

# CUMBERLAND COUNTY FACILITIES DEPARTMENT

## RENOVATIONS FOR DISTRICT ATTORNEY SPACE

### PORTLAND, MAINE

ALLIED PROJECT #12-019

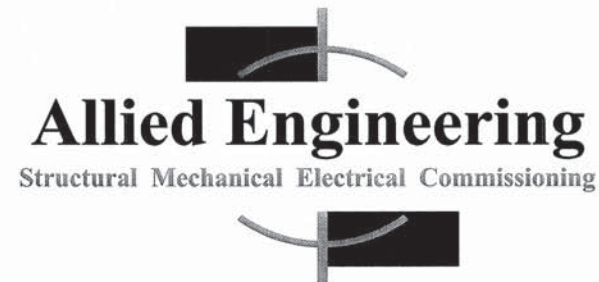


LOCATION MAP

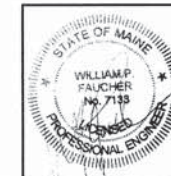
**ISSUED FOR BID  
17 DECEMBER, 2012**

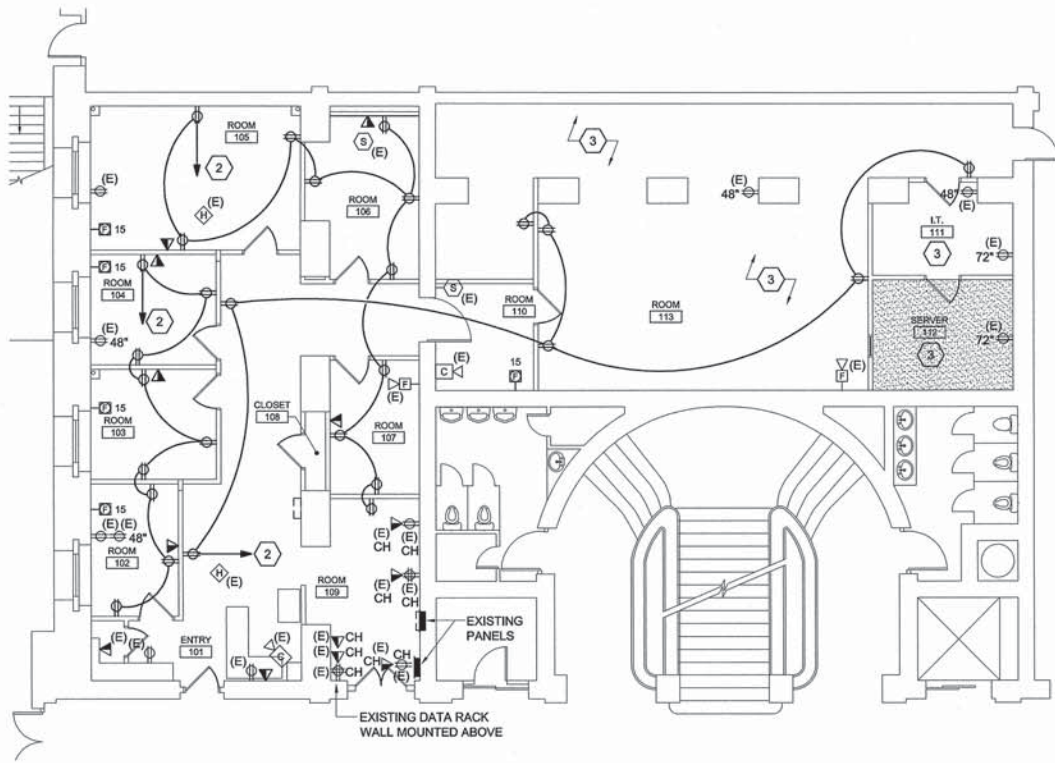
#### DRAWING STATUS LIST

Sht No.	DRAWINGS	SHEET TITLE	ISSUE	
			DESCRIPTION	DATE
		COVER SHEET		12-17-2012
SF-100		FLOOR PLANS AND DETAILS		
ED-100		ELECTRICAL DEMOLITION		
E-100		ELECTRICAL NEW CONDITIONS		



