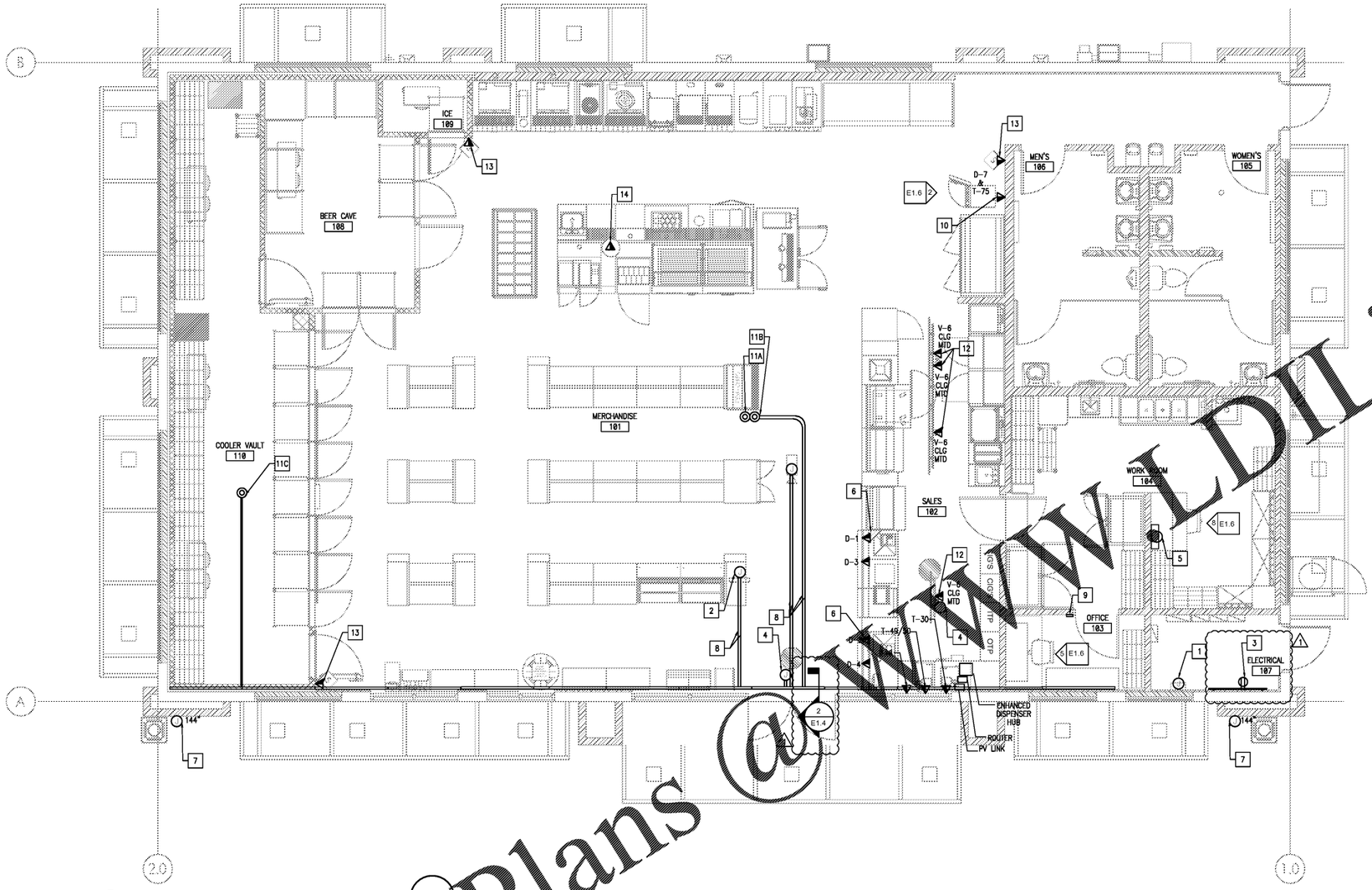
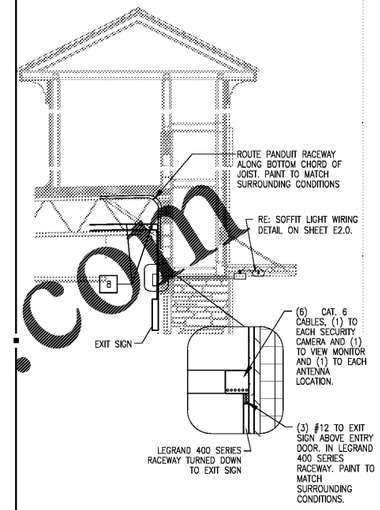


