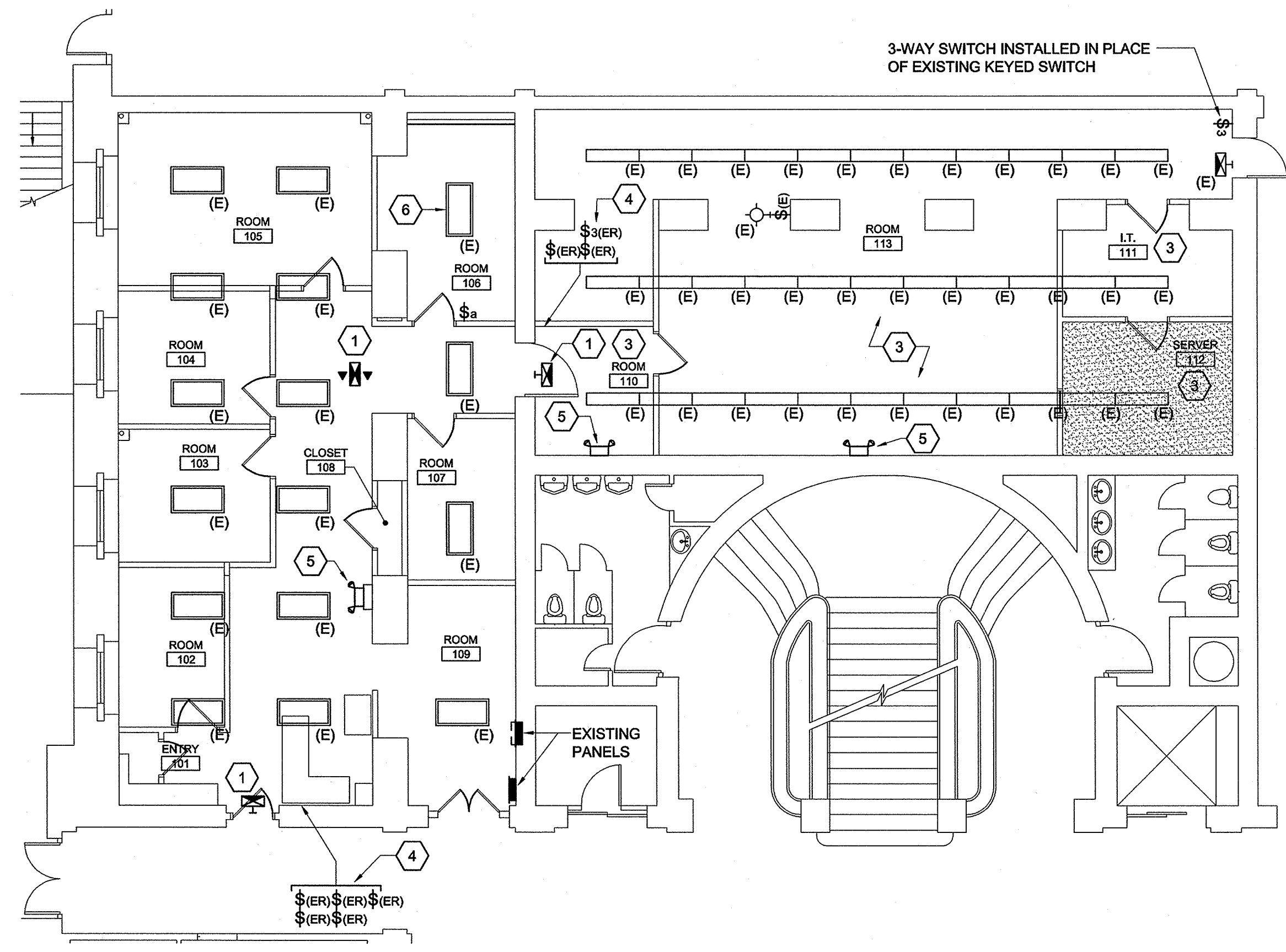


**E1** ELECTRICAL NEW CONDITIONS - POWER

1/8" = 1'-0"



**A1** ELECTRICAL NEW CONDITIONS - LIGHTING

1/8" = 1'-0"

