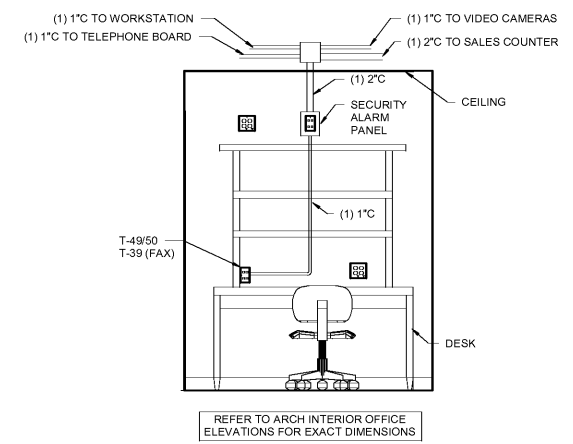


PHONES				
DESIGNATION	LINE	CONDUIT	SIZE	TO
T-49/50	STORE VOICE LINE LOCATED AT SALES AREA, MGR'S OFFICE & RIS WORKSTATION	THROUGH CONDUIT	1"	TELEPHONE BOARD
T-30	MONEY ORDER, LONG DISTANCE CARDS (LDC) AND EBT (FOOD STAMP PROGRAM)	THROUGH CONDUIT	1"	TELEPHONE BOARD TO RIS, FROM RIS 10" X 10" TO SALES
T-39	FAX LINE AT RIS WORKSTATION	THROUGH CONDUIT	1"	TELEPHONE BOARD ABOVE CLG TO RIS 10" X 10" TO SALES
T-75	V-COM LINE	THROUGH CONDUIT	1"	TELEPHONE BOARD
T-68/72	SECURITY LINE/ POLICE FIRE LOCATED AT TELEPHONE BOARD	THROUGH CONDUIT	1"	TELEPHONE BOARD TO RIS 10" X 10", TO MGRS OFFICE & REG #1

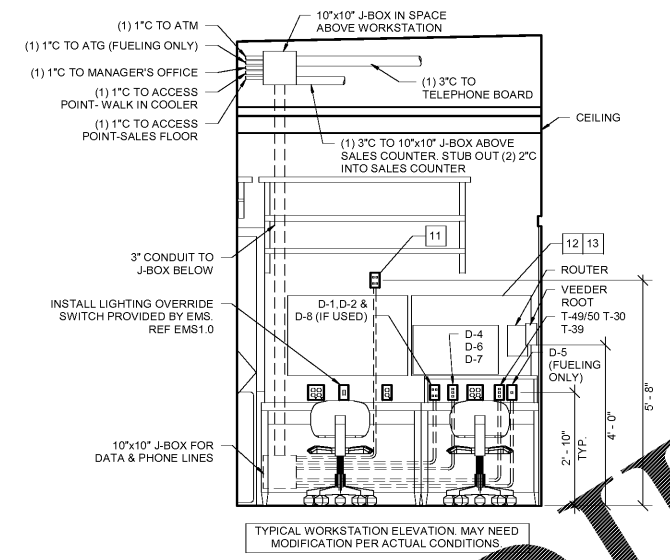
NOTE: ALL PHONE LINES TRAVEL FROM DEMARC THROUGH 3" CONDUIT TO 10" X 10" J-BOX MOUNTED ABOVE ISP.

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

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.



