

# 2021 45114-WW BUILDING BB20

## NASHVILLE FIELD OFFICE

### BUILDING INFORMATION:

**ADDRESS:**  
 STATE SITE CODE: 024-1289  
 STREET ADDRESS: 1000 S MAIN ST.  
 CITY: SALEM  
 COUNTY: ST. LOUIS  
 STATE: MISSOURI

**STRUCTURE:**  
 WOOD LOAD BEARING WALLS, WOOD ROOF FRAMING

**UTILITIES:**  
 ELECTRIC GRILLS & ELECTRIC FRYERS  
 ELEC HVAC & ELEC WATER HEATER

**BUILDING CODE:**  
 BUILDING CODE EDITION: INTERNATIONAL BUILDING CODE 2015  
 MECHANICAL CODE EDITION: INTERNATIONAL MECHANICAL CODE 2015  
 ELECTRICAL CODE EDITION: NATIONAL ELECTRICAL CODE 2017  
 PLUMBING CODE EDITION: INTERNATIONAL PLUMBING CODE 2015  
 ENERGY CODE EDITION: INTERNATIONAL ENERGY CONSERVATION CODE 2015  
 FIRE/LIFE SAFETY CODE EDITION: INTERNATIONAL FIRE CODE 2015  
 FUEL/GAS CODE EDITION: INTERNATIONAL FUEL GAS CODE 2015  
 HEALTH CODE EDITION: XXXXXXXXXXXX HEALTH CODE  
 ACCESSIBILITY CODE EDITION: ANSI 117.1 2009

**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: 5,141 GROSS S.F.  
 BASE BUILDING: 4,910 NET S.F.

**DESIGN LOADS:**  
 GROUND SNOW LOAD: 20 PSF  
 WIND SPEED: 115 MPH (EXPOSURE B)  
 SEISMIC DESIGN CATEGORY: C  
 SOIL BEARING CAPACITIES: 2000 PSF (STRIP FOOTING)  
 2400 PSF (COLUMN FOOTING)

**LIFE SAFETY SYSTEM:**

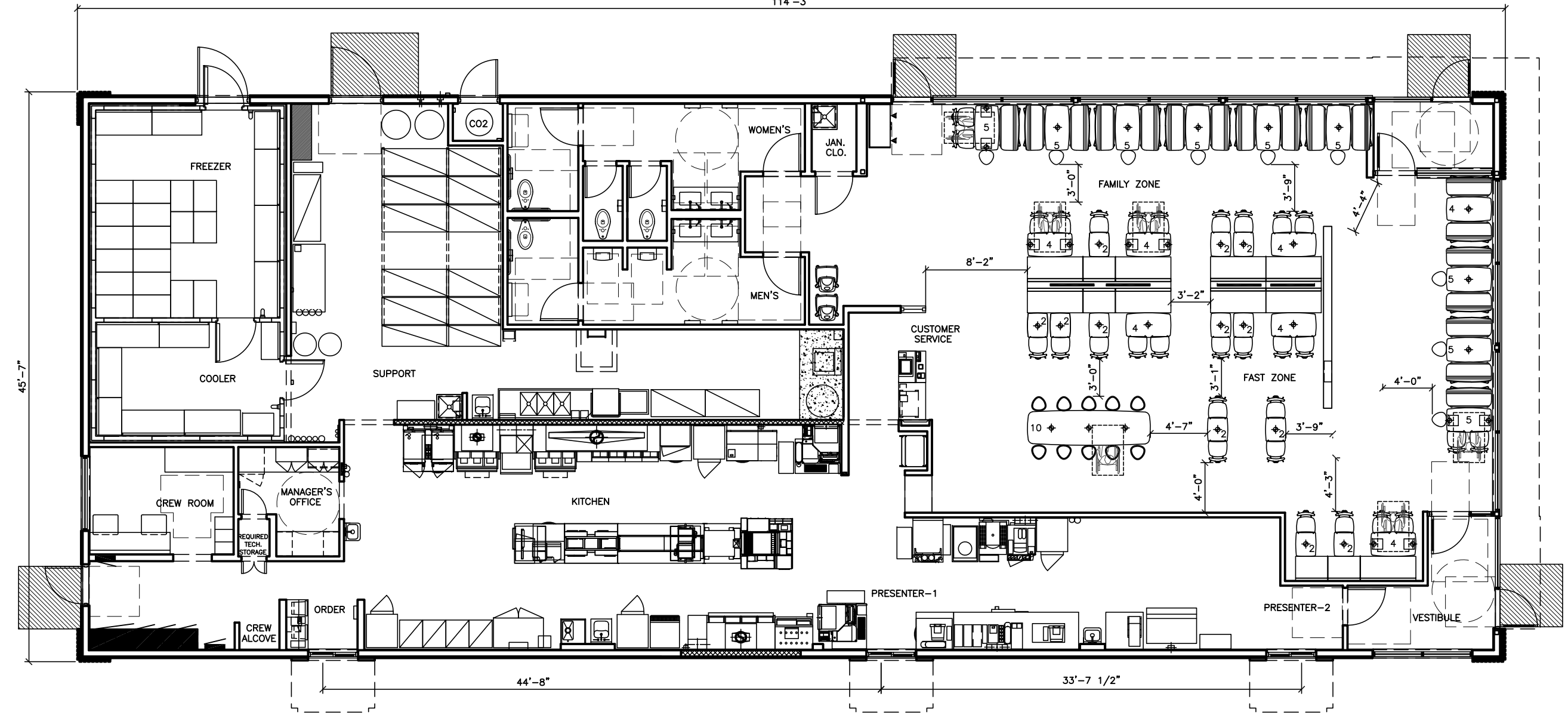
EMERGENCY LIGHTING:	_____	YES	_____	NO
EXIT SIGNS:	_____	YES	_____	NO
FIRE ALARM:	_____	YES	_____	NO
DUCT SMOKE DETECTORS W/ AUDIBLE/VISIBLE DEVICE:	_____	YES	_____	NO
FIRE SPRINKLERS:	_____	YES	_____	NO
SPRINKLER FLOW/TAMPER SWITCH W/ AUDIBLE/VISIBLE DEVICE:	_____	YES	_____	NO
CO2 DETECTION SYSTEM W/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

