# STATE OF IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES 9360.00 IOWA PBS FIRE ALARM REPLACEMENT

CONSTRUCTION DOCUMENTS 2/1/2024



Department of Administrative Services

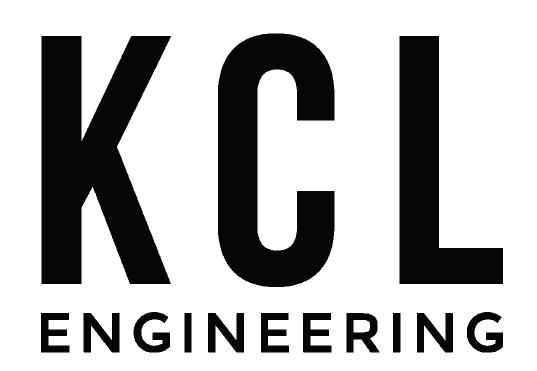
ADAM STEEN, DIRECTOR

OWNER

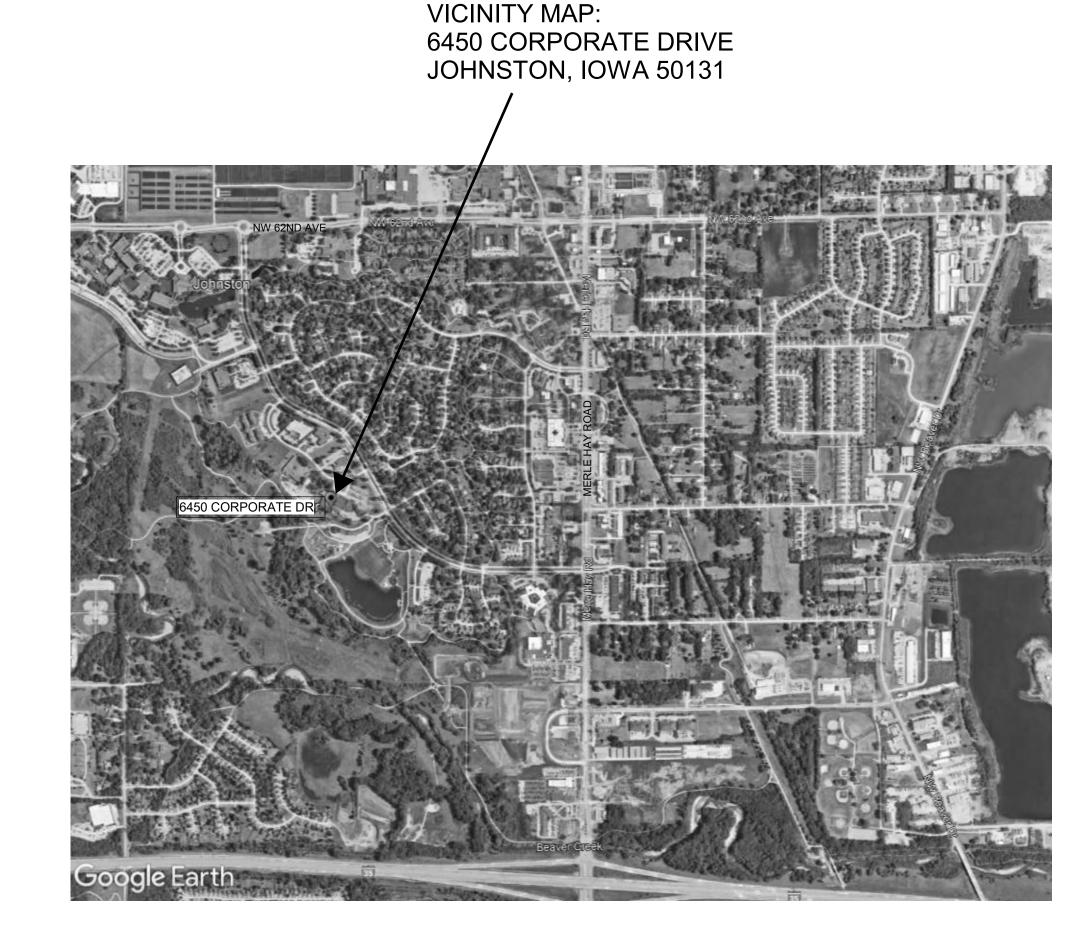
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES 109 SE 13TH STREET DES MOINES, IA 50319 OWNER PROJECT NUMBER: 9360.00