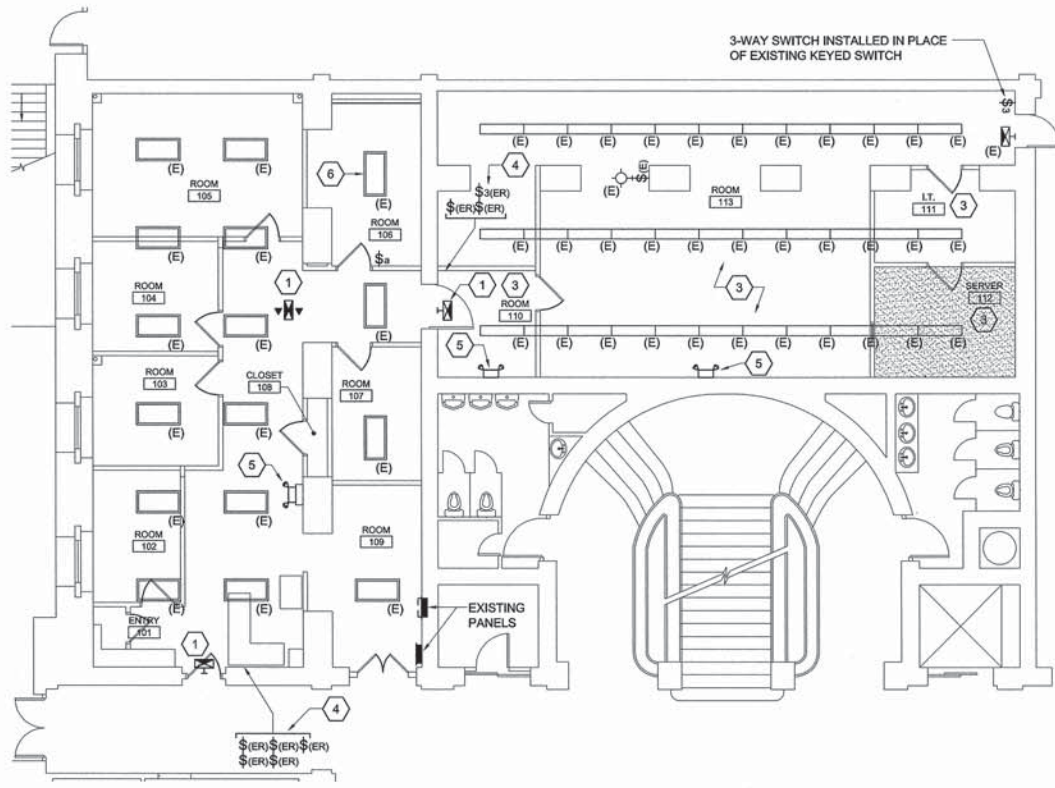
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E1 ELECTRICAL NEW CONDITIONS - POWER

NOT TO SCALE



A1 ELECTRICAL NEW CONDITIONS - LIGHTING

NOT TO SCALE

**ALTERNATE #1:**  
 PROVIDE ALL LABOR AND MATERIALS TO PERFORM ALL ELECTRICAL WORK AS DESCRIBED ON DRAWINGS ED-100 AND E-100 AND IN SPECIFICATION SECTION 261000 BASIC ELECTRICAL REQUIREMENTS, WITH THE EXCEPTION OF ALL TELEPHONE AND DATA CABLING.

**ALTERNATE #2:**  
 PROVIDE ALL TELEPHONE AND DATA CABLING PER DRAWING E-100 AND SPECIFICATION SECTION 261000 BASIC ELECTRICAL REQUIREMENTS.

**NOTE:**  
 REFER TO SPECIFICATION SECTION 012300 ALTERNATES FOR MORE INFORMATION.

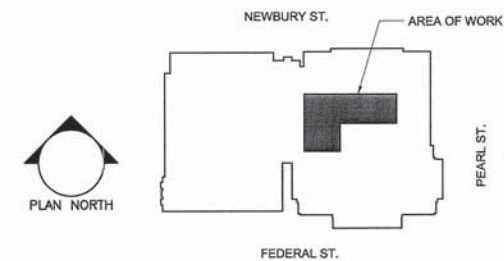
C6 ALTERNATES

NO SCALE

- 1 PROVIDE EXIT SIGN AND CONNECT TO UN-SWITCHED PORTION OF EXISTING LIGHTING CIRCUIT.
- 2 PROVIDE 20A BRANCH CIRCUIT FROM EXISTING PANEL. PROVIDE 1P-20A CIRCUIT BREAKER MATCHING PANELBOARD TYPE AND MEETING OR EXCEEDING PANELBOARD AIC RATING. CIRCUIT CONDUCTORS SHALL BE (2)#12, (1)#12G.
- 3 IN THIS ROOM, EXISTING CEILING SHALL REMAIN UNDISTURBED THROUGHOUT THE DURATION OF CONSTRUCTION DUE TO THE EXISTENCE OF ASBESTOS. NO ELECTRICAL EQUIPMENT SHALL BE FASTENED TO OR SUSPENDED FROM EXISTING STRUCTURE. ALL NEW WORK SHALL BE SURFACE MOUNTED ON EXISTING WALLS OR CONCEALED IN NEW PARTITIONS.
- 4 RELOCATED LIGHT SWITCHES, PROVIDE NEW DEVICES. EXTEND EXISTING BRANCH CIRCUIT WIRING TO NEW LOCATION FOR CONTROL OF LUMINAIRES. SWITCHES SHALL BE INSTALLED ON DOOR SIDE OF NEW PARTITION. REFER TO LIGHTING DEMOLITION PLAN, DRAWING ED-100, DEMO KEYED NOTE 1.
- 5 PROVIDE EMERGENCY LIGHT AND CONNECT TO UN-SWITCHED PORTION OF EXISTING LIGHTING CIRCUIT.
- 6 DISCONNECT EXISTING LUMINAIRE FROM EXISTING SWITCH GROUP AND CONNECT TO NEW SWITCH GROUP "a" FOR ROOM 106. LUMINAIRE SHALL REMAIN ON EXISTING LIGHTING BRANCH CIRCUIT.