**DESIGNER OF RECORD:**

DISCIPLINE:	NAME:	EMAIL ADDRESS:	PHONE #:	LICENSE #:
ARCHITECT:	ROBERT D. KEMPKE	bob@taylorkempkes.com	501-624-5679	2006012350
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MECHANICAL:	DAVID M. LEIFFER	dleiffer@core-eng.com	479-877-3465	2013011214
PLUMBING:	DAVID M. LEIFFER	dleiffer@core-eng.com	479-877-3465	2013011214
ELECTRICAL:	JOHN D. FERGUSON	jferguson@core-eng.com	479-877-3438	2008014085

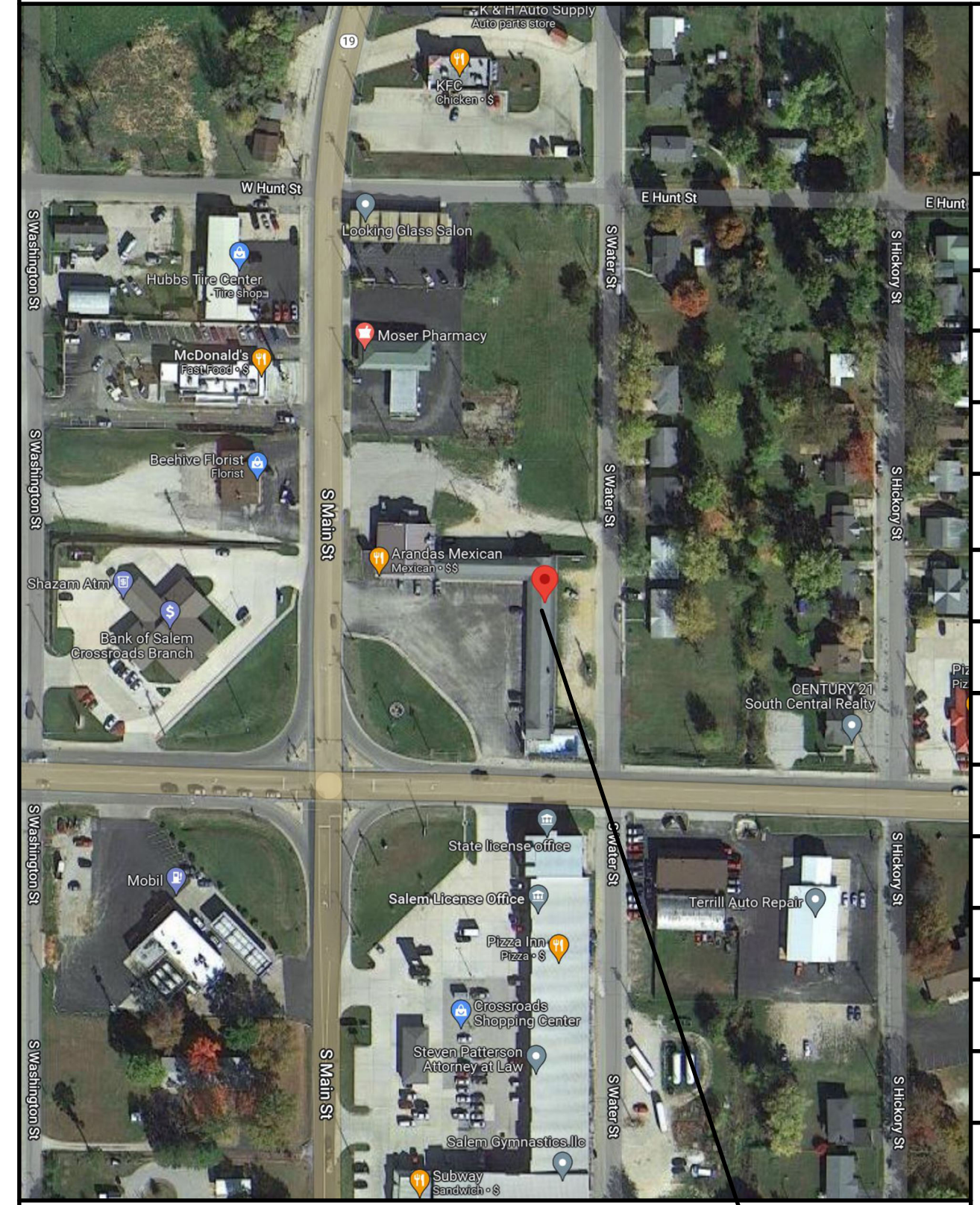
**CONSTRUCTION PROJECT MANAGER:**

NAME:	ADDRESS:	EMAIL:	PHONE #:
MANAGER:	AMY SWITZER	McDonald's USA, LLC,	Amy.Switzer@us.mcd.com (913) 660-2205



