

GRAPHIC SCALE 1" = 300'  
 0 100 200 300 400  
 NOTE: EACH MAP AREA MEASURES 2,000' X 2,000' AREA.

SEE SUBMITTAL  
 FOR ALL PERMITS  
 CONSTRUCTION



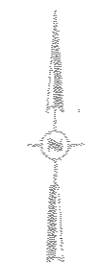
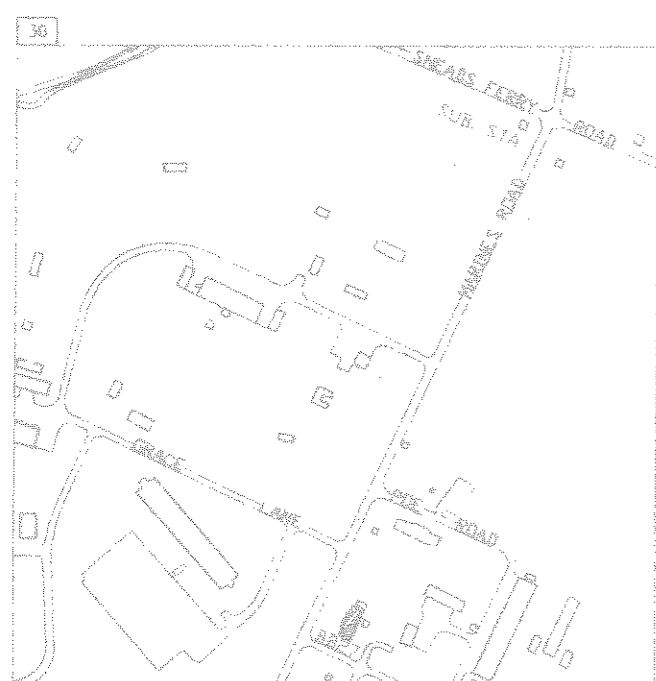
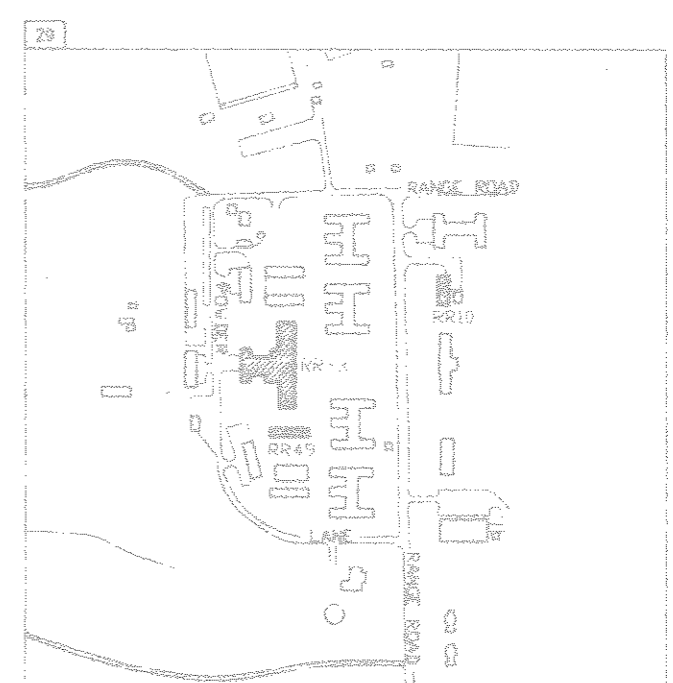
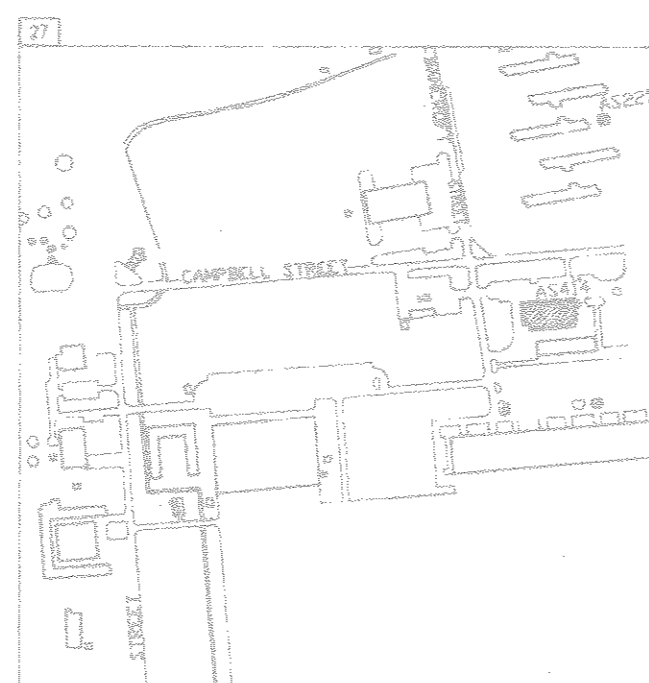
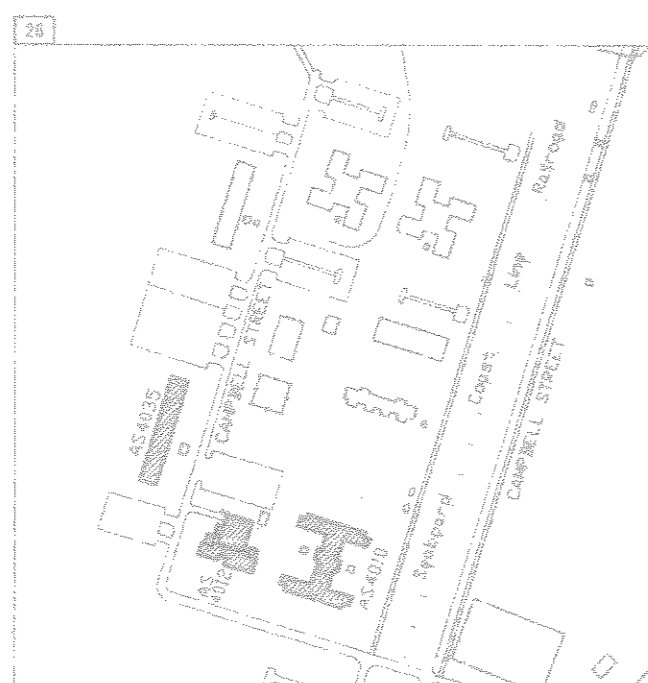
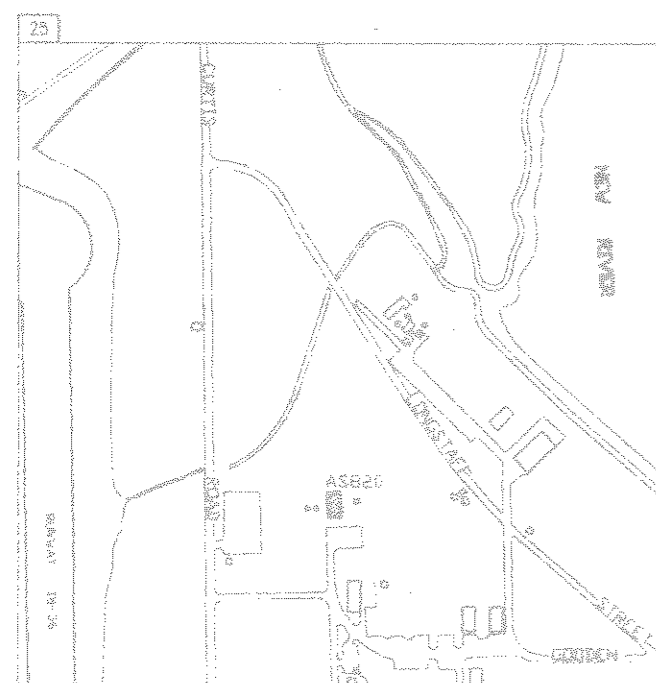
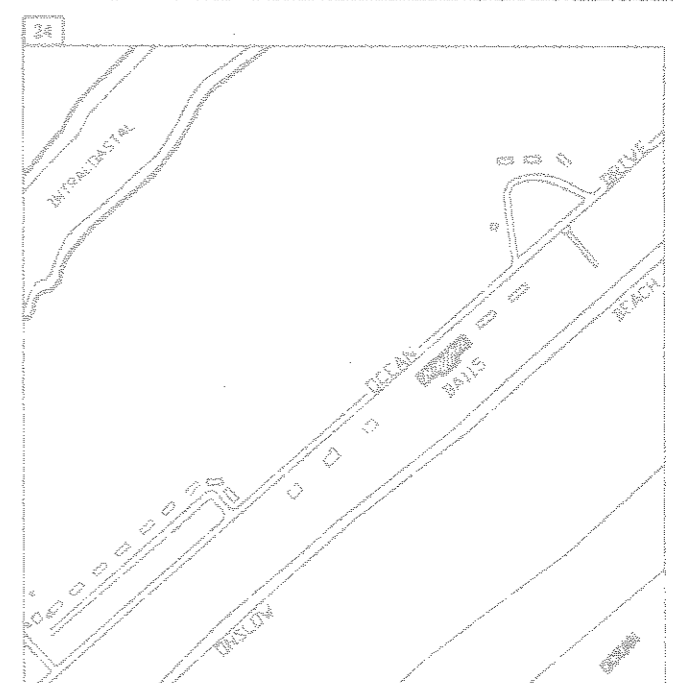
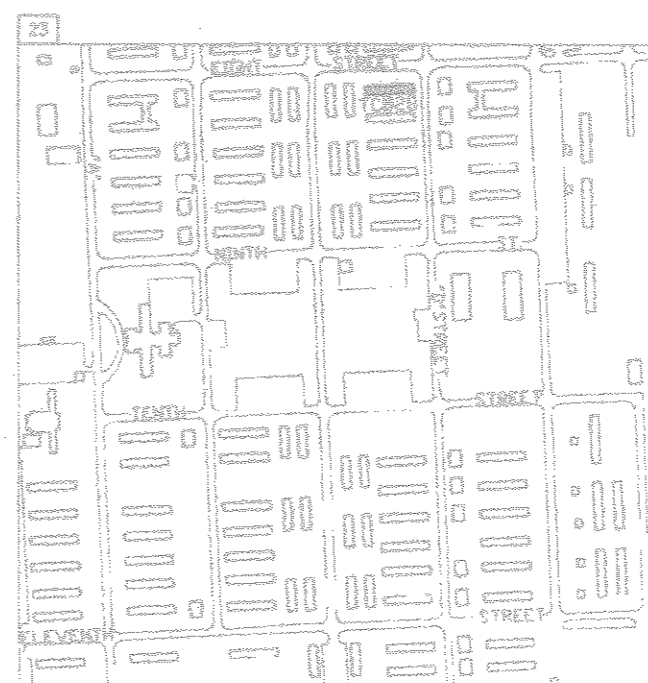
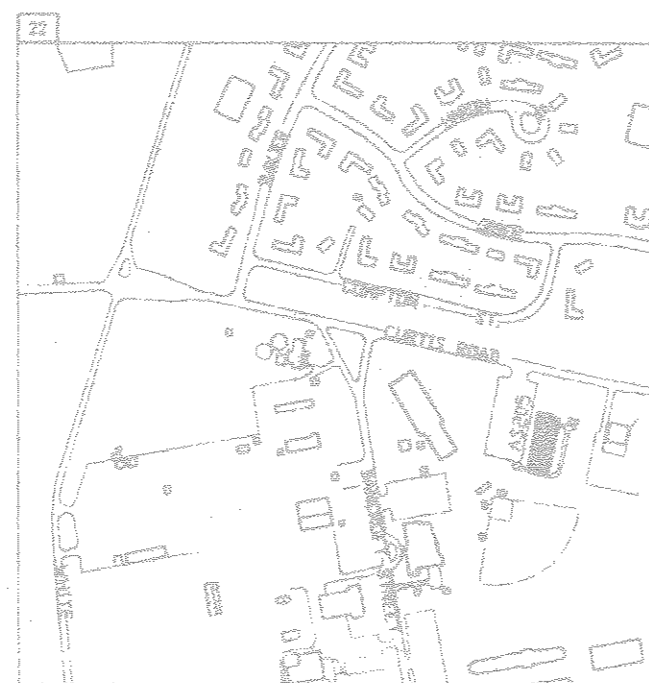
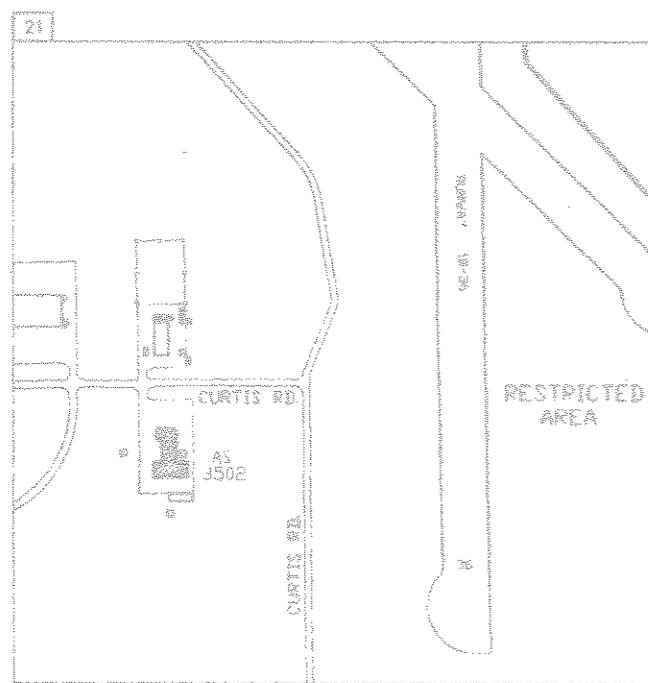
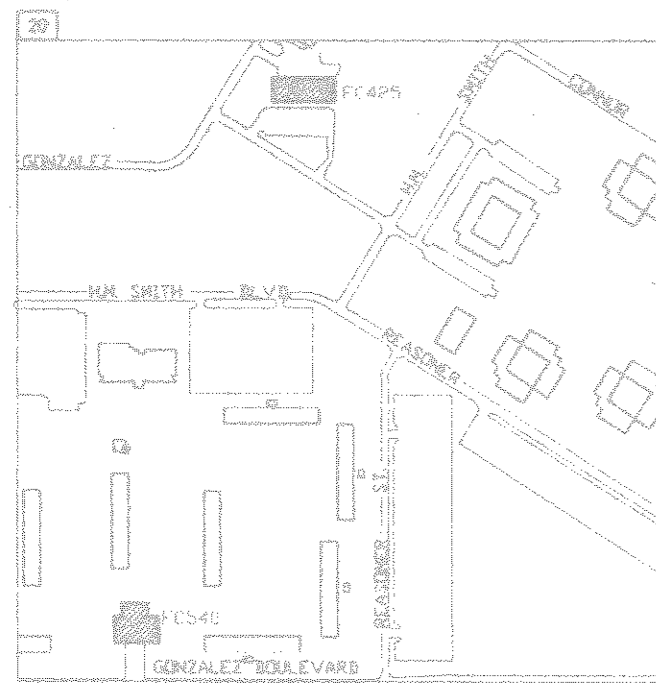
FACILITY ENGINEERING DEPT 040 20		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL CORPS BASE CAMP LEJEUNE, NC		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS SITE MAPS (5 - 19) PROJECT NO. NS2470-98-B-4411	
DESIGNER	DATE	SCALE	NAVFAC DRAWING NO.
ENGINEER	DATE	SCALE	10000000
APPROVED BY	DATE	SCALE	10000000
CHECKED BY	DATE	SCALE	10000000
DATE	DATE	SCALE	10000000

T-3

ENGINEER & PLANNER, P.A.



SYMBOL	DESCRIPTION	DATE	APPROVED



GRAPHIC SCALE 1" = 300'  
 300' 0' 300' 600'  
 NOTE: EACH MAP AREA MEASURES 2,000' X 2,000' AREA.

90% SUBMITTAL  
 DO NOT USE FOR  
 CONSTRUCTION



DESIGNED BY  
 DIBBLE & PLEDGER, P.A.

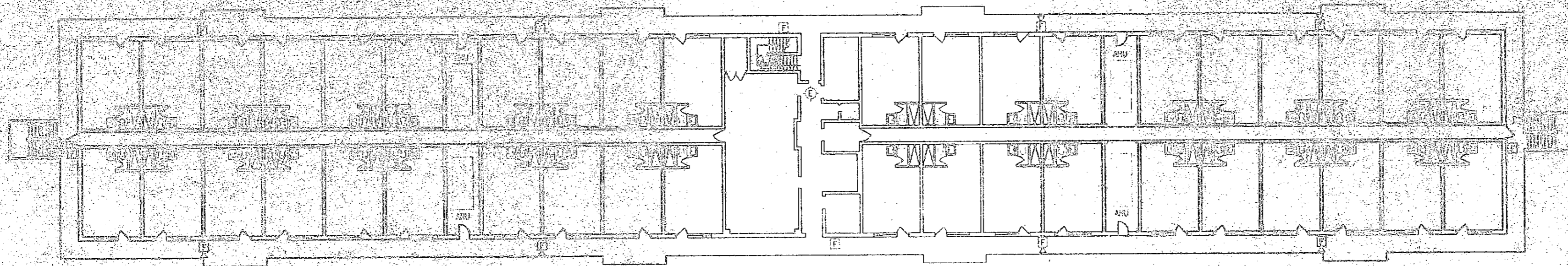
FACILITY BRANCHING DEPT DWG NO	DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND
DES LMD	MAINE COVE BASE, CAMP LEAR, NC.
DR RCA	INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS
CON LMD	SITE PLANS (20 - 31)
EQUI LMD	PROJECT NO. NB2470-90-B-4415
INT LMD	NAVJAG DRAWING NO. 300000X
APPROVED FED OR OCC DATE	SIZE 8 1/2" X 11"
SATISFACTORY TO DATE	SCALE 1/8" = 1'-0"

T-4

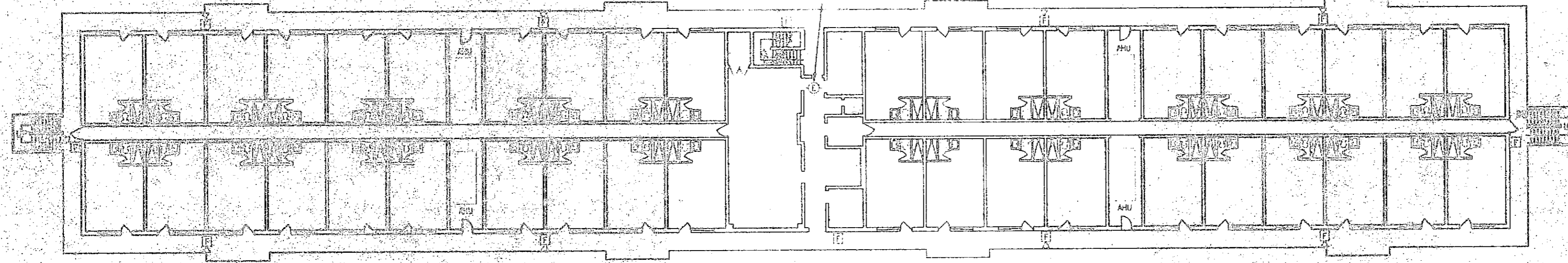
NOV 20 1990  
 SHEET 4 OF 17



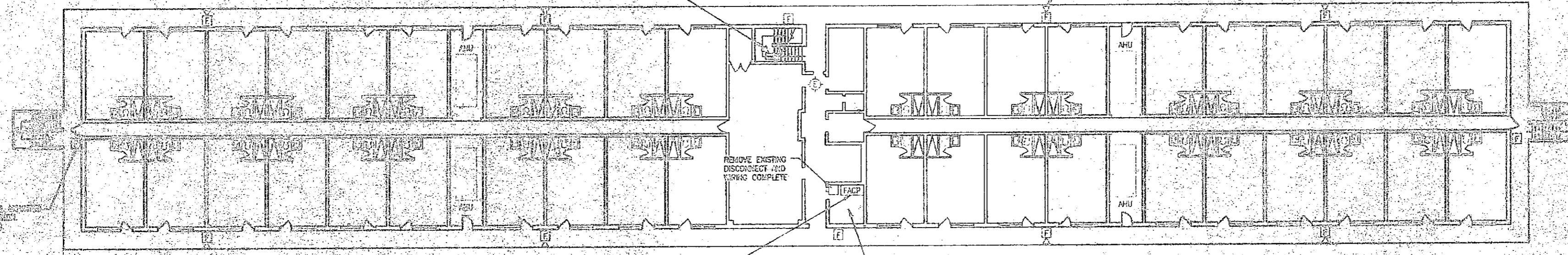




3 BUILDING AS-4055 - THIRD FLOOR - DEMOLITION  
 3/32" = 1'-0"



2 BUILDING AS-4055 - SECOND FLOOR - DEMOLITION  
 3/32" = 1'-0"



1 BUILDING AS-4055 - FIRST FLOOR - DEMOLITION  
 3/32" = 1'-0"

REMOVE EXISTING WALL MOUNTED  
 FIRE MASHES (TOP)  
 REMOVE EXISTING (TOP)

- NOTES:**
- REMOVE EXISTING OPERATIONAL AND WARE ROOMS (TOP), CO TO BE DEMOLISHED (TOP)
  - REMOVE EXISTING WALL MOUNTED FIRE MASHES (TOP) AT VARIOUS LOCATIONS
  - REMOVE EXISTING WALL MOUNTED FIRE MASHES (TOP) AT VARIOUS LOCATIONS
  - REMOVE EXISTING WALL MOUNTED FIRE MASHES (TOP) AT VARIOUS LOCATIONS
  - REMOVE EXISTING WALL MOUNTED FIRE MASHES (TOP) AT VARIOUS LOCATIONS
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  - REMOVE EXISTING WALL MOUNTED FIRE MASHES (TOP) AT VARIOUS LOCATIONS
  - REMOVE EXISTING WALL MOUNTED FIRE MASHES (TOP) AT VARIOUS LOCATIONS



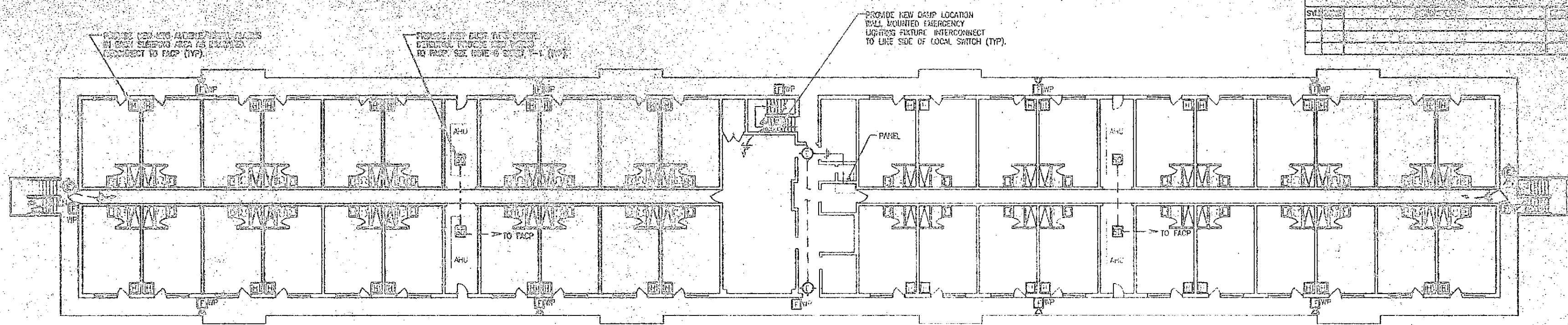
0' 0" 5' 10'  
 3/32" = 1'-0"

FOR SUBMITTAL  
 TO USE FOR  
 CONSTRUCTION

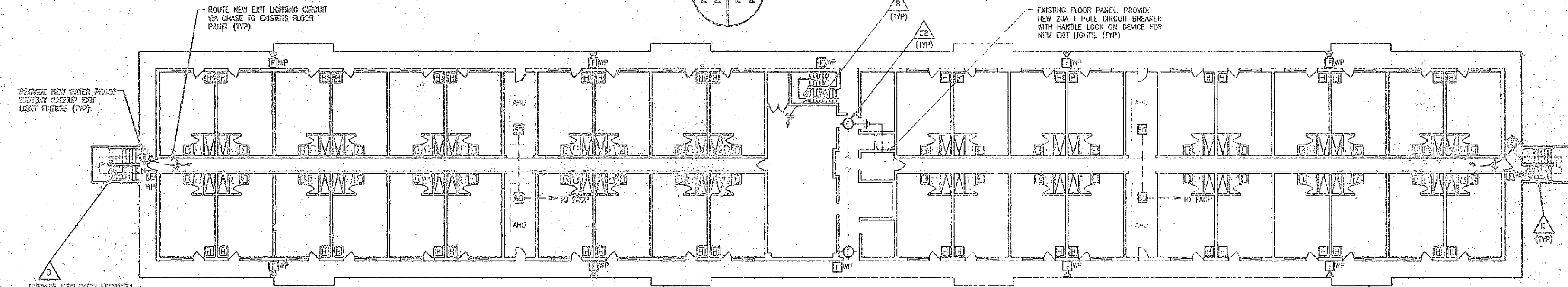


PROJECT NO.	DATE	BY	CHECKED
INSTALL FIRE ALARMS AT VARIOUS LOCATIONS BUILDING AS-4055			
DRAWN BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name]			

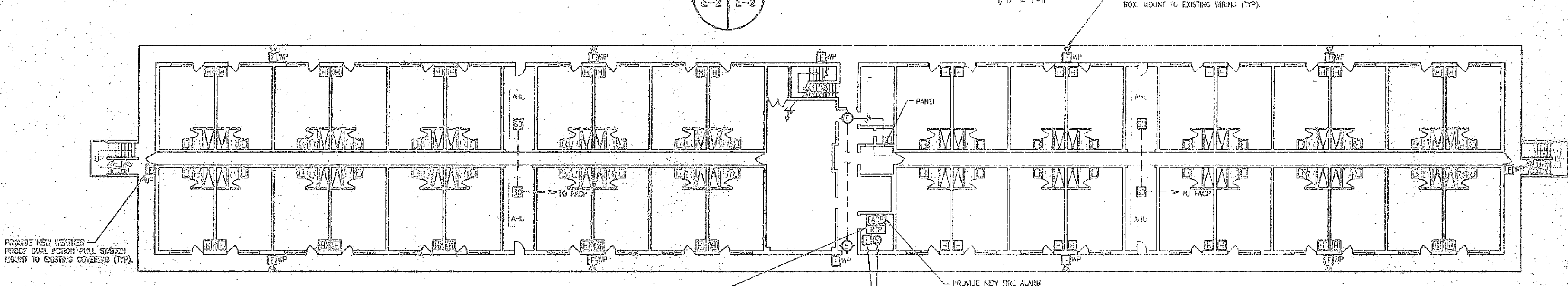




3 BUILDING AS-4035 - THIRD FLOOR - INSTALLATION  
3/32" = 1'-0"



2 BUILDING AS-4035 - SECOND FLOOR - INSTALLATION  
3/32" = 1'-0"



1 BUILDING AS-4035 - FIRST FLOOR - INSTALLATION  
3/32" = 1'-0"

- NOTES:**
1. VERIFY ALL DIMENSIONS AND ALL OTHER DETAILS (TYP) ON OTHER SHEETS AS APPLICABLE.
  2. PROVIDE NEW 100 WATT PULL STATION MOUNT TO EXISTING COVERING (TYP) OR NEW COVERING AS SHOWN.
  3. PROVIDE NEW FIRE ALARM TRANSMITTER MOUNT TO EXISTING COVERING (TYP) OR NEW COVERING AS SHOWN.
  4. VERIFY ALL DIMENSIONS AND ALL OTHER DETAILS (TYP) ON OTHER SHEETS AS APPLICABLE.
  5. PROVIDE NEW WALL MOUNTED PULL STATION AND CELING MOUNTED SMOKE DETECTOR.
  6. PROVIDE NEW WEATHER PROOF BATTERY BACKUP BOX WITH LIGHT FIXTURE (TYP).
  7. PROVIDE NEW GRIFF LOCATION WALL MOUNTED EMERGENCY LIGHTING FIXTURE INTERCONNECT TO LINE SIDE OF LOCAL SWITCH (TYP).
  8. PROVIDE NEW AUDIBLE VISUAL ALARM DEVICE WITH NEW WEATHERPROOF BACK BOX. MOUNT TO EXISTING HIRING (TYP).

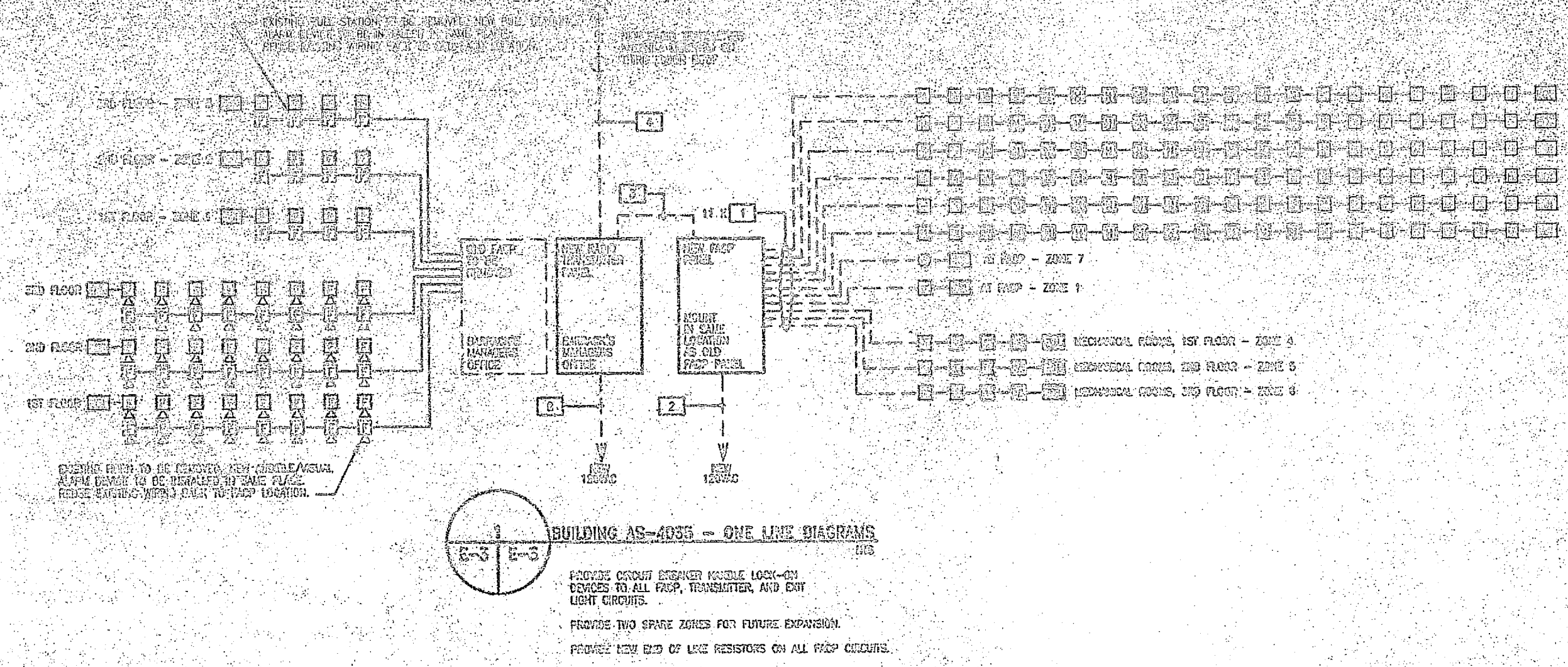


5' 0' 5' 10'  
GRAPHIC SCALE 3/32" = 1'-0"

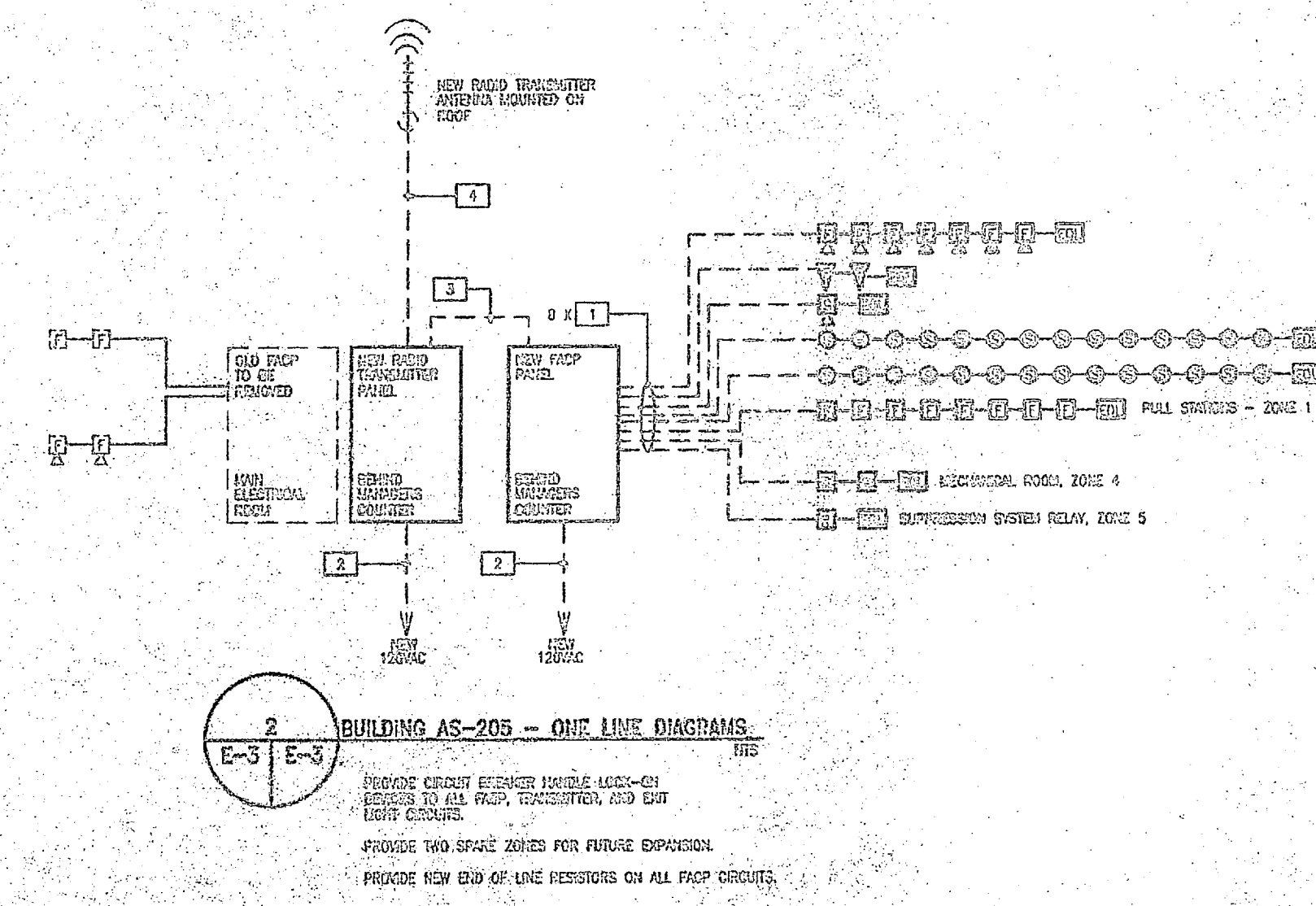
30% SUBMITTAL FOR PERMITS CONSTRUCTION	FACILITY ENGINEER'S REVIEW DATE TO:	COPY OF DRAWING HAVAI FACILITIES OPERATING COMMAND
	APPROVED FOR CONSTRUCTION SEAL DATE	APPROVED FOR CONSTRUCTION DATE
INSTALL FIRE ALARM SYSTEM VARIOUS LOCATIONS BUILDING AS-4035 PROJECT NO. HNS2470-SS-B-0411		



REVISIONS	
NO.	DESCRIPTION



- CONDUIT AND CABLE SCHEDULE**
- 1. 100' AWG CU THIN WALL UNGROUNDING CONDUCTORS, 100' AWG CU THIN WALL GROUNDING CONDUCTORS, 3/4" CONDUIT
  - 2. 110' AWG CU THIN WALL UNGROUNDING CONDUCTORS, 110' AWG CU THIN WALL GROUNDING CONDUCTORS, 3/4" CONDUIT
  - 3. 120' AWG CU THIN WALL UNGROUNDING CONDUCTORS, 120' AWG CU THIN WALL GROUNDING CONDUCTORS, 3/4" CONDUIT
  - 4. 120' AWG CU THIN WALL UNGROUNDING CONDUCTORS, 120' AWG CU THIN WALL GROUNDING CONDUCTORS, 3/4" CONDUIT



- CONDUIT AND CABLE SCHEDULE**
- 1. 100' AWG CU THIN WALL UNGROUNDING CONDUCTORS, 100' AWG CU THIN WALL GROUNDING CONDUCTORS, 3/4" CONDUIT
  - 2. 110' AWG CU THIN WALL UNGROUNDING CONDUCTORS, 110' AWG CU THIN WALL GROUNDING CONDUCTORS, 3/4" CONDUIT
  - 3. 120' AWG CU THIN WALL UNGROUNDING CONDUCTORS, 120' AWG CU THIN WALL GROUNDING CONDUCTORS, 3/4" CONDUIT
  - 4. 120' AWG CU THIN WALL UNGROUNDING CONDUCTORS, 120' AWG CU THIN WALL GROUNDING CONDUCTORS, 3/4" CONDUIT

90% SUBMITTAL  
DO NOT USE FOR  
CONSTRUCTION

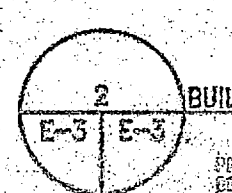
DESIGNED BY	DATE	SCALE	PROJECT NO.
CHECKED BY	DATE	SCALE	PROJECT NO.
APPROVED BY	DATE	SCALE	PROJECT NO.

**30% SUBMITTAL**

DESIGNED BY	DATE	SCALE	PROJECT NO.
CHECKED BY	DATE	SCALE	PROJECT NO.
APPROVED BY	DATE	SCALE	PROJECT NO.

**30% SUBMITTAL**

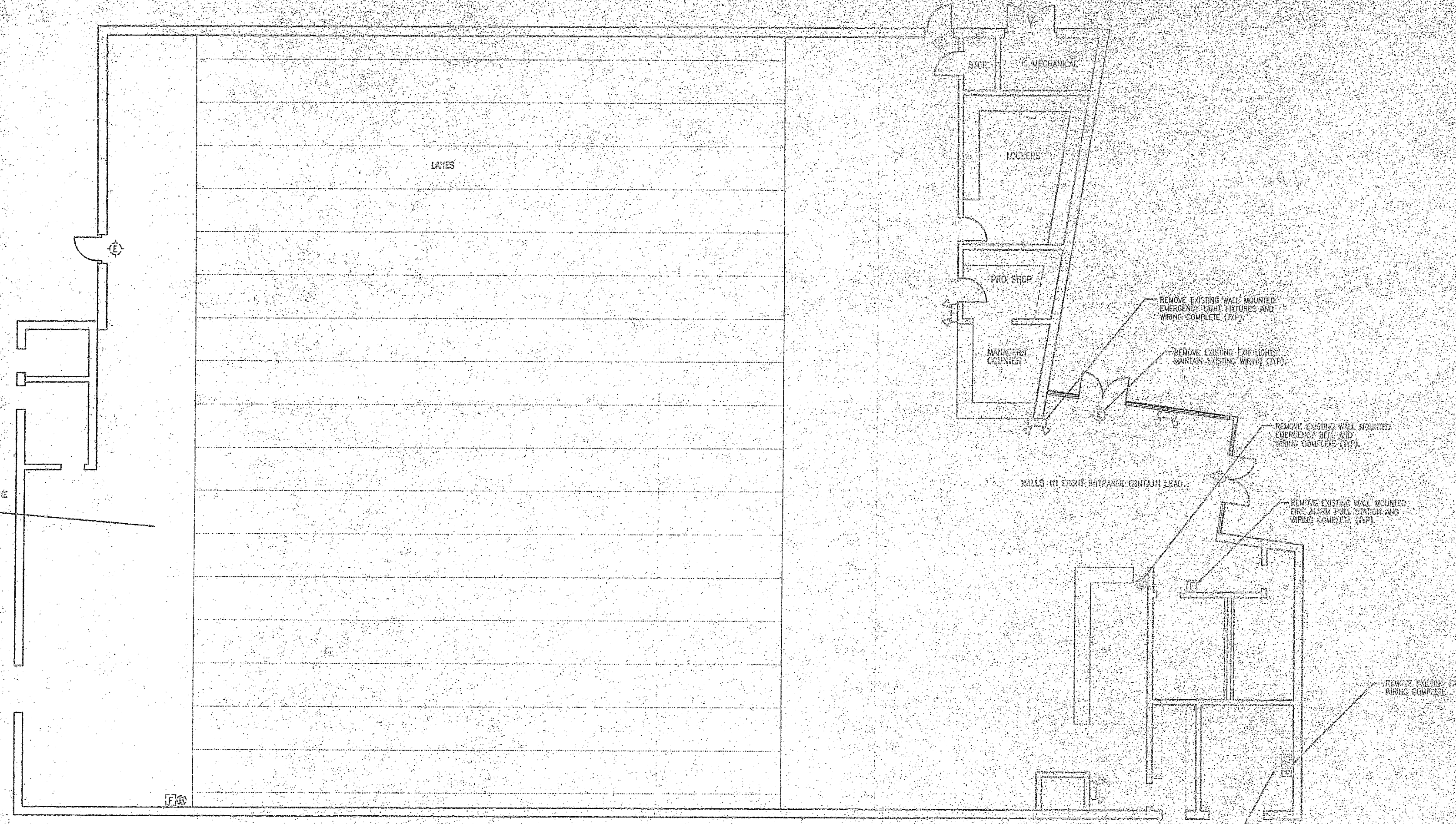
DESIGNED BY	DATE	SCALE	PROJECT NO.
CHECKED BY	DATE	SCALE	PROJECT NO.
APPROVED BY	DATE	SCALE	PROJECT NO.



E-3



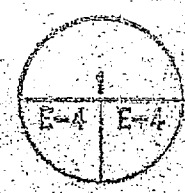
REVISIONS			
REV. NO.	DESCRIPTION	DATE	APPROVED



THE FLOOR FLOOR JOIST IN THE ROOM BEHIND THE LINES CONTAINS ASBESTOS.

**DEMOLITION NOTES:**

1. REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (PANEL), 120 VAC CONTROL POWER, CONDUIT, AND APPURTENANCE EQUIPMENT IN MECHANICAL ROOM AS INDICATED.
2. EXISTING WIRING IS CONCEALED IN CONDUITS WITHIN THE WALLS. REMOVE WIRING IN ALL DEVICES THEN REMOVE CONDUIT CONCEALED IN THE WALLS. LEAVE ALL SURFACE MOUNTED EXPOSED FIRE ALARM CONDUIT COMPLETELY.
3. REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. REMOVE BLANK COVERS ON REMOVED DEVICES.
4. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.
5. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES, REMOVE WIRING DATA COMPLETELY TO EXISTING WIRING. REMOVE CONDUIT IN WALLS. REMOVE BLANK COVERS ON ALL REMOVED DEVICES.
6. MAINTAIN EXISTING FIRE ALARM CONTROL SYSTEM AS PER CODES. MINIMIZE EXISTING FIRE ALARM SYSTEM TO BE OPERATIONAL AT END OF PROJECT OR AS DIRECTED.


**BUILDING AS-203 - DEMOLITION**  
 8/10/11 11-01

30% SUBMITTAL  
DO NOT USE FOR  
CONSTRUCTION



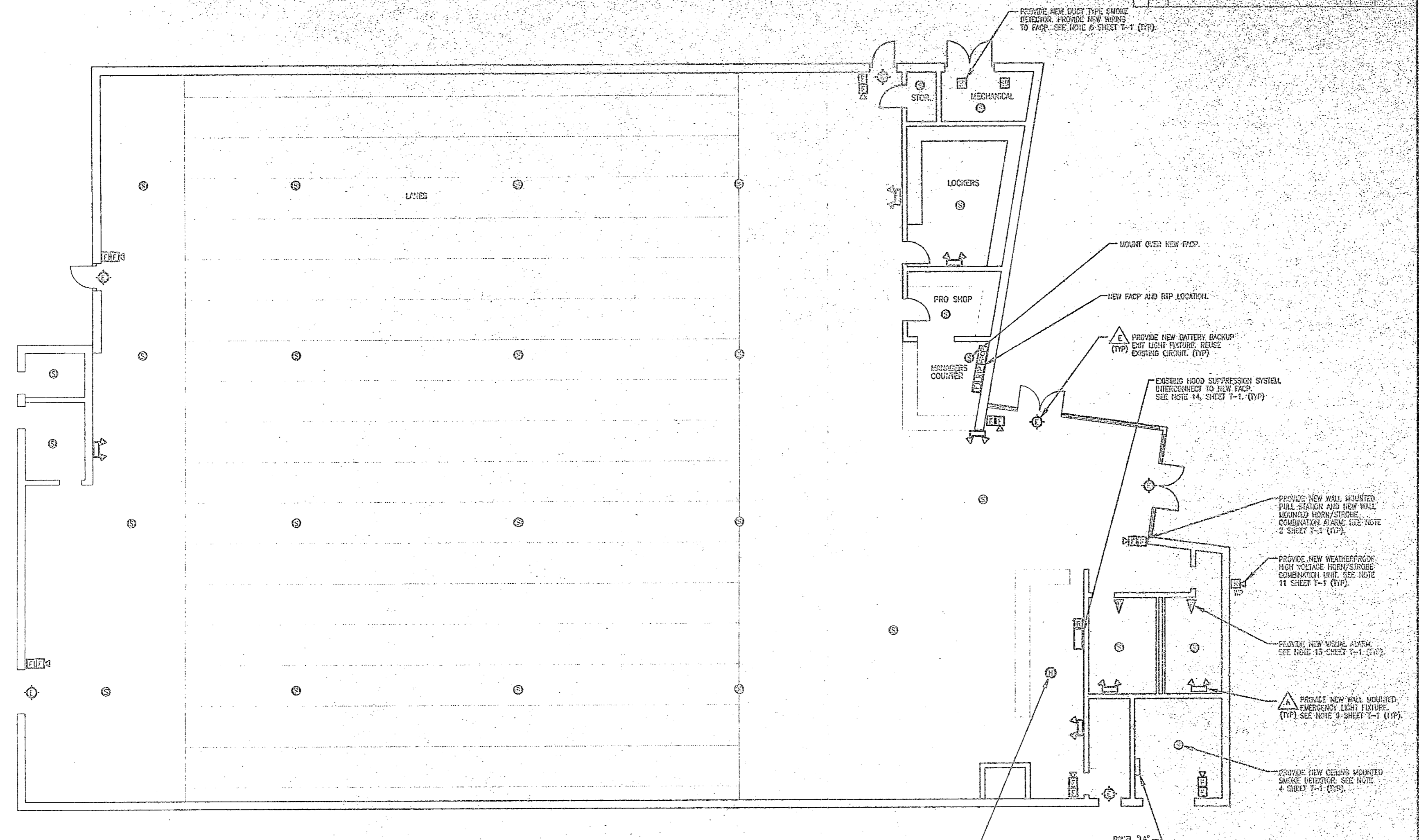
DESIGNED BY: JAMES C. LEURGANS	DATE OF DRAWING: 8/10/11
DRAWN BY: JAMES C. LEURGANS	PROJECT NO.: 11-01
CHECKED BY: JAMES C. LEURGANS	SCALE: AS SHOWN
IN CHARGE: JAMES C. LEURGANS	DATE: 8/10/11
APPROVED FOR: JAMES C. LEURGANS	SIZE: 11x17
SATISFACTORY TO: JAMES C. LEURGANS	CODE REFERENCE: N/A
DIBBLE & FLEDGER, P.A.	CONTRACT NO.: 11-01
	SHEET: 01 OF 01

**E-4**



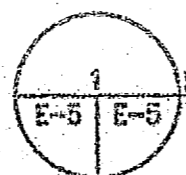


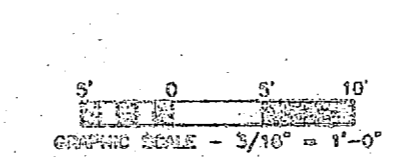
SYMBOL	DESCRIPTION	DATE	APPROVED



**INSTALLATION NOTES:**

1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "LA" IN MECHANICAL ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "LA". PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING FULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT FULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "LA". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
5. MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
6. MOUNT NEW EMERGENCY LIGHTING FIXTURES TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
7. UTILIZE SUSPENDED CEILING AREA TO ROUTE EXIT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL BUSHING AND FLOOR ENCASED RACEWAY DOWN HULL TO DEVICE LOCATION. PROVIDE BACK GIZES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)


**BUILDING AS-205 - INSTALLATION**  
 3/16" = 1'-0"

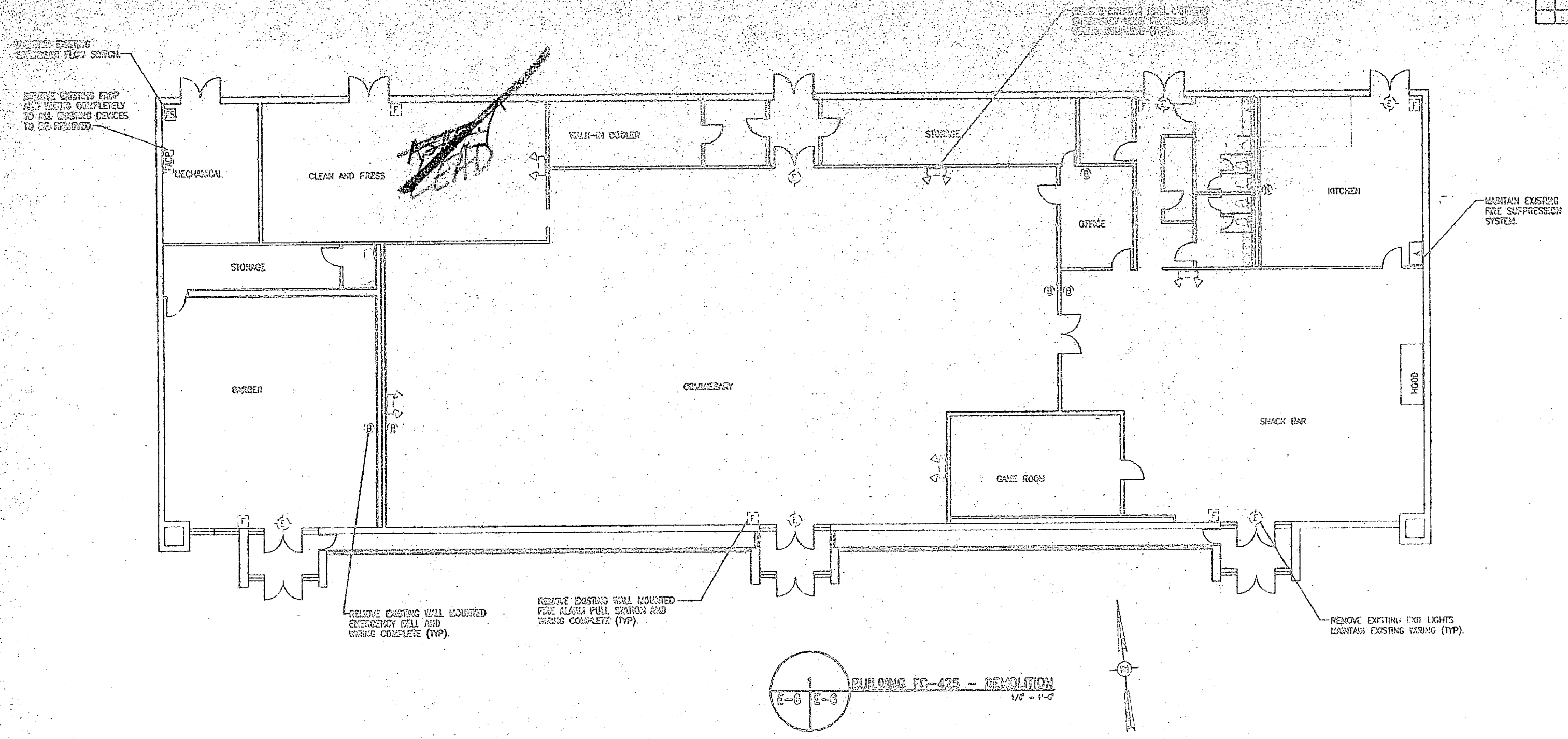


NOT SUBJECT TO USE FOR CONSTRUCTION



DESIGNED BY DRAWN BY CHECKED BY IN CHARGE APPROVED ON (DATE) DATE SATISFACTORY TO DATE	DEPT. OF NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>NAVAL CORPS BASE CAMP LEAKE, NC.</b> <b>INSTALL FIRE ALARM SYSTEM</b> <b>VARIOUS LOCATIONS</b> <b>BUILDING AS-205</b> PROJECT NO. 112479-20-00-1477 NAVAID DRAWING NO. 80091 CONSTRUCTION NO. 112479-20-00-1477 SHEET NO. 9 OF 9
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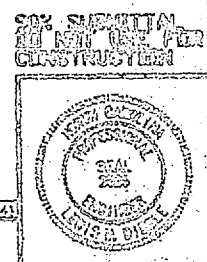
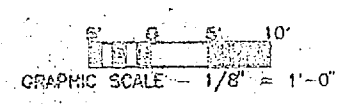




BUILDING FC-425 - DEMOLITION  
1/8" = 1'-0"

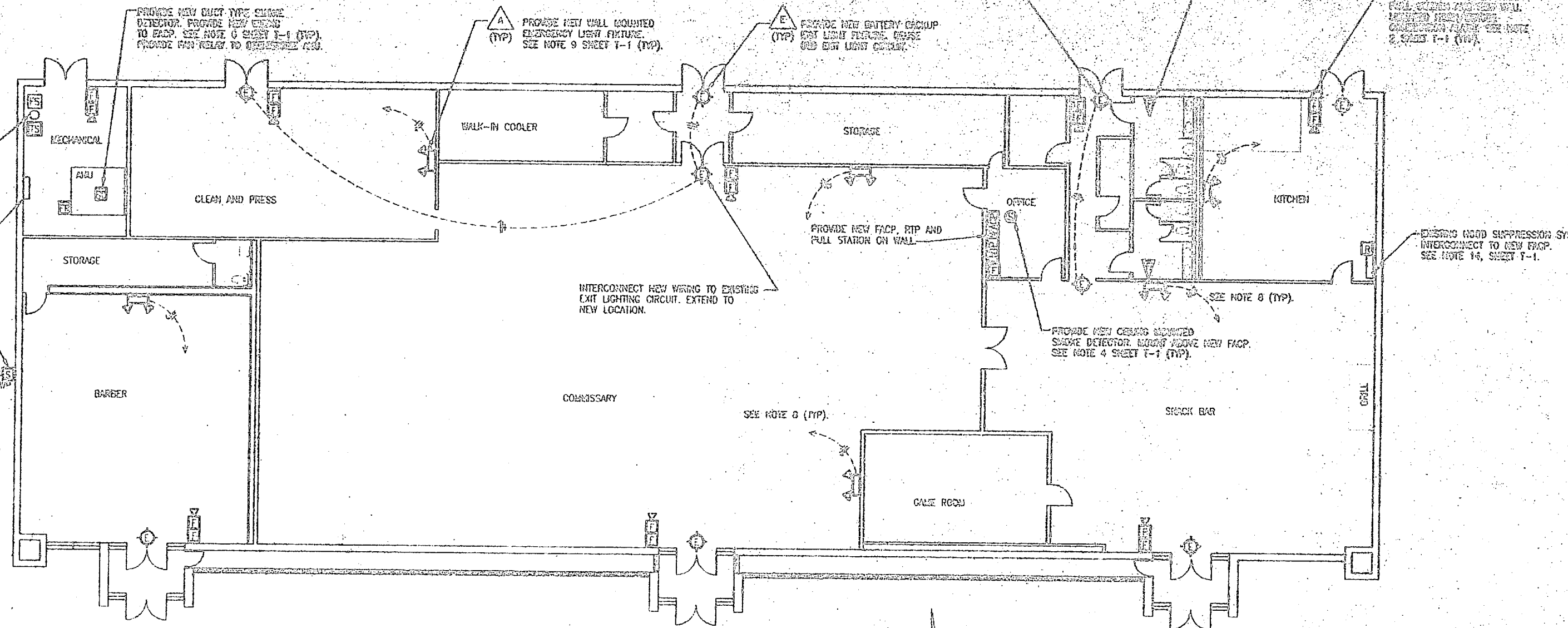
DEMOLITION NOTES:

1. REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP), 120 VAC CONTROL POWER, CONDUIT, AND APPURTENANCES EQUIPMENT IN MECHANICAL ROOM AS INDICATED.
2. EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS. REMOVE WIRING TO ALL DEVICES THEN ABANDON CONDUIT CONCEALED IN THE WALLS. REMOVE ALL SURFACE MOUNTED EXPOSED FIRE ALARM CONDUIT COMPLETELY.
3. REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. PROVIDE BLANK COVERS ON ABANDONED BOXES.
4. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.
5. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CONDUIT IN WALLS. PROVIDE BLANK COVER ON ALL ABANDONED BOXES.
6. MAINTAIN EXISTING FIRE ALARM CONTROL SYSTEM UNTIL CANCELLED. IMMEDIATELY DECOMMISSION FIRE ALARM SYSTEM TO BE OPERATIONAL AT EVENING OF CUSTOMER DAY.

