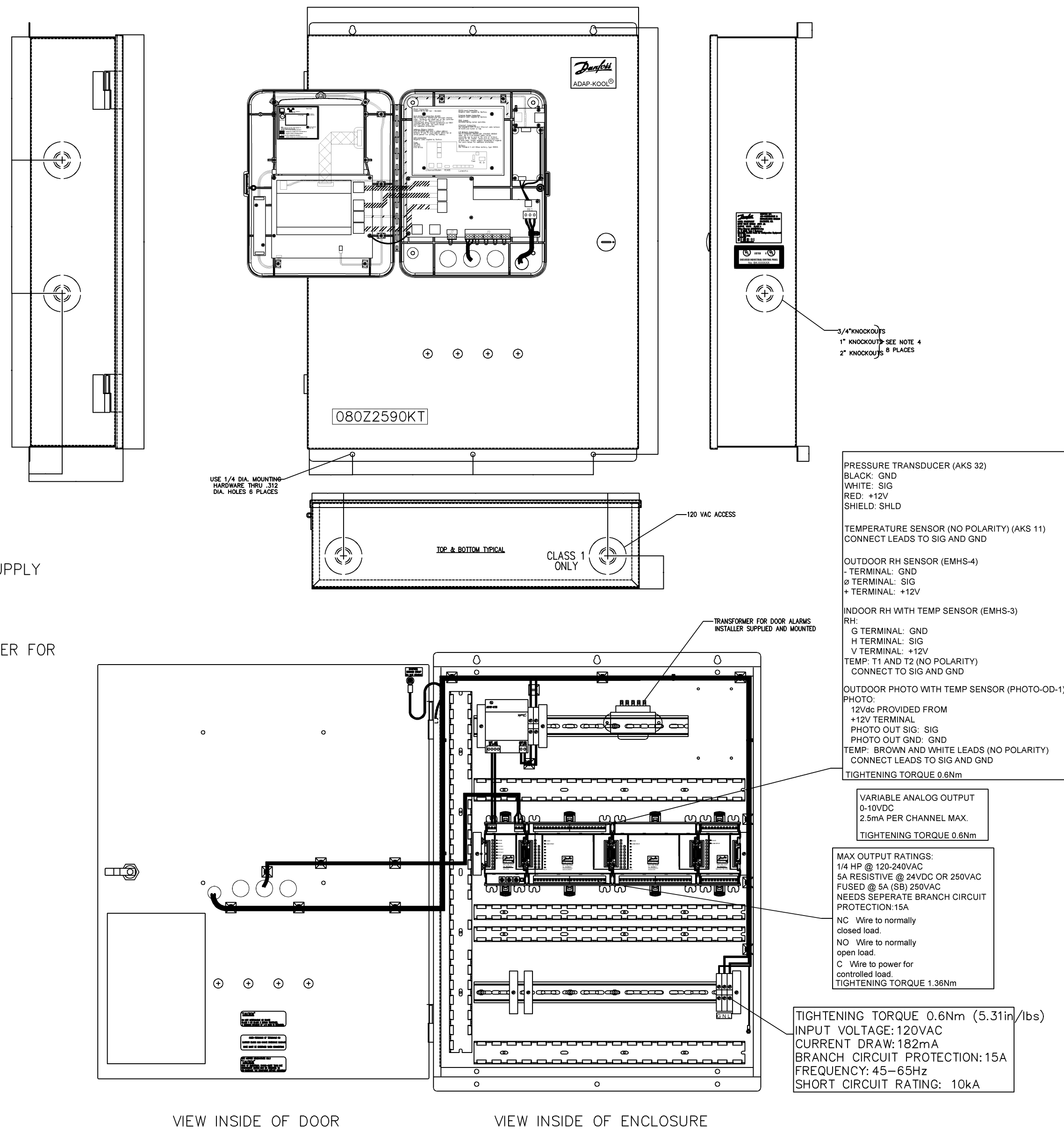


- NOTE:
1. INSTALL ENCLOSURE ON A VIBRATION FREE SURFACE. MARK HOLE LOCATIONS. USE APPROPRIATE HARDWARE FOR MOUNTING TO STRUCTURE.
 2. FOLLOW ALL NATIONAL AND LOCAL ELECTRICAL CODES WHEN INSTALLING.
 3. WHEN INSERTING WIRING, BE SURE HIGH AND LOW VOLTAGE WIRES ARE ISOLATED.
 4. ALL REMOVED KNOCKOUTS MUST HAVE CONDUIT FITTINGS INSTALLED.
 5. MULTIPLE DISCONNECTS MAY BE NEEDED. ALL DISCONNECTS AS WELL AS BRANCH CIRCUIT PROTECTION SHOULD BE PROVIDED BY INSTALLER.

