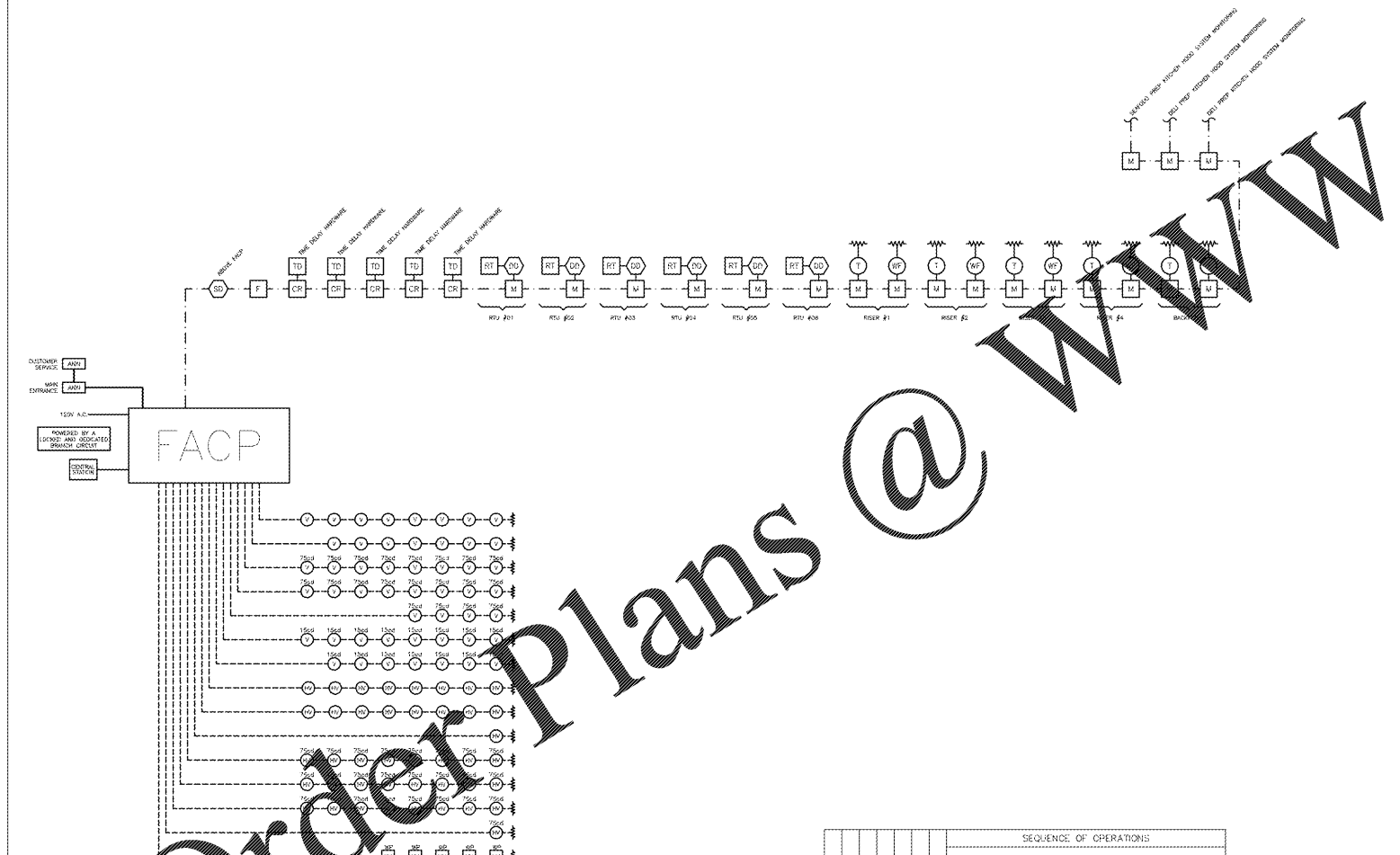


SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR
	PHOTOELECTRIC SMOKE DETECTOR
	HEAT SENSOR DETECTOR
	REMOTE TEST STATION
	MANUAL PULL STATION
	MONITOR MODULE
	CONTROL RELAY
	TIME DELAY HANDOVER
	CEILING MOUNTED RECTANGULAR STROBE LIGHT (115/120V UNLESS OTHERWISE NOTED)
	CEILING MOUNTED BELL-CAMELLA HORN/STROBE (115/120V UNLESS OTHERWISE NOTED)
	WALL MOUNTED BELL-CAMELLA HORN/STROBE (115/120V UNLESS OTHERWISE NOTED)
	SPRINKLER SYSTEM CONTROL VALVE SUPERVISORY TAMPER SWITCH
	WATERFLOW SWITCH
	END OF LINE RESISTOR



**FIRE ALARM RISER DIAGRAM**  
SCALE: NO SCALE

ACTIVATION OF SMOKE DETECTOR	ACTIVATION OF AREA ALARM	ACTIVATION OF WATER FLOW SWITCH	ACTIVATION OF TAMPER SWITCH	ACTIVATION OF AREA SMOKE DETECTOR	ACTIVATION OF MANUAL PULL STATION	TRIABLE CONTROL AT PANEL
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●

ACTIVATES RISER AREA HORN/STROBE

TRANSMIT SIGNAL TO CENTRAL STATION

ACTIVATES AUDIO/VISUAL APPLIANCES

ACTIVATES INDIVIDUAL RTU SHUTDOWN

**WWW.IDLINE.COM**

Order Plans @

- NOTES:**
- A BOSCH FPD-7024 FIRE ALARM CONTROL PANEL SHALL BE REQUIRED.
  - THE FIRE ALARM CONTRACTOR SHALL PREPARE SHOP DRAWINGS, RISER DIAGRAMS, POINT BY POINT WIRING SCHEMATICS, BATTERY AND LINE LOSS CALCULATIONS, SEQUENCE OF OPERATIONS, ETC. AS REQUIRED TO OBTAIN APPROVAL OF DRAWINGS AND PLANS. THE ALARM CONTRACTOR SHALL SUBMIT THREE (3) SETS OF SUBMITTAL DRAWINGS TO TELGIAN FOR REVIEW, ONCE APPROVED BY TELGIAN THE ALARM CONTRACTOR SHALL SUBMIT THREE (3) SETS OF SIGN AND SEALED SHOP SUBMITTAL LEVEL DRAWINGS AND SUBMITTAL BOOKS FOR FILING WITH THE JURISDICTION.
  - A MINIMUM OF 10% EXCESS CAPACITY IS REQUIRED ON EACH SIGNALING LINE CIRCUIT (SLC). T-TAPPING IS AN ACCEPTABLE METHOD OF WIRING. A FORM OF CIRCUIT ISOLATION FROM A FAULT CONDITION IS REQUIRED TO PREVENT COMPLETE SLC IMPAIRMENT AND ENSURE SURVIVABILITY. AN ISOLATION MODULE FOR EACH T-TAP IS REQUIRED.
  - SIGNALING LINE CIRCUITS SHALL BE CLASS B. INITIATING DEVICE CIRCUITS SHALL BE CLASS B. NOTIFICATION APPLIANCE CIRCUITS SHALL BE CLASS B.
  - POWER CONSUMPTION AND CIRCUIT LOADING PARAMETERS SHALL NOT EXCEED A MAXIMUM OF 90% OF CAPACITY DURING PEAK AMPERAGE DRAW CONDITIONS (I.E. ALARM). POWER SUPPLIES SHALL BE LOCATED AND SIZED TO ACHIEVE THIS PURPOSE. WIRE SIZE AND CIRCUIT LENGTH SHALL ALSO BE CONSIDERED.
  - THE WALL MOUNTED STROBES AND HORN/STROBES SHALL BE PLACED 80 IN (2,030 MM) ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE, OR 8 IN (152 MM) BELOW THE CEILING, WHICH EVER IS LOWER UNLESS OTHERWISE INDICATED. THE 115 CD STROBES AND HORN/STROBES, UL 1971 LISTED FOR CEILING MOUNTING, SHALL BE PLACED AT THE BOTTOM OF THE BAR JOIST CENTERED DIRECTLY OVER THE RESPECTIVE AISLE. A BAR JOIST DOES NOT CENTER DIRECTLY OVER THE AISLE, THE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL A UNISTRUT TO MEET THIS REQUIREMENT.
  - OUTDOOR NOTIFICATION DEVICES SHALL BE MOUNTED ON CAST WEATHERPROOF OUTLET BOXES (2 GANG BELL BOX) WITH RUBBER GASKET OR PER MANUFACTURERS GUIDELINES.
  - ALL FIRE ALARM SYSTEM CABLING SHALL BE ROUTED THROUGH 3/4" EMT CONDUIT FROM DEVICES AND SHALL BE STUDIED TO THE BOTTOM CHORD OF THE BAR JOIST. AT THAT POINT CABLING SHALL BE RUN EXPOSED ALONG THE CEILING IF ACCEPTABLE BY THE AIA. ALL EXPOSED WIRING SHALL BE TYPE FPL OR FPLP III PLENUM SPACES.
  - THE ALARM CONTRACTOR SHALL PROVIDE ALL TOOLS, LIFTS, MATERIALS AND LABOR TO INSTALL ALL MOUNTED EQUIPMENT ENCLOSURES AS SPECIFIED ON THE SHOP DRAWINGS. THIS INSTALLATION SHALL REFLECT THE SHOP DRAWINGS AS MUCH AS POSSIBLE. IF THE FACP AND NO POWER SUPPLIES CANNOT BE INSTALLED WHERE INDICATED DUE TO SPACE LIMITATIONS AN ALTERNATE LOCATION SHALL BE COORDINATED WITH TELGIAN. THE ALARM CONTRACTOR SHALL PROVIDE THE KROGER PROJECT MANAGER WITH AN ACCURATE AS-BUILT POINT TO POINT PLAN INDICATING CONDUIT AND CABLE ROUTING, PIPE FILL, WIRE IDENTIFICATION AND JUNCTION POINTS.
  - THE ALARM CONTRACTOR SHALL CONTACT TELGIAN (734-738-1111) WITH ANY COMMENTS OR EXCEPTIONS TO THE DRAWINGS OR SPECIFICATIONS PRIOR TO BID. THE CONTRACTORS ASSUME RESPONSIBILITY FOR ANY DISCREPANCIES NOT NOTED PRIOR TO BID. MODIFICATIONS TO THE PLANS SHALL NOT BE ALLOWED WITHOUT EXPRESSED WRITTEN APPROVAL BY TELGIAN.
  - THE ALARM CONTRACTOR SHALL PROVIDE A MOTORIZED PLATFORM WORK PLATFORM AND LADDER FOR USE DURING THE ENTIRE PERIOD OF THE FIRE ALARM INSTALLATION. THE PLATFORM SHALL BE CAPABLE OF ANY WORK LEVEL AND SHALL BE LOADED.
  - ALL CONDUIT, BOXES (UNLESS OTHERWISE INDICATED), FITTINGS, COUPLERS, CONNECTORS, STRAPS, SUPPORTS, PULL STRINGS, BUSHINGS, ETC., SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
  - THE ALARM CONTRACTOR SHALL INCLUDE IN THEIR BID THE USE OF OTHER DEVICES TO COMPLETE THIS PROJECT.
  - THE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL CABLE EXPOSED USING APPROVED FIRE RATED CABLE PER NEC ARTICLE 760.
  - CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL EXPOSED CABLE BELOW THE BOTTOM BAR JOIST OR OTHER ROOF STRUCTURE PROTRUDING LISTS OR OTHER LOCATIONS WHERE THE CABLE MAY BECOME EXPOSED AND/OR DAMAGED, MUST BE WITHIN A STEEL CONDUIT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION BOXES AND COVERPLATES PER MANUFACTURER'S INSTRUCTIONS AND DETAILS. ALL JUNCTION POINTS SHALL BE LABELED AS "FIRE ALARM SYSTEM" WITH DECAL OR OTHER APPROVED MARKING. THE ALARM CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.
  - THE ALARM CONTRACTOR SHALL COORDINATE ALL REQUIRED CONDUIT WITH THE GENERAL AND ELECTRICAL CONTRACTORS.
  - SYSTEM OPERATION, TESTING, IN OVER, WARRANTY, COMPLIANCE AND AFTER MARKET SERVICE SHALL BE THE RESPONSIBILITY OF THE ALARM CONTRACTOR.
  - TELGIAN SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NOR SHALL THEY BE REQUIRED TO SUPERVISE THE CONDUCT OF THE CONSTRUCTION PROCEDURES FOLLOWED BY THE CONTRACTOR, SUBCONTRACTORS, THEIR RESPECTIVE EMPLOYEES OR ANY OTHER PERSON AT THE JOB SITE OTHER THAN TELGIAN EMPLOYEES.
  - TELGIAN SHALL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE WRITTEN AND MUST BE APPROVED BY TELGIAN.
  - NO HORIZONTAL RUNS ON WALLS WILL BE ALLOWED BELOW THE BAR JOIST.
  - LOOSE WIRE SHALL BE INSTALLED AND SECURED TO THE BAR JOIST AS INDICATED ON THE DESIGN DOCUMENTS AND SHALL RUN EITHER PARALLEL OR AT 90° TO THE JOIST. NO DIAGONAL WIRING WILL BE ALLOWED.
  - THE ALARM CONTRACTOR SHALL COORDINATE ALL LOCATIONS WITH THE LATEST KROGER FIXTURE PLANS PRIOR TO INSTALLATION. ANY DISCREPANCIES BETWEEN PLANS AND THE ACTUAL SITE SHALL BE COMMUNICATED BACK TO TELGIAN PRIOR TO THE BID.
  - THE ALARM CONTRACTOR SHALL PERFORM A FIRE ALARM SYSTEM ACCEPTANCE TEST IN THE PRESENCE OF TELGIAN. THIS TEST IS IN ADDITION TO THE TESTS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE CERTIFICATE OF OCCUPANCY. THE TESTS SHALL BE IN ACCORDANCE WITH NFPA 72 AND SHALL BE PERFORMED AFTER THE COMPLETE INSTALLATION OF ALL SYSTEMS. CONTRACTOR SHALL BUDGET FOR TWO (2) CONSECUTIVE DAYS OF TESTING AND HAVE TWO (2) PERSONNEL ON SITE, HOWEVER THE CONTRACTOR SHALL BE RESPONSIBLE TO BE PRESENT UNTIL SUCH TIME THAT ALL SYSTEMS ARE FOUND ACCEPTABLE. THE CONTRACTOR SHALL FURNISH ALL PERSONNEL, LIFTS, HAND TOOLS, RADIOS AND ANY OTHER EQUIPMENT NEEDED FOR TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COSTS INCURRED BY THE FAILURE TO PERFORM THE TESTS ON THE SCHEDULED DATE, WITHIN THE BUDGETED TIME (2 CONSECUTIVE DAYS), AND/OR RETESTS DUE TO SYSTEM FAILURE (COSTS INCLUDE, BUT ARE NOT LIMITED TO TRAVEL, LODGING, PER DIEM, TRANSPORTATION, LABOR).
  - THE FIRE ALARM SYSTEM CONTROL PANEL SHALL BE MOUNTED AT 60" TO THE TOP OF THE KEYPAD, ABOVE FINISHED FLOOR. THE FIRE ALARM ANNUNCIATOR SHALL BE MOUNTED AT 48" TO THE CENTER OF THE ANNUNCIATOR DISPLAY, ABOVE FINISHED FLOOR.
  - THE FOLLOWING FIRE ALARM EQUIPMENT, IF APPLICABLE, SHALL BE FURNISHED AND PROVIDED BY THE INSTALLING CONTRACTOR UNLESS OTHERWISE NOTED.
    - FIRE ALARM CONTROL PANEL
    - STAND-BY BATTERIES
    - ANNUNCIATORS
    - MANUAL PULL STATIONS
    - AREA SMOKE DETECTORS
    - CONTROL RELAYS (HVAC SHUTDOWN, DOOR RELEASE, ETC.)
    - NOTIFICATION APPLIANCES (HORNS, STROBES, BELLS, ETC.)
    - MONITOR MODULES FOR INITIATING DEVICES (WATERFLOW SWITCHES, GATE VALVES, SPRINKLER TAMPER SWITCHES, PIV'S, FIRE PUMP, OPI SYSTEMS, ETC.)
  - THE ALARM CONTRACTOR SHALL PROVIDE SERVICES NECESSARY TO OBTAIN FINAL APPROVAL DEEMED NECESSARY UNTIL FINAL APPROVAL IS OBTAINED FROM THE JURISDICTION.
  - THE ALARM CONTRACTOR SHALL PROVIDE A PROFESSIONALLY OPERATED FIRE WATCH AT ANY TIME THE EXISTING FIRE ALARM SYSTEM IS NOT OPERATIONAL. AT NO TIME WILL THE STORE BE WITHOUT A FIRE ALARM SYSTEM TESTED AND APPROVED BY KROGER AND THE AUTHORITY HAVING JURISDICTION OR A FIRE WATCH. THE FIRE WATCH SHALL BE PROVIDED UNTIL SUCH SYSTEMS ARE FOUND ACCEPTABLE AND APPROVED BY KROGER AND THE AUTHORITY HAVING JURISDICTION. THE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED BY THE FIRE WATCH.
  - A WEATHERPROOF NOTIFICATION APPLIANCE SHALL BE INSTALLED 10' A.F.C. ABOVE THE FIRE DEPARTMENT CONNECTION AND ACTIVATED UPON WATERFLOW ONLY.
  - THE ALARM CONTRACTOR SHALL PROVIDE A FULLY OPERATIONAL AND TESTED FIRE ALARM SYSTEM, TRAINING ON THE OPERATION AND PROPER USE OF THE INSTALLED SYSTEM (A MINIMUM OF 2 CLASSES SHALL BE PROVIDED), INCLUDING A 24 HOUR PHONE NUMBER FOR QUESTIONS AND SERVICE REQUEST TO THE KROGER REPRESENTATIVE, ONE (1) WEEK PRIOR TO COMPLETION.
  - THE ALARM CONTRACTOR SHALL VERIFY THE ACCURACY WITH KROGER MANAGEMENT, CONTACT LISTS FOR NOTIFICATION PURPOSES IN CASE OF SYSTEM ACTIVATION. THE NOTIFICATION LIST SHALL INCLUDE CONTACT PHONE NUMBERS, INDIVIDUAL'S TITLE, AND PASS CODES. THE INFORMATION SHALL BE TRANSMITTED TO THE CENTRAL STATION UPON RECEIPT TWO WEEKS PRIOR TO COMPLETION.
  - IF THE ALARM CONTRACTOR REQUIRES ASSISTANCE TROUBLE SHOOTING THE SYSTEM THE ALARM CONTRACTOR SHALL CONTACT THE MANUFACTURER OF THE PRODUCT OR CONTRACT THE SERVICES OF A FIRM FAMILIAR WITH SERVICING SUCH SYSTEMS.
  - FINAL ACCEPTANCE WILL REQUIRE THE CONTRACTOR TO DELIVER TO THE KROGER PROJECT MANAGER THE FOLLOWING:
    - THREE (3) SETS OF RECORD DRAWINGS (AS BUILT DRAWINGS).
    - THREE (3) COPIES NFPA 72 (2010) CERTIFICATE OF COMPLETION.
    - THE ALARM CONTRACTOR, UPON COMPLETION, SHALL PROVIDE TO THE KROGER PROJECT MANAGER AT A MINIMUM, LETTER OF COMPLETION INDICATING THE SYSTEM HAS BEEN FULLY TESTED LOCALLY AND REMOTELY, SIGNALS HAVE BEEN VERIFIED TO THE CENTRAL STATION AND OPERATION OF THE SYSTEM HAS BEEN FULLY DEMONSTRATED TO KROGER PERSONNEL (INCLUDE NAMES OF THOSE WHO WERE DEMONSTRATED TO), USE/PG AND INSTALLATION MANUALS AND CUT SHEETS ON ALL ALARM DEVICES INSTALLED ON THE PREMISE. THE ALARM CONTRACTOR SHALL RECEIVE WRITTEN SIGN OFF FROM THE KROGER PROJECT MANAGER INDICATING ALL THE ABOVE HAVE BEEN DELIVERED.
  - ANY DAMAGE TO THE STORE SHALL BE REPAIRED BY THE ALARM CONTRACTOR.
  - AT THE END OF EACH WORK DAY DURING THE INSTALLATION, THE INSTALLING CONTRACTOR SHALL CLEAN UP ALL DEBRIS, FINGERPRINTS, DUST FROM DRILLING, ETC. ANY WORK NOT COMPLETED SHALL BE LEFT IN A MANNER THAT WILL NOT AFFECT ANY OTHER OPERATION.
  - THE SYSTEM SPECIFICATION CONTAINS ADDITIONAL INFORMATION THAT SHALL BE ADHERED TO.

**FIRE ALARM NOTES**  
SCALE: NO SCALE

**KROGER**  
STORE #473

2013 UNIVERSITY AVENUE  
OXFORD, MISSISSIPPI 38655

A DEVELOPMENT OF THE KROGER COMPANY

**Naos Design Group Of Mississippi, PLLC.**  
MARC BREETZ, ARCHITECT

845 Lakeland East Drive  
Suite 101  
Florence, MS 38655-3009 382-322  
(9) 303.759.5777  
(H) 720.360.4281  
ARCHITECT OF RECORD

**CDS**  
COMMERCIAL DESIGN SYSTEMS, INC.

12825 SW GARDENHURST DRIVE  
SHREVEPORT, LOUISIANA 71353  
866.886.7996 (P) 504.426.9902

INTERIOR DECOR

**Picking Firm, Inc.**  
Architect - Engineering  
Planning - Surveying

6778 Lenox Center Court, Suite 300  
Memphis, TN 38115  
901-746-9899

ENGINEER OF RECORD:  
STRUCTURAL  
MECHANICAL  
ELECTRICAL  
CIVIL ENGINEER

**iV-SOFT**  
INFRASTRUCTURE

11280 CHESTER ROAD  
CONCORDIA, OH 43048  
734-884-7819

**telgian**  
TELGIAN CORPORATION  
10230 SHELBY 60TH PLACE  
SUITE 100  
PROJEX AZ 86544  
TEL: 737.926-4626  
HTTP://WWW.TELGIAN.COM  
FIRE PROTECTION

**ISSUE LOG**

NO.	REV	DESCRIPTION	DATE
1		PERMIT SET	10/05/15
2		800 SET	09/21/15

050  
20160401

SHEET NO.  
**FIRE ALARM RISER DIAGRAM & NOTES**

**FA3.0**

FOR OWNER: KROGER STORE #473  
FOR CONTRACTOR: KROGER STORE #473  
FOR ARCHITECT: KROGER STORE #473  
FOR ENGINEER: KROGER STORE #473