

LEGEND

ABBREVIATIONS:

ACH	ABOVE CABINET HEIGHT
AFF	ABOVE FINISHED FLOOR
FACP	FIRE ALARM CONTROL PANEL
GFI	GROUND FAULT INTERRUPTED
LV	LOW VOLTAGE
TTB	TELEPHONE TERMINAL BOARD
UON	UNLESS OTHERWISE NOTED
(E)	EXISTING TO REMAIN
(N)	NEW
(R)	RELOCATE EXISTING
(X)	REMOVE EXISTING
SWITCHING:	
S	SINGLE POLE SWITCH, 46" AFF
SS	LOW VOLTAGE LIGHTING CONTROL STATION, 46" AFF
LC	LIGHTING CONTACTOR
(D) W	OCCUPANCY SENSOR: W-WALL, U-ULTRASONIC, D-DUAL TECH
(P)	OCCUPANCY POWER PACK

LIGHTING:

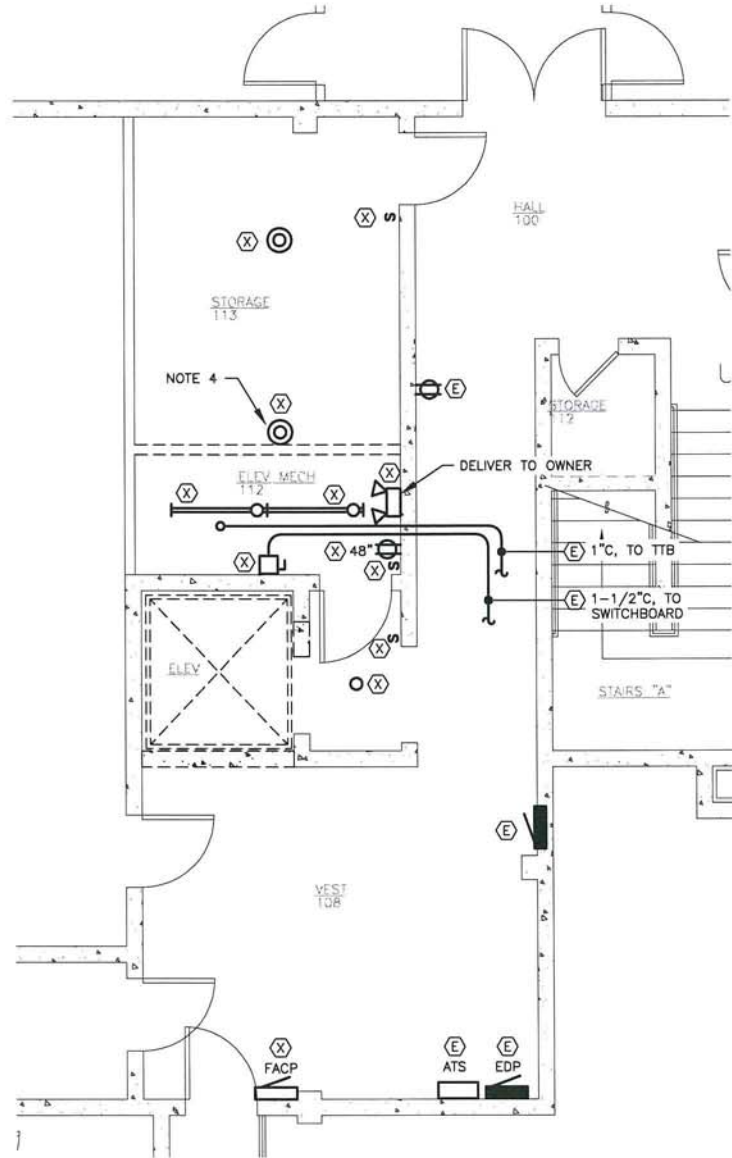
(O)	SURFACE OR SUSPENDED FLUORESCENT LUMINAIRE
(O) /	FLUORESCENT LUMINAIRE, EQUIP w/ SINGLE EMERGENCY BALLAST WHERE SHOWN. BODINE B30 OR APPROVED EQUAL.
(O) (dot)	RECESSED DOWNLIGHT LUMINAIRE
(O) (triangle)	WALL MOUNTED LUMINAIRE
(O) (X)	EMERGENCY (BUG EYE) LUMINAIRE
POWER:	
(D)	DUPLEX RECEPTACLE, 18" AFF UON.
(D) (D)	DOUBLE DUPLEX RECEPTACLE, 18" AFF
(D) (D) (D)	DUPLEX RECEPTACLE, ABOVE COUNTER
(D) (D) (D) (D)	MULTI-OUTLET RACEWAY
(D) (D) (D) (D) (D)	RECEPTACLE RACEWAY
(D) (D) (D) (D) (D) (D)	SPECIAL RECEPTACLE, 18" AFF UON.
(D) (D) (D) (D) (D) (D) (D)	JUNCTION BOX
(D) (D) (D) (D) (D) (D) (D) (D)	PANELBOARD
(D) (D) (D) (D) (D) (D) (D) (D) (D)	MOTOR CONNECTION
(D) (D) (D) (D) (D) (D) (D) (D) (D) (D)	DISCONNECT

LOW VOLTAGE:

(C)	CABINET
(S)	SMOKE DETECTOR
(H)	HEAT DETECTOR
(S) (X)	FIRE ALARM STROBE ONLY, 90" AFF TO BASE
(IM)	ADDRESSABLE DEVICE MODULE
(V)	DATA, 18" AFF UON.
(V) (V)	INTERCOM CALL STATION, 46" AFF
(C)	CLOCK, 90" AFF
(S)	WALL SPEAKER, 90" AFF
(S) (S)	ELECTROMAGNETIC DOOR HOLDER (120 VAC)
(K)	PROXIMITY CARD READER, 46" AFF
GENERAL:	
(H) (R)	HOME RUN
(C) (C)	CONDUIT: 1/2" UON.
(C) (C) (C)	UNGROUND CONDUCTORS (#12 AWG)
(C) (C) (C) (C)	NEUTRAL: #10 WITH DOT #12 OTHERWISE
(C) (C) (C) (C) (C)	GROUND CONDUCTOR
(C) (C) (C) (C) (C) (C)	CONDUCTORS NOT SHOWN WHERE ONLY #12 NEUTRAL AND UNGROUNDED CONDUCTOR ARE REQUIRED
(C) (C) (C) (C) (C) (C) (C)	CONDUIT w/ LOW VOLTAGE CONDUCTORS, SLASHES INDICATE NO. OF CONDUCTORS IF MORE THEN TWO
(C) (C) (C) (C) (C) (C) (C) (C)	FLEXIBLE CONDUIT

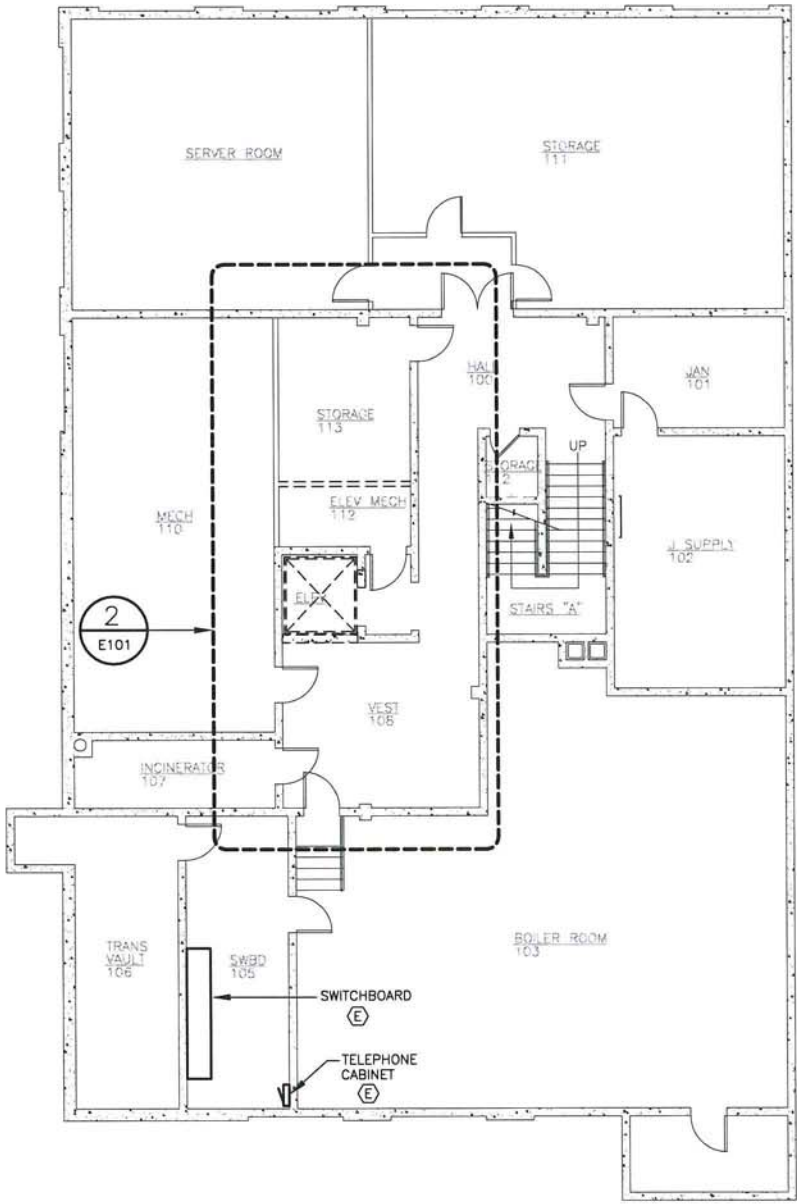
ELECTRICAL DEMOLITION NOTES:

1. REMOVE ALL CIRCUIT CONDUCTORS WITHIN PROJECT AREAS.
2. RETAIN EXISTING CONDUITS WHERE USABLE. REMOVE ALL ABANDONED AND ACCESSIBLE RACEWAYS AND BOXES WITHIN PROJECT AREAS.
3. REMOVE ALL LUMINAIRES IN ELEVATOR LOBBY, ELEVATOR MECH 112, STORAGE 113.
4. INSTALL BLANK COVER PLATE ON DEVICE BOX.
5. "PROJECT AREAS" ARE DEFINED AS AREAS WHERE ROOMS ARE TO BE RENOVATED. ELECTRICAL WORK MAY EXTEND OUTSIDE THESE AREAS IN ORDER TO FACILