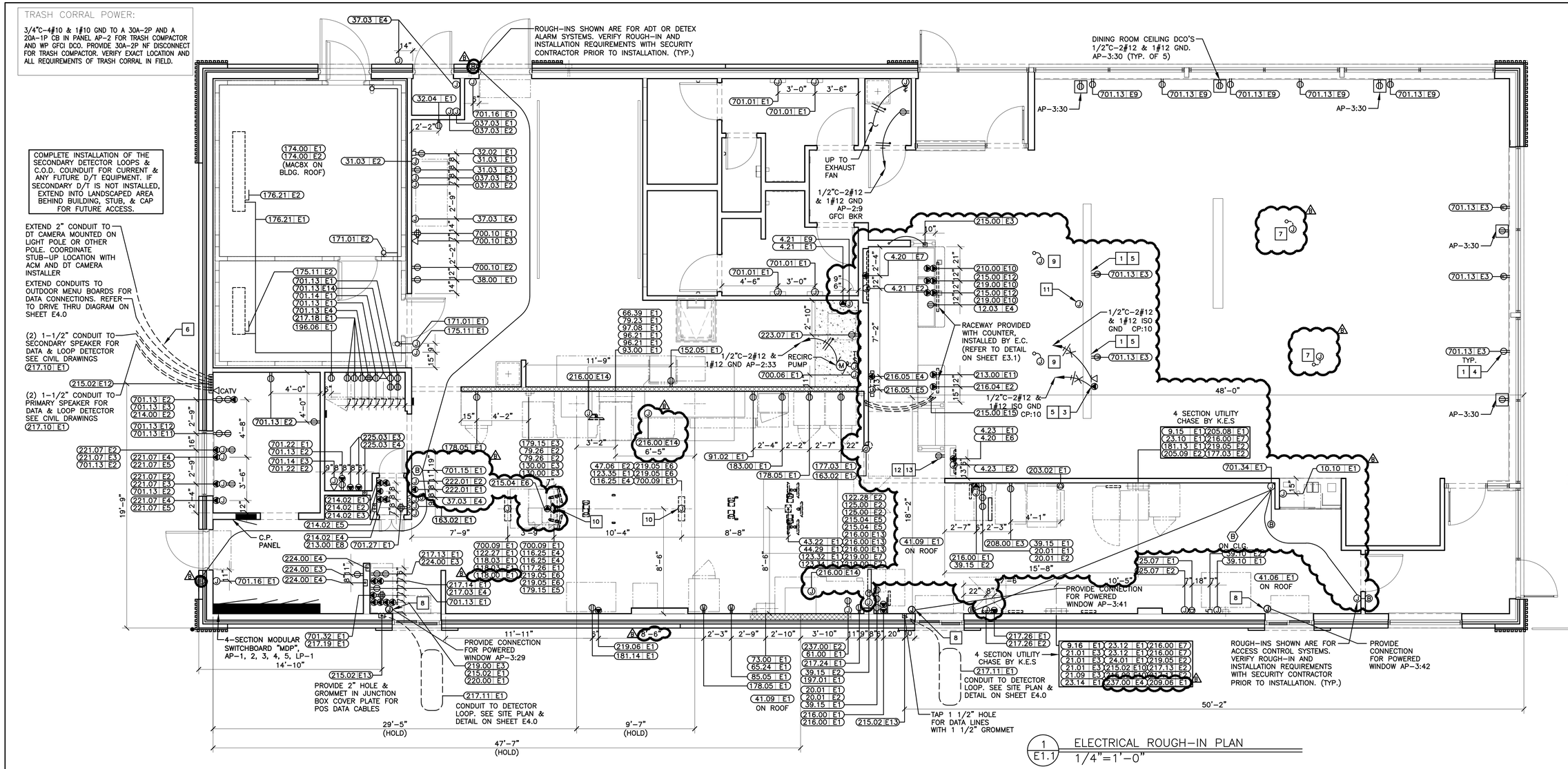
TRASH CORRAL POWER:

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"

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	[o o]	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		
(OS)	CEILING MOUNTED OCCUPANCY 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 25/32" X 3 25/32" 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)
3. SEE NOTE FLAT PANEL TELEVISION NOTE ON SHEET E3.1.
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 WITHIN CEILING 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 ONE (1) DOUBLE SIDED OR TWO (2) SINGLE SIDED KIOSKS.
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 J–BOX ABOVE CEILING NEAR KIOSK FOR FUTURE DIGITAL MERCHANDISER. EXTEND CIRCUIT TO THIS LOCATION FROM DIGITAL MERCHANDISER NEAR SERVICE AREA. EXTEND J–HOOKS FROM SERVICE AREA FOR FUTURE DATA CABLES.
12. CONTRACTOR TO PUNCH HOLES IN SERVICE POD FOR CABLE AND CONDUIT ROUTING. UTILIZE BUSHINGS PROVIDE WITH SERVICE POD TO PROTECT CABLES
13. PROVIDE A 5–20R RECEPTACLE FOR DELIVERY POD DOWNLIGHT, F12DP. INSTALL RECEPTACLE AT 7'–6" AFF. PROVIDE 2#12, 1#12GRD IN 1/2"C TO A 20A CIRCUIT FROM THE LP PANEL. REFER TO LIGHTING PLAN FOR CIRCUIT NUMBER.

REV	DATE	DESCRIPTION	BY
4	12/03/20	SERVICE AREA OPTIMIZATION	WLW
3	11/13/20	USRD SAO SET REVIEW	WLW
2	05/05/20	CIVIL & PLAN REVIEW COMMENTS	WLW
1	01/23/20	PERMIT SET	WLW
	01/13/20	USRD PROGRESS SET REVIEW	WLW

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MATTHEW W. LAUX LICENSED 17667 KANSAS PROFESSIONAL ENGINEER
12/03/20

PREPARED BY:

PREPARED FOR: McDonald's USA, LLC

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DRAWN BY	STD ISSUE DATE
MRL	2019_11
REVIEWED BY	DATE ISSUED
WLW	01–23–20

TITLE: 2019 STANDARD BUILDING – BB20 4597F10–WOOD/WOOD

DESCRIPTION	SITE ADDRESS
WOOD BEARING WALLS W/FIBER CEMENT SIDING & CI WOOD ROOF TRUSS FRAMING FIBER CEMENT PANEL/DATTEN/ALPOLIC PANEL/BRICK EXT. FINISH	605 SOUTH 7TH STREET, KANSAS CITY, KS

SITE ID	RQ#
015–0071	19175

SHEET NO. 015–0071.00.B
E1.1
ROUGH–IN PLAN