A6 NEW CONDITIONS KEYED NOTES

NO SCALE

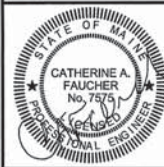


A9 KEY PLAN

NO SCALE

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**Allied Engineering**  
 Structural Mechanical Electrical Commissioning



REVISIONS	NUMBER	DATE	BY	DESCRIPTION

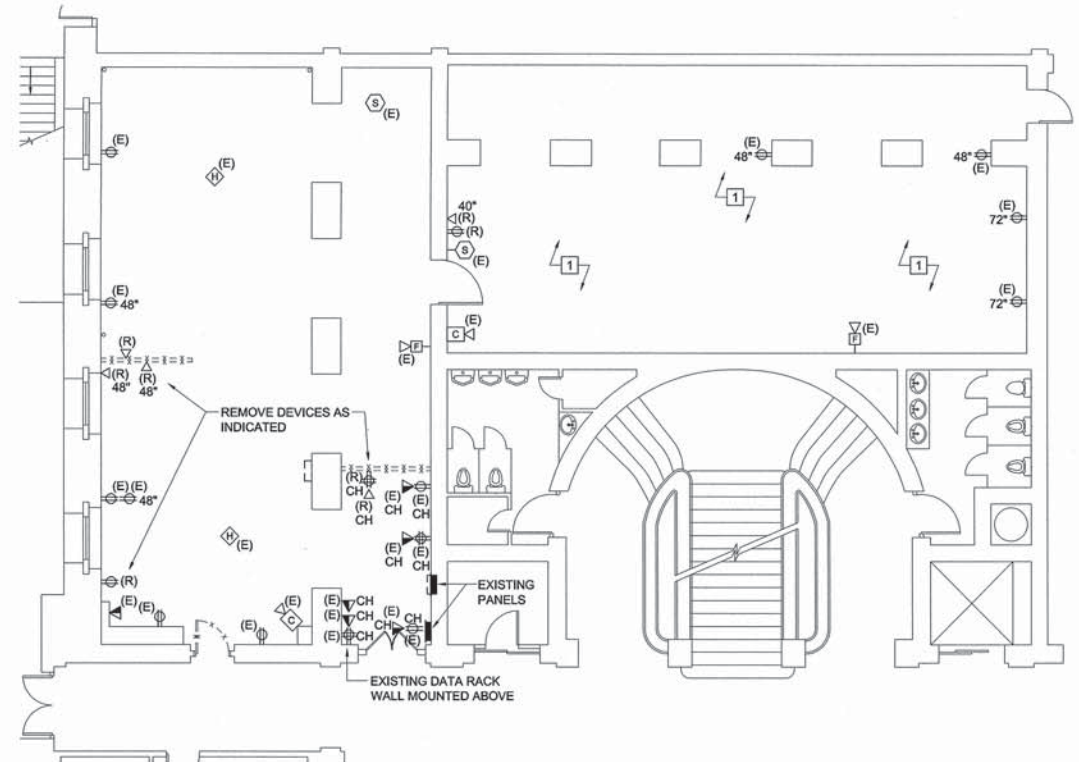
Date:	Drawn By:	Checked By:	Project Mgr:	Project No:	Cal File:	Graphic Scale:
	NLB	CAF	WFF	12-019	12019E.dwg	1"

