

- NOTES:**
1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 4. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 5. FOR RECEPTACLES INDICATED, CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN HOT AT ALL TIMES.
 6. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 7. SEE SHEET E3.1 FOR EXHAUST FAN WIRING DIAGRAM.
 8. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
 9. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 10. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR-HINGE SWITCHES.

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuce-Hoffman
Associates, Inc.

Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

UNIT PLANS
UNIT TYPES
E, F & G

FC 8

Crescent Heights Apartment Suites

Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman
Associates, Inc.

Structural Engineer
Becker Structural Eng.

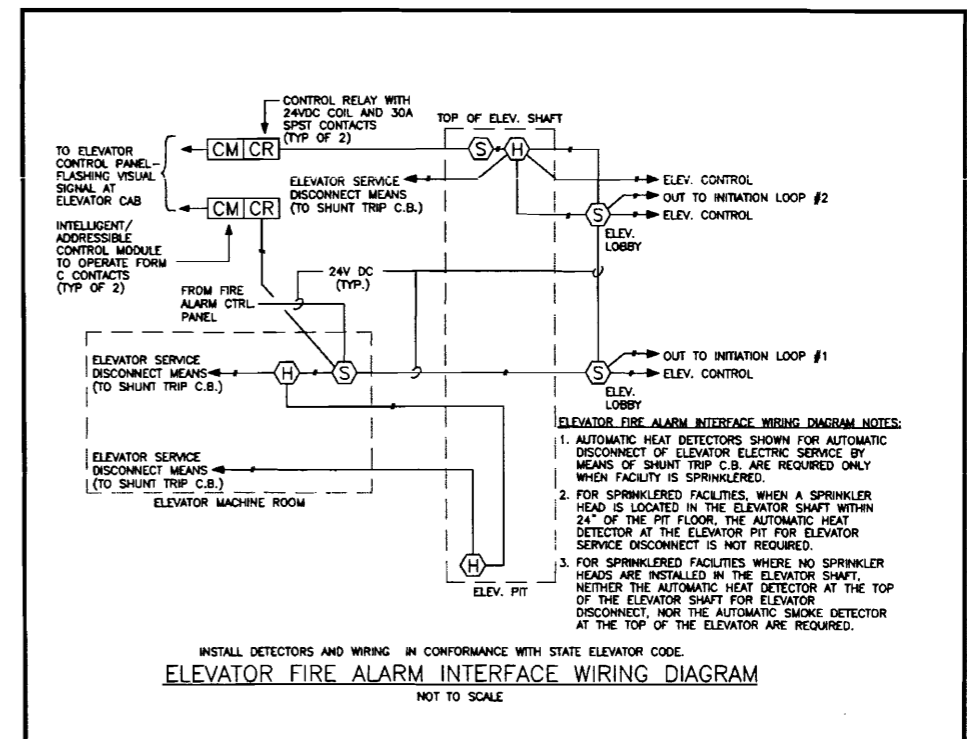
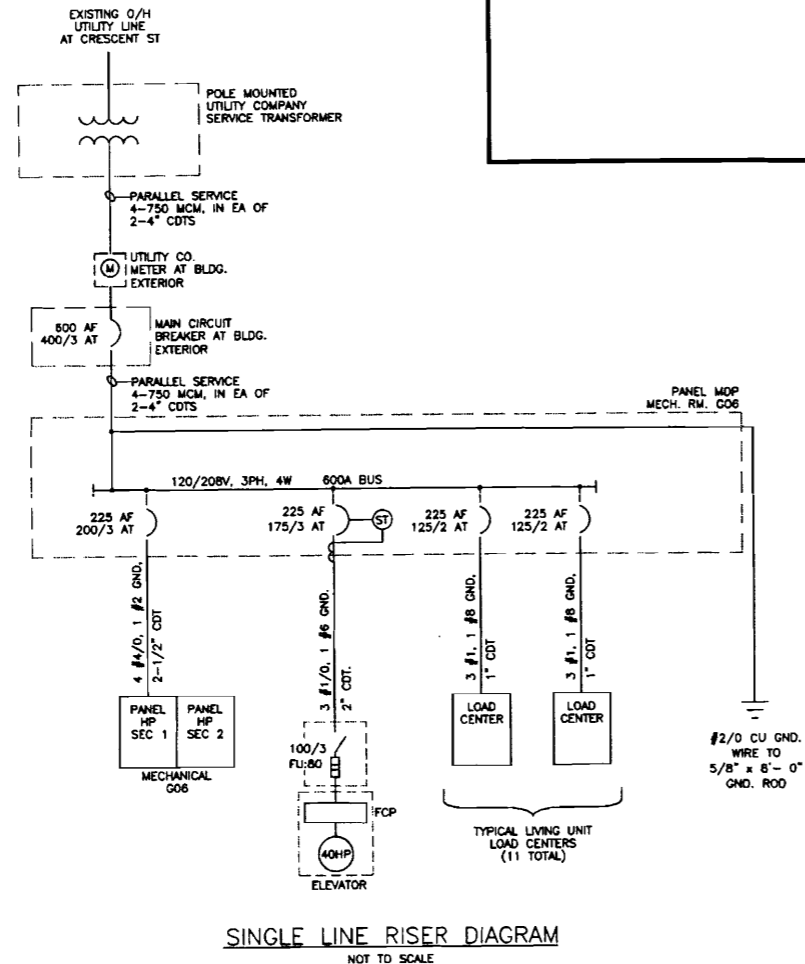
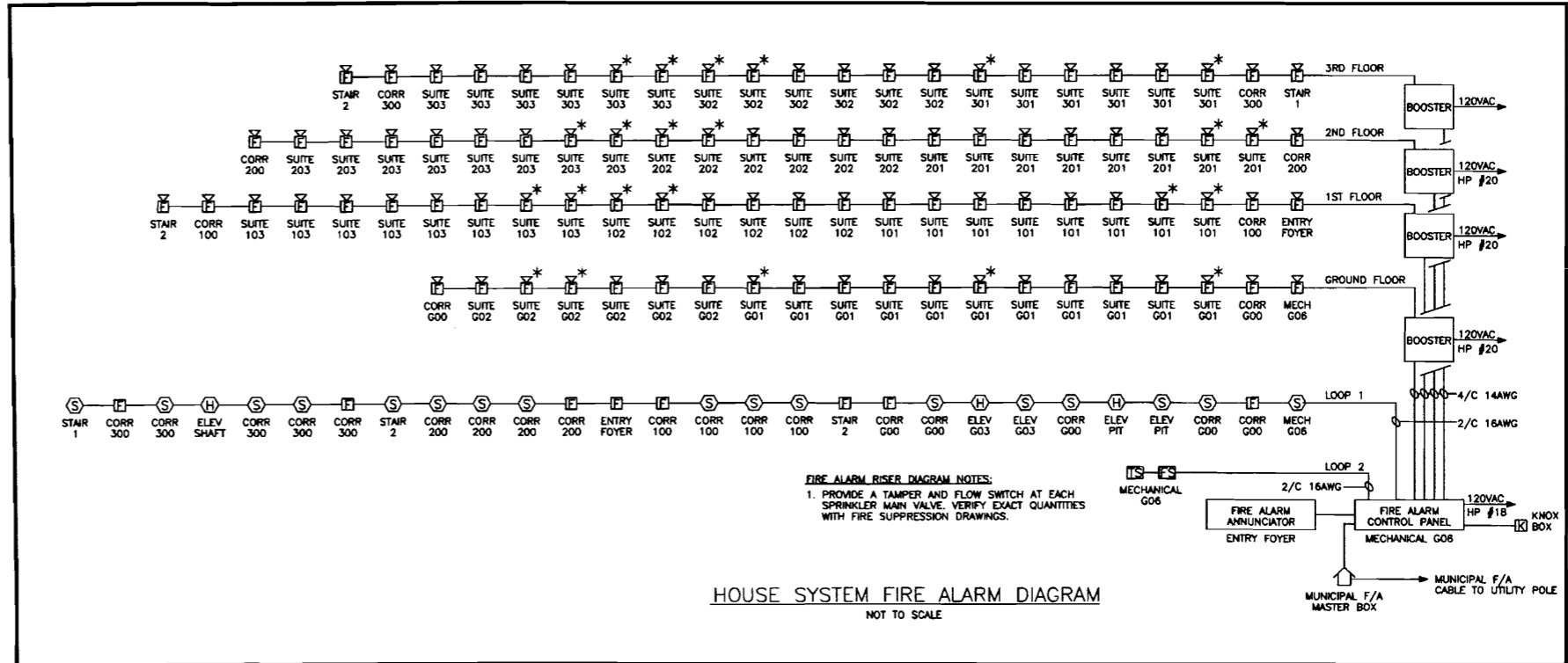
Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

DETAIL SHEETS

ELECTRICAL DIAGRAMS

FC 9

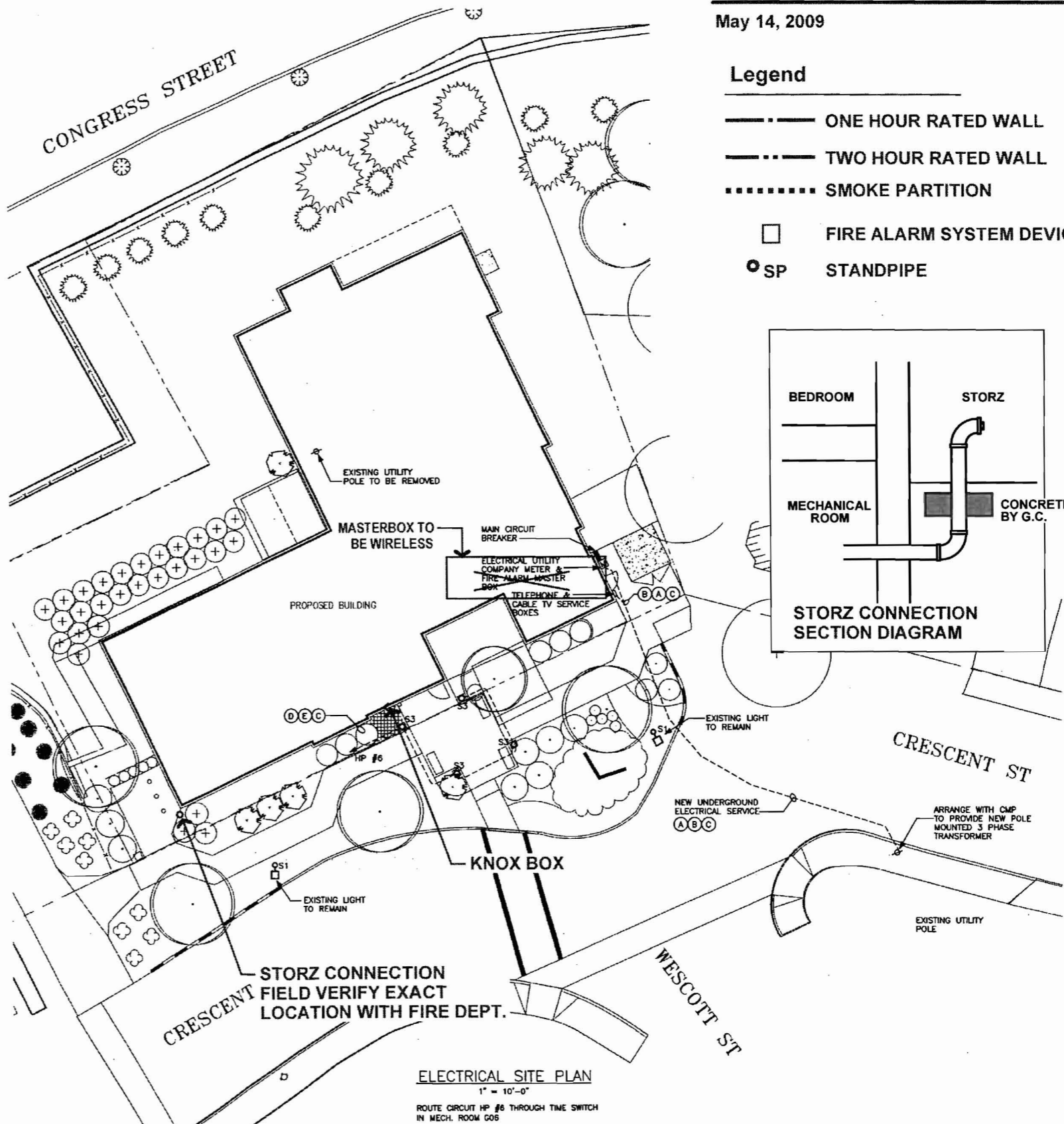


ELECTRICAL SYMBOLS

PLAN SYMBOLS		SINGLE LINE DIAGRAM SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	125V, 20A, DUPLEX GROUNDED RECEPTACLE GF1 = Ground Fault Type WP = Weatherproof AC = Mount 6" Above Sink or Counter		Ampere Frame Rating (3 poles Except as Noted Otherwise)
	125V, 20A, QUAD GROUNDED RECEPTACLE		Ampere Trip Rating
	250V, SINGLE GROUNDED RECEPTACLE		ELECTRICAL CONNECTION
	TELEPHONE OUTLET (WALL MTD.)		GROUND CONNECTION
	CABLE TELEVISION OUTLET		EQUIPMENT ENCLOSURE
	PHOTOCELL		TRANSFORMER
	MOTION DETECTOR		UNFUSED SWITCH No. of Poles Ampere Rating
	MANUAL MOTOR SWITCH		UTILITY CO. SERVICE METER
	FIRE ALARM SMOKE DETECTOR Indicates Localized Smoke Detector		
	FIRE ALARM AUDIO VISUAL		
	FIRE ALARM PULL STATION		
	FIRE ALARM HEAT DETECTOR		
	ELECTRONIC DOOR HOLDER		
	HANDICAP DOOR OPENER		
	JUNCTION BOX		
	CEILING MTD. FLUORESCENT LIGHT FIXTURE Load Center Circuit Number Fixture Designation		
	WALL MOUNTED LIGHT FIXTURE		
	RECESSED/CEILING MOUNTED LIGHT FIXTURE		
	LIGHT/DEVICE SWITCH 3 = Three-Way Type		
	ELECTRIC LOAD CENTER/PANELBOARD		

BUILDING DATA

USE GROUP	NFPA:	DORMITORY (CH. 28)	
	IBC:	R-2 BOARDING HOUSE (NOT TRANSIENT)	
NUMBER OF STORIES		4	
AREA BY FLOOR	G	4,926	GSF
	1	4,890	
	2	4,796	
	3	4,599	
		19,211	TOTAL
TOP FLOOR HEIGHT ABOVE CRESCENT STREET		23'	
TOP FLOOR HEIGHT ABOVE CONGRESS STREET		67'	
CONSTRUCTION TYPE	NFPA:	V (111)	
	IBC:	V - A	
FIRE PROTECTION		NFPA 13 SUPERVISED	

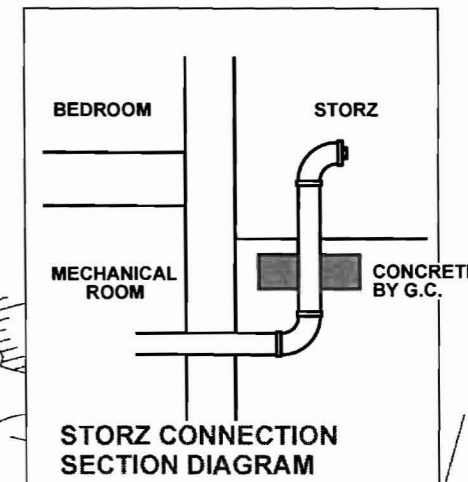


Life Safety Plans

May 14, 2009

Legend

- ONE HOUR RATED WALL
- TWO HOUR RATED WALL
- SMOKE PARTITION
- FIRE ALARM SYSTEM DEVICE
- SP STANDPIPE



**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hollman Associates, Inc.

Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Bartlett Design

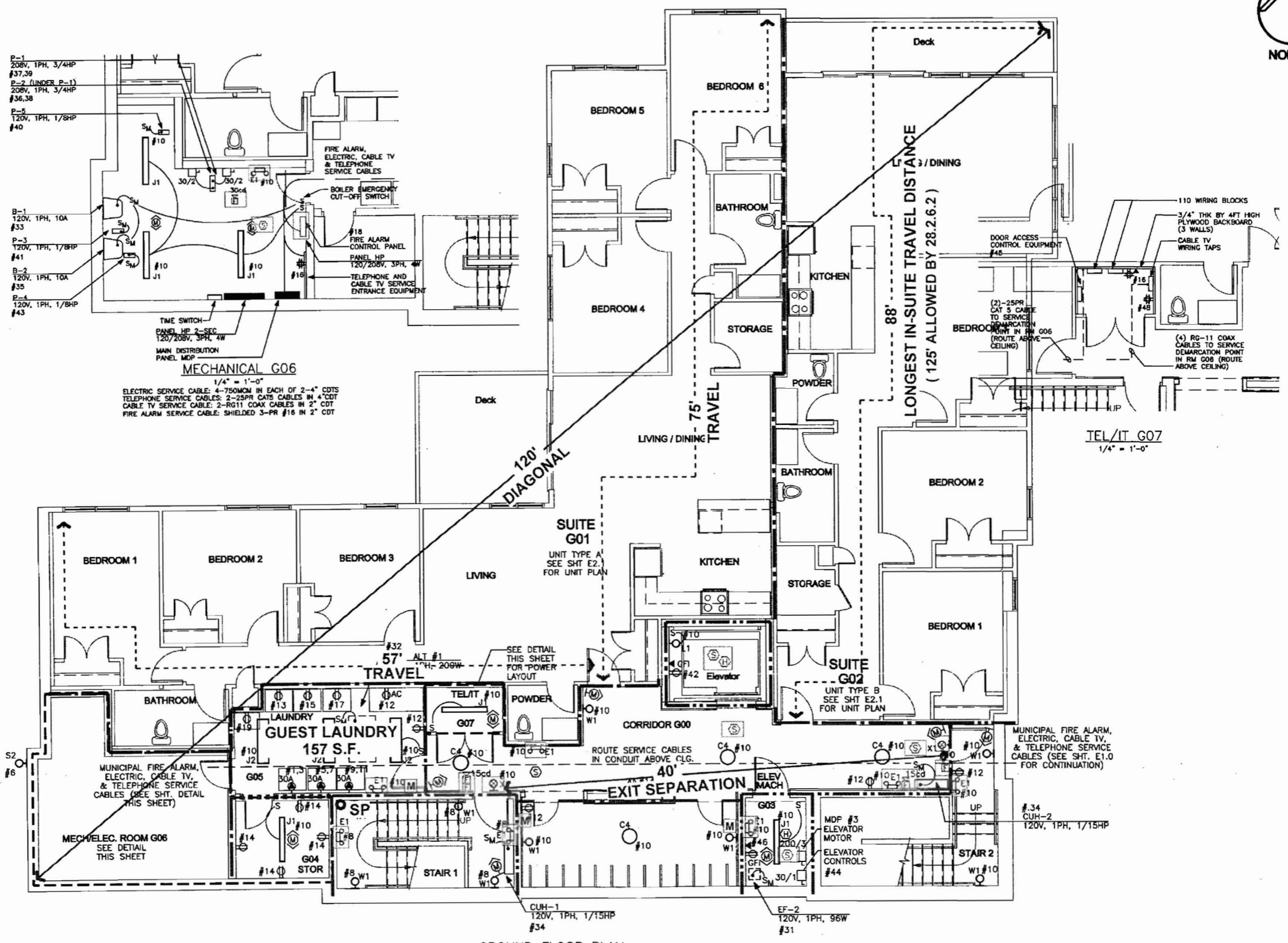
**ELECTRICAL
SITE PLAN**

FC 1



- P-1
208V, 1PH, 3/4HP
#37,39
- P-2 (UNDER P-1)
208V, 1PH, 3/4HP
#36,38
- P-5
120V, 1PH, 1/8HP
#40
- B-1
120V, 1PH, 10A
#33
- P-3
120V, 1PH, 1/8HP
#41
- B-2
120V, 1PH, 10A
#35
- P-4
120V, 1PH, 1/8HP
#43

MECHANICAL G06
1/4" = 1'-0"
ELECTRIC SERVICE CABLE: 4-750MCM IN EACH OF 2-4" CDTs
TELEPHONE SERVICE CABLES: 2-25PR CAT5 CABLES IN 4" CDT
CABLE TV SERVICE CABLE: 2-RG11 COAX CABLES IN 2" CDT
FIRE ALARM SERVICE CABLE: SHIELDED 3-PR #16 IN 2" CDT



GROUND FLOOR PLAN
ROUTE CIRCUIT HP #6 THROUGH TIME SWITCH
IN MECH. ROOM G06

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hollman
Associates, Inc.