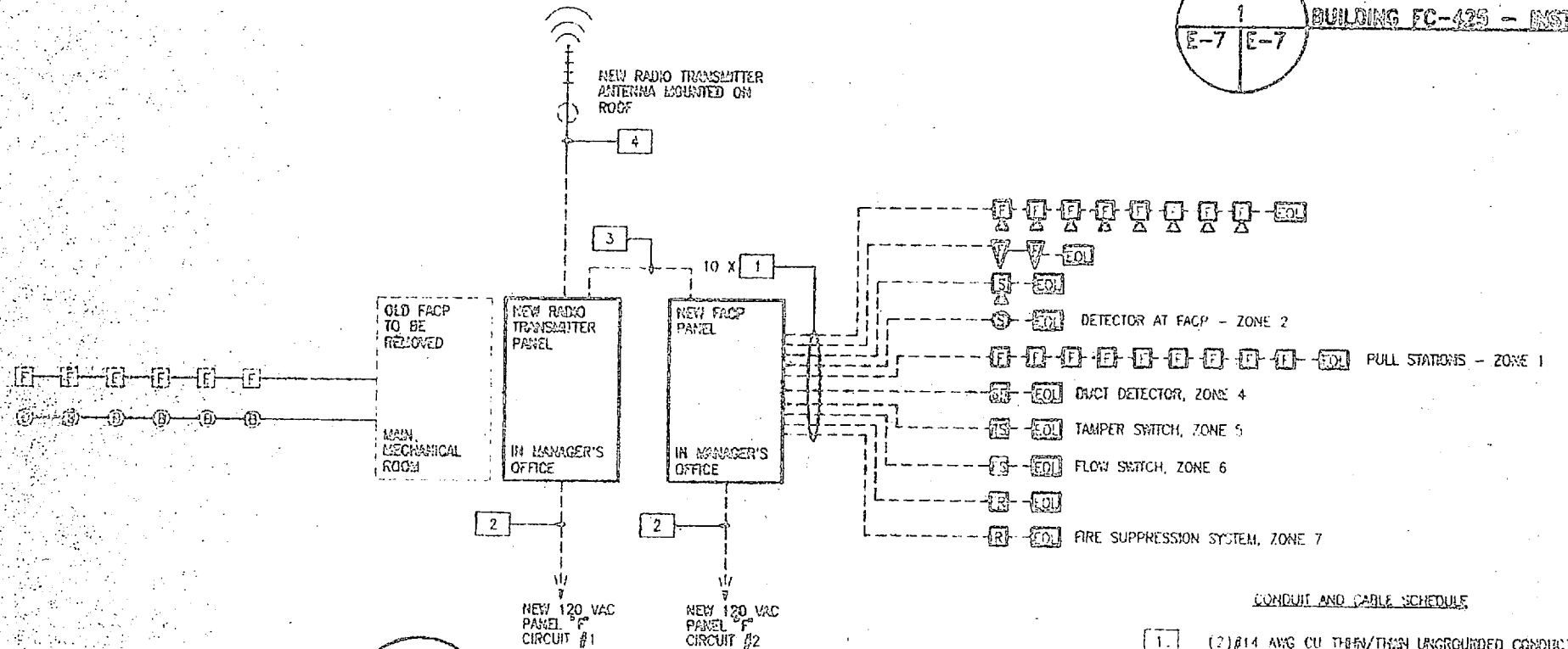


FACILITY ENGINEER CDT 000 00		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
MARCH 2000		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING FC-425	
DES - LMD	DES - ALC	PROJECT NO. N6270-96-B-4411	
REV - LMD	SUPV - LMD	DRAWING NO. 1-231	
PROJECTED BY CDT 000 00	CHECKED BY CDT 000 00	DATE 03-05-2000	
APPROVED BY CDT 000 00	DATE 03-05-2000	PAGE 1 OF 1	





1  
E-7 E-7 BUILDING FC-425 - INSTALLATION  
1/8" = 1'-0"



2  
E-7 E-7 BUILDING FC-425 - ONE LINE DIAGRAM  
NTS

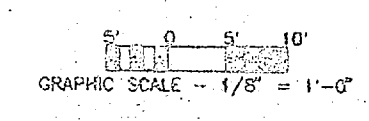
PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND E.I.R. LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

CONDUIT AND CABLE SCHEDULE

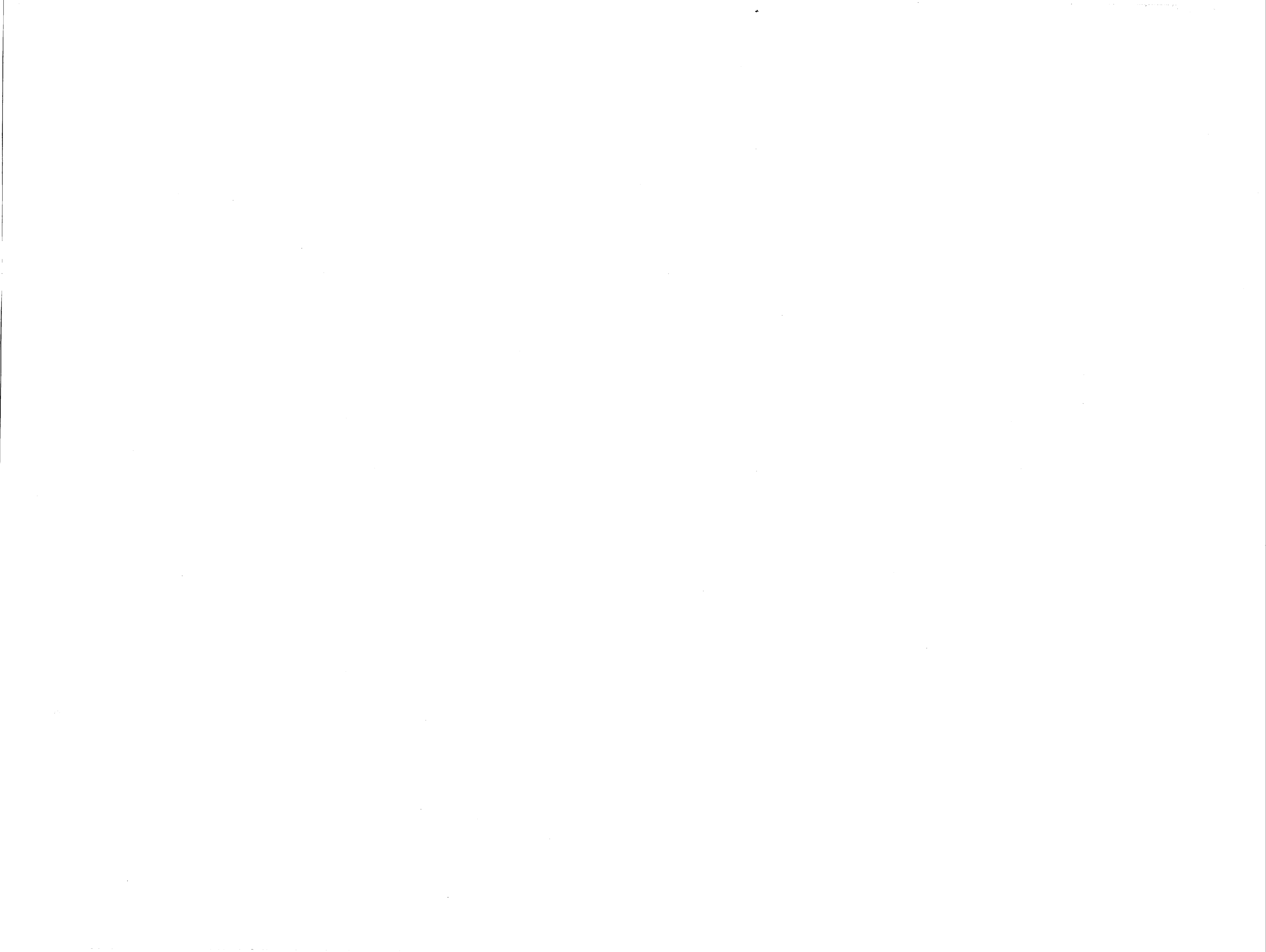
- 1. (2) #14 AWG CU THRU/THRU UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THRU/THRU GROUNDED CONDUCTOR.  
3/4" CONDUIT
- 2. (1) #12 AWG CU THRU/THRU UNGROUNDED CONDUCTOR.  
(1) #12 AWG CU THRU/THRU CENTRAL CONDUCTOR.  
(1) #12 AWG CU THRU/THRU GROUNDED CONDUCTOR.  
3/4" CONDUIT
- 3. (6) #14 AWG CU THRU/THRU UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THRU/THRU GROUNDED CONDUCTORS.  
(2) #14 AWG CU THRU/THRU SPARE CONDUCTORS.  
1" CONDUIT
- 4. RG-8U COAXIAL CABLE  
3/4" CONDUIT

INSTALLATION NOTES

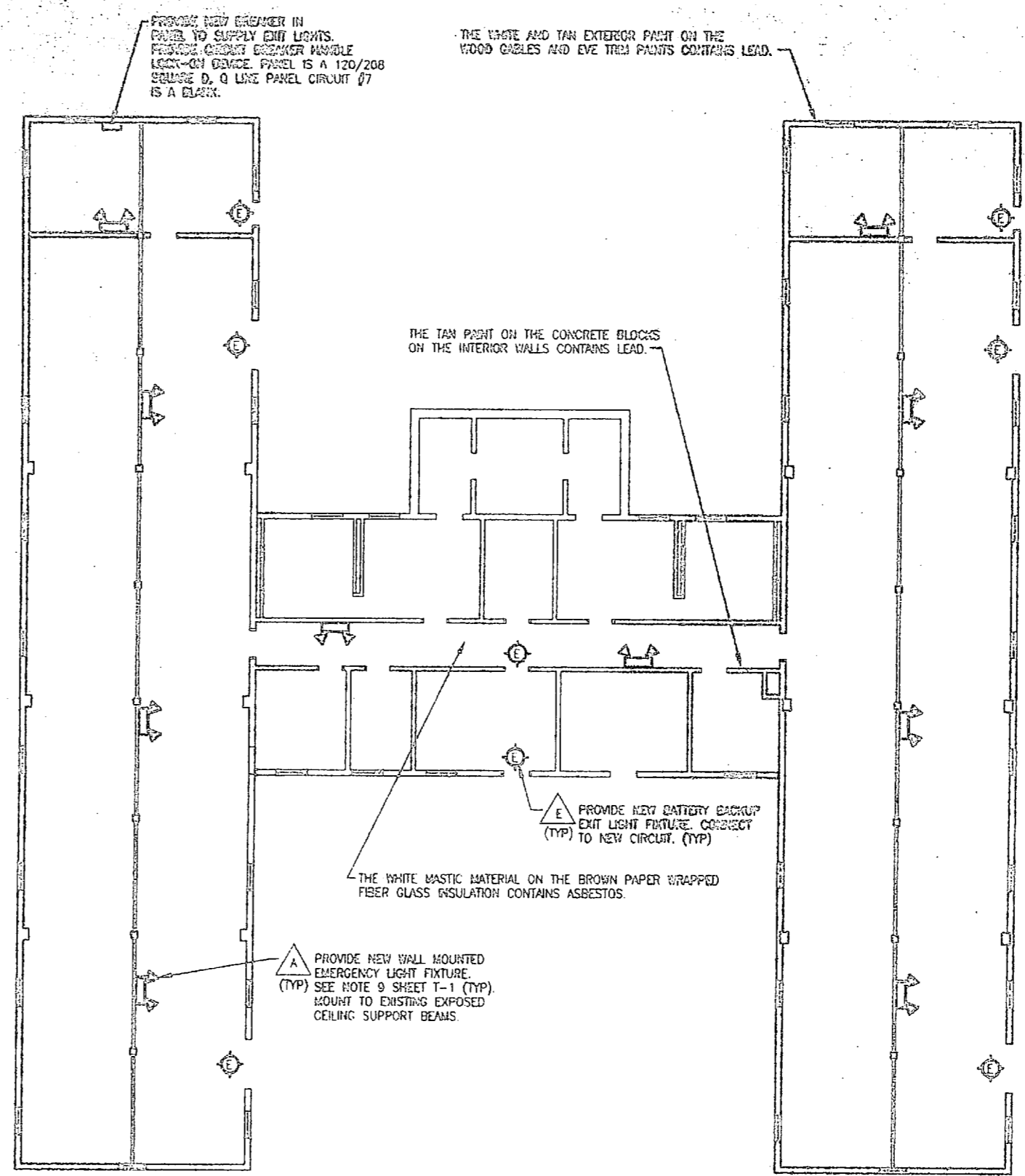
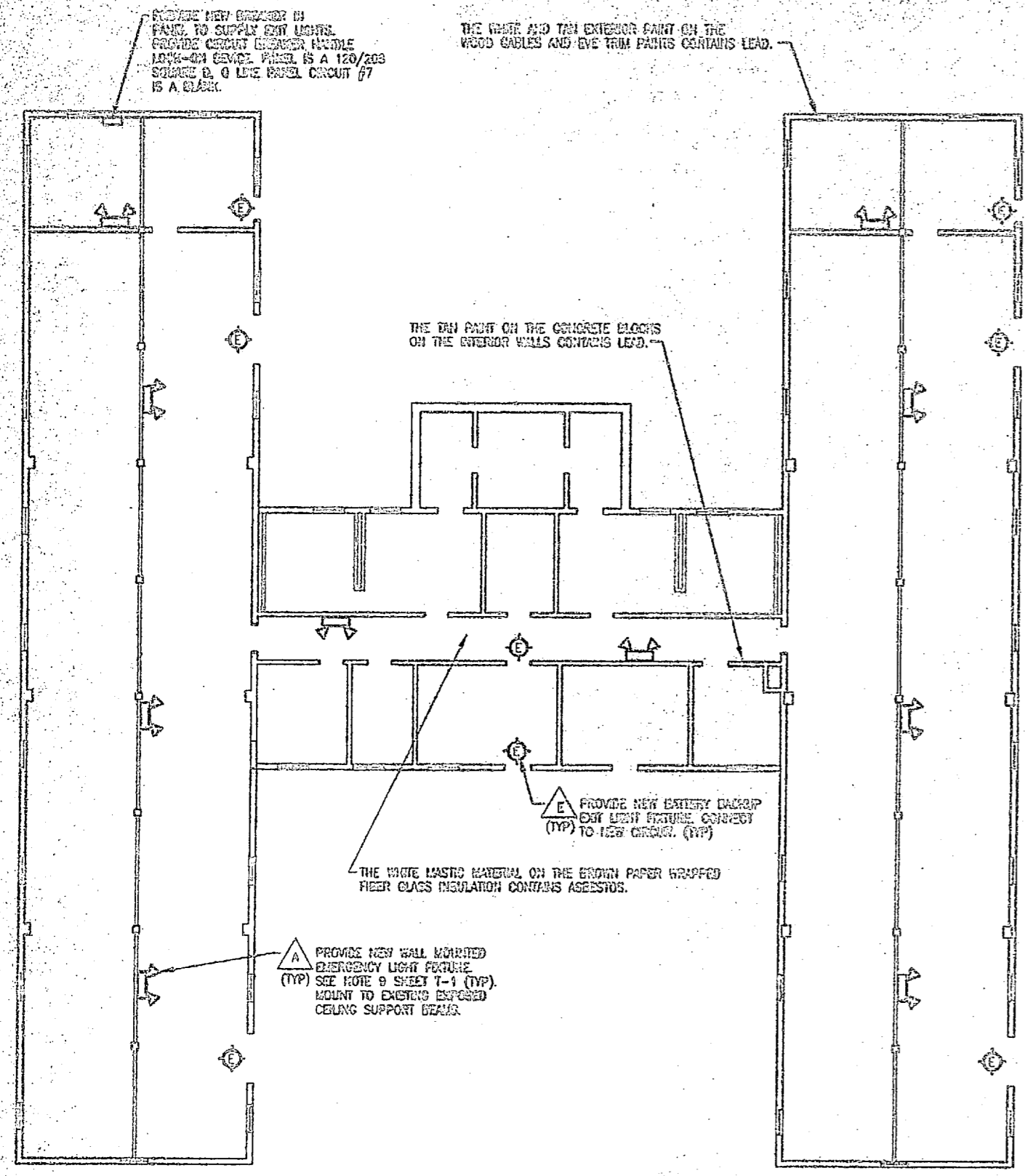
1. MOUNT NEW COMMERCIAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS SHOWN.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "F" IN MECHANICAL ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "F". PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, MANUAL / MUTE ALARMS SYSTEMS, AND FULL STATIONS AS SHOWN. PROVIDE PULL STATIONS TO TOP OF WALL. MOUNT MANUAL / MUTE ALARMS 1 FOOT BELOW EXISTING CEILING.
4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS SHOWN. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "F". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER WITH BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO EXISTING WALL MOUNTING BRACKET. MOUNT ANTENNA TO RFP IN CONDUIT.
5. INTERCONNECT EXISTING SMOKE DETECTOR SYSTEM WITH NEW FACP TO PROVIDE FLSM AND DETECTOR RETURN.
6. PROVIDE RELAY TO EXISTING FIRE SUPPRESSION CONTROL PANEL, AND FEEDBACK WIRING BACK TO FACP LOCATION.
7. MOUNT NEW E.I.R. LIGHTS TO EXISTING SIGN LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
8. MOUNT NEW EMERGENCY LIGHTING UNITS TO NEW LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO EXISTING WALL MOUNTING BRACKET. MOUNT ANTENNA TO RFP IN CONDUIT.
9. UNLESS SPECIFIED OTHERWISE, ALL WIRING SHALL BE IN CONDUIT. PROVIDE END OF LINE RESISTORS ON ALL FACP CIRCUITS. PROVIDE DASH LOCKS FOR GALLEY AND INTERCONNECT TO RASTERY. MARK ROSTERY TO MATCH EXISTING WALL PAPER. (UNLESS OTHERWISE NOTED).



<p>DESIGNED BY: [Signature]</p> <p>CHECKED BY: [Signature]</p> <p>DATE: [Date]</p>	<p>PROJECT NO. [Number]</p> <p>DATE: [Date]</p> <p>SCALE: [Scale]</p>	<p>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING FC-425 [Address] [City, State]</p>
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REVISIONS			
NO.	DESCRIPTION	DATE	APPROVE



1 BUILDING M-504 - FLOOR PLAN - INSTALLATION  
E-8 E-8  
1/8" = 1'-0"

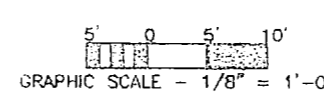
2 BUILDING M-516 - FLOOR PLAN - INSTALLATION  
E-8 E-8  
1/8" = 1'-0"

**INSTALLATION NOTES:**

1. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL TO EXIT LIGHTS. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
2. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH.
3. UTILIZE EXIT CONDUIT FROM NEW EXIT LIGHTS TO NEW 120V POWER SOURCE. PAINT CONDUIT TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED.)

**INSTALLATION NOTES:**

1. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL TO EXIT LIGHTS. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
2. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH.
3. UTILIZE EXIT CONDUIT FROM NEW EXIT LIGHTS TO NEW 120V POWER SOURCE. PAINT CONDUIT TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED.)

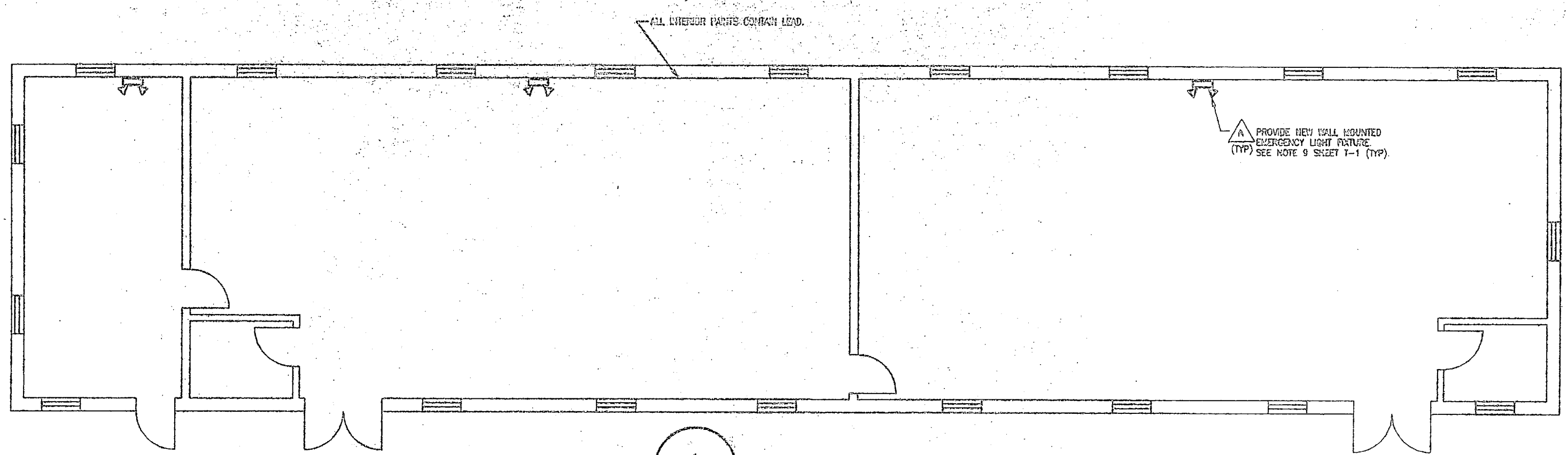


NAVY BUSINESS COPY COSTS DES. L/D CH. RGA CH. LMD SUPV. LMD CH. CH. L/D	DEPT. OF NAVY NAVAL FACILITIES ENGINEERING CENTER <b>MILITARY CONSTRUCTION COMPLIANCE NO.</b> <b>INSTALL FIRE ALARM SYSTEM</b> <b>VARIOUS LOCATIONS</b> BLDGS M-504 & M-516 PROJECT NO. N6270-10-00000 NAVAID DRAWING NO.
	AUTHORITY TO CONSTRUCT DATE: E 20091 NAVY SPEC 09-05-2011



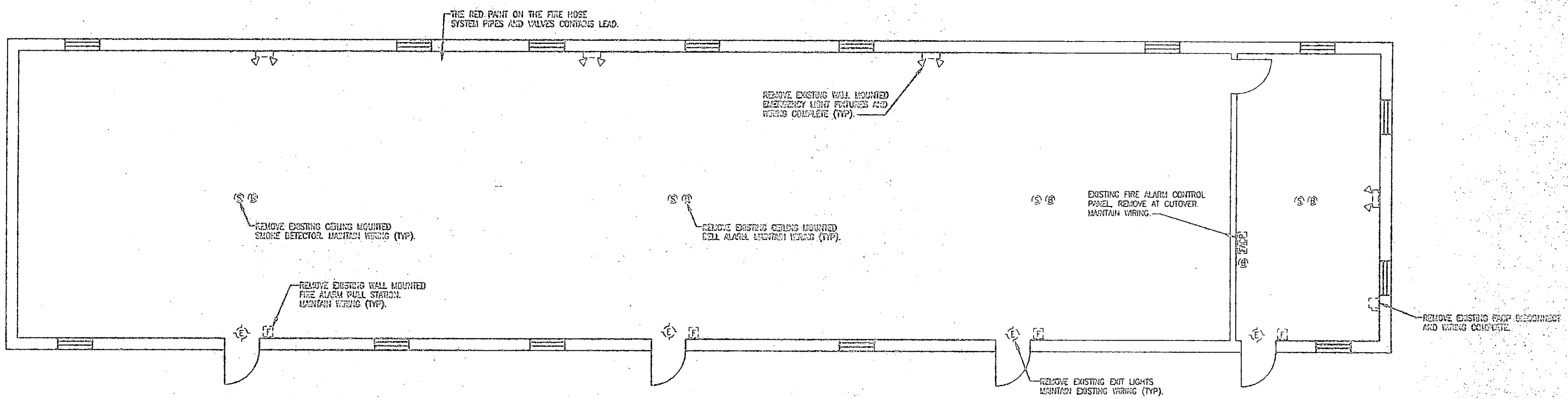
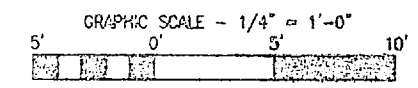


REVISIONS			
NO.	DATE	BY	APPROVED



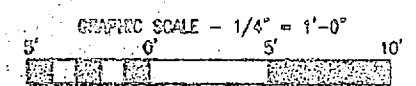
1 BUILDING M-229 - FLOOR PLAN - INSTALLATION  
1/4" = 1'-0"

INSTALLATION NOTES:  
1. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO THE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.



DEMOLITION NOTES:  
1. REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP).  
2. EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS.  
3. REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. MAINTAIN WIRING AND BOXES.  
4. REMOVE ALL EXISTING EXIT LIGHT FIXTURES. MAINTAIN EXISTING WIRING.  
5. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. REMOVE CONDUIT BY WALLS. PROVIDE BLANK COVER ON ALL ABANDONED ZONES.  
6. MAINTAIN EXISTING FIRE ALARM CONTROL SYSTEM UNTIL CUTOVER. MINIMIZE DOWNTIME. FIRE ALARM SYSTEM TO BE OPERATIONAL AT BEGINNING OF CUTOVER DAY.

2 BUILDING M-229 - FLOOR PLAN - DEMOLITION  
1/4" = 1'-0"



SEALED FOR THE CONTRACTOR

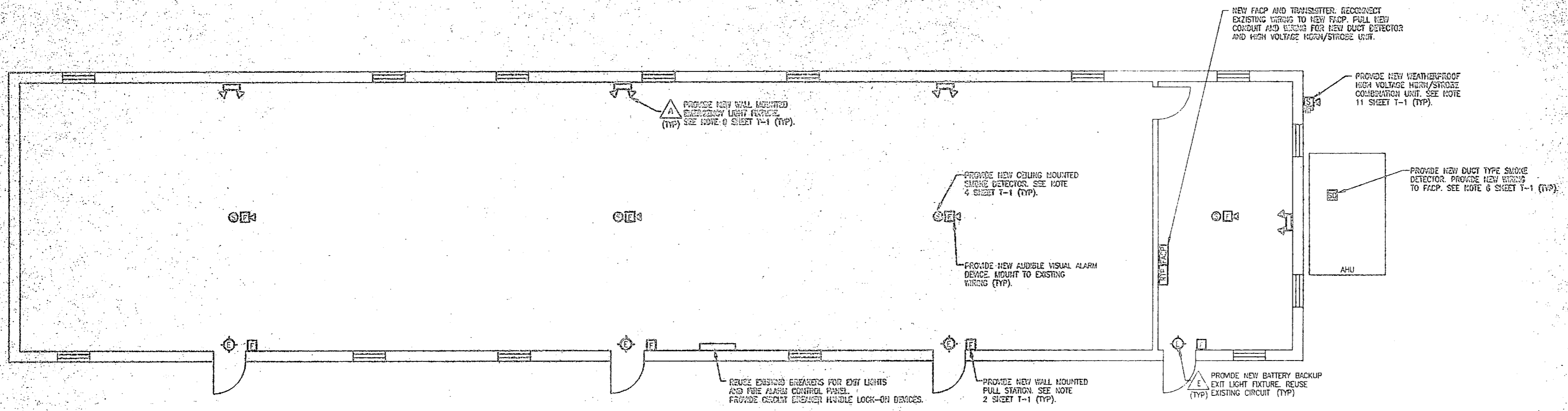


BIBELE & FLEDGER, P.A.

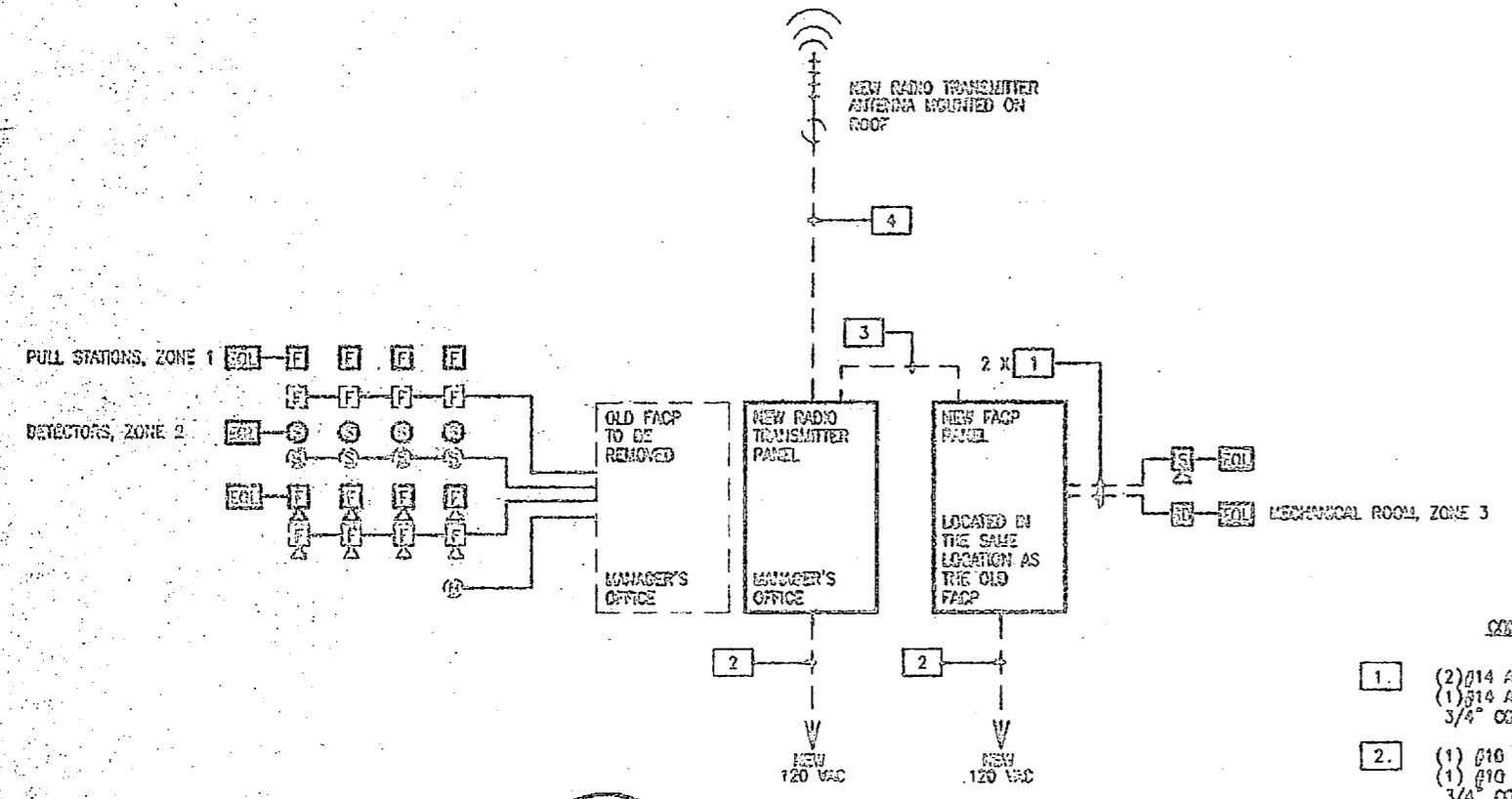
FACILITY CONTROLLED COPY ONLY		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
MARINE CORPS BASE CAMP LEAVE NC		INSTALL FIRE ALARM SYSTEM	
VARIOUS LOCATIONS		BLDGS. M-229 & M-223	
PROJECT NO.: 13-0000-00-00-0001		DRAWING NO.:	
DATE: 2008		SCALE: 1/4" = 1'-0"	
SATISFACTORY TO:		DATE:	



REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED



**BUILDING M-225 - FLOOR PLAN - INSTALLATION**  
 E-10 E-10  
 1/4" = 1'-0"

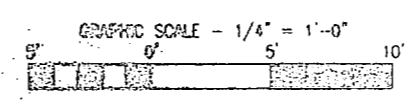


**BUILDING M-225 - ONE LINE DIAGRAM**  
 E-10 E-10  
 1/4" = 1'-0"

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

- CONDUIT AND CABLE SCHEDULE**
- (2) #14 AWG CU TRIP/TWIN UNGROUNDING CONDUCTORS.  
 (1) #16 AWG CU TRIP/TWIN GROUNDING CONDUCTOR  
 3/4" CONDUIT
  - (1) #10 AWG CU TRIP/TWIN UNGROUNDING CONDUCTOR.  
 (1) #10 AWG CU TRIP/TWIN GROUNDING CONDUCTOR.  
 3/4" CONDUIT
  - (8) #14 AWG CU TRIP/TWIN UNGROUNDING CONDUCTORS.  
 (1) #14 AWG CU TRIP/TWIN GROUNDING CONDUCTORS.  
 (2) #14 AWG CU TRIP/TWIN SPARE CONDUCTORS.  
 1" CONDUIT
  - RG-59 COAXIAL CABLE  
 3/4" CONDUIT

- INSTALLATION NOTES:**
- MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
  - PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN THE EXISTING PANEL FOR FACP POWER. PROVIDE BREAKER LOCK-ON DEVICE.
  - PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT AUDIBLE / VISUAL ALARMS ON EXISTING CEILING AS INDICATED.
  - MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT AS SPECIFIED.
  - MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE FOR ALL EXIT LIGHT CIRCUITS.
  - MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.



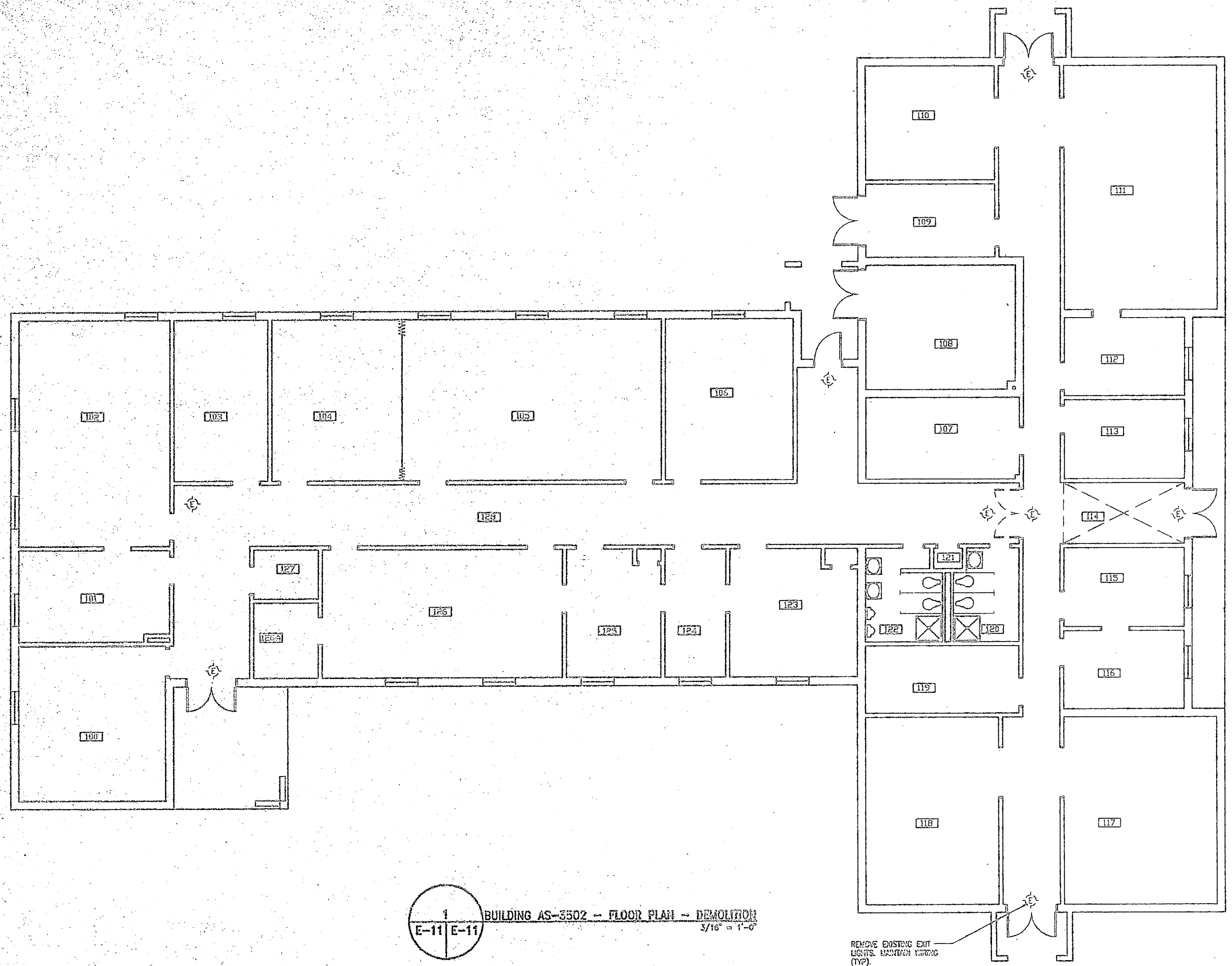
CHAS. E. SMITH  
 ENGINEER & ARCHITECT, P.A.



FACILITY PROJECTS EST 613 10		DEPT OF NAVY	
DES LMD		NAVAL FACILITIES ENGINEERING CENTER	
DR ALC		NAVAL FACILITIES ENGINEERING CENTER	
CHK LMD		NAVAL FACILITIES ENGINEERING CENTER	
SHPW LMD		NAVAL FACILITIES ENGINEERING CENTER	
BY CH LMD		NAVAL FACILITIES ENGINEERING CENTER	
APPROVED BY	DATE	SIZE	NO. SHEETS
F	6/25/91	F	60591
SATISFACTORY TO	DATE	DRAWING NO.	
		INSTALL FIRE ALARM SYSTEM VARIOUS LOCATIONS BUILDING M-225 PROJECT NO. N62479-00-2-1411	

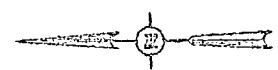


REVISIONS			
SUMMARY	DESCRIPTION	DATE	APPROVED



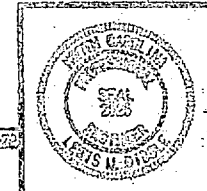
1 BUILDING AS-3502 -- FLOOR PLAN -- DEMOLITION  
 E-11 E-11 3/16" = 1'-0"

REMOVE EXISTING EXIT LIGHTS. RELOCATE LIGHTS (TY).



GRAPHIC SCALE - 3/16" = 1'-0"  
 5' 0' 5' 10'

NOT SUBMITTAL ON ANY USE FOR CONSTRUCTION



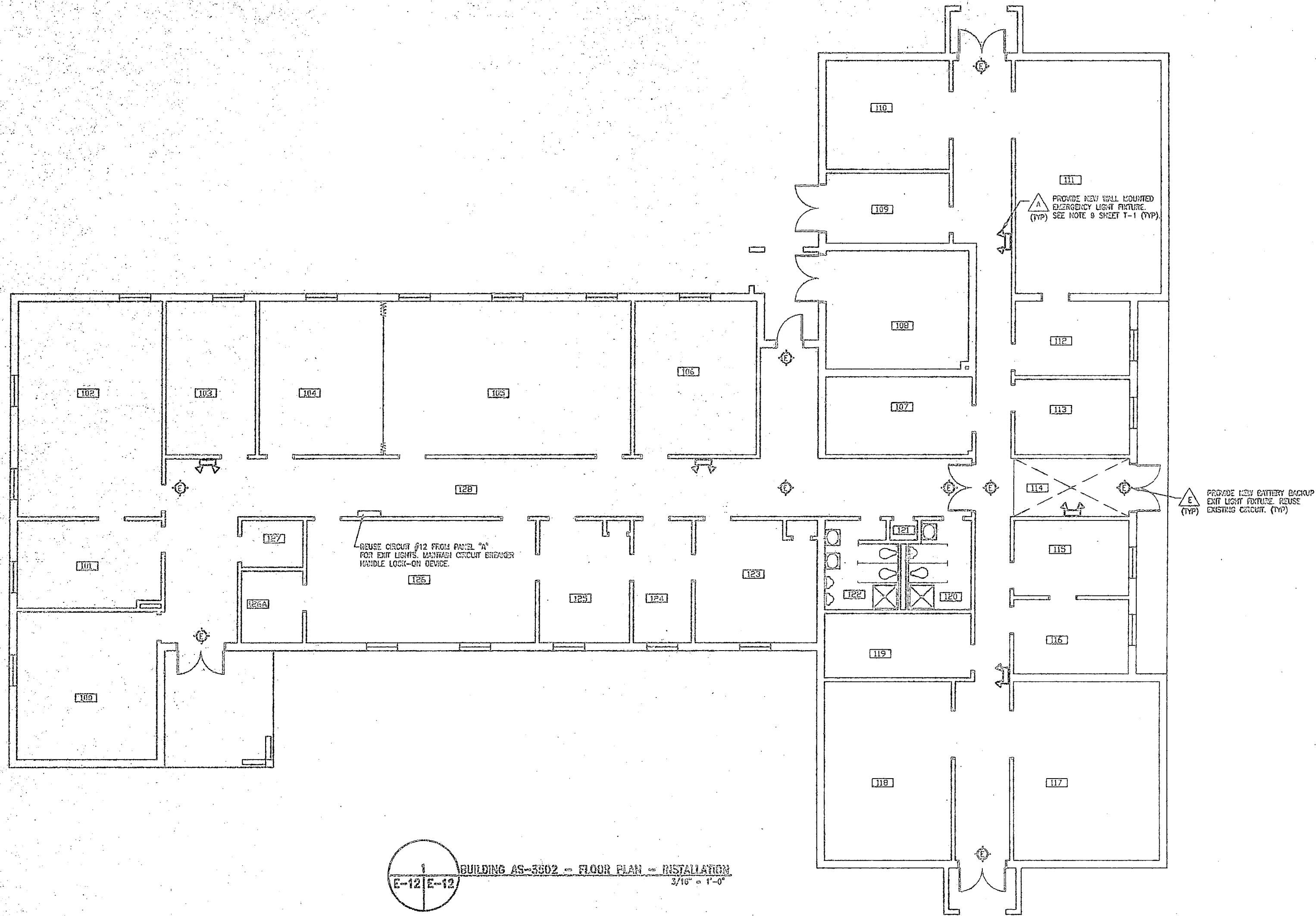
ENGINEER  
 CHRIS M. PLEDGE, P.E.

DESIGNED BY	LD	DATE	05-23-11
DRAWN BY	LD	DATE	05-23-11
CHECKED BY	LD	DATE	05-23-11
APPROVED BY	LD	DATE	05-23-11
PROJECT NO.	N22470-01-B-0415		
PROJECT NAME	INSTALL FIRE ALARM SYSTEM VARIOUS LOCATIONS BUILDING AS-3502		
SCALE	AS SHOWN		

Sheet 11 of 11



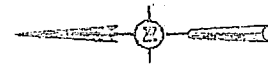
REVISIONS	DATE	BY	APPROVED



**E-12 | E-12** BUILDING AS-3502 - FLOOR PLAN - INSTALLATION  
3/16" = 1'-0"

**INSTALLATION NOTES:**

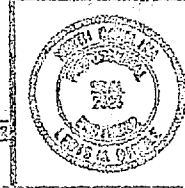
1. LOCATE NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
2. LOCATE NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.



GRAPHIC SCALE - 3/16" = 1'-0"  
0' 5' 10'

DESIGNED BY  
BIBBLE & PLEDGER, P.A.

FOR SERVICE TO THE NAVY FOR CONSTRUCTION



PROJECT NO. 152470-15-5-2411	DATE 05-15-1981
DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
PROJECT NO. 152470-15-5-2411	DATE 05-15-1981

**E-12**

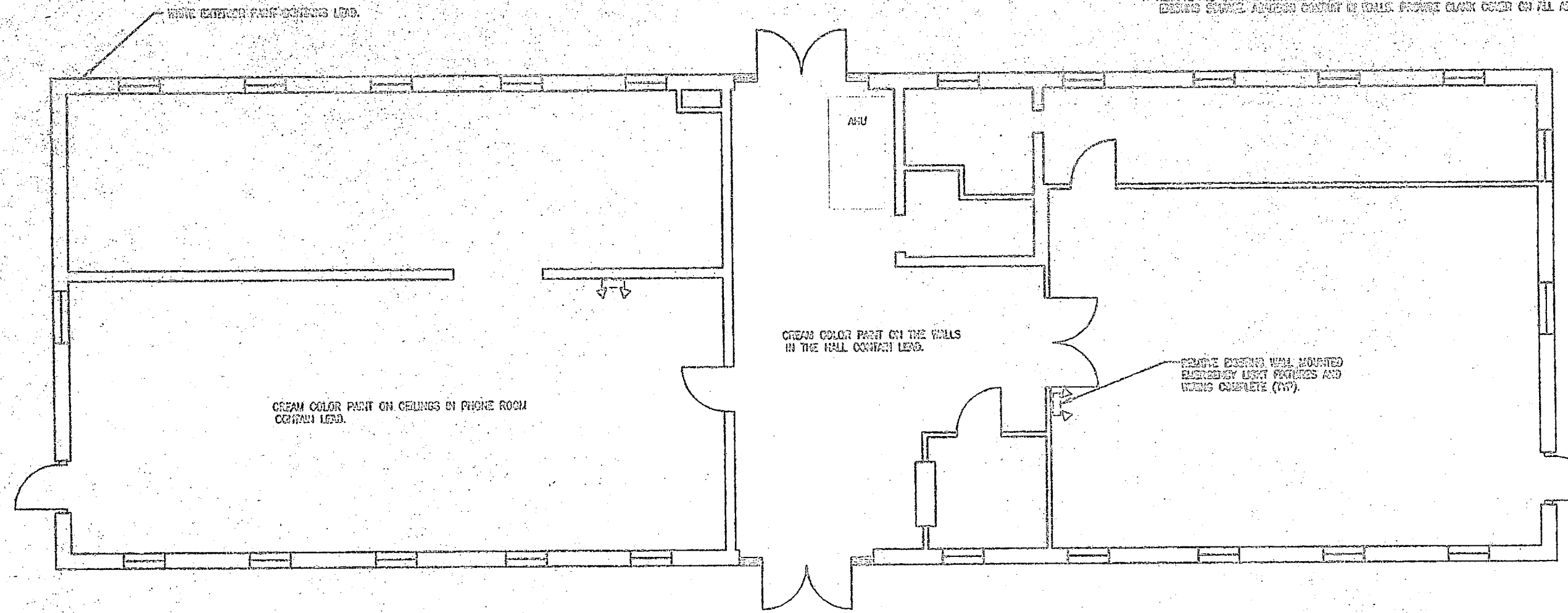
NAVY FACILITIES ENGINEERING COMMAND  
MARINE CORPS BASE CAMP LEASE, NC  
INSTALL FIRE ALARM SYSTEM  
VARIOUS LOCATIONS  
BUILDING AS-3502  
PROJECT NO. 152470-15-5-2411



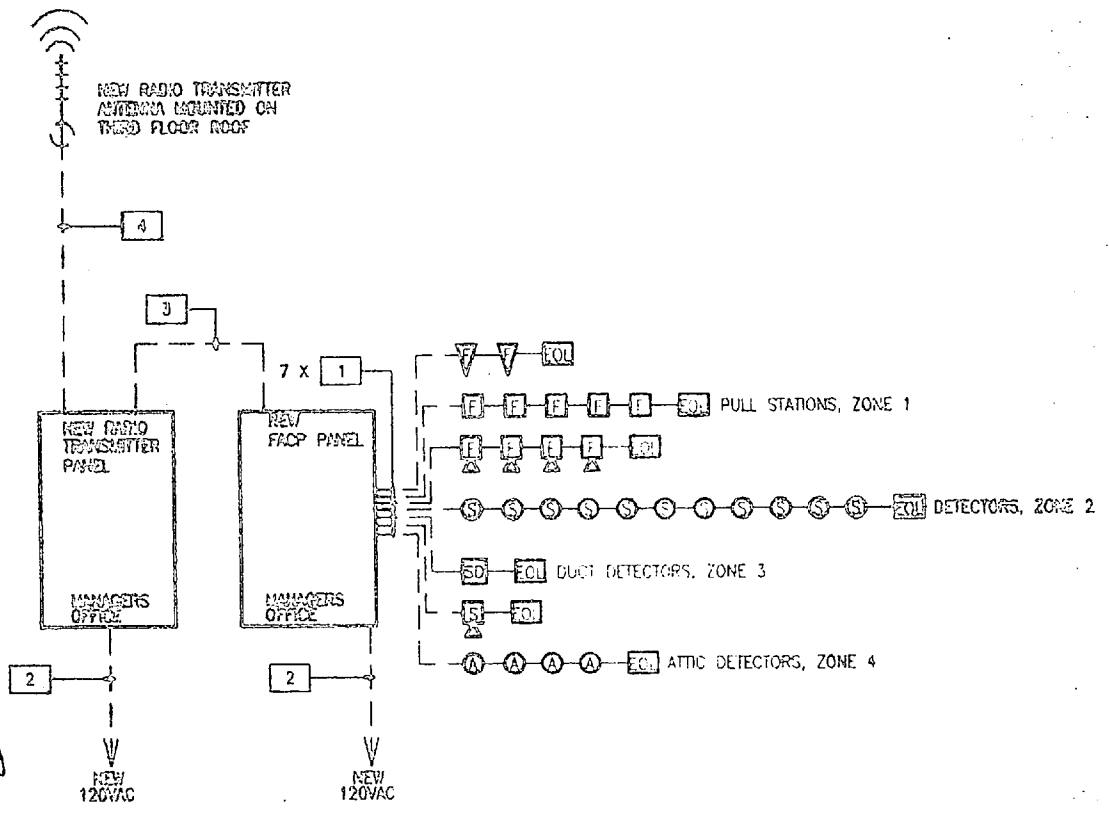


SYM	ZONE	DESCRIPTION	DATE	APPROVED

REVISIONS  
 1. PROVIDE ALL WIRING NEARBY UNLESS SHOWN OTHERWISE. REMOVE WIRING FROM UNNECESSARY TO EXISTING SYSTEM. ADDRESS CHANGE IN WIRING. PROVIDE CLEAN WORK ON ALL ASSIGNED BOXES.



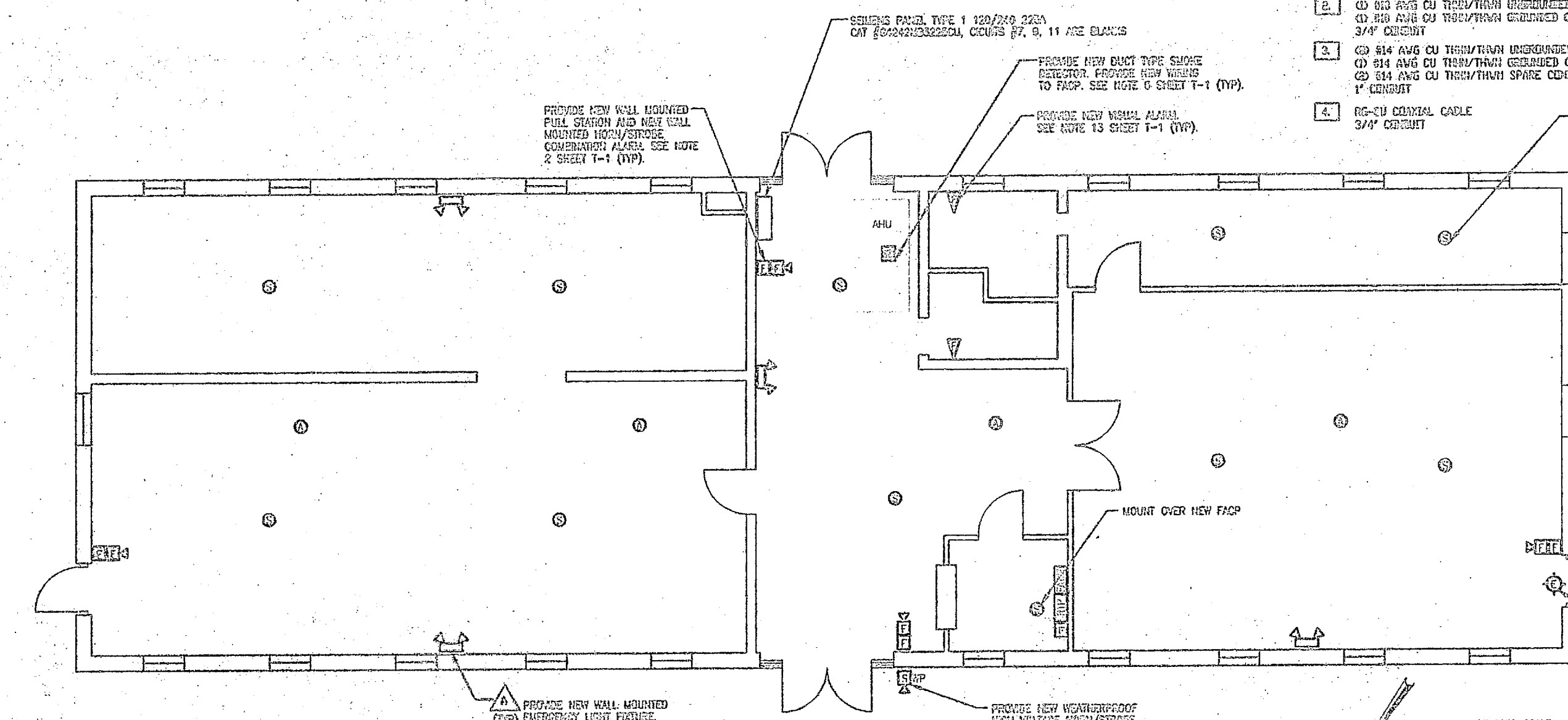
1 BUILDING 403 - DEMOLITION  
 E-13 E-13  
 1/4" = 1'-0"



3 BUILDING 403 - ONE LINE DIAGRAM  
 E-13 E-13  
 NTS

- CONDUIT AND CABLE SCHEDULE
- 1. ① 814 AVG CU THRU/WALL UNINSULATED CONDUCTOR. ② 814 AVG CU THRU/WALL GROUNDING CONDUCTOR. 3/4" CONDUIT
  - 2. ① 812 AVG CU THRU/WALL UNINSULATED CONDUCTOR. ② 812 AVG CU THRU/WALL GROUNDING CONDUCTOR. 3/4" CONDUIT
  - 3. ① 814 AVG CU THRU/WALL UNINSULATED CONDUCTOR. ② 814 AVG CU THRU/WALL GROUNDING CONDUCTOR. 1" CONDUIT
  - 4. RG-59 COAXIAL CABLE. 3/4" CONDUIT

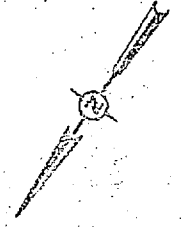
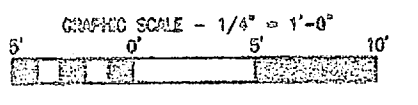
PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.



2 BUILDING 403 - INSTALLATION  
 E-13 E-13  
 1/4" = 1'-0"

INSTALLATION NOTES

1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL ACROSS THE HALL FROM THE AHU. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL ACROSS THE HALL FROM THE AHU. PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL ACROSS THE HALL FROM AHU. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP BY CONDUIT.
5. MOUNT NEW EXIT LIGHT BOX IN LOCATION AS SHOWN. PROVIDE NEW CONDUIT AND WIRING TO NEW 20A 1 POLE CIRCUIT BREAKER IN EXISTING PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
6. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
7. UTILIZE SUSPENDED CEILING AREA TO ROUTE EXIT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED).
8. ALL PIPE INSULATION IN THE ATTIC CONTAINS ASBESTOS.
9. INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.



90% SUBMITTAL  
 DO NOT USE FOR  
 CONSTRUCTION

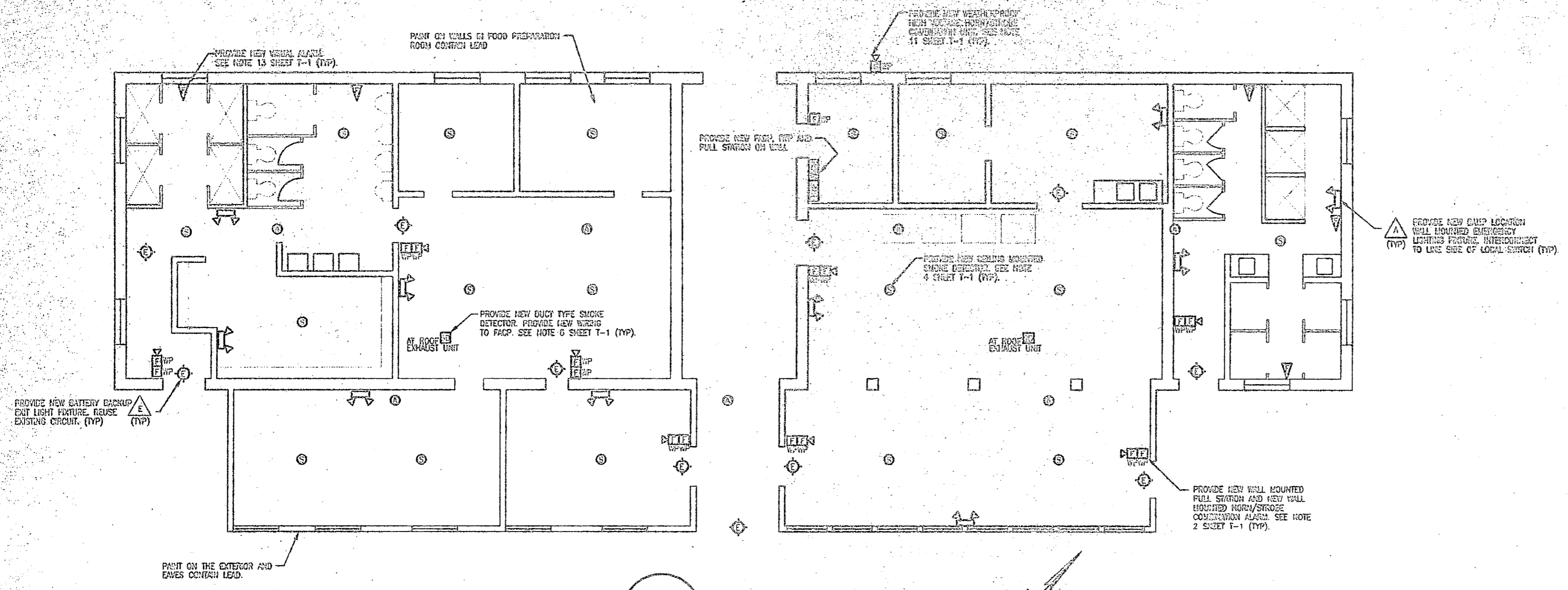


FACILITY ENGINEERING DEPT DESK NO.	DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND
DESIGNER: LMD	DATE: 05-24-81
DR: RCA	PROJECT NO. N52470-89-B-4411
CHK: LMD	PROJECT TITLE: INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 403
SUPV: LMD	PROJECT NO. N52470-89-B-4411
IN CH: LMD	PROJECT TITLE: INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 403
APPROVED FOR OR DATE	NAVYAC DRAWING NO.
SATISFACTORY TO: DATE	SCALE: AS SHOWN
	DATE: 05-24-81

E-13

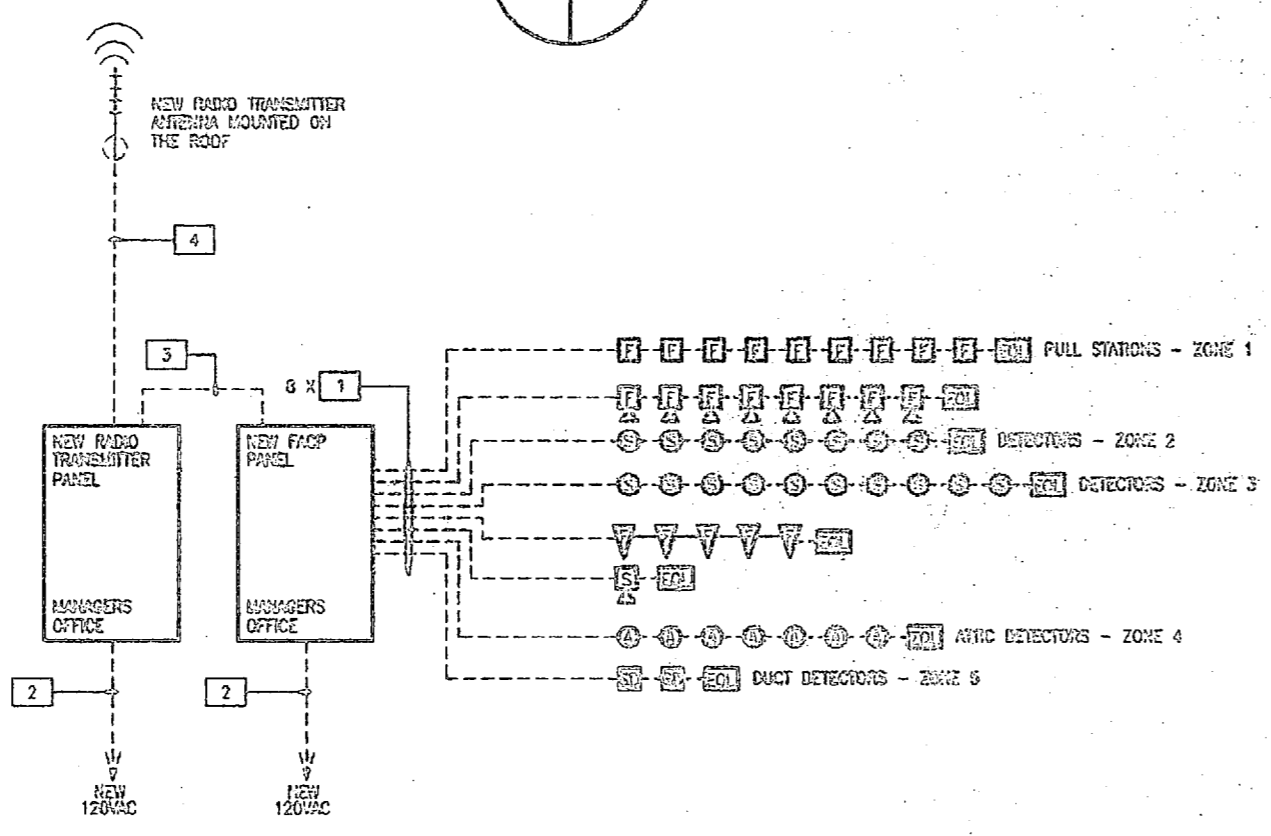


REVISIONS	
NO.	DESCRIPTION



BUILDING BA-113 FLOOR PLAN - INSTALLATION  
1/4" = 1'-0"

- CONDUIT AND CABLE SCHEDULE**
- (6) #14 AWG CU THRU/THIN UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THRU/THIN GROUNDED CONDUCTOR.  
3/4" CONDUIT
  - (1) #10 AWG CU THRU/THIN UNGROUNDED CONDUCTOR.  
(1) #10 AWG CU THRU/THIN GROUNDED CONDUCTOR.  
3/4" CONDUIT
  - (8) #14 AWG CU THRU/THIN UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THRU/THIN GROUNDED CONDUCTORS.  
(2) #14 AWG CU THRU/THIN SPARE CONDUCTORS.  
1" CONDUIT
  - 62-CU COAXIAL CABLE  
3/8" CONDUIT



BUILDING BA-113 - ONE LINE DIAGRAM  
1/8"

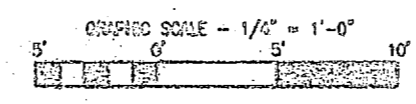
PROVIDE CIRCUIT EXTENDER HANDLE LOCK-ON DEVICES TO ALL RACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.

PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.

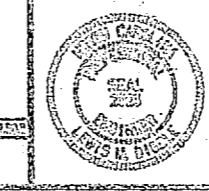
PROVIDE NEW END OF LINE RESISTORS ON ALL RACP CIRCUITS.

**INSTALLATION NOTES**

- MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (RACP) IN OFFICE LOCATION AS INDICATED.
- PROVIDE (2) NEW CIRCUITS FOR RACP & TRANSMITTER. TRUCK TYPE (REMOVABLE AT THIS TIME DUE TO CURRENT REMODELING IN PROGRESS). PROVIDE EXTENDER LOCK-ON DEVICE.
- PROVIDE NEW FIRE ALARM BELLS INCLUDING FULL STATIONS, ANGLE / VISUAL ALARMS. SURFACE MOUNT FULL STATIONS AS 84" ABOVE FINISHED FLOOR TO TOP OF EOM. MOUNT ANGLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
- MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL ACROSS THE HALL FROM ABB. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE EXTENDER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP BY CONDUIT.
- MOUNT NEW EXIT LIGHT ON IN LOCATION AS SHOWN. INTERCONNECT TO EXISTING WIRING. PROVIDE EXTENDER LOCK-ON DEVICE.
- MOUNT NEW EMERGENCY LIGHTING FEATURE TO NEW LOCKING. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
- THE CEILING OF PORTIONS OF THE BUILDING AND THE PANEL WALL, SEPARATIONS IN THE REST ROOMS CONTAIN ASBESTOS.
- THE CLOTH WRAPPED PAPER FIRE INSULATION THROUGH OUT THE BUILDING CONTAINS ASBESTOS. THE MATERIAL SHOULD NOT BE AFFECTED BY THIS PROJECT. HOWEVER, THE MATERIAL SHOULD BE PROTECTED FROM IMPACT DAMAGE.
- INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE AIRC AS SHOWN. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW RACP LOCATION.



DESIGNED BY  
DIBBLE & FLEISHER, P.A.



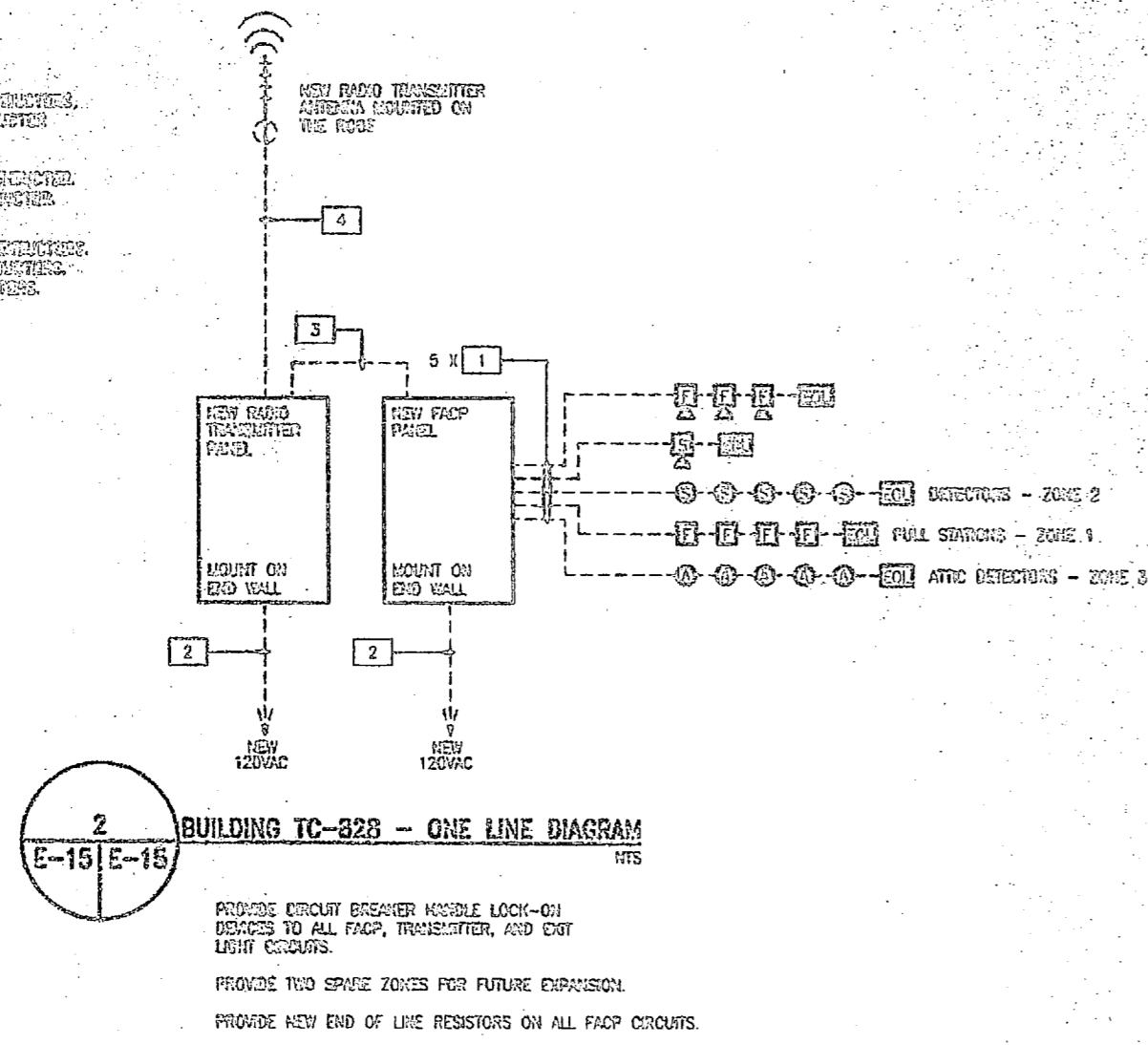
DRAWN BY: LMD CHECKED BY: RGA DATE: 1/20/01 PROJECT NO.: 00081	DEPT. OF NAVY NAVAL FACILITIES ENGINEERING COMMAND BRIDGE-CRANE-PAGE-CABLE-REPAIR INC. <b>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING BA-113</b> PROJECT NO. NS2470-08-E-4411 NAVFAC BRIDGE NO.
---	--

E-14



REVISIONS	
NO.	DESCRIPTION

- GENERAL AND OTHER NOTES**
- CONFORM TO THE NATIONAL ELECTRICAL CODE, 1999 EDITION, AND ALL APPLICABLE REGULATORY AGENCIES.
  - CONFORM TO THE NATIONAL ELECTRICAL CODE, 1999 EDITION, AND ALL APPLICABLE REGULATORY AGENCIES.
  - CONFORM TO THE NATIONAL ELECTRICAL CODE, 1999 EDITION, AND ALL APPLICABLE REGULATORY AGENCIES.
  - CONFORM TO THE NATIONAL ELECTRICAL CODE, 1999 EDITION, AND ALL APPLICABLE REGULATORY AGENCIES.
  - CONFORM TO THE NATIONAL ELECTRICAL CODE, 1999 EDITION, AND ALL APPLICABLE REGULATORY AGENCIES.



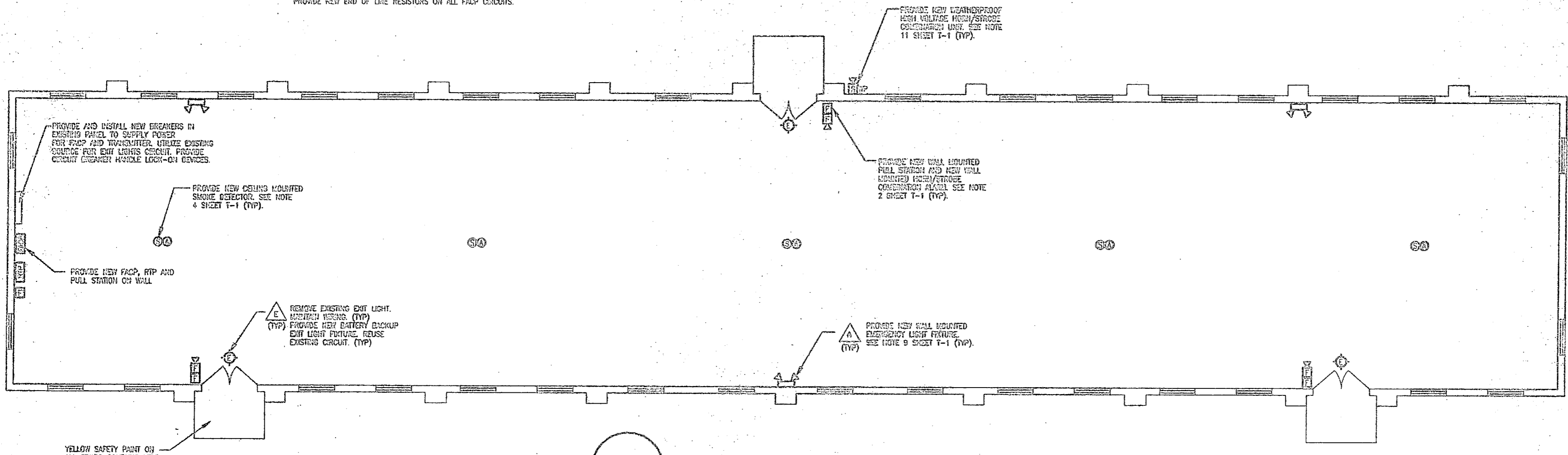
**DEMOLITION NOTES**

- REMOVE ALL EXISTING EXIT LIGHT FIXTURES. MAINTAIN EXISTING WIRING.
- THE SHEET CONTAINS AND IN THE CEILING OF THE BUILDING CONTAINS ASBESTOS.

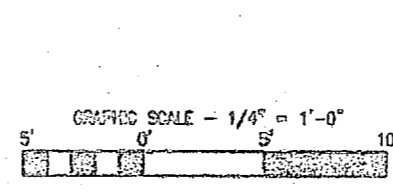
THE CEILING MATERIAL IS IN VERY POOR CONDITION DUE TO WATER DAMAGE AND IT IS RECOMMENDED THAT THE BUILDING BE SEALED OFF FROM ANY PERSONNEL OR WORK UNTIL MATERIAL IS REMOVED.

- INSTALLATION NOTES**
- REMOVE NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) AS INDICATED.
  - PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
  - PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT FULL STATIONS AT 5' ABOVE FINISHED FLOOR TO TOP OF EX. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
  - REMOVE NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CENTER FEEDER FROM EXISTING PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH HEAVY DUTY EMERGENCY. ROUTE COAXIAL CABLE TO RTP IN OFFICE.
  - REMOVE NEW EXIT LIGHTS TO EXISTING EX. LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
  - REMOVE NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH.
  - UTILIZE SURFACE METAL RACEWAY FROM NEW FACP TO NEW DEVICE LOCATIONS. PROVIDE BACK EDGES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH UNLESS OTHERWISE NOTED.