ELECTRICAL NEW CONDITIONS

RENOVATIONS FOR DISTRICT ATTORNEY SPACE OF THE CUMBERLAND COUNTY COURTHOUSE  
 142 FEDERAL STREET, PORTLAND, MAINE

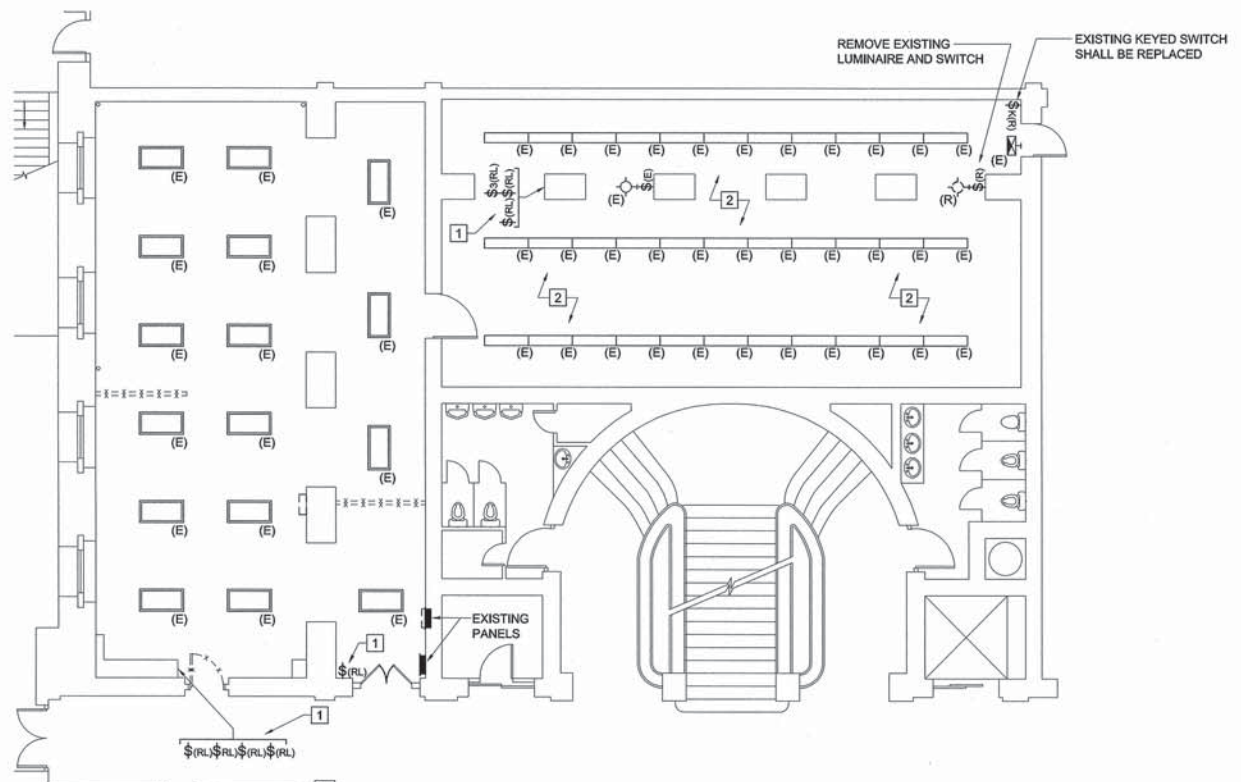
**E-100**

ISSUED FOR BID ~ 17 DECEMBER 2012



E1 ELECTRICAL DEMOLITION - POWER

NOT TO SCALE



A1 ELECTRICAL DEMOLITION - LIGHTING

NOT TO SCALE

- HOMERUN
- ⊕ DUPLEX RECEPTACLE: 20A 120V, 2P, 3W NEMA 5-20R. MOUNT AT 18" AFF TO CENTERLINE UNO.
- ▽ DATA OUTLET: MOUNT AT 18" AFF TO CENTERLINE UNO. PROVIDE 4" SQUARE 2-1/8" DEEP BACKBOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE (1) CAT 5e CABLE FROM DEVICE LOCATION ROUTED BACK TO SERVER ROOM 112.
- ▼ VOICE OUTLET: MOUNT AT 18" AFF TO CENTERLINE UNO. PROVIDE 4" SQUARE 2-1/8" DEEP BACKBOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE (1) CAT 5e CABLE FROM DEVICE LOCATION ROUTED BACK TO SERVER ROOM 112.
- ▼ VOICE/DATA OUTLET: MOUNT AT 18" AFF TO CENTERLINE UNO. PROVIDE 4" SQUARE 2-1/8" DEEP BACKBOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE (2) CAT 5e CABLES FROM DEVICE LOCATION ROUTED BACK TO SERVER ROOM 112.
- 2"x4" RECESSED LUMINAIRE.
- 1"x4" SURFACE OR PENDANT MOUNTED LUMINAIRE.
- ⊕ WALL MOUNT SURFACE LUMINAIRE.
- ⊕ EXIT SIGN: SHADING INDICATES FACE. ARROWS INDICATE DIRECTIONAL CHEVRONS. PROVIDE DUAL LITE "LX" SERIES OR EQUAL.
- ⊕ EMERGENCY LIGHT: PROVIDE DUAL LIT "L2" SERIES OR EQUAL.
- ⊕ SINGLE POLE SWITCH: 20A 120-277V. LOWER CASE LETTER INDICATES SWITCHGROUP.
- ⊕(K) SINGLE POLE SWITCH: 20A 120-277V, KEYED OPERATION.
- ⊕ SPEAKER
- ⊕ SECURITY CAMERA
- ⊕ FIRE ALARM HEAT DETECTOR
- ⊕ FIRE ALARM AUDIO VISUAL NOTIFICATION APPLIANCE
- AFF ABOVE FINISHED FLOOR
- CH COUNTER HEIGHT: REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT DIMENSIONS.
- TEL TELEPHONE
- UNO UNLESS NOTED OTHERWISE
- WP WEATHER PROOF
- (E) EXISTING ITEM TO REMAIN
- (R) EXISTING ITEM TO BE REMOVED
- (ER) RELOCATED EXISTING ITEM AT NEW LOCATION
- (RL) EXISTING ITEM TO BE REMOVED AND RELOCATED

D6 ELECTRICAL LEGEND AND ABBREVIATIONS

NO SCALE

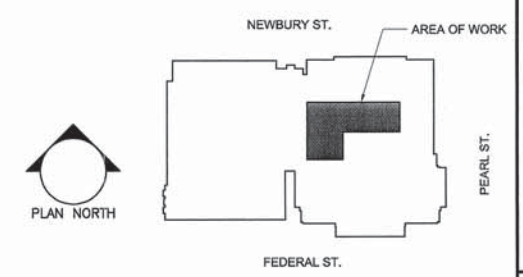
D9 GENERAL NOTES

NO SCALE

- 1 EXISTING SWITCH(ES) SHALL BE RELOCATED. REFER TO LIGHTING PLAN, DRAWING E-100, KEYED NOTE 4 FOR RELOCATION.
- 2 IN THIS ROOM, EXISTING CEILING SHALL REMAIN UNDISTURBED THROUGHOUT THE DURATION OF CONSTRUCTION DUE TO THE EXISTENCE OF ASBESTOS. NO ELECTRICAL EQUIPMENT SHALL BE FASTENED TO OR SUSPENDED FROM EXISTING STRUCTURE. ALL NEW WORK SHALL BE SURFACE MOUNTED ON EXISTING WALLS OR CONCEALED IN NEW PARTITIONS.