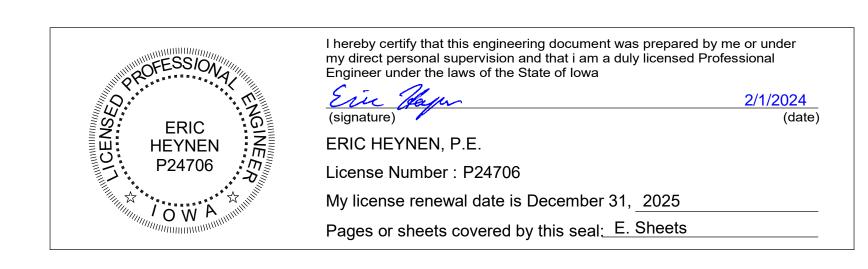
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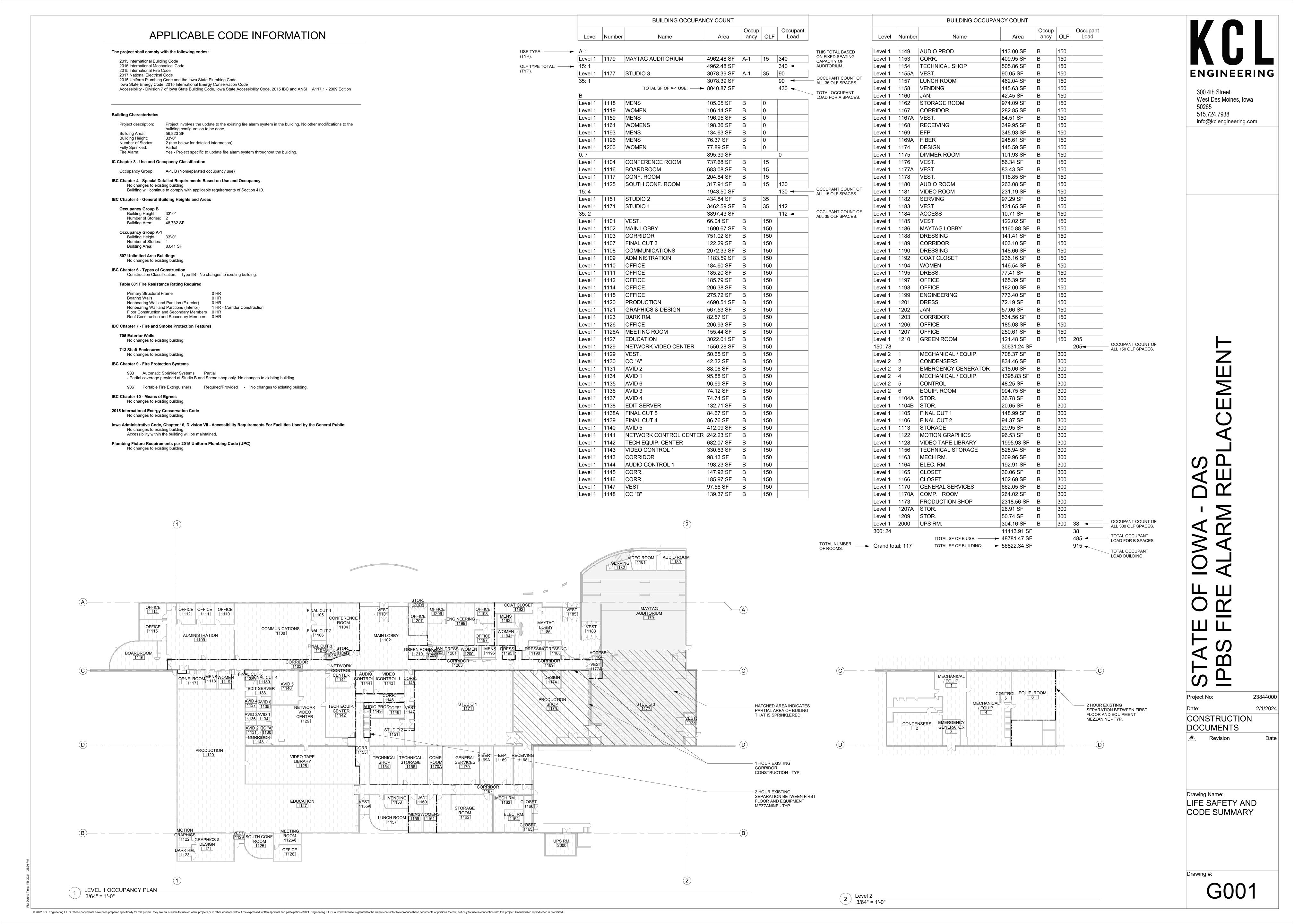


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	SHEET LIST
G001	LIFE SAFETY AND CODE SUMMARY
E000	ELECTRICAL GENERAL NOTES & SYMBOLS
ED101	FIRE ALARM DEMOLITION - WEST
ED102	FIRE ALARM DEMOLITION - EAST
ED103	FIRE ALARM DEMO AND NEW - MEZZANINE
E101	FIRE DETECTION & ALARM PLANS - WEST
E102	FIRE DETECTION & ALARM PLANS - EAST





## <u>ALTERNATES</u>

- 1. PROVIDE A COMPLETE REPLACEMENT OF THE EXISTING CONDUCTORS. CONTRACTORS MAY REUSE PATHWAYS. THE EXISTING CONDUCTORS ARE NOTED TO BE 18/2 FOR DETECTION DEVICES AND 14/2 FOR NOTIFICAITON DEVICES. THE EXISTING SYSTEM IS A SIEMENS APOGEE SYSTEM. IF THE SELECTED SYSTEM CANNOT UTILIZE EXISTING CONDUCTORS, LEAVE THIS LINE BLANK AND INCLUDE ALL NEW CONDUCTORS IN THE BASE BID.
- 2. REUSE EXISTING NOTIFICATION DEVICES. EXISTING DEVICES WILL REMAIN INTACT AND BE RECONNECTED TO THE NEW SYSTEM. PROVIDE DEDUCT ALTERNATE PRICING ON

## FIRE DETECTION & ALARM NOTES

- 1. EXISTING FIRE DETECTION AND ALARM SYSTEM MUST REMAIN OPERATIONAL UNTIL NEW FIRE ALARM PANEL IS FUNCTIONAL. COORDINATE EXISTING ZONES IN USE AND PHASE REPLACEMENT OF SYSTEM TO MINIMIZE DOWNTIME.
- 2. METHODICALLY, AND IN CLOSE COORDINATION WITH THE OWNER, ROUTE NEW FIELD WIRING TO ANTICIPATED DEVICE LOCATIONS. TAKE NO MORE THAN ONE EXISTING SIGNAL LINE CIRCUIT OFFLINE AT ANY ONE TIME TO ENSURE A GRACEFUL MIGRATION OCCURS FROM THE EXISTING SYSTEM TO THE NEW.
- 3. BIDDING CONTRACTOR IS ENCOURAGED TO RE-USE EXISTING PATHWAYS AND BOXES WHERE IT IS APPROPRIATE. PROVIDE NEW PENETRATIONS AND SLEEVES WHERE NECESSARY FOR DEVICE INSTALLATION. REFER TO PLAN SHEETS FOR NEW DEVICE LOCATIONS AND WHERE EXISTING LOCATIONS CAN BE REUSED.
- 4. INTERFACE NEW DEVICES WITH NEW AND/OR EXISTING MECHANICAL EQUIPMENT FOR FAN SHUT DOWN, SMOKE DAMPER AND COMBINATION FIRE/SMOKE DAMPER PURPOSES
- 5. NEW FIRE ALARM DEVICES FOR NOTIFICATION OR DETECTION SHALL BE INSTALLED IN THE MIDDLE OF CEILING TILES. EXISTING TILE SIZE IS APPROXIMATELY 20" X 60". INSTALL APPROPRIATE BRACKETS SO DEVICES ARE SUPPORTED FROM THE GRID OR STRUCTURE ABOVE. TILES CANNOT BE USED FOR SUPPORT.
- 6. FIRE ALARM ITEMS AND DEVICES ARE SHOWN IN SUGGESTED LOCATIONS. FINAL LAYOUTS, LOCATIONS, AND QUANTITIES SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND EQUIPMENT LISTINGS. COORDINATE LOCATIONS WITH LIGHTING AND AIR HANDLING SYSTEMS.
- . ALL FIRE ALARM CIRCUITRY IN EXPOSED CEILING SPACES SHALL BE IN ¾" CONDUIT PER SPECIFICATIONS. EXPOSED CABLING SHALL NOT BE ACCEPTED.
- 8. ALL CONCEALED, ACCESSIBLE CEILING TILE LOCATIONS SHALL BE ALLOWED TO HAVE OPEN AIR CABLING INSTALLED. PROVIDE J-HOOKS, BRIDLE RINGS AND ASSOCIATED CABLE SUPPORTS TO KEEP INFRASTRUCTURE MANAGED AND OFF OF THE CEILING TILE.
- 9. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRESTOPPING AT ALL PENETRATIONS PER SPECIFICATION.
- 10. DEVICES SHALL BE WHITE UNLESS OTHERWISE NOTED.

## DEMOLITION AND RENOVATION NOTES - ELECTRICAL

- ELECTRICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. FIELD VERIFY EXISTING CONDITIONS BEFORE WORK BEGINS. ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN. BECOME FAMILIAR WITH EXISTING ELECTRICAL SYSTEM WHICH WILL BE AFFECTED BY THE DEMOLITION WORK.
- PROVIDE EQUIPMENT, LABOR, AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK PROVIDED UNDER THIS CONTRACT.
- 3. IN OCCUPIED AREAS BEYOND THE DEMOLITION SCOPE, KEEP EXISTING SYSTEMS NOT AFFECTED BY PROJECT SCOPE OPERATIONAL THROUGH THE DURATION OF THE PROJECT. OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE DEMOLITION AREA. INFORM OWNER'S REPRESENTATIVE OF THE REASON FOR AND DURATION OF THE SHUTDOWN AND ENSURE THAT THE SHUTDOWN IS MADE WITH AS LITTLE INCONVENIENCE TO OTHER AREAS AS POSSIBLE.
- 4. INSTALL NEW CONDUCTORS FOR NEW DEVICES UNLESS SPECIFICALLY NOTED OTHERWISE. RETAIN EXISTING CONDUITS IN GOOD CONDITION WHERE APPROVED BY ENGINEER OR AS INDICATED.
- 5. KEEP EXISTING SYSTEMS OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. DO NOT CUT EXISTING TELECOMMUNICATION WIRING, CABLES OR CONDUIT. CONTRACTORS WHO CUT IN-SERVICE CABLES ARE RESPONSIBLE FOR ALL DOWNTIME AND COSTS TO REPAIR.
- 6. INSTALL BLANK COVER PLATES OVER OPENING AT REMOVED DEVICE LOCATIONS. THIS INCLUDES BUT IS NOT LIMITED TO, CLOCKS, RECEPTACLES, SWITCHES, JUNCTION BOXES, ETC.
- 7. PROVIDE CUTTING AND PATCHING OF EXISTING MATERIALS AS REQUIRED FOR THE PROPER COMPLETION OF THE DEMOLITION WORK AND THE INSTALLATION OF THE NEW WORK.
- 8. MAINTAIN FULL FUNCTIONAL AND AESTHETIC INTEGRITY OF DEVICES IDENTIFIED TO BE REMOVED AND RELOCATED, AND HANDLE WITH APPROPRIATE CARE TO ALLOW FOR REINSTALLATION. REPLACE DEVICES DAMAGED DURING DEMOLITION WITH NEW AT CONTRACTOR'S EXPENSE.
- 9. EQUIPMENT AND SYSTEM THAT ARE REMOVED REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. DISPOSE OF ALL MATERIALS NOT SALVAGED BY THE OWNER.
- 10. REMOVE AND REINSTALL CEILING TILES REQUIRED FOR THE WORK BEING DONE UNDER THIS CONTRACT. REPLACE CEILING TILES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING.

## **ELECTRICAL ABBREVIATIONS** DEVICE MOUNTED +8" ABOVE NIC NOT IN CONTRACT COUNTER TOP (VERIFY LOCATION) NM NONMETALLIC AFF ABOVE FINISHED FLOOR NTS NOT TO SCALE ATS AUTOMATIC TRANSFER SWITCH OC ON CENTER CEILING OFCI OWNER FURNISHED CIRCUIT BREAKER CONTRACTOR INSTALLED OFOI OWNER FURNISHED. CURRENT TRANSFORMER EXISTING ITEM TO REMAIN OWNER INSTALLED ELECTRICAL CONTRACTOR EXISTING ITEM TO BE REMOVED EMERGENCY LIGHT FIXTURE RR EXISTING ITEM TO BE REMOVED AND ER NEW LOCATION OF EXISTING ITEM RELOCATED F ROUGH IN FOR FUTURE DEVICE RN EXISTING ITEM TO BE REMOVED AND FAAP FIRE ALARM ANNUNCIATOR PANEL REPLACED WITH NEW FACP FIRE ALARM CONTROL PANEL SCCR SHORT CIRCUIT CURRENT RATING TAMPER PROOF DEVICE FSD FIRE SMOKE DAMPER GROUND FAULT CIRCUIT INTERRUPTER TCC TEMPERATURE CONTROL CONTRACTOR

TV TELEVISION

VOLTS

VOLT-AMPERES

UPS UNINTERRUPTIBLE POWER SUPPLY

+24" INDICATES MOUNTING HEIGHT CENTER

LINE OF DEVICE TO FINISHED FLOOR

WEATHERPROOF DEVICE

WR WEATHER RESISTANT DEVICE

TYP TYPICAL

## INSTALLATION NOTES - ELECTRICAL

- 1. BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BID.
- INCREASE CONDUCTOR SIZES ON 20A 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.
- 3. PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.
- 4. CONTRACTOR IS RESPONSIBLE FOR OPENINGS IN WALLS, FLOORS, AND CEILINGS THAT ARE REQUIRED TO COMPLETE THEIR SCOPE OF WORK. SEAL PENETRATIONS IN ACCORDANCE WITH THE RATING OF THE AFFECTED ASSEMBLY. REFER TO OCCUPANCY PLAN FOR RATED WALLS, FLOORS, AND CEILINGS.

## **CODE NOTES - ELECTRICAL**

GND GROUND

KW KILOWATTS

KVA KILO-VOLT-AMPERES

MLO MAIN LUGS ONLY

MC MECHANICAL CONTRACTOR

MDP MAIN DISTRIBUTION PANEL

N NEW DEVICE IN EXISTING LOCATION

MCB MAIN CIRCUIT BREAKER

- PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL STATE CODES.
   THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE IS THE STANDARD FOR THE
- ELECTRICAL INSTALLATION. VERIFY WITH STATE OFFICIALS WHEN PERMITS ARE OBTAINED.
  NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR
  DRAWINGS AND THE GOVERNING CODE.
- 3. INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADAAG –AMERICANS WITH DISABILITIES ACT.
- REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.

## **GENERAL PROJECT INTENT**

- 1. PROVIDE NEW FULLY FUNCTIONAL AND CODE COMPLIANT FIRE ALARM SYSTEM.
- THE STATE FIRE MARSHAL HAS APPROVED THE USE OF DETECTION ON A ROOM-BY-ROOM BASIS. DETECTION IS SHOWN IN SPACES THAT THE OWNER WOULD LIKE DETECTION WITHIN THE SPACE. BIDS AND DESIGN SHALL INCLUDE COVERAGE OF ALL THE SPACES SHOWN IN THE CURRENT DESIGN.

COMMUNICATIONS - TELECOM SYSTEMS:  ROUGH-IN, PATHWAYS AND SLEEVES  COPPER HORIZONTAL CABLING, EXTENDED PHONE LINES  SAFETY - FIRE DETECTION AND ALARM:  ROUGH-IN, PATHWAYS AND SLEEVES  INITIATING FIELD DEVICES (SMOKE, MANUAL PULL, MONITOR MODULES)  NOTIFICATION APPLIANCES (HORNS, STROBES, SPEAKERS)  MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)  OFOI OWNER FURNISHED & OWNER INSTALLED  OFCI OWNER FURNISHED & CONTRACTOR INSTALLED			PROVISION RESPONSIBILITIES DEFINED	oko)	) of c)	
COPPER HORIZONTAL CABLING, EXTENDED PHONE LINES  SAFETY - FIRE DETECTION AND ALARM:  ROUGH-IN, PATHWAYS AND SLEEVES  INITIATING FIELD DEVICES (SMOKE, MANUAL PULL, MONITOR MODULES)  NOTIFICATION APPLIANCES (HORNS, STROBES, SPEAKERS)  MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)  OFOI OWNER FURNISHED & OWNER INSTALLED	COMMUNICATION	S - TELECON	N SYSTEMS:			
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ROUGH-IN, PATHWAYS AND SLEEVES  INITIATING FIELD DEVICES (SMOKE, MANUAL PULL, MONITOR MODULES)  NOTIFICATION APPLIANCES (HORNS, STROBES, SPEAKERS)  MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)  OFOI OWNER FURNISHED & OWNER INSTALLED	COPPER HORIZO	ONTAL CABL	ING, EXTENDED PHONE LINES			
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NOTIFICATION APPLIANCES (HORNS, STROBES, SPEAKERS)  MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)  OFOI owner furnished & owner installed	ROUGH-IN, PATI	HWAYS AND	SLEEVES			
MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)  OFOI owner furnished & owner installed	INITIATING FIELD	DEVICES (S	SMOKE, MANUAL PULL, MONITOR MODULES)			
OFOI <u>o</u> wner <u>f</u> urnished & <u>o</u> wner <u>i</u> nstalled	NOTIFICATION A	PPLIANCES (	(HORNS, STROBES, SPEAKERS)			
	NOTIFICATION		DELANCE TEST STATIONS AND UNIQUATORS			•
		S DEVICES (F	RELAYS, TEST STATION, ANNUNCIATOR)			_
OFCI OWNER FURNISHED & CONTRACTOR INSTALLED	MISCELLANEOU	<u>`</u>	·			
	MISCELLANEOU	FOI <u>o</u> wne	ER <u>F</u> URNISHED & <u>O</u> WNER <u>I</u> NSTALLED			
	MISCELLANEOU  O O	FOI <u>o</u> wne	ER <u>F</u> URNISHED & <u>O</u> WNER <u>I</u> NSTALLED	LLED		

MATRIX IS NOT INTENDED TO BE EXHAUSTIVE TO COVER ALL MATERIALS NECESSARY FOR SCOPE AND SHOULD ONLY BE USED TO QUICKLY IDENTIFY SYSTEMS AND RELATED INFRASTRUCTURE INSIDE AND OUTSIDE THE BID OF THIS PROJECT. ANY ITEMS FURNISHED OR INSTALLED BY THE BIDDING CONTRACTOR SHALL COVER ALL REQUIRED APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. THIS SHALL INCLUDE BUT NOT BE LIMITED TO, EQUIPMENT, ACCESSORIES, TERMINATIONS, TERMINATION COMPONENTS, ALL FINAL CORDAGE CONNECTIVITY, SOFTWARE, PROGRAMMING, AND THE LABOR TO INSTALL.

# GENERAL SYMBOLS E—3 CONDUIT SLEEVE ① JUNCTION BOX, CEILING OR FLOOR MOUNTED. ① JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED. # KEYNOTE XXXX X EQUIPMENT IDENTIFICATION TAG. REFER TO EQUIPMENT CONNECTION SCHEDULE

DUPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED

EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE

EQUIPMENT CONNECTION, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL

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## FIRE DETECTION AND ALARM SYMBOLS

PANELBOARD - SURFACE MOUNTED

MANUAL FIRE ALARM PULL STATION

FIRE ALARM ANNUNCIATOR PANEL

FACP FIRE ALARM CONTROL PANEL + EMERGENCY COMMUNICATIONS PANEL

CARBON MONOXIDE DETECTOR

© COMBINATION CARBON MONOXIDE / SMOKE DETECTOR

(I) HEAT DETECTOR

POWER SYMBOLS

S / S SMOKE DETECTOR

SMOKE DETECTOR WITH 520Hz SOUNDER BASE

DUCT SMOKE DETECTOR

H HORN

WALL MOUNTED COMBINATION HORN WITH STROBE

CEILING MOUNTED COMBINATION HORN WITH STROBE

WALL MOUNTED WEATHERPROOF COMBINATION HORN WITH STROBE

CEILING MOUNTED STROBE

WALL MOUNTED STROBE

SPEAKER

FIRE FIGHTER TELEPHONE STATION

MAGNETIC DOOR HOLD

► SMOKE DAMPER

FSD ▶ COMBINATION FIRE/SMOKE DAMPER

ADDRESSABLE INPUT MODULE; FS - SPRINKLER WATER FLOW SWITCH,
TS - TAMPER SWITCH, PIV - POST INDICATOR VALVE

ADDRESSABLE OUTPUT MODULE; SD - FAN SHUT DOWN RELAY, AM - AUDIO MUTE

## ACCESS CONTROL SYMBOLS

L MAGNETIC LOCK

\*\*NOTE: ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT\*\*

'ATE OF IOWA - DAS 3S FIRE ALARM REPLACEMEN

Project No: 9360

Date: 2/1/20

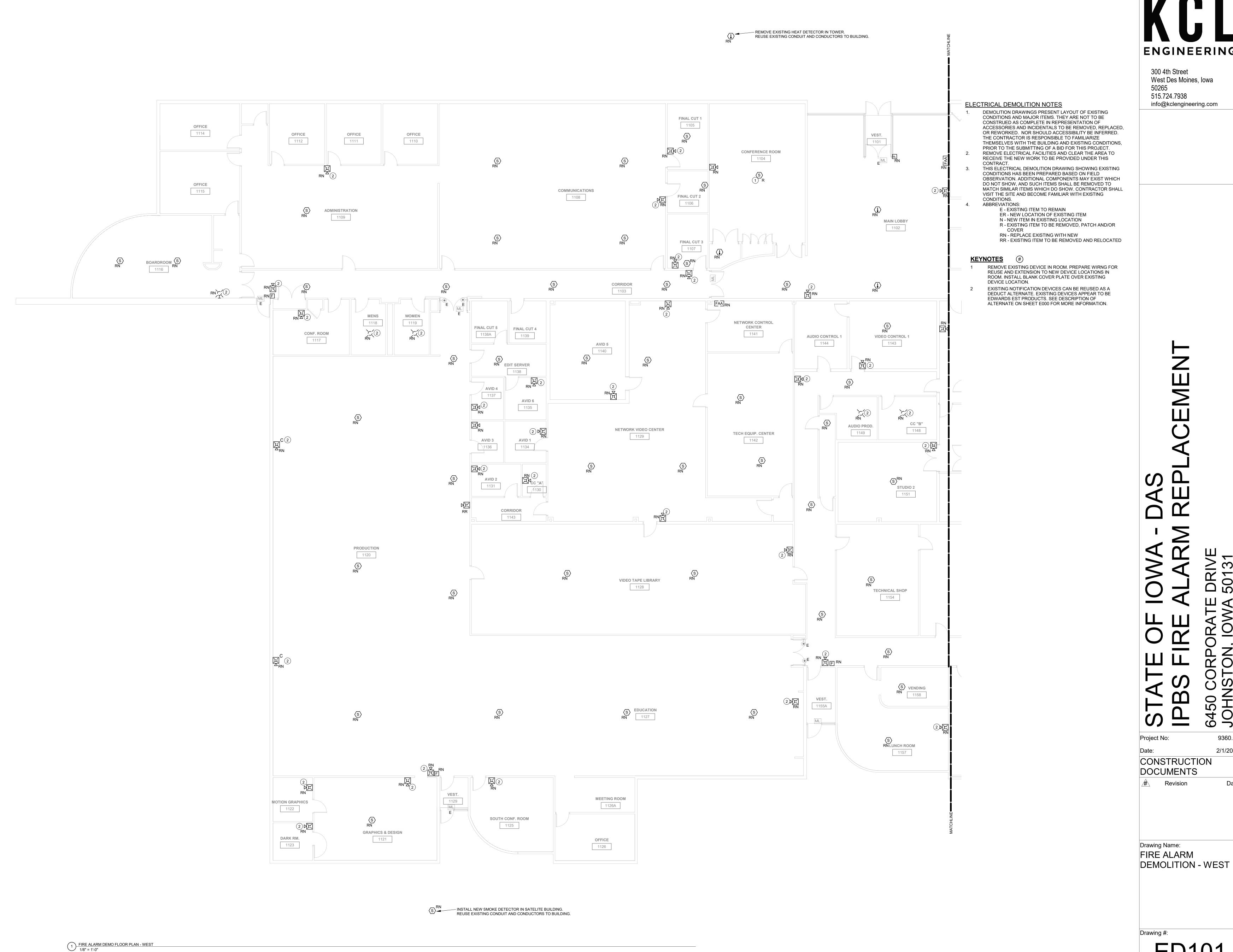
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DOCUMENTS

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ELECTRICAL GENERAL
NOTES & SYMBOLS

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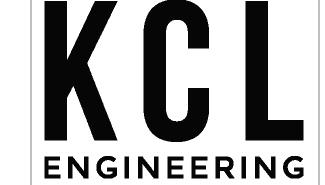
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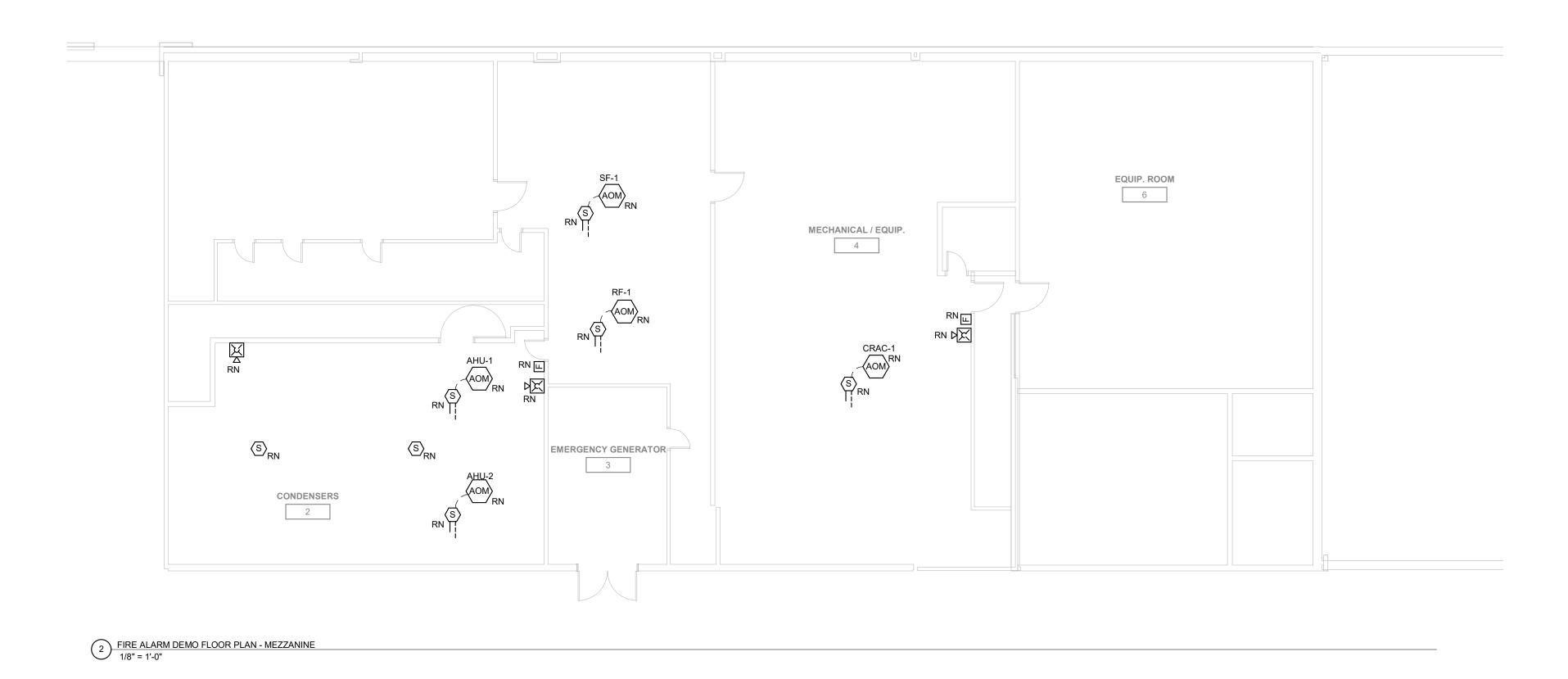




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CONSTRUCTION DOCUMENTS

Drawing Name: FIRE ALARM DEMOLITION - EAST





1/8" = 1'-0"

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## **ELECTRICAL DEMOLITION NOTES**

DEMOLITION DRAWINGS PRESENT LAYOUT OF EXISTING CONDITIONS AND MAJOR ITEMS. THEY ARE NOT TO BE CONSTRUED AS COMPLETE IN REPRESENTATION OF ACCESSORIES AND INCIDENTALS TO BE REMOVED, REPLACED, OR REWORKED. NOR SHOULD ACCESSIBILITY BE INFERRED. THE CONTRACTOR IS RESPONSIBLE TO FAMILIARIZE THEMSELVES WITH THE BUILDING AND EXISTING CONDITIONS, PRIOR TO THE SUBMITTING OF A BID FOR THIS PROJECT. REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK TO BE PROVIDED UNDER THIS

- CONTRACT. THIS ELECTRICAL DEMOLITION DRAWING SHOWING EXISTING CONDITIONS HAS BEEN PREPARED BASED ON FIELD OBSERVATION. ADDITIONAL COMPONENTS MAY EXIST WHICH DO NOT SHOW, AND SUCH ITEMS SHALL BE REMOVED TO MATCH SIMILAR ITEMS WHICH DO SHOW. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
- ABBREVIATIONS: E - EXISTING ITEM TO REMAIN ER - NEW LOCATION OF EXISTING ITEM N - NEW ITEM IN EXISTING LOCATION R - EXISTING ITEM TO BE REMOVED, PATCH AND/OR RN - REPLACE EXISTING WITH NEW RR - EXISTING ITEM TO BE REMOVED AND RELOCATED

## KEYNOTES #

EXISTING ACCESS CONTROL PANEL LOCATION. INSTALL MODULE TO PROVIDE OUTPUT TO PANEL AND OPEN MAGNETICALLY HELD DOORS UPON FIRE ALARM ACTIVATION.

REPLACE EXISTING DEVICE WITH NEW, SAME LOCATION

- A. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS
- PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.

RR - EXISTING ITEM TO BE REMOVED AND RELOCATED

C. ABBREVIATIONS: E - EXISTING ITEM TO REMAIN
ER - NEW LOCATION OF EXISTING ITEM
N - NEW ITEM IN EXISTING LOCATION R - EXISTING ITEM TO BE REMOVED, PATCH AND/OR COVER RN - REPLACE EXISTING WITH NEW Project No: CONSTRUCTION DOCUMENTS

Revision

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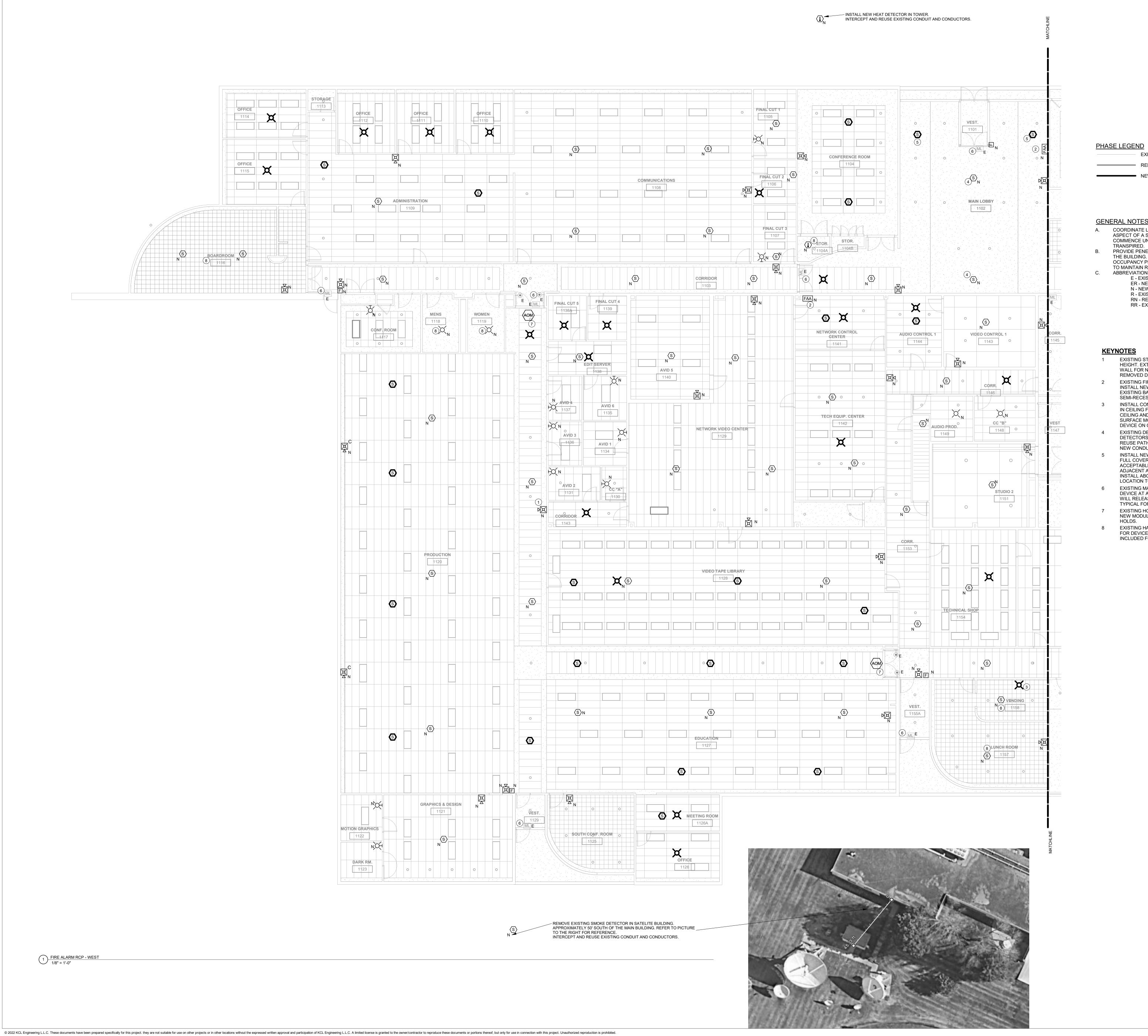
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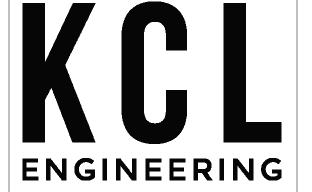
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Drawing Name: FIRE ALARM DEMO AND NEW - MEZZANINE

PHASE LEGEND EXISTING DEVICE TO REMAIN NEW DEVICE, NEW LOCATION





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EXISTING DEVICE TO REMAIN

REPLACE EXISTING DEVICE WITH NEW, SAME LOCATION

NEW DEVICE, NEW LOCATION

## **GENERAL NOTES**

COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS

PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING

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## KEYNOTES #

EXISTING STROBE IS BELOW CODE REQUIRED MINIMUM

RN - REPLACE EXISTING WITH NEW

- EXISTING FIRE ALARM ANNUNCIATOR PANEL IN LOCATION. INSTALL NEW ANNUNCIATOR PANEL ON WALL. REUSE EXISTING BACKBOX AND PROVIDE SKIRT AS REQUIRED FOR
- INSTALL CONDUIT ABOVE CEILING AND NEW RECESSED BOX IN CEILING FOR PATHWAYS TO NEW DEVICE. IF ADJACENT CEILING AND WALLS ARE NOT ACCESSIBLE, INSTALL SURFACE MOUNTED RACEWAY TO DEVICE TO INSTALL NEW
- EXISTING DEVICES IN LOBBY APPEARED TO BE HEAT DETECTORS. INSTALL NEW SMOKE DETECTORS IN SPACE. REUSE PATHWAYS IF DEEMED IN GOOD CONDITION FOR NEW CONDUCTORS TO DETECTORS.
- ACCEPTABLE IN THIS SPACE. USE ACCESS HATCHES AND ADJACENT ACCESSIBLE CEILINGS TO GAIN ACCESS TO INSTALL ABOVE CEILING. INSTALL NEW DEVICES IN BEST LOCATION TO PROVIDE CODE COMPLIANT COVERAGE.
- NEW MODULE TO PROVIDE CONTACT CLOSURE TO DOOR

HEIGHT. EXTEND CONDUIT/CONDUCTOR VERTICALLY UP WALL FOR NEW DEVICE. INSTALL BLANK COVERPLATE ON REMOVED DEVICE LOCATION.

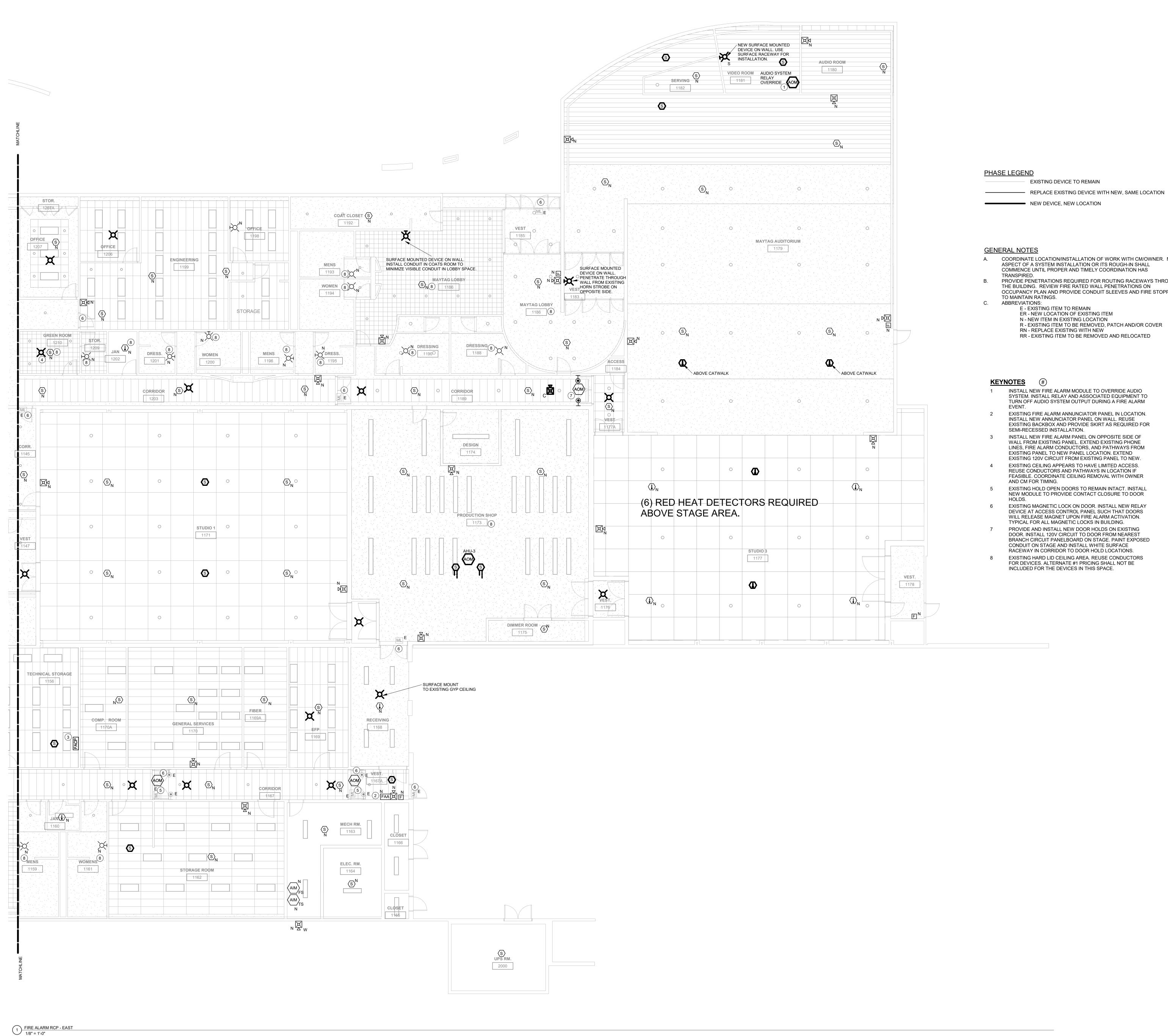
- SEMI-RECESSED INSTALLATION. DEVICE ON CEILING.
- INSTALL NEW SMOKE DETECTORS IN SPACE TO PROVIDE FULL COVERAGE. SURFACE RACEWAY WILL NOT BE
- EXISTING MAGNETIC LOCK ON DOOR. INSTALL NEW RELAY DEVICE AT ACCESS CONTROL PANEL SUCH THAT DOORS WILL RELEASE MAGNET UPON FIRE ALARM ACTIVATION. TYPICAL FOR ALL MAGNETIC LOCKS IN BUILDING. EXISTING HOLD OPEN DOORS TO REMAIN INTACT. INSTALL
- EXISTING HARD LID CEILING AREA. REUSE CONDUCTORS FOR DEVICES. ALTERNATE #1 PRICING SHALL NOT BE INCLUDED FOR THE DEVICES IN THIS SPACE.

Project No: CONSTRUCTION DOCUMENTS

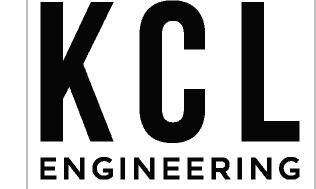
# Revision

Drawing Name:

FIRE DETECTION &



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- COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS
- PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON
- OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING
- ER NEW LOCATION OF EXISTING ITEM N - NEW ITEM IN EXISTING LOCATION R - EXISTING ITEM TO BE REMOVED, PATCH AND/OR COVER RN - REPLACE EXISTING WITH NEW

INSTALL NEW FIRE ALARM MODULE TO OVERRIDE AUDIO SYSTEM. INSTALL RELAY AND ASSOCIATED EQUIPMENT TO TURN OFF AUDIO SYSTEM OUTPUT DURING A FIRE ALARM

- EXISTING FIRE ALARM ANNUNCIATOR PANEL IN LOCATION. INSTALL NEW ANNUNCIATOR PANEL ON WALL. REUSE EXISTING BACKBOX AND PROVIDE SKIRT AS REQUIRED FOR
- INSTALL NEW FIRE ALARM PANEL ON OPPOSITE SIDE OF WALL FROM EXISTING PANEL. EXTEND EXISTING PHONE LINES, FIRE ALARM CONDUCTORS, AND PATHWAYS FROM EXISTING PANEL TO NEW PANEL LOCATION. EXTEND EXISTING 120V CIRCUIT FROM EXISTING PANEL TO NEW. EXISTING CEILING APPEARS TO HAVE LIMITED ACCESS. REUSE CONDUCTORS AND PATHWAYS IN LOCATION IF FEASIBLE. COORDINATE CEILING REMOVAL WITH OWNER
- EXISTING HOLD OPEN DOORS TO REMAIN INTACT. INSTALL NEW MODULE TO PROVIDE CONTACT CLOSURE TO DOOR
- EXISTING MAGNETIC LOCK ON DOOR. INSTALL NEW RELAY DEVICE AT ACCESS CONTROL PANEL SUCH THAT DOORS WILL RELEASE MAGNET UPON FIRE ALARM ACTIVATION. TYPICAL FOR ALL MAGNETIC LOCKS IN BUILDING.
- PROVIDE AND INSTALL NEW DOOR HOLDS ON EXISTING DOOR. INSTALL 120V CIRCUIT TO DOOR FROM NEAREST BRANCH CIRCUIT PANELBOARD ON STAGE. PAINT EXPOSED CONDUIT ON STAGE AND INSTALL WHITE SURFACE RACEWAY IN CORRIDOR TO DOOR HOLD LOCATIONS.
- EXISTING HARD LID CEILING AREA. REUSE CONDUCTORS FOR DEVICES. ALTERNATE #1 PRICING SHALL NOT BE INCLUDED FOR THE DEVICES IN THIS SPACE.

Project No: CONSTRUCTION DOCUMENTS # Revision

Drawing Name: FIRE DETECTION &