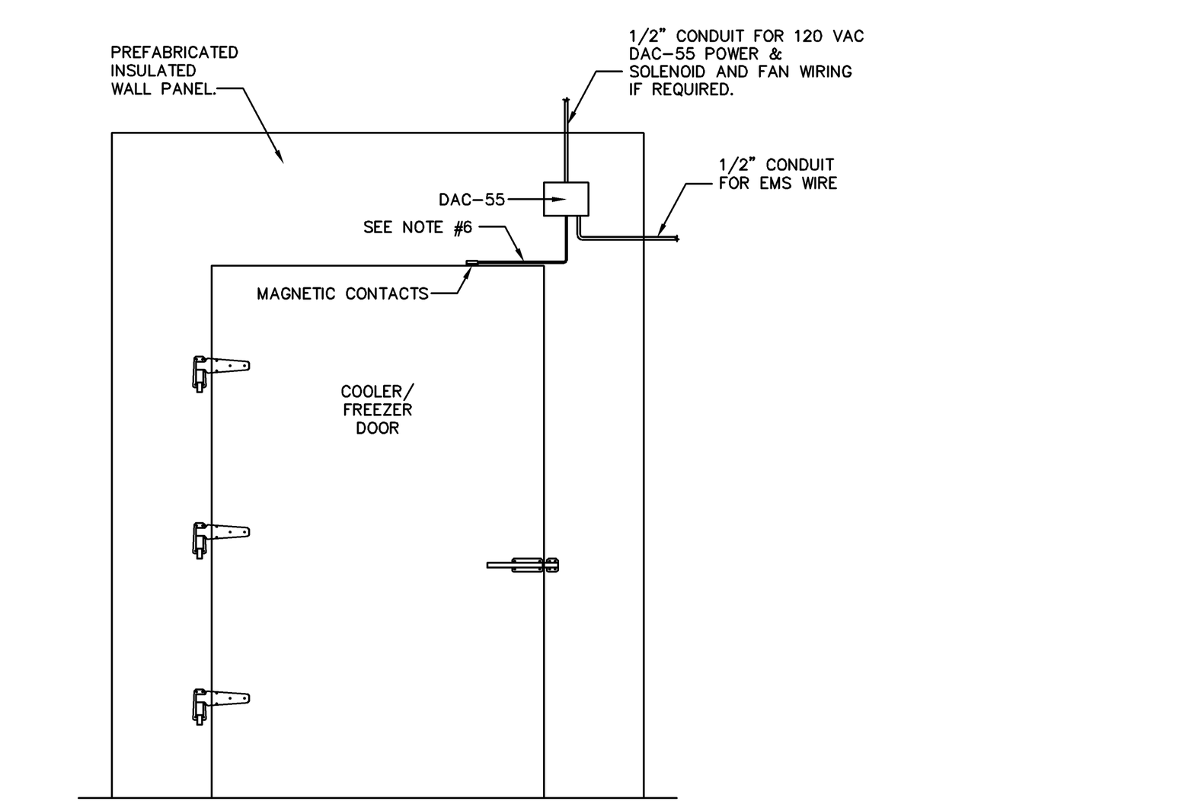
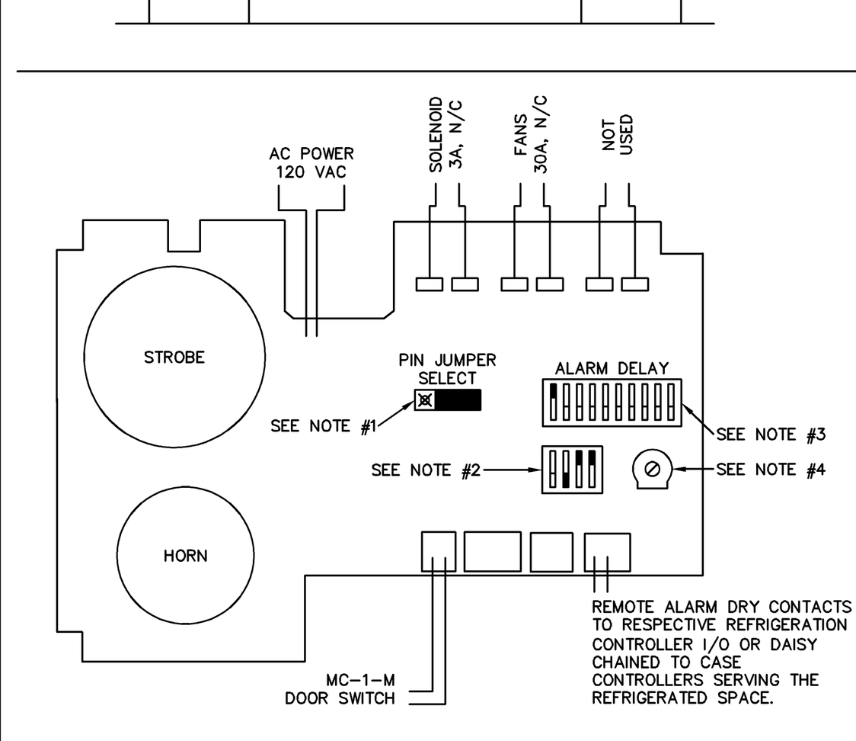




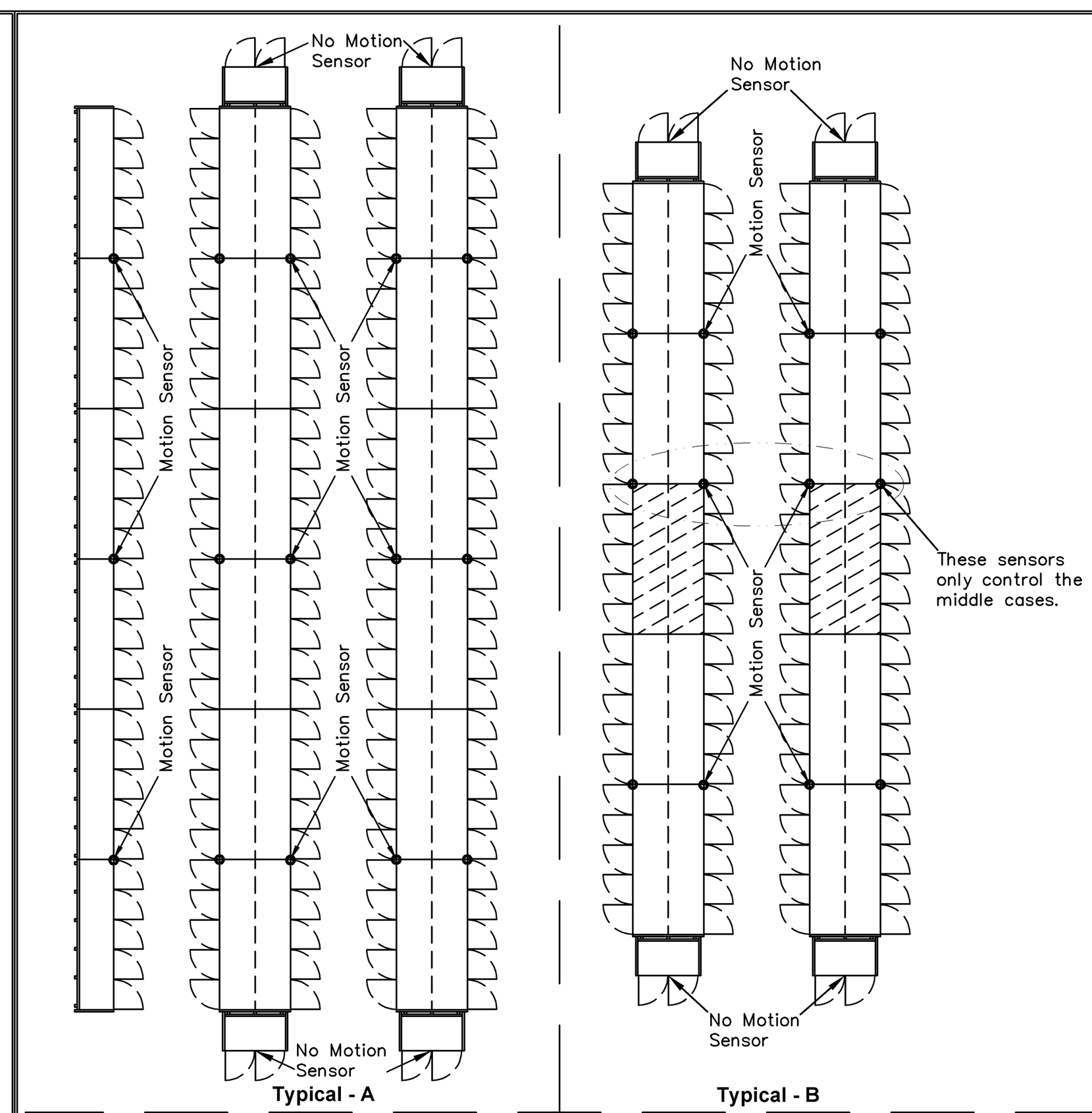
NOTES:

1. PIN JUMPER SET TO 'INSTANT'.
2. DIP 1 & 2 DOWN. DIP 3 UP FOR REF. PRE DELAY. DIP 4 UP FOR INSTANT EMS ALARM/LOG.
3. DIP 1 UP. DIPS 2-10 DOWN. 5 MIN. DELAY.
4. ADJUSTED TO THE MIDDLE WHICH IS A 60 SECOND DELAY FOR SHUTTING OFF FANS AND REF..
5. SOLENOID AND FAN CONNECTIONS CONTROLLED ON FREEZERS AND MEAT COOLERS ONLY. WHEN UTILIZING CASE CONTROLS FANS AND ELECTRONIC EXPANSION VALVES ARE CONTROLLED BY CASE CONTROLLER.
6. MC-1-M 20" MAX. LENGTH ARMORED CABLE INCLUDED WITH UNIT.