45114 WW PLAN  
 102 SEATS (6 ACCESSIBLE SEATS)

**THIS DRAWING IS  
 FOR REFERENCE ONLY  
 NOT FOR CONSTRUCTION**



VICINITY MAP: SITE

### OCCUPANCY ALLOWANCE:

INTERNATIONAL BUILDING CODE 2015

TABLE 1004.1.2  
 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

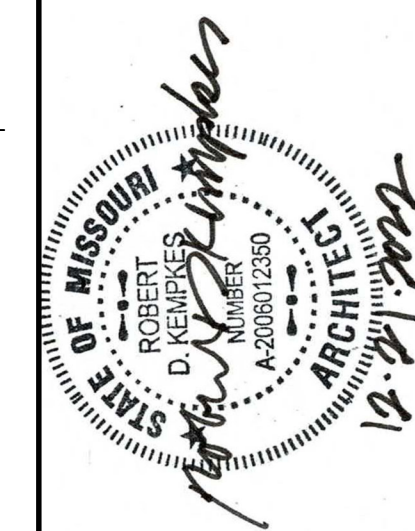
FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANTS
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	598 SF	2
ASSEMBLY WITH FIXED SEATS	SEE PLAN	-	102
ASSEMBLY W/OUT FIXED SEATS STANDING SPACE	5 NET	173 SF	35
BUSINESS AREAS	100 GROSS	60 SF	1
KITCHENS, COMMERCIAL	200 GROSS	-	17
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TOTAL OCCUPANCY ALLOWANCE			157

### SYMBOL LEGEND:

- |  |               |  |                    |
|--|---------------|--|--------------------|
|  | SECTION TAG   |  | DOOR TAG           |
|  | DETAIL TAG    |  | ROOM NAME & NUMBER |
|  | ELEVATION TAG |  | PARTITION TAG      |

**DETAIL**  
 6  
 1 1/2" = 1'-0" DRAWING NUMBER

REVISIONS		DRAWING INDEX
	A	T1.0 Cover Sheet
		GN1.0 General Notes
		<b>DRIVE-THRU (FOR REFERENCE ONLY)</b>
		DT1.0 Drive-Thru Plan & Details
ARCHITECTURAL		
	A	A1.0 Partial Floor Plan
	A	A1.1 Partial Floor Plan
		A1.2 Reflected Ceiling Plan
		A1.3 Roof Plan
		A2.0 Elevations
		A2.1 Elevations
		A3.1 Service Pod Plan & Details
		A4.0 Enlarged Restroom Plan & Details
		A4.1 Enlarged Plan Details
		A5.0 Wall Sections & Details
		A5.1 Wall Sections & Details
		A5.2 Wall Sections & Details
		A5.3 Wall Sections & Details
		A6.0 Door & Hardware Schedules
		A6.1 Finish Schedules
STRUCTURAL		
		S1.0 Partial Foundation Plan
		S1.1 Partial Foundation Plan
	A	S1.2 Partial Roof Framing Plan
	A	S1.3 Partial Roof Framing Plan
		S2.0 Foundation Sections
		S3.0 Framing Sections
		S3.1 Steel Details
		S3.2 Framing Details
		S4.0 General Notes
MECHANICAL		
	A	M1.0 Mechanical Roof Plan
	A	M1.2 Ductwork Plan
	A	M1.4 Refrigerant & Gas Piping Plan
		M2.0 Exhaust Hoods
	A	M3.0 Mechanical Details
		M4.0 General Mechanical Notes
		M4.1 Mechanical Schedules
FIRE PROTECTION		
		FIRE PROTECTION PLAN - Provided by Others
PLUMBING		
	A	P1.0 Domestic Water Piping
		P1.2 Waste Vent & Storm Piping Plan
		P1.4 Underground Rough-in
		P1.6 Overhead Rough-in
		P2.0 Domestic Water Isometric
		P2.1 Waste & Vent Isometric
		P2.2 Storm Isometric
		P3.0 Details
		P4.0 General Notes
		P4.1 Schedules
ELECTRICAL		
		E1.0 POS Electrical Riser Diagram
	A	E1.1 Rough In Floor Plan
	A	E2.0 Partial Lighting Plan & Schedule
		E2.1 Partial Lighting Plan & Schedule
		E2.2 Electrical Roof Plan
		E3.0 Electrical Schedule
		E3.1 Electrical & Lighting Notes
		E3.2 Interlock Details
		E4.0 Wiring Details
		E4.1 Lighting Controls
		E4.2 Utilities Distribution
KITCHEN EQUIPMENT		
	A	K1.0 Kitchen Cover Sheet
	A	K2.0 Kitchen Equipment Plan
	A	K2.1 Kitchen Equipment Schedule
TRASH ENCLOSURE		
		TE1.0 Trash Enclosure



PREPARED BY:  
**Robert Kempkes**  
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DRAWN BY: S.O.	2022-08	REVIEWED BY: R.K.	DATE ISSUED: 12-21-2022	TITLE	2022 STANDARD BUILDING - BB20	SALEM, MO
	STD ISSUE DATE			45114-WOOD/WOOD		
				WOOD BEARING WALLS W/HARDBOARD SIDING WOOD ROOF TRUSS FRAMING EFS/BATTEN/ACM PANEL/HARDBOARD SIDING SITE ADDRESS 1000 S Main Street		
SHEET NO.				24-1289.00.0		
				<b>T1.0</b>		
				COVER		