**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.

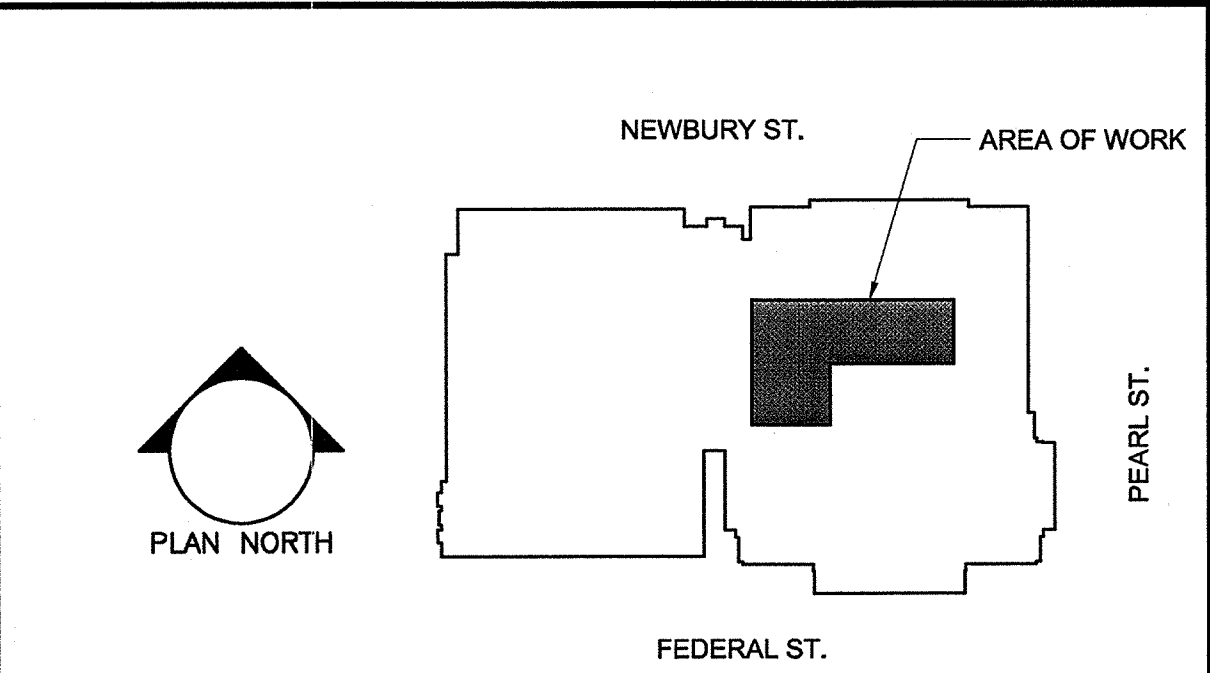
**C6** ALTERNATES

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

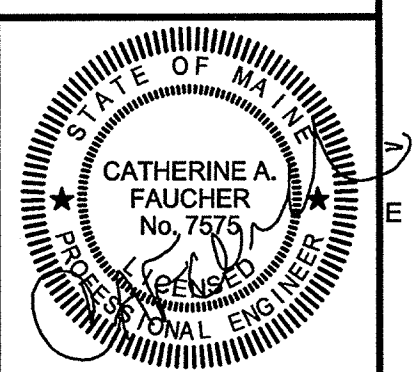


**A9** KEY PLAN

NO SCALE

160 Veranda Street  
 Portland, Maine 04103  
 T: 207.221.2260  
 F: 207.221.2266  
 Web: www.allied-eng.com

**Allied Engineering**  
 Structural Mechanical Electrical Commissioning



REVISIONS	NUMBER	DATE	BY	DESCRIPTION

Date:	Drawn By:	NLB	CAF
Checked By:	Project Mgr:	WPF	WPF
Project No:	12019	Cad File:	12010E.dwg
Graphic Scale:	0	Scale:	1"

