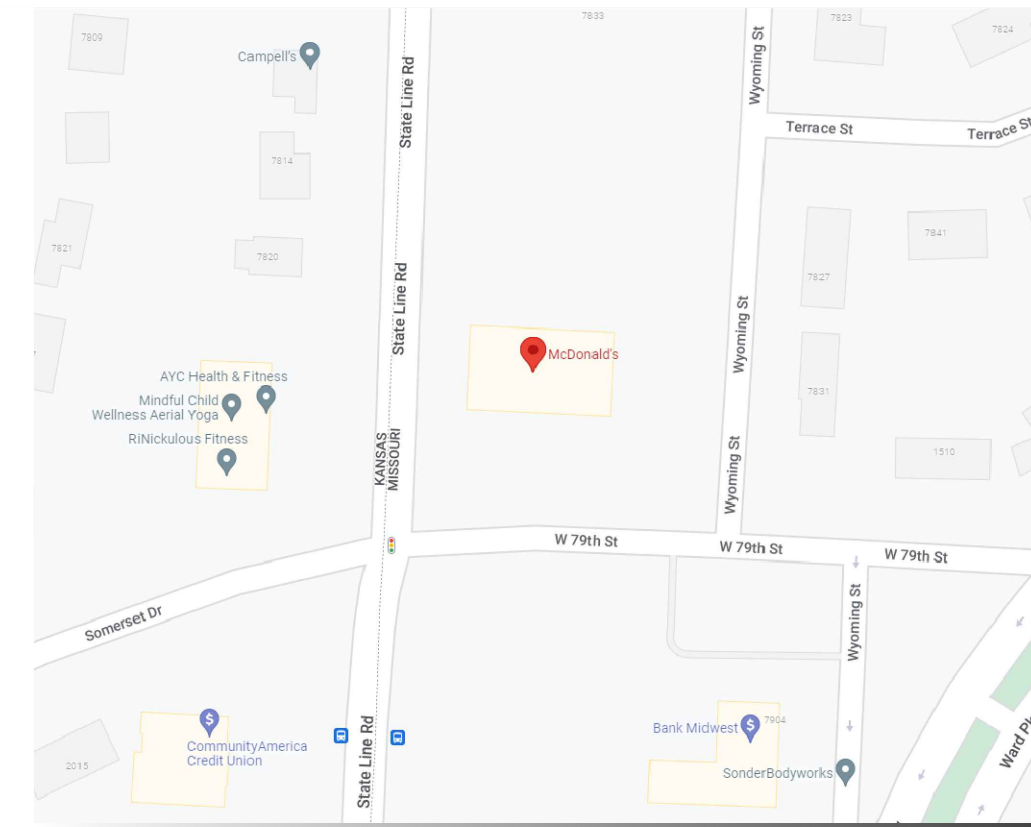


2 BACK OF WALL VALANCE
3/4" = 1'-0"



NATIONAL STORE# 01916

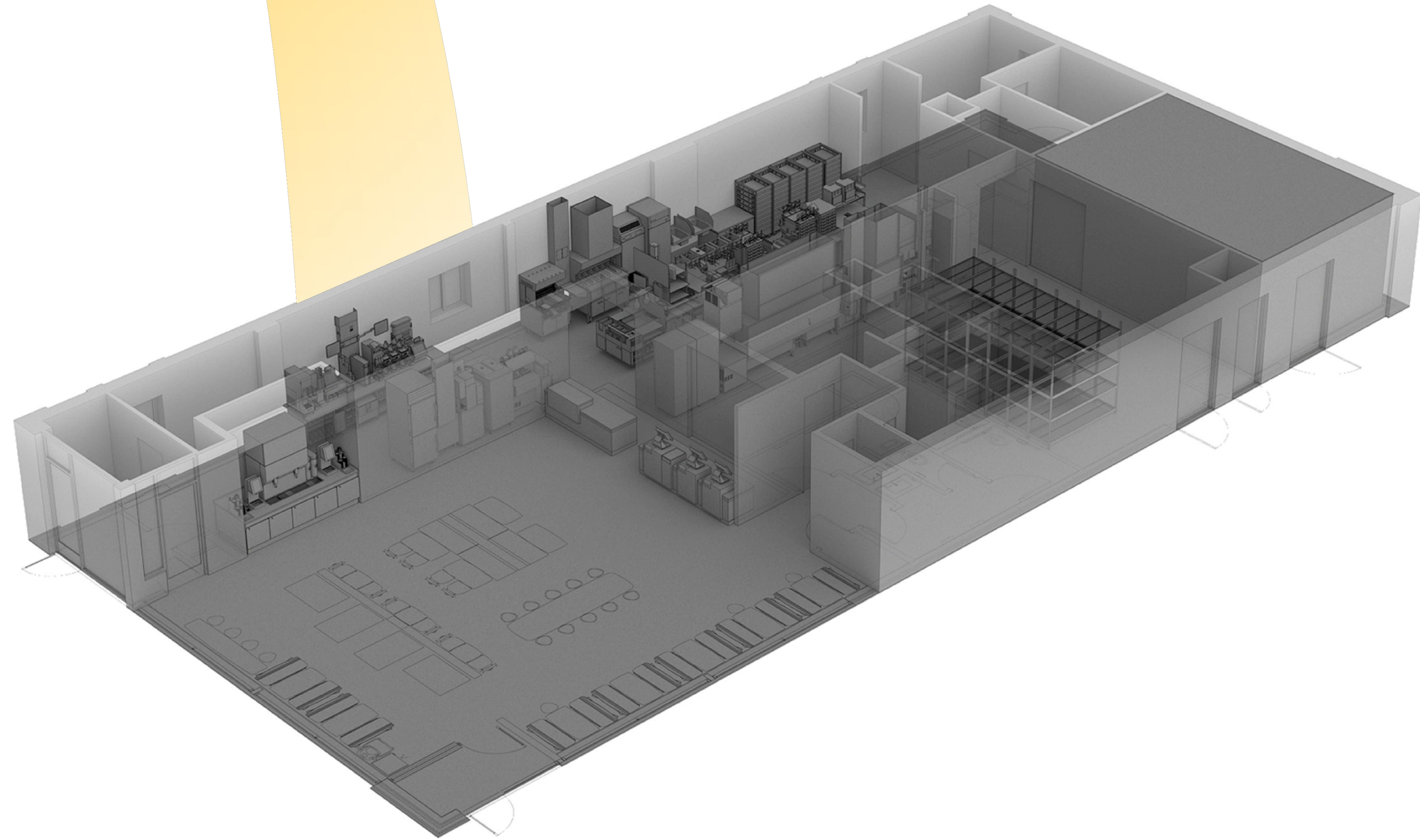
7887 STATE LINE RD, KANSAS CITY, MO 64114



MAP VIEW



AERIAL VIEW



H+K INTERNATIONAL

MARKET MANAGER : JON RYAN

PHONE : 469.571.8677

EMAIL : Jon.Ryan@hki.com



H + K INTERNATIONAL
 H + K DALLAS INC.
 2200 SKYLINE DR.
 MESQUITE, TX 75149
 214.818.3500

DATE : 09MAR23

DRAWN : MH

CHECKED : CC

SCALE : SEE PLAN

BY : | | | | |

DESCRIPTION

DESCRIPTION

DATE	REV	DESCRIPTION

TITLE :

MRP-BCK COVER

**7887 STATE LINE RD
 KANSAS CITY, MO**

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CUSTOMER :
McDONALD'S CORPORATION
 OAK BROOK, ILLINOIS

STORE # :
01916

SITE ID :
240051

SHEET #
1 OF 3

SHEET :

K-1

N-NEW, R-RELO, E-EXISTING, F-FUTURE, O-OPTIONAL EQUIPMENT SCHEDULE

Main equipment schedule table with columns: ITEM #, QTY, OPT, ITEM DESCRIPTION, MFR, UNIT ID, U/L LIST, NSF LIST, FURN BY, REMARKS. Includes items like MODULAR FRONT COUNTER BASE, BEVERAGE SYSTEMS, DISPENSERS, and POS monitors.