*ATTIC NOTE  
DETECTORS*



**1 BUILDING TC-828 - FLOOR PLAN - DEMOLITION/INSTALLATION**  
1/8" = 1'-0"



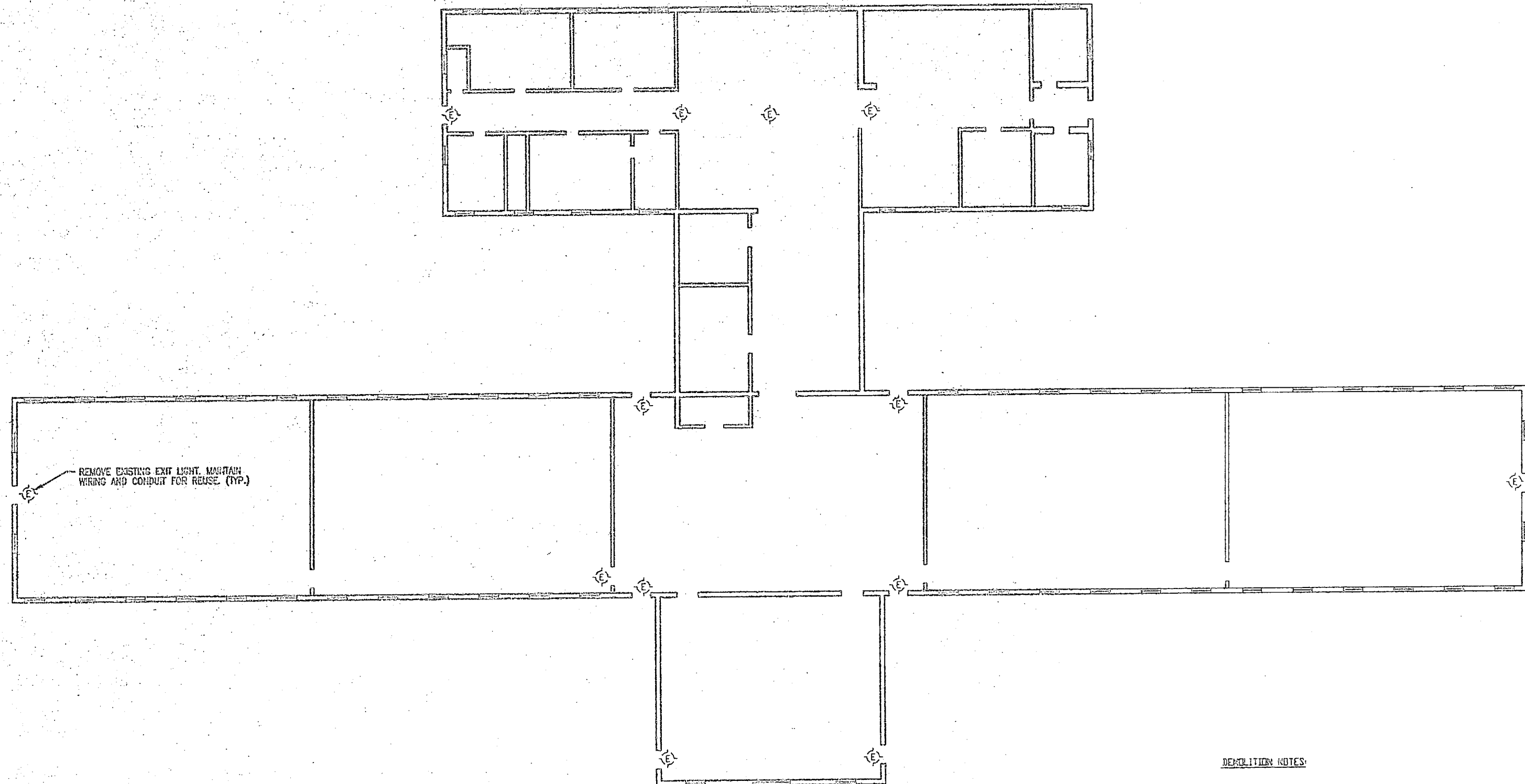
90% SUBMITTAL  
DO NOT USE FOR  
CONSTRUCTION

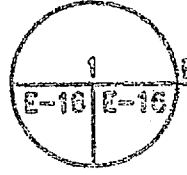
FACILITY DESIGNER: DEPT 680 110	DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND
DES: LMD	MARKER CORP BASE CAMP LEASE INC.
DR: ALC	INSTALL FIRE ALARM SYSTEM,
ESC: LMD	VARIOUS LOCATIONS
BUY: LMD	BLDG. TC-828
BY: LMD	PROJECT NO. 132478-03-D-4211
APPROVED BY: DATE	DATE: 08/04/04
SATISFACTORY TO: DATE	DATE: 08/04/04

**E-15**



NO.	REVISIONS



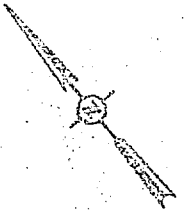

**BUILDING M-101 - FLOOR PLAN - DEMOLITION**  
 1/8" = 1'-0"

**DEMOLITION NOTES:**

1. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.
2. THE WHITE EXTERIOR PAINT, BEIGE WALL PAINT, AND LIGHT & DARK GRAY PAINT CONTAINS LEAD.
3. THERE IS TRANSITE PANELS ON THE WALLS OF THE MECHANICAL ROOM AND USED AS FIRE WALLS IN THE ATTIC CERTAINS ASBESTOS.
4. THE WALLS OF THE HALL TO THE MECHANICAL ROOM CEILING TILES GLUED TO THE WALLS WITH A GLUE THAT CONTAINS ASBESTOS.

**E-16**

GRAPHIC SCALE - 1/8" = 1'-0"  
 5' 0' 5' 10'



THIS DOCUMENT  
 IS NOT TO BE USED FOR  
 CONSTRUCTION



DESIGNED BY  
**DEBLE & PLEDGER, P.A.**

FACILITY ADDRESS (SEE 101)		DEPT OF NAVY		NAVAL FACILITIES ENGINEERING COMMAND	
NAME OF PROJECT		NAVAL CONSTRUCTION CENTER			
DESIGN UNIT		INSTALL FIRE ALARM SYSTEM,			
CONTRACT NO.		VARIOUS LOCATIONS			
PROJECT NO.		BUILDING M-101			
DATE		PROJECT NO. NSR472-86-8-1403			
APPROVED BY		DATE		DESIGNED BY	
SAFETY TO		DATE		DRAWN BY	
SCALE		PROJECT NO.		SHEET NO.	





REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

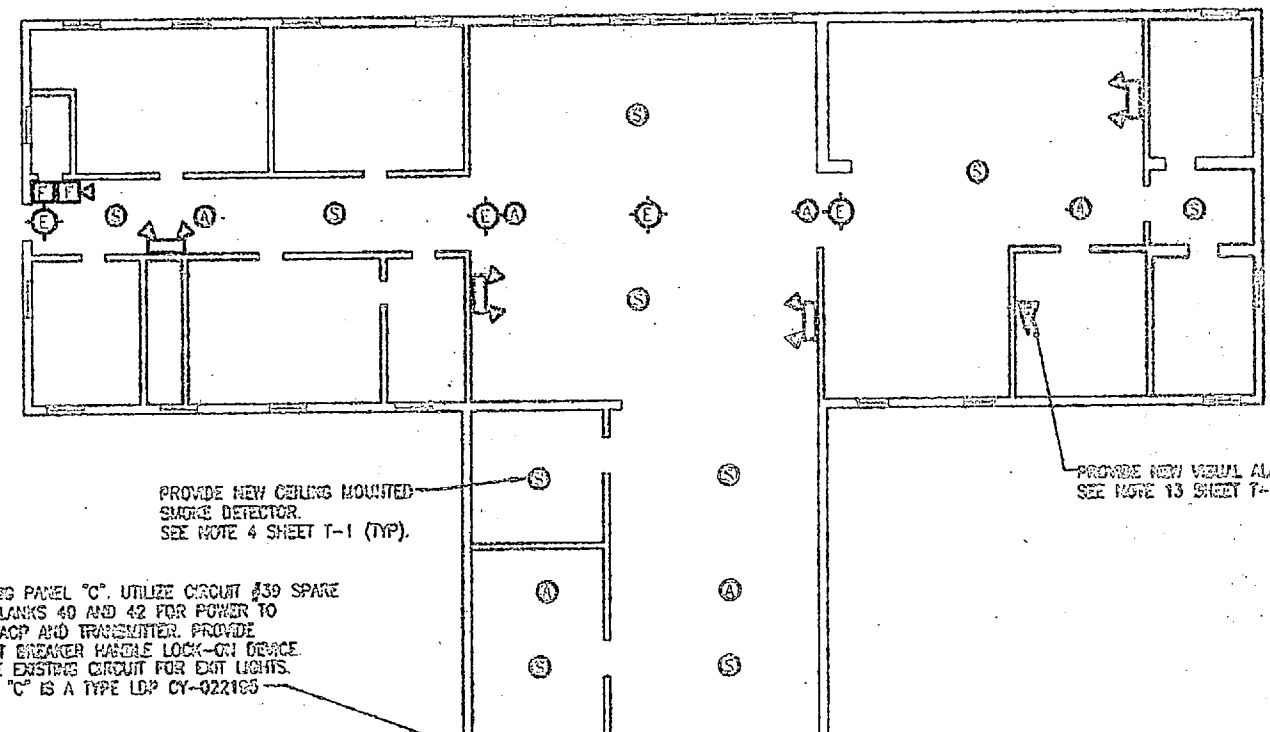
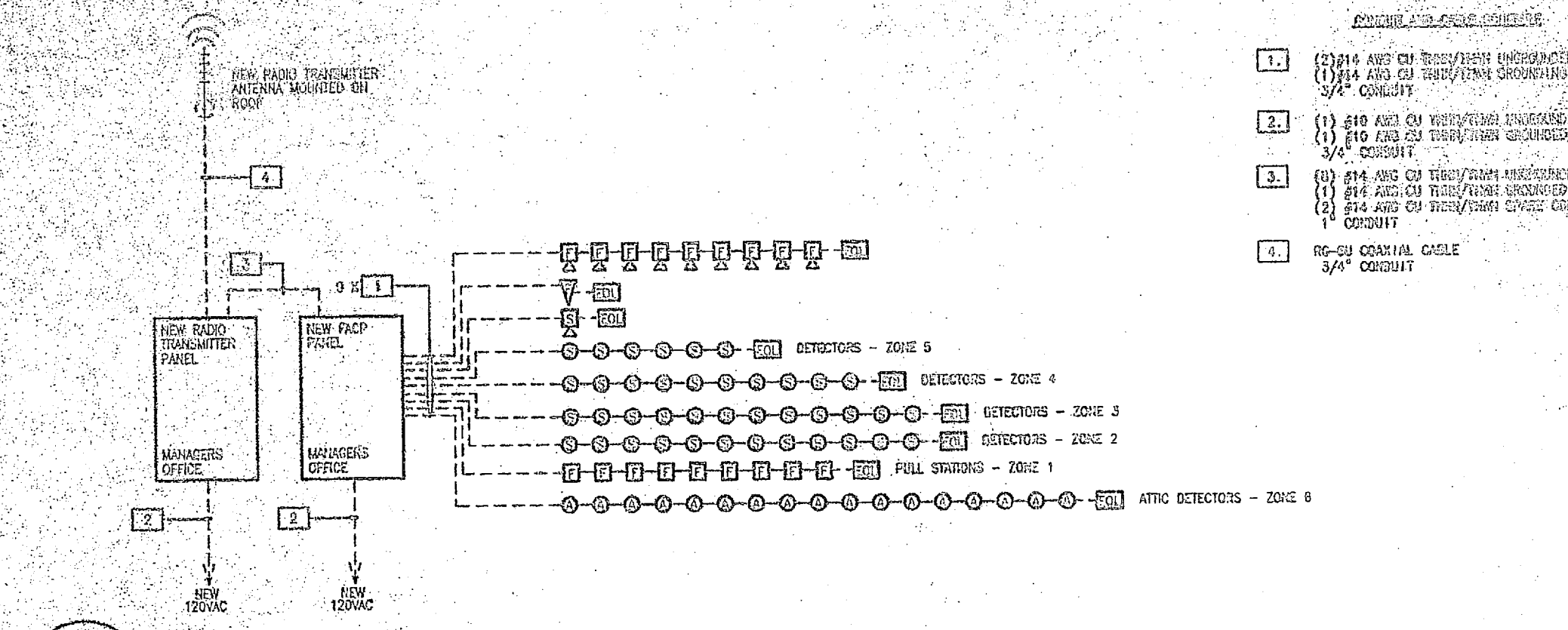
- NOTES AND SPECIFICATIONS
- (2) #14 AWG CU THRU/THRU UNGROUNDING CONDUCTORS,  
(1) #14 AWG CU THRU/THRU GROUNDING CONDUCTOR  
3/4" CONDUIT
  - (1) #10 AWG CU THRU/THRU UNGROUNDING CONDUCTOR,  
(1) #10 AWG CU THRU/THRU GROUNDING CONDUCTOR  
3/4" CONDUIT
  - (1) #14 AWG CU THRU/THRU UNGROUNDING CONDUCTORS,  
(1) #14 AWG CU THRU/THRU GROUNDING CONDUCTORS,  
(2) #14 AWG CU THRU/THRU SPARE CONDUCTORS,  
1" CONDUIT
  - RG-59 COAXIAL CABLE  
3/4" CONDUIT

INSTALLATION NOTES:

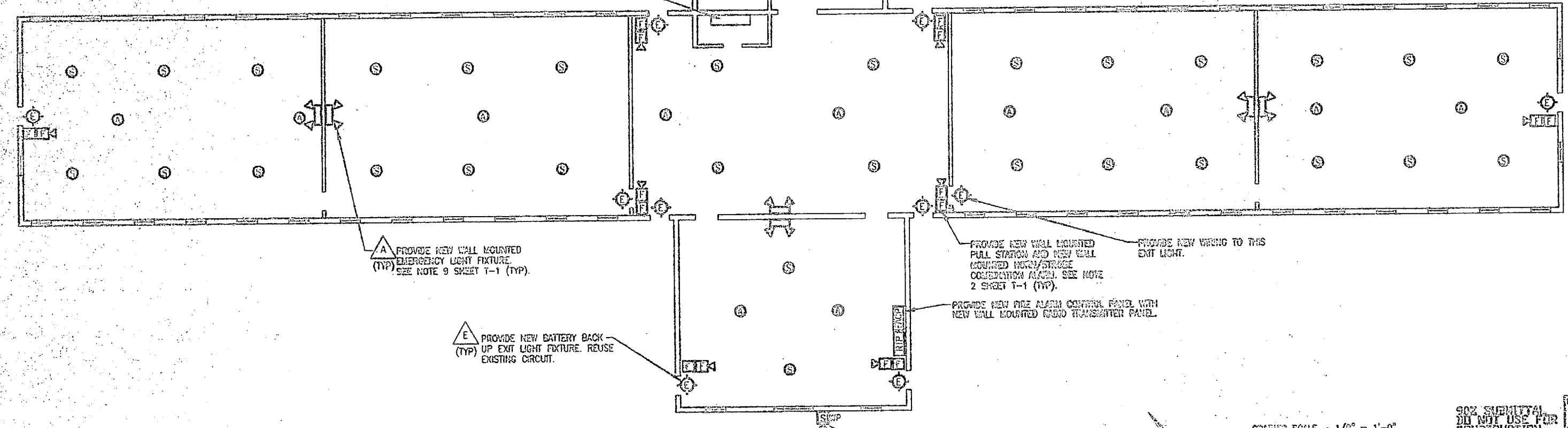
- MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
- PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "C" IN ELECTRICAL ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "C". PROVIDE BREAKER LOCK-ON DEVICE.
- PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, VISUAL ALARMS, AND AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 34" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT VISUAL ALARMS AND AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
- MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "C". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
- MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
- MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
- UTILIZE THE SUSPENDED CEILING AREA WHEN POSSIBLE TO ROUTE EMT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK EDGES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)
- INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.

**2 BUILDING M-101 - ONE LINE DIAGRAM**  
NYS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.



EXISTING PANEL "C" UTILIZE CIRCUIT #39 SPARE AND BLANKS 40 AND 42 FOR POWER TO NEW FACP AND TRANSMITTER. PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICE. UTILIZE EXISTING CIRCUIT FOR EXIT LIGHTS. PANEL "C" IS A TYPE LDP CY-922165.



**1 BUILDING M-101 - FLOOR PLAN - INSTALLATION**  
1/8" = 1'-0"

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

NOT FOR USE FOR CONSTRUCTION

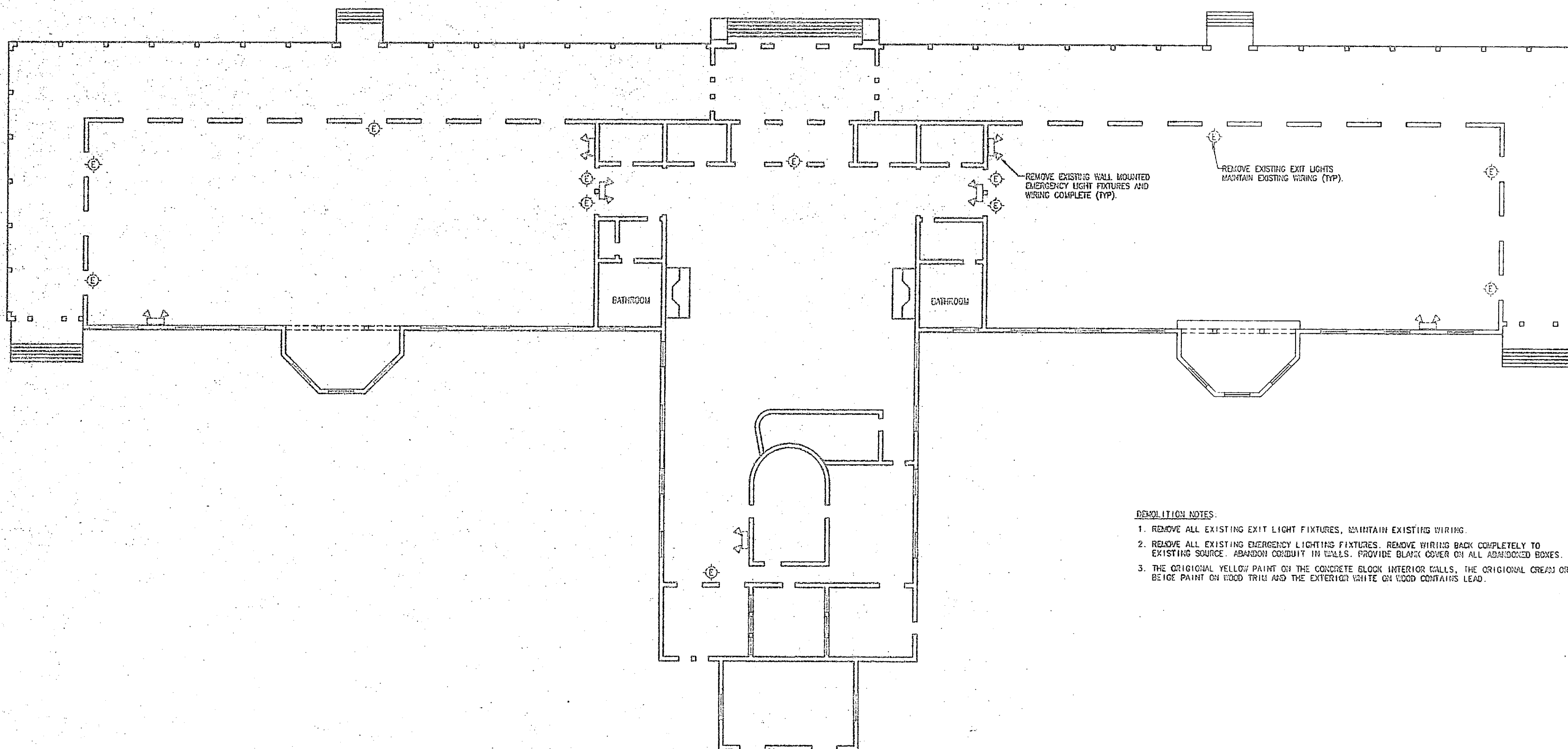


DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND		NAVAL CONSTRUCTION CENTER	
MARBLEHEAD MASS. CAMP LEAVE NC		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING M-101	
DES: LMD	CHK: SGA	DATE: 08-09-14	PROJECT NO.: NS2470-DE-9-1400
DWG: LMD	CHK: LMD	DATE: 08-09-14	CONSTR. CONTR. NO.: 1024320000000000
APP: LMD	CHK: LMD	DATE: 08-09-14	CONSTR. CONTR. NO.: 1024320000000000
DATE: 08-09-14	DATE: 08-09-14	DATE: 08-09-14	DATE: 08-09-14
DATE: 08-09-14	DATE: 08-09-14	DATE: 08-09-14	DATE: 08-09-14

E-17

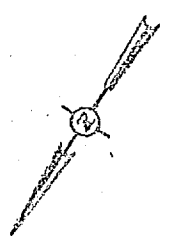


REVISIONS			
DATE	DESCRIPTION	DATE	APPROVED



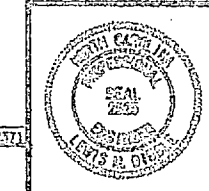
- DEMOLITION NOTES**
1. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.
  2. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CONDUIT IN WALLS. PROVIDE BLACK COVER ON ALL ABANDONED BOXES.
  3. THE ORIGINAL YELLOW PAINT ON THE CONCRETE BLOCK INTERIOR WALLS, THE ORIGINAL CREAM OR BEIGE PAINT ON WOOD TRIM AND THE EXTERIOR WHITE GR COOD CONTAINS LEAD.

1  
E-18 E-18  
BUILDING 730 -- FLOOR PLAN -- DEMOLITION  
3/32" = 1'-0"



5' 0" 5' 10"  
GRAPHIC SCALE - 3/32" = 1'-0"

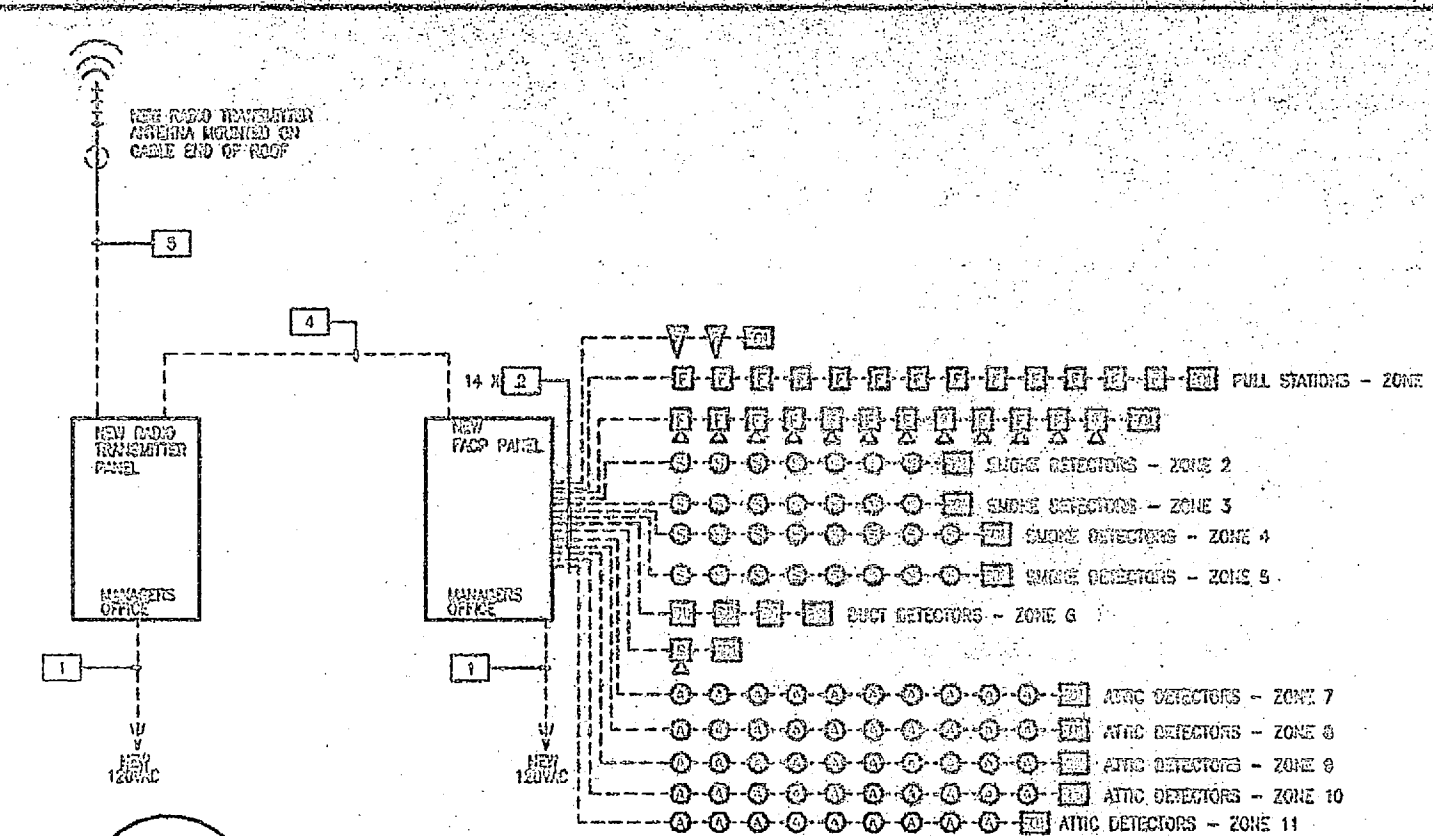
DIBBLE & PLEDGER, P.A.



CON. SUBMITTAL FOR PERMITS FOR DEMOLITION		FACILITY CHARGES COPY 608 70		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE NC.	
ESS LMD		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING 730			
CO ABJ		PROJECT NO. NS2470-05-B-4411			
ESS LMD		REVISED DRAWING NO. 100470-05-B-4411			
ESS LMD		REVISED DRAWING NO.			
SI EN LMD		DATE 05-10-2011			
APPROVED OR ALCO DATE		SHEET 22 OF 22			
DATE		SHEET 22 OF 22			

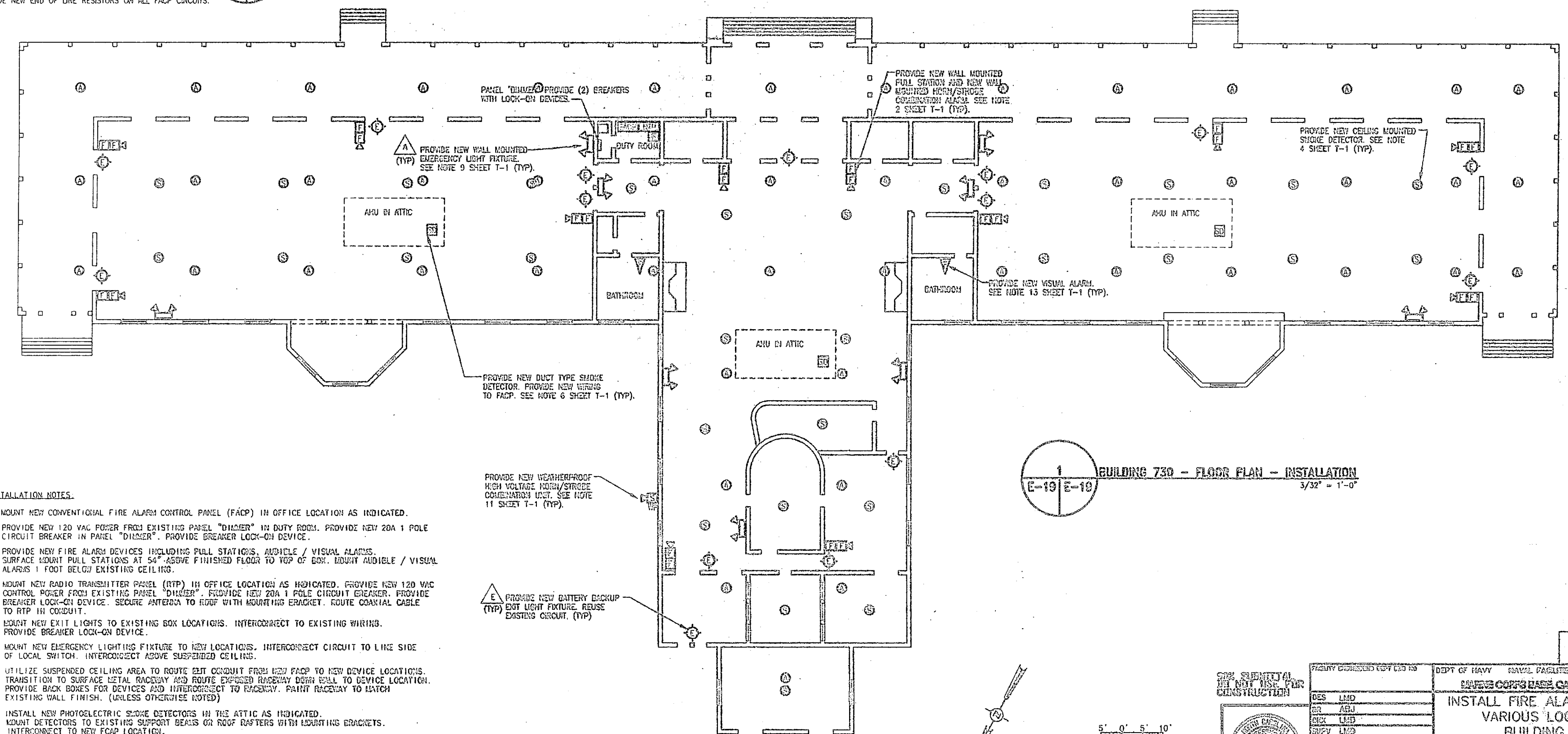
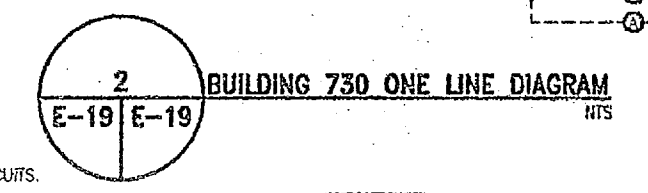


REVISIONS		
NO.	DESCRIPTION	DATE



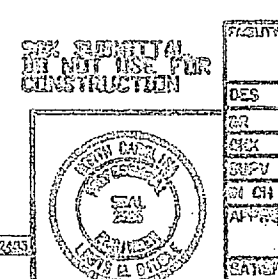
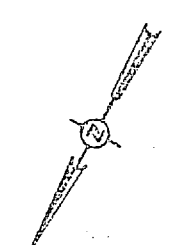
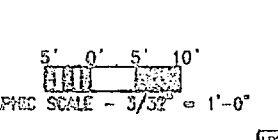
- CONDUIT AND CABLE SCHEDULE**
- (2) #14 AWG CU THRU/THRU UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THRU/THRU GROUNDED CONDUCTOR.  
3/4" CONDUIT
  - (1) #10 AWG CU THRU/THRU UNGROUNDED CONDUCTOR.  
(1) #10 AWG CU THRU/THRU GROUNDED CONDUCTOR.  
3/4" CONDUIT
  - (2) #14 AWG CU THRU/THRU UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THRU/THRU GROUNDED CONDUCTORS.  
(2) #14 AWG CU THRU/THRU SPARE CONDUCTORS.  
1" CONDUIT
  - RG-6J COAXIAL CABLE  
3/4" CONDUIT

**FIRE ALARM NOTES:**  
 PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.



**1 BUILDING 730 - FLOOR PLAN - INSTALLATION**  
 E-19 E-19  
 3/32" = 1'-0"

- INSTALLATION NOTES:**
- MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
  - PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "DINER" IN DUTY ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "DINER". PROVIDE BREAKER LOCK-ON DEVICE.
  - PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF EXIST. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
  - MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "DINER". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
  - MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
  - MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
  - UTILIZE SUSPENDED CEILING AREA TO ROUTE GFI CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)
  - INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.

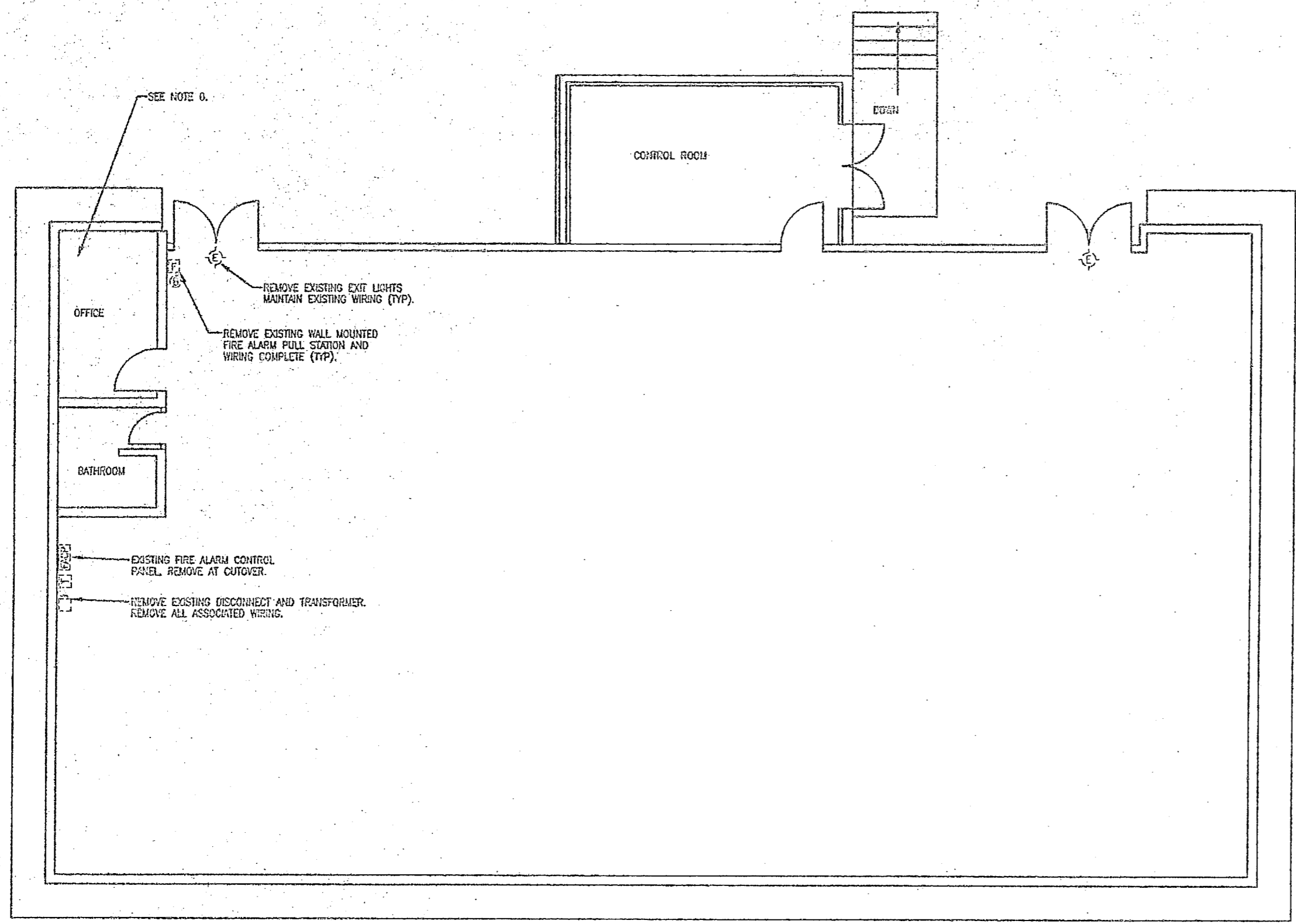


DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL AIR STATION <b>INSTALL FIRE ALARM SYSTEM,          VARIOUS LOCATIONS,          BUILDING 730</b> PROJECT NO. NSAS-05-D-3411	
DES. LMD DR. ABJ CEC. LMD SUPV. LMD IN CH. LMD	DATE: 05-03-64 SATISFACTORY TO: DATE:

**E-10**

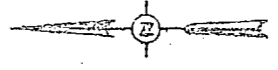


REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVAL



1  
E-20 | E-20  
**BUILDING G-650 FLOOR PLAN - DEMOLITION**  
1/4" = 1'-0"

- DEMOLITION NOTES:**
1. REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP), 120 VAC CONTROL POWER, CONDUIT, TRANSFORMER, AND APPURTENANT EQUIPMENT AS INDICATED.
  2. EXISTING WIRING IS EXPOSED SURFACE MOUNTED CONDUIT. REMOVE CONDUIT AND WIRING TO ALL DEVICES.
  3. REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED.
  4. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.
  5. MAINTAIN EXISTING FIRE ALARM CONTROL SYSTEM UNTIL CUTOVER. MINIMIZE DOWNTIME. FIRE ALARM SYSTEM TO BE OPERATIONAL AT EVENING OF CUTOVER DAY.
  6. THE ROOFING CEILING AT THE MAIN VENT ON THE ROOF. THE ROOFING MATERIAL ON THE TOP OF THE PARAPET WALL, AND THE FLOOR TILE AND MASTIC IN THE OFFICE AREA CONTAIN ASBESTOS.



**E-20**

GRAPHIC SCALE - 1/4" = 1'-0"  
0' 5' 10'

SUBMITTAL FOR NEW USE FOR CONSTRUCTION	PRELIM DESIGN NO. E-20	DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND
	DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>NAVAL AIR STATION CAMP LEAKE, NC</b>	<b>INSTALL FIRE ALARM SYSTEM,          VARIOUS LOCATIONS          BUILDING G-650</b>
	PROJECT NO. 152420-05-B-4411	HANFORD DRAWING NO.
DATE OF ISSUE	DATE	PROJECT NO. 152420-05-B-4411
DATE OF REVISION	DATE	SHEET NO. OF

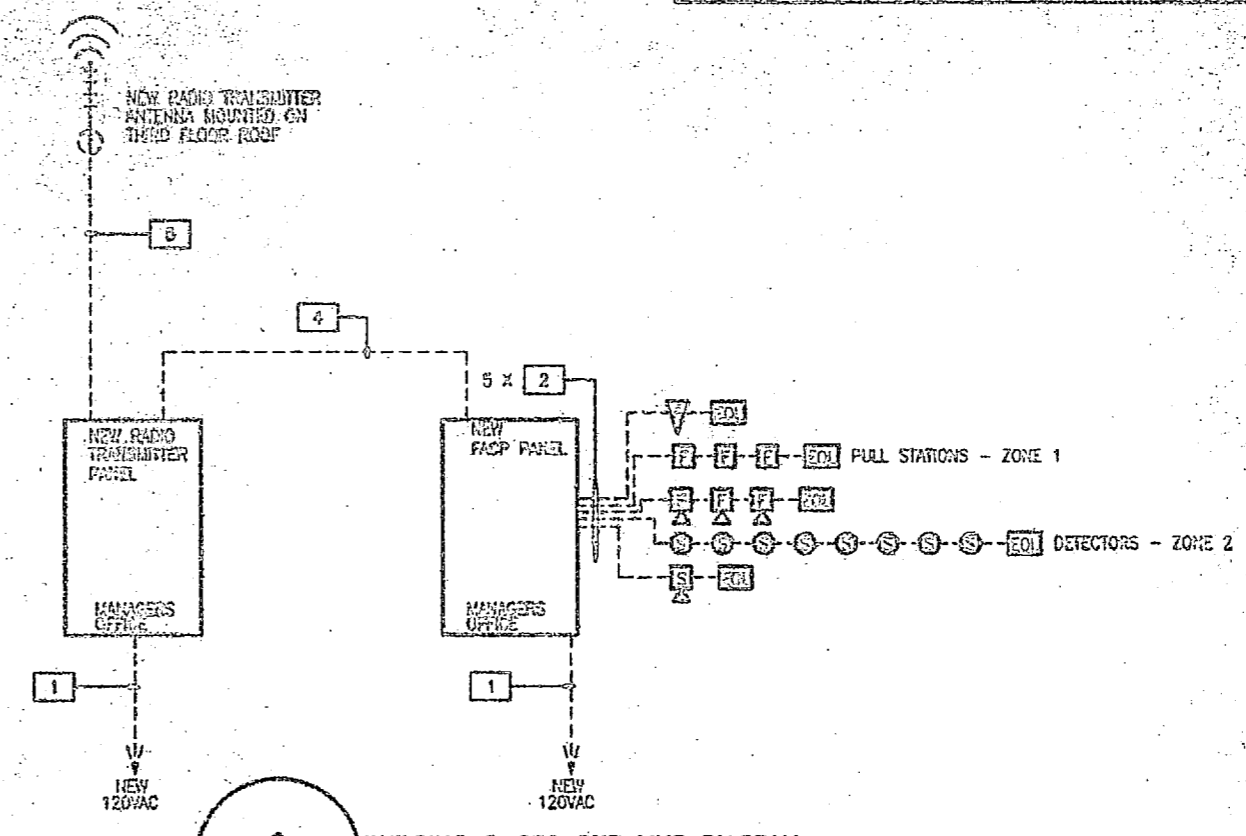
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REV. NO.	DESCRIPTION	DATE	APPROVAL

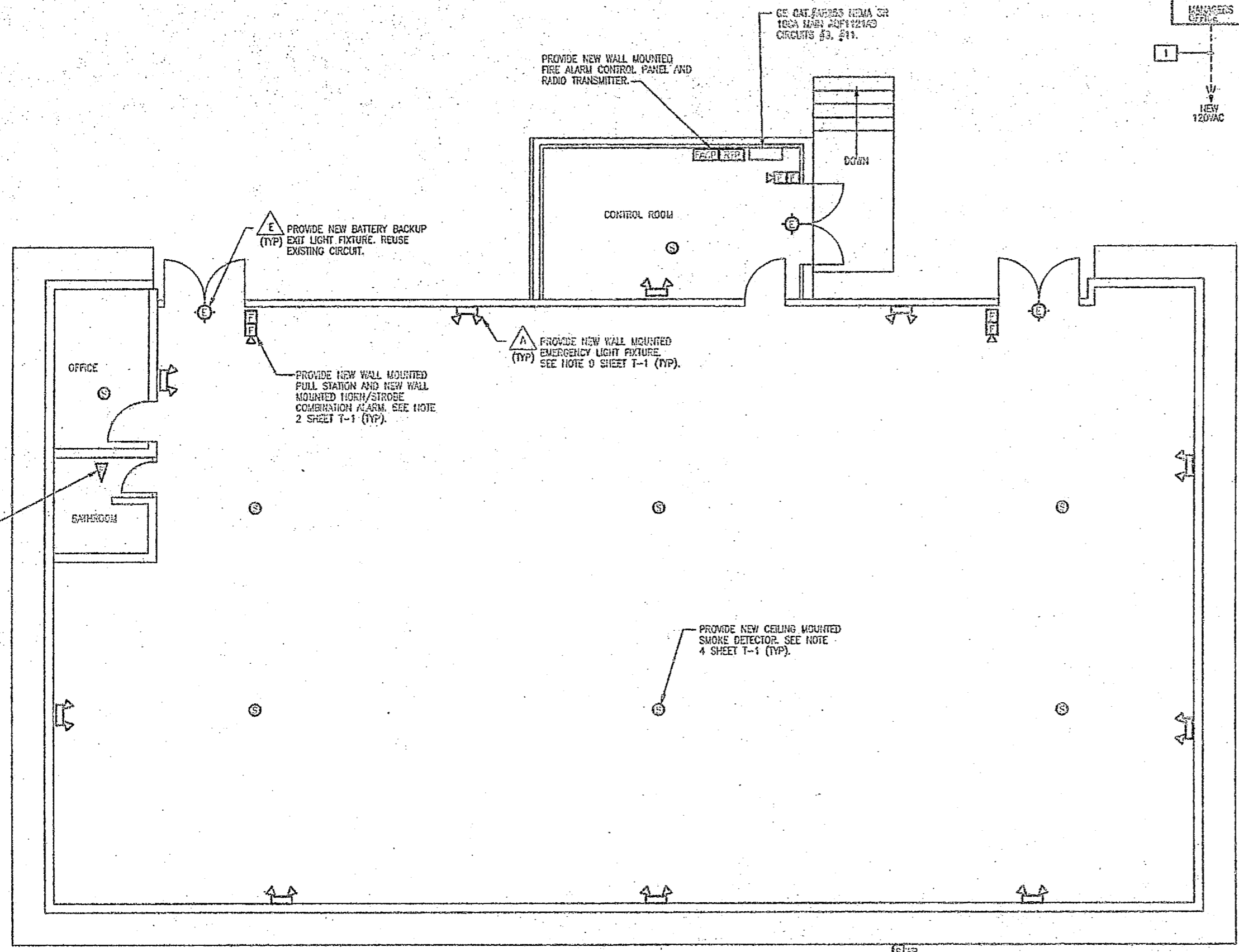
**INSTALLATION NOTES:**

1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL LOCATED IN CONTROL ROOM. PROVIDE NEW 20A 1-POLE CIRCUIT-BREAKER IN PANEL LOCATED IN CONTROL ROOM. PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING FULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT FULL STATIONS AT 5'-0" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL LOCATED IN CONTROL ROOM. PROVIDE NEW 20A 1-POLE CIRCUIT-BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
5. MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
6. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
7. ROUTE EMT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)

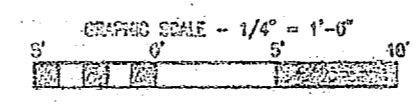


**2 BUILDING G-650 ONE LINE DIAGRAM**  
E-21 E-21

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.



**1 BUILDING G-650 FLOOR PLAN - INSTALLATION**  
E-21 E-21  
1/4" = 1'-0"



DESIGNED BY: DIBBLE & FLEDGER, P.A.

90% SUBMITTAL  
ON NBT USE FOR  
CONSTRUCTION



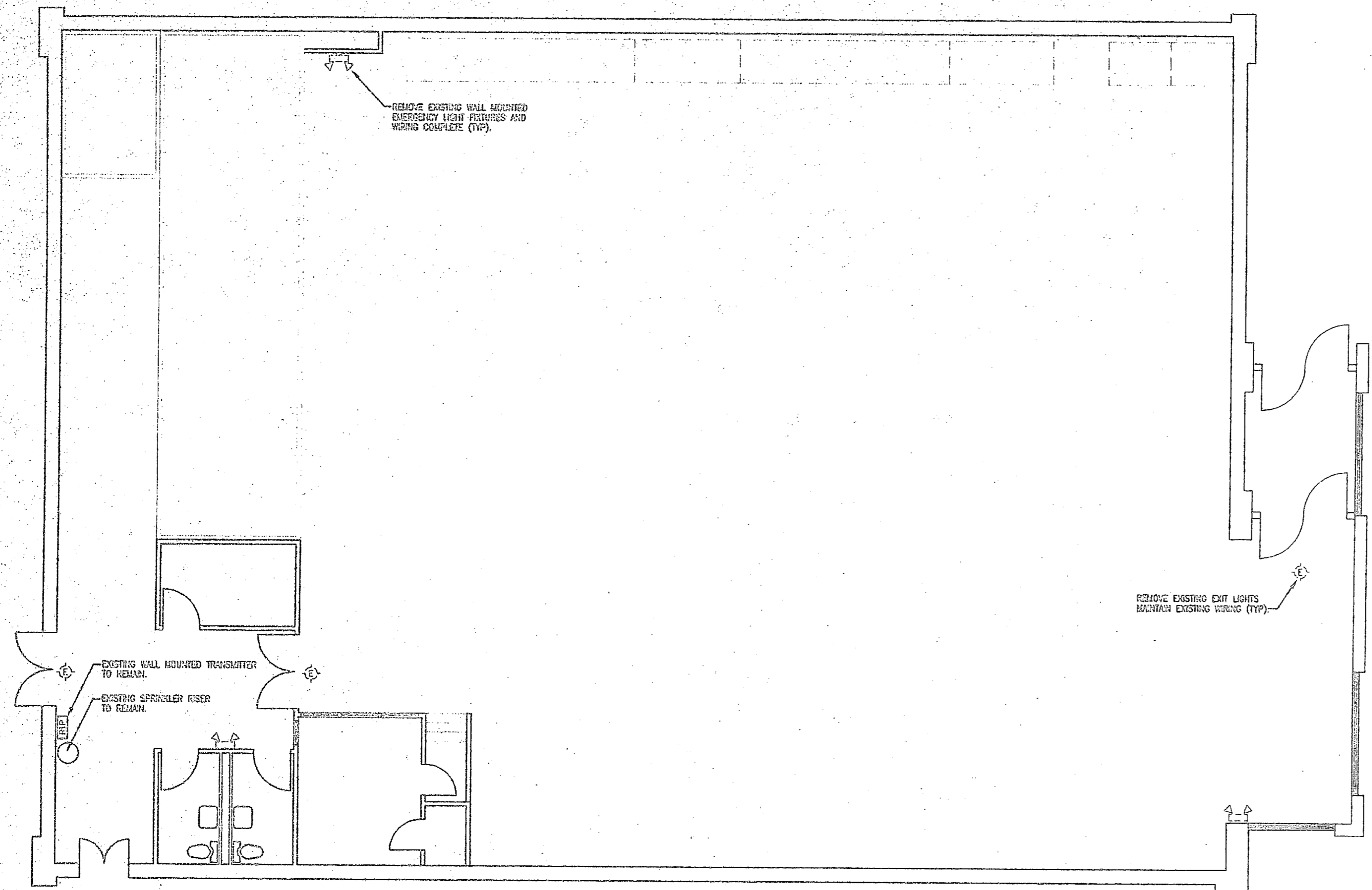
DESIGNED BY: EES LMD	CHECKED BY: RGA	DATE: 01-25-11
DRAWN BY: LMD	DATE: 01-25-11	
PROJECT NO. 102-070-00-5-1011	SHEET NO. 63	OF 67

**E-21**

INSTALL FIRE ALARM SYSTEM,  
VARIOUS LOCATIONS  
BUILDING G-650  
PROJECT NO. 102-070-00-5-1011

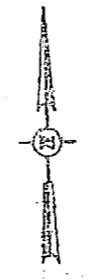


REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



**BUILDING 820 - FLOOR PLAN - DEMOLITION**  
 E-22 | E-22  
 1/4" = 1'-0"

- DEMOLITION NOTES:**
1. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.
  2. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CONDUIT IN WALLS. PROVIDE BLANK COVER ON ALL ABANDONED BOXES.
  3. THE LIGHT GREEN PAINT ON THE HVAC UNIT ON THE ROOF OF THIS BUILDING CONTAINS LEAD.



GRAPHIC SCALE - 1/4" = 1'-0"  
 0' 5' 10'

NOT FOR CONSTRUCTION



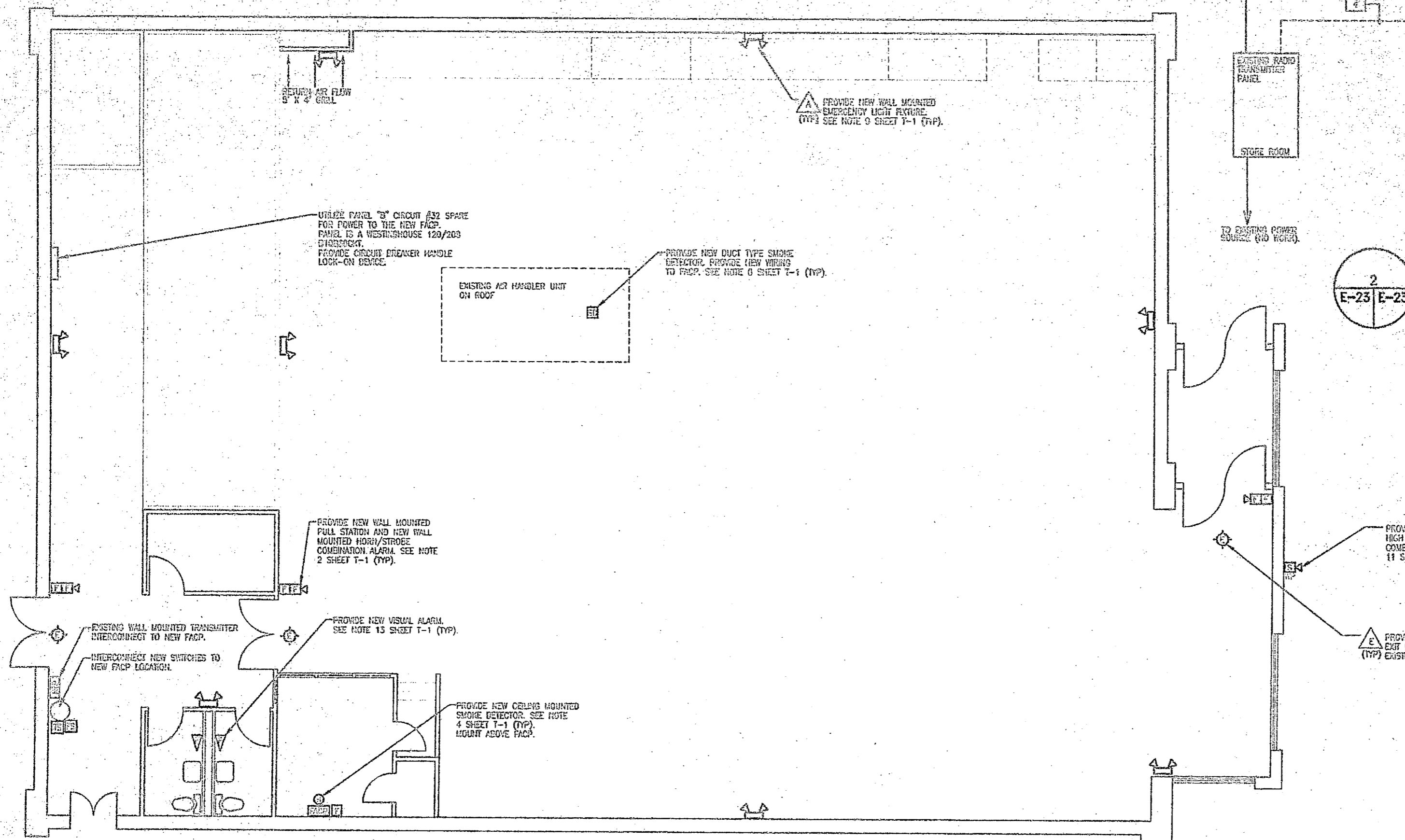
DIBBLE & FLEDGER, P.A.

DEPT. OF NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEAKE, NC	
<b>INSTALL FIRE ALARM SYSTEM,          VARIOUS LOCATIONS          BUILDING 820</b>	
PROJECT NO. 402470-06-9-0111	
APPROVED BY DATE [Signature]	DATE 06/01/11
DRAWN BY [Signature]	DATE 06/01/11

**E-22**



REVISIONS	DESCRIPTION	DATE	BY



2  
E-23 E-23

**BUILDING 820 ONE LINE DIAGRAM**  
NFS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.

PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.

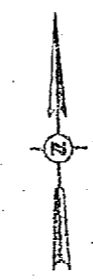
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

1  
E-23 E-23

**BUILDING 820 - FLOOR PLAN - INSTALLATION**  
1/4" = 1'-0"

**INSTALLATION NOTES:**

1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "B" IN MECHANICAL ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "B". PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 64" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. INTERCONNECT NEW FACP TO EXISTING RTP. PROVIDE BREAKER LOCK-ON DEVICE ON RTP CIRCUIT BREAKER. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
5. INTERCONNECT EXISTING SPRINKLER SYSTEM INTO NEW FACP TO PROVIDE FLOW AND TAMPER SIGNALS.
6. PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANEL, AND ROUTE WIRING BACK TO FACP LOCATION.
7. MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
8. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
9. UTILIZE SCREENED CONDUIT AND AREA TO ROUTE EMT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH, UNLESS OTHERWISE NOTED.



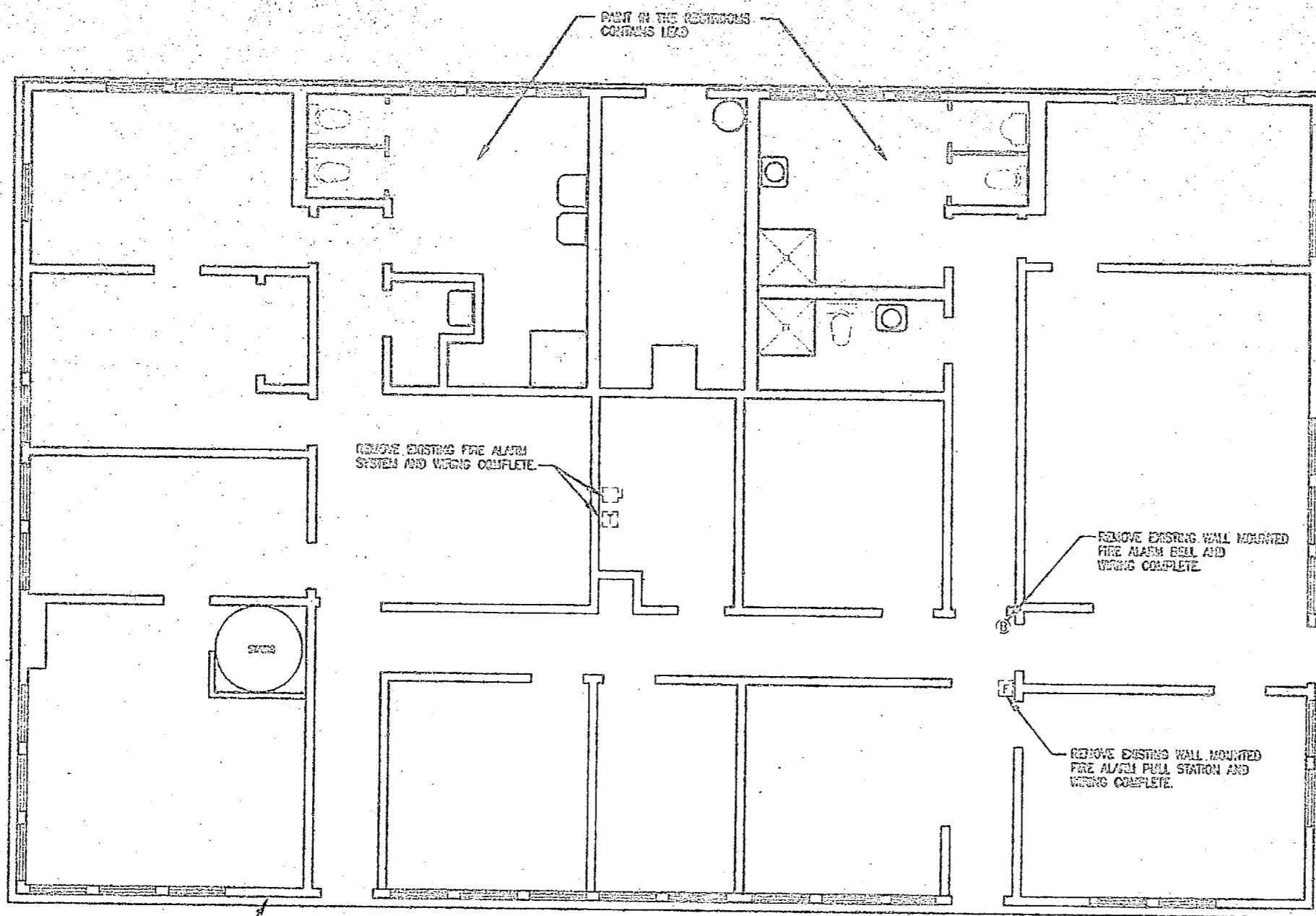
GRAPHIC SCALE - 1/4" = 1'-0"

ELECTRICAL WORK BY  
**DIBBLE & FLEDGER, P.A.**

50% SUBMITTAL DO NOT USE FOR CONSTRUCTION	FACILITY ENGINEERING DPT 040 100 DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE CAMP LEAKE, NC.</b>
	<b>INSTALL FIRE ALARM SYSTEM,          VARIOUS LOCATIONS          BUILDING 820</b> PROJECT NO. NS0470-03-B-4411 NAIFAC DRAWING NO.
DES. LMD DR. LMD CHG. LMD SUPV. LMD ILC. 1110	DATE APPROVAL/REV OR NSIP DATE SANCTIONARY NO. DATE
E-23 1 F 80001	SHEET 27 OF 27



REVISIONS			
NO.	DATE	DESCRIPTION	BY

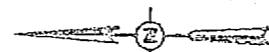


EXTERIOR WHITE WOOD TRIM  
PART CONTACTS LEAD



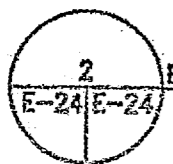
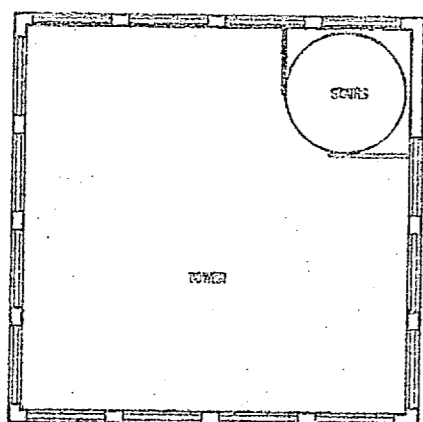
**BUILDING AS-820 - FIRST FLOOR - DEMOLITION**

1/4" = 1'-0"



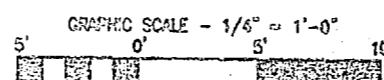
**DEMOLITION NOTES**

- EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS. REMOVE WIRING TO ALL DEVICES THEN ABANDON CONDUIT CONCEALED IN THE WALLS. REMOVE ALL SURFACE MOUNTED EXPOSED FIRE ALARM CONDUIT COMPLETELY.
- REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED PROVIDE BLACK COVERS ON ABANDONED EDGES.
- THE FLOOR TILES AND MASTICS CONTAIN ASBESTOS.



**BUILDING AS-820 - TOWER PLAN - DEMOLITION**

1/4" = 1'-0"



90% SUBMITTAL  
DO NOT USE FOR  
CONSTRUCTION



FACILITY ENGINEERING DEPT DWG NO.		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES LEAD		MARSE CORFB BASE, CALIF LEARE, INC.	
DR ALC	INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING AS-820		
CHK LMD	PROJECT NO. N327D-05-D-3411		
APPV LMD	DRAWN BY		
BY EN LMD	RAWAD/DRAWING NO.		
APPROVED FOR GDC DATE	SCALE	COORDINATOR	DATE
MANUFACTORY TO	DATE	NO. 00091	DATE
DRAWN BY		CHECKED BY	
DIBLE & FLEDGER, P.A.		DATE	

**E-24**

SHEET 23 OF







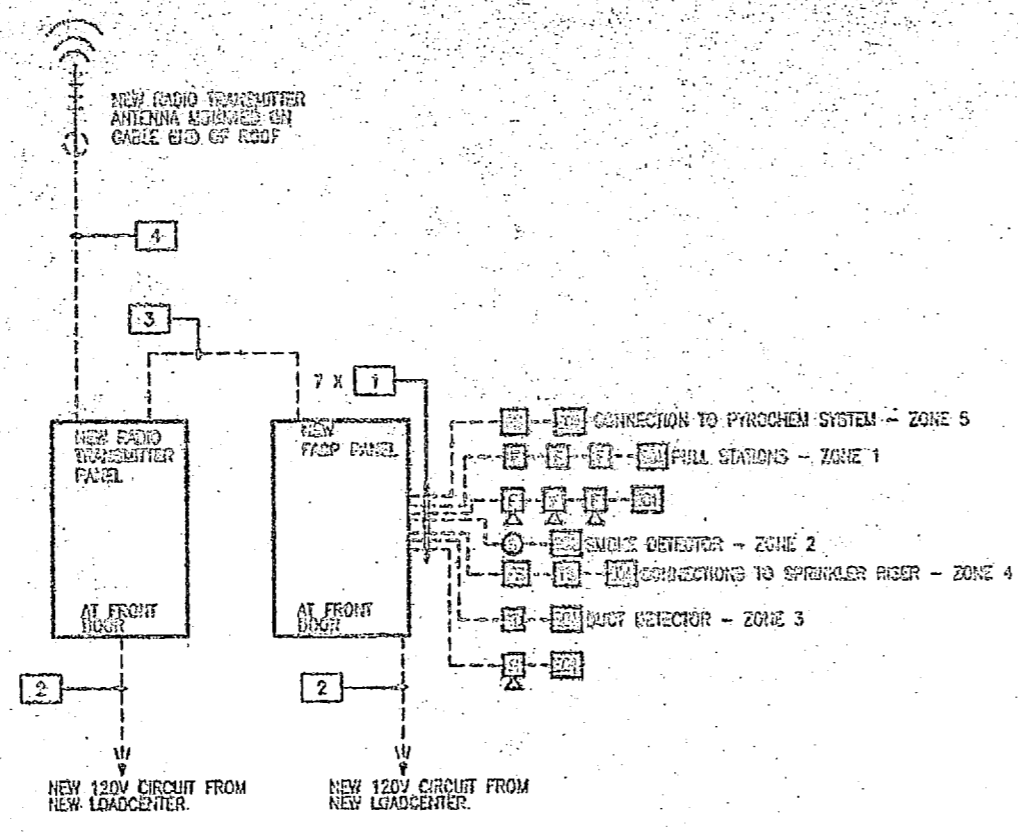






REVISIONS			
SYMBOL	ZONE	DESCRIPTION	DATE

- CONDUIT AND CABLE SCHEDULE**
- (2) #14 AWG CU THHN/THWN UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THHN/THWN GROUNDED CONDUCTOR.  
2/4" CONDUIT
  - (1) #10 AWG CU THHN/THWN UNGROUNDED CONDUCTOR.  
(1) #10 AWG CU THHN/THWN GROUNDED CONDUCTOR.  
3/4" CONDUIT
  - (B) #14 AWG CU THHN/THWN UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THHN/THWN GROUNDED CONDUCTORS.  
(2) #14 AWG CU THHN/THWN SPARE CONDUCTORS.  
1" CONDUIT
  - RG-59 COAXIAL CABLE  
3/4" CONDUIT

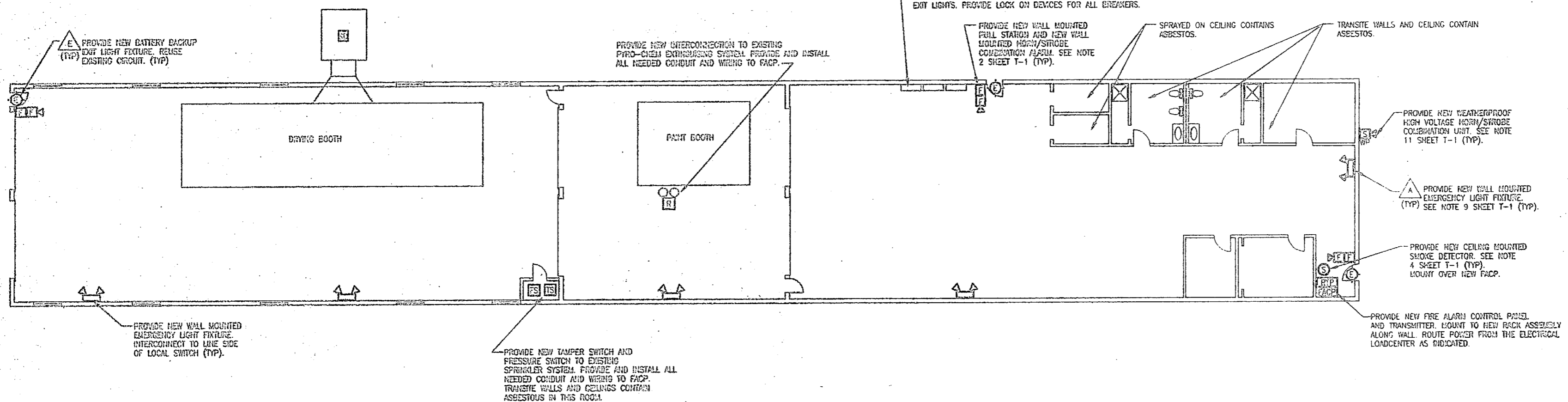


**2 BUILDING 908 ONE LINE DIAGRAM**  
E-27 E-27

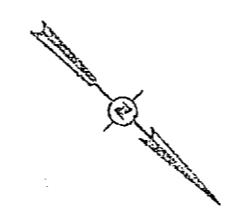
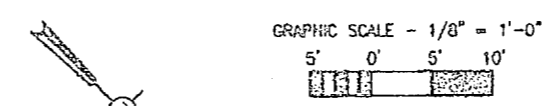
PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

**INSTALLATION NOTES:**

- MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN LOCATION AS INDICATED.
- PROVIDE NEW 120 VAC POWER FROM NEW LOADCENTER PANEL AS INDICATED. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN LOADCENTER PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
- PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
- MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM LOADCENTER PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
- MOUNT NEW EXIT LIGHTS IN INDICATED LOCATIONS. INTERCONNECT TO NEW CIRCUIT. PROVIDE BREAKER LOCK-ON DEVICE.
- MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
- UTILIZE EMT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO CONDUIT. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)
- THE WATER LINES IN THIS BUILDING CONTAIN ASBESTOS.
- THE PAINTS ON THE STEEL STRUCTURAL BEAMS CONTAIN LEAD DUE TO PRIMER USED. ALL PAINTS IN THIS BUILDING CONTAIN LEAD.