**ELECTRICAL NEW CONDITIONS**

RENOVATIONS FOR DISTRICT ATTORNEY SPACE OF THE CUMBERLAND COUNTY COURTHOUSE  
 142 FEDERAL STREET, PORTLAND, ME 04102

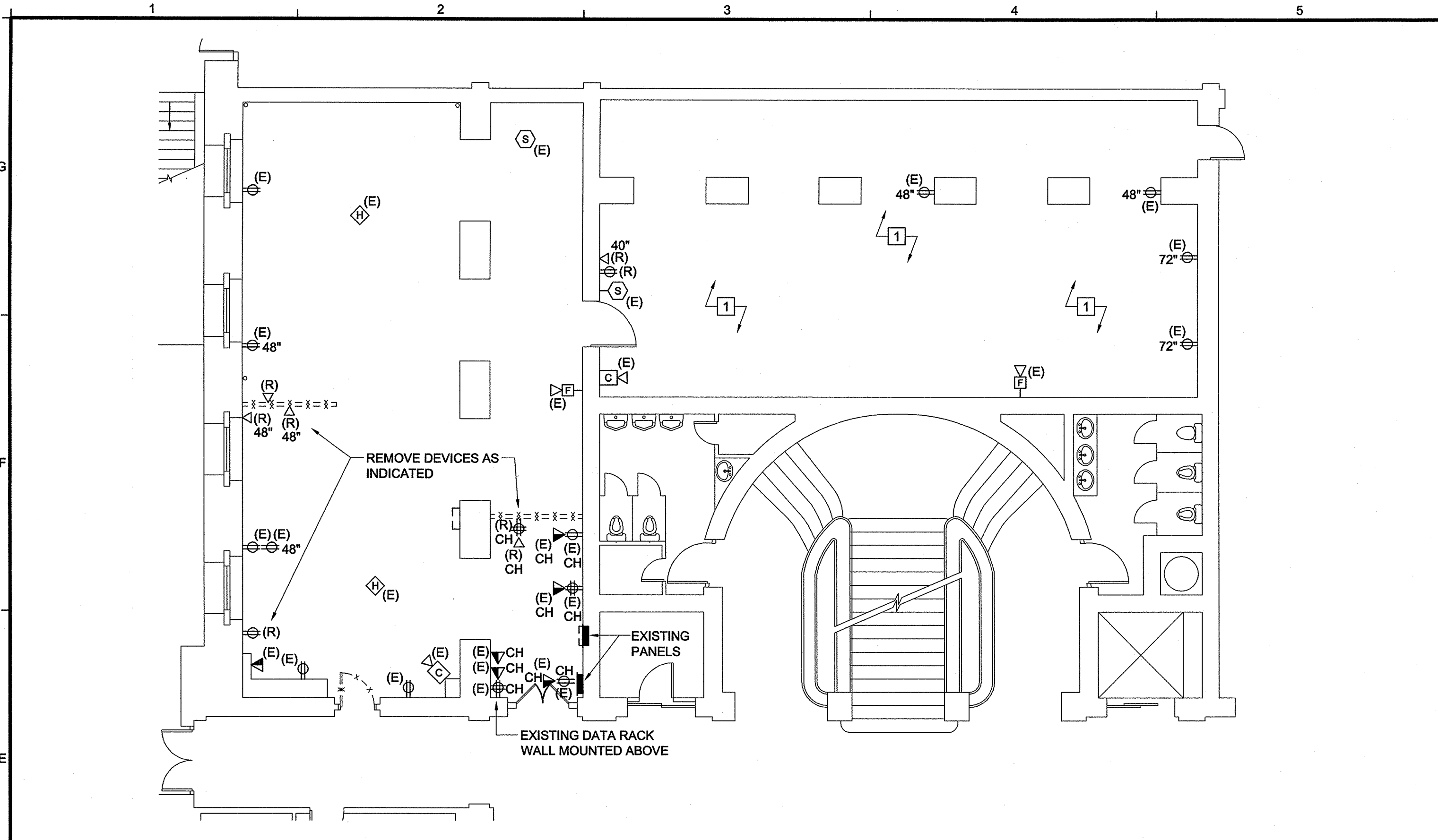
**E-100**

ISSUED FOR BID ~ 17 DECEMBER 2012

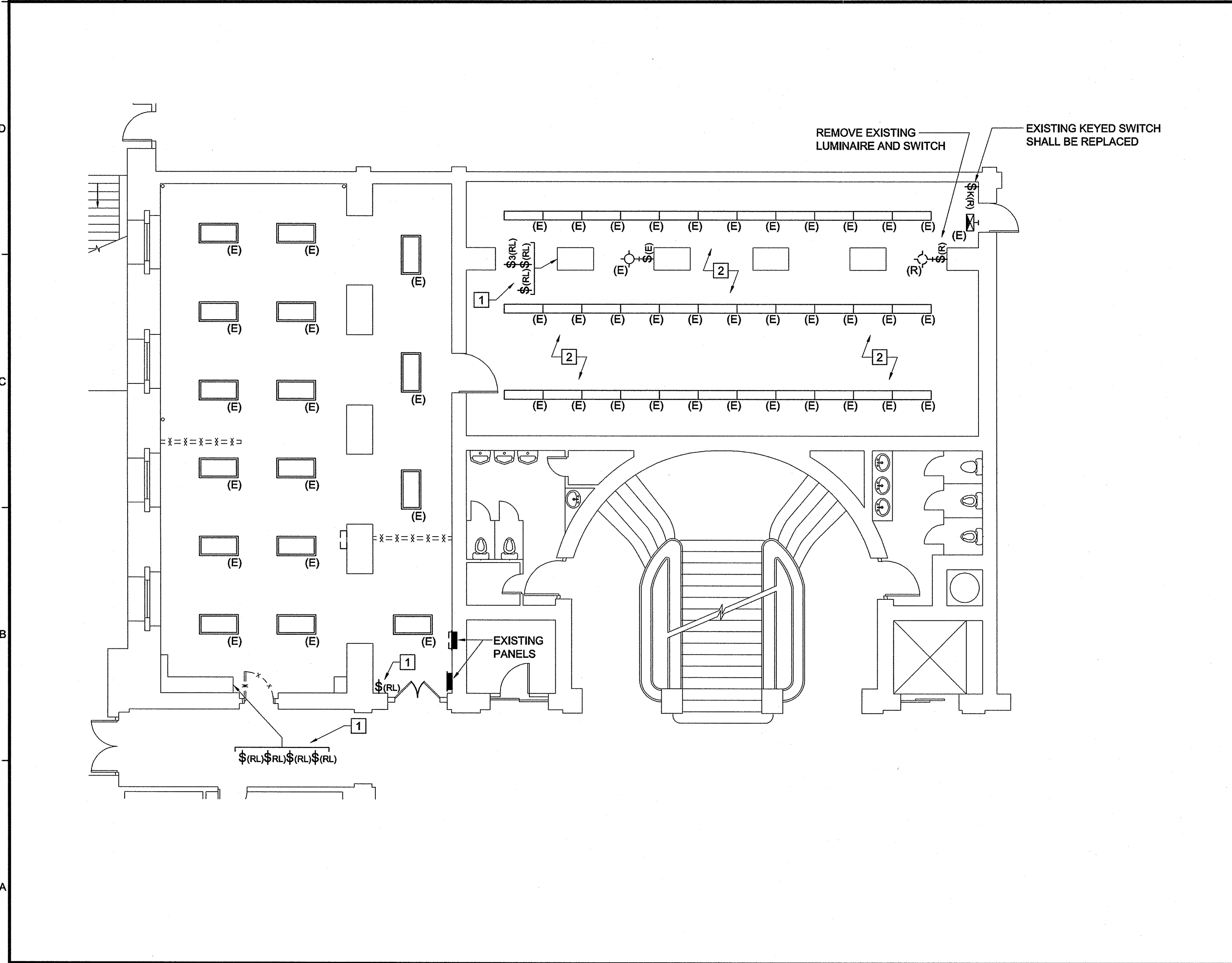
N:\Projects\2012\12019 - 25 Pearl St. - Registry of Deeds\00 Drawing Files\12010E.dwg Dec 14, 2012 - 11:13am



N:\Projects\2012\12019 - 25 Pearl St - Registry of Deeds\00 Drawing Files\12019E.dwg Dec 14, 2012 - 11:12am



**E1 ELECTRICAL DEMOLITION - POWER**  
1/8" = 1'-0"



**A1 ELECTRICAL DEMOLITION - LIGHTING**  
1/8" = 1'-0"

→	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.
□	2x4' 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 "LZ" SERIES OR EQUAL.
\$a	SINGLE POLE SWITCH: 20A 120-277V. LOWER CASE LETTER INDICATES SWITCHGROUP
\$K(E)	SINGLE POLE SWITCH: 20A 120-277V, KEYED OPERATION.
(S)	SPEAKER
(C)	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