A6 DEMOLITION KEYED NOTES

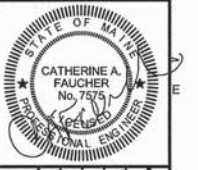
NO SCALE



A9 KEY PLAN

NO SCALE

1. BRANCH CIRCUIT WIRING NOT SHOWN. THE INTENT OF THESE DRAWINGS IS TO SHOW THE GENERAL ARRANGEMENT OF CIRCUITRY AND LAYOUT & LOCATIONS OF EQUIPMENT. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY WIRE, DEVICE, BOX, FITTING OR APPURTENANCE NEEDED FOR A COMPLETE INSTALLATION NOR IS IT THE INTENT TO SHOW THE LAYOUT OF BRANCH CIRCUIT WIRING.
2. DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE THE WORK OF DIVISION 26 AND OTHER DIVISIONS. THESE DRAWINGS ARE NOT INTENDED TO INDICATE ALL ITEMS TO BE REMOVED.
3. DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR EXACT DIMENSIONS.
4. THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS, IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET PROJECT REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.
5. ALL ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
6. COORDINATE ALL WORK WITH OTHER DIVISIONS AND THE OWNER.
7. VERIFY EXACT POWER REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH IN.
8. POWER WIRING FOR EQUIPMENT & CONTROL SHALL BE PERFORMED BY DIVISION 26. ALL CONTROL WIRING OPERATING AT LESS THAN 120 VOLTS FOR MECHANICAL EQUIPMENT SHALL BE BY DIVISION 23.
9. NO WIRING THAT BECOMES UNUSED AS PART OF THIS PROJECT SHALL BE ABANDONED IN PLACE.
10. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTIFIED OTHERWISE. THE USE OF MULTI-WIRE BRANCH CIRCUITS SHALL BE PROHIBITED.
11. REMOVE ALL EXISTING ELECTRICAL ITEMS AND WIRING FROM WALLS AND CEILINGS THAT WILL BE DEMOLISHED BY OTHER DIVISIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.



REVISIONS	NUMBER	DATE	DESCRIPTION

Date:	Drawn By:	Checked By:	Project Mgr:	Project No:	Cad File:	Graphic Scale:
	NLB	CAF	WPF	12-019	1201BE.dwg	0 1"