3 MGR'S OFFICE WIRING - LOW VOLTAGE N.T.S.



2 WORKSTATION WIRING - LOW VOLTAGE N.T.S.

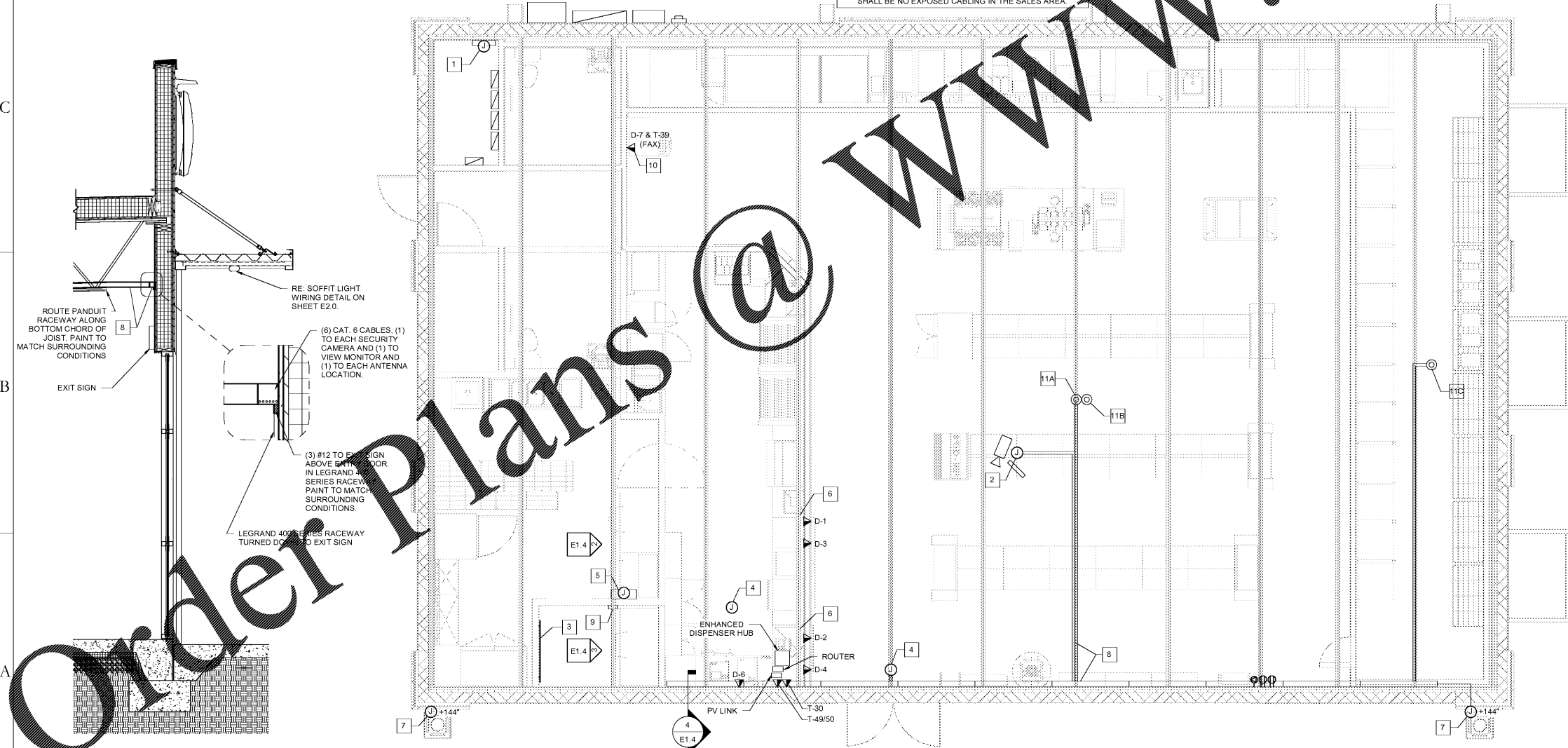
LOW VOLTAGE NOTES:

- ALL WIRING IS COPPER. REFER TO ELECTRICAL SPECIFICATIONS FOR FURTHER INFORMATION.
- E.C. TO INSTALL DATA LINES IN CONDUIT TO BOXES BY LOW VOLTAGE CONTRACTOR LTGC PRIOR TO TYCO CAMERA INSTALLATION.
- 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. 2011 NEC (300.7(A)).
- 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.
- UNLESS OTHERWISE DICTATED BY APPLICABLE CODES OR A.H.J. ALL MATERIALS WITHIN RETURN AIR PLENUM MUST BE NON COMBUSTIBLE AND/OR HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE-DEVELOPED INDEX NOT MORE THAN 50 IN ACCORDANCE WITH ASTM E 84 TESTING.