DAC-55 DOOR MONITOR

WALK-IN DOOR MONITOR — DATE: 5/18/15 SCALE: NONE DRAWN: TMW/ZAW — MASTER SPECIFICATION DETAIL — **EISD-4**

ORIGINAL ISSUE DATE 12/18/13



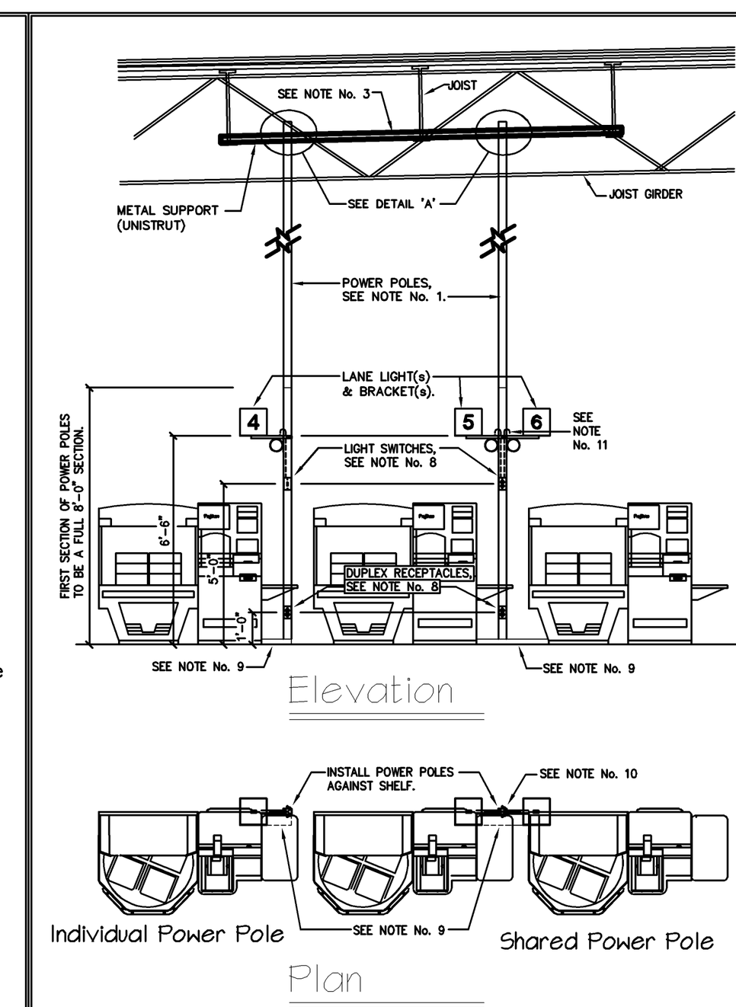
NOTES:

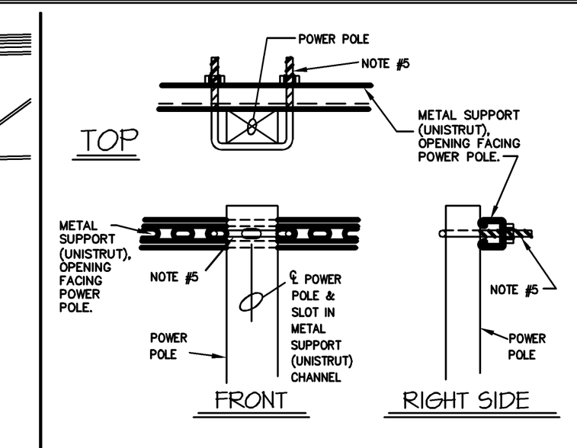
1. The Fixture Electrical Installer shall install each motion sensor to control 2 cases maximum. When an odd number of cases are in a row one motion sensor will control only one case. See Typical – B.
2. Motion sensors shall only be used on cases in an aisle. No motion sensors are to be placed on end caps, dairy doors, nutrition cases, etc.
3. Motion sensors shall be mounted to one side or the other of the case joint.
4. Owner Supplied Items: Watt Stopper motion sensor kit ePRO number K-0011767. Kit includes (1) power supply, (1) motion sensor, (1) 10' shielded cable, (1) connector and (1) splitter.
5. Refer to Kroger Installation Specifications for Watt Stopper Motion Sensor for additional installation information.

Based on:
Watt Stopper Motion Sensor
Model No. FS-705.

GLASS DOOR CASE MOTION SENSOR — DATE: 3/13/12 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **EISD-1**

ORIGINAL ISSUE DATE 10/2/09





Switch & Duplex Receptacle Components -- Manufacturers Indicated or Equal

GANG BOX -- IVORY
HUBBELL WIRING DEVICE, MODEL HBL5747IV
SHALLOW SWITCH/RECEPTACLE BOX

COVER PLATES -- ALMOND
HUBBELL WIRING DEVICE
DUPLEX RECEPTACLE & DOUBLE SWITCH, MODEL KP8AL
SINGLE SWITCH, MODEL KP1AL

LIGHT SWITCHES -- IVORY
DOUBLE – LEVITON, MODEL R51-05 224-215, TWO SWITCHES CONTROL TWO SEPARATE FIXTURES.
SINGLE – LEVITON, MODEL R56-01 451-02T

DUPLEX RECEPTACLE -- IVORY
LEVITON, MODEL M11-05320-IMP

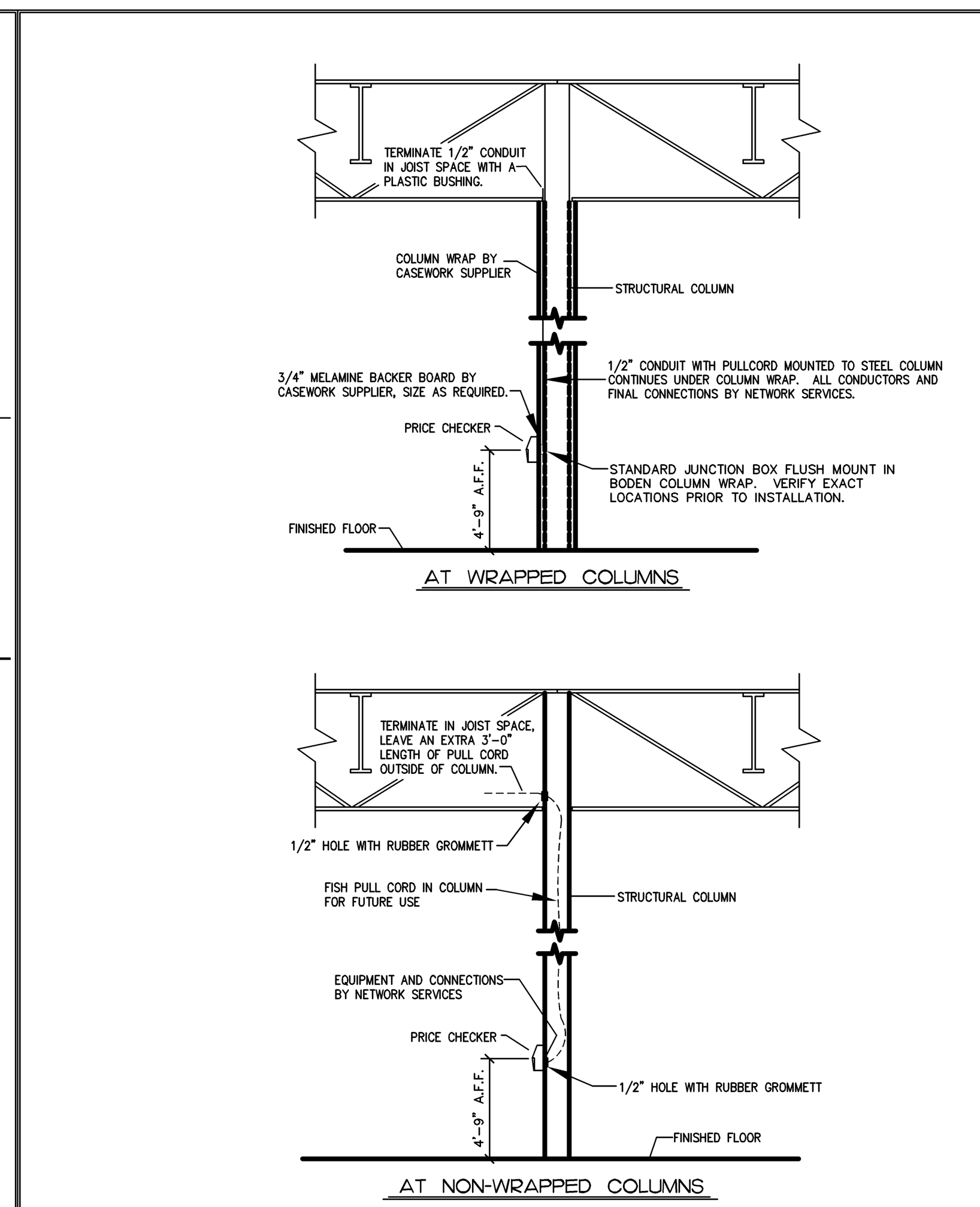
NOTES:

1. FOLLOW INSTRUCTIONS FROM CHECKSTAND MANUFACTURER SUPPLIED WITH POWER POLES FOR ASSEMBLY & INITIAL INSTALLATION. POWER POLES AS FOLLOWS:
   – PRE-CUT ACCESS HOLE ON 2" SIDE OF POLE AT LIGHT BRACKET MOUNTING HEIGHT.
   – TWO PRE-CUT ACCESS HOLES ON 3" SIDE OF POLE AT HEIGHT INDICATED ON ABOVE ELEVATION, FOR LIGHT SWITCH(es) AND DUPLEX RECEPTACLE.
2. POSITION POWER POLE AGAINST BACK OF SELF-SCAN SHELF THEN BOLT POLE BASE FLANGE TO FLOOR. CUT TOP OF POWER POLE AS NECESSARY AND ATTACH TOP OF POWER POLE TO BUILDING STRUCTURE.
3. WHEN TOP OF POWER POLE MISSES EXISTING STRUCTURAL STEEL, PROVIDE & SECURELY ATTACH A METAL SUPPORT, SUCH AS UNISTRUT CHANNEL, ACROSS NEAREST JOISTS.
4. SECURELY ATTACH POWER POLE TO EXISTING STRUCTURE OR NEW METAL SUPPORT (UNISTRUT). DO NOT DRILL THRU, RUN BOLTS THRU, OR SCREW INTO POLE, TO PREVENT SHARP EDGES WHICH COULD DAMAGE COMMUNICATION CABLES.
5. 3/8" x 5" INSIDE LENGTH x 4" INSIDE WIDTH SQUARE U-BOLT, TO CONNECT TO SLOTTED METAL SUPPORT (UNISTRUT) CHANNEL, WITHOUT DRILLING, IF POWER POLE IS CENTERED ON A SLOT IN METAL SUPPORT (UNISTRUT) CHANNEL. DO NOT OVER TIGHTEN U-BOLT NUTS, LEAVE LOOSE ENOUGH TO PERMIT VERTICAL MOVEMENT OF ROOF STRUCTURE. SIMILAR UNISTRUT HARDWARE MAY BE USED IN LIEU OF U-BOLTS, TO SECURELY ATTACH POWER POLES.
6. HEIGHTS INDICATED RESULT IN POSITIONING BRACKETS TO PARTIALLY COVER SOME ACCESS HOLES.
7. METAL SUPPORT, SQUARE U-BOLT AND ATTACHMENT HARDWARE, MC CABLE SUPPLIED AND INSTALLED BY CONTRACTOR. ALL OTHER COMPONENTS SUPPLIED BY OWNER.
8. CONTRACTOR TO SUPPLY AND INSTALL LIGHT SWITCHES, DUPLEX RECEPTACLES & COVER PLATES FOR LANE LIGHTS AT HEIGHT INDICATED ON ABOVE ELEVATION. CONTRACTOR TO COMPLETE WIRING INSTALLATION BETWEEN ELECTRIC CIRCUIT, SWITCHES & RECEPTACLES, INCLUDING ROUTING LIGHT FIXTURE CABLE DOWN THRU POWER POLE AND EXIT POWER POLE AT BOTTOM, CONTINUE CABLE THRU STAINLESS STEEL PROTECTOR TO UNDER CHECKSTAND THEN CUT END AND PLUGGED INTO RECEPTACLE. EXCESS CABLE TO BE COILED UP AND CONCEALED UNDER CHECKSTAND.
9. CONTRACTOR TO FIELD FABRICATE AND INSTALL STAINLESS STEEL PROTECTOR FOR WIRING FROM POWER POLE AND BETWEEN CHECKSTAND, FASTEN TO FLOOR AS NEEDED.
10. REMOVE COVER FROM SECOND HOLE FOR BACK TO BACK LIGHTING BRACKET INSTALLATION.
11. LANE LIGHT IS SUPPLIED WITH 10'-0" LONG CORD AND STANDARD GROUNDED PLUG. CONTRACTOR TO SUPPLY AND INSTALL SWITCHES AND RECEPTACLE ON POWER POLE AT HEIGHT INDICATED ON ABOVE ELEVATION. EACH SWITCH TO BE WIRED TO ONE RECEPTACLE. CONTRACTOR TO RUN LANE LIGHT CORD THROUGH PREDRILLED HOLE IN POWER POLE AND OUT BOTTOM OF POWER POLE TO FIELD FABRICATED WIRE PROTECTOR, TO INSIDE OF SELF-SCAN UNIT, AND OUT TO APPROPRIATELY SWITCHED RECEPTACLE ON POWER POLE. EXCESS CORD TO BE COILED IN BOTTOM OF SELF-SCAN UNIT.
12. ONE COMPRTMENT POWER POLES, LIGHTS, SWITCHES AND RECEPTACLES SUPPLIED AND INSTALLED BY CONTRACTOR.
13. ALL HIGH VOLTAGE CONDUCTORS MUST BE WRAPPED WITH STEEL JACKETING (MC CABLE).