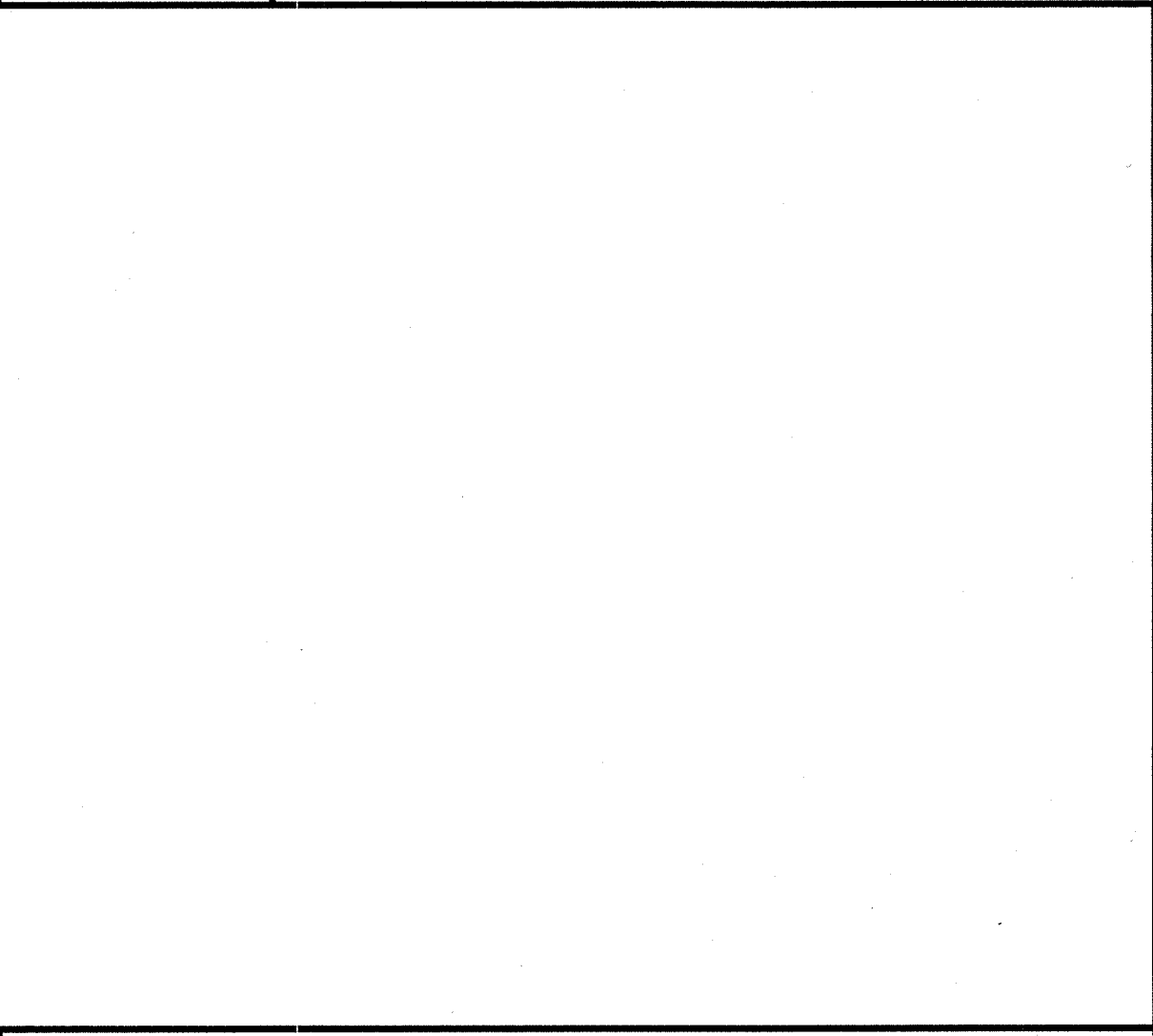
- BRANCH CIRCUIT WIRING NOT SHOWN. THE INTENT OF THESE DRAWINGS IS TO SHOW THE GENERAL ARRANGEMENT OF CIRCUITRY AND LAYOUT & LOCATIONS OF EQUIPMENT. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY WIRE, DEVICE, BOX, FITTING OR APPURTENANCE NEEDED FOR A COMPLETE INSTALLATION NOR IS IT THE INTENT TO SHOW THE LAYOUT OF BRANCH CIRCUIT WIRING.
- 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.
- DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR EXACT DIMENSIONS.
- 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.
- ALL ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
- COORDINATE ALL WORK WITH OTHER DIVISIONS AND THE OWNER.
- VERIFY EXACT POWER REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH IN.
- 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.
- NO WIRING THAT BECOMES UNUSED AS PART OF THIS PROJECT SHALL BE ABANDONED IN PLACE.
- ALL CONDUCTORS SHALL BE COPPER UNLESS NOTIFIED OTHERWISE. THE USE OF MULTI-WIRE BRANCH CIRCUITS SHALL BE PROHIBITED.
- 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.

**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

160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

**Allied Engineering**  
Structural Mechanical Electrical Commissioning

REVISION	DATE	BY	DESCRIPTION

Date: -  
Drawn By: NLB  
Checked By: CAF  
Project Mgr: WPF  
Project No: 12-019  
Cad File: 12019E.dwg  
Graphic Scale: 0 1"

