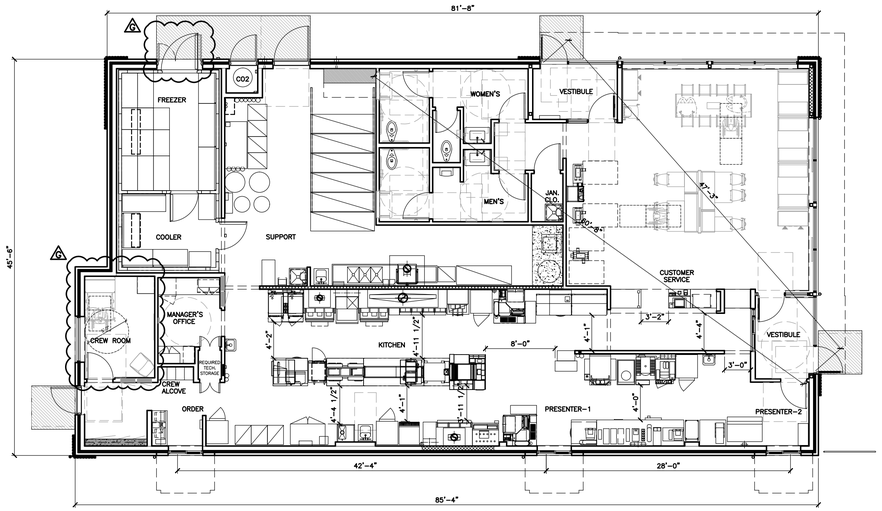


NORTH

4584-WW PLAN

32 SEATS (2 ACCESSIBLE SEATS)

THIS DRAWING IS FOR SEATING REFERENCE ONLY (SEATING LAYOUT NOT FOR CONSTRUCTION)

SEATING LAYOUT IS SCHEMATIC, THE FINAL SEATING LAYOUT TO BE PROVIDED BY DECOR, UNDER SEPARATE COVER BY OTHERS

OCCUPANCY ALLOWANCE:

2018 INTERNATIONAL BUILDING CODE

TABLE 1004.5

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANTS
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	588 SF	2
ASSEMBLY WITH FIXED SEATS	SEE PLAN	–	32
ASSEMBLY W/OUT FIXED SEATS, STANDING SPACE	5 NET	110 SF	22
BUSINESS AREAS	150 GROSS	64 SF	1
KITCHENS, COMMERCIAL (BASED ON FULL KITCHEN STAFF)	200 GROSS	–	14
TOTAL OCCUPANCY ALLOWANCE			71

2024 4584-WW BLDG-BB20

DENVER FIELD OFFICE

BUILDING INFORMATION:

ADDRESS:

STATE SITE CODE:	024-1306
STREET ADDRESS:	8650 N. INDIANA AVENUE
CITY:	KANSAS CITY
COUNTY:	CLAY
STATE:	MISSOURI

STRUCTURE:

WOOD LOAD BEARING WALLS, WOOD ROOF FRAMING

UTILITIES:

ELECTRIC GRILLS & ELECTRIC FRYERS
GAS HVAC & GAS WATER HEATER

BUILDING CODE:

BUILDING CODE EDITION:	2018 INTERNATIONAL BUILDING CODE
MECHANICAL CODE EDITION:	2018 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE EDITION:	2017 NATIONAL ELECTRICAL CODE
PLUMBING CODE EDITION:	2018 UNIFORM PLUMBING CODE
ENERGY CODE EDITION:	2021 INTERNATIONAL ENERGY CONSERVATION CODE
FIRE/LIFE SAFETY CODE EDITION:	2018 IFC & NFPA 101 LIFE SAFETY CODE
FUEL/GAS CODE EDITION:	2018 INTERNATIONAL FUEL GAS CODE
HEALTH CODE EDITION:	MISSOURI FOOD CODE
ACCESSIBILITY CODE EDITION:	2009 ICC A117.1

BUILDING DATA:

OCCUPANCY:	USE GROUP A2
CONSTRUCTION TYPE:	VB
NUMBER OF STORIES:	1
BUILDING HEIGHT:	18'-9 1/2" (MAIN BLDG. PARAPET)
GROSS BUILDING AREA:	3,795 S.F.
FLOOR AREA, GROSS:	3,521 S.F.

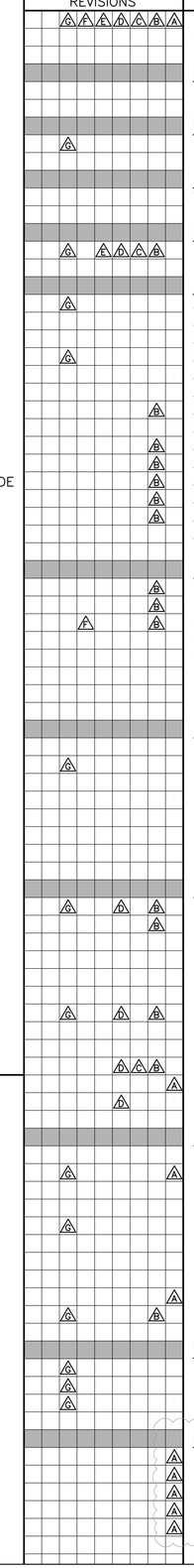
DESIGN LOADS:

SEE GENERAL STRUCTURAL NOTES ON S4.0

LIFE SAFETY SYSTEM:

EMERGENCY LIGHTING:	X YES	NO
EXIT SIGNS:	X YES	NO
FIRE ALARM:	YES	X NO
DUCT SMOKE DETECTORS W/ AUDIBULE/VISIBLE DEVICE:	X YES	NO
FIRE SPRINKLERS:	YES	X NO
SPRINKLER FLOW/TAMPER SWITCH W/ AUDIBLE/VISIBLE DEVICE:	YES	X NO
CO2 DETECTION SYSTEM W/ AUDIBLE/VISIBLE DEVICE:	X YES	NO
PANIC HARDWARE:	X YES	NO

REVISIONS



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T1.0 Cover Sheet
GN1.0 General Notes

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DT1.0 Drive-Thru Plan & Details

REFERENCE
R1.0 Exiting Plan

TRASH CORRAL
TC1.0 TRASH CORRAL

CIVIL (FOR REFERENCE ONLY)
SEE CIVIL FOR SPECIFIC SHEETS

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A1.3 Roof Plan & Details
A2.0 Exterior Elevations
A2.1 Exterior Elevations & Details
A3.1 Service Area Plan & Details
A4.0 Enlarged Restroom Plan & Details
A4.1 Enlarged Plan Details
A5.0 Wall Sections & Details
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A5.2 Wall Sections & Details
A5.3 Wall Sections & Details
A6.0 Door & Hardware Schedules & Details
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M3.0 Mechanical Details
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M4.1 Mechanical Schedules

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P1.2 Waste, Vent & Storm Piping Plan
P1.3 Underground Plumbing
P1.4 Underground Rough-in Plan
P1.5 Underground Rough-in Plan
P1.6 Overhead Rough-in Plan
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P2.1 Waste & Vent Isometric
P2.2 Storm Isometric
P3.0 Plumbing Details
P4.0 General Plumbing Notes
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ELECTRICAL
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E1.1 Rough-In Floor Plan
E2.0 Lighting Plan & Schedule
E2.2 Electrical Roof Plan
E3.0 Electrical Rough-In Schedule
E3.1 Electrical & Lighting Notes and Details
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KITCHEN EQUIPMENT
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ENERGY CODE ANALYSIS
ECA-1.0 Thermal Envelope
ECA-1.1 Thermal Envelope
ECA-2 Mechanical COMcheck
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ECA-3 Int. Lighting COMcheck

△ ADDED

REV	DATE	DESCRIPTION	BY
G	12/23/25	DECOR	AL
F	12/12/25	STRUCTURAL CLARIFICATION	AL
E	09/26/25	CITY CMNTS.	AL
D	08/04/25	CITY CMNTS.	AL
C	07/11/25	CITY CMNTS.	AL
.	02/26/25	PERMIT SET	AL
.	12/06/24	BID SET	AL

STATE OF MISSOURI — COREY ALLAN ENGLUND — NUMBER A-2023032608 — ARCHITECT

12/23/2025
Reprise Design, Inc.
Missouri Registered
Architectural Firm
2007030603

PREPARED BY: reprise DESIGN Architecture, Inc. 12400 Portland Avenue South, Suite 100, Burnsville, Minnesota 55337, Office: (952) 252-4042, Fax: (952) 252-4043

PREPARED FOR: McDonald's USA, LLC

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DRAWN BY: AL | STD ISSUE DATE: 2024 05
REVIEWED BY: KD | DATE ISSUED: 02 26 2025
RD# 24247

TITLE: 2024 STANDARD BUILDING – BB20
4584-WOOD/WOOD

DESCRIPTION: WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI WOOD TRUSS ROOF FRAMING
E.I.F.S./BATTEN/BRICK EXTERIOR FINISH

NSN: 43016 | SITE ADDRESS: 8650 N. Indiana Avenue, Kansas City, MO 64156
L/C: 024-1306

024-1306.00.G

SHEET NO. T1.0
COVER

SYMBOL LEGEND:

- 6 / A4.0 — SECTION TAG
- 6 / A4.0 — DETAIL TAG
- 5 / A6.0 — DETAIL TAG
- T/ SLAB ELEV. 0'-0" — ELEVATION TAG
- 6 / A4.0 DETAIL 1 1/2"=1'-0" DETAIL NUMBER — DRAWING TITLE
- 7 — DOOR TAG
- DINING ROOM 103 — ROOM NAME & NUMBER
- A — PARTITION TAG

DESIGNER OF RECORD

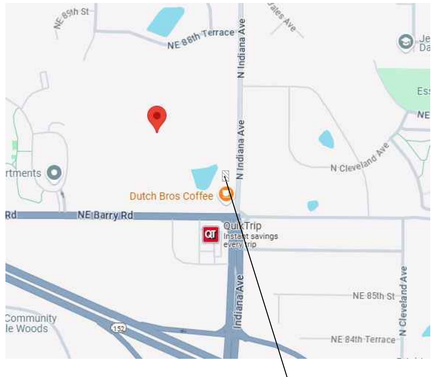
DISCIPLINE:	NAME:	ADDRESS:	LICENSE #
ARCHITECT:	Reprise Design Corey Allan Englund (952) 252-4042	12400 Portland Avenue Burnsville, MN 55337 Suite #100	A-2023032608
STRUCTURAL:	Voigt & Associates Paul W. Voigt (651) 686-7727	4635 Nicols Road Eagan, MN 55122	PE-2008007656
MECHANICAL:	Emanuelson-Podas, Inc Michael A. Webert (952) 930-0050	7705 Bush Lake Road Edina, MN 55439	2004000077
PLUMBING:	Emanuelson-Podas, Inc Michael A. Webert (952) 930-0050	7705 Bush Lake Road Edina, MN 55439	2004000077
ELECTRICAL:	Emanuelson-Podas, Inc Matthew W. Fults (952) 930-0050	7705 Bush Lake Road Edina, MN 55439	2004005366

McDONALD'S CONSTRUCTION PROJECT MANAGER

MANAGER:	NAME:	EMAIL:	PHONE #
	Todd Wright	todd.wright@us.mcd.com	(773) 805-7114

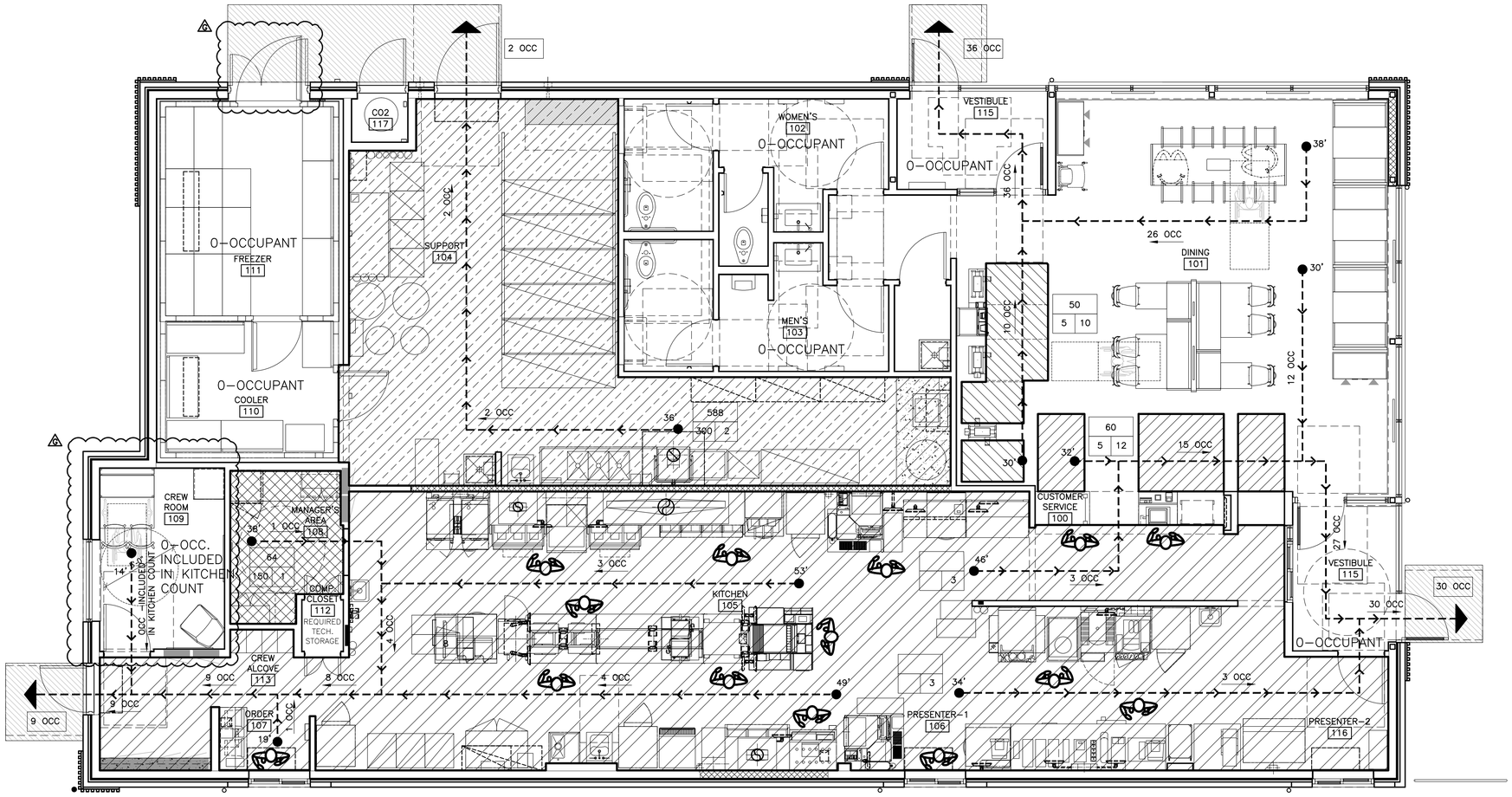
IF YOU HAVE ANY QUESTIONS REGARDING THESE PLANS, PLEASE CONTACT THE ARCHITECTURAL PROJECT MANAGER:

Kristi Donahue
PHONE: 763-244-4752
EMAIL: kdonahue@reprisedesign.com



VICINITY MAP:

NORTH



1 R1.0 **EXITING PLAN**
1/4"=1'-0"

NORTH

OCCUPANCY COUNT LEGEND:

FUNCTION OF SPACE	
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	
ASSEMBLY WITH FIXED SEATS	SEE PLAN
ASSEMBLY W/OUT FIXED SEATS STANDING SPACE	
BUSINESS AREAS	
KITCHENS, COMMERCIAL	

5. SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704 OF THE INTERNATIONAL BUILDING CODE:

a. List of applicable types of work which require Special Inspection per KCBRC Section 18-22, IBC Section 1704, and Chapter Two of the CPD Special Inspections Manual:

[X] Placement of Reinforced Concrete
[X] Testing of Reinforced Concrete
[X] Placement Reinforcing Steel
[ ] Prestressing Concrete
[X] Bolts installed in Concrete
[X] Verification of Soils
[X] Excavation and Filling
[ ] Drilled Piers or Piles
[ ] Aggregate Piers
[ ] Earth Retaining Structure
[ ] Detention Basin
[ ] Inspection of Precast Fabricator
[ ] Firestopping
[ ] Mastic and Intumescent Fire Resistive Coatings
[ ] Erection of Precast Concrete
[X] Structural Welding
[X] High Strength Bolting
[X] Steel Frame Inspection
[X] Inspection of Structural Steel AISC Certified Fabricator
[ ] Inspection of Metal Building Fabricator
[ ] Sprayed Fire Resistant Materials
[X] Structural Masonry
[ ] Temporary Shoring
[ ] EIFS Insulation/Finish System
[ ] Smoke Control System
[ ] Seismic Resistance
[X] Post-Installed Anchors
[ ] Other_____

b. Submit a letter from the Special Inspection Agency hired by the owner accepting responsibility for each applicable item.
c. List approved fabricators (if any) for specific types of work.
d. For smoke control systems, submit system documentation including the design requirements (IBC 909.2), rational analysis (IBC 909.4), and acceptance testing procedures and methods (IBC 909.3, 909.18).

Kansas City, Missouri
City Planning & Devlopment
Commercial Construction Permit Checklist Information bulletin no. 110 – Part C

REV	DATE	DESCRIPTION	BY
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STATE OF MISSOURI
COREY ALLAN ENGLUND
NUMBER A-2023032688
ARCHITECT
12/23/2025
Reprise Design, Inc.
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PREPARED BY:
reprise DESIGN
Architecture, Inc.
12400 Portland Avenue South
Burnsville Corporate Center
Suite 100, Burnsville, MN 55337
Office: (952) 252-4042
Fax: (952) 252-4043

PREPARED FOR:
McDonald's USA, LLC

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TITLE
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4584-WOOD/WOOD

DESCRIPTION
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WOOD TRUSS ROOF FRAMING
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NSN: 43016
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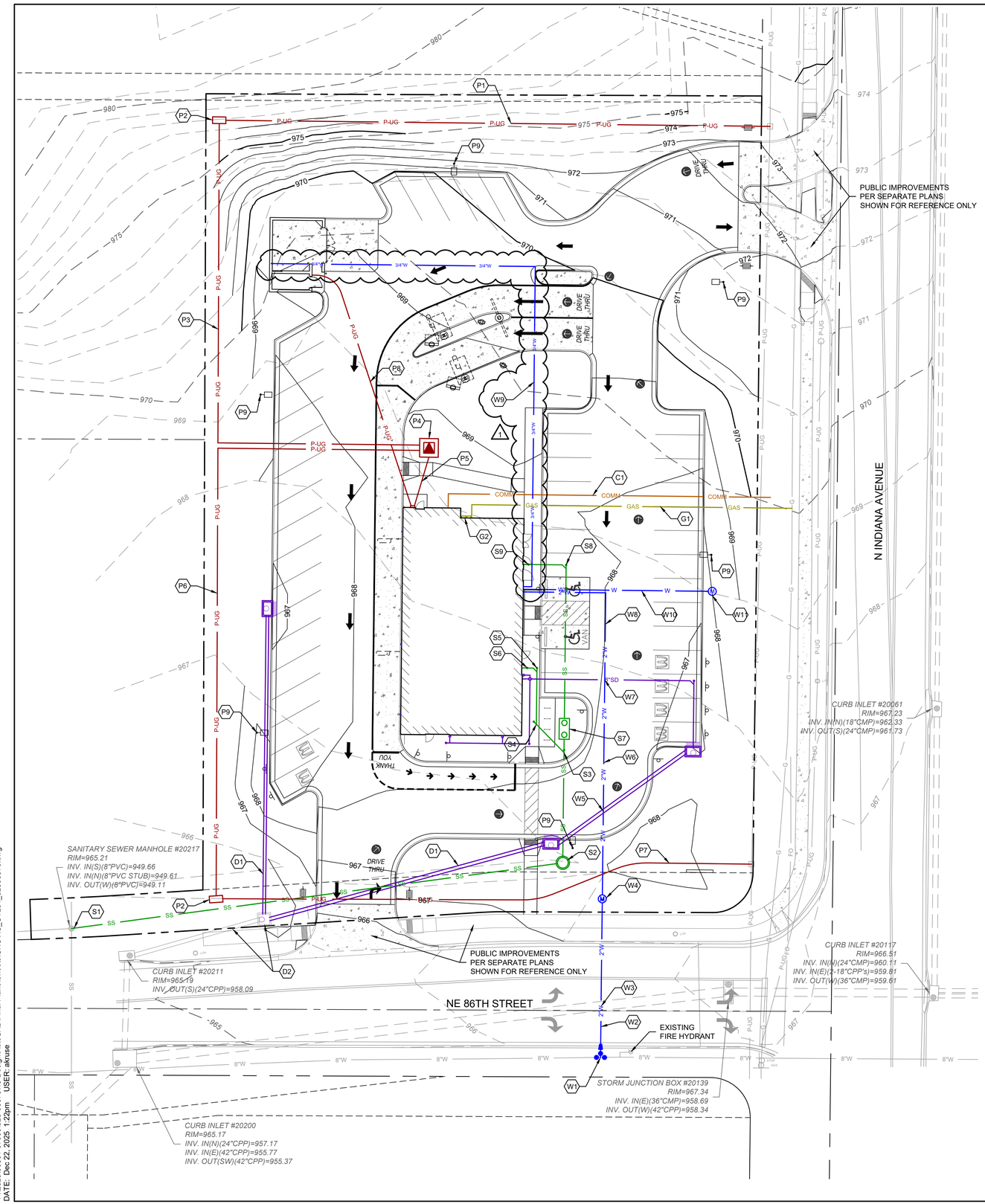
Roll 24247

SHEET NO.
024-1306.00.G
R1.0
EXITING PLAN



POWER SERVICE (P)

ALL ALIGNMENT AND LOCATIONS ARE ENGINEER RECOMMENDATIONS ONLY. EVERGY SHALL DETERMINE FINAL DESIGN INCLUDING ALIGNMENTS. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WITH EVERGY.

ALL INSTALLATIONS SHALL CONFORM WITH EVERGY SPECIFICATIONS AND GUIDELINES.

P1 INSTALL 207 L.F. OF 4" PVC CONDUIT WITH PULL STRING, PER EVERGY STANDARDS, FROM EXISTING JUNCTION BOX TO NEW SECTIONALIZER.

P2 INSTALL SECTIONALIZER PER EVERGY STANDARDS.

P3 INSTALL 197 L.F. OF 4" PVC CONDUIT WITH PULL STRING, PER EVERGY STANDARDS, FROM NEW SECTIONALIZER TO PROPOSED TRANSFORMER PAD.

P4 CONSTRUCT TRANSFORMER PAD PER EVERGY STANDARDS. EVERGY TO MOUNT TRANSFORMER AND PULL WIRE.

P5 INSTALL 19 L.F. OF 4" PVC CONDUIT W/ PULL STRING FOR SECONDARY POWER SERVICE. COORDINATE BUILDING CONNECTION WITH MEP PLANS.

P6 INSTALL 246 L.F. OF 4" PVC CONDUIT WITH PULL STRING, PER EVERGY STANDARDS, FROM PROPOSED TRANSFORMER PAD TO NEW SECTIONALIZER.

P7 INSTALL 204 L.F. OF 4" PVC CONDUIT WITH PULL STRING, PER EVERGY STANDARDS, FROM EXISTING JUNCTION BOX TO NEW SECTIONALIZER.

P8 INSTALL 98 L.F. OF 4" PVC CONDUIT W/ PULL STRING FOR POWER SERVICE TO STORAGE SHED/TRASH ENCLOSURE

P9 INSTALL LIGHT POLE, SEE PHOTOMETRIC PLAN FOR ADDITIONAL INFORMATION

NATURAL GAS SERVICE (G)

NATURAL GAS SERVICE ROUTING SHOWN IS PROPOSED ONLY. FINAL DESIGN BY SERVICE PROVIDER. CONTRACTOR SHALL CONTACT ENGINEER WITH ANY CONFLICTS. METER LOCATION AND SERVICE SIZING PER MEP PLAN AND SERVICE PROVIDER.

G1 INSTALL 125 L.F. OF PIPE FOR NATURAL GAS SERVICE. COORDINATE SIZE AND MATERIAL WITH SERVICE PROVIDER.

G2 INSTALL GAS METER AND CONNECT TO BUILDING. COORDINATE BUILDING CONNECTION WITH MEP PLANS.

COMMUNICATIONS (C)

COMMUNICATION SERVICE ROUTING SHOWN IS PROPOSED ONLY. FINAL DESIGN BY SERVICE PROVIDER. CONTRACTOR SHALL CONTACT ENGINEER WITH ANY CONFLICTS.

C1 INSTALL 127 L.F. OF 2" PVC CONDUIT W/ PULL STRING FOR COMMUNICATION SERVICE. COORDINATE CONNECTION W/ AT&T.