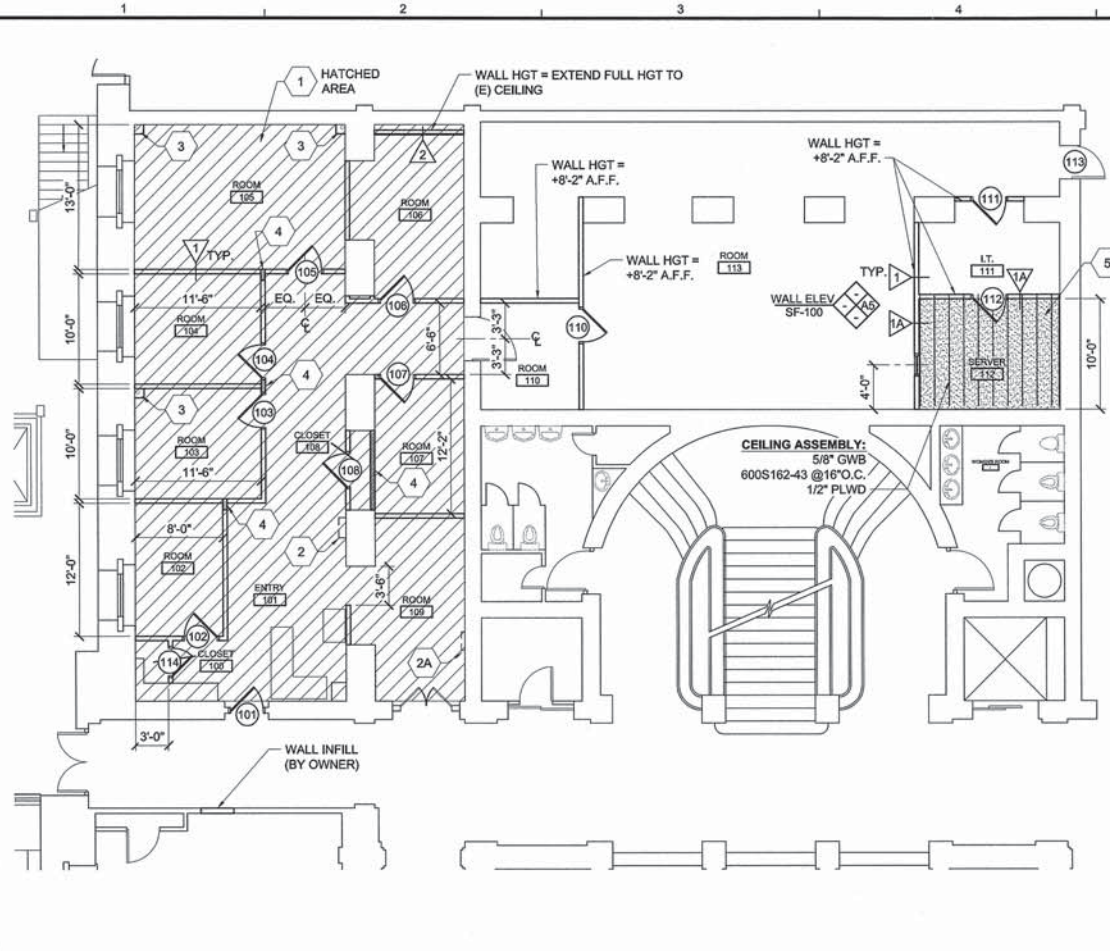
**ELECTRICAL DEMOLITION**

RENOVATIONS FOR DISTRICT ATTORNEY SPACE OF THE CUMBERLAND COUNTY COURTHOUSE  
142 FEDERAL STREET, PORTLAND, MAINE

**ED-100**

ISSUED FOR BID ~ 17 DECEMBER 2012

N:\Projects\2012\12019 - 25 Pearl St. - Registry of Deeds\00 Drawings File\1201BE.dwg Dec 14, 2012 - 11:12am



- LEGEND:**
- 105 INDICATES DOOR NUMBER - SEE SCHEDULE
  - INDICATES WALL TYPE - SEE C7/SF-100
  - # INDICATES KEYNOTE - SEE PLAN NOTES BELOW

- PLAN NOTES:**
- PROPOSED WALL HEIGHT SHALL BE +9'-0" UNLESS NOTED.
  - DIMENSIONS SHOWN ARE TO FINISH FACE OF INTERIOR WALL, TYPICAL UNLESS NOTED OTHERWISE.
  - PROVIDE CEILING TILE IN (E) GRID: ARMSTRONG #769 CORTEGA, 5/8" x 2' x 4' SQ. CEILING TILE.
  - PROVIDE MTL STUD BOX FRAME AROUND (E) DUCTWORK SHEATHED ON ALL SIDES - STARTING 4" BELOW BOTTOM OF DUCT TO UNDERSIDE OF (E) ACT CEILING.
  - PROVIDE MTL STUD BOX FRAME AROUND (E) CONDUIT SHEATHED ON ALL SIDES - STARTING AT TOP OF (E) ELECTRICAL PANEL TO UNDERSIDE OF (E) ACT CEILING. FRAME WIDTH SHALL MATCH (E) PANEL WIDTH.
  - PROVIDE FULL HEIGHT CHASE AROUND (E) EXPOSED PIPE. SEE DETAIL D9/SF-100
  - PROVIDE FULL HEIGHT WALL/CHASE FOR TELDATA CONDUIT - COORDINATE w/SHEET E-100. AT WALL: CHASE SIZE SHALL BE WALL WIDTH x 12". PROVIDE SHEATHING ALL 4-SIDES. AT CORNER PROVIDE CHASE PER DETAIL D9/SF-100 (SIMILAR)
  - PROVIDE 6" BATT INSULATION IN CEILING OF ROOM 112

DOOR SCHEDULE							
DOORS						FRAMES	
NO	TYPE	SIZE (w x h)	THK	HW-1	REMARKS	TYPE	Finished
101	C	3'-0" x 7'-0"	1 3/4"	HW-1	Note 1	Existing	NA
102	A	3'-0" x 7'-0"	1 3/4"	HW-2		Wood	urethane
103	A	3'-0" x 7'-0"	1 3/4"	HW-2		Wood	urethane
104	A	3'-0" x 7'-0"	1 3/4"	HW-2		Wood	urethane
105	A	3'-0" x 7'-0"	1 3/4"	HW-2		Wood	urethane
106	A	3'-0" x 7'-0"	1 3/4"	HW-2		Wood	urethane
107	A	3'-0" x 7'-0"	1 3/4"	HW-2		Wood	urethane
108	A	3'-0" x 7'-0"	1 3/4"	HW-5		Wood	urethane
109	C	3'-0" x 7'-0"	1 3/4"	Existing	Note 2	Existing	NA
110	A	3'-0" x 7'-0"	1 3/4"	HW-2		Wood	urethane
111	C	3'-0" x 7'-0"	1 3/4"	Existing	reuse door, frame and hardware from door #101	Existing	-
112	C	3'-0" x 7'-0"	1 3/4"	Existing	owner furnished door, frame & hardware	Existing	-
113	D	Existing	1 3/4"	HW-4		Wood	-
114	A	2'-6" x 7'-0"	1 3/4"	HW-5		Wood	urethane

**NOTES:**

- Remove existing solid core flush door, frame and hardware and reuse for door #111
- Solid core flush door, frame and hardware are by owner for door #112

