

ELECTRICAL SYMBOL LEGEND

	LIGHTING FIXTURES (SEE LIGHTING FIXTURE SCHEDULE) (ALPHANUMERIC DENOTES TYPE, NUMBER DENOTES CIRCUIT)		FIRE ALARM MANUAL PULL STATION, SEMI-FLUSH MOUNT IN WALL AT 48" AFF T.O.B.
	LIGHTING FIXTURES WITH EMERGENCY BATTERY PACK BACKUP OR GENERATOR BACKED CIRCUIT POWER		FIRE ALARM VISIBLE-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN CEILING (NUMBER INDICATES MINIMUM CANDELA RATING)
	EXIT SIGN, SINGLE OR DOUBLE FACED, CEILING OR WALL MOUNTED		FIRE ALARM VISIBLE-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN WALL AT 80" AFF (NUMBER INDICATES MINIMUM CANDELA RATING)
	SINGLE POLE SWITCH, FLUSH MOUNTED IN WALL AT 48" AFF T.O.B. (LETTER DENOTES SWITCHLEG)		FIRE ALARM SPEAKER/STROBE INDICATING DEVICE, SEMI-FLUSH MOUNTED IN CEILING (NUMBER INDICATES MINIMUM CANDELA RATING)
	THREE WAY SWITCH FLUSH MOUNTED IN WALL AT 48" AFF T.O.B.		FIRE ALARM SPEAKER/STROBE INDICATING DEVICE, SEMI-FLUSH MOUNTED IN WALL AT 80" AFF (WP = WEATHERPROOF RATED; NUMBER INDICATES MINIMUM CANDELA RATING)
	MULTI-LEVEL SWITCHING CONFIGURATION, FLUSH MOUNTED IN WALL AT 48" AFF T.O.B. (ONE SWITCH CONTROLS ALL INBOARD LAMPS; OTHER SWITCH CONTROLS ALL OUTBOARD LAMPS).		FIRE ALARM SPEAKER-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN CEILING
	FLUORESCENT DIMMER SWITCH (LUTRON TYPE NOVA-T OR APPROVED EQUAL), FLUSH MOUNTED IN WALL AT 48" AFF T.O.B.		FIRE ALARM HORN-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN WALL AT 80" AFF
	DUAL-TECHNOLOGY OCCUPANCY SENSOR (WATTSTOPPER # DT-200/BZ-50 OR APPROVED EQUAL), CEILING OR WALL MOUNTED CLOSE TO CEILING.		PHOTOELECTRIC SPOT-TYPE SMOKE DETECTOR. SEMI-FLUSH MOUNT DETECTOR IN CEILING.
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 18" AFF (NUMBER DENOTES CIRCUIT)		PHOTOELECTRIC SPOT-TYPE SMOKE DETECTOR. SEMI-FLUSH MOUNT DETECTOR IN CEILING WITH SOUNDER BASE.
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 42" AFF OR 6" ABOVE COUNTER BACKSPLASH (GFI = GROUND FAULT INTERRUPTER; WP = WEATHERPROOF METALLIC "IN-USE" TYPE COVER)		PHOTOELECTRIC SPOT-TYPE SMOKE DETECTOR. WALL MOUNTED IN ELEVATOR PIT.
	20 AMP DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.		135 DEGREE SPOT-TYPE HEAT DETECTOR, FIXED TEMPERATURE. SEMI-FLUSH MOUNT DETECTOR IN CEILING.
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING		135 DEGREE SPOT-TYPE HEAT DETECTOR, FIXED TEMPERATURE, WALL MOUNTED IN ELEVATOR PIT.
	VOICE/DATA OUTLET, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO SPACE ABOVE DROP CEILING. TURN A 90 DEGREE BEND IN RACEWAY ABOVE DROP CEILING AND TURN TOWARD MAIN COMMUNICATION ROOM. PROVIDE A PLASTIC BUSHING ON BOTH ENDS OF RACEWAY.		DUCT TYPE SMOKE DETECTOR.
	VOICE/DATA OUTLET, FLUSH MOUNTED IN WALL AT 42" AFF OR 6" ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO SPACE ABOVE DROP CEILING. TURN A 90 DEGREE BEND IN RACEWAY ABOVE DROP CEILING AND TURN TOWARD MAIN COMMUNICATION ROOM. PROVIDE A PLASTIC BUSHING ON BOTH ENDS OF RACEWAY.		DUCT DETECTOR TEST STATION, WALL MOUNTED 54" AFF.
	VOICE/DATA OUTLET, FLUSH MOUNTED IN CEILING OR ABOVE CEILING. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO SPACE ABOVE DROP CEILING. TURN A 90 DEGREE BEND IN RACEWAY ABOVE DROP CEILING AND TURN TOWARD MAIN COMMUNICATION ROOM. PROVIDE A PLASTIC BUSHING ON BOTH ENDS OF RACEWAY.		SPRINKLER SYSTEM FLOW SWITCH.
	FLOOR BOX, MULTI-SERVICE, FLUSH MOUNTED IN FLOOR (STEEL CITY# AFM-6 OR APPROVED EQUAL) PROVIDE ONE 20 AMP DUPLEX RECEPTACLE IN BOX. PROVIDE TWO SEPARATE CONDUITS (ONE POWER AND ONE VOICE/DATA) TO BOX.		SPRINKLER VALVE TAMPER SWITCH.
	JUNCTION BOX, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE (FUNCTION AS INDICATED ON PLAN)		SPRINKLER SYSTEM PRESSURE SWITCH.
	JUNCTION BOX, FLUSH MOUNTED IN CEILING OR MOUNTED ABOVE CEILING (FUNCTION AS INDICATED ON PLAN) ("V/D" DENOTES VOICE/DATA) ("CCTV" DENOTES CLOSE CIRCUIT SECURITY CAMERA)		ADDRESSABLE INTERFACE UNIT, CONTROL OR MONITOR TYPE AS APPLICABLE, MOUNT IN NEMA 1 ENCLOSURE.
	JUNCTION BOX, FLUSH MOUNTED IN FLOOR (FUNCTION AS INDICATED ON PLAN)		POST-INDICATING VALVE.
	ELECTRICAL PANELBOARDS, SURFACE AND FLUSH MOUNTED RESPECTIVELY		CONTROL PANELS (SYSTEM AS INDICATED), SURFACE AND FLUSH MOUNTED RESPECTIVELY.
	ELECTRICAL SAFETY DISCONNECT SWITCH. PROVIDE SWITCH WITH RATINGS WITH RATINGS AS INDICATED IN THE DISCONNECT SWITCH SCHEDULE SHOWN ON THIS SHEET. SURFACE MOUNT SWITCH ON WALL AT LOCATION WHERE SWITCH HAS PROPER CLEARANCE IN ACCORDANCE WITH NEC.		CATV OUTLET, FLUSH MOUNTED IN CEILING UNLESS NOTED OTHERWISE.
	CONDUCTOR/CONDUIT NOTATION (SEE SCHEDULE ON THIS SHEET)		CATV OUTLET, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.
	ELECTRICAL CONNECTION TO A MOTOR OR TO MOTOR-DRIVEN EQUIPMENT		FIRE SMOKE DAMPER
	MOTOR RATED SNAP SWITCH IN NEMA 1 ENCLOSURE		
	CONTROL STATION (FUNCTION AS INDICATED ON PLAN), FLUSH MOUNT IN WALL AT 48" AFF T.O.B.		

MOUNTING HEIGHTS INDICATED IN THIS LEGEND SHALL BE TO CENTERLINE OF DEVICE BOX. ALL SWITCHES AND PULL STATIONS SHALL BE INSTALLED TO BE 48" AFF TO TOP OF BOX. UNLESS NOTED OTHERWISE.
 "E" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO REMAIN.
 "R" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO BE REMOVED BY THIS CONTRACTOR.
 "RR" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO BE REMOVED DURING DEMOLITION PHASE AND RE-INSTALLED DURING RENOVATION PHASE.

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS (PHILIPS OR EQUAL)
	AE	WALL MOUNTED 4' FLUORESCENT FIXTURE IN CORRIDOR WITH BATTERY PACK.	KENALL	MLH45 48 R MW PP 232 IS 1 120 PEL PH CMB	POLYCARBONATE LENS	WALL	120	2 - F32T8/TL741/ALTO
	B	SURFACE MOUNTED FLUOR. LIVING SPACE FIXTURE	PROGRESS	P3829-77	GLASS SHADE	CEILING	120	2 - EL/A SWP 14W
	C	SURFACE MOUNTED FLUOR. SHOWER FIXTURE	DAYBRITE	R5 R136	OPAL LENS	RECESSED	120	1 - EL/A SWP 14W
	D	WALL MOUNTED FLUORESCENT VANITY FIXTURE	PROGRESS	P2781-09	GLASS SHADES	WALL	120	3 - EL/A SWP 14W
	F	2'X4' FLUORESCENT FIXTURE MOUNTED IN GRID CEILING	DAY-BRITE	2PFG 332 PMW UNV EB	PERFORATED SHIELD	GRID	120	3 - F32T8/TL741/ALTO
	FA	2'X4' LENSED FLUORESCENT FIXTURE, MOUNTED IN GRID CEILING	DAY-BRITE	2SPG 232-FS 12-120-1/2EB	.125 ACRYLIC LENS	GRID	120	2 - F32T8/TL741/ALTO
	G	SURFACE MOUNTED FLUOR. SHALLOW CYLINDER	OMEGA	OM6 2H26QPL CS UNV	NONE	CEILING	120	2 - PL-C 26W/41/4P/ALTO
	GA	SAME AS FIXTURE TYPE "G" EXCEPT WITH DIMMING BALLAST	OMEGA	OM6 2H26QPL CS DX1 UNV	NONE	CEILING	120	2 - PL-C 26W/41/4P/ALTO
	GE	SAME AS FIXTURE TYPE "G" EXCEPT WITH EMERGENCY POWER SEE NOTE BELOW	OMEGA	OM6 2H26QPL CS (IE) UNV	NONE	CEILING	120	2 - PL-C 26W/41/4P/ALTO
	H	2'X2' FLUORESCENT FIXTURE MOUNTED IN GRID CEILING	DAY-BRITE	2PFG 317 PMW UNV EB	ACRYLIC LENS	GRID	120	3 - F17T8/TL741/ALTO
	JE	DECORATIVE WALL LANTERN WITH BATTERY PACK & PE CELL	STERNBERG	4130C WA 480D 42PLT BK PEC1 EBP	ACRYLIC LENS	WALL	120	1 - PL-C 42W/41/4P/ALTO
	X	EXIT SIGN, DIE CAST ALUMINUM HOUSING, CEILING/WALL MOUNT	MCPHILBEN	ER 55L 1(2) 12/27 R	NONE	CEILING OR WALL	120	L.E.D. (INCLUDED)

NOTE: PROVIDE FIXTURES LISTED ABOVE OR EQUAL. LAMP DESCRIPTIONS ARE PHILLIPS CATALOG NUMBERS - PROVIDE AS LISTED OR EQUAL.

DISCONNECT SWITCH SCHEDULE

ID#	AMPS	POLES	VOLTAGE	NEMA ENCLOSURE
1	30	2	208V	1
2	30	2	208V	3R
3	30	3	208V	1
4	30	3	208V	3R
5	60	3	208V	1
6	60	3	208V	3R
7	100	3	208V	1
8	100	3	208V	3R
9	200	3	208V	1
10	200	3	208V	3R

ALL SWITCHES SHALL BE GENERAL DUTY TYPE, FUSIBLE UNLESS NOTED WITH "NF" (NON-FUSIBLE)
 DENOTES DISCONNECT SWITCH INTEGRAL WITH MECHANICAL ENCLOSURE.