SANITARY SEWER (S)

S1 CONNECT TO EXISTING SANITARY SEWER MANHOLE PER KCMO STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR TO VERIFY INVERT.
INV. IN (E) ELEV. = 950.61
INSTALL 186.2 L.F. OF 4" PVC (SCH-40) @ 4.92% TO S2

S2 INSTALL 4' DIA. SAMPLING MANHOLE PER KCMO STANDARD DETAILS
RIM = 967.29
INV. IN (N) ELEV. = 959.91
INV. OUT (W) ELEV. = 959.81
INSTALL 54.5 L.F. OF 4" PVC (SCH-40) @ 2.00% TO S3

S3 INSTALL 4" PVC WYE & CLEANOUT
INV. ELEV. = 961.00
INSTALL 14.8 L.F. OF 4" PVC (SCH-40) @ 7.19% TO S4
INSTALL 5.0 L.F. OF 4" PVC (SCH-40) @ 2.00% TO S7

S4 INSTALL 4" PVC WYE & CLEANOUT
INV. ELEV. = 962.07
INSTALL 21.1 L.F. OF 4" PVC (SCH-40) @ 7.19% TO S5

S5 INSTALL 4" PVC WYE & CLEANOUT
INV. ELEV. = 963.59
INSTALL 3.7 L.F. OF 4" PVC (SCH-40) @ 7.19% TO S6

S6 INSTALL 4" PVC WYE & CLEANOUT
INV. ELEV. = 963.85
INSTALL 2.0 L.F. OF 4" PVC (SCH-40) @ 7.19% TO BUILDING
INV. ELEV. AT BUILDING = 964.00
RE: MEP PLANS FOR CONTINUATION

S7 INSTALL GREASE INTERCEPTOR. RE: MEP FOR ADDITIONAL DETAILS.
INV. IN (N) ELEV. = 961.27
INV. OUT (S) ELEV. = 961.10
INSTALL 57.7 L.F. OF 4" PVC (SCH-40) @ 2.00% TO S8

S8 INSTALL 4" PVC WYE & CLEANOUT
INV. ELEV. = 962.43
INSTALL 14.2 L.F. OF 4" PVC (SCH-40) @ 9.70% TO S9

S9 INSTALL 4" PVC WYE & CLEANOUT
INV. ELEV. = 963.80
INSTALL 2.0 L.F. OF 4" PVC (SCH-40) @ 9.70% TO BUILDING
INV. ELEV. AT BUILDING = 964.00
RE: MEP PLANS FOR CONTINUATION

STORM SEWER (D)

D1 SEE STORM SEWER PLAN & PROFILE SHEET C401

D2 REFERENCE PUBLIC IMPROVEMENT PLANS

WATER SERVICE (W)

ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.

W1 COORDINATE WITH CITY TO CONNECT TO EXISTING 8" DIP WATER MAIN, SEE CONNECTION DETAIL A THIS SHEET

W2 BORE AND INSTALL 60 L.F. 2" TYPE K COPPER DOMESTIC WATER SERVICE LINE (48" MIN. COVER, 60" MAX. COVER)

W3 CRITICAL CROSSING
EXISTING GROUND = 966.58
BOTTOM OF WATER = 962.55
TOP OF EXISTING STORM = 961.55

W4 INSTALL 2" METER IN UNDERGROUND VAULT PER CITY OF KANSAS CITY STANDARDS AND SPECIFICATIONS. LIDS SHALL BE EXTENDED TO MATCH FINISH GRADE. METER SETS FOR METERS 1-1/2" AND LARGER WILL REQUIRE A BYPASS WITH A SEALED AND LOCKABLE BYPASS VALVE. ON 1-1/2" AND 2" SERVICES, THE BYPASS MAY BE REDUCED TO A MINIMUM OF 1". VALVES ON THESE REDUCED BYPASSES MAY BE OTHER THAN O.S. & Y. TYPE.

W5 CRITICAL CROSSING. MAINTAIN 18" MIN. SEPARATION
BOTTOM OF STORM = 962.22
TOP OF WATER = 960.72

W6 INSTALL 146 L.F. 2" TYPE K COPPER DOMESTIC WATER SERVICE LINE (48" MIN. COVER, 60" MAX. COVER) TO BUILDING (RE: MEP FOR CONTINUATION) BACKFLOW PREVENTER LOCATED WITHIN BUILDING

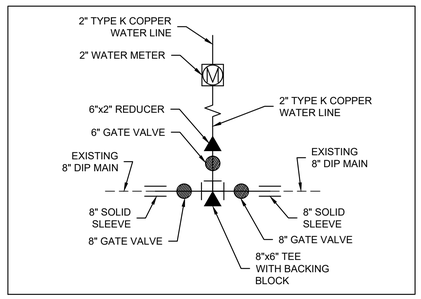
W7 CRITICAL CROSSING. MAINTAIN 18" MIN. SEPARATION
BOTTOM OF STORM = 964.17
TOP OF WATER = 962.67

W8 CRITICAL CROSSING. MAINTAIN 18" MIN. SEPARATION
BOTTOM OF WATER = 964.07
TOP OF SEWER = 962.57

W9 INSTALL 223 L.F. 3/4" WATER LINE (48" MIN. COVER, 60" MAX. COVER) FROM BUILDING TO FROST PROOF YARD HYDRANT LOCATED IN TRASH ENCLOSURE (RE: ARCH, MEP) HYDRANT SHALL BE WOODFORD MODEL S4H, OR APPROVED EQUAL. (1)

W10 INSTALL 70 L.F. 1" WATER LINE FROM BUILDING TO METER FOR IRRIGATION. (RE: MEP).

W11 INSTALL 1" SAC METER FOR IRRIGATION. CONTACT SCOTT CAHAIL, KC WATER, AT 816-513-0385 TO FOLLOW UP ON INITIATED REQUEST AND CONFIRM FINAL LOCATION.



CONNECTION DETAIL A

NOTE: GATE VALVE LIDS SHALL BE INSTALLED TO FINISH GRADE ELEVATIONS

LEGEND

W	EXISTING WATER LINE
SS	EXISTING SANITARY SEWER LINE
	EXISTING STORM SEWER LINE
P-OH	EXISTING OVERHEAD POWER LINE
P-UG	EXISTING UNDERGROUND POWER LINE
FO	EXISTING FIBER OPTIC LINE
G	EXISTING GAS LINE
W W	PROPOSED WATER LINE
SS	PROPOSED SANITARY SEWER LINE
	PROPOSED STORM SEWER LINE
P-UG	PROPOSED UNDERGROUND POWER LINE
COMM	PROPOSED COMMUNICATION LINE
GAS	PROPOSED GAS LINE
1000	EXISTING GROUND CONTOUR
1000	FINISHED GROUND CONTOUR

N

0' 10' 20' 40'
SCALE IN FEET

REV	DATE	DESCRIPTION	BY
1	12.22.25	REVISED WATER LINE TO TRASH CORRAL	AJK
D	09.26.25	REVISED PER CITY COMMENTS	KMM
C	08.04.25	REVISED PER CITY COMMENTS	AJK
B	07.11.25	REVISED PER CITY COMMENTS	AJK
A	05.15.25	REVISED PER CITY COMMENTS	AJK
	02.17.25	ISSUED FOR PERMIT REVIEW	AJK

STATE OF MISSOURI
MITCHELL ALAN PLEAK
NUMBER PE-2009016764
12-21-25
PROFESSIONAL ENGINEER

olsson
Olsson - Engineering
Missouri COA #001592
302 S. 4th Street, Suite 110
Manhattan, Kansas 66502
TEL 785.539.6900
FAX 785.539.6901
www.olsson.com

PREPARED FOR:
McDonald's USA, LLC

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DRAWN BY	REVIEWED BY	DATE ISSUED
AJK	MAP	02.17.25
STD ISSUE DATE		

TITLE
UTILITY PLAN

DESCRIPTION
McDONALD'S RESTAURANT
KANSAS CITY, MISSOURI

SITE ID
024-1306

SITE ADDRESS
8650 N. INDIANA AVENUE, KANSAS CITY, MISSOURI

024-1306.00.0

SHEET NO.
C400

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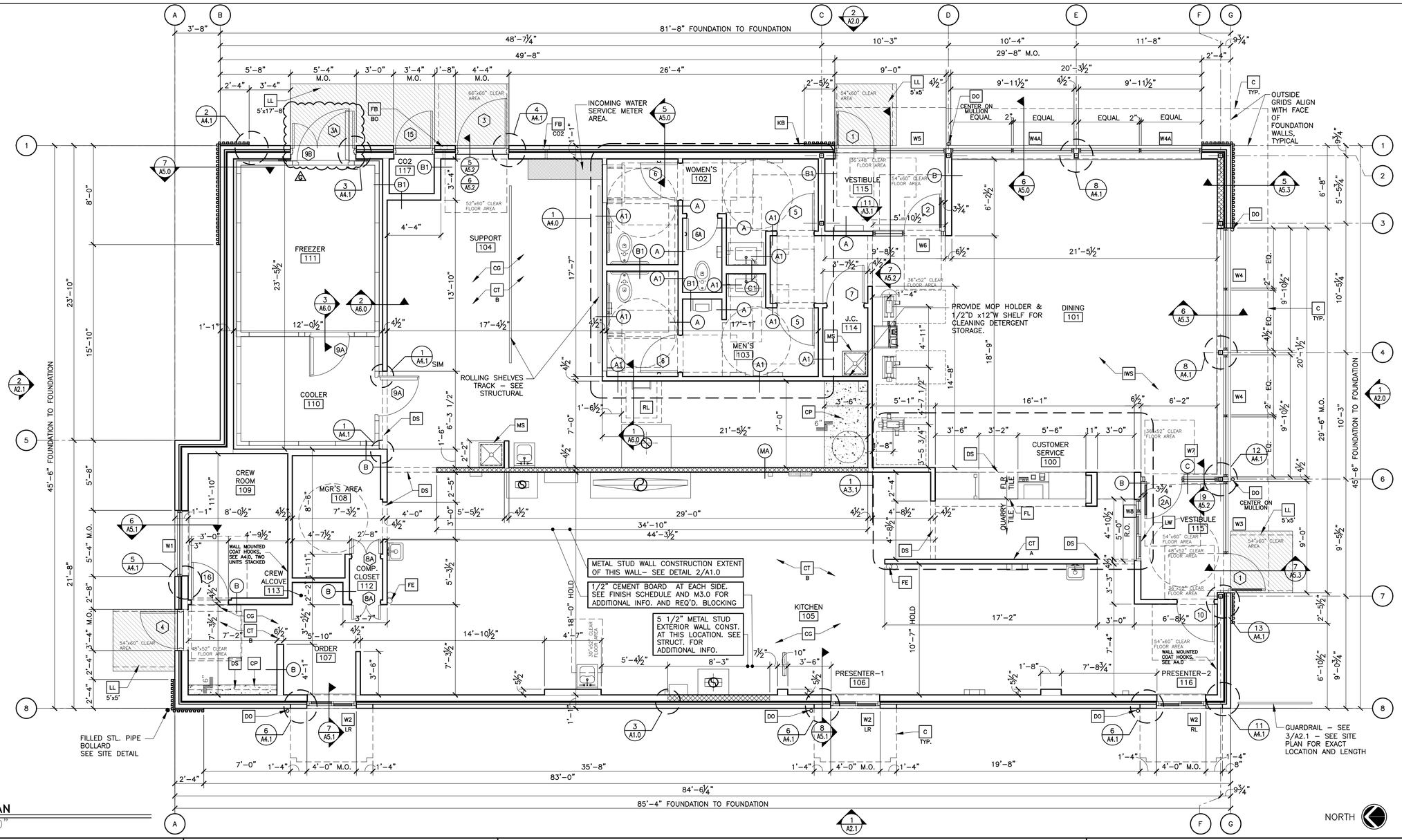
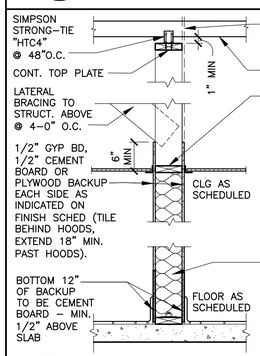


1 A1.0 **FLOOR PLAN**
1/4"=1'-0"



METAL STUD PARTITION TYPE:
"MA" = 3 5/8"

SPACING: 16" O.C.
STUD GUAGE:
LOAD BEARING: 18
NON-LOAD BEARING: 20

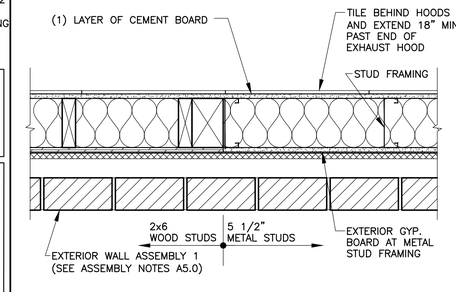
WOOD STUD PARTITION TYPE:
ALL PARTITIONS TYPE 'A' UNLESS NOTED OTHERWISE

"A" = 2x4
"A1"= 2x4 W/ SOUND BATT INS.
"B" = 2x6
"B1"= 2x6 W/ SOUND BATT INS.
"C" = 2x8
"C1"= 2x8 W/ SOUND BATT INS.

*EQUIVALENT LIGHT GAUGE METAL STUDS ALSO ACCEPTABLE

STUD SPACING: 16" O.C.

2 A1.0 **INTERIOR PARTITION**
3/4"=1'-0"



3 A1.0 **TRANSITON DETAIL**
1 1/2"=1'-0"

KEY NOTES

- C — ALUMINUM CANOPY SYSTEM ABOVE – SEE 4/A5.0 FOR NOTES – SEE ROOF PLAN FOR DIMENSIONS, SEE ELEVATION FOR COLORS
- CG — G.C. TO PROVIDE 4"x4"x5'-0" HIGH STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED LOCATIONS IN KITCHEN/SUPPORT AREA. CORNER GUARDS TO START AT FINISH FLOOR. ATTACH WITH WOOD SCREWS INTO WOOD BLOCKING BULLNOSE COVE BASE WHERE TILE MEETS STAINLESS STEEL CORNER
- CP — CONCRETE EQMT PAD – VERIFY SIZE W/ EQUIPMENT MANUFACTURER – SEE STRUCTURAL – SEE DETAIL 5/A6.0 FOR OPTIONAL TILE AT RAISED SLAB
- CT A — WALL FINISH: PER DECOR PORTFOLIO. SEE SHEET A3.1 AND A6.1 FOR FINISH INFORMATION.
- CT B — WALL TILE: CROSSVILLE – COLOR BY NUMBERS COLOR: AFTERNOON SPRAY, SIZE: 4"x12", PATTERN: STACKED BOND GROUT: MAPEI 02 PEWTER – JOINT TO BE 3/16" MAX. USE THIS TILE WHEN HIGH LRV IS REQUIRED COORDINATE WITH McDONALD'S AREA CONSTRUCTION MANAGER
- DO — DOWNSPOUT CONNECTED TO CANOPY SYSTEM. SEE ELEVATIONS. COORDINATE CONNECTION WITH CIVIL.
- DS — DROPPED SOFFIT ABOVE – SEE REFLECTED CEILING PLAN
- D# — DECOR PORTFOLIO SPECIFIC ELEMENT – SEE FINISH SCHEDULE
- FB CO2 — CO2 FILL BOX (EQUIPMENT SCHEDULE ITEM 49.00)
- FB BO — OPTIONAL BULK OIL FILL BOX (EQPM SCHEDULE ITEM 700.18) CONFIRM USE WITH MCDONALD'S AREA CONSTRUCTION MANAGER
- FE — PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED PER NFPA 10–2018 (IFC–2018 § 906.1; 906.2). SEE K1.0, K2.0, AND K2.1 FOR MORE INFORMATION.
- FL — FLOOR LINE – CHANGE IN MATERIAL – SEE FINISH SCHEDULE
- FP — FIBERGLASS REINFORCED PLASTIC (FRP) – PANOLAM, GRAY SMOOTH, CLASS A, .075. REFER TO ROOM FINISH SCHEDULE SHEET A6.1 FOR INSTALLATION LOCATIONS. FOR ORDERING, CONTACT KIMBERLY LAWSON Kimberly_Lawson@panolam.com 1–866–925–4377
- KB — A KNOX BOX SHALL BE PROVIDED NEAR THE MAIN ENTRANCE TO THE BUILDING (IFC–2018 § 506.1). SEE GENERAL NOTE 10.
- IWS — INTERIOR WAYFINDING SIGNAGE @ AMENITY STATION – ADA ASSISTANCE SIGNAGE – SEE DECOR FOR LOCATION
- LL 5'x5' — LEVEL LANDING @ EXT. DOOR W/ MAX. 2% RUNNING/CROSS SLOPE AWAY FROM BUILDING; SIZE OF LANDING
- LW — LATE–NIGHT WINDOW (OPTIONAL) BY READYACCESS, MANUAL OPEN/SELF CLOSE. SEE SHEET A6.0 FOR NOTES.
- MS — MOP SINK – SEE DETAIL 8/A6.1 AND PLUMBING DRAWINGS.
- RL — ROOF ACCESS LADDER W/HATCH ABOVE SEE STRUCTURAL FRAMING PLAN FOR LOCATING DIMENSIONS
- W# — EXTERIOR WINDOW ASSEMBLY – SEE A2.0, A2.1 & 4/A5.0 FOR ADDITIONAL NOTES

SYMBOL LEGEND

- (A) — PARTITION TYPE TAG SEE 2/A1.0
- (7) — DOOR TAG – SEE DOOR SCHEDULE ON A6.0
- (X) — KEY NOTE

GENERAL NOTES

1. EXTERIOR DIMENSIONS ARE TO COLUMN REFERENCE LINES AND EXTERIOR FACE OF FINISH UNLESS OTHERWISE NOTED. INTERIOR DIMENSIONS ARE TO FACE OF INTERIOR WALL BOARD UNLESS OTHERWISE NOTED.
2. SEE 4/A5.0 FOR EXTERIOR WALL ASSEMBLY TYPES. SEE 2/A1.0 FOR INTERIOR PARTITION TYPES. INTERIOR PARTITIONS ARE TYPE 'A' UNLESS NOTED OTHERWISE.
3. SEE EXTERIOR ELEVATIONS FOR WINDOW TYPES
4. SEE SHEET A6.0 FOR DOOR SCHEDULE AND A6.1 FOR ROOM FINISH SCHEDULE.
5. SEE SITE PLAN FOR SIDEWALKS, RAMPS, ETC.
6. 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: FRANKE/S2K 1–800–423–5247 www.frankesupply.com email: fs–frankesupply.us@franke.com
7. MAXIMUM OCCUPANCY SIGN TO BE POSTED PER LOCAL CODE. SIGN FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
8. ALL HANDSINK LOCATIONS SHALL HAVE CEMENT BOARD BACKING 48" IN HEIGHT A.F.F.
9. GC TO COORDINATE ALL REQUIRED BLOCKING FOR WALL HUNG EQUIPMENT, SHELVES, ETC. FOR PROPER INSTALLATION HEIGHTS.
10. KNOX BOX TO BE INSTALLED PER LOCAL CODE AS REQUIRED. MODEL AND LOCATION TO BE COORDINATED WITH FIRE MARSHALL.
11. DASHED LINES @ DOORS, RESTROOMS, & FIXTURES REPRESENT CLEAR FLOOR MANEUVERING CLEARANCES AS REQUIRED BY THE ACCESSIBILITY CODE. CLEARANCES MUST BE MAINTAINED WITHOUT EXCEPTION. IF CONDITIONS PREVENT ANY CLEAR FLOOR SPACE FROM BEING MAINTAINED, CONTACT THE ARCHITECT FOR RESOLUTION.

REV	DATE	DESCRIPTION	BY
G	12/23/25	DECOR	AL
F	12/12/25	STRUCTURAL CLARIFICATION	AL
E	09/26/25	CITY CMNTS.	AL
D	08/04/25	CITY CMNTS.	AL
C	07/11/25	CITY CMNTS.	AL
.	02/26/25	PERMIT SET	AL
.	12/06/24	BID SET	AL

STATE OF MISSOURI — COREY ALLAN ENGLUND — NUMBER A-2023032688 — ARCHITECT

12/23/2025
Reprise Design, Inc.
Missouri Registered
Architectural Firm
2007030603

PREPARED BY: reprise DESIGN Architecture, Inc.
12400 Portland Avenue South
Burnsville, MN 55337
Office: (952) 252-4042
Fax: (952) 252-4043

PREPARED FOR: McDonald's USA, LLC

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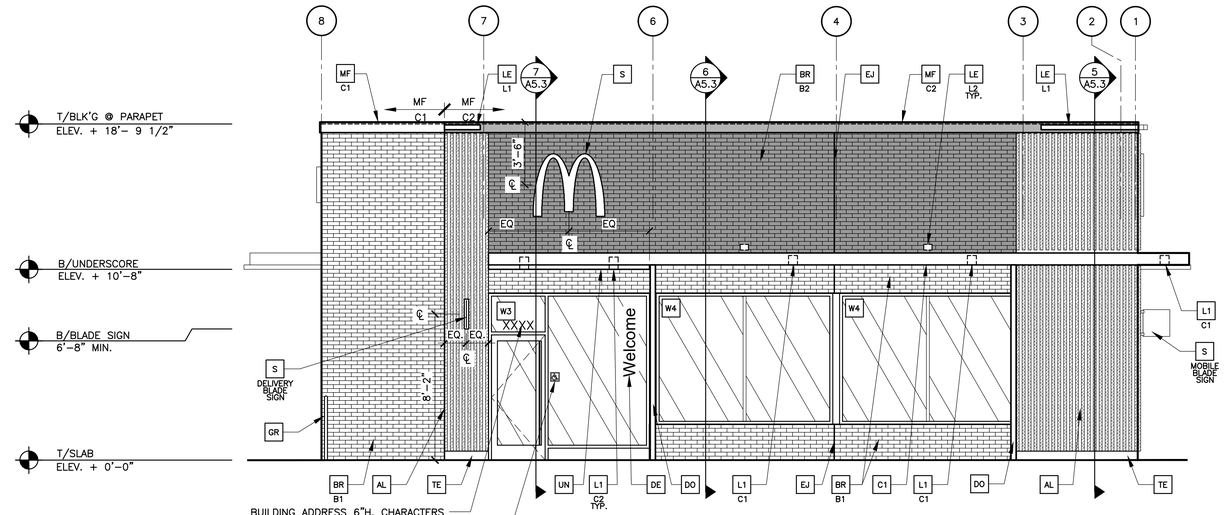
DRAWN BY AL | STD ISSUE DATE 2024 05 | REVIEWED BY KD | DATE ISSUED 02 26 2025 | RQ# 24247

TITLE: 2024 STANDARD BUILDING – BB20
4584–WOOD/WOOD

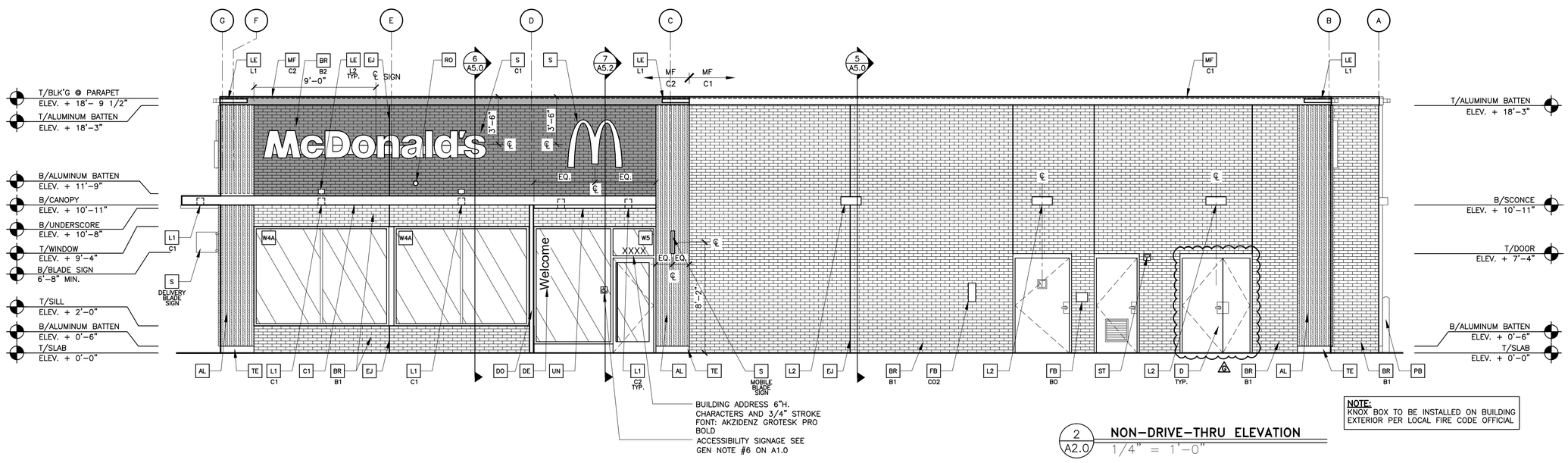
DESCRIPTION: WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI
WOOD TRUSS ROOF FRAMING
E.I.F.S./BATTEN/BRICK EXTERIOR FINISH

NSN:43016 | SITE ADDRESS: 8650 N. Indiana Avenue, Kansas City, MO 64156
L/C: 024–1306

SHEET NO. 024–1306.00.G
A1.0
FLOOR PLAN



1 A2.0 **FRONT ELEVATION**
1/4" = 1'–0"



2 A2.0 **NON–DRIVE–THRU ELEVATION**
1/4" = 1'–0"

NOTE:
KNOX BOX TO BE INSTALLED ON BUILDING EXTERIOR PER LOCAL FIRE CODE OFFICIAL

KEY NOTES:

AL ALUMINUM BATTEN SYSTEM
SIZE: 2"x2" PROFILE
COLOR: WOOD GRAIN, BACKRAIL UNFINISHED, ENDCAP PAINTED TO MATCH
SUBSTRATE: 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1, HDO BOTH FACES, APA TRADEMARKED.
COURSE GRIT SAND SURFACES PRIOR TO PRIMING. PRIME AND PAINT BOTH SIDES AND ALL EDGES PRIOR TO INSTALLATION.
SUBSTRATE COLOR: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS

BR MODULAR FACE BRICK
B1— COLOR:
B1 = "OLD BAILEY QUEEN" BY COLUMBUS BRICK COMPANY
B2 = "MEDIUM IRON SPOT 46" BY ENDICOT

C1 ALUMINUM CANOPY SYSTEM
COLOR: WHITE

C2 ALUMINUM CANOPY SYSTEM
COLOR: RAL 7022

D HOLLOW METAL DOOR
PAINT: MATCH "OLD BAILEY QUEEN" BRICK. CONFIRM COLOR WITH ACM

DE DECAL BY GRAPHICS SUPPLIER
SURFACE APPLIED, FIELD INSTALLED, PRE CUT, PRE SPACED.
SUPPLIERS:
VOMELA (865) 330–7337, ann.bowen@vomela.com
GFX INTERNATIONAL (847) 543–4600, mcdonaldsdecor@gfxi.com

DO DOWNSPOUT
3" DOWNSPOUT BY CANOPY SYSTEM MANUFACTURER, COLOR: RAL 7022
COORDINATE WITH CIVIL TO TIE INTO STORM DRAINAGE

EJ EXPANSION JOINT, SEE DETAIL 7/A4.1

FB
CO2— CO2 = BULK CO2 FILL BOX (EQPM SCHEDULE ITEM 49.00)
BO = BULK OIL FILL BOX (EQPM SCHEDULE ITEM 700.18)

GR GUARD RAIL –SEE SITE PLAN FOR EXACT LOCATION AND LENGTH
PAINT: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS

L1 RECESSED DOWN LIGHT FIXTURE – SEE ELECTRICAL
C1— COLOR:
C1= WHITE
C2= GOLD

L2 RADIAL SCONCE LIGHT FIXTURE – SEE ELECTRICAL
COLOR: PLATINUM SILVER

LE ACCENT LIGHTING – SEE ELECTRICAL
L1— LED LIGHT:
L1 = SLIM LED (DOWN ONLY)
L2 = UP ONLY FLOOD FIXTURE

MF PRE–FAB ANCHOR–TITE METAL FASCIA
C1— COLOR:
C1= WEATHERED ZINC
C2= RAL 7022

PB PIPE BOLLARD – PAINTED YELLOW

PT (RMHC) COIN COLLECTOR
MODEL: #WPT STD
CALL 1–888–743–7435 TO ORDER

RO ROOF DRAIN OVERFLOW PIPE PAINT TO MATCH SURROUNDING MATERIAL

S McDONALD'S SIGNAGE BY OTHERS – UNDER SEPARATE PERMIT.
C1— COLOR:
C1= WEATHERED ZINC RACEWAY
C2= RAL 7022 RACEWAY

ST CO2 STROBE/ALARM. SEE MECHANICAL DRAWINGS FOR SPECIFICATION.

TE TRU EXTERIOR 1"x6" TRIM, PAINTED ON SITE
COLOR: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS

UN METAL UNDERSCORE
COLOR: GOLD

W# EXTERIOR WINDOW ASSEMBLY – TEMPERED GLASS
COLOR: DARK BRONZE
SEE SHEET A6.0

W2 DRIVE–THRU WINDOW BY READY ACCESS
MODEL: 600 SERIES, 36" SERVICE HEIGHT WITH TRANSOM, MANUAL OPEN; ELECTRONIC RELEASE
XX— COLOR: DEEP BRONZE
SLIDE DIRECTION: RL = RIGHT TO LEFT
LR = LEFT TO RIGHT

REV	DATE	DESCRIPTION	BY
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F	12/12/25	STRUCTURAL CLARIFICATION	AL
E	09/26/25	CITY CMNTS.	AL
D	08/04/25	CITY CMNTS.	AL
C	07/11/25	CITY CMNTS.	AL
.	02/26/25	PERMIT SET	AL
.	12/06/24	BID SET	AL

STATE OF MISSOURI
COREY ALLAN ENGLUND
NUMBER A-2023032688
ARCHITECT
12/23/2025
Reprise Design, Inc.
Missouri Registered
Architectural Firm
2007030603

PREPARED BY:
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Architecture, Inc.
12400 Portland Avenue South
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Burnsville, MN 55337
Office: (952) 252-4042
Fax: (952) 252-4043

PREPARED FOR:
McDonald's USA, LLC

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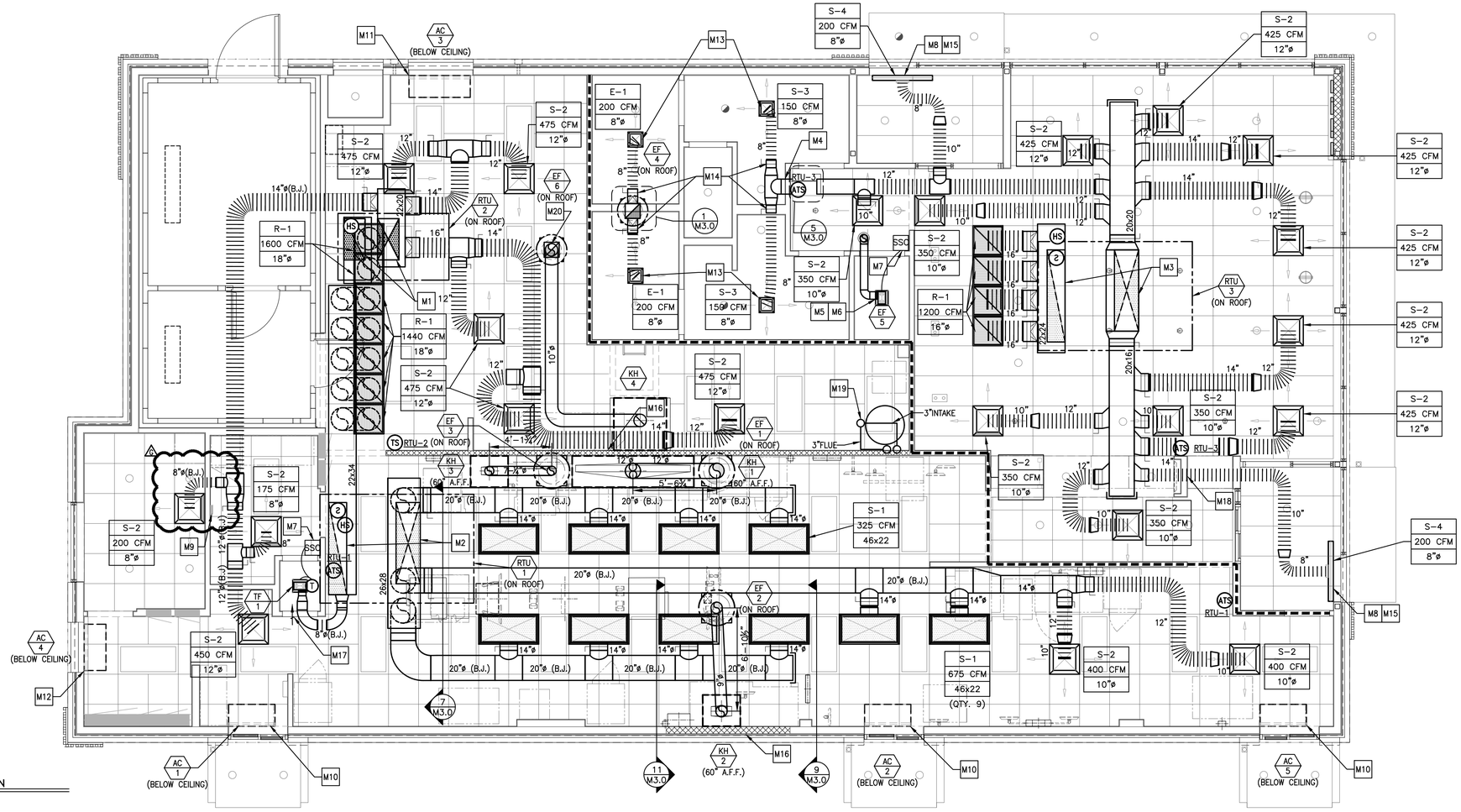
DRAWN BY AL
STD ISSUE DATE 2024 05
REVIEWED BY KD
DATE ISSUED 02 26 2025
RQ# 24247

TITLE
2024 STANDARD BUILDING – BB20
4584–WOOD/WOOD

DESCRIPTION
WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI
WOOD TRUSS ROOF FRAMING
E.I.F.S./BATTEN/BRICK EXTERIOR FINISH

NSN: 43016
SITE ADDRESS 8650 N. Indiana Avenue, Kansas City, MO 64156
L/C: 024–1306

SHEET NO.
024–1306.00.G
A2.0
ELEVATIONS



1 M1.2 DUCTWORK PLAN
1/4"=1'-0"

DRAWING NOTES

1. ALL DUCTWORK SHALL BE RUN BETWEEN OR THROUGH THE JOISTS UNLESS NOTED OTHERWISE. DUCTWORK DESIGNATED WITH (B.J.) SHALL BE RUN BELOW THE JOISTS.
2. DUCT SIZES SHOWN ARE INTERNAL FREE AREA DIMENSIONS UNLESS NOTED OTHERWISE.
3. ALL SHEET METAL DUCTWORK SHALL BE EXTERNALLY INSULATED. INSULATION IS NOT SHOWN FOR CLARITY. SEE MECHANICAL NOTES FOR INSULATION REQUIREMENTS.
4. CARBON STEEL KITCHEN EXHAUST DUCTWORK SHALL BE EXTERNALLY INSULATED. INSULATION NOT SHOWN FOR CLARITY. SEE MECHANICAL NOTES AND DETAILS FOR INSULATION REQUIREMENTS.
5. RETURN AIRFLOW VOLUME SHOWN ON PLAN IS FOR DUCTWORK SIZING PURPOSES WHEN THE UNIT IS IN RECIRCULATION (UNOCCUPIED) MODE.
6. DIFFUSERS IN DINING ROOM ARE SPECIFIC TO THE DECOR PLAN SHOWN. DIFFERENT CEILING LAYOUTS MAY REQUIRE A DIFFERENT DIFFUSER TYPES, QUANTITIES, LOCATIONS AND FINISHES/COLORS.
7. NO DIFFUSERS OR GRILLES TO BE INSTALLED ABOVE KIOSKS TO AVOID CONFLICTS WITH KIOSK'S CEILING PENETRATIONS FOR CONDUITS

KEYED NOTES

- M1 17x33 SUPPLY AND 17x33 RETURN DUCT DROPS FROM ROOFTOP UNIT (RTU-2)
- M2 19X65 SUPPLY AND 15X73.5 RETURN DUCT DROPS FROM ROOFTOP UNIT (RTU-1)
- M3 19X65 SUPPLY AND 15X73.5 RETURN DUCT DROPS FROM ROOFTOP UNIT (RTU-3)
- M4 PROVIDE SHEET METAL DUCT AT ALL DRAFTSTOP WALL PENETRATIONS (TYP.) (WHERE REQUIRED BY CODE.)
- M5 6"ø ALUMINUM DUCT FROM EXHAUST FAN UP THROUGH ROOF
- M6 EXTERNALLY INSULATE EXHAUST DUCT FROM FAN TO ROOF PENETRATION
- M7 STEADY STATE SPEED CONTROLLER FOR CEILING MOUNTED EXHAUST FAN. STEADY STATE SPEED CONTROLLER SHALL BE INSTALLED OVER SUSPENDED CEILING FOR ACCESS. DO NOT INSTALL OVER AREAS WITH DRYWALL CEILINGS.
- M8 SET DIFFUSER'S (S-4) OUTER SLOT FOR VERTICAL AIR THROW PATTERN AND INNER SLOT FOR HORIZONTAL THROW PATTERN (TYP.)
- M9 BUILDING AUTOMATION SYSTEM LOCATION. SEE LIGHTING CONTROL DETAILS ON SHEET E4.1.
- M10 MOUNT AIR CURTAIN TIGHT TO CEILING
- M11 MOUNT AIR CURTAIN WITH BOTTOM OF UNIT AT TOP OF DOOR FRAME
- M12 MOUNT AIR CURTAIN WITH BOTTOM OF UNIT ABOVE DOOR FRAME AND TOP OF SWITCHGEAR TO MEET 3'-0" MINIMUM SWITCHGEAR'S CLEARANCE REQUIREMENT
- M13 FOR DIFFUSERS INSTALLED IN DRYWALL CEILINGS, VOLUME DAMPER IS INTEGRAL TO DIFFUSER AND ADJUSTABLE AT FACE OF DIFFUSER (SEE NOTE 18 UNDER "VENTILATION SYSTEMS" ON DRAWING M4.0 AND AIR DEVICE SCHEDULE ON DRAWING M4.1)
- M14 FOR DIFFUSERS INSTALLED IN DRYWALL CEILINGS, INSTALL HIGH-EFFICIENCY TAKE-OFF'S WITH VOLUME DAMPER IN FULL-OPEN POSITION TO FACILITATE BALANCING AT FACE OF DIFFUSER.
- M15 GENERAL CONTRACTOR SHALL PROVIDE ADDITIONAL T-BAR FRAME TO PROPERLY LOCATE DIFFUSER AS SHOWN. AIR STREAM FROM DIFFUSER SHALL COVER ENTIRE DOOR OPENING.
- M16 NONCOMBUSTIBLE WALL CONSTRUCTION BEHIND TYPE I KITCHEN HOODS. REFER TO SHEET A1.0 FOR MORE INFORMATION.
- M17 ONE INCH DOOR UNDERCUT TRANSFER AIR TO CLOSET (100 CFM)
- M18 MECHANICAL CONTRACTOR TO PROVIDE 4x12 LOUVERED RETURN AIR BEHIND EACH RECESSED MENU BOARD. SEE ARCHITECTURAL PLANS, DETAIL 14/A3.1. AND AIR DEVICE SCHEDULE (R-2) ON SHEET M4.1.
- M19 PROVIDE AIR INTAKE AND FLUE EXHAUST PER MANUFACTURER'S INSTALLATION MANUAL. AIR INTAKE AND FLUE EXHAUST TO COMBINE WITH CONCENTRIC VENT KIT. REFER TO 6/P3.0 FOR FURTHER DETAILS.
- M20 10" TYPE 304 STAINLESS STEEL DUCT FROM TYPE II EXHAUST HOOD UP THROUGH ROOF TO EXHAUST FAN. DUCTWORK SHALL BE PITCHED TOWARDS TYPE II EXHAUST HOOD. EXTERNALLY INSULATE EXHAUST DUCT FROM TYPE II EXHAUST HOOD CONNECTION TO ROOF PENETRATION.

2012 IMC SECTION 403.3 - VENTILATION SCHEDULE

UNIT	AREA SERVED	AREA FT² (Az)	CFM/PERSON (Rp)	CFM/FT² (Ra)	PEOPLE OR PEOPLE/1000 FT² (Pz)	UNCORRECTED REQUIRED O/A CFM (Vbz)	Ez*	Ev**	REQUIRED O/A CFM (Vot)***	ACTUAL O/A CFM	REQUIRED EXHAUST CFM	ACTUAL EXHAUST CFM
RTU-1	PRESENTER	267	5	0.06	1	21	0.8	0.98				
	KITCHEN	732	7.5	0.18	13	-	0.8					
						250			255	1630		
RTU-2	SUPPORT	569	0	0.12	2	68	0.8	0.84	-	-		
	MANAGER'S OFFICE	59	5	0.06	0	4	0.8		-	-		
	CREW ROOM	96	5	0.06	0	6	0.8		-	-		
	ORDER	133	5	0.06	1	13	0.8		-	-		
						91			108	800		
RTU-3	DINING	872	7.5	0.18	54	562	0.8	0.91	-	-		
	VESTIBULE 1	62	0	0.06	0	4	0.8		-	-		
	VESTIBULE 2	61	0	0.06	0	4	0.8		-	-		
	WOMEN'S	136	0	0.06	0	8	0.8		-	-		
	MEN'S	121	0	0.06	0	7	0.8		-	-		
						585			643	1200		
EF-1, 2 & 3	KITCHEN	732	-	0.7	-	-	-	-	-	-	512	2405
EF-4	WOMEN'S	136	-	-	-	-	-	-	-	-	100	200
	MEN'S	121	-	-	-	-	-		-	-	100	200
EF-5	JANITOR'S	20	-	-	-	-	-				-	75
EF-6	WAREWASHER	-	-	-	-	-	-				400	600
											1112	3480

* Zone Air Distribution Effectiveness Based on ASHRAE 62.1 Table 6.2 for Ceiling Supply of Warm Air 15° F or More Above Space Temperature and Ceiling Return (IMC Table 403.3.1.2)

** Ventilation System Efficiency Based on ASHRAE 62.1 Table 6.3 and Section 6.2.5 (IMC Section 403.3.2.3 MZ)

*** Corrected Required O/A Intake Required for System Calculated Based on ASHRAE 62.1 Section 6.2 (IMC Section 403.3)

AIR BALANCE SCHEDULE

UNIT	SUPPLY AIR	RETURN AIR	OUTDOOR AIR	EXHAUST AIR	PRESSURE
RTU-1	7200	5570	1630		1630
RTU-2	3200	2400	800		800
RTU-3	5000	3800	1200		1200
EF-1				1350	-1350
EF-2				575	-575
EF-3				480	-480
EF-4				400	-400
EF-5				75	-75
EF-6				600	-600
TOTALS	15400	11770	3630	3480	150

NOTES:

1. BALANCING TOLERANCES ARE AS FOLLOWS:
   HOODS: 0% TO +10%
   OUTDOOR AIR: 0% TO +10%
   SUPPLY AND RETURN AIR DIFFUSERS: -10% TO +10%
   TOILET EXHAUST AIR: -10% TO +10%
2. BALANCE ROOFTOP UNIT SUPPLY AND RETURN AIR PRIOR TO TURNING ON EXHAUST FANS.
3. EXHAUST HOODS SHALL BE BALANCED WITH A 4" VANE ANEMOMETER.
4. RTU BLOWER TO RUN CONTINUOUSLY DURING OCCUPIED HOURS. REFER TO SEQUENCE OF OPERATIONS ON M1.0 AND E3.2 FOR HOOD/FAN INTERLOCK DETAILS.
5. EF-6 DOES NOT RUN CONTINUOUSLY - VALUES SHOWN IN AIR BALANCE SCHEDULE REFLECT OPERATIONAL STATE. WHEN EF-6 IS NOT OPERATIONAL, RTU-2 SHALL BE DECREASED BY 600 CFM ACCORDINGLY. REFER TO M1.0 FOR ADDITIONAL DETAILS OF SEQUENCE OF OPERATIONS AND INTERLOCKING REQUIREMENTS.

HEATING SCHEDULE

EQUIPMENT	INPUT (BTU/HR)	OUTPUT (BTU/HR)	REQUIRED HEAT (BTU/HR)
ROOFTOP UNIT (RTU-1)	250,000	202,500	134,219
ROOFTOP UNIT (RTU-2)	120,000	97,200	70,401
ROOFTOP UNIT (RTU-3)	250,000	202,500	121,410
TOTALS	620,000	502,200	326,030

REV	DATE	DESCRIPTION	BY
G	12/23/25	DECOR	WLW
D	08/04/25	CITY CMMTS.	WLW
C	07/11/25	CITY CMMTS.	WLW
B	05/20/25	CITY CMMTS.	WLW
A	03/21/25	CITY CMMTS.	WLW
	02/26/25	PERMIT SET	WLW
	12/06/24	BID SET	WLW

emanuelson-podas
consulting engineers
Emanuelson-Podas, Inc.
7705 Bush Lake Road
Edina, MN 55439
(952) 930-0050 | www.epinc.com

3801.0075

STATE OF MISSOURI
MICHAEL WEBERT
NUMBER PE-2004000077
PROFESSIONAL ENGINEER

PREPARED BY: 12/23/25

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PREPARED FOR: McDonald's USA, LLC

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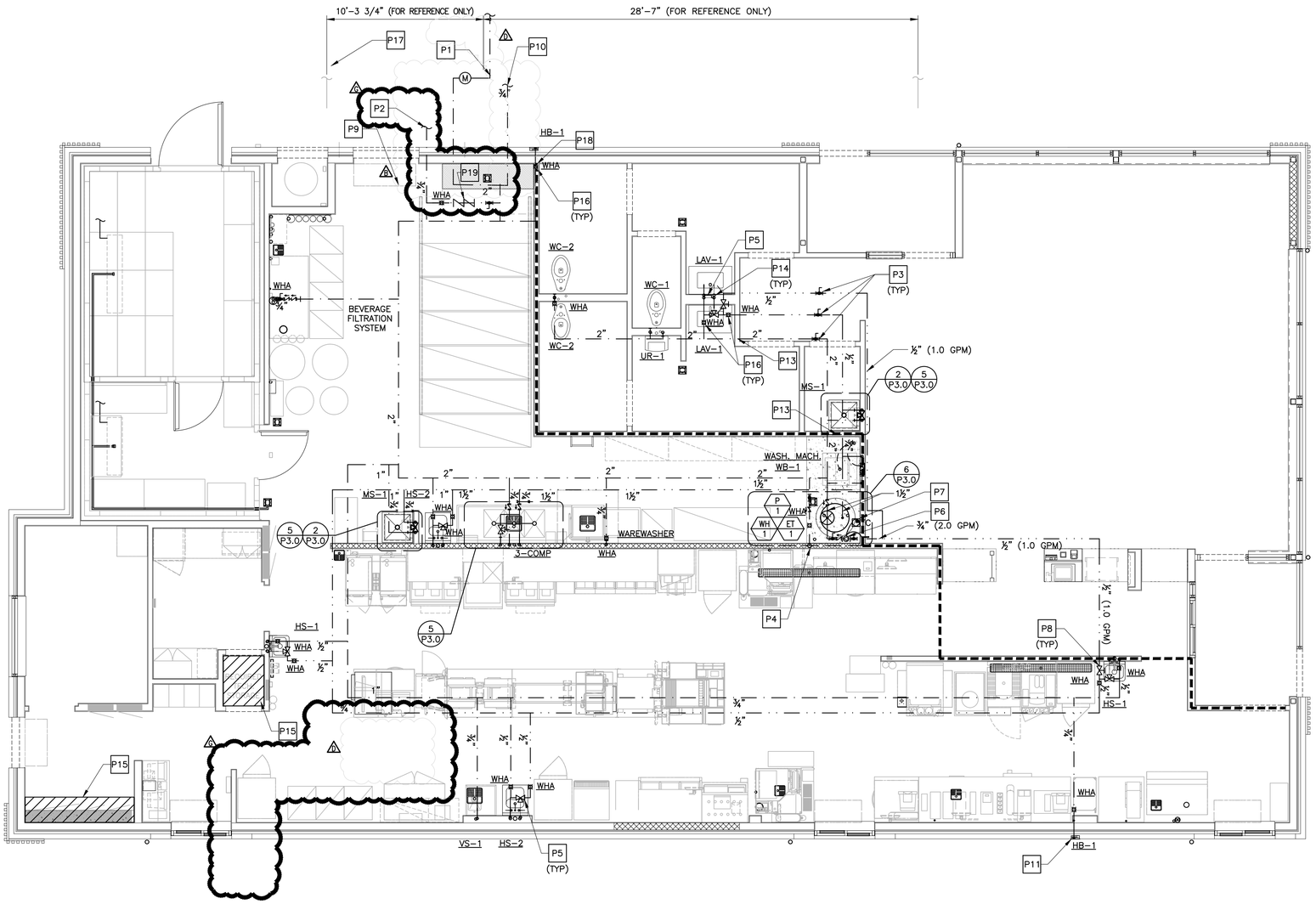
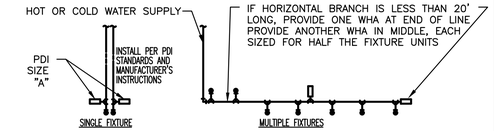
DRAWN BY: DMS/HB
STD ISSUE DATE: 2024 05
REVIEWED BY: WLW
DATE ISSUED: 02 26 2025
Rdg# 24247

TITLE: 2024 STANDARD BUILDING - BB20
4584-WOOD/WOOD

DESCRIPTION: WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI WOOD TRUSS ROOF FRAMING
E.I.F.S./PATTEN/BRICK EXTERIOR FINISH
NSN: 43016 SITE ADDRESS: 8650 N. Indiana Avenue, Kansas City, MO 64156
L/C: 024-1306 024-1306.00.G

SHEET NO. M1.2
DUCTWORK PLAN





PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32

FIXTURE	COLD	HOT
VALVE WATER CLOSET	10	--
TANK WATER CLOSET	5	--
URINAL	5	--
LAVATORY/SINK	1.5	1.5
JANITOR'S SINK	3	3
HOSE BIBB	2	--
SODA FACTORY	10	--
WAREWASHER	4	--

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.

DETAIL 2/P1.0
WATER-HAMMER ARRESTER (TYP.)
NOT TO SCALE

1/P1.0 DOMESTIC WATER PIPING PLAN
1/4"=1'-0"

DRAWING NOTES

1. PIPING ROUTES AS SHOWN ARE GENERAL AND MAY VARY DUE TO FIELD CONDITIONS. COORDINATE ALL PIPE ROUTES WITH OTHER TRADES. MAKE SURE HOT WATER MAIN LOOP REMAINS WITHIN 10 FT OF FIXTURE FOR ENERGY CODE PURPOSE.
2. ALL WATER DISTRIBUTION PIPING SHALL BE INSULATED. INSULATION NOT SHOWN FOR CLARITY. SEE PLUMBING NOTES FOR INSULATION REQUIREMENTS, SHEET M4.0, "DOMESTIC SUPPLY SYSTEMS", NOTE 18.
3. ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.

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. SCALES AS STATED ARE VALID ON THE ORIGINAL DRAWING ONLY. CONTRACTORS SHALL NOT SCALE OFF OF ANYDRAWING. IF DIMENSION IS NOT PROVIDED AND IS REQUIRED CONTACT ARCHITECT TO HAVE THE DIMENSION CONFIRMED

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.