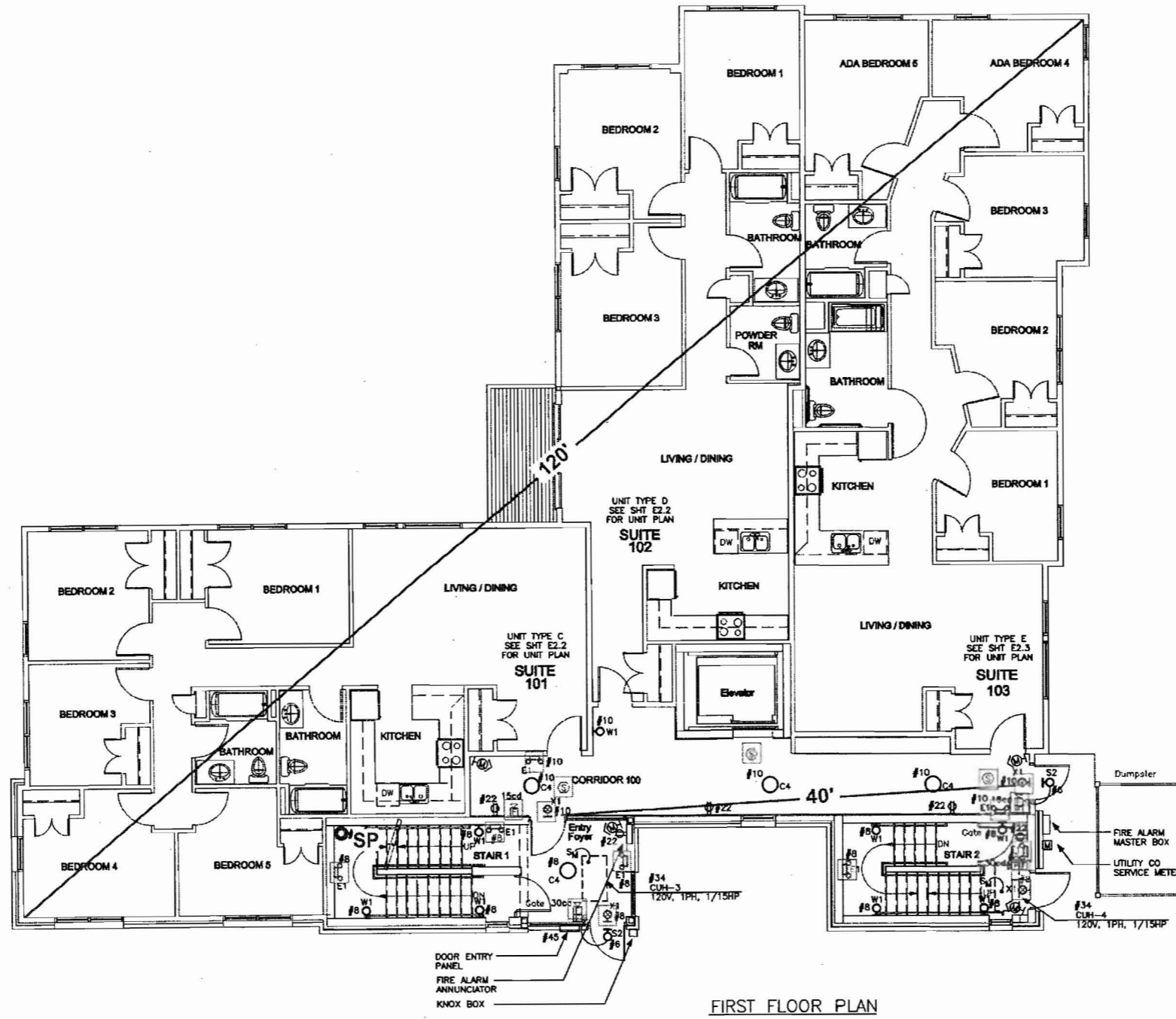
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

GROUND FLOOR
PLAN

FC 2



FIRST FLOOR PLAN

ROUTE CIRCUIT HP #6 THROUGH TIME SWITCH IN MECH. ROOM G06

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

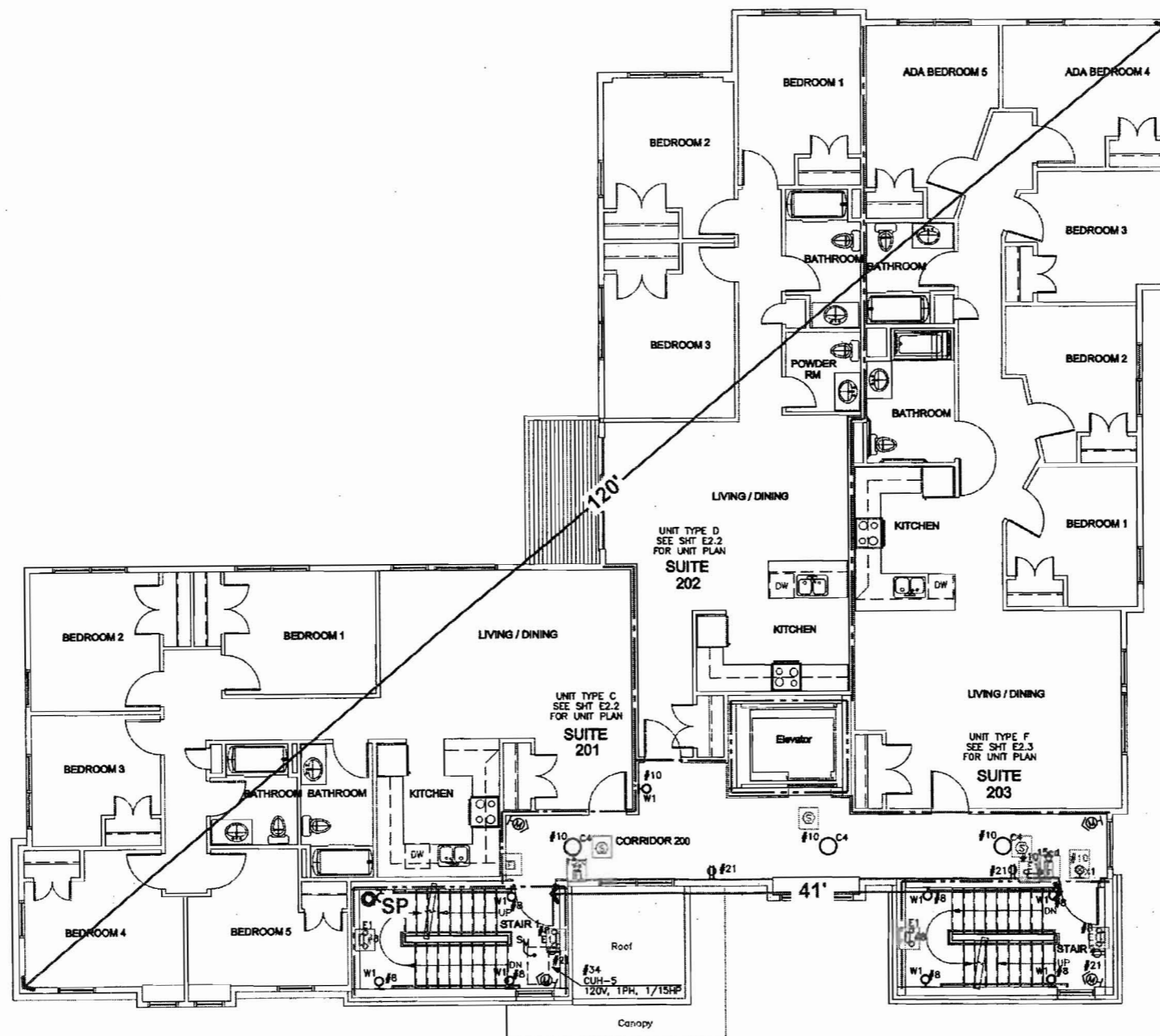
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barrett Design

FIRST FLOOR
PLAN

FC 3



SECOND FLOOR PLAN

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman
Associates, Inc.

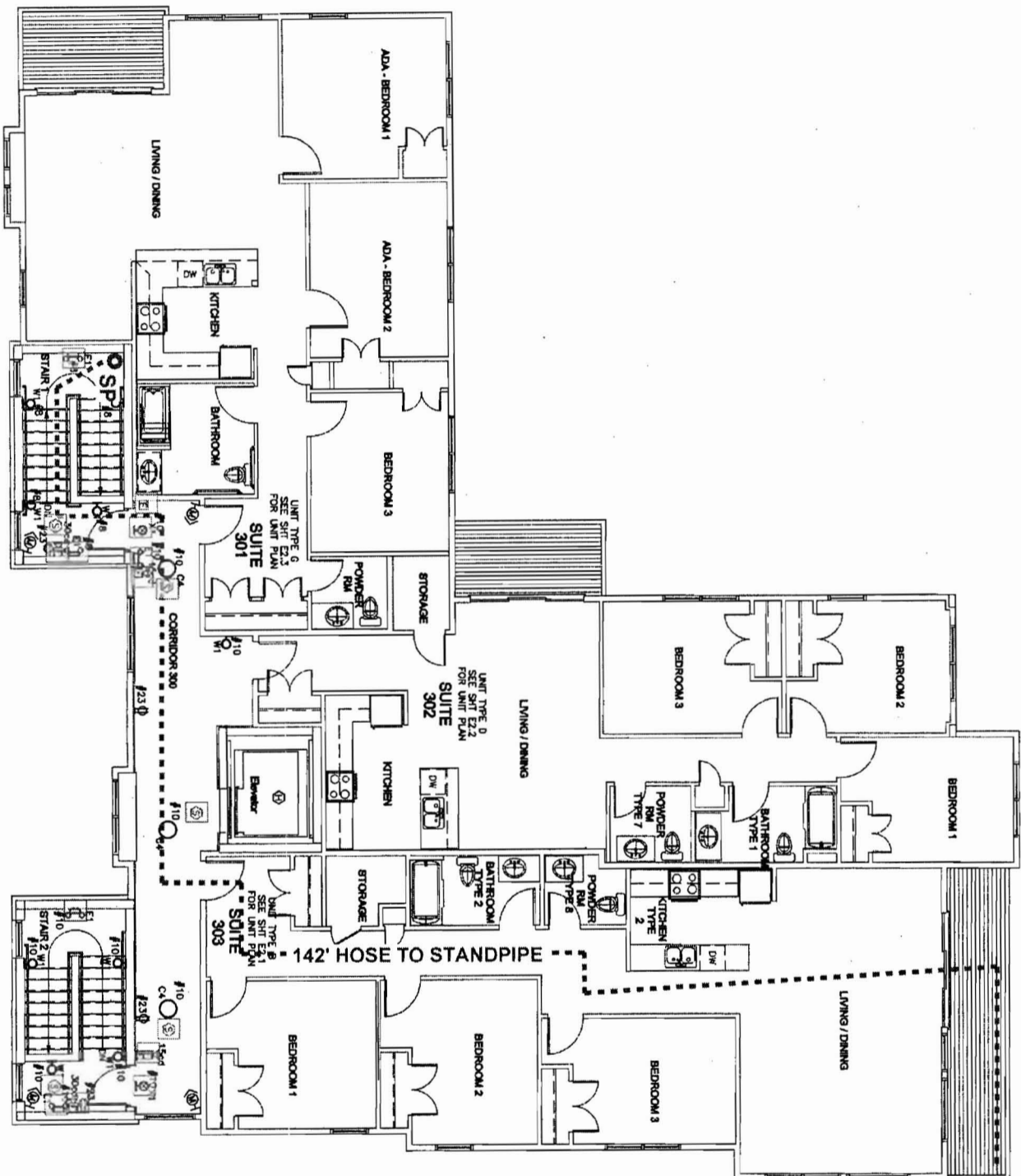
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barfield Design

SECOND FLOOR
PLAN

FC 4



THIRD FLOOR PLAN

Crescent Heights Apartment Suites

Portland, Maine

Owner
Crescent Heights LLC

Architect
Wilston Stock Architects

Landscape / Civil Engineer
Dai-Lee-Ho-Hoan
Associates, Inc.

Structural Engineer
Baker Structural Eng.

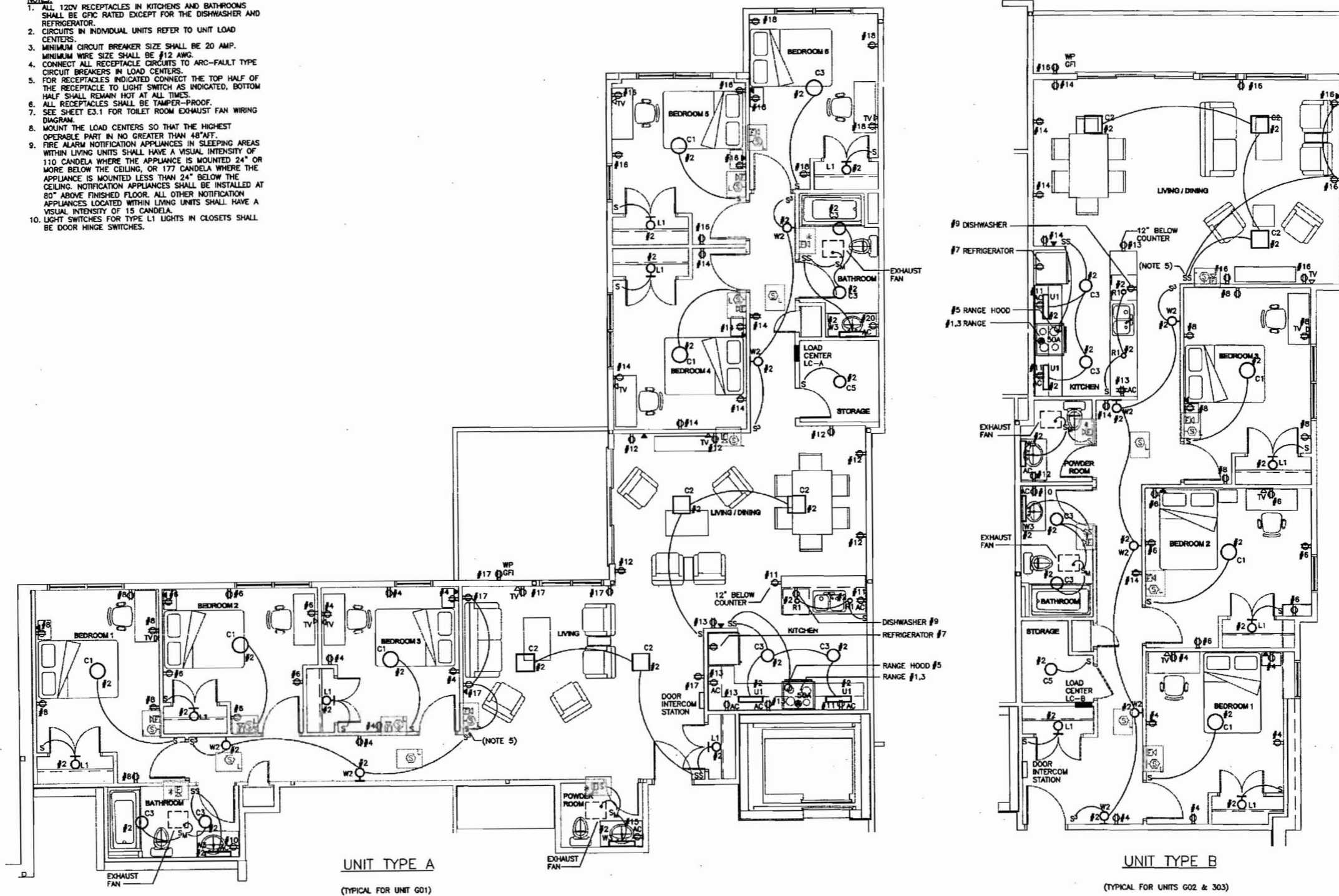
Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barnett Design

THIRD FLOOR
PLAN

FC 5

- NOTES:**
1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFC RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 4. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 5. FOR RECEPTACLES INDICATED CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN HOT AT ALL TIMES.
 6. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 7. SEE SHEET E3.1 FOR TOILET ROOM EXHAUST FAN WIRING DIAGRAM.
 8. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
 9. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 10. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR HINGE SWITCHES.



UNIT TYPE A
(TYPICAL FOR UNIT G01)

UNIT TYPE B
(TYPICAL FOR UNITS G02 & 303)

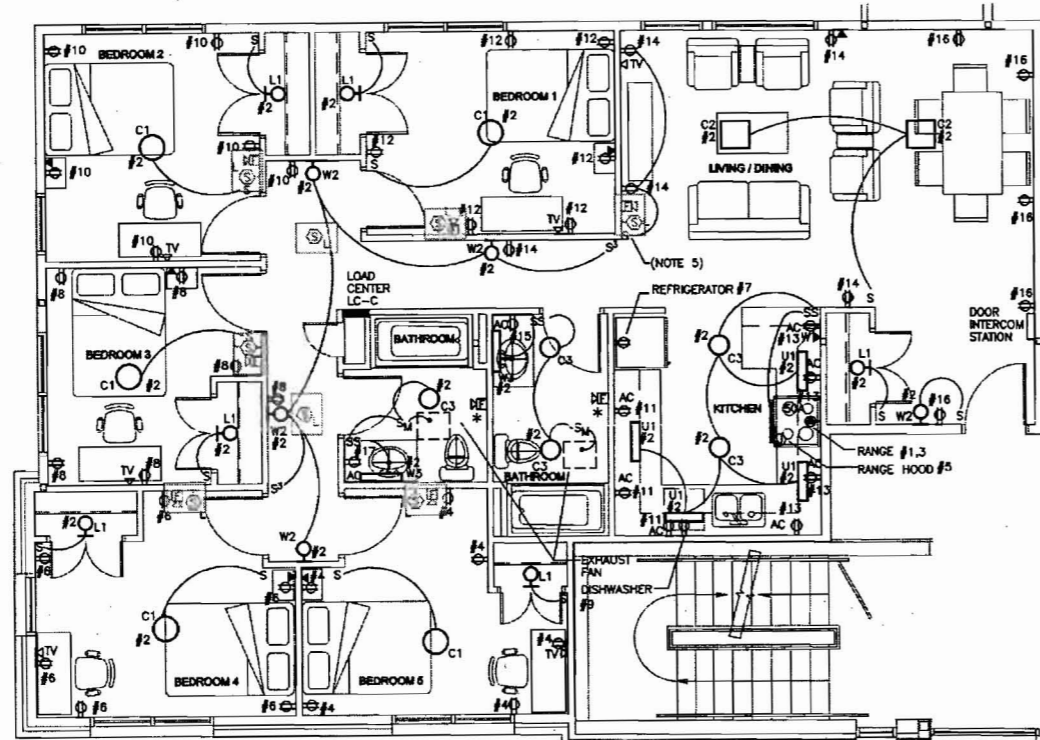
**Crescent Heights
Apartment Suites**
Portland, Maine

- Owner**
Crescent Heights LLC
- Architect**
Winton Scott Architects
- Landscape / Civil Engineer**
DeLuca-Hoffman Associates, Inc.
- Structural Engineer**
Bedier Structural Eng.
- Mechanical Engineer**
Mechanical Systems Eng.
- Lighting / Electrical Engineer**
Berlett Design