**DOOR TYPES:**

- A - Architectural 2 panel oak door and frame
- B - Solid core oak door and frame
- C - Existing solid core oak door, frame and HMD to be relocated
- D - Existing door to receive new lockset

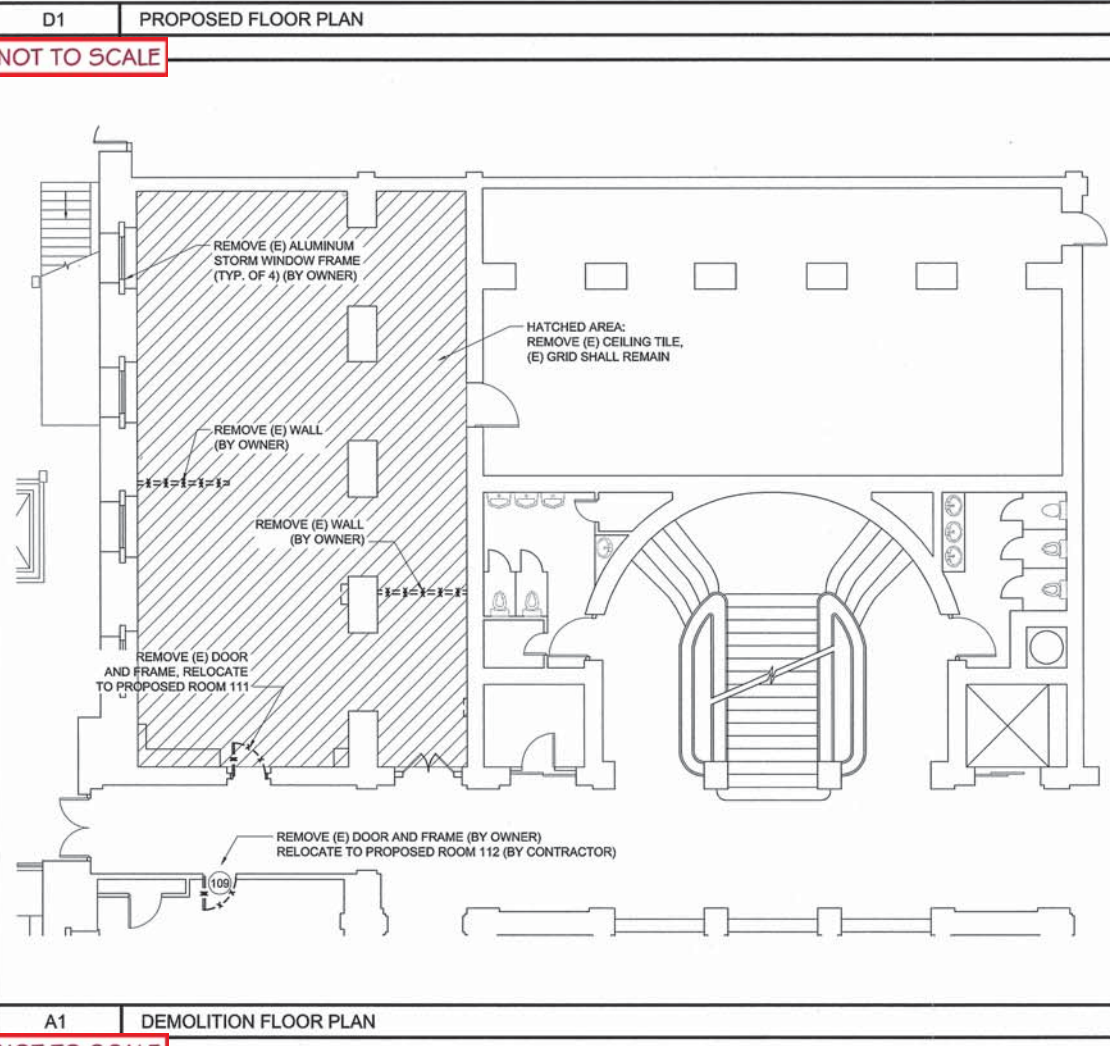
FINISH SCHEDULE										
ROOM NO	NAME	WALLS				FLOOR		CLG		HT
		N	E	S	W	MATL	BASE	TYPE	HT	
100	CLOSET	PGWB	PGWB	PGWB & P(E)PLASTER	P(E)PLASTER	refinish (E)	WOOD	SEE NOTE#1	-	
101	ENTRY	PGWB	PGWB & P(E)PLASTER	PGWB & P(E)PLASTER	PGWB	refinish (E)	WOOD	SEE NOTE#1	-	
102	ROOM	PGWB	PGWB	PGWB	P(E)PLASTER	refinish (E)	WOOD	SEE NOTE#1	-	
103	ROOM	PGWB	PGWB	PGWB	P(E)PLASTER	refinish (E)	WOOD	SEE NOTE#1	-	
104	ROOM	PGWB	PGWB	PGWB	P(E)PLASTER	refinish (E)	WOOD	SEE NOTE#1	-	
105	ROOM	P(E) PLASTER	P(E)PLASTER	PGWB	P(E)PLASTER	refinish (E)	WOOD	SEE NOTE#1	-	
106	ROOM	P(E)PLASTER	P(E)PLASTER	PGWB & P(E)PLASTER	P(E)PLASTER	refinish (E)	WOOD	SEE NOTE#1	-	
107	ROOM	PGWB	P(E)PLASTER	PGWB	P(E)PLASTER	refinish (E)	WOOD	SEE NOTE#1	-	
108	CLOSET	P(E)PLASTER	PGWB	P(E)PLASTER	PGWB	refinish (E)	WOOD	SEE NOTE#1	-	
109	ROOM	PGWB & P(E)PLASTER	P(E)PLASTER	PGWB & P(E)PLASTER	PGWB & P(E)PLASTER	refinish (E)	WOOD	SEE NOTE#1	-	
110	ROOM	PGWB	PGWB & P(E)PLASTER	P(E)PLASTER	P(E) PLASTER	(E)	WOOD	(E)	-	
111	ROOM	PGWB & P(E)PLASTER	P(E)PLASTER	PGWB	PGWB & P(E)PLASTER	(E)	WOOD	(E)	-	
112	ROOM	PGWB	P(E)PLASTER	P(E)PLASTER	PGWB	(E)	WOOD	PGWB 8'-2"	-	
113	ROOM	(E)PLASTER	PGWB	PGWB	PGWB	(E)	WOOD	(E)	-	