# GENERAL NOTES

1. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, REGULATIONS, ORDINANCES AND STANDARDS INCLUDING ADA AND OR OTHER HANDICAP ACCESSIBILITY CODES.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER'S VENDORS REGARDING SCHEDULING ON SITE DURING CONSTRUCTION AND SEQUENCING OF THE WORK.
3. THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN INTENT AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
4. THE DRAWINGS ARE NOT TO BE SCALED. FOR INFORMATION CONCERNING EXISTING CONDITIONS, ETC., VERIFICATION MUST BE DONE IN THE FIELD. LARGE SCALE DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS.
5. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL EXISTING ABOVE AND BELOW GRADE, UTILITIES, INCLUDING SANITARY SEWER, STORM SEWER, WATER, GAS, ELECTRICAL, TELEPHONE, ETC. ANY DISCREPANCIES IN UTILITY LOCATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
6. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY VARIANCE OR DISCREPANCY AFFECTING NEW CONSTRUCTION PRIOR TO PROCEEDING WITH WORK.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES, SIGNAGE, AND OTHER DEVICES REQUIRED.
8. ALL PENETRATIONS SHALL RECEIVE CAULKING TO SEAL ANY TYPE OF ENERGY LOSS.
9. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
10. UPON COMPLETION OF PROJECT, G.C. TO OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
11. SIGNS, UNLESS NOTED OTHERWISE, ARE PROVIDED BY OWNER'S SIGN CONTRACTOR. OWNER'S SIGN VENDOR WILL PROVIDE MONUMENT SIGN BASE (CONCRETE, STONE, BRICK, ETC.) IF PROJECT REQUIRES DECORATIVE BASE. SEE SHEET L-1 TO VERIFY IF REQUIRED. GENERAL CONTRACTOR TO PROVIDE ROUGH-IN & FINAL CONNECTION AND BRAILLE EXIT SIGN.
12. GENERAL CONTRACTOR TO PROVIDE FOUR (4) 30 YARD DUMPSTERS DURING McDONALD RETAIL MOVE-IN. (40 HOURS)
13. GENERAL CONTRACTOR SHALL PROVIDE ONE SKILLED LABORER FOR ONE WEEK DURING McDONALD RETAIL MOVE-IN. (40 HOURS)
14. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SET-UP AND COORDINATION OF ALL THE UTILITY SERVICES FOR THE PROJECT.
15. ALL EXTERIOR FLOOR PLAN DIMENSIONS ARE TO EXTERIOR FACE OF MASONRY UNLESS OTHERWISE NOTED. ALL INTERIOR FLOOR PLAN DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
16. FINAL KEYING TO BE COORDINATED WITH McDONALD FACILITY MANAGER AND PAID FOR BY McDONALD.
17. REFER TO "PROJECT MANUAL" FOR ALL OTHER INSTRUCTIONS & DIRECTIVES NOT SHOWN IN DRAWINGS.

# ABBREVIATIONS

## GENERAL ABBREVIATIONS

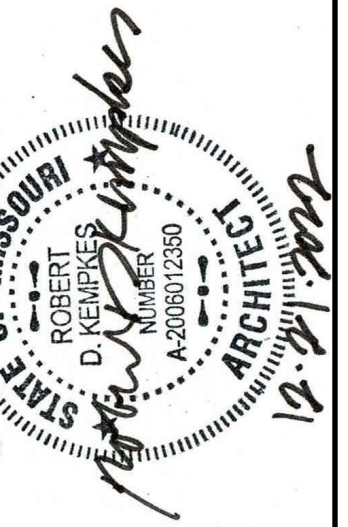
A	ANNEALED	INSUL	INSULATION
AC	AIR CONDITIONING	MAX	MAXIMUM
ACT	ACOUSTIC CEILING TILE	MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
AHU	AIR HANDLING UNIT	MIN	MINIMUM
AL	ALUMINUM	MO	MASONRY OPENING
ASPH	ASPHALT	MR	MOISTURE RESISTANT
CJ	CONTROL JOINT	MTL	METAL
CLNG	CEILING	NA	NOT APPLICABLE
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
COL	COLUMN	NOM	NOMINAL
CONC	CONCRETE	NTS	NOT TO SCALE
CONT	CONTINUOUS	OC	ON CENTER
CP	CONCRETE PAD	OPP	OPPOSITE
CT	CERAMIC TILE	OPT	OPTIONAL
CL	CENTERLINE	PF	PRE-FABRICATED
DBL	DOUBLE	PSF	POUNDS PER SQUARE FOOT
DF	DRINKING FOUNTAIN	PT	PRESSURE TREATED
DIA	DIAMETER	PTD	PAINTED
DIM	DIMENSION	QT	QUARRY TILE
DN	DOWN	R	RADIUS
DS	DOWNSPOUT	REBAR	REINFORCING BAR
EA	EACH	REF	REFERENCE
EJ	EXPANSION JOINT	REQD.	REQUIRED
ELEC	ELECTRICAL	RO	ROUGH OPENING
ELEV	ELEVATION	SB	SPLASHBLOCK
EQ	EQUAL	SIM	SIMILAR
EXIST	EXISTING	SPEC	SPECIFICATION
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FE	FIRE EXTINGUISHER	STL	STEEL
FEC	FIRE EXTINGUISHER CABINET	STOR	STORAGE
FF	FINISH FLOOR	SUSP	SUSPENDED
FR	FIRE RATED	T	TEMPERED
FRP	FIBERGLASS REINFORCED PLASTIC	TYP	TYPICAL
GALV	GALVANIZED	UNO	UNLESS NOTED OTHERWISE
GYP BD	GYPSTUM BOARD	VCT	VINYL COMPOSITION TILE
HC	HANDICAP	VERT	VERTICAL
HDW	HARDWARE	WD	WOOD
HM	HOLLOW METAL	WP	WATERPROOF
HT	HEIGHT	WWF	WELDED WIRE FABRIC
HVAC	HEATING, VENTILATION, AIR CONDITIONING		

## McDONALD'S ABBREVIATIONS

AP	APOLIC MENTAL PANEL	LAM	LAMINATE
BM	BRAKE METAL	LE	ACCENT LIGHTING
C	ALUMINUM CANOPY	LP	LOW POINT
CG	CORNER GUARD	LL	LEVEL LANDING
CT	WALL TILE		
DE	DECOR ELEMENT	MACHINE MANAGER	
DEVICE		MF	METAL FASCIA
DMB	DIGITAL MENU BOARD	MS	MOP SINK
DS	DROP SOFFIT	PB	PIPE BILLARD
D/T	DRIVE-THRU	PT	RMHC COIN COLLECTOR
FB	FILL BOX	RL	ROOF LADDER
F/C	FREEZER/COOLER	ROOM	
GC	GENERAL CONTRACTOR	S	McDONALD'S SIGNAGE
HP	HIGH POINT	SCH	SHUTTER
KIOSK		SSBB	SELF SERVE BEVERAGE BAR
L	LIGHT FIXTURE	UN	ALUMINUM CANOPY UNDERSCORE

## SYMBOL LEGEND:

	SECTION TAG		DOOR TAG
	DETAIL TAG		ROOM NAME & NUMBER
	ELEVATION TAG		PARTITION TAG
	<b>DETAIL</b> 1 1/2"=1'-0" DETAIL NUMBER		
	DRAWING TITLE		



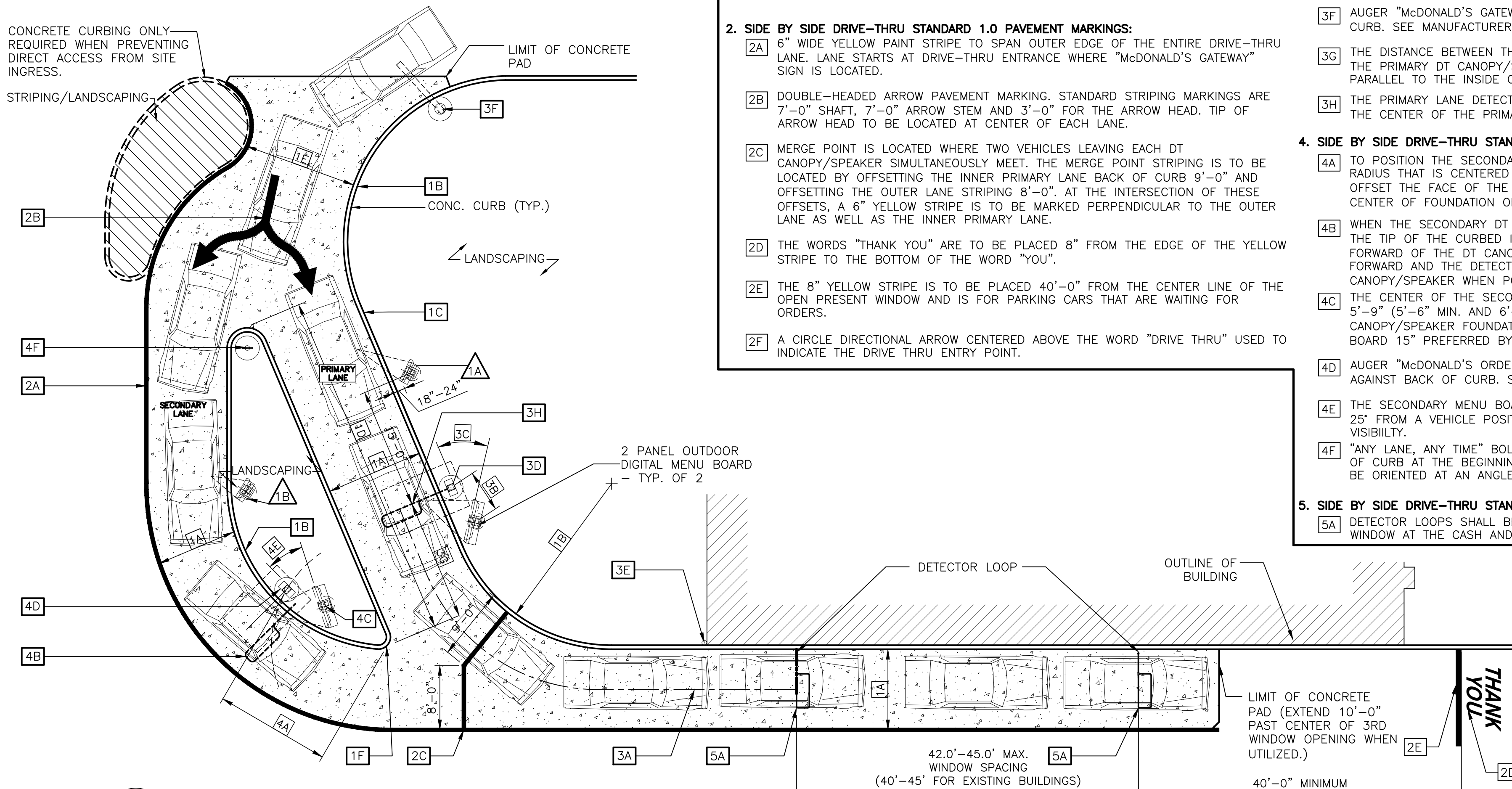
PREPARED BY:  
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PREPARED FOR:  
**McDonald's USA, LLC**  
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TITLE	2022 STANDARD BUILDING - BB20	TITLE	2022 STANDARD BUILDING - BB20
SHEET NO.	45114-WOOD/WOOD	DESCRIPTION	WOOD BEARING WALLS W/HARDBOARD SIDING WOOD ROOF TRUSS FRAMING EFS/BATTEN/ACM PANEL/HARDBOARD SIDING
DATE	2022_08	REVIEWED BY	R.K.
DATE ISSUED	12-21-2022	DATE ISSUED	12-21-2022
SITE ADDRESS	1000 S Main Street, SALEM, MO		



THE LAYOUT OF THE DRIVE-THRU LANES SHOWN IN THIS DETAIL ILLUSTRATES DRIVE-THRU DESIGN PRINCIPLES.



