

# LEON COUNTY COURTHOUSE NEW FIRE ALARM SYSTEM

100% CONSTRUCTION DOCUMENTS

for  
LEON COUNTY  
TALLAHASSEE, FLORIDA

March 13, 2013



Pinnacle Engineering Group, P.A.

200 THOMASVILLE ROAD, SUITE 100  
TALLAHASSEE, FLORIDA 32309  
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Engineering Business #723

PEG #212-116

## DRAWING LIST

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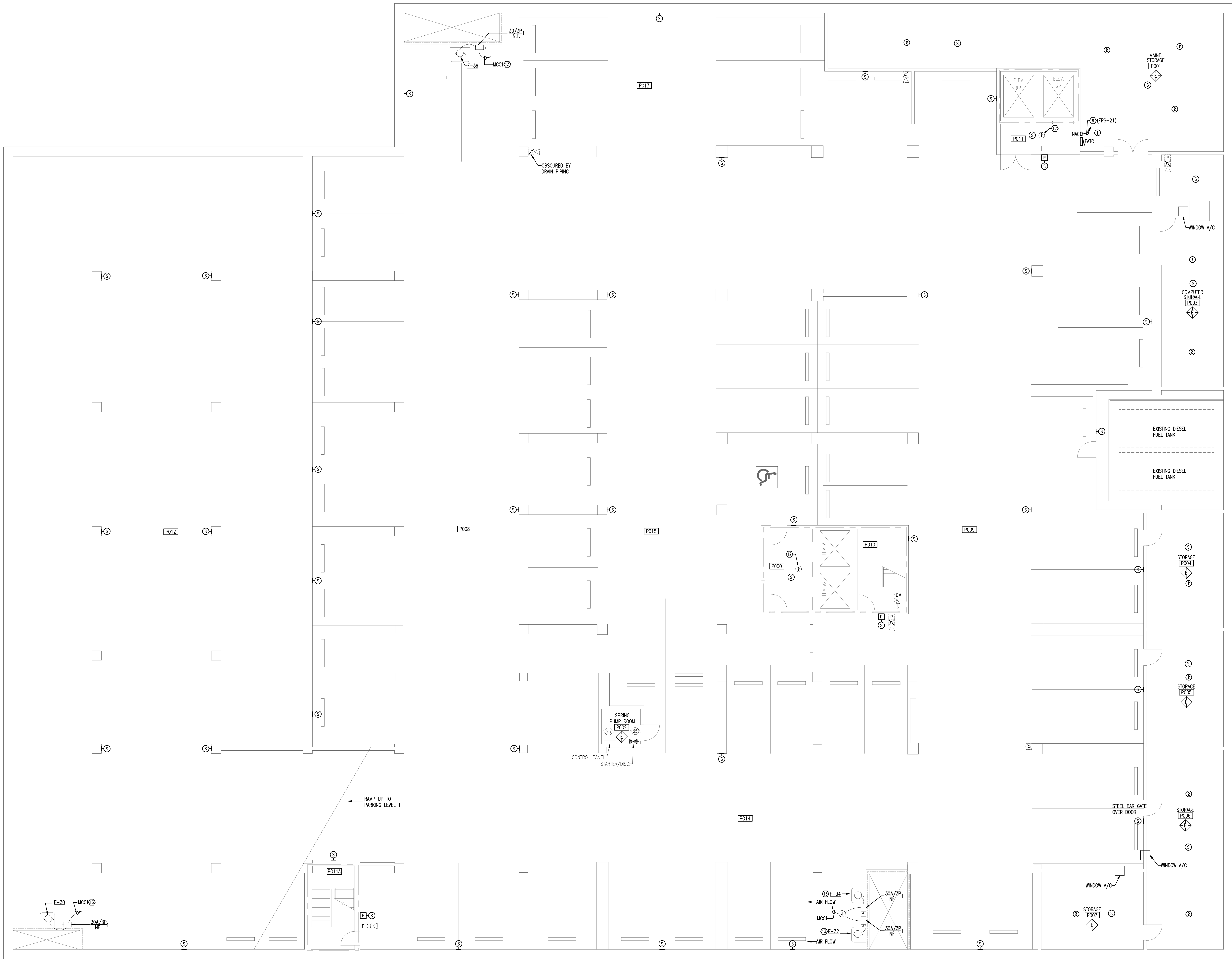




**WALL RATINGS LEGEND**

---	1 HOUR FIRE RATED PARTITION
---	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

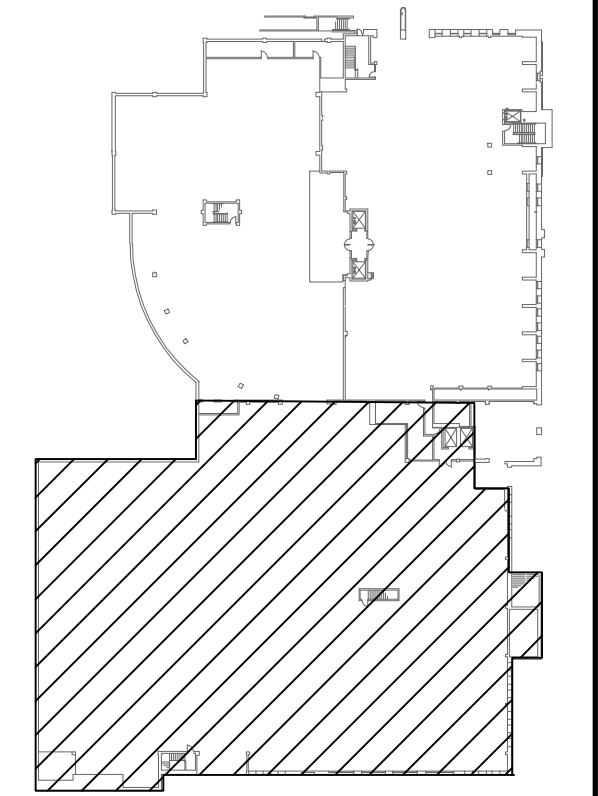
- WORK NOTES:**
- 1 PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  - 2 PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  - 3 EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  - 4 PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  - 5 PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  - 6 PROVIDE (1) 1/2" C-1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  - 7 REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACP'S.
  - 8 PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  - 9 PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
  - 10 PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - 11 PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - 12 REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  - 13 NO SHUT-DOWN RELAY REQUIRED.



TANK AREA IS SPRINKLERED

**LINE TYPE LEGEND**

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN (LIGHT)
---	NEW TO BE PROVIDED (BOLD)



**PARKING LEVEL 0 - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**  
SCALE: 1/8"=1'-0"

DATE: \_\_\_\_\_  
REV. # DESCRIPTION

**Pinnacle Engineering Group, P.A.**  
Pinnacle Engineering Group, P.A.  
11115 N. W. 11th Street, Suite 100  
Tallahassee, Florida 32310  
Tel: 904.433.1111 Fax: 904.433.1112  
www.pinnacleeng.com

**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**  
LEON COUNTY  
TALLAHASSEE, FLORIDA

BRAND TITLE: **PARKING LEVEL 0  
EXISTING CONDITIONS/NEW WORK  
FLOOR PLAN**

FILE: E1.P0  
JOB NO.: 212-116  
DATE: 3/13/2013  
SCALE: 1=1  
DRAWN BY: DLG  
CHECKED BY: RKF  
SHEET No.: **E1.P0**

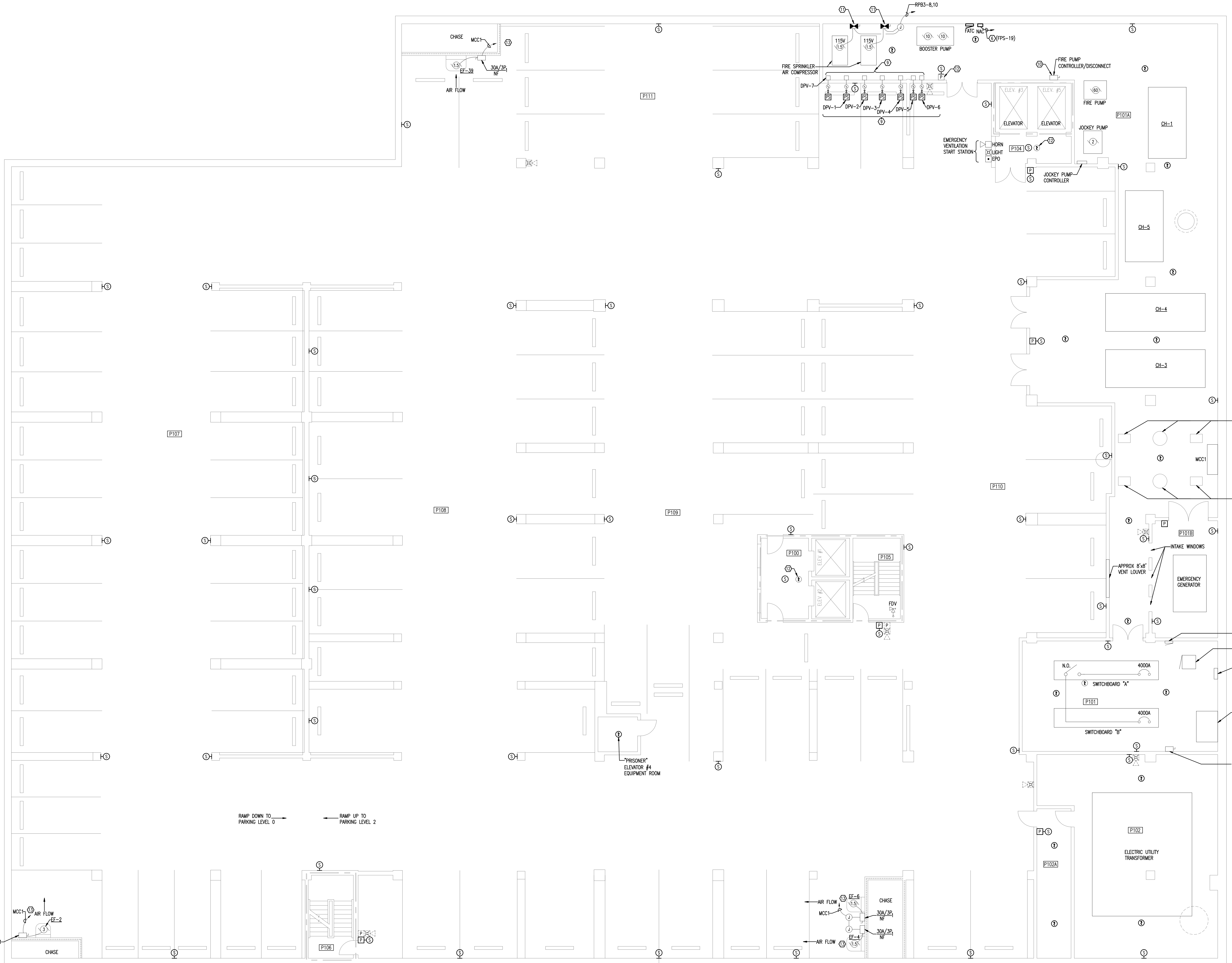
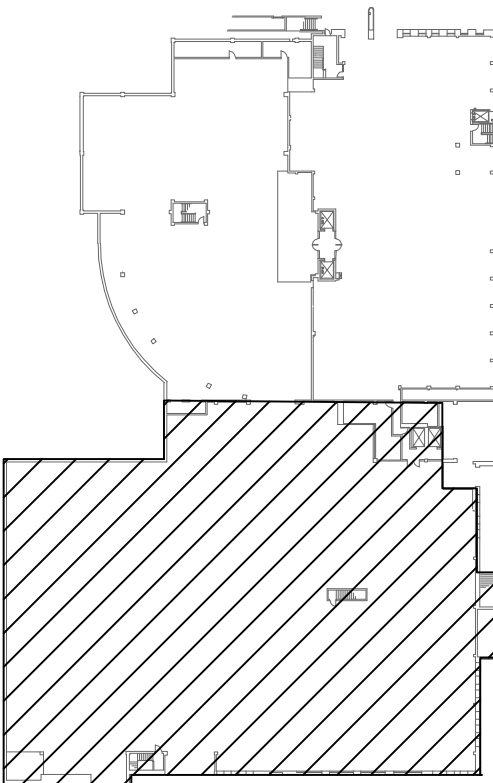
M:\212-116 Leon Cty Of the alarm\EL.P0.dwg, 3/13/2013 3:25:41 PM, Ruckard

WALL RATING LEGEND	
---	1 HOUR FIRE RATED PARTITION
---	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

**WORK NOTES:**

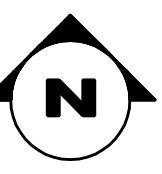
- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
- PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
- EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
- PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
- PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
- PROVIDE (1) 7C-1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
- REMOVE EXISTING FACPS AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FAAPS.
- PROVIDE MANUAL/AUTO CONTROL SWITCH IN BAILEYS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
- PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
- PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
- PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
- REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
- NO SHUT-DOWN RELAY REQUIRED.

LINE TYPE LEGEND	
---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW TO BE PROVIDED



**PARKING LEVEL 1 - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

SCALE: 1/8"=1'-0"



DATE: \_\_\_\_\_  
 REV. # DESCRIPTION: \_\_\_\_\_

LEON COUNTY COURTHOUSE  
 NEW FIRE ALARM SYSTEM  
 LEON COUNTY  
 TALLAHASSEE, FLORIDA

BRAND TITLE: \_\_\_\_\_  
 FILE: E1.P1  
 JOB NO.: 212-116  
 DATE: 3/13/2013  
 SCALE: 1=1  
 DRAWN BY: DLG  
 CHECKED BY: RKF  
 SHEET No.: \_\_\_\_\_

**E1.P1**

M:\212-116 Leon Cty Of the alarm\E1.P1.dwg, 3/13/2013 3:25:23 PM, Ruckel

WALL RATING LEGEND	
	1 HOUR FIRE RATED PARTITION
	1 HOUR RATED FIRE/SMOKE PARTITION
	2 HOUR FIRE RATED PARTITION
	SMOKE TIGHT CONSTRUCTION

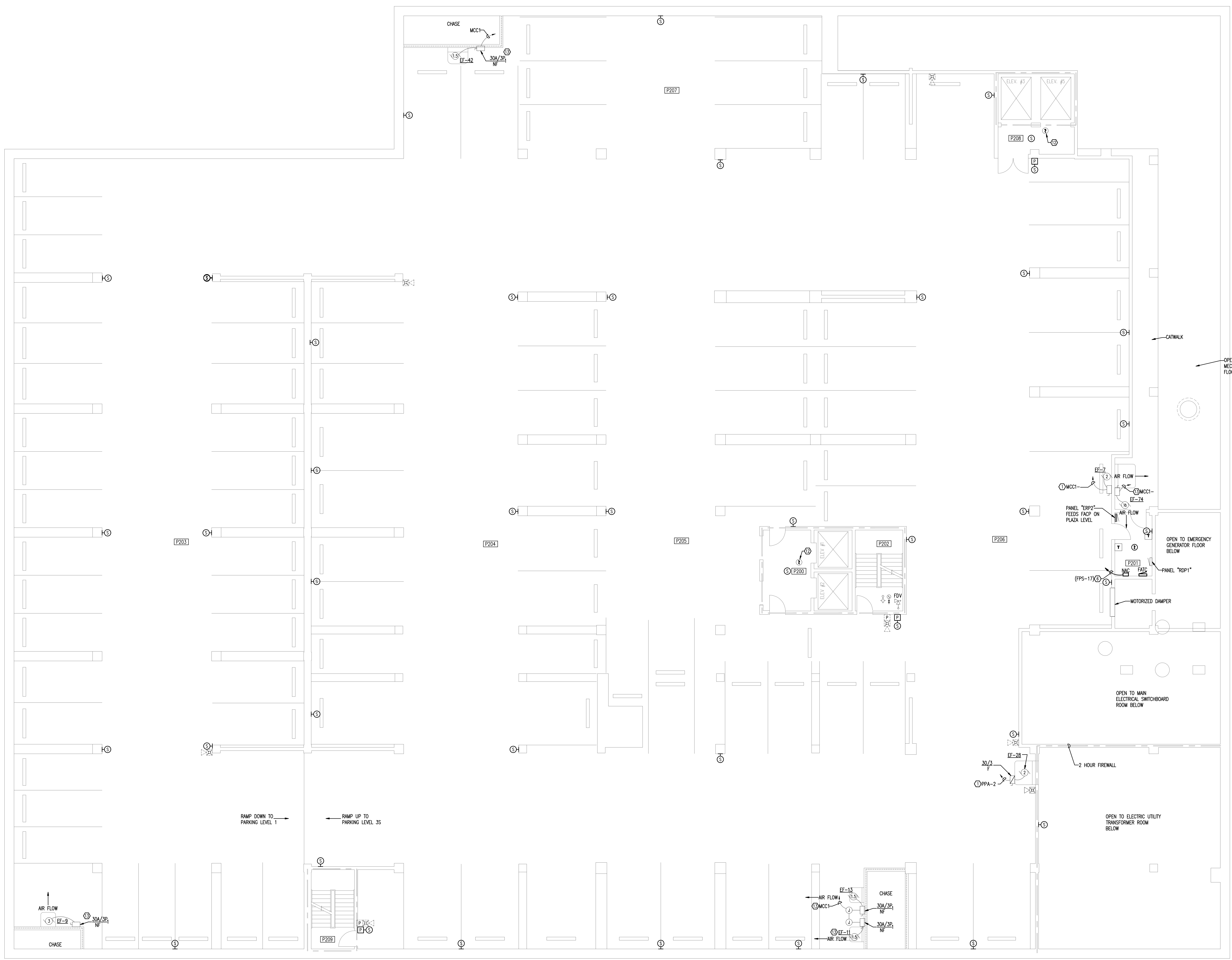
**WORK NOTES:**

- ① PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
- ② PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
- ③ EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
- ④ PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
- ⑤ PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
- ⑥ PROVIDE (1) 2"Ø-1 #10 A, 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
- ⑦ REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FAAP'S.
- ⑧ PROVIDE MANUAL/AUTO CONTROL SWITCH IN BAILIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
- ⑨ PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
- ⑩ PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
- ⑪ PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
- ⑫ REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
- ⑬ NO SHUT-DOWN RELAY REQUIRED.

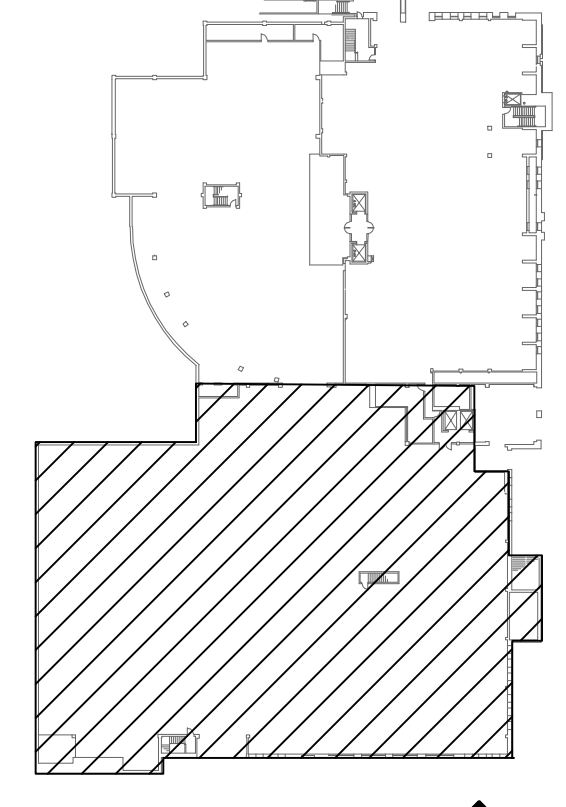
DATE	
REV. #	DESCRIPTION

**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**  
LEON COUNTY  
TALLAHASSEE, FLORIDA

BRAND TITLE	PARKING LEVEL 2 EXISTING CONDITIONS/NEW WORK FLOOR PLAN
FILE:	E1.P2
JOB NO.:	212-116
DATE :	3/13/2013
SCALE:	1=1
DRAWN BY:	DLG
CHECKED BY:	RKF
SHEET No.:	E1.P2

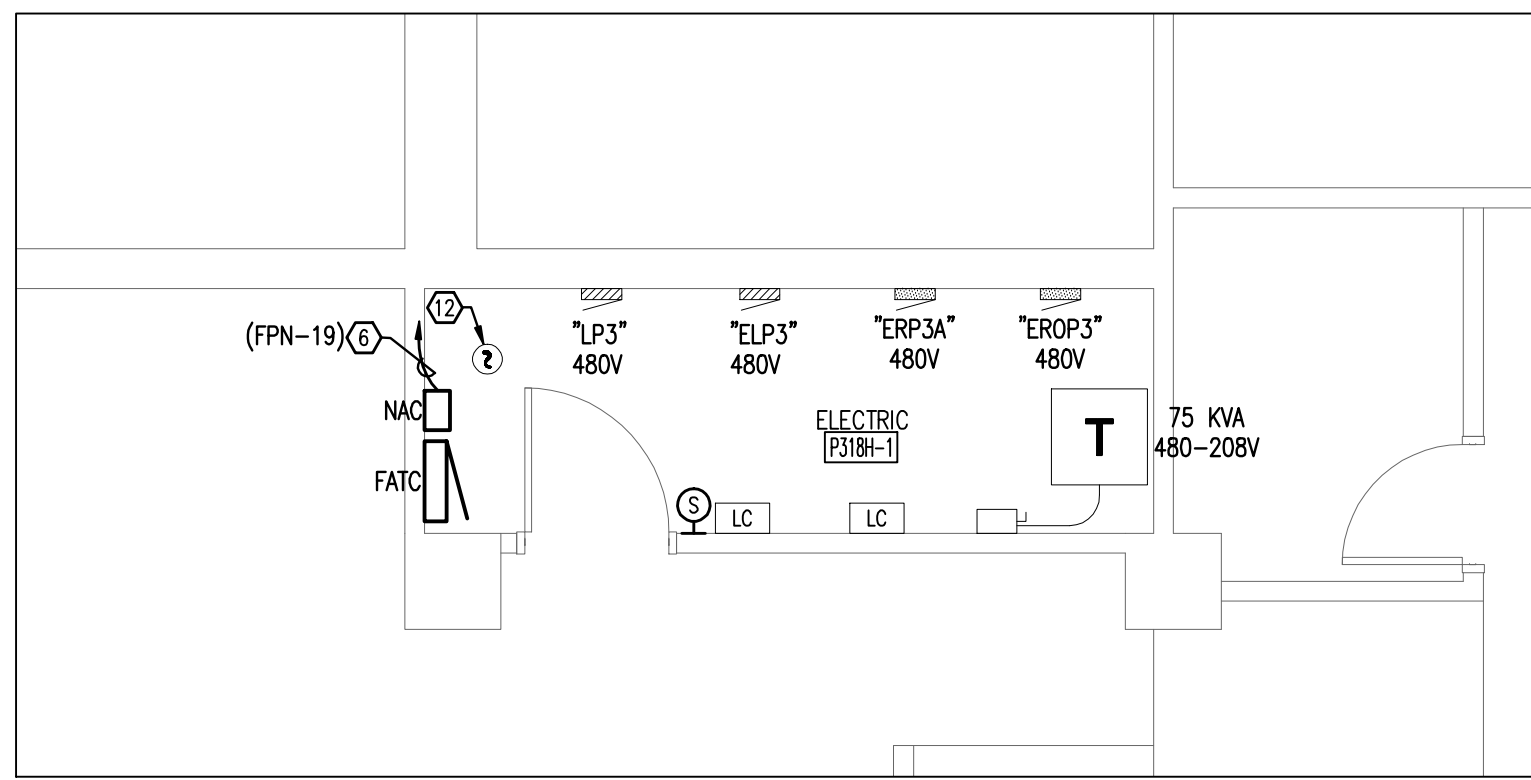


LINE TYPE LEGEND	
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN
	NEW TO BE PROVIDED



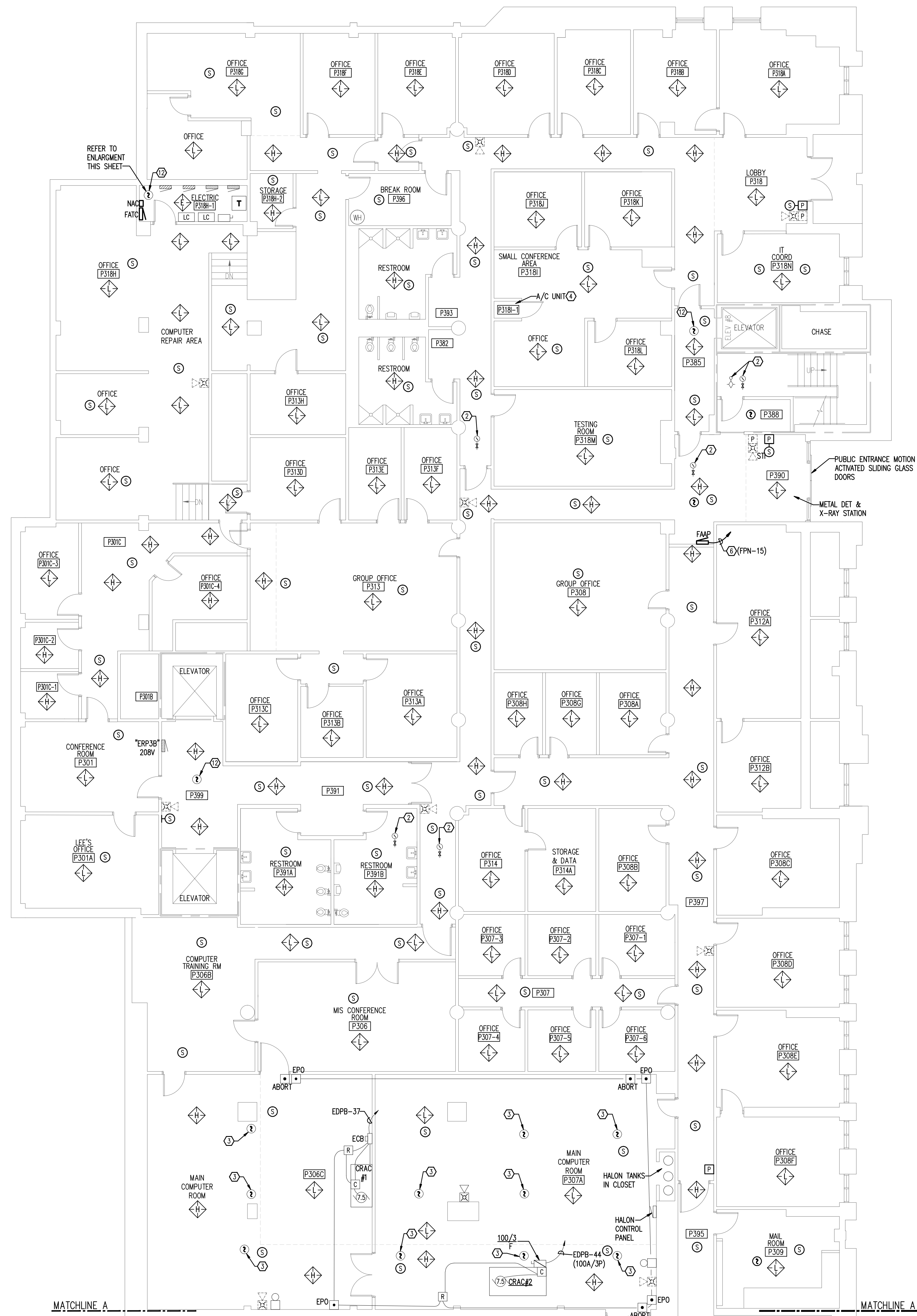
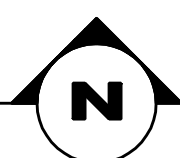
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SCALE: 1/8"=1'-0"

M:\212-116 Leon Cty Of the alarm\E1.P2.dwg, 3/13/2013 3:26:46 PM, Ratched



**ENLARGED ELECTRIC ROOM**

SCALE: 1/4"=1'-0"



**WORK NOTES:**

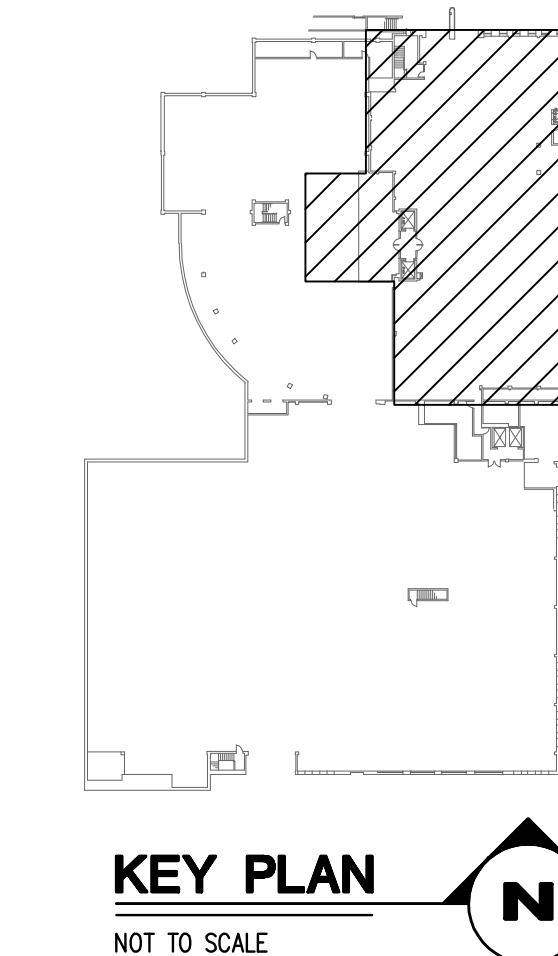
1. PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
2. PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
3. EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
4. PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
5. PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
6. PROVIDE (1) 2C-1 #10 W, 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
7. REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACP'S.
8. PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
9. PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
10. PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
11. PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
12. REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
13. NO SHUT-DOWN RELAY REQUIRED.

**WALL RATING LEGEND**

- 1 HOUR FIRE RATED PARTITION
- 1 HOUR FIRE RATED FIRE/SMOKE PARTITION
- 2 HOUR FIRE RATED PARTITION
- SMOKE TIGHT CONSTRUCTION

**LINE TYPE LEGEND**

- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- NEW TO BE PROVIDED



**PARKING LEVEL 3 NORTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

SCALE: 1/8"=1'-0"



DATE: \_\_\_\_\_  
 REV. # DESCRIPTION: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

FILE: E1.P3N  
 JOB NO.: 212-116  
 DATE: 3/13/2013  
 SCALE: 1=1  
 DRAWN BY: DLG  
 CHECKED BY: RKF  
 SHEET No.:

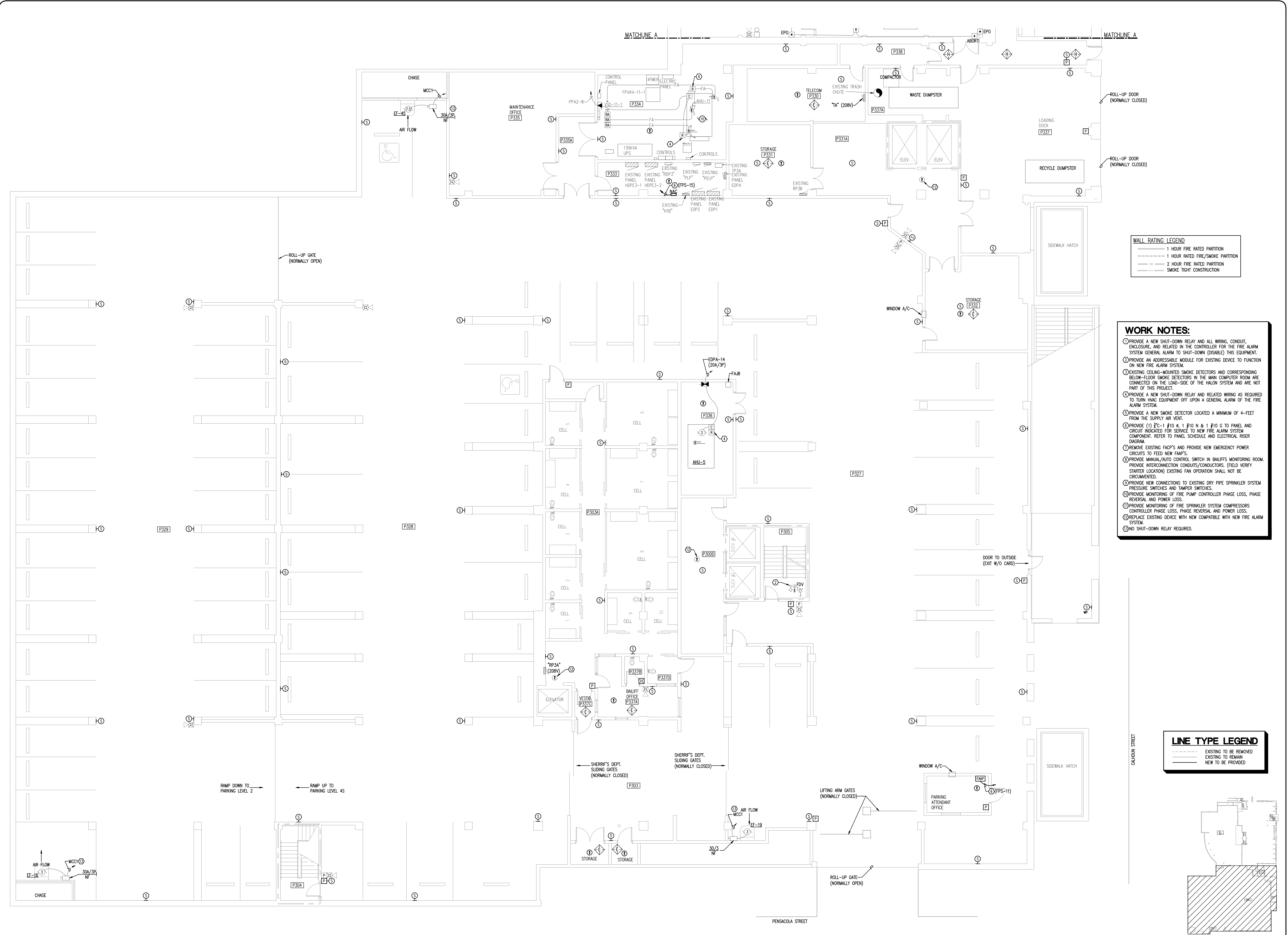
**LEON COUNTY COURTHOUSE**  
**NEW FIRE ALARM SYSTEM**  
 LEON COUNTY  
 TALLAHASSEE, FLORIDA

**PARKING LEVEL 3 NORTH**  
**EXISTING CONDITIONS/NEW WORK**  
**FLOOR PLAN**

**E1.P3N**

M:\212-116 Leon Cty Of the Admin\E1.P3N S.dwg, 3/13/2013 3:24:04 PM, Ruckard

M:\12-116 Leon Cty Of the Admin\EL.P35 S.dwg, 3/13/2013 3:24:23 PM, Ratched



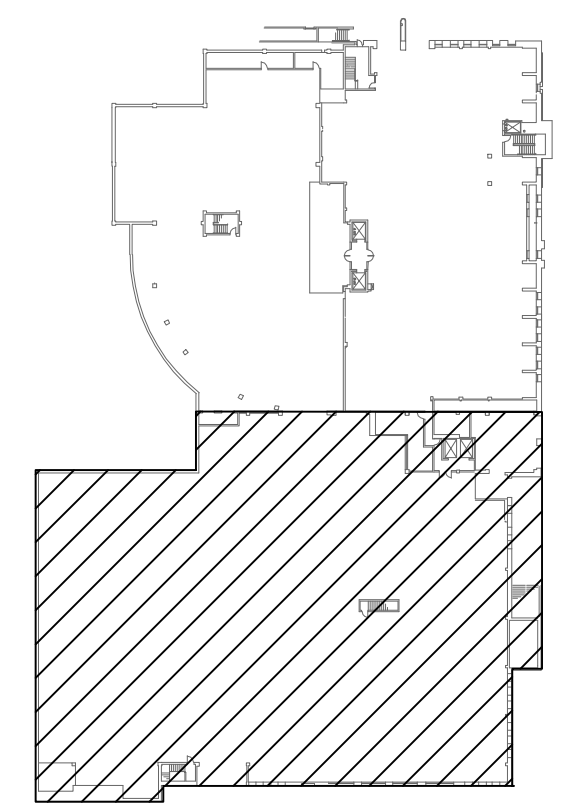
**WALL RATING LEGEND**

---	1 HOUR FIRE RATED PARTITION
---	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

- WORK NOTES:**
1. PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  2. PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  3. EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  4. PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  5. PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  6. PROVIDE (1) 1/2" C-1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  7. REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACP'S.
  8. PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
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  11. PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  12. REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  13. NO SHUT-DOWN RELAY REQUIRED.

**LINE TYPE LEGEND**

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW TO BE PROVIDED



**PARKING LEVEL 3 SOUTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**  
SCALE: 1/8"=1'-0"

SPAL  
**Pinnacle Engineering Group, P.A.**  
 11100 University Road, Suite 200  
 Tallahassee, Florida 32310  
 P: (904) 833-1111  
 F: (904) 833-1112  
 E: info@pinnacleeng.com  
 www.pinnacleeng.com

DATE: \_\_\_\_\_  
 REV# DESCRIPTION: \_\_\_\_\_

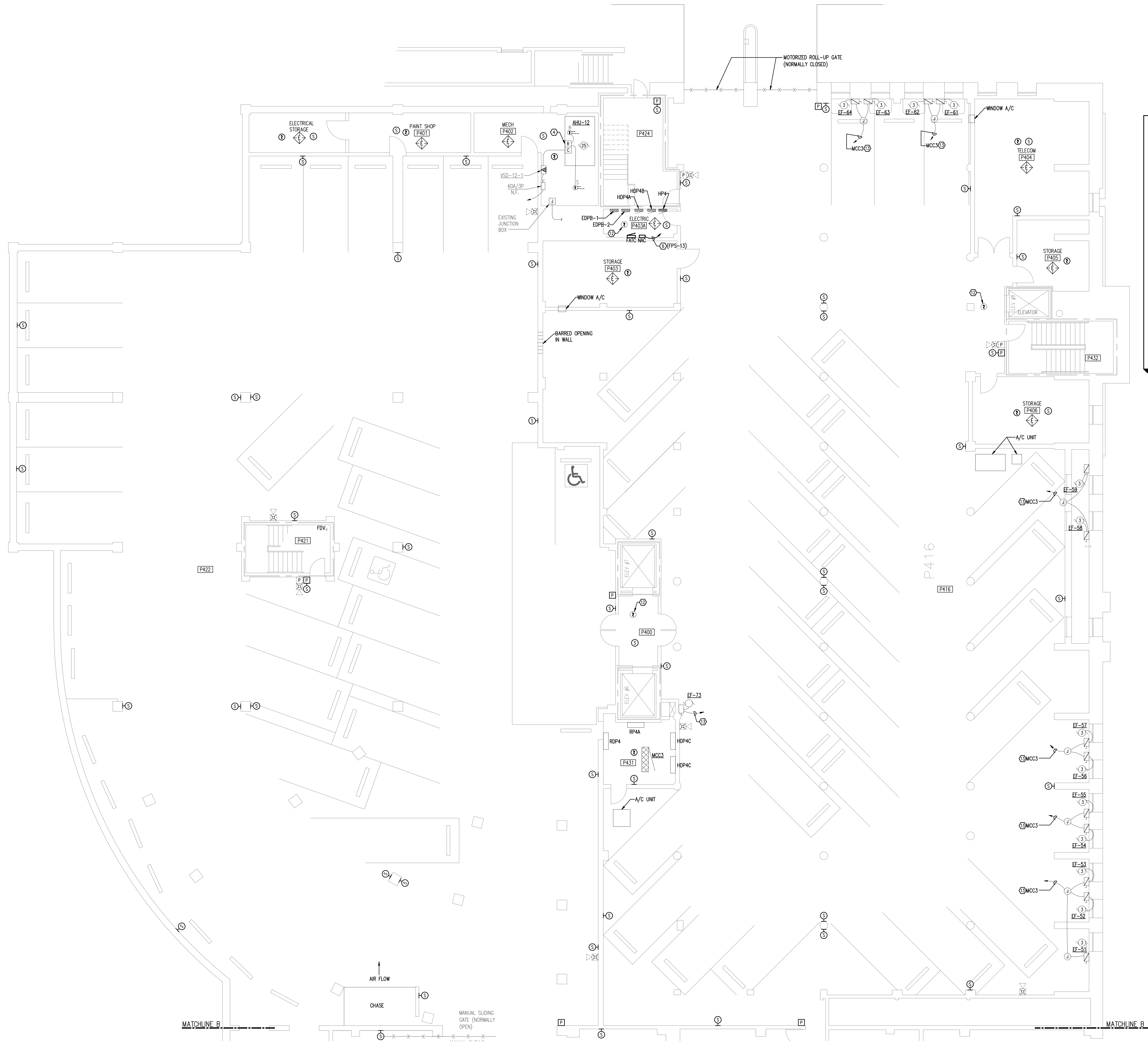
**LEON COUNTY COURTHOUSE  
 NEW FIRE ALARM SYSTEM**  
 LEON COUNTY  
 TALLAHASSEE, FLORIDA

BRAND TITLE:  
**PARKING LEVEL 3 SOUTH  
 EXISTING CONDITIONS/NEW WORK  
 FLOOR PLAN**

FILE: E1.P35  
 JOB NO.: 212-116  
 DATE: 3/13/2013  
 SCALE: 1=1  
 DRAWN BY: DLG  
 CHECKED BY: RKF  
 SHEET No.:

**E1.3PS**





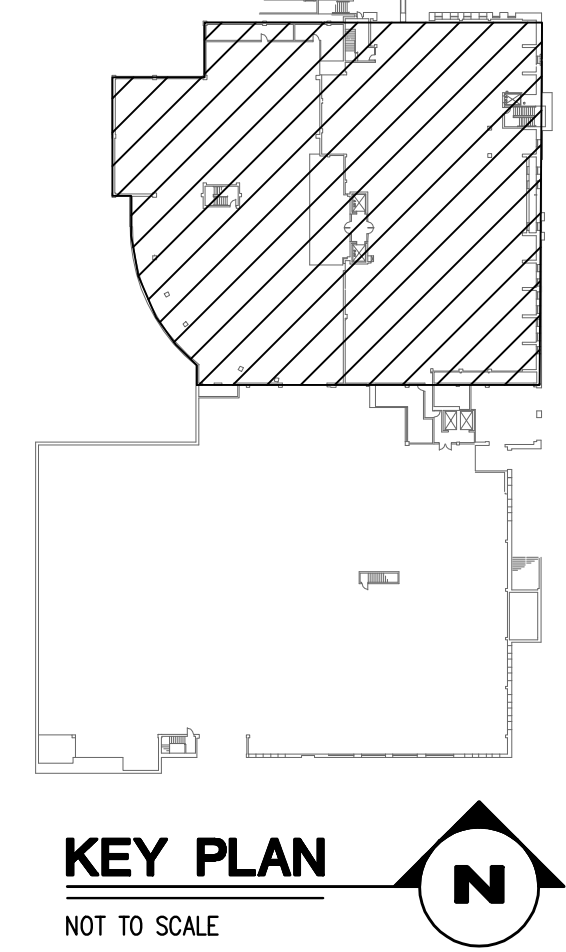
**WALL RATING LEGEND**

---	1 HOUR FIRE RATED PARTITION
- - - -	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

- WORK NOTES:**
- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT ON NEW FIRE ALARM SYSTEM.
  - PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  - EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  - PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  - PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  - PROVIDE (1) 2" x 1" #10 x 1" #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  - REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACP'S.
  - PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  - PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
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  - PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  - NO SHUT-DOWN RELAY REQUIRED.

**LINE TYPE LEGEND**

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW TO BE PROVIDED



**PARKING LEVEL 4 NORTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**  
SCALE: 1/8"=1'-0"

DATE: \_\_\_\_\_  
REV. # DESCRIPTION: \_\_\_\_\_

**Pinnacle Engineering Group, P.A.**  
Pinnacle Engineering Group, P.A.  
11100 University Road, Suite 100  
Tallahassee, Florida 32310  
Tel: 904.875.1111  
Fax: 904.875.1112  
www.pinnacleeng.com

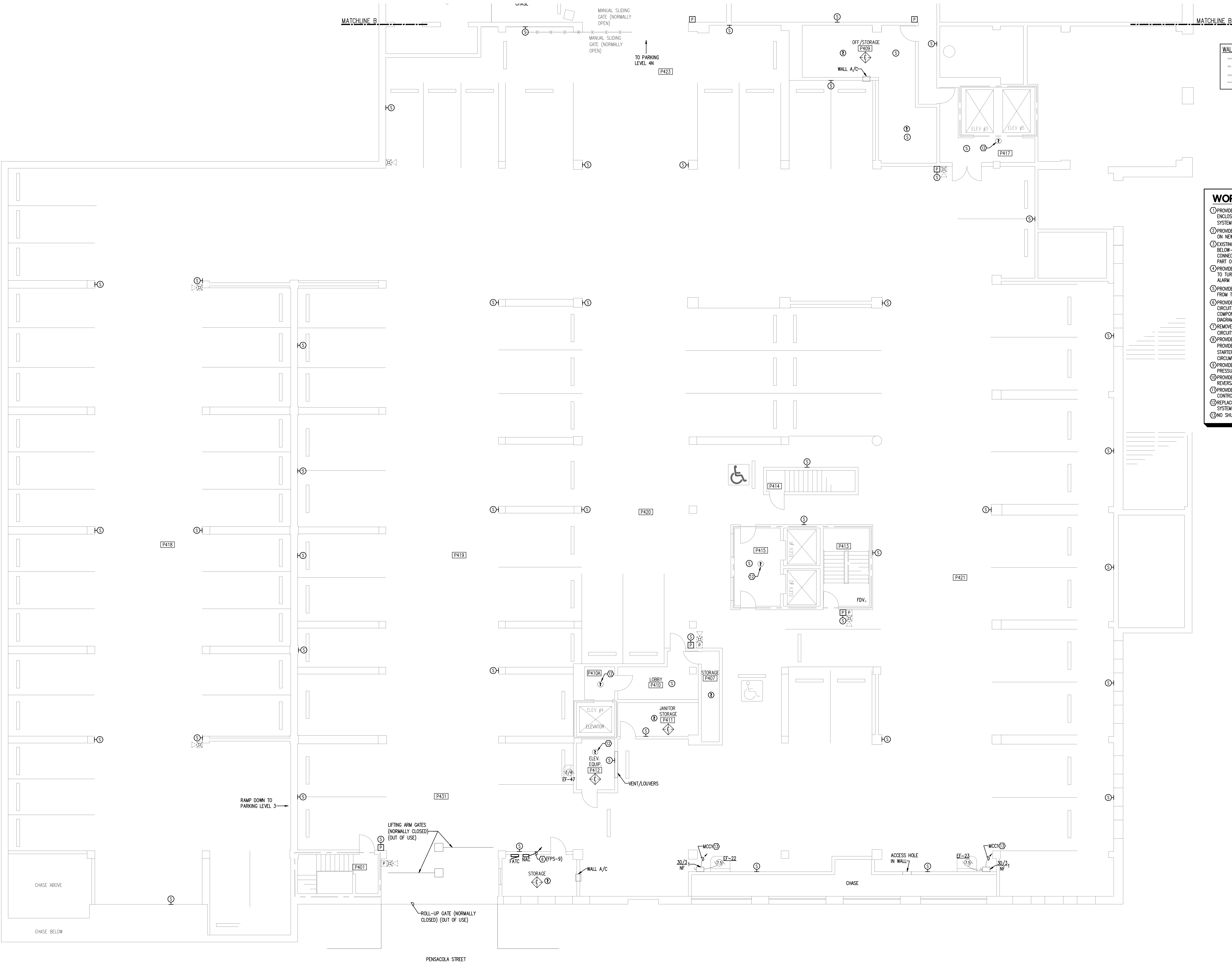
**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**  
LEON COUNTY  
TALLAHASSEE, FLORIDA

DRAWING TITLE: **PARKING LEVEL 4 NORTH  
EXISTING CONDITIONS/NEW WORK  
FLOOR PLAN**

FILE: E1.P4N  
JOB NO.: 212-116  
DATE: 3/13/2013  
SCALE: 1"=1'  
DRAWN BY: DLG  
CHECKED BY: RKF  
SHEET No.:

**E1.P4N**

M:\212-116 Leon Cty Of the alarm\E1.P4N.dwg, 3/13/2013 3:25:23 PM, RKF



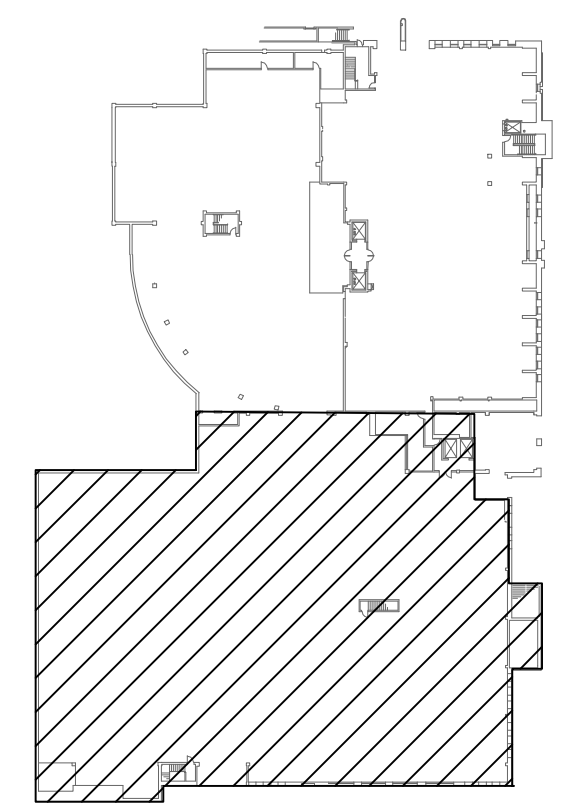
**WALL RATING LEGEND**

---	1 HOUR FIRE RATED PARTITION
---	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

- WORK NOTES:**
- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  - PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  - EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  - PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  - PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4'-FEET FROM THE SUPPLY AIR VENT.
  - PROVIDE (1) 2" x 1" #10 & 1 #10 G & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  - REMOVE EXISTING FAO'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FAO'S.
  - PROVIDE MANUAL/AUTO CONTROL SWITCH IN BULF'S MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  - PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
  - PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  - NO SHUT-DOWN RELAY REQUIRED.

**LINE TYPE LEGEND**

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW TO BE PROVIDED



**PARKING LEVEL 4 SOUTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**  
SCALE: 1/8"=1'-0"

SEAL  
**Pinnacle Engineering Group, P.A.**  
 Pinnacle Engineering Group, P.A.  
 11000 UNIVERSITY BLVD, SUITE 200  
 TALLAHASSEE, FLORIDA 32310  
 OFFICIAL REGISTERED PROFESSIONAL ENGINEER  
 LICENSE NO. 12000

DATE: \_\_\_\_\_  
 REV. / DESCRIPTION

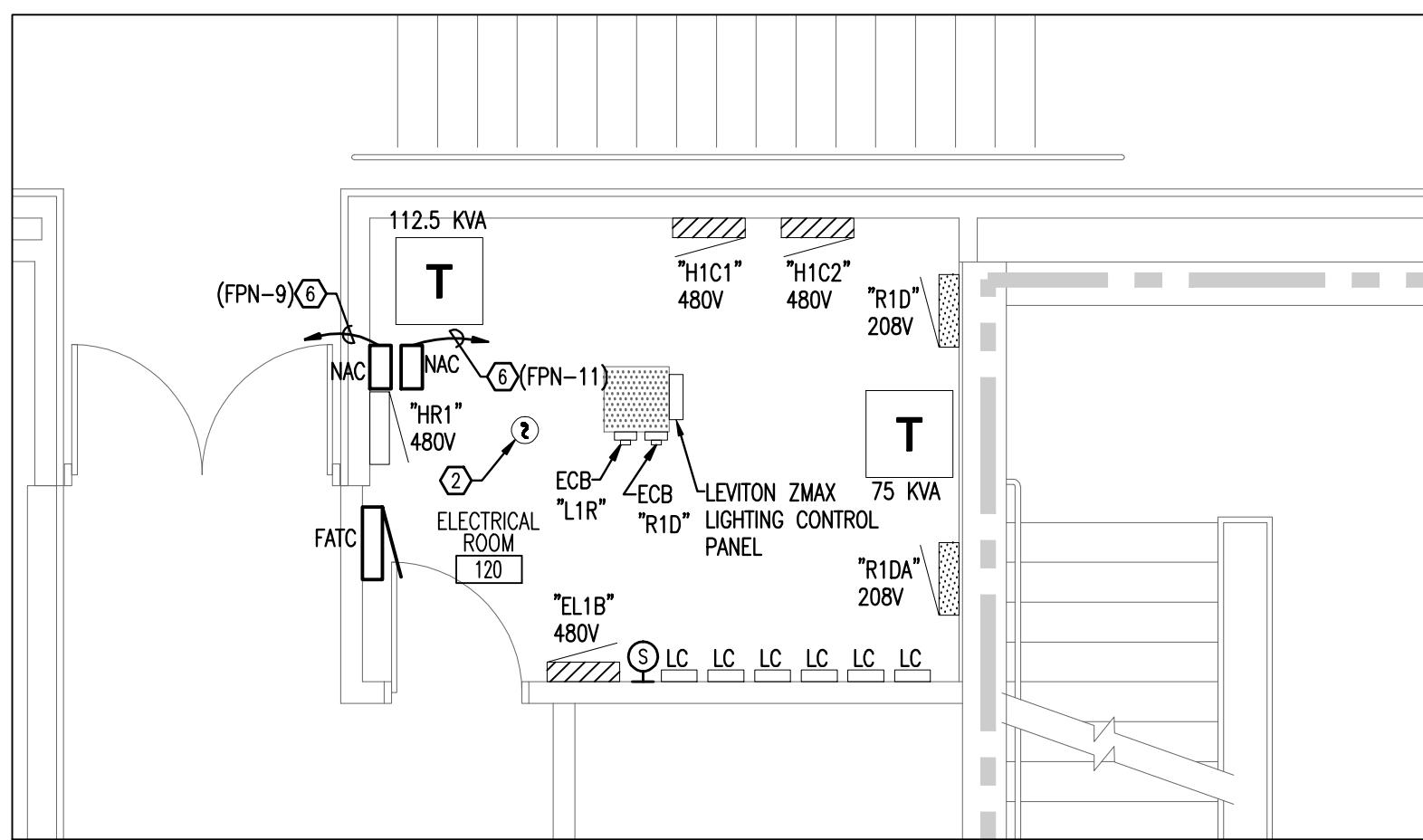

**LEON COUNTY COURTHOUSE**  
**NEW FIRE ALARM SYSTEM**  
 LEON COUNTY  
 TALLAHASSEE, FLORIDA

BRAND TITLE:  
**PARKING LEVEL 4 SOUTH**  
**EXISTING CONDITIONS/NEW WORK**  
**FLOOR PLAN**

FILE: E1.P4S  
 JOB NO.: 212-116  
 DATE: 3/13/2013  
 SCALE: 1"=1'  
 DRAWN BY: DLG  
 CHECKED BY: RKF  
 SHEET No.:

**E1.P4S**

M:\212-116 Leon CTY Of the admn\EL\_P4S.dwg, 3/13/2013 3:25:42 PM, RKF

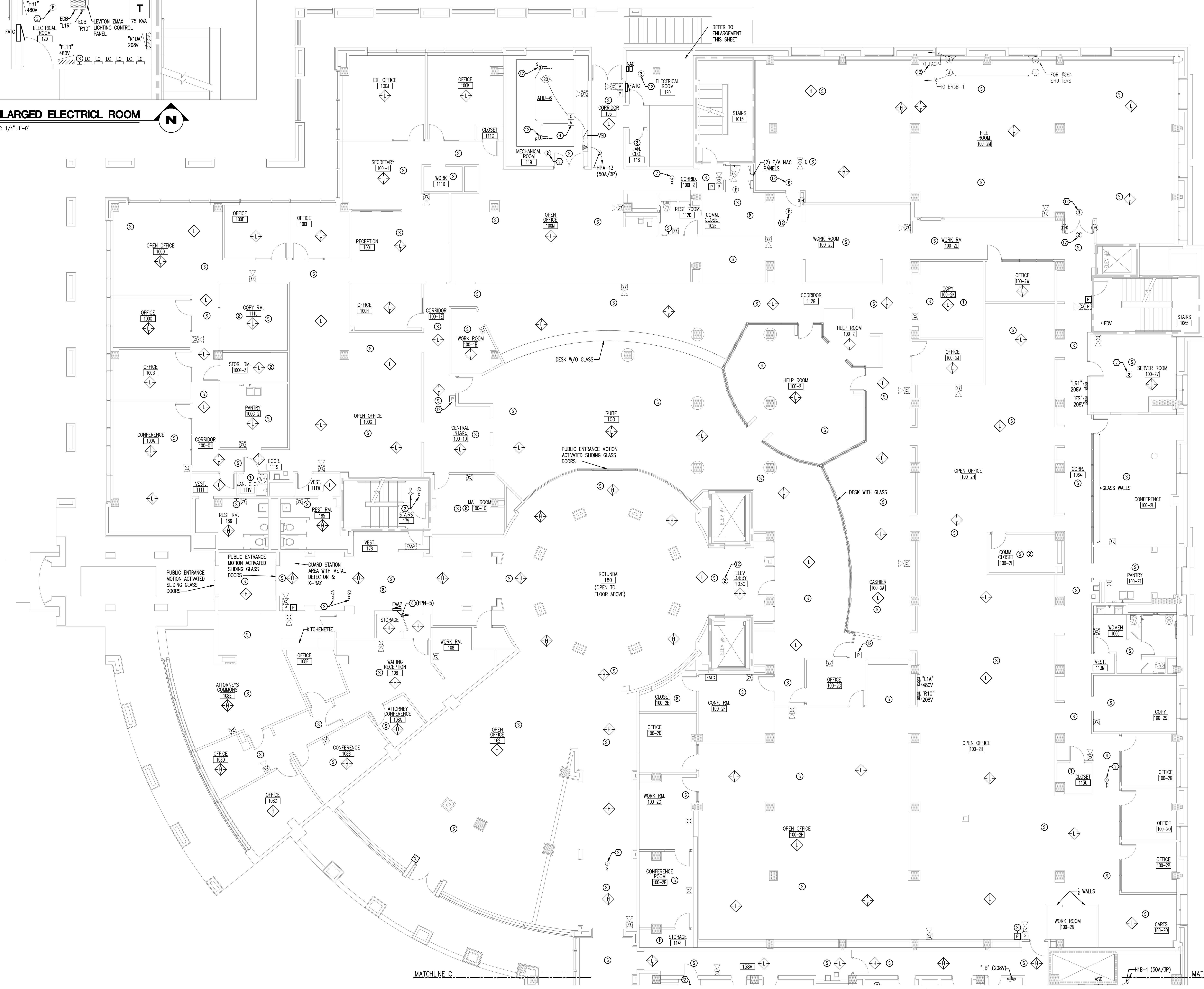


**ENLARGED ELECTRICAL ROOM**

SCALE: 1/4"=1'-0"

WALL RATING LEGEND	
[Symbol]	1 HOUR FIRE RATED PARTITION
[Symbol]	1 HOUR RATED FIRE/SMOKE PARTITION
[Symbol]	2 HOUR FIRE RATED PARTITION
[Symbol]	SMOKE TIGHT CONSTRUCTION

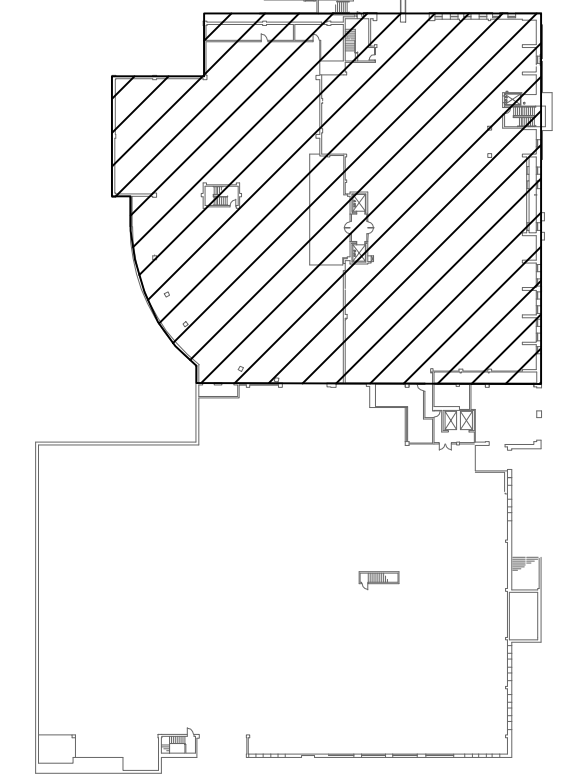
- WORK NOTES:**
1. PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED TO THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  2. PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  3. EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  4. PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  5. PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4-FEET FROM THE SUPPLY AIR VENT.
  6. PROVIDE (1) 3" C-1 #10 & 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  7. REMOVE EXISTING FACPS AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACPS.
  8. PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALLET'S MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  9. PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
  10. PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  11. PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  12. REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  13. NO SHUT-DOWN RELAY REQUIRED.



LINE TYPE LEGEND	
[Symbol]	EXISTING TO BE REMOVED
[Symbol]	EXISTING TO REMAIN
[Symbol]	NEW TO BE PROVIDED

**PLAZA LEVEL NORTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

SCALE: 1/8"=1'-0"



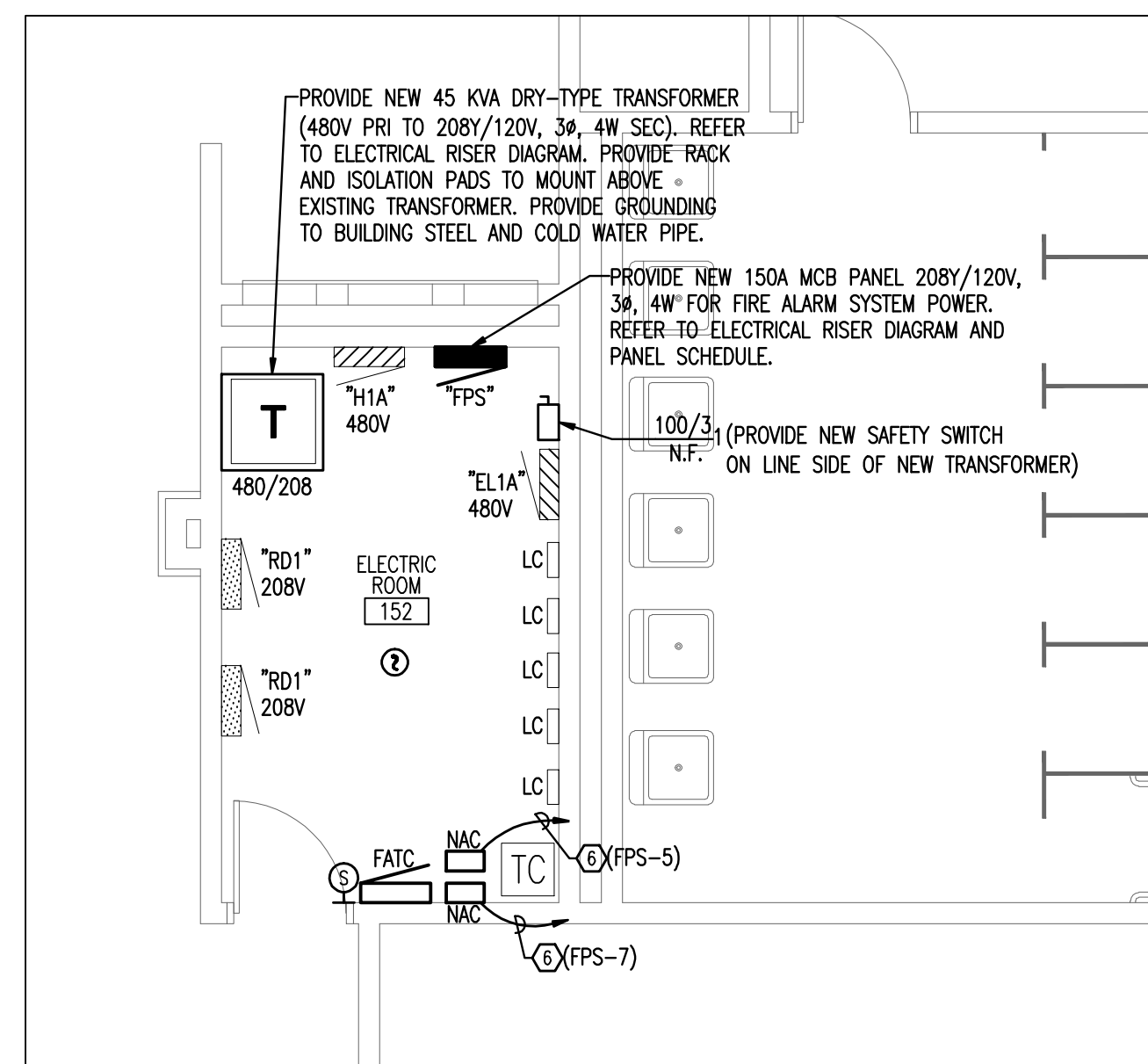
**KEY PLAN**  
NOT TO SCALE

**Pinnacle Engineering Group, P.A.**  
 1000 W. PALM BEACH BLVD. SUITE 200  
 PALM BEACH, FLORIDA 33480  
 TEL: 561-840-1111 FAX: 561-840-1112  
 OFFICE: 561-840-1111  
 www.pinnacleeng.com

**LEON COUNTY COURTHOUSE**  
**NEW FIRE ALARM SYSTEM**  
 LEON COUNTY  
 TALLAHASSEE, FLORIDA

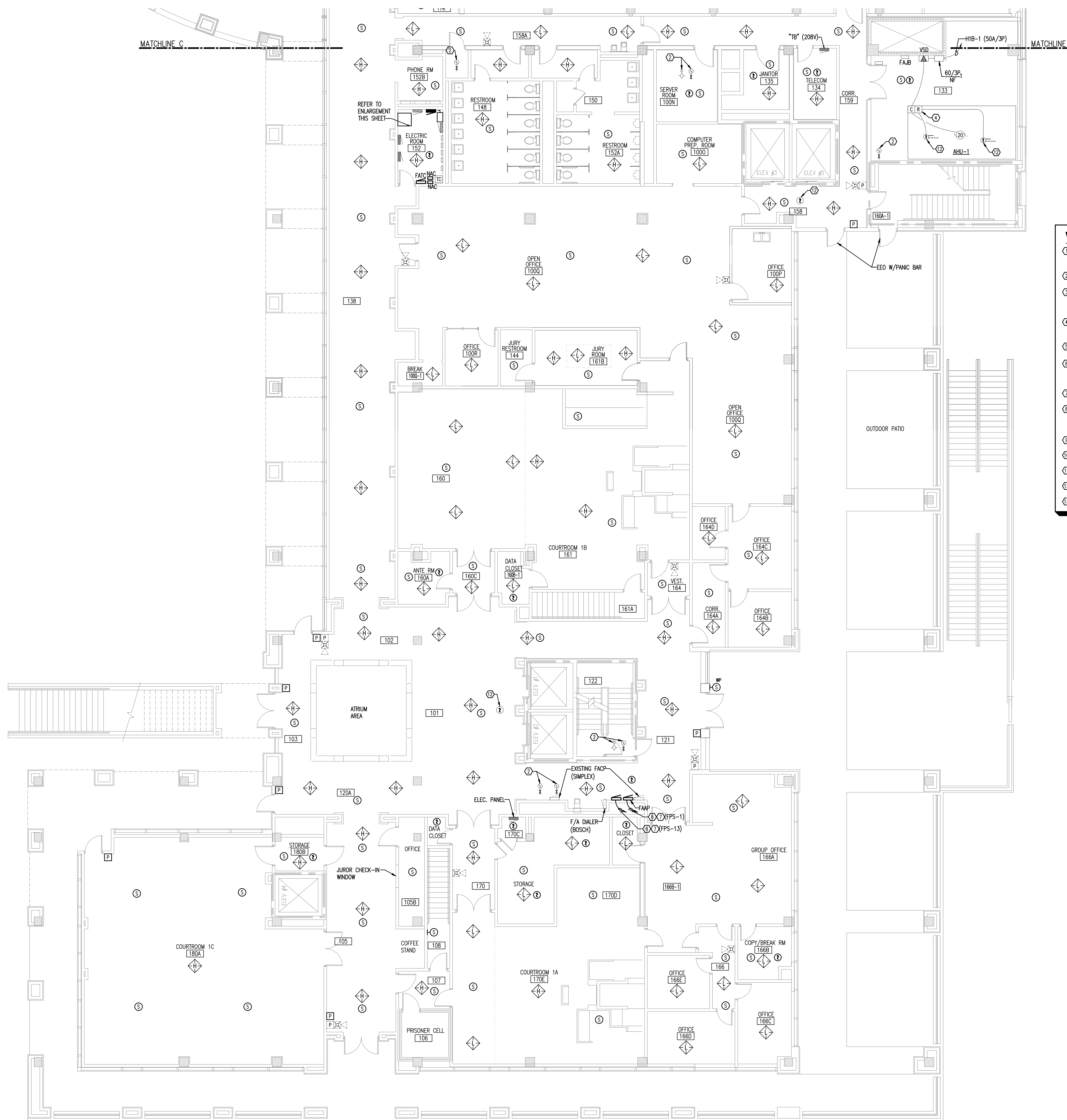
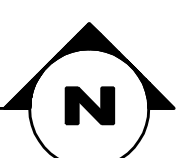
DRAWING TITLE: **PLAZA LEVEL NORTH EXISTING CONDITIONS/NEW WORK FLOOR PLAN**  
 FILE: E1.1N  
 JOB NO.: 212-116  
 DATE: 3/13/2013  
 SCALE: 1=1  
 DRAWN BY: DLG  
 CHECKED BY: RKF  
 SHEET NO.: **E1.1N**

M:\212-116 Leon CTY Of the Admin\E1.1N.dwg, 3/13/2013 3:21:40 PM, Ratched



**ENLARGED ELECTRICAL ROOM**

SCALE: 1/4"=1'-0"



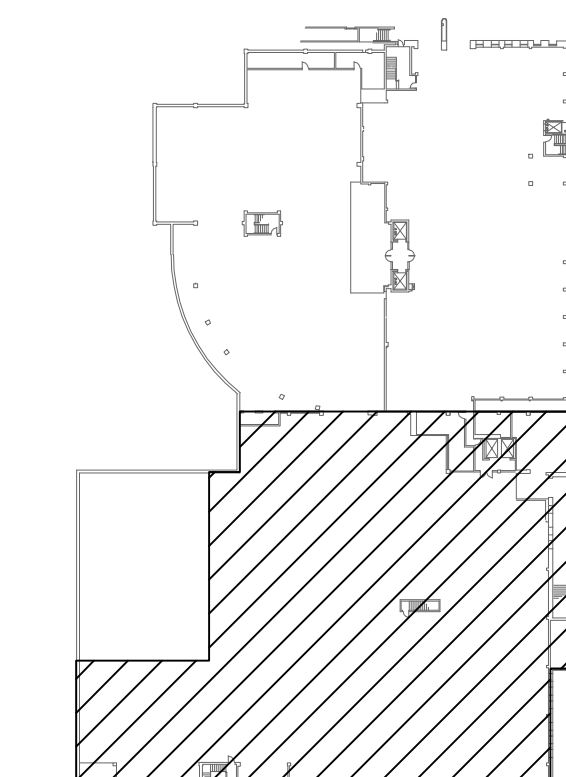
**WALL RATING LEGEND**

---	1 HOUR FIRE RATED PARTITION
---	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

- WORK NOTES:**
- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  - PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  - EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  - PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN FMAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  - PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  - PROVIDE (1) 3" x 1 #10 & 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  - REMOVE EXISTING FAC'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FAMP'S.
  - PROVIDE MANUAL/AUTO CONTROL SWITCH IN BAILEFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  - PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
  - PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  - NO SHUT-DOWN RELAY REQUIRED.

**LINE TYPE LEGEND**

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW TO BE PROVIDED



**KEY PLAN**  
NOT TO SCALE

**PLAZA LEVEL SOUTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

SCALE: 1/8"=1'-0"



SPAL  
**Pinnacle Engineering Group, P.A.**  
 1100 UNIVERSITY BLVD, SUITE 200  
 TALLAHASSEE, FLORIDA 32310  
 TEL: 904.209.1100  
 FAX: 904.209.1101  
 www.pinnacleeng.com

DATE	DESCRIPTION

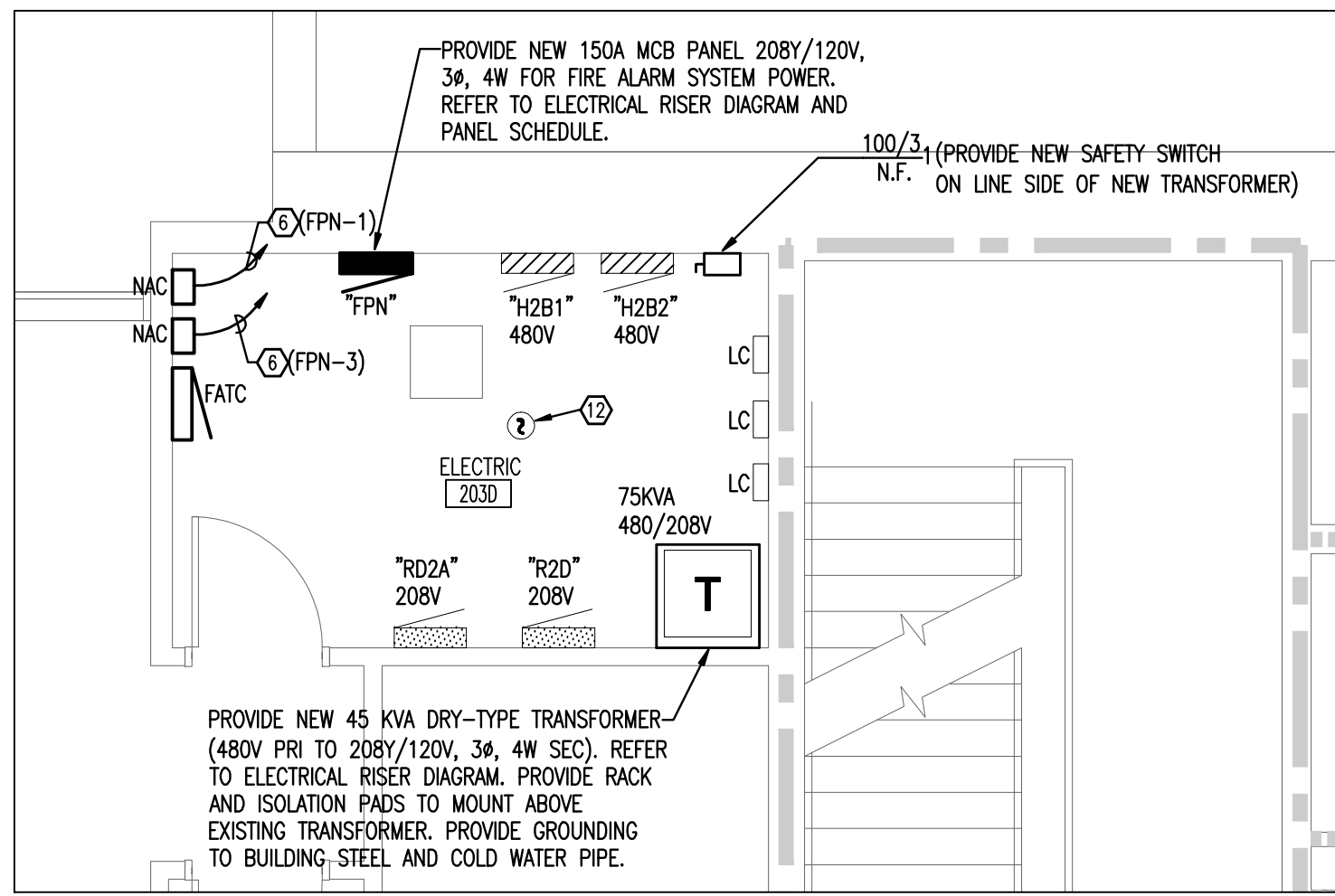
**LEON COUNTY COURTHOUSE  
 NEW FIRE ALARM SYSTEM**  
 LEON COUNTY  
 TALLAHASSEE, FLORIDA

BRAND TITLE:  
**PLAZA LEVEL SOUTH  
 EXISTING CONDITIONS/NEW WORK  
 FLOOR PLAN**

FILE:	E1.1S
JOB NO.:	212-116
DATE:	3/13/2013
SCALE:	1=1
DRAWN BY:	DLG
CHECKED BY:	RKF
SHEET No.:	

**E1.1S**

M:\212-116 Leon Cty Of The Alarm\E1.1.dwg, 3/13/2013 3:22:28 PM, Ruckard



**ENLARGED ELECTRIC ROOM**

SCALE: 1/4"=1'-0"

**WALL RATING LEGEND**

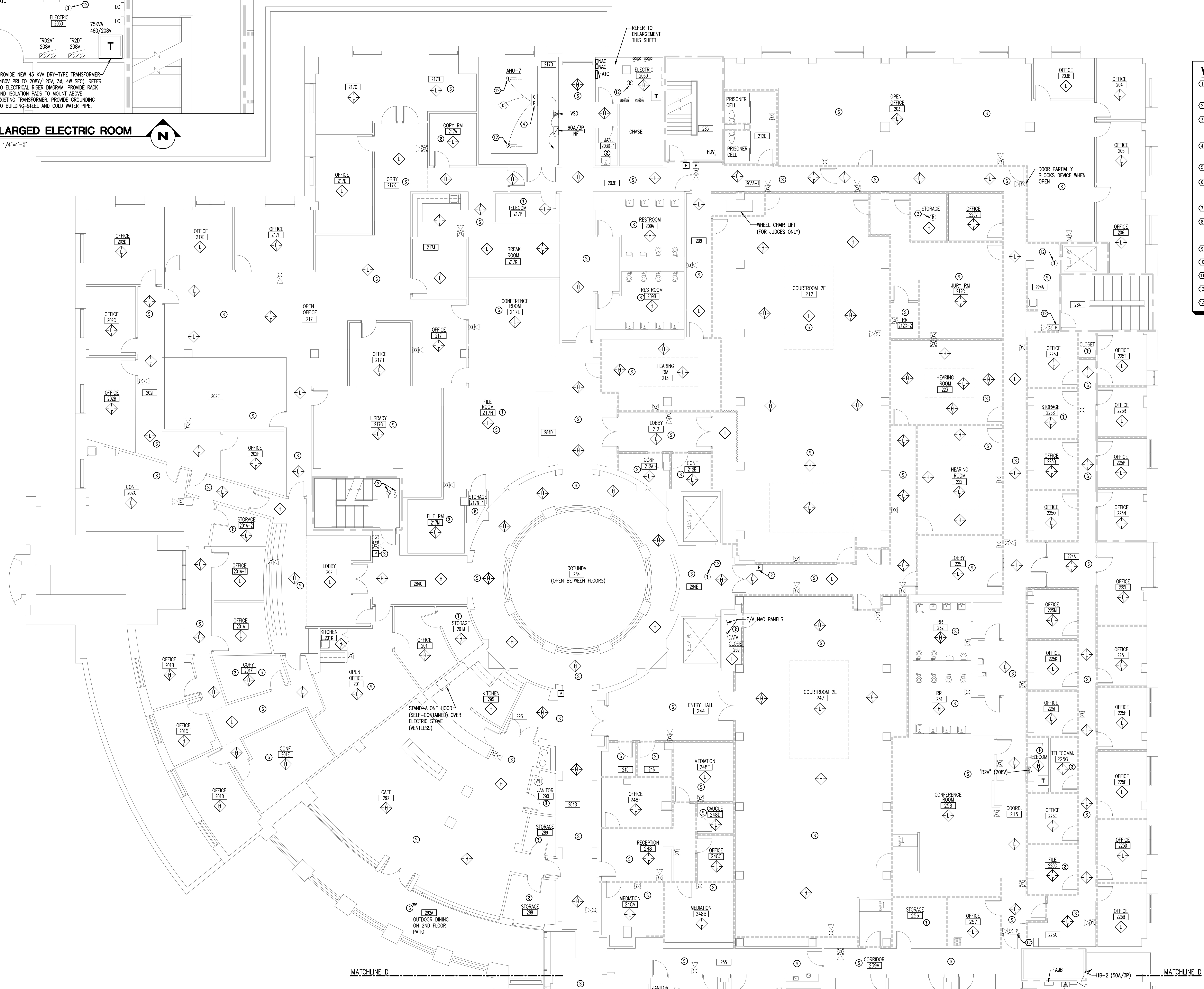
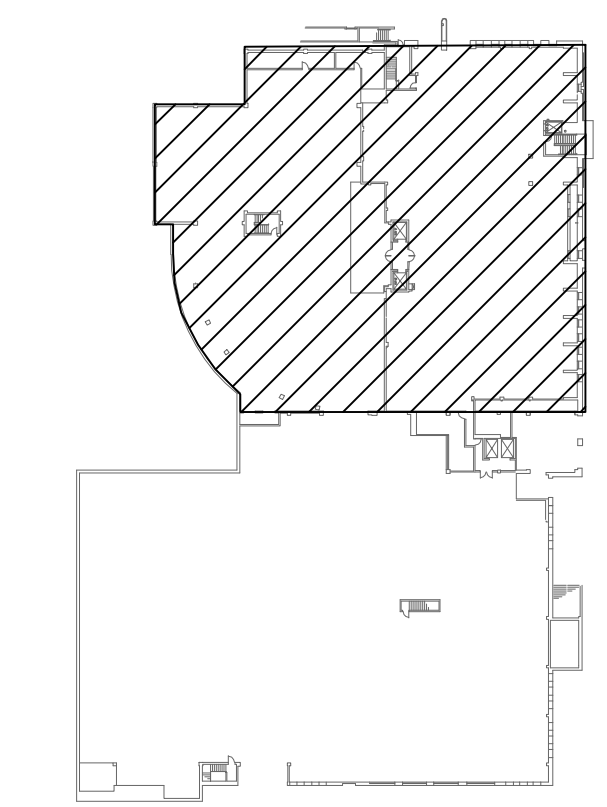
---	1 HOUR FIRE RATED PARTITION
---	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

**WORK NOTES:**

- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
- PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
- EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
- PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
- PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
- PROVIDE (1) 1" x 1/2" #10 & 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
- REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACP'S.
- PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
- PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
- PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
- PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
- REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
- NO SHUT-DOWN RELAY REQUIRED.

**LINE TYPE LEGEND**

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN (LIGHT)
---	NEW TO BE PROVIDED (BOLD)



**SECOND FLOOR NORTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

SCALE: 1/8"=1'-0"

SPAL  
**Pinnacle Engineering Group, P.A.**  
Pinnacle Engineering Group, P.A.  
1111 W. UNIVERSITY BLVD. SUITE 100  
TALLAHASSEE, FLORIDA 32310  
TEL: 904.833.1111  
WWW.PINACPLE.COM

DATE: \_\_\_\_\_  
REV. / DESCRIPTION


**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**  
LEON COUNTY  
TALLAHASSEE, FLORIDA

BRAND TITLE: **SECOND FLOOR NORTH  
EXISTING CONDITIONS/NEW WORK  
FLOOR PLAN**  
FILE: E1.2N  
JOB NO: 212-116  
DATE: 3/13/2013  
SCALE: 1=1  
DRAWN BY: DLG  
CHECKED BY: RKF  
SHEET No:

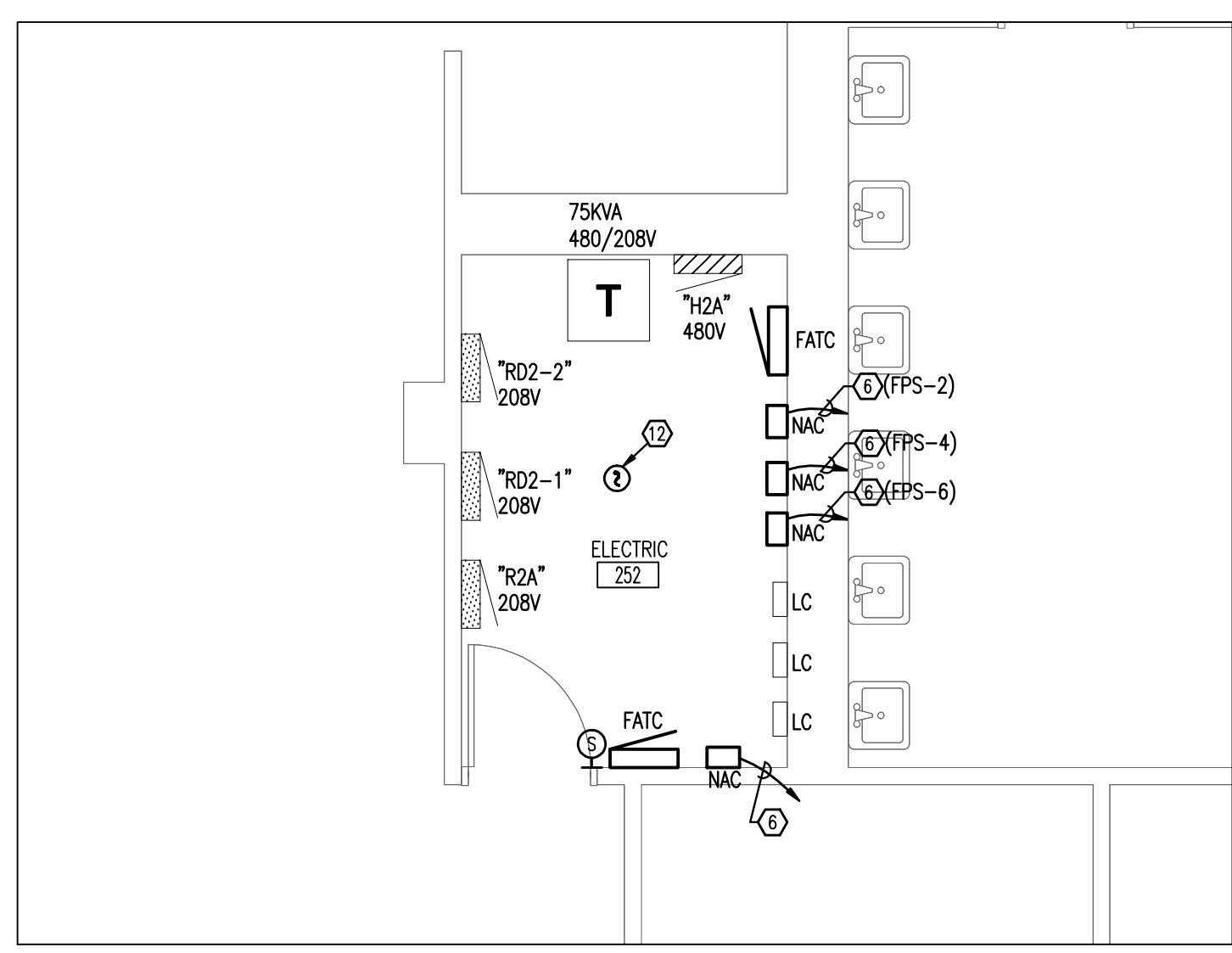
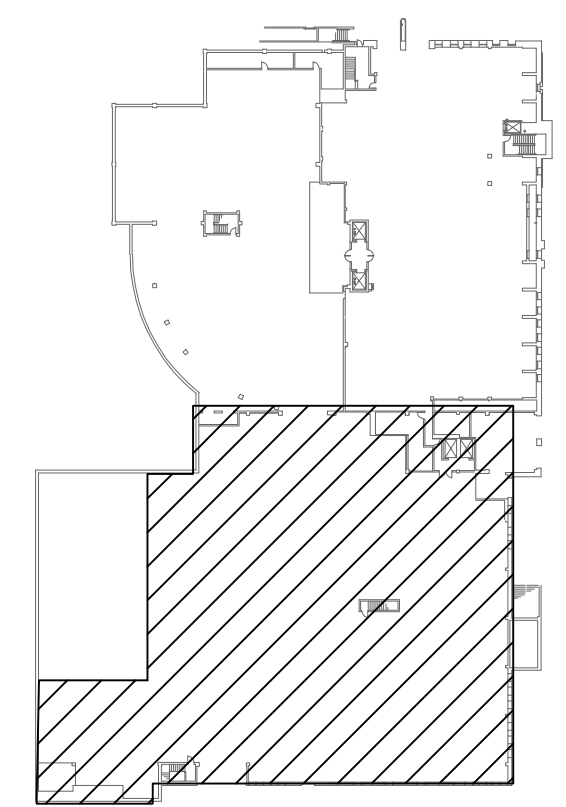
**E1.2N**

M:\212-116 Leon Cty Of the alarm\E1.2.dwg, 3/13/2013 3:26:03 PM, Ratched

WALL RATING LEGEND	
	1 HOUR FIRE RATED PARTITION
	1 HOUR RATED FIRE/SMOKE PARTITION
	2 HOUR FIRE RATED PARTITION
	SMOKE TIGHT CONSTRUCTION

- WORK NOTES:**
- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  - PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  - EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  - PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  - PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  - PROVIDE (1) 1/2" - 1 #10 & 1 #10 M & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  - REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACP'S.
  - PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS, FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  - PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
  - PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS, FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  - PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  - NO SHUT-DOWN RELAY REQUIRED.

LINE TYPE LEGEND	
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN (LIGHT)
	NEW TO BE PROVIDED (BOLD)



**SECOND FLOOR SOUTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**  
SCALE: 1/8"=1'-0"

**Pinnacle Engineering Group, P.A.**  
Pinnacle Engineering Group, P.A.  
1100 UNIVERSITY BOULEVARD, SUITE 200  
TALLAHASSEE, FLORIDA 32310  
TEL: 904.209.1100 FAX: 904.209.1101  
www.pinnacleeng.com

**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**  
LEON COUNTY  
TALLAHASSEE, FLORIDA

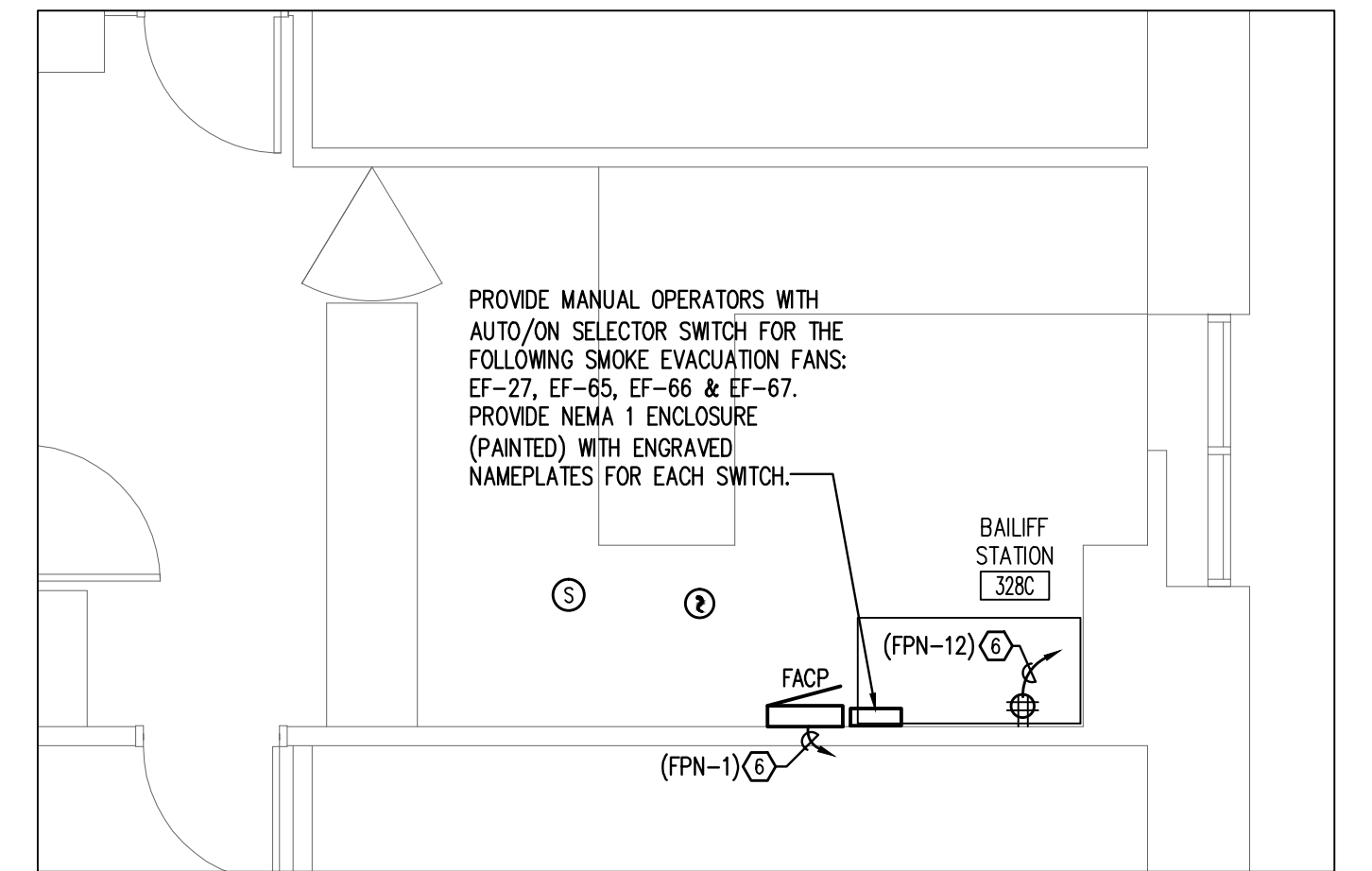
**SECOND FLOOR SOUTH  
EXISTING CONDITIONS/NEW WORK  
FLOOR PLAN**

FILE: E1.2S  
JOB NO: 212-116  
DATE: 3/13/2013  
SCALE: 1=1  
DRAWN BY: DLG  
CHECKED BY: RKF  
SHEET No:

**E1.2S**

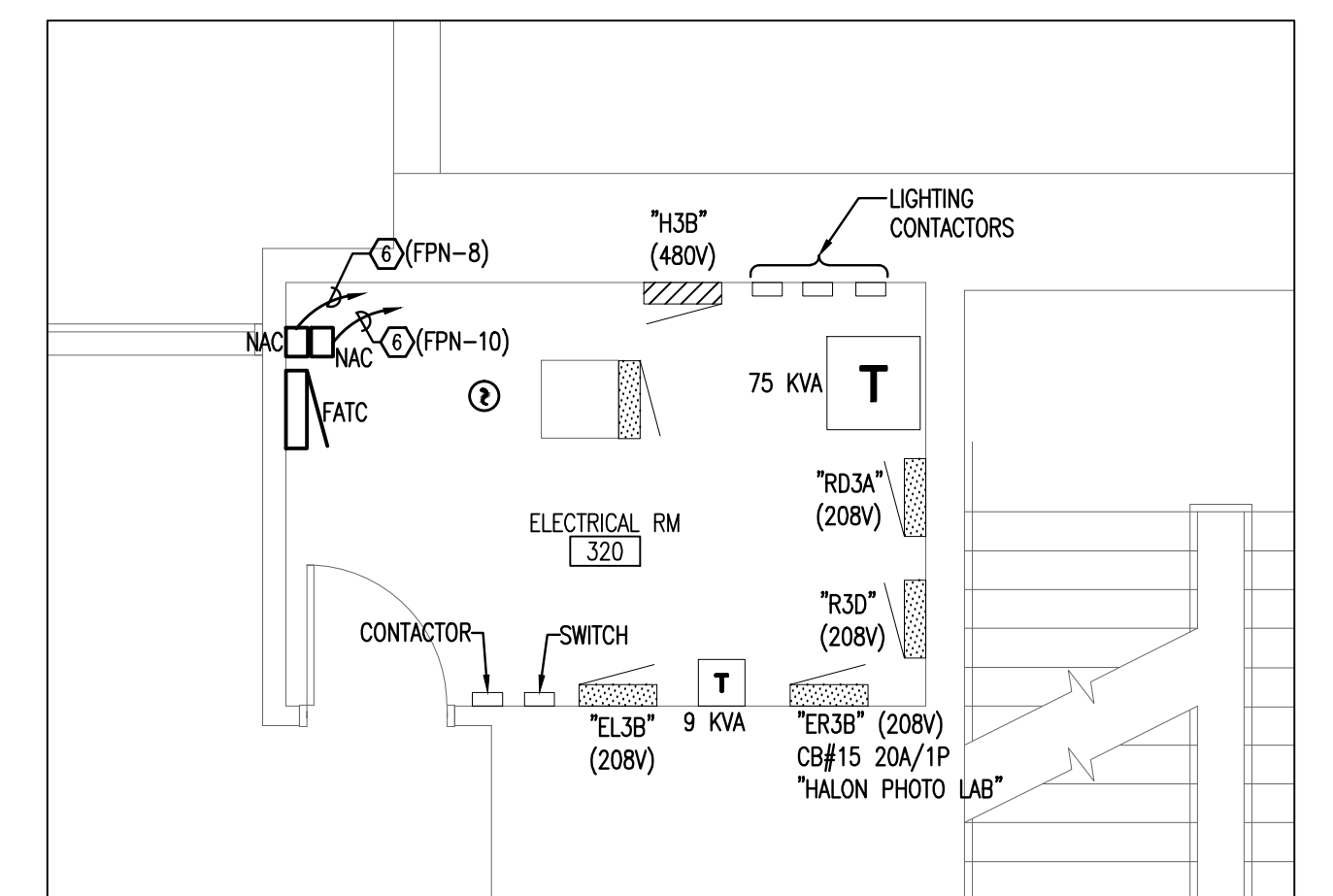
M:\212-116 Leon Cty Of the alarm\E1.2.dwg, 3/13/2013 3:26:30 PM, Ruckard

WALL RATING LEGEND	
	1 HOUR FIRE RATED PARTITION
	1 HOUR RATED FIRE/SMOKE PARTITION
	2 HOUR FIRE RATED PARTITION
	SMOKE TIGHT CONSTRUCTION



**BAILIFF'S MONITORING ROOM**

SCALE: 1/4"=1'-0"



**ENLARGED ELECTRICAL ROOM**

SCALE: 1/4"=1'-0"

**WORK NOTES:**

- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DUALS) THIS EQUIPMENT.
- PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
- EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
- PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
- PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4'-FEET FROM THE SUPPLY AIR VENT.
- PROVIDE (1) 1/2" #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
- REMOVE EXISTING FAC'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FAC'S.
- PROVIDE MANUAL/AUTO CONTROL SWITCH IN BAILIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
- PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
- PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
- PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
- REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
- NO SHUT-DOWN RELAY REQUIRED.

LINE TYPE LEGEND	
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN (LIGHT)
	NEW TO BE PROVIDED (BOLD)

**THIRD FLOOR NORTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

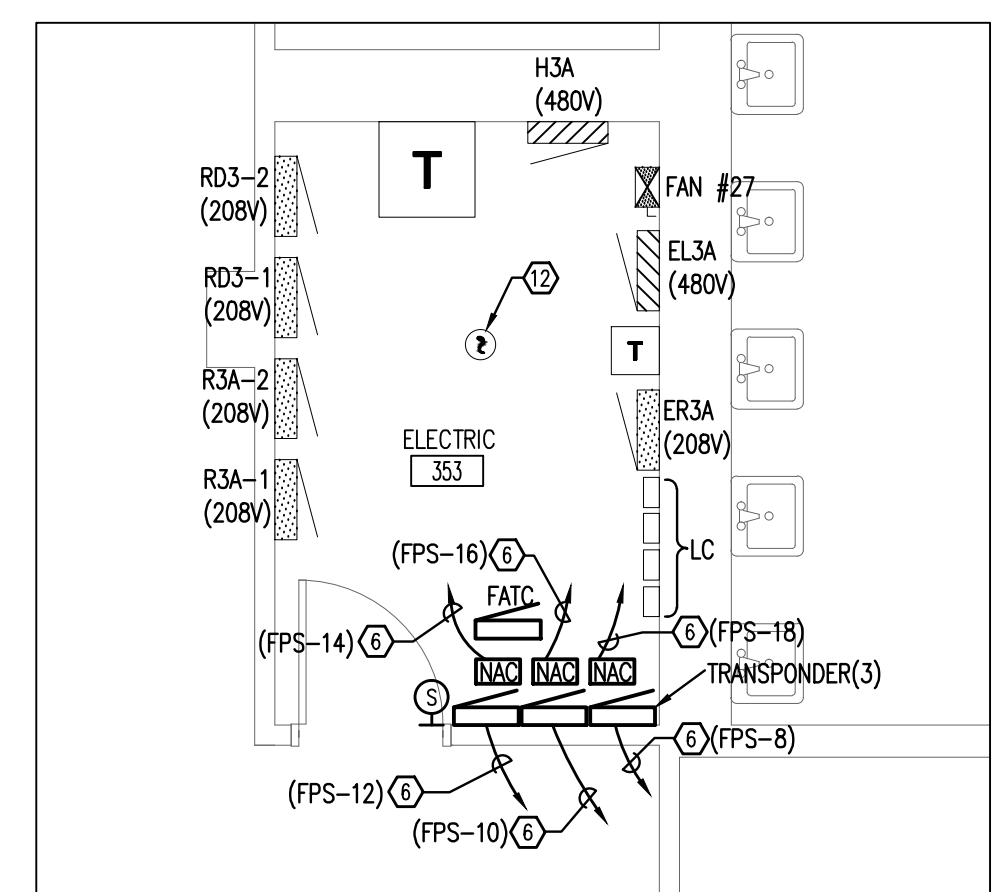
SCALE: 1/8"=1'-0"

**KEY PLAN**

NOT TO SCALE

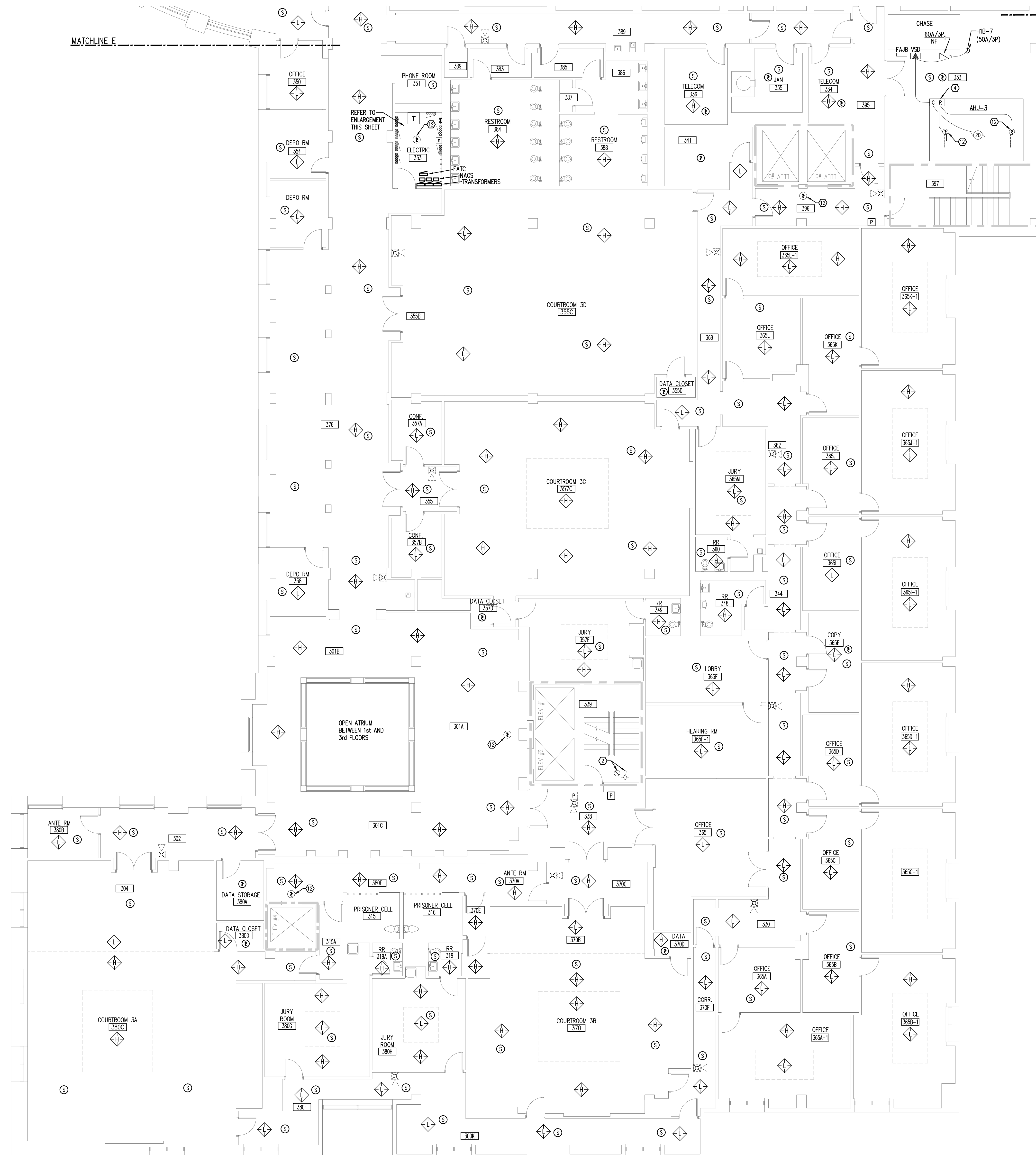
WALL RATING LEGEND	
---	1 HOUR FIRE RATED PARTITION
---	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

MATCHLINE E



**ENLARGED ELECTRICAL ROOM**

SCALE: 1/4"=1'-0"

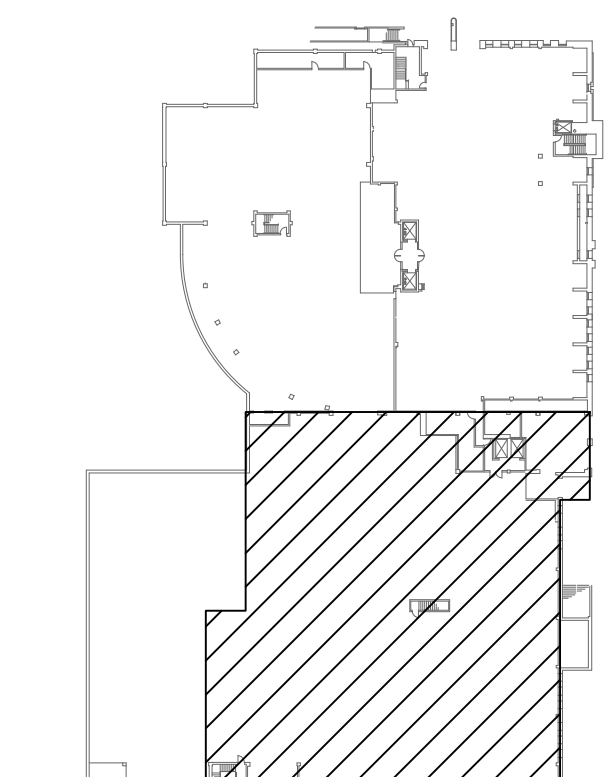


**WORK NOTES:**

1. PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT ON NEW FIRE ALARM SYSTEM.
2. PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
3. EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
4. PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
5. PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4'-FEET FROM THE SUPPLY AIR VENT.
6. PROVIDE (1) 2" C-1 #10 & 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
7. REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACP'S.
8. PROVIDE MANUAL/AUTO CONTROL SWITCH IN BULKHEADS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
9. PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
10. PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
11. PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
12. REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
13. NO SHUT-DOWN RELAY REQUIRED.

**LINE TYPE LEGEND**

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN (LIGHT)
---	NEW TO BE PROVIDED (BOLD)



**KEY PLAN**  
NOT TO SCALE

**THIRD FLOOR SOUTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

SCALE: 1/8"=1'-0"

**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**  
LEON COUNTY  
TALLAHASSEE, FLORIDA

**THIRD FLOOR SOUTH  
EXISTING CONDITIONS/NEW WORK  
FLOOR PLAN**

DRAWING NO.: E1.3S  
JOB NO.: 212-116  
DATE: 3/13/2013  
SCALE: 1"=1'  
DRAWN BY: DLG  
CHECKED BY: RKF  
SHEET No.:

**E1.3S**

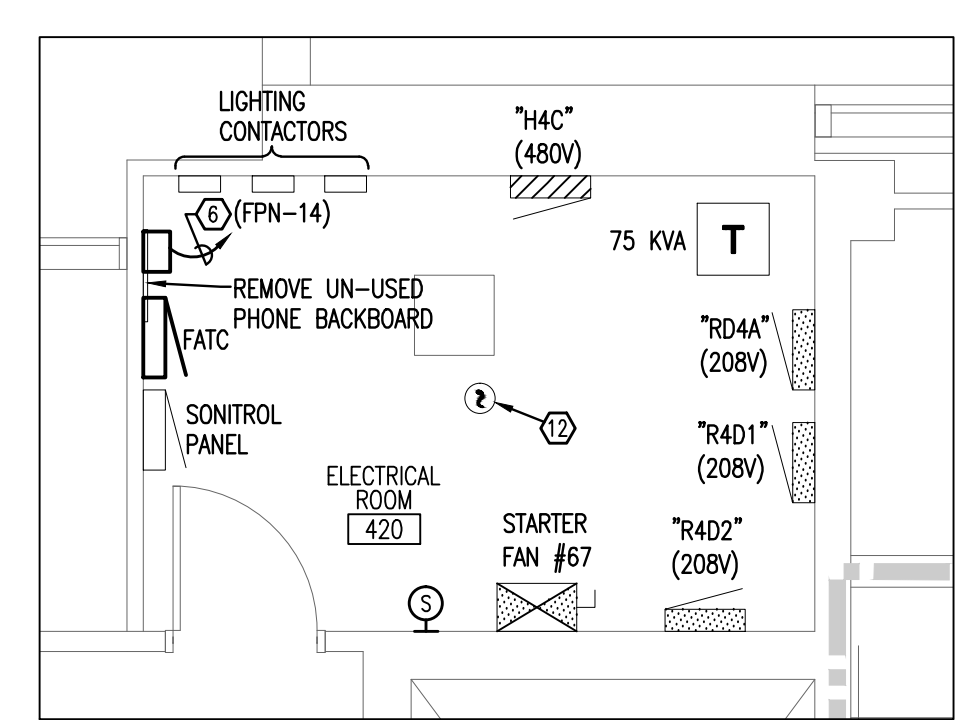
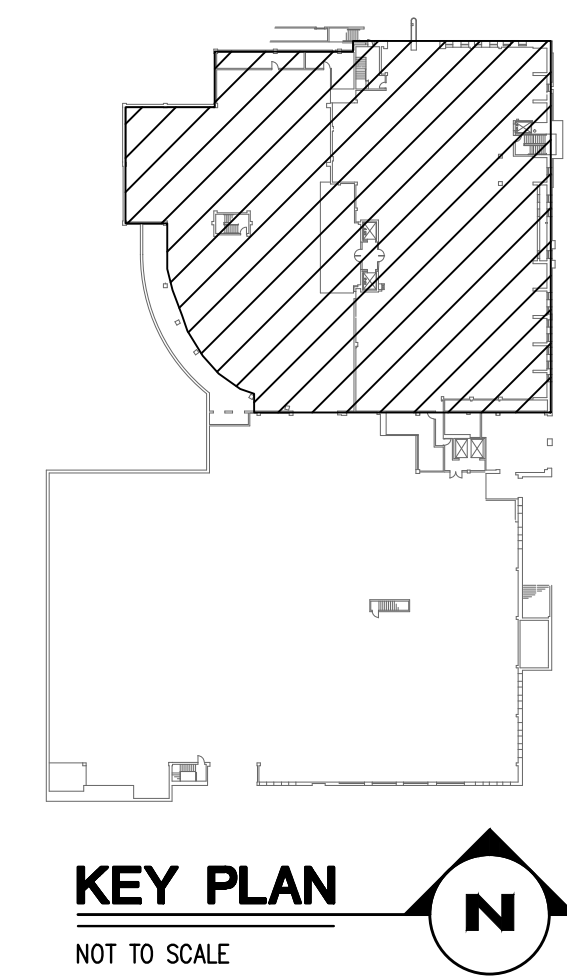
**Pinnacle Engineering Group, P.A.**  
3333 THOMASVILLE ROAD, SUITE 102  
TALLAHASSEE, FLORIDA 32309  
OFFICE: (850) 422-7783 FAX: (850) 422-1002  
Engineering Business #9733



WALL RATING LEGEND	
---	1 HOUR FIRE RATED PARTITION
---	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION

- WORK NOTES:**
- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  - PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  - EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  - PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  - PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  - PROVIDE (1) 2" - 1 #10 & 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  - REMOVE EXISTING FAC'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FAC'S.
  - PROVIDE MANUAL/AUTO CONTROL SWITCH IN BULF'S MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  - PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
  - PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  - NO SHUT-DOWN RELAY REQUIRED.

LINE TYPE LEGEND	
---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN (LIGHT)
---	NEW TO BE PROVIDED (BOLD)



ENLARGED ELECTRICAL ROOM  
SCALE: 1/4"=1'-0"

FOURTH FLOOR NORTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN  
SCALE: 1/8"=1'-0"

Pinnacle Engineering Group, P.A.  
3333 THOMASVILLE ROAD, SUITE 102  
TALLAHASSEE, FLORIDA 32309  
OFFICE: (850) 432-7383 FAX: (850) 432-5002  
Engineering Business #9753

DATE	REVISION / DESCRIPTION

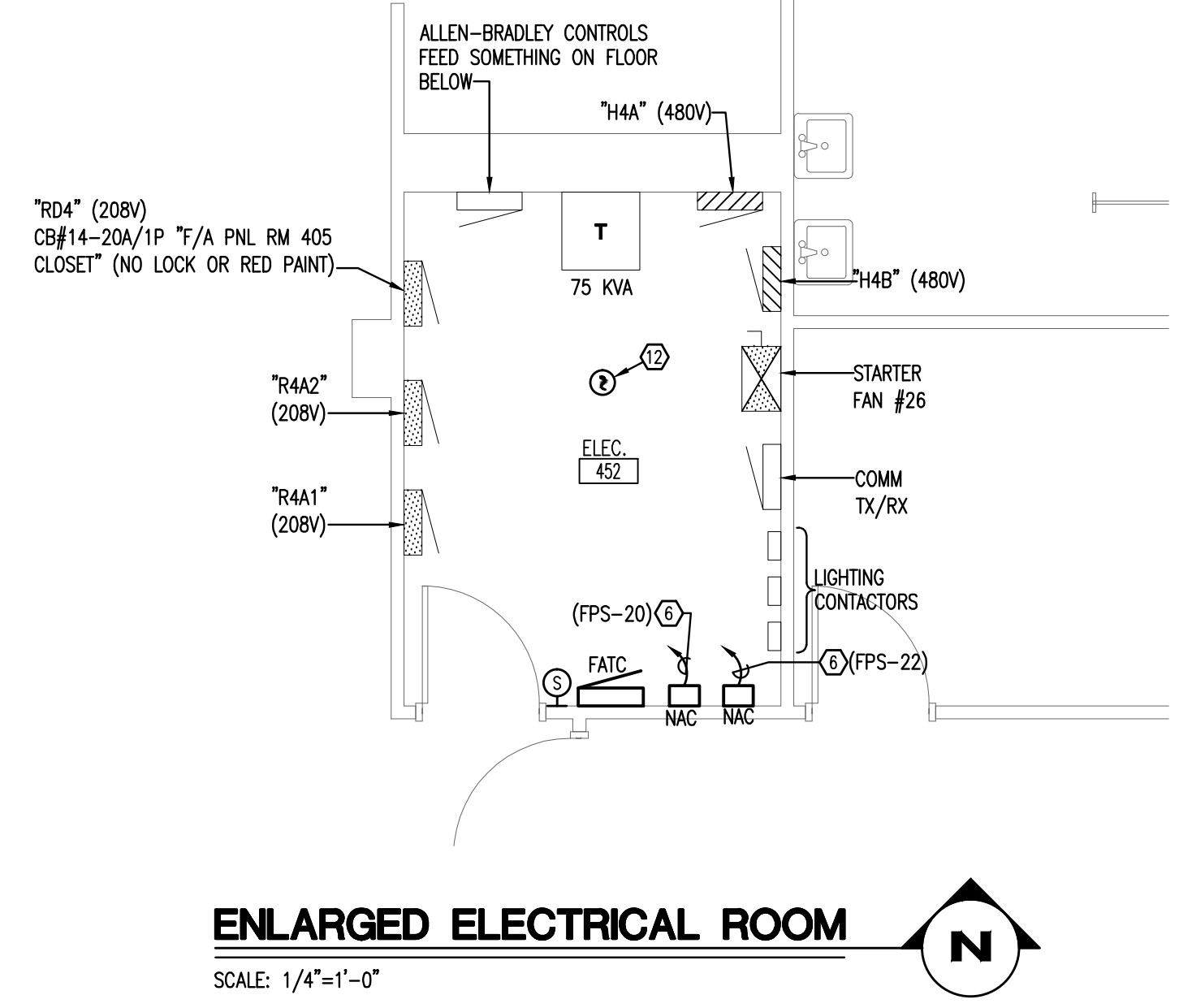
LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM  
LEON COUNTY  
TALLAHASSEE, FLORIDA

DRAWING TITLE:  
FOURTH FLOOR NORTH  
EXISTING CONDITIONS/NEW WORK  
FLOOR PLAN

FILE NO.:	E1.4N
JOB NO.:	212-116
DATE:	3/13/2013
SCALE:	1"=1'
DRAWN BY:	DLG
CHECKED BY:	RKF
SHEET No.:	

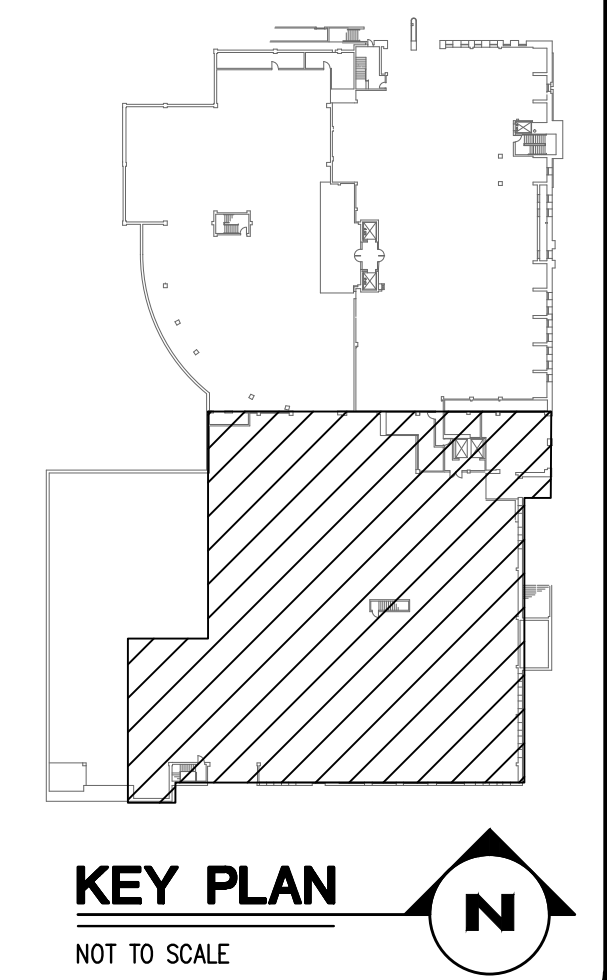
E1.4N

WALL RATING LEGEND	
	1 HOUR FIRE RATED PARTITION
	1 HOUR RATED FIRE/SMOKE PARTITION
	2 HOUR FIRE RATED PARTITION
	SMOKE TIGHT CONSTRUCTION



- WORK NOTES:**
- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  - PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  - EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  - PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  - PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  - PROVIDE (1) 3/4" C-1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  - REMOVE EXISTING FACPS AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACPS.
  - PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALUITS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  - PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
  - PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL, AND POWER LOSS.
  - PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  - REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  - NO SHUT-DOWN RELAY REQUIRED.

LINE TYPE LEGEND	
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN (LIGHT)
	NEW TO BE PROVIDED (BOLD)



**FOURTH FLOOR SOUTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**  
SCALE: 1/8"=1'-0"

**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**  
LEON COUNTY  
TALLAHASSEE, FLORIDA

---

**FOURTH FLOOR SOUTH  
EXISTING CONDITIONS/NEW WORK  
FLOOR PLAN**

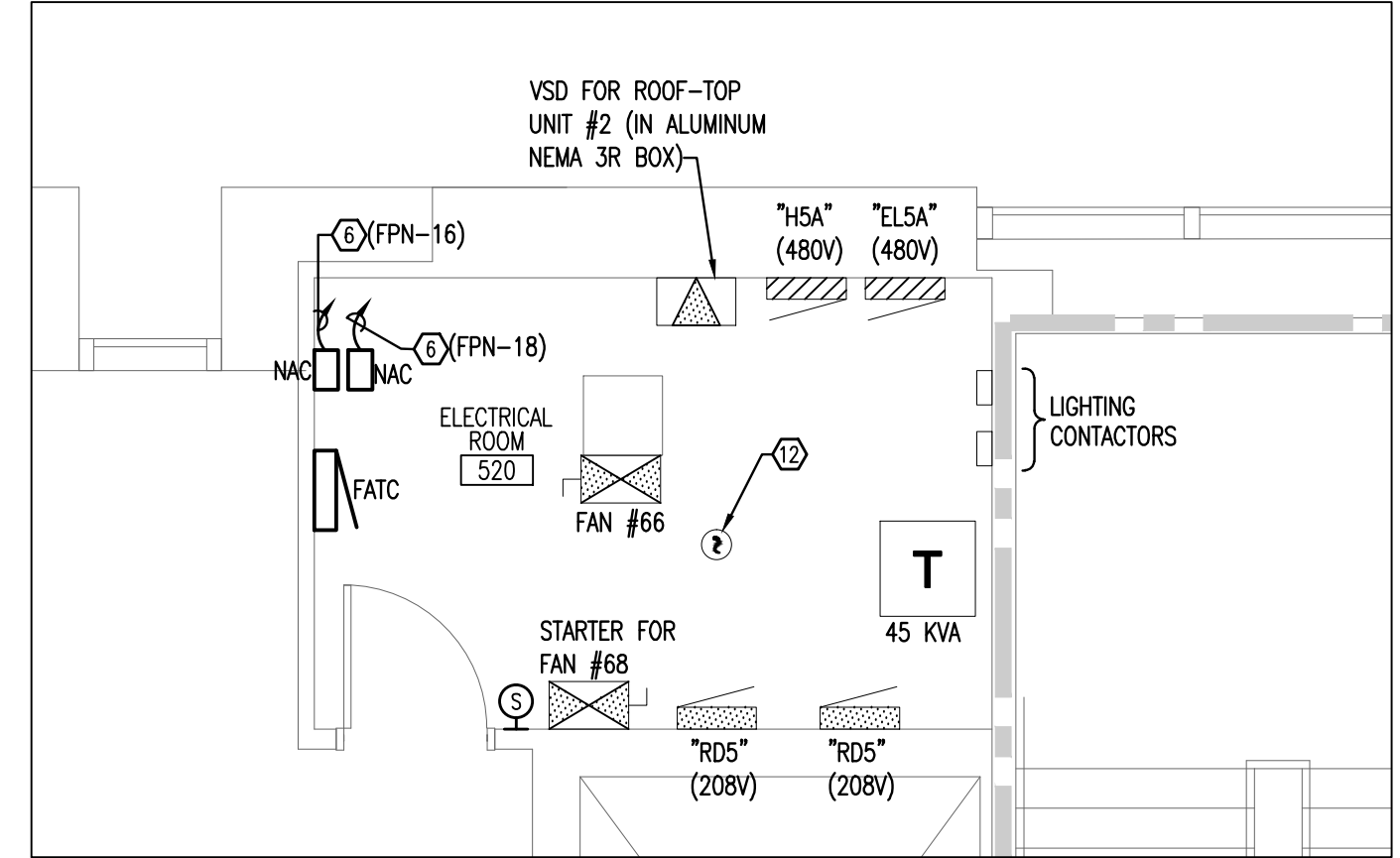
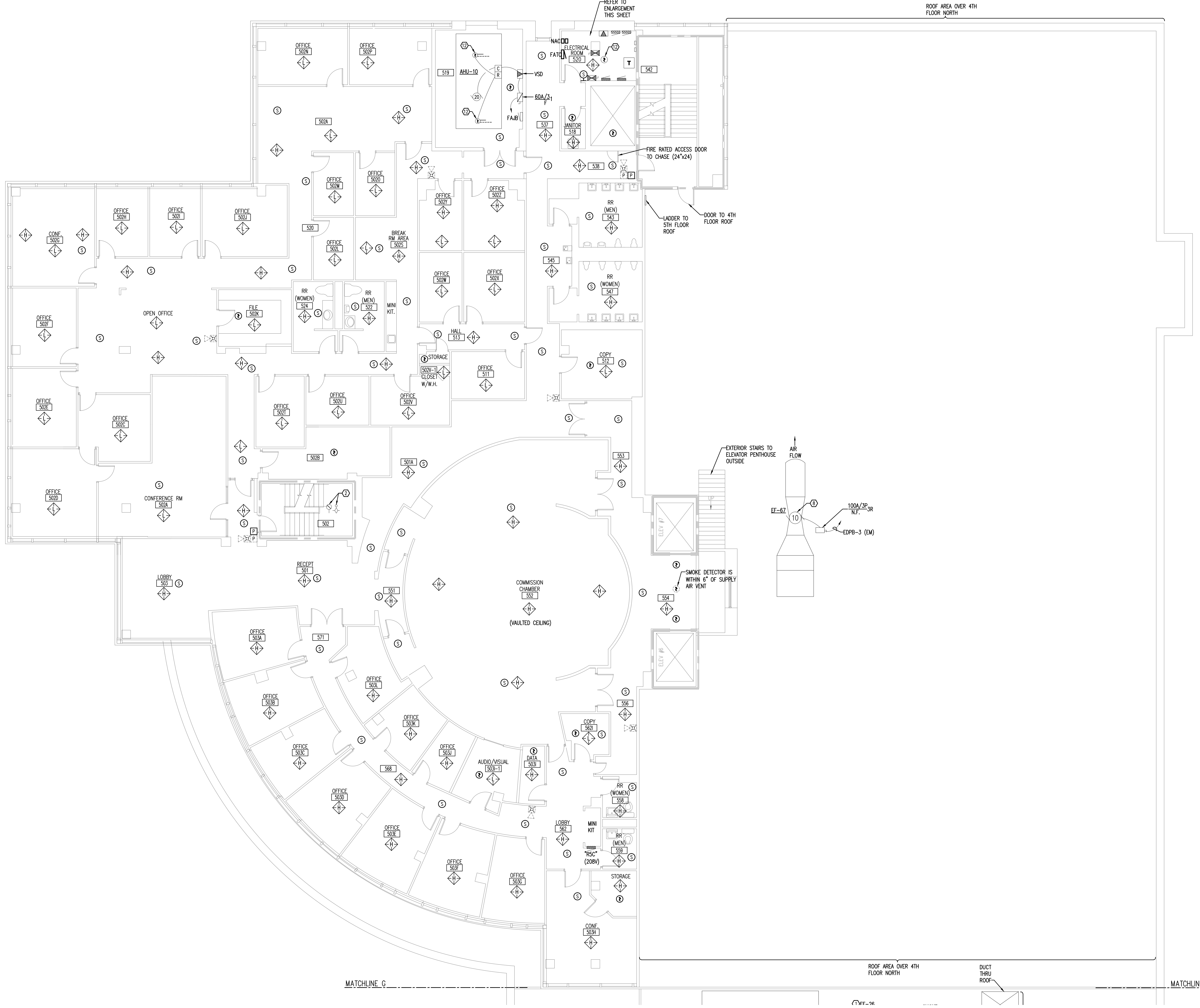
DATE	
REV	DESCRIPTION

DRAWING TITLE:	E1.4S
JOB NO.:	212-116
DATE:	3/13/2013
SCALE:	1=1
DRAWN BY:	DLG
CHECKED BY:	RKF
SHEET NO.:	

**E1.4S**

**Pinnacle Engineering Group, P.A.**  
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 Engineering Business #9753

WALL RATING LEGEND	
-----	1 HOUR FIRE RATED PARTITION
-----	1 HOUR RATED FIRE/SMOKE PARTITION
-----	2 HOUR FIRE RATED PARTITION
-----	SMOKE TIGHT CONSTRUCTION

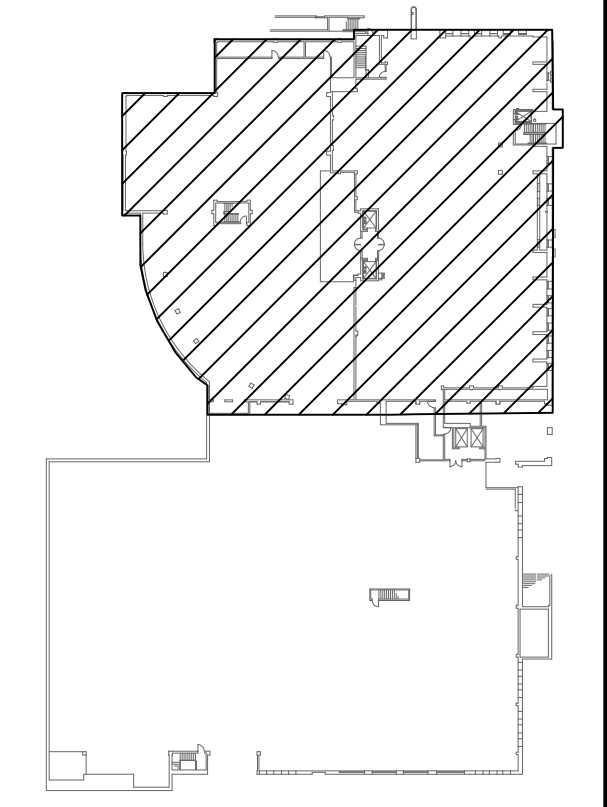


**ENLARGED ELECTRICAL ROOM**

SCALE: 1/4"=1'-0"

- WORK NOTES:**
1. PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  2. PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  3. EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  4. PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  5. PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  6. PROVIDE (1) 20-1 #10 & 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  7. REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FACP'S.
  8. PROVIDE MANUAL/AUTO CONTROL SWITCH IN BAUFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
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  11. PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  12. REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  13. NO SHUT-DOWN RELAY REQUIRED.

LINE TYPE LEGEND	
---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN (LIGHT)
---	NEW TO BE PROVIDED (BOLD)



**KEY PLAN**  
NOT TO SCALE

**FIFTH FLOOR ROOF NORTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

SCALE: 1/8"=1'-0"

DATE: \_\_\_\_\_

REV# / DESCRIPTION


**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**

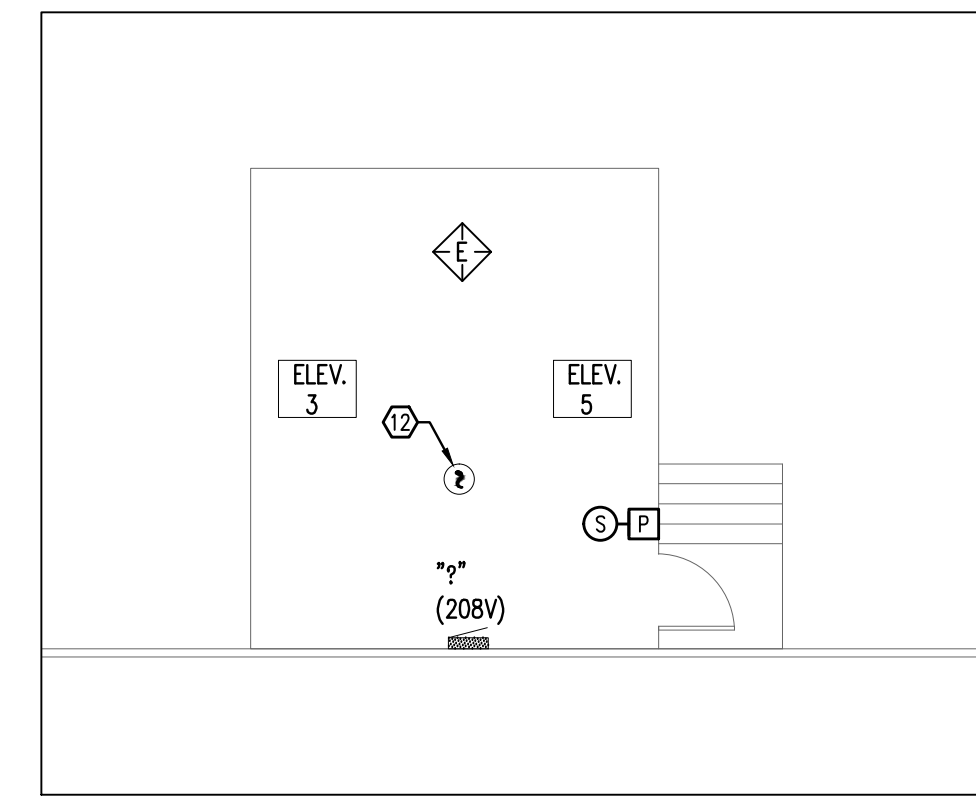
LEON COUNTY  
TALLAHASSEE, FLORIDA

DRAWING TITLE: **FIFTH FLOOR NORTH EXISTING CONDITIONS/NEW WORK FLOOR PLAN**

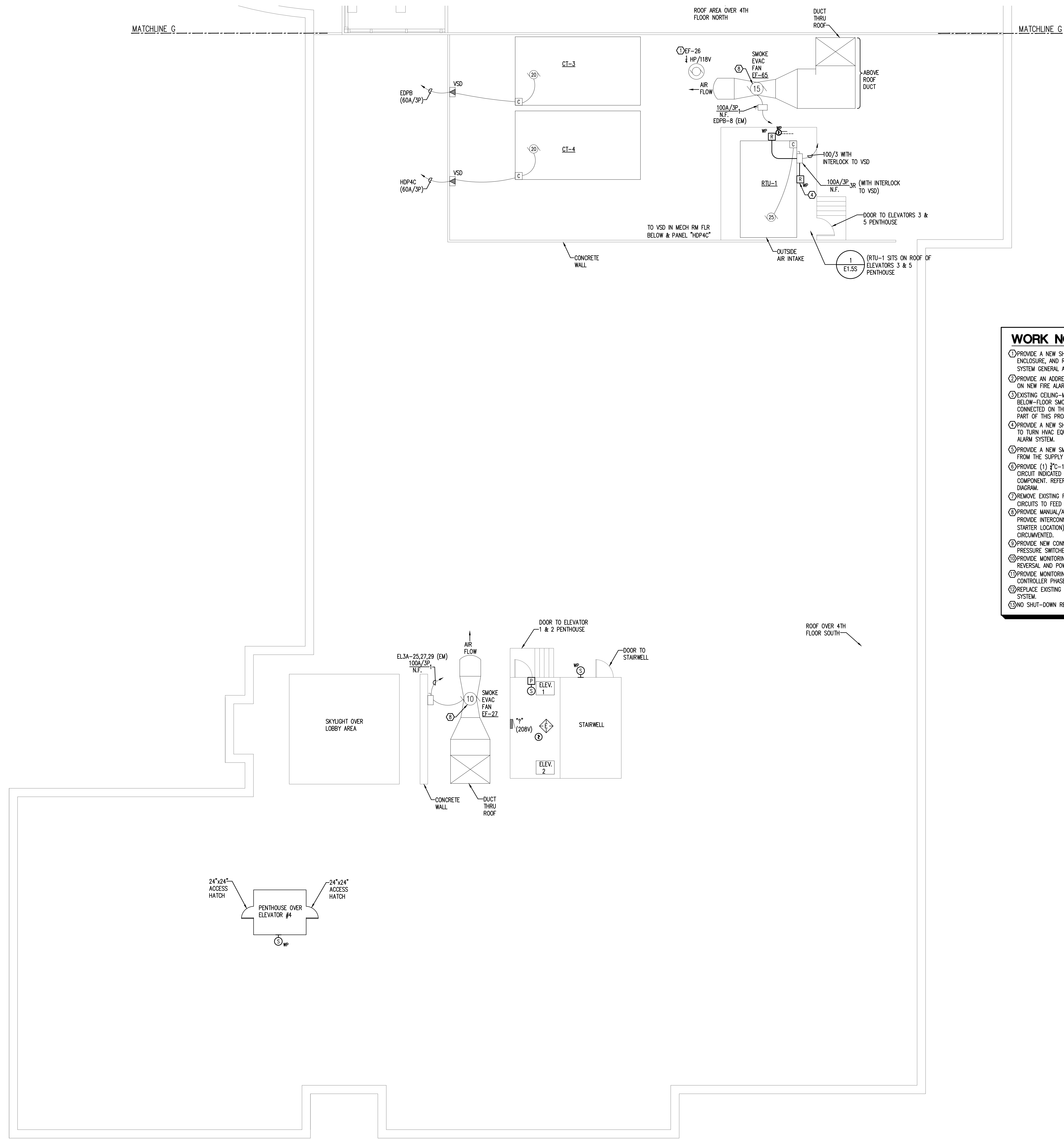
FILE NO.: E1.5N  
JOB NO.: 212-116  
DATE: 3/13/2013  
SCALE: 1"=1'  
DRAWN BY: DLG  
CHECKED BY: RKF  
SHEET NO.: **E1.5N**

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OFFICE: (850) 432-7193  
FAX: (850) 432-1002  
Engineering Business #9733

WALL RATING LEGEND	
---	1 HOUR FIRE RATED PARTITION
- - - -	1 HOUR RATED FIRE/SMOKE PARTITION
---	2 HOUR FIRE RATED PARTITION
---	SMOKE TIGHT CONSTRUCTION



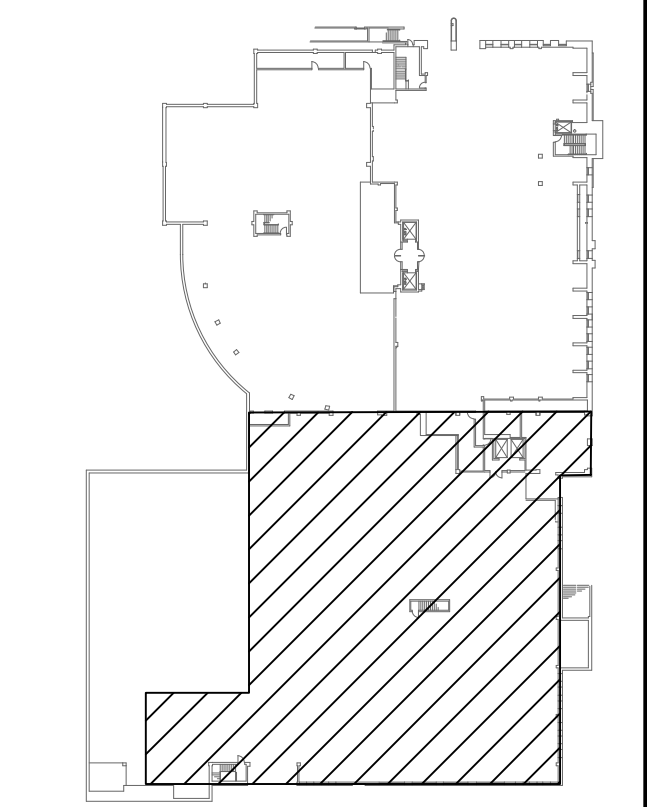
1 ELEVATOR 3 & 5  
SCALE: 1/8"=1'-0"



**WORK NOTES:**

- PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
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- REMOVE EXISTING FACP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FAAP'S.
- PROVIDE MANUAL/AUTO CONTROL SWITCH IN BALIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
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LINE TYPE LEGEND	
---	EXISTING TO BE REMOVED
- - - -	EXISTING TO REMAIN (LIGHT)
---	NEW TO BE PROVIDED (BOLD)



KEY PLAN  
NOT TO SCALE

FIFTH FLOOR ROOF SOUTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN  
SCALE: 1/8"=1'-0"

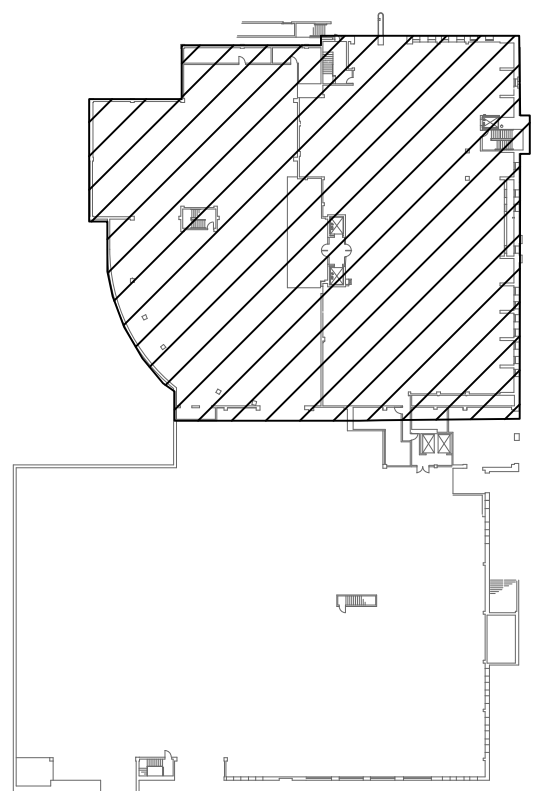
DATE	
REV	
<b>LEON COUNTY COURTHOUSE NEW FIRE ALARM SYSTEM</b> LEON COUNTY TALLAHASSEE, FLORIDA	
<b>FIFTH FLOOR ROOF SOUTH EXISTING CONDITIONS/NEW WORK FLOOR PLAN</b>	
FILE:	E1.5S
JOB NO.:	212-116
DATE:	3/13/2013
SCALE:	1=1
DRAWN BY:	DLG
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SHEET No.:	E1.5S

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 3333 THOMASVILLE ROAD, SUITE 102  
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 Engineering Business #9753

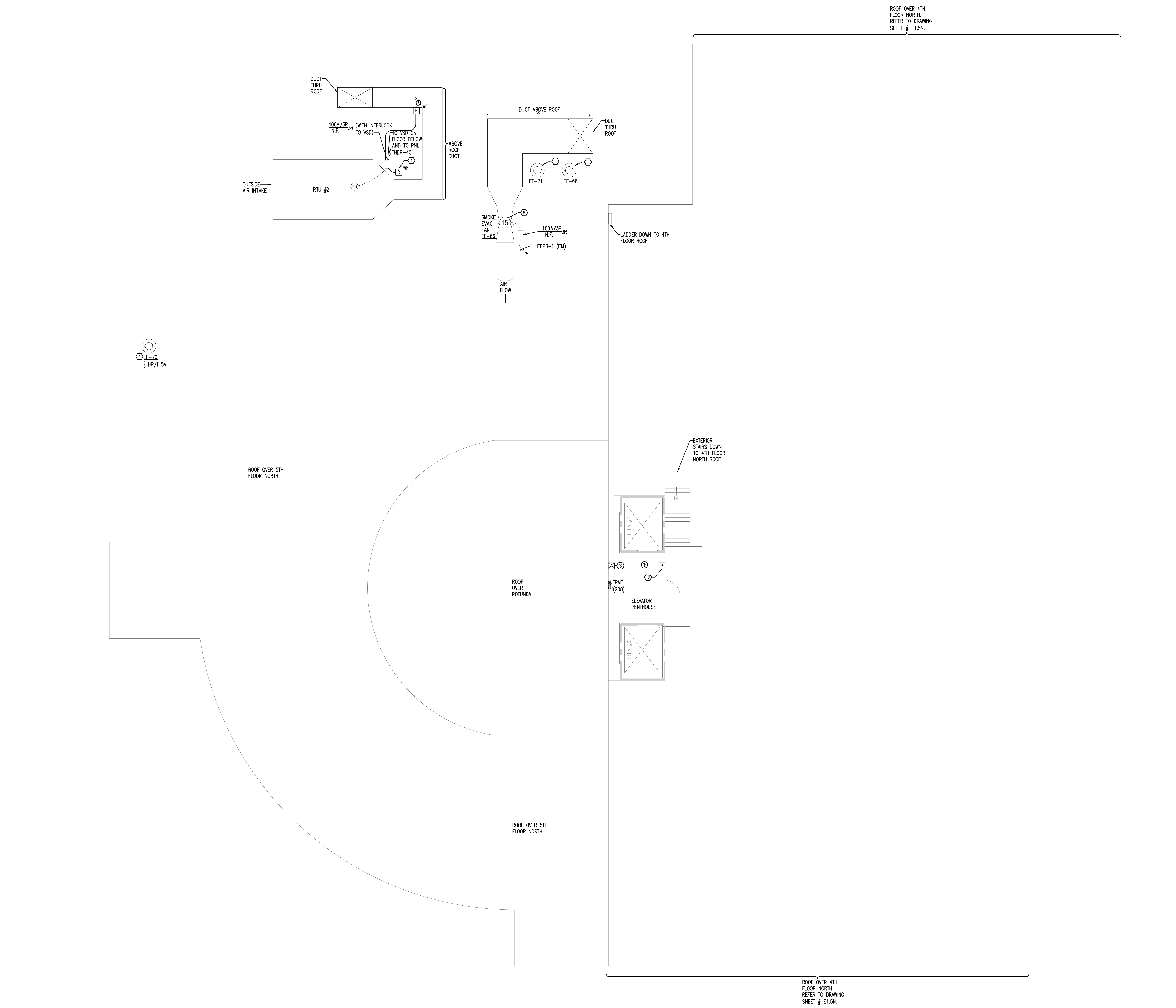
WALL RATING LEGEND	
-----	1 HOUR FIRE RATED PARTITION
-----	1 HOUR RATED FIRE/SMOKE PARTITION
-----	2 HOUR FIRE RATED PARTITION
-----	SMOKE TIGHT CONSTRUCTION

- WORK NOTES:**
1. PROVIDE A NEW SHUT-DOWN RELAY AND ALL WIRING, CONDUIT, ENCLOSURE, AND RELATED IN THE CONTROLLER FOR THE FIRE ALARM SYSTEM GENERAL ALARM TO SHUT-DOWN (DISABLE) THIS EQUIPMENT.
  2. PROVIDE AN ADDRESSABLE MODULE FOR EXISTING DEVICE TO FUNCTION ON NEW FIRE ALARM SYSTEM.
  3. EXISTING CEILING-MOUNTED SMOKE DETECTORS AND CORRESPONDING BELOW-FLOOR SMOKE DETECTORS IN THE MAIN COMPUTER ROOM ARE CONNECTED ON THE LOAD-SIDE OF THE HALON SYSTEM AND ARE NOT PART OF THIS PROJECT.
  4. PROVIDE A NEW SHUT-DOWN RELAY AND RELATED WIRING AS REQUIRED TO TURN HVAC EQUIPMENT OFF UPON A GENERAL ALARM OF THE FIRE ALARM SYSTEM.
  5. PROVIDE A NEW SMOKE DETECTOR LOCATED A MINIMUM OF 4- FEET FROM THE SUPPLY AIR VENT.
  6. PROVIDE (1) 2"Ø-1 #10 A, 1 #10 N & 1 #10 G TO PANEL AND CIRCUIT INDICATED FOR SERVICE TO NEW FIRE ALARM SYSTEM COMPONENT. REFER TO PANEL SCHEDULE AND ELECTRICAL RISER DIAGRAM.
  7. REMOVE EXISTING FAAP'S AND PROVIDE NEW EMERGENCY POWER CIRCUITS TO FEED NEW FAAP'S.
  8. PROVIDE MANUAL/AUTO CONTROL SWITCH IN BAULIFFS MONITORING ROOM. PROVIDE INTERCONNECTION CONDUITS/CONDUCTORS. (FIELD VERIFY STARTER LOCATION) EXISTING FAN OPERATION SHALL NOT BE CIRCUMVENTED.
  9. PROVIDE NEW CONNECTIONS TO EXISTING DRY PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.
  10. PROVIDE MONITORING OF FIRE PUMP CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  11. PROVIDE MONITORING OF FIRE SPRINKLER SYSTEM COMPRESSORS CONTROLLER PHASE LOSS, PHASE REVERSAL AND POWER LOSS.
  12. REPLACE EXISTING DEVICE WITH NEW COMPATIBLE WITH NEW FIRE ALARM SYSTEM.
  13. NO SHUT-DOWN RELAY REQUIRED.

LINE TYPE LEGEND	
---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN (LIGHT)
---	NEW TO BE PROVIDED (BOLD)

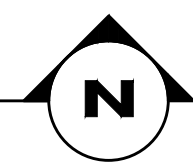


**KEY PLAN**  
NOT TO SCALE



**ROOF NORTH - EXISTING CONDITIONS/NEW WORK - FLOOR PLAN**

SCALE: 1/8"=1'-0"



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TALLAHASSEE, FLORIDA 32309  
OFFICE: (850) 432-7193  
FAX: (850) 432-8002  
Engineering Business #9793

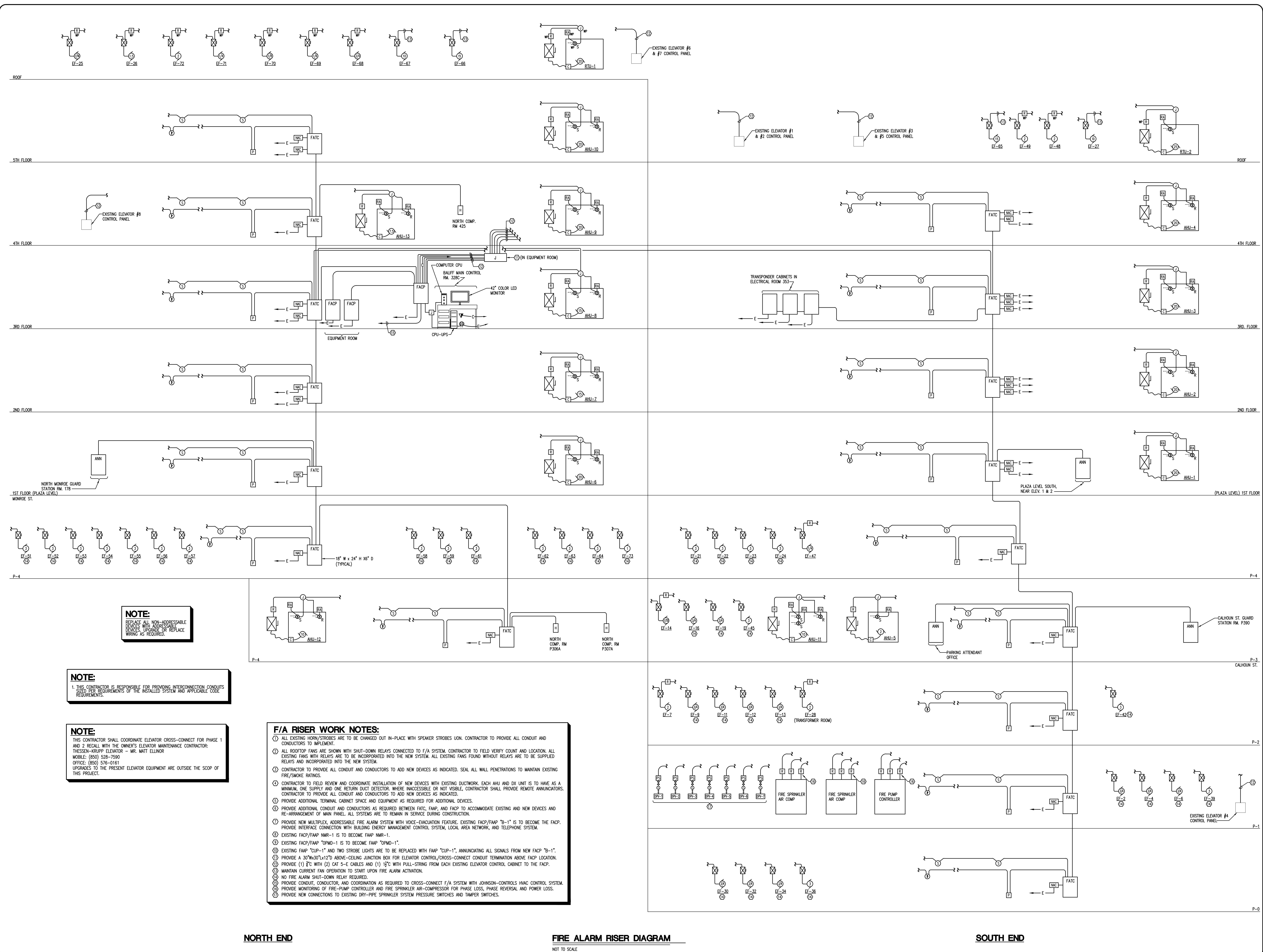
REV.	DESCRIPTION	DATE

**LEON COUNTY COURTHOUSE  
NEW FIRE ALARM SYSTEM**  
LEON COUNTY  
TALLAHASSEE, FLORIDA

**ROOF NORTH  
EXISTING CONDITIONS/NEW WORK  
FLOOR PLAN**

FILE:	E1.6N
JOB NO.:	212-116
DATE:	3/13/2013
SCALE:	1"=1'
DRAWN BY:	DLG
CHECKED BY:	RKF
SHEET No.:	

**E1.6N**



**NOTE:**  
 REPLACE ALL NON-ADDRESSABLE DEVICES WITH ADDRESSABLE DEVICES. UPGRADE OR REPLACE WIRING AS REQUIRED.

**NOTE:**  
 1. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING INTERCONNECTION CONDUITS SIZED PER REQUIREMENTS OF THE INSTALLED SYSTEM AND APPLICABLE CODE REQUIREMENTS.

**NOTE:**  
 THIS CONTRACTOR SHALL COORDINATE ELEVATOR CROSS-CONNECT FOR PHASE 1 AND 2 RECALL WITH THE OWNER'S ELEVATOR MAINTENANCE CONTRACTOR: THESSEN-KRUPP ELEVATOR - MR. MATT ELLIOR  
 MOBILE: (850) 528-7590  
 OFFICE: (850) 576-0181  
 UPGRADES TO THE PRESENT ELEVATOR EQUIPMENT ARE OUTSIDE THE SCOP OF THIS PROJECT.

- F/A RISER WORK NOTES:**
- ALL EXISTING HORN/STROBES ARE TO BE CHANGED OUT IN-PLACE WITH SPEAKER STROBES UNON. CONTRACTOR TO PROVIDE ALL CONDUIT AND CONDUCTORS TO IMPLEMENT.
  - ALL ROOFTOP FANS ARE SHOWN WITH SHUT-DOWN RELAYS CONNECTED TO F/A SYSTEM. CONTRACTOR TO FIELD VERIFY COUNT AND LOCATION. ALL EXISTING FANS WITH RELAYS ARE TO BE INCORPORATED INTO THE NEW SYSTEM. ALL EXISTING FANS FOUND WITHOUT RELAYS ARE TO BE SUPPLIED RELAYS AND INCORPORATED INTO THE NEW SYSTEM.
  - CONTRACTOR TO PROVIDE ALL CONDUIT AND CONDUCTORS TO ADD NEW DEVICES AS INDICATED. SEAL ALL WALL PENETRATIONS TO MAINTAIN EXISTING FIRE/SMOKE RATINGS.
  - CONTRACTOR TO FIELD REVIEW AND COORDINATE INSTALLATION OF NEW DEVICES WITH EXISTING DUCTWORK. EACH AHU AND DX UNIT IS TO HAVE AS A MINIMUM, ONE SUPPLY AND ONE RETURN DUCT DETECTOR, WHERE INACCESSIBLE OR NOT VISIBLE, CONTRACTOR SHALL PROVIDE REMOTE ANNUNCIATORS. CONTRACTOR TO PROVIDE ALL CONDUIT AND CONDUCTORS TO ADD NEW DEVICES AS INDICATED.
  - PROVIDE ADDITIONAL TERMINAL CABINET SPACE AND EQUIPMENT AS REQUIRED FOR ADDITIONAL DEVICES.
  - PROVIDE ADDITIONAL CONDUIT AND CONDUCTORS AS REQUIRED BETWEEN FACP, FAP, AND FANP TO ACCOMMODATE EXISTING AND NEW DEVICES AND RE-ARRANGEMENT OF MAIN PANEL. ALL SYSTEMS ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.
  - PROVIDE NEW MULTIPLEX, ADDRESSABLE FIRE ALARM SYSTEM WITH VOICE-EVACUATION FEATURE. EXISTING FACP/FANP "B-1" IS TO BECOME THE FACP. PROVIDE INTERFACE CONNECTION WITH BUILDING ENERGY MANAGEMENT CONTROL SYSTEM, LOCAL AREA NETWORK, AND TELEPHONE SYSTEM.
  - EXISTING FACP/FANP NMR-1 IS TO BECOME FANP NMR-1.
  - EXISTING FACP/FANP "OPMD-1" IS TO BECOME FANP "OPMD-1".
  - EXISTING FANP "CUP-1" AND TWO STROBE LIGHTS ARE TO BE REPLACED WITH FANP "CUP-1", ANNUNCIATING ALL SIGNALS FROM NEW FANP "B-1".
  - PROVIDE A 30"Wx30"Hx12"D ABOVE-CEILING JUNCTION BOX FOR ELEVATOR CONTROL/CROSS-CONNECT CONDUIT TERMINATION ABOVE FACP LOCATION.
  - PROVIDE (1) 3" WITH (2) CAT 5-E CABLES AND (1) 1/2" WITH PULL-STRING FROM EACH EXISTING ELEVATOR CONTROL CABINET TO THE FACP.
  - MAINTAIN CURRENT FAN OPERATION TO START UPON FIRE ALARM ACTIVATION.
  - NO FIRE ALARM SHUT-DOWN RELAY REQUIRED.
  - PROVIDE CONDUIT, CONDUCTOR, AND COORDINATION AS REQUIRED TO CROSS-CONNECT F/A SYSTEM WITH JOHNSON-CONTROLS HVAC CONTROL SYSTEM.
  - PROVIDE MONITORING OF FIRE-PUMP CONTROLLER AND FIRE SPRINKLER AIR-COMPRESSOR FOR PHASE LOSS, PHASE REVERSAL, AND POWER LOSS.
  - PROVIDE NEW CONNECTIONS TO EXISTING DRY-PIPE SPRINKLER SYSTEM PRESSURE SWITCHES AND TAMPER SWITCHES.

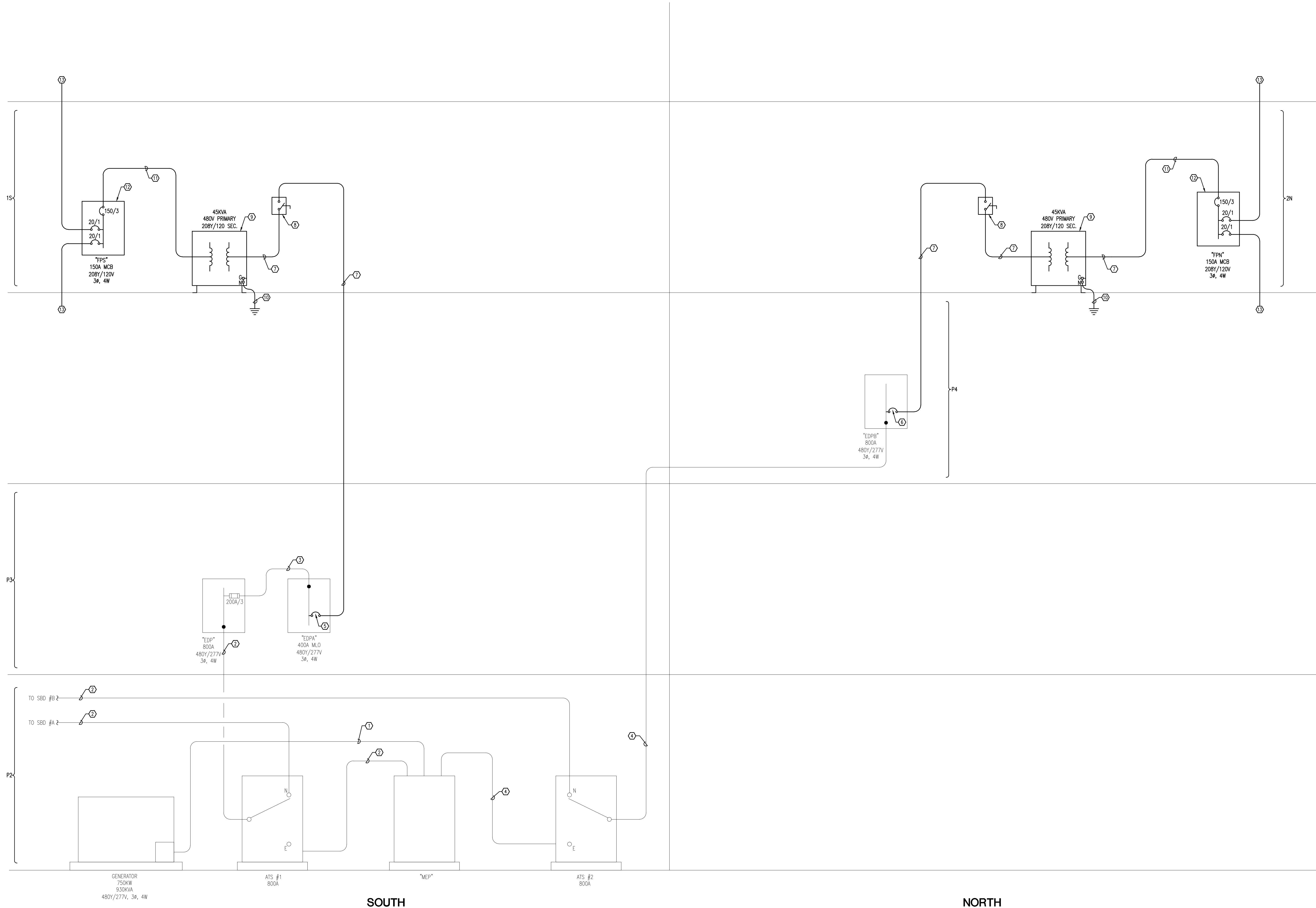
NORTH END

FIRE ALARM RISER DIAGRAM

NOT TO SCALE

SOUTH END

- WORK NOTES:**
- ① (4) 3"-4 #350 & 1 #4/O G EA.
  - ② (2) 3"-4 #500 & 1 #1/O G EA.
  - ③ 2"-4 #3/0 & 1 #6 G.
  - ④ (3) 3"-4 #300 & 1 #1/O G EA.
  - ⑤ REUSE EXISTING 70A/3P CIRCUIT BREAKER.
  - ⑥ REMOVE EXISTING 100A/3P C.B. AND PROVIDE NEW 70A/3P.
  - ⑦ PROVIDE NEW 1/2"-3 #2 & 1 #6 G. CORE BORE & FIRE CALK CONCRETE FLOORS AS REQUIRED.
  - ⑧ PROVIDE NEW SAFETY SWITCH & MEANS OF MOUNTING. 100A/3P NON-FUSED NEMA 1.
  - ⑨ PROVIDE NEW 45KVA - 480V, 3Ø TO 120/208, 3Ø, 4W, 2SD DRY-TYPE TRANSFORMER AND MEANS OF MOUNTING. INCLUDE RACK TO ASSEMBLE NEW TRANSFORMER DIRECTLY ABOVE EXISTING TRANSFORMER. PROVIDE VIBRATION ISOLATION PADS AS REQUIRED. REFER TO SPECIFICATIONS.
  - ⑩ EXTEND 1 #6 IN 1" GROUNDING ELECTRODE CONDUCTOR TO BUILDING STEEL AND COLD-WATER PIPE.
  - ⑪ PROVIDE NEW 2"-4 #1/O & 1 #6 G.
  - ⑫ PROVIDE NEW 150A, 42 CIRCUIT PANEL FOR FIRE-ALARM SYSTEM POWER. PROVIDE LABEL ON FRONT OF PANEL INDICATING "FIRE ALARM CIRCUITS ONLY". PROVIDE MEANS OF MOUNTING IN ELECTRIC ROOM INDICATED. REFER TO FLOOR PLAN.
  - ⑬ PROVIDE NEW CIRCUIT(S) TO FLOORS ABOVE AND BELOW TO FIRE ALARM SYSTEM PANELS AS INDICATED ON FLOOR PLANS AND RISER DIAGRAMS. REFER TO PANEL SCHEDULE.



**PARTIAL EMERGENCY POWER RISER DIAGRAM**  
NOT TO SCALE

**LINE TYPE LEGEND**

---	EXISTING TO BE REMOVED
.....	EXISTING TO REMAIN (LIGHT)
—	NEW TO BE PROVIDED (BOLD)

REV.	DESCRIPTION	DATE

**NEW**

**PANEL SCHEDULE: "FPN"**

CKT NO.	DESCRIPTION	C. BKR.			LOAD KVA/#			C. BKR.			DESCRIPTION	CKT NO.
		A	P		A	B	C	A	B	C		
		20	1					20	1			
1	NAC-2N-1				1.44			1.68			FAAP-P3N-1	2
3	NAC-2N-2				1.44			1.68	1.68		FAAP-P3N-2	4
5	FAAP-IN-1								1.68		FAAP-P3N-3	6
7	SPARE							1.44			NAC-3N-1	8
9	NAC-IN-1				1.44			1.44			NAC-3N-2	10
11	NAC-IN-2								.70		RECEPT-3N	12
13	NAC-P4N				1.44			1.44			NAC-4N	14
15	FAAP-P3N-1							1.44			NAC-5N-1	16
17	SPARE								1.44		NAC-5N-2	18
19	NAC-P3N				1.44						SPARE	20
21	SPARE											22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
					4.32	4.56	3.12	4.56	4.56	3.62		
TOTAL CONNECTED LOAD:		24.94 KVA	69.33 AMPS									
TOTAL DEMAND LOAD:		24.94 KVA	69.33 AMPS									

**NEW**

**PANEL SCHEDULE: "FPS"**

CKT NO.	DESCRIPTION	C. BKR.			LOAD KVA/#			C. BKR.			DESCRIPTION	CKT NO.
		A	P		A	B	C	A	B	C		
		20	1					20	1			
1	FAAP-1S-1				1.68			1.44			NAC-2S-1	2
3	FAAP-1S-2				1.68			1.44			NAC-2S-2	4
5	NAC-1S-1				1.44				1.44		NAC-2S-3	6
7	NAC-1S-2				1.44			1.68			TRANSPOND-3S-1	8
9	NAS-P4S				1.44			1.68	1.68		TRANSPOND-3S-2	10
11	FAAP-P3S-1				1.68				1.68		TRANSPOND-3S-3	12
13	SPARE							1.44			NAC-3S-1	14
15	NAC-P3S				1.44			1.44			NAC-3S-2	16
17	NAC-P2S								1.44		NAC-3S-3	18
19	NAC-P1S				1.44			1.44			NAC-4S-1	20
21	NAC-POS				1.44			1.44			NAC-4S-2	22
23	SPARE										SPARE	24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
					4.56	6.00	4.56	6.00	6.00	4.56		
TOTAL CONNECTED LOAD:		31.68 KVA	88.07 AMPS									
TOTAL DEMAND LOAD:		31.68 KVA	88.07 AMPS									

SCALE

**Pinnacle Engineering Group, P.A.**  
 3333 THOMASVILLE ROAD, SUITE 102  
 FORT WORTH, TEXAS 76107  
 OFFICE (817) 432-7193 FAX (817) 432-1002  
 Engineering Business #9753

DATE

REV. / DESCRIPTION

**LEON COUNTY COURTHOUSE  
 NEW FIRE ALARM SYSTEM**  
 LEON COUNTY  
 TALLAHASSEE, FLORIDA

DRAWING TITLE:  
**PANEL SCHEDULES**

FILE: E3.1  
 JOB NO.: 212-116  
 DATE: 3/13/2013  
 SCALE: 1=1  
 DRAWN BY: DLG  
 CHECKED BY: RKF  
 SHEET No.:

FPN  
 FPS

**E3.1**