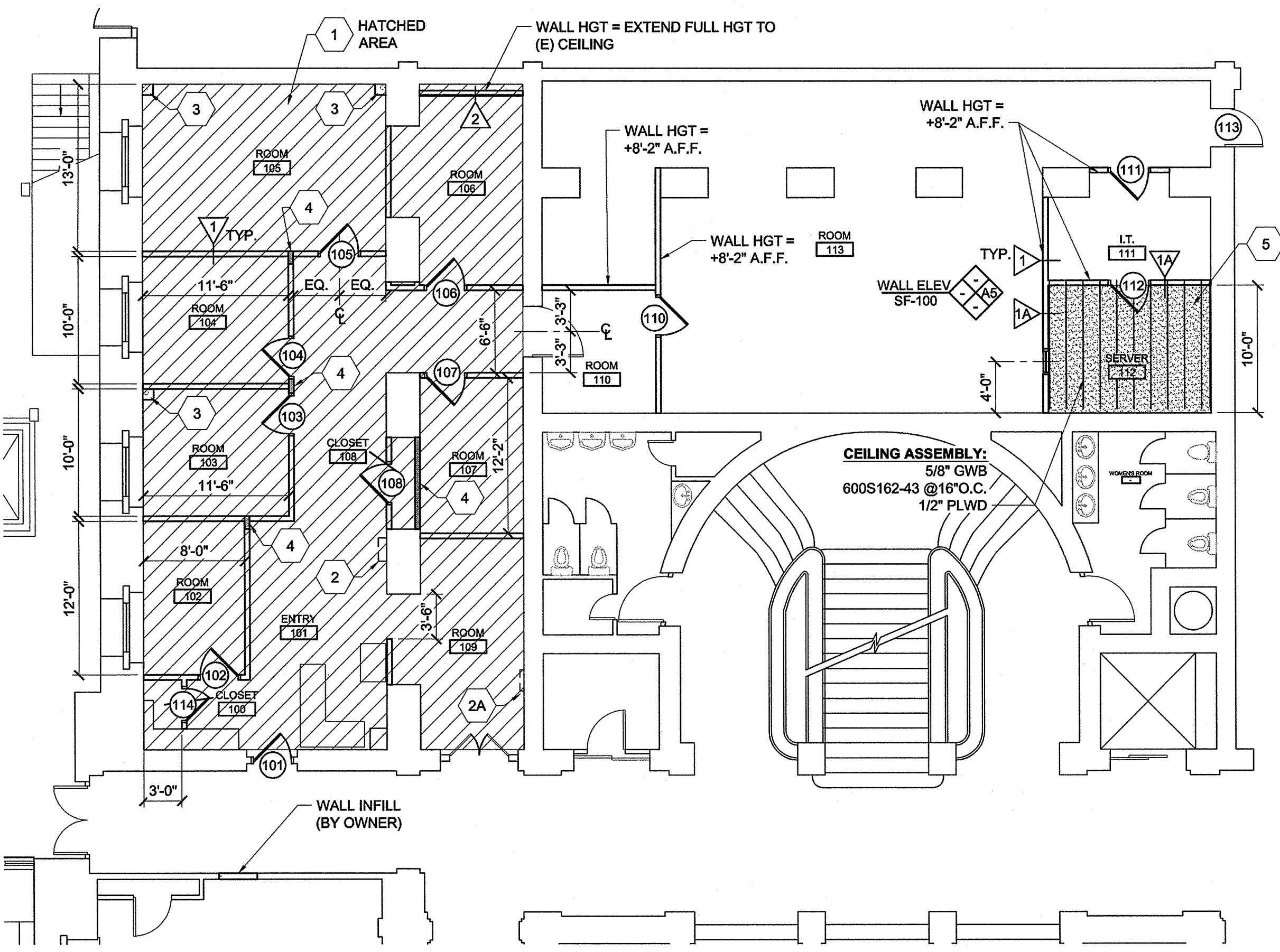
**ELECTRICAL DEMOLITION**

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

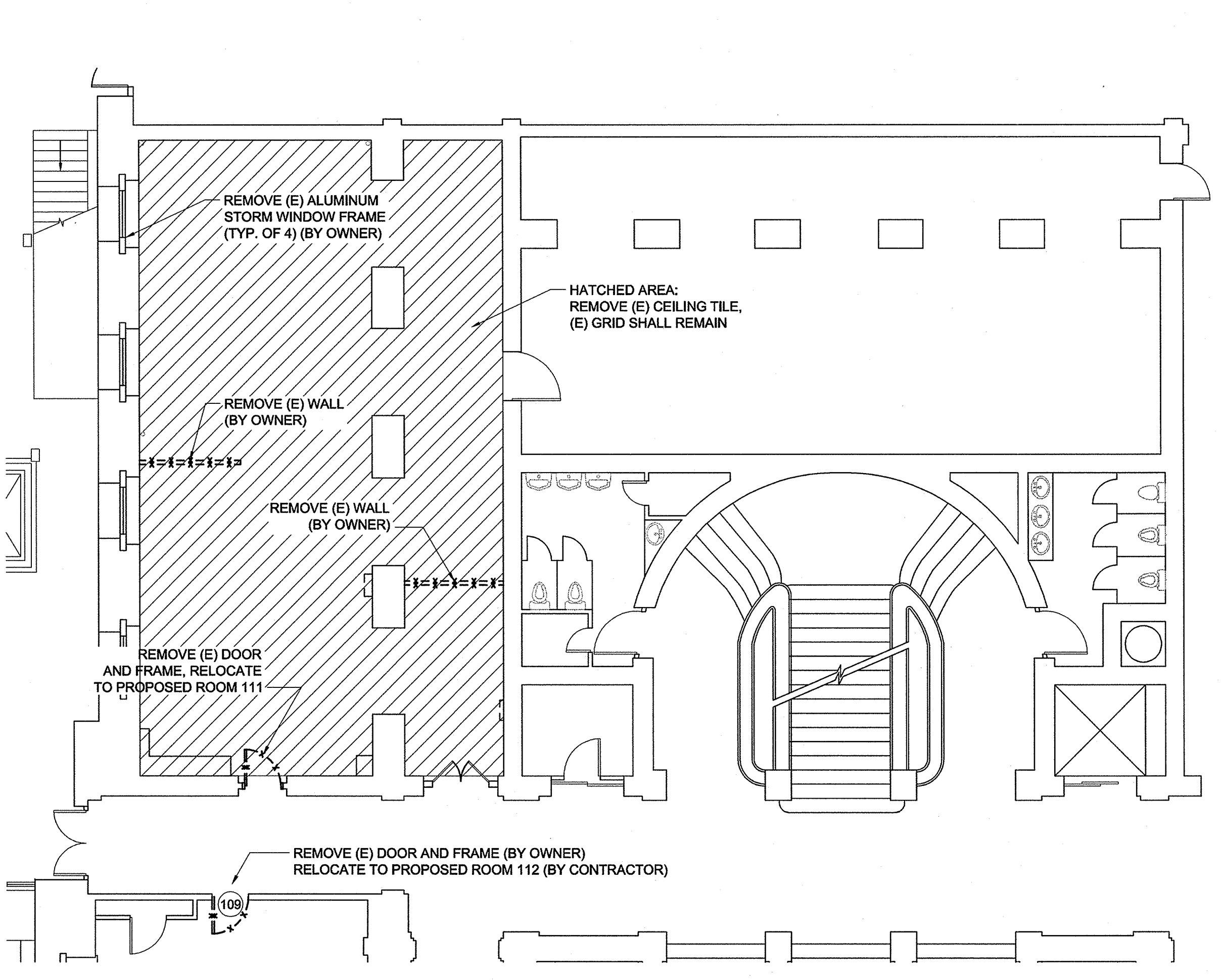
ED-100

ISSUED FOR BID ~ 17 DECEMBER 2012





**D1** PROPOSED FLOOR PLAN  
1/8" = 1'-0"



**A1** DEMOLITION FLOOR PLAN  
1/8" = 1'-0"

- 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									
NO	TYPE	SIZE (w x h)	THK	HWDR	REMARKS	TYPE	FRAMES		
							Finished		
101	C	3'-0" x 7'-0"	1 3/4"	HW-1	Note 1	Existing	Wood	urethane	N/A
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	Existing	1 3/4"	Existing	Note 2	Existing	Wood	urethane	
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	ow ner 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	urthane	