KEYED NOTES

- P1 INCOMING UNDERGROUND WATER SERVICE (SEE SITE PLAN FOR CONTINUATION). WATER PIPING FROM THIS POINT TO CEILING PENETRATION INSIDE BUILDING SHALL BE COPPER.
- P2 COLD WATER UNDERGROUND TO YARD HYDRANT (HB-2) IN TRASH CORRAL. SEE SITE PLAN FOR CONTINUATION.
- P3 SHUT-OFF VALVE FOR RESTROOM AND HOSE BIBB ISOLATION. SEE VALVE SCHEDULE. ALL SHUT-OFF VALVES SHALL BE LOCATED OVER SUSPENDED CEILINGS FOR ACCESSIBILITY. DO NOT LOCATE IN AREAS WITH DRYWALL CEILINGS.
- P4 ¾" COLD WATER UP TO ROOF HYDRANT.
- P5 FOR MIXING VALVE LOCATIONS AND INSTALLATION DETAILS ON PUBLIC LAVATORIES, SEE DETAIL 3 ON DRAWING P3.0. FOR PRIVATE HAND SINKS OR LAVS, MIXING VALVES FOR INFORMATIONAL PURPOSES.
- P6 PIPE-MOUNTED AQUASTAT TO SHUT PUMP DOWN WHEN RECIRULATION TEMPERATURE REACHES 140°F. SEE DETAIL 6 ON DRAWING P3.0.
- P7 TIME CLOCK TO SHUT PUMP AND WATER HEATER DOWN DURING UNOCCUPIED HOURS. SEE ELECTRICAL DRAWINGS FOR WIRING DETAIL.
- P8 BALANCING VALVE FOR RECIRCULATION SYSTEM. SEE VALVE SCHEDULE. ALL BALANCING VALVES SHALL BE LOCATED OVER SUSPENDED CEILINGS FOR ACCESSIBILITY. DO NOT LOCATE IN AREAS WITH DRYWALL CEILINGS.
- P9 WATER PIPING AFTER CEILING PENETRATION CAN TRANSITION TO CPVC WHERE PERMITTED BY CODE.
- P10 VERIFY IRRIGATION SYSTEM, PROVIDE WATER LINE TO EXTERIOR IRRIGATION PIT WITH BACKFLOW PREVENTER, VERIFY EXACT LOCATION WITH CIVIL. 1" SEWER DEDUCT METER AND BACKFLOW ASSEMBLY. REFER TO BFP SCHEDULE FOR COORDINATION.
- P11 PROVIDE FREEZE PROOF HYDRANT.
- P12 NOT USED.
- P13 PROPERLY SEAL ALL PIPE PENETRATIONS THROUGH ANY FIRE WALL (TYP.) AND DRAFT STOP WALL (TYP.)
- P14 HOT WATER RECIRCULATION SHALL CONNECT WITHIN 6" OF SUPPLY STUB OUT TO FIXTURE.
- P15 UTILITIES SHALL NOT BE ROUTED ABOVE THE TECH. CLOSET AND THE SWITCHGEAR.
- P16 INSTALL WATER-HAMMER ARRESTOR WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER-HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. WATER-HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
- P17 MAINTAIN A MINIMUM OF 10'-0" CLEARANCE FROM THE INCOMING DOMESTIC WATER TO THE GREASE WASTE AND SANITARY LINES.
- P18 COORDINATE WITH GC FOR LOCATION OF WATER PIPE IN WALL TO NOT INTERFERE WITH CHANGING TABLE.
- P19 PROVIDE DOUBLE CHECK BACKFLOW PREVENTOR.

SUPPLY PIPE SIZING - UPC

Fixture Type	SIZE	SUPPLY HW	SUPPLY CW	QUANTITY	TOTAL
URINAL	1 IN.	0	20	1	20
WATER CLOSET	1 IN.	0	110	3	110
LAVATORY SINK	1/2 IN.	1	1	2	4
WASH SINK (HAND SINK)	1/2 IN.	2	2	4	16
MOP SINK	3/4 IN.	3	3	2	12
VEGETABLE SINK	3/4 IN.	3	3	1	6
3-COMPARTMENT SINK	3/4 IN.	3	3	1	6
WASHING MACHINE	3/4 IN.	4	4	1	8
WAREWASHER	3/4 IN.	-	1.5	1	1.5
HOSE BIB	3/4 IN.	0	2.5	3	7.5
LAWN SPRINKLER	1/2 IN.	0	1	1	1
WATER FILTATION SYSTEM	3/4 IN.	0	4	1	4
				TOTAL	196

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

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

REV	DATE	DESCRIPTION	BY
G	12/23/25	DECOR	WLW
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B	05/20/25	CITY CMNTS.	WLW
A	03/21/25	CITY CMNTS.	WLW
	02/26/25	PERMIT SET	WLW
.	12/06/24	BID SET	WLW

PREPARED BY:
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7705 Bush Lake Road
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3801.0075

STATE OF MISSOURI — MICHAEL WEBERT — NUMBER PE-2004000077 — PROFESSIONAL ENGINEER

12/23/25

PREPARED FOR:
McDonald's USA, LLC

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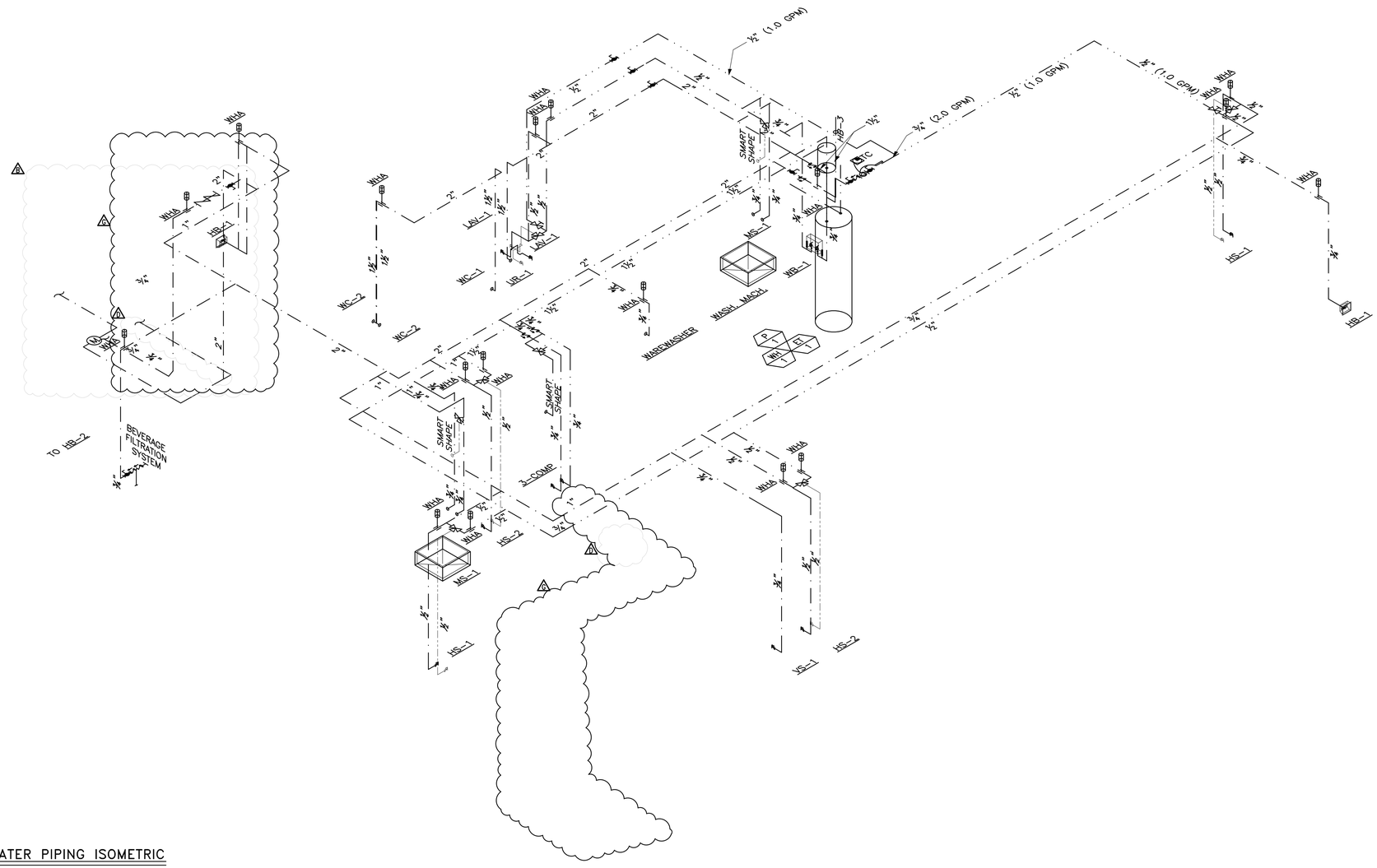
DRAWN BY: DMS/HB
STD ISSUE DATE: 2024 05
REVIEWED BY: WLW
DATE ISSUED: 02 26 2025
Rdg# 24247

TITLE: 2024 STANDARD BUILDING – BB20
4584-WOOD/WOOD

DESCRIPTION
WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI
WOOD TRUSS ROOF FRAMING
E.I.F.S./PATTEN/BRICK EXTERIOR FINISH

NSN: 43016
L/C: 024-1306
SITE ADDRESS: 8650 N. Indiana Avenue, Kansas City, MO 64156

SHEET NO. 024-1306.00.G
P1.0
DOMESTIC WATER PIPING PLAN



1 P2.0 DOMESTIC WATER PIPING ISOMETRIC
NO SCALE

REV	DATE	DESCRIPTION	BY
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.	02/26/25	PERMIT SET	WLW
.	12/06/24	BID SET	WLW

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STATE OF MISSOURI
MICHAEL WEBERT
NUMBER PE-2004000077
PROFESSIONAL ENGINEER

PREPARED BY: 12/23/25

PREPARED FOR: McDonald's USA, LLC

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STD ISSUE DATE 2024 05
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DATE ISSUED 02 26 2025
Roll 24247

TITLE
2024 STANDARD BUILDING – BB20
4584–WOOD/WOOD

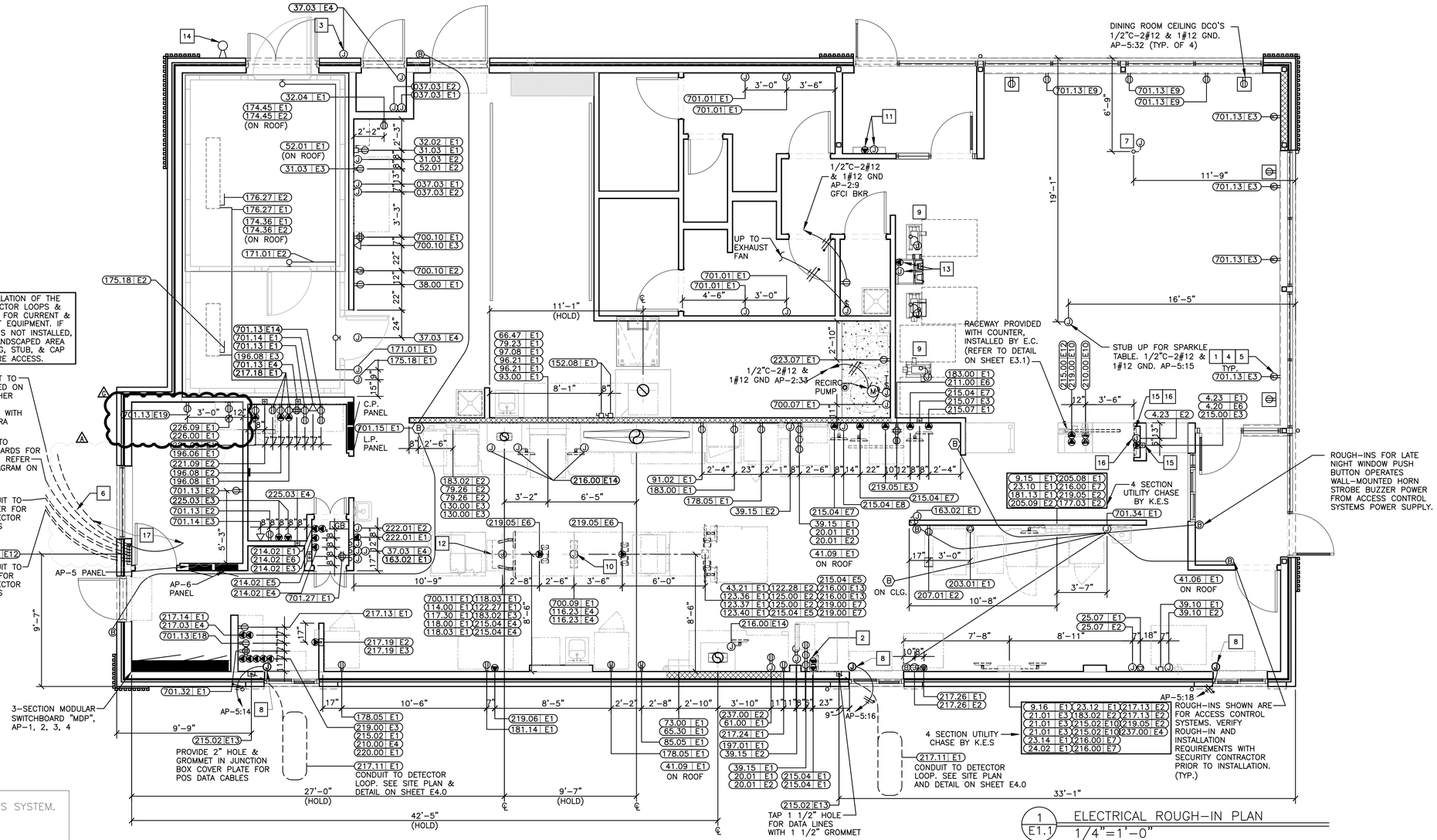
DESCRIPTION
WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI
WOOD TRUSS ROOF FRAMING
E.I.F.S./BATTEN/BRICK EXTERIOR FINISH

NSN: 4.3016
SITE ADDRESS 8650 N. Indiana Avenue, Kansas City, MO 64155
L/C: 024–1306

024–1306.00.G

SHEET NO. P2.0
DOMESTIC WATER ISOMETRIC

TRASH CORRAL POWER:
3/4"C–4#10 & 1#10 GND TO A 30A–2P AND A 20A–1P CB IN PANEL AP–2 FOR TRASH COMPACTOR AND WP GFCI DCO. PROVIDE 30A–2P NF DISCONNECT FOR TRASH COMPACTOR. VERIFY EXACT LOCATION AND ALL REQUIREMENTS OF TRASH CORRAL IN FIELD.



1 / E1.1 ELECTRICAL ROUGH–IN PLAN
1/4"=1'–0"

THE LATE NIGHT WINDOW AND DOOR ACCESS SYSTEM.
3 EACH PUSH BUTTON 621–BK–DA HDP 626 SCHLAGE
1 EACH PUSH BUTTON 621–RD–DA HDP 626 SCHLAGE
1 EACH HORN WITH STROBE 1910S SCHLAGE
REFER TO ARCH DOOR SCHEDULE FOR MORE INFORMATION

SYMBOLS AND ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
$	SINGLE POLE SWITCH, 3W=THREE WAY SWITCH, K=KEYED SWITCHED, VS=VACANCY SENSOR	(B)	BUZZER
$T	MANUAL SWITCH (T=THERMAL OVERLOADS)	(B)	BUTTON FOR BUZZER
[T]	TRANSFORMER		PULLBOX
	JB WITH DUPLEX CONVENIENCE OUTLET (FLUSH WITH CEILING)		PANELBOARD
	JB WITH SINGLE CONVENIENCE OUTLET		CIRCUIT BREAKER
	JB WITH DUPLEX CONVENIENCE OUTLET	A	AMPERES
	JB WITH TWO DUPLEX CONVENIENCE OUTLETS	ACM	AREA CONSTRUCTION MANAGER
	JB WITH SPECIAL PURPOSE OUTLET	AFF	ABOVE FINISHED FLOOR
	JB WITH ISOLATED GROUND OUTLET =IG4700A, =IG5262 = IG4710, =IG5261,	C	CONDUIT
		CCT	CIRCUIT
	INTERCOM STATION W/ 3/4"C– TO MAIN STATION	EC	ELECTRICAL CONTRACTOR
	TELEPHONE JACK	GC	GENERAL CONTRACTOR
(J)	JUNCTION BOX – WALL OR CEILING MOUNTED	GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	DISCONNECT SWITCH	GND	GROUND
(S)	STUB UP THRU ROOF	IG	ISOLATED GROUND
(T)	THERMOSTAT SENSOR W/ 1/2"C– UP TO CEILING SPACE	JB	JUNCTION BOX
(M)	MOTOR CONNECTION	KES	KITCHEN EQUIPMENT SUPPLIER
	CONDUIT RUN CONCEALED IN CEILING OR WALLS	MLO	MAIN LUGS ONLY
	CONDUIT RUN IN FLOOR SLAB	WP	WEATHERPROOF
	HOT (SHORT), NEUTRAL (LONG), EQUIP GRD (LONG WITH DOT), & 'X' DENOTES ISOLATED GRD	(CO)	CARBON MONOXIDE SENSOR
	J–BOX WITH FINAL EQUIPMENT CONNECTION	GB	GROUND BUS TERMINAL
(OS)	CEILING MOUNTED OCCUPANCY SENSOR	(DS)	DAYLIGHT SENSOR

ADT ROUGH–IN NOTES

1. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH ADT PRIOR TO INSTALLATION TEL. 800–417–8238
2. EC SHALL PROVIDE A 2 GANG 3 23/32" X 3 23/32" X 3 1/2"D JUNCTION BOX AT DOOR FOR INSTALLATION OF DOOR ALARM UNIT. STUB 1/2"C ABOVE CEILING FROM JUNCTION BOX. PROVIDE 1/2"C FROM J–BOX TO DOOR MAGNETIC SWITCH LOCATION.
3. EC SHALL PROVIDE 4" X 4" JUNCTION BOX ABOVE CEILING FOR INSTALLATION OF LOW VOLTAGE TRANSFORMER. VERIFY EXACT LOCATION WITH ADT PRIOR TO INSTALLATION. PROVIDE 1/2"C–2#12 TO LOCKOUT TYPE CB IN PANEL LP–1.

GENERAL NOTES

1. SEE SHEET E3.0 FOR PANEL & CIRCUIT BREAKER ASSIGNMENT, VOLT/PH, FLA, BREAKER SIZE, COND/WIRE, RECEPTACLE TYPE, HEIGHT ABOVE FINISHED FLOOR, REQUIREMENTS & REMARKS FOR ALL ELECTRICAL EQUIPMENT.
2. SEE LOW VOLTAGE CABLE MANAGEMENT SPECIFICATION ON SHEET E1.0 FOR POS, DATA, AND SOUND SYSTEM REQUIREMENTS.
3. GC/EC SHALL COORDINATE LOCATION AND ALL REQUIREMENTS OF CT& METER CABINET WITH LOCAL UTILITY COMPANY. CT & METER CABINET SHALL NOT BE INSTALLED ON D/T SIDE OF BUILDING. GC SHALL PAINT TO MATCH BUILDING COLOR.

KEY NOTES

1. TAMPER RESISTANT GFCI DUPLEX RECEPTACLE IN PUBLIC AREAS. EC SHALL PROVIDE HUBBELL GFTRST* ("*": AL=ALMOND, BK=BLACK, –=BROWN, GY=GRAY, I=IVORY, LA=LIGHT ALMOND, R=RED, W=WHITE). SPECIFIED RECEPTACLE BECOMES DE–ENERGIZED UPON FAILURE OF GFCI DEVICE. NO SUBSTITUTIONS.(TYPICAL)
2. SEE POS ELECTRICAL RISER DIAGRAM ON SHEET E1.0. (TYPICAL)

KEY NOTES

3. EC TO FURNISH AND INSTALL A FLUSH MOUNTED JUNCTION BOX WITH WEATHERPROOF GASKET AND OUTDOOR WEATHERPROOF, 24 VOLT CO2 HORN/STROBE UNIT COMPATIBLE WITH CO2 ALARM SYSTEM – EDWARDS GENESIS WGAVRN OR APPROVED EQUAL. STROBE SHALL HAVE AN AMBER COVER AND MEET ALL LOCAL REGULATORY REQUIREMENTS FOR SPECIFICATIONS AND INSTALLATION. PROVIDE A 3/4" CONDUIT STUB–IN INTO BUILDING WITH THERMOPLASTIC BUSHING FROM WEATHERPROOF BACKBOX. PROVIDE FINAL WIRING TERMINATIONS AT HORN/STROBE UNIT AND THEN PROVIDE 36 INCHES OF PIGTAIL WIRING FROM HORN/STROBE INTO THE BUILDING AND NEATLY COIL FOR FINAL CONNECTION. FINAL WIRING CONNECTION FROM OUTDOOR HORN/STROBE PIGTAILS TO THE CO2 ALARM SYSTEM INSTALLATION TO BE PROVIDED BY BEVERAGE INSTALLER.
4. PER THE AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), A MINIMUM OF ONE (1) ADA COMPLIANT ELECTRICAL RECEPTACLE SHALL BE INSTALLED AT AN ACCESSIBLE TABLE. GC/EC SHALL REFERENCE FINAL DECOR PLANS AND PROVIDE RECEPTACLES AS NECESSARY FOR COMPLIANCE. (TYPICAL)
5. COORDINATE LOCATION OF RECEPTACLES SO THAT RECEPTACLES ARE LOCATED ON FULL HEIGHT WALLS PER THE DECOR PLAN. STUB UP AND CIRCUIT IN HALF WALL FOR RECEPTACLES NOT ON FULL HEIGHT WALLS, CONFIRM FINAL LOCATIONS WITH DECOR DRAWINGS PRIOR TO ROUGH–IN.
6. IF MOUNTED TO A LIGHTING POLE, DT CAMERA SHALL ONLY BE INSTALLED ON A POLE WITH MAXIMUM OF (2) LIGHTING HEADS. PROVIDE ISOLATION OF DT CAMERA MOUNTING HARDWARE AND POLE TO PREVENT BI–METALLIC OR GALVANIC CORROSION.
7. E.C. TO PROVIDE AN ALLOWANCE IN BID TO PROVIDE TWO(2) FLEXIBLE POWER CONNECTIONS FOR POWER TO FURNITURE/ FAMILY EXPERIENCE ELEMENTS AS PART OF THE DECOR PACKAGE. E.C. SHALL VERIFY EXACT LOCATIONS IN FIELD AND WITH DECOR DRAWINGS. PROVIDE ALL NECESSARY MATERIALS AND LABOR FOR A COMPLETE AND FULLY NEC CODE COMPLIANT INSTALLATION. ALL COMPONENTS SHALL BE FED FROM A GFCI TYPE CIRCUIT BREAKER AND BRANCH CIRCUIT SHALL CONTAIN TWO PATHS OF GROUNDING (CONDUIT BODY AND AN INSULATED GROUNDING CONDUCTOR) TO COMPLY WITH McDONALD'S GROUNDING STANDARDS.
8. DRIVE THRU WINDOW POWER, CONFIRM REQUIREMENTS WITH MANUFACTURER DRAWINGS.
9. PROVIDE POWER FOR CONNECTION TO SELF ORDER KIOSKS. COORDINATE EXACT LOCATION OF KIOSKS WITH DECOR DRAWINGS. PROVIDE 2#12, 1#12 GRD., & 1#12 ISOLATED GROUND ON A 20A DEDICATED CIRCUIT FED FROM THE CP PANEL FOR EVERY KIOSK.
10. VERIFY DROP CORDS AND RECEPTACLES DO NOT FALL BELOW HEIGHTS LISTED ON E3.0 ELECTRICAL SCHEDULE. RECEPTACLES SHOULD BE LOCATED AT HEIGHTS TO AVOID CONTACT WITH HOT APPLIANCES.
11. PROVIDE POWER AND DATA ROUGH–INS FOR DIGITAL MERCHANDISER. EXTEND CIRCUIT TO THIS LOCATION FROM FRONT COUNTER MERCHANDISER IN SERVICE AREA. EXTEND J–HOOKS FROM SERVICE AREA FOR DATA CABLES. REFER TO 3/E3.1.
12. EC TO INSTALL DROP CORDS JUSTIFIED TO THE DRIVE THRU SIDE OF THE BUILDING
13. PROVIDE POWER AND DATA ROUGH–INS FOR CASH HANDLERS REFER TO 4/E3.1 FOR MORE INFORMATION. COORDINATE EXACT LOCATION WITH DECOR DRAWINGS.
14. AT&T TO PROVIDE #8 GRD CONDUCTOR FROM BUILDING EXTERIOR WIRELESS ACCESS POINT TO ABOVE INTERIOR CEILING. EC TO EXEND CONDUCTOR TO BUILDING GROUNDING SYSTEM. COORDINATE EXACT LOCATION OF ACCESS POINT IN FIELD WITH AT&T.
15. CONTRACTOR TO PUNCH HOLES IN SERVICE POD FOR CABLE AND CONDUIT ROUTING. UTILIZE BUSHINGS PROVIDE WITH SERVICE POD TO PROTECT CABLES
16. REFER TO DETAIL ON A3.1 FOR DIMENSIONS OF DIGITAL MERCHANDISER ROUGH–INS.
17. PROVIDE 2" CONDUITS WITH CAPPED ENDS RUN ONE TO ATTIC SPACE AND ONE TO LAST PARKING SPACE. LABEL CONDUITS FOR FUTURE ELECTRIC VEHICLE CHARGING.