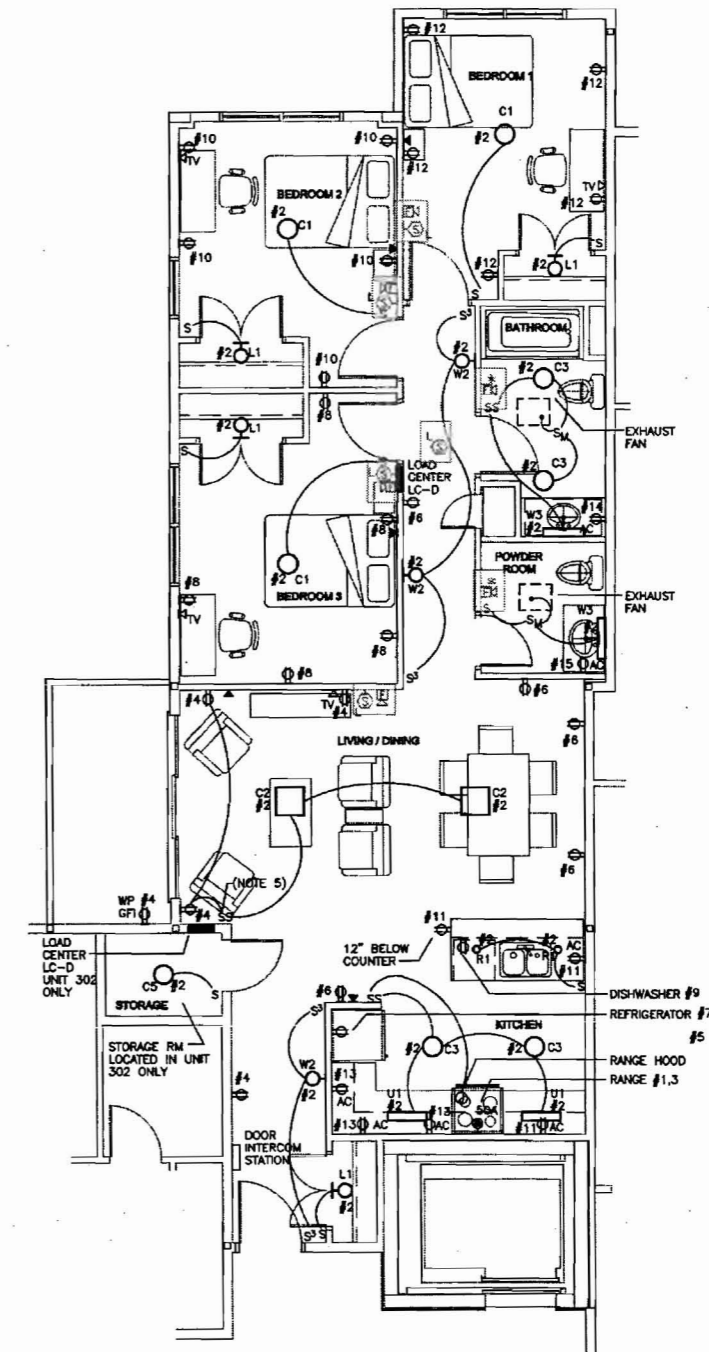
UNIT PLANS
UNIT TYPES
A & B

FC 6

- NOTES:**
- ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 - CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 - MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 - CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 - FOR RECEPTACLES INDICATED CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN HOT AT ALL TIMES.
 - ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 - SEE SHEET E3.1 FOR TOILET ROOM EXHAUST FAN WIRING DIAGRAM.
 - MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
 - FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 - LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR-HINGE SWITCHES.



UNIT TYPE C
(TYPICAL FOR UNITS 101 & 201)



UNIT TYPE D
(TYPICAL FOR UNITS 102, 202 & 302)

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

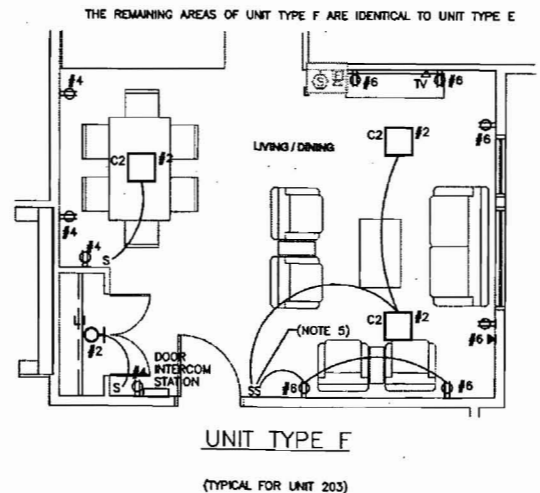
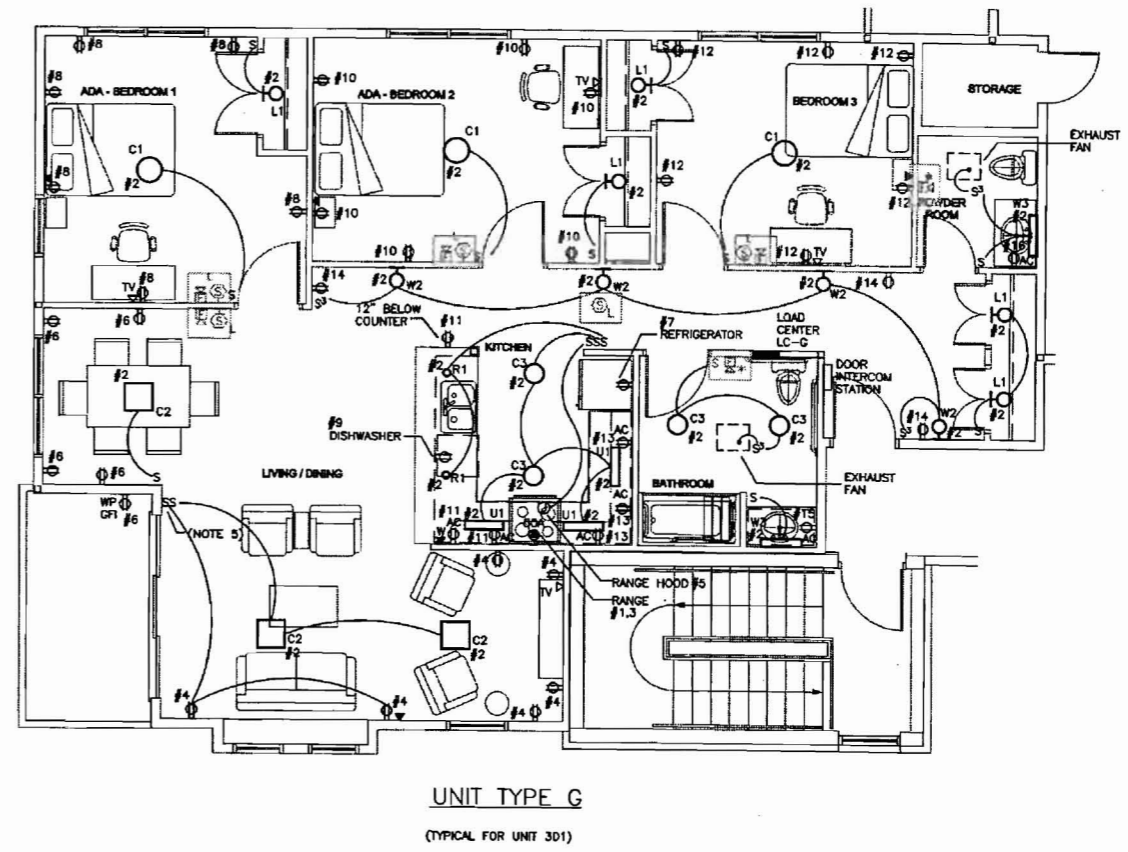
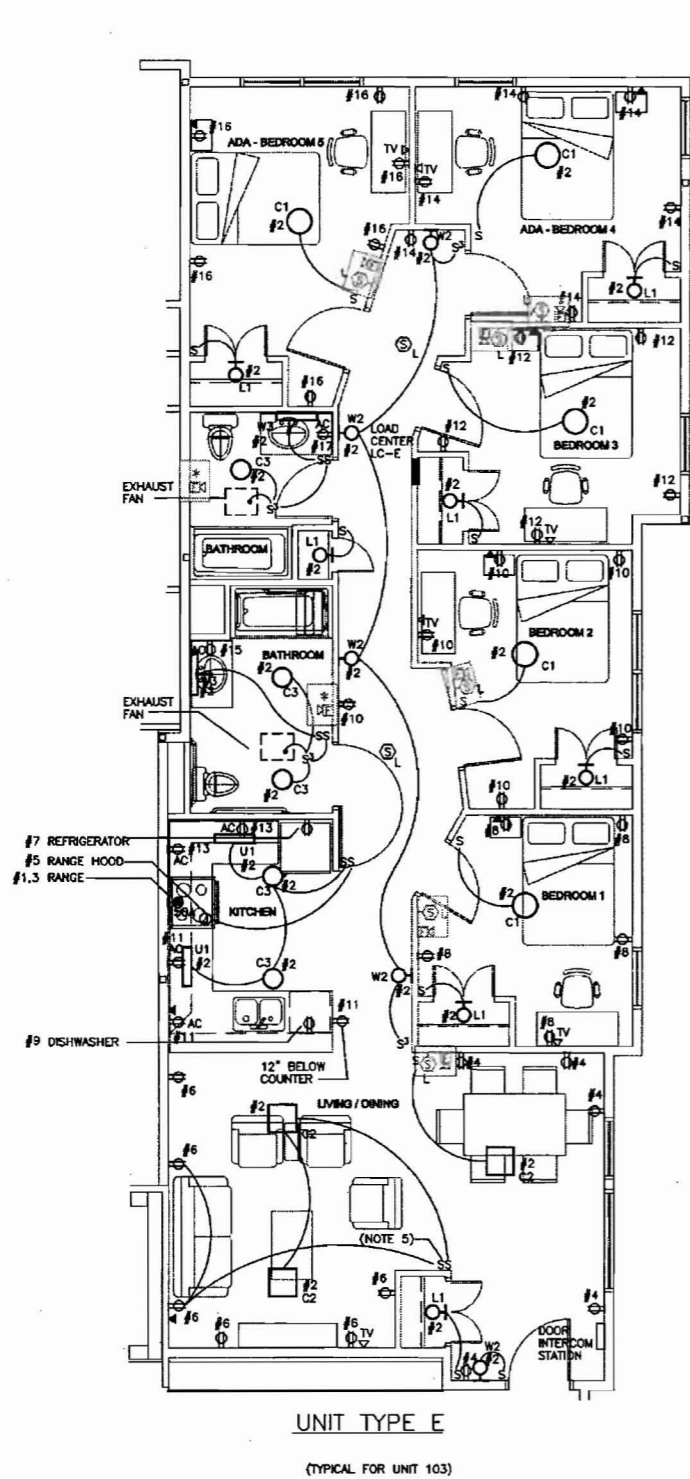
Structural Engineer
Recker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Berliff Design

UNIT PLANS
UNIT TYPES
C & D

FC 7



- NOTES:**
1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 4. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 5. FOR RECEPTACLES INDICATED, CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN HOT AT ALL TIMES.
 6. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 7. SEE SHEET ES.1 FOR EXHAUST FAN WIRING DIAGRAM.
 8. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
 9. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 10. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR-HINGE SWITCHES.

Crescent Heights Apartment Suites

Portland, Maine

Owner
Crescent Heights LLC

Architect
Winston Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

UNIT PLANS
UNIT TYPES
E, F & G

FC 8

Crescent Heights Apartment Suites

Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman
Associates, Inc.

Structural Engineer
Sector Structural Eng.

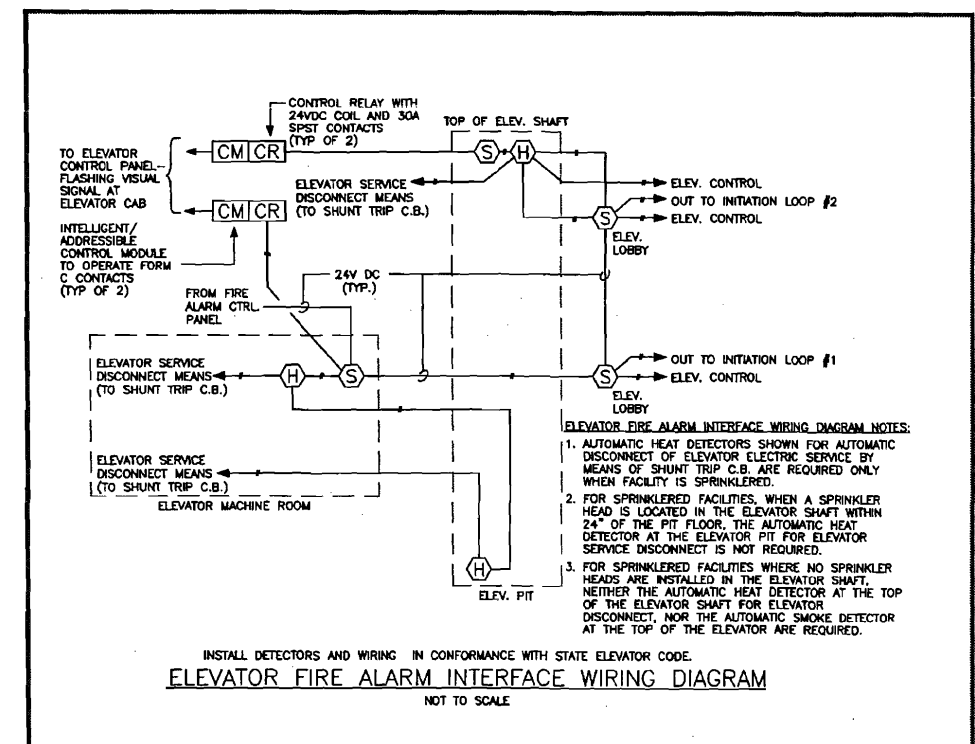
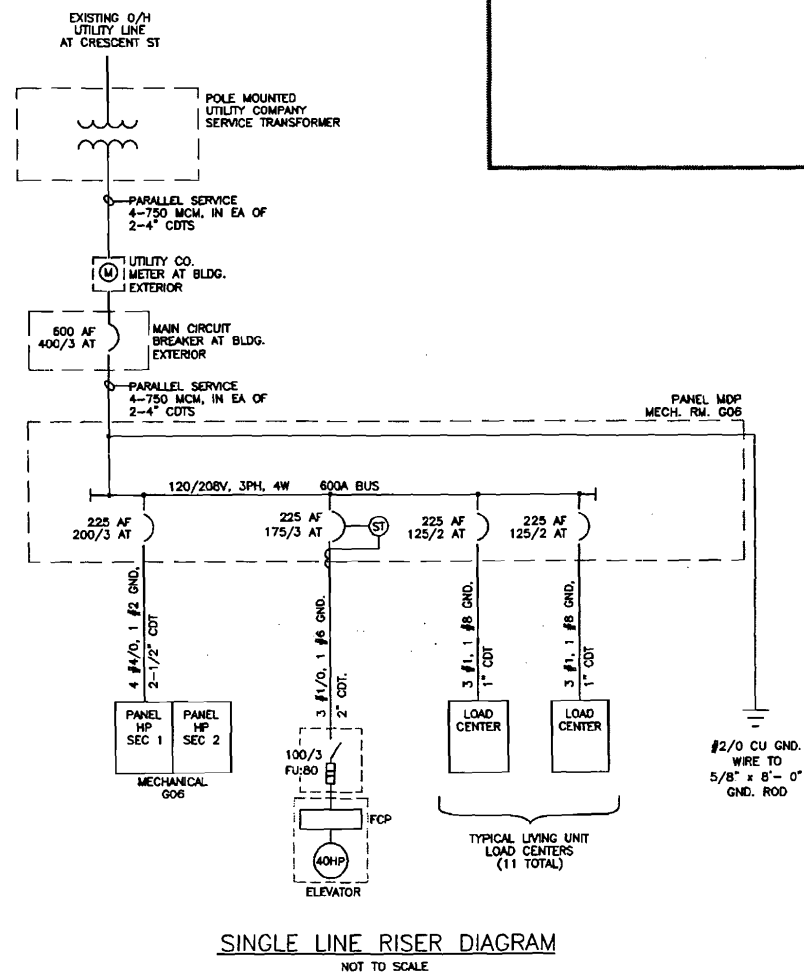
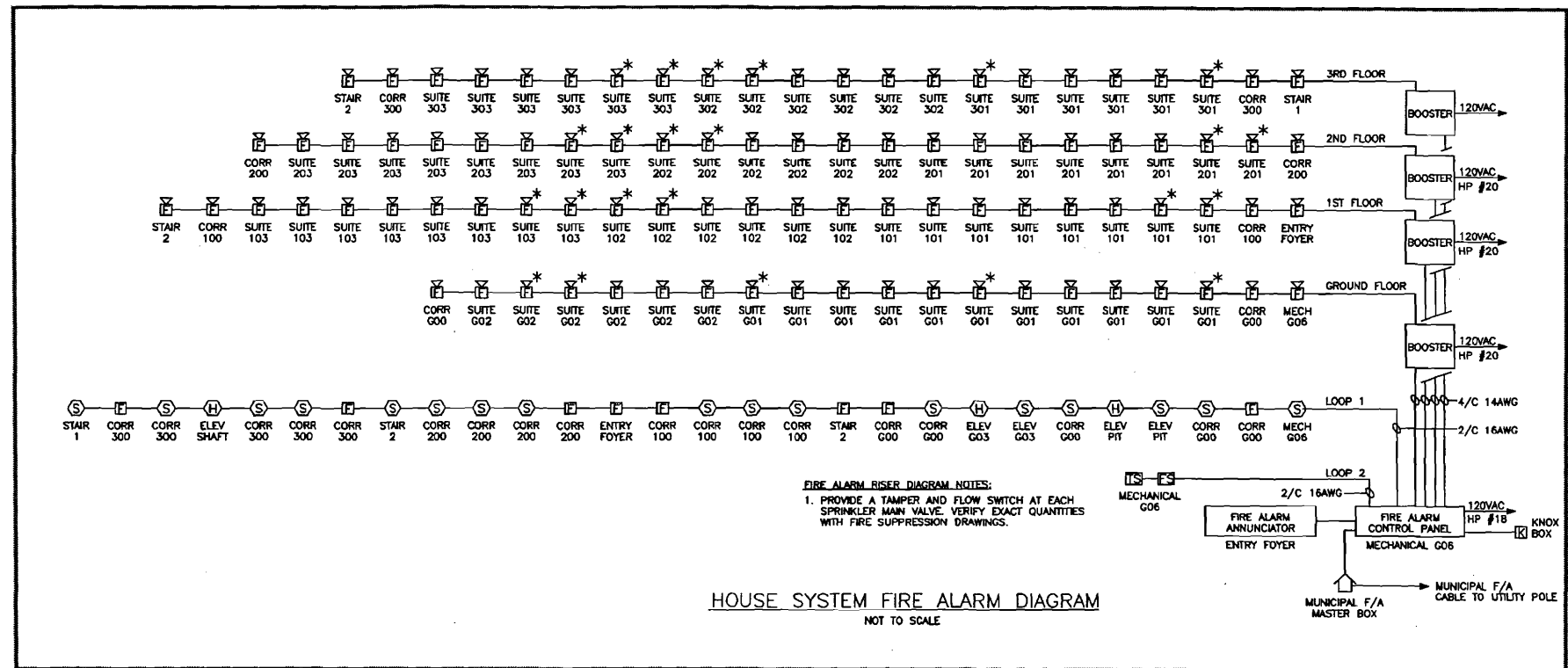
Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

DETAIL SHEETS

ELECTRICAL
DIAGRAMS

FC 9

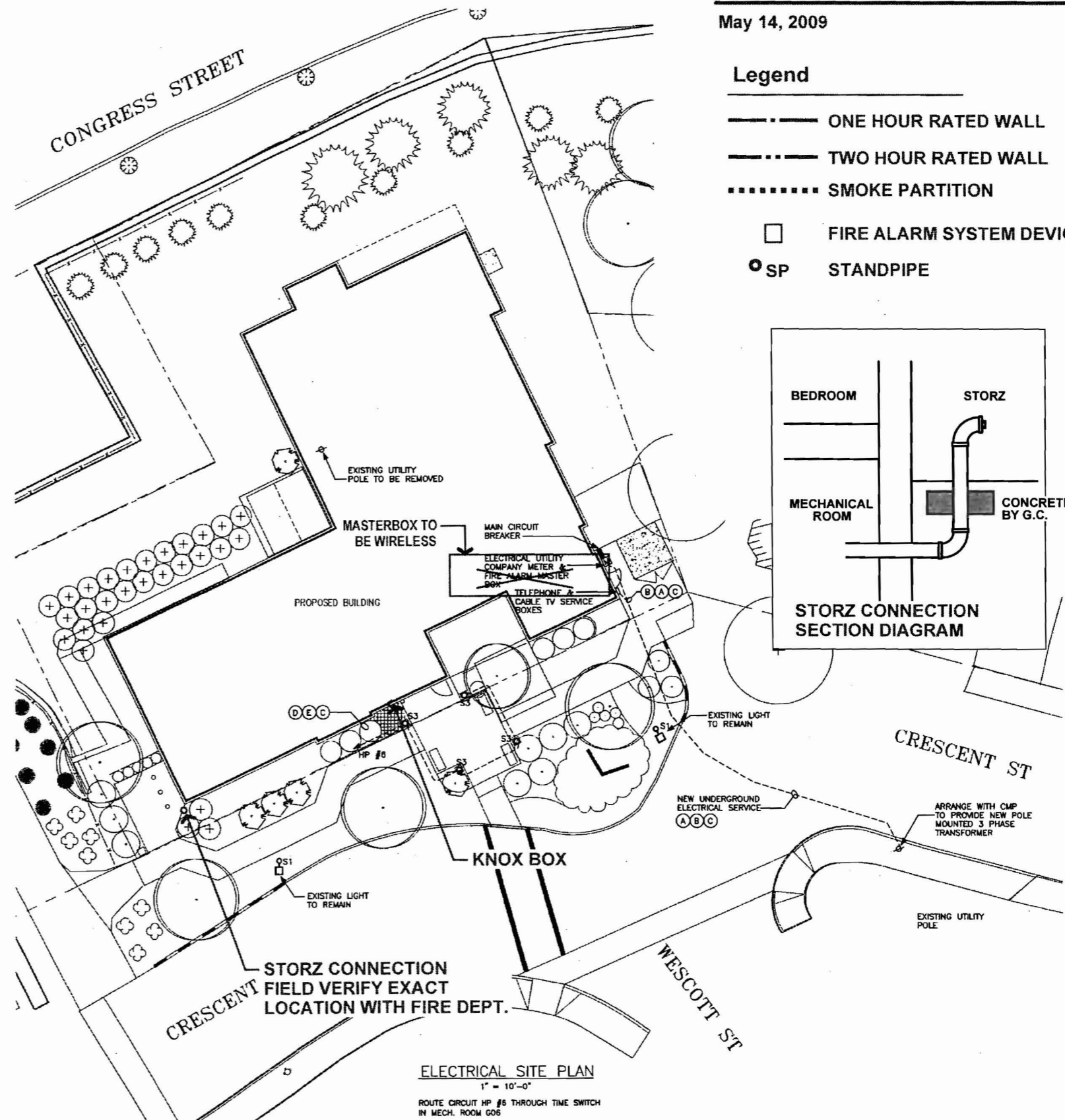


ELECTRICAL SYMBOLS

PLAN SYMBOLS		SINGLE LINE DIAGRAM SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	125V, 20A, DUPLEX GROUNDED RECEPTACLE GF1 = Ground Fault Type WP = Weatherproof AC = Mount 6" Above Sink or Counter		Ampere Frame Rating (3 poles Except as Noted Otherwise)
	125V, 20A, QUAD GROUNDED RECEPTACLE		Ampere Trip Rating
	250V, SINGLE GROUNDED RECEPTACLE		ELECTRICAL CONNECTION
	Ampere Rating		GROUND CONNECTION
	TELEPHONE OUTLET (WALL MTD.)		EQUIPMENT ENCLOSURE
	CABLE TELEVISION OUTLET		TRANSFORMER
	PHOTOCELL		UNFUSED SWITCH No. of Poles Ampere Rating
	MOTION DETECTOR		UTILITY CO. SERVICE METER
	MANUAL MOTOR SWITCH		
	FIRE ALARM SMOKE DETECTOR Indicates Localized Smoke Detector		
	FIRE ALARM AUDIO VISUAL		
	FIRE ALARM PULL STATION		
	FIRE ALARM HEAT DETECTOR		
	ELECTRONIC DOOR HOLDER		
	HANDICAP DOOR OPENER		
	JUNCTION BOX		
	CEILING MTD. FLUORESCENT LIGHT FIXTURE Load Center Circuit Number Fixture Designation		
	WALL MOUNTED LIGHT FIXTURE		
	RECESSED/CEILING MOUNTED LIGHT FIXTURE		
	LIGHT/DEVICE SWITCH 3 = Three-Way Type		
	ELECTRIC LOAD CENTER/PANELBOARD		

BUILDING DATA

USE GROUP	NFPA: DORMITORY (CH. 28) IBC: R-2 BOARDING HOUSE (NOT TRANSIENT)
NUMBER OF STORIES	4
AREA BY FLOOR	G 4,926 GSF 1 4,890 2 4,796 3 4,599 19,211 TOTAL
TOP FLOOR HEIGHT ABOVE CRESCENT STREET	23'
TOP FLOOR HEIGHT ABOVE CONGRESS STREET	67'
CONSTRUCTION TYPE	NFPA: V (111) IBC: V - A
FIRE PROTECTION	NFPA 13 SUPERVISED



Life Safety Plans

May 14, 2009

Legend

- ONE HOUR RATED WALL
- TWO HOUR RATED WALL
- SMOKE PARTITION
- FIRE ALARM SYSTEM DEVICE
- SP STANDPIPE

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

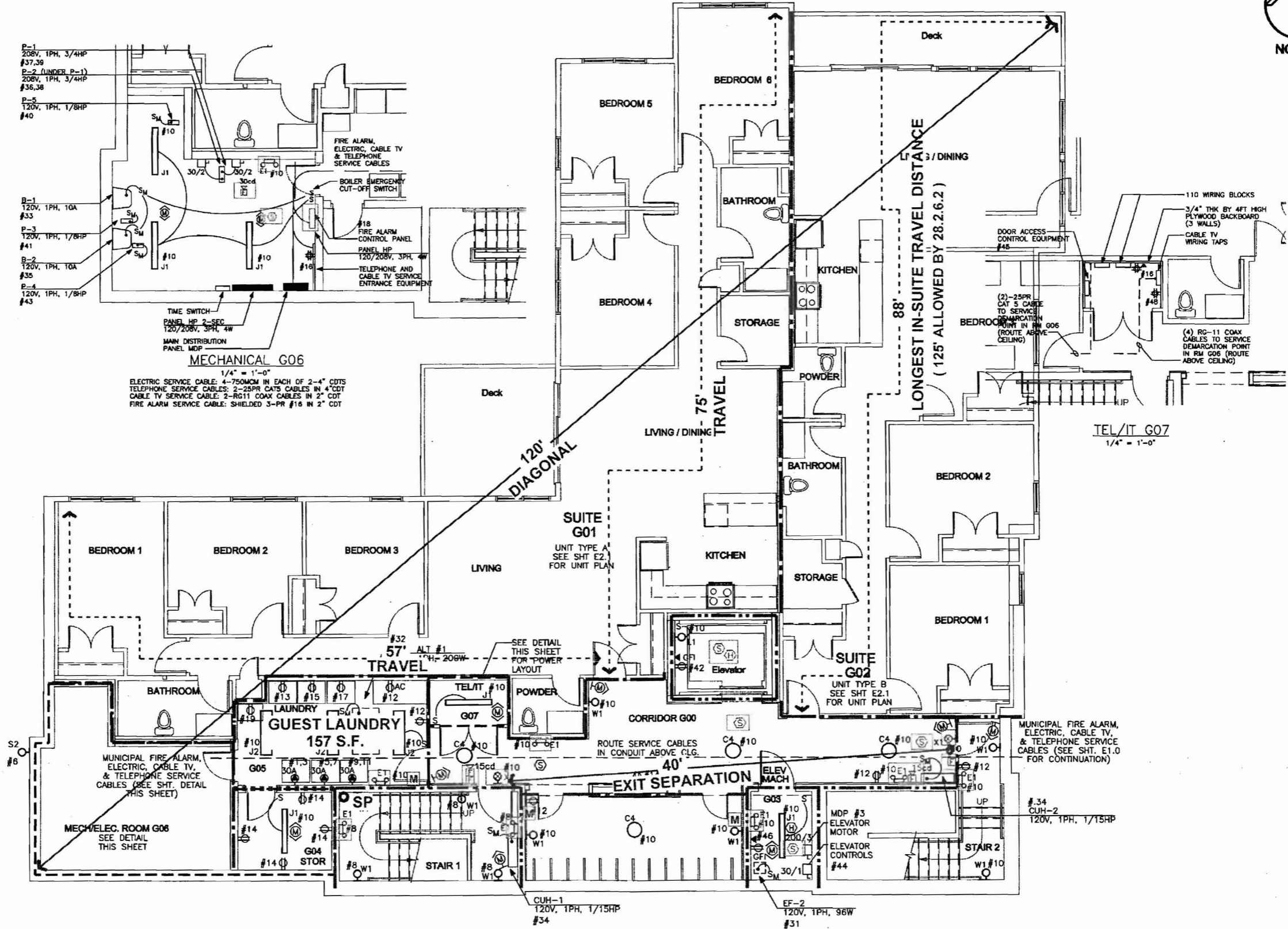
ELECTRICAL
SITE PLAN

FC 1

ELECTRICAL SITE PLAN

1" = 10'-0"

ROUTE CIRCUIT HP #6 THROUGH TIME SWITCH
IN MECH. ROOM G06



GROUND FLOOR PLAN

ROUTE CIRCUIT HP #6 THROUGH TIME SWITCH IN MECH. ROOM G06

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuz-Hoffman Associates, Inc.

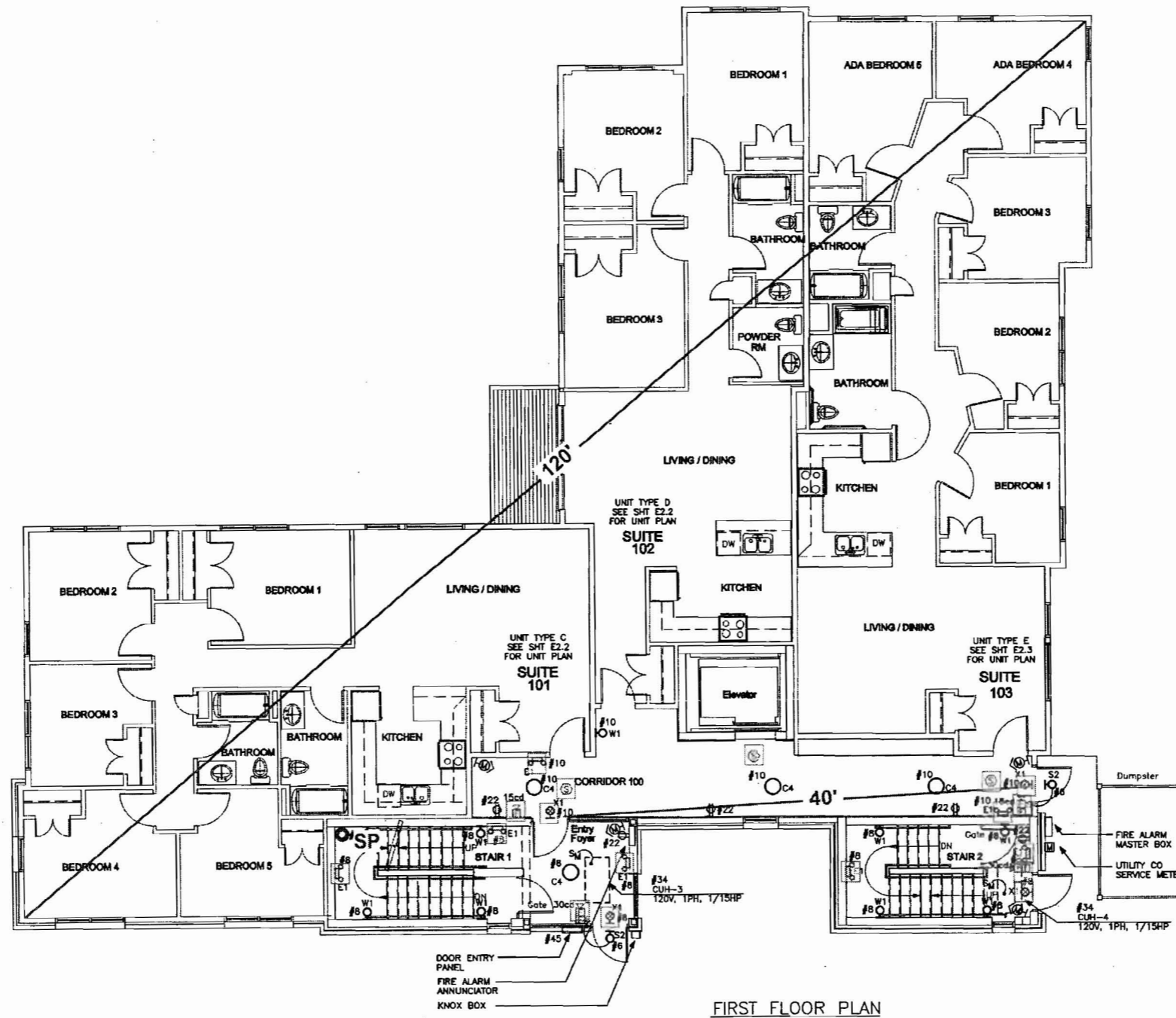
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

GROUND FLOOR PLAN

FC 2



FIRST FLOOR PLAN

ROUTE CIRCUIT HP #8 THROUGH TIME SWITCH
IN MECH. ROOM G06

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscaps / Civil Engineer
DeLuca-Hoffman
Associates, Inc.

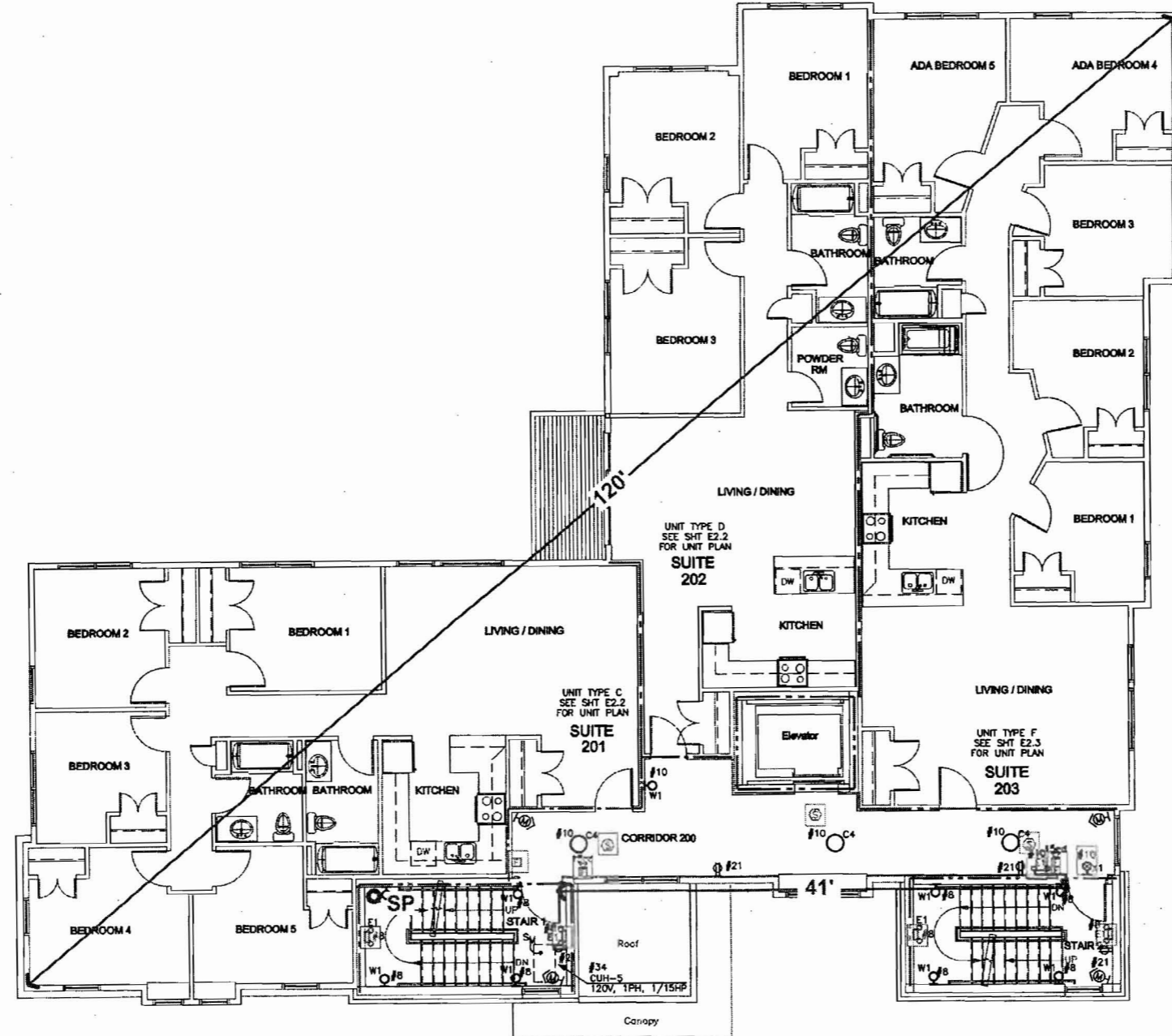
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

FIRST FLOOR
PLAN

FC 3



SECOND FLOOR PLAN

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hollman
Associates, Inc.

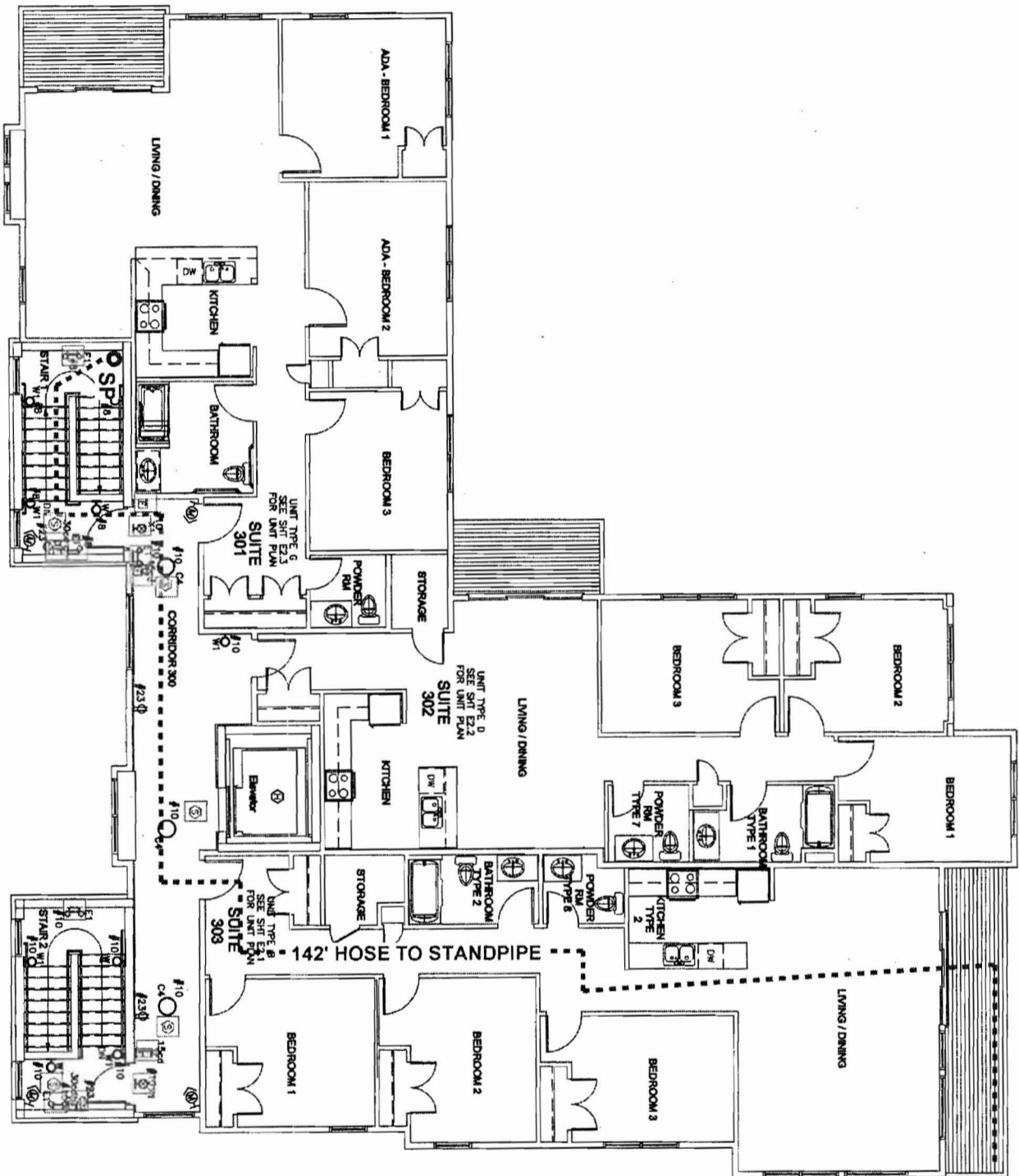
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Bartlett Design

SECOND FLOOR
PLAN

FC 4



THIRD FLOOR PLAN

Crescent Heights Apartment Suites

Portland, Maine

Owner
Crescent Heights LLC

Architect
Whitton Scott Architects

Landscaping/CM/Engineer
DeLuzio-Holtzman
Associates, Inc.

Structural Engineer
Broder Structural Eng.

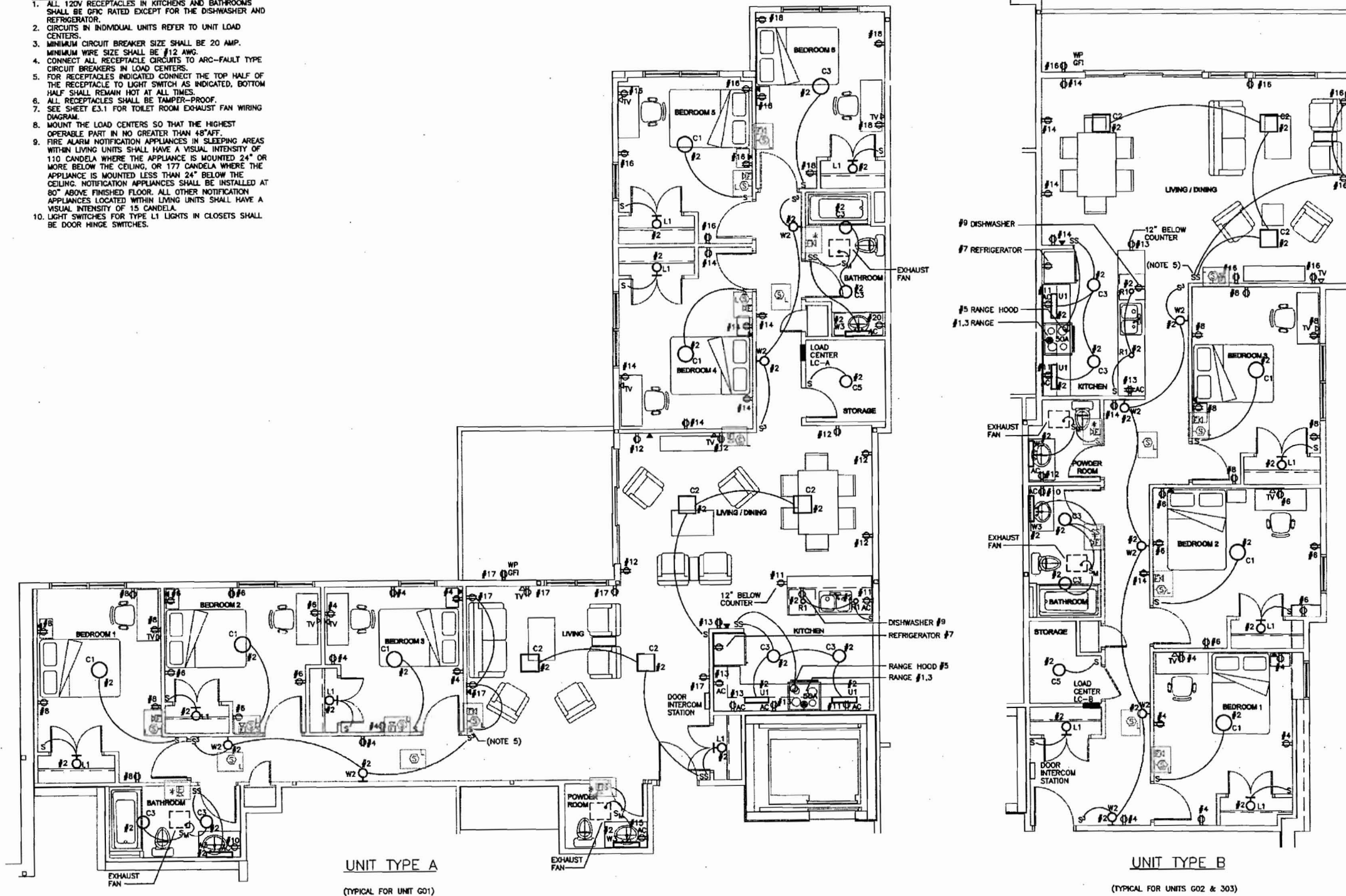
Mechanical Engineer
Mechanical Systems Eng.

Lighting/Electrical Engineer
Burdett Design

THIRD FLOOR
PLAN

FC 5

- NOTES:**
1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP.
 4. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 5. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 6. FOR RECEPTACLES INDICATED CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN HOT AT ALL TIMES.
 7. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 8. SEE SHEET E3.1 FOR TOILET ROOM EXHAUST FAN WIRING DIAGRAM.
 9. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
 10. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 11. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR HINGE SWITCHES.



**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hollman Associates, Inc.

Structural Engineer
Becker Structural Eng.

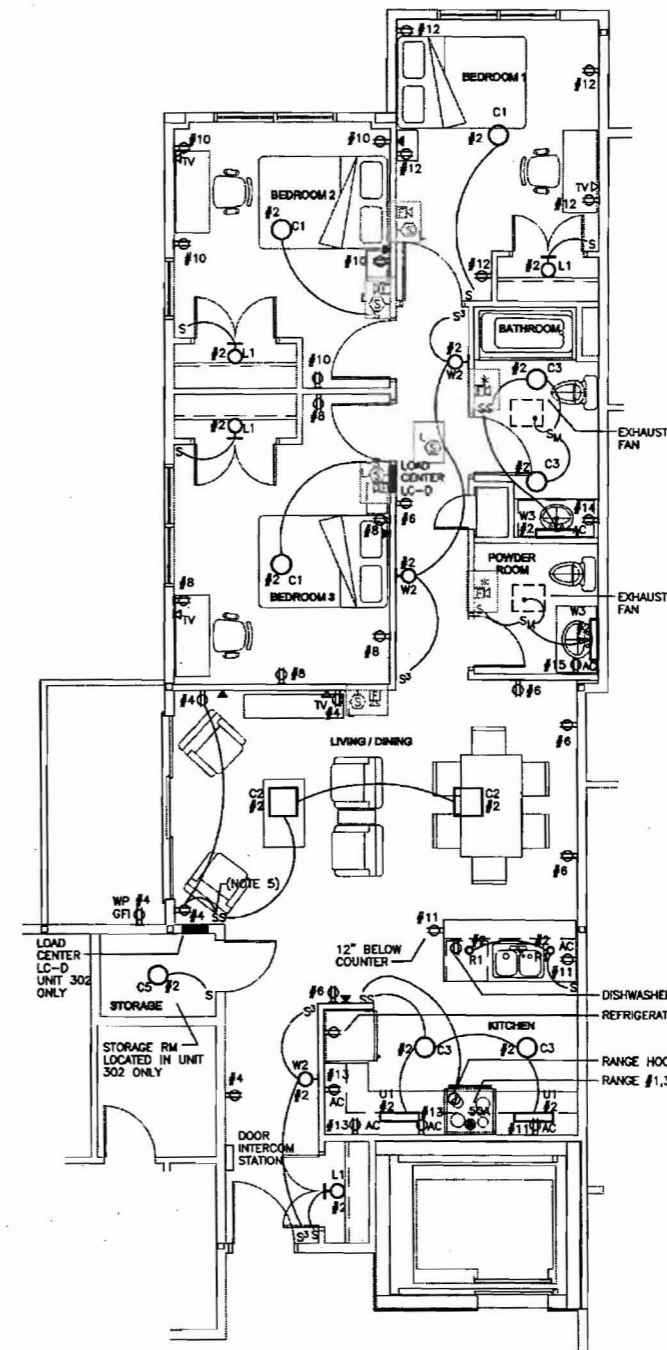
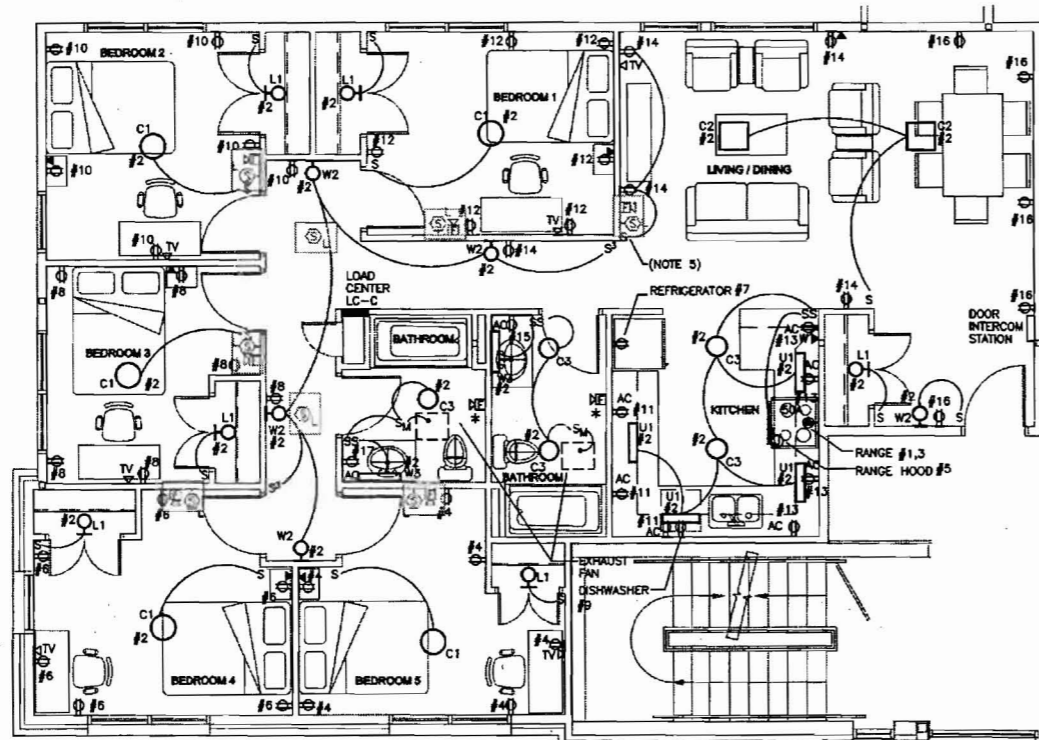
Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Berliff Design

UNIT PLANS
UNIT TYPES
A & B

FC 6

- NOTES:**
1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 4. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 5. FOR RECEPTACLES INDICATED CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN HOT AT ALL TIMES.
 6. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 7. SEE SHEET E3.1 FOR TOILET ROOM EXHAUST FAN WIRING DIAGRAM.
 8. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFT.
 9. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 10. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR-HINGE SWITCHES.



Crescent Heights Apartment Suites

Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

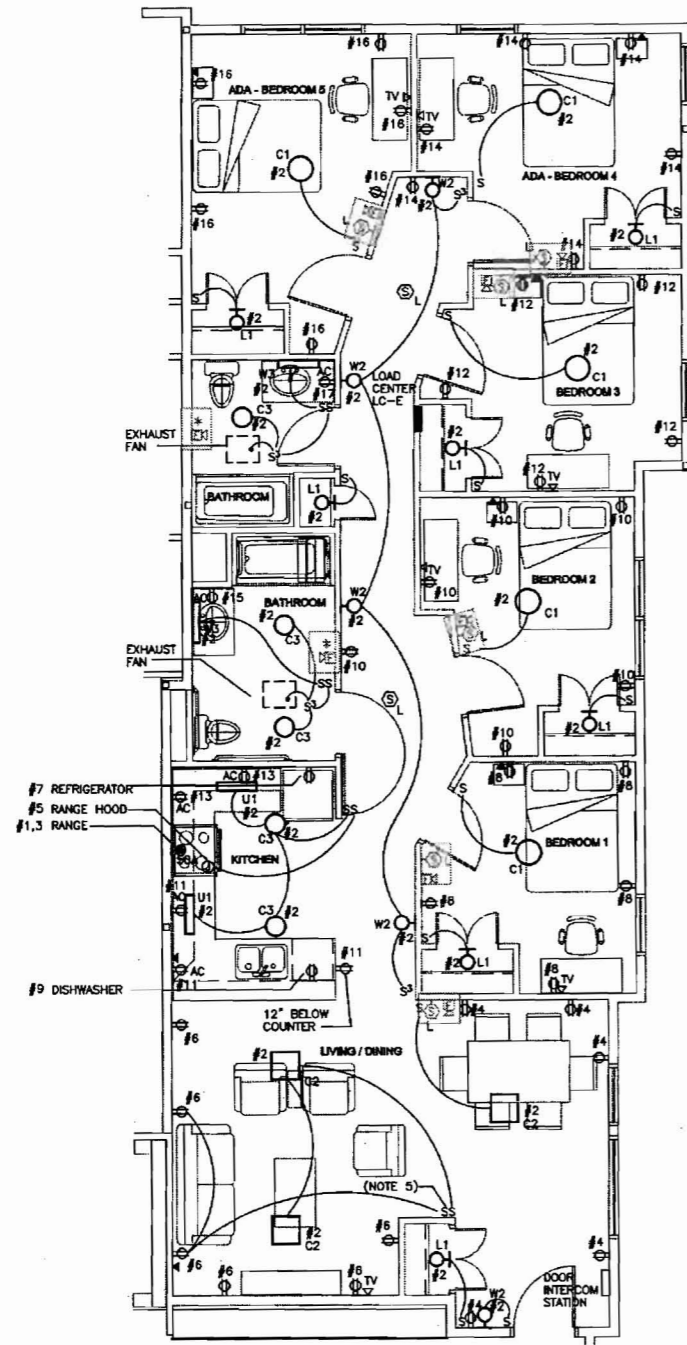
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

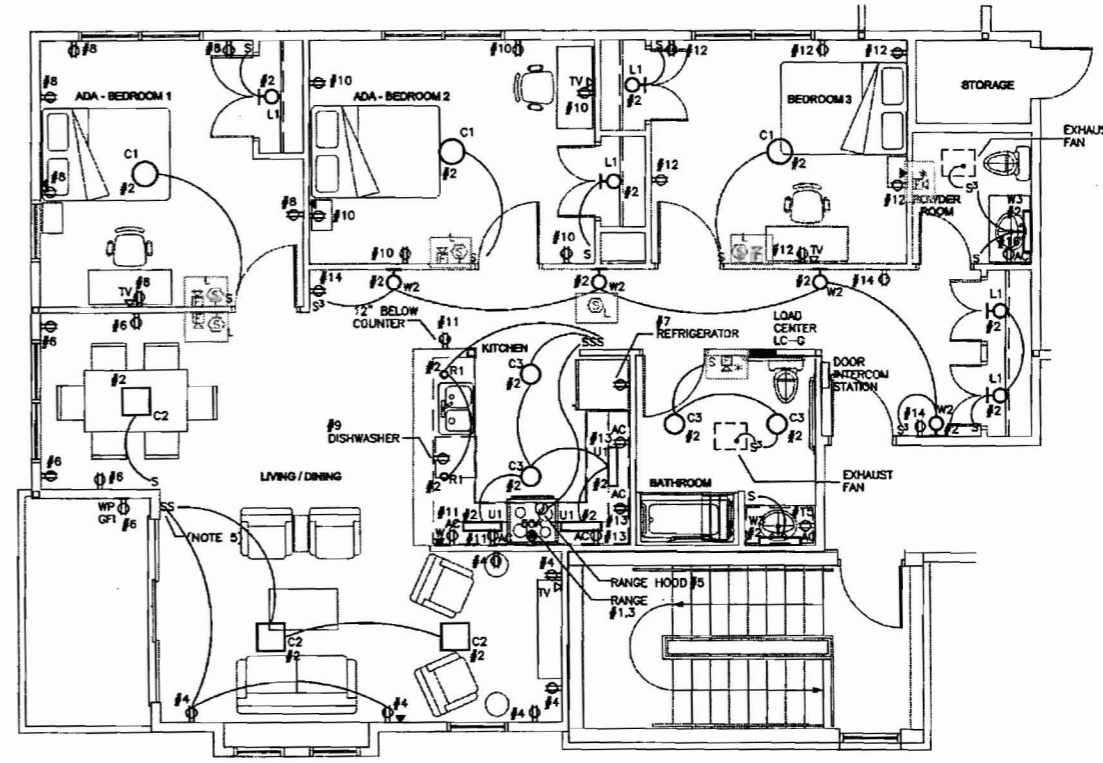
Lighting / Electrical Engineer
Barrett Design

UNIT PLANS
UNIT TYPES
C & D

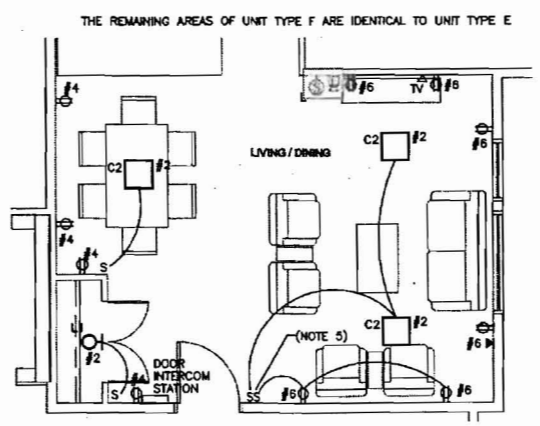
FC 7



UNIT TYPE E
(TYPICAL FOR UNIT 103)



UNIT TYPE G
(TYPICAL FOR UNIT 301)



UNIT TYPE F
(TYPICAL FOR UNIT 203)

- NOTES:
1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 4. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 5. FOR RECEPTACLES INDICATED, CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN HOT AT ALL TIMES.
 6. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 7. SEE SHEET ES.1 FOR EXHAUST FAN WIRING DIAGRAM.
 8. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
 9. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 10. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR-HINGE SWITCHES.

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

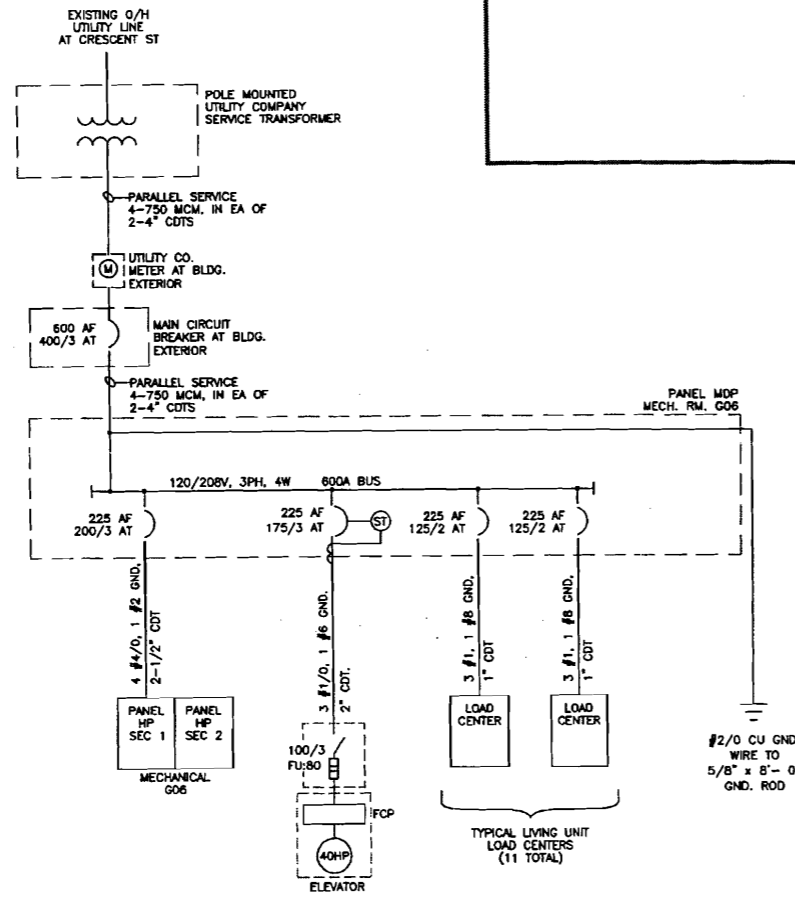
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

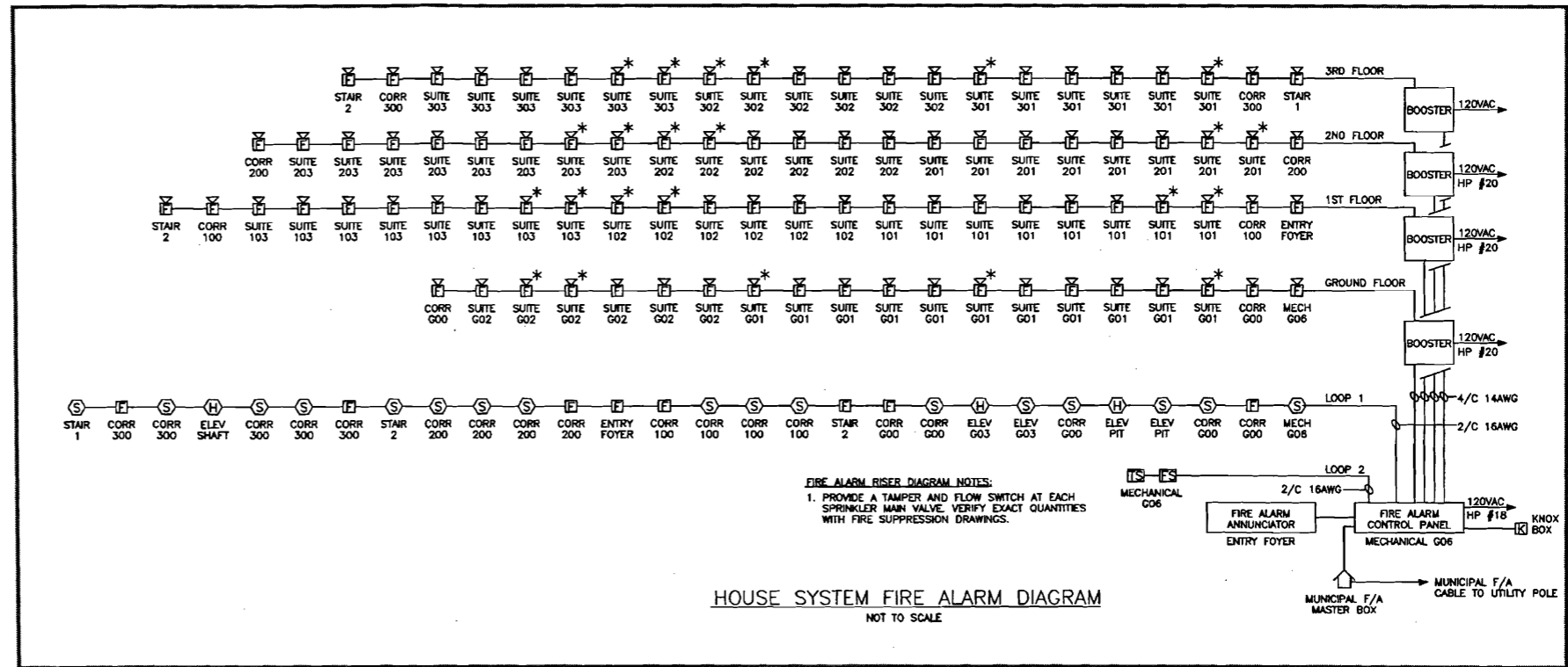
Lighting / Electrical Engineer
Barlett Design

UNIT PLANS
UNIT TYPES
E, F & G

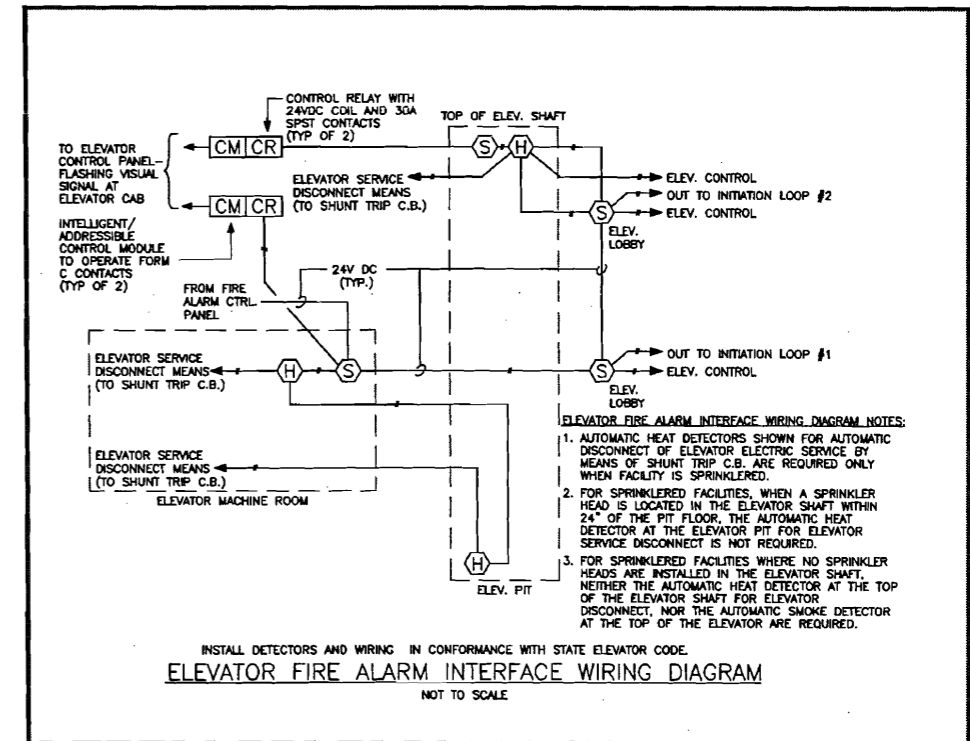
FC 8



SINGLE LINE RISER DIAGRAM
NOT TO SCALE



HOUSE SYSTEM FIRE ALARM DIAGRAM
NOT TO SCALE



ELEVATOR FIRE ALARM INTERFACE WIRING DIAGRAM
NOT TO SCALE

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Berthel Design

DETAIL SHEETS
ELECTRICAL
DIAGRAMS

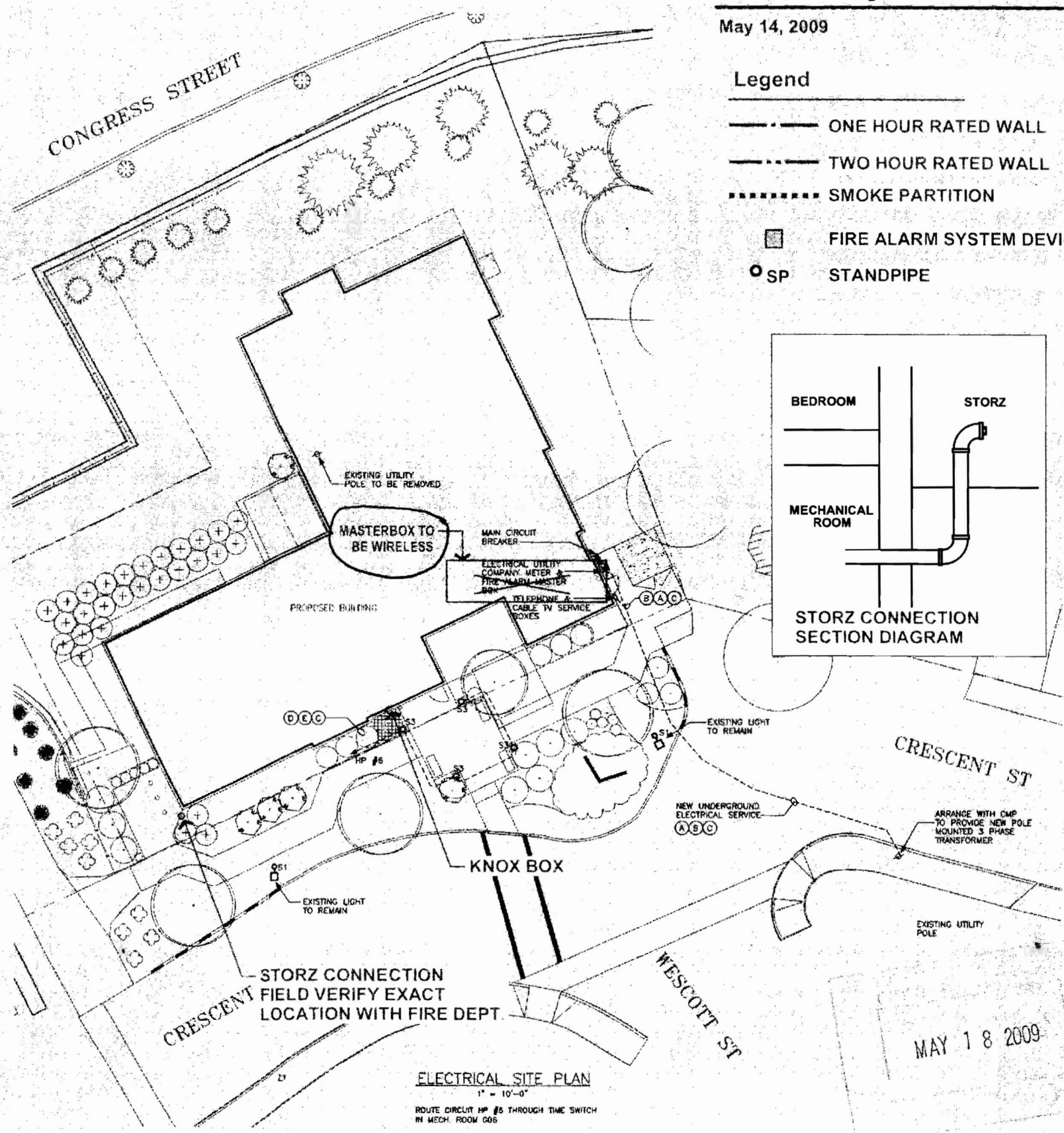
FC 9

53-9-3
25 Crescent

ELECTRICAL SYMBOLS

PLAN SYMBOLS		SINGLE LINE DIAGRAM SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	125V, 20A, DUPLEX GROUND RECEPTACLE GF = Ground Fault Type WP = Weatherproof AC = Mount 6" Above Sink or Counter		Ampere Frame Rating (3 poles Except as Noted Otherwise) CIRCUIT BREAKER
	125V, 20A, QUAD GROUND RECEPTACLE		Ampere Trip Rating
	250V, SINGLE GROUND RECEPTACLE		ELECTRICAL CONNECTION
	Amperage Rating		GROUND CONNECTION
	TELEPHONE OUTLET (WALL, MTD.)		EQUIPMENT ENCLOSURE
	CABLE TELEVISION OUTLET		TRANSFORMER
	PHOTOCELL		UNFUSED SWITCH No. of Poles Ampere Rating
	MOTION DETECTOR		UTILITY CO. SERVICE METER
	MANUAL MOTOR SWITCH		
	FIRE ALARM SMOKE DETECTOR Indicates Localized Smoke Detector		
	FIRE ALARM AUDIO VISUAL		
	FIRE ALARM PULL STATION		
	FIRE ALARM HEAT DETECTOR		
	ELECTRONIC DOOR HOLDER		
	HANDICAP DOOR OPENER		
	JUNCTION BOX		
	CEILING MTD. FLUORESCENT LIGHT FIXTURE Load Center Circuit Number Fixture Designation		
	WALL MOUNTED LIGHT FIXTURE		
	RECESSED/CEILING MOUNTED LIGHT FIXTURE		
	LIGHT/DEVICE SWITCH 3 = Three-Way Type		
	ELECTRIC LOAD CENTER/PANELBOARD		

BUILDING DATA			
USE GROUP:	NFPA:	DORMITORY (CH. 28)	
	IBC:	R-2 BOARDING HOUSE (NOT TRANSIENT)	
NUMBER OF STOREYS:	4		
AREA BY FLOOR:	G	4,926	GSF
	1	4,890	
	2	4,796	
	3	4,599	
		19,211	TOTAL
TOP FLOOR HEIGHT ABOVE CRESCENT STREET:	23'		
TOP FLOOR HEIGHT ABOVE CONGRESS STREET:	67'		
CONSTRUCTION TYPE:	NFPA:	V (111)	
	IBC:	V - A	
FIRE PROTECTION:	NFPA 13 SUPERVISED		

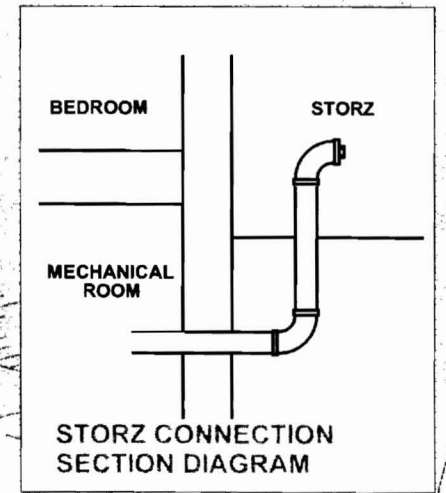


Life Safety Plans

May 14, 2009

Legend

- ONE HOUR RATED WALL
- TWO HOUR RATED WALL
- SMOKE PARTITION
- FIRE ALARM SYSTEM DEVICE
- SP STANDPIPE



**Crescent Heights
Apartment Suites**

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

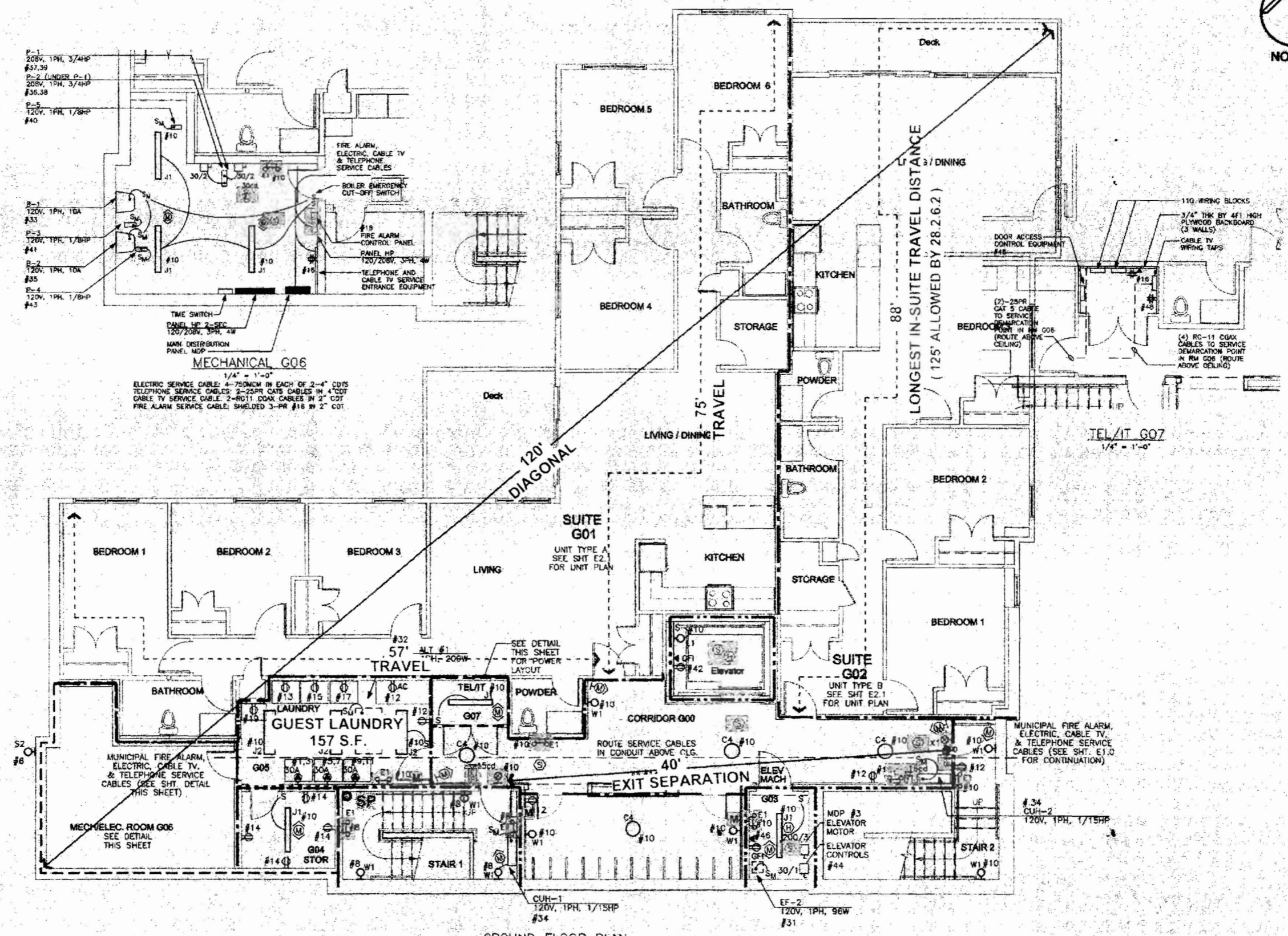
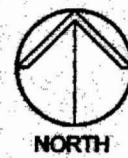
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Berrett Design

**ELECTRICAL
SITE PLAN**

FC 1



GROUND FLOOR PLAN

ROUTE CIRCUIT HP #6 THROUGH TIME SWITCH IN MECH. ROOM G06

Crescent Heights
Apartment Suites
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuce-Holliman
Associates, Inc.