WIRE/CONDUIT SCHEDULE

ID#	WIRE	CONDUIT
1	2#12, 1#12 GND.	3/4"
2	3#12, 1#12 GND.	3/4"
3	4#12, 1#12 GND.	3/4"
4	2#10, 1#10 GND.	3/4"
5	3#10, 1#10 GND.	3/4"
6	4#10, 1#10 GND.	3/4"
7	2#8, 1#10 GND.	3/4"
8	3#8, 1#10 GND.	1"
9	4#8, 1#10 GND.	1"
10	3#6, 1#8 GND.	1"
11	4#6, 1#8 GND.	1-1/4"
12	3#4, 1#8 GND.	1-1/4"
13	4#4, 1#8 GND.	1-1/4"
14	3#3, 1#8 GND.	1-1/4"
15	4#3, 1#8 GND.	1-1/2"
16	3#2, 1#6 GND.	1-1/2"
17	4#2, 1#6 GND.	1-1/2"
18	3#1, 1#6 GND.	1-1/2"
19	4#1, 1#6 GND.	2"
20	3 #1/0, 1#6 GND.	2"
21	4 #1/0, 1#6 GND.	2"
22	3 #2/0, 1#6 GND.	2"
23	4 #2/0, 1#6 GND.	2"
24	3 #3/0, 1#6 GND.	2"
25	4 #3/0, 1#6 GND.	2-1/2"
26	3 #4/0, 1#4 GND.	2-1/2"
27	4 #4/0, 1#4 GND.	2-1/2"
28	3-250KCMIL, 1#4 GND.	2-1/2"
29	4-250KCMIL, 1#4 GND.	3"
30	3-350KCMIL, 1#3 GND.	3"
31	4-350KCMIL, 1#3 GND.	3"
32	3-500KCMIL, 1#3 GND.	3"
33	4-500KCMIL, 1#3 GND.	4"
34	3-600KCMIL, 1#2 GND.	3-1/2"
35	4-600KCMIL, 1#2 GND.	4"
36	3-750KCMIL, 1#2 GND.	4"
37	4-750KCMIL, 1#2 GND.	5"

ALL OTHER CIRCUITS SHALL BE 2#12, 1#12 GND., 3/4", UNLESS NOTED.

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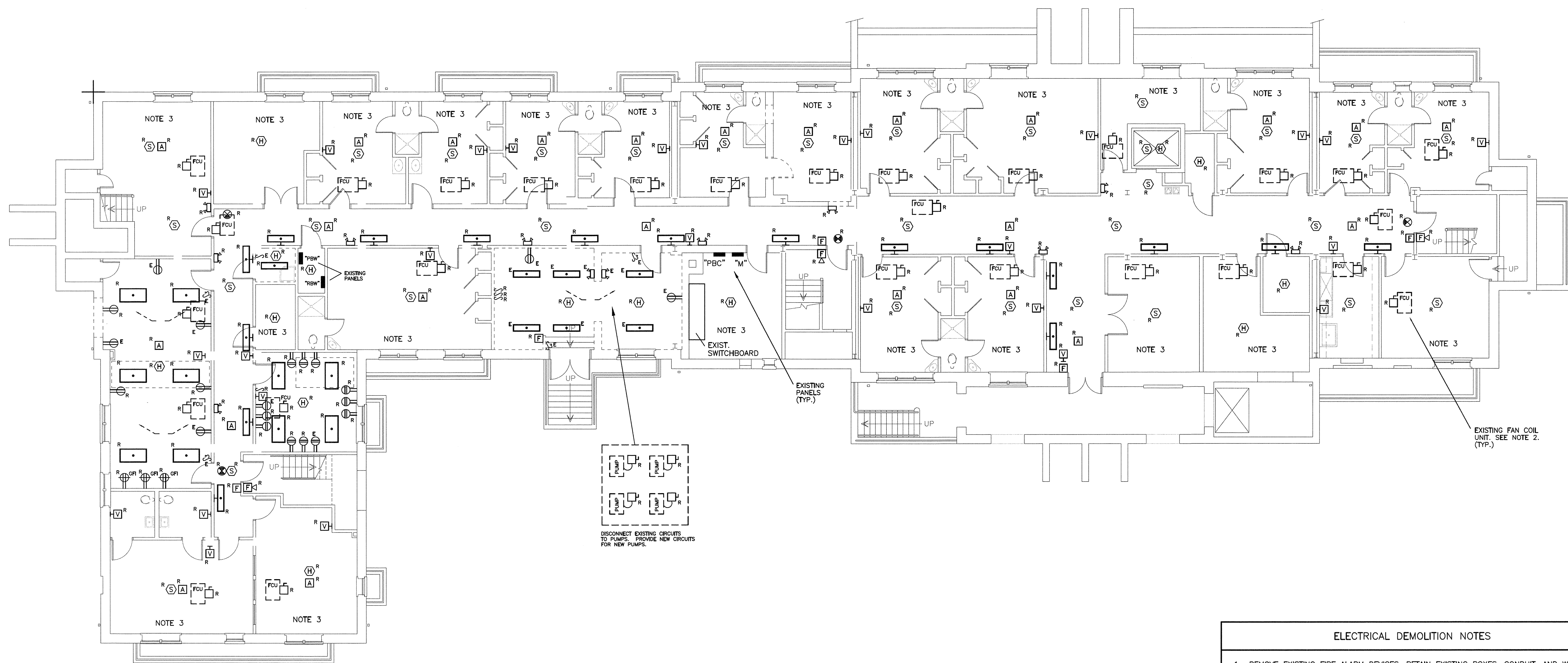
THE UNIVERSITY OF SOUTH CAROLINA
 MAXCY COLLEGE RENOVATIONS
 COLUMBIA, SOUTH CAROLINA

Project Title
ELECTRICAL SYMBOL LEGEND & SCHEDULES

Project Number
961

Sheet
E0.1

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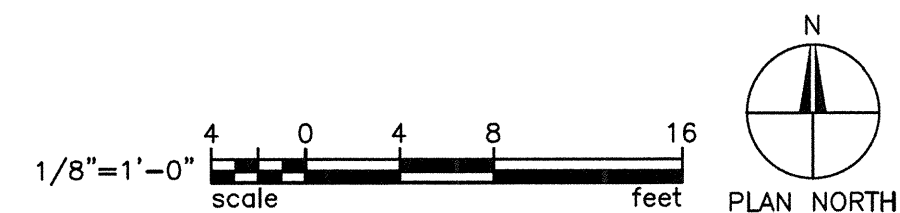


1 GROUND LEVEL ELECTRICAL DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

- ELECTRICAL DEMOLITION NOTES**
1. REMOVE EXISTING FIRE ALARM DEVICES. RETAIN EXISTING BOXES, CONDUIT, AND WIRING FOR CONNECTION TO NEW DEVICES IN RENOVATION PHASE.
 2. DISCONNECT EXISTING FAN COIL UNITS. RE-CONNECT TO NEW REPLACEMENT FAN COIL UNITS. REUSE EXISTING CIRCUITS. COORDINATE WITH MECHANICAL CONTRACTOR.
 3. EXISTING LIGHTING SHALL REMAIN IN THIS SPACE.

DEMOLITION LEGEND

"E" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO REMAIN.
 "R" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO BE REMOVED BY THIS CONTRACTOR.
 "RR" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO BE REMOVED DURING DEMOLITION PHASE AND RE-INSTALLED DURING RENOVATION PHASE.



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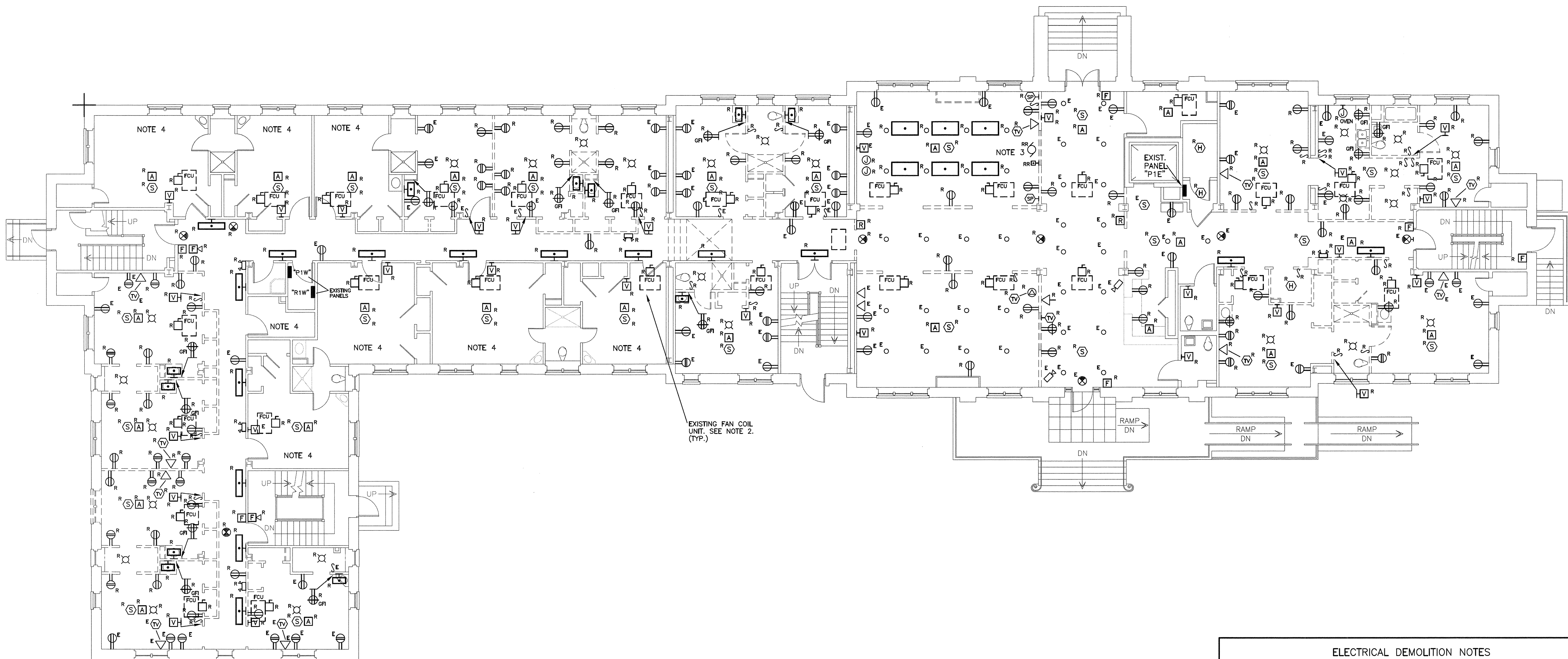
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Project: THE UNIVERSITY OF SOUTH CAROLINA
 MAXCY COLLEGE RENOVATIONS
 COLUMBIA, SOUTH CAROLINA

Sheet Title: GROUND LEVEL ELECTRICAL DEMOLITION PLAN

Project Number	961
Sheet	E1.0

JH21101



1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN

E1.1 SCALE: 1/8" = 1'-0"

- ### ELECTRICAL DEMOLITION NOTES
1. REMOVE EXISTING FIRE ALARM DEVICES. RETAIN EXISTING BOXES, CONDUIT, AND WIRING FOR CONNECTION TO NEW DEVICES IN RENOVATION PHASE.
 2. DISCONNECT EXISTING FAN COIL UNITS. RE-CONNECT TO NEW REPLACEMENT FAN COIL UNITS. REUSE EXISTING CIRCUITS. COORDINATE WITH MECHANICAL CONTRACTOR.
 3. EXISTING PROJECTOR SCREEN AND PROJECTOR SCREEN CONTROLS SHALL BE REMOVED AND REINSTALLED ON OPPOSITE WALL OF CLASSROOM. SEE SHEET E2.1.
 4. EXISTING LIGHTING SHALL REMAIN IN THIS SPACE.

DEMOLITION LEGEND

"E" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO REMAIN.
"R" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO BE REMOVED BY THIS CONTRACTOR.
"RR" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO BE REMOVED DURING DEMOLITION PHASE AND RE-INSTALLED DURING RENOVATION PHASE.