1 DRIVE THRU LAYOUT GUIDELINES  
DT1.0 1" = 10'-0"

**SIDE BY SIDE DRIVE-THRU STANDARD 1.0**

**1. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 CURBING DETAILS:**

- 1A DRIVE-THRU LANES BOUND BY CURB ON BOTH SIDES ARE TO BE 12'-0", LANES BOUND BY CURB ON ONE SIDE AND PAINTED STRIPING ON THE OTHER SIDE ARE TO BE A MIN. OF 10'-0".
- 1B THE MIN. RADIUS FOR ALL INSIDE/DRIVER'S SIDE DRIVE-THRU CURBING IS 20'-0".
- 1C PRIMARY LANE CURBING SHOULD BE AS STRAIGHT AS POSSIBLE. (LESS CURVING, THE BETTER).
- 1D THE OVERALL LENGTH OF THE CURBED ISLAND SHOULD BE 35'-45'. THE LENGTH OF THE ISLAND FROM THE DT CANOPY/SPEAKER ALLOWS FOR THREE CARS IN THE SECONDARY LANE, TWO IN THE PRIMARY LANE AND ONE AT THE COMMITMENT POINT.
- 1E ENTRANCE LANE ENTERING THE SIDE BY SIDE DRIVE-THRU IS TO BE 14'-0" MIN.
- 1F THE RADIUS FOR THE ISLAND TIP SHALL BE 1'-6".

**2. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 PAVEMENT MARKINGS:**

- 2A 6" WIDE YELLOW PAINT STRIPE TO SPAN OUTER EDGE OF THE ENTIRE DRIVE-THRU LANE. LANE STARTS AT DRIVE-THRU ENTRANCE WHERE "McDONALD'S GATEWAY" SIGN IS LOCATED.
- 2B DOUBLE-HEADED ARROW PAVEMENT MARKING. STANDARD STRIPING MARKINGS ARE 7'-0" SHAFT, 7'-0" ARROW STEM AND 3'-0" FOR THE ARROW HEAD. TIP OF ARROW HEAD TO BE LOCATED AT CENTER OF EACH LANE.
- 2C MERGE POINT IS LOCATED WHERE TWO VEHICLES LEAVING EACH DT CANOPY/SPEAKER SIMULTANEOUSLY MEET. THE MERGE POINT STRIPING IS TO BE LOCATED BY OFFSETTING THE INNER PRIMARY LANE BACK OF CURB 9'-0" AND OFFSETTING THE OUTER LANE STRIPING 8'-0". AT THE INTERSECTION OF THESE OFFSETS, A 6" YELLOW STRIPE IS TO BE MARKED PERPENDICULAR TO THE OUTER LANE AS WELL AS THE INNER PRIMARY LANE.
- 2D THE WORDS "THANK YOU" ARE TO BE PLACED 8" FROM THE EDGE OF THE YELLOW STRIPE TO THE BOTTOM OF THE WORD "YOU".
- 2E THE 8" YELLOW STRIPE IS TO BE PLACED 40'-0" FROM THE CENTER LINE OF THE OPEN PRESENT WINDOW AND IS FOR PARKING CARS THAT ARE WAITING FOR ORDERS.
- 2F A CIRCLE DIRECTIONAL ARROW CENTERED ABOVE THE WORD "DRIVE THRU" USED TO INDICATE THE DRIVE THRU ENTRY POINT.

**3. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 EQUIPMENT POSITIONING FOR PRIMARY LANE:**

- 3A MIN. 60'-0" (+5', 60'-65") LINEAR DISTANCE BETWEEN THE CENTER LINE OF THE DT CANOPY/SPEAKER FACE AND THE CENTER LINE OF THE OPEN ORDER BOOTH WINDOW AS MEASURED ALONG THE CENTER LINE OF THE LANE. THIS MAY ONLY BE INCREASED IN 20'-0" INCREMENTS (+5' FOR 80', 100', AND 120') TO A MAX OF 120'. 100'-0" IS OPTIMAL.
- 3B THE CENTER OF THE PRIMARY MENU BOARD FOUNDATION IS TO BE 5'-9" (5'-6" MIN. AND 6'-0" MAX.) FROM THE CENTER OF THE DT CANOPY/SPEAKER FOUNDATION WITH THE END CAP OF THE PRIMARY MENU BOARD 15" PREFERRED BUT NOT LESS THAN 12" FROM THE FACE OF CURB.
- 3C THE PRIMARY MENU BOARD SHOULD BE AT AN ANGLE OF APPROXIMATELY 25° TO 35° ANGLE (35° PREFERRED) FROM A CAR POSITIONED AT THE DT CANOPY/SPEAKER AND WITH 100% VISIBILITY.
- 3D AUGER "McDONALD'S ORDER HERE CANOPY" CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.
- 3E A SINGLE BOLLARD SHOULD BE POSITIONED AT THE CORNER OF THE BUILDING ON THE DRIVE-THRU SIDE. IT SHOULD BE FLUSH AGAINST THE BUILDING AND FACE OF THE BOLLARD SHOULD BE TIGHT AGAINST THE BACK OF THE CURB.
- 3F AUGER "McDONALD'S GATEWAY" SIGN FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.
- 3G THE DISTANCE BETWEEN THE TIP OF THE CURBED ISLAND AND THE CENTER LINE OF THE PRIMARY DT CANOPY/SPEAKER MUST BE 15'-0". THIS MEASUREMENT IS TAKEN PARALLEL TO THE INSIDE CURB FACE OF THE PRIMARY LANE.
- 3H THE PRIMARY LANE DETECTOR LOOP SHOULD BE PERPENDICULAR TO THE CENTER OF THE PRIMARY DT CANOPY/SPEAKER.