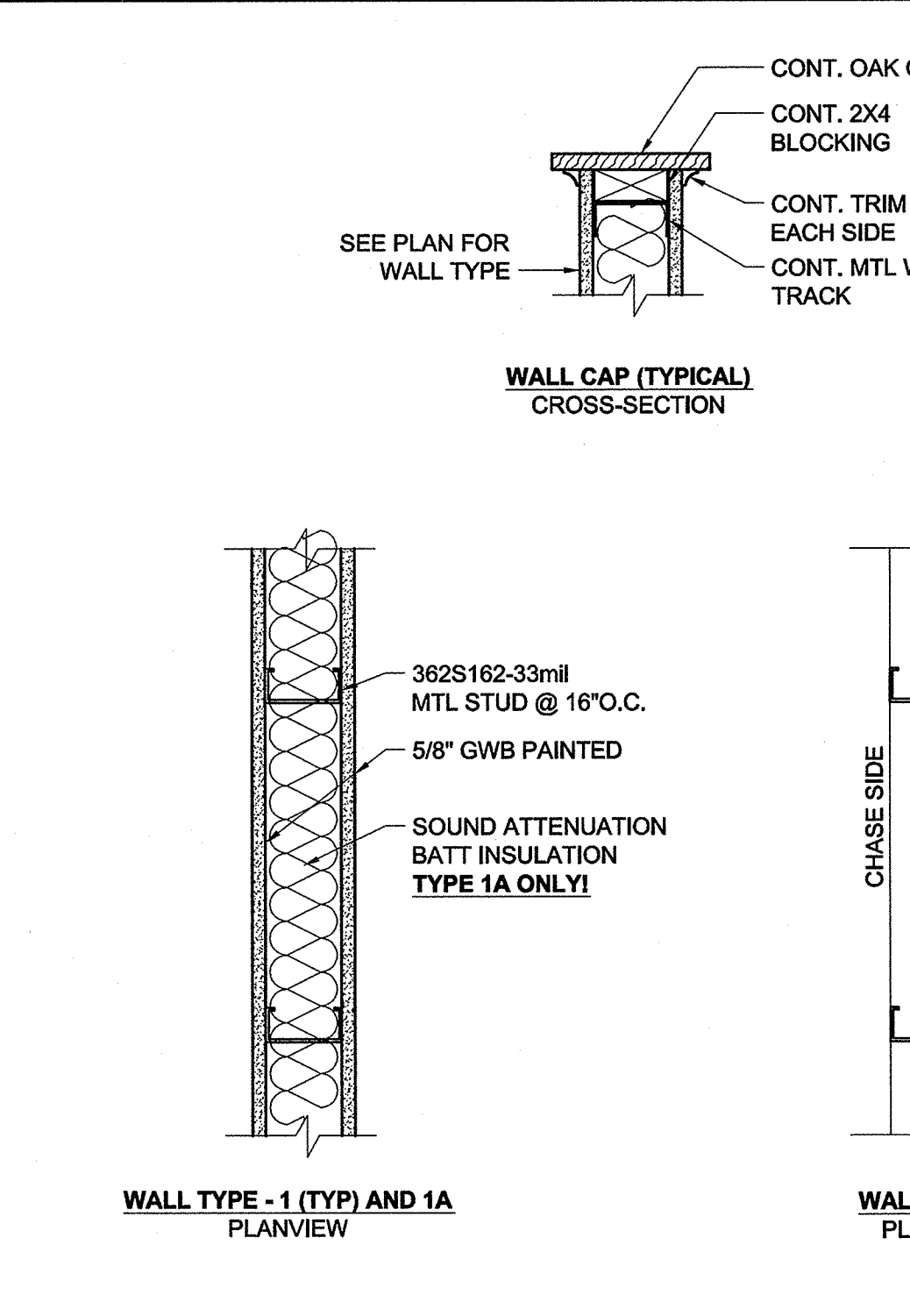
**NOTES:**

- 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

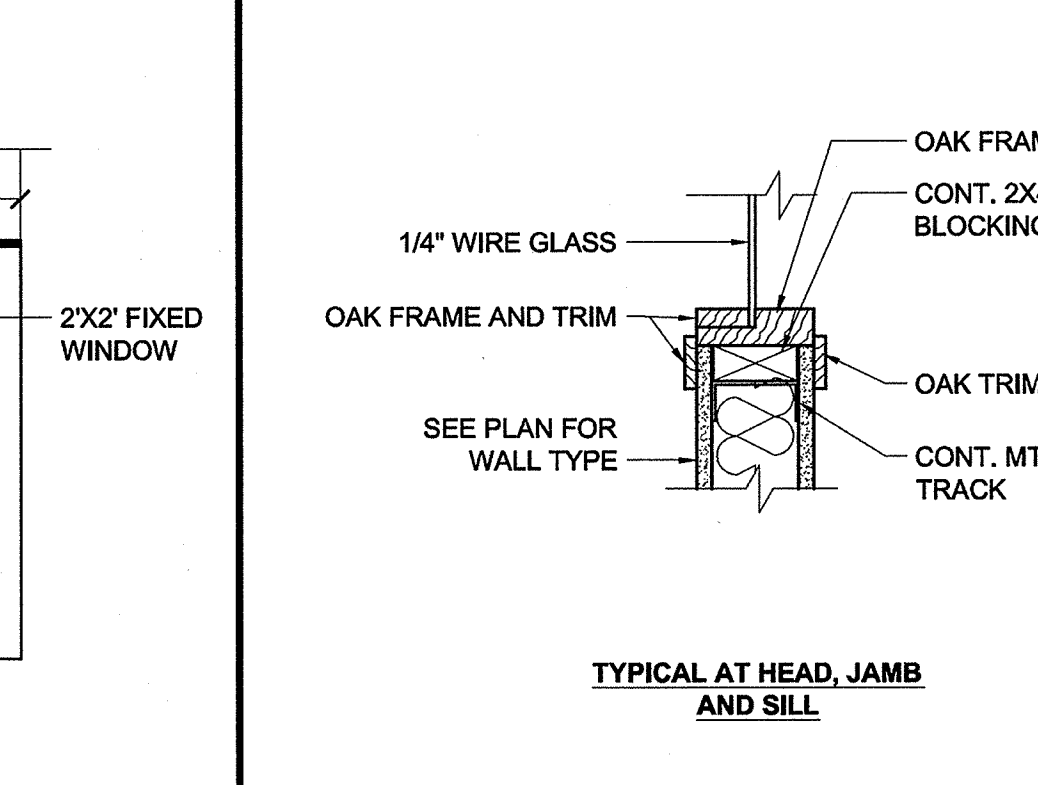
**DOOR TYPES:**

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

**F7** SCHEDULES



**C7** WALL TYPES  
1 1/2" = 1'-0"



**A7** SECTION THRU WINDOW  
1/4" = 1'-0"

FINISH SCHEDULE									
ROOM NO	NAME	WALLS			FLOOR		CLG		
		N	S	W	MATL	BASE	TYPE	HT	
100	CLOSET	PGWB	PGWB	PGWB & P(E)PLASTER	P(E)PLASTER	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	PGWB & 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	PGWB & 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	P(E)PLASTER	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 & P(E)PLASTER	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 (E)PLASTER	PGWB (E)PLASTER	PGWB (E)PLASTER	(E)	WOOD	(E)	-