1 LOW VOLTAGE FLOOR PLAN

1/4" = 1'-0"

NORTH



2 WALL SECTION AT STOREFRONT

NTS

DATA

DESIGNATION	LINE	CONDUIT	SIZE	FROM	TO
D-1	COMPUTER AT REGISTER #1	IN SLAB	1"	10" X 10" J-BOX @ WORKSTATION AREA	SALES AREA
D-2	COMPUTER AT REGISTER #2	IN SLAB	1"	10" X 10" J-BOX @ WORKSTATION AREA	SALES AREA
D-3	HOLD-UP BUTTON	IN SLAB	1"	10" X 10" J-BOX @ WORKSTATION AREA	SALES AREA – REGISTER #1
	CAMERA SIGNAL	THROUGH CEILING			
D-4	MONEY ORDER	IN SLAB		10" X 10" J-BOX @ WORKSTATION AREA	
D-5	ATG	THROUGH CONDUIT TO ELECTRIC ROOM	1"	ISP DESK – ATG MONITOR	(ELECTRIC ROOM) FUEL TANKS REFEER TO E1.6
D-6	LOTTO	THROUGH CONDUIT IN SLAB	1"	10" X 10" J-BOX @ WORKSTATION AREA	SALES AREA
D-7	ATM	THROUGH OVERHEAD CONDUIT	1"	10" X 10" J-BOX @ WORKSTATION AREA	VCOM WALL

NOTE: ALL DATA LINES TRAVEL FROM DEMARC THROUGH 3" CONDUIT TO 10" X 10" J-BOX IN CEILING, DOWN THROUGH WALL INTO 10" X 10" J-BOX BEHIND RIS DESK.

NOTE: ALL LOW VOLTAGE CABLING SHALL BE RAN IN RACEWAY, AND INSTALLED IN A CLEAN WORKMAN LIKE MANNER. THERE SHALL BE NO EXPOSED CABLING IN THE SALES AREA.

PHONES

DESIGNATION	LINE	CONDUIT	SIZE	FROM	TO
T-49/50	STORE VOICE LINE, LOCATED AT SALES AREA, MCR'S OFFICE & RIS WORK STATION.	THROUGH CONDUIT	1"	TELEPHONE BOARD	BACK ROOM 10" X 10" J-BOX & THEN TO FRONT SALES COUNTER
T-30	MONEY ORDER, LONG DISTANCE CARDS (LDC) AND EBT (FOOD STAMP PROGRAM)	THROUGH CONDUIT	1"	TELEPHONE BOARD TO RIS, FROM RIS 10" X 10" TO SALES	FRONT SALES COUNTER
T-39	FAX LINE AT RIS WORKSTATION	THROUGH CONDUIT	1"	TELEPHONE BOARD ABOVE CLG TO RIS 10" X 10"	WORKSTATION
T-75	V-COM LINE	THROUGH CONDUIT	1"	TELEPHONE BOARD	ATM LOCATION

NOTE: ALL PHONE LINES TRAVEL FROM DEMARC THROUGH 3" CONDUIT TO 10" X 10" J-BOX MOUNTED ABOVE ISP.