**4. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 EQUIPMENT POSITIONING FOR SECONDARY LANE:**

- 4A TO POSITION THE SECONDARY DT CANOPY/SPEAKER, DRAW AN ARC WITH A 14' RADIUS THAT IS CENTERED FROM THE MIDPOINT OF THE ISLAND TIP. THEN OFFSET THE FACE OF THE CURB BY 24" TO DETERMINE THE LOCATION OF CENTER OF FOUNDATION OF THE SECONDARY DT CANOPY/SPEAKER.
- 4B WHEN THE SECONDARY DT CANOPY/SPEAKER IS LOCATED AT 14'-0" FROM THE TIP OF THE CURBED ISLAND, THE LOOP DETECTOR IS TO BE 2'-0" FORWARD OF THE DT CANOPY/SPEAKER CENTER LINE WITH THE LOOP FACING FORWARD AND THE DETECTOR LOOP PERPENDICULAR TO THE SECONDARY DT CANOPY/SPEAKER WHEN POSSIBLE.
- 4C THE CENTER OF THE SECONDARY MENU BOARD FOUNDATION SHALL BE 5'-9" (5'-6" MIN. AND 6'-0" MAX.) FROM CENTER OF THE DT CANOPY/SPEAKER FOUNDATION WITH THE END CAP OF THE SECONDARY MENU BOARD 15" PREFERRED BY NOT LESS THAN 12" FROM FACE OF CURB.
- 4D AUGER "McDONALD'S ORDER HERE" DT CANOPY/SPEAKER FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.
- 4E THE SECONDARY MENU BOARD SHOULD BE AT AN ANGLE OF APPROXIMATELY 25° FROM A VEHICLE POSITIONED AT THE DT CANOPY/SPEAKER AND WITH 100% VISIBILITY.
- 4F "ANY LANE, ANY TIME" BOLLARD SIGN MUST BE A MIN. OF 1'-6" FROM FACE OF CURB AT THE BEGINNING OF THE LANDSCAPE ISLAND. BOLLARD SIGN IS TO BE ORIENTED AT AN ANGLE OF 90° FROM THE CURB.

**5. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 DETECTOR LOOP:**

- 5A DETECTOR LOOPS SHALL BE LOCATED AT THE CENTER OF THE OPENING WINDOW AT THE CASH AND PRESENTER BOOTHS.

**SIDE BY SIDE DRIVE-THRU STANDARD 1.0 FEATURES:**

**1. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 EQUIPMENT:**

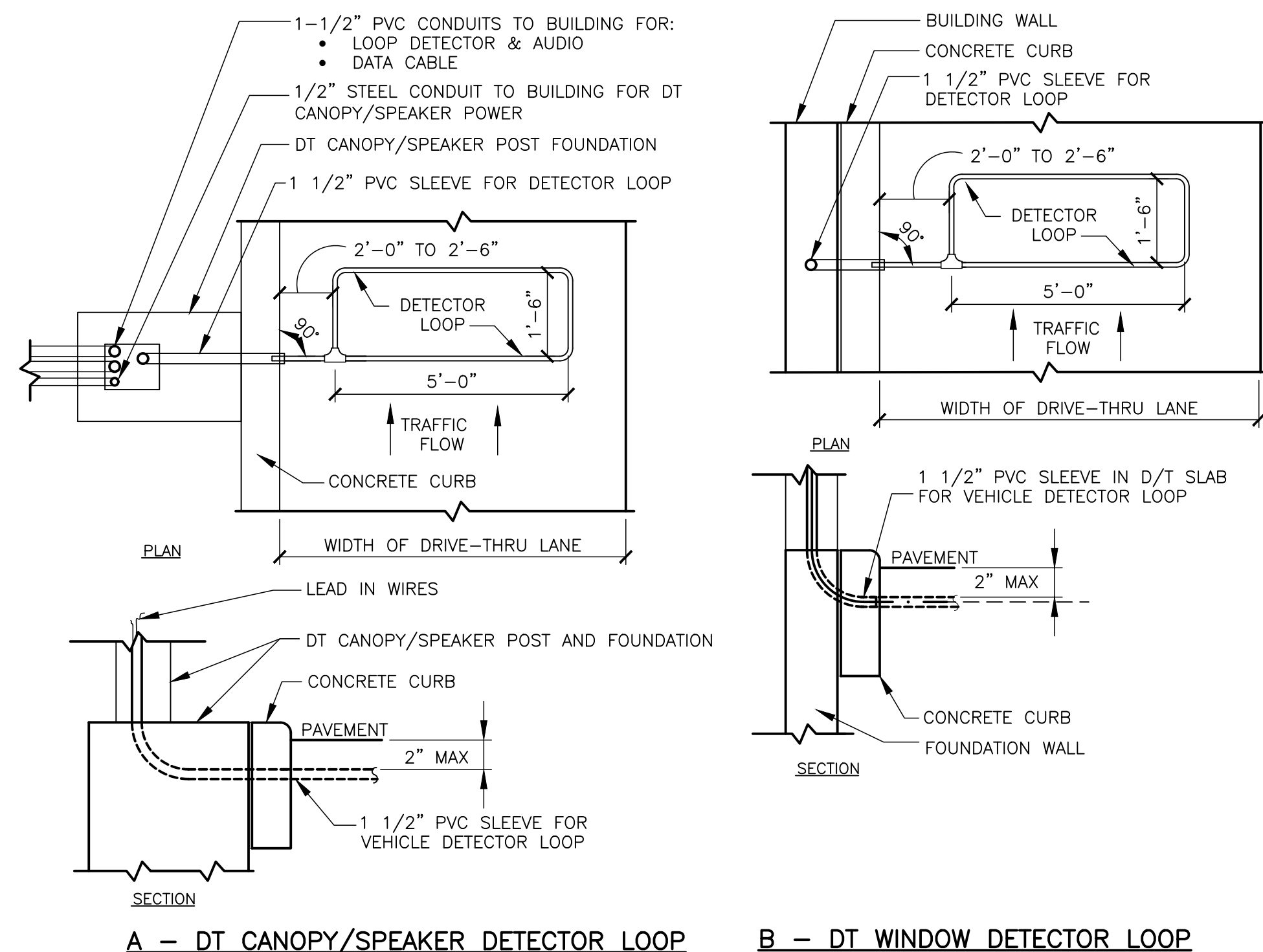
- 1A PRE-BROWSE BOARD MUST BE 18"-24" FROM FACE OF CURB. THE DISTANCE BETWEEN THE PRIMARY DT CANOPY/SPEAKER AND PRE-BROWSE BOARD IS TO BE 15' AS MEASURED ALONG THE FACE OF CURB. THIS IS MEASURED FROM THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE CENTER OF THE DT CANOPY/SPEAKER FOUNDATION. THE ANGLE (APPROXIMATELY 50°) OF THE PRE-BROWSE BOARD SHOULD MAXIMIZE VISIBILITY TO THE SECOND CAR FROM DT CANOPY/SPEAKER.
- 1B PRE-BROWSE BOARD MUST BE MIN. 12" FROM FACE OF CURB. THE DISTANCE BETWEEN THE SECONDARY DT CANOPY/SPEAKER AND PRE-BROWSE BOARD IS TO BE 15' AS MEASURED ALONG FACE OF THE CURB. THIS IS MEASURED FROM THE POINT PERPENDICULAR TO THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE POINT PERPENDICULAR TO THE CENTER OF THE DT CANOPY/SPEAKER FOUNDATION. THE ANGLE OF THE PRE-BROWSE BOARD SHOULD MAXIMIZE VISIBILITY TO THE SECOND CAR FROM DT CANOPY/SPEAKER (PREFERRED 35°).