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STATE OF MISSOURI — MATTHEW FULTS — NUMBER PE-2004008366 — PROFESSIONAL ENGINEER
12/23/25

PREPARED BY:

PREPARED FOR: McDonald's USA, LLC

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DRAWN BY: MJW
STD ISSUE DATE: 2024 05
REVIEWED BY: WLW
DATE ISSUED: 02 26 2025
RQ# 24247

TITLE: 2024 STANDARD BUILDING – BB20
4584–WOOD/WOOD

DESCRIPTION	
WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI	
WOOD TRUSS ROOF FRAMING	
E.I.F.S./BATTEN/BRICK EXTERIOR FINISH	
MSN:4.3016	SITE ADDRESS: 8850 N. Indiana Avenue, Kansas City, MO 64156
L/C:024–1306	

SHEET NO. 024–1306.00.G
E1.1
ROUGH–IN PLAN

PB = Pullbox
JB = Junction Box
EC = Electrical Contractor
VIF = Verify in Field

ELECTRICAL SCHEDULE

TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS
004.20E6	1	DIGITAL MERCHANDISER	120/1 ISOLATED	2.6	20A	1/2"C–2#12IG	CP:6	IG5262	6'–5"	–
004.23E1	1	DIGITAL MERCHANDISER – MEDIA PLAYER	120/1 ISOLATED	1.0	20A	1/2"C–2#12IG	CP:6	IG5262	6'–5"	USE SAME RECEPTACLE AS 4.20E6
004.23E2	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
009.15E1	1	UTILITY CHASE – FFDT INTERIOR WALL	–	–	–	–	–	–	SEE RMKS	UTILITY CHASE AND RECEPTACLES PROVIDED BY K.E.S.
009.16E1	1	UTILITY CHASE – FFDT EXTERIOR WALL	–	–	–	–	–	–	SEE RMKS	UTILITY CHASE AND RECEPTACLES PROVIDED BY K.E.S.
020.01E1	2	AUTOMATED BEVERAGE SYSTEM 2.0	120/1	5.0	20A	1/2"C–2#12	AP–1:12, AP–2:24	5–20R	2'–0"	–
020.01E2	2	AUTOMATED BEVERAGE SYSTEM 2.0	120/1	14.9	20A	1/2"C–2#12	AP–1:6, AP–2:26	5–20R	3'–10"	FOR PRE–COOLER
021.01E3	3	COFFEE BREWER (THERMAL POTS)	120–208/1	15.5	20A	1/2"C–3#12	AP–1:(2,4)(14,16), AP–6:(11,13)	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO L14–20R RECEPTACLE IN CHASE
023.10E1	1	ESPRESSO BREWER	208/1	21.6	30A	1/2"C–2#10	AP–1:(19,21)	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO L6–30R RECEPTACLE IN CHASE
023.12E1	1	COFFEE CREAM DISPENSER	120/1	1.0	20A	1/2"C–2#12	AP–1:8	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5–20R RECEPTACLE IN CHASE
023.14E1	1	SUGAR/SWEETENER DISPENSER	120/1	1.5	20A	1/2"C–2#12	AP–1:8	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5–20R RECEPTACLE IN CHASE
024.02E1	1	JUICE DISPENSER	120/1	4.5	20A	1/2"C–2#12	AP–1:8	5–20R	SEE RMKS	EC TO EXTEND CIRCUIT TO 5–20R RECEPTACLE IN CHASE
025.07E1	1	INFUSION TEA BREWER – MIS	120–208/1	13.0	20A	1/2"C–3#12	AP–2:(32,34)	L14–20R	2'–3"	–
025.07E2	1	INFUSION TEA BREWER – MIS	–	–	–	–	–	JB	2'–3"	FOR WATER LINE TO ICED TEA BREWER IF CHASE IS NOT SPECIFIED. (SEE P1.6)
031.03E1	1	SODA SYSTEM PACKAGE – B.I.B. (RECIRCULATING– 3 TOWERS)	208/3	26.0	30A	3/4"C–3#10	AP–2:(37,39,41)	SEE RMKS	3'–0" SEE RMKS	EC SUPPLIES 30A–3P NF DISC SW MTD 9" BELOW CEILING PER NEC SECT. 404.8(A)
031.03E2	1	SODA SYSTEM PACKAGE – B.I.B. (RECIRCULATING– 3 TOWERS)	–	–	–	–	–	JB	4'–0"	FOR CONTROL WIRES FROM REMOTE CONDENSING UNIT
031.03E3	1	SODA SYSTEM PACKAGE – B.I.B. (RECIRCULATING– 3 TOWERS)	120/1	(2) 6.8	20A	1/2"C–2#12	AP–2:35	5–20R	6'–6"	FOR WATER BOOSTER SYSTEM AND OPTIONAL AIR COMPRESSOR
032.02E1	1	REVERSE OSMOSIS WATER FILTRATION SYSTEM – TANKLESS	120/1	4.0	20A	1/2"C–2#12 EA.	AP–2:23	5–20R	6'–0"	–
032.04E1	1	WATER FILTRATION SYSTEM	120/1	0.08	20A	1/2"C–2#12 EA.	AP–2:23	5–20R	6'–0"	–
037.03E1	2	CO2 SAFETY SYSTEM – DETECTOR	120/1	1.0	20A	1/2"C–2#12	AP–1:10	JB	SEE RMKS	PROVIDE LOCKOUT CB. SEE MECHANICAL DRAWINGS
037.03E2	2	CO2 SAFETY SYSTEM	–	–	–	–	–	JB	SEE RMKS	FOR LV WIRES. STUB 3/4"C. ABV. CLG. SEE MECHANICAL DRAWINGS
037.03E4	4	CO2 SAFETY SYSTEM – CO2 DETECTOR AV ALARM	–	–	–	–	–	JB	7'–0" MINIMUM	STUB 3/4"C. ABOVE CLG. FOR LV COND. TO 037.03E2. SEE MECHANICAL DRAWINGS
038.00E1	1	CLEAN IN PLACE PANEL	120/1	1.0	20A	1/2"C–2#12	AP–2:21	5–20R	5'–6"	–
039.10E1	1	ICE MACHINE – 1400 LB.	208/3	13.4	20A	1/2"C–3#12	AP–2:(1,3,5)	SEE RMKS	SEE RMKS	EC SUPPLIES 30A–3P NF DISC SW MTD9"BELOW CEILING PER NEC 404.8(A) EX.2 VERIFY W/ AHJ
039.10E2	1	ICE MACHINE – 1400 LB.	–	–	–	–	–	JB	4'–6" SEE RMKS	CONTROL WIRES TO REMOTE CONDENSER
039.15E1	2	ICE MACHINE – 1000 LB.	120/1	1.1	15A	1/2"C–2#12	AP–1:37,39	5–20R	SEE RMKS	MOUNT 9" BELOW CEILING – CIRCUIT BREAKERS SHALL BE HACR TYPE
039.15E2	2	ICE MACHINE – 1000 LB.	–	–	–	1/2"C	–	JB	SEE RMKS	MOUNT 9" BELOW CEILING – CONTROL WIRES TO REMOTE CONDENSER
041.06E1	1	ICE MACHINE REMOTE CONDENSER – 1400 LB.	208/1	1.0	20A SEE RMKS	1/2"C–3#12	AP–1:(26,28)	SEE RMKS	SEE RMKS	EC TO PROVIDE WP 30A–2P NF DISC AT UNIT ON ROOF – CIRCUIT BREAKERS SHALL BE HACR TYPE
041.09E1	2	ICE MACHINE REMOTE CONDENSER – 1000 LB.	208/3	11.1	15A SEE RMKS	1/2"C–3#12 SEE RMKS	AP–1:(32,34,36)(38,40,42)	SEE RMKS	SEE RMKS	EC TO PROVIDE WP 30A–3P NF DISC AT UNIT ON ROOF – CIRCUIT BREAKERS SHALL BE HACR TYPE
043.21E1	1	OPTIMIZED ORDER ASSEMBLY TABLE	120/1	5.4	20A	SEE RMKS	KES BREAKER PANEL	SEE RMKS	SEE RMKS	PLUGS INTO KES OUTLET CHASE FOR HLA
052.01E1	1	SODA SYSTEM PACKAGE REMOTE CONDENSER – 3–TOWER	208/1	2.5	20A SEE RMKS	SEE RMKS	SEE RMKS	SEE RMKS	SEE RMKS	EC TO PROVIDE 30A–2P DISC SW W/15A FUSE – POWERED BY 31.03 – LOCATION BY ACM
052.01E2	1	SODA SYSTEM PACKAGE REMOTE CONDENSER – 3–TOWER	–	–	–	–	–	–	SEE RMKS	CONTROL WIRES TO SODA SYSTEM – LOCATION BY ACM
061.00E1	1	FRY BAGGING STATION 36"	120/1	12.5	20A	1/2"C–2#12	AP–1:31	JB	4'–0"	–
065.30E1	1	3–VAT LOV FRYER – ELECTRIC – F/F/F	208/3	38.9 EA. VAT	(3) 50A	1"C–3#6 EA. VAT	AP–4:(13,15,17)(19,21,23)(25,27,29)	BY KES	SEE RMKS	PLUGS INTO RACEWAY RECEP WITH(1)L21–20P INTERLOCK PLUG &(3) 15–60P POWER PLUG BY KES
066.47E1	1	4–VAT LOV FRYER – ELECTRIC – S/S/S/S	208/3	38.9 EA. VAT	(4) 50A	1"C–3#6 EA. VAT	AP–3:(1,3,5)(7,9,11)(2,4,6)(8,10,12)	BY KES	SEE RMKS	PLUGS INTO RACEWAY RECEP WITH(1)L21–20P INTERLOCK PLUG &(4) 15–60P POWER PLUG BY KES
073.00E1	1	UNIVERSAL EXHAUST HOOD 3–VAT FRYER	120/1	12.5, 9.8	(2)20A–1P	1/2"C–2#12EA	AP–1:23,24	BY KES	SEE RMKS	EC TO CONN POWER TO RACEWAY FLA = 12.0 FRYER CONTROLS, 0.5 CAPTURE JET & 9.8 INDIVID. EXHAUST FAN INTERLOCK
079.23E1	1	UNIVERSAL EXHAUST HOOD FULL–CLAM/4–VAT FRYER	120/1	17.6, 13.8	(2)20A–1P	1/2"C–2#12EA	AP–1:29,41	BY KES	SEE RMKS	EC TO CONN POWER TO RACEWAY FLA=3.6 GRILL,13.0 FRYER CONTROLS, 1.0 CAPTURE JET & 13.8 INDIVID EXHAUST FAN INTERLOCK
079.26E2	2	VENTLESS HOOD COMBI OVEN	120/1	8.0	15A	1/2"C–2#12	AP–4:14,16	BY KES	SEE RMKS	EC TO EXTEND DEDICATED CIRCUIT TO 5–15R RECEPTACLE IN CHASE
085.05E1	1	FROZEN FRY DISPENSER	120/1	9.0	20A	1/2"C–2#12	AP–1:27	5–20R	4'–0"	–
091.02E1	1	WALL MOUNT FREEZER UNIT–SINGLE WIDE–HIGH CAPACITY	120/1	5.0	20A	1/2"C–2#12	AP–5:23	5–20R	7'–6"	–
093.00E1	1	UNIVERSAL EXHAUST HOOD FULL–CLAM GRILL	120/1	13.9	20A	1/2"C–2#12	AP–2:17	BY KES	SEE RMKS	EC TO CONN. POWER TO RACEWAY FLA = 3.6 GRILL CONTROLS, 0.5 CAPTURE JET & 9.8 INDVID. EXHAUST FAN INTERLOCK
096.21E1	2	36" NEXT GEN 3–PLATEN CLAMSHELL GRILL – ELECTRIC	208/3	21.7, 43.3	(2)50A	1–1/2"C– 6#4	AP–3:(14,16,18)(20,22,24) AP–4:(1,3,5)(7,9,11)	BY KES	SEE RMKS	PLUGS IN RACEWAY RECEP WITH(1)L21–20P INTERLOCK& (2) 15–50P POWER PLUG EA GRILL
097.08E1	1	MEAT FREEZER – DOUBLE WIDE – HIGH CAPACITY – RIGHT HAND	120/1	7.0	20A	1/2"C–2#12	AP–2:19	5–15R	SEE RMKS	UNIT PLUGS INTO RACEWAY RECEPTACLE
114.00E1	1	HUMIDIFIED HOLDING CABINET	208/1	9.1	20A	1/2"C–2#12	AP–5:(34,36)	SEE RMKS	5'–6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C6W(B) PROVIDED BY KES – HEIGHT TO BOTTOM OF RECEPTCLE
116.23E4	2	UNIVERSAL HOLDING CABINET – HIGH DENSITY – 2–SIDED – PIN & SLEEVE	208/1	15.2	20A	1/2"C–2#12	AP–5:(4,6)(8,10)	BY KES	5'–6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C6W(B) PROVIDED BY KES – HEIGHT TO BOTTOM OF RECEPTCLE
117.30E1	1	UHC TABLE COPL – 2 SIDED – 51"D x 34"W – PIN&SLEEVE	120/1	2.0	20A	1/2"C–2#12	AP–5:12	BY KES	5'–6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C4W(Y) PROVIDED BY KES– HEIGHT TO BOTTOM OF RECEPTACLE
118.00E1	1	Q'ING OVEN – PIN & SLEEVE	208/1	15.4	20A	1/2"C–2#12	AP–2:(38,40)	SEE RMKS	5'–6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C6W(B) PROVIDED BY KES– HEIGHT TO BOTTOM OF RECEPTACLE
118.03E1	2	Q'ING OVEN – PIN & SLEEVE	208/1	14.9	20A	1/2"C–2#12	AP–2:(18,20)(28,30)	SEE RMKS	5'–6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C6W(B) PROVIDED BY KES– HEIGHT TO BOTTOM OF RECEPTACLE
122.27E1	1	NEXT GEN. UNIVERSAL RADIANT TOASTER –PIN & SLEEVE	208/1	25.2	30A	1/2"C–2#10	AP–5:(27,29)	SEE RMKS	5'–6"	PLUGS INTO OVERHEAD RECEPTACLE # 330C6W(B) PROVIDED BY KES– HEIGHT TO BOTTOM OF RECEPTACLE
122.28E2	1	NEXT GEN. UNIVERSAL CONTACT TOASTER –PIN & SLEEVE	208/1	25.2	30A	1/2"C–2#10	KES BREAKER PANEL	SEE RMKS	SEE RMKS	PLUGS INTO KES RACEWAY RECEPTACLE
123.36E1	1	ECU TABLE – COPL	208/1	4.9	15A	SEE RMKS	KES BREAKER PANEL	SEE RMKS	SEE RMKS	PLUGS INTO KES OUTLET CHASE.
123.37E1	1	BREAKER PANEL– 125 AMP – 1 PHASE – EQUIPMENT MOUNTED	120–208/1	SEE RMKS	125A	1–1/2"C–3#1	MDP:11	–		EC TO EXTEND AND CONNECT ELECTRICAL SERVICE. HARDWIRE TO KES BREAKER PANEL.
123.40E1	1	PREP TABLE – HD – 2–SIDED COPL – 38"D x 83 1/2" – PIN & SLEEVE W/ REF.	120/1	10.0	20A	SEE RMKS	KES BREAKER PANEL	SEE RMKS	SEE RMKS	PLUGS INTO KES OUTLET CHASE.
125.00E2	2	RAPID BUN STEAMER	208/1	14.3	30A	1/2"C–2#10	KES BREAKER PANEL	SEE RMKS	SEE RMKS	PLUGS INTO KES RACEWAY RECEPTACLE
130.00E3	2	COMBI OVEN	208/3	15.1	30A	1/2"C–3#10	AP–4:(2,4,6)(8,10,12)	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO L430R9 RECEPTACLE IN CHASE
152.08E1	1	WAREWASHER – HIGH TEMP	208/3	26.9 EA.	(2)30A	1/2"C–3#10	AP–5(31,33,35)(37,39,41)	SEE RMKS	SEE RMKS	EC TO SUPPLY 30A–3P NF DISC SW HANDLE HGT. MTD @ 6'–7" AFF FOR EA. CCT PER NEC 404.8(A). LABEL 'WAREWASHER (# OF 2)'
163.02E1	4	REMOTE ANSUL PULL	–	–	–	–	–	JB	SEE DETAILS	4" OCTAGONAL, RACO #165 OR EQUAL MUST BE USED.
171.01E1	1	WALK–IN COOLER / FREEZER FLOORLESS	120/1	10.0	20A	1/2"C–2#12	AP–2:14,16	JB	FLUSH ON CLG	JB FOR LIGHTS &]DOOR HEATER– UNSWITCHED LIGHT TO BE IN BOTH COOLER & FREEZER,EC TO CONNECT POWER
171.01E2	1	WALK–IN COOLER / FREEZER FLOORLESS	–	–	–	–	–	–	VIF	EC TO FURNISH & INSTALL CONDUIT,WIRE & LIGHT FIXTURES& OTHER DEVICES INSIDE COOLER/FREEZER BOX
174.36E1	1	REMOTE CONDENSING UNIT	208/1	15.0	20A	1/2"C–2#12	AP–5:(38,40)	JB	VIF	EC TO PROVIDE 30A–2P NF DISC AT UNIT ON ROOF. CIRCUIT BREAKERS TO BE HARC RATED.
174.36E2	1	REMOTE CONDENSING UNIT	LOW VOLT WIRES	–	–	–	–	–	VIF	–
174.45E1	1	REMOTE CONDENSING UNIT	208/3	24.7	40A	3/4"C–3#8	MDP:15	JB	VIF	EC TO PROVIDE 60A–3P NF DISC AT UNIT ON ROOF. CIRCUIT BREAKERS TO BE HARC RATED.
174.45E2	1	REMOTE CONDENSING UNIT	LOW VOLT WIRES	–	–	–	–	–	VIF	–
175.18E1	1	COOLER EVAPORATOR	208/1	1.0	20A	1/2"C–2#12	AP–6:(9,11)	JB	FLUSH ON CLG	–
175.18E2	1	COOLER EVAPORATOR	LOW VOLT WIRES	–	–	–	–	–	FLUSH ON CLG	L V WIRES CONN UNIT TO EVAPS & SHALL BE ROUTED SEPARATELY FROM POWER CONDUCTORS
176.27E1	1	FREEZER EVAPORATOR	208/1	20.3	30A SEE RMKS	1/2"C–2#10	AP–6:(13,15)	JB	FLUSH ON CLG	–
176.27E2	1	FREEZER EVAPORATOR	LOW VOLT WIRES	–	–	–	–	–	FLUSH ON CLG	L V WIRES CONN UNIT TO EVAPS & SHALL BE ROUTED SEPARATELY FROM POWER CONDUCTORS
177.03E2	1	REACH–IN REFRIGERATOR–SINGLE WIDE	120/1	2.7	20A	1/2"C–2#12	AP–2:31	SEE RMKS	SEE RMKS	EC TO EXTEND CIRCUIT TO 5–20R RECEPTACLE IN CHASE
178.05E1	3	REACH–IN FREEZER–SINGLE WIDE	120/1	11.0	20A	1/2"C–2#12	AP–1:25,30,35	5–20R	7'–6"	–
181.13E1	1	REFRIGERATOR – SPECIALTY COFFEE– 27" WIDE	120/1	3.9	20A	1/2"C–2#12	AP–2:22	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5–20R RECEPTACLE IN CHASE
181.14E1	1	REFRIGERATOR – WORK TOP –48" WIDE	120/1	5.0	20A	1/2"C–2#12	AP–2:8	5–20R	2'–0"	–
183.00E1	2	REFRIGERATOR/FREEZER – 2 DRAWER BASE – 30" W X 33" H	120/1	5.0	20A	1/2"C–2#12	AP–5:1	5–20R	2'–0"	–
183.02E2	2	REFRIGERATOR/FREEZER – 2 DRAWER BASE – 30" W X 30" H	120/1	5.0	20A	1/2"C–2#12	AP–5:5,7	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5–20R RECEPTACLE IN CHASE
183.02E3	1	REFRIGERATOR/FREEZER – 2 DRAWER BASE – 30" W X 30" H	120/1	5.0	20A	1/2"C–2#12	AP–5:9	BY KES	5'–6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C4W(Y) PROVIDED BY KES– HEIGHT TO BOTTOM OF RECEPTACLE
196.06E1	1	SAFE – STANDARD BLDG.	120/1	1.0	20A	1/2"C–2#12	AP–1:7	5–20R	2'–0"	PROVIDE LOCKOUT TYPE CB
196.08E1	1	BOCA	120/1 ISOLATED	8.2	20A	1/2"C–2#12IG	CP:33	IG5262	2'–0"	–
196.08E2	1	BOCA	120/1 ISOLATED	1.8	20A	1/2"C–2#12IG	CP:33	IG5262	2'–0"	–
196.08E3	1	BOCA	DATA CABLE	–	–	2" C	–	4x4x4 PB	2'–0"	EXTEND 2" CONDUIT ABOVE CLG. W/ BUSHING FOR DATA CABLES

PB = Pullbox
JB = Junction Box
EC = Electrical Contractor
VIF = Verify in Field

ELECTRICAL SCHEDULE

TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS
197.01E1	1	HAND WASH TIMER	120/1	0.1	20A	1/2"C–2#12	AP–1:33	5–20R	4'–6"	–
203.01E1	1	HEAT TREAT COMBINATION SHAKE/SUNDAE MACHINE	208/3	13.0	30A	3/4"C–3#8	AP–1:(18,20,22)	4x4x4 PB	1'–0"	RECEP #A460R9 BY KES, IF TAYLOR C602 IS ORDERED USE A 40A BRKR & #6 CONDUCTORS –EC MAKES FINAL CONN
205.08E1	1	BIC MACHINE	120/1	8.6	20A	1/2"C–2#12	AP–2:29	BY KES	SEE RMKS	EC TO EXTEND DEDICATED CIRCUIT TO 5–20R RECEPTACLE IN CHASE
205.09E2	1	FROZEN BEVERAGE DISPENSER	208/1	20.0	30A	1/2"C–2#10	AP–5:(17,19)	SEE RMKS	SEE RMKS	RECEP L6–30R IN CHASE BY KES, EC MAKES FINAL CONN
207.01E2	1	BLENDER – MCFLURRY – RAIL MOUNT	120/1	1.2	20A	1/2"C–2#12	AP–2:7	5–20R	4'–0"	–
210.00E10	1	CASH RECYCLER	120/1 ISOLATED	4.4	20A	1/2"C–2#12IG	CP:27	(2) IG5262	SEE RMKS	PROVIDE RECEP. IN COUNTER–MOUNTED RACEWAY
210.00E4	1	CASH RECYCLER	120/1 ISOLATED	4.4	20A	1/2"C–2#12IG	CP:24	(2) IG5262	2'–10"	–
211.00E6	1	DELIVERY TABLETS	120/1	3.0	20A	1/2"C–2#12	AP–5:21	(2) 5–20R	5'–6"	–
214.02E1	1	TECHNOLOGY RACK	120/1 ISOLATED	5.0	20A	1/2"C–2#12IG	CP:11	IG4700	7'–6"	FOR SWITCHES, HUBS AND RADIUS
214.02E3	1	TECHNOLOGY RACK	120/1 ISOLATED	10.0	20A	1/2"C–2#12IG	CP:15	IG4700	3'–0"	FOR CASHLESS DEVICE UPS
214.02E4	1	TECHNOLOGY RACK	120/1 ISOLATED	12.0	20A	1/2"C–2#12IG	CP:17	IG4700	3'–0"	FOR POS SYSTEM UPS AND ORB CONTROLLER
214.02E5	1	TECHNOLOGY RACK	DATA CABLE	–	–	–	–	8x6x4 PB	7'–6"	EXTEND (2) 2 1/2" CONDUIT ABOVE CLG. W/BUSHING FOR DATA CABLES
214.02E6	1	TECHNOLOGY RACK	120/1 ISOLATED	14.0	30A	1/2"C–2#10IG	CP:12	L5–30R IG	3'–0"	FOR POS SYSTEM UPS
215.00E12	1	POS REGISTER – FRONT COUNTER	120/1 ISOLATED	3.0 EA.	–	3/4"C–2#12IG	CP:19	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER–MOUNTED RACEWAY
215.00E3	1	POS REGISTER – FRONT COUNTER	DATA CABLE	–	–	–	–	4x4x4 PB	10"	EXTEND 2" CONDUIT TO ABOVE CEILING FOR POS DATA CABLES
215.02E1	1	POS REGISTER – 2 WINDOW D/T	120/1 ISOLATED	3.0 EA.	SEE RMKS	1/2"C–2#12IG	SEE REMARKS	(2)IG4700	2'–5"	IN ORDER BOOTH, CONNECT TO CP:7 – IF INCLUDED IN PRESENTERS BOOTH, CONNECT TO CP:8
215.02E10	2	POS REGISTER – 2 WINDOW D/T	120/1 ISOLATED	3.0 EA.	20A	1/2"C–2#12IG	CP:1	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO IG4700 RECEPTACLE IN CHASE
215.02E12	1	POS REGISTER – 2 WINDOW D/T	–	–	–	–	–	18x12x4 PB	10"	REFER TO D/T LOW VOLTAGE CONDUIT DIAGRAM FOR CONDUITS UNDER SLAB AND EXTEND (2) 2 1/2"C. TO ABOVE CLG.
215.02E13	2	POS REGISTER – 2 WINDOW D/T	–	–	–	–	–	4x4x4 PB	10"	EXTEND 1 1/2"C. UNDER SLAB TO 217.11E1 AND 2 1/2" C. TO ABOVE CEILING FOR POS DATA CABLES
215.04E1	2	POS – KVS MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2"C–2#12IG	CP:8	IG4700	FLUSH ON CLG	–
215.04E4	2	POS – KVS MONITOR	120/1 ISOLATED	1.5	20A	1/2"C–2#12IG	CP:26	SEE RMKS	SEE RMKS	EC TO EXTEND CIRCUIT TO IG4700 RECEPTACLE IN OEP
215.04E5	2	POS – KVS MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2"C–2#12IG	CP:3	SEE RMKS	SEE RMKS	EC TO EXTEND CIRCUIT TO IG4700 RECEPTACLE IN CHASE
215.04E7	3	POS – KVS MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2"C–2#12IG	CP:23	IG4700	5'–6"	–
215.04E8	1	POS – KVS MONITOR	DATA CABLE	–	–	–	–	4x4x4 PB	4'–0"	EXTEND 2" CONDUIT ABOVE CEILING. CABLE FURNISHED AND INSTALLED BY POS SYSTEM SUPPLIER
215.07E1	1	POS REGISTER – DELIVERY	120/1 ISOLATED	3.0	20A	1/2"C–2#12IG	CP:23	IG4700	3'–6"	
215.07E3	1	POS REGISTER – DELIVERY	–	–	–	–	–	4x4x4 PB	3'–6"	EXTEND 2" CONDUIT TO ABOVE CEILING FOR POS DATA CABLES
216.00E13	2	POS – VIDEO MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2"C–2#12IG	CP:3	SEE RMKS	SEE RMKS	EC TO EXTEND CIRCUIT TO IG4700 RECEPTACLE IN CHASE
216.00E14	4	POS – VIDEO MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2"C–2#12IG	CP:9	IG4700	SEE RMKS	EXTEND CONDUIT DOWN GRILL HOOD SHROUD AND PROVIDE IG4700 RECEPTACLE
216.00E7	3	POS – VIDEO MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2"C–2#12IG	CP:1	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO IG4700 RECEPTACLE IN CHASE
217.03E4	1	POS – COD OPTICAL ISOLATOR	120/1 ISOLATED	1.0	20A	1/2"C–2#12IG	CP:14	IG5262	7'–6"	–
217.10E1	2	REMOTE DETECTOR LOOP	–	–	–	–	–	–	–	1 1/2"CONDUIT–CONN TO PULLBOX#215.03E5,215.01E4, OR 215.02E12 PER DRIVE–THRU CONFIG–SEE SITE PLAN
217.11E1	2	DETECTOR LOOP	–	–	–	–	–	–	–	1 1/2"CONDUIT–CONN TO PULLBOX#215.02E5,215.02E13, OR 215.02E4 PER DRIVE–THRU CONFIG–SEE SITE PLAN
217.13E1	1	MERGE POINT MONITOR (DOUBLE DRIVE THRU)	120/1	2.0	20A	1/2"C–2#12	AP–1:11	5–20R	3'–6"	DO NOT POWER FROM POS CIRCUIT
217.13E2	2	MERGE POINT MONITOR (DOUBLE DRIVE THRU)	120/1	2.0	20A	1/2"C–2#12	AP–1:11	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5–20R RECEPTACLE IN CHASE
217.14E1	1	POS– VIDEO MONITOR (DOUBLE DRIVE THRU)	120/1 ISOLATED	1.5	SEE RMKS	1/2"C–2#12IG	CP:7	IG4700	3'–6"	–
217.18E1	3	HAND HELD ORDER TAKER AND MANAGEMENT OF SHIFT EQUIPMENT	120/1	5.0	20A	1/2"C–2#12	AP–1:15	5–20R	4'–6"	–
217.19E2	1	WIRELESS HEADSET BASE STATION	120/1 ISOLATED	1.9	20a	1/2"C–2#12IG	CP:1	IG4700	4'–6"	
217.19E3	1	WIRELESS HEADSET BASE STATION	DATA CABLE	–	–	–	–	4x4x4 PB	5'–0"	
217.24E1	1	DANGER POINT MONITOR (DOUBLE DRIVE–THRU)	120/1	2.0	20A	1/2"C–2#12	AP–1:11	5–20R	8'–0"	DO NOT POWER FROM POS CIRCUIT
217.26E1	1	ZOOM TIMER	120/1 ISOLATED	6.0	20A	1/2"C–2#12IG	CP:10	(2) IG4700	7'–6"	–
217.26E2	1	ZOOM TIMER	DATA CABLE	–	–	–	–	JB	7'–6"	JB W/ 1–1/2" C. TO TERMINATE ABOVE CEILING W/BUSHINGS. FOR DATA CABLES. SUPPLY W/ GROMMETED OPENING IN COVER PLATE
219.00E10	1	POS – RECEIPT PRINTER	120/1 ISOLATED	0.7	20A	3/4"C–2#12IG	SEE RMKS	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER–MOUNTED RACEWAY, POWER FROM SAME CIRCUIT AS 215.00E12
219.00E3	1	POS – RECEIPT PRINTER/CASHLESS	120/1 ISOLATED	0.7	20A	1/2"C–2#12IG	CP:4	IG4700	2'–0"	–
219.00E7	2	POS – RECEIPT PRINTER	120/1 ISOLATED	0.7	20A	1/2"C–2#12IG	CP:3	BY KES	SEE RMKS	EC TO EXTEND IG CIRCUIT TO IG4700 RECEPTACLE IN KES OUTLET CHASE.
219.05E2	2	STICKY LABEL PRINTER	120/1 ISOLATED	0.7	20A	1/2"C–2#12IG	CP:1	BY KES	SEE RMKS	EC TO EXTEND IG CIRCUIT TO IG4700 RECEPTACLE IN CHASE
219.05E3	1	STICKY LABEL PRINTER	120/1 ISOLATED	0.7	20A	1/2"C–2#12IG	CP:3	IG4700	3'–2"	–
219.05E6	2	STICKY LABEL PRINTER	120/1 ISOLATED	0.7	20A	1/2"C–2#12IG	CP:3	IG4700	FLUSH ON CLG	–
219.06E1	1	LABELING SYSTEM	120/1 ISOLATED	2.0	20A	1/2"C–2#12IG	CP:8	IG5261	2'–0"	–
220.00E1	1	POS – COIN DISPENSER	120/1 ISOLATED	0.75	20A	1/2"C–2#12IG	CP:7	IG4700	2'–0"	–
221.09E1	1	O/O EQUIPMENT RACK	120/1 ISOLATED	4.0	20A	1/2"C–2#12IG	CP:31	IG5262	8'–0"	–
221.09E2	1	O/O EQUIPMENT RACK	DATA CABLE	–	–	2" C	–	4x4x4 PB	8'–0"	EXTEND 2" CONDUIT ABOVE CLG. W/ BUSHING FOR DATA CABLES
222.01E1	1	TIME CLOCK	120/1 ISOLATED	0.5	20A	1/2"C–2#12IG	CP:28	IG4700	4'–0"	–
222.01E2	1	TIME CLOCK	DATA CABLE	–	–	–	–	JB	4'–0"	EXTEND 1" CONDUIT ABOVE CEILING
223.07E1	1	WASHER	120/1	8.0	15A	1/2"C–2#12	AP–1:13	5–15R	3'–6"	–
225.03E3	2	OFFICE PACKAGE/DESK UNIT	120/1 ISOLATED	10.0	20A	1/2"C–2#12IG	CP:20,22	IG5262	4'–6"	FOR MONITOR, PRINTER AND THIN CLIENT
225.03E4	1	OFFICE PACKAGE/DESK UNIT	DATA CABLE	–	–	–	–	4x4x4 PB	4'–6"	EXTEND 2 1/2" CONDUIT ABOVE CLG. W/B