e-PRO NUMBERS:
Power Pole #K-0011989
Light Arm Bracket With Lamp #K-0015235
Cube for Lane Light #K-0037228
Self Scan Topper #K-0037229

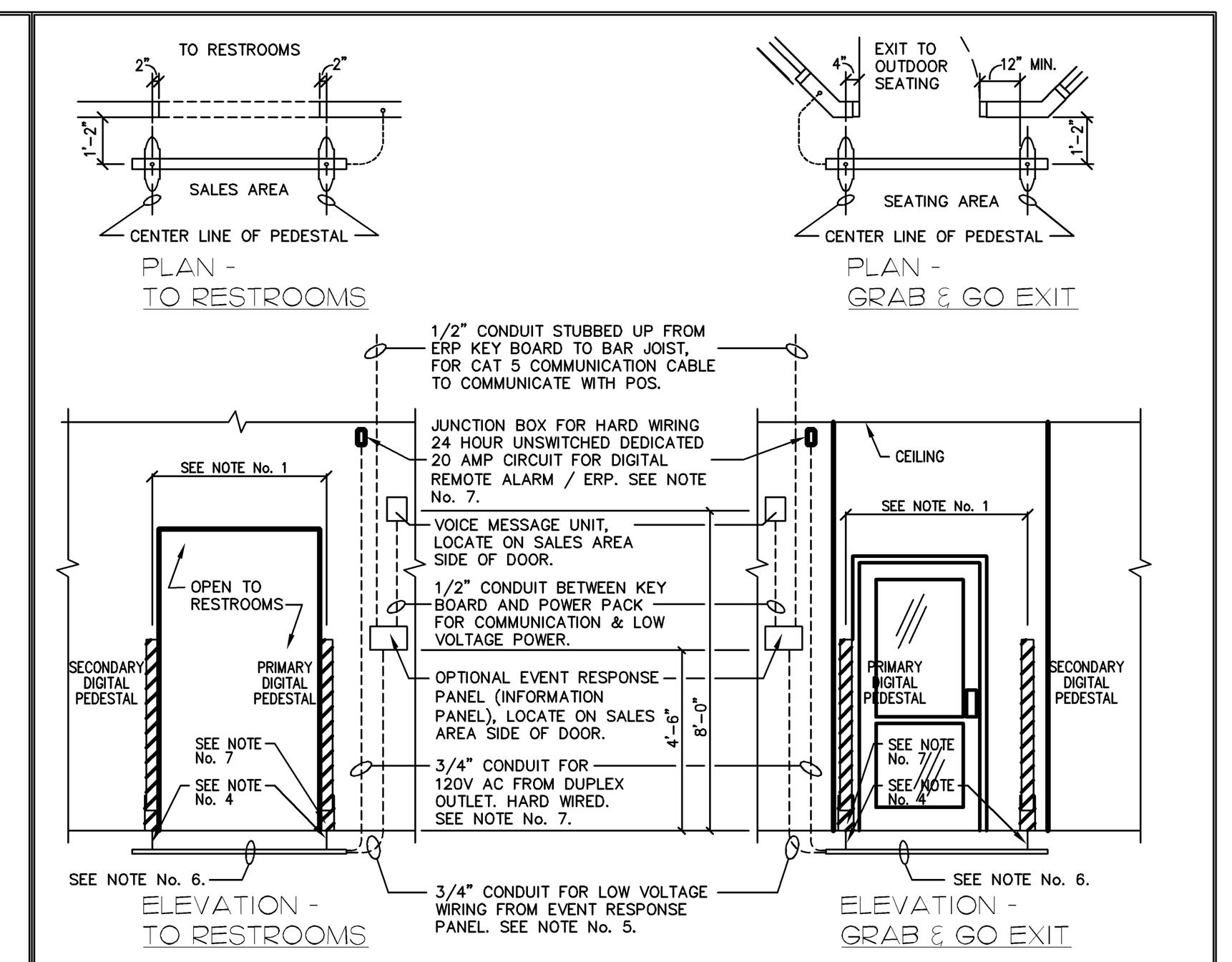
SELF-SCAN CHECKOUT POWER POLE & LANE LIGHT INSTALLATION — DATE: 11/21/14 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-62A**

ORIGINAL ISSUE DATE 5/7/10



COLUMN MOUNTED PRICE CHECKER SECTIONS — DATE: 1/30/09 SCALE: NONE DRAWN: JFQ — MASTER SPECIFICATION DETAIL — **ESD-55**

ORIGINAL ISSUE DATE 1/30/09



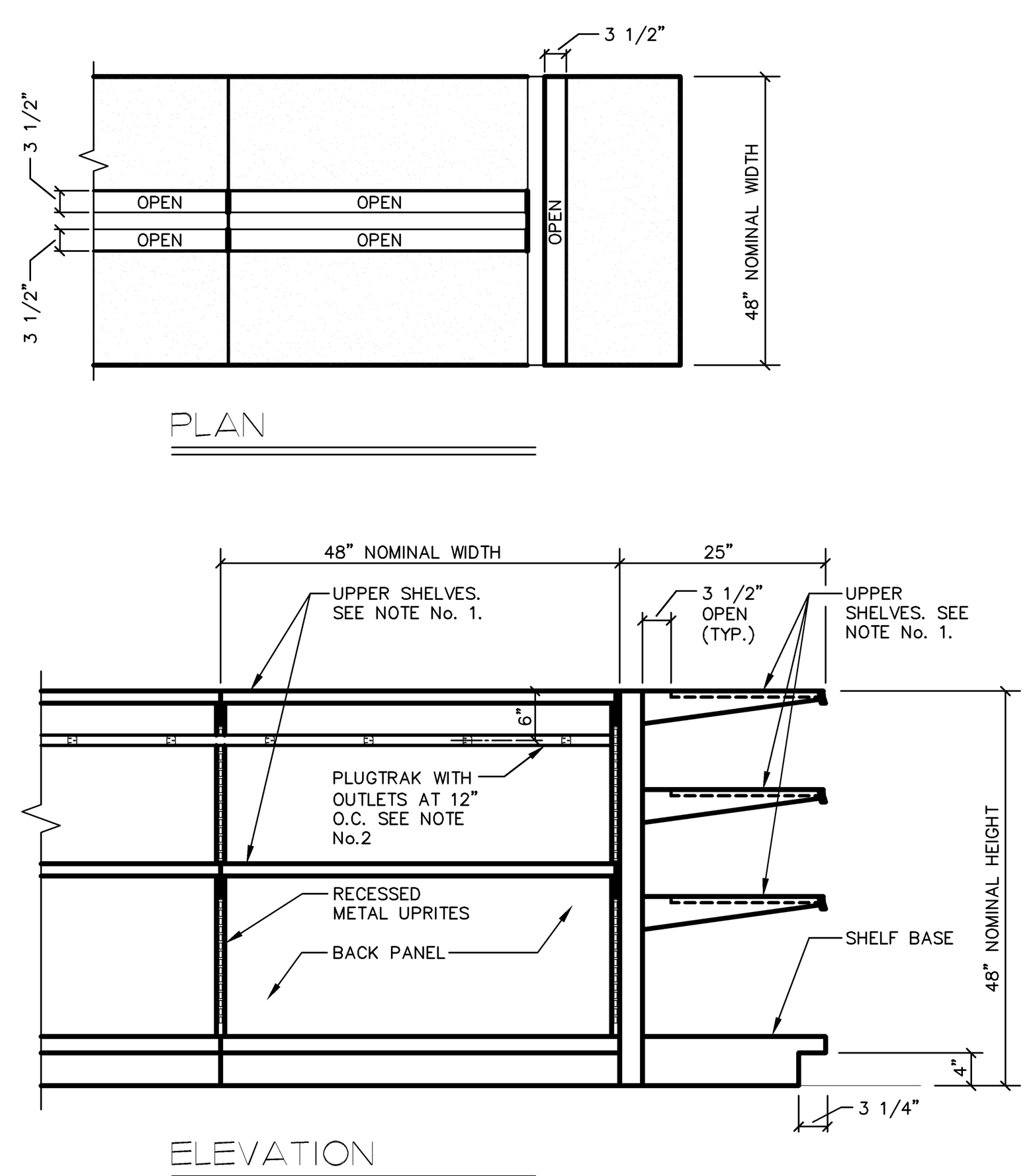
NOTES:

1. DIGITAL PEDESTAL TO BE CENTERED ON CORE DRILLED HOLES, AND SHOULD NOT INTERFERE WITH THE EMERGENCY OPERATION OF DOORS. SPACE BETWEEN PEDESTALS SHALL NOT EXCEED 6'-0".
2. IF THE INTERCONNECT CABLE FROM PRIMARY TO SECONDARY PEDESTAL IS ROUTED OVER TOP OF DOORS, THE MAXIMUM CABLE DISTANCE BETWEEN THE PEDESTALS IS 35'-0".
3. VOICE MESSAGE UNIT & EVENT RESPONSE PANEL LOCATIONS INDICATED ARE RECOMMENDATIONS ONLY, ADJUST LOCATIONS AS SITE CONDITIONS DICTATE. ERP IS OPTIONAL AND IS FIELD DETERMINED BY LOSS PREVENTION.
4. ELECTRICAL CONTRACTOR SHALL CORE DRILL 3/4" HOLES AND PROVIDE AFTER SET INSERTS & PULL STRING IN CONDUIT AND IN DUCT FROM PRIMARY PEDESTAL TO SECONDARY PEDESTAL.
5. 3/4" CONDUIT (FOR MAXIMUM 2 PEDESTALS) FOR LOW VOLTAGE WIRING FROM EVENT RESPONSE PANEL. CABLE/CONDUIT LENGTH NOT TO EXCEED 35 FEET TO THE FARTHEST PEDESTAL. ROUTE CONDUIT INSIDE WALL THEN UNDER FLOOR AND TERMINATE INTO END OF UNDERFLOOR DUCT.
6. FOR NEW CONCRETE FLOOR INSTALL No. 2 UNDERFLOOR DUCT, WITH 3/4" CONDUIT ADAPTER ON END WHERE CONDUIT ENTER DUCT AND A DUCT END PLUG ON OPPOSITE END. TOP OF UNDERFLOOR DUCT TO BE LOCATED BELOW BOTTOM OF FLOOR SLAB. FOR EXISTING CONCRETE FLOORS SAW CUT FLOOR 1/2" WIDE x 1/2" DEEP JOINT FOR CABLING IN LIEU OF UNDERFLOOR DUCT. FILL JOINT WITH POLYUREA JOINT SEALANT TO MATCH ADJACENT JOINTS.
7. AC POWER – 3 WIRE, 24 HOUR CIRCUIT, HARD WIRED. CONDUIT TO STUB UP AT DESIGNATED LOCATIONS OF PRIMARY DIGITAL PEDESTAL AND CUT 1 INCH MAXIMUM ABOVE FINISHED FLOOR.