**1 BUILDING 908 - FLOOR PLAN - INSTALLATION**  
E-27 E-27  
1/8" = 1'-0"

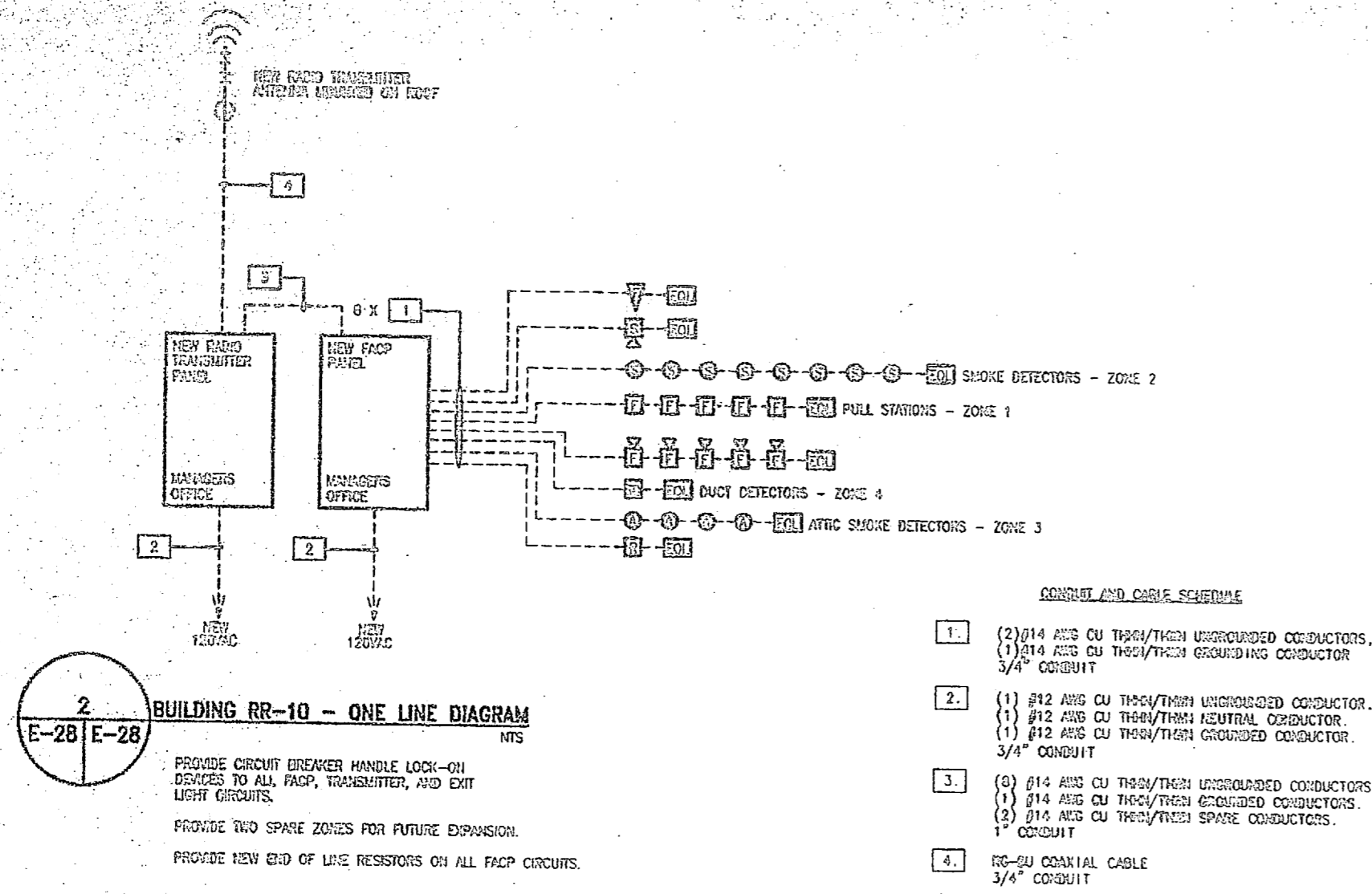


DEPT OF NAVY		NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL FACILITIES ENGINEERING DIVISION		NAVAL FACILITIES ENGINEERING DIVISION	
PROJECT NO. 132478-90-B-0011		PROJECT NO. 132478-90-B-0011	
DRAWN BY: DES LMD		CHECKED BY: DES LMD	
DATE: 05-03-00		SCALE: AS SHOWN	
APPROVED FOR CONSTRUCTION:		APPROVED FOR CONSTRUCTION:	
DESIGNER: DES LMD		DESIGNER: DES LMD	
DATE: 05-03-00		DATE: 05-03-00	
PROJECT NO. 132478-90-B-0011		PROJECT NO. 132478-90-B-0011	
DRAWING NO. 132478-90-B-0011		DRAWING NO. 132478-90-B-0011	
SHEET 83 OF 83		SHEET 83 OF 83	

**E-27**



REVISIONS	
NO.	DESCRIPTION



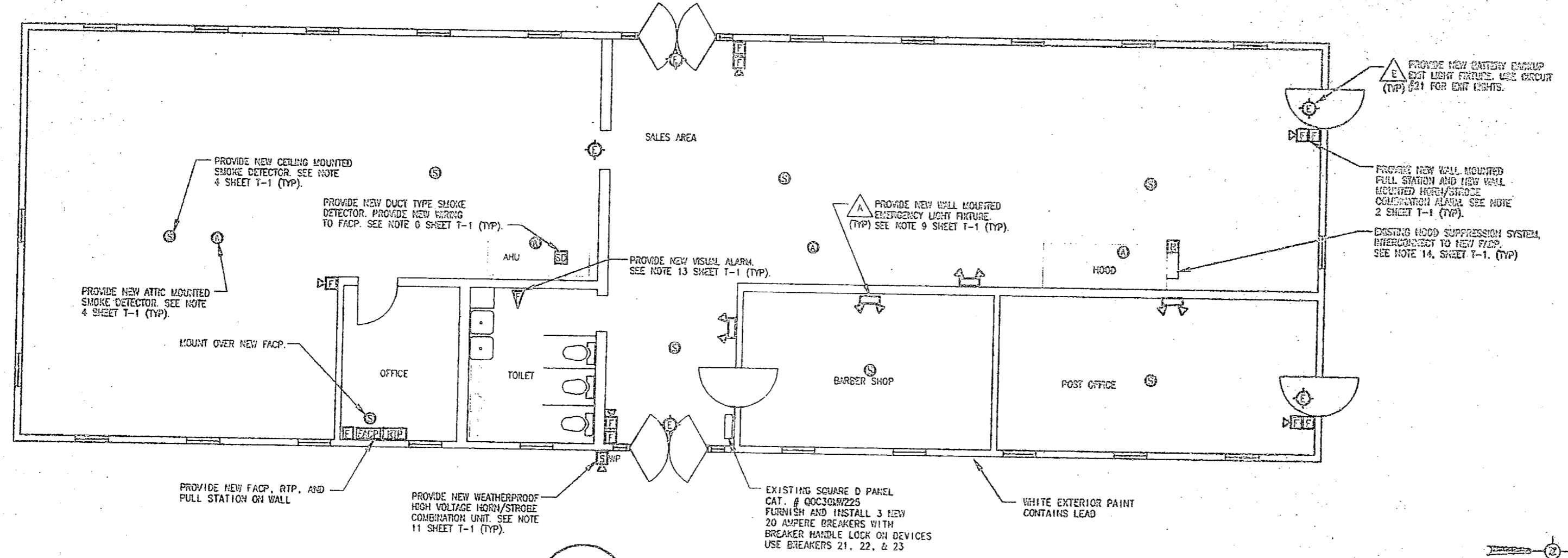
**2 BUILDING RR-10 - ONE LINE DIAGRAM**  
E-28 E-28  
NTS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

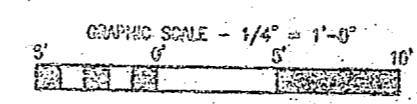
**INSTALLATION NOTES:**

- REMOVE NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
- PROVIDE NEW 120 VAC POWER FROM EXISTING SQUARE D PANEL IN HALLWAY. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN SQUARE D PANEL. PROVIDE CIRCUIT BREAKER LOCK-ON DEVICE.
- PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS, SURFACE MOUNT PULL STATIONS AT 64" ABOVE FINISHED FLOOR TO TOP OF CASE, MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
- REMOVE NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CIRCUIT BREAKER FROM EXISTING SQUARE D PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE CIRCUIT BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
- PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANEL. AND ROUTE WIRING BACK TO FACP LOCATION.
- REMOVE NEW BATTERY BACKUP EXIT LIGHTS TO ACCORDIONS CASE. INTERCONNECT TO NEW CIRCUIT (21) IN SQUARE D PANEL. PROVIDE CIRCUIT BREAKER LOCK-ON DEVICE.
- REMOVE NEW EMERGENCY LIGHTING FIXTURES TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
- UTILIZE SUSPENDED CEILING AREA WHEN APPLICABLE TO ROUTE AND CONDUIT FROM NEW FACP TO NEW DEVICE LOCATION. TRANSMIT TO SERVICE MESH, PAPERWAY AND DRAIN EXCESS RAINWATER DOWN WALL TO DEVICE LOCATION. PROVIDE BACK COVER FOR DEVICES AND INTERCONNECT TO CONDUIT. PAINT PAPERWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)
- INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.

TAN TRIM PAINTS CONTAIN LEAD  
ALL PIPE INSULATION IN ATTIC CONTAINS ASBESTOS. MATERIAL NEEDS TO BE PROTECTED FROM IMPACT DAMAGE.



**1 BUILDING RR-10 - INSTALLATION**  
E-28 E-28  
1/4" = 1'-0"



DO NOT SUBMIT FOR CONSTRUCTION



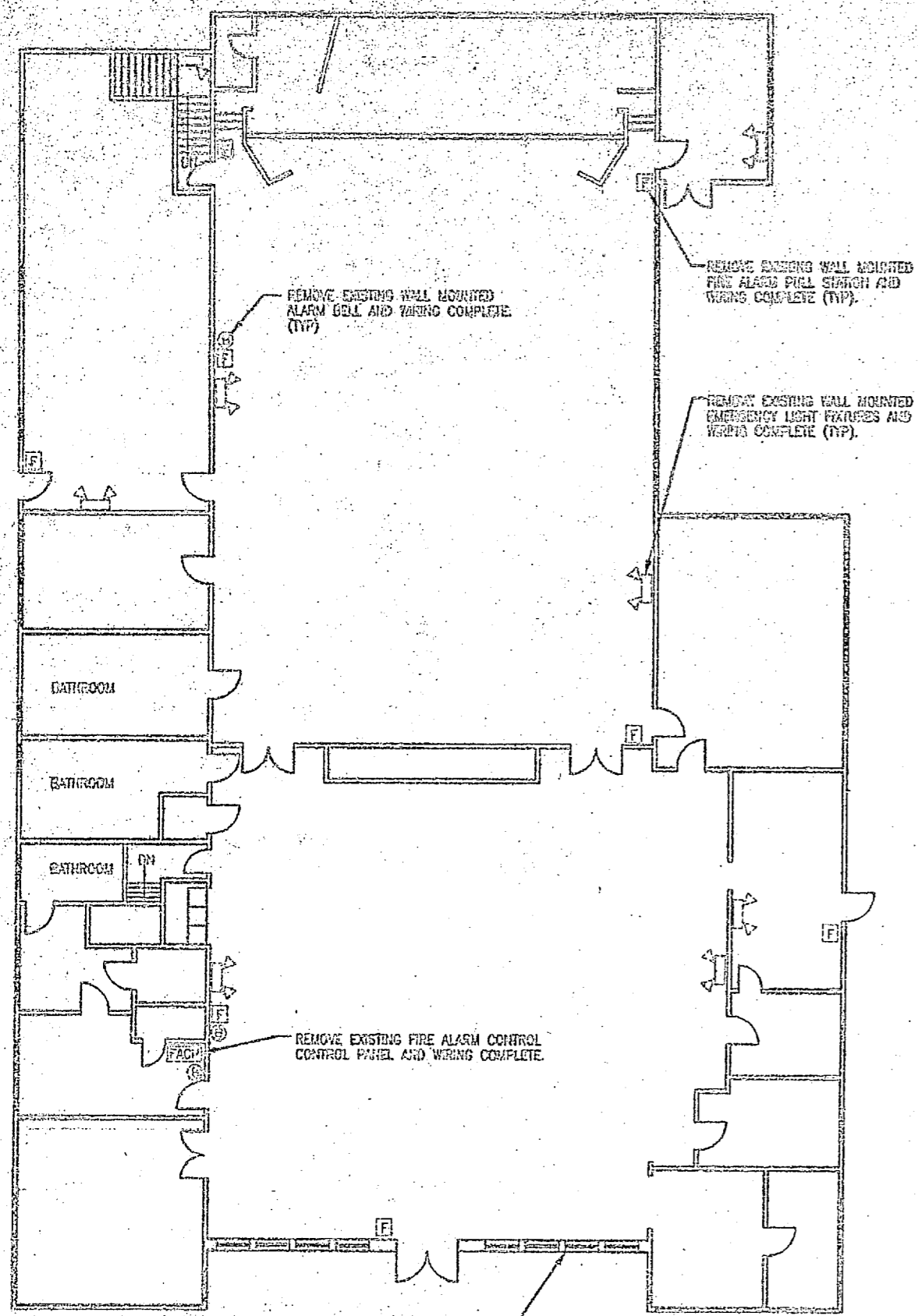
FACILITY ENGINEERING DEPT DND 113		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
MARINE CORPS BASE CAMP LEAUNE NC		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING RR-10	
DESIGNER	DATE	PROJECT NO.	NO2470-09-D-0411
DR		PROJECT NO.	
CHK		PROJECT NO.	
APP		PROJECT NO.	
APPROVED BY	DATE	PROJECT NO.	
		PROJECT NO.	
		PROJECT NO.	
		PROJECT NO.	

**E-28**

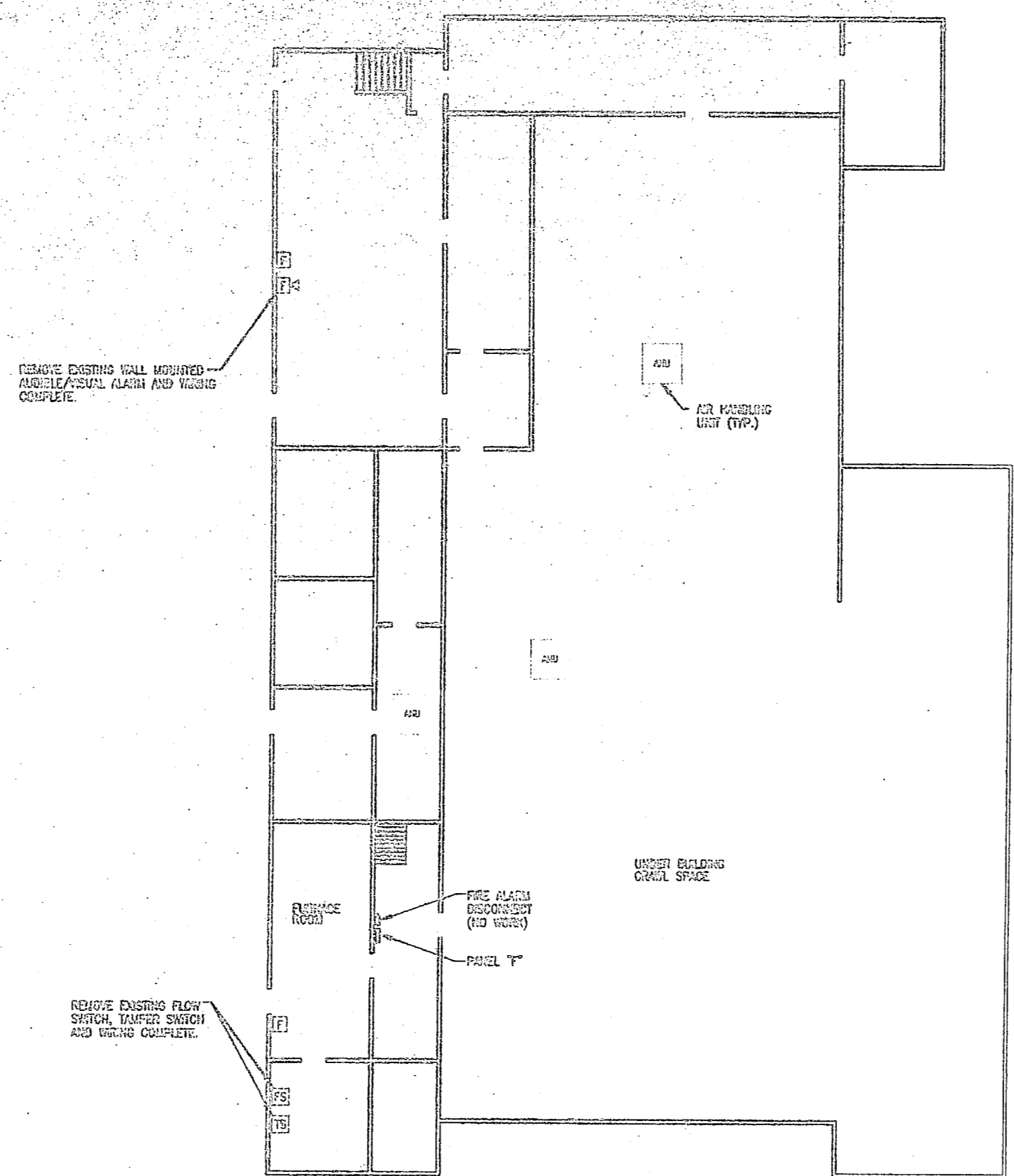




REVISIONS			
NO.	DESCRIPTION	DATE	BY



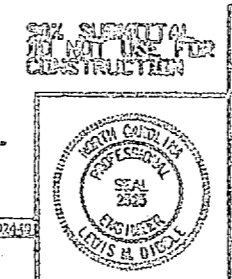
1 BUILDING USO-1 - FIRST FLOOR PLAN - DEMOLITION  
E-29 E-29  
1/8" = 1'-0"



2 BUILDING USO-1 - BASEMENT FLOOR PLAN - DEMOLITION  
E-29 E-29  
1/8" = 1'-0"

- DEMOLITION NOTES:
- 1 REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP), 120 VAC CONTROL POWER, CONDUIT, AND APPURTENANT EQUIPMENT.
  - 2 EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS. REMOVE WIRING TO ALL DEVICES THEN ABANDON CONDUIT CONCEALED IN THE WALLS. REMOVE ALL SURFACE MOUNTED EXPOSED FIRE ALARM CONDUIT COMPLETELY.
  - 3 REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. PROVIDE ELKOR COVERS ON ABANDONED BOXES.
  - 4 REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CONDUIT IN WALLS. PROVIDE ELKOR COVER ON ALL ABANDONED BOXES.
  - 5 MAINTAIN EXISTING FIRE ALARM CONTROL SYSTEM UNTIL CUTOVER. MINIMIZE DOWNTIME. FIRE ALARM SYSTEM TO BE OPERATIONAL AT EVENING OF CUTOVER DAY.

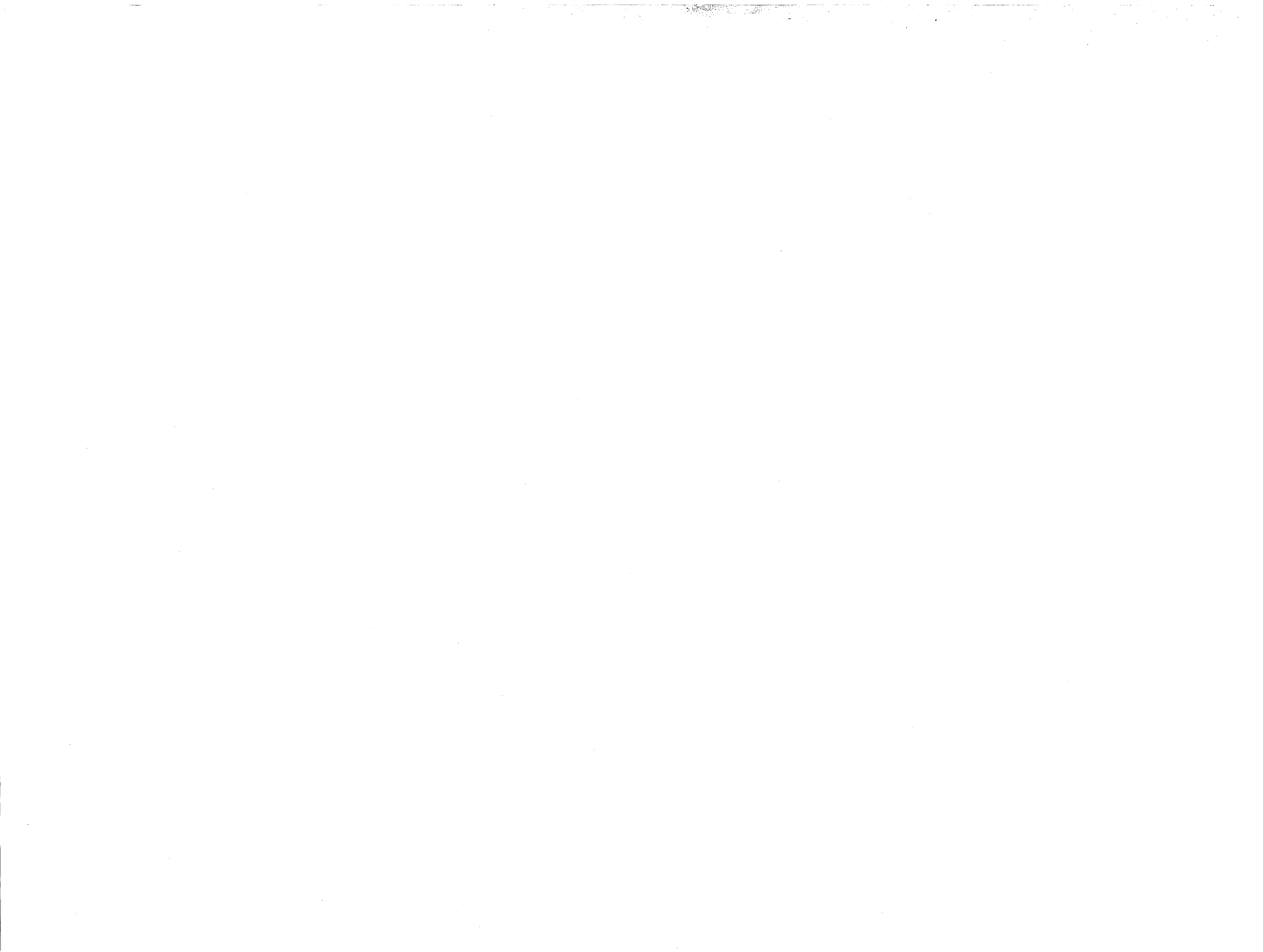
GRAPHIC SCALE - 1/8" = 1'-0"

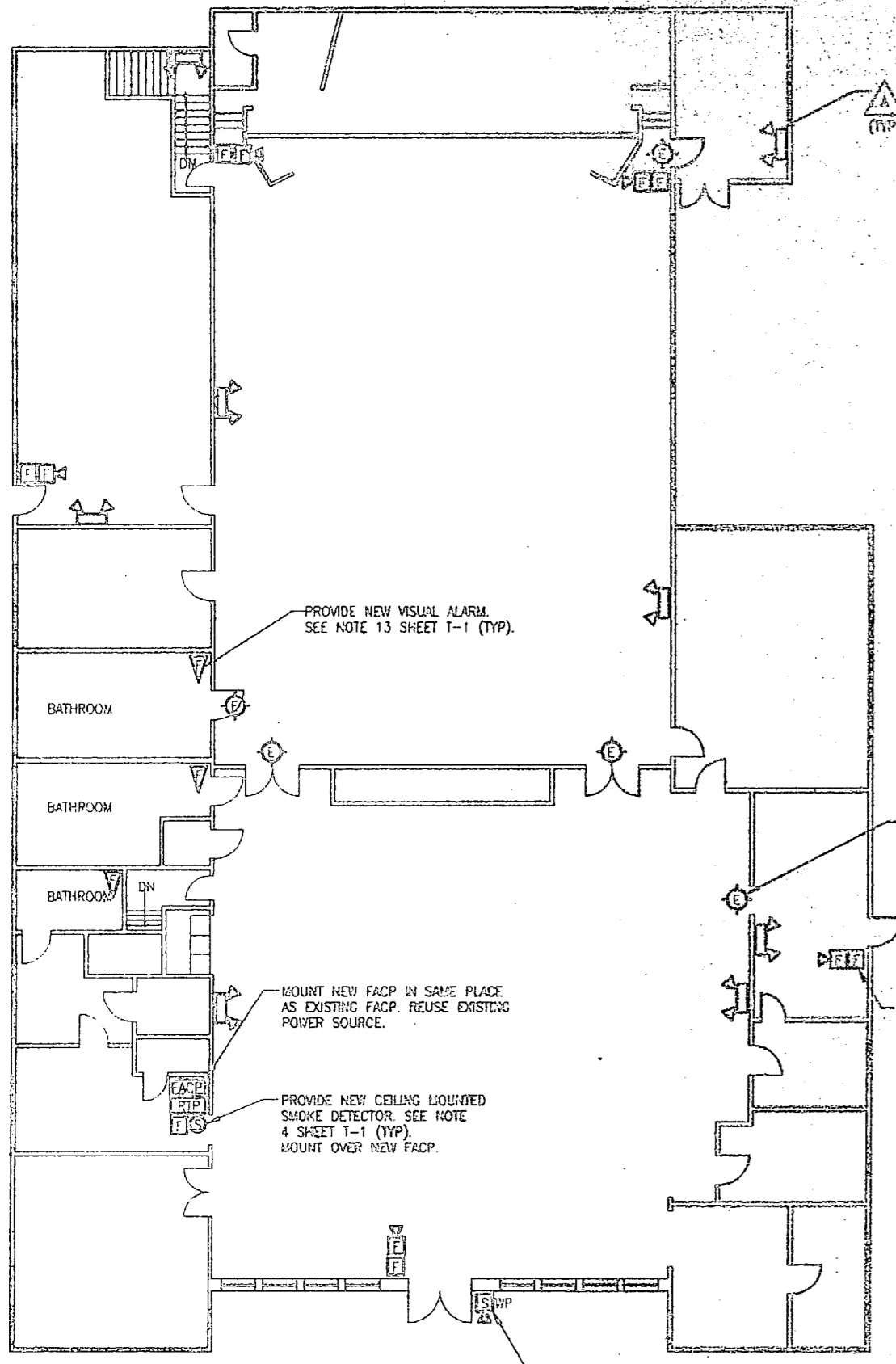


COPY OF NAVY NAVAL FACILITIES ENGINEERING CONTRACT	
NAVAL FACILITIES ENGINEERING CONTRACT	
INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING USO-1	
PROJECT NO. 682470-88-D-1462	
DESIGNER	DATE
CHECKED	DATE
APPROVED BY	DATE
SATISFACTORY TO	DATE
NO. 80001	

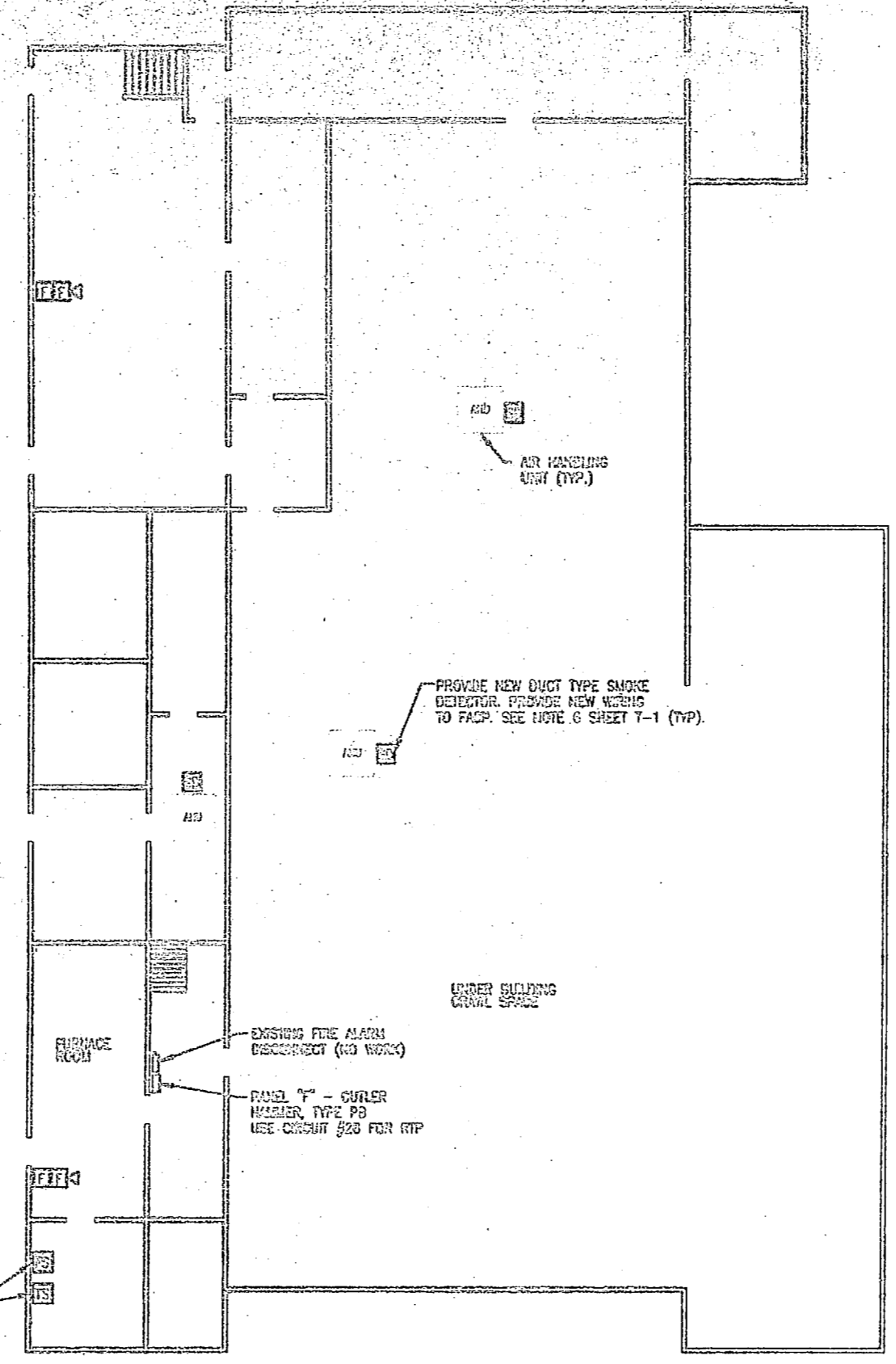
E-29

PREPARED BY: BIDDLE & FLEDGER, P.A.

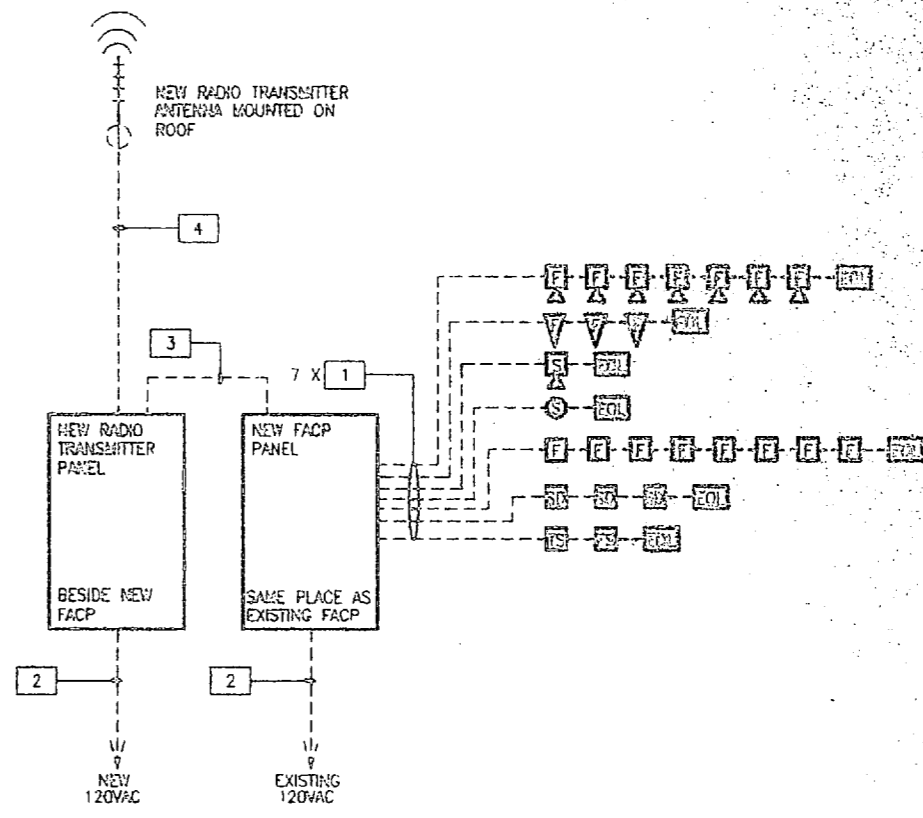




**1 BUILDING USO-1 - FIRST FLOOR PLAN - INSTALLATION**  
 E-30 E-30  
 1/8" = 1'-0"



**2 BUILDING USO-1 - BASEMENT FLOOR PLAN - INSTALLATION**  
 E-30 E-30  
 1/8" = 1'-0"



**3 BUILDING USO-1 - ONE LINE DIAGRAMS**  
 E-30 E-30

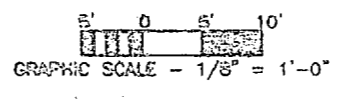
- PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.
- PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.
- PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

**CONDUIT AND CABLE SCHEDULE**

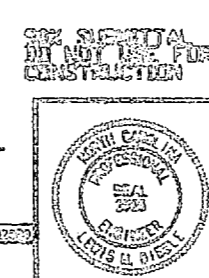
- 1.** (2) #14 AWG CU THHN/THWN UNGROUNDED CONDUCTORS.  
 (1) #14 AWG CU THHN/THWN GROUNDING CONDUCTOR.  
 3/4" CONDUIT
- 2.** (1) #12 AWG CU THHN/THWN UNGROUNDED CONDUCTOR.  
 (1) #12 AWG CU THHN/THWN NEUTRAL CONDUCTOR.  
 (1) #12 AWG CU THHN/THWN GROUNDING CONDUCTOR.  
 3/4" CONDUIT
- 3.** (8) #14 AWG CU THHN/THWN UNGROUNDED CONDUCTORS.  
 (1) #14 AWG CU THHN/THWN GROUNDING CONDUCTOR.  
 (2) #14 AWG CU THHN/THWN SPARE CONDUCTORS.  
 1" CONDUIT
- 4.** RG-8U COAXIAL CABLE  
 3/4" CONDUIT

**INSTALLATION NOTES:**

- MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
- PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "F" IN BASEMENT. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "F". PROVIDE BREAKER LOCK-ON DEVICE.
- PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF CON. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
- MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "F". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
- INTERCONNECT EXISTING SPRINKLER SYSTEM INTO NEW FACP TO PROVIDE FLOW AND TAMPER SIGNALS.
- MOUNT NEW EXIT LIGHTS TO NEW LOCATIONS. INTERCONNECT TO EXISTING EXIT LIGHTING CIRCUIT WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
- MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
- UTILIZE SUSPENDED CEILING AREA TO ROUTE EMT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH (UNLESS OTHERWISE NOTED).



DRAWN BY: DIEBLE & FLEISHER, P.A.



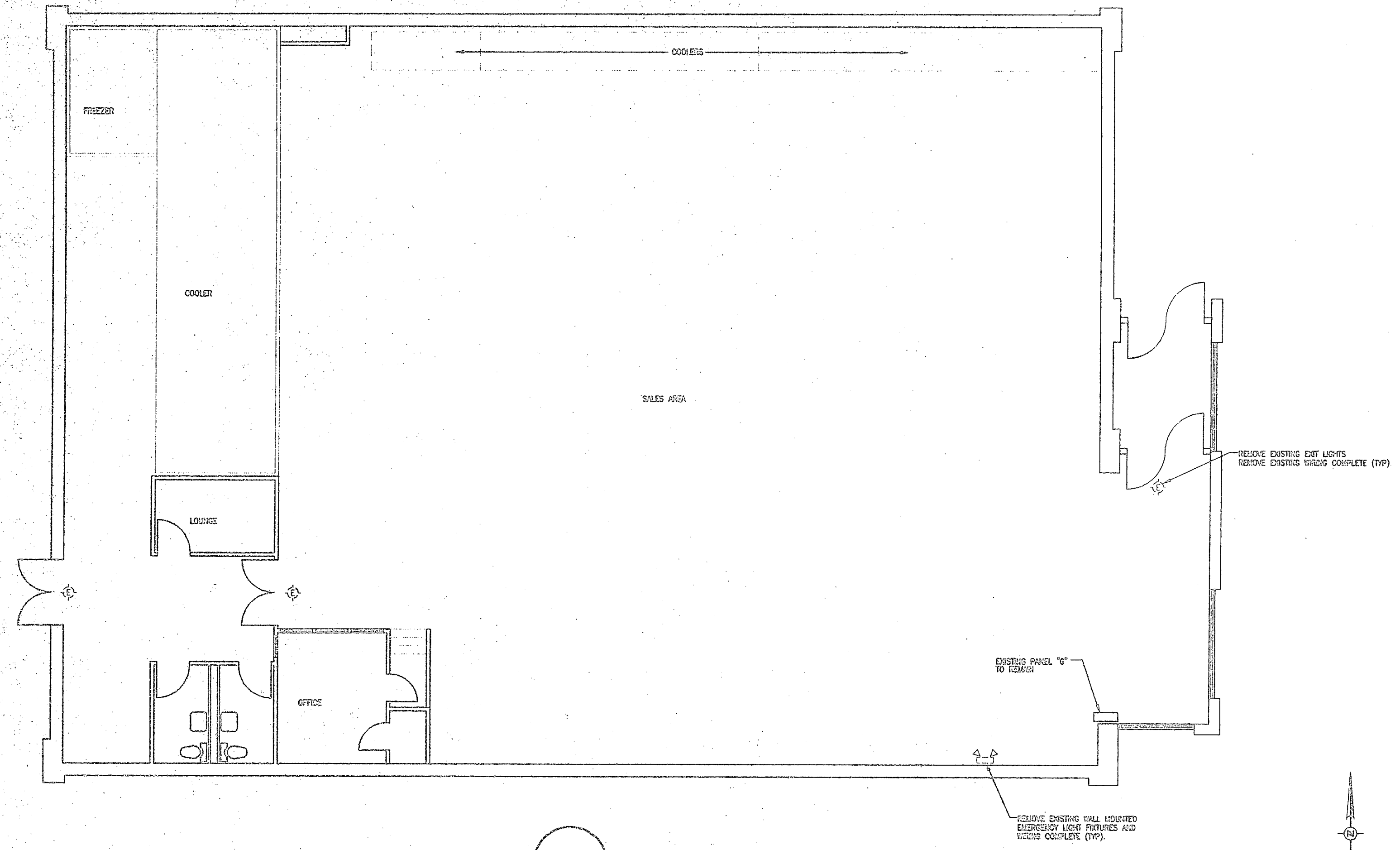
FACILITY ENGINEERING DEPT 005 103		DEPT OF NAVY NAVAL FACILITIES ENGINEERING CENTER	
DES: LMD		CHECKED: LMD	
DR: ALC		SUPV: LMD	
IN CH: LMD		APPROVED BY: DATE	
SATISFACTORY TO: DATE		PROJECT NO. 107-070-05-D-1403	
DRAWN BY: DIEBLE & FLEISHER, P.A.		PROJECT NO. 107-070-05-D-1403	

**E-30**

**INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING USO-1**  
 PROJECT NO. 107-070-05-D-1403  
 SHEET 05 OF 05

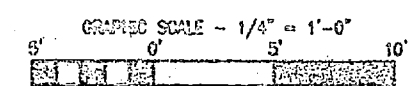


REVISIONS	

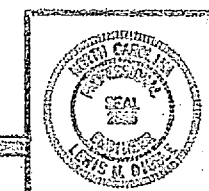


1  
E-31 E-31 BUILDING TT-2478 - DEMOLITION  
1/4" = 1'-0"

- DEMOLITION NOTES:**
1. REMOVE ALL EXISTING EXIT LIGHT FIXTURES AND EXISTING WIRING COMPLETE.
  2. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CIRCUIT IN WALLS.



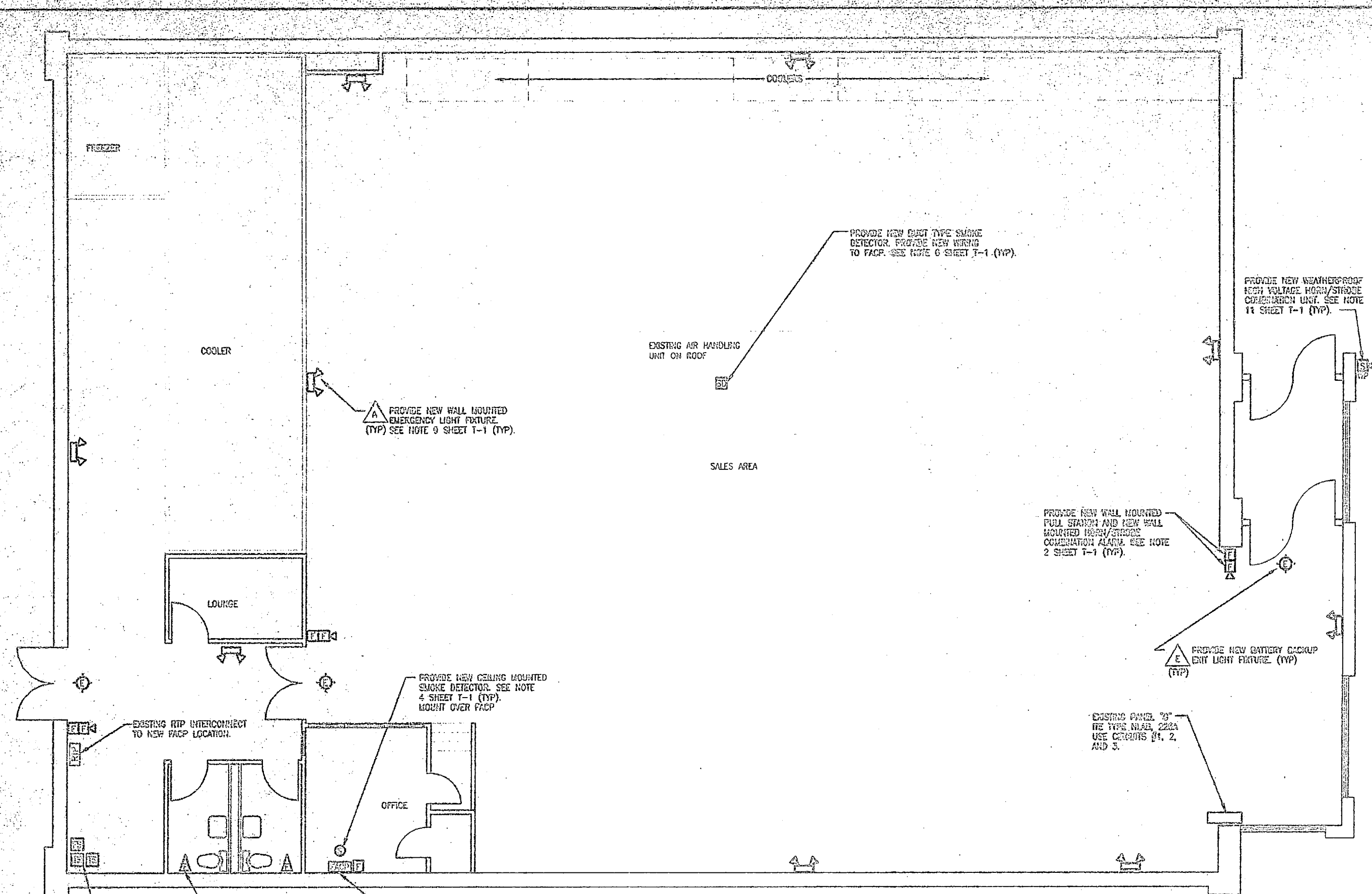
DESIGNED BY  
DIGBLE & FLEISSER, P.A.



100% SUBMITTAL DO NOT USE FOR CONSTRUCTION		FACILITY OPERATOR'S COPY (SEE NO.)	DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND
DES LMD	DATE	NAVFAC CORP BASE CAMP USINE NO.	
DEL ALC	DATE	INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING TT-2478	
CHK LMD	DATE	PROJECT NO. N02620-85-0-1432	
DRY LMD	DATE	DRAWING NO. NAVFAC DRAWING NO.	
IN CH LMD	DATE	SCALE: 1/4" = 1'-0"	SHEET 53 OF 60
APPROVED BY OR DATE	DATE	NO. 60031	ISSUED BY
SATISFACTORY TO	DATE	DRAWING NO. N02620-85-0-1432	

E-31

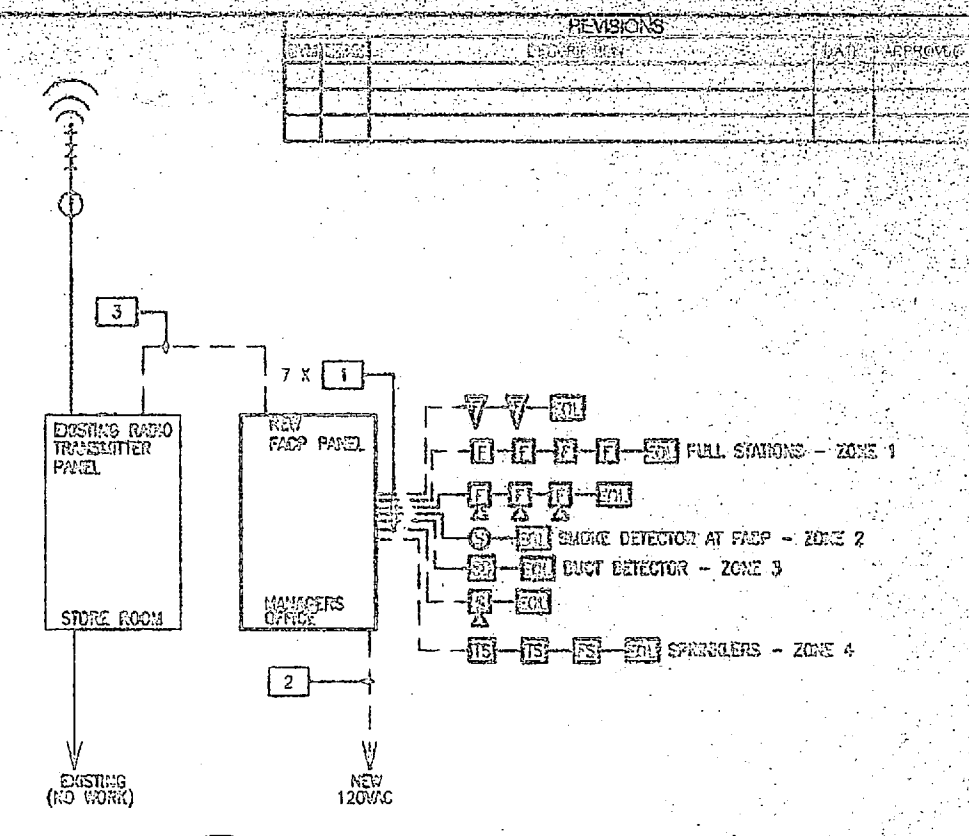




**1**  
E-32 E-32  
**BUILDING TT-2478 FLOOR PLAN - INSTALLATION**  
1/4" = 1'-0"

**INSTALLATION NOTES:**

1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL 'G'. PROVIDE NEW 1 POLE CIRCUIT BREAKER IN PANEL 'G'. PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING FULL STATIONS, HORN/STROBE / VISUAL ALARMS. SURFACE MOUNT FULL STATIONS AT 5'4" ABOVE FINISHED FLOOR TO TOP OF BOX MOUNT HORN/STROBE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. INTERCONNECT EXISTING SPRINKLER SYSTEM INTO NEW FACP TO PROVIDE FLOW AND TRIPPER SIGNALS.
5. MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
6. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
7. UTILIZE SUSPENDED CEILING (SEA) TO ROUTE EXIT CIRCUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND REMOVE EXPOSED RACEWAY FROM WALL TO DEVICE LOCATIONS. PROVIDE BACK EDGES FOR DEVICES AND INTERCONNECT TO RACEWAY FROM RACEWAY TO MATCH EXISTING WALL FINISH. UNLESS OTHERWISE NOTED.

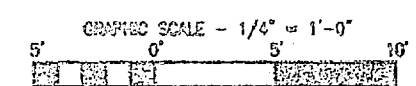


**2**  
E-32 E-32  
**BUILDING TT-2478 ONE LINE DIAGRAM**  
TWS

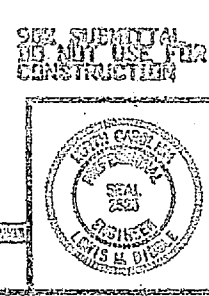
PROVIDE CIRCUIT BREAKER HORN/STROBE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

**CONDUIT AND WIRE SCHEDULES**

1. (2) #14 AWG CU THHN/THWN UNBUNDLED CONDUCTORS, (1) #14 AWG CU THHN/THWN GROUNDING CONDUCTOR 3/4" CONDUIT
2. (1) #12 AWG CU THHN/THWN UNBUNDLED CONDUCTOR, (1) #12 AWG CU THHN/THWN NEUTRAL CONDUCTOR, (1) #12 AWG CU THHN/THWN GROUNDING CONDUCTOR 3/4" CONDUIT
3. (2) #14 AWG CU THHN/THWN UNBUNDLED CONDUCTORS, (1) #14 AWG CU THHN/THWN GROUNDING CONDUCTOR, (2) #14 AWG CU THHN/THWN SPARE CONDUCTORS. 1" CONDUIT



DESIGNED BY: **SEBLE & FLEISHER, P.A.**



DES	LMD
DR	ALC
CHK	LMD
APPV	LMD
BY EN	LMD
APPROVED ON ODC DATE	
SATISFACTORY TO	DATE

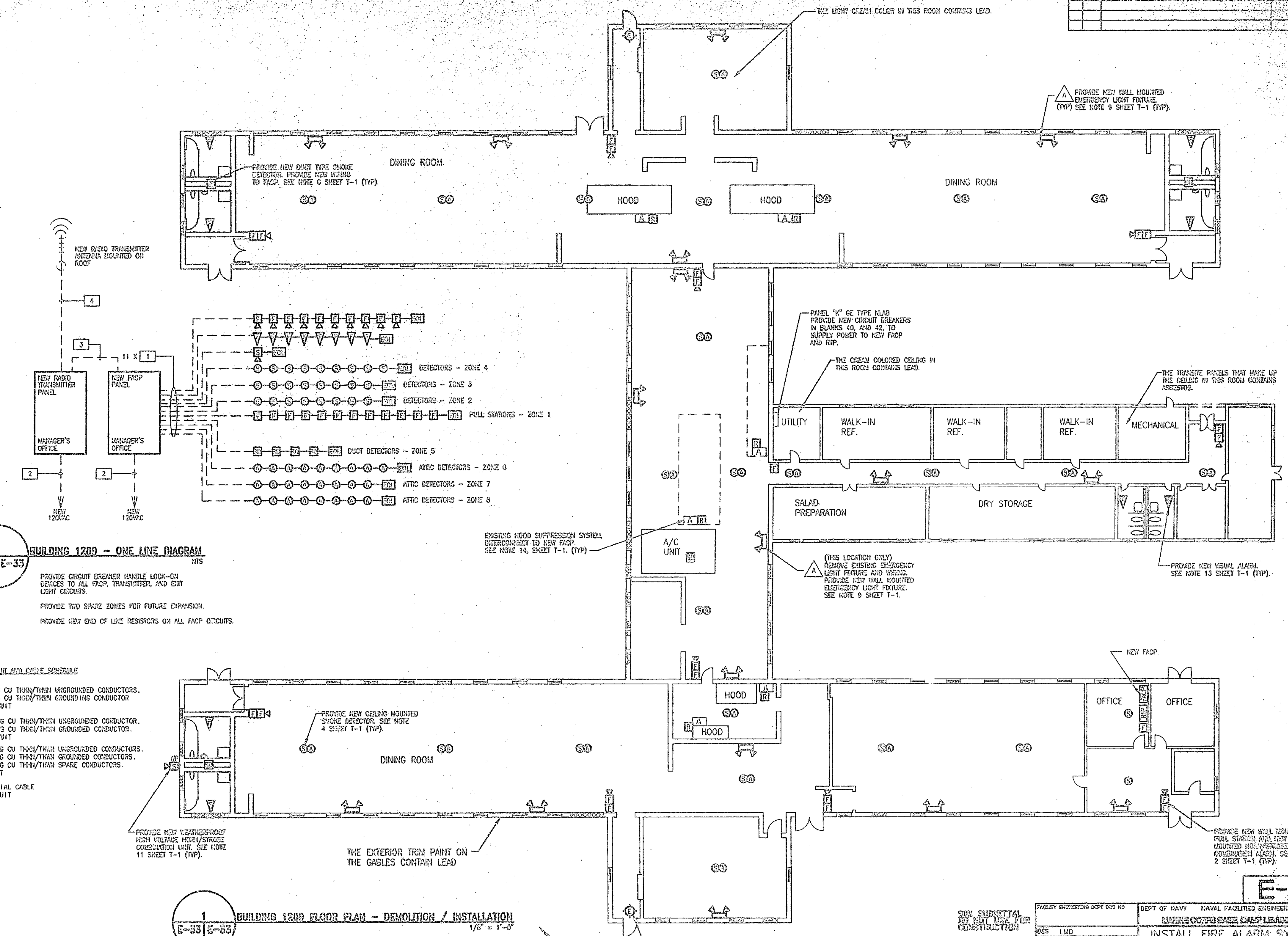
PROJECT NO. 192478-32-1-1000	
PROJECT NAME: <b>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING TT-2478</b>	
DATE: 05-03-1999	SHEET NO. 07

**E-32**





SYMBOL	DESCRIPTION	DATE	APPROVED



**2 BUILDING 1209 - ONE LINE DIAGRAM**  
NTS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

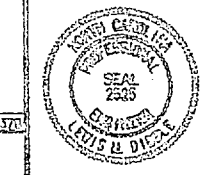
**CONDUIT AND CABLE SCHEDULE**

1. (2) #14 AWG CU THRU/THIN UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THRU/THIN GROUNDED CONDUCTOR  
3/4" CONDUIT
2. (1) #10 AWG CU THRU/THIN UNGROUNDED CONDUCTOR.  
(1) #10 AWG CU THRU/THIN GROUNDED CONDUCTOR.  
3/4" CONDUIT
3. (0) #14 AWG CU THRU/THIN UNGROUNDED CONDUCTORS.  
(1) #14 AWG CU THRU/THIN GROUNDED CONDUCTORS.  
(2) #14 AWG CU THRU/THIN SPARE CONDUCTORS.  
1" CONDUIT
4. RG-59 COAXIAL CABLE  
3/4" CONDUIT

**1 BUILDING 1209 FLOOR PLAN - DEMOLITION / INSTALLATION**  
1/8" = 1'-0"

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

NOV. SUBMITTAL  
BY MAIL USE P/18  
CONSTRUCTION

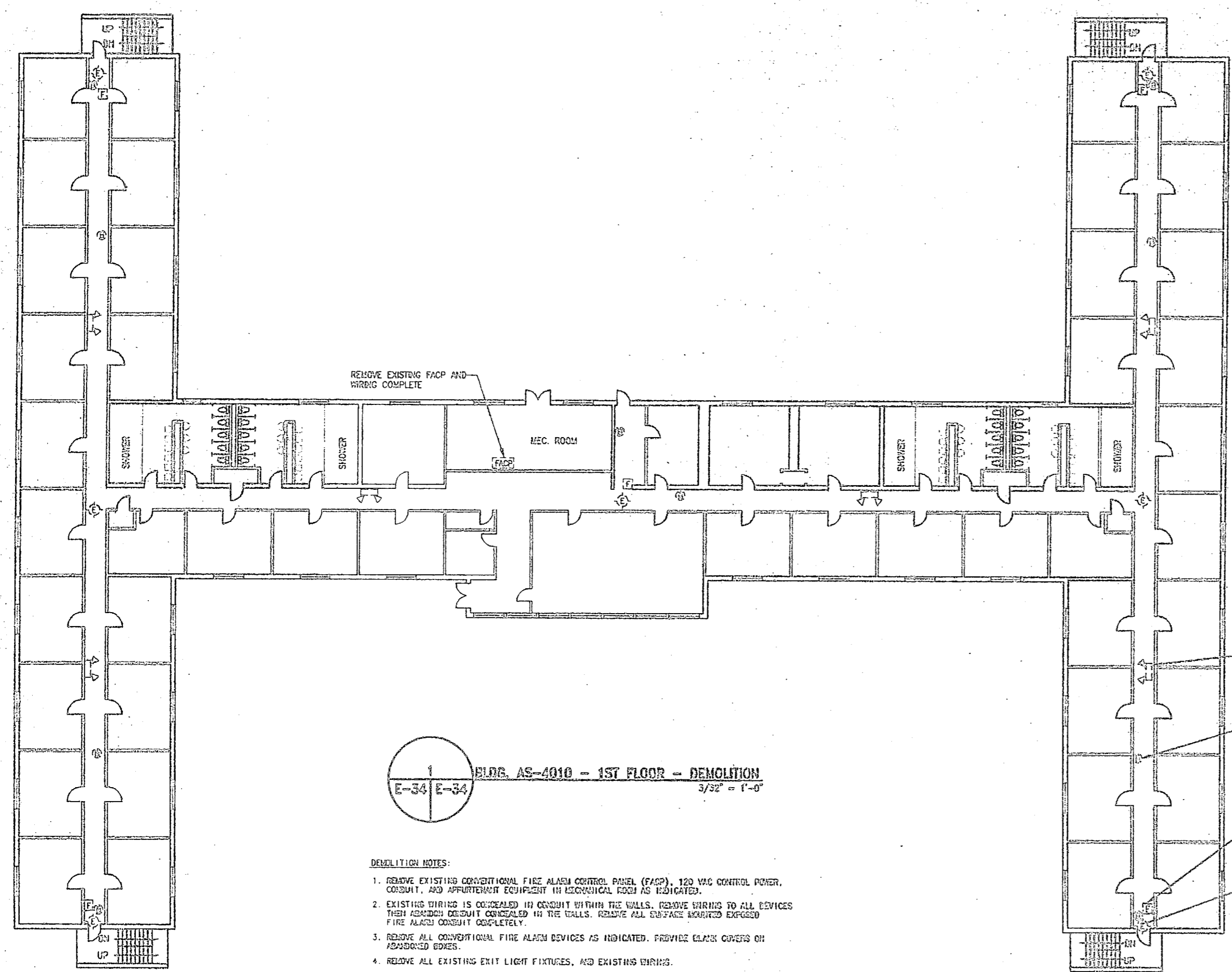


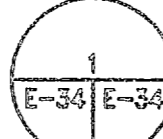
FAMILY DESIGNER COPY AND NO.		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES LND		NAVAL CONSTRUCTION CENTER	
DES ASJ		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING 1209 PROJECT NO. NS2470-06-B-4411	
DES LND		NAVAL DRAWING NO.	
DES LND		DRAWING NO. 00001	
DES LND		DATE 05-09-4411	
DES LND		SHEET 57 OF	

**E-33**



REVISIONS			
NO.	DESCRIPTION	DATE	INITIALS

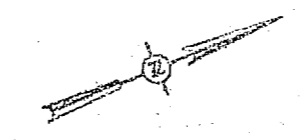



**BUILDG. AS-4010 - 1ST FLOOR - DEMOLITION**  
 E-34 E-34  
 3/32" = 1'-0"

- DEMOLITION NOTES:**
1. REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP), 120 VAC CONTROL POWER, CONDUIT, AND APPURTENANCE EQUIPMENT IN MECHANICAL ROOM AS INDICATED.
  2. EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS. REMOVE WIRING TO ALL DEVICES THEN REMOVE CONDUIT CONCEALED IN THE WALLS. REMOVE ALL SURFACE MOUNTED EXPOSED FIRE ALARM CONDUIT COMPLETELY.
  3. REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. PROVIDE BLACK COVERS ON ADJACENT EDGES.
  4. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, AND EXISTING WIRING.
  5. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. REMOVE CONDUIT IN WALLS. PROVIDE BLACK COVER ON ALL ADJACENT EDGES.
  6. MAINTAIN EXISTING FIRE ALARM CONTROL SYSTEM UNTIL CUTOVER. MINIMIZE DOWNTIME. FIRE ALARM SYSTEM TO BE OPERATIONAL AT EVENING OF CUTOVER DAY.

THE FLOOR TILES AND LUSTICS CONTAINS ASBESTOS.

- REMOVE EXISTING WALL MOUNTED EMERGENCY LIGHT FIXTURES AND WIRING COMPLETE (N/P).
- REMOVE EXISTING WALL MOUNTED ALARM BELLS AND WIRING COMPLETE (N/P).
- REMOVE EXISTING WALL MOUNTED FIRE ALARM PULL STATION AND WIRING COMPLETE (N/P).
- REMOVE EXISTING EXIT LIGHTS REMOVE EXISTING WIRING COMPLETE (N/P).