MLO, AIC: NOTES D6,D7,&D8, Mounting: flush, NEMA 1 — PANEL LP-1 — 225A, 208Y/120 VAC, 3PH, 4W, CB TYPE: BL or BLH

WATTS A	WATTS B	WATTS C		BRKR REQ	TRIP POLES	CCT NO.	CCT NO.	TRIP POLES	BRKR REQ	DESCRIPTION	WATTS A	WATTS B	WATTS C
0			Spare		20A-1	1	2	20A-1	S	Flag Pole	220		
	0		Spare		20A-1	3	4	20A-1		Spare		0	
		400	Trash Corral Lighting		20A-1	5	6	20A-1	S	Front Signage			294
0			Spare		20A-1	7	8	20A-1	S	Spare	0		
	294		Back, DT & Non DT Signage	S	20A-1	9	10	20A-1	S	Exterior Wall/Soffit Lights DT		114	
		193	Flood Lights	S	20A-1	11	12	20A-1	S	Exterior Wall/Soffit Lights		.	114
42			Back of House Sconces	S,L	20A-1	13	14	20A-1		DCO In Road Sign Base	180		
	126		Linear LED Façade Lighting	S	20A-1	15	16	20A-1	L	Dr Alarm\CO2		524	
		0	Spare		20A-1	17	18	30A-2		Lot Lights			480
96			Directional Sign	S	20A-1	19	20	|		|	480		
	96		Directional Sign	S	20A-1	21	22	30A-2		Lot Lights		240	
		120	COD Lighting	S	20A-1	23	24	|		|			240
0			Spare		20A-1	25	26	30A-2		Lot Lights	480		
	0		Spare	S	20A-1	27	28	|		|		480	
		0	Spare	S	20A-1	29	30	30A-2		Spare			0
320			Dining Area Lighting	S	20A-1	31	32	|		|	0		
	224		Pendants/cove lights	S	15A-1	33	34	20A-1	L	BAS Controller		300	
		792	Kitchen Lighting	S	20A-1	35	36	20A-1	L	Lighting Control Panel			180
176			Restroom Lighting	S	20A-1	37	38	20A-1	S,L	Night/Ltg./Emerg. LED Lighting	80		
	488		Support Area Lighting	S	20A-1	39	40	60A-2	S	Mcd'S Road Sign		2496	
			Spare		20A-1	41	42	|	|	|			2496
										Total Connect	2074	5382	5309
										Connect Amps		35	Amps
										Demand Amps		44	Amps

MLO, AIC: NOTES D6,D7,&D8, Mounting: MDP, NEMA 1 — PANEL AP-4 — 225A, 208Y/120 VAC, 3PH, 4W, CB TYPE: BL or BLH

WATTS A	WATTS B	WATTS C	DESCRIPTION	BRKR REQ	TRP PLS	CCT NO.	CCT NO.	TRIP- PLS	BRKR REQ	DESCRIPTION	WATTS A	WATTS B	WATTS C
2604			Clamshell Grill	G	50A-3	1	2	30A-3	G	Combi Oven	1812		
	2604		|	|	|	3	4	|	|	|	1812	
		2604	|	|	|	5	6	|	|	|		1812
5196			Clamshell Grill	G	50A-3	7	8	30A-3	G	Combi Oven	1812		
	5196		|	|	|	9	10	|	|	|	1812	
		5196	|	|	|	11	12	|	|	|			1812
4668			3-Vat-Fryer-Electric-F/F/F	G	50A-3	13	14	15A-1		Combi Oven Hood	960		
	4668		|	|	|	15	16	15A-1		Combi Oven Hood		960	
		4668	|	|	|	17	18			Space			0
4668			3-Vat-Fryer-Electric-F/F/F	G	50A-3	19	20			Space	0		
	4668		|	|	|	21	22			Space		0	
		4668	|	|	|	23	24			Space			0
4668			3-Vat-Fryer-Electric-F/F/F	G	50A-3	25	26			Space	0		
	4668		|	|	|	27	28			Space		0	
		4668	|	|	|	29	30			Space			0
0			Spare			31	32			Space	0		
	0		Spare			33	34			Space		0	
		0	Spare			35	36			Space			0
0			Space			37	38			Space	0		
	0		Space			39	40			Space		0	
		0	Space			41	42			Space			0
										Total Connect	26387	26387	25427
										Connect Amps		211	Amps
										Demand Amps		141	Amps

150 MLO AIC:SEE NOTES D6, D7, & D8, Mounting: Flush — COMPUTER PANEL — 100A, 208Y/120 VAC, 3PH, 4W, CB TYPE: BL or BLH

WATTS A	WATTS B	WATTS C	DESCRIPTION	BRKR REQ	TRP PLS	CCT NO.	CCT NO.	TRIP- PLS	BRKR REQ	DESCRIPTION	WATTS A	WATTS B	WATTS C
1656			POS/Reg/Mon/Printer/Headset	L	20A-1	1	2	20A-1	L	Spare	0		
	1200		Kvs Mon OAT/Vid/Rec/label	G, L	20A-1	3	4	20A-1	L	Rec		84	
		120	Cctv/Timer	L	20A-1	5	6	20A-1	L	Digital Merch/Media Player			432
630			Order Pos Reg/vid mon Coin Dispenser	L	20A-1	7	8	20A-1	G,L	Kvs Mon Kit/Labeling system	600		
	720		Video Monitor	G, L	20A-1	9	10	20A-1		Zoom Timer		720	
		600	Tech Rack	L	20A-1	11	12	20A-1	L	Tech Rack UPS			1680
0			Spare	L	20A-1	13	14	20A-1	L	Cod Optical Isolator	120		
	1200		Tech Rack	L	20A-1	15	16	20A-1	L	Speaker Canopy #1		120	
		1440	Tech Rack	L	20A-1	17	18	20A-1	L	Speaker Canopy #2,			120
444			Counter Pos Reg Rec	L	20A-1	19	20	20A-1	L	Office desk	1200		
	0		Spare	L	20A-1	21	22	20A-1	L	Office desk		1200	
		900	KVS Mon/KIT/Del. Pos Reg	G, L	20A-1	23	24	20A-1	L	Order Cash Recycler			528
1860			Exterior Menu Boards/Media Player	L	20A-1	25	26	20A-1	G, L	Kvs mon Prep	360		
	528		Counter Cash Recycler	L	20A-1	27	28	20A-1	G, L	Time Clock		60	
		1860	Exterior Menu Boards/Media player	L	20A-1	29	30	20A-1	L	Kiosks Cash Handler			528
480			DO Equipment Rack	L	20A-1	31	32	20A-1	L	Kiosks	1080		
	1200		BOCA	L	20A-1	33	34	20A-1	L	Kiosks		1080	
		0	Space			35	36	20A-1	L	Kiosks			1080
0			Space			37	38			Space			
	0		Space			39	40			Space			
		0	Space			41	42			Space			
										Total Connect	8430	8112	9288
										Connect Amps		72	Amps
										Demand Amps		50	Amps

MLO, AIC: NOTES D6, D7, & D8, Mounting: MDP, NEMA — PANEL AP-1 — 225A, 208Y/120 VAC, 3PH, 4W, CB TYPE: BL or BLH

WATTS A	WATTS B	WATTS C	DESCRIPTION	BRKR REQ	TRP PLS	CCT NO.	CCT NO.	TRIP PLS	BRKR REQ	DESCRIPTION	WATTS A	WATTS B	WATTS C
1620			DCO Manager office/Crew room		20A-1	1	2	20A-2	G	Coffee brewer (presenter's booth)	1612		
	204		Crew Smart Lockers	G	20A-1	3	4	|	|	|		1612	
		1200	Crew Microwave		20A-1	5	6	20A-1	G	ABS (phase c, presenter's booth)			1788
120			Safe (mo) DCS Sam Pump	L	20A-1	7	8	20A-1	G	Cj dispenser/ coffee cream disp	840		
	240		Remote Order Battery		20A-1	9	10	20A-1	G	CO2 Detector		120	
		960	Merge/audio sys/drv mon(sa)	G	20A-1	11	12	20A-1	G	Automated beverage sys (abs,pb)			600
960			Washer		15A-1	13	14	20A-2	G	Coffee Brewer (front counter)	1612		
	1800		Hand held Order		20A-1	15	16	|	|	|		1612	
		120	Computer Room (TF/1)		20A-1	17	18	30A-3	G	Heat treat combo shake (fnt cntr)			1560
2246			Espresso Brewer	G	30A-2	19	20	|	|	|	1560		
	2246		|	|	|	21	22	|	|	|		1560	
		1500	3-Vat fryer exhst hd interlock		20A-1	23	24	20A-1		3-Vat fryer exhst hd interlock			1176
1320			Reach in Freezer-SW	G	20A-1	25	26	20A-2	H	Ice Machine Remote Cond 1400lb	104		
	1080		Frozen fry dispenser (fry wall)	G	20A-1	27	28	|	|	|		104	
		2112	4-Vat fryer exhst hd interlock		20A-1	29	30	20A-1	G	Reach in Freezer-SW			1320
1500			Fry bagging station	L,G	20A-1	31	32	15A-3	H	Ice Machine Remote Cond 1000lb	1332		
	60		Hand Wash Timer	G	20A-1	33	34	|	|	|		1332	
		1320	Reach in Freezer-SW	G	20A-1	35	36	|	|	|			1332
132			Ice machine - 1000 lb		15A-1	37	38	15A-3	H	Ice Machine Remote Cond 1000lb	1332		
	132		Ice machine - 1000 lb		15A-1	39	40	|	|	|		1332	
		1656	4-Vat fryer hd interlock		20A-1	41	42	|	|	|			1332
										Total Connect	16290	13434	17976
										Connect Amps		132	Amps
										Demand Amps		93	Amps

MLO, AIC: NOTES D6,D7,&D8, Mounting: MDP, NEMA 1 — PANEL AP-5 — 225A, 208Y/120 VAC, 3PH, 4W, CB TYPE: BL or BLH

WATTS A	WATTS B	WATTS C	DESCRIPTION	BRKR REQ	TRP PLS	CCT NO.	CCT NO.	TRIP- PLS	BRKR REQ	DESCRIPTION	WATTS A	WATTS B	WATTS C
600			Fridge/Freezer 2Dr Base	G	20A-1	1	2	20A-1		Warewasher Exhaust Fan	864		
	600		Fridge/Freezer 2Dr Base	G	20A-1	3	4	20A-2	G	Universal Holding Cabinet P&S		1581	
		600	Fridge/Freezer 2Dr Base	G	20A-1	5	6	|	|	|			1581
600			Fridge/Freezer 2Dr Base	G	20A-1	7	8	20A-2	G	Universal Holding Cabinet P&S	1581		
	600		Fridge/Freezer 2Dr Base	G	20A-1	9	10	|	|	|		1581	
		864	Toilet Exhaust Fan	G	20A-1	11	12	20A-1	G	Universal Holding Cabinet Table			240
540			Roof Receptacles	G	20A-1	13	14	20A-1		DT Power Window	120		
	132		Sparkle Table or spare		20A-1	15	16	20A-1		DT Power Window		120	
		2080	Frozen Carbonated Beverage	G	30A-2	17	18	20A-1		DT Power Window			120
2080			|	|	|	19	20	20A-2	G	Coffee Brewer (front counter)	1612		
	360		Delivery Tablets	G	20A-1	21	22	|	|	|		1612	
		600	Wall Mount Frz Unit SW HC	G	20A-1	23	24	20A-1	G	Pie Display			564
828			Bulk Oil System	G	20A-1	25	26	20A-1	G	Pie Display	564		
	2620		Universal Radiant Toaster	G	30A-2	27	28	20A-1		Spare		0	
		2620	|	|	|	29	30	20A-1		DCO-Muzak satellite system			120
3230			Warewasher 1of2	G	30A-3	31	32	20A-1		Ctg. Mt window recepts	540		
	3230		|	|	|	33	34	20A-2	G	Humidified Holding Cabinet		947	
		3230	|	|	|	35	36	|	|	|			947
3230			Warewasher 2of2	G	30A-3	37	38	20A-2	H	Remote Condensing Unit	1560		
	3230		|	|	|	39	40	|	|	|	1560	
		3230	|	|	|	41	42	20A-1		Spare			0
										Total Connect	17949	18173	16796
										Connect Amps		147	Amps
										Demand Amps		96	Amps

MLO, AIC: NOTES D6,D7,&D8, Mounting: MDP, NEMA 1 — PANEL AP-2 — 225A, 208Y/120 VAC, 3PH, 4W, CB TYPE: BL or BLH

WATTS A	WATTS B	WATTS C	DESCRIPTION	BRKR REQ	TRP PLS	CCT NO.	CCT NO.	TRIP PLS	BRKR REQ	DESCRIPTION	WATTS A	WATTS B	WATTS C
1536			Ice machine 1400LB	H	20A-3	1	2	20A-1		Spare			
	1536		|	|	|	3	4	20A-1		Janitor EF		100	
		1536	|	|	|	5	6	20A-1	G	DCO - General Purpose			540
144			Blender McFlurry	G	20A-1	7	8	20A-1	G	Refrig-wt-48"	600		
	180		Janitor's closet	G	20A-1	9	10	30A-2	H	Trash Compactor		2496	
		480	Water Heater - Gas Igniter Cntrl	L	20A-1	11	12	|	|	|			2496
0			Spare	G	20A-1	13	14	20A-1		Walk in cooler / freezer	600		
	864		Bulk oil system (sup area)	G	20A-1	15	16	20A-1		Walk in cooler / freezer		600	
		1668	Clm grill exhaust hd interlock		20A-1	17	18	20A-2	G	Q'ing oven - P& S			1550
840			Meat freezer DW (grill side)	G	20A-1	19	20	|	|	|	1550		
	120		Clean in place panel	G	20A-1	21	22	20A-1	G	Specialty Coffee Refrigerator 27"		468	
		490	Reverse Osmosis, Filtration	G	20A-1	23	24	20A-1	G	Automated beverage sys			600
180			DCO in Trash Corral	G	20A-1	25	26	20A-1	G	ABS (presenter's booth)	1788		
	1200		Bulk oil sys - support area (sa)	G	20A-1	27	28	20A-2	G	Q'ing oven - P& S		1550	
		1032	BIC Machine	G	20A-1	29	30	|	|	|			1550
324			Reach In SW fridge	G	20A-1	31	32	20A-2	G	Infusion Tea Brewer	1352		
	120		Recirc pump		20A-1	33	34	|	|	|		1352	
		1632	Soda syst pack (support area)		20A-1	35	36	20A-1		Spare			100
3120			Soda syst pack (support area)		30A-3	37	38	20A-2	G	Q'ing oven - P& S	1602		
	3120		|	|	|	39	40	|	|	|	1602	
		3120	|	|	|	41	42	20A-1	G	Dco-General Purpose			540
										Total Connect	13636	15308	17333
										Connect Amps		129	Amps
										Demand Amps		85	Amps

MLO, AIC: NOTES D6,D7,&D8, Mounting: MDP, NEMA 1 — PANEL AP-6 — 225A, 208Y/120 VAC, 3PH, 4W, CB TYPE: BL or BLH

WATTS A	WATTS B	WATTS C	DESCRIPTION	BRKR REQ	TRP PLS	CCT NO.	CCT NO.	TRIP PLS	BRKR REQ	DESCRIPTION	WATTS A	WATTS B	WATTS C
1092			Hand Dryer	L,G	20A-1	1	2	50A-2P		Unit AC-1	4000		
	1092		Hand Dryer	L,G	20A-1	3	4	|	|	|		4000	
		1092	Hand Dryer	L,G	20A-1	5	6	50A-2P		Unit AC-2			4000
1092			Hand Dryer	L,G	20A-1	7	8	|	|	|	4000		
	104		Cooler Evap	H	20A-2	9	10	20A-1		Unit AC-3		1200	
		104	|	|	|	11	12	20A-1		Unit AC-4			1200
2111			Freezer Evap	H	30A-2P	13	14	20A-1		Unit AC-5	600		
	2111		|	|	|	15	16	20A-1		Spare		0	
		0	Spare		20A-1	17	18	20A-1		Spare			0
0			Spare		20A-1	19	20	20A-1		Spare	0		
	0		Space			21	22			Space		0	
		0	Space			23	24			Space			0
0			Space			25	26			Space	0		
	0		Space			27	28			Space		0	
		0	Space			29	30			Space			0
0			Space			31	32			Space	0		
	0		Space			33	34			Space		0	
		0	Space			35	36			Space			0
0			Space			37	38			Space	0		
	0		Space			39	40			Space		0	
		0	Space			41	42			Space			0
										Total Connect	12895	8507	6396
										Connect Amps		77	Amps
										Demand Amps		54	Amps

MLO, AIC: NOTES D6,D7,&D8, Mounting: MDP, NEMA 1 — PANEL AP-3 — 225A, 208Y/120 VAC, 3PH, 4W, CB TYPE: BL or BLH

WATTS A	WATTS B	WATTS C	DESCRIPTION	BRKR REQ	TRP PLS	CCT NO.	CCT NO.	TRIP- PLS	BRKR REQ	DESCRIPTION	WATTS A	WATTS B	WATTS C
4668			4-Vat-Fryer-Electric-S/S/S/S	G	50A-3	1	2	50A-3	G	4-Vat-Fryer-Electric-S/S/S/S	4668		
	4668		|	|	|	3	4	|	|	|		4668	
		4668	|	|	|	5	6	|	|	|			4668
4668			4-Vat-Fryer-Electric-S/S/S/S	G	50A-3	7	8	50A-3	G	4-Vat-Fryer-Electric-S/S/S/S	4668		
	4668		|	|	|	9	10	|	|	|	4668	
		4668	|	|	|	11	12	|	|	|			4668
0			Space			13	14	50A-3	G	Clamshell Grill	2604		
	0		Space			15	16	|	|	|		2604	
		0	Space			17	18	|	|	|			2604
0			Space			19	20	50A-3	G	Clamshell Grill	5196		
	0		Space			21	22	|	|	|		5196	
		0	Space			23	24	|	|	|			5196
0			Space			25	26			Space	0		
	0		Space			27	28			Space		0	
		0	Space			29	30			Space			0
0			Space			31	32			Space	0		
	0		Space			33	34			Space		0	
		0	Space			35	36			Space			0
0			Space			37	38			Space	0		
	0		Space			39	40			Space		0	
		0	Space			41	42			Space			0
										Total Connect	26472	26472	26472
										Connect Amps		220	Amps
										Demand Amps		143	Amps

1200A MCB, NOTES D6, D7, & D8, Mounting: Free Standing, NEMA 1 100% FULLY RATED — PANEL MDP — 208Y/120 VAC, 3PH, 4W

WATTS A	WATTS B	WATTS C	DESCRIPTION	BRKR REQ	BRKR REQ	TRP PLS	CCT NO.	CCT NO.	TRP PLS	BRKR REQ	BRKR REQ	TYPE	DESCRIPTION	WATTS A	WATTS B	WATTS C
2074	5382	5309	Lighting Panel 1; LP-1			225A-3	1	2	225A-3				Appliance Panel; AP-1	16290	13434	17976
13636	15308	17333	Appliance Panel; AP-2			225A-3	3	4	225A-3			SHT	Appliance Panel; AP-3	26472	26472	26472
12960	12960	12960	*Roof Top Unit 1	H		150A-3	5	6	150A-3			L	CP Panel	8430	8112	9288
			Space			125A-3	7	8	110A-3			H	*Roof Top Unit 3	9480	9480	9480
17949	18173	16796	Appliance Panel; AP-5			225A-3	9	10	225A-3			SHT	Appliance Panel; AP-4	26387	26387	25427
7450	7402	0	KEC Breaker Panel			125A-2	11	12	70A-3			H	*Roof top unit 2	6360	6360	6360
			Space				13	14	225A-3				Appliance Panel; AP-6	12895	8507	6396
4056	4056	4056	Remote Condensing Unit	H		40A-3	15	16					Space			
			Space				17	18					SPD			
			Space				19	20					SPD			
													Total Connect	164439	162033	157853
													Connect Amps		1344	Amps

* SEE ELECT SHTS FOR CONDUIT AND WIRE SIZE

DISTRIBUTION EQUIPMENT NOTES:

D1. ALL ELECTRICAL MATERIAL USED ON THIS PROJECT SHALL BE "UL" LISTED AND LABELED.