Note:
Detail Based on:
-Sensormatic Security Products.

SURVEILLANCE SYSTEM – RESTROOMS & GRAB & GO — DATE: 6/5/15 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-52A**

ORIGINAL ISSUE DATE 6/5/15



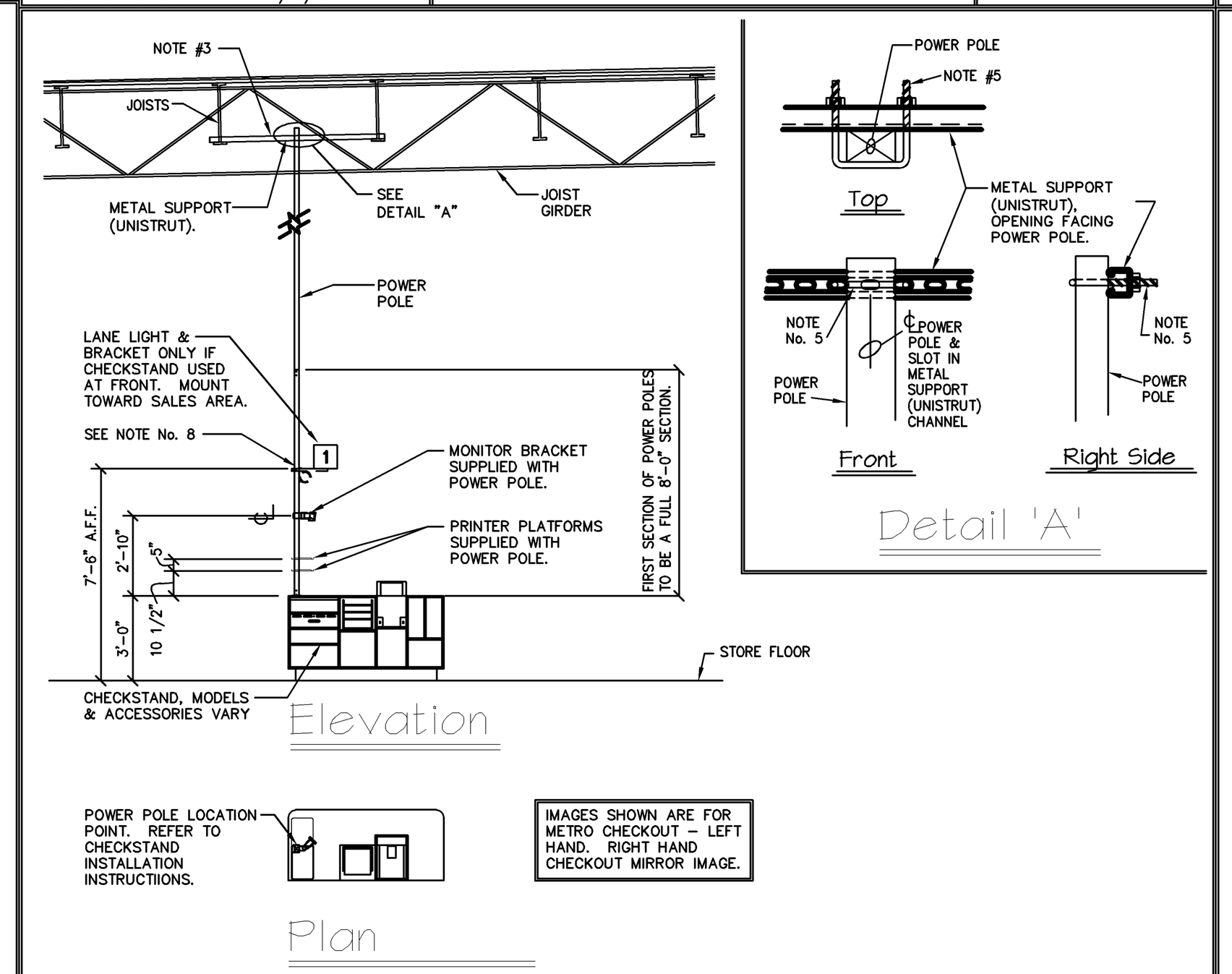
NOTES:

1. FOR SHELVING REFER TO FIXTURE PLAN AND SHELVING ORDER INFORMATION.
2. HUBBELL, INC. HBL 24GB6121V 6' 20 AMP PLUGTRAK W/OUTLETS 12" O.C. CONNECT PLUGTRAK TO OVERHEAD OR UNDERGROUND AS REQUIRED.

Detail Based on:
LOZIER – Island Sections
– Wall End Display Units

LAMP DECK — DATE: 7/23/12 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **EISD-3**

ORIGINAL ISSUE DATE 7/23/12



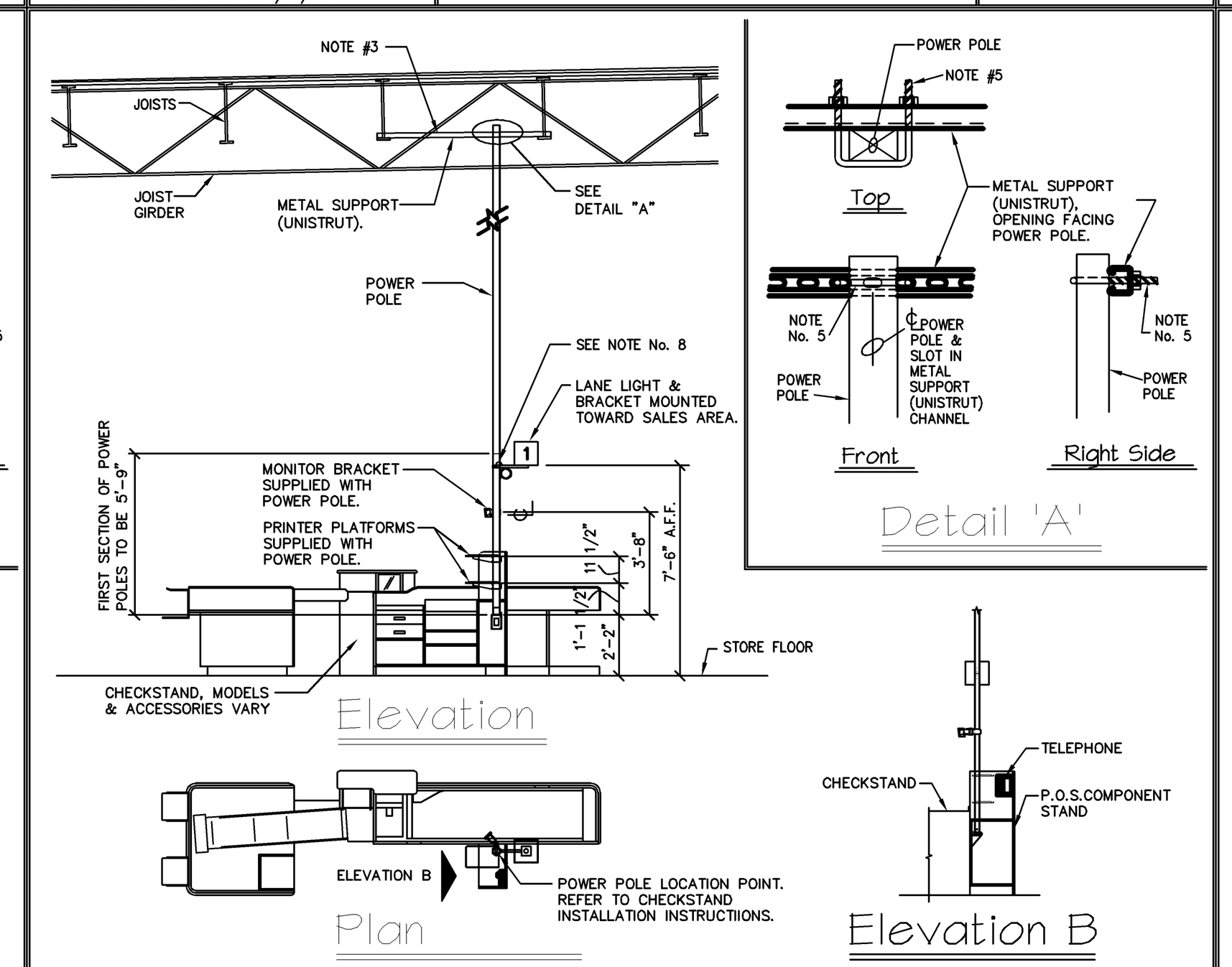
Notes:

1. FOLLOW INSTRUCTIONS FROM CHECKSTAND MANUFACTURER SUPPLIED WITH POWER POLES FOR ASSEMBLY & INITIAL INSTALLATION.
2. POWER POLE WEIGHT IS SUPPORTED BY CHECKSTAND. CUT TOP OF POWER POLE AS NECESSARY AND ATTACH TO BUILDING STRUCTURE.
3. WHEN TOP OF POWER POLE MISSES EXISTING STRUCTURAL STEEL, PROVIDE & SECURELY ATTACH A METAL SUPPORT, SUCH AS UNISTRUT CHANNEL, ACROSS NEAREST JOISTS.
4. SECURELY ATTACH POWER POLE TO EXISTING STRUCTURE OR NEW METAL SUPPORT. DO NOT DRILL THRU, RUN BOLTS THRU, OR SCREW INTO POLE, TO PREVENT SHARP EDGES WHICH COULD DAMAGE COMMUNICATION CABLES.
5. 3/8" x 5" INSIDE LENGTH x 4" INSIDE WIDTH SQUARE U-BOLT, TO CONNECT TO SLOTTED METAL SUPPORT (UNISTRUT) CHANNEL, WITHOUT DRILLING, IF POWER POLE IS CENTERED ON A SLOT IN METAL SUPPORT (UNISTRUT) CHANNEL. DO NOT OVER TIGHTEN U-BOLT NUTS, LEAVE LOOSE ENOUGH TO PERMIT VERTICAL MOVEMENT OF ROOF STRUCTURE. SIMILAR UNISTRUT HARDWARE MAY BE USED IN LIEU OF U-BOLTS, TO SECURELY ATTACH POWER POLES.
6. HEIGHTS INDICATED RESULT IN POSITIONING BRACKETS TO PARTIALLY COVER SOME ACCESS HOLES.
7. METAL SUPPORT (UNISTRUT), SQUARE U-BOLT AND ATTACHMENT HARDWARE, MC CABLE SUPPLIED AND INSTALLED BY CONTRACTOR. ALL OTHER COMPONENTS SUPPLIED BY OWNER.
8. LANE LIGHT IS SUPPLIED WITH 10'-0" LONG CORD AND STANDARD GROUNDED PLUG. CONTRACTOR TO RUN LANE LIGHT CORD THROUGH PREDRILLED HOLE IN POWER POLE AND OUT BOTTOM OF POWER POLE TO FACTORY INSTALLED RECEPTACLE IN CHECKSTAND BASE DESIGNATED FOR LANE LIGHT, RECEPTACLE IS CONTROLLED BY FACTORY INSTALLED SWITCH LOCATED ON CHECKSTAND. BEFORE TIGHTENING HARDWARE ON LANE LIGHT, ADJUST TO PARTIALLY CONCEAL HOLE. INSTALL SHELVES AND MONITOR BRACKET AT PREDRILLED LOCATIONS. CONTRACTOR TO RUN POWER CORD THROUGH PREDRILLED HOLES IN POWER POLE TO BE PLUGGED INTO DESIGNATED RECEPTACLES.
12. ONE COMPARTMENT POWER POLES, LANE LIGHTS, BRACKETS AND STANDS COME FROM CHECKSTAND MANUFACTURER SUPPLIED BY OWNER INSTALLED BY CONTRACTOR.
13. ALL HIGH VOLTAGE CONDUCTORS MUST BE WRAPPED WITH STEEL JACKETING (MC CABLE).

e-PRO NUMBERS:
Power Pole Ceiling Metro Universal #K-0052766
Light Arm Bracket With Lamp #K-0015235
Cube for Lane Light #K-0037228
Express Topper #K-0037230
ADA Topper #K-0015366 (Deactivated)
Family Friendly Topper (Fred Meyer Only) #K-0045002
Express Lane Topper (Fred Meyer Only) #K-0045000

EURO – METRO CHECKOUT POWER POLE AND LANE LIGHT INSTALLATION — DATE: 6/5/15 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-62C**

ORIGINAL ISSUE DATE 6/5/15



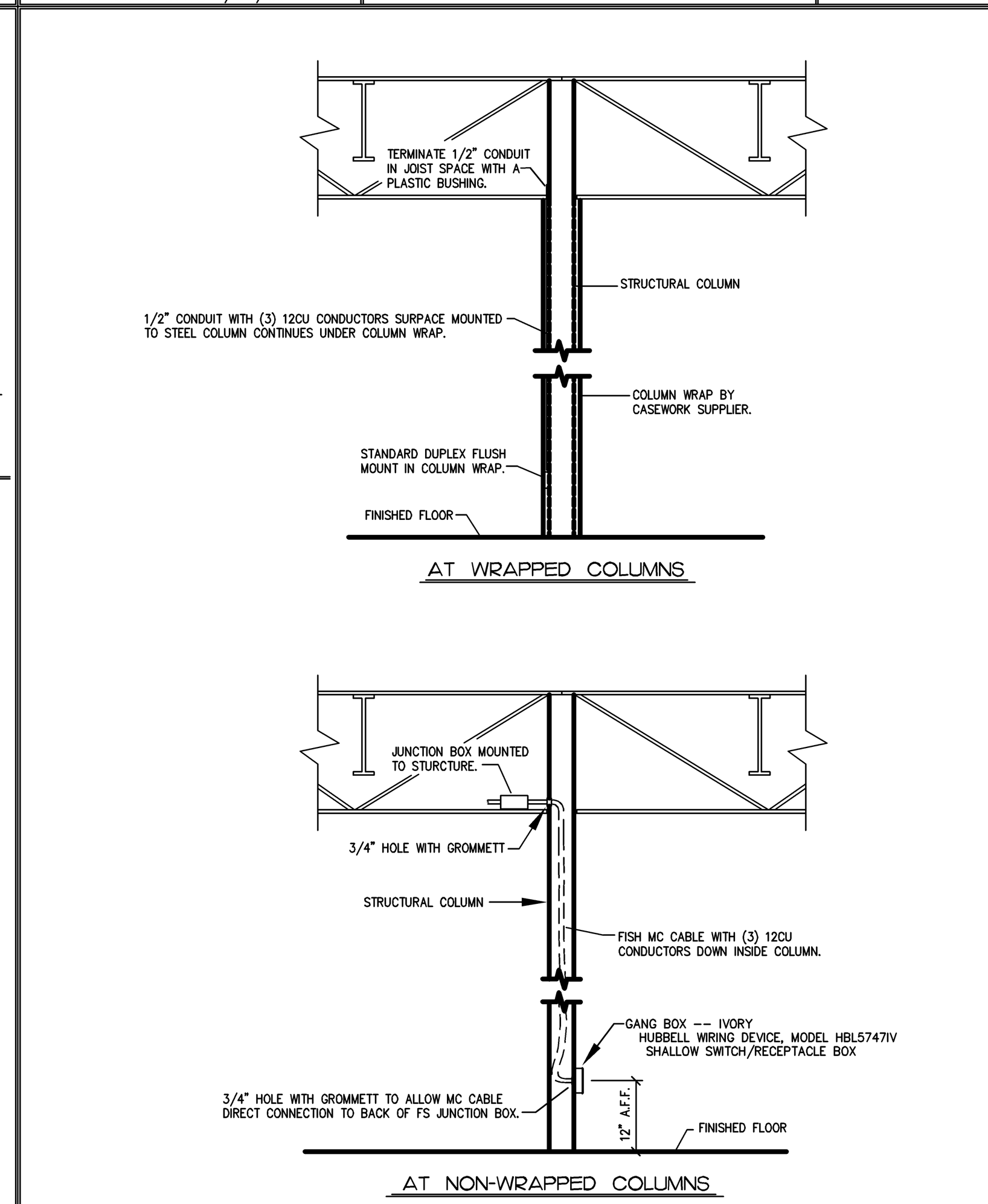
Notes:

1. FOLLOW INSTRUCTIONS FROM CHECKSTAND MANUFACTURER SUPPLIED WITH POWER POLES FOR ASSEMBLY & INITIAL INSTALLATION.
2. POWER POLE WEIGHT IS SUPPORTED BY CHECKSTAND. CUT TOP OF POWER POLE AS NECESSARY AND ATTACH TO BUILDING STRUCTURE.
3. WHEN TOP OF POWER POLE MISSES EXISTING STRUCTURAL STEEL, PROVIDE & SECURELY ATTACH A METAL SUPPORT, SUCH AS UNISTRUT CHANNEL, ACROSS NEAREST JOISTS.
4. SECURELY ATTACH POWER POLE TO EXISTING STRUCTURE OR NEW METAL SUPPORT. DO NOT DRILL THRU, RUN BOLTS THRU, OR SCREW INTO POLE, PREVENT SHARP EDGES WHICH COULD DAMAGE COMMUNICATION CABLES.
5. 3/8" x 5" INSIDE LENGTH x 4" INSIDE WIDTH SQUARE U-BOLT, TO CONNECT TO SLOTTED METAL SUPPORT (UNISTRUT) CHANNEL, WITHOUT DRILLING, IF POWER POLE IS CENTERED ON A SLOT IN METAL SUPPORT (UNISTRUT) CHANNEL. DO NOT OVER TIGHTEN U-BOLT NUTS, LEAVE LOOSE ENOUGH TO PERMIT VERTICAL MOVEMENT OF ROOF STRUCTURE. SIMILAR UNISTRUT HARDWARE MAY BE USED IN LIEU OF U-BOLTS, TO SECURELY ATTACH POWER POLES.
6. HEIGHTS INDICATED RESULT IN POSITIONING BRACKETS TO PARTIALLY COVER SOME ACCESS HOLES.
7. METAL SUPPORT (UNISTRUT), SQUARE U-BOLT AND ATTACHMENT HARDWARE, MC CABLE SUPPLIED AND INSTALLED BY CONTRACTOR. ALL OTHER COMPONENTS SUPPLIED BY OWNER.
8. LANE LIGHT IS SUPPLIED WITH 10'-0" LONG CORD AND STANDARD GROUNDED PLUG. CONTRACTOR TO RUN LANE LIGHT CORD THROUGH PREDRILLED HOLE IN POWER POLE AND OUT BOTTOM OF POWER POLE TO FACTORY INSTALLED RECEPTACLE IN CHECKSTAND BASE DESIGNATED FOR LANE LIGHT, RECEPTACLE IS CONTROLLED BY FACTORY INSTALLED SWITCH LOCATED ON CHECKSTAND. BEFORE TIGHTENING HARDWARE ON LANE LIGHT, ADJUST TO PARTIALLY CONCEAL HOLE. INSTALL SHELVES AND MONITOR BRACKET AT PREDRILLED LOCATIONS. CONTRACTOR TO RUN POWER CORD THROUGH PREDRILLED HOLES IN POWER POLE TO BE PLUGGED INTO DESIGNATED RECEPTACLES.
12. ONE COMPARTMENT POWER POLES, LANE LIGHTS, BRACKETS AND STANDS COME FROM CHECKSTAND MANUFACTURER SUPPLIED BY OWNER INSTALLED BY CONTRACTOR.
13. ALL HIGH VOLTAGE CONDUCTORS MUST BE WRAPPED WITH STEEL JACKETING (MC CABLE).

e-PRO NUMBERS:
Power Pole #K-0001345
Light Arm Bracket With Lamp #K-0015235
Cube for Lane Light #K-0037228
Express Topper #K-0037230
ADA Topper #K-0015366 (Deactivated)
Family Friendly Topper (Fred Meyer Only) #K-0045002
Express Lane Topper (Fred Meyer Only) #K-0045000

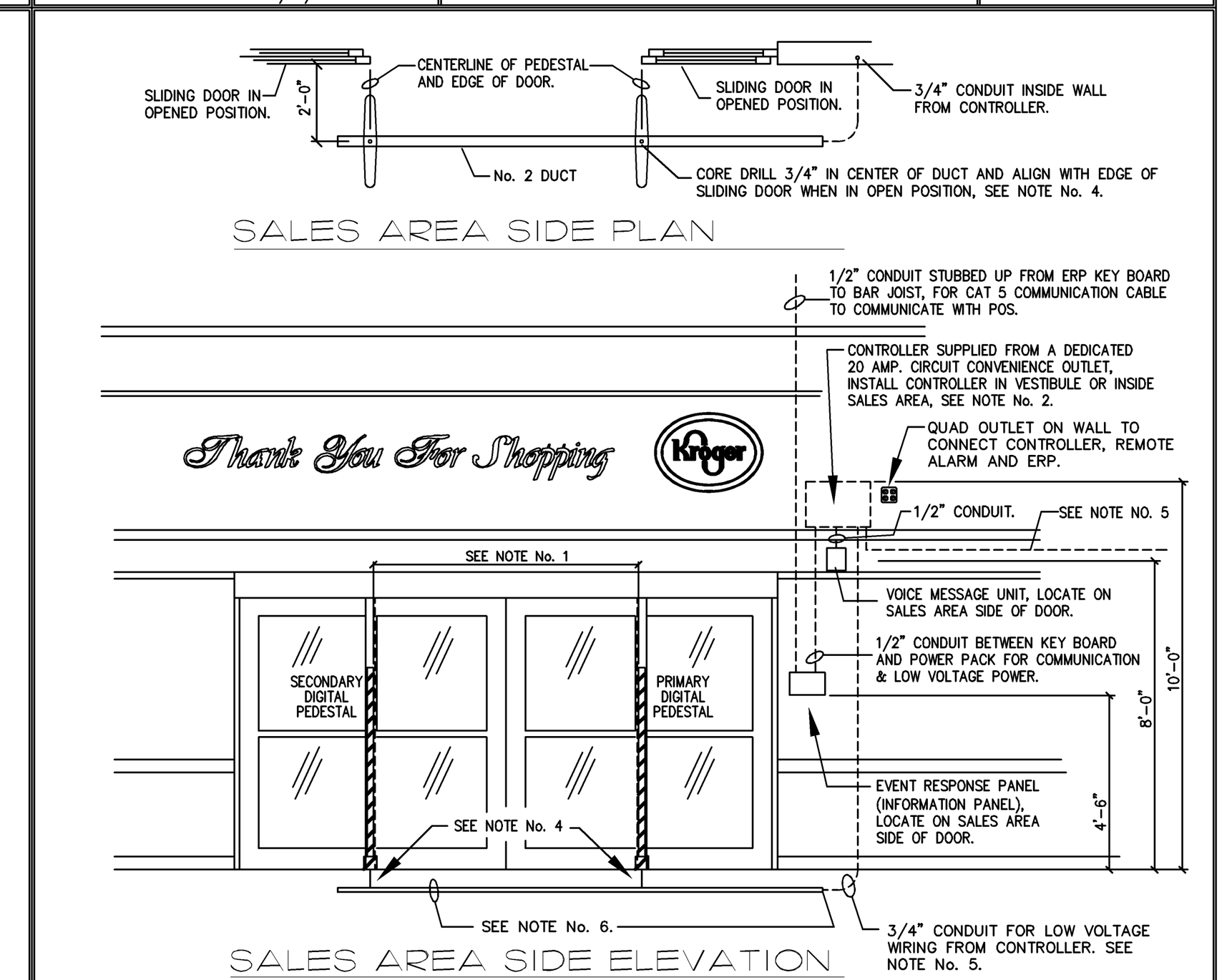
CHECKOUT POWER POLE AND LANE LIGHT INSTALLATION — DATE: 6/5/15 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-62**

ORIGINAL ISSUE DATE 12/19/07



COLUMN MOUNTED CONVENIENCE OUTLET SECTIONS — DATE: 11/10/11 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-54**

ORIGINAL ISSUE DATE 1/30/09



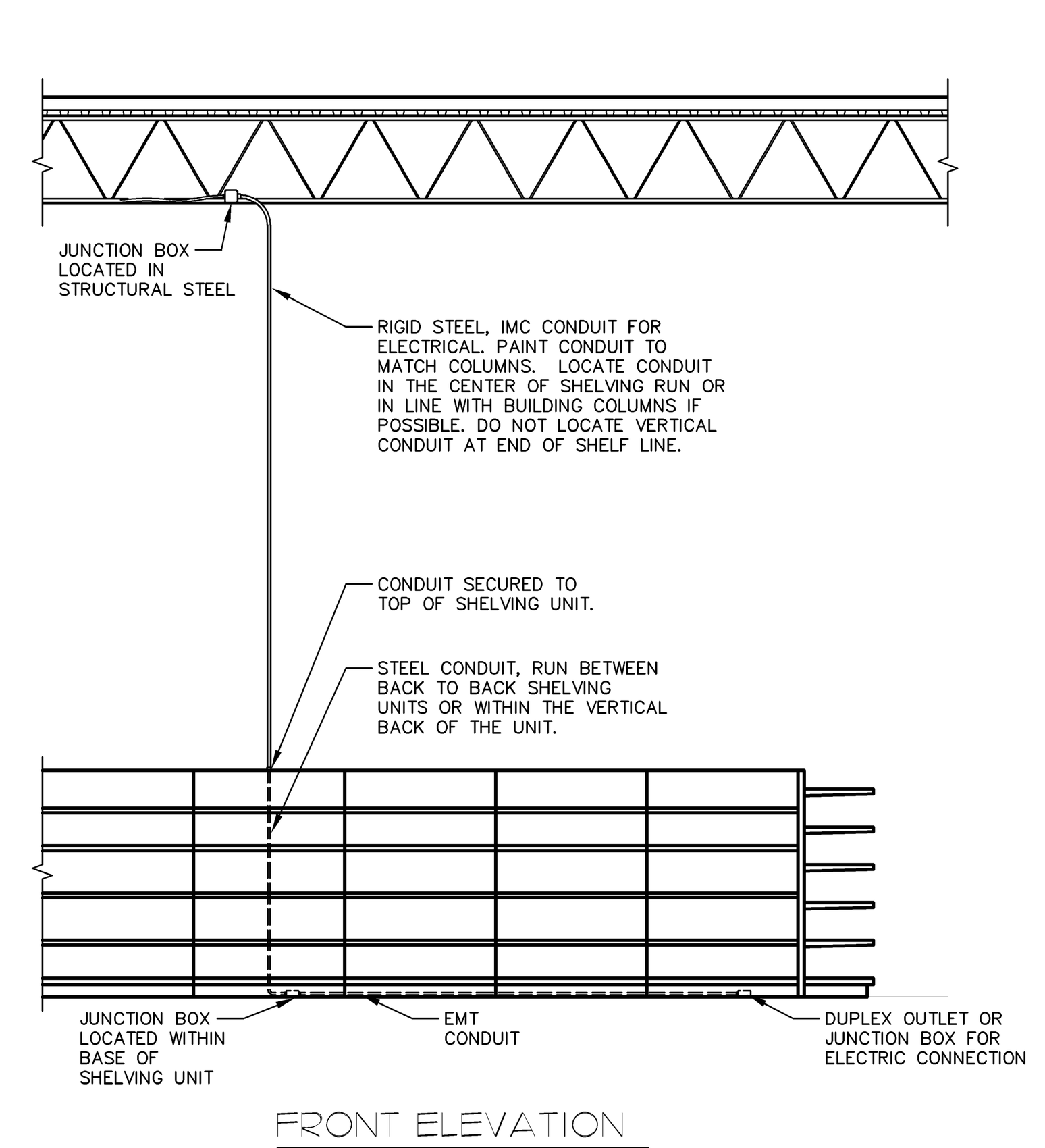
NOTES:

1. DIGITAL PEDESTAL TO BE CENTERED ON CORE DRILLED HOLES, AND SHOULD NOT INTERFERE WITH THE EMERGENCY OPERATION OF DOORS. IF DOORS ARE NOT INSTALLED, SPACE BETWEEN PEDESTALS SHALL NOT EXCEED 8'-0".
2. CABLE LENGTH FROM CONTROLLER AS FOLLOWS:
   CONTROLLER TO DIGITAL PEDESTAL – 45'-0" MAXIMUM CABLE.
   CONTROLLER TO EVENT RESPONSE PANEL – 35'-0" MAXIMUM CABLE.
   CONTROLLER LOCATION INDICATED IS RECOMMENDED FOR VESTIBULES WITH SOLID PARTITIONS.
   FOR VESTIBULES WITHOUT SOLID PARTITIONS (i.e. GLASS) LOCATE CONTROLLER AS BEST MEET FIELD CONDITIONS, BUT MAINTAINING THE MAXIMUM CABLE LENGTH INDICATED ABOVE.
3. CONTROLLER, VOICE MESSAGE UNIT & EVENT RESPONSE PANEL LOCATIONS INDICATED ARE RECOMMENDATIONS ONLY, ADJUST LOCATIONS AS SITE CONDITIONS DICTATE. IF CEILING IS REQUIRED WHERE CONTROLLER IS LOCATED, THEN CONTROLLER MUST BE PLACED BELOW CEILING REGARDLESS OF HEIGHT.
4. ELECTRICAL CONTRACTOR SHALL CORE DRILL 3/4" HOLES AND PROVIDE AFTER SET INSERTS & PULL STRING IN CONDUIT AND IN DUCT FROM PRIMARY PEDESTAL TO SECONDARY PEDESTAL AND FROM CONTROLLER TO PRIMARY PEDESTAL.
5. 3/4" CONDUIT (FOR MAXIMUM 2 PEDESTALS) FOR LOW VOLTAGE WIRING FROM CONTROLLER. ONE CONTROLLER MAY CONTROL TWO SETS OF PEDESTALS, WHEN A SECOND SET IS CONTROLLED PROVIDE (2) 3/4" CONDUIT FOR LOW VOLTAGE WIRING FROM CONTROLLER TO SECOND SET OF PEDESTALS. CABLE/CONDUIT LENGTH NOT TO EXCEED 45 FEET TO THE FARTHEST PEDESTAL. ROUTE CONDUIT INSIDE WALL THEN UNDER FLOOR AND TERMINATE INTO END OF UNDERFLOOR DUCT.
6. FOR NEW CONCRETE FLOOR INSTALL No. 2 UNDERFLOOR DUCT, WITH 3/4" CONDUIT ADAPTER ON END WHERE CONDUIT ENTER DUCT AND A DUCT END PLUG ON OPPOSITE END. TOP OF UNDERFLOOR DUCT TO BE LOCATED BELOW BOTTOM OF FLOOR SLAB. FOR EXISTING CONCRETE FLOORS SAW CUT FLOOR 1/2" WIDE x 1/2" DEEP JOINT FOR CABLING IN LIEU OF UNDERFLOOR DUCT. FILL JOINT WITH POLYUREA JOINT SEALANT TO MATCH ADJACENT JOINTS.

Note:
Detail Based on:
-Sensormatic Security Products.