**NOTES:**

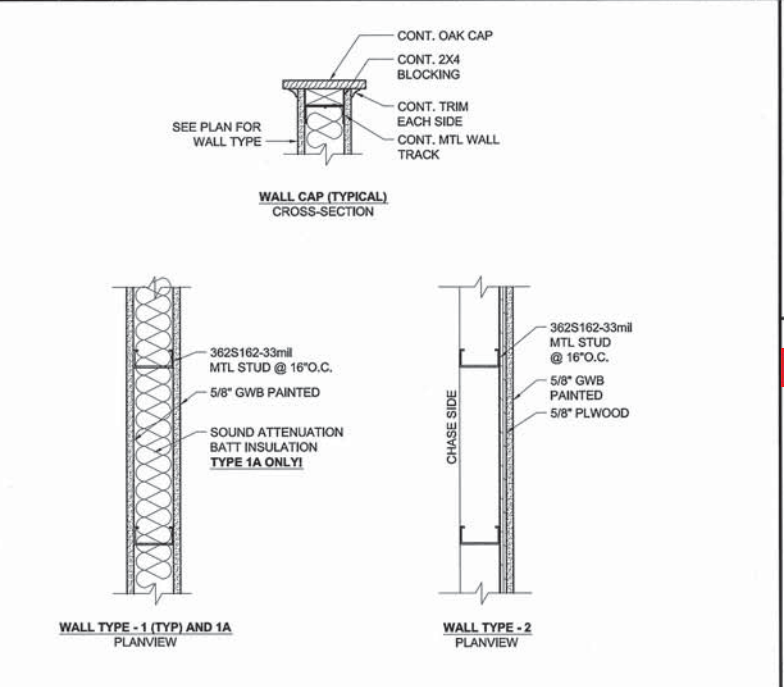
- (E) GRD SHALL REMAIN, REMOVE AND REPLACE PANELS.

**ABBREVIATIONS:**

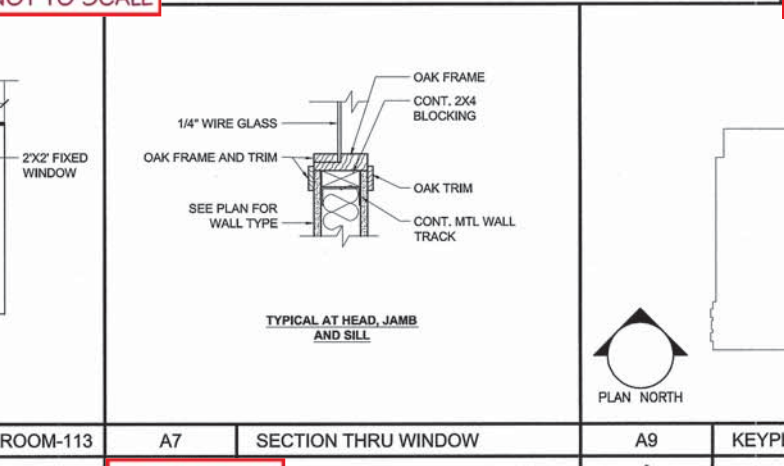
- CONC CONCRETE
- (E) EXISTING
- GWB GYPSUM WALL BOARD
- MTL METAL
- P PAINTED



**F7 SCHEDULES**



**C7 WALL TYPES**



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Structural Mechanical Electrical Commissioning



NO.	REVISION	DATE	BY	DESCRIPTION

Date: -  
Drawn By: PED WPF  
Checked By: WPF  
Project Mgr: WPF  
Project No: 12019  
Cad File: 12019.dwg  
Graphic Scale: 1" = 0'

**FLOOR PLANS AND DETAILS**

RENOVATIONS FOR DISTRICT ATTORNEY SPACE OF THE CUMBERLAND COUNTY COURTHOUSE  
142 FEDERAL STREET, PORTLAND, MAINE

**SF-100**

**ISSUED FOR BID ~ 17 DECEMBER 2012**