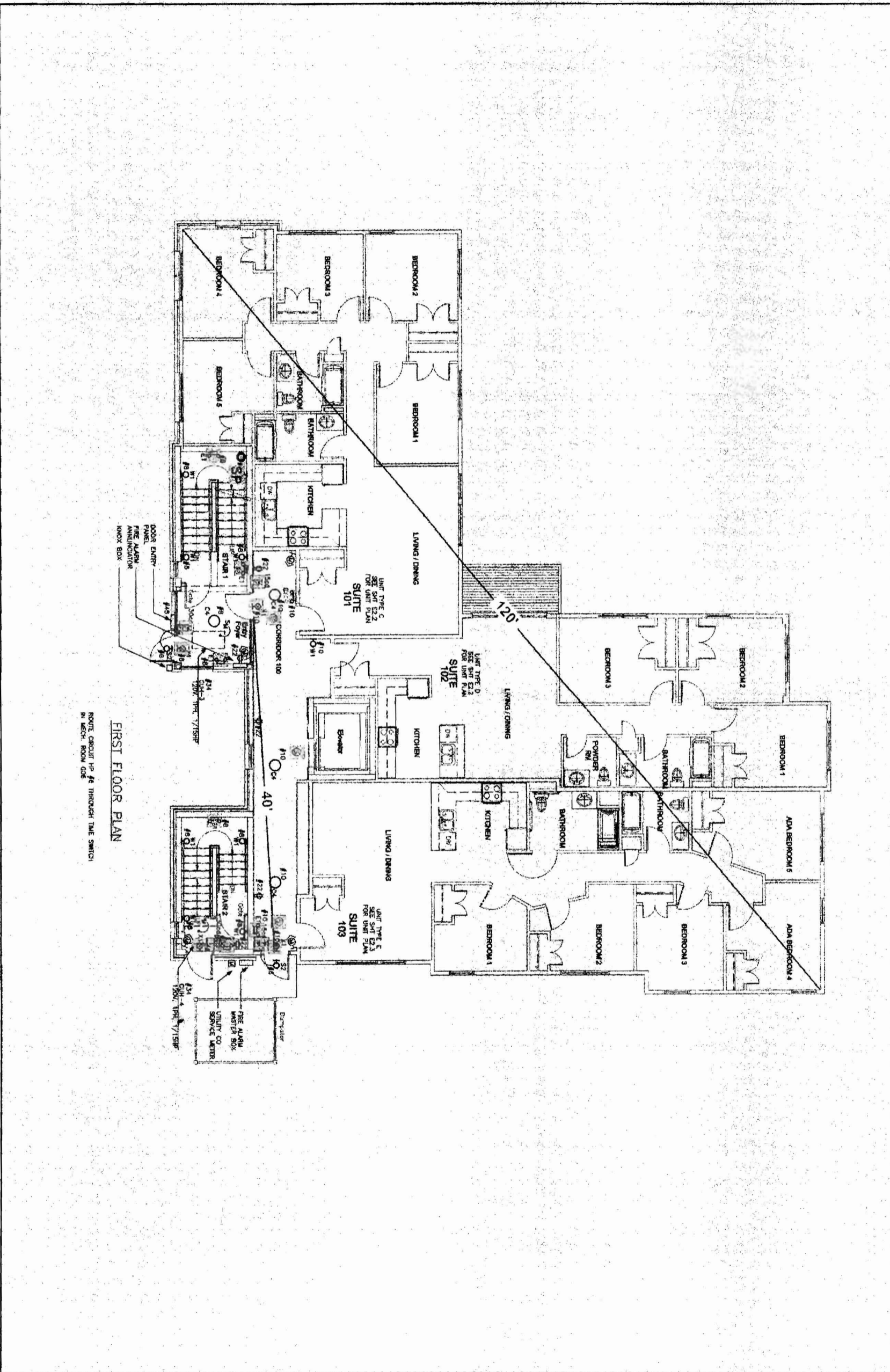
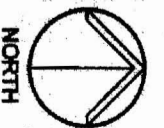
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Safel Design

GROUND FLOOR
PLAN

FC 2



Crescent Heights Apartment Suites

Portland, Maine

Owner
Crescent Heights LLC

Architect
Whitton Scott Architects

Landscaper / Civil Engineer
Dalloua-Helton Associates, Inc.

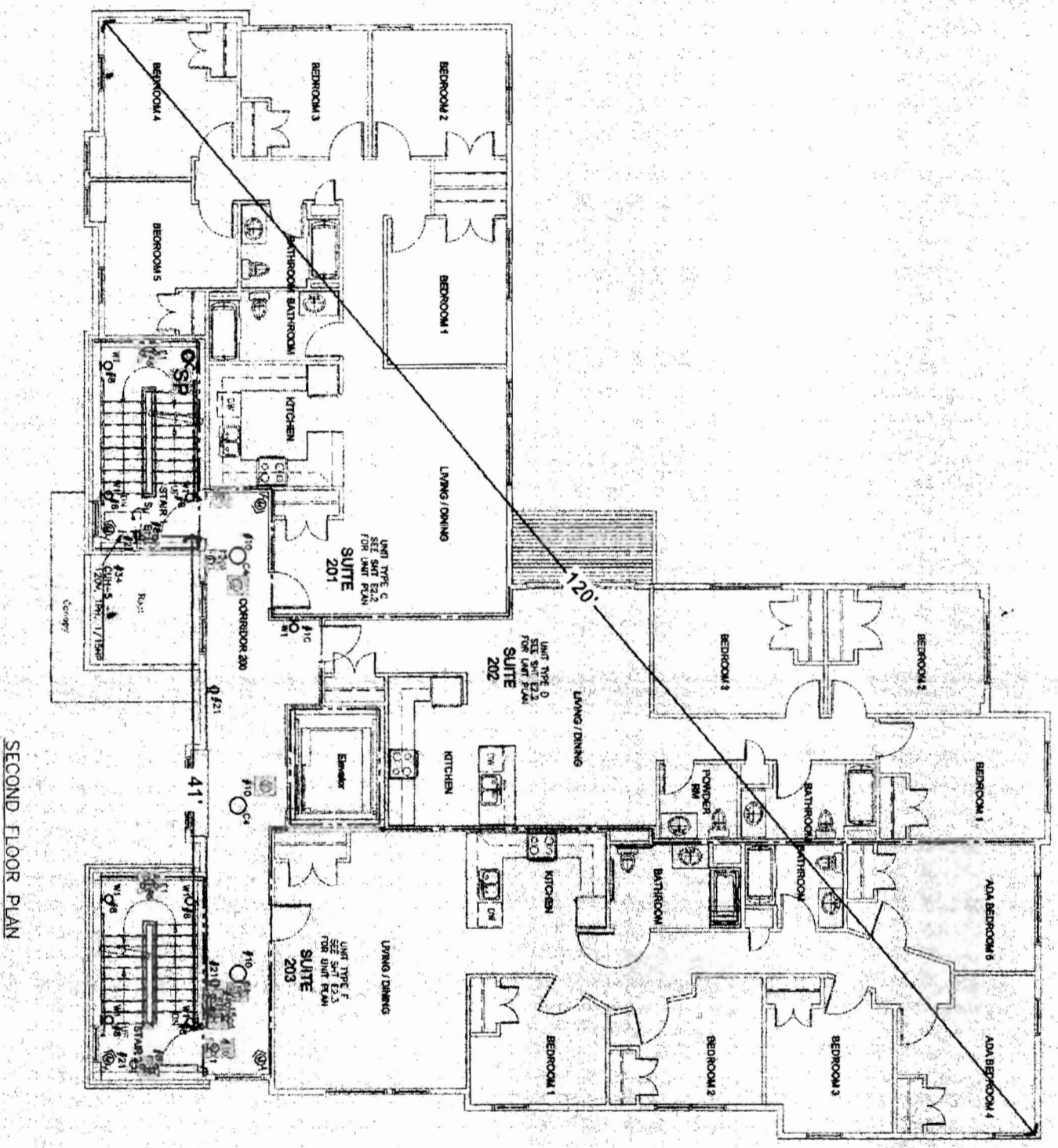
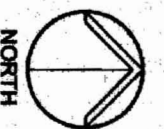
Structural Engineer
Baker-Burdard Inc.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Bisset Design

FIRST FLOOR PLAN

FC 3



SECOND FLOOR PLAN

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Vinson Scott Architects

Landscaper / Civil Engineer
Deluca-Holman Associates, Inc.

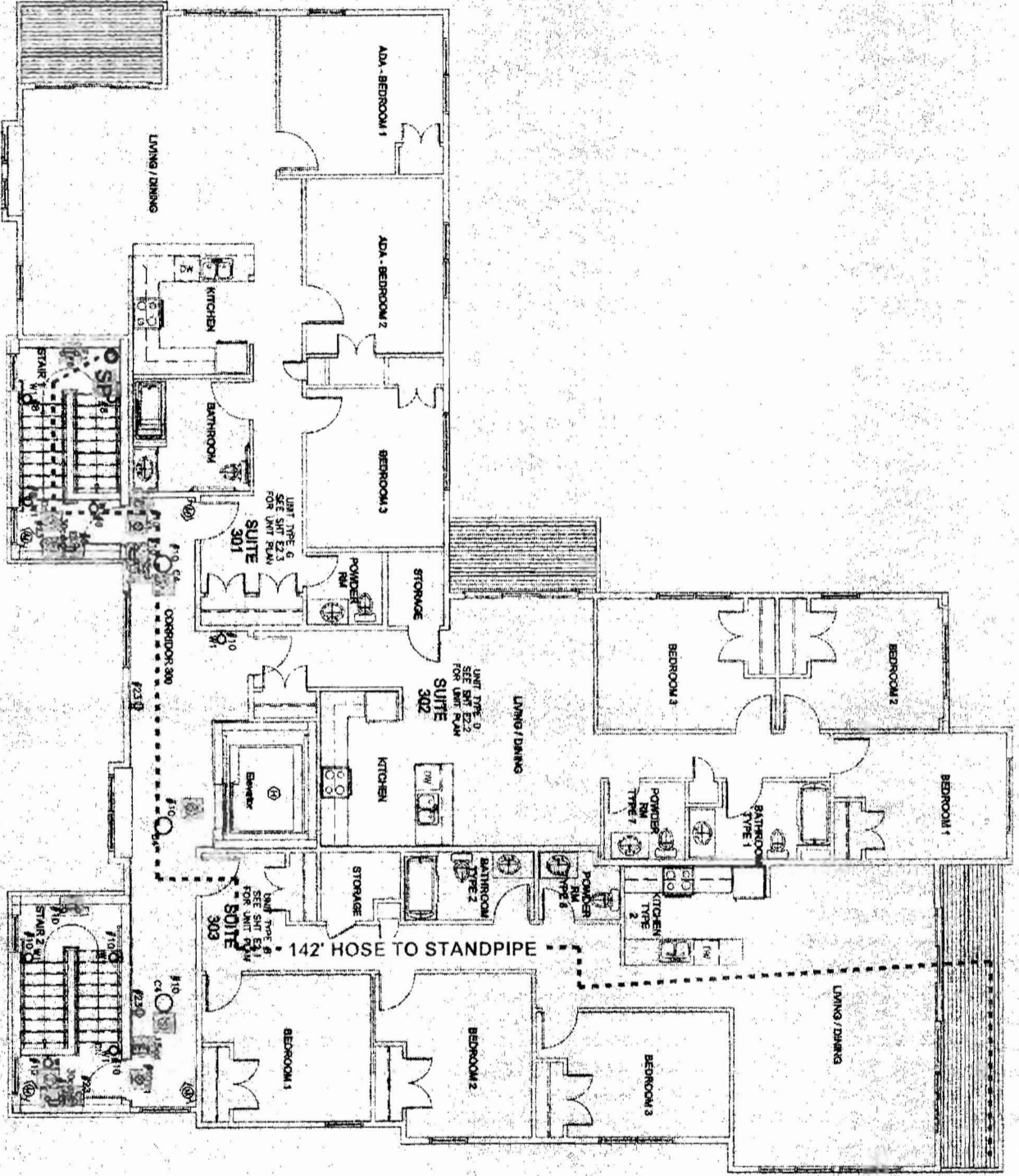
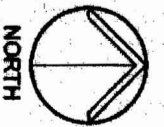
Structural Engineer
Bender Structures, Inc.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barrett Design

SECOND FLOOR
PLAN

FC 4



THIRD FLOOR PLAN

Crescent Heights Apartment Suites

Portland, Maine

OWNER
Crescent Heights LLC

ARCHITECT
Whitson Scott Architects

LANDSCAPE / CIVIL ENGINEER
Dulac-McIntire Associates, Inc.

STRUCTURAL ENGINEER
Becker Structural Eng.

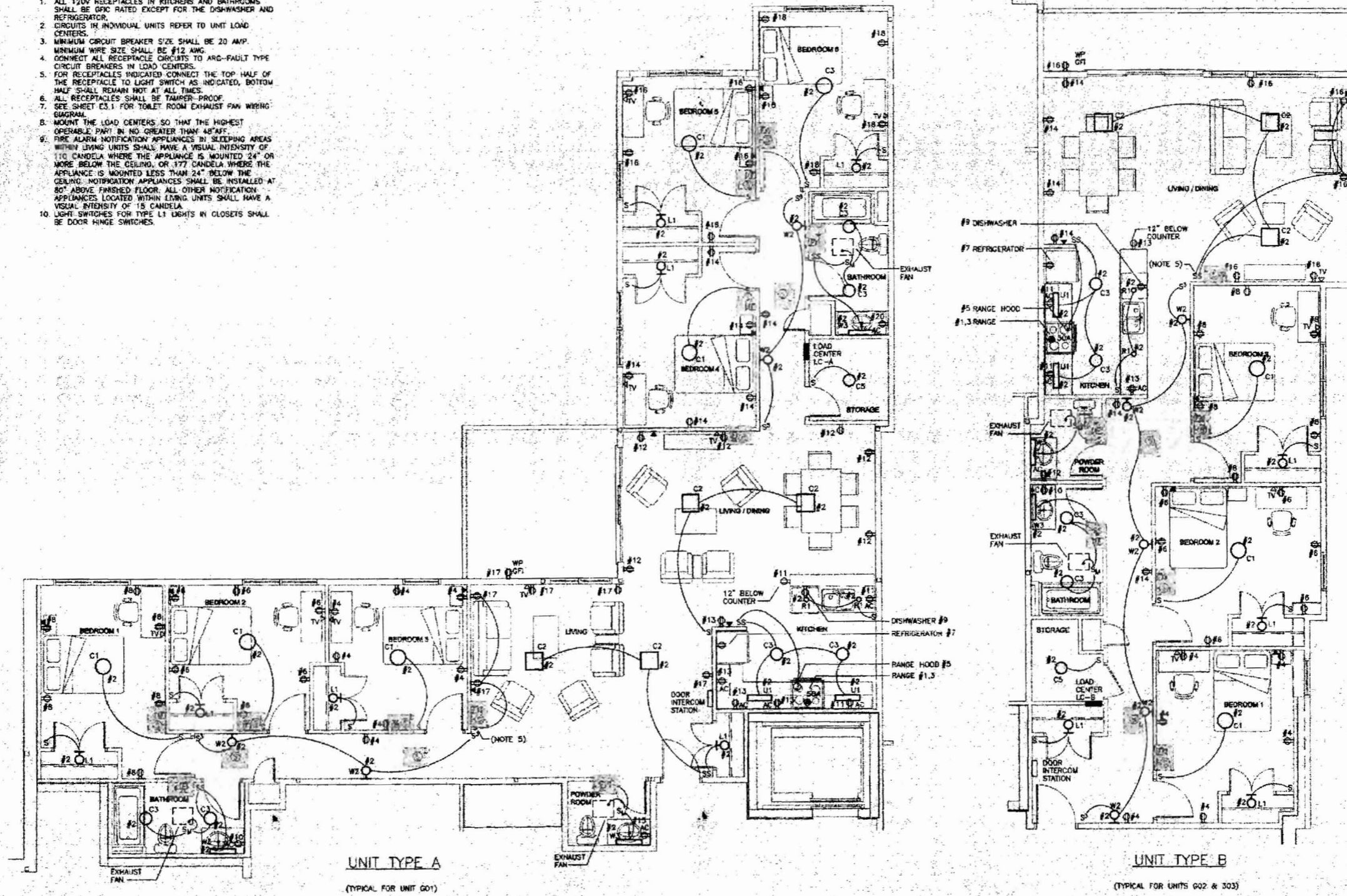
Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barnes Design

THIRD FLOOR
PLAN

FCS 5

- NOTES:**
1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP.
 4. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 5. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 6. FOR RECEPTACLES INDICATED CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN NOT AT ALL TIMES.
 7. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 8. SEE SHEET CS.1 FOR TOILET ROOM EXHAUST FAN WIRING DIAGRAM.
 9. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
 10. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 11. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR HINGE SWITCHES.



Crescent Heights Apartment Suites

Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.

Structural Engineer
Bedler Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

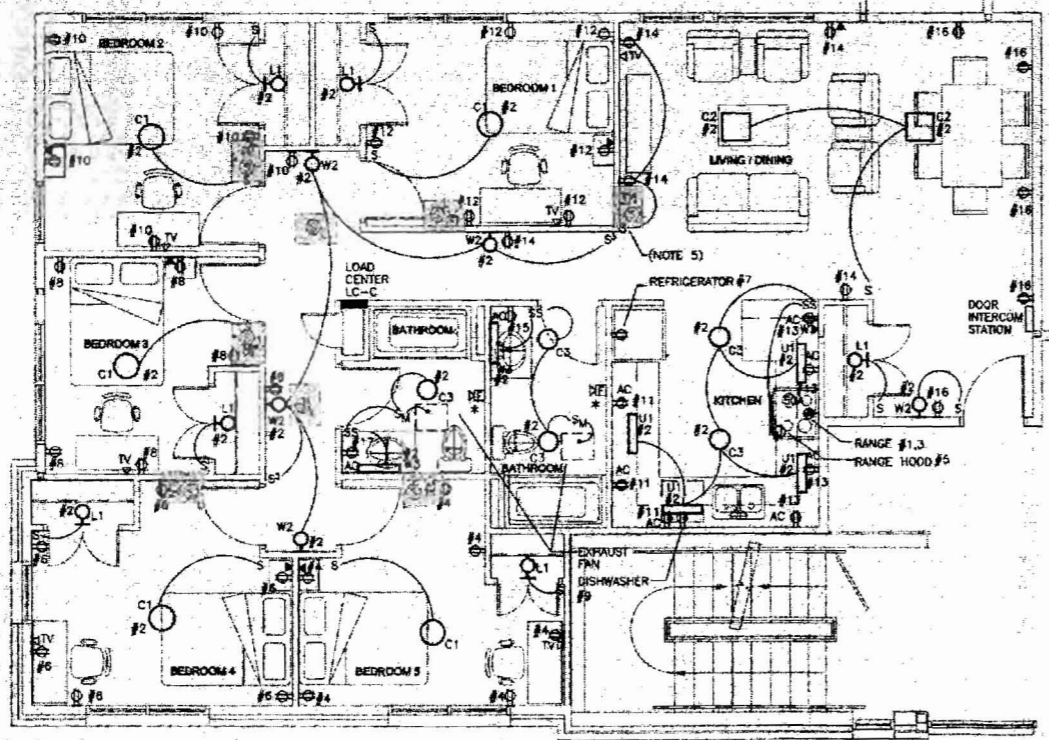
Lighting / Electrical Engineer
Barrett Design

UNIT PLANS
UNIT TYPES
A & B

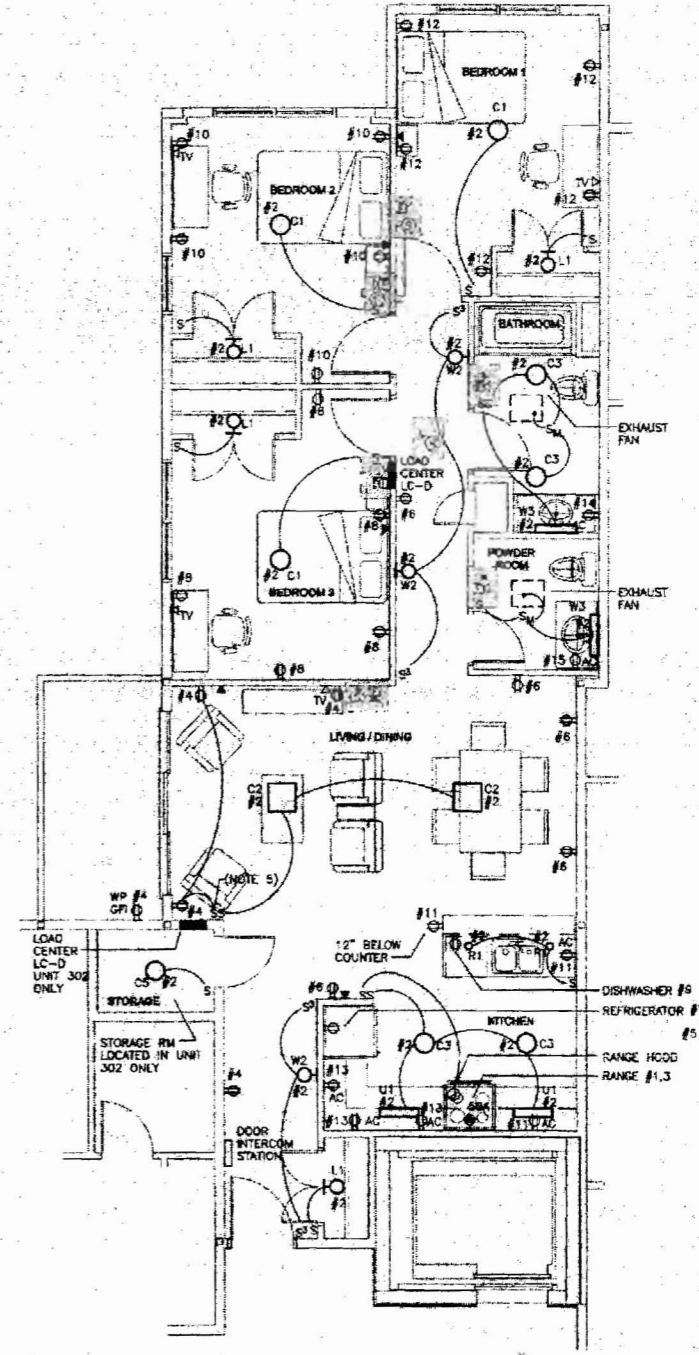
FC 6

NOTES:

1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP.
4. MINIMUM WIRE SIZE SHALL BE #12 AWG.
5. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
6. FOR RECEPTACLES INDICATED CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED. BOTTOM HALF SHALL REMAIN NOT AT ALL TIMES.
7. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
8. SEE SHEET E3.1 FOR TOILET ROOM EXHAUST FAN WIRING DIAGRAM.
9. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
10. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
11. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR-HINGE SWITCHES.