SURVEILLANCE SYSTEM – ENTRANCE — DATE: 6/5/15 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-52**

ORIGINAL ISSUE DATE 2/20/06

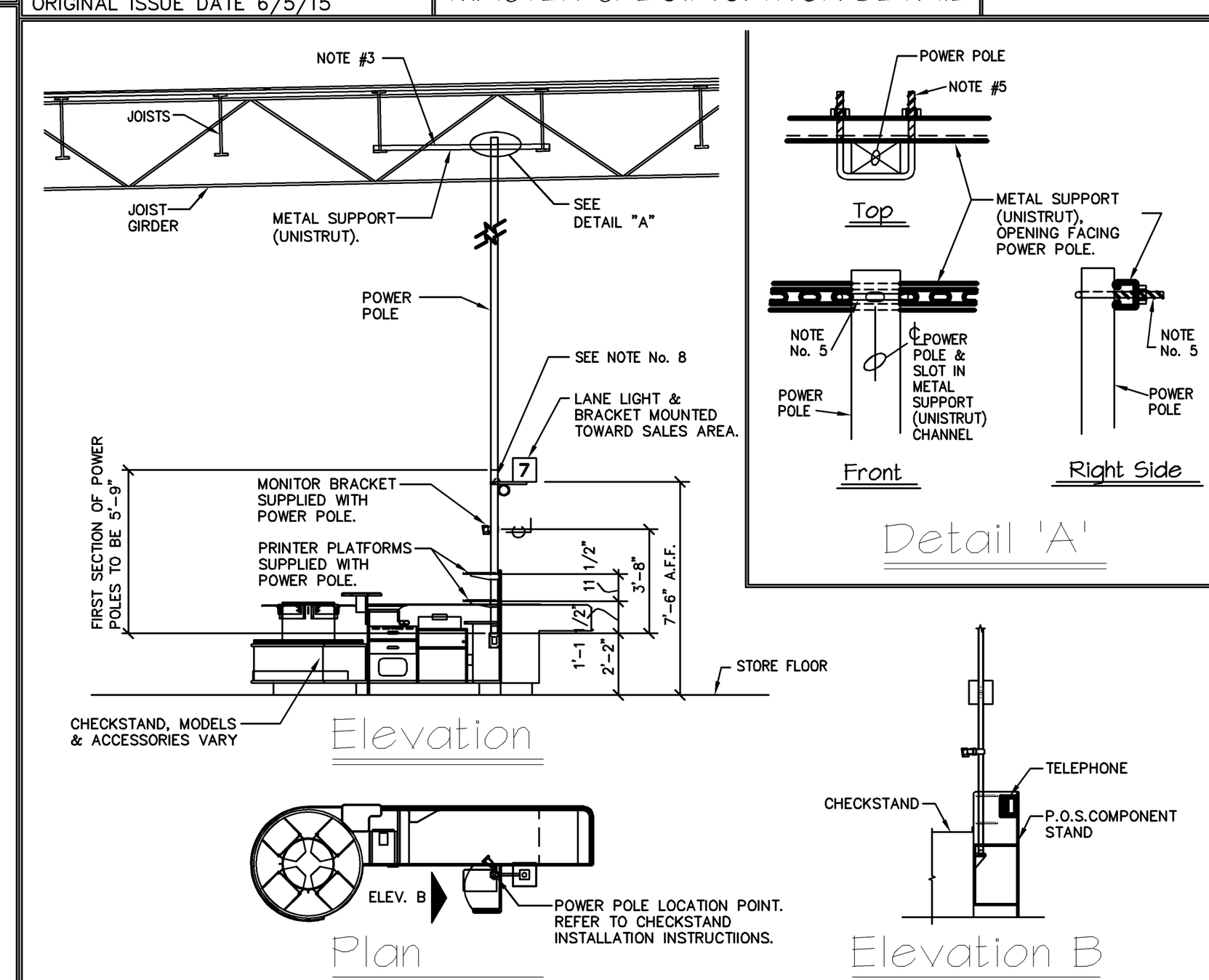


NOTES:

1. DASHED LINES INDICATE HIDDEN CONDUIT IN SHELF BACK AND BASE.

SHELVING ELECTRIC FROM OVERHEAD — DATE: 7/23/12 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **EISD-2**

ORIGINAL ISSUE DATE 7/23/12



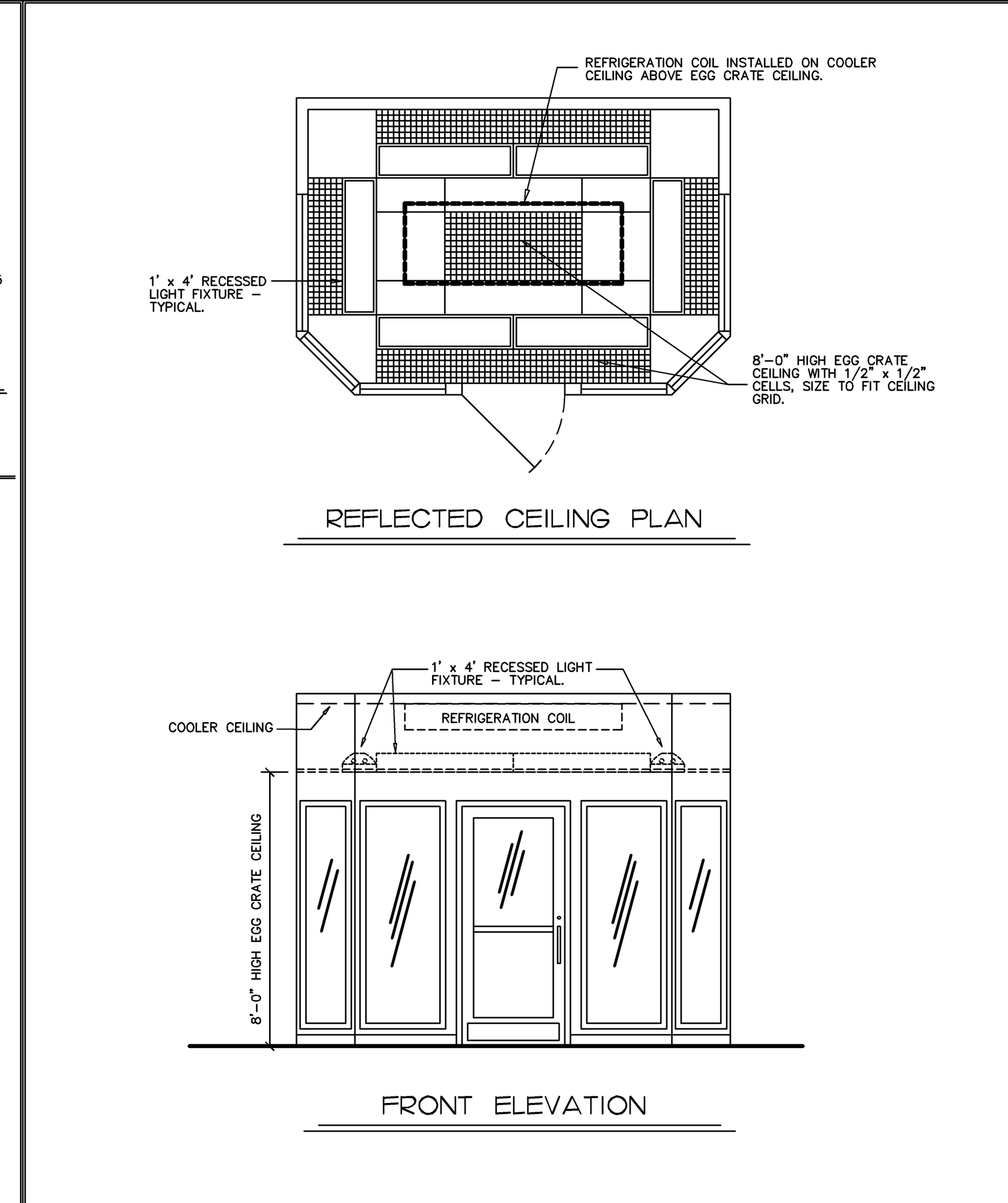
Notes:

1. FOLLOW INSTRUCTIONS FROM CHECKSTAND MANUFACTURER SUPPLIED WITH POWER POLES FOR ASSEMBLY & INITIAL INSTALLATION.
2. POWER POLE WEIGHT IS SUPPORTED BY CHECKSTAND. CUT TOP OF POWER POLE AS NECESSARY AND ATTACH TO BUILDING STRUCTURE.
3. WHEN TOP OF POWER POLE MISSES EXISTING STRUCTURAL STEEL, PROVIDE & SECURELY ATTACH A METAL SUPPORT, SUCH AS UNISTRUT CHANNEL, ACROSS NEAREST JOISTS.
4. SECURELY ATTACH POWER POLE TO EXISTING STRUCTURE OR NEW METAL SUPPORT. DO NOT DRILL THRU, RUN BOLTS THRU, OR SCREW INTO POLE, PREVENT SHARP EDGES WHICH COULD DAMAGE COMMUNICATION CABLES.
5. 3/8" x 5" INSIDE LENGTH x 4" INSIDE WIDTH SQUARE U-BOLT, TO CONNECT TO SLOTTED METAL SUPPORT (UNISTRUT) CHANNEL, WITHOUT DRILLING, IF POWER POLE IS CENTERED ON A SLOT IN METAL SUPPORT (UNISTRUT) CHANNEL. DO NOT OVER TIGHTEN U-BOLT NUTS, LEAVE LOOSE ENOUGH TO PERMIT VERTICAL MOVEMENT OF ROOF STRUCTURE. SIMILAR UNISTRUT HARDWARE MAY BE USED IN LIEU OF U-BOLTS, TO SECURELY ATTACH POWER POLES.
6. HEIGHTS INDICATED RESULT IN POSITIONING BRACKETS TO PARTIALLY COVER SOME ACCESS HOLES.
7. METAL SUPPORT (UNISTRUT), SQUARE U-BOLT AND ATTACHMENT HARDWARE, MC CABLE SUPPLIED AND INSTALLED BY CONTRACTOR. ALL OTHER COMPONENTS SUPPLIED BY OWNER.
8. LANE LIGHT IS SUPPLIED WITH 10'-0" LONG CORD AND STANDARD GROUNDED PLUG. CONTRACTOR TO RUN LANE LIGHT CORD THROUGH PREDRILLED HOLE IN POWER POLE AND OUT BOTTOM OF POWER POLE TO FACTORY INSTALLED RECEPTACLE IN CHECKSTAND BASE DESIGNATED FOR LANE LIGHT, RECEPTACLE IS CONTROLLED BY FACTORY INSTALLED SWITCH LOCATED ON CHECKSTAND. BEFORE TIGHTENING HARDWARE ON LANE LIGHT, ADJUST TO PARTIALLY CONCEAL HOLE. INSTALL SHELVES AND MONITOR BRACKET AT PREDRILLED LOCATIONS. CONTRACTOR TO RUN POWER CORD THROUGH PREDRILLED HOLES IN POWER POLE TO BE PLUGGED INTO DESIGNATED RECEPTACLES.
12. ONE COMPARTMENT POWER POLES, LANE LIGHTS, BRACKETS AND STANDS COME FROM CHECKSTAND MANUFACTURER SUPPLIED BY OWNER INSTALLED BY CONTRACTOR.
13. ALL HIGH VOLTAGE CONDUCTORS MUST BE WRAPPED WITH STEEL JACKETING (MC CABLE).

e-PRO NUMBERS:
Power Pole #K-0001345
Light Arm Bracket With Lamp #K-0015235
Cube for Lane Light #K-0037228
Express Topper #K-0037230
ADA Topper #K-0015366 (Deactivated)
Family Friendly Topper (Fred Meyer Only) #K-0045002
Express Lane Topper (Fred Meyer Only) #K-0045000

CAROUSEL CHECKOUT POWER POLE AND LANE LIGHT INSTALLATION — DATE: 6/5/15 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-62B**