D2. THE EC/GC/AREA CONSTRUCTION MANAGER WHEN ORDERING PANELBOARDS, SHALL DETERMINE THE NUMBER OF SERVICE ENTRANCE CONDUCTORS, SIZE AND MATERIAL TYPE, AND SHALL PROVIDE THIS INFORMATION TO THE PANELBOARD SUPPLIER SO THAT THE APPROPRIATE LUGS CAN BE PROVIDED FROM THE FACTORY.

D3. ALUMINUM SERVICE ENTRANCE CONDUCTORS SHALL ONLY BE USED WHEN THEY ARE TERMINATED DIRECTLY TO THE LINE LUGS ON A C/T AND METERING CABINET, THE LINE LUGS OF A FUSIBLE DISCONNECT SWITCH OR TO THE LINE LUGS OF A MAIN LUG ONLY (6 HANDLE RULE) SERVICE ENTRANCE PANEL. ALUMINUM SERVICE ENTRANCE CONDUCTORS SHALL NOT BE TERMINATED TO THE LINE LUGS OF ANY MAIN BREAKER SINCE DOING SO WILL VIOLATE IT'S 100% UL RATING. IF ALUMINUM CONDUCTORS ARE USED AS PREVIOUSLY INDICATED THEY SHALL BE TERMINATED AS FOLLOWS, AND THE WIRE SIZE INCREASED DUE TO LOWER AMPACITY OF ALUMINUM. EXPOSED ALUMINUM CONDUCTOR STRANDS SHALL BE COATED WITH AN ANTI-OXIDANT IMMEDIATELY AFTER INSULATION IS STRIPPED AWAY. A COMPRESSION LUG SHALL BE PROPERLY INSTALLED ONTO THE EXPOSED ALUMINUM CONDUCTOR STRANDS, AND THAT COMPRESSION LUG SHALL THEN BE BOLTED TO THE TRANSFORMER TAPS AND SWITCHBOARD BUSS USING PROPERLY SIZED BOLTS, NUTS AND WASHERS. MERELY INSERTING ALUMINUM STRANDS UNDER A SCREW LUG SHALL NOT BE ACCEPTABLE.

D4. THE SURGE PROTECTIVE DEVICE (SPD) UNIT SHALL BE AN INTEGRAL UNIT PROVIDED AND INSTALLED BY THE SWITCHBOARD MANUFACTURER. ORDER APPROVED UNITS AS SHOWN IN D5.

D5. APPROVED SWITCHBOARDS, PANEL, & SPD SUPPLIER (IN ADDITION TO ORDERING SWITCHBOARD & PANELS ALSO ORDER SPD) SUPPLIERS:

SQUARE D VIA GRAYBAR
900 REGENCY DRIVE
GLENDALE HEIGHTS, IL 60139
TEL: (800)784-6059 OR (630) 671.6304

SPD INTEGRAL: I-LINE SERIES,
(208Y/120V, 3Ø)

D6. MAIN INCOMING METER / CURRENT TRANSFORMER CABINET, MAIN DISTRIBUTION PANEL MDP, SERVICE CABINET AND SWITCH SHALL BE BRACED FOR THE HIGHEST AVAILABLE FAULT CURRENT BUT NOT LESS THAN NEMA SYMMETRICAL RMS OF 65,000 AMPERES. CONTACT UTILITY/PM/GC/EC AS REQUIRED.

D7. BRANCH BREAKERS IN ALL LP, AP AND (CP IF USED) PANELS SHALL HAVE A NEMA SYMMETRICAL RMS RATING OF 10,000 AMPS. ALL CIRCUIT BREAKERS IN AP, LP AND CP PANELS SHALL BE SERIES RATED WITH THE CIRCUIT BREAKERS IN PANEL MDP SO THAT ALL CIRCUIT BREAKERS IN ALL BRANCH PANELBOARDS ARE PROTECTED AGAINST THE MAXIMUM FAULT CURRENT AVAILABLE AT THE MAIN SERVICE DISCONNECT. NO DESIGN CHANGES SHALL BE MADE TO THE DISTRIBUTION SYSTEM WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL ELECTRICAL ENGINEER OF RECORD. FOR A SERIES RATED SYSTEM USING PANEL BOARDS MANUFACTURED BY SQUARE-D USE A FULLY RATED MAIN BREAKER (SM-RGC) AS WELL AS OTHER FULLY RATED BREAKERS IN THE MDP (QG, FH, RGC) AND SERIES RATED BREAKERS (QO (B), QO (B) VH) IN THE SUB-BREAKERS.

D8. PANELBOARD SUPPLIER SHALL MARK CLEARLY & LEGIBLY ON THE DOORS OF ALL PANELS. DOORS OF ALL PANELS "CAUTION - SERIES RATED SYSTEM _____A AVAILABLE. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED."

D9. ALL BREAKERS SHALL BE THE BOLT-ON TYPE. ALL CIRCUIT BREAKERS SHALL BE CAPABLE OF BEING LOCKED OUT TO COMPLY WITH OSHA REGULATION 1910.147 LOCKOUT/TAGOUT PROCEDURES.

D10. BRANCH BREAKERS OF 2P AND 3P CONFIGURATION SHALL HAVE A COMMON TRIP.

D11. ALL CIRCUIT BREAKERS USED TO SWITCH LIGHT FIXTURES SHALL BE APPROVED FOR THE PURPOSE AND MARKED "SWD".

D12. ALL HVAC CIRCUIT BREAKERS SHALL BE HACR TYPE. SEE TABLE ON SHEET E4.0 FOR CONDUIT AND WIRE SIZE REQUIREMENTS.

D13. PANELBOARD SUPPLIER SHALL PROVIDE ENGRAVED PLASTIC LAMINATED LABELS TO IDENTIFY ALL PANELS. LABEL FOR COMPUTER PANEL SHALL READ "COMPUTER ONLY PANEL".

D14. ALL PANELS SHALL BE PROVIDED WITH A KEY LOCK AND LATCH. EACH PANEL SHALL HAVE TWO KEYS WITH ALL PANELS KEYED ALIKE.

D15. PANELBOARD MANUFACTURER SHALL PROVIDE ARC-FLASH WARNING LABELS FOR MDP AND ALL BRANCH PANELBOARDS IN ACCORDANCE WITH NEC110.

D16. ALL RECEPTACLES IN THE KITCHEN AREA MUST HAVE GROUND FAULT CIRCUIT-INTERRUPTER PROTECTION PER NEC 210.8 (B) (2).

D17. ON PROJECTS RATED 1200 AMPS OR MORE, AND FOLLOWING NEC 2017 OR NEWER, ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DATA COLLECTION INCLUDING BUT NOT LIMITED TO UTILITY TRANSFORMER DATA, CABLE LENGTHS, ETC AND COORDINATING WITH THE SWITCHBOARD SUPPLIER OR ELECTRICAL ENGINEER SO THAT AN ARC FLASH STUDY CAN BE PREFORMED. SUPPLIER SHALL SHARE THE RESULTS OF THE STUDY WITH THE ENGINEER OF RECORD SO THAT THE APPROPRIATE ARC ENERGY REDUCTION METHOD MEETING THE REQUIREMENTS ON NEC 240.87 CAN BE APPLIED. CONTRACTOR SHALL ALSO BE RESPONSIBLE TO AFFIX THE LABELS ON THE DESIGNATED EQUIPMENT PROVIDED BY THE SUPPLIER.

SEE SHEET E3.1 FOR GENERAL ELECTRICAL NOTES

BREAKER MODIFICATIONS:

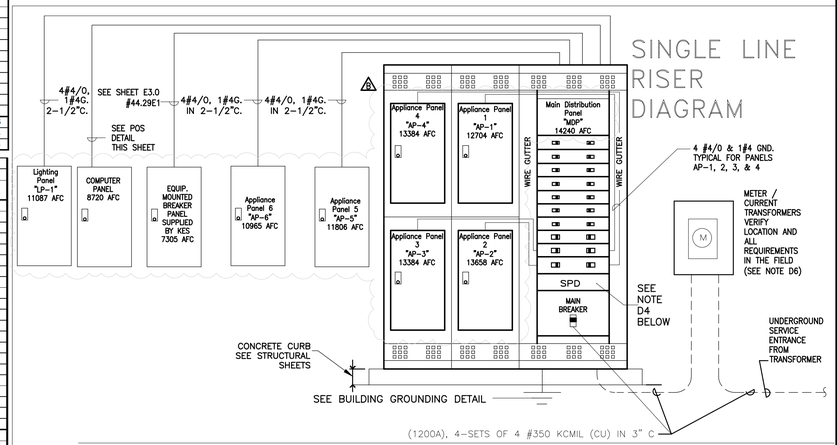
G - GFCI PERSONNEL PROTECTION (5MA)
HID - HID & SWD RATED
L - HANDLE LOCK
H - HACR RATED
S - SWITCH DUTY RATED
SHT - SHUNT TRIP

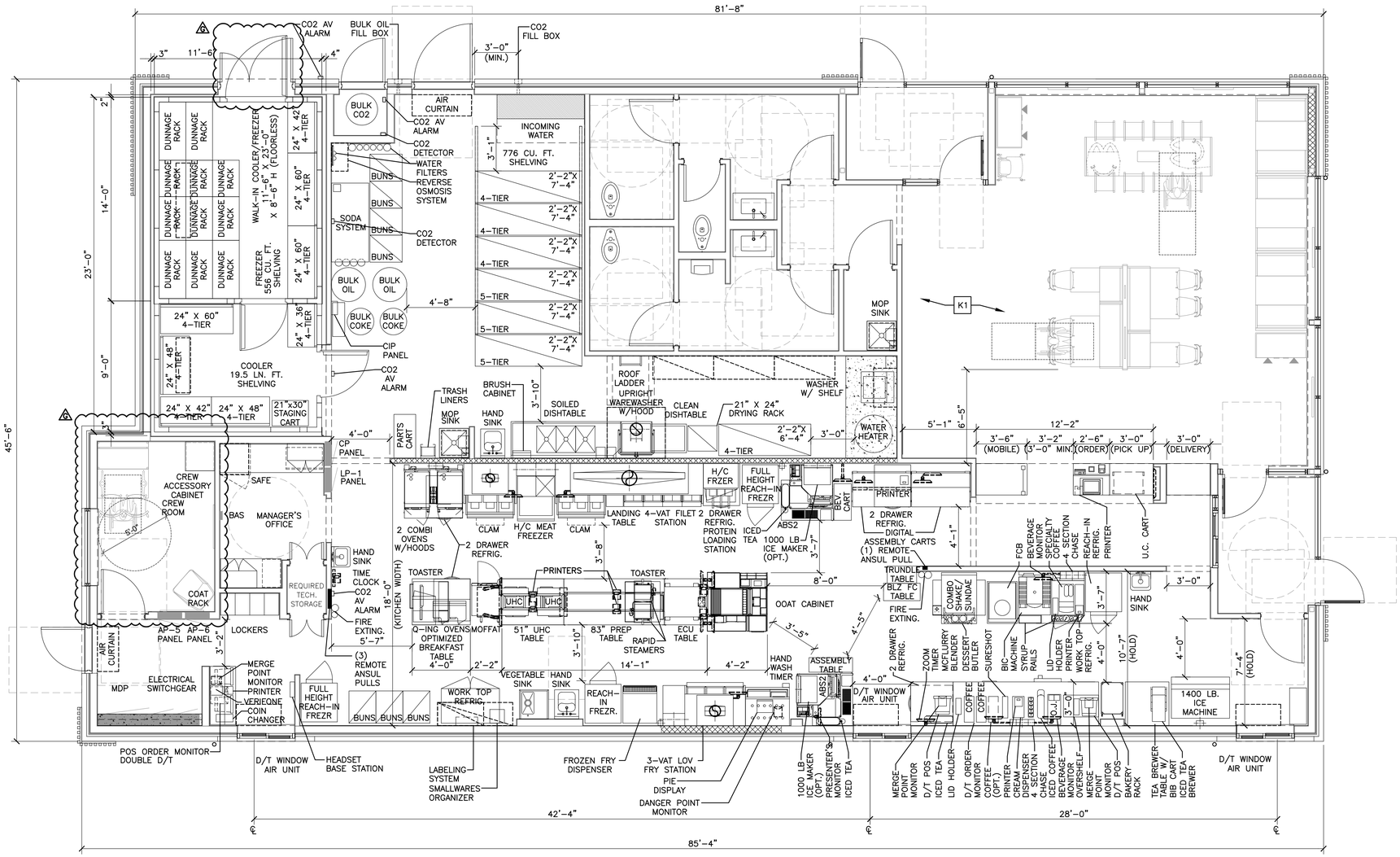
TOTAL BUILDING 208Y/120V, 3 PHASE, 4-WIRE GENERAL SERVICE POWER BASED **ON NEC 220.88 FOR A "NOT ALL ELECTRIC"** NEW RESTAURANT.

SPLIT

UTILITIES CALC

NEC Optional Method	(kW)	(A)
1. Continuous Loads:	43	121
2. Kitchen Loads:	346	961
3. HVAC Loads:	95	263
4. Cooling:	0	0
5. Total (1+2+3+4):	484	1344
6. Base Value (See 220.88):	325	902
7. Amount Over Base Value (5-6):	159	442
8. Demand Factor:	45	
9. Adjusted Value (8*7):	72	199
10. Adjusted Base Value (220.88):	262.5	729
11. Demand (9+10):	334	**928**


SINGLE LINE RISER DIAGRAM
4 #4/0, 1 #4G. 2-1/2"C.
SEE SHEET E3.0 #44.29E1
SEE POS DETAIL THIS SHEET
4 #4/0, 1 #4G. IN 2-1/2"C.
4 #4/0, 1 #4G. I



1 / K1.0 KITCHEN COVER SHEET

1/4" = 1'-0"

KEYED NOTES

K1 CUSTOMER KIOSK & DECOR LAYOUT FOR REFERENCE ONLY.

REV	DATE	DESCRIPTION	BY
G	12/23/25	DECOR	AL
F	12/12/25	STRUCTURAL CLARIFICATION	AL
E	09/26/25	CITY CMNTS.	AL
D	08/04/25	CITY CMNTS.	AL
C	07/11/25	CITY CMNTS.	AL
.	02/26/25	PERMIT SET	AL
.	12/06/24	BID SET	AL

PREPARED BY:

reprise DESIGN

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PREPARED FOR:

McDonald's USA, LLC

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DRAWN BY: AL
STD ISSUE DATE: 2024 05
REVIEWED BY: KD
DATE ISSUED: 02 26 2025
ROJ# 24247

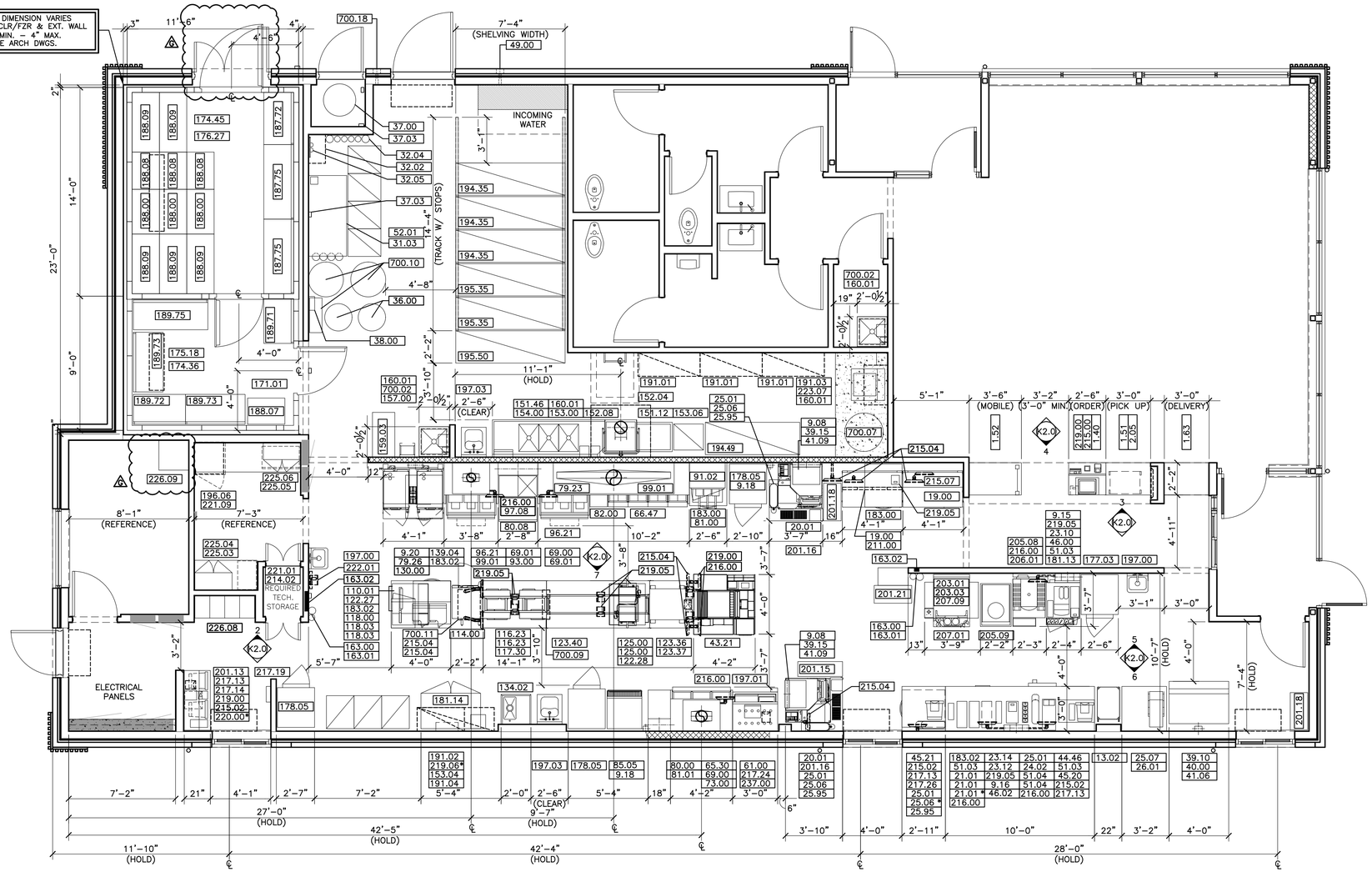
TITLE: 2024 STANDARD BUILDING – BB20
4584–WOOD/WOOD

DESCRIPTION:
WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI
WOOD TRUSS ROOF FRAMING
E.I.F.S./BATTEN/BRICK EXTERIOR FINISH

NSN: 43016
SITE ADDRESS: 8650 N. Indiana Avenue, Kansas City, MO 64156
L/C: 024–1306

SHEET NO.: 024–1306.00.G
K1.0
KITCHEN COVER SHT

NOTE: DIMENSION VARIES BETWEEN CLR/FZR & EXT. WALL 2" MIN. – 4" MAX. SEE ARCH DWGS.

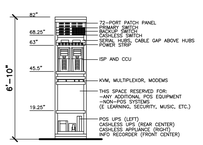


DRAWING NOTES

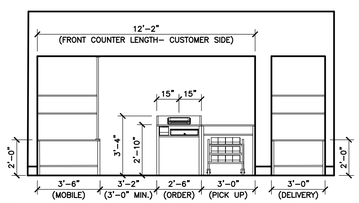
1. ALL DIMENSIONS SHOWN ARE TAKEN TO FACE OF WALL FINISH
2. * INDICATES OPTIONAL EQUIPMENT
3. KES TO VERIFY ALL BLOCKING FOR WALL MOUNTED EQUIPMENT AS REQUIRED BY GENERAL NOTE 9 ON A1.0 PRIOR TO INSTALLATION

SEE SHEET K2.1 FOR EQUIPMENT SCHEDULE

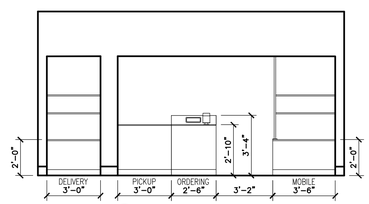
1 / K2.0 KITCHEN EQUIPMENT PLAN
1/4" = 1'-0"



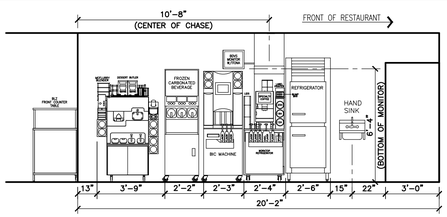
2 / K2.0 COMPUTER CLOSET RACK
1/4" = 1'-0"



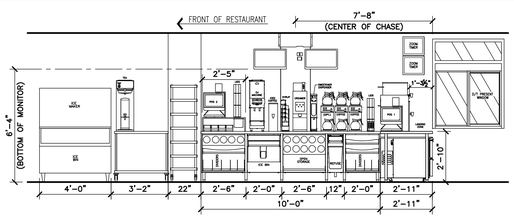
3 / K2.0 FRONT COUNTER
1/4" = 1'-0"



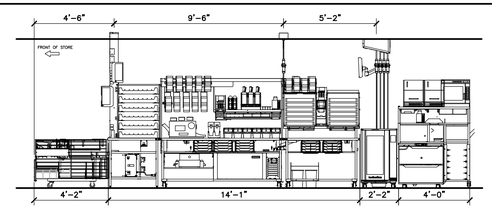
4 / K2.0 FRONT COUNTER ELEVATION
1/4" = 1'-0"



5 / K2.0 BEVERAGE CELL (INTERIOR WALL)
1/4" = 1'-0"



6 / K2.0 BEVERAGE CELL (EXTERIOR WALL)
1/4" = 1'-0"



7 / K2.0 COMPACT OPTIMIZED PREP LINE
1/4" = 1'-0"

REV	DATE	DESCRIPTION	BY
G	12/23/25	DECOR	AL
F	12/12/25	STRUCTURAL CLARIFICATION	AL
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D	08/04/25	CITY CMNTS.	AL
C	07/11/25	CITY CMNTS.	AL
.	02/26/25	PERMIT SET	AL
.	12/06/24	BID SET	AL

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PREPARED FOR:
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DRAWN BY: AL
STD ISSUE DATE: 2024 05
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RQ# 24247

TITLE:
2024 STANDARD BUILDING – BB20
4584–WOOD/WOOD

DESCRIPTION
WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI
WOOD TRUSS ROOF FRAMING
E.I.F.S./BATTEN/BRICK EXTERIOR FINISH

NSN:43016
SITE ADDRESS
8650 N. Indiana Avenue, Kansas City, MO 64156
L/C: 024–1306

SHEET NO.
024–1306.00.G
K2.0
KITCHEN PLAN

x = Optional Equipment VIF = Verify in Field
GC = General Contractor
R = Relocated Equipment