ELECTRICAL SCHEDULE

Electrical schedule table with columns: ITEM #, QTY, ITEM DESCRIPTION, VOLT PHASE, FLA DRAW, HP, RECP TYPE, BRKR SIZE, COND WS, PNL CKT, HGT AFF, REQUIREMENTS. Details wiring, conduit, and breaker specifications for various equipment.

PLUMBING SCHEDULE

Plumbing schedule table with columns: ITEM #, QTY, ITEM DESCRIPTION, GAS TYPE, GAS BTU, GAS SIZE, HOT WATER, COLD WATER, MISC PLBG, HGT AFF, DRAIN, REQUIREMENTS. Specifies piping, valves, and drainage for beverage systems.



H + K INTERNATIONAL
H + K DALLAS INC.
2 2 0 0 SKYLINE DR.
MESQUITE, TX 75149
2 1 4 . 8 1 8 . 3 5 0 0

DATE : 09MAR23

DRAWN : MH

CHECKED : CC

SCALE : SEE PLAN

Vertical table with columns: BY, DATE, REV. Rows for description and revision tracking.

TITLE :

MRP-BCK SCHEDULES

7887 STATE LINE RD KANSAS CITY, MO

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CUSTOMER : MCDONALD'S CORPORATION OAK BROOK, ILLINOIS

STORE # : 01916

SITE ID : 240051

SHEET # 3 OF 3

SHEET :