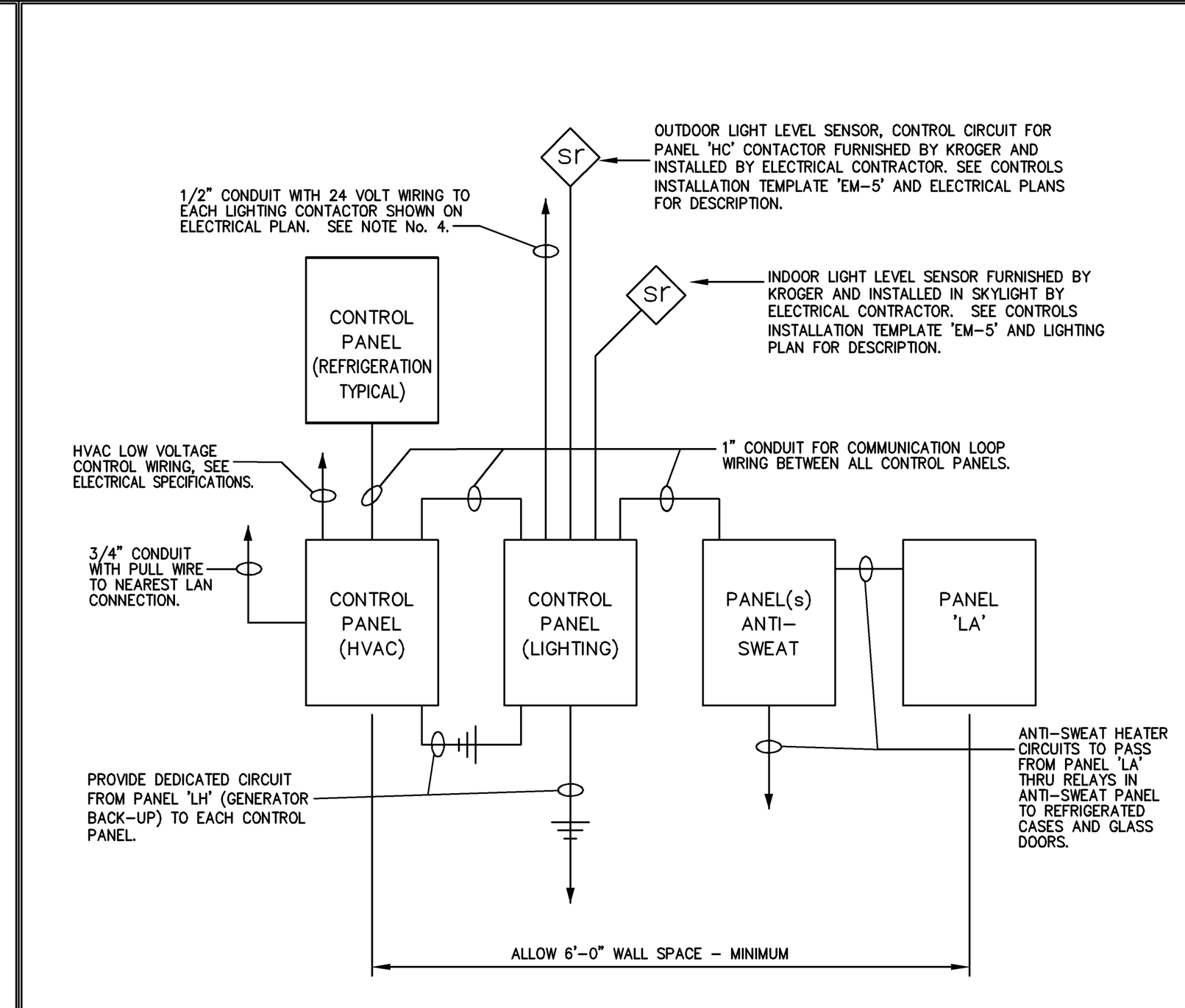
ORIGINAL ISSUE DATE 11/21/14



Light Fixture:
H -- 1' X 4' PARABOLIC (12 CELL) 2T8 LAMPS RECESSED LIGHT FIXTURE.

WINE COOLER LIGHTING — DATE: 3/13/12 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-56**

ORIGINAL ISSUE DATE 10/2/06



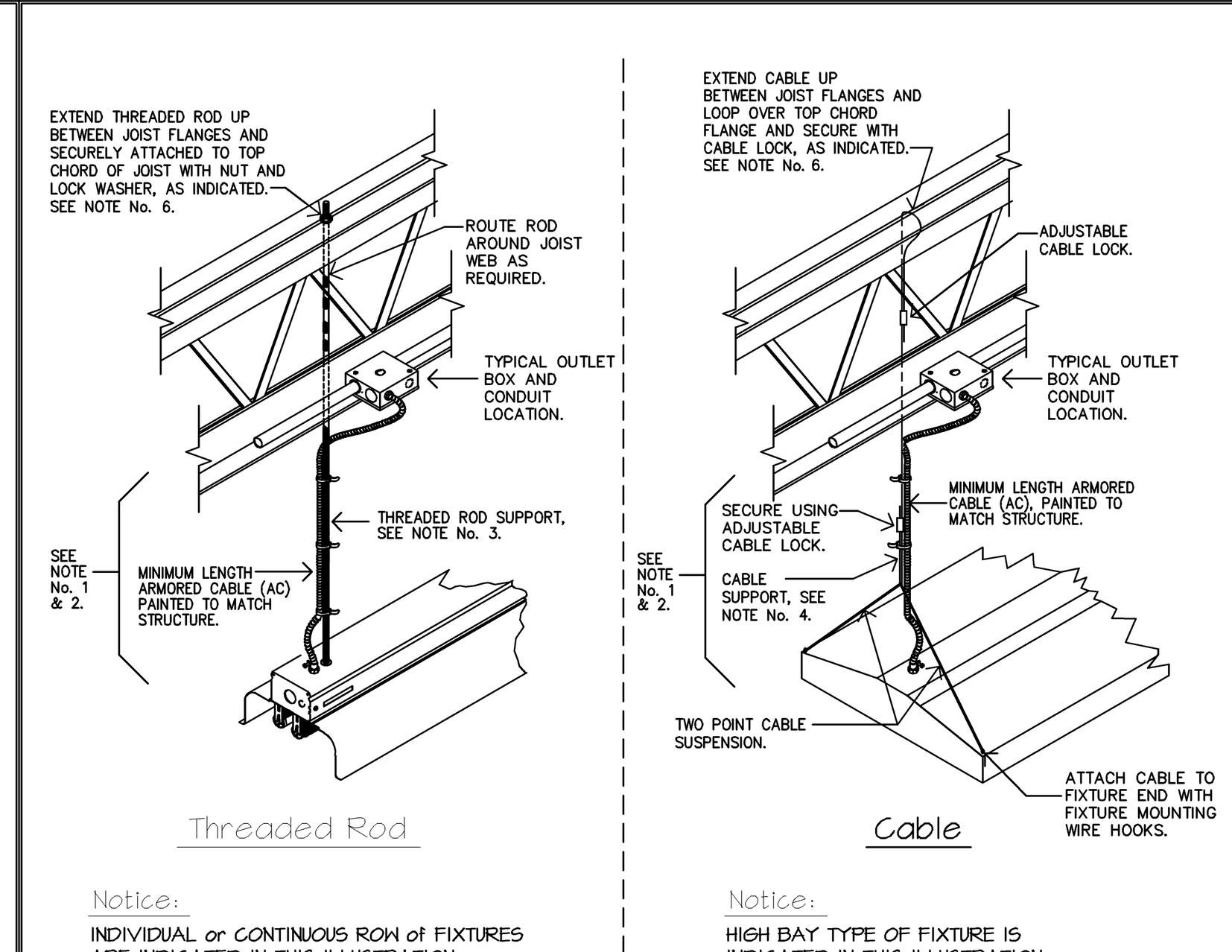
Notice:
Installing Contractor to adapt Control System as required for Controls Installed -- CPC or Danfoss.

Notes:

1. ALL ELECTRICAL APPARATUS SHOWN, SHALL BE FURNISHED BY KROGER. ALL EQUIPMENT TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. ALL CONDUIT AND 120 VOLT WIRING IS FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. ALL LOW VOLTAGE HVAC CONTROL AND TELEPHONE WIRING IS BY OTHERS.
4. EACH LIGHTING CONTACTOR FURNISHED BY KROGER SHALL CONTAIN A TWO-WIRE CONTROL MODULE FOR 24 VOLT AC CONNECTION. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE 24 VOLT CONTROL WIRING TO EACH LIGHTING CONTACTOR COIL.

CONTROL PANEL DIAGRAM — DATE: 1/11/11 SCALE: NONE DRAWN: JFQ — MASTER SPECIFICATION DETAIL — **ESD-53**

ORIGINAL ISSUE DATE 2/20/06



Notice:
INDIVIDUAL or CONTINUOUS ROW of FIXTURES ARE INDICATED IN THIS ILLUSTRATION.

Notice:
HIGH BAY TYPE OF FIXTURE IS INDICATED IN THIS ILLUSTRATION.

Note:

1. HANG INDIVIDUALLY MOUNTED FIXTURES BY ONE POINT AT EACH END (MINIMUM) PER MANUFACTURER'S INSTRUCTIONS. ATTACHMENTS MUST BE SUPPORTED AT INTERVALS OF EVERY 6'-0", COMPLYING WITH NEC 330.30.
2. FIXTURE SUPPORT AND POWER CONNECTION FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AS REQUIRED BY GOVERNING CODES. MOUNT FIXTURES BY THREADED RODS OR CABLES.
3. 1/8" MINIMUM DIAMETER THREADED ROD SUPPORT (NUMBER AS NEEDED TO SUPPORT FIXTURE RUN), SECURELY ATTACH BOTH ENDS OF ROD TO FIXTURE AND TOP OF JOIST AS REQUIRED.
4. 1/16" MINIMUM DIAMETER STANDARD STEEL WIRE ROPE OR STAINLESS STEEL AIRCRAFT CABLE (NUMBER & SIZE AS NEEDED TO SUPPORT FIXTURES). SECURELY ATTACH CABLE TO JOIST AND FIXTURE.
5. FOR STORE REMODEL USE FIXTURE MOUNTING SUPPORT TO MATCH EXISTING. FIXTURES TO BE LEVEL AND ALIGN WITH SURROUNDING FIXTURES. THREADED ROD MAY BE USED AT LOCATIONS WHERE FIXTURES NEED TO BE PREVENTED FROM SWAYING.
6. ATTACHMENTS CAN BE MADE TO EITHER TOP CHORD OF JOIST OR UNISTRUT CHANNEL SPANNING JOIST, ATTACHMENT OF FIXTURES TO ROOF METAL DECKING WILL NOT BE PERMITTED.

FIXTURE MOUNTING DETAIL — DATE: 12/13/11 SCALE: NONE DRAWN: ZAW — MASTER SPECIFICATION DETAIL — **ESD-51**

ORIGINAL ISSUE DATE 11/15/05

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issued for: BIDS & PERMITS 06-26-2015
80% OWNER REVIEW 06-22-2015

PROPOSED INTERIOR REMODEL FOR:

Kroger

STORE NO. D-361

425 N. CENTER STREET
NORTHVILLE, MI 48167

THE KROGER CO. OF MICHIGAN

jeffery a. scott architects p.c.
32316 grand river ave. suite 200
farmington, michigan 48336-3261
(248) 476-8800 fax (248) 476-8833

ELECTRICAL STANDARD DETAILS

project no.	sheet no.
15100	E5.1.2

PLOT FULL SIZE @ 30"x42"