**E-34**

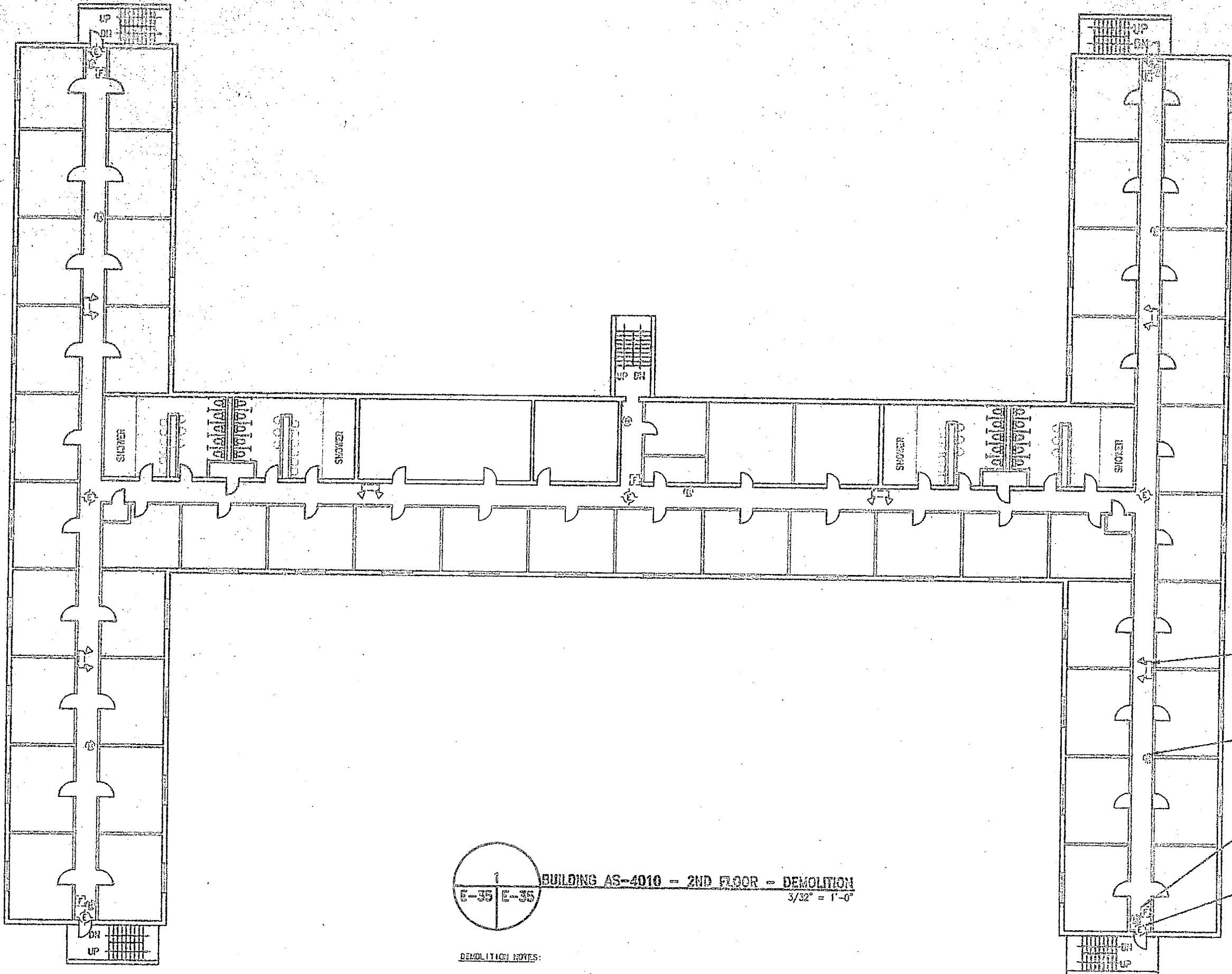
0" 0' 0" 10'  
 GRAPHIC SCALE - 3/32" = 1'-0"

DESIGNED BY  
**DIBBLE & PLEDGER, P.A.**

90% SUBMITTAL DO NOT USE FOR CONSTRUCTION	FACILITY ENGINEERING CLP1 ENG NO 222 1200 222 1200 222 1200 222 1200 222 1200 222 1200 222 1200	DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>NAVAL CORPS BASE, CAMP LEJEUNE, NC</b> <b>INSTALL FIRE ALARM SYSTEM,</b> <b>VARIOUS LOCATIONS</b> <b>BUILDING AS-4010</b> PROJECT NO. NS2076-05-S-4411
	APPROVED ON 1200 DATE SATISFACTORY TO DATE	SEE DRAWING FOR <b>F 80001</b> DRAWING CENTER NO. 222222-2222 NAVAL DRAWING NO.



REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED



- REMOVE EXISTING WALL MOUNTED EMERGENCY LIGHT FIXTURES AND WIRING COMPLETE (TYP).
- REMOVE EXISTING WALL MOUNTED ALARM BELLS AND WIRING COMPLETE (TYP).
- REMOVE EXISTING WALL MOUNTED FIRE ALARM PULL STATION AND WIRING COMPLETE (TYP).
- REMOVE EXISTING EXIT LIGHTS REMOVE EXISTING WIRING COMPLETE (TYP).

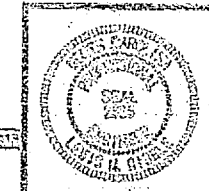
**BUILDING AS-4010 - 2ND FLOOR - DEMOLITION**  
 3/32" = 1'-0"

- DEMOLITION NOTES:**
1. EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS. REMOVE WIRING TO ALL DEVICES THEN REMOVE CONDUIT CONCEALED IN THE WALLS. REMOVE ALL SURFACE MOUNTED CONDUIT FIRE ALARM CONDUIT COMPLETELY.
  2. REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. PROVIDE BLANK COVERS ON ADJACENT EDGES.
  3. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, AND EXISTING WIRING.
  4. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. REMOVE CONDUIT IN WALLS. PROVIDE BLANK COVER ON ALL ADJACENT EDGES.

SEE PLANS FILED AND LISTED CERTAIN ACCESSORIES.

GRAPHIC SCALE - 3/32" = 1'-0"

DO NOT SUBMIT FOR CONSTRUCTION



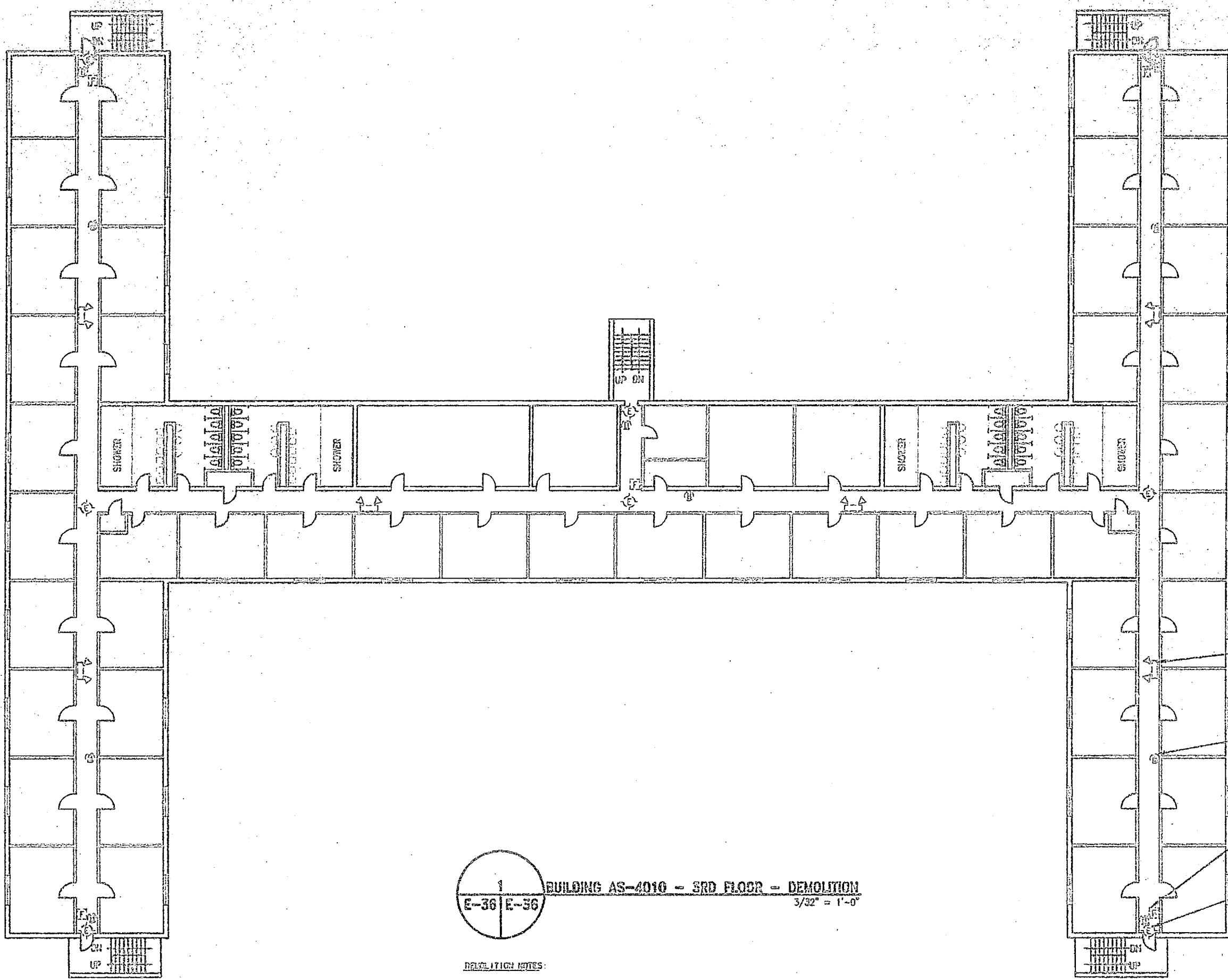
DESIGNED BY  
**DEBLE & FREDER, P.A.**

DEPT. OF NAVY <b>NAVAL FACILITIES ENGINEERING COMMAND</b> <b>NAVFAC CORPS BASE CAMP LEAKE, NC.</b> <b>INSTALL FIRE ALARM SYSTEM,</b> <b>VARIOUS LOCATIONS,</b> <b>BUILDING AS-4010</b> PROJECT NO. 162470-718-D-4011	DRAWING NO. 162470-718-D-4011 SHEET NO. 1 OF 1
APPROVED ON THIS DATE DATE SATISFACTORY TO	DRAWING NO. 162470-718-D-4011 SHEET NO. 1 OF 1

**E-35**



REVISIONS			
NO.	DATE	DESCRIPTION	BY

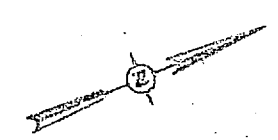


**BUILDING AS-4010 - 3RD FLOOR - DEMOLITION**  
 E-36 E-56  
 3/32" = 1'-0"

- DEMOLITION NOTES:**
- EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS. REMOVE WIRING TO ALL DEVICES WITH EXCEPTION CONDUIT CONCEALED IN THE WALLS. REMOVE ALL SURFACE MOUNTED EXPOSED FIRE ALARM CONDUIT COMPLETELY.
  - REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. PROVIDE BLACK COVERS ON EXPOSED ENDS.
  - REMOVE ALL EXISTING EXIT LIGHT FIXTURES, AND EXISTING WIRING.
  - REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CONDUIT IN WALLS. PROVIDE BLACK COVER ON ALL EXPOSED ENDS.

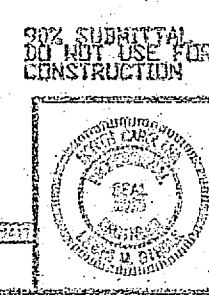
THE FLOOR TILES AND LUSTICO CONTAINS ASBESTOS.

- REMOVE EXISTING WALL MOUNTED EMERGENCY LIGHT FIXTURES AND WIRING COMPLETE (TYP).
- REMOVE EXISTING WALL MOUNTED ALARM BELLS AND WIRING COMPLETE (TYP).
- REMOVE EXISTING WALL MOUNTED FIRE ALARM PULL STATION AND WIRING COMPLETE (TYP).
- REMOVE EXISTING EXIT LIGHTS. REMOVE EXISTING WIRING COMPLETE (TYP).



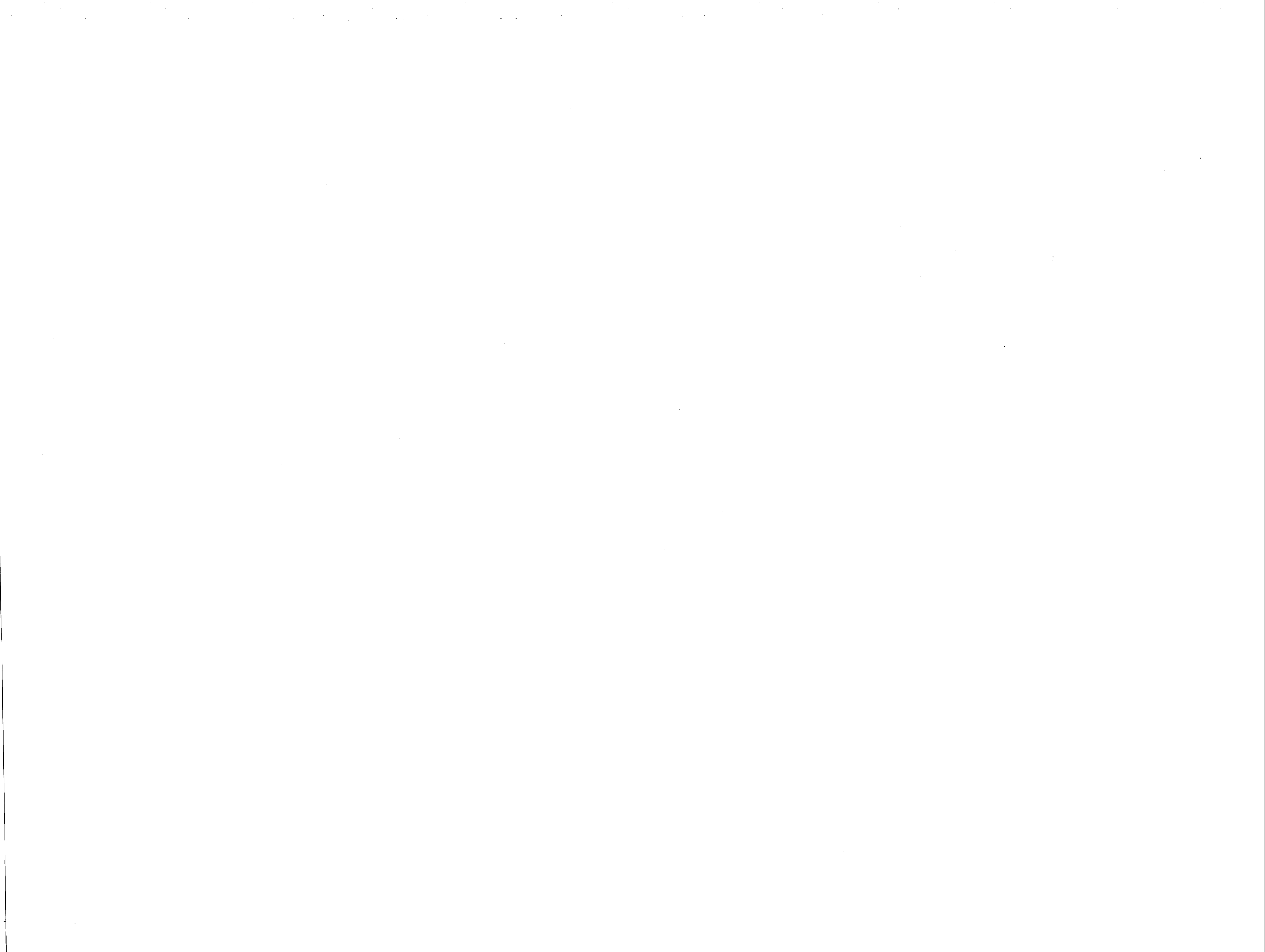
GRAPHIC SCALE - 3/32" = 1'-0"

DESIGNED BY  
 DIEBLE & PLEDGER, P.A.



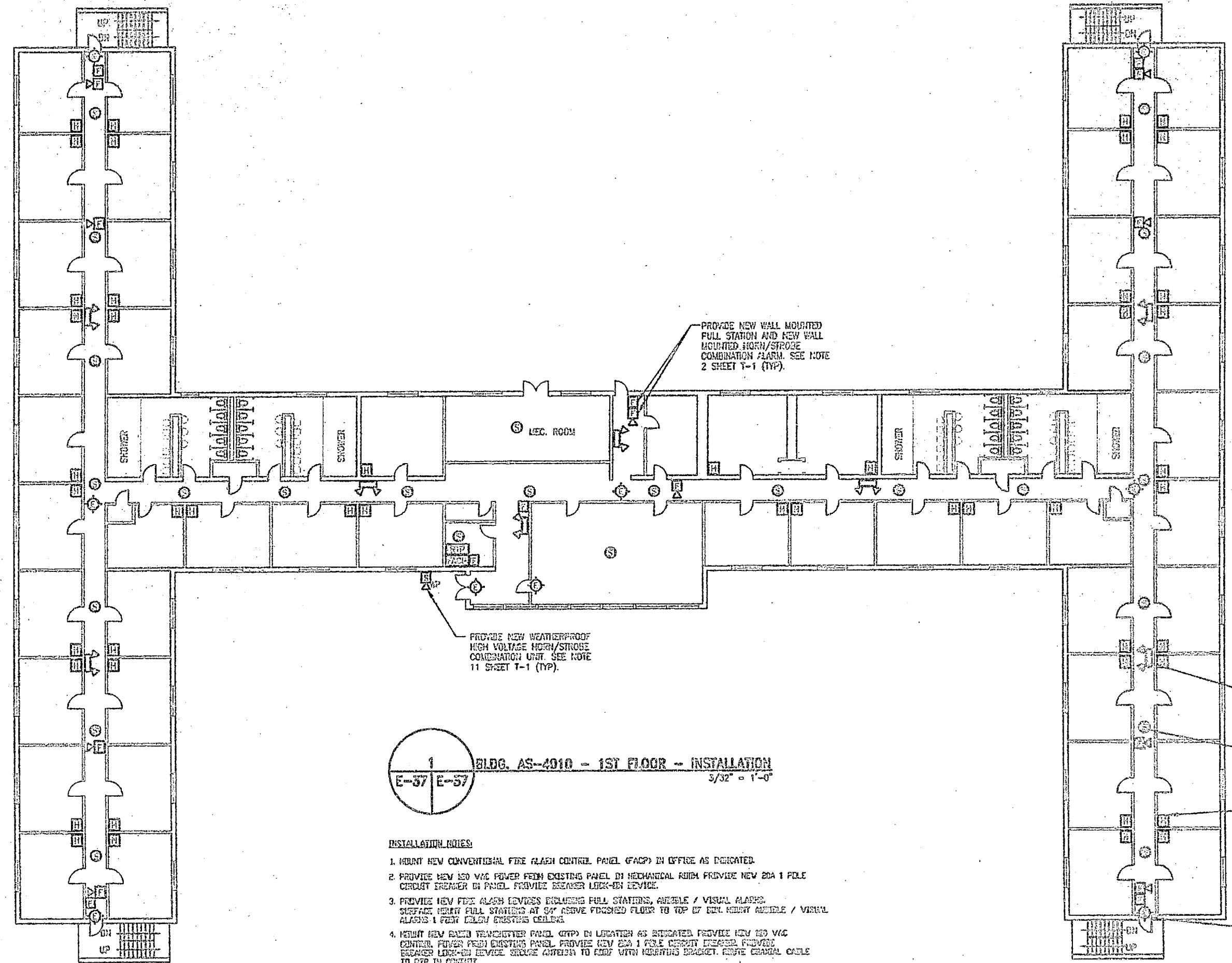
30% SUBMITTAL DO NOT USE FOR CONSTRUCTION		NAVY DISBURSING OFFICE NO. 10721 DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE, CAMP LEJEUNE, NC.
DESIGNED BY DIEBLE & PLEDGER, P.A.	CHECKED BY JAC	INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING AS-4010 PROJECT NO. N00-790-00-0-1011
APPROVED BY DATE	DRAWN BY DATE	NAVY DISBURSING OFFICE NO. 10721
MANUFACTURED TO DATE	F 80001	STATE OF NORTH CAROLINA EXPIRES 12-31-2011

**E-36**





REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



PROVIDE NEW WALL MOUNTED FULL STATION AND NEW WALL MOUNTED HORN/SIREN COMBINATION ALARM. SEE NOTE 2 SHEET 1-1 (TYP).

PROVIDE NEW WEATHERPROOF HIGH VOLTAGE HEAT/STROKE COMBINATION UNIT. SEE NOTE 11 SHEET 1-1 (TYP).

PROVIDE NEW WALL MOUNTED EMERGENCY LIGHT FIXTURE. (TYP) SEE NOTE 9 SHEET 1-1 (TYP).

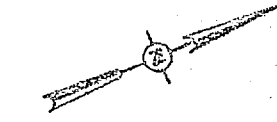
PROVIDE NEW CEILING MOUNTED SMOKE DETECTOR. SEE NOTE 4 SHEET 1-1 (TYP).

PROVIDE NEW HORN/SIREN/ALARM. SEE NOTE 15 SHEET 1-1 (TYP).

PROVIDE NEW ENTRY BACKUP EXIT LIGHT FIXTURE. (TYP) EXISTING CIRCUIT. (TYP)

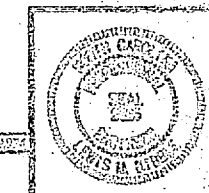
1 BLDG. AS-4010 - 1ST FLOOR - INSTALLATION  
E-37 E-37  
3/32" = 1'-0"

- INSTALLATION NOTES**
1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE AS DESIGNATED.
  2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL IN MEDICAL ROOM PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-IN DEVICE.
  3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING FULL STATIONS, ANNUCLE / VISUAL ALARMS. SURFACE MOUNT FULL STATIONS AT 5'4" ABOVE FINISHED FLOOR TO TOP OF EXH. HORN/SIREN / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
  4. MOUNT NEW RAIN TIGHT WEATHER PANEL (RTP) IN LOCATION AS DESIGNATED PROVIDE NEW 120 VAC CIRCUIT FROM EXISTING PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER PROVIDED BREAKER LOCK-IN DEVICE. SECURE APPROX. TO 1" WITH MOUNTING BRACKET. ROUTE SIGNAL CABLE TO RTP IN CONDUIT.
  5. MOUNT NEW BAY LIGHTS TO EXISTING EXH LEDS. PULL NEW WIRING FOR CONNECTION. PROVIDE BREAKER LOCK-IN DEVICE.
  6. MOUNT NEW EMERGENCY LIGHTS FIXTURE TO NEW LEDS. EMERGENCY CIRCUIT TO LINE SIDE OF LEGAL SWITCH. EMERGENCY LIGHTS SURFACED CEILING.
  7. UTILIZE SURFACED CEILING AREA TO ROUTE EXIT CIRCUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSMIT TO SURFACE METAL RACEWAY AND SECURE EXPOSED RACEWAY FROM WALL TO DEVICE LOCATION. PROVIDE DARK COVER FOR DEVICES AND EMERGENCY TO RACEWAY. PATCH RACEWAY TO MATCH EXISTING WALL FINISH UNLESS OTHERWISE NOTED.
  8. MOUNT NEW HORN/SIREN IN ROOM AS DESIGNATED. MOUNT 1 FOOT BELOW EXISTING CEILING LEVEL. PROVIDE NEW CONCRETE AND WIRE BACK TO FACP LOCATION.



GRAPHIC SCALE - 3/32" = 1'-0"

90% SUBMITTAL  
DO NOT USE FOR  
CONSTRUCTION



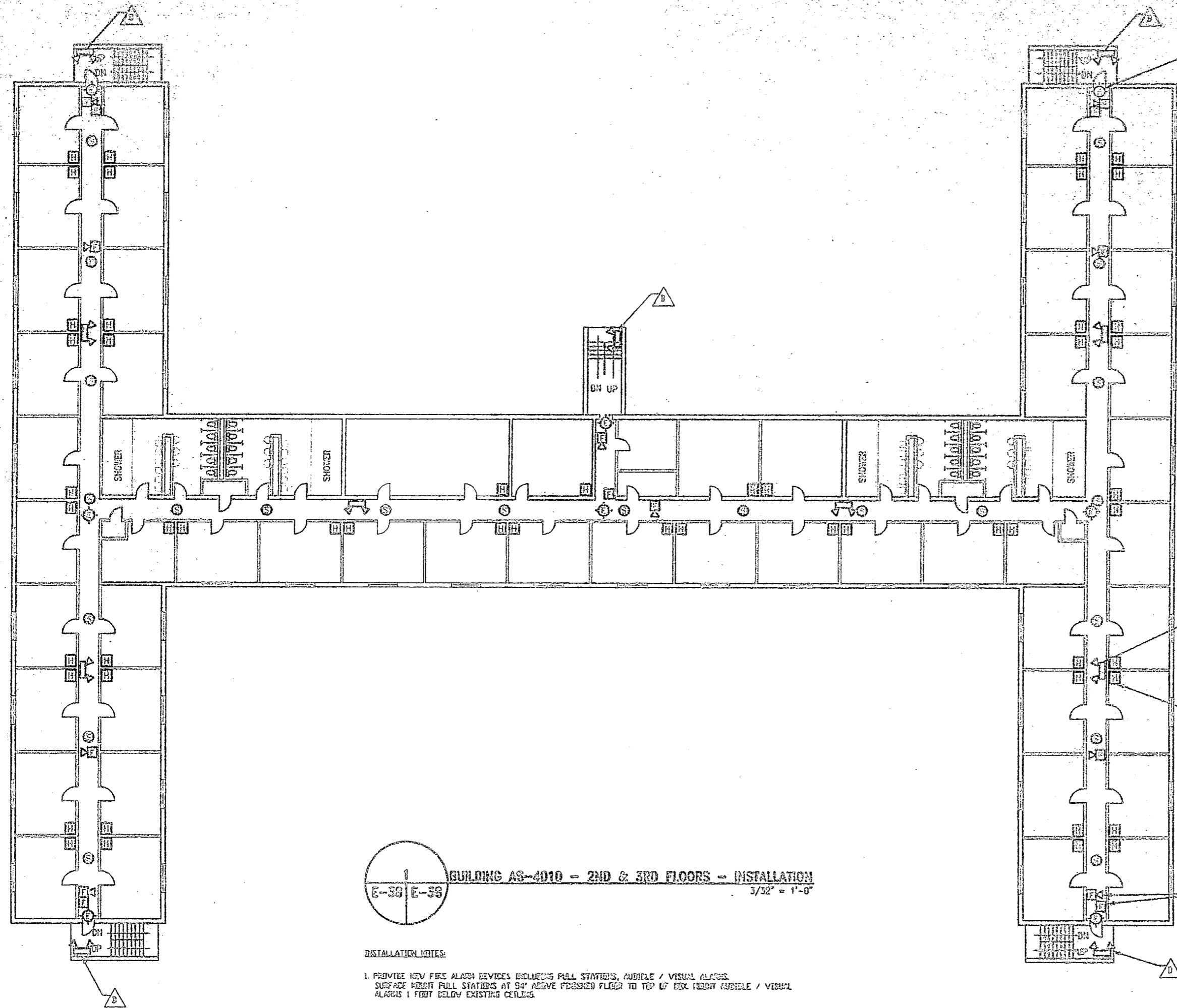
DIBBLE & FLIDGER, P.A.

E-37

FACILITY ENGINEERING DEPT. DRAWING NO.		DEPT. OF NAVY NAVAL FACILITIES ENGINEERING COMBAND	
MARINE CORPS BASE, CAMP LEJUNE, NC.		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING AS-4010	
DESIGNER	DATE	PROJECT NO.	NAVFAC DRAWING NO.
DR. C.C.C.		AS-4010-52-2-4411	
CHKD. L.M.D.			
APP. L.M.D.			
APPROVED FOR CONSTRUCTION	DATE		
F 80081			
SATISFACTORY TO	DATE		



REVISIONS		
NO.	DESCRIPTION	DATE



PROVIDE NEW BATTERY BACKUP  
EXIT LIGHT FIXTURE, PENCE  
(TP) SEE NOTE 9 SHEET T-1 (TP)

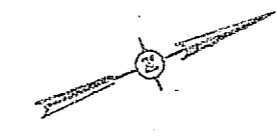
PROVIDE NEW WALL MOUNTED  
EMERGENCY LIGHT FIXTURE  
(TP) SEE NOTE 9 SHEET T-1 (TP)

PROVIDE NEW MCM AMBULANCE  
ALARM. SEE NOTE 15 SHEET T-1 (TP)

PROVIDE NEW WALL MOUNTED  
FULL STATION AND NEW WALL  
MOUNTED PULL STATION  
COMBINATION ALARM. SEE NOTE  
2 SHEET T-1 (TP)

**BUILDING AS-4010 - 2ND & 3RD FLOORS - INSTALLATION**  
E-38 E-39 3/32" = 1'-0"

- INSTALLATION NOTES:**
1. PROVIDE NEW FIRE ALARM DEVICES (INCLUDES FULL STATIONS, AUDIBLE / VISUAL ALARMS, SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF EXH. (BROW) CABINET / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING).
  2. MOUNT NEW EXIT LIGHTS TO EXISTING EXH LOCATIONS. PULL NEW WIRES PER CONNECTION. PROVIDE BEZELER LEG-ON DEVICE.
  3. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATION. INTERCONNECT CIRCUIT TO LOG SITE OF LEGAL SYSTEM. INTERCONNECT ABOVE SUSPENDED CEILING.
  4. UTILIZE SUSPENDED CEILING AREA TO ROUTE CMT CIRCUIT FROM NEW FAX TO NEW DEVICE LOCATIONS. TRANSMIT TO SURFACE METAL DUCTWORK AND WHITE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE DUCT WORK PER REVISED AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH (UNLESS OTHERWISE NOTED).
  5. MOUNT NEW HOA-NEONS IN ROOMS AS INDICATED ABOUT 1 FOOT BELOW EXISTING CEILING LEVEL. PROVIDE NEW CIRCUIT AND WIRE BACK TO PUMP LOCATIONS.



GRAPHIC SCALE - 3/32" = 1'-0"

50% SUBMITTAL  
DO NOT USE FOR  
CONSTRUCTION



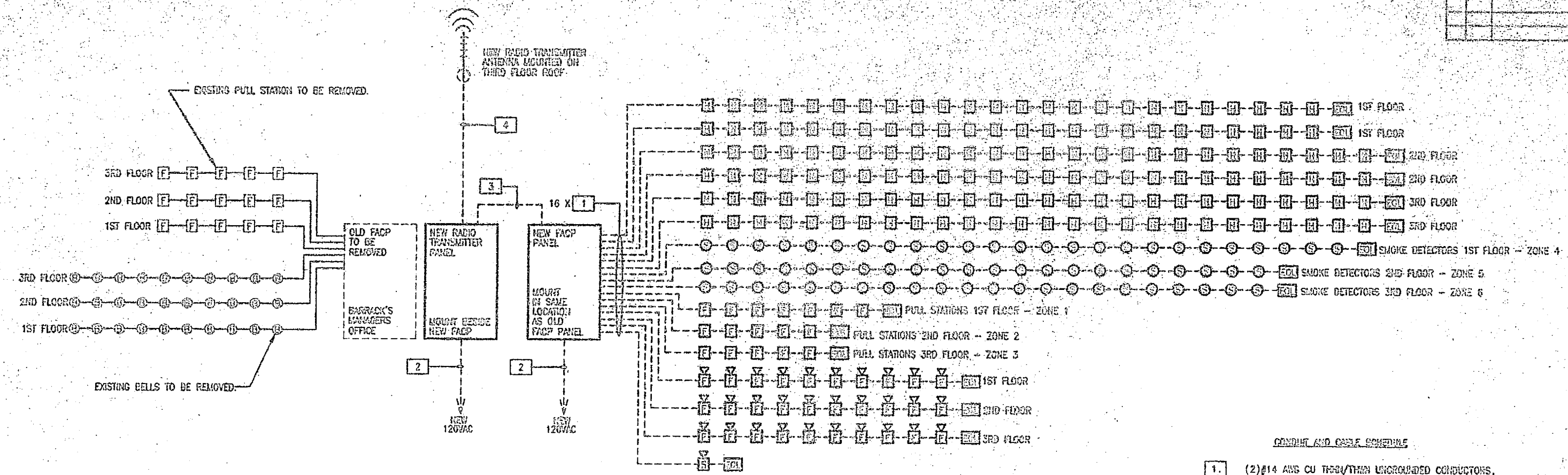
DESIGNER: RIBBLE & FLEDGER, P.A.

**E-38**

FACILITY ENGINEERING DEPT CNO 193		DEPT OF NAVY - NAVAL FACILITIES ENGINEERING COMMAND	
MARINE CORPS BASE CAMP LEAKE, N.C.		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING AS-4010 PROJECT NO. 137270-58-B-4511	
DESIGN	DATE	DATE	DATE
CHKD	DATE	DATE	DATE
COPY	DATE	DATE	DATE
APP. (REVISED OR CHG) DATE	DATE	DATE	DATE
MANUFACTURED TO	DATE	DATE	DATE
NO. 80081	DATE	DATE	DATE
DRAWING NO.		SHEET 48 OF 49	



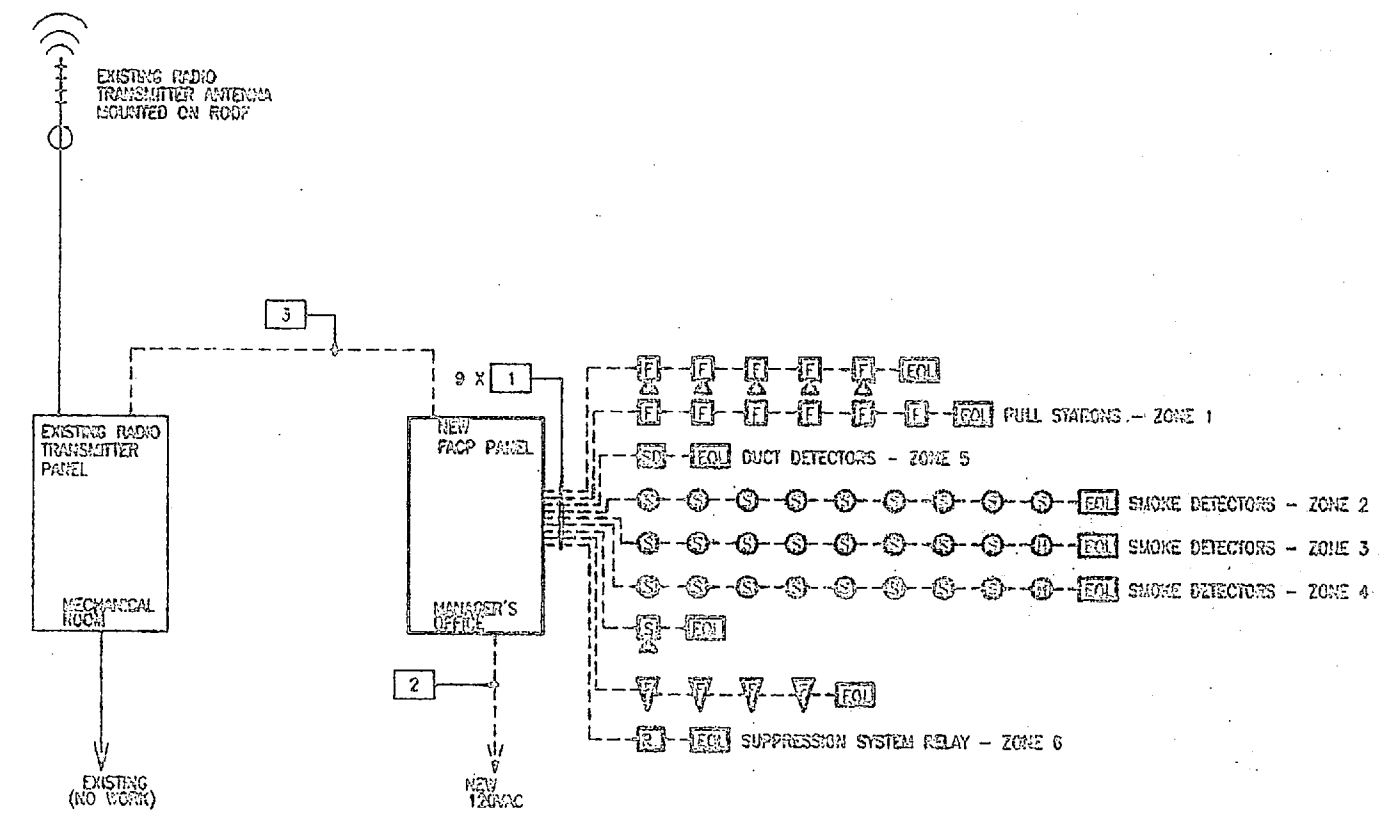
REV	DATE	DESCRIPTION



**1 BUILDING AS-4010 - ONE LINE DIAGRAM**  
 E-39 E-39 IFS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

- CONDUIT AND CABLE SCHEDULE**
- 1. (2) #14 AWG CU THRU/THIN UNGROUNDING CONDUCTORS,  
(1) #14 AWG CU THRU/THIN GROUNDING CONDUCTOR  
3/4" CONDUIT
  - 2. (1) #10 AWG CU THRU/THIN UNGROUNDING CONDUCTOR,  
(1) #10 AWG CU THRU/THIN GROUNDING CONDUCTOR,  
3/4" CONDUIT
  - 3. (8) #14 AWG CU THRU/THIN UNGROUNDING CONDUCTORS,  
(1) #14 AWG CU THRU/THIN GROUNDING CONDUCTOR,  
(2) #14 AWG CU THRU/THIN SPARE CONDUCTORS,  
1" CONDUIT
  - 4. RG-5U COAXIAL CABLE  
3/4" CONDUIT



**2 BUILDING FC-540 - ONE LINE DIAGRAM**  
 E-39 E-39 IFS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

- CONDUIT AND CABLE SCHEDULE**
- 1. (2) #14 AWG CU THRU/THIN UNGROUNDING CONDUCTORS,  
(1) #14 AWG CU THRU/THIN GROUNDING CONDUCTOR  
3/4" CONDUIT
  - 2. (1) #10 AWG CU THRU/THIN UNGROUNDING CONDUCTOR,  
(1) #10 AWG CU THRU/THIN GROUNDING CONDUCTOR,  
3/4" CONDUIT
  - 3. (8) #14 AWG CU THRU/THIN UNGROUNDING CONDUCTORS,  
(1) #14 AWG CU THRU/THIN GROUNDING CONDUCTOR,  
(2) #14 AWG CU THRU/THIN SPARE CONDUCTORS,  
1" CONDUIT

**E-39**

FOR SUBMITTAL  
 ON NEW USE FOR  
 CONSTRUCTION



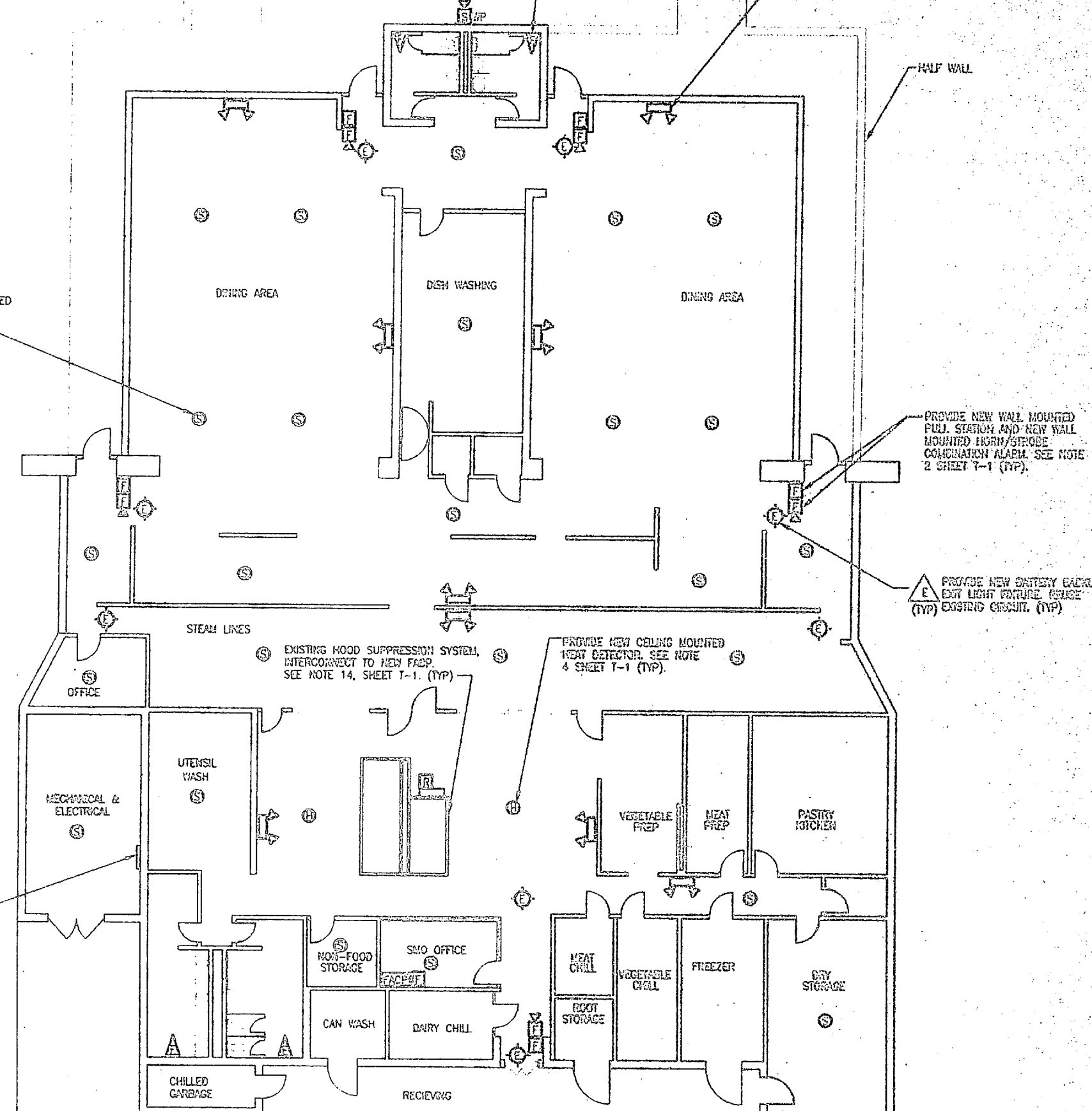
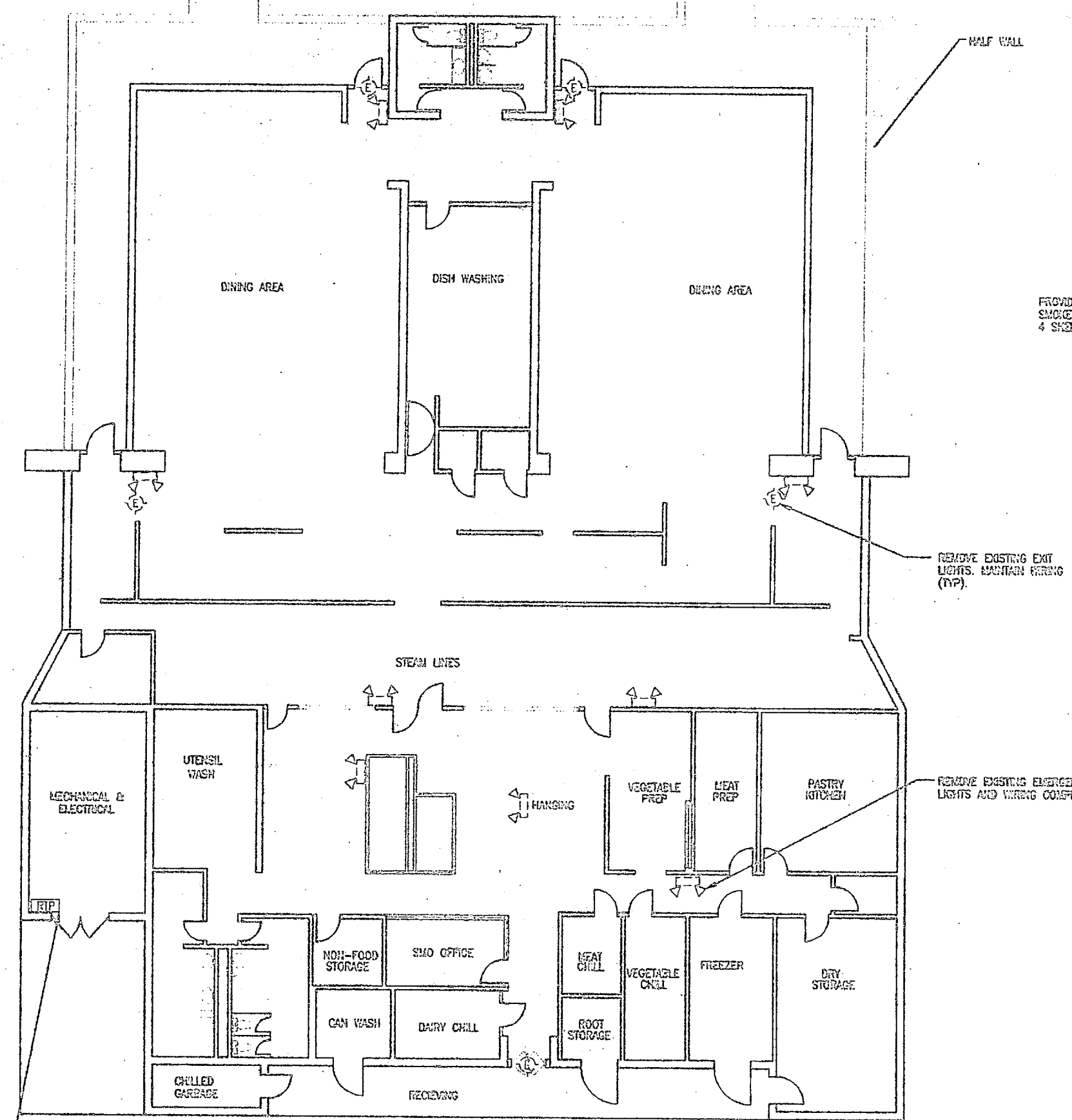
DESIGNED BY	DATE	SCALE	PROJECT NO.
CHECKED BY	DATE	SCALE	PROJECT NO.
APPROVED OR USED DATE		CAD	NUMBER DRAWING NO.
SATISFACTORY TO		DATE	PROJECT NO.

NAVY ENGINEERING DEPT CNO 83  
 U.S. NAVY ENGINEERING COMMAND  
 MARINE CORPS BASE CAMP LEJEUNE NC  
 INSTALL FIRE ALARM SYSTEM,  
 VARIOUS LOCATIONS  
 BUILDING AS-4010 & FC-540  
 PROJECT NO. N18676-00-2-4411

DESIGNED BY  
 DAVID G. FLEISCHER, P.A.



NO.	DESCRIPTION	DATE



EXISTING WTP TO BE INTERCONNECTED TO NEW FACP LOCATION. PROVIDE NEW WIRE AND CONDUIT BETWEEN THE TWO.

PROVIDE NEW DUCT TYPE SMOKE DETECTORS ON ALL ROOFTOP UNITS. PROVIDE NEW WIRING TO FACP. SEE NOTE 6 SHEET T-1 (TYP).

**1**  
E-40/E-40  
**BUILDING FC-540 - DEMOLITION**  
1/8" = 1'-0"

**2**  
E-40/E-40  
**BUILDING FC-540 - INSTALLATION**  
1/8" = 1'-0"

- DEMOLITION NOTES:**
- EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS. REMOVE WIRING TO ALL DEVICES THEN ABANDON CONDUIT CONCEALED IN THE WALLS. REMOVE ALL SURFACE MOUNTED EXPOSED FIRE ALARM CIRCUIT COMPLETELY.
  - REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. PROVIDE BLANK COVERS ON ABANDONED BOXES.
  - REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.
  - REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CONDUIT IN WALLS. PROVIDE BLANK COVER ON ALL ABANDONED BOXES.
  - MAINTAIN EXISTING FIRE ALARM CONTROL SYSTEM UNTIL COVER. MINIMIZE DOWNTIME. FIRE ALARM SYSTEM TO BE OPERATIONAL AT ENDING OF OUTRIGGER DAY.

- INSTALLATION NOTES:**
- MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
  - PROVIDE NEW 120 VAC PANEL FROM EXISTING PANEL "60" IN MECH. / ELEC. ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "60". PROVIDE BREAKER LOCK-ON DEVICE.
  - PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 64" ABOVE FINISHED FLOOR TO TOP OF BOX. SOUND AUDIBLE / VISUAL ALARM 1 FOOT BELOW EXISTING CEILING.
  - REUSE RADIO TRANSMITTER PANEL (RTP) IN MECH./ELEC. ROOM AS INDICATED. PROVIDE NEW WIRE AND CONDUIT AND INTERCONNECT TO NEW FACP LOCATION.
  - PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANEL, AND ROUTE WIRING BACK TO FACP LOCATION.
  - INSTALL NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
  - INSTALL NEW EMERGENCY LIGHTING FIXTURES TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
  - UTILIZE SUSPENDED CEILING AREA TO ROUTE PLY CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND SCREW DOWNED THROUGH DOWN WALL TO DEVICE LOCATION. PROVIDE BACK COVER FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)

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

CONSTRUCTION

DEPT OF NAVY

RAVAIL FACILITIES ENGINEERING COMMAND

STARBUCK COFFEE CAMP LEASE INC.

**INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING FC-540**

PROJECT NO. N6247C-30-0-4511

DATE: 03/09/11

APPROVED BY: [Signature]

DATE: [Date]

DESIGNED BY: [Signature]

DATE: [Date]

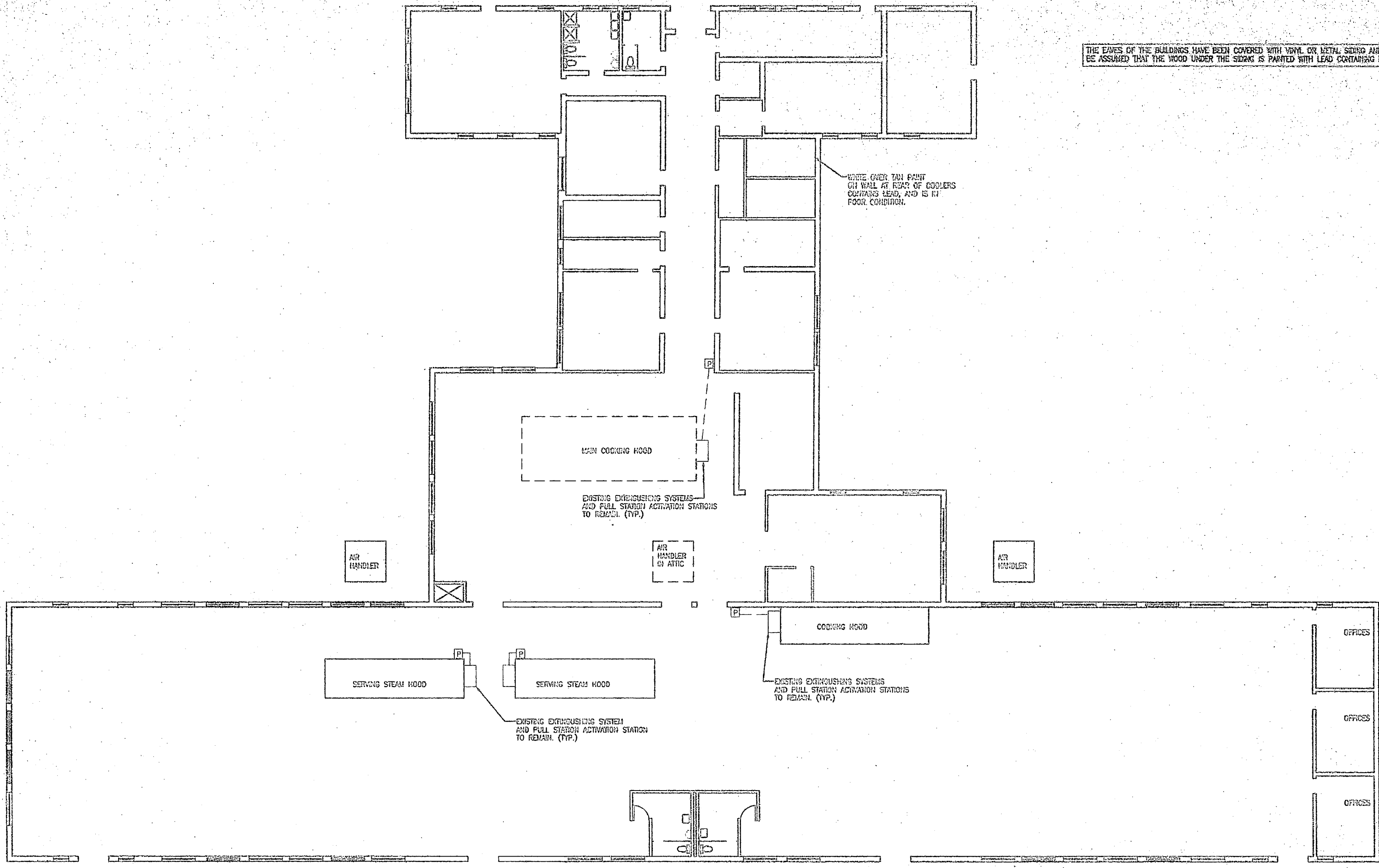
CONSTRUCTION NO. 44



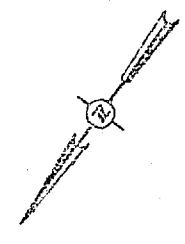


REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED

THE EAVES OF THE BUILDINGS HAVE BEEN COVERED WITH VINYL OR METAL SIDING AND IT MUST BE ASSURED THAT THE WOOD UNDER THE SIDING IS PAINTED WITH LEAD CONTAINING PAINT.



**BUILDING 521 -- FLOOR PLAN - DEMOLITION**  
 1/8" = 1'-0"  
 E-41 E-41  
 SEE DETAIL #1, SHEET E-53 FOR ONE LINE DRAWING.



GRAPHIC SCALE - 1/8" = 1'-0"  
 0' 0' 5' 10'

90% SUBMITTAL  
 DO NOT USE FOR  
 CONSTRUCTION

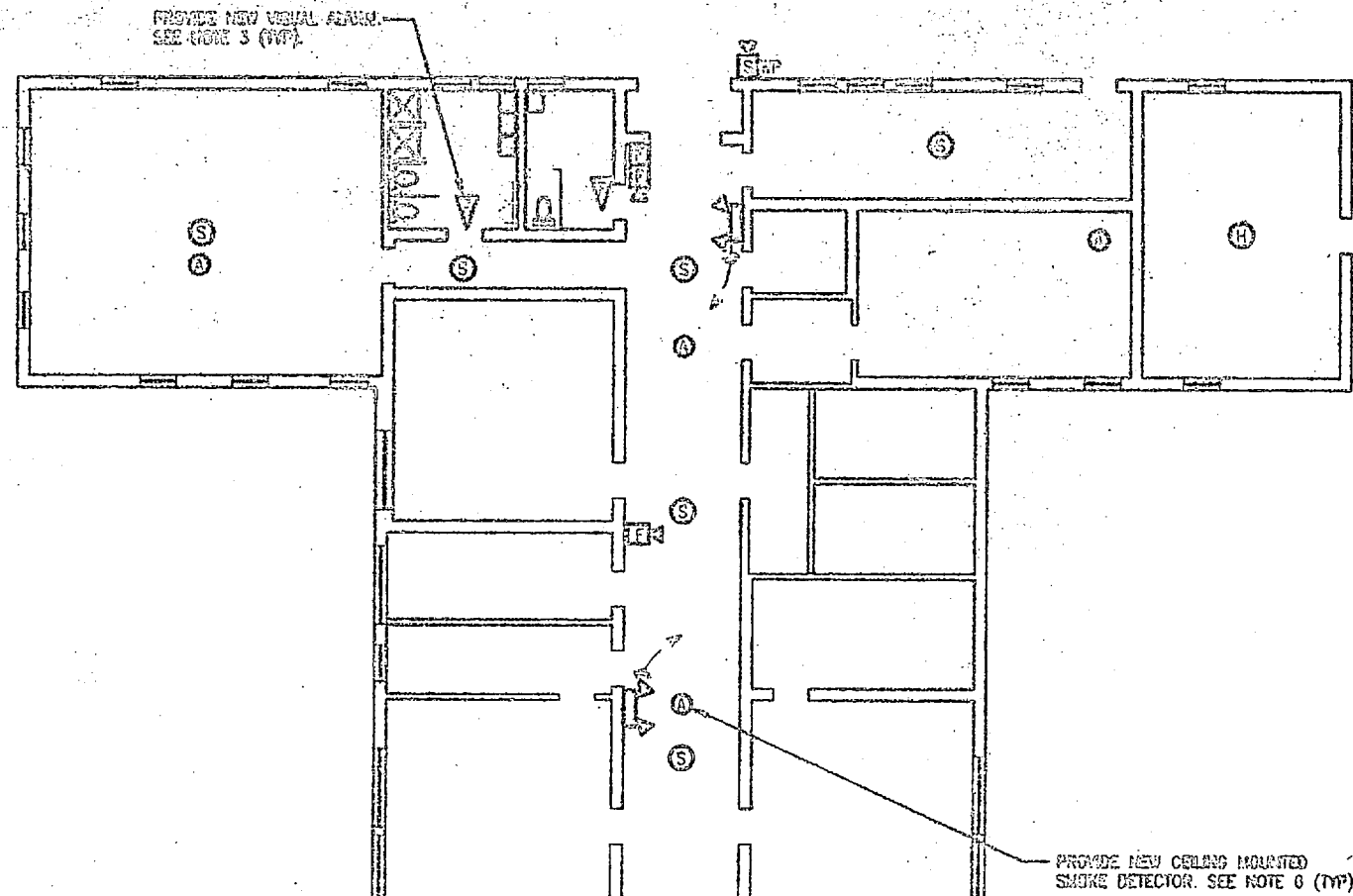


DESIGNED BY  
**DIBLE & FLEDGER, P.A.**

FACILITY ORIGINATOR (CDD FORM NO. 1)		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL CORPS BASE, CAMP LEAKE, NC		PROJECT NO. 1202009-00-0-6511	
INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 521		NAVFAC BRANCO BR	
DATE: 12/10/09	SCALE: AS SHOWN	SIZE: 11x17	PROJECT NO. 1202009-00-0-6511
APPROVED OR LEGAL DATE: 12/10/09	DATE: 12/10/09	NO. 80091	ENGINEER'S NO. 1202009-00-0-6511
CONSPICUOUS TO: 12/10/09	DATE: 12/10/09	SCALE: 1/8" = 1'-0"	SHEET 45 OF 45



REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



**INSTALLATION NOTES:**

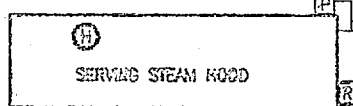
1. MOUNT NEW CONVENTIONAL NON-CODED FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL IN ELECTRICAL ROOM TO NEW FACP LOCATION. PROVIDE NEW 20A 7-POLE CIRCUIT BREAKER IN PANEL "1". PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 64" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "1". PROVIDE NEW 20A 1-POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE FROM ANTENNA TO RTP IN CONDUIT.
5. PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANELS, AND ROUTE WIRING BACK TO NEW FACP LOCATION.
6. PROVIDE NEW SMOKE OR HEAT DETECTORS TO MAINTAIN MINIMUM 3" CLEARANCE FROM AIR INLETS AND OUTLETS.
7. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING WHEN APPLICABLE.
8. UTILIZE SUSPENDED CEILING AREA TO BRANCH FMT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)
9. INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.

▲ PROVIDE NEW WALL MOUNTED EMERGENCY LIGHT FIXTURE (TYP) SEE NOTE 7 (TYP).

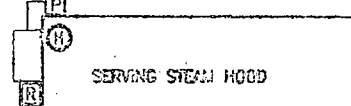
▲ MOUNT NEW SMOKE/HEAT DETECTORS IN EXISTING SUSPENDED CEILING GRID, TYPICAL IN DINING AREA.



SEE NOTE 7 (TYP)



SEE NOTE 5



SEE NOTE 5

EXISTING PANEL 1' SEE NOTE 2

▲ MOUNT NEW SMOKE/HEAT DETECTORS IN EXISTING SUSPENDED CEILING, TYPICAL IN COOKING/FOOD PREP AREAS.

▲ PROVIDE NEW FAN RELAY TO DEENERGIZE THE EXISTING FAN UPON FACP ALARM ACTIVATION (TYP). PROVIDE NEW DUCT TYPE SMOKE DETECTOR. PROVIDE NEW WIRING TO FACP (TYP).

▲ PROVIDE NEW WALL MOUNTED EMERGENCY LIGHT FIXTURE (TYP) SEE NOTE 7.

EXISTING HOOD SUPPRESSION SYSTEM. INTERCONNECT TO NEW FACP. SEE NOTE 5 (TYP).

▲ PROVIDE NEW CEILING MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 6 (TYP).

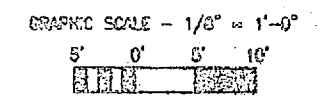
▲ PROVIDE NEW CEILING MOUNTED SMOKE DETECTOR. MOUNT IN ATTIC SEE NOTE 9 (TYP).

▲ PROVIDE NEW FIRE ALARM CONTROL PANEL. SEE NOTE 1. PROVIDE NEW RADIO TRANSMITTER PANEL.

▲ PROVIDE NEW WEATHERPROOF HIGH VOLTAGE HORN/SIGNS/COORDEATION UNIT. SEE NOTE 11 SHEET T-1 (TYP).

▲ PROVIDE NEW WALL MOUNTED PULL STATION AND NEW WALL MOUNTED HORN/SIGNS/COORDEATION ALARM. SEE NOTE 2 SHEET T-1 (TYP).

**BUILDING 521 - FLOOR PLAN - INSTALLATION**  
 1/8" = 1'-0"  
 SEE DETAIL 01, SHEET E-33 FOR ONE LINE DIAGRAM.



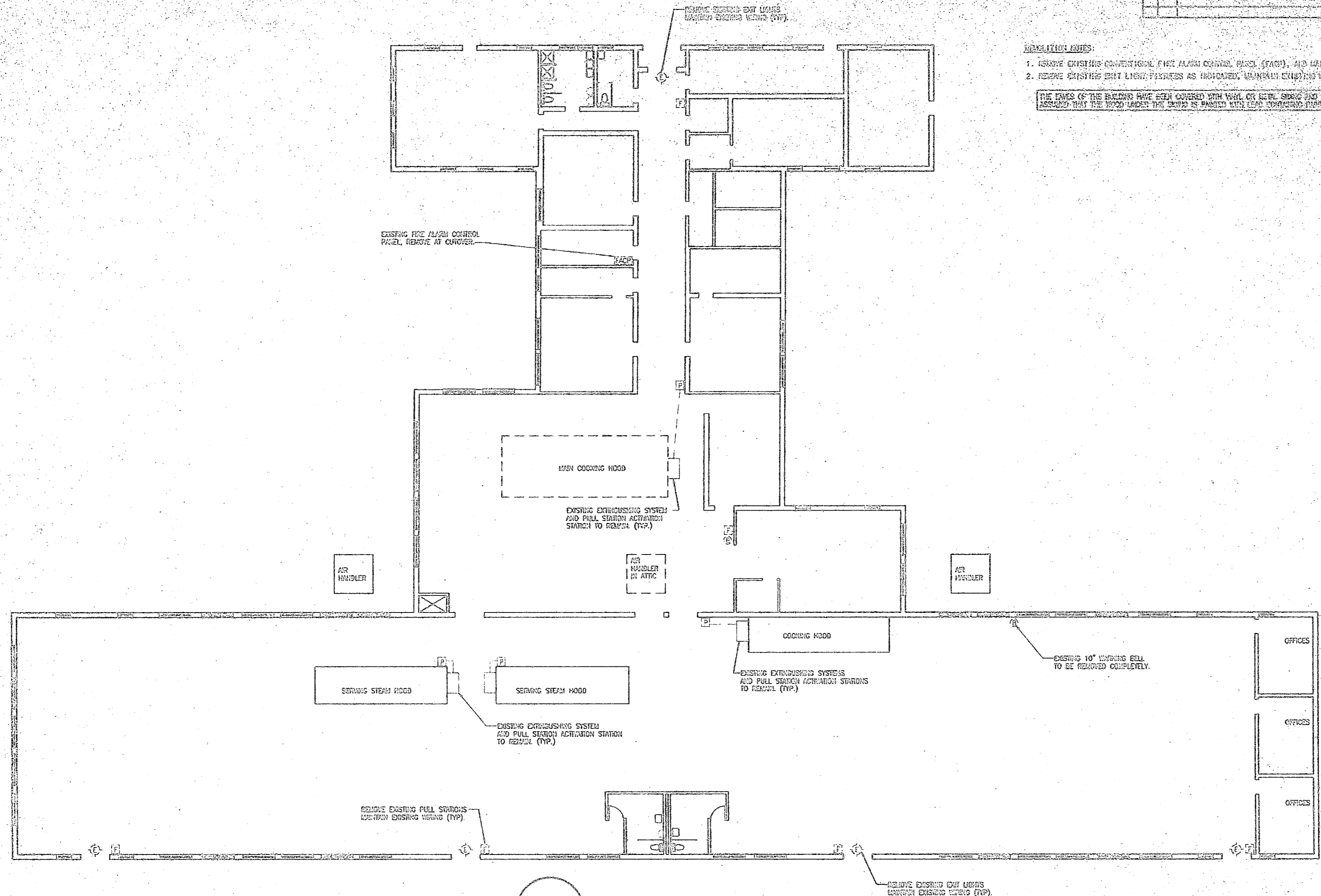
FOR SUBMITTAL DO NOT USE FOR CONSTRUCTION



DESIGNED BY LMD	CHECKED BY LMD	DATE 11/11/03	PROJECT NO. 182470-03-B-0111
DRAWN BY LMD	DATE 11/11/03	PROJECT NO. 182470-03-B-0111	SHEET 43 OF 43
CONTRACTOR: <b>DAVID C. PLEDGE, P.A.</b> ADDRESS: 1000 W. 10th St., P.O. Box 1000, Annapolis, MD 21403-1000 PHONE: 410-293-4311		PROJECT: <b>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 521</b> DRAWING NO.	



NO.	REVISION	DATE

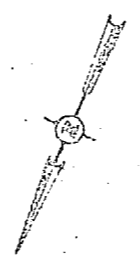
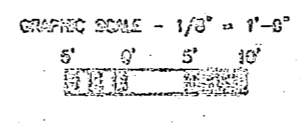


- DEMOLITION NOTES:**
1. REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (STAMP), AND MAINTAIN WIRING.
  2. REMOVE EXISTING EXIT LIGHTS FIXTURES AS INDICATED, MAINTAIN EXISTING WIRING.