DANFOSS ENVIRONMENTAL CONTROL PANEL KIT INCLUDES:

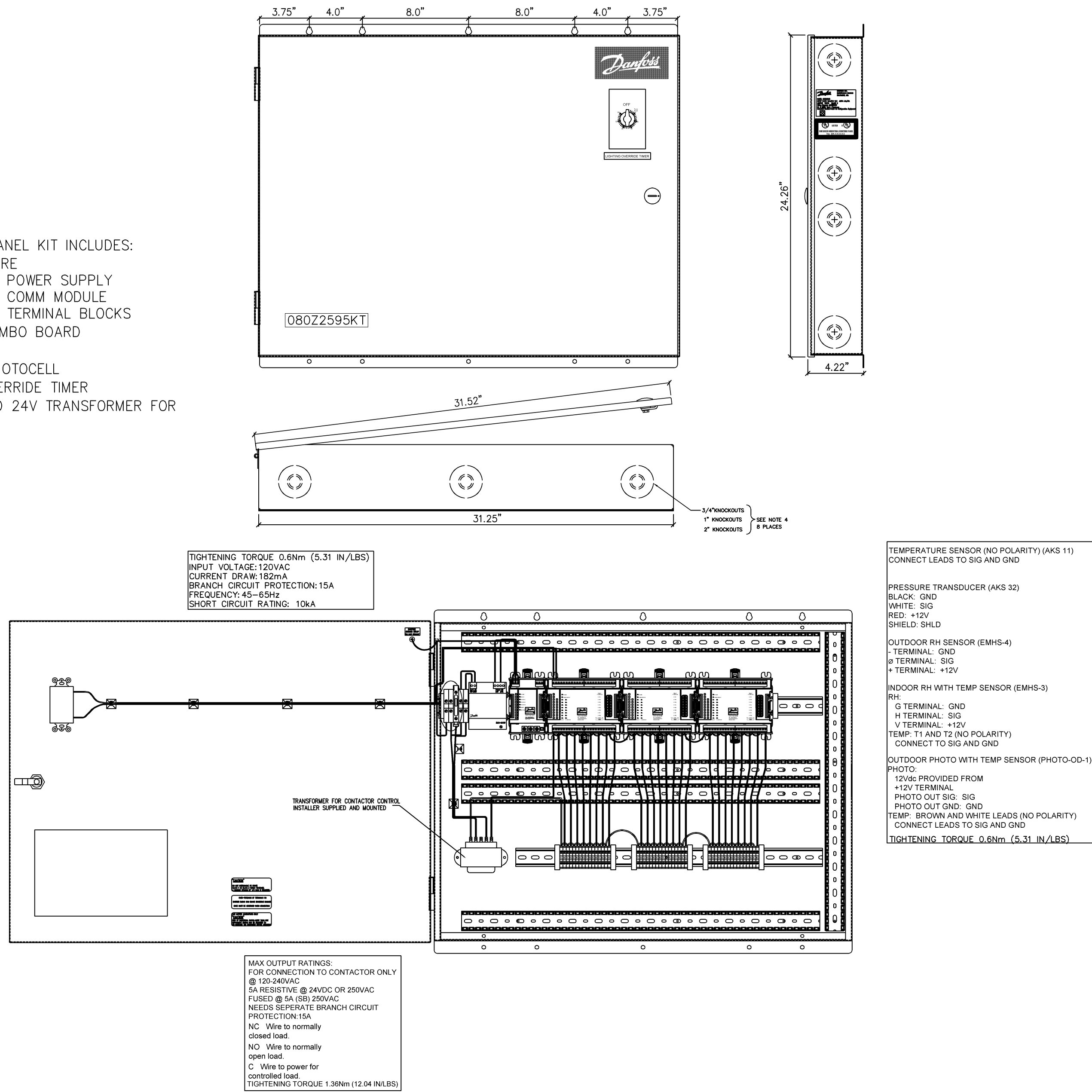
- ONE (1) 22" X 28" ENCLOSURE
- FLUSH MOUNTED AK2-SC255 CONTROLLER
- FACTORY WIRED & MOUNTED POWER SUPPLY
- FACTORY WIRED & MOUNTED COMM MODULES
- ONE (1) LOOSE 8AI/8RO COMBO BOARD
- ONE (1) LOOSE XM-103A BOARD & POWER SUPPLY
- ONE (1) LOOSE OUTDOOR WEATHER STATION
- ONE (1) LOOSE INDOOR TEMP/RH SENSOR
- ONE (1) LOOSE BAO BOARD
- ONE (1) INSTALLER SUPPLIED 24V TRANSFORMER FOR RELAY CONTROL



