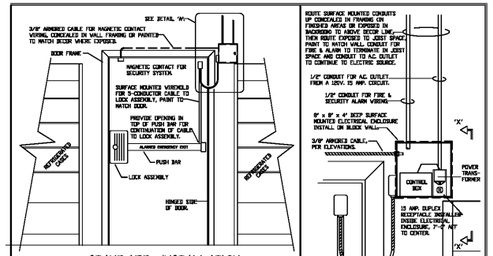
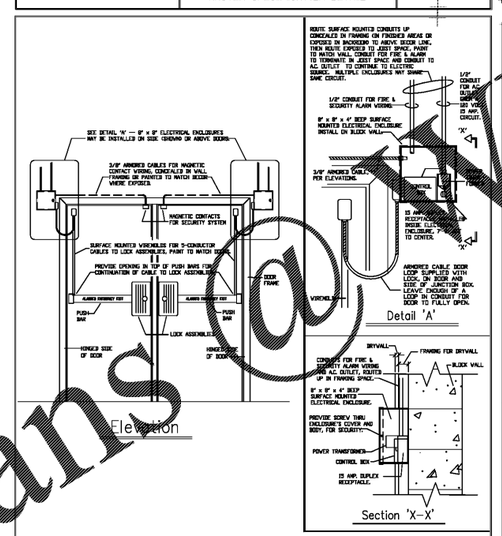


NOTICE:

1. ALARM SYSTEM INDICATED IS BASE ON "ALARM LOCK PUSH BAR MODEL 705" WITH DELAYED EGRESS PANIC LOCK, DELAYED EGRESS FEATURE MAY BE DEACTIVATED IF NOT NEEDED.
2. CONTRACTOR SUPPLIED ITEMS: 1/2 CONDUIT, 3/8" ARMORED CABLE, HARDWARE, 7/8" x 7/16" VIBORELD (4408MC or EQUAL), 8" x 8" x 4" ELECTRICAL ENCLOSURE (HUBBELL WIEGMANN Cat# AD80804 or EQUAL), 4" x 2" x 1 1/2" MAXIMUM HANDY BOX (ORACO 638 or EQUAL), 15 AMP DUPLEX RECEPTACLE AND HANDY BOX DUPLEX PLATE.

Note:
Refer to ESD-22A for Double Door Installation.

ALARMED EMERGENCY SINGLE EXIT DOOR	DATE: 4/1/10 SCALE: NONE DRAWN: JFQ
MASTER SPECIFICATION DETAIL	ESD-22

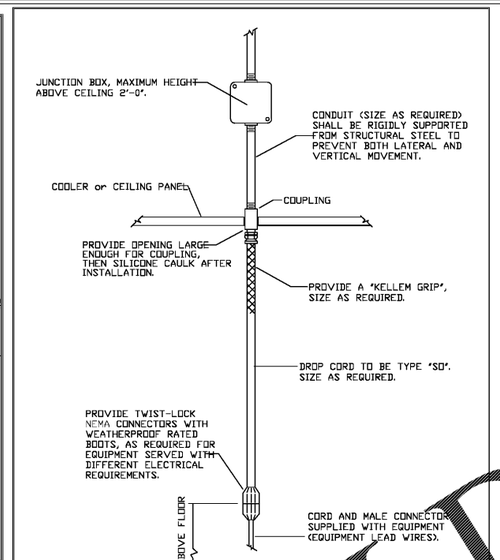


Notices:

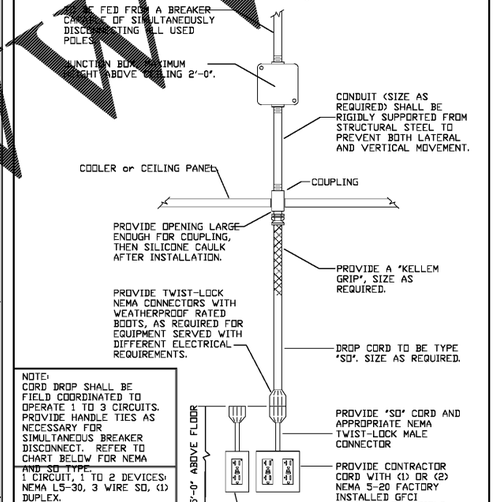
1. ALARM SYSTEM INDICATED IS BASE ON "ALARM LOCK PUSH BAR MODEL 705" WITH DELAYED EGRESS PANIC LOCK, DELAYED EGRESS FEATURE MAY BE DEACTIVATED IF NOT NEEDED.
2. CONTRACTOR SUPPLIED ITEMS: 1/2 CONDUITS, 3/8" ARMORED CABLES, HARDWARE, 7/8" X 7/16" VIBORELD (4408MC or EQUAL), 8" x 8" x 4" ELECTRICAL ENCLOSURES (HUBBELL WIEGMANN Cat# AD80804 or EQUAL), 4" x 2" X 1 1/2" MAXIMUM HANDY BOXES (ORACO 638 or EQUAL) 15 AMP DUPLEX RECEPTACLES AND HANDY BOX DUPLEX PLATE

Note:
Refer to ESD-22 for Single Door Installation.

ALARMED EMERGENCY DOUBLE EXIT DOOR	DATE: 8/8/11 SCALE: NONE DRAWN: ZAW
	ESD-22A



ELECTRIC DROP CORD DETAIL	DATE: 10/9/13 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAILS	ESD-16



NOTE:
CORD DROP SHALL BE FIELD COORDINATED TO OPERATE 1 TO 3 CIRCUITS. PROVIDE HANDLE TIES AS NECESSARY FOR SIMULTANEOUS BREAKER DISCONNECT. REFER TO CHART BELOW FOR NEMA AND SO TYPE.

1 CIRCUIT, 1 TO 2 DEVICES: NEMA L5-30, 3 WIRE SO, (1) DUPLEX.

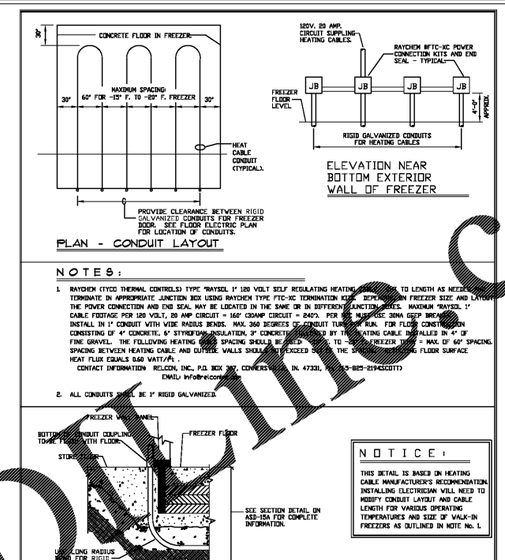
1 CIRCUIT 3-4 DEVICES: NEMA L5-30, 3 WIRE SO, (2) DUPLEX.

2 CIRCUIT, 1 TO 2 DEVICES: NEMA L14-30, 4 WIRE SO, (1) DUPLEX WITH TABS CUT.

2 CIRCUIT 3-4 DEVICES: NEMA L14-30, 4 WIRE SO, (2) DUPLEX, EACH TO ONE CIRCUIT.

3 CIRCUIT 3-4 DEVICES: NEMA L21-30, 5 WIRE SO, (2) DUPLEX, (1) WITH TABS CUT.

ELECTRIC DROP CORD DETAIL FOR MULTIPLE OUTLETS	DATE: 10/9/13 SCALE: NONE DRAWN: ZAW
	ESD-16A



NOTES:

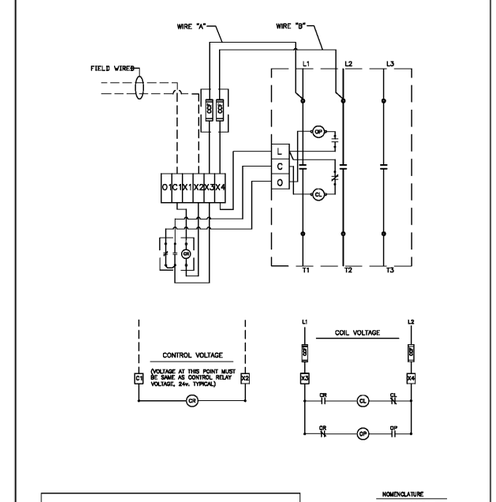
1. RAYCHEM (TYCO THERMAL CONTROLS) TYPE "RAYSOL 1" 120 VOLT SELF REGULATING HEATING CABLE SHALL BE CUT TO LENGTH AS NEEDED TO TERMINATE IN APPROPRIATE JUNCTION BOX USING RAYCHEM TYPE RTC-XC TERMINATION KITS. REFER TO FREEZER SIZE AND LAYOUT. THE POWER CONNECTION AND END SEAL MAY BE LOCATED IN THE SAME OR IN DIFFERENT JUNCTION BOXES. MAXIMUM "RAYSOL 1" CABLE FOOTAGE PER 120 VOLT, 20 AMP CIRCUIT = 160' (15AMP CIRCUIT = 240'). PER NEC, A 15 AMP/SEC 20MA GFCI BREAKER SHALL INSTALL IN 1" CONDUIT WITH VIDE RADIUS BENDS. MAX. 360 DEGREES OF CONDUIT TURNS PER RUN. FOR FLOOR CONSTRUCTION CONSISTING OF 4" CONCRETE, 6" STYROFOAM INSULATION, 3" CONCRETE COVERED BY TEMPERATING CABLE INSTALLED IN 4" OF FINE GRAVEL. THE FOLLOWING HEATING CABLE SPACING SHALL BE USED: 30" - MAX. OF 60" FREEZER TEMP. - MAX. OF 60" SPACING. SPACING BETWEEN HEATING CABLE AND EXTERIOR WALLS SHALL BE 30" FOR FREEZER TEMP. - MAX. OF 60" SPACING. SPACING BETWEEN HEATING CABLE AND EXTERIOR WALLS SHALL BE 30" FOR FREEZER TEMP. - MAX. OF 60" SPACING. THE SPACING BETWEEN HEATING CABLE AND FLOOR SURFACE HEAT FLUX EQUALS 660 WATT/Ft².
   CONTACT INFORMATION RELCON, INC., P.O. BOX 307, COMMERCE, IN. 47331, (765-825-2194)(CUTT)
   EMAIL: info@relcon.com
2. ALL CONDUITS SHALL BE 1" RIGID GALVANIZED.

NOTICE:

THIS DETAIL IS BASED ON HEATING CABLE MANUFACTURER'S RECOMMENDATION. INSTALLING ELECTRICIAN WILL NEED TO MODIFY CONDUIT LAYOUT AND CABLE LENGTH FOR VARIOUS OPERATING TEMPERATURES AND SIZE OF WALK-IN FREEZERS AS OUTLINED IN NOTE No. 1.

UNDERFLOOR HEATING FOR FREEZER 200 SQ. FT. AND GREATER	DATE: 6/5/15 SCALE: NONE DRAWN: ZAW
MASTER SPECIFICATION DETAIL	ESD-7

ORIGINAL ISSUE DATE 2/20/06



CR160MC MECHANICALLY HELD CONTACTOR WIRING OPTIONS USED FOR 2- WIRE CONTROL, WHEN CONTACTOR COIL VOLTAGE IS DIFFERENT FROM CONTROL VOLTAGE.

NOMENCLATURE
OP – OPENING COIL
CL – CLOSING COIL
CCF – CONTROL CIRCUIT FUSE
CR – CONTROL RELAY
* – WHEN ORDERED

Note:
REFER TO THE NATIONAL ELECTRIC CODE OR LOCAL ELECTRIC CODE AS REQUIRED.

LIGHTING CONTACTOR WIRING DIAGRAM	DATE: 7/8/10 SCALE: NONE DRAWN: jq
MASTER SPECIFICATION DETAIL	ESD-13

ORIGINAL ISSUE DATE 10/9/13

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A With-in-the-Walls Remodel for:
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4355 WASHINGTON ROAD, EVANS, GEORGIA 30809

ELECTRICAL STANDARD DETAILS (ESD)

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