UNIT TYPE C
(TYPICAL FOR UNITS 101 & 201)



UNIT TYPE D
(TYPICAL FOR UNITS 102, 202 & 302)

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscapes / Civil Engineer
DeLuca-Hollman Associates, Inc.

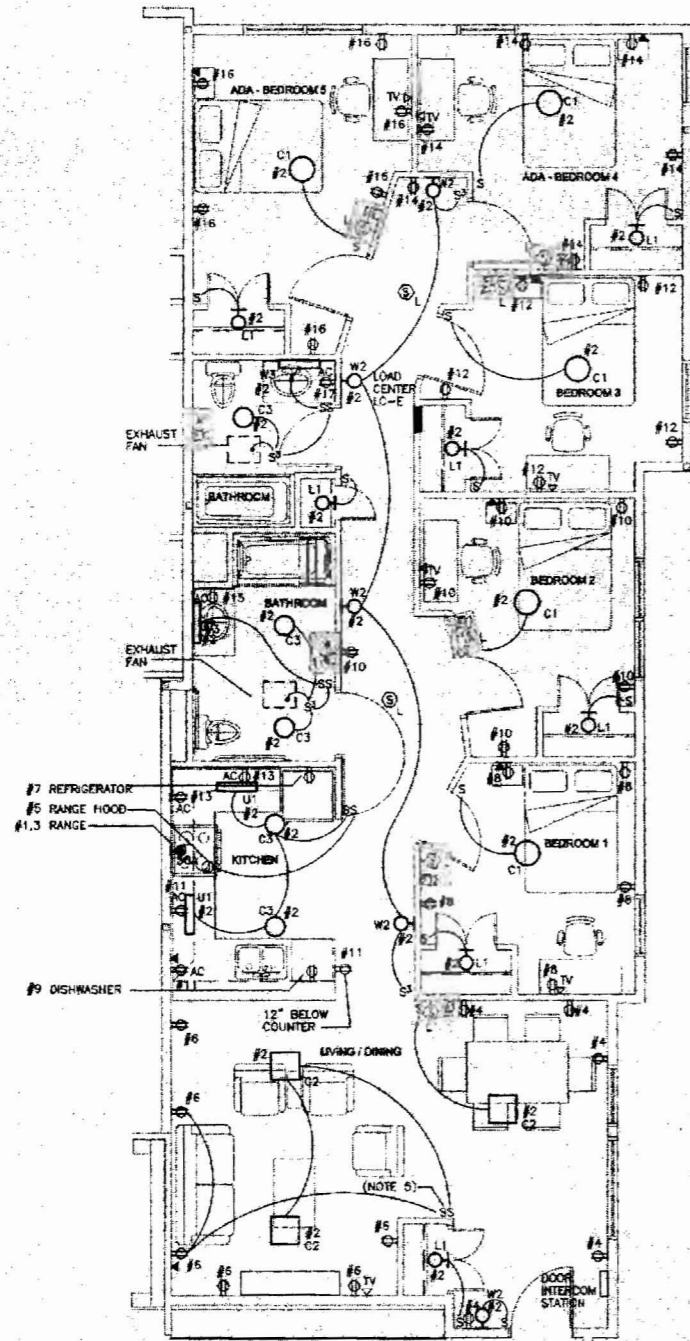
Structural Engineer
Becker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

Lighting / Electrical Engineer
Barlett Design

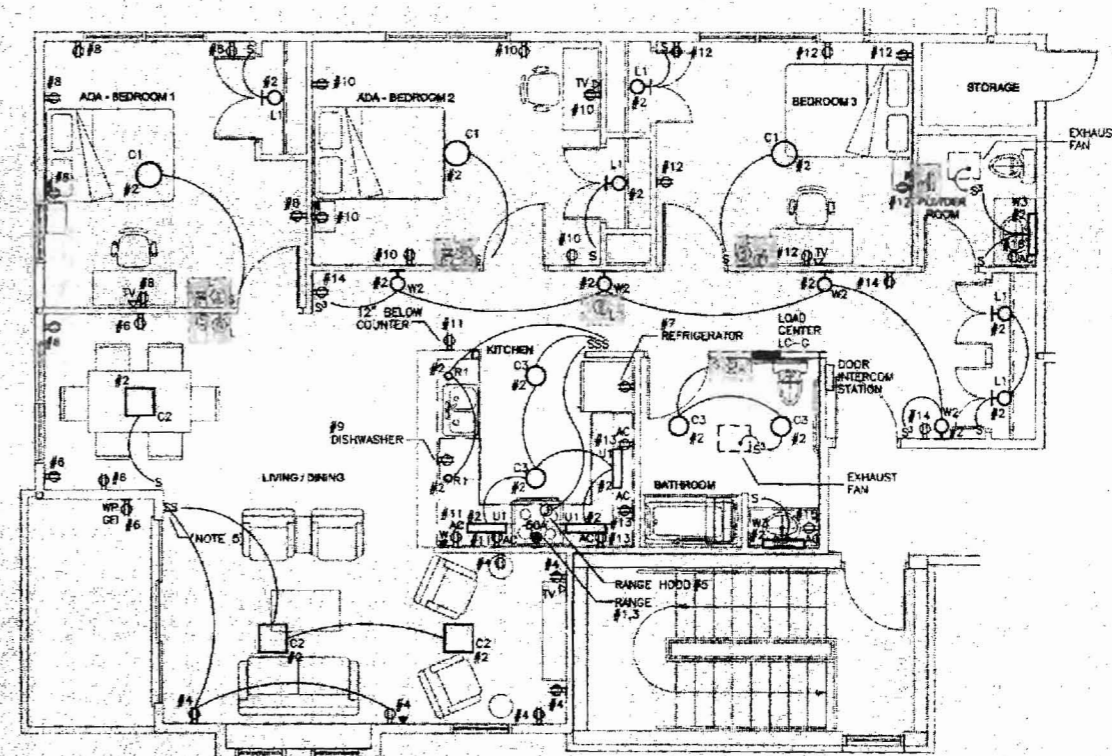
UNIT PLANS
UNIT TYPES
C & D

FC 7



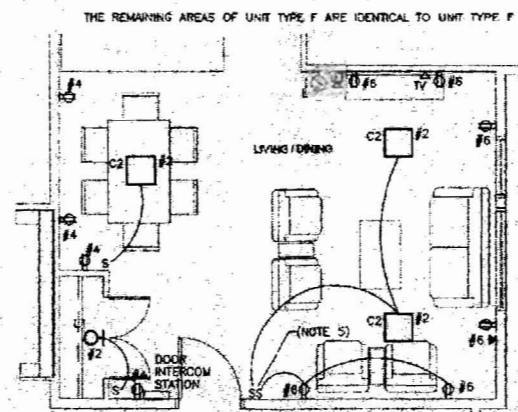
UNIT TYPE E

(TYPICAL FOR UNIT 103)



UNIT TYPE G

(TYPICAL FOR UNIT 301)



UNIT TYPE F

(TYPICAL FOR UNIT 203)

- NOTES:
1. ALL 120V RECEPTACLES IN KITCHENS AND BATHROOMS SHALL BE GFCI RATED EXCEPT FOR THE DISHWASHER AND REFRIGERATOR.
 2. CIRCUITS IN INDIVIDUAL UNITS REFER TO UNIT LOAD CENTERS.
 3. MINIMUM CIRCUIT BREAKER SIZE SHALL BE 20 AMP. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 4. CONNECT ALL RECEPTACLE CIRCUITS TO ARC-FAULT TYPE CIRCUIT BREAKERS IN LOAD CENTERS.
 5. FOR RECEPTACLES INDICATED, CONNECT THE TOP HALF OF THE RECEPTACLE TO LIGHT SWITCH AS INDICATED, BOTTOM HALF SHALL REMAIN HOT AT ALL TIMES.
 6. ALL RECEPTACLES SHALL BE TAMPER-PROOF.
 7. SEE SHEET E3.1 FOR EXHAUST FAN WIRING DIAGRAM.
 8. MOUNT THE LOAD CENTERS SO THAT THE HIGHEST OPERABLE PART IS NO GREATER THAN 48" AFF.
 9. FIRE ALARM NOTIFICATION APPLIANCES IN SLEEPING AREAS WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 110 CANDELA WHERE THE APPLIANCE IS MOUNTED 24" OR MORE BELOW THE CEILING, OR 177 CANDELA WHERE THE APPLIANCE IS MOUNTED LESS THAN 24" BELOW THE CEILING. NOTIFICATION APPLIANCES SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR. ALL OTHER NOTIFICATION APPLIANCES LOCATED WITHIN LIVING UNITS SHALL HAVE A VISUAL INTENSITY OF 15 CANDELA.
 10. LIGHT SWITCHES FOR TYPE L1 LIGHTS IN CLOSETS SHALL BE DOOR-HINGE SWITCHES.

**Crescent Heights
Apartment Suites**
Portland, Maine

Owner
Crescent Heights LLC

Architect
Winton Scott Architects

Landscape / Civil Engineer
DeLuca-Hoffman
Associates, Inc.

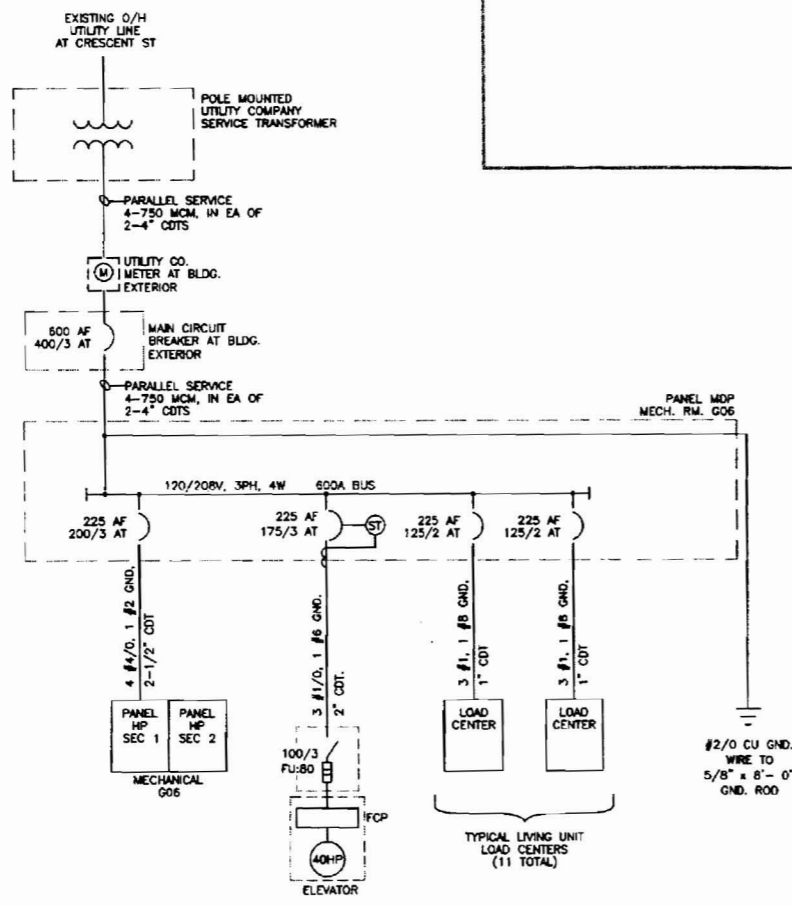
Structural Engineer
Baker Structural Eng.

Mechanical Engineer
Mechanical Systems Eng.

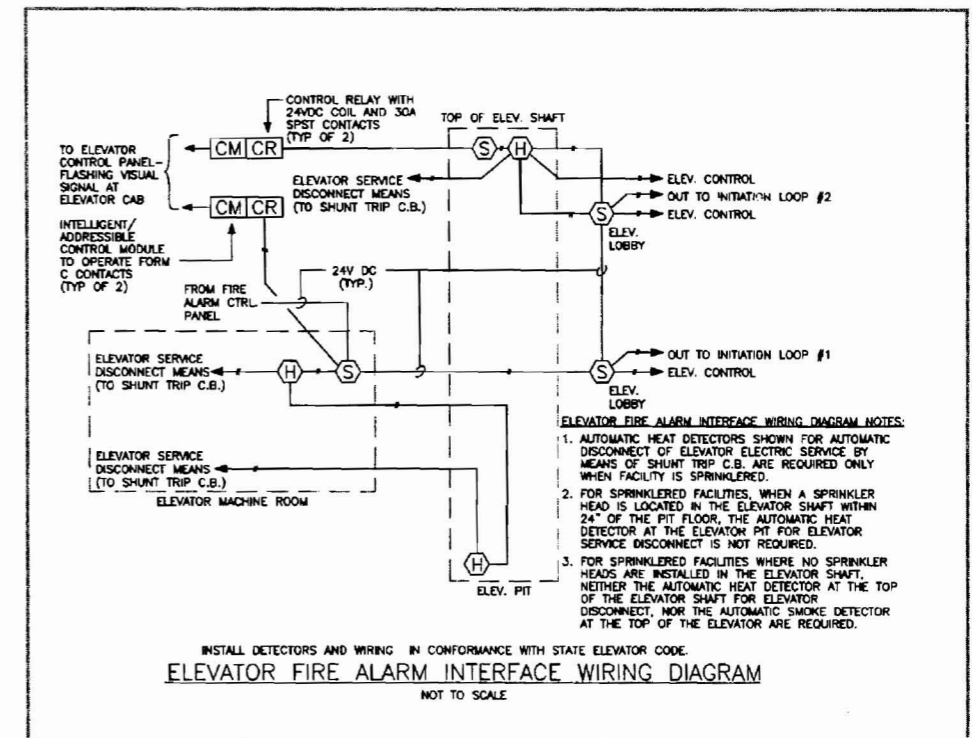
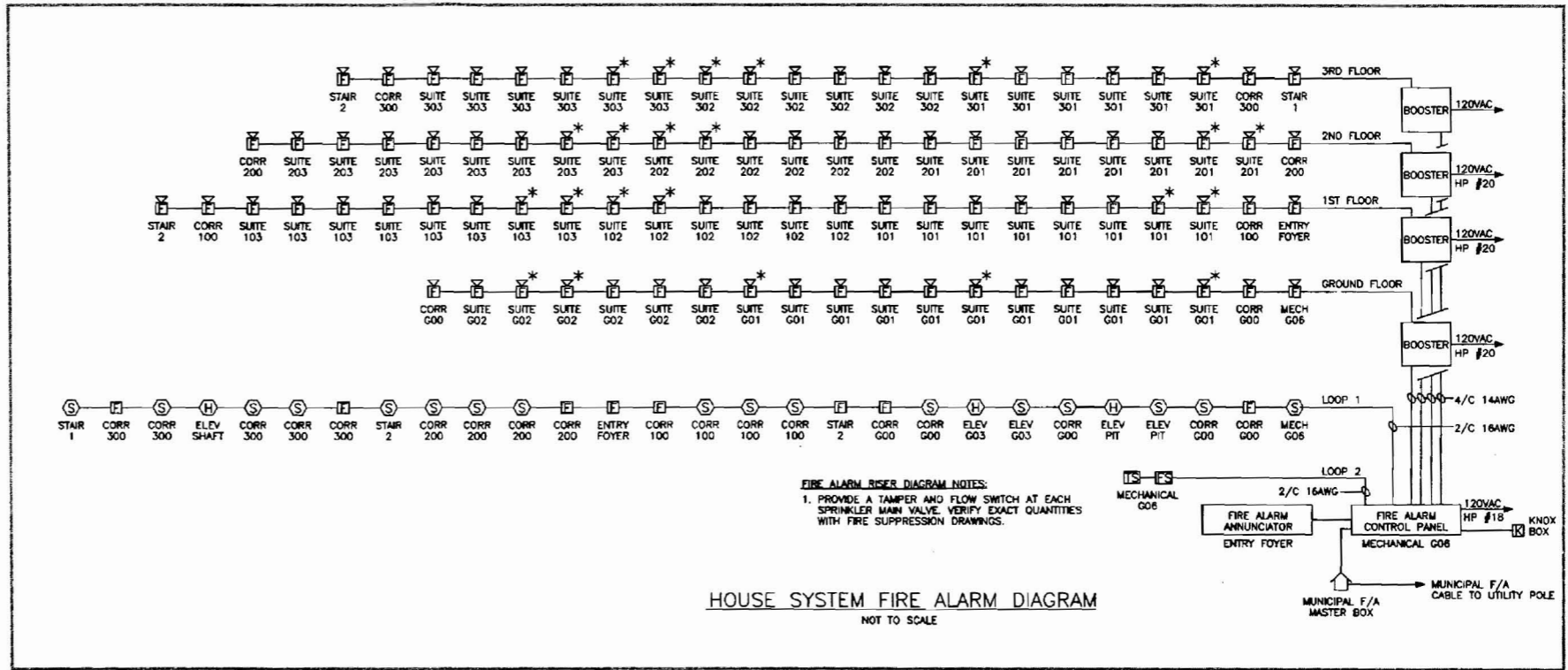
Lighting / Electrical Engineer
Berlitz Design

UNIT PLANS
UNIT TYPES
E, F & G

FC 8



SINGLE LINE RISER DIAGRAM
NOT TO SCALE



Crescent Heights
Apartment Suites
Portland, Maine

Owner
Crescent Heights LLC
Architect
Wilson Scott Architects
Landscape / Civil Engineer
DeLuca-Hoffman Associates, Inc.
Structural Engineer
Becker Structural Eng.
Mechanical Engineer
Mechanical Systems Eng.
Lighting / Electrical Engineer
Barlett Design

DETAIL SHEETS
ELECTRICAL
DIAGRAMS
FC 9