KEYED NOTES

1. ENERGY MANAGEMENT ENCLOSURE PROVIDED BY OTHERS.
2. VIEW MONITOR: ROUTE CONDUIT BACK TO VIDEO RECORDING EQUIPMENT LOCATED IN MANAGER'S OFFICE. COORDINATE LOCATION WITH SECURITY SYSTEM INSTALLER. REFER TO LOW VOLTAGE RISER DIAGRAM FOR WIRING REQUIREMENTS.
3. TELEPHONE BOARD: 4'X4'X3/4" PLYWOOD WITH (1) #6 CU. GROUND PER TELE. CO. REQUIREMENTS. MOUNT RECEPTACLE ADJACENT TO OR ABOVE TELEPHONE BOARD, DO NOT MOUNT BELOW.
4. SECURITY CAMERA:ROUTE CONDUIT BACK TO VIDEO RECORDING EQUIPMENT LOCATED IN MANAGER'S OFFICE. COORDINATE LOCATION WITH SECURITY SYSTEM INSTALLER.
5. VEEDER ROOT: COORDINATE INSTALLATION WITH FUELING PLANS. INSTALL IN ACCESSIBLE LOCATION. MOUNT AT 48" A.F.F. TO BOTTOM.
6. ROUTE WIRING FOR DATA DEVICES UNDER SLAB, RE: 1/E1.2
7. MOUNT +12'AFF, ROUTE CONDUIT BACK TO VIDEO RECORDING EQUIPMENT LOCATED IN MANAGER'S OFFICE. COORDINATE LOCATION WITH CONSTRUCTION MANAGER AND SECURITY SYSTEM INSTALLER.
8. LOW VOLTAGE AND LINE VOLTAGE WIRING IN OPEN CEILING AREAS SHALL BE ROUTED THROUGH A NONMETALLIC RACEWAY SYSTEM AT THE STOREFRONT AND DOWN TRUSSES AS NEEDED. THERE SHALL BE NO EXPOSED WIRING IN THE SALES AREA. OWNER TO PROVIDE LEGRAND 400 SERIES SYSTEM WITH ALL FITTINGS AND DEVICE BOXES REQUIRED FOR CONNECTION TO EXIT SIGN. OWNER TO ALSO PROVIDE PANDUIT 2X2 FIBERRUNNER ROUTING SYSTEM FOR ALL LOW VOLTAGE CABLING. RE:1/E1.4 FOR LOW VOLTAGE ROUTING.
9. CRADLEPOINT WIRELESS INTERNET CONNECTION. THIS WILL BE THE LAST ISP RELATED DEVICE TO BE INSTALLED. THE LOCATION IN THE STORE WILL BE BASED ON THE STRONGEST SIGNAL WITHIN THE STORE. GUIDELINES FOR THE LOCATION OF THE CP ARE AS FOLLOWS:
   - AS FAR AWAY AS POSSIBLE FROM THE ELECTROMAGNETIC INTERFERENCE (MOTORS)
   - AS CLOSE TO THE CEILING AS POSSIBLE
   - POSITIONED SO THE LED LIGHTING SIGNALS ARE VISIBLE FOR TROUBLE SHOOTING / MAINTENANCE PURPOSES
   - MAXIMUM OF 4–6" OF PATCH CABLE VISIBLE ON THE WALL (COLOR: WHITE)
10. RJ11 FLUSH MOUNT FACE PLATE FOR ATM DATA LINE TO RIS COMPUTER WITH JACK TO BE LABELED 'ATM'. DATA LINE IDENTIFIER. D–7, REFER TO 2/E1.6 FOR DETAILS
11. ACCESS POINT EXTENDED ANTENNA CABLES, FOUR CAT 6 CABLES, RJ45 FEMALE IN A 4–PLEX, COVER PLATE LABELED TO 3 LOCATIONS BELOW:
    A. CAT6 RJ45 FEMALE JACK CENTER OF SALES FLOOR SUSPENDED ABOVE CEILING TILE (MAY NEED TO MOVE LATER). 100' IN TOTAL LENGTH WITH EXTRA COILED AT FEMALE JACK
    B. CAT6 RJ45 FEMALE JACK CENTER OF SALES FLOOR SUSPENDED ABOVE CEILING TILE (MAY NEED TO MOVE LATER). 100' IN TOTAL LENGTH WITH EXTRA COILED AT FEMALE JACK.
    C. CAT6 RJ45 FEMALE JACK IN RECEPTACLE 84" ABOVE FLOOR – CENTER OF WALK–IN COOLER.
12. FOUR DIGITAL MENU BOARDS (DMB) WITH MEDIA PLAYERS. INCLUDED IN ALL U.S. NEW STORE PROJECTS AND ALL U.S REVITALIZATION PROJECTS (REBUILD, RELOCATION, MAJOR REMODEL) EFFECTIVE 1/01/2018. HARDWARE SEI SUPPLIED THROUGH CONTACT WITH AT&T (CONSOLIDATED PO TO AT&T THROUGH TURNKEY RESOURCES). ELECTRICAL POWER AND LOW VOLTAGE POWER BY G.C.
13. OSIC MUSIC SERVICE 3 SPEAKERS WITH CAT6 TERMINATED TO FEMALE RJ45.DATA JACKS FOR SPEAKER TO BE FLUSH MOUNTED DIRECTLY BEHIND SPEAKER .VERIFY EXACT HEIGHT AND LOCATION WITH ARCHITECTURAL DRAWINGS. INSTALLER TO HIDE DATA CABLE BEHIND THE SPEAKER USING CABLE TIES.
14. AVA WIRE TO TERMINATE IN BACK OF AVA SENSOR. MOUNT IN CEILING.