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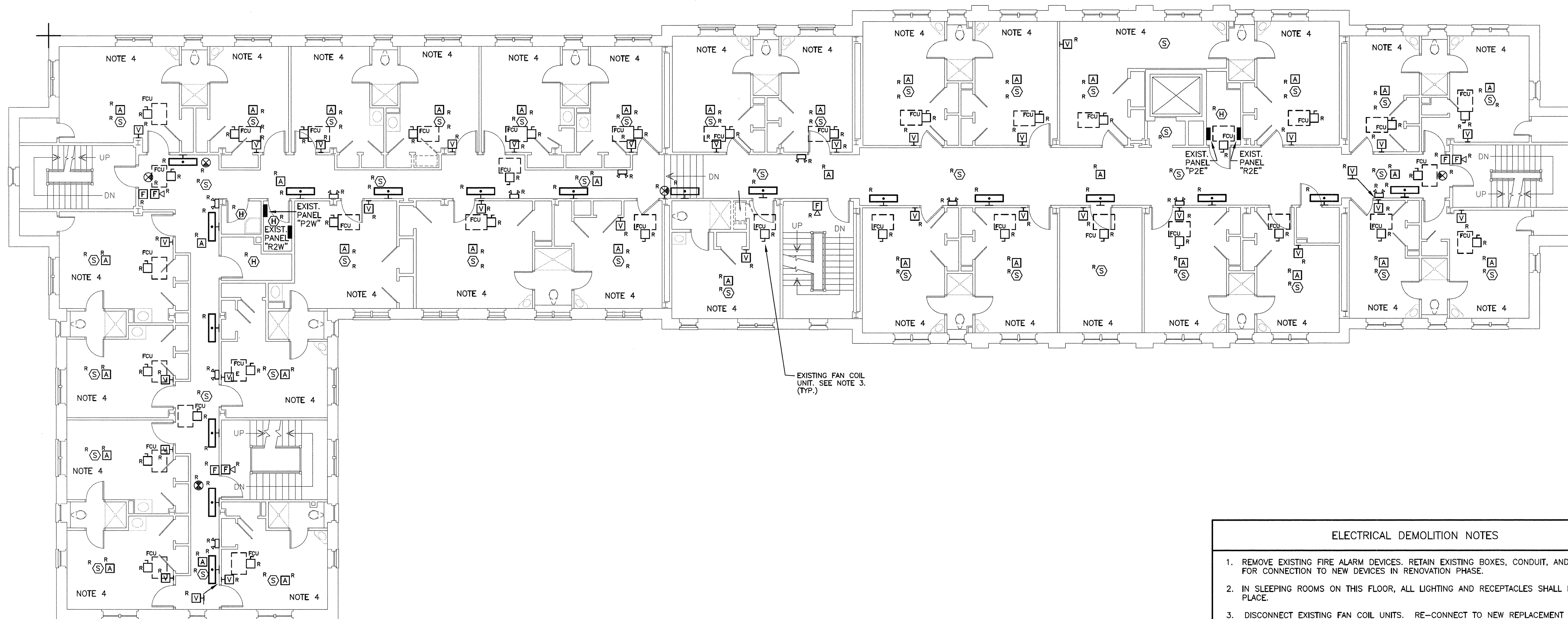
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COLUMBIA, SOUTH CAROLINA

Sheet Title
FIRST FLOOR ELECTRICAL DEMOLITION PLAN

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Sheet	E1.1



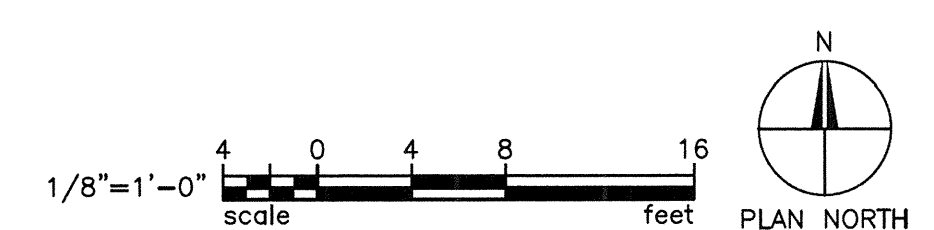
EXISTING FAN COIL UNIT. SEE NOTE 3. (TYP.)

1 SECOND FLOOR ELECTRICAL DEMOLITION PLAN
 E1.2 SCALE: 1/8" = 1'-0"

- ELECTRICAL DEMOLITION NOTES
1. REMOVE EXISTING FIRE ALARM DEVICES. RETAIN EXISTING BOXES, CONDUIT, AND WIRING FOR CONNECTION TO NEW DEVICES IN RENOVATION PHASE.
 2. IN SLEEPING ROOMS ON THIS FLOOR, ALL LIGHTING AND RECEPTACLES SHALL REMAIN IN PLACE.
 3. DISCONNECT EXISTING FAN COIL UNITS. RE-CONNECT TO NEW REPLACEMENT FAN COIL UNITS. REUSE EXISTING CIRCUITS. COORDINATE WITH MECHANICAL CONTRACTOR.
 4. EXISTING LIGHTING SHALL REMAIN IN THIS SPACE.

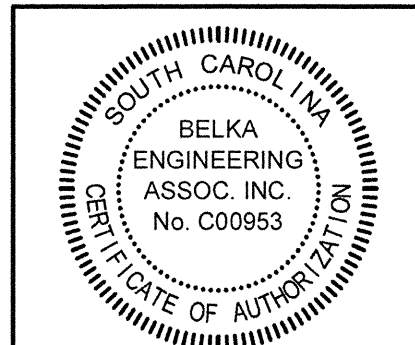
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 "R" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO BE REMOVED BY THIS CONTRACTOR.
 "RR" NEXT TO A DEVICE DENOTES EXISTING DEVICE TO BE REMOVED DURING DEMOLITION PHASE AND RE-INSTALLED DURING RENOVATION PHASE.

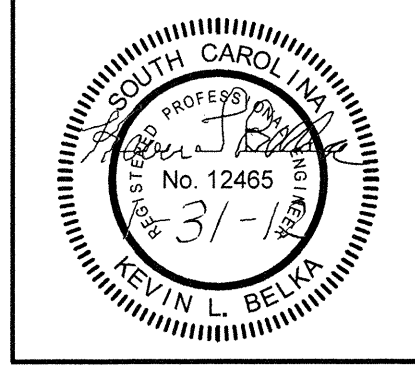


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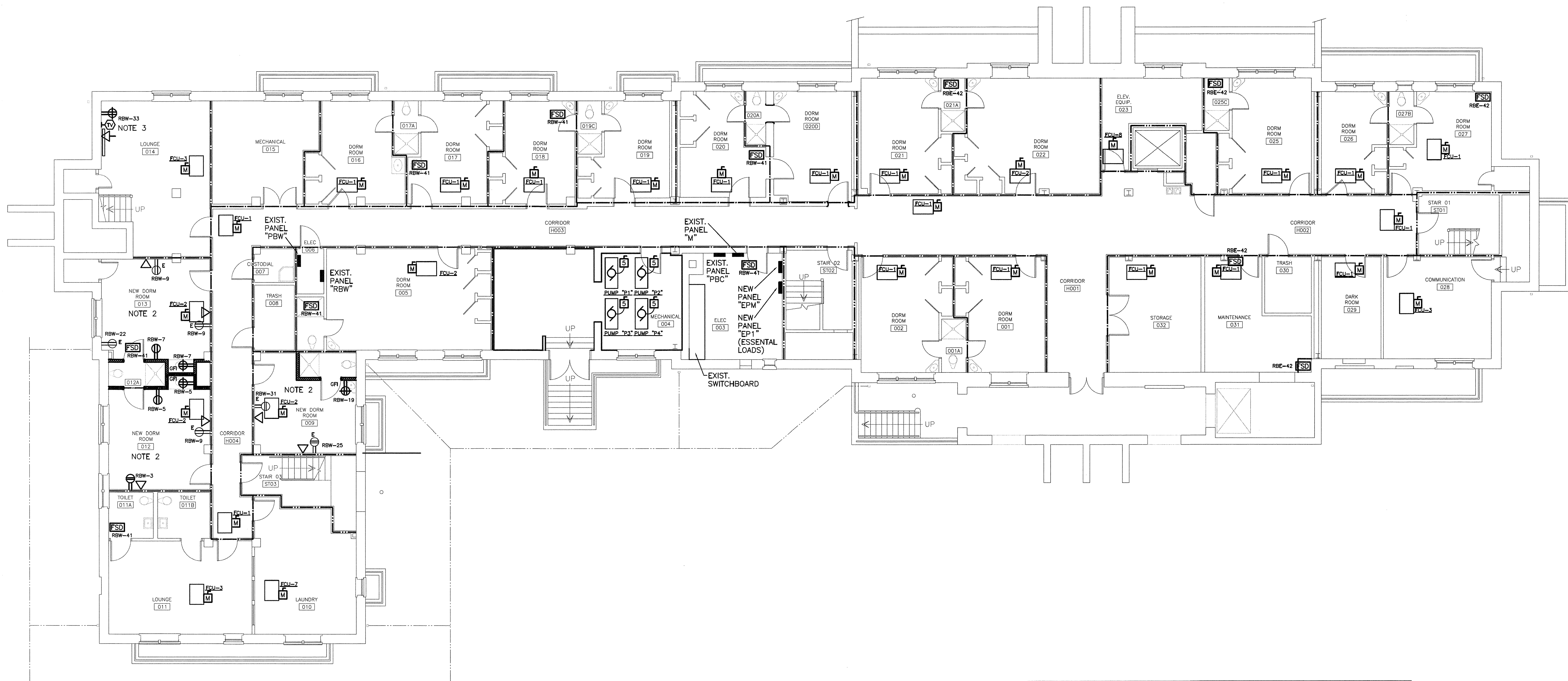


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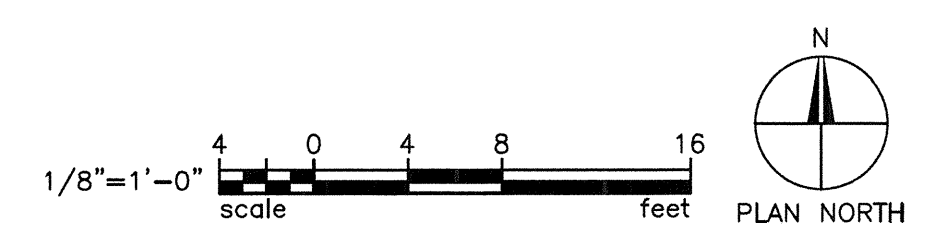
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 Sheet E1.2



GROUND LEVEL POWER RENOVATION PLAN
 SCALE: 1/8" = 1'-0"

- POWER NOTES**
1. RECONNECT EXISTING CIRCUITS TO NEW FAN COIL UNITS. COORDINATE CONNECTION AND LOCATION WITH MECHANICAL CONTRACTOR.
 2. USE EXISTING CIRCUITS IN DORM ROOMS TO CIRCUIT NEW RECEPTACLES. NUMBERS ARE FROM AS-BUILT DRAWINGS. FIELD VERIFY ACTUAL CIRCUITS.
 3. COORDINATE MOUNTING HEIGHT OF TV OUTLET, RECEPTACLE AND DATA OUTLET FOR WALL MOUNTED TV WITH ARCHITECT BEFORE ROUGH-IN. PROVIDE TV MOUNT BOX (CHIEF# PAC516 OR EQUAL)

- FIRE WALL RATING LEGEND**
- 1 HR. FIRE RATED SEPERATION
 - 2 HR. FIRE RATED SEPERATION
- EXISTING FLOOR CEILING ASSEMBLY IS 1 HOUR
- NOTE: ELECTRICAL CONTRACTOR TO FIRESTOP ALL OPENINGS IN FIRE RATED WALLS IN ACCORDANCE WITH IBC 2009.



