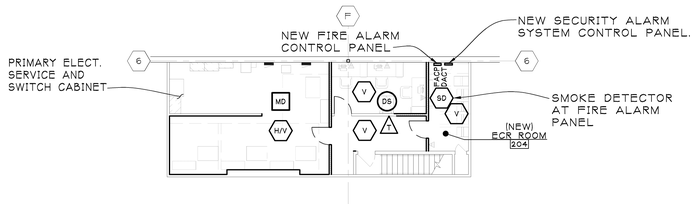
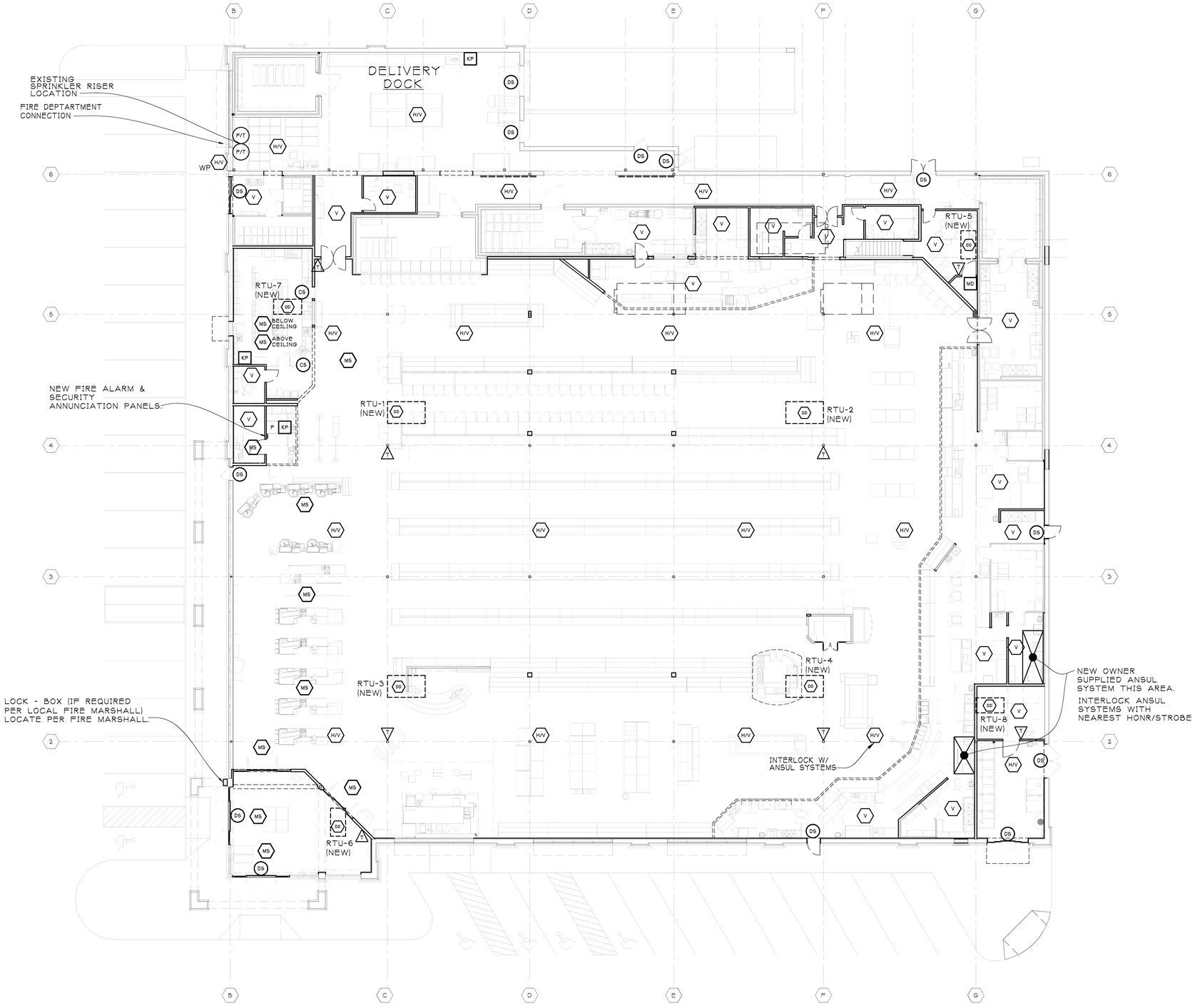


MEZZANINE PLAN
SCALE: 3/32" = 1'-0"



ALARM PLAN
SCALE: 3/32" = 1'-0"

FIRE ALARM / SECURITY SYSTEM GENERAL NOTES:

1. THE FIRE ALARM WORK ON THIS PROJECT SHALL BE DESIGN-BUILD AND BE A DEFERRED SUBMITTAL BY G.C. AFTER THE BIDDING PROCESS.
2. THE SECURITY SYSTEM (PREMISE ALARM) WORK ON THIS PROJECT SHALL BE DESIGN-BUILD AND BE A DEFERRED SUBMITTAL BY G.C. AFTER THE BIDDING PROCESS.
3. SEE SPECIFICATION SECTION 28 31 00 (FIRE ALARM/SECURITY SYSTEM) FOR SYSTEM DESIGN AND REQUIREMENTS.
4. G.C. SHALL BE RESPONSIBLE FOR COORDINATION OF ALL MECHANICAL, PLUMBING, REFRIGERATION, ELECTRICAL WITH LOCAL AUTHORITIES HAVING JURISDICTION AND ALL OTHER BUILDING TRADES. CARE SHALL BE TAKEN TO PROTECT EXISTING ITEMS SCHEDULED FOR REUSE.
5. ANY EXISTING ALARM SYSTEM OR COMPONENTS ARE TO BE MODIFIED/REPLACED AS REQUIRED FOR NEW STORE LAYOUT. PROVIDE NEW FIRE ALARM COMPONENTS PER KROGERS SPECIFICATION AND REQUIRED CODES. SURVEY THE EXISTING COMPONENTS TO VERIFY IF THEY CAN BE MODIFIED AS REQUIRED PRIOR TO BIDS. THIS SYSTEM SHALL BE DESIGN BUILD AND PROVIDED BY THE CONTRACTOR AS PART OF THE BASE BID.

FIRE PROTECTION SUPERVISORY SYSTEM NOTES:

1. THE FIRE PROTECTION SUPERVISORY SYSTEM IS INTENDED TO BE A "DESIGN-BUILD" SYSTEM. THIS PLAN AND CORRESPONDING NOTES ARE INTENDED AS A GUIDE ONLY, AND ILLUSTRATE GENERIC SYSTEM REQUIREMENTS AND LOCATIONS. ANY EXISTING FIRE PROTECTION SUPERVISORY SYSTEM OR COMPONENTS ARE TO REMAIN (IF COMPATIBLE) & BE MODIFIED AS REQUIRED. ACTUAL EXISTING LAYOUT & CONFIGURATION OF SYSTEM TO BE VERIFIED BY THE G.C. AND/OR THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR (FIRE ALARM CONTRACTOR).
2. THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR IS RESPONSIBLE FOR THE FINAL DESIGN, LAYOUT, LOCATION OF COMPONENTS, WIRING, DEVICES, SEQUENCE OF OPERATIONS, AND INSTALLATION OF SAID SYSTEM.
3. THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR SHALL SECURE ALL PERMITS AND APPROVALS FROM JURISDICTIONS HAVING AUTHORITY, PRIOR TO START OF WORK. SYSTEM OPERATION, TESTING, TURN OVER, WARRANTY, COMPLIANCE AND RELATED SERVICE SHALL BE PROVIDED BY THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR.
4. DUCT DETECTORS SHALL BE FURNISHED, WIRED AND CONNECTED BY THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR. THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRING FROM THE FIRE PROTECTION SUPERVISORY SYSTEM TO THE DUCT DETECTOR. TERMINATIONS TO HVAC EQUIPMENT FROM THE DUCT DETECTOR DRY CONTACTS TO RESPECTIVE HVAC UNIT FAN MOTOR STARTER CONTROL CIRCUIT TERMINATIONS SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR. THE DUCT DETECTOR HOUSING AND SAMPLING TUBE SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR (GENERAL CONTRACTOR SHALL COORDINATE). AIR HANDLING FAN CONTROL CIRCUITS AND STATUS CONTACTS TO BE FURNISHED BY THE HVAC CONTROL EQUIPMENT. THE DUCT DETECTOR SHALL CONSIST OF AN APPROVED PHOTOELECTRIC DETECTOR MOUNTED IN AN AIR DUCT SAMPLING ASSEMBLY AND SAMPLING TUBE THAT PROTRUDES ACROSS THE DUCT OF THE VENTILATING SYSTEM. DUCT DETECTION SHALL BE REQUIRED IN THE RETURN DUCTS OF UNITS RATED AT OVER 2,000 C.F.M. EACH DUCT DETECTOR SHALL HAVE A UNIQUE IDENTITY. THE REMOTE TEST SWITCHES SHALL BE PERMANENTLY LABELED BY POINT NUMBER AND RTU NUMBER. THE DUCT DETECTOR LOCATIONS SHALL BE PERMANENTLY LABELED DIRECTLY BENEATH THE RTU ON THE NEAREST COLUMN. THE DUCT DETECTOR LOCATIONS AND REMOTE TEST SWITCHES SHALL BE LABELED UTILIZING ENGRAVED PLASTIC LABELS.
5. ALARM (DISCHARGE) AND TROUBLE CONDITION OF THE KITCHEN HOOD SUBSYSTEM SHALL BE MONITORED AND ANNUNCIATED BY THE FIRE PROTECTION SUPERVISORY SYSTEM (G.C. TO REWORK & COORDINATE WITH EXISTING "ANSUL" SYSTEM).
6. ALL FIRE PROTECTION SUPERVISORY SYSTEM CABLING SHALL BE ROUTED THROUGH CONDUIT FROM DEVICES TO BOTTOM OF METAL DECK. AT THAT POINT CABLING SHALL BE RUN EXPOSED ALONG THE DECK IF ACCEPTABLE POINT CABLING SHALL BE RUN EXPOSED ALONG THE DECK IF ACCEPTABLE BY THE AUTHORITY HAVING JURISDICTION. ALL EXPOSED WIRING SHALL BE TYPE FPLP.
7. ALL CONDUIT, BOXES (U.O.N.), FITTINGS, COUPLINGS, CONNECTORS, STRAPS, SUPPORTS, PULL-STRINGS, BUSHINGS, ETC. SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL FIRE PROTECTION SUPERVISORY SYSTEM CIRCUITING SHALL BE INSTALLED BY THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR. ALL WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF NFPA 70.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE VOLTAGE (120v MAX) AND LOW-VOLTAGE (UP TO 50 VAC/VDC) CIRCUITING IN SEPARATE CONDUIT. THE FIRE PROTECTION SUPERVISORY SYSTEM CONTRACTOR SHALL INSTALL LOW-VOLTAGE CIRCUITING AND IT SHALL BE INSTALLED EXPOSED USING NEC-FPLP RATED CABLE PER NEC, ARTICLE 760 UNLESS OTHERWISE NOTED BY LOCAL JURISDICTIONAL AUTHORITIES. ALL EXPOSED CABLE BELOW THE BOTTOM BAR JOIST OR OTHER ROOF STRUCTURE PROTRUDING LOWER, OR OTHER LOCATIONS WHERE THE CABLE MAY BECOME EXPOSED AND/OR DAMAGED, SHALL BE WITHIN AN EMT CONDUIT BY THE ELECTRICAL CONTRACTOR. ALL SPLICES SHALL BE TERMINATED USING WIRE NUTS.
9. ALL FIRE PROTECTION DEVICES SHALL BE PERMANENTLY LABELED UTILIZING WEATHERPROOF METAL OR RIGID PLASTIC IDENTIFICATION SIGNS. THE SIGN SHALL BE SECURED WITH CORROSION-RESISTANT WIRE, CHAIN, OR OTHER APPROVED MEANS.
10. OUTDOOR DEVICES SHALL BE MOUNTED ON CAST WEATHERPROOF OUTLET BOXES (2 GANG BELL BOX).
11. REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND COORDINATION REQUIREMENTS.

SEQUENCE OF OPERATIONS

ACTIVATION OF DUCT SMOKE DETECTOR	ACTIVATION OF WATER FLOW SWITCH	ACTIVATION OF SPRINKLER TAMPER SWITCH	ACTIVATION OF AREA SMOKE DETECTOR	ACTIVATION OF MANUAL PULL STATION	TROUBLE CONDITION AT PANEL	
	X					ACTIVATES HORNS/STROBES
X	X	X	X	X	X	TRANSMIT SIGNAL TO CENTRAL STATION
X						ACTIVATE INDIVIDUAL RTU SHUTDOWN

NOTES:

CENTRAL STATION ALARM SERVICE TO RECEIVE SEPARATE & DISTINCT SIGNALS AS FOLLOWS :

A) FIRE ALARM
B) SUPERVISORY SIGNAL
C) TROUBLE SIGNAL

LEGEND

- H/V — HORN AND STROBE MOUNTED ON CEILING
- V — VISUAL STROBE ONLY MOUNTED ON CEILING (TYPICAL IN RESTROOMS)
- F — FIRE ALARM PULL STATION
- DD — DUCT DETECTOR
- SD — SMOKE DETECTOR
- T — REMOTE TEST SWITCH FOR DUCT DETECTORS
- P/T — WATER FLOW ALARM & TAMPER SWITCH
- KP — PREMISE ALARM KEYPAD
- DS — DOOR SWITCH W/ REMOTE SECURITY SOUNDER
- MS — MOTION SENSORS
- CS — CONTACT SWITCH
- MD — MONITORING DEVICES
- WP — WEATHERPROOF

EXISTING ITEMS

G.C. / FIRE ALARM CONTRACTOR TO VERIFY EXISTING SYSTEM, LOCATIONS, & REQUIREMENTS.

issued for: **ADDENDUM NO. 2** **07-14-2015**

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

FIRE ALARM PLAN

project no. 15100

sheet no. F1.2

PLOT FULL SIZE = 30"x42"