- NOTE:
1. INSTALL ENCLOSURE ON A VIBRATION FREE SURFACE. MARK HOLE LOCATIONS. USE APPROPRIATE HARDWARE FOR MOUNTING TO STRUCTURE.
 2. FOLLOW ALL NATIONAL AND LOCAL ELECTRICAL CODES WHEN INSTALLING.
 3. WHEN INSERTING WIRING, BE SURE HIGH AND LOW VOLTAGE ARE KEEP ISOLATED.
 4. ALL REMOVED KNOCKOUTS MUST HAVE CONDUIT FITTINGS INSTALLED.

DANFOSS LIGHTING CONTROL PANEL KIT INCLUDES:

- ONE (1) 24" X 31" ENCLOSURE
- FACTORY WIRED & MOUNTED POWER SUPPLY
- FACTORY WIRED & MOUNTED COMM MODULE
- FACTORY WIRED & MOUNTED TERMINAL BLOCKS
- TWO (2) LOOSE 8AI/8RO COMBO BOARD
- ONE (1) LOOSE 8RO BOARD
- ONE (1) LOOSE SKYLIGHT PHOTOCELL
- ONE (1) DOOR MOUNTED OVERRIDE TIMER
- ONE (1) INSTALLER SUPPLIED 24V TRANSFORMER FOR RELAY CONTROL



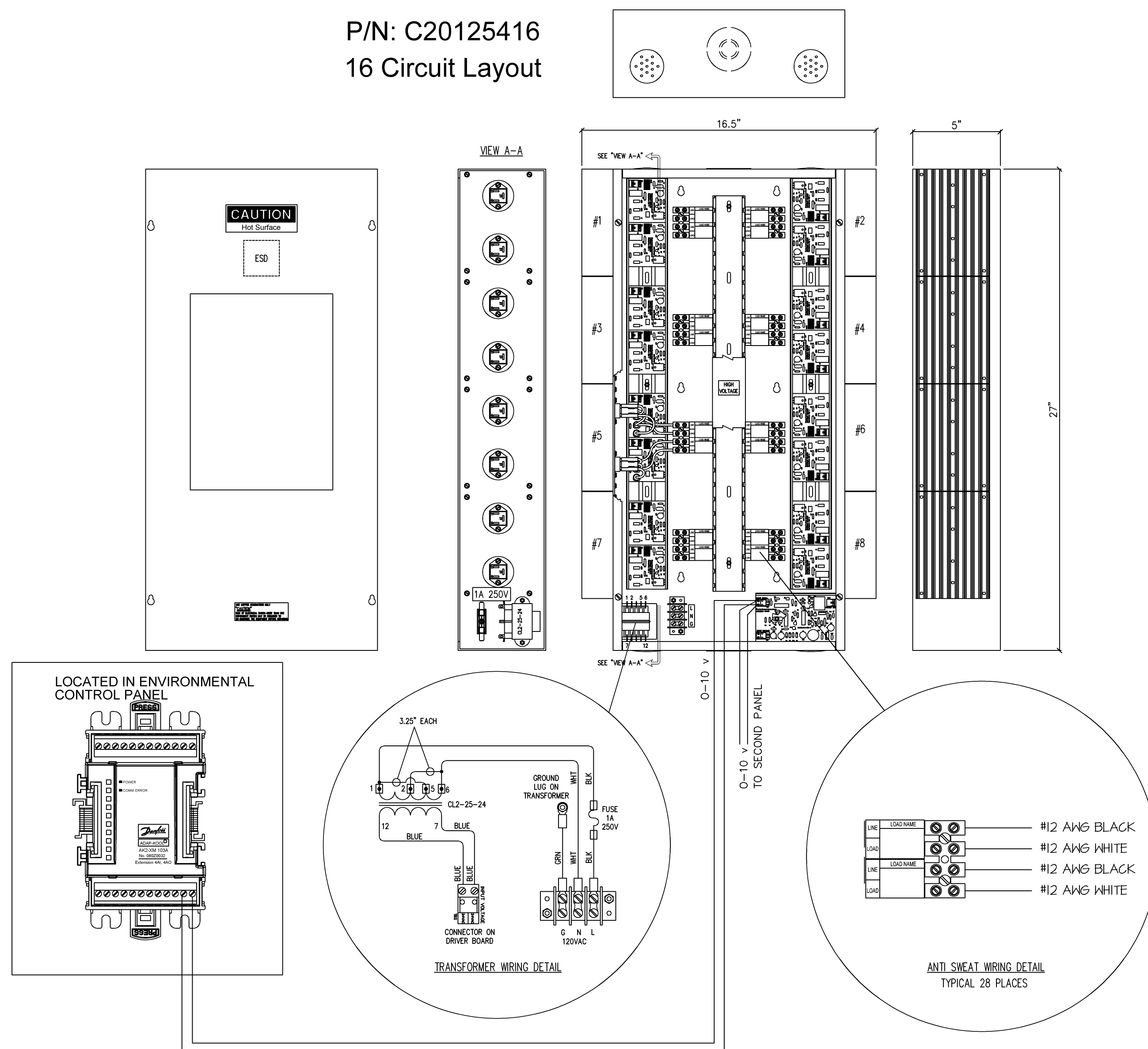
1 CONTROL SYSTEM - DANFOSS ENVIRONMENTAL CONTROL PANEL

SCALE: NONE

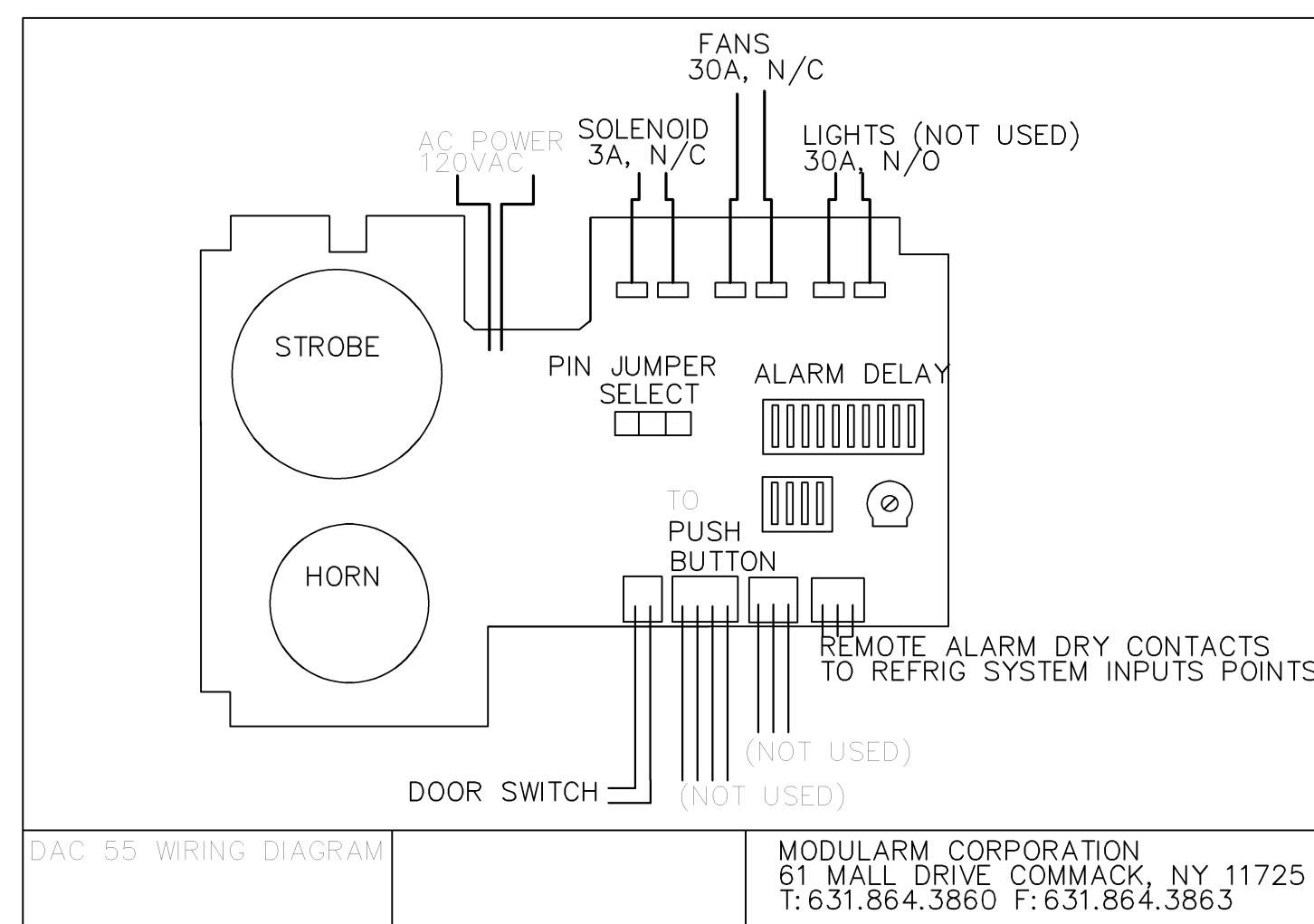
2 CONTROL SYSTEM - DANFOSS LIGHTING CONTROL PANEL

SCALE: NONE

P/N: C20125416
16 Circuit Layout



3 CONTROL SYSTEM - NO SWEAT DIAGRAM (TWO PANELS REQUIRED) (NOT REQUIRED WHEN CASE CONTROL.)



- FOR REFERENCE ONLY - CONSTRUCTION GUIDELINES

THESE DRAWINGS ARE GUIDELINES FOR THE TYPICAL CONDITIONS AND DETAILS NEEDED TO INSTALL THE ENERGY MANAGEMENT SYSTEM. REFER TO EM-2 FOR TERMINATION PLAN AND STORE SPECIFIC LAYOUT. ALL WORK REQUIRED TO INSTALL, PROGRAM, CONNECT AND START THE ENERGY MANAGEMENT SYSTEM SHALL BE INCLUDED UNDER THE GENERAL CONTRACTORS SCOPE OF SERVICES. SEE RESPONSIBILITIES MATRIX SHEET EM-1. PROGRESS SERVICE TECHNOLOGY WILL BE AVAILABLE TO CONSULT WITH THE ENERGY MANAGEMENT SYSTEM CONTRACTOR FOR SYSTEM PROGRAM SEQUENCING QUESTIONS AND PREFERENCES, BUT THE SET UP AND WORK WILL BE PROVIDED BY THE ENERGY MANAGEMENT SYSTEM CONTRACTOR.

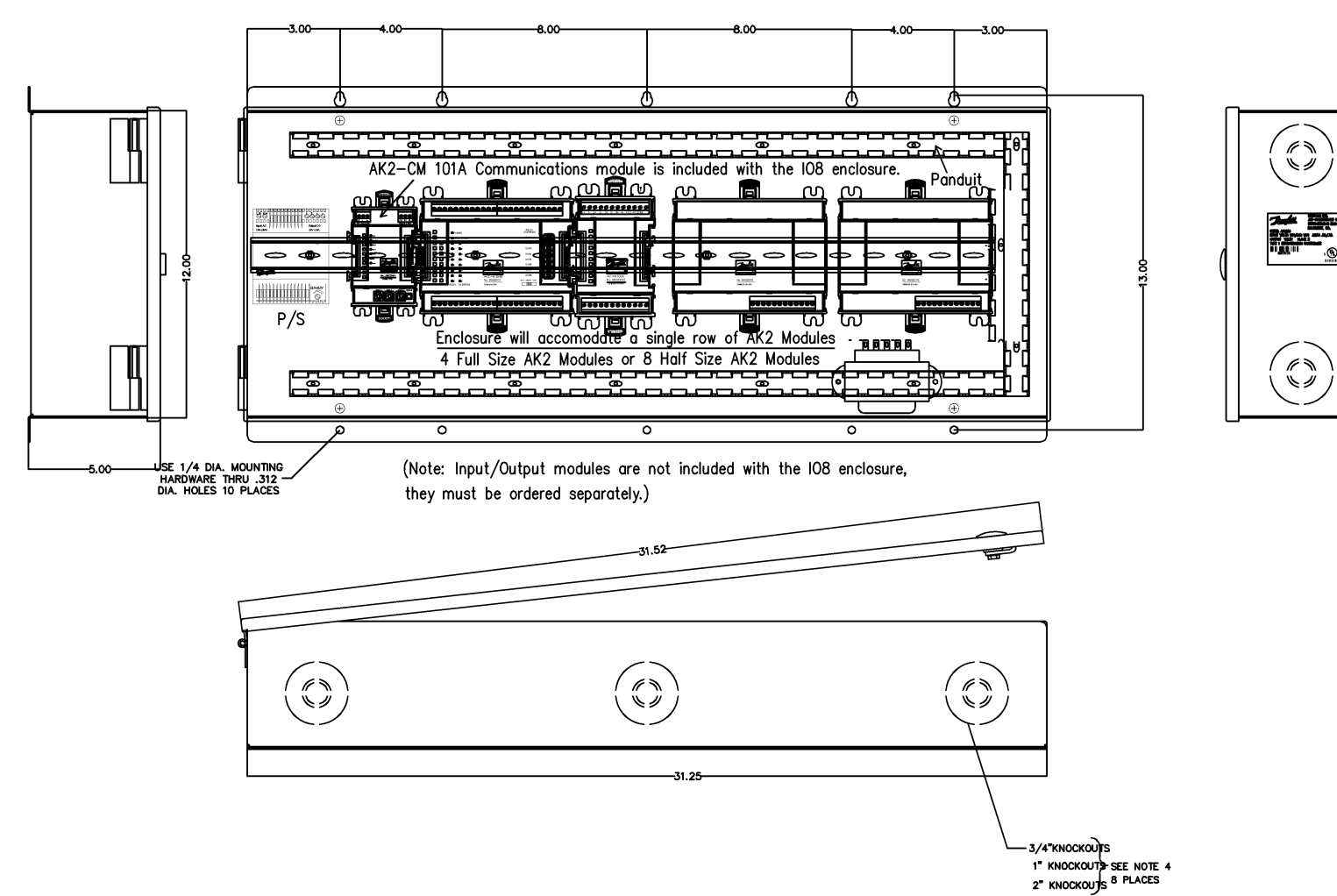
4 CONTROL SYSTEM - DOOR ALARM

SCALE: NONE

- NOTE:
1. INSTALL ENCLOSURE ON A VIBRATION FREE SURFACE. MARK HOLE LOCATIONS. USE APPROPRIATE HARDWARE FOR MOUNTING TO STRUCTURE.
 2. FOLLOW ALL NATIONAL AND LOCAL ELECTRICAL CODES WHEN INSTALLING.
 3. WHEN INSERTING WIRING, BE SURE HIGH AND LOW VOLTAGE ARE KEEP ISOLATED.
 4. ALL REMOVED KNOCKOUTS MUST HAVE CONDUIT FITTINGS INSTALLED.

LED SITE LIGHTING PANEL:

- ONE (1) ENCLOSURE (OWNER SUPPLIED)
- DANFOSS POWER SUPPLY (OEM MOUNTED)
- DANFOSS COMM MODULE (OEM MOUNTED)
- ONE (1) 8AI/8RO COMBO BOARD (INSTALLER MOUNTED)
- ONE (1) V04 BOARD (INSTALLER MOUNTED)
- TWO (2) DIMMER BOARD (INSTALLER MOUNTED)
- ONE (1) 24V TRANSFORMER FOR RELAY CONTROL (INSTALLER MOUNTED)



5 CONTROL SYSTEM - LED SITE LIGHTING PANEL (IF REQUIRED)

NEW STORE

CURRENT PLAN DATE
5/1/2015

ORIGINAL PLAN DATE

DRAWN
MAD

REVISIONS

STANDARD PLOTTED SCALE

ENERGY MANAGEMENT
DETAILS

SHEET

EM-5

CAD FILE



DIVISION

1000 S.E. 22nd Avenue
Portland, OR

PHONE (503) 797-3507

FAX (503) 797-3508

NOTE:
THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS,
REGULATIONS, ORDINANCES AND APPROVAL OF THE INSPECTION DEPARTMENT HAVING
JURISDICTION OF THE JURISDICTION OF THE PROJECTS SUBMITTED BY THE OWNER.