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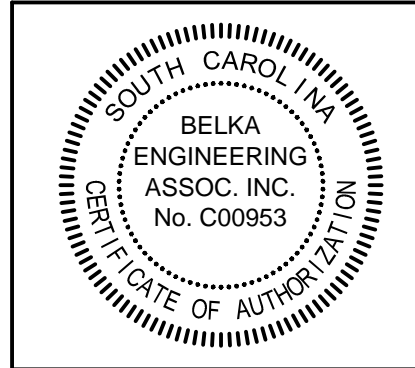
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Project: THE UNIVERSITY OF SOUTH CAROLINA
 MAXCY COLLEGE RENOVATIONS
 COLUMBIA, SOUTH CAROLINA

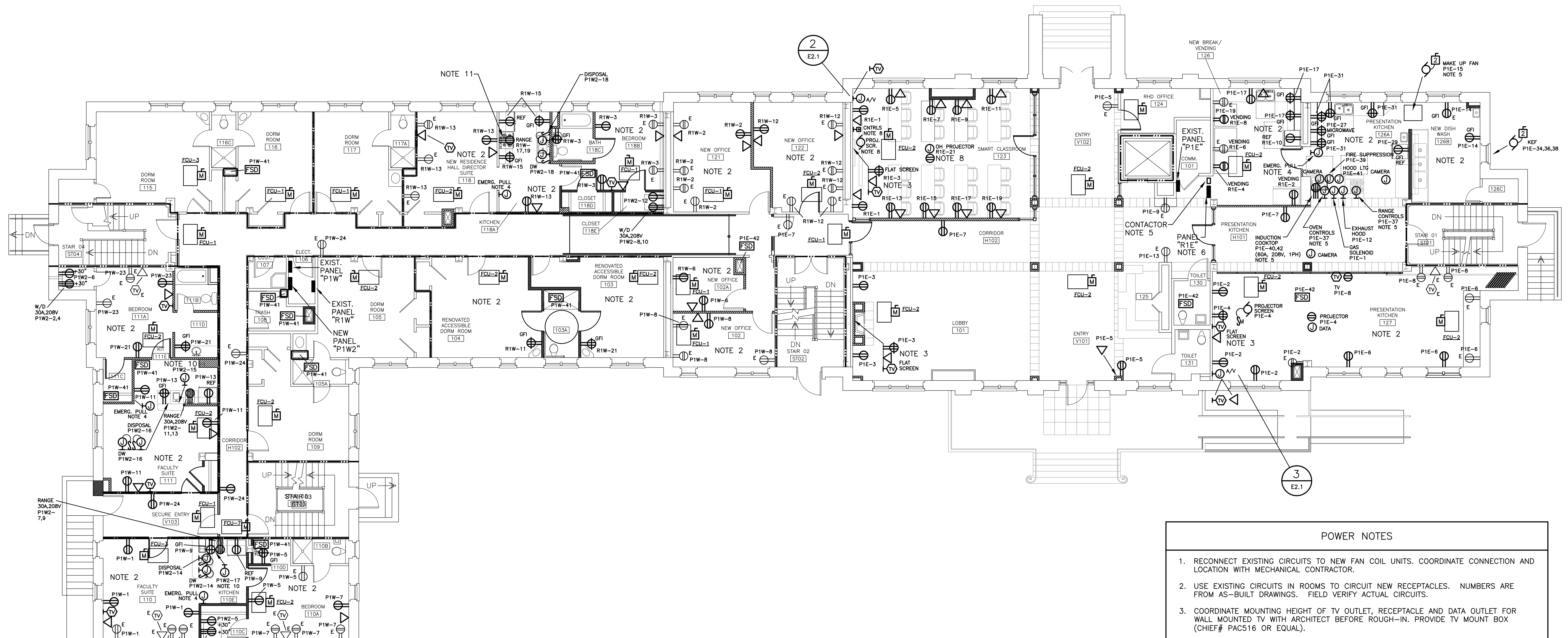
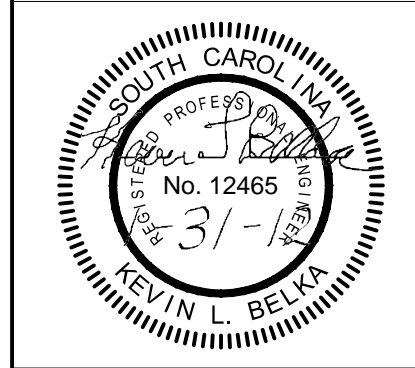
Sheet Title: GROUND LEVEL POWER RENOVATION PLAN

Project Number	961
Sheet	E2.0

JH21101

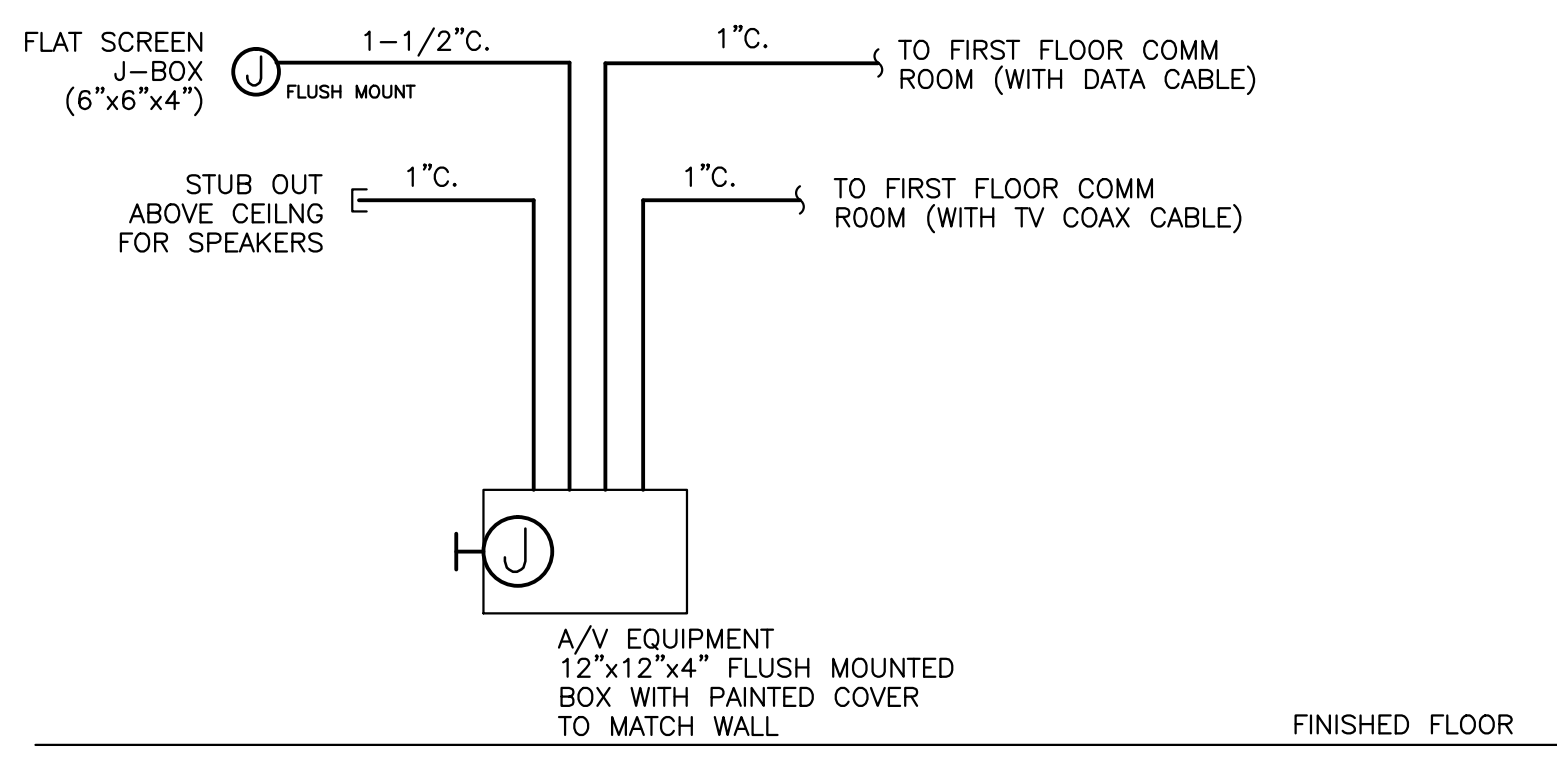


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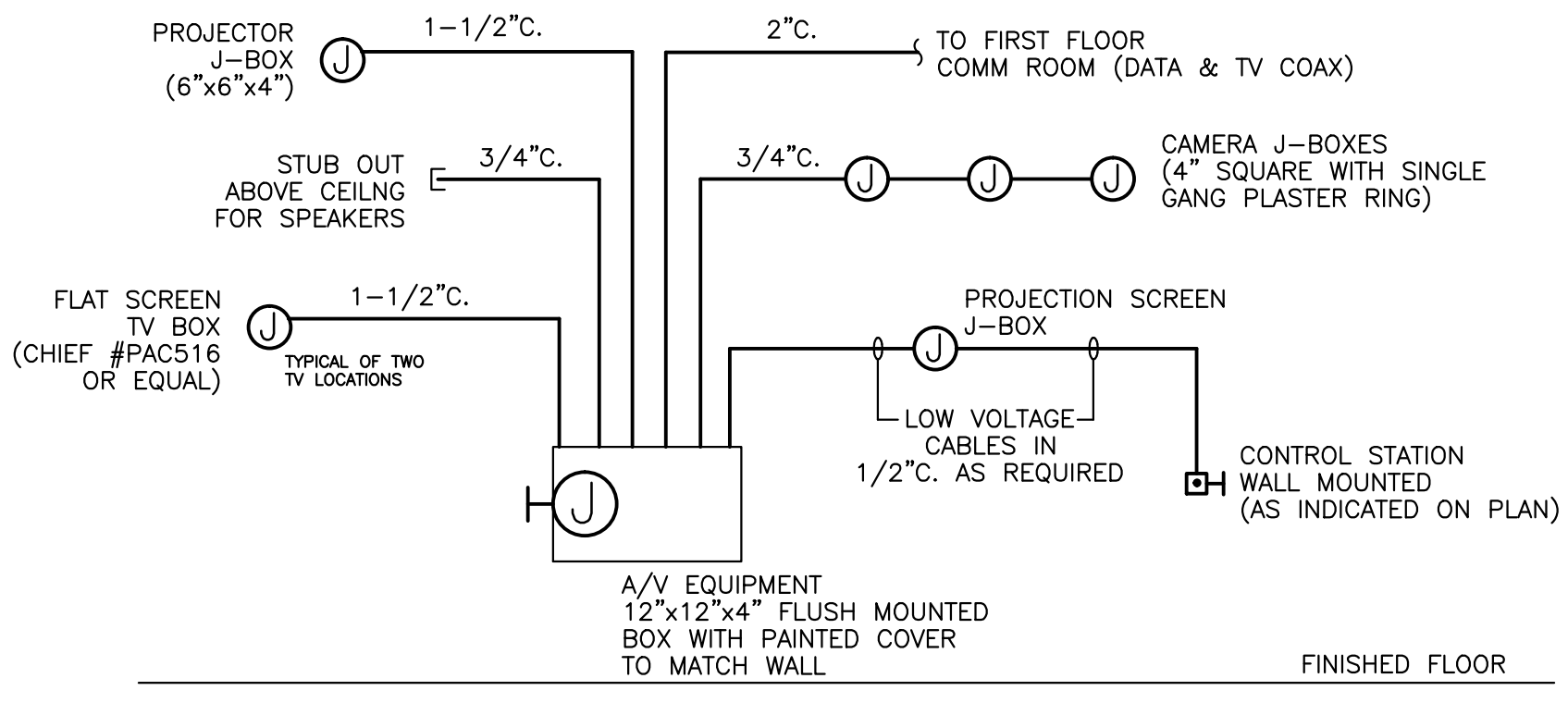


1 FIRST FLOOR POWER RENOVATION PLAN
 SCALE: 1/8" = 1'-0"

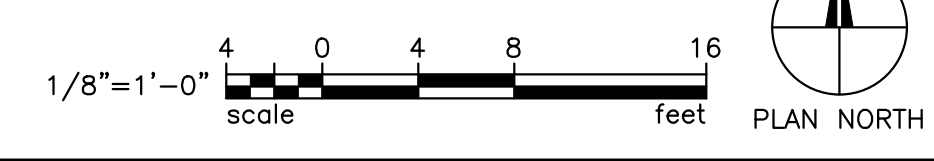
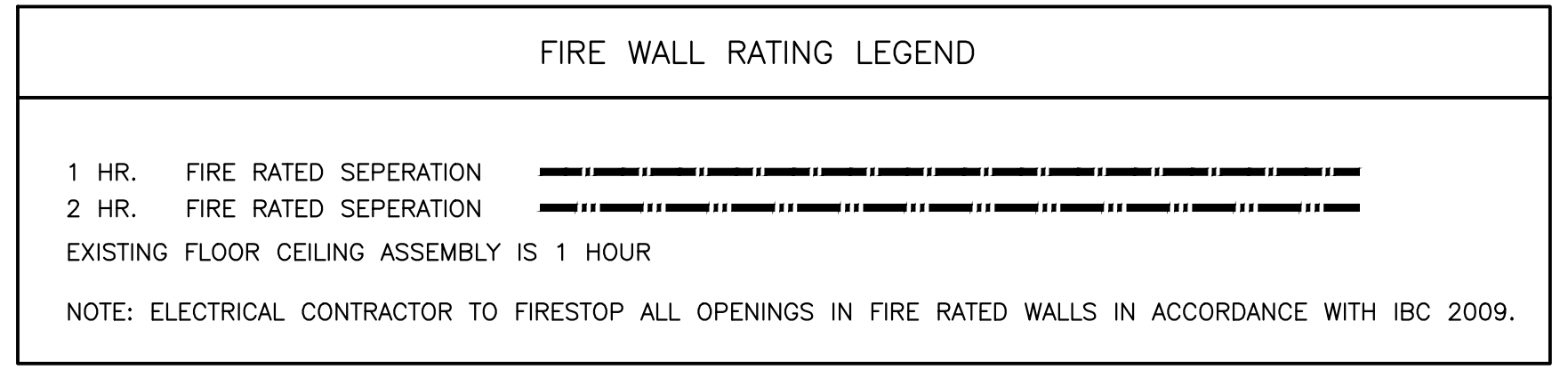
- ### POWER NOTES
1. RECONNECT EXISTING CIRCUITS TO NEW FAN COIL UNITS. COORDINATE CONNECTION AND LOCATION WITH MECHANICAL CONTRACTOR.
 2. USE EXISTING CIRCUITS IN ROOMS TO CIRCUIT NEW RECEPTACLES. NUMBERS ARE FROM AS-BUILT DRAWINGS. FIELD VERIFY ACTUAL CIRCUITS.
 3. COORDINATE MOUNTING HEIGHT OF TV OUTLET, RECEPTACLE AND DATA OUTLET FOR WALL MOUNTED TV WITH ARCHITECT BEFORE ROUGH-IN. PROVIDE TV MOUNT BOX (CHIEF# PAC516 OR EQUAL).
 4. IN KITCHEN 103, EMERGENCY PULL STATION SHALL BE CONNECTED TO KITCHEN CONTRACTOR (NOTE 5) SO THAT WHEN PULLED POWER TO KITCHEN EQUIPMENT UNDER HOOD IS DISCONNECTED. IN KITCHENS 121A, 123A, AND 129A, EMERGENCY PULL STATION SHALL ACTIVATE SHUNT TRIP CIRCUIT BREAKER FEEDING RANGE. PROVIDE SHUNT TRIP BREAKERS AS REQUIRED.
 5. PROVIDE SHUNT TRIP BREAKERS FOR EQUIPMENT UNDER HOOD. SEE PANELBOARD SCHEDULE ON DRAWING E5.2.
 6. PROVIDE NEW 100 AMP 3-POLE BREAKER IN MAIN SWITCHBOARD FOR PANEL "R1E". FEED PANEL "R1E" WITH 4#3, 1#8 GROUND IN 1-1/2" CONDUIT.
 7. HOOD SHALL BE CONNECTED THROUGH ADDRESSABLE INTERFACE UNITS (SHOWN ON SHEET E4.1) TO THE FIRE ALARM SYSTEM.
 8. RELOCATED EXISTING PROJECTOR SCREEN AND PROJECTOR SCREEN CONTROLS. REUSE EXISTING CIRCUIT.
 9. PROVIDE NEW JUNCTION BOX FOR FUTURE OVERHEAD PROJECTOR. EXTEND EXISTING PROJECTOR SCREEN CIRCUIT FOR FUTURE PROJECTOR.
 10. PROVIDE 120V CIRCUIT FOR HOOD AND FIRE SUPPRESSION AT THIS LOCATION. COORDINATE ROUGH-IN WITH EQUIPMENT SUPPLIER.
 11. PROVIDE NEW 40 AMP BREAKER FOR NEW RANGE. CONNECT RANGE TO EXISTING PANEL "R1W" WITH 4#8, 1#10 GND. IN 3/4" CONDUIT.



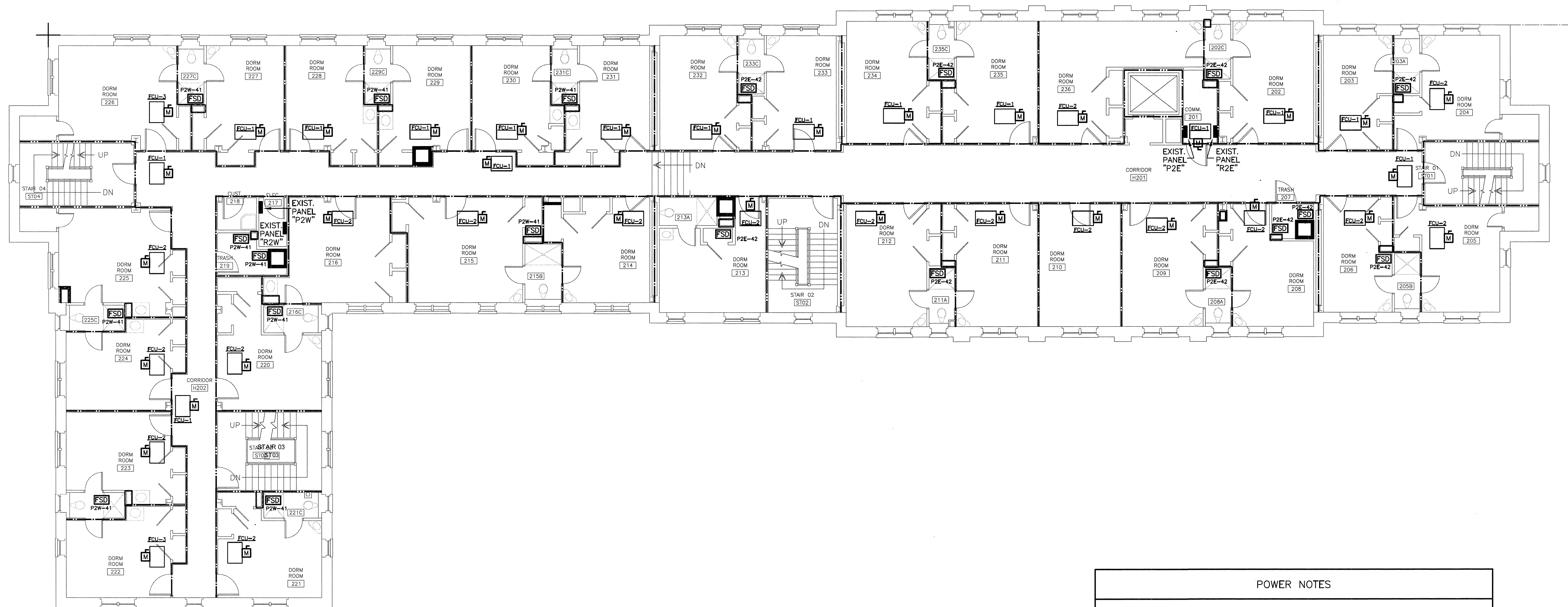
2 AUDIO/VISUAL BOX/CONDUIT DETAIL
 NOT TO SCALE



3 AUDIO/VISUAL BOX/CONDUIT DETAIL
 NOT TO SCALE



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1 SECOND FLOOR POWER RENOVATION PLAN
 SCALE: 1/8" = 1'-0"

POWER NOTES

1. RECONNECT EXISTING CIRCUITS TO NEW FAN COIL UNITS. COORDINATE CONNECTION AND LOCATION WITH MECHANICAL CONTRACTOR.

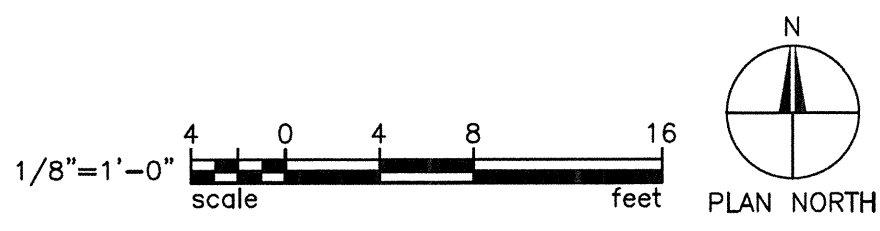
FIRE WALL RATING LEGEND

1 HR. FIRE RATED SEPERATION

2 HR. FIRE RATED SEPERATION

EXISTING FLOOR CEILING ASSEMBLY IS 1 HOUR

NOTE: ELECTRICAL CONTRACTOR TO FIRESTOP ALL OPENINGS IN FIRE RATED WALLS IN ACCORDANCE WITH IBC 2009.



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No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
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No. _____	Date _____
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 REGISTERED PROFESSIONAL ENGINEER
 STATE OF SOUTH CAROLINA

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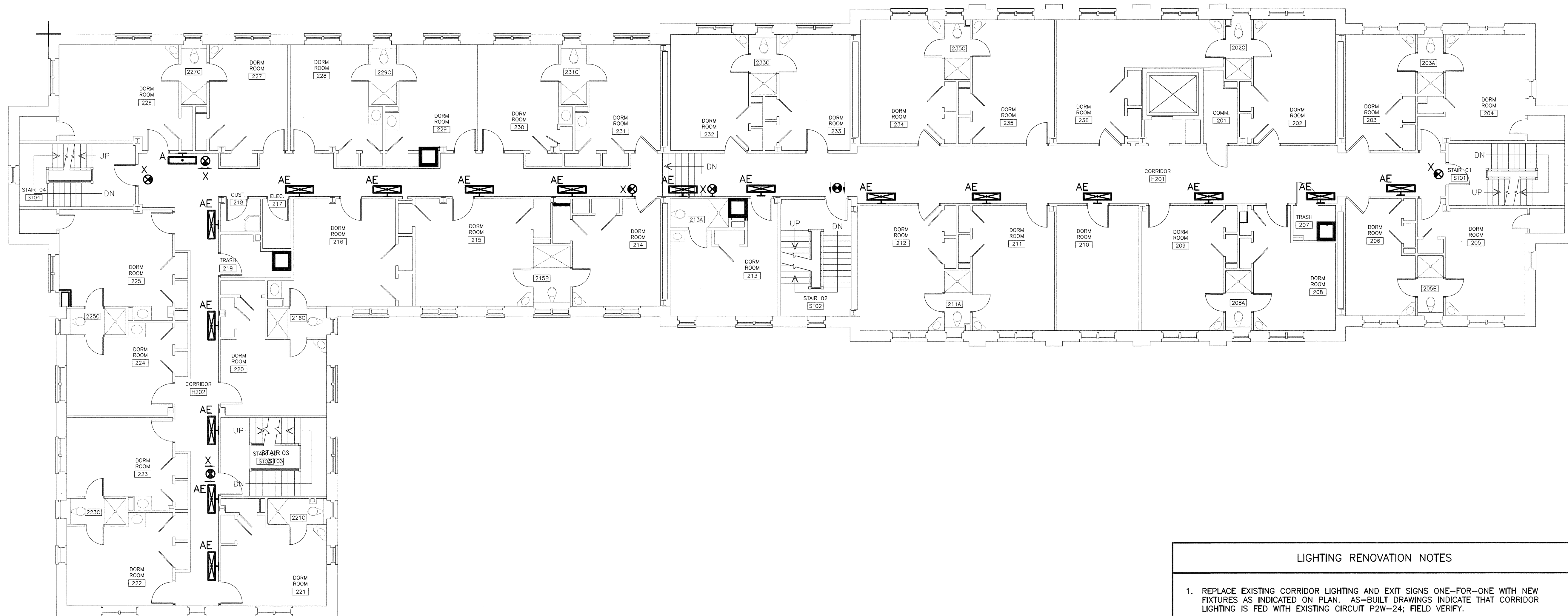
SOUTH CAROLINA
 PROFESSIONAL ENGINEER
 No. 12485
 3-1-11
 KEVIN L. BELKA