EQUIPMENT SCHEDULE

ITEM	O	QTY	DESCRIPTION	MANUFACTURER	MODEL #	UL	NSF	FURNISHED	GENERAL REMARKS	SPECIAL REQUIREMENTS
1.40		1	SERVICE POD – 30"	DECOR	SEE PLAN	–	2	GC	–	
1.51		1	PICKUP POD – 36"	DECOR	SEE PLAN	–	2	GC	–	
1.52		1	PICKUP POD – 42"	DECOR	SEE PLAN	–	2	GC	–	
1.63		1	McDELIVERY PICKUP COUNTER	DECOR	SEE PLAN	–	2	GC	–	
2.05		1	UNDER COUNTER CART – 24"W x 18"D FRONT COUNTER	INTERMETRO	UC18–DMS	–	2	KES	–	
9.08		2	UTILITY CHASE – ICE MAKER ON ABS VERSION	KES	5"x8"x23"	–	2	KES	CONCEALS WATER AND CONDENSING UNIT LINES	
9.15		1	UTILITY CHASE – FFDT INTERIOR WALL	KES	20"x5"x76"	–	2	KES	4 SECTION CHASE FOR BUYOUT RECEPTACLES, POS, CO2 AND WATER	
9.16		1	UTILITY CHASE – FFDT EXTERIOR WALL	KES	20"x5"x76"	–	2	KES	4 SECTION CHASE FOR BUYOUT RECEPTACLES, POS AND WATER	
9.18		2	UTILITY CHASE – WALL VERSION	KES	4"x4"x82"	–	2	KES	CHASE FOR BULK OIL LINES, MOUNT AT 2'–0"	
9.20		1	UTILITY CHASE – COMBI CELL	KES	4"x8"x84"	–	2	KES	CHASE FOR BUYOUT RECEPTACLES AND WATER	
13.02		1	BAKERY RACK	KRISPY KREME	18"x26"x65"	–	2	SUPPLIER	–	
19.00		2	DIGITAL ASSEMBLY CART – 48"	INTERMETRO	MCDDAC–48	–	2	KES	–	
20.01		2	AUTOMATED BEVERAGE SYSTEM 2.0	IMI CORNELIUS	621058590LON	–	–	KES	INSTALLATION KIT INCLUDES STAINLESS STEEL CHASE & DATA LINE	
21.01		3	COFFEE BREWER (THERMAL POTS)	BUNN–O– MATIC	AXIOM–DV–3	E32066	4	KES	W/ELECTRONIC CONTROLLER FOR CONVERSION TO LOW OR HIGH VOLTAGE	
23.10		1	ESPRESSO BREWER	FRANKE	FM850	–	4	KES	–	
23.12		1	COFFEE CREAM DISPENSER	SURESHOT	AC110–PC–51	E217698	20	KES	–	
23.14		1	SUGAR/SWEETENER DISPENSER	SURESHOT	AC2–GP–1–G38	E217698	18	KES	–	
24.02		1	JUICE DISPENSER	BUNN–O– MATIC	JDF–2S	–	18	KES	–	
25.01		4	SLIMLINE ICED BEVERAGE DISPENSER	BUNN–O– MATIC	TDO–N	E32066	4	KES	KES TO VERIFY EXACT QUANTITY PER MARKET	
25.06		3	SLIMLINE ICED BEVERAGE DISPENSER – SHORT	BUNN–O– MATIC	TDO–N LP	E32066	4	KES	KES TO VERIFY EXACT QUANTITY PER MARKET	
25.07		1	INFUSION TEA BREWER – MIS	BUNN–O– MATIC	ITCB–DV	E32066	4	KES	PROVIDED WITH BREWER, INSTALLATION KIT AND TDO–N BOOSTER	
25.95		3	SLIMLINE ICED BEVERAGE DISPENSER – 2 TIER STAND	KES	–	–	2	KES	–	
26.01		1	TEA BREWER TABLE – 36"X36"	ISS SHELVING	WST1758C	–	2	KES	–	
31.03		1	SODA SYSTEM PACKAGE B.I.B.(RECIRCULATING– 3 TOWERS) – REMOTE	MULTIPLEX	50MR04	SA4632	18	KES	–	
32.02		1	REVERSE OSMOSIS WATER FILTRATION SYSTEM – TANKLESS	EVERPURE	MRS–600HE	–	–	KES	FOR COFFEE MAKER, ESPRESSO MACHINE, AND RAPID BUN STEAMER	
32.04		1	WATER FILTRATION SYSTEM	EVERPURE	EV9337–26	–	–	KES	–	
32.05		1	WATER FILTRATION SYSTEM	EVERPURE	EV9272–24	–	–	KES	FOR COMBI OVENS AND STAGING CABINET	
36.00		2	BULK COKE	CHART INDUSTRIES	10667511	–	18	MANU–FACTURER	SYRUP LINES BY CHART INDUSTRIES	
37.00		1	BULK CO2 – 750 LB.	CHART INDUSTRIES	CARBO–MAX 750	–	–	MANU–FACTURER	–	
37.03		2	CO2 SAFETY SYSTEM	SEE RMKS	–	–	–	KES	SEE MECHANICAL DRAWINGS	INCLUDES DETECTOR, PWER MONITOR W/ TROUBLE SIGNAL AND (4) AV ALARMS
38.00		1	CLEAN IN PLACE PANEL	CHART INDUSTRIES	10667431	–	18	MANU–FACTURER	MOUNT 6"W x 7"H. BOX @ 6'–0" AFF TO BOX CENTER LINE	
39.10		1	ICE MACHINE – 1400 LB.	MANITOWOC	IYT1500N3/ D970	SA4027	12	KES	USE HEADMASTER KIT K00221	
39.15		2	ICE MACHINE – 1000 LB.	MANITOWOC	IBT1020C–161	SA4027	12	KES	CONDENSER: CVDT1200	
40.00		1	ICE MACHINE CHASE	KES	4"x6"x48"	–	2	KES	CONCEALS WATER AND CONDENSING UNIT LINES	
41.06		1	ICE MACHINE REMOTE CONDENSER – 1400 LB.	MANITOWOC	JCT–1500	SA4027	12	KES	–	
41.09		2	ICE MACHINE REMOTE CONDENSER – 1000 LB.	MANITOWOC	CVDT1200–263A	SA4027	12	KES	–	
43.21		1	OPTIMIZED ORDER ASSEMBLY TABLE	KES	90001	E152097	2	KES	–	
44.46		1	SMALL RISER SHELF – 18" TO 30"	FRANKE	18006010	–	2	KES	–	
45.20		1	MODULAR BEVERAGE CABINET – 10'–0"	KES	–	–	2	KES	–	
45.21		1	BEVERAGE CABINET – DRIVE–THRU TABLE 35"	KES	–	–	2	KES	–	
46.00		1	CUP DISPENSER VERTICAL 3 CUP	KES	–	–	2	KES	–	
46.02		1	SYRUP BOTTLE RACK – (5) SYRUP PUMPS	PRONTO	–	–	2	KES	–	
49.00		1	CO2 FILL BOX – 6 1/2"W x 18"H	CHART INDUSTRIES	8512629	–	–	MANU–FACTURER	SEE EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT. INSTALLED BY GC	
51.03		3	CUP LID HOLDER 3 HIGH S/S	KES	–	–	2	KES	–	
51.04		2	CUP LID HOLDER SINGLE STACK 8" HIGH	KES	–	–	2	KES	–	
52.01		1	REMOTE CONDENSING UNIT – 50MR04	MULTIPLEX	TS–0895	SA2298	–	KES	ORDER PRE–CHARGE LINE #204017 – VIF LENGTH FROM UNIT TO SODA SYST.	
61.00		1	FRY BAGGING STATION 36"	KES	FB25A	E99018	2	KES	–	
65.30		1	3–VAT LOV FRYER – ELECTRIC – F/F/F	HENNY PENNY	LVE–203	E30993	4	KES	–	IDLE ENERGY RATE=0.73kW, ENERGY EFFICIENCY=87%
66.47		1	4–VAT LOV FRYER – ELECTRIC – S/S/S/S	HENNY PENNY	LVE–204	E30993	4	KES	–	IDLE ENERGY RATE=0.73kW, ENERGY EFFICIENCY=87%
69.00		2	CAPTURE JET PLENUM – FRYER	HALTON	CJP–F	MH27607	2	KES	ATTACH TO UNIVERSAL EXHAUST HOOD	
69.01		2	CAPTURE JET PLENUM – GRILL	HALTON	CJP–G	MH27607	2	KES	ATTACH TO UNIVERSAL EXHAUST HOOD	
73.00		1	UNIVERSAL EXHAUST HOOD 3–VAT FRYER	KES	UH–50	MH12755	2	KES	–	
79.23		1	UNIVERSAL EXHAUST HOOD FULL–CLAM/4–VAT FRYER	KES	UH–122	MH12755	2	KES	–	
79.26		2	VENTLESS HOOD FOR COMBI OVEN	CONVOTHERM	CONOVENT MINI 6.10	E325060	2	KES	–	
80.00		1	MECHANICAL CHASE	KES	9"x18" SGCL.	E163328	2	KES	–	
80.08		1	MECHANICAL CHASE	KES	9"x32" SGCL.	E163328	2	KES	–	
81.00		1	PROTEIN LOADING STATION KIT	KES	272436	–	2	KES	–	
81.01		1	PRODUCT LANDING SHELF – SOLID TOP	KES	–	–	2	KES	–	
82.00		1	LANDING TABLE	INTERMETRO	TLDP–S	–	2	KES	–	
85.05		1	FROZEN FRY DISPENSER	RAM	280–FP	E140753	4	KES	–	
91.02		1	WALL MOUNT FREEZER UNIT–SINGLE WIDE–HIGH CAPACITY	KES	HCWF1	SA7329	7	KES	AIR–COOLED, SELF–CONTAINED – MOUNT BOTTOM AT 51" AFF	HCWF1.99A INSTALL HARDWARE KIT REQUIRED
93.00		1	UNIVERSAL EXHAUST HOOD FULL–CLAM GRILL	KES	UH–43	MH12755	2	KES	–	
96.21		2	36" NEXT GEN 3–PLATEN CLAMSHELL GRILL – ELECTRIC	GARLAND	ME–3PX	E28898	4	KES	–	
97.08		1	MEAT FREEZER – DOUBLE WIDE – HIGH CAPACITY – RIGHT HAND	KES	HCMF30B–RH	SA6032 S	2	KES	AIR–COOLED, SELF–CONTAINED	
99.01		2	GRILL TOOL ORGANIZER – 43" HOOD	KES	–	–	2	KES	–	
110.01		1	OPTIMIZED BREAKFAST TABLE	KES	OBT	–	2	KES	–	
114.00		1	HUMIDIFIED HOLDING CABINET	MOFFAT	HP10T–LMD	197	4	KES	–	
116.23		2	UNIVERSAL HOLDING CABINET – HIGH DENSITY – 2–SIDED – PIN & SLEEVE	FRYMASTER	UHCHD6T	E44571	4	KES	–	
117.30		1	UHC TABLE COPL – 2 SIDED – 51"D x 34"W – PIN&SLEEVE	KES	91011	–	2	KES	–	
118.00		1	Q'ING OVEN – PIN & SLEEVE	AMANA	MC23MPW2	E40456	4	KES	–	
118.03		2	Q'ING OVEN – PIN & SLEEVE	ACP	MCMOC24	–	4	KES	–	
122.27		1	NEXT GEN. UNIVERSAL RADIANT TOASTER – PIN & SLEEVE	ANTUNES	HRT–5H	–	4	KES	–	
122.28		1	NEXT GEN. UNIVERSAL CONTACT TOASTER – PIN & SLEEVE	ANTUNES	HCT–5H	–	4	KES	–	
123.36		1	ECU TABLE – COPL	KES	90165	–	2	KES	–	
123.37		1	BREAKER PANEL– 125 AMP – 1 PHASE – EQUIPMENT MOUNTED	KES	–	–	–	KES	–	
123.40		1	PREP TABLE – HD – 2–SIDED COPL – 38"D x 83 1/2" – PIN & SLEEVE W/REF.	KES	91010	–	2	KES	–	
125.00		2	RAPID BUN STEAMER	PRINCE CASTLE	625–MFY	–	4	KES	–	
130.00		2	COMBI OVEN	CONVOTHERM	MS6102083LCMD1	E360598	4	KES	–	0.89kW, 69% STEAM MODE, 0.61kW, 81% CONVECTION MODE
134.02		1	VEGETABLE SINK	KES	SK04–4	–	2	KES	PROVIDE W/ BOWL COVER	
139.04		1	COMBI OVEN STAND – DOUBLE WIDE	KES	–	–	2	KES	–	
151.12		1	CLEAN DISHTABLE – LEFT HAND – 28.23"	KES	SK–SPL	–	2	KES	–	
151.46		1	SOILED DISHTABLE – RIGHT HAND – 90.5" WIDE	KES	SK–SPL	–	2	KES	–	
152.04		1	WAREWASHER HOOD	KES	–		3		TYPE 2 HOOD FOR NON GREASE APPLICATION – REQUIRED PER CODE	
152.08		1	WAREWASHER – HIGH TEMP	HOBART	AM16SVLT–1		3	MANU–FACTURER	–	IDLE ENERGY RATE=0.31kW, WATER CONSUMPTION=0.67 GAL./RACK
153.00		1	SCULLERY SHELVING KIT – 3 TIER – 14" x 36"	INTERMETRO	SHSS–4	–	2	KES	–	
153.04		1	SMALLWARE WALL ORGANIZER	INTERMETRO	SW1812–MPS	–	2	KES	–	
153.06		1	REUSABLE DRYING RACK	INTERMETRO	MCD2124–DRY6	–	2	KES	–	
154.00		1	BRUSH CABINET	KES	8047	–	4	KES	–	
157.00		1	TRASH LINER DISPENSER SHELF	KES	A0053	–	2	KES	–	
159.03		1	UNIVERSAL PARTS CART – 36" W	INTERMETRO	MCD–1836UPC	–	2	KES	–	
160.01		4	CHEMICAL SYSTEM	ECOLAB	–	–	–	MANU–FACTURER	–	
163.00		2	FIRE EXTINGUISHER – 5 LB. – ABC	ANSUL	SEE RMKS	–	–	SEE RMKS	LOCAL ANSUL AGENT SPECIFIES, SUPPLIES & LOCATES PER LOCAL CODE	
163.01		2	FIRE EXTINGUISHER – 6 L. – K GUARD	ANSUL	SEE RMKS	–	–	SEE RMKS	LOCAL ANSUL AGENT SPECIFIES, SUPPLIES & LOCATES PER LOCAL CODE	
163.02		4	REMOTE ANSUL PULL	ANSUL	4835	EX3470	–	SEE RMKS	CODE MAY REQUIRE LOCAL ANSUL AGENT TO SUPPLY	
171.01		1	WALK–IN COOLER / FREEZER FLOORLESS	NORLAKE	–	E42763	7	KES	–	
174.36		1	REMOTE CONDENSING UNIT	BOHN	BCH0010MBAC2C0225	SA4272	–	KES	BEACON II/INTELLIGEN SYSTEM	
174.45		1	REMOTE CONDENSING UNIT	BOHN	BCH0055LCAC2C0225	SA4272	–	KES	BEACON II/INTELLIGEN SYSTEM	
175.18		1	COOLER EVAPORATOR	BOHN	BEL0095BS6AMAD0096	SA1525	–	KES	INTELLIGEN EVAPORATOR	
176.27		1	FREEZER EVAPORATOR	BOHN	BEL0170BS6EEAD0096	SA1525	–	KES	INTELLIGEN EVAPORATOR	
177.03		1	REACH–IN REFRIGERATOR–SINGLE WIDE	BEVERAGE AIR	HR1HC–1HS	SA2651	7	KES	–	
178.05		3	REACH–IN FREEZER – SINGLE WIDE	BEVERAGE AIR	HF1HC–1HS	SA2651	7	KES	–	
181.13		1	REFRIGERATOR – SPECIALTY COFFEE– 27" WIDE	TRUE	TUC–27 MCDCF1	SA33040	7	KES	RIGHT–HAND HINGED	

x = Optional Equipment VIF = Verify in Field
GC = General Contractor
R = Relocated Equipment

EQUIPMENT SCHEDULE

ITEM	O	QTY	DESCRIPTION	MANUFACTURER	MODEL #	UL	NSF	FURNISHED	GENERAL REMARKS	SPECIAL REQUIREMENTS
181.14		1	REFRIGERATOR – WORKTOP – 48" WIDE	TRUE	TWT–48 MCD1	SA4065	7	KES	–	
183.00		2	REFRIGERATOR/FREEZER – 2 DRAWER BASE – 30" W X 33" H	KES	18012498	SA4044	7	KES	–	
183.02		3	REFRIGERATOR/FREEZER – 2 DRAWER BASE – 30" W X 30" H	KES	18021304	SA4044	7	KES	–	
187.72		1	FREEZER SHELVING 24" x 42" x 74" H. – 4–TIER	ISS SHELVING	FSMS/FSMA742442E	–	2	KES	–	
187.75		2	FREEZER SHELVING 24" x 60" x 74" H. – 4–TIER	ISS SHELVING	FSMS/FSMA742460E	–	2	KES	–	
188.00		3	DUNNAGE RACK 22" x 36"	INTERMETRO	HP2336PD	–	2	KES	–	
188.07		1	UNIVERSAL STAGING CART	ISS SHELVING	WST1384Y	–	2	KES	–	
188.08		3	DUNNAGE RACK 22" x 30"	INTERMETRO	HP2230PD	–	2	KES	–	
188.09		5	DUNNAGE RACK 22" x 48"	INTERMETRO	HP2248PD	–	2	KES	–	
189.71		1	COOLER SHELVING 24" x 36" x 74" H. – 4–TIER	ISS SHELVING	FSMS/FSMA742436E	–	2	KES	–	
189.72		1	COOLER SHELVING 24" x 42" x 74" H. – 4–TIER	ISS SHELVING	FSMS/FSMA742442E	–	2	KES	–	
189.73		2	COOLER SHELVING 24" x 48" x 74" H. – 4–TIER	ISS SHELVING	FSMS/FSMA742448E	–	2	KES	–	
189.75		1	COOLER SHELVING 24" x 60" x 74" H. – 4–TIER	ISS SHELVING	FSMS/FSMA742460E	–	2	KES	–	
191.01		3	VALANCE SHELVING – 18" x 48"	INTERMETRO	M1848C–MP	–	2	KES	MOUNT AT 6'–8"AFF TO SHELF BOTTOM UNLESS OTHERWISE NOTED	
191.02		1	VALANCE SHELVING – 18" x 60"	INTERMETRO	M1860C–MP	–	2	KES	MOUNT AT 6'–8"AFF TO SHELF BOTTOM UNLESS OTHERWISE NOTED	
191.03		1	VALANCE SHELVING – 18" x 30"	INTERMETRO	M1830C–MP	–	2	KES	MOUNT AT 5'–0"AFF TO SHELF BOTTOM FOR ABOVE WASHER APPLICATION	
191.04		1	VALANCE SHELVING – 18" x 36"	INTERMETRO	M1836C–MP	–	2	KES	MOUNT AT 5'–0"AFF TO SHELF BOTTOM –W/ST STL LINER FOR SALAD EQUIP	
194.35		3	DRY SHELVING 26" x 88" x 84" H.– 4–TIER – MOBILE	DENSTOR	–	–	2	KES	–	
194.49		1	DRY SHELVING 26" x 76" x 84" H.– 4–TIER – FIXED	DENSTOR	–	–	2	KES	–	
195.35		2	DRY SHELVING 26" x 88" x 84" H.– 5–TIER – MOBILE	DENSTOR	–	–	2	KES	–	
195.50		1	DRY SHELVING 26" x 88" x 84" H.– 5–TIER – FIXED	DENSTOR	–	–	2	KES	–	
196.06		1	SAFE – STANDARD BLDG. – LEFT HINGE	NKL	BSD4125FGXL–MC	–	–	OWNER	–	
197.00		2	STAINLESS STEEL HAND SINK	ADVANCE TABCO	7–PS–61	–	2	GC	REFER TO PLUMB. DWGS. FOR DETAILS, SOAP & TOWEL DISP. BY OTHERS	PROVIDE SIDE SPLASHES (7–PS–11) WHEN REQUIRED BY LOCAL CODE
197.01		1	HAND WASH TIMER	NATIONAL CONTROLS	TMD–T1715–120	E53595	–	KES	–	
197.03		2	STAINLESS STEEL HAND SINK – ADA	ADVANCE TABCO	7–PS–26	–	2	GC	REFER TO PLUMB. DWGS. FOR DETAILS, SOAP & TOWEL DISP. BY OTHERS	PROVIDE SIDE SPLASHES (7–PS–11D) WHEN REQUIRED BY LOCAL CODE
201.13		1	DRIVE–THRU CASH STAND – 21" D x 48" W	INTERMETRO	DT48–8	–	2	KES	SOLID WORK TOP, WIRE SHELVES	
201.15		1	READY NEXT DRIVE–THRU ASSEMBLY CART – 12" D x 36" W	INTERMETRO	DTPC–36	–	2	KES	–	
201.16		2	DRIVE–THRU ABS CART – LEFT HAND	KES	–	–	2	KES	ABS DRINK STAGING CART WITH TROUGH	
201.18		2	CBB STAGING CART	INTERMETRO	MCD–CBB	–	2	KES	–	
201.21		1	BLZ FRONT COUNTER TABLE – 30" D x 14" W	INTERMETRO	MCD1430–BLZM	–	2	KES	W/ CASTERS AND OVERSHELF	
203.01		1	HEAT TREAT COMBINATION SHAKE/SUNDAE MACHINE	CARPIGIANNI	K3	SA4203	6	KES	SUPPLIED WITH CONE DISPENSER AND 7'–6" LONG CORD	
203.03		2	CUP/CONE DISPENSER	KES	–	–	2	KES	–	
205.08		1	BIC MACHINE	MULTPLEX	MA–8–2	SA12070	6	KES	–	
205.09		1	FROZEN BEVERAGE DISPENSER	IMI CORNELIUS	VIPER 3	SA2128	6	KES	–	
206.01		1	SPECIALTY BEVERAGE STANDOFF SHELF	KES	KES	–	2	KES	MOUNT SHELF @ 2'–6" AFF	
207.01		1	BLENDER – RAIL MOUNT – MCFLURRY	VITAMIX	056385	–	8	KES	SUPPLIED MOUNTING BRACKETS	
207.09		1	DESSERT BUTLER	KES	–	–	2	KES	–	–
211.00		1	DELIVERY TABLET	APPLE	IPAD	–	–	DELIVERY PARTNER	QUANTITY DEPENDENT UPON NUMBER OF DELIVERY PARTNERS	
214.02		1	82" 44U STATIONARY RACK	BY OWNER	BY OWNER	OEM	–	OWNER	–	
215.00		1	POS REGISTER – FRONT COUNTER	BY OWNER	BY OWNER	OEM	–	OWNER	INCLUDES MONITOR AND CPU	
215.02		4	POS REGISTER – 2 WINDOW D/T	BY OWNER	BY OWNER	OEM	–	OWNER	INCLUDES MONITOR AND CPU	
215.04		8	POS – KVS MONITOR	BY OWNER	BY OWNER	OEM	–	OWNER	–	
215.07		1	POS REGISTER – DELIVERY	BY OWNER	BY OWNER	OEM	–	OWNER	–	
216.00		8	POS – VIDEO MONITOR	BY OWNER	BY OWNER	E106786	–	OWNER	SUPPORTS INSTALLED BY GC IF REQUIRED – MOUNT @ 5'–8" AFF	FOR APPLICATIONS ABOVE ABS, MOUNT AT 6'–6" AFF
217.13		3	MERGE POINT MONITOR (DOUBLE DRIVE–THRU)	BY OWNER	BY OWNER	–	–	OWNER	MONITORS ARE REQUIRED FOR SIDE BY SIDE DRIVE THRU SYSTEM	–
217.14		1	POS – ORDER MONITOR (DOUBLE DRIVE THRU)	BY OWNER	BY OWNER	E106786	–	OWNER	SUPPORTS INSTALLED BY GC IF REQUIRED – MOUNT @ 5'–8" AFF	
217.19		1	WIRELESS HEADSET BASE STATION	HME	NEXEO HDX	–	–	OWNER	–	
217.24		1	DANGER POINT MONITOR (DOUBLE DRIVE–THRU)	BY OWNER	BY OWNER	–	–	OWNER	MONITORS ARE REQUIRED FOR SIDE BY SIDE DRIVE THRU SYSTEM	
217.26		1	ZOOM TIMER	HME	ZOOM NITRO	–	–	OWNER	–	
219.00		4	POS – RECEIPT PRINTER	BY OWNER	BY OWNER	OEM	–	OWNER	–	
219.05		7	STICKY LABEL PRINTER	BY OWNER	BY OWNER	OEM	–	OWNER	–	–
219.06		1	LABELING SYSTEM	TRANSACT	9700	–	–	KES	–	
220.00		1	POS – COIN DISPENSER	BY OWNER	BY OWNER	OEM	–	OWNER	–	
221.01		1	77" 38U ROLLING RACK	PARAGON	PRMCD77CA	OEM	–	OWNER	–	
221.09		1	O/O EQUIPMENT RACK	TRIPP–LITE	SRW12USDP	–	–	OWNER	AVAILABLE THROUGH POS SUPPLIER	
222.01		1	TIME CLOCK	BY OWNER	BY OWNER	OEM	–	OWNER	–	
223.07		1	WASHER – ELECTRIC	WHIRLPOOL	CAE2793BQ	–	–	KES	–	
225.03		1	OFFICE PACKAGE/DESK UNIT	DENSTOR	2000–0100	–	–	KES	WORK SURFACE 75", (1) DESK PEDESTAL W/ 2 DRAWERS AND (1) PEDESTAL W/ 3 DRAWERS	
225.04		1	OFFICE PACKAGE/ 2–WALL CABINETS	DENSTOR	2000–0200	–	–	KES	–	
225.05		1	OFFICE PACKAGE/HIGH WORK SURFACE	DENSTOR	2000–0300	–	–	KES	W/ (6) L–BRACKETS – WORK SURFACE IS 75" W. – CUT IN FIELD IF REQUIRED	
225.06		1	OFFICE PACKAGE W/3 DRAWER LATERAL FILE	DENSTOR	2000–0400	–	–	KES	–	
226.08		4	CREW LOCKERS –12" x 12" x 18" (6 HIGH)	DENSTOR	3–121278	–	2	KES	–	
226.09		1	CREW SMART LOCKERS	DENSTOR	C3	–	–	KES	LOCATED IN CREW ACCESSORY CABINET	
237.00		1	PIE DISPLAY	PRINCE CASTLE	324–MCDC	E341354	4	KES	PROVIDE WITH S/S PANEL	
700.02		2	MOP SINK	GC	–	–	2	GC	PROVIDE WITH S/S WALL PANELS @ 36" A.F.F.	
700.07		1	WATER HEATER – GAS	GC	SEE RMKS	–	2	GC	REFER TO PLUMB. DWGS. FOR DETAILS	
700.09		1	ECONOMY OEP BOX W/MOUNTING HARDWARE	ACS	OEP–6	E71309	–	KES	6" W. x 24" D.	
700.10	X	1	BULK OIL SYSTEM	RTI	BI–3F	SEE RMKS	4	MANU–FACTURER	IF AVAILABLE IN MARKET – ETL ELECTRICAL RATING: 9900762	
700.11		1	OEP UTILITY PANEL W/ MOUNTING HARDWARE – STATIC BOX	H&K DALLAS	–	–	–	H&K DALLAS	2'–4"x2'–4" x4" HIGH BOX	
700.18	X	1	BULK OIL FILL BOX – 8"Wx10"H	RTI	–	–	–	MANU–FACTURER	SEE EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT, INSTALLED BY GC	

SEE SHEET K2.0 FOR EQUIPMENT LAYOUT AND TAG IDENTIFICATION

1 / K2.1 KITCHEN SCHEDULE

REV	DATE	DESCRIPTION	BY
G	12/23/25	DECOR	AL
F	12/12/25	STRUCTURAL CLARIFICATION	AL
E	09/26/25	CITY CMNTS.	AL
D	08/04/25	CITY CMNTS.	AL
C	07/11/25	CITY CMNTS.	AL
.	02/26/25	PERMIT SET	AL
.	12/06/24	BID SET	AL

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McDonald's USA, LLC

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REVIEWED BY KD | DATE ISSUED 02 26 2025
Roll 24247

TITLE: 2024 STANDARD BUILDING – BB20 4584–WOOD/WOOD
DESCRIPTION: WOOD BEARING WALLS W/BRICK EXTERIOR FINISH & CI WOOD TRUSS ROOF FRAMING E.I.F.S./BATTEN/BRICK EXTERIOR FINISH
NSN: 43016 | SITE ADDRESS: 8650 N. Indiana Avenue, Kansas City, MO 64156
L/C: 024–1306

SHEET NO. 024–1306.00.G
K2.1
KITCHEN SCHEDULE