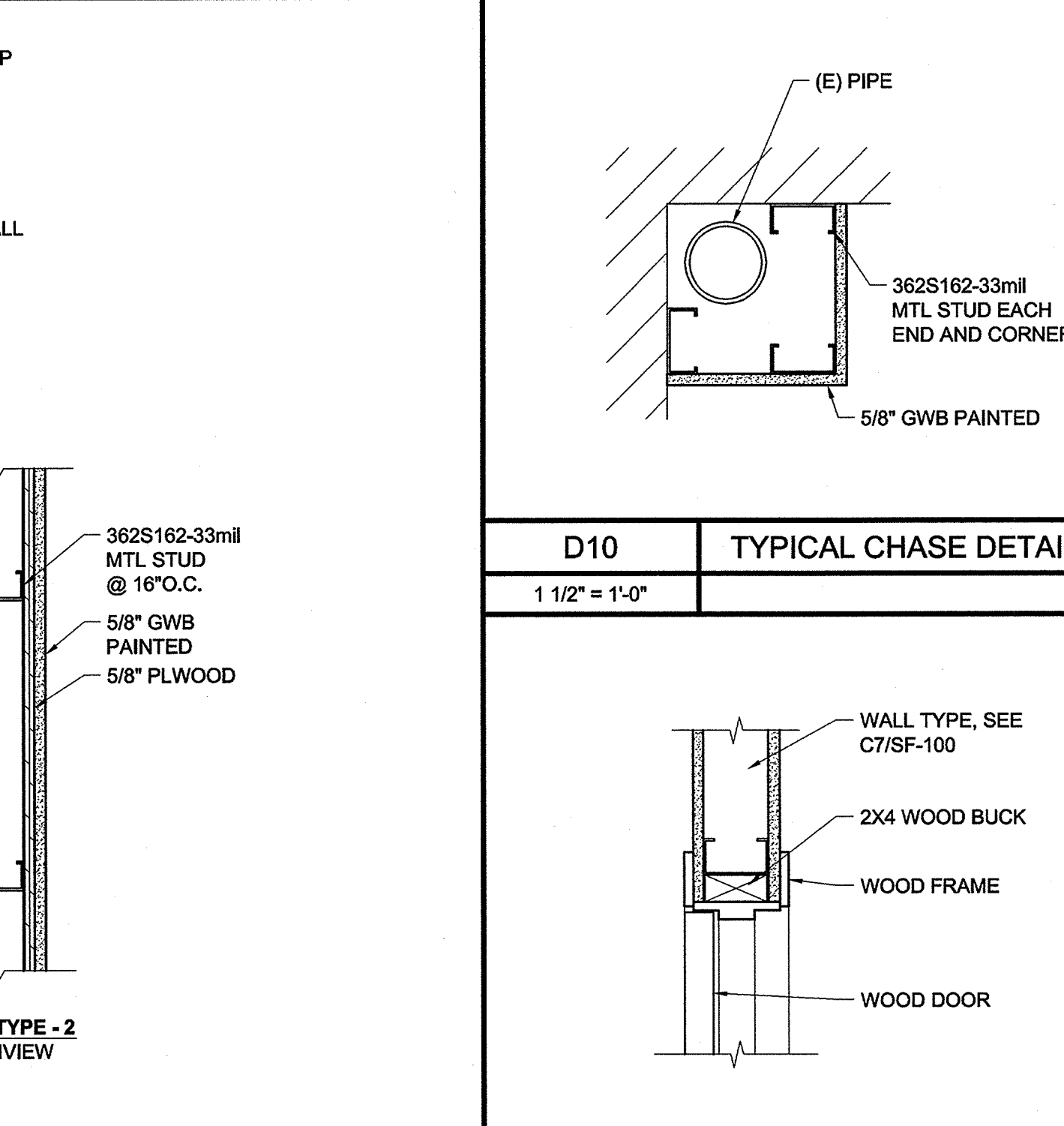
**NOTES:**

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

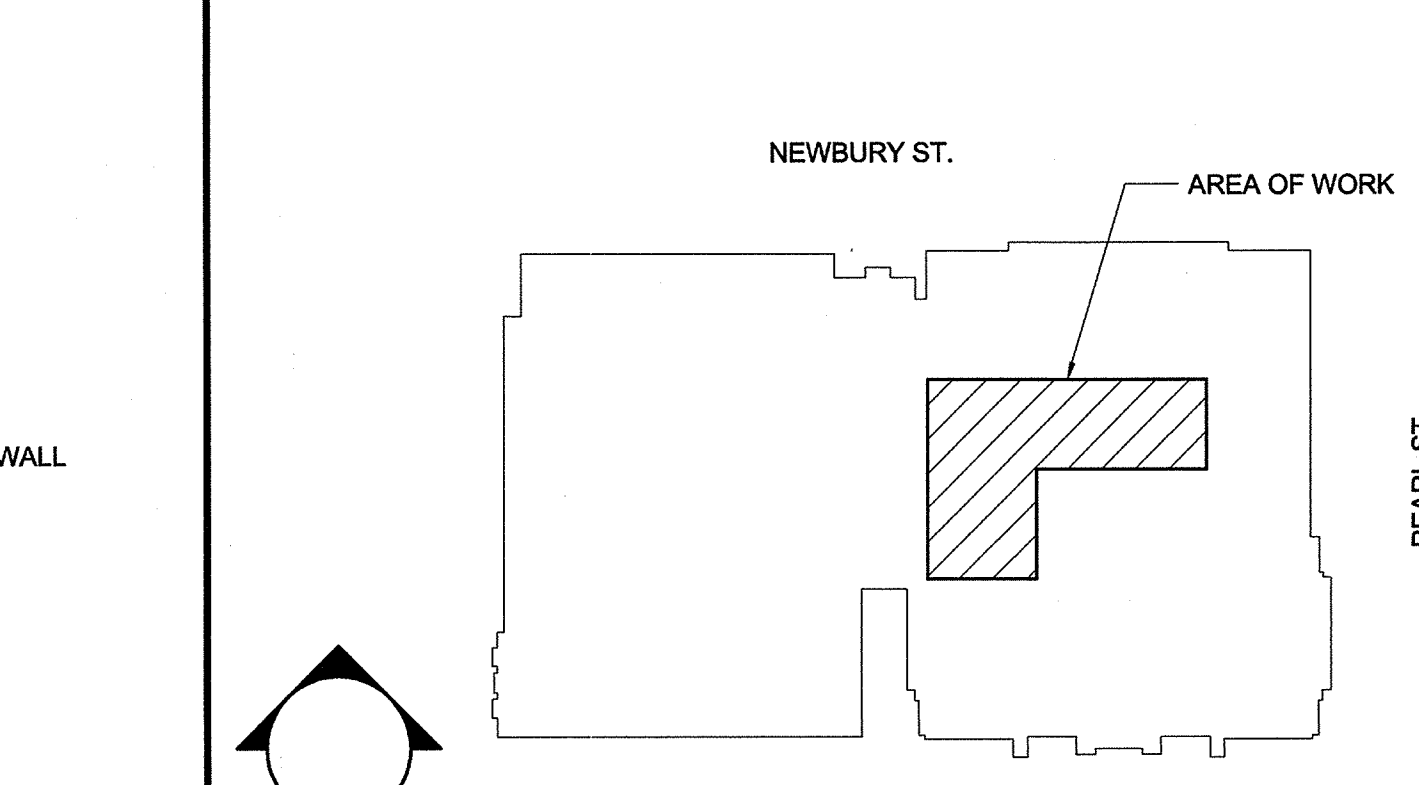
**ABBREVIATIONS:**

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

**C10** DOOR HEAD DETAIL (JAMB SIM.)  
1 1/2" = 1'-0"



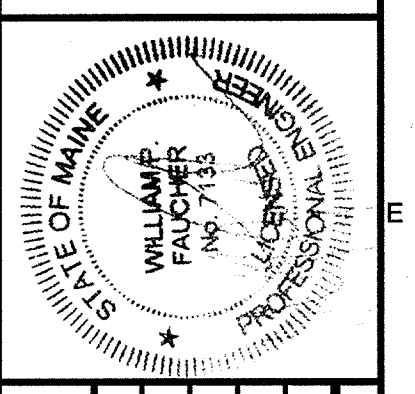
**A9** KEYPLAN - FIRST FLOOR LEVEL  
1 1/2" = 1'-0"



**A9** KEYPLAN - FIRST FLOOR LEVEL  
1 1/2" = 1'-0"

160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

**Allied Engineering**  
Structural Mechanical Electrical Commissioning



REVISIONS	DATE	NUMBER	DESCRIPTION

Date: PED  
Drawn By: WPF  
Checked By: WPF  
Project Mgr: WPF  
Project No: 12-019  
Cad File: 120185.dwg  
Graphic Scale: 0 1'

**FLOOR PLANS AND DETAILS**

RENOVATIONS FOR DISTRICT ATTORNEY SPACE OF THE CUMBERLAND COUNTY COURTHOUSE  
142 FEDERAL STREET, PORTLAND, ME 04103

**SF-100**

ISSUED FOR BID ~ 17 DECEMBER 2012