Project: THE UNIVERSITY OF SOUTH CAROLINA
 MAXCY COLLEGE RENOVATIONS
 COLUMBIA, SOUTH CAROLINA

Sheet Title: SECOND FLOOR POWER RENOVATION PLAN

Project Number
961
Sheet
E2.2

JH21101





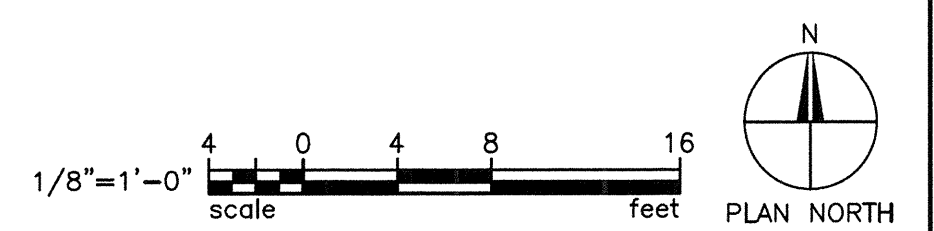
1 SECOND FLOOR LIGHTING RENOVATION PLAN
 E3.2 SCALE: 1/8" = 1'-0"

LIGHTING RENOVATION NOTES

1. REPLACE EXISTING CORRIDOR LIGHTING AND EXIT SIGNS ONE-FOR-ONE WITH NEW FIXTURES AS INDICATED ON PLAN. AS-BUILT DRAWINGS INDICATE THAT CORRIDOR LIGHTING IS FED WITH EXISTING CIRCUIT P2W-24; FIELD VERIFY.

FIRE WALL RATING LEGEND

1 HR. FIRE RATED SEPERATION 
 2 HR. FIRE RATED SEPERATION 
 EXISTING FLOOR CEILING ASSEMBLY IS 1 HOUR
 NOTE: ELECTRICAL CONTRACTOR TO FIRESTOP ALL OPENINGS IN FIRE RATED WALLS IN ACCORDANCE WITH IBC 2009.



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 No. Date
 No. Date
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KEVIN L. BELKA

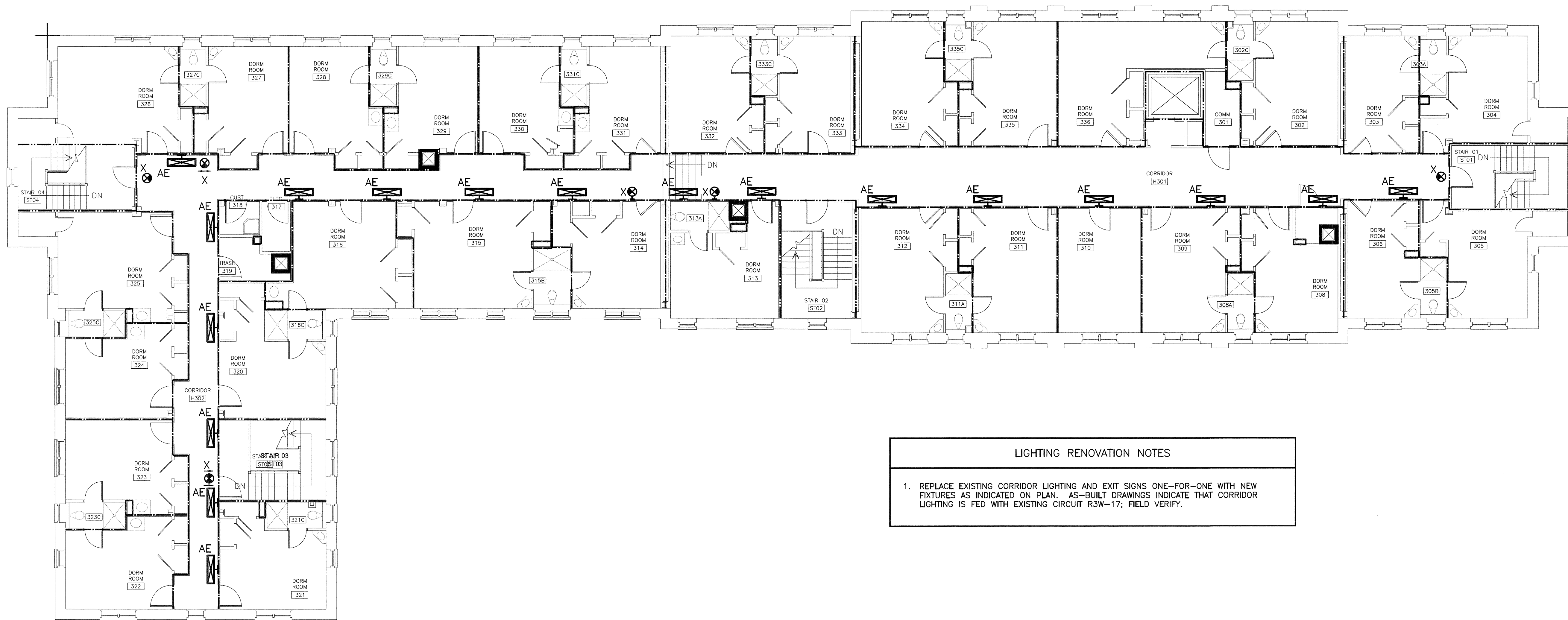
Project
**THE UNIVERSITY OF SOUTH CAROLINA
 MAXCY COLLEGE RENOVATIONS
 COLUMBIA, SOUTH CAROLINA**

Sheet Title
SECOND FLOOR LIGHTING RENOVATION PLAN

Project Number
961

Sheet
E3.2

JH21101



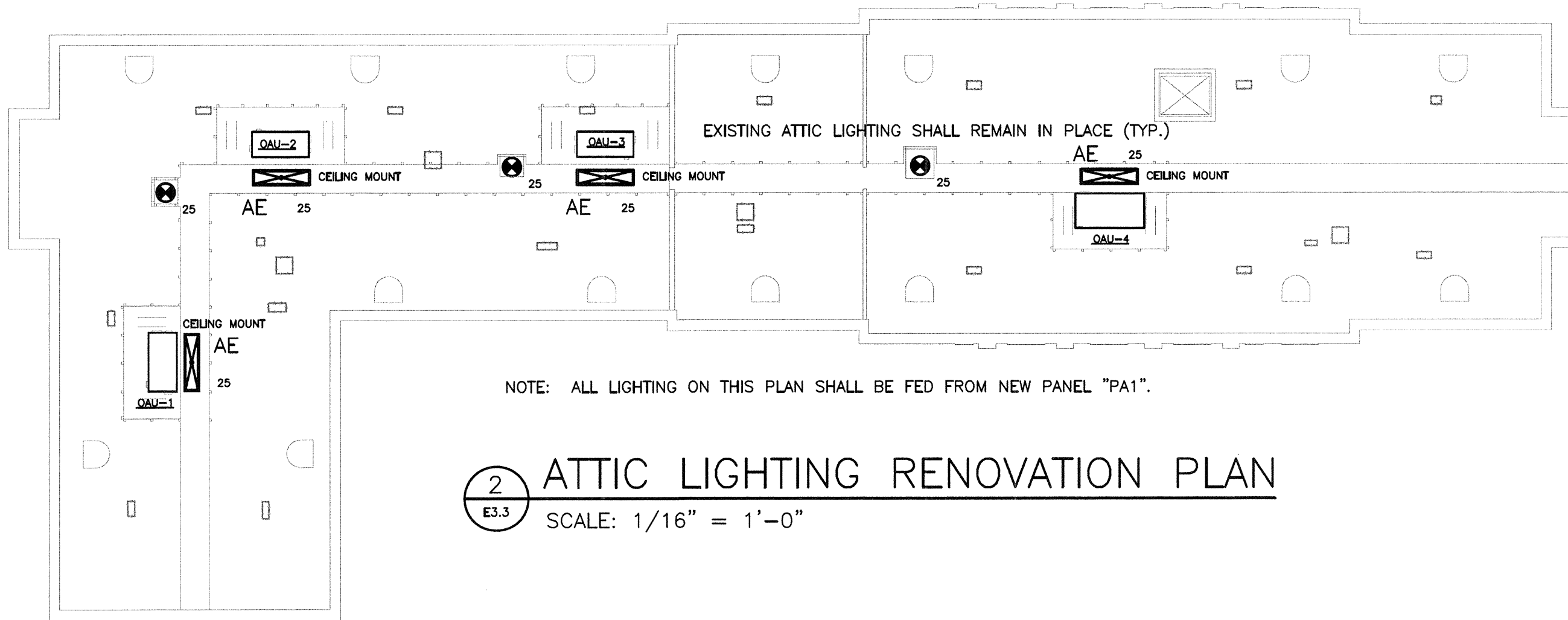
1 THIRD FLOOR LIGHTING RENOVATION PLAN
 E3.3 SCALE: 1/8" = 1'-0"

LIGHTING RENOVATION NOTES

1. REPLACE EXISTING CORRIDOR LIGHTING AND EXIT SIGNS ONE-FOR-ONE WITH NEW FIXTURES AS INDICATED ON PLAN. AS-BUILT DRAWINGS INDICATE THAT CORRIDOR LIGHTING IS FED WITH EXISTING CIRCUIT R3W-17; FIELD VERIFY.

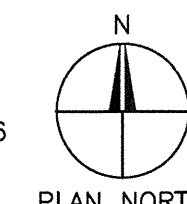
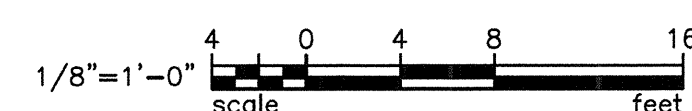
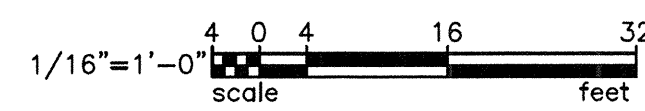
FIRE WALL RATING LEGEND

1 HR. FIRE RATED SEPERATION —————
 2 HR. FIRE RATED SEPERATION —————
 EXISTING FLOOR CEILING ASSEMBLY IS 1 HOUR
 NOTE: ELECTRICAL CONTRACTOR TO FIRESTOP ALL OPENINGS IN FIRE RATED WALLS IN ACCORDANCE WITH IBC 2009.



2 ATTIC LIGHTING RENOVATION PLAN
 E3.3 SCALE: 1/16" = 1'-0"

NOTE: ALL LIGHTING ON THIS PLAN SHALL BE FED FROM NEW PANEL "PA1".



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No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
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Professional Engineer Seal for Kevin L. Belka, No. 12465, State of South Carolina.