KEYNOTES - LOW VOLTAGE

- ENERGY MANAGEMENT ENCLOSURE PROVIDED BY OTHERS.
- VIEW MONITOR ROUTE CONDUIT BACK TO VIDEO RECORDING EQUIPMENT LOCATED IN THE MANAGER'S OFFICE. COORDINATE LOCATION WITH SECURITY SYSTEM INSTALLER. REFER TO VIDEO RECORDING DIAGRAM FOR WIRING REQUIREMENTS.
- TELEPHONE BOARD: 4'x4'x3/4" PLYWOOD WITH (1) #6 CU. GROUND FOR THE USE MOUNTED ABOVE 4'x4'x3/4" PLYWOOD WITH (1) #6 CU. GROUND PER TELE. CO. RECEPTACLES MOUNT RECEPTACLE ADJACENT TO OR ABOVE TELEPHONE BOARD. DO NOT MOUNT BELOW.
- SECURITY CAMERA: ROUTE CONDUIT BACK TO VIDEO RECORDING EQUIPMENT LOCATED IN MANAGER'S OFFICE. COORDINATE LOCATION WITH SECURITY SYSTEM INSTALLER.
- VEEDER ROOT: COORDINATE INSTALLATION WITH FUELING PLANS. INSTALL IN ACCESSIBLE LOCATION. MOUNT AT 48" A.F.F. TO BOTTOM.
- ROUTE WIRING FOR DATA DEVICES UNDER SLAB. RE: 1/E1.2
- MOUNT +12" A.F.F., ROUTE CONDUIT BACK TO VIDEO RECORDING EQUIPMENT LOCATED IN MANAGER'S OFFICE. COORDINATE LOCATION WITH CONSTRUCTION MANAGER AND SECURITY SYSTEM INSTALLER.
- LOW VOLTAGE AND LINE VOLTAGE WIRING IN ALL 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.
- 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 TROUBLESHOOTING/MAINTENANCE PURPOSES
 - MAXIMUM OF 4'-6" OF PATCH CABLE VISIBLE ON THE WALL (COLOR-WHITE)
- RJ11 FLUSH MOUNT FACE PLATE FOR ATM DATA LINE TO RIS COMPUTER WITH JACK TO BE LABELED "ATM". DATA LINE IDENTIFIER: D-7.
- ACCESS POINT EXTENDED ANTENNA CABLES: FOUR CAT 6 CABLES: RJ45 FEMALE IN A 4-PLEX, COVERPLATE 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
- DATA TELEPHONE CABLING PROVIDED BY LTGC. CONTACT GREGORY LEVALDS (972) 801-9950. CONDUIT AND BOXES TO BE FURNISHED BY OWNER AND INSTALLED BY G.C.
- 24"X36" FIRE RETARDANT U-TECK BACKBOARD SHALL BE PLACED BEHIND RIS MONITOR AND ABOVE WORKSTATION RECEPTACLES. BACKBOARD WILL SUPPLY MOUNTING FOR SRX ROUTER AND RIS SWITCH. PROVIDED AND INSTALLED BY LTGC.

NOTE: ALL LOW VOLTAGE CABLING SHALL BE RUN IN RACEWAY AND INSTALLED IN A CLEAN WORKMANLIKE MANNER. THERE SHALL BE NO EXPOSED CABLING IN THE SALES AREA.



4 WALL SECTION AT STOREFRONT N.T.S.

1 LOW VOLTAGE FLOOR PLAN 1/4\"/>



106 N 37TH STREET, SUITE C
ROGERS, ARKANSAS 72756
WWW.BATESCONTRACTS.COM
TEL: 479.633.3333

Florida Certified Authority #2236
Creghton Construction & Management, LLC
Creghton Construction & Management, LLC
900 SW PINE ISLAND ROAD, SUITE 202
CAPE CORAL, FL 33991

TENANT
7-ELEVEN INC.
3200 HACKBERRY ROAD
IRVING, TX 75063
CONTACT DANIEL TUBB
STRUCTURAL CONSULTANT
SELECT STRUCTURAL
12573 NEW BRITANNY BLVD FORT MYERS, FL 33907

PROTO:08-21-2017

7-ELEVEN STORE
SW CO CARROLL ST. & DYER BLVD.
KISSIMMEE, FL 34741

CREGHTON CONSTRUCTION & MANAGEMENT, LLC
900 SW PINE ISLAND ROAD, SUITE 202
CAPE CORAL, FL 33991

Engineer Name - ANDREW D FINNEGAN
Engineer Number - 80051

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REVISIONS	
NO.	DESCRIPTION

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LOW VOLTAGE FLOOR PLAN