**GENERAL NOTES**

- 1. DRIVE-THRU ELEMENTS: DT CANOPY/SPEAKER DRIVE-THRU PYLON/CLEARANCE POLE AND BOLLARD SIGN SHALL BE CONSISTENT WITH THE STANDARD BUILDING DESIGN DRIVE-THRU ELEMENTS. OTHER DESIGNS MAY NOT BE USED.
- 2. CONTRACTOR SHALL COORDINATE WITH APPLICABLE PLANS, McDONALD'S AREA CONSTRUCTION MANAGER, CONTENT SUPPLIER AND SIGNAGE SUPPLIER TO DETERMINE EXACT LOCATION, ORIENTATION, MOUNTING HEIGHTS, AND NUMBER OF BOARDS AND OTHER DRIVE-THRU ELEMENTS TO BE INSTALLED AT THIS SITE. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
- 3. CONTACT McDONALD'S AREA CONSTRUCTION MANAGER FOR DRIVE-THRU ELEMENT FOOTING AND WIRING REQUIREMENTS NOT SHOWN. (INFORMATION ALSO AVAILABLE THROUGH VENDOR WEBSITES) SIGNAGE MANUFACTURER TO PROVIDE FOOTING ANCHORS & TEMPLATES TO G.C. PRIOR TO FOUNDATION POURING.
- 4. SEE DETAIL 2/DT1.0 FOR DETECTOR LOOP INFORMATION, ELECTRICAL SHEETS FOR LOW VOLTAGE CONDUIT DIAGRAM AND FOR DRIVE THRU POWER DIAGRAM. VENDOR'S SPECIFICATIONS SHALL GOVERN UPON ANY DISCREPANCIES.
- 5. CONTRACTOR TO COORDINATE THE RESPONSIBILITIES OF THE ELECTRICAL CONTRACTOR, CONTENT SUPPLIER AND THE SIGN SUPPLIER.
- 6. CONTRACTOR TO INSTALL PRE-FORMED, PRE-WIRED VEHICLE DETECTOR LOOP.
- 7. CONTRACTOR SHALL VERIFY CONDUIT SIZES REQUIRED BY VEHICLE LOOP DETECTOR SUPPLIER.

**NOTES**

- 1. VERIFY CONDUIT SIZES AND LAYOUT WITH DETECTOR LOOP MANUFACTURER.
- 2. CENTER VEHICLE DETECTOR LOOP IN DRIVE THRU LANE. INSTALL PER MFR. RECOMMENDATIONS.
- 3. NO STEEL (REBAR OR ELECTRICAL WIRE) SHALL BE USED WITHIN 2' OF LOOP.
- 4. DETECTOR LOOP MANUFACTURERS: DETECTOR LOOPS MAY BE BY ONE OF THE FOLLOWINGS COMPANIES OR EQUAL.  
3M: 1-800-328-0033  
HME: 1-800-848-4468
- 5. DETECTOR LOOP MATERIAL:  
PVC TUBING 1/2" I.D. 100 PSI LOOP MADE FROM ONE LENGTH OF THIN FOURTEEN GAUGE STRANDED WIRE. LEAD-IN IS PRE-TWISTED AT FACTORY.
- 6. DETECTOR LOOP CONSTRUCTION:  
FORMED WITH ONE CONTINUOUS LENGTH OF PVC WITH NO SHARP CORNERS AS DETAILED. WIRE LOOPED, FORMED, & PIGTAILED AS DETAILED.



A -- DT CANOPY/SPEAKER DETECTOR LOOP B -- DT WINDOW DETECTOR LOOP

2 DETECTOR LOOP DETAILS  
DT1.0 NOT TO SCALE

DATE	REV	DESCRIPTION

PREPARED BY: **Robert Kempkes**  
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DRAWN BY: SO  
 STD ISSUE DATE: 2022\_08  
 REVIEWED BY: R.K.  
 DATE ISSUED: 12-21-2022  
 SITE ADDRESS: 1000 S Main Street  
 SALEM, MO 64489

TITLE: 2022 STANDARD BUILDING -- BB20  
 DESCRIPTION: 45114- WOOD/WOOD  
 WOOD BEARING WALLS W/HARDBOARD SIDING  
 WOOD ROOF TRUSS FRAMING  
 EIFS/BATTEN/ACM PANEL/HARDBOARD SIDING  
 24-1289.00.0  
**DT1.0**  
 DRIVE-THRU DETAILS