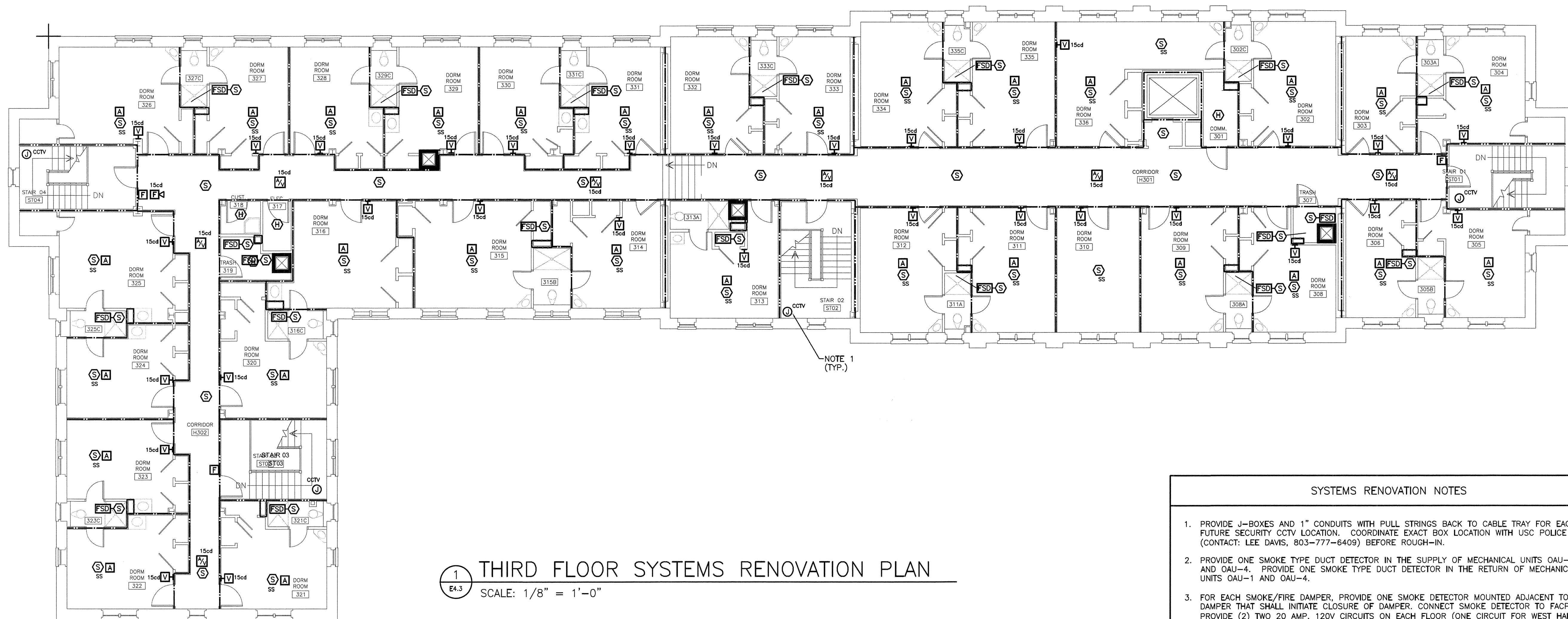
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Sheet Title: THIRD FLOOR LIGHTING RENOVATION PLAN

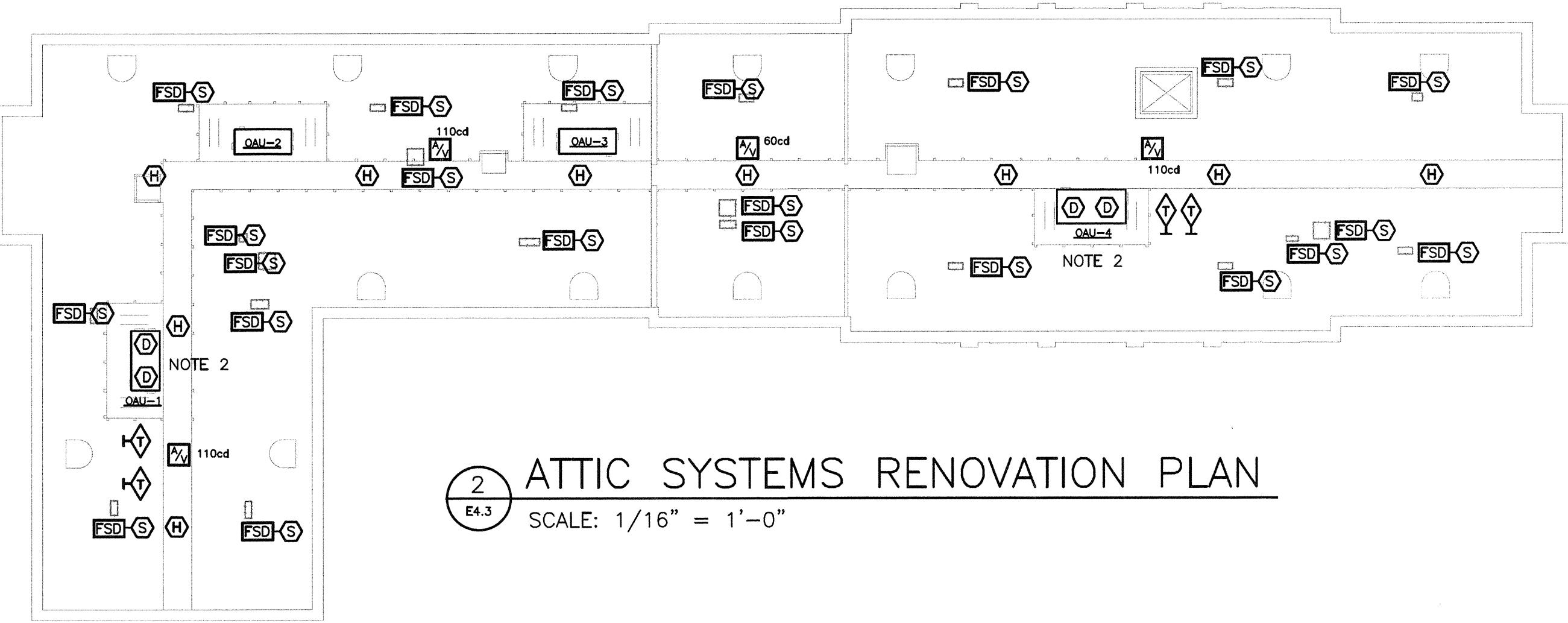
Project Number	961
Sheet	E3.3

JH21101



1 THIRD FLOOR SYSTEMS RENOVATION PLAN
 SCALE: 1/8" = 1'-0"

- SYSTEMS RENOVATION NOTES
1. PROVIDE J-BOXES AND 1" CONDUITS WITH PULL STRINGS BACK TO CABLE TRAY FOR EACH FUTURE SECURITY CCTV LOCATION. COORDINATE EXACT BOX LOCATION WITH USC POLICE (CONTACT: LEE DAVIS, 803-777-6409) BEFORE ROUGH-IN.
 2. PROVIDE ONE SMOKE TYPE DUCT DETECTOR IN THE SUPPLY OF MECHANICAL UNITS OAU-1 AND OAU-4. PROVIDE ONE SMOKE TYPE DUCT DETECTOR IN THE RETURN OF MECHANICAL UNITS OAU-1 AND OAU-4.
 3. FOR EACH SMOKE/FIRE DAMPER, PROVIDE ONE SMOKE DETECTOR MOUNTED ADJACENT TO DAMPER THAT SHALL INITIATE CLOSURE OF DAMPER. CONNECT SMOKE DETECTOR TO FACP. PROVIDE (2) TWO 20 AMP, 120V CIRCUITS ON EACH FLOOR (ONE CIRCUIT FOR WEST HALF AND ONE CIRCUIT FOR EAST HALF) TO POWER DAMPER OPERATION. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DAMPER.



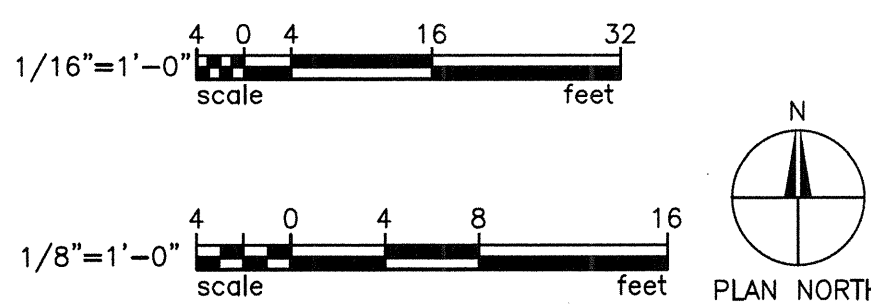
2 ATTIC SYSTEMS RENOVATION PLAN
 SCALE: 1/16" = 1'-0"

FIRE WALL RATING LEGEND

1 HR. FIRE RATED SEPERATION	
2 HR. FIRE RATED SEPERATION	

EXISTING FLOOR CEILING ASSEMBLY IS 1 HOUR

NOTE: ELECTRICAL CONTRACTOR TO FIRESTOP ALL OPENINGS IN FIRE RATED WALLS IN ACCORDANCE WITH IBC 2009.



JH21101

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JJS

Date Drawn
12/06/11

Revisions

No.	Date	
No.	Date	
No.	Date	
No.	Date	
No.	Date	
No.	Date	
No.	Date	
No.	Date	
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 COLUMBIA, SOUTH CAROLINA

THIRD FLOOR SYSTEMS RENOVATION PLAN

Project Number	961
Sheet	E4.3

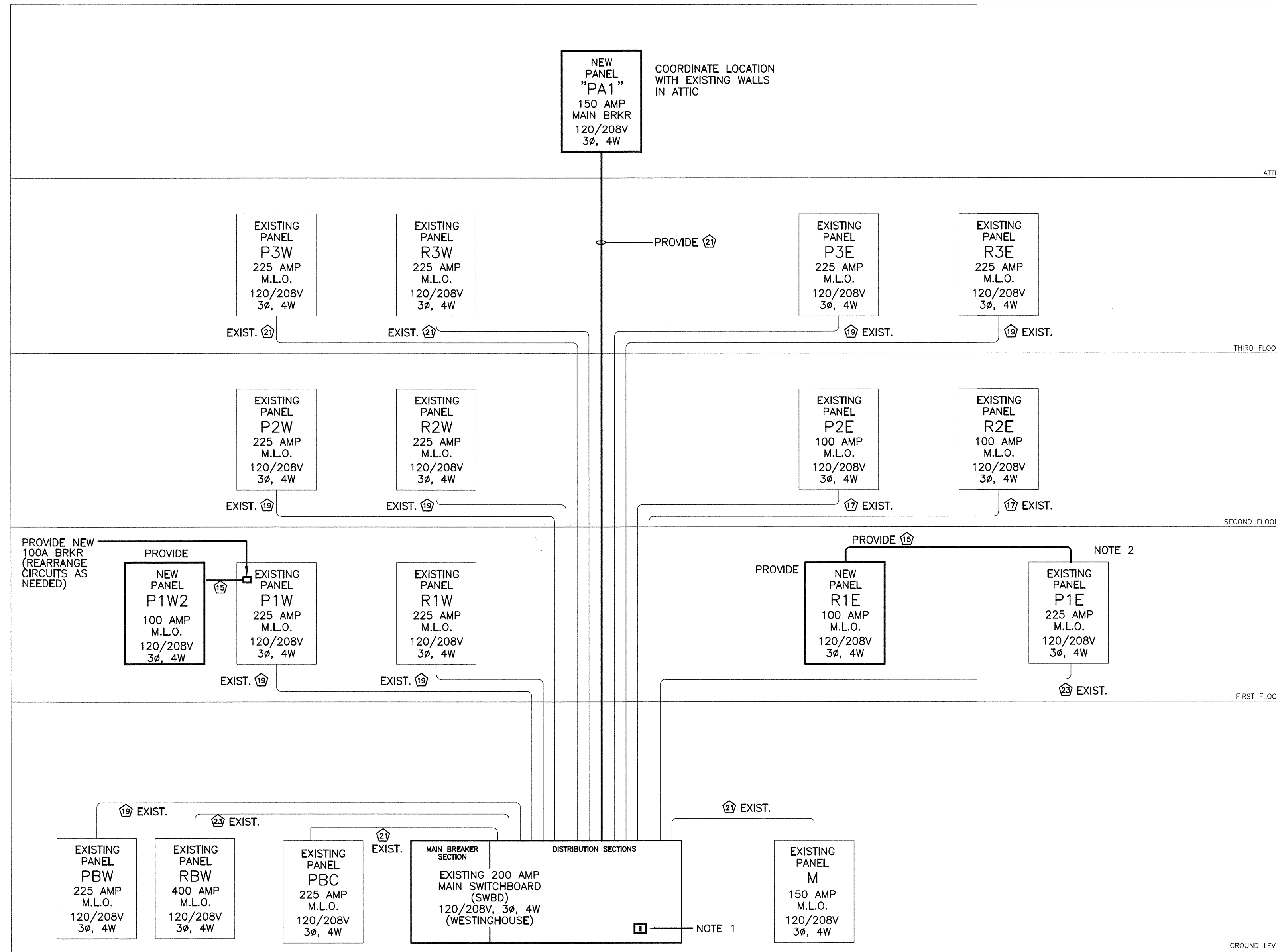
SINGLE-LINE DIAGRAM NOTES

1. PROVIDE TWO 3-POLE CIRCUIT BREAKERS IN THE EXISTING MAIN SWITCHBOARD TO SERVE NORMAL POWER TO NEW ATTIC PANEL "PA1" (150 AMP).
2. PROVIDE A 100-AMP RATED, 3-POLE CIRCUIT BREAKER IN EXISTING PANEL "P1E" TO SERVE NORMAL POWER TO NEW PANEL "R1E".