COMMISSIONING IS SEI SUPPLIED THROUGH CONTRACT AT&T (DIRECT PO TO AT&T). SUBSCRIPTION AND SERVICE AGREEMENT(S) BILLED DIRECT TO SEI IT DEPARTMENT SEPARATE FROM CONSTRUCTION PROJECTS.

GENERAL NOTES

1. ALL WIRING IS COPPER. REFER TO ELECTRICAL SPECIFICATIONS FOR FURTHER INFORMATION.
2. E.C. TO INSTALL DATA LINES IN CONDUIT TO BOXES INSTALLED BY LOW VOLTAGE CONTRACTOR LTCG PRIOR TO TYCO CAMERA INSTALLATION.
3. CONDUITS THAT ARE EXPOSED TO WIDELY DIFFERENT TEMPERATURES, SUCH AS COOLERS, FREEZERS OR SERVICE ENTRANCE CONDUCTORS, SHALL BE SEALED TO PREVENT CIRCULATION OF AIR AND/OR MOISTURE. REF 2014 NEC (300.7 (A))
4. CONDUIT AND WIRING IN AREAS WHERE EXPOSED SHALL BE ROUTED AT 90 DEGREE ANGLES PERPENDICULAR OR PARALLEL TO JOISTS. COORDINATE PAINTING OF CONDUIT WITH ARCHITECTURAL FINISHES.
5. UNLESS OTHERWISE DICTATED BY APPLICABLE CODES OR AHJ, ALL MATERIALS WITHIN RETURN AIR PLENUM MUST BE NON COMBUSTIBLE AND/OR HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE–DEVELOPED INDEX NOT MORE THAN 50 IN ACCORDANCE WITH ASTM E 84 TESTING.
6. ALL LOW VOLTAGE CABLING SHALL BE RAN IN RACEWAY, AND INSTALLED IN A CLEAN WORKMAN LIKE MANNER. THERE SHALL BE NO EXPOSED CABLING IN THE SALES AREA.

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INTERPLAN LLC
ARCHITECTURE
ENGINEERING
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PROJECT MANAGEMENT

AR0011595
CA 8660

604 COURTLAND STREET
SUITE 100
ORLANDO, FLORIDA 32804
PH 407.645.5008
FX 407.629.9124

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FOR BIDDING ONLY 09/03/2020

NO	DATE	REMARKS
1	04.27.20	PEER COMMENTS

REVISIONS

7-ELEVEN
STORE #41559

1245 S. VOLUSIA AVENUE
Orange City, FL 32763

PROJECT NO: 2019.0743
DATE: APRIL 7, 2020

E1.4
LOW VOLTAGE FLOOR PLAN

CHECKED: -- DRAWN: M.M

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P:\7-Eleven\2019.0743 - IRMA - Tolleson Rd Rhode Island Ave, Orange City, FL\3 CAD & Drawings\2 Construction Documents\2019.0743 - E1.4.dwg LOW VOLTAGE FLOOR PLAN 9/2/2020 2:44:03 PM EDT, JonLoh PDF (General Documents).pc3 - ARCH B&B Stencil D (24.00 x 36.00 Inches), 1:1

JONLOH - 09/02/2020 3:35:03 PM