THE FACES OF THE BUILDING HAVE BEEN COVERED WITH VINYL OR BEVEL SHEET AND IT MUST BE ASSURED THAT THE WOOD UNDER THE SHEET IS PAINTED WITH LEAD CONTAINING PAINT.

**BUILDING 411 - FLOOR PLAN - DEMOLITION**  
1/8" = 1'-0"

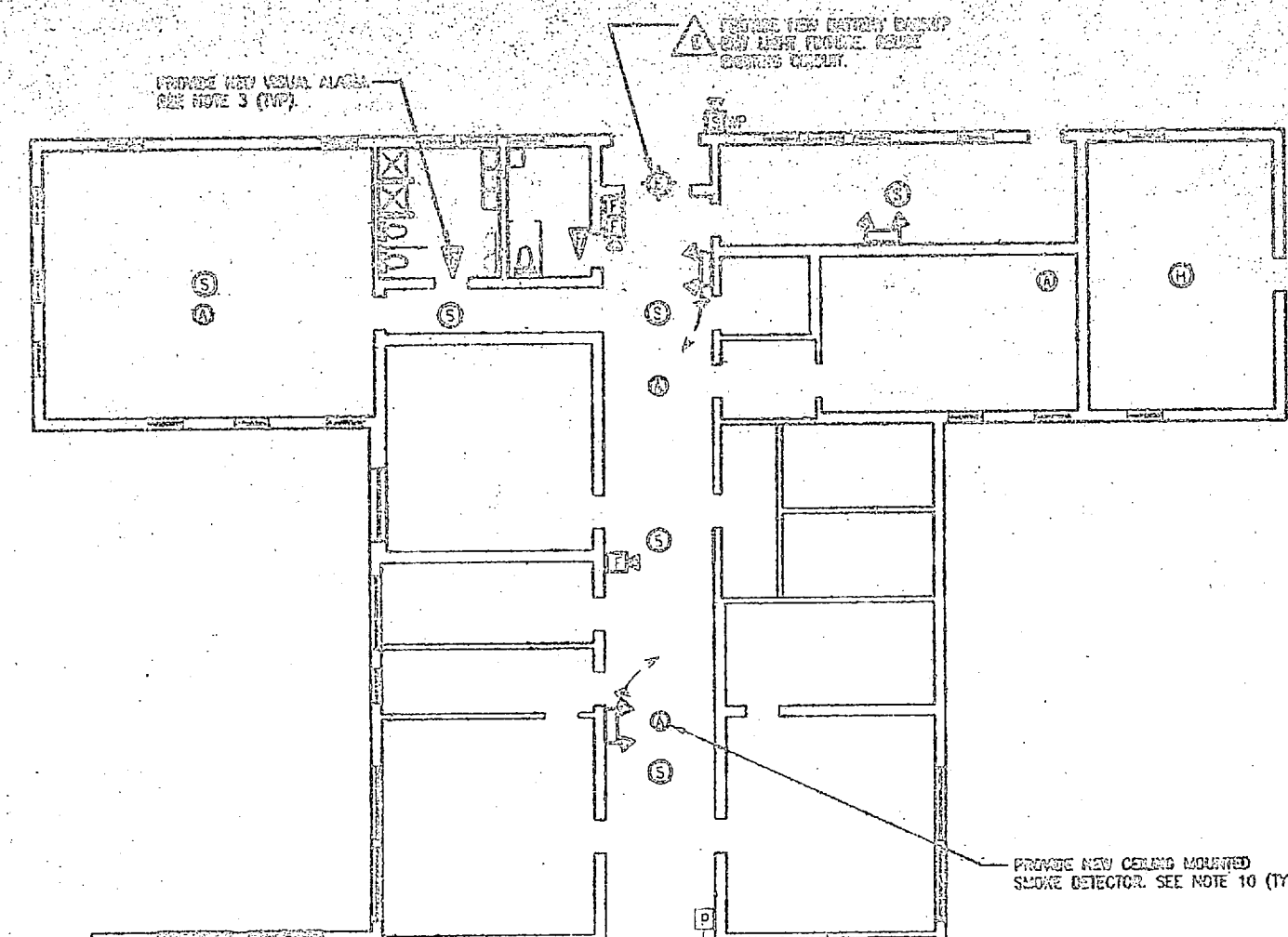
SEE DETAIL #1, SHEET E-53  
FOR ONE LINE DIAGRAM.



ONE ORIGINAL FOR USE FOR CONSTRUCTION		NAVY FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING 411 PROJECT NO. HD2470-98-D-4411	
DESIGNED BY ENGINEER DATE	CHECKED BY DATE	DRAWN BY DATE	PROJECT NO. DATE

E-43





- VENTILATION SYSTEM:**
1. MOUNT NEW CONVENTIONAL 200-0005 FIRE ALARM CONTROL PANEL (TYP) IN OFFICE LOCATION AS INDICATED.
  2. PROVIDE NEW 120-VAC POWER FROM EXISTING PANEL "LA" IN ELECTRICAL ROOM. PROVIDE NEW 20A 1-POLE CIRCUIT BREAKER IN PANEL. PROVIDE REMOTE LOCK-ON DEVICE.
  3. PROVIDE NEW FIRE ALARM NOTICES INCLUDING BELL CHIMES, SIREN, & VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 5'4" ABOVE FINISH FLOOR TO VIEW OF USE. MOUNT SIREN & VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING. MOUNT BELL CHIMES AND WIRE ALARMS CEILING TO EXISTING PULL STATION LOCATIONS. REMOVE GENERALLY EXISTING AND WIRE. ROUTE NEW WIRE FOR EXISTING BACK TO NEW PUMP LOCATION.
  4. MOUNT NEW RADIO TRANSMITTER PANEL (TYP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120-VAC CONTROL POWER FROM EXISTING PANEL "LA". PROVIDE NEW 20A 1-POLE CIRCUIT BREAKER. PROVIDE REMOTE LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE SIGNAL CABLE FROM ANTENNA TO TYP IN CIRCUIT.
  5. PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANELS, AND ROUTE WIRING BACK TO NEW PUMP LOCATION.
  6. MOUNT NEW BATTERY BACKUP EXT. LIGHT TO EXISTING EXT. LIGHT LOCATION. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
  7. MOUNT NEW EMERGENCY LIGHTING FIXTURES IN NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING WHEN APPLICABLE.
  8. UTILIZE SUSPENDED CEILING AREA TO MOUNT NEW DETECTORS FROM NEW PUMP TO NEW DEVICE LOCATIONS. DISMOUNT TO SURFACE MOUNT. CATCHES AND DRAINS EXCESSIVE CONDENSATE FROM WALL TO SERVICE LOCATION. PROVIDE BACK GAGES FOR DEVICES AND INTERCONNECT TO ROOFWAY. PANTY RAILWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED).
  9. INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW PUMP LOCATION.
  10. PROVIDE NEW SMOKE OR HEAT DETECTORS TO MAINTAIN 3" CLEARANCE FROM AIR INLETS AND OUTLETS.

△ PROVIDE NEW WALL MOUNTED SENSATION LIGHT FEATURE. (TYP) SEE NOTE 7 (TYP).

MOUNT NEW SMOKE/HEAT DETECTORS IN EXISTING SUSPENDED CEILING GRID. TYPICAL IN CEILING AREA.

△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

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△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

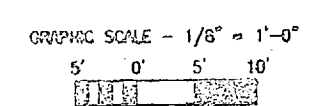
△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

△ PROVIDE NEW WALL MOUNTED SMOKE/HEAT DETECTOR. SEE NOTE 10 (TYP).

**BUILDING 411 - FLOOR PLAN - INSTALLATION**  
 E-44 E-44  
 1/8" = 1'-0"

SEE DETAIL 01, SHEET E-53 FOR ONE LINE SYMBOL.



DESIGNED BY	LD	DATE	10/1/88
CHECKED BY	RCA	DATE	10/1/88
IN CHARGE	LD	DATE	10/1/88
APPROVED BY	LD	DATE	10/1/88
DATE PREPARED OR RECD DATE			
SATISFACTORY TO			

**INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 411**  
 PROJECT NO. 162470-98-B-1411  
 DEPT OF NAVY  
 PAVEL, PA. 15142-1000

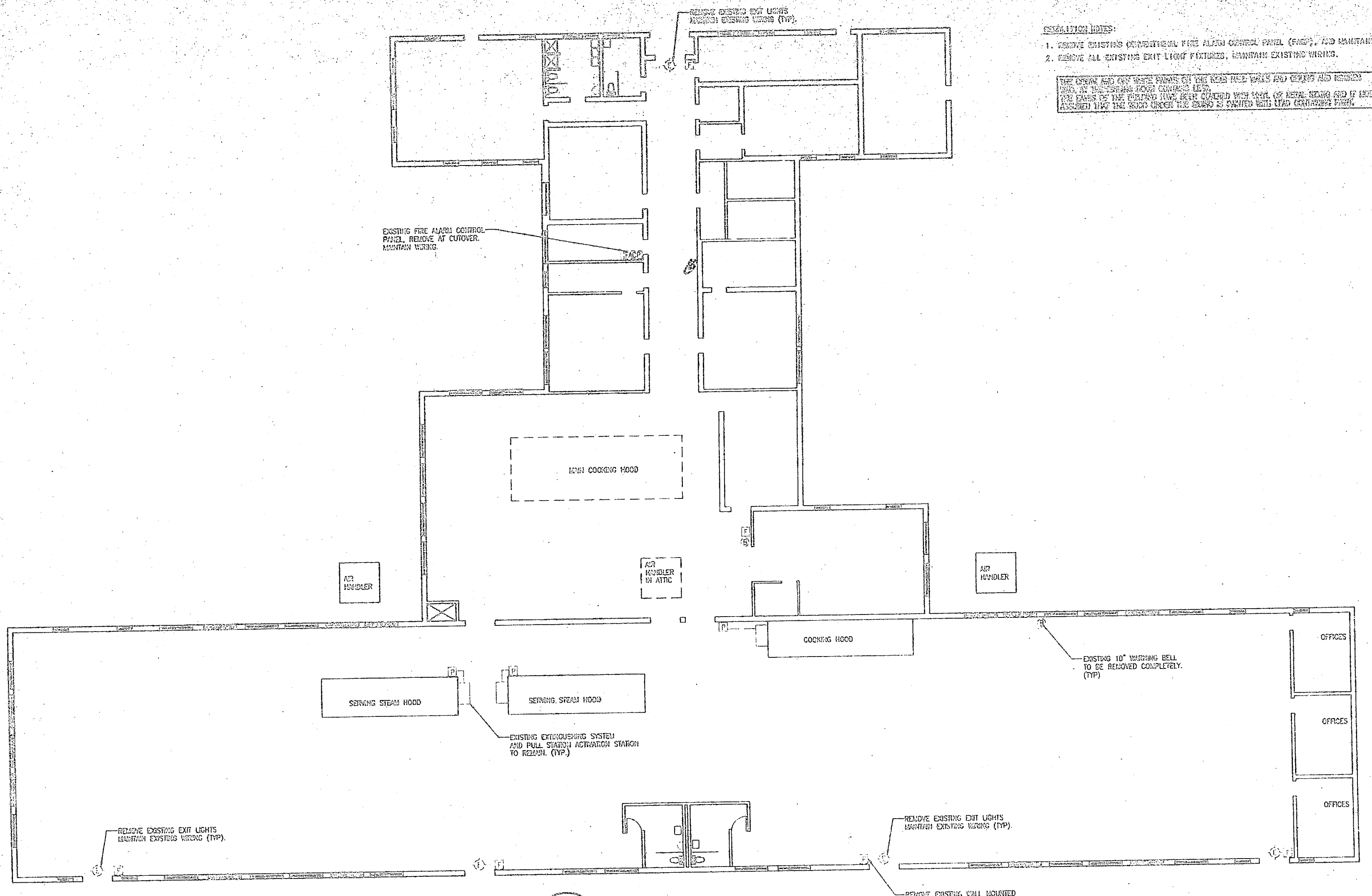




NO.	DESCRIPTION	DATE

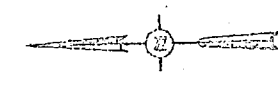
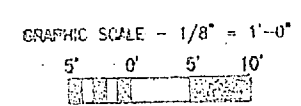
- CONSTRUCTION NOTES:**
- REMOVE EXISTING MONITORIAL FIRE ALARM CONTROL PANEL (FACP), AND MAINTAIN WIRING.
  - REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.

THE OWNER AND ARCHITECT WOULD LIKE TO SEE THAT ALL WALLS AND CEILING ARE REMOVED PER THE DEMOLITION CONTRACT SET. THE OWNER OF THE BUILDING HAS BEEN ADVISED WITH COPY OF THESE NOTES AND IT MUST BE ASSURED THAT THE OWNER CHECKS THE WORK IS COMPLETED WITH LEAD CONTAMINATION DATA.



**BUILDING 9 - FLOOR PLAN - DEMOLITION**  
 1/8" = 1'-0"

SEE DETAIL #2, SHEET E-53 FOR ONE LINE 04/25/04.



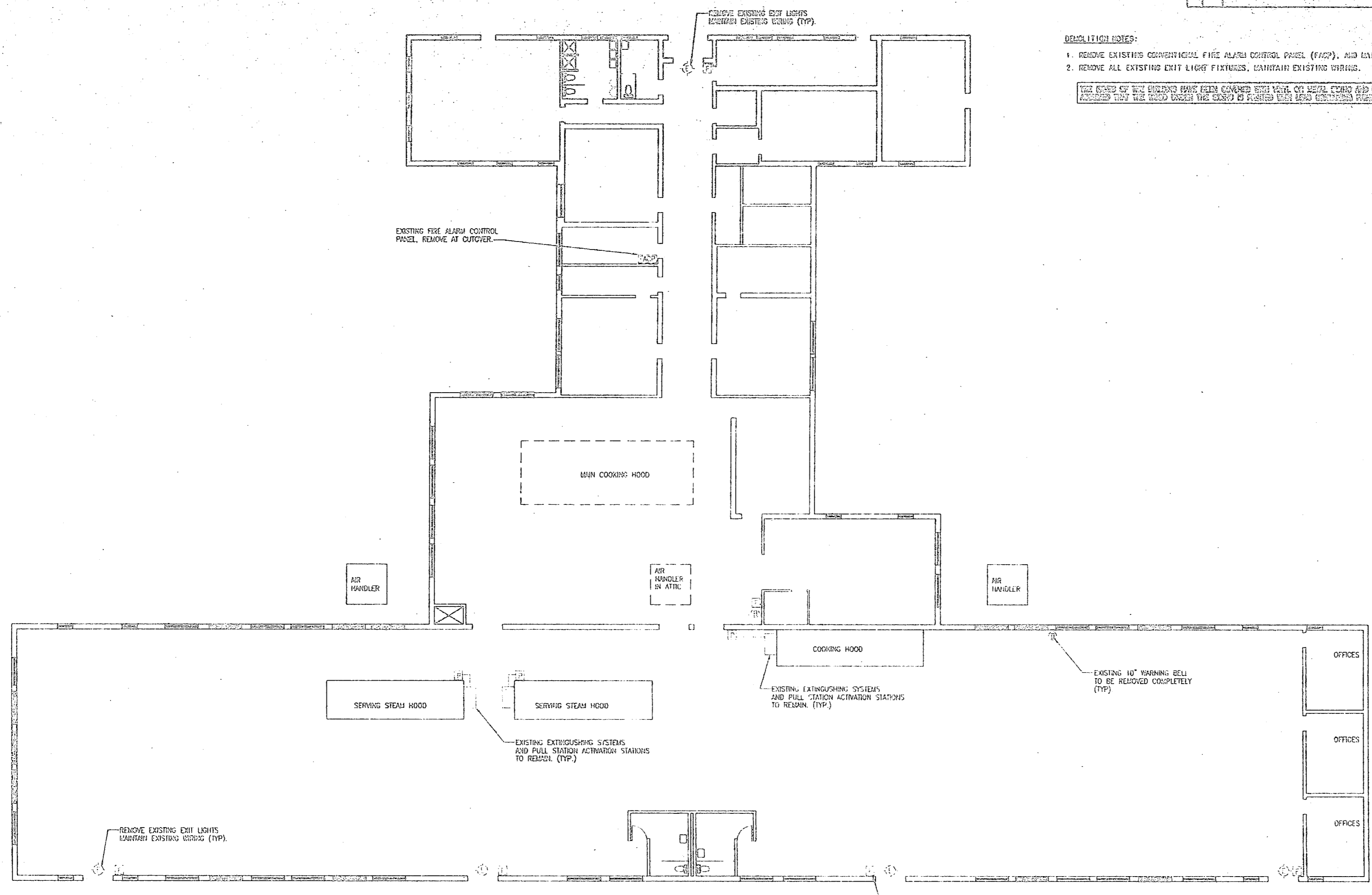
		<b>NAVY FACILITIES ENGINEERING COMMAND</b> 1000 QUINCY DRIVE WASHINGTON, D.C. 20340-1000	
DES: LMD DR: ARJ PER: LMD BY: LMD DATE:	PROJECT NO. N62470-95-B-441 SHEET NO. 05-96-4411 SHEET 02 OF	<b>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 9</b> PROJECT NO. N62470-95-B-441 NAVFAC ENGINEERING NO.	
APPROVED BY: [Signature] DATE:	CHECKED BY: [Signature] DATE:	SPEC: 05-96-4411	







NO.	DESCRIPTION	DATE

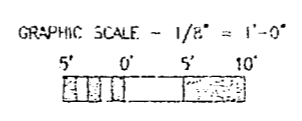


- DEMOLITION NOTES:**
1. REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP), AND MAINTAIN WIRING.
  2. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.

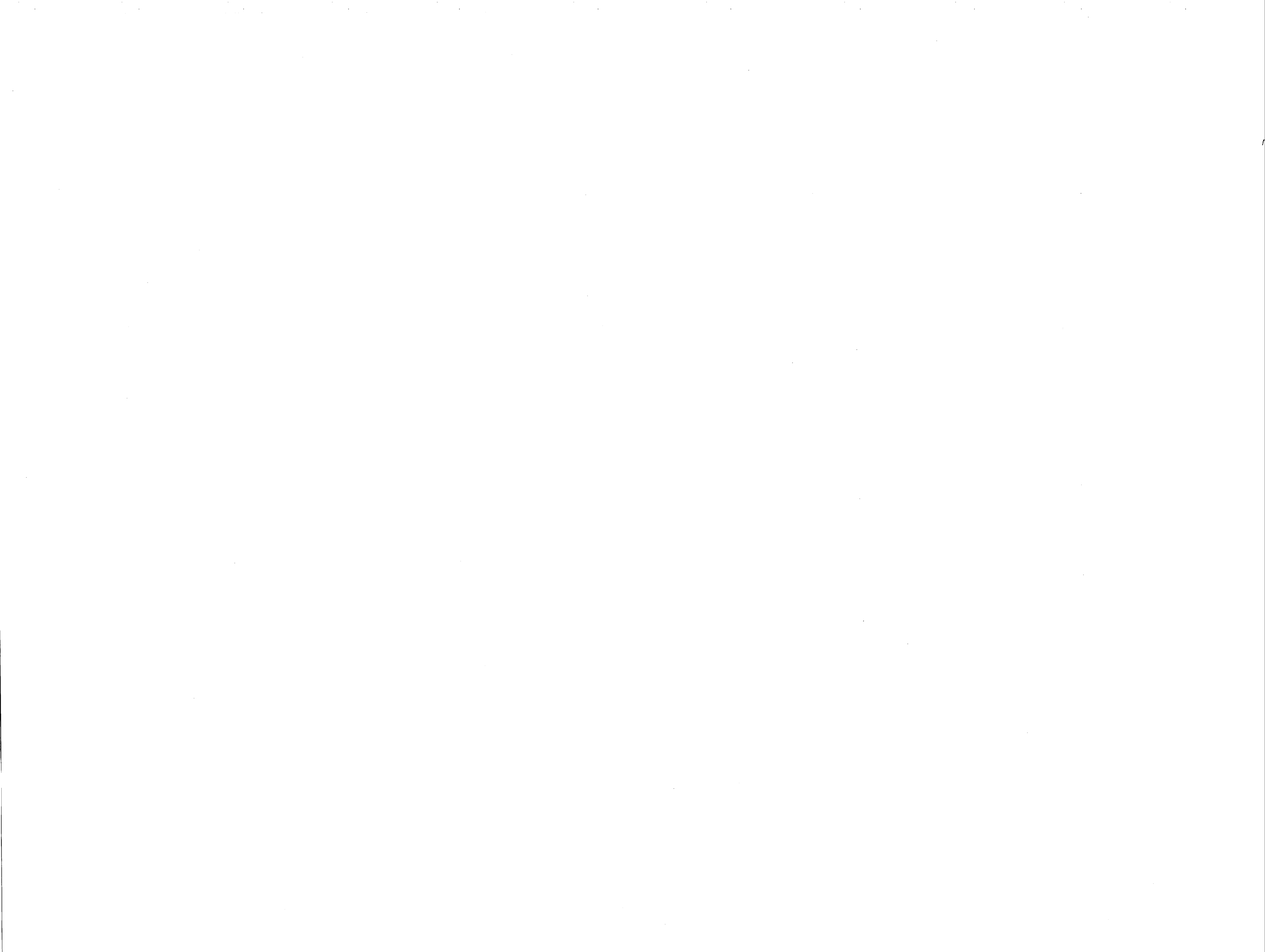
THE OWNER OF THIS BUILDING HAS BEEN ADVISED THAT THE USE OF THESE NOTES IS LIMITED TO THE PROJECT AND IT MUST BE ASSURED THAT THE HOOD UNDER THE SERVICE IS FINISHED WITH LEAD CONTAINMENT WALLS.

**BUILDING 211 - FLOOR PLAN - RENOVATION**  
 E-47 E-47  
 1/8" = 1'-0"

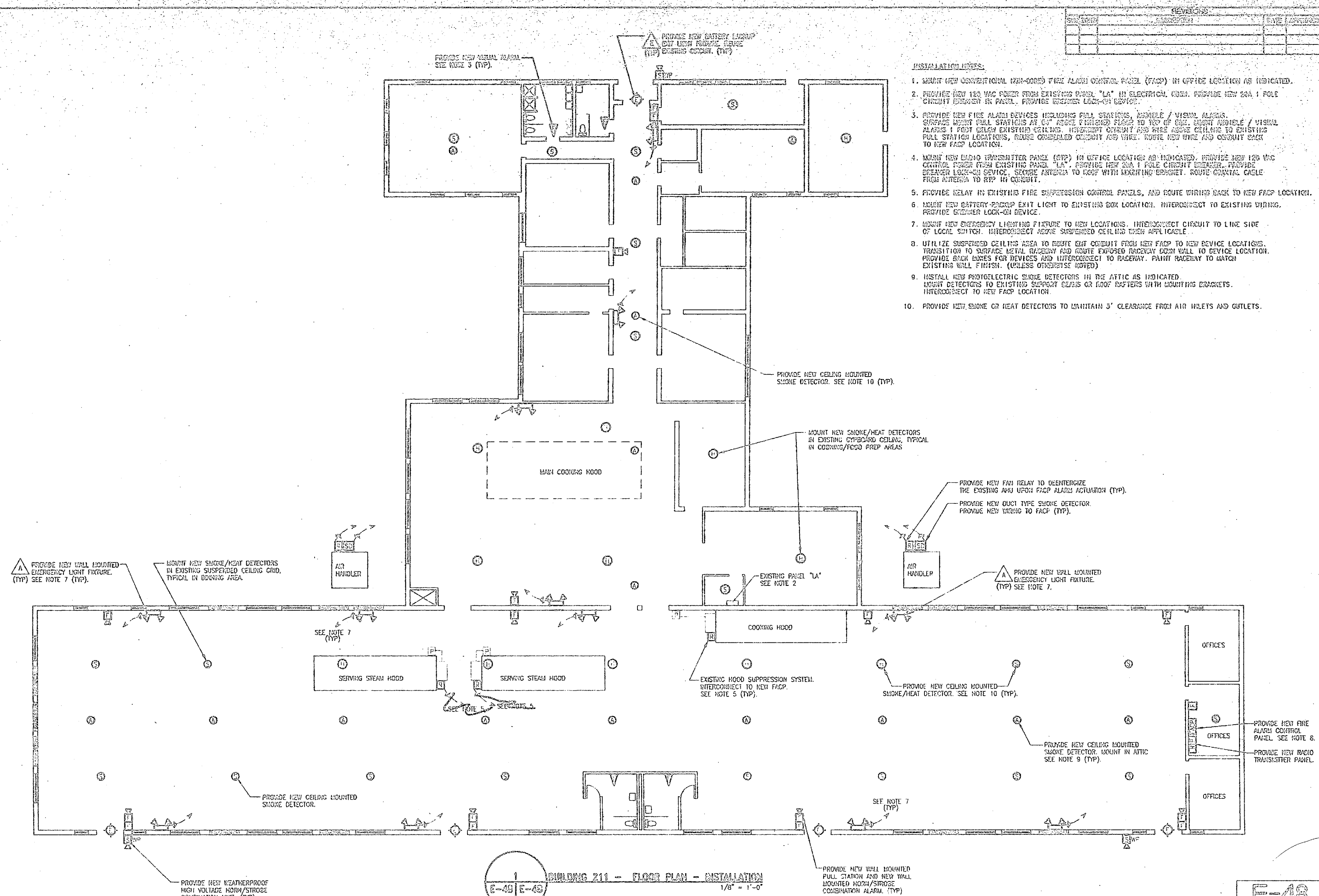
SEE DETAIL #1, SHEET E-53 FOR ONE LINE DIAGRAM



<b>NAVY FACILITIES ENGINEERING COMMAND</b> DEPT OF NAVY	
<b>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING 211</b> PROJECT NO. N62470-96-B-0411	
DES: JMD DD: JMD CDR: JMD SUPV: JMD IN CH: JMD	DATE: 02/09/98 DRAWN: JMD CHECKED: JMD APPROVED: JMD
SALESFACTORY TO: [ ] DATE: [ ]	SHEET NO. 1 OF 1



NO.	REVISION	DATE	BY

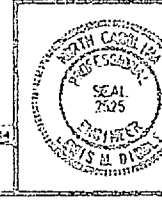


- INSTALLATION NOTES:**
1. MOUNT NEW CONVENTIONAL (NON-CODED) FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
  2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "LA" IN ELECTRICAL ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
  3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, HORNBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 6" ABOVE FINISHED FLOOR TO TOP OF CAB. MOUNT HORNBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING. INTERCONNECT CIRCUIT AND WIRE ABOVE CEILING TO EXISTING PULL STATION LOCATIONS. RAISE CONDUITED CABLE AND WIRE ABOVE NEW WIRE AND CONDUIT BACK TO NEW FACP LOCATION.
  4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "LA". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE FROM ANTENNA TO RTP IN CONDUIT.
  5. PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANELS, AND ROUTE WIRING BACK TO NEW FACP LOCATION.
  6. MOUNT NEW BATTERY-POWERED EXIT LIGHT TO EXISTING BOX LOCATION. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
  7. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING WHEN APPLICABLE.
  8. UTILIZE SUSPENDED CEILING AREA TO ROUTE HOT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK EDGES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)
  9. INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.
  10. PROVIDE NEW SMOKE OR HEAT DETECTORS TO MAINTAIN 3" CLEARANCE FROM AIR INLETS AND OUTLETS.

FACILITY ENGINEERING DEPT E-48 NO		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DESIGNER: LMD		DRAWN: LMD	
CHECKED: LMD		DATE: 05/01/96	
APPROVED: LMD		DATE: 05/01/96	
SATISFACTORY TO: DATE:		DATE: 05/01/96	

**E-48**

INSTALL FIRE ALARM SYSTEM,  
VARIOUS LOCATIONS  
BUILDING 211  
PROJECT NO. N6470-96-4-4411  
HAWAIIAN CONTRACT NO.



DESIGNED BY  
**DEBLE & PLEDGER, P.A.**

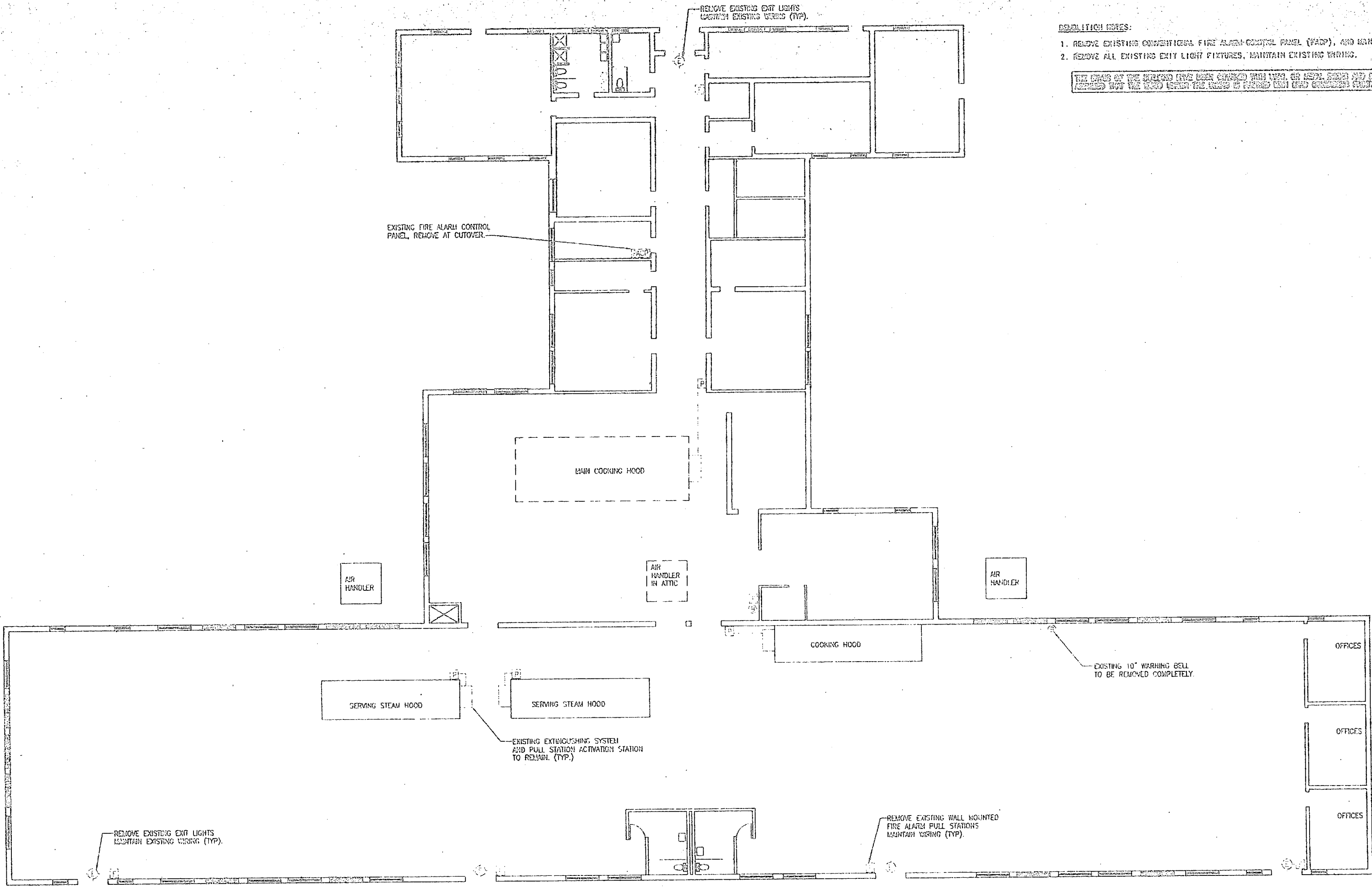




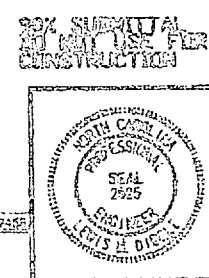
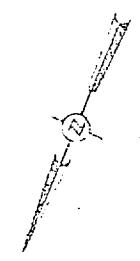
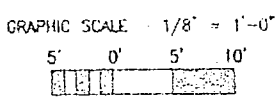
REVISIONS	
NO.	DESCRIPTION

- QUALITY NOTES:**
1. REMOVE EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP), AND MAINTAIN WIRING.
  2. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.

THE OWNER OF THE SERVICES UNDER CONTRACT SHALL VERIFY THE INSTALLATION AND MAINTENANCE OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE USER OF THE SYSTEM.



**BUILDING 325 - FLOOR PLAN - DEMOLITION**  
 1/8" = 1'-0"  
 SEE DETAIL #1, SHEET E-53 FOR ONE LINE DIAGRAM

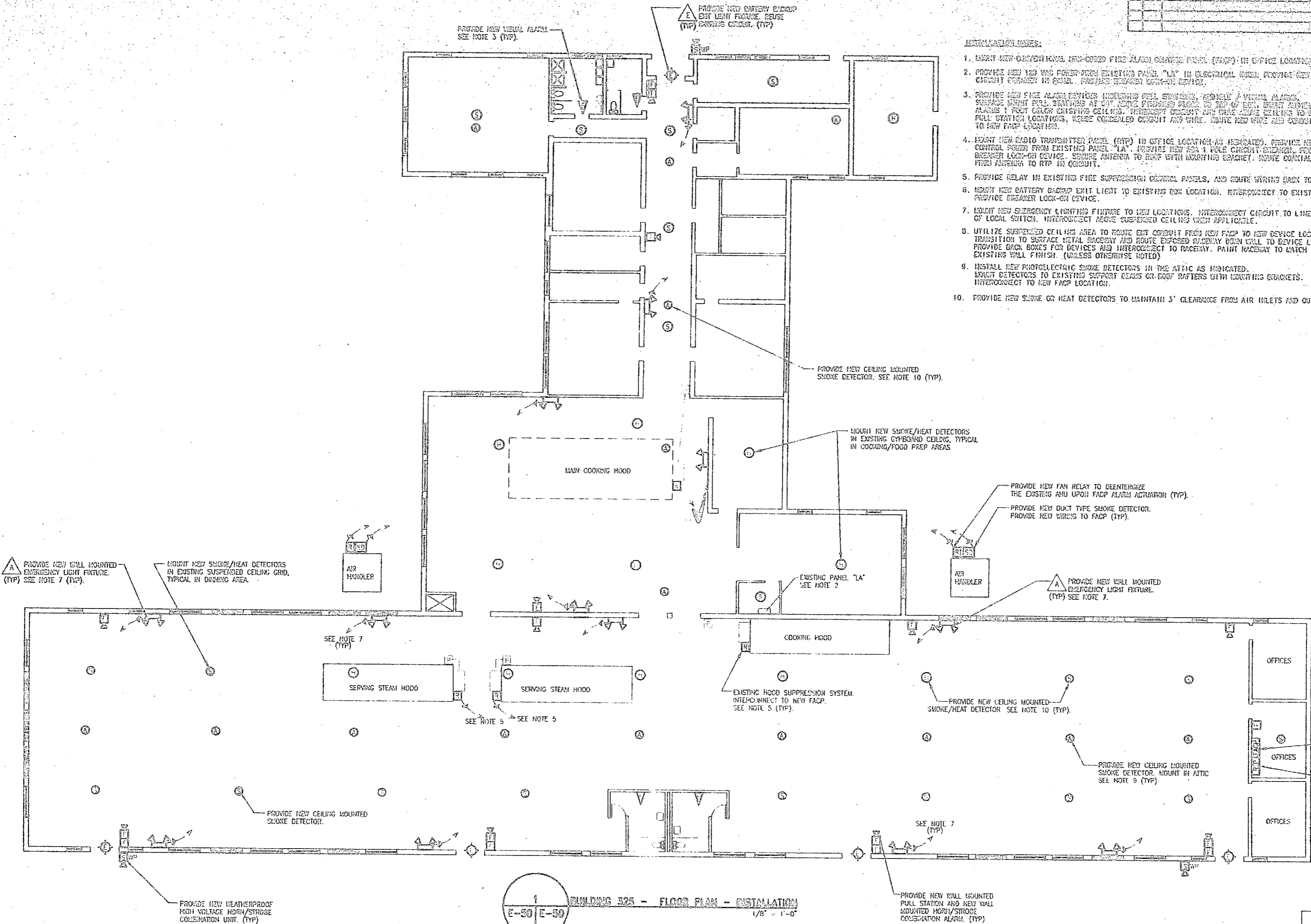


FACILITY DESIGNER'S SIGNATURE		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DESIGNER'S SIGNATURE		NAVAL FACILITIES ENGINEERING COMMAND	
DES	MD	<b>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 325</b> PROJECT NO. N62410-95-B-441 NAVFAC DRAWING NO.	
DR	MD		
CHK	MD		
SUPV	MD		
IN CH	MD		
APPROVED FOR ORG USE	DATE	SCALE	DATE
SATISFACTORY TO	DATE	SCALE	DATE

**E-49**



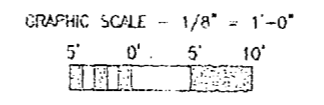
REVISIONS	
NO.	DESCRIPTION



- INSTALLATION NOTES:**
1. MOUNT NEW OVERHEAD DRY-RODDED FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
  2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "LA" IN ELECTRICAL ROOM. PROVIDE NEW 20 A FUSE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
  3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, MANUAL ALARMS, SURFACE MOUNT PULL STATIONS AT CH. ROOMS, PULL STATIONS TO 20 A FUSE, BIRTH ASSEMBLY / VISUAL ALARMS 1 FOOT CALOR CHANGING CEILING. INTERCONNECT CIRCUIT AND WIRE ALARMS DEVICES TO EXISTING PULL STATION LOCATIONS, REUSE CONCEALED CIRCUIT AND WIRE. ROUTE NEW WIRE AND CIRCUIT FROM TO NEW FACP LOCATION.
  4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "LA". PROVIDE NEW 20 A FUSE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SOURCE ANTENNA TO RACK WITH LIGHTING BRACKET. SOURCE SIGNAL CABLE FROM ANTENNA TO RTP IN CIRCUIT.
  5. PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANELS, AND ROUTE WIRING BACK TO NEW FACP LOCATION. PROVIDE BREAKER LOCK-ON DEVICE.
  6. MOUNT NEW BATTERY BACKUP UNIT LIGHT TO EXISTING BOM LOCATION. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
  7. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING WHEN APPLICABLE.
  8. UTILIZE SUSPENDED CEILING AREA TO ROUTE NEW CIRCUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL BATTERY AND ROUTE EXPOSED BATTERY DOWN WALL TO DEVICE LOCATION. PROVIDE BOM BOXES FOR DEVICES AND INTERCONNECT TO BATTERY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)
  9. INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT BEAMS OR GOOF RAFTERS WITH DOWNING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.
  10. PROVIDE NEW SMOKE OR HEAT DETECTORS TO MAINTAIN 3' CLEARANCE FROM AIR INLETS AND OUTLETS.

**BUILDING 325 - FLOOR PLAN - INSTALLATION**  
 E-50 E-50  
 1/8" = 1'-0"

SEE DETAIL 01, SHEET E-53 FOR ONE LINE DIAGRAM



APPROVED BY: PLEDGER, PA.

FACILITY ENGINEER: 0597 005 105		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES: LMD		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 325	
DR: HCA		PROJECT NO. N62470-96-B-4411	
CHK: LMD		NAVFAC DRAWING NO.	
SUPV: LVD		PROJECT NO. N62470-96-B-4411	
PI: LMD		NAVFAC DRAWING NO.	
APPROVED FOR CONSTRUCTION DATE: 7/96		NAVFAC DRAWING NO.	
SATISFACTORY TO: CAVE		NAVFAC DRAWING NO.	

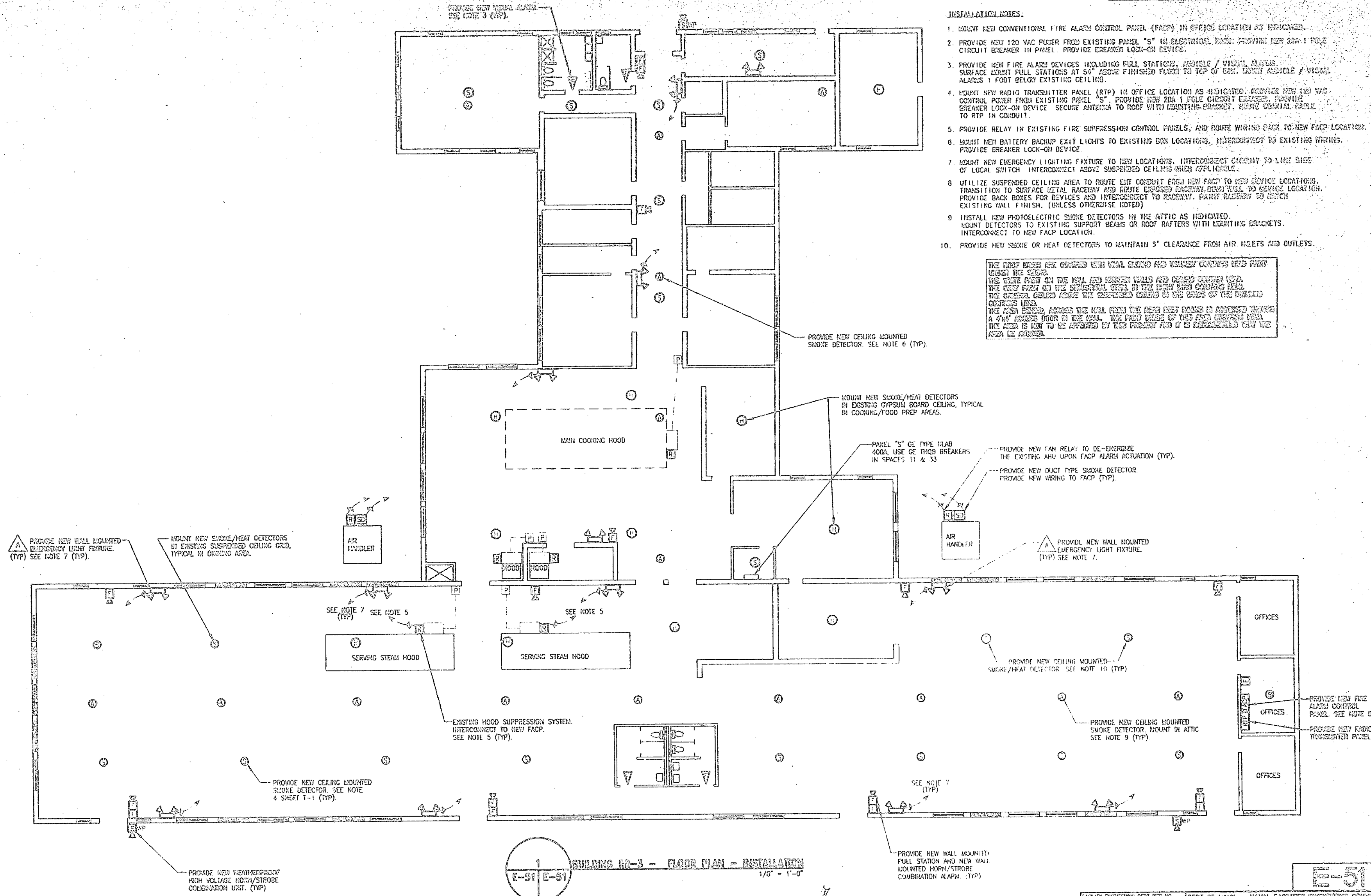


NO.	REVISION

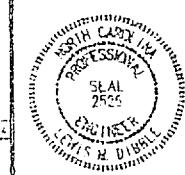
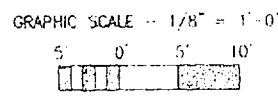
**INSTALLATION NOTES:**

1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "S" IN ELECTRICAL ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING FULL STATION, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT FULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF DOOR LEANS. AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "S". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH LEADING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
5. PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANELS. AND ROUTE WIRING BACK TO NEW FACP LOCATION. PROVIDE BREAKER LOCK-ON DEVICE.
6. MOUNT NEW BATTERY BACKUP EXIT LIGHTS TO EXISTING EOM LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
7. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING WHEN APPLICABLE.
8. UTILIZE SUSPENDED CEILING AREA TO ROUTE EXIT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)
9. INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE ATTIC AS INDICATED. MOUNT DETECTORS TO EXISTING SUPPORT SUSPENDED CEILING WITH LEADING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.
10. PROVIDE NEW SMOKE OR HEAT DETECTORS TO MAINTAIN 3" CLEARANCE FROM AIR INLETS AND OUTLETS.

THE ROOF BEAMS ARE COVERED WITH WOOD SHAKES AND USUALLY CONTAIN LEAD PANSY UNDER THE COVER.  
 THE WIRE PANSY ON THE WALL AND WOODEN WALLS AND GROUND COVERED AREA.  
 THE ONLY PART OF THE STRUCTURAL GRAD IN THE ROOF WHEN COVERED AREA.  
 THE STRUCTURAL GRAD IS THE SUSPENDED CEILING IN THE CASE OF THE EXISTING COVERED AREA.  
 THE NEW BEAMS, ABOVE THE WALL FROM THE ROOF BEAM ARE IN CONTACT WITH A 4" X 4" BRASS BAR IN THE WALL. THE FRONT EDGE OF THE AREA COVERED AREA.  
 THE AREA IS NOT TO BE COVERED BY THE PROJECT AND IT IS RECOMMENDED THAT THE AREA BE REMOVED.



DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING DIVISION INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING RR-3 PROJECT NO. N62470-96-B-4411 NAVFAC DRAWING NO.	
DES. W.C. OR R.C.A. C.B. V.L. SUPV. L.M.U. IN CH. L.V.E.	SIZE: 80001 DATE: 02-95-4411
APPROVED: FED OR OICC DATE: _____ SATISFACTORY TO: _____ DATE: _____	PROJECT NO. N62470-96-B-4411 NAVFAC DRAWING NO.

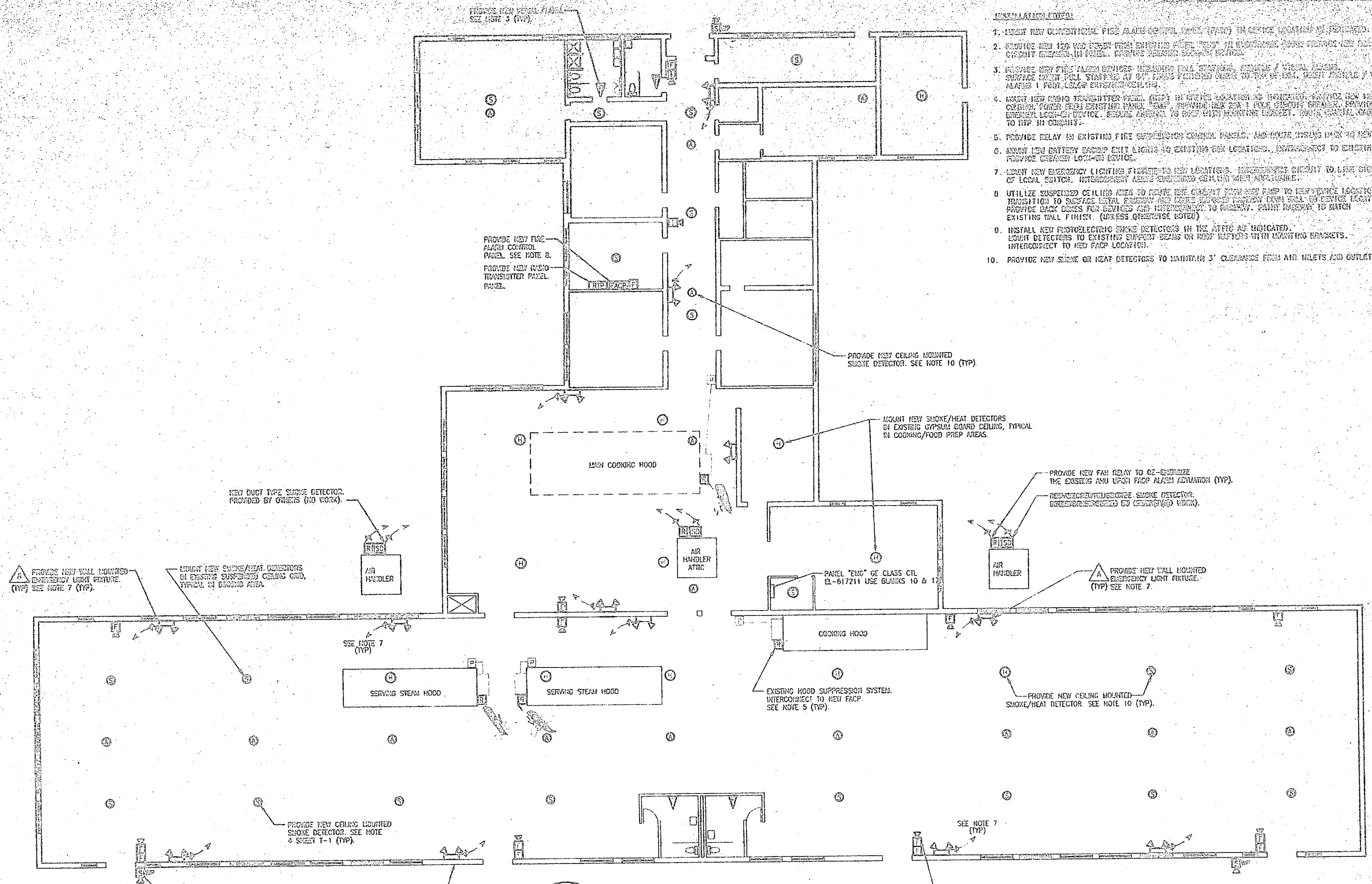


DESIGNED BY  
 ENGINE & FLEISHER, P.A.



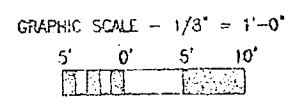
NO.	DESCRIPTION

- INSTALLATION NOTES:**
1. LOCATE NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN SERVICE LOCATION AS INDICATED.
  2. LOCATE NEW FACP AND POWER FROM EXISTING PANEL "TYP" IN CLOSET/STAIR WARDEN ROOM. PROVIDE NEW 100 AMP CIRCUIT BREAKER IN PANEL. PROVIDE REARER SUPPLY WIREWORK.
  3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING FULL STATIONAL, MANUAL / VISUAL ALARMS, SURFACE MOUNT PULL STATIONS AS SHOWN. PROVIDE NEW 1/2" DIA. MOUNT ABOVE 7' VISUAL ALARMS 1 FOOT LOWER ENLIGHTENING DEVICE.
  4. LOCATE NEW RADIO TRANSMITTER PANEL (RTP) IN SERVICE LOCATION AS INDICATED. PROVIDE NEW 100 AMP CIRCUIT BREAKER FROM EXISTING PANEL "TYP". PROVIDE NEW 200 AMP CIRCUIT BREAKER. PROVIDE BATTERY LOG-ON DEVICE. ESCAPE ROUTES TO BEAT WITH EXISTING ESCAPE. PROVIDE MANUAL ALARM TO RFP IN CLOSET.
  5. PROVIDE DELAY IN EXISTING FIRE SUPPRESSION CONTROL PANELS. AND WIRE WORK FROM TO NEW FACP LOCATION.
  6. REMOVE NEW BATTERY BACKUP UNIT & LIGHTS TO EXISTING LOCATIONS. INTERCONNECT TO EXISTING SYSTEM. PROVIDE BATTERY LOG-ON DEVICE.
  7. LOCATE NEW EMERGENCY LIGHTING FIXTURES TO NEW LOCATIONS. INTERCONNECT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT WITH EXISTING SYSTEM WHEN AVAILABLE.
  8. UTILIZE SUSPENDED CEILING AREA TO MOUNT THE CIRCUIT FROM THE FACP TO SERVICE LOCATION. TRANSITION TO SURFACE LOCAL BATTERY AND LIGHTS TO EXISTING SYSTEM WHEN WALL IN SERVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO EXISTING. PAINT REWORK TO MATCH EXISTING WALL FINISH (UNLESS OTHERWISE NOTED).
  9. INSTALL NEW PHOTOELECTRIC SMOKE DETECTORS IN THE OFFICE AS INDICATED. LIGHT DETECTORS TO EXISTING SUPPLY BEAMS OR HOOD REWORK WITH EXISTING BRACKETS. INTERCONNECT TO NEW FACP LOCATION.
  10. PROVIDE NEW SMOKE OR HEAT DETECTORS TO MAINTAIN 3" CLEARANCE FROM AIR INLETS AND OUTLETS.



**BUILDING BB-7 - FLOOR PLAN - INSTALLATION**  
 1/8" = 1'-0"

SEE DETAIL #3, SHEET E-53 FOR ONE LINE DIAGRAM



SOX CONSULTING GROUP, INC.

DEPT. OF NAVY - NAVAL FACILITIES ENGINEERING COMMAND

INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING BB-7

PROJECT NO. N62470-86-9-4411

DESIGN	LMD
CHECK	HCA
APPROVE	LMD
SUPPLY	LMD
INSTALL	LMD
MAINTENANCE	LMD

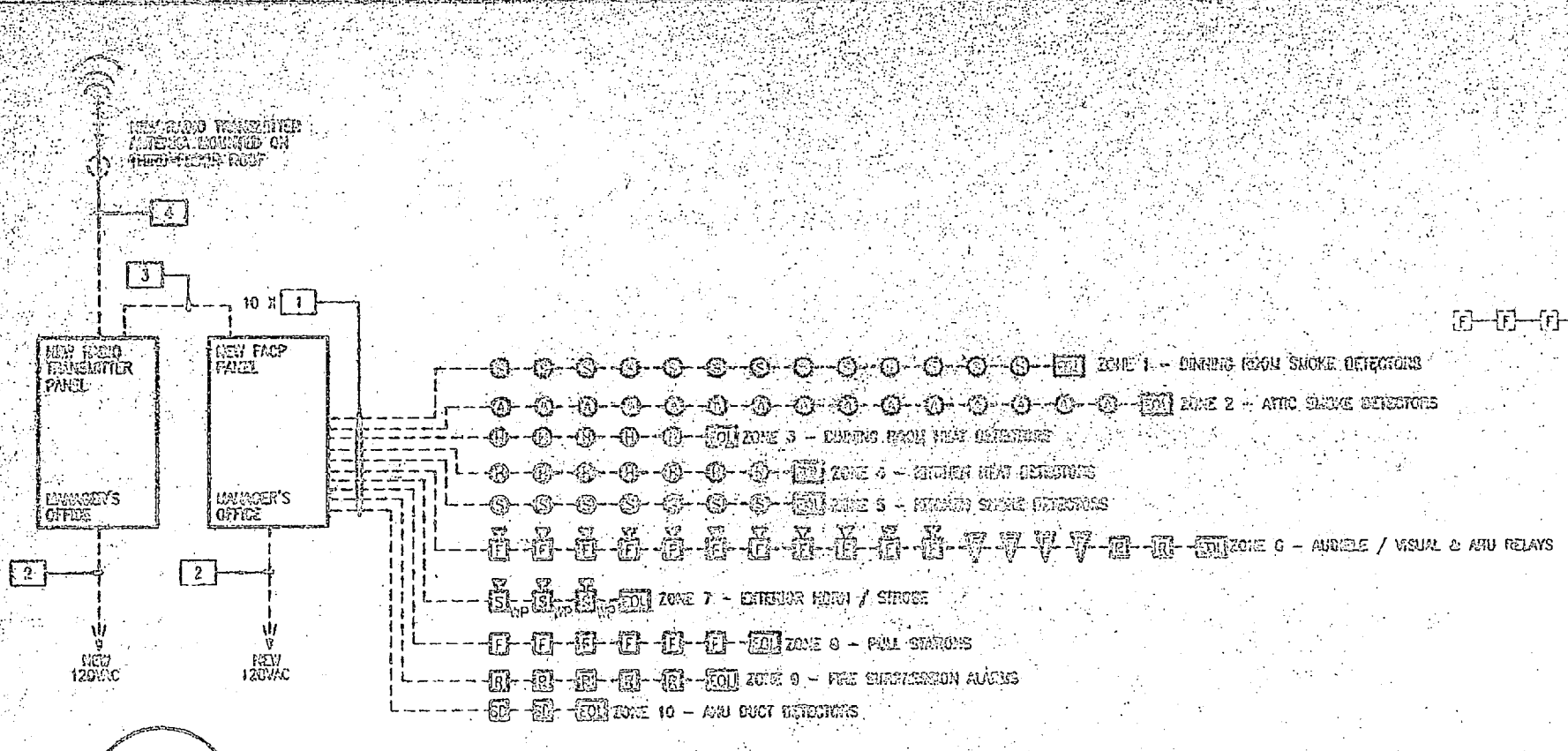
DATE: 10/1/86

BY: [Signature]

PROJECT NO. N62470-86-9-4411

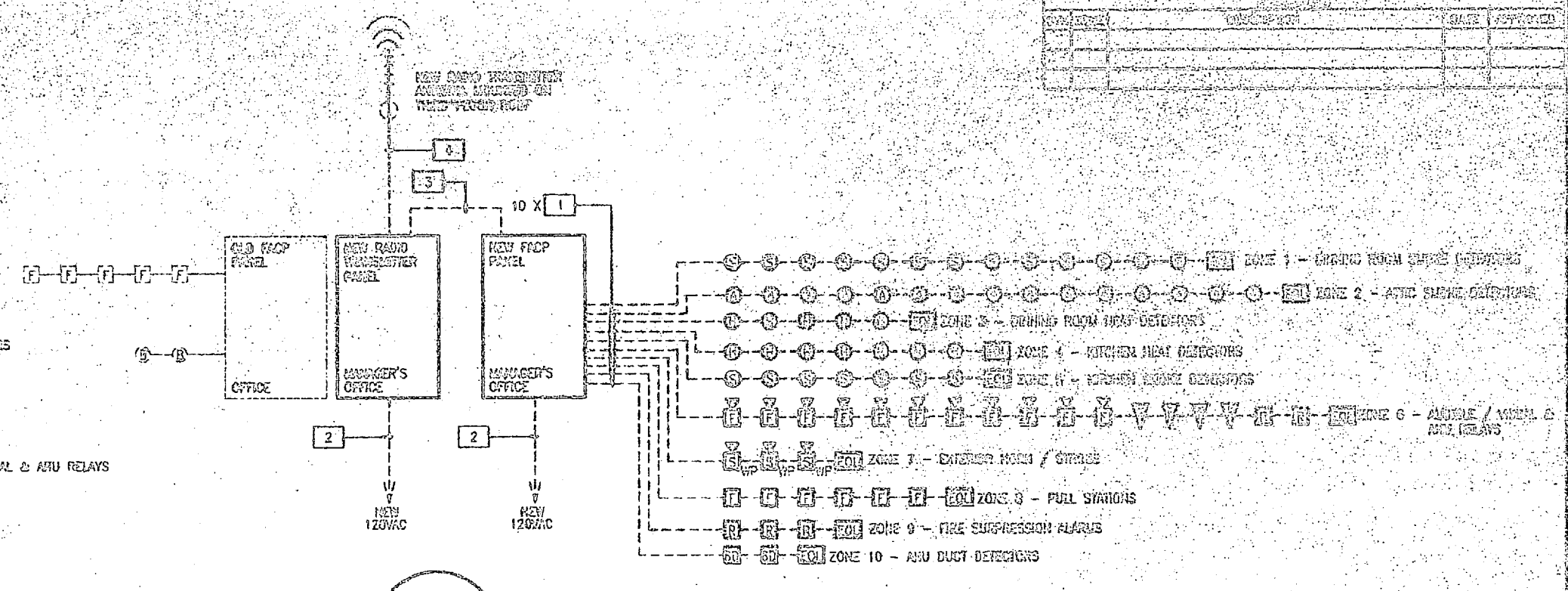






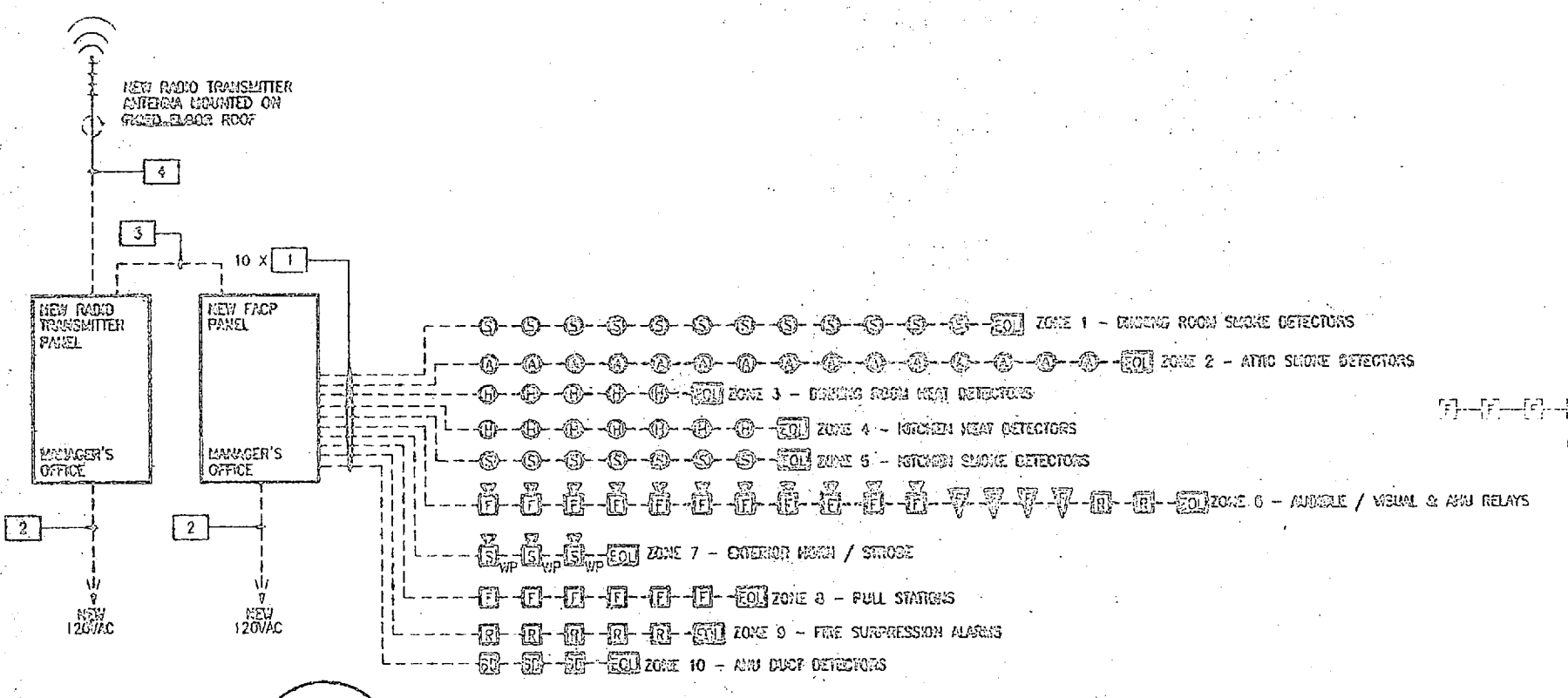
**BUILDINGS 22-5 - ONE LINE DIAGRAM**  
 E-53 E-53  
 HTS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.



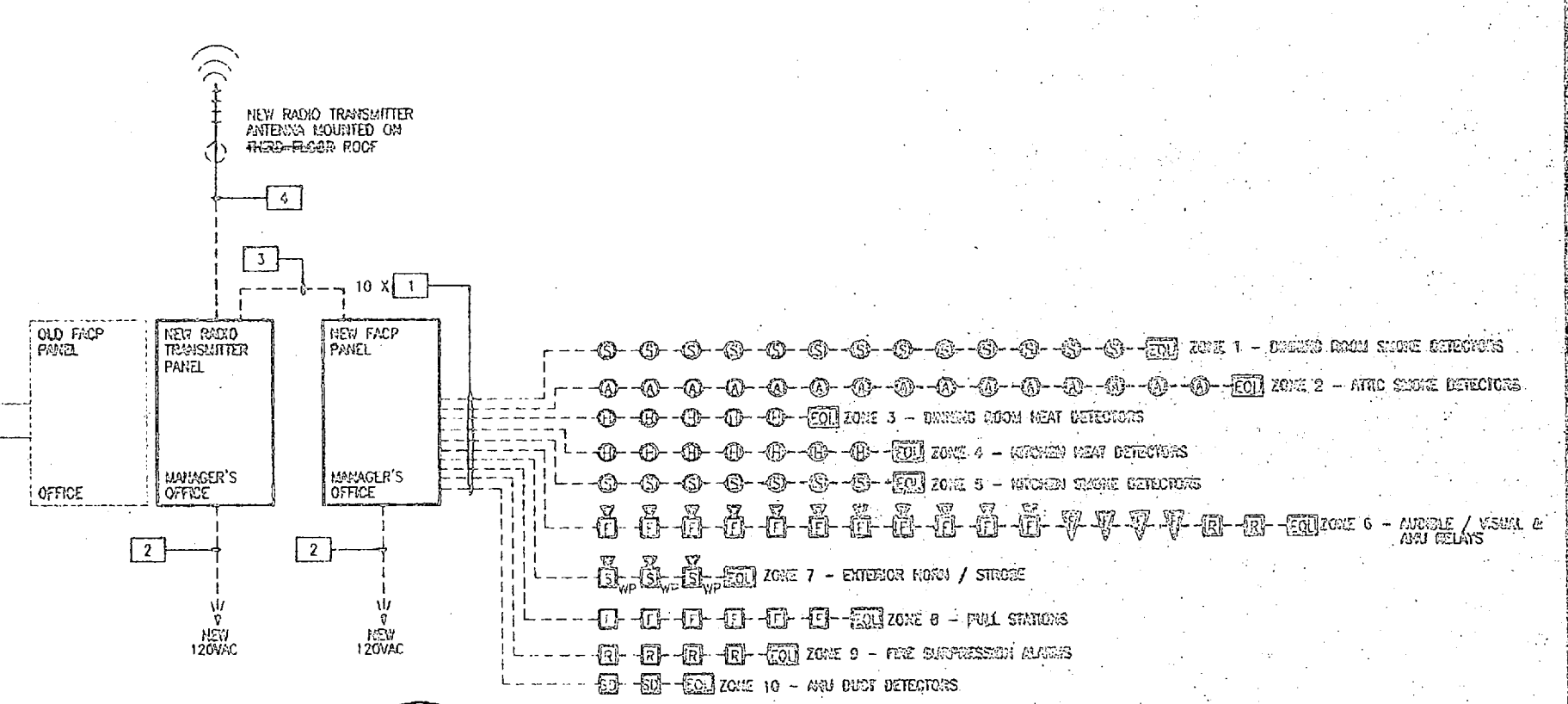
**BUILDINGS 211 & 212 - ONE LINE DIAGRAM**  
 E-53 E-53  
 HTS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.



**BUILDINGS 22-7 - ONE LINE DIAGRAM**  
 E-53 E-53  
 HTS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.



**BUILDINGS 321 & 411 & 325 - ONE LINE DIAGRAM**  
 E-53 E-53  
 HTS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
 PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

- CONDUIT AND CABLE SCHEDULE**
- (2) #14 AWG CU THHN/THWN UNGROUNDING CONDUCTORS,  
 (1) #14 AWG CU THHN/THWN GROUNDING CONDUCTOR  
 3/4" CONDUIT
  - (1) #10 AWG CU THHN/THWN UNGROUNDING CONDUCTOR,  
 (1) #10 AWG CU THHN/THWN GROUNDING CONDUCTOR,  
 3/4" CONDUIT
  - (0) #14 AWG CU THHN/THWN UNGROUNDING CONDUCTORS,  
 (1) #14 AWG CU THHN/THWN GROUNDING CONDUCTORS,  
 (2) #14 AWG CU THHN/THWN SPARE CONDUCTORS,  
 1" CONDUIT
  - RG-21 COAXIAL CABLE  
 3/4" CONDUIT

**E-53**

**INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING MESS HALLS**

PROJECT NO. 602470-55-B-4411

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

BY: \_\_\_\_\_

FOR: \_\_\_\_\_

BY: \_\_\_\_\_

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

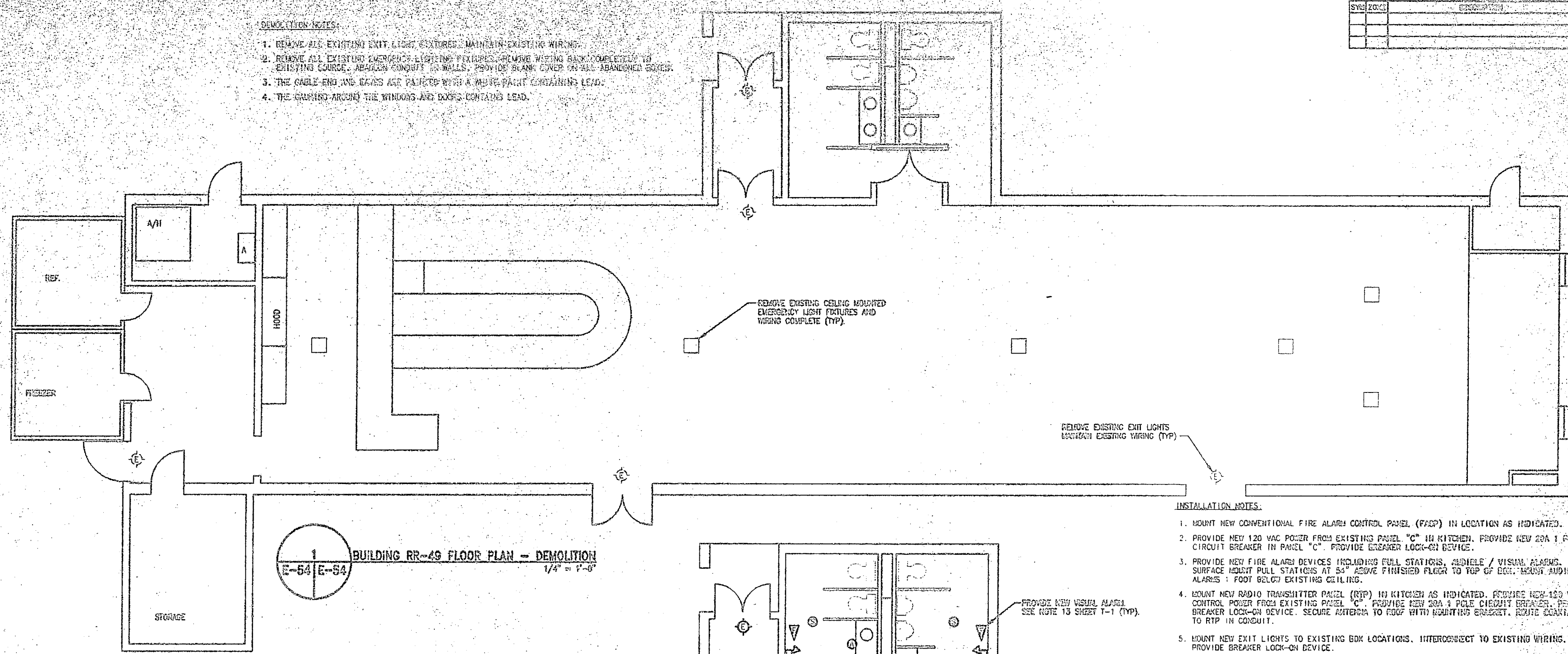
BY: \_\_\_\_\_

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



- DEMOLITION NOTES:**
1. REMOVE ALL EXISTING EXIT LIGHT FIXTURES. MAINTAIN EXISTING WIRING.
  2. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING COURSE. ABANDON CONDUIT IN WALLS. PROVIDE BLANK COVER ON ALL ABANDONED BOXES.
  3. THE CABLE END AND LEADS ARE PAINTED WITH A RED PAINT CONTAINING LEAD.
  4. THE GRASSING AROUND THE WINDOWS AND DOORS CONTAINS LEAD.

SYNOPSIS	



**BUILDING RR-49 FLOOR PLAN - DEMOLITION**  
E-54 | E-54  
1/4" = 1'-0"

- INSTALLATION NOTES:**
1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN LOCATION AS INDICATED.
  2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "C" IN KITCHEN. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "C". PROVIDE BREAKER LOCK-ON DEVICE.
  3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS, SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF EGT. LEARN AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
  4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN KITCHEN AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "C". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
  5. MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
  6. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
  7. UTILIZE SUSPENDED CEILING AREA TO ROUTE EXIT CIRCUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SUSFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY FROM WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH (UNLESS OTHERWISE NOTED)

PROVIDE NEW GYI TYPE SMOKE DETECTOR. PROVIDE NEW WIRING TO RCP. SEE NOTE 6 SHEET T-1 (TYP).

EXISTING HOOD SUPPRESSION SYSTEM. INTERCONNECT TO NEW FACP. SEE NOTE 14, SHEET T-1 (TYP).

PROVIDE NEW WALL MOUNTED PULL STATION AND NEW WALL MOUNTED HOOD/STOVE COORDINATION ALARM. USE NOTE 2 SHEET T-1 (TYP).

PROVIDE NEW CEILING MOUNTED SMOKE DETECTOR. SEE NOTE 4 SHEET T-1 (TYP).

PROVIDE NEW WALL MOUNTED EMERGENCY LIGHT FIXTURE. (TYP) SEE NOTE 9 SHEET T-1 (TYP).

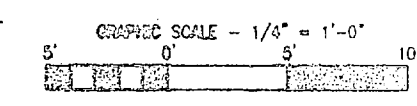
PROVIDE NEW BATTERY BACKUP EXIT LIGHT FIXTURE. REUSE (TYP) EXISTING CIRCUIT. (TYP)

PROVIDE NEW WEATHERPROOF HIGH VOLTAGE BURN/CRACKS CONDITIONING. SEE NOTE 11 SHEET T-1 (TYP).

EXISTING PANEL "C" IS AN FPE 225A 200/120V TYPE W/HP 38 & 55E PANELBOARD. PROVIDE NEW 20A BREAKERS TO POWER NEW FACP AND TRANSMITTER.

**BUILDING RR-49 FLOOR PLAN - INSTALLATION**  
E-54 | E-54  
2  
1/4" = 1'-0"

8. INSTALL NEW PHOTOELECTRIC SMOKE SENSORS IN THE AREA AS INDICATED. LEAD WIRING TO EXISTING SUPPORT BEAMS OR ROOF RAFTERS WITH MOUNTING BRACKETS. INTERCONNECT TO NEW RCP LOCATION.



SIX SUBJECTS OF THIS PLAN ARE UNDER CONSTRUCTION

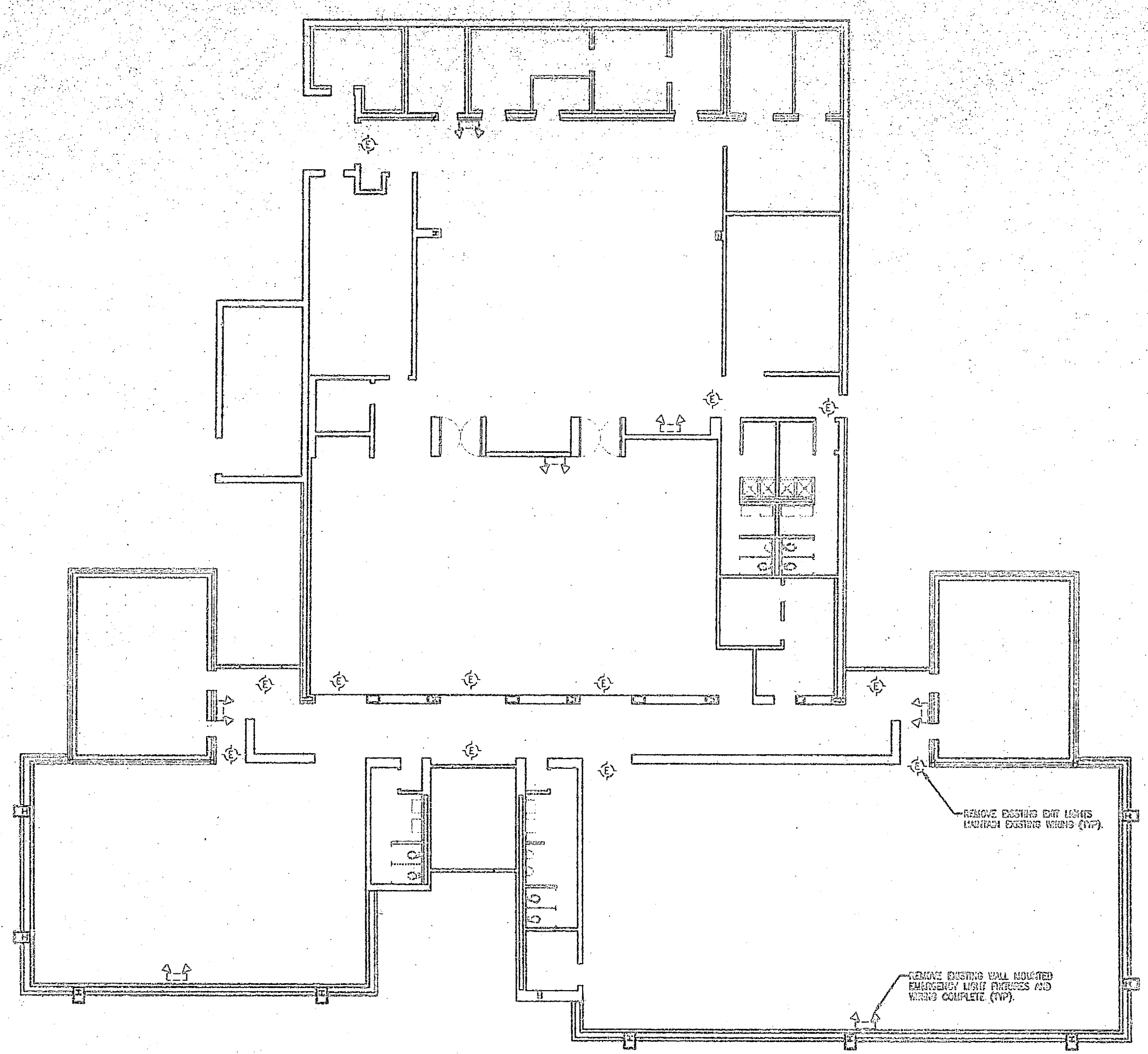


FACILITY ENGINEER USE ONLY		DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES LMD		NAVAL FACILITIES ENGINEERING COMMAND	
DR RCA		INSTALL FIRE ALARM SYSTEM	
CHK LMD		VARIOUS LOCATIONS	
SHPV LMD		BUILDING RR-49	
SI ON LMD		PROJECT NO. 123456789-01	
APPROVED BY CDDC DMLZ	DATE	ISSUE NO.	ISSUE DATE
		F 00001	15 APR 2010
SATISFACTORY TO		DATE	SHEET 5 OF 5
BY			

DESIGNED BY  
DIBBLE & FURBER, P.A.

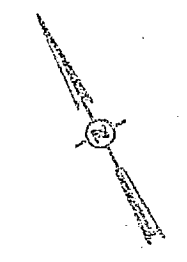


REVISIONS	DATE	DESCRIPTION



**BUILDING AS-4012 -- DEMOLITION**  
 1/8" = 1'-0"  
 E-56 E-56

- DEMOLITION NOTES:**
1. REMOVE ALL EXISTING EXIT LIGHT FIXTURES, MAINTAIN EXISTING WIRING.
  2. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CONDUIT IN WALLS. PROVIDE ELIMINATE COVER ON ALL ABANDONED EDGES.
  3. THE MAIN LINE TO THE WATER TANK IN THE MECHANICAL ROOM HAS A CASSETTE THAT CONTAINS ASBESTOS.



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

90% SUBMITTAL  
 DO NOT USE FOR  
 CONSTRUCTION

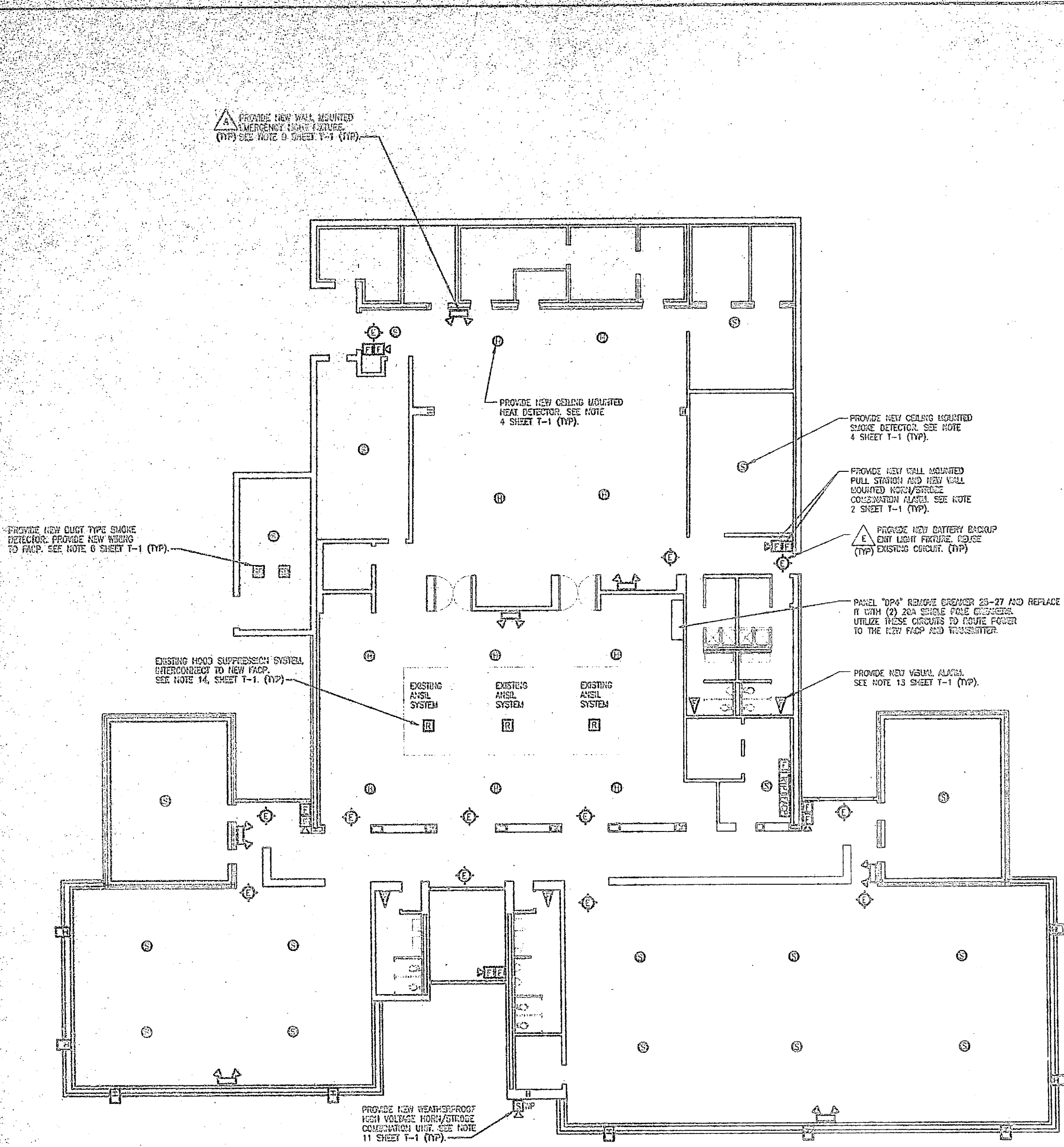


DESIGNED BY  
**DIBBLE & FLEDGER, P.A.**

**E-56**

PROJECT ENGINEER/DEPT DESIGNED	DEPT OF NAVY NAVAL FACILITIES ENGINEERING ASSISTANT
DESIGNER	<b>MARKS CORPUS BASE CAMP LEAKE, NC</b>
DATE	<b>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING AS-4012</b>
PROJECT NO.	<b>PROJECT NO. 1102470-03-B-0011</b>
APPROVED FOR CONSTRUCTION	ISSUED DRAWING NO.
DATE	<b>F 80091</b>
SCALE	<b>AS SHOWN</b>
PROJECT NO.	<b>1102470-03-B-0011</b>





1 BUILDING AS-4012 - INSTALLATION  
E-57 E-57  
1/8" = 1'-0"

2 BUILDING AS-4012 - ONE LINE DIAGRAM  
E-57 E-57  
MIS

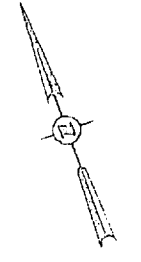
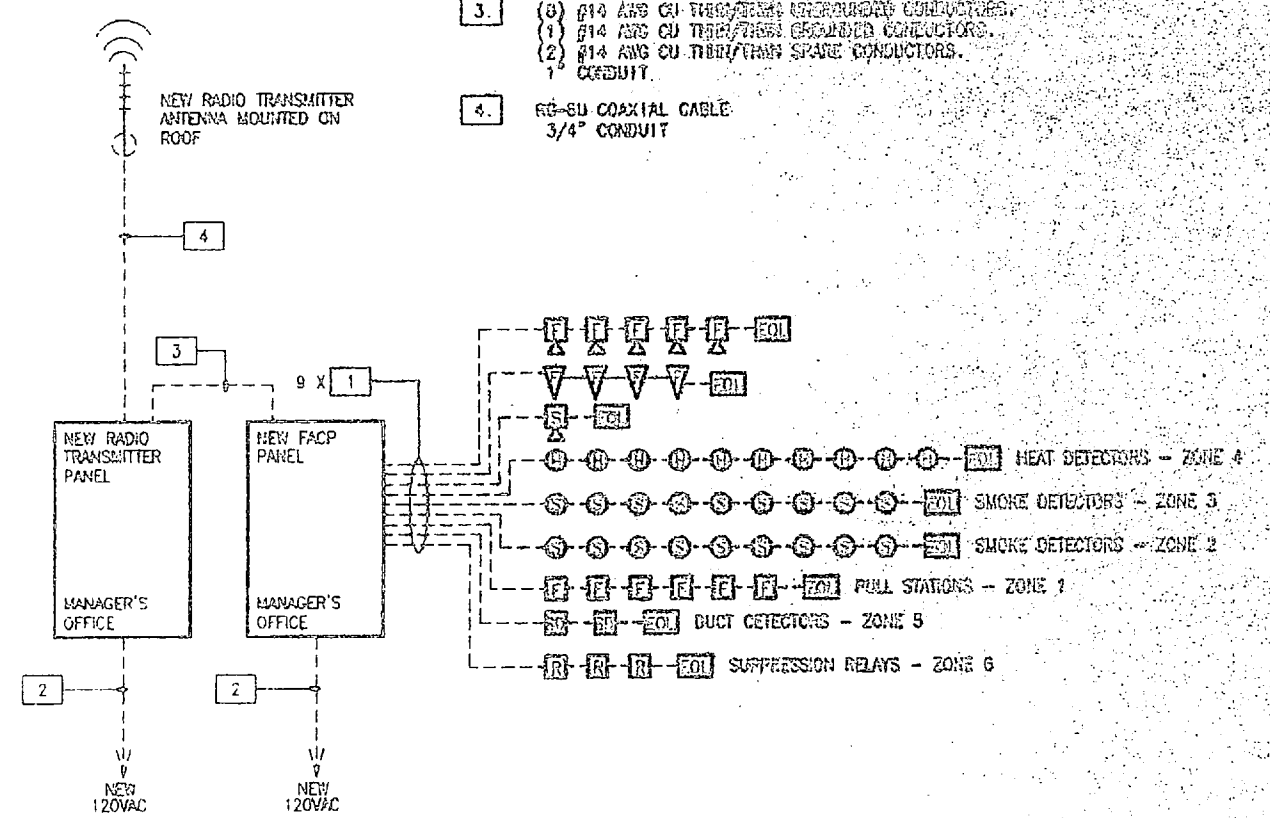
PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

INSTALLATION NOTES:

1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL "DP4" IN SERVING AREA. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL "DP4". PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARMS INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF EX. LOCATE AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL "DP4". PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
5. MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
6. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
7. UTILIZE SUSPENDED CEILING AREA TO ROUTE EXIT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH (UNLESS OTHERWISE NOTED).

SYMBOL	ZONE	DESCRIPTION
1	1	HEAT DETECTOR
2	2	SMOKE DETECTOR
3	3	PULL STATION
4	4	DUXT DETECTOR
5	5	SUPPRESSION RELAY

- SOURCE AND CABLE SPECIFICATIONS
1. (2) #14 AWG CU THERMALLY STABILIZED CONDUCTORS. (1) #14 AWG CU THERMALLY STABILIZED CONDUCTOR 3/4" CONDUIT
  2. (1) #18 AWG CU THERMALLY STABILIZED CONDUCTOR. (1) #18 AWG CU THERMALLY STABILIZED CONDUCTOR. 3/4" CONDUIT
  3. (1) #14 AWG CU THERMALLY STABILIZED CONDUCTORS. (1) #14 AWG CU THERMALLY STABILIZED CONDUCTORS. (2) #14 AWG CU THERMALLY STABILIZED CONDUCTORS. 1" CONDUIT
  4. RG-58 COAXIAL CABLE 3/4" CONDUIT



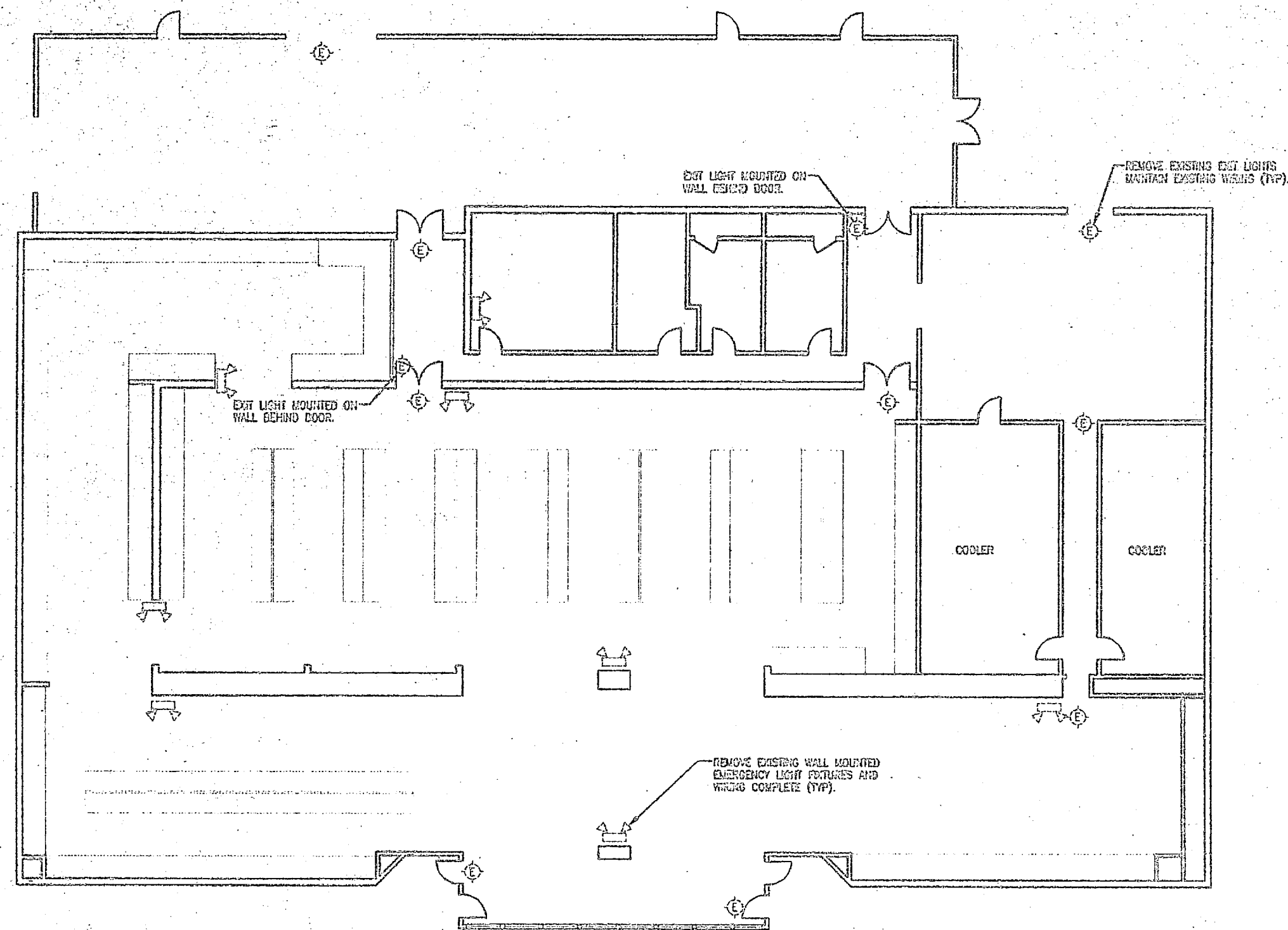
GRAPHIC SCALE - 1/8" = 1'-0"

CIVIL SERVICE DEPT. OF NAVY NAVAL FACILITIES ENGINEERING COMMAND ENGINEERING DIVISION CONSTRUCTION GROUP	PROJECT NO. 1420-100-3-1420
	PROJECT NO. 1420-100-3-1420
DES. LMD DR. RCA CRK. LMD SUPV. LMD BY CH. LMD	DRAWING NO. 60091
APPROVED OR CHECK DATE	DATE
SATISFACTORY TO	DATE



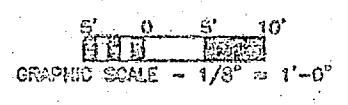


REVISIONS	



**1**  
**E-58 | E-58** BUILDING AS-414 FLOOR PLAN - DEMOLITION  
 1/8" = 1'-0"

- DEMOLITION NOTES:**
1. REMOVE ALL EXISTING EXIT LIGHT FIXTURES. MAINTAIN EXISTING WIRING.
  2. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES. REMOVE WIRING BACK COMPLETELY TO EXISTING SOURCE. ABANDON CIRCUIT IN CALLS. PROVIDE COVER ON ALL EXPOSED BOXES.



90% SUBMITTAL  
 DO NOT USE FOR  
 CONSTRUCTION



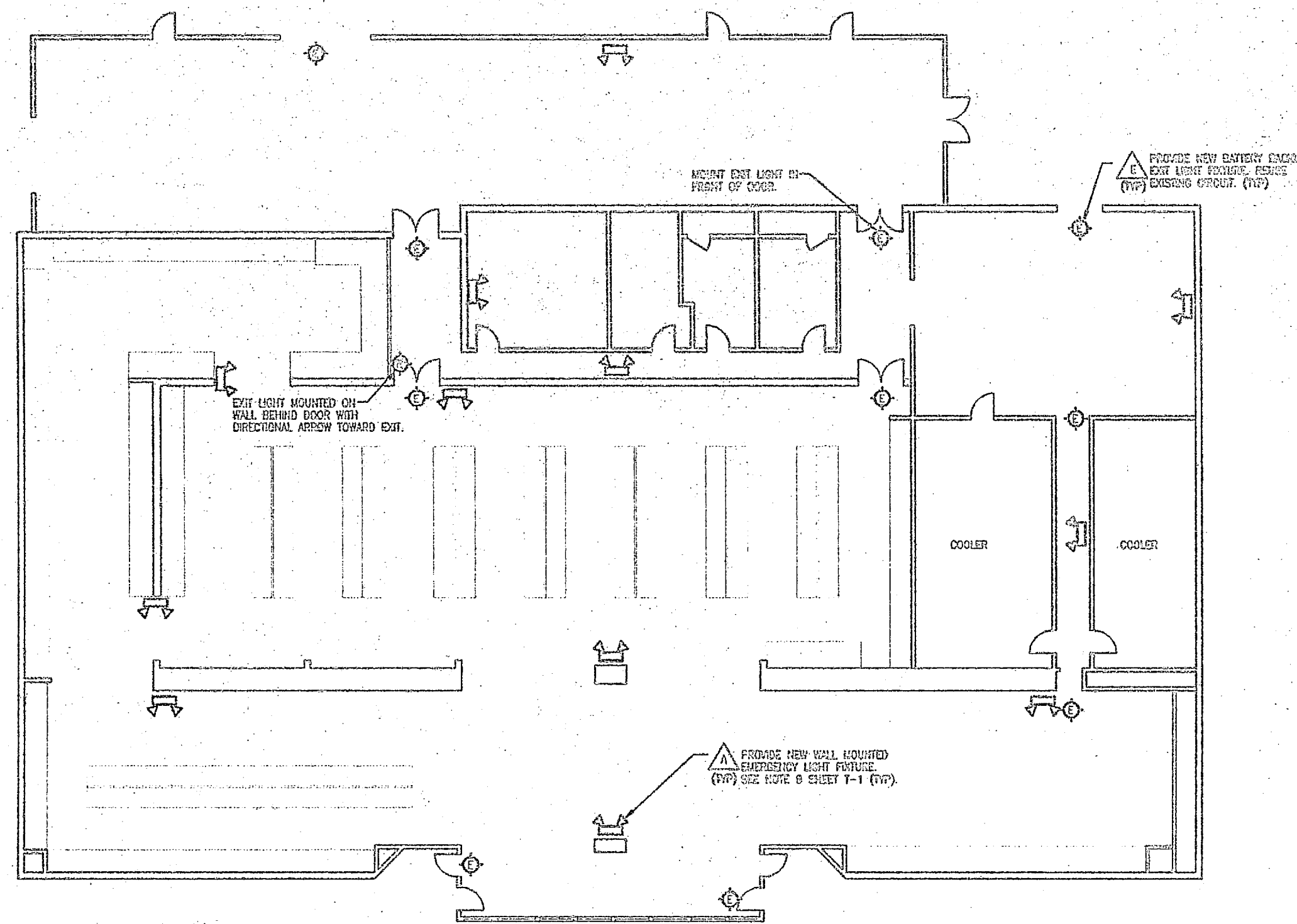
ENGINEER  
 DAVID M. FLEDER, P.E.  
 CABLE & FLEDER, P.A.

QUALITY CONTROL DEPARTMENT		DEPT OF NAVY NAVAL FACILITIES ENGINEERING CENTER	
AMUSE CAMP'S BASE CAMP LEASE INC.		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING AS-414	
PROJECT NO. N28420-CD-0-1402		DATE: 06/08/01	
DRAWN BY: [REDACTED]		DATE: 06/08/01	
CHECKED BY: [REDACTED]		DATE: 06/08/01	
APPROVED BY: [REDACTED]		DATE: 06/08/01	
DATE: 06/08/01		DATE: 06/08/01	

**E-58**



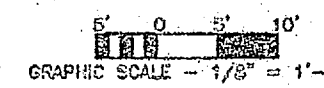
NO.	DESCRIPTION	DATE



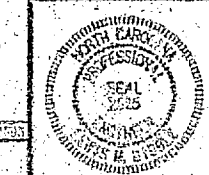
1  
E-59 | E-59  
BUILDING AS-414 FLOOR PLAN -- INSTALLATION  
1/8" = 1'-0"

**INSTALLATION NOTES:**

1. MOUNT NEW EXIT LIGHTS TO EXISTING BOX LOCATIONS. INTERCONNECT TO EXISTING WIRING. PROVIDE BREAKER LOCK-ON DEVICE.
2. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.



90% SUBMITTAL  
DO NOT USE FOR  
CONSTRUCTION



FACILITY ENGINEERING DEPT DWG 110		DEPT OF NAVY NAVAL FACILITIES ENGINEERING DEPARTMENT	
MARINE CORPS BASE CAMP LEASLEE, NC		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING AS-414	
DESIGN LMD	DATE	SIZE	COORDINATING
CHK LMD	DATE	7	80001
SUPV LMD	DATE	SCALE	AS SHOWN
IN CH LMD	DATE	DATE	DATE
APPROVED FOR EDR DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE

E-59









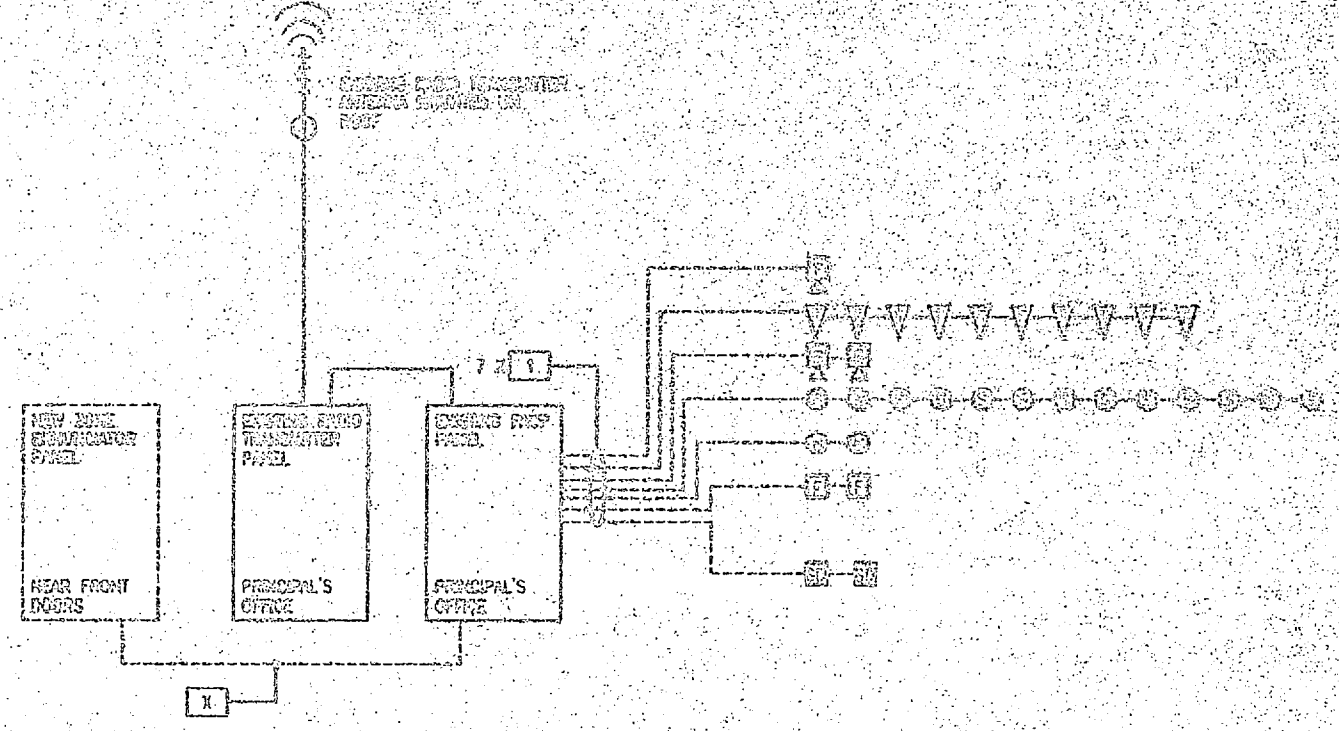
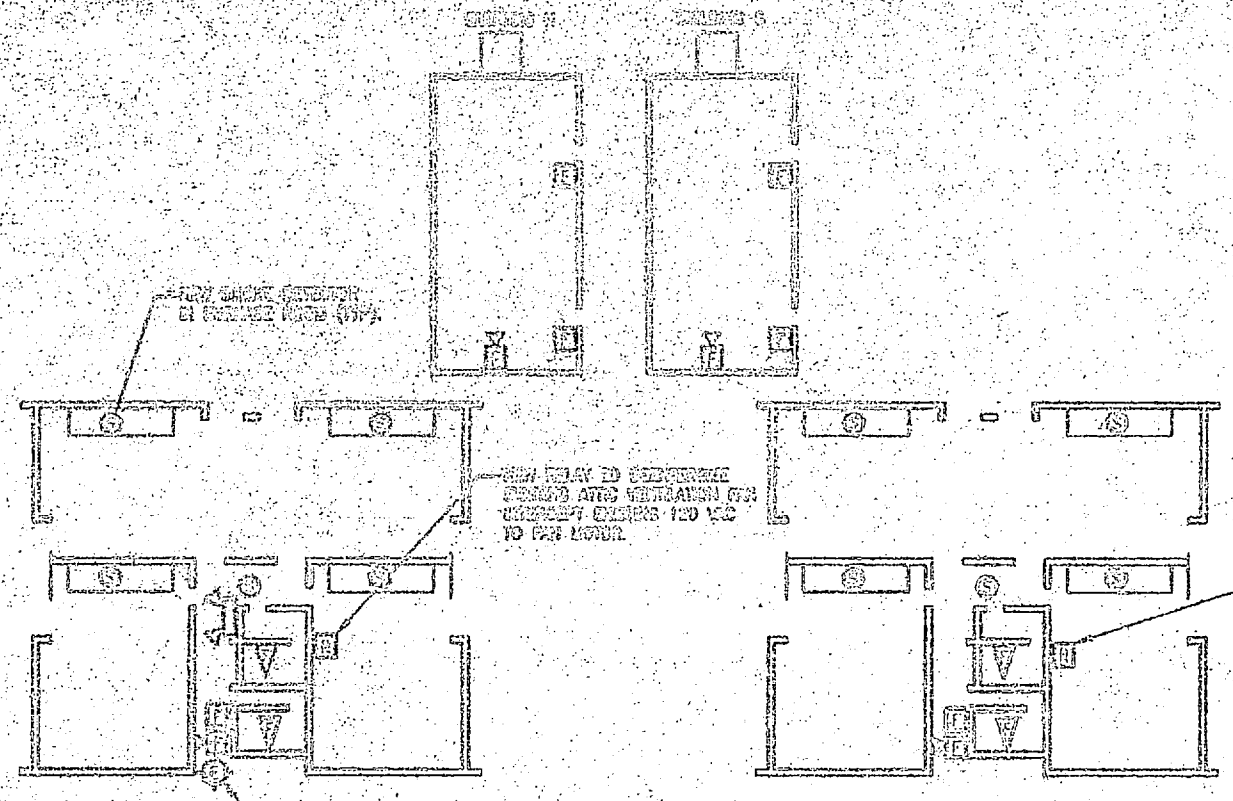








NO.	DESCRIPTION	DATE

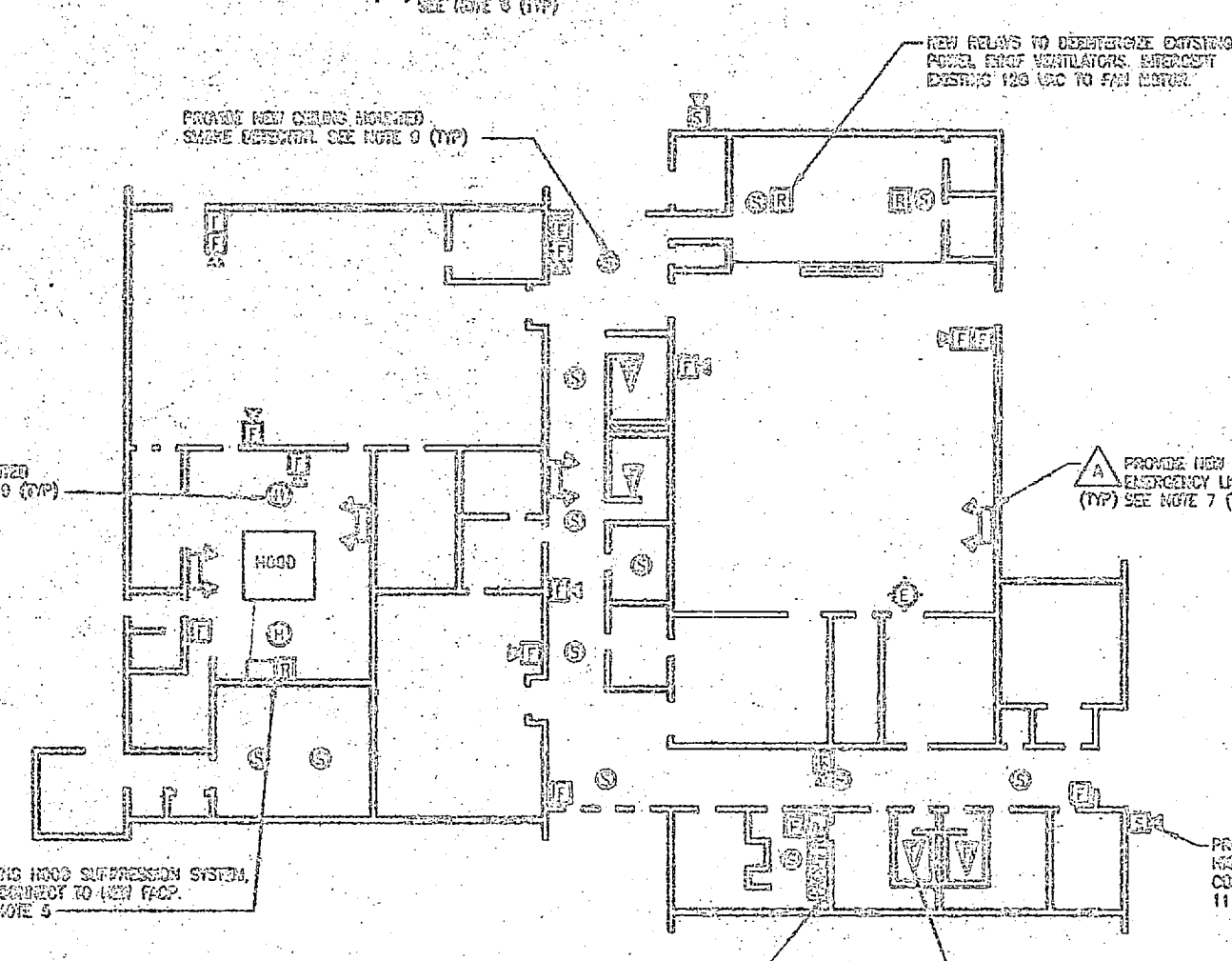
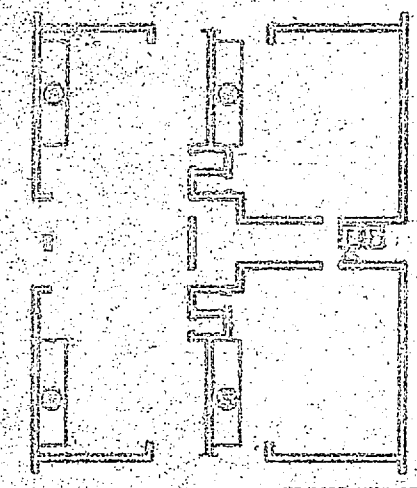


**BUILDING 5400 - ONE LINE DIAGRAM**  
E-63 E-63

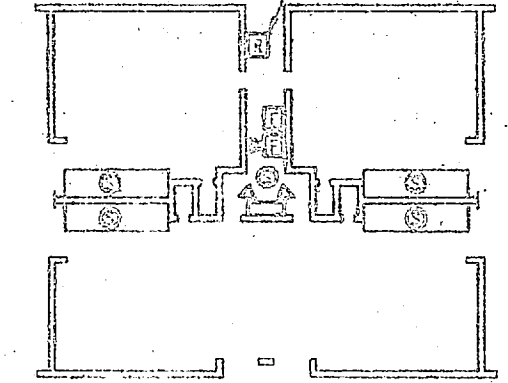
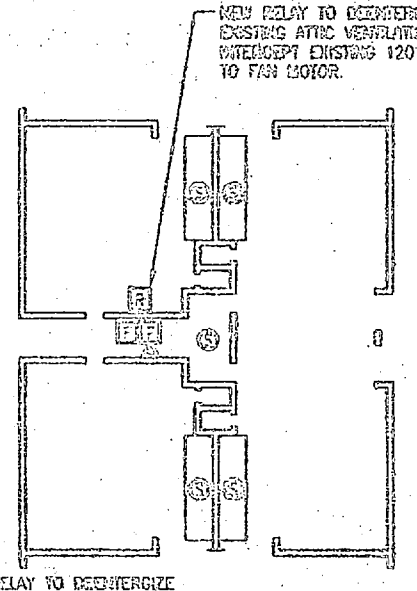
PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON RELAY TO ALL FACP, TEMPERATURE, AND SMOKE LIGHT CIRCUITS.

PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.

PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

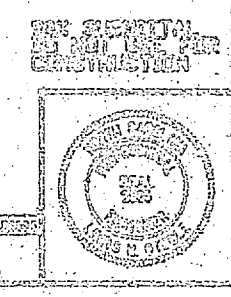


**BUILDING 5400 - FLOOR PLAN - INSTALLATION**  
E-63 E-63  
1/16" = 1'-0"



- CONDUIT AND CABLE SCHEDULE**
- (2) #14 AWG CU TRAY/TRENCH UNENCLOSED CONDUCTORS.  
(1) #14 AWG CU TRAY/TRENCH ENCLOSED CONDUCTOR.  
3/4" CONDUIT
  - (1) #10 AWG CU TRAY/TRENCH UNENCLOSED CONDUCTOR.  
(1) #10 AWG CU TRAY/TRENCH ENCLOSED CONDUCTOR.  
3/4" CONDUIT
  - (8) #14 AWG CU TRAY/TRENCH UNENCLOSED CONDUCTORS.  
(1) #14 AWG CU TRAY/TRENCH ENCLOSED CONDUCTORS.  
(2) #14 AWG CU TRAY/TRENCH SPOKE CONDUCTORS.  
1" CONDUIT
  - 60-CU CORKAL CABLE  
3/4" CONDUIT

GRAPHIC SCALE: 1/16" = 1'-0"

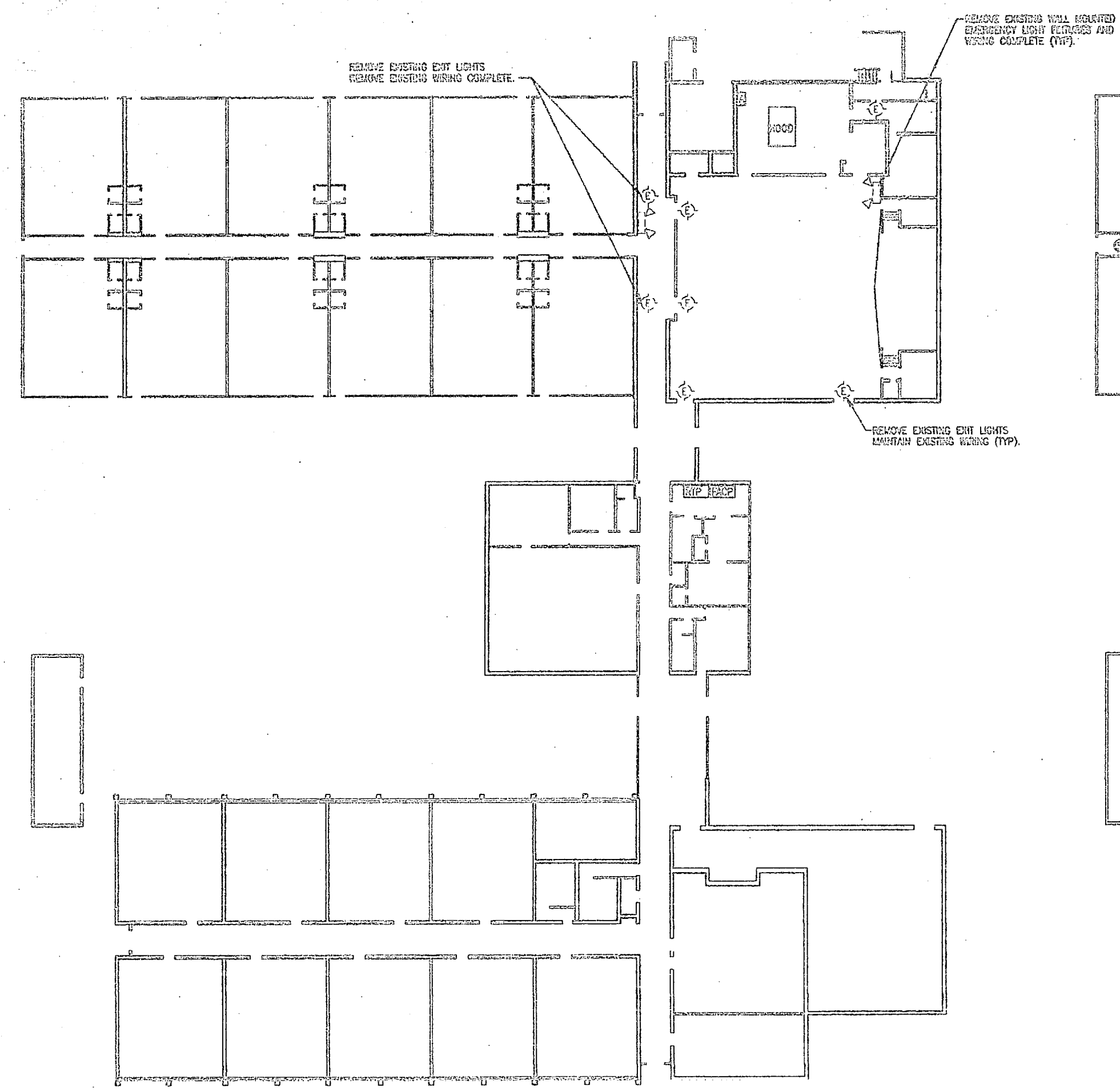


FACILITY OPERATOR'S TEST DATA		DEPT OF NAVY NAVAL FACILITIES ENGINEERING DIVISION	
DESIGNED BY: LMC		DRAWN BY: LMC	
CHECKED BY: LMC		PROJECT NO: NS2470-98-9-4411	
APPROVED BY: LMC		DATE: 10/18/98	
SALES/FACTORY TO: DATE:		DIRECTOR:	

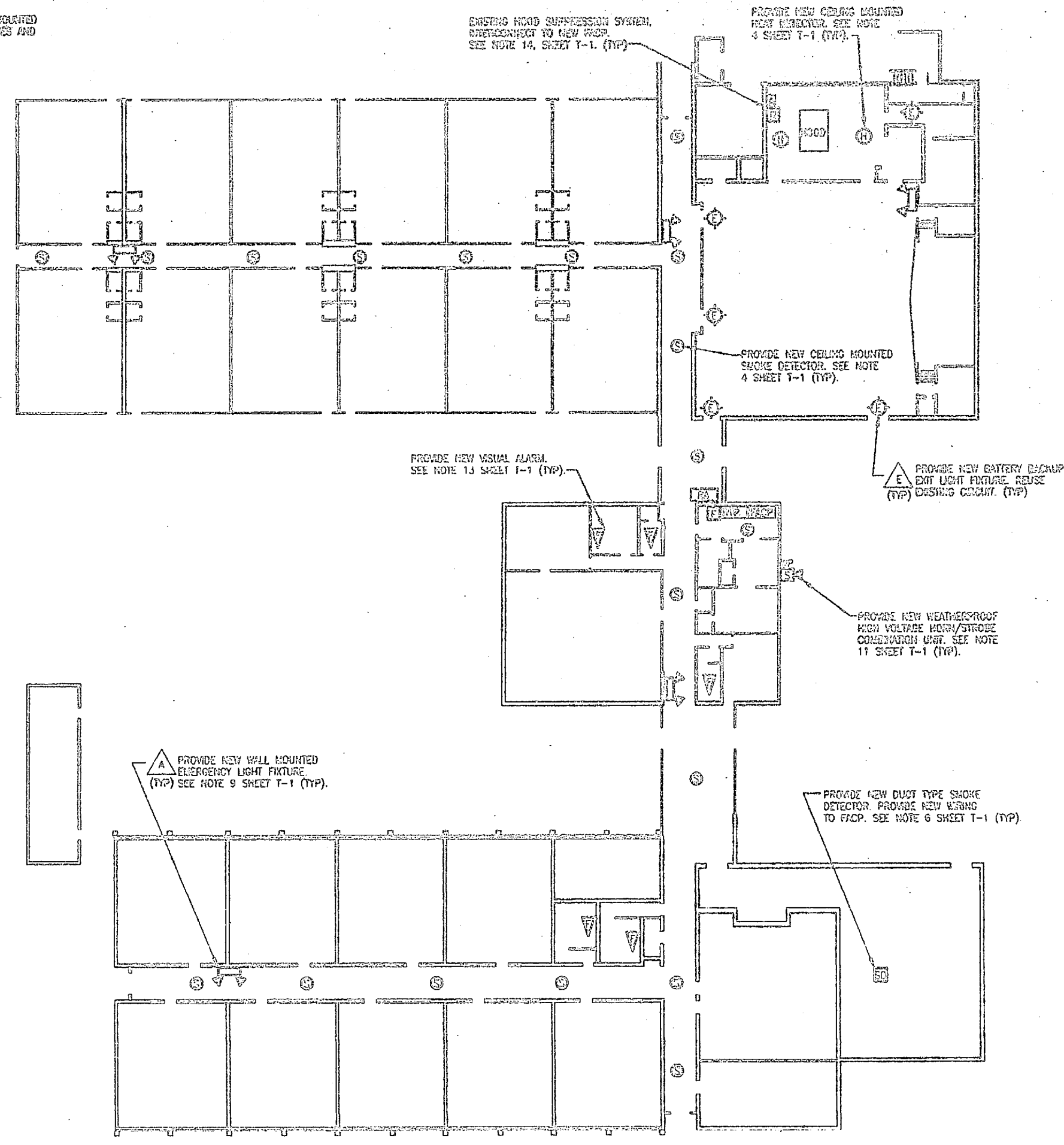
E-63



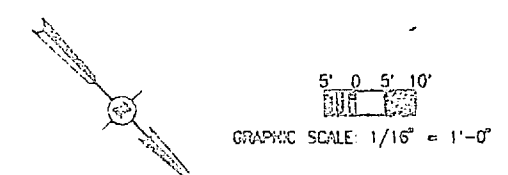
REV.	DATE	APPROVED



1  
E-64 E-64  
BLDG. 1943 FLOOR PLAN - DEMOLITION  
1/16" = 1'-0"



2  
E-64 E-64  
BLDG. 1943 FLOOR PLAN - INSTALLATION  
1/16" = 1'-0"

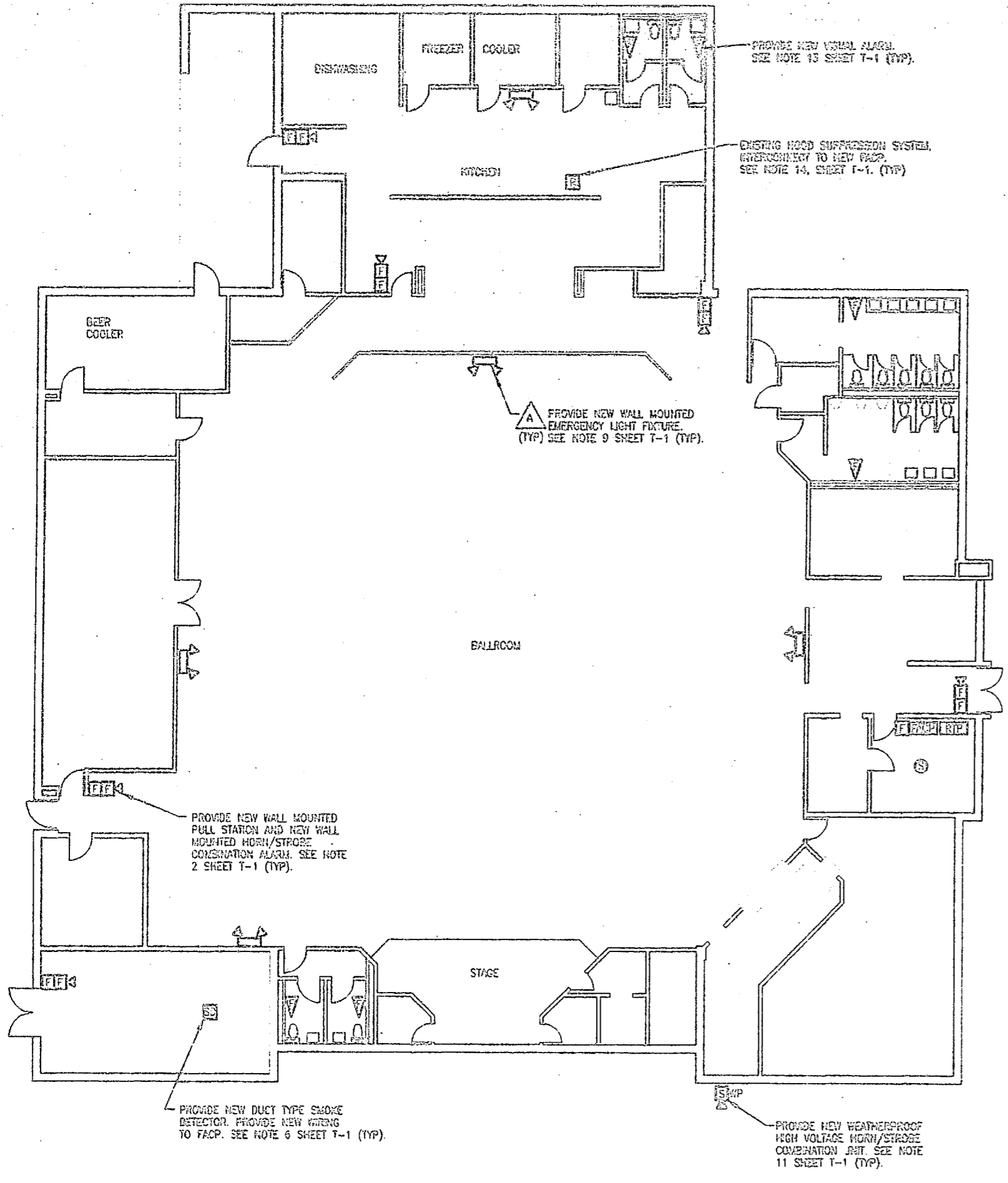


DEPT. OF NAVY NAVAL FACILITIES ENGINEERING COMMAND SPANISH CANYON ROAD, GAITHERSBURG, MD.	
<b>INSTALL FIRE ALARM SYSTEM,          VARIOUS LOCATIONS          BUILDING 1943</b>	
PROJECT NO. N62470-95-B-1492	
SUBMITTED BY CONSTRUCTION	NAVY DRAWING NO. 60001
DESIGNED BY CHECKED BY APPROVED OR CONC. DATE	PROJECT DIRECTOR DATE
SENSITIVE TO DATE	PROJECT NO. LP2C 05-95-1492

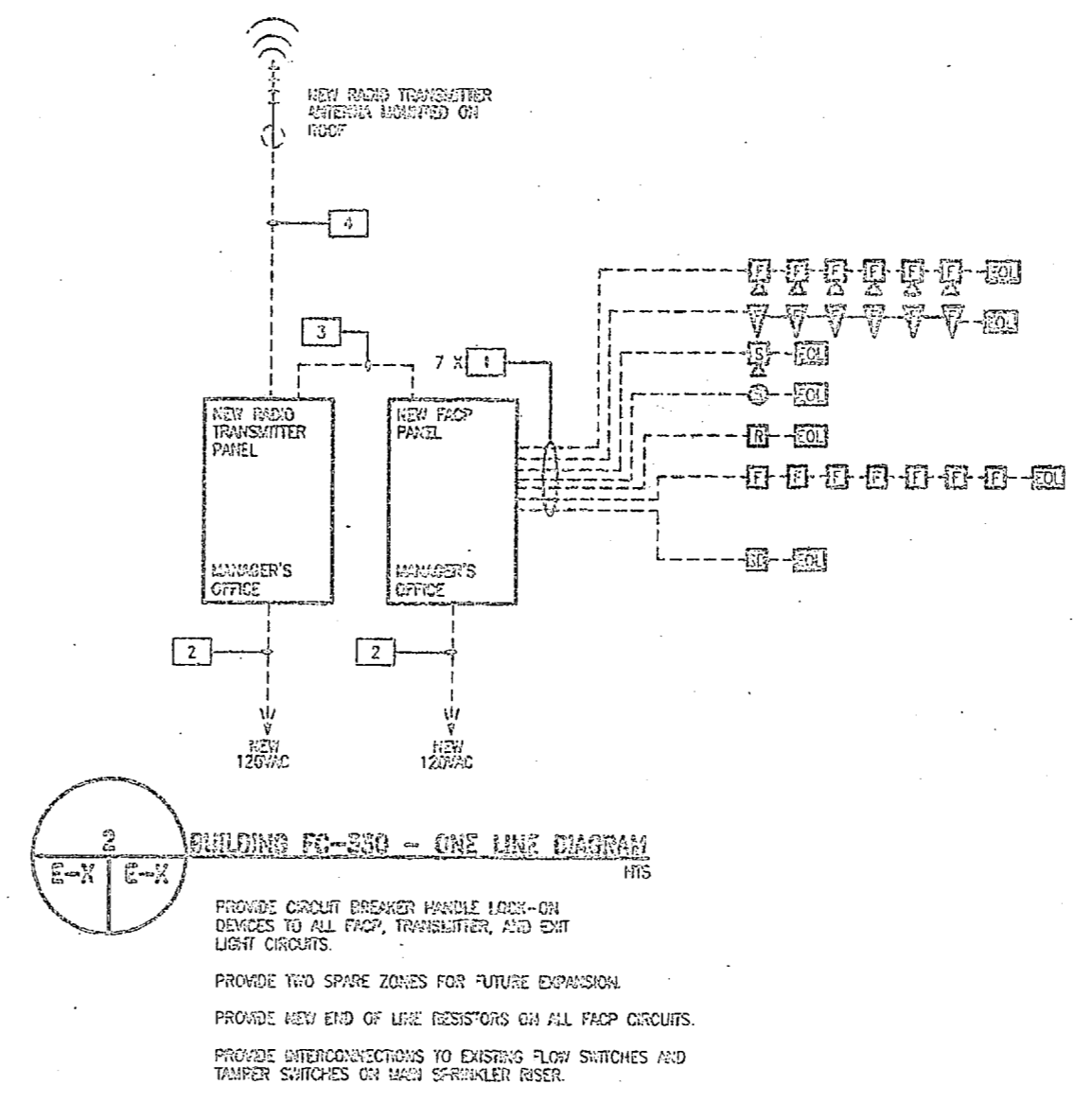
68



SYD ZONE	DESCRIPTION	DATE	APPROVED



**1**  
 BUILDING FC-330 FLOOR PLAN - INSTALLATION  
 1/8" = 1'-0"



**2**  
 BUILDING FC-330 - ONE LINE DIAGRAM  
 HIS

PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.

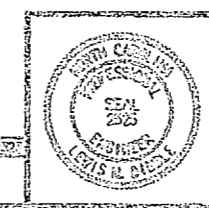
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.

PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

PROVIDE INTERCONNECTIONS TO EXISTING FLOW SWITCHES AND TAMPER SWITCHES ON MAIN SFRINKLER RISER.

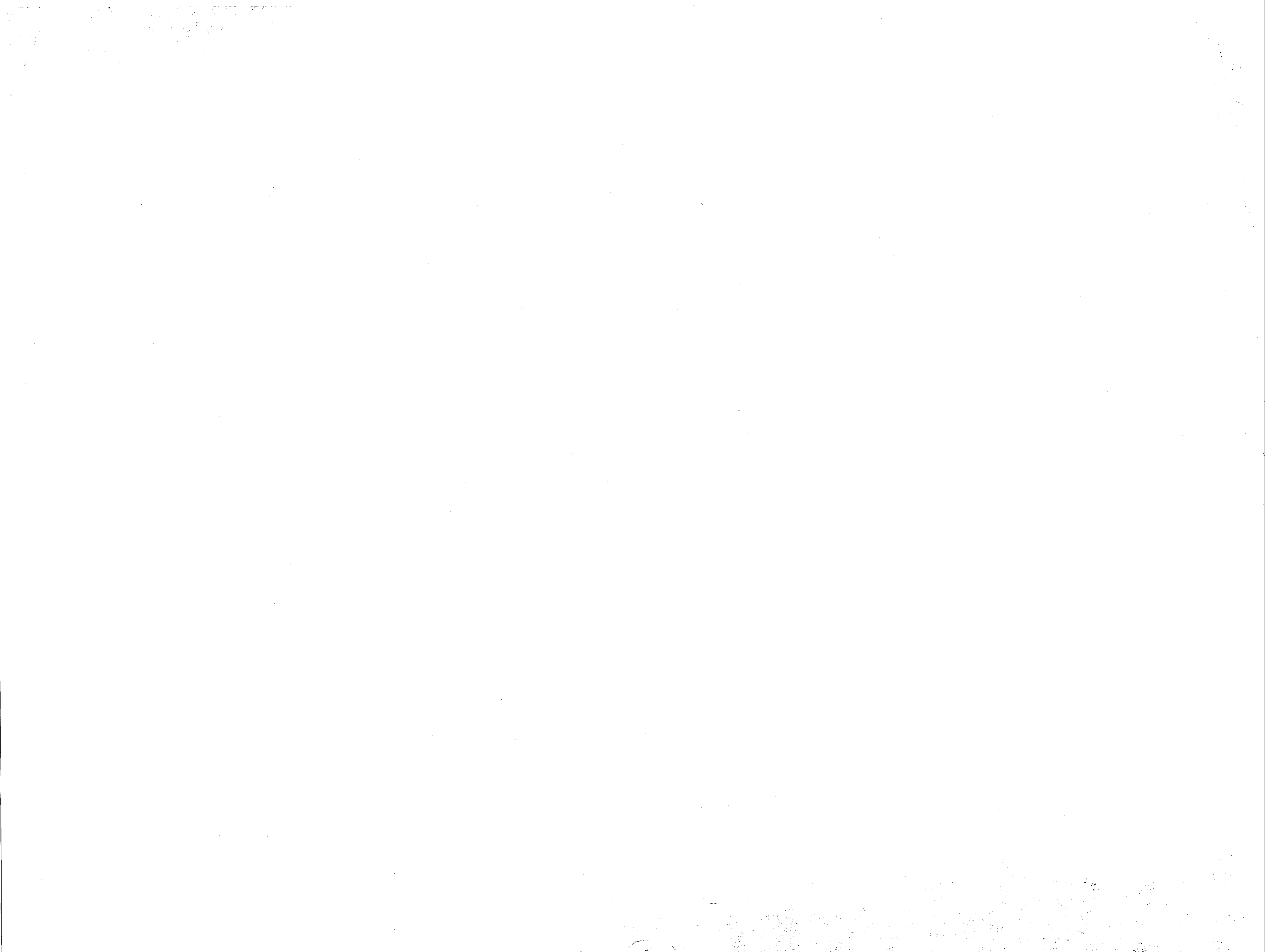
- CONDUIT AND CABLE SCHEDULE
- 1. CONSISTS OF (2) #14AG CU TRAY/TRAY UNGROUND CONDUCTORS, (1) #14AG CU GROUNDING CONDUCTOR, IN 3/4" CONDUIT.
  - 2. 1 #14 AG CU TRAY/TRAY UNGROUND CONDUCTOR, 1 #14 AG CU TRAY/TRAY GROUNDING CONDUCTOR, 3/4" CONDUIT.
  - 3. 0 #14 AG CU TRAY/TRAY UNGROUND CONDUCTORS, 2 #14 AG CU TRAY/TRAY SPARE CONDUCTORS, 1 #14 AG CU TRAY/TRAY GROUNDING CONDUCTORS, 1" CONDUIT.
  - 4. RG-6U COAXIAL CABLE, 3/4" CONDUIT.

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



SEC. SUBMITTAL FOR PERMITS FOR CONSTRUCTION	PROJECT ENGINEER'S SIGNATURE	DEPT OF NAVY HAWAII FACILITIES ENGINEERING COMMAND
DES LMD	DATE	INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING FC-330 PROJECT NO. NS2470-85-B-4411
DR RCA	DATE	
CHK LMC	DATE	HAWAII ENGINEERING CO. INC.
APPV LMD	DATE	
BY EN LMD	DATE	CONTRACT NO. NS2470-85-B-4411
APPROVED FOR ORG. DATE	DATE	US-85-4411
SATISFACTORY TO DATE	DATE	

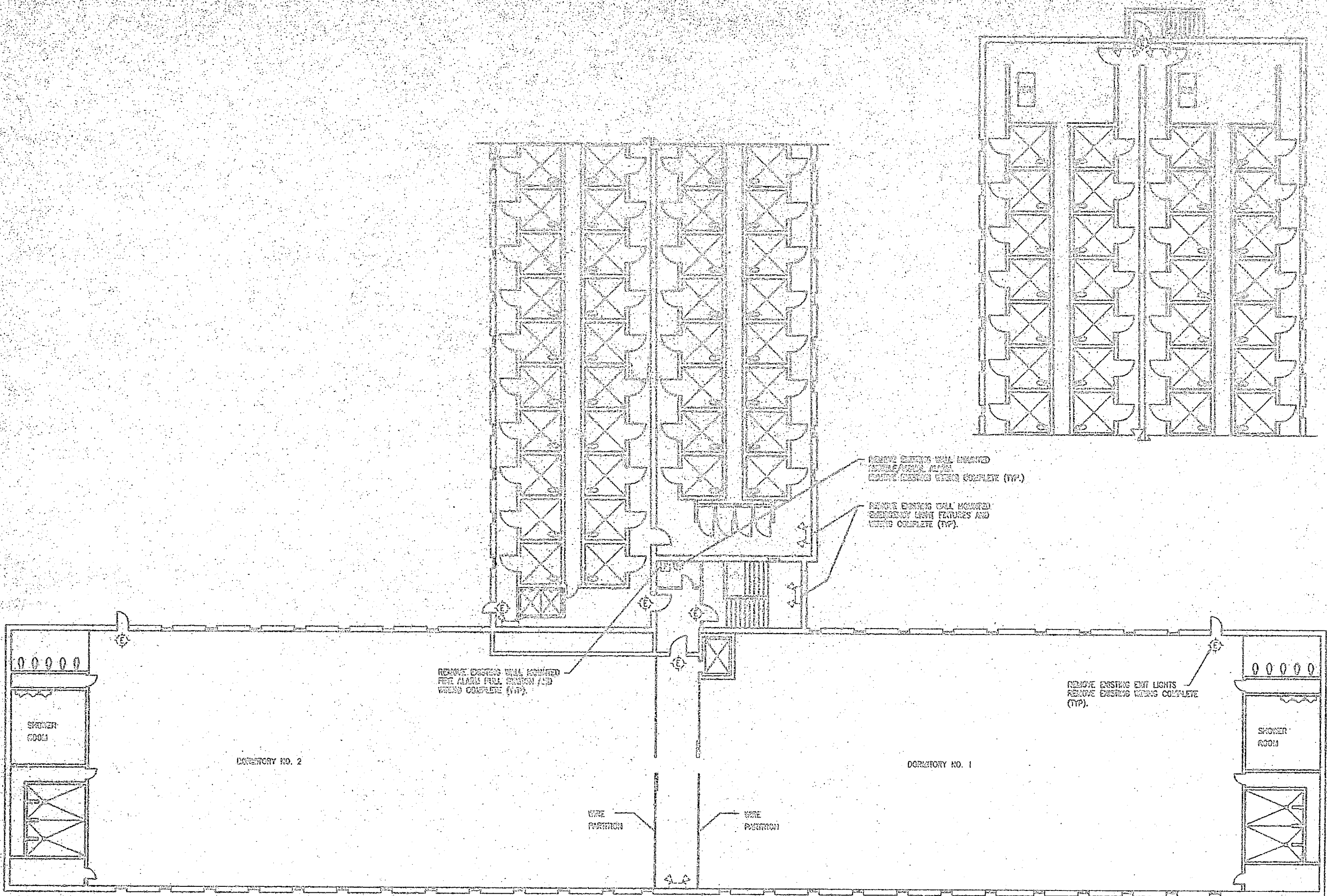
66  
 XXX  
 670












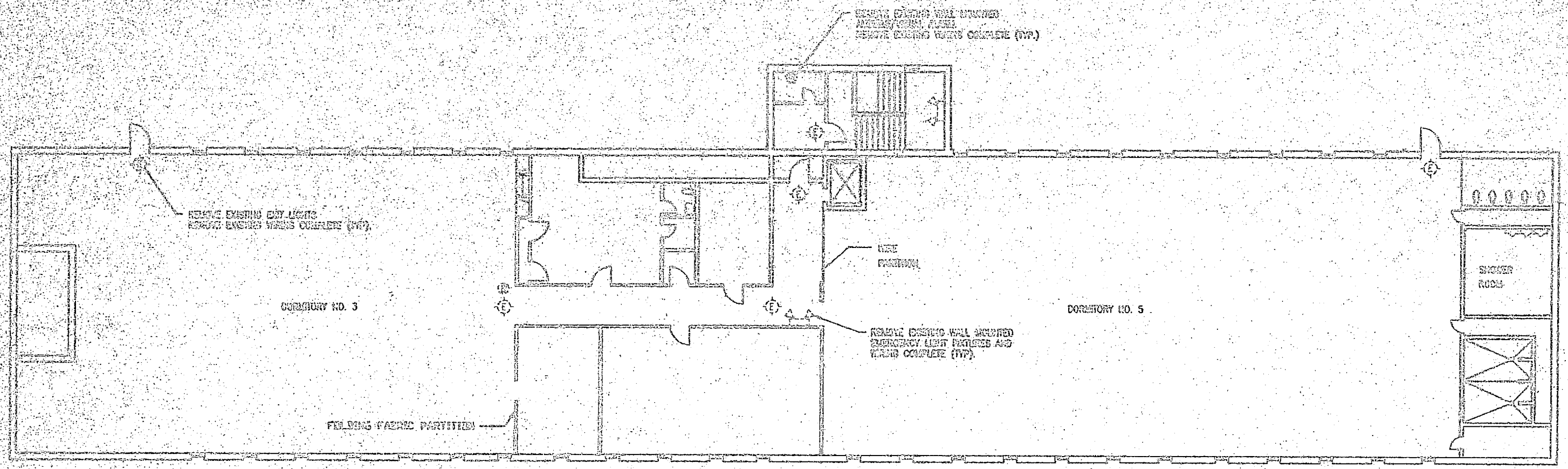

**BUILDING 1041 3RD FLOOR PLAN-DEMOLITION**  
 E-68 E-68 REFER TO FIRST FLOOR DEMOLITION NOTES E-07  
 GRAPHIC SCALE - 1/8" = 1'-0"

5' 0 5' 10'  
 GRAPHIC SCALE - 1/8" = 1'-0"  
 PROJECT NO. 1041-03-B-4411  
 SHEET NO. E-68  
 DATE 05/20/11  
 DRAWN BY [Name]  
 CHECKED BY [Name]

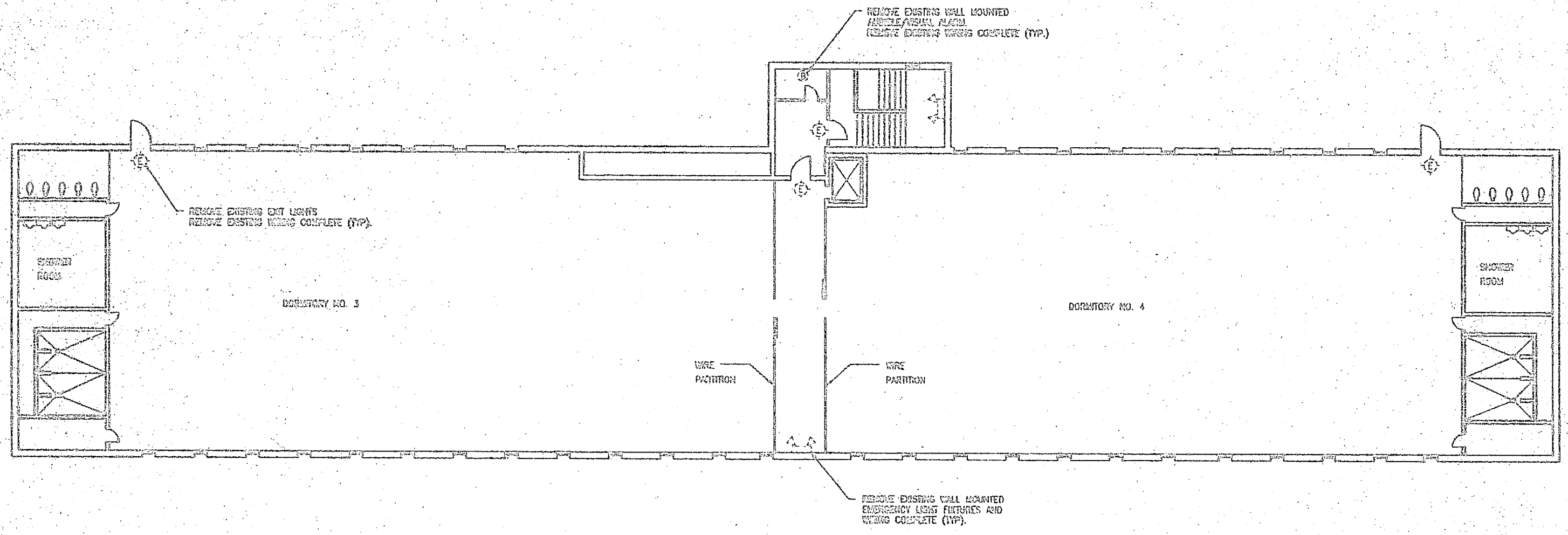
DEPT OF ENVIRONMENTAL PROTECTION DIVISION OF FIRE PREVENTION AND CONTROL	DEPT OF ENVIRONMENTAL PROTECTION DIVISION OF FIRE PREVENTION AND CONTROL
PROJECT NO. 1041-03-B-4411 SHEET NO. E-68	PROJECT NO. 1041-03-B-4411 SHEET NO. E-68
DATE 05/20/11	DATE 05/20/11

**INSTALL FIRE ALARM SYSTEM,  
 VARIOUS LOCATIONS  
 BUILDING 1041**



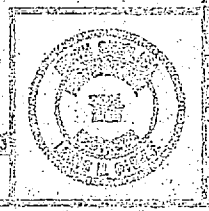


1  
 1041 4TH FLOOR PLAN RENOVATION  
 E-66 E-69 REFER TO FIRST FLOOR RENOVATION NOTES E-67  
 1/8" = 1'-0"



2  
 1041 2ND FLOOR PLAN - RENOVATION  
 E-66 E-69 REFER TO FIRST FLOOR RENOVATION NOTES E-67  
 1/8" = 1'-0"

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



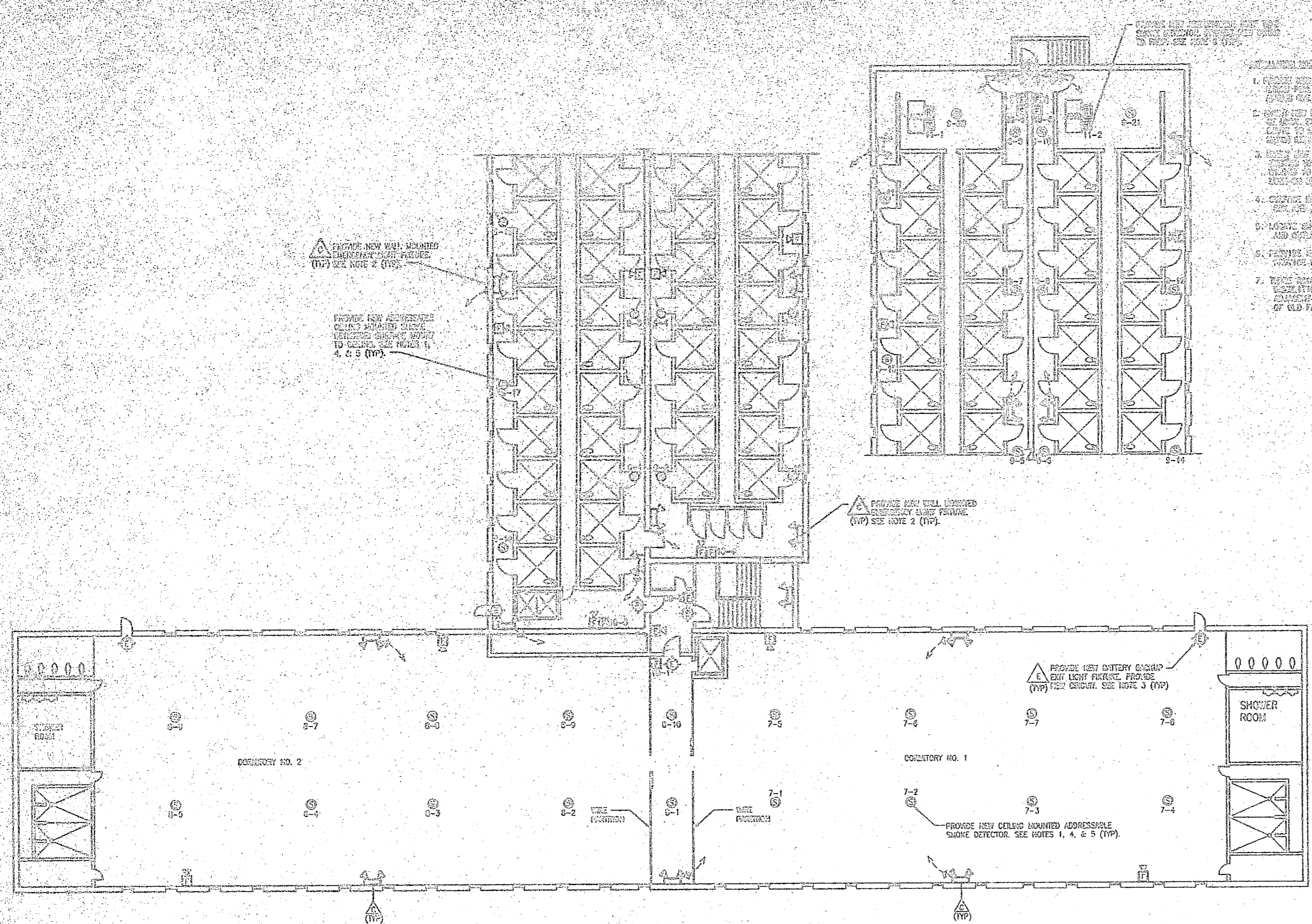
DEPT. OF NAVY NAVAL FACILITIES ENGINEERING CENTER 3333 RIFLEMAN BLVD. PENSACOLA, FLORIDA 32503		PROJECT NO. 102470-06-B-4011 DRAWING NO. 102470-06-B-4011-10
TITLE INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING 1041	DATE 08/83	DRAWN BY G.S.P.
CHECKED BY G.S.P.	APPROVED BY G.S.P.	PROJECT NO. 102470-06-B-4011











- GENERAL NOTES:**
1. PROVIDE NEW CEILING MOUNTED EMERGENCY LIGHT FIXTURES. (TYP) SEE NOTE 2 (TYP).
  2. PROVIDE NEW CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR. (TYP) SEE NOTES 1, 4, & 5 (TYP).
  3. PROVIDE NEW CEILING MOUNTED EMERGENCY LIGHT FIXTURE. (TYP) SEE NOTE 2 (TYP).
  4. PROVIDE NEW CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR. (TYP) SEE NOTES 1, 4, & 5 (TYP).
  5. PROVIDE NEW CEILING MOUNTED EMERGENCY LIGHT FIXTURE. (TYP) SEE NOTE 2 (TYP).
  6. PROVIDE NEW CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR. (TYP) SEE NOTES 1, 4, & 5 (TYP).
  7. PROVIDE NEW CEILING MOUNTED EMERGENCY LIGHT FIXTURE. (TYP) SEE NOTE 2 (TYP).

BUILDING 1041 2ND FLOOR PLAN - INSTALLATION  
 1/8" = 1'-0"

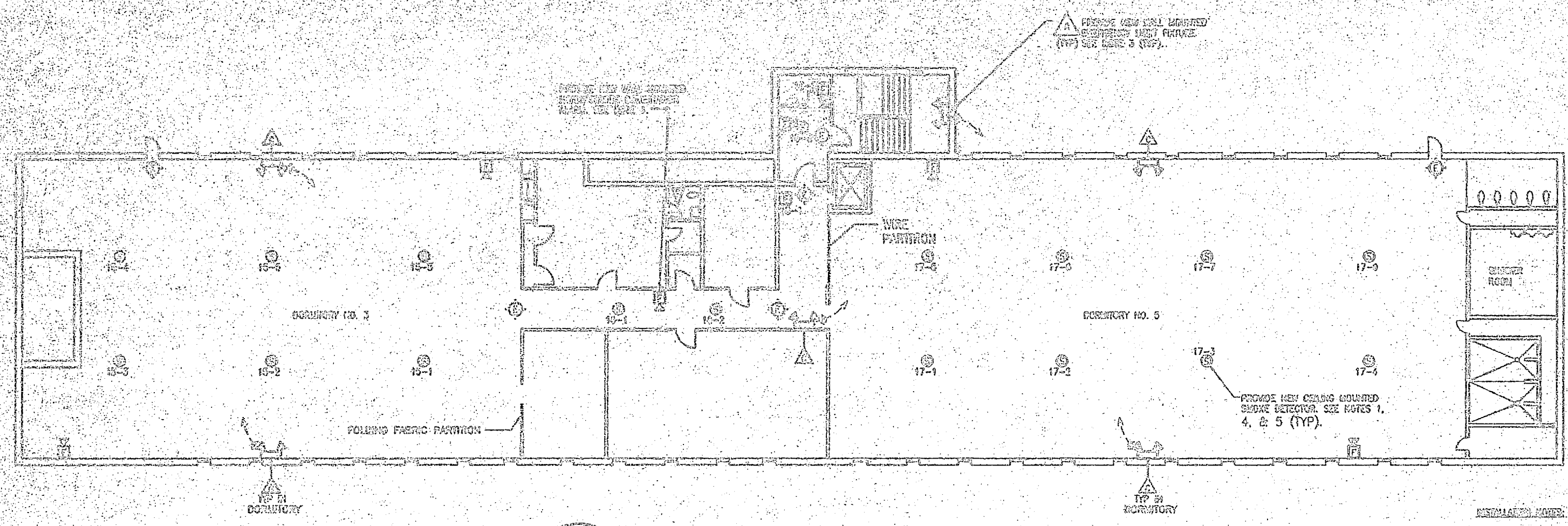
GRAPHIC SCALE - 1/8" = 1'-0"



DESIGNER	LMD	DATE	03-20-2011
CHECKED	RCA	DATE	03-20-2011
APPROVED	LMD	DATE	03-20-2011
PROJECT NO.	1041-02-B-411		
PROJECT NAME	INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 1041		
CLIENT	US ARMY CORP OF ENGRS		
LOCATION	FORT MONMOUTH, NJ		

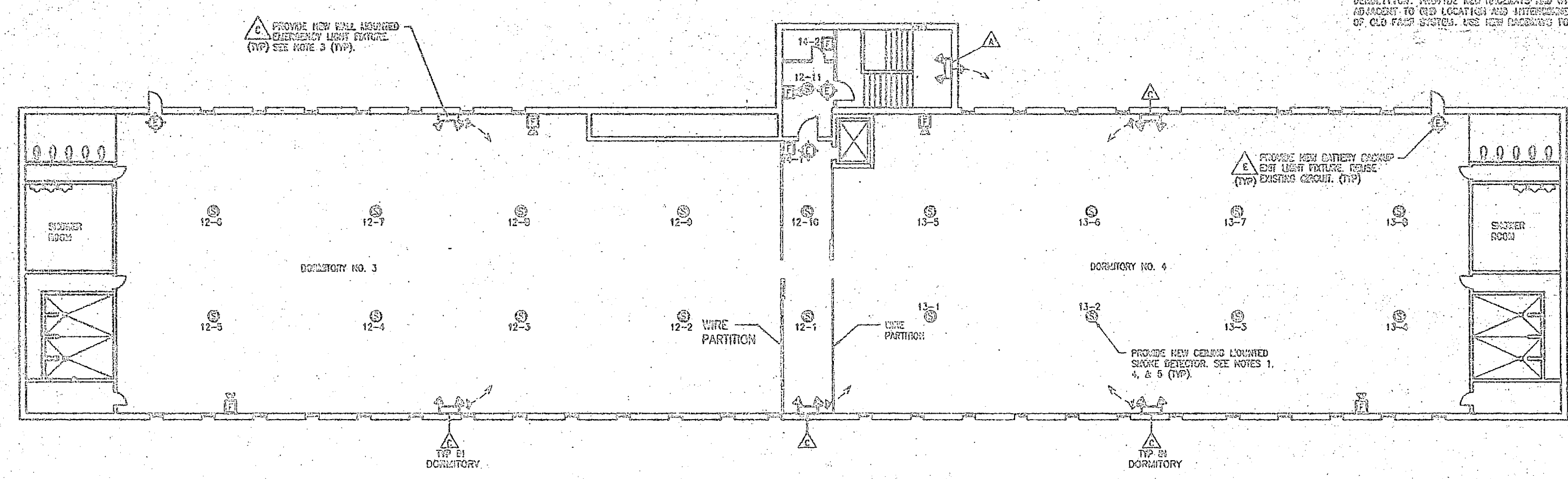


APPROVED	DATE	BY



BUILDING 1041 5TH FLOOR PLAN - INSTALLATION  
E-72 E-72  
1/8" = 1'-0"

- GENERAL NOTES:**
1. PROVIDE NEW CONCEALED BRASS OR BRASS FINISH FULL SIZE, NEW AIR SWIRE ATTACHED LIGHT EMERGENCY LIGHT FIXTURE TO TOP OF WALL MOUNTED WITH BRASS VENT. ALWAYS ONE FOOT CLEARANCE.
  2. LOCATE NEW EMERGENCY LIGHTING FIXTURES TO NEW EMERGENCY EXIT ROUTES TO ONE SIDE OF EACH CORNER AND BRASS COVER AND BRASS VENT (LOCATED ON WALL). ROUTE TO LINE WIRE OF SWITCH LEG FOR LOCAL LIGHTING CIRCUIT. PRINT MARKINGS TO MATCH EXISTING FIXTURES.
  3. LOCATE NEW EXIT LIGHTING FIXTURES TO EXISTING MARKINGS ON NEW EXITS AS SHOWN. IN EXISTING EXITS PROVIDE NEW EXIT LIGHTING FIXTURES TO EXISTING MARKINGS AND WIRING TO NEW EXITS AS SHOWN. PROVIDE NEW EXIT LIGHTING FIXTURES. PROVIDE LOCK-IN DEVICE (CIRCUIT BREAKER SWITCH FOR EXISTING EXIT LIGHTING CIRCUIT).
  4. SURFACE MOUNT NEW CEILING MOUNTED SMOKE DETECTOR. PROVIDE SURFACE MOUNTING CAN AND ROUTE NEW WIRING ALONG CEILING. USE SURFACE MOUNT RACEWAY ON WALLS.
  5. LOCATE SMOKE DETECTORS TO MAINTAIN MINIMUM 3 FOOT CLEARANCE TO ALL WALLS, DOORS AND OUTLETS.
  6. THOSE ROOMS THAT ARE EXISTING AND OBSOLETE IN THIS SHALL BE ABANDONED PER DEPARTMENT. PROVIDE NEW ROOMS AND WIRING TO NEW DEVICES. LOCATE NEW DEVICES ADJACENT TO OLD LOCATION AND INTERCONNECT NEW DEVICES PRIOR TO DECOMMISSIONING OF OLD FIRE SYSTEM. USE NEW MARKINGS TO DEVICES AS SHOWN ABOVE.



BUILDING 1041 3RD FLOOR PLAN - INSTALLATION  
E-72 E-72  
1/8" = 1'-0"

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

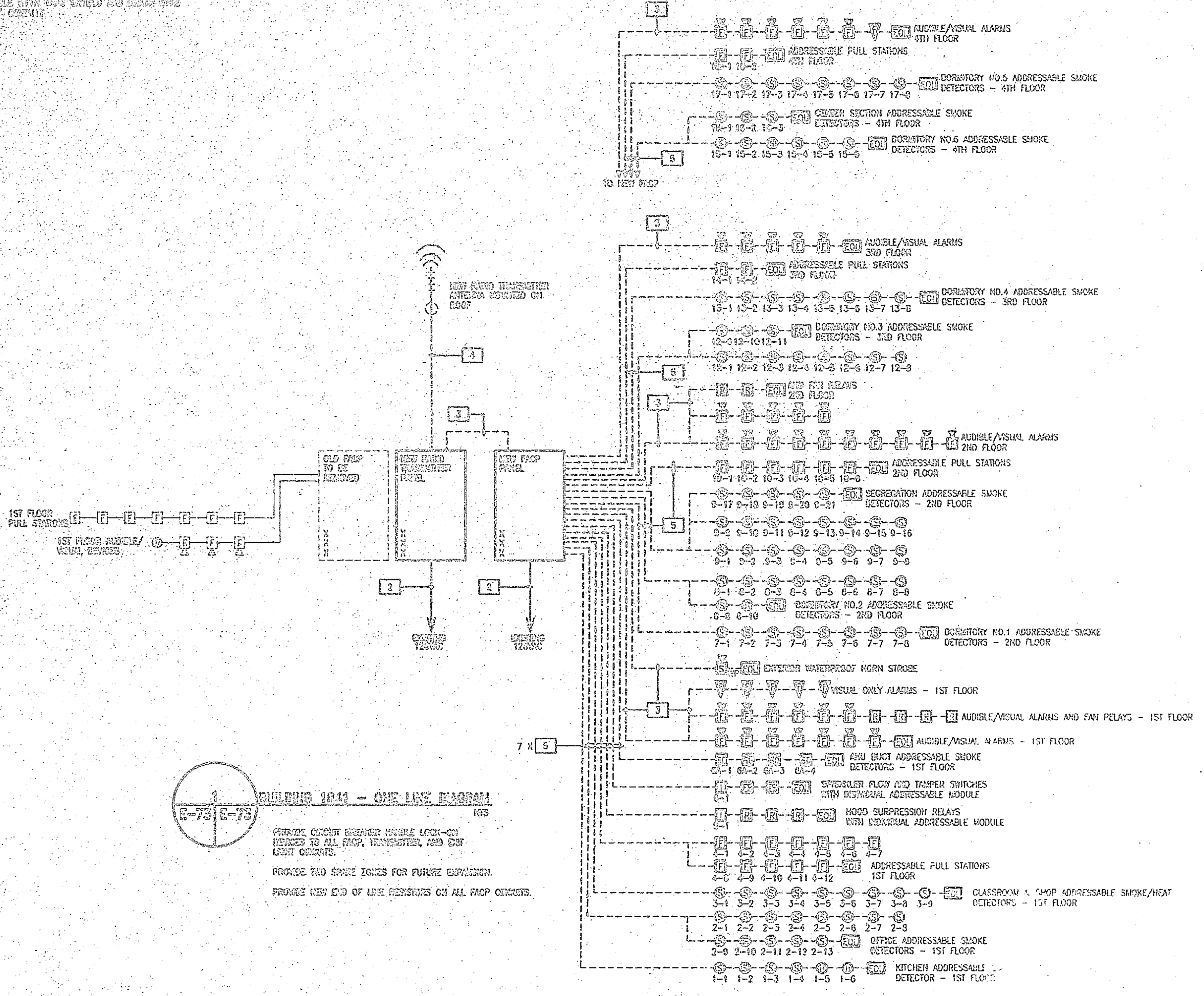


NAVY FACILITIES ENGINEERING CENTER	
CORP OF NAVY	
INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 1041	
PROJECT NO. NS2470-95-B-4411	NAVY FACILITIES ENGINEERING CENTER
DATE: 12/20/95	PROJECT NO. NS2470-95-B-4411
DATE: 12/20/95	PROJECT NO. NS2470-95-B-4411



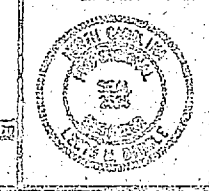
DATE	REVISION	BY	APPROVED

1. PROVIDE ALL NECESSARY ADDRESSABLE DEVICES AND WIRING TO ALL PULL STATIONS, TRANSMITTERS AND EXISTING DEVICES.
2. PROVIDE ALL NECESSARY ADDRESSABLE DEVICES AND WIRING TO ALL PULL STATIONS, TRANSMITTERS AND EXISTING DEVICES.
3. PROVIDE ALL NECESSARY ADDRESSABLE DEVICES AND WIRING TO ALL PULL STATIONS, TRANSMITTERS AND EXISTING DEVICES.
4. PROVIDE ALL NECESSARY ADDRESSABLE DEVICES AND WIRING TO ALL PULL STATIONS, TRANSMITTERS AND EXISTING DEVICES.
5. PROVIDE ALL NECESSARY ADDRESSABLE DEVICES AND WIRING TO ALL PULL STATIONS, TRANSMITTERS AND EXISTING DEVICES.
6. PROVIDE ALL NECESSARY ADDRESSABLE DEVICES AND WIRING TO ALL PULL STATIONS, TRANSMITTERS AND EXISTING DEVICES.



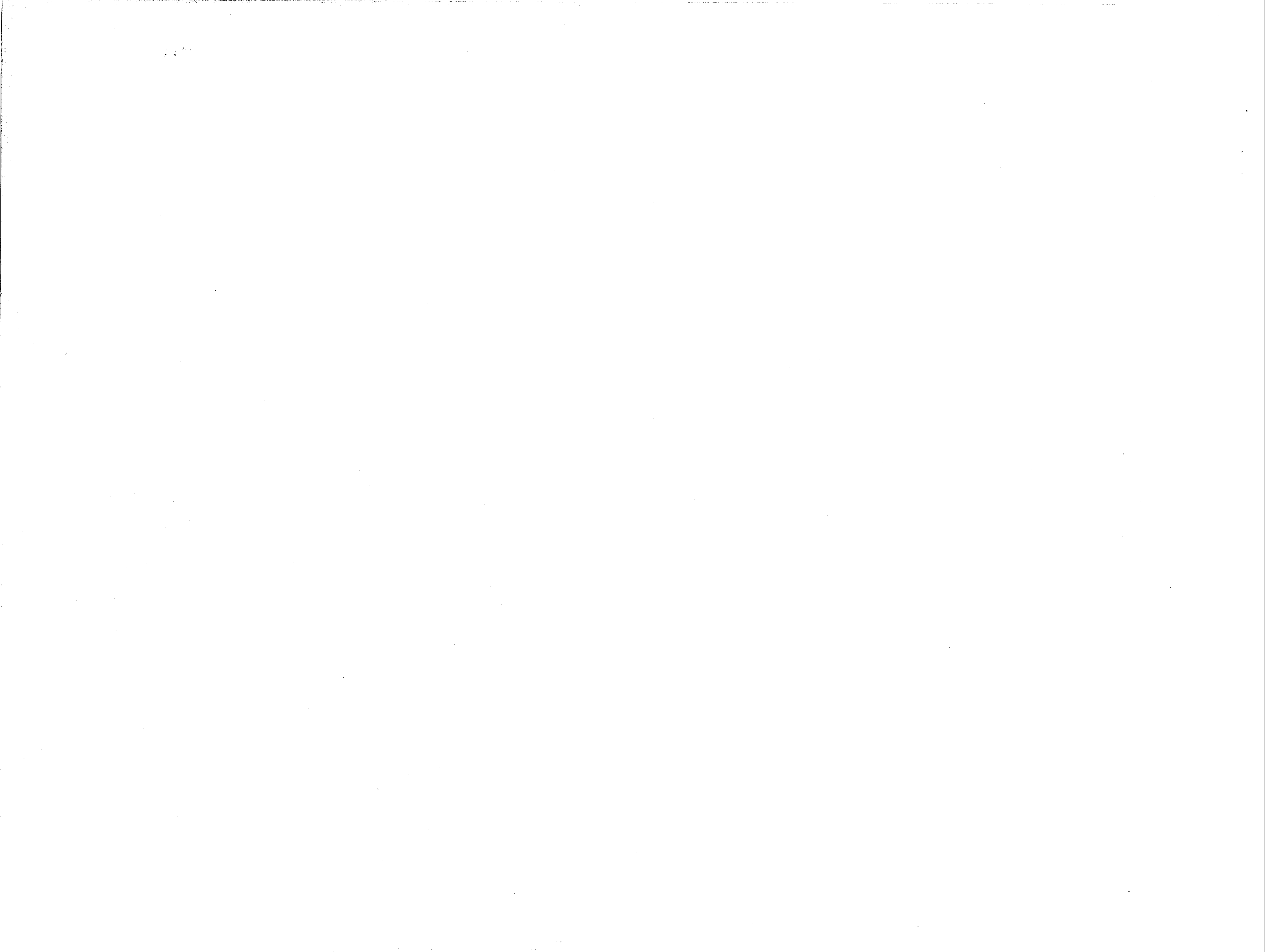
**BUILDING 1041 - ONE LINE DIAGRAM**  
 IGS  
 PROVIDE CLOSET BEHIND WALLS FOR ALL PULL STATIONS, TRANSMITTERS, AND EXISTING DEVICES.  
 PROVIDE TWO SPACE ZONES FOR FUTURE EXPANSION.  
 PROVIDE NEW END OF LINE RESISTORS ON ALL PULL STATIONS.

CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL FIRE ALARM ASSOCIATION (NFPA) STANDARDS.

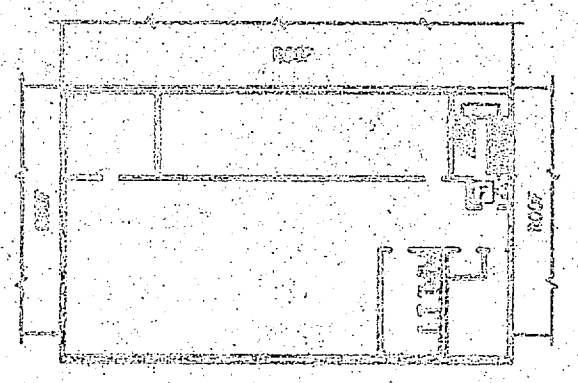


FACILITY DESIGNER/OWNER/CLIENT		DEPT. OF ARMY - SIGNAL CENTER (ENGINEERING COMMAND)	
DESIGNED BY		INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 1041 - ONE LINE	
CHECKED BY		PROJECT NO. NE2470-96-B-4411	
DRAWN BY		DRAWING NUMBER	
APPROVED ON (G.O.) DATE		DATE FOR CONSTRUCTION	
SALES/FACTORY NO.		DATE	

**E-73**

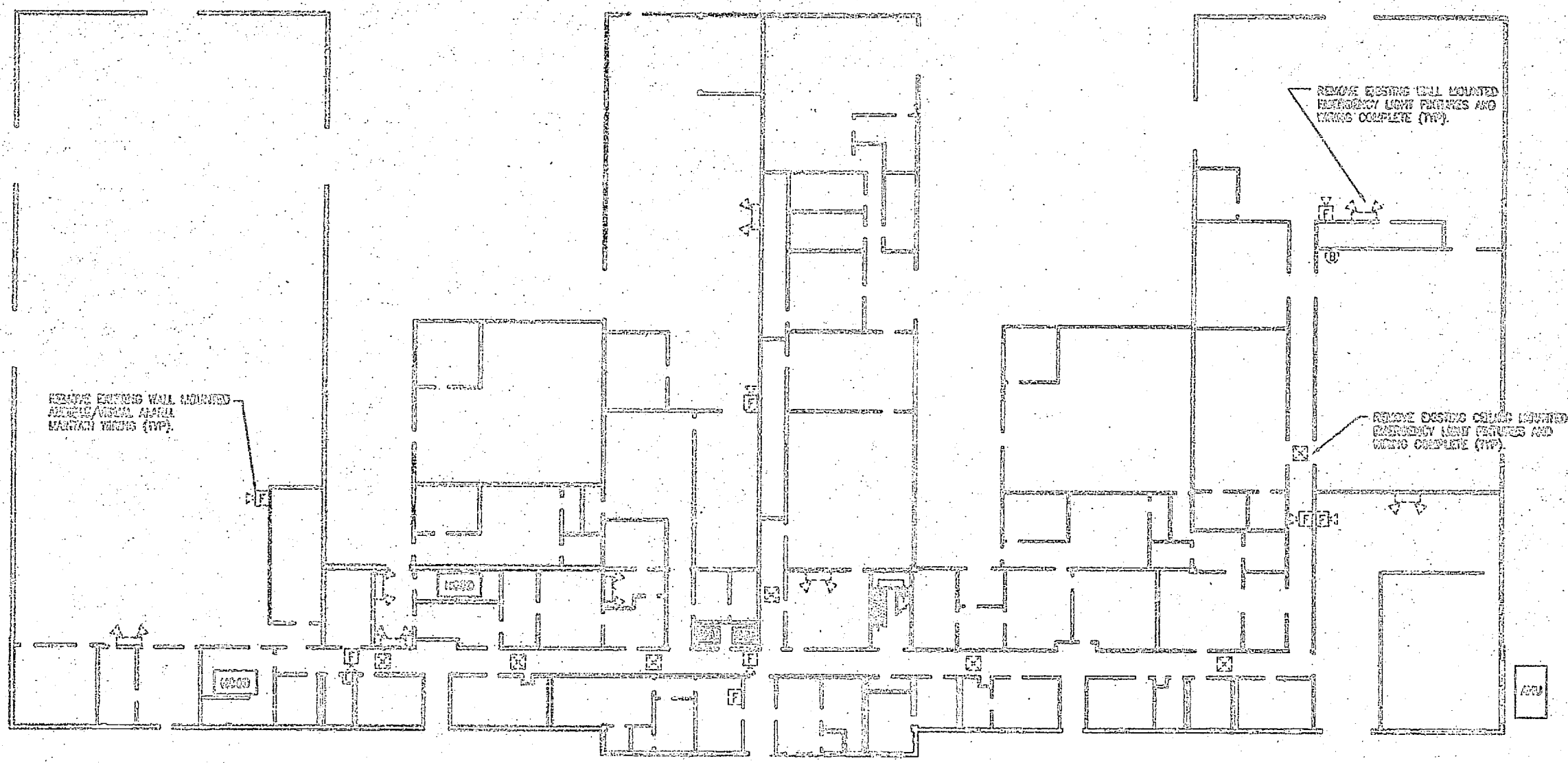


NO.	DATE	REVISIONS



- REVISIONS:**
1. EXISTING WIRING IS CONCEALED IN CONDUIT WITHIN THE WALLS. REMOVE WIRING TO ALL DEVICES THEN REMOVE CONDUIT CONCEALED IN THE WALLS. REMOVE ALL CONCEALED REMOVED FIRE ALARM CONDUIT COMPLETELY.
  2. REMOVE ALL CONVENTIONAL FIRE ALARM DEVICES AS INDICATED. PROVIDE BLACK COVER TO ALL ABANDONED DEVICES.
  3. REMOVE ALL EXISTING EXCESSIVE LIGHTING FIXTURES. REMOVE WIRING FROM CONDUITS TO EXISTING SOURCE. ABANDON CONDUIT IN WALLS. PROVIDE BLACK COVER ON ALL ABANDONED RINGS.

2ND FLOOR PLAN



BUILDING 1202 1ST FLOOR PLAN - REMOVAL  
E-731 E-73  
1/16" = 1'-0"

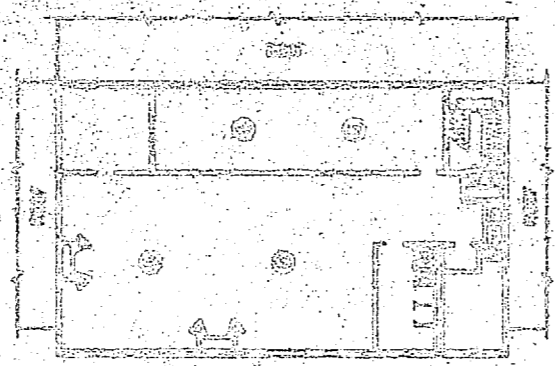
GRAPHIC SCALE - 1/16" = 1'-0"  
5' 0" 5' 10"

74

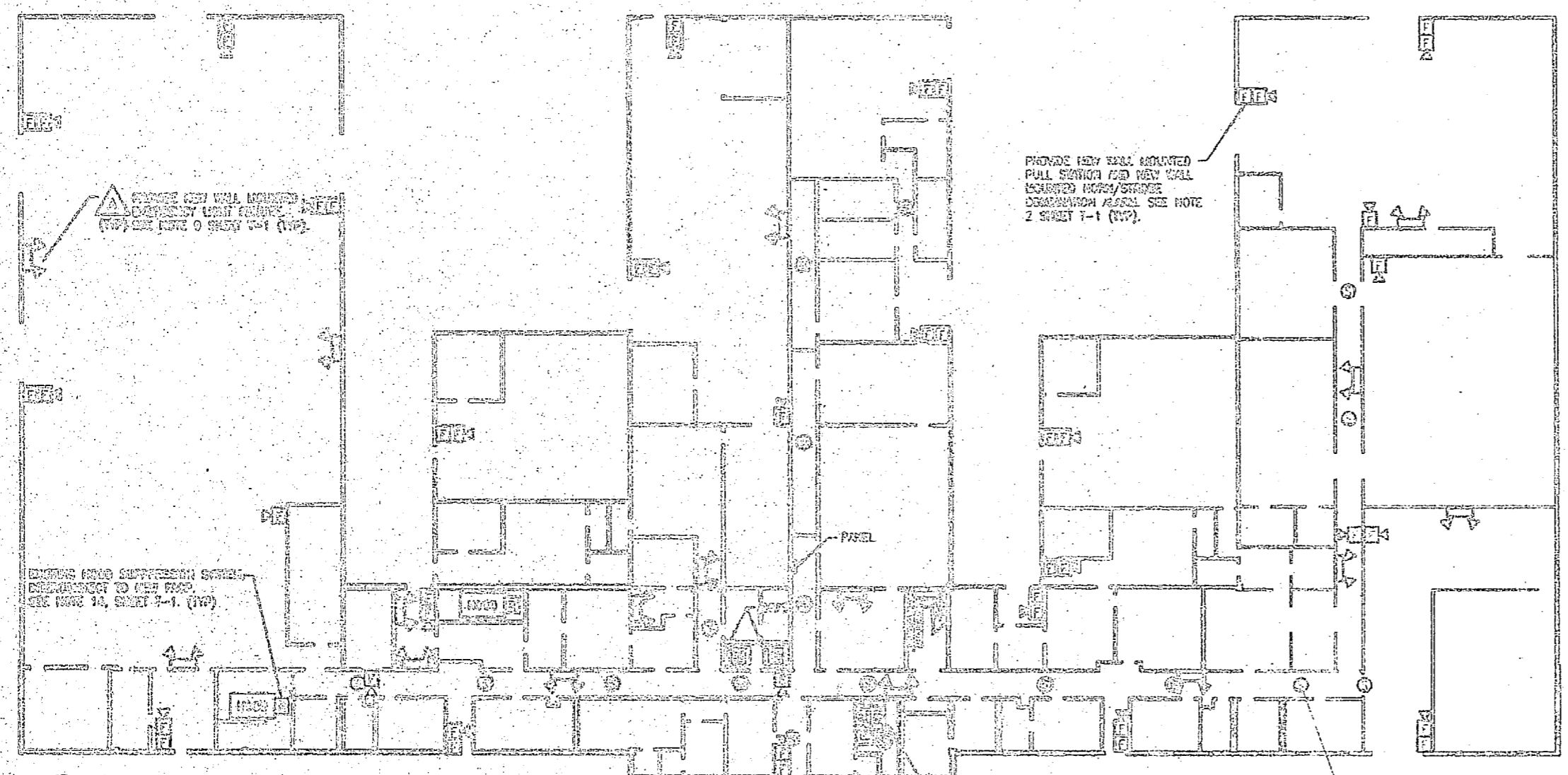
	<p>DEPT OF NAVY</p> <p>INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 1202</p> <p>PROJECT NO. N207D-65-9-1492</p>
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2ND FLOOR PLAN



PROVIDE NEW WALL MOUNTED PULL STATION AND NEW WALL MOUNTED HORN/STROBE. DEMONSTRATION MODEL. SEE NOTE 2 SHEET 1-1 (TYP).

CHANGE NEW WALL MOUNTED PULL STATION TO LIGHT FIXTURE. (TYP) SEE NOTE 0 SHEET 1-1 (TYP).

REMOVE EXISTING SUPPRESSION SYSTEM. DEMONSTRATION MODEL. SEE NOTE 14, SHEET 1-1 (TYP).

EXTERIOR WEATHER PROOF FIRE ALARM HORN MOUNT 1' BELOW ROOF EDGE.

PROVIDE NEW FACP & RFP AND FULL STATION ON WALL.

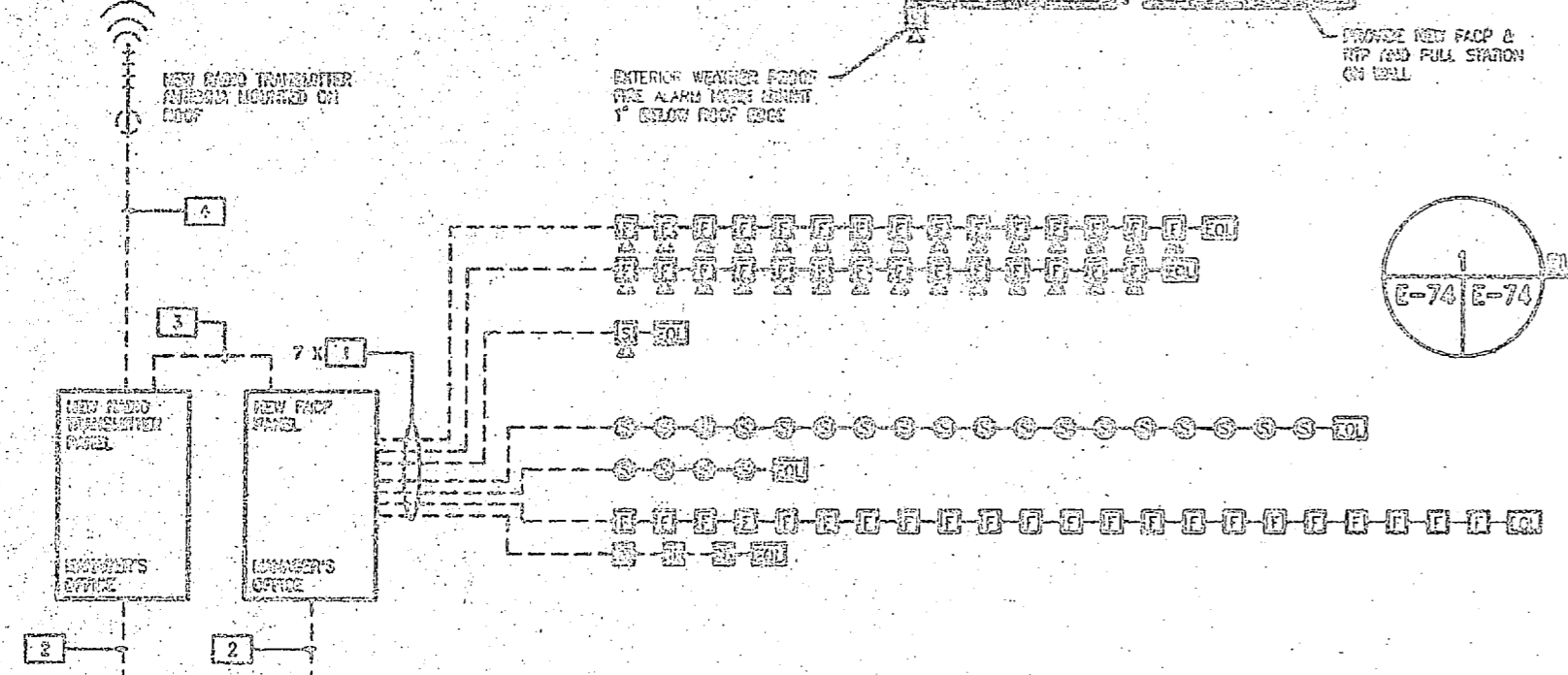
PROVIDE NEW CEILING MOUNTED SMOKE DETECTOR. SEE NOTE 7 SHEET 1-1 (TYP).

PROVIDE NEW DUCT TYPE SMOKE DETECTOR. PROVIDE NEW WIRING TO FACP. SEE NOTE 6 SHEET 1-1 (TYP).

INSTALLATION NOTES:

1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL IN HALL BESIDE AHU ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, HORN/STROBE / VISUAL ALARMS, SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF EX. HORN/STROBE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
5. PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANEL, AND ROUTE WIRING BACK TO FACP LOCATION.
6. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
7. UTILIZE SUSPENDED CEILING AREA TO ROUTE EXISTING CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE SUSPENDED CEILING DOWN TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)

NO.	REVISION	DATE	APPROVED



NEW RADIO TRANSMITTER PANEL MOUNTED ON ROOF.

BUILDING 1202 1ST FLOOR PLAN - DEMOLITION  
E-74 | E-74  
1/16" = 1'-0"

CONDUIT AND CABLE SCHEDULE

1. (2) #14 AWG CU THHN/THW UNBUNDLED CONDUCTORS.  
(1) #14 AWG CU THHN/THW GROUNDING CONDUCTOR.  
3/4" CONDUIT
2. (1) #12 AWG CU THHN/THW UNBUNDLED CONDUCTOR.  
(1) #12 AWG CU THHN/THW GROUNDING CONDUCTOR.  
3/4" CONDUIT
3. (8) #14 AWG CU THHN/THW UNBUNDLED CONDUCTORS.  
(1) #14 AWG CU THHN/THW GROUNDING CONDUCTOR.  
(2) #14 AWG CU THHN/THW SPLIT CONDUCTORS.  
1" CONDUIT
4. RG-59 COAXIAL CABLE  
3/4" CONDUIT

PROVIDE CIRCUIT BREAKER (HANDLE LOCK-ON) DEVICES TO ALL FACP, TRANSMITTER, AND EXT LIGHT CIRCUITS.  
PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.  
PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

BUILDING 1202 - ONE LINE DIAGRAM  
E-74 | E-74

GRAPHIC SCALE - 1/16" = 1'-0"  
5' 0" 5' 10"

NAVY ARCHITECTURE DIVISION

DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND

INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS, BUILDING 1202

PROJECT NO. N02470-95-B-1492

DATE: 06-28-1992

DESIGNED BY: LHM

CHECKED BY: RCA/LEB

DRAWN BY: LHM

IN CHARGE: LHM

APPROVED BY: GUC DATE

MANUFACTURED BY: BAK

DATE: 06-28-1992

SHEET 1 OF 1

MICAS FIRE ALARM  
AS205  
AS4035  
3502  
~~820~~ 820  
4010  
4012  
414  
4020  
4025  
225  
2013 POST SAM  
Bill Ward

MCAS FIRE ALARM

AS 205  
AS 4035

Bill Ward

3502

~~820~~ 820

451

4010

5783

4012

414

4020

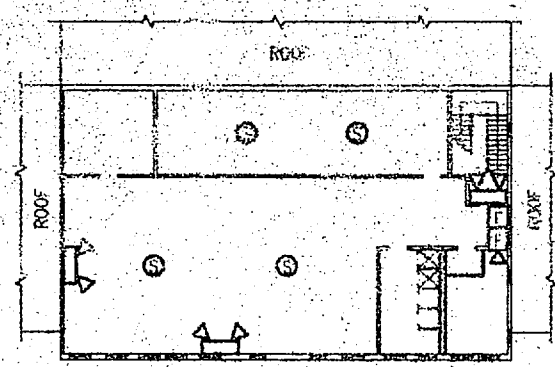
4025

225

2013 Aut. SAM

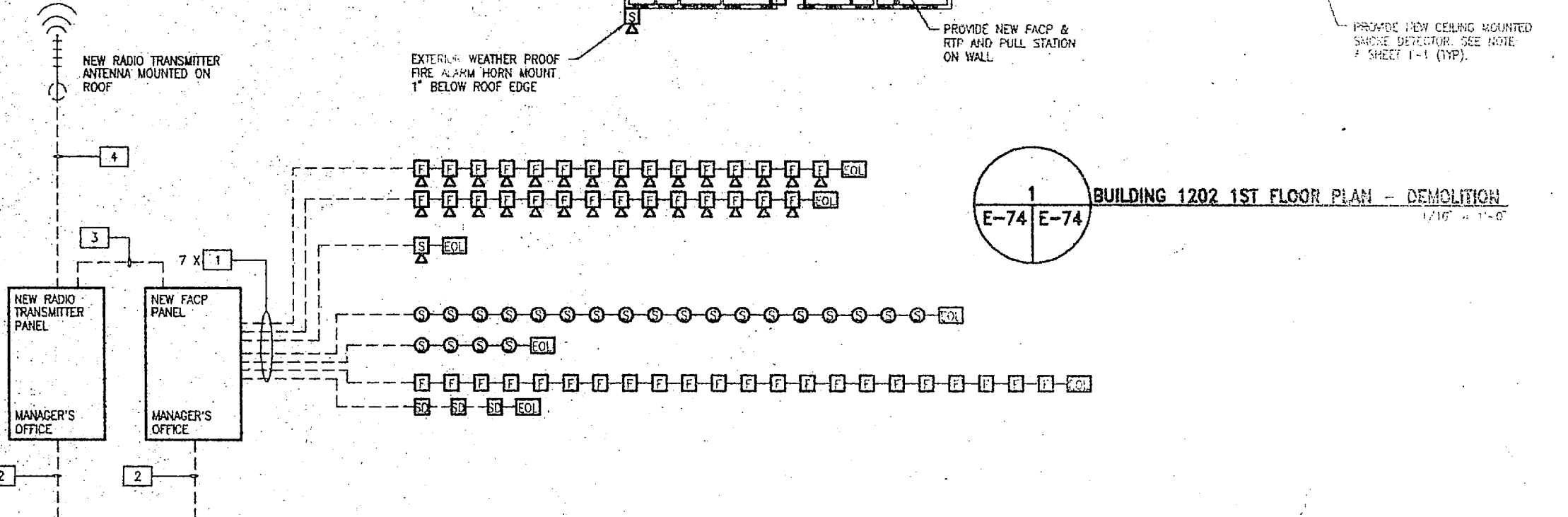
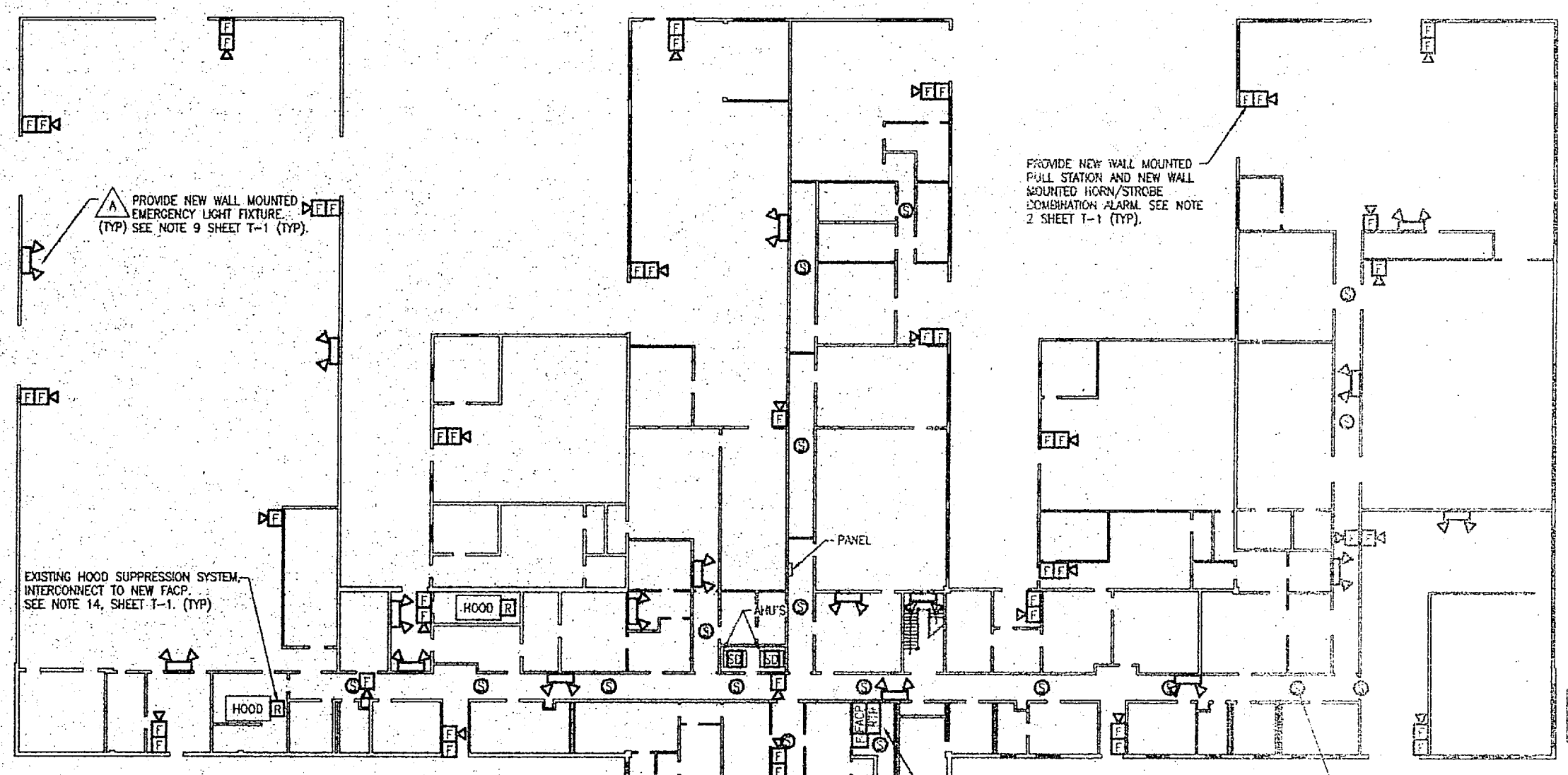


REVISIONS			
SYM	ZONE	DESCRIPTION	DATE



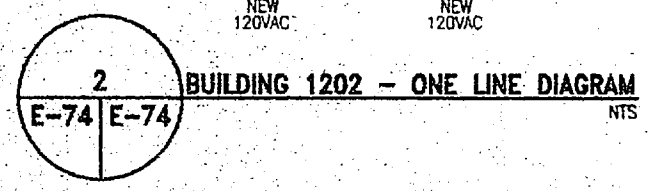
2ND FLOOR PLAN

- INSTALLATION NOTES:
1. MOUNT NEW CONVENTIONAL FIRE ALARM CONTROL PANEL (FACP) IN OFFICE LOCATION AS INDICATED.
  2. PROVIDE NEW 120 VAC POWER FROM EXISTING PANEL IN HALL BESIDE AHU ROOM. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER IN PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
  3. PROVIDE NEW FIRE ALARM DEVICES INCLUDING PULL STATIONS, AUDIBLE / VISUAL ALARMS. SURFACE MOUNT PULL STATIONS AT 54" ABOVE FINISHED FLOOR TO TOP OF BOX. MOUNT AUDIBLE / VISUAL ALARMS 1 FOOT BELOW EXISTING CEILING.
  4. MOUNT NEW RADIO TRANSMITTER PANEL (RTP) IN OFFICE LOCATION AS INDICATED. PROVIDE NEW 120 VAC CONTROL POWER FROM EXISTING PANEL. PROVIDE NEW 20A 1 POLE CIRCUIT BREAKER. PROVIDE BREAKER LOCK-ON DEVICE. SECURE ANTENNA TO ROOF WITH MOUNTING BRACKET. ROUTE COAXIAL CABLE TO RTP IN CONDUIT.
  5. PROVIDE RELAY IN EXISTING FIRE SUPPRESSION CONTROL PANEL, AND ROUTE WIRING BACK TO FACP LOCATION.
  6. MOUNT NEW EMERGENCY LIGHTING FIXTURE TO NEW LOCATIONS. INTERCONNECT CIRCUIT TO LINE SIDE OF LOCAL SWITCH. INTERCONNECT ABOVE SUSPENDED CEILING.
  7. UTILIZE SUSPENDED CEILING AREA TO ROUTE EMT CONDUIT FROM NEW FACP TO NEW DEVICE LOCATIONS. TRANSITION TO SURFACE METAL RACEWAY AND ROUTE EXPOSED RACEWAY DOWN WALL TO DEVICE LOCATION. PROVIDE BACK BOXES FOR DEVICES AND INTERCONNECT TO RACEWAY. PAINT RACEWAY TO MATCH EXISTING WALL FINISH. (UNLESS OTHERWISE NOTED)



CONDUIT AND CABLE SCHEDULE

1.	(2) #14 AWG CU THIN/THIN UNGROUNDED CONDUCTORS. (1) #14 AWG CU THIN/THIN GROUNDED CONDUCTOR 3/4" CONDUIT
2.	(1) #12 AWG CU THIN/THIN UNGROUNDED CONDUCTOR. (1) #12 AWG CU THIN/THIN NEUTRAL CONDUCTOR. (1) #12 AWG CU THIN/THIN GROUNDED CONDUCTOR. 3/4" CONDUIT
3.	(8) #14 AWG CU THIN/THIN UNGROUNDED CONDUCTORS. (1) #14 AWG CU THIN/THIN GROUNDED CONDUCTORS. (2) #14 AWG CU THIN/THIN SPARE CONDUCTORS. 1" CONDUIT
4.	RG-8U COAXIAL CABLE 3/4" CONDUIT



PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO ALL FACP, TRANSMITTER, AND EXIT LIGHT CIRCUITS.

PROVIDE TWO SPARE ZONES FOR FUTURE EXPANSION.

PROVIDE NEW END OF LINE RESISTORS ON ALL FACP CIRCUITS.

90% SUBMITTAL  
DO NOT USE FOR  
CONSTRUCTION

GRAPHIC SCALE - 1/16" = 1'-0"  
5' 0" 5' 10"

DESIGNED BY: DISBLE & PLEDGER, P.A.

FACILITY ENGINEERING DEPT DWG NO.	DEPT OF NAVY NAVAL FACILITIES ENGINEERING COMMAND
DR: LMD	NAVAL CORPS BASE CAMP LESLIE, NC
CHK: LMD	INSTALL FIRE ALARM SYSTEM, VARIOUS LOCATIONS BUILDING 1202
SUPV: LMD	PROJECT NO. N62470-95-B-1492
IN CH: LMD	NAVYAC DRAWING NO.
APPROVED: FED OR OIG'S DATE	SCALE: 1" = 100'
SATISFACTORY TO: DATE	SHEET 70 OF 70