WIRE/CONDUIT SCHEDULE

NO.	WIRE	CONDUIT
1	2#12, 1#12 GND.	1/2"
2	3#12, 1#12 GND.	1/2"
3	4#12, 1#12 GND.	3/4"
4	2#10, 1#10 GND.	1/2"
5	3#10, 1#10 GND.	3/4"
6	4#10, 1#10 GND.	3/4"
7	2#8, 1#10 GND.	3/4"
8	3#8, 1#10 GND.	1"
9	4#8, 1#10 GND.	1"
10	3#6, 1#8 GND.	1"
11	4#6, 1#8 GND.	1-1/4"
12	3#4, 1#8 GND.	1-1/4"
13	4#4, 1#8 GND.	1-1/4"
14	3#3, 1#8 GND.	1-1/4"
15	4#3, 1#8 GND.	1-1/2"
16	3#2, 1#6 GND.	1-1/2"
17	4#2, 1#6 GND.	1-1/2"
18	3#1, 1#6 GND.	1-1/2"
19	4#1, 1#6 GND.	2"
20	3 #1/0, 1#6 GND.	2"
21	4 #1/0, 1#6 GND.	2"
22	3 #2/0, 1#6 GND.	2"
23	4 #2/0, 1#6 GND.	2"
24	3 #3/0, 1#6 GND.	2"
25	4 #3/0, 1#6 GND.	2-1/2"
26	3 #4/0, 1#4 GND.	2-1/2"
27	4 #4/0, 1#4 GND.	2-1/2"
28	3-250KCMIL, 1#4 GND.	3"
29	4-250KCMIL, 1#4 GND.	3"
30	3-350KCMIL, 1#3 GND.	3"
31	4-350KCMIL, 1#3 GND.	3"
32	3-500KCMIL, 1#3 GND.	3"
33	4-500KCMIL, 1#3 GND.	4"
34	3-600KCMIL, 1#2 GND.	3-1/2"
35	4-600KCMIL, 1#2 GND.	4"
36	3-750KCMIL, 1#2 GND.	4"
37	4-750KCMIL, 1#2 GND.	5"

ALL OTHER CIRCUITS SHALL BE 2#12, 1#12 GND., 1/2", UNLESS NOTED.



1 POWER SINGLE-LINE DIAGRAM
E5.0 NOT TO SCALE



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Date Drawn
12/06/11

Revisions
No. _____ Date _____
No. _____ Date _____
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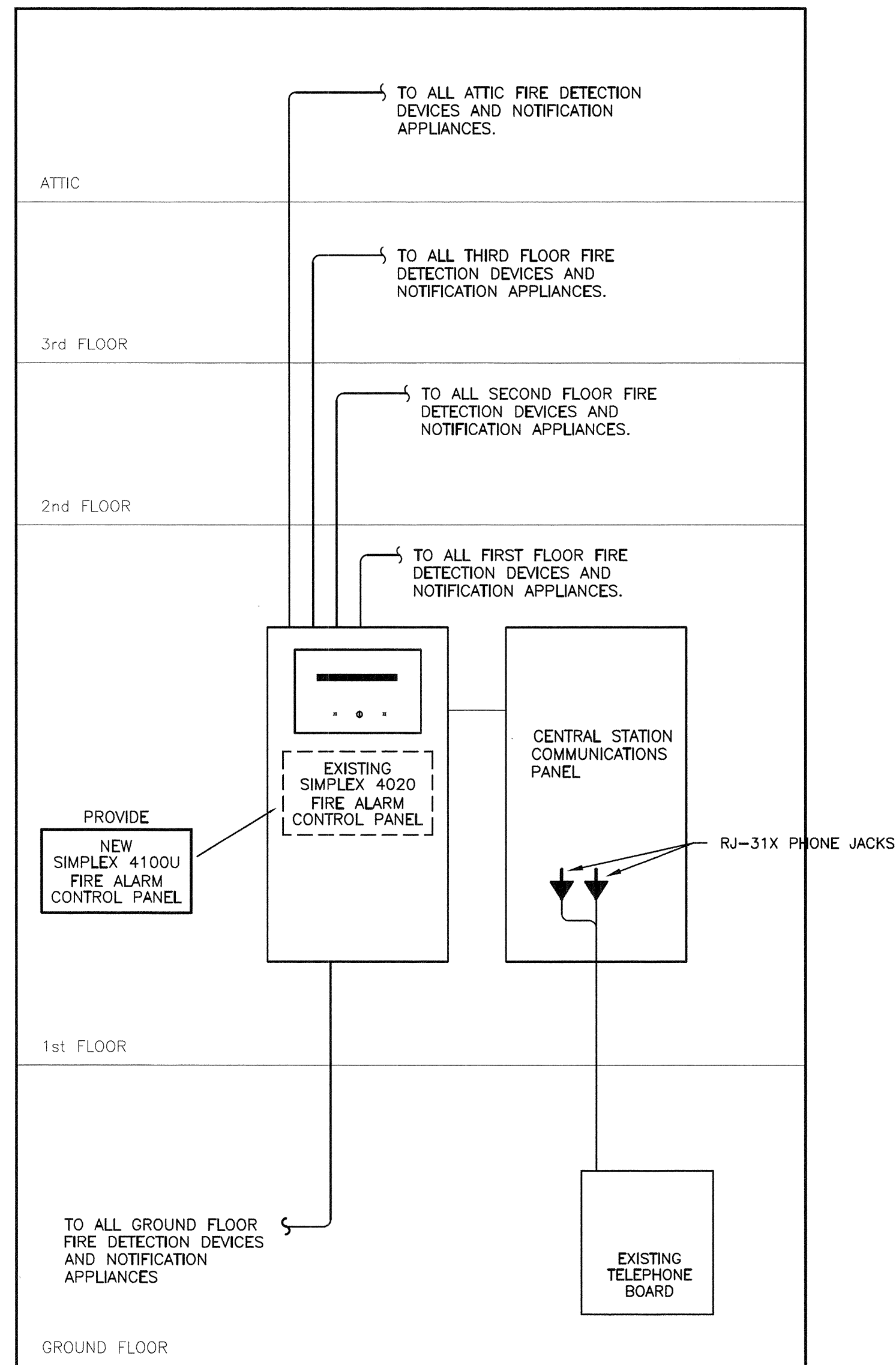
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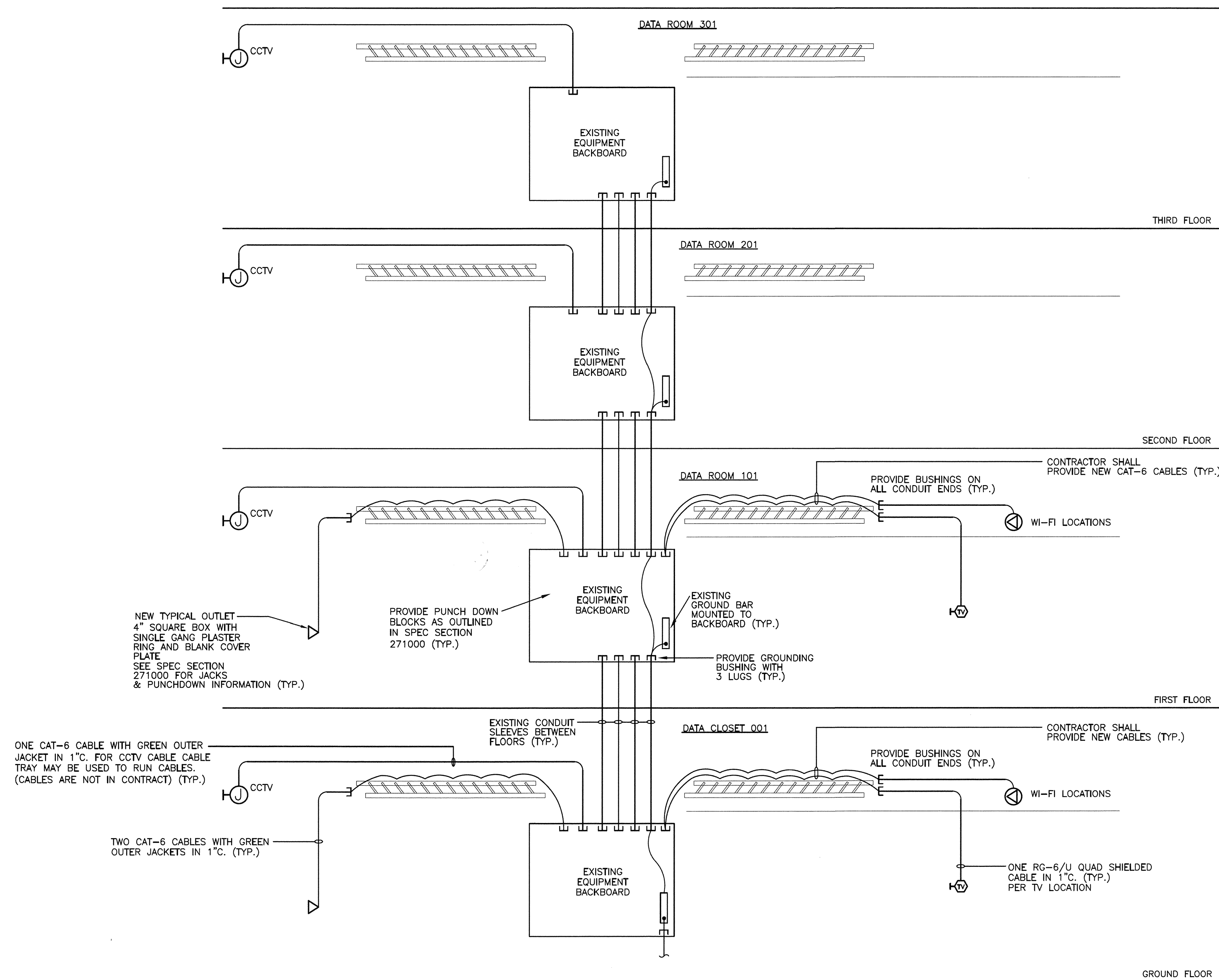
Sheet Title
POWER SINGLE-LINE DIAGRAM

Project Number
961

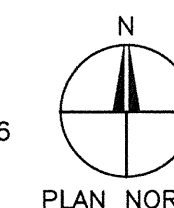
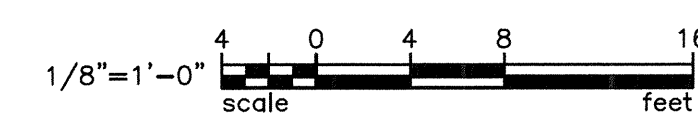
Sheet
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1 FIRE ALARM SINGLE-LINE DIAGRAM
Es.1 NOT TO SCALE



2 VOICE/DATA SINGLE-LINE DIAGRAM
Es.1 NOT TO SCALE



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Project Number
961

Sheet
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Project
Sheet Title

SYSTEMS SINGLE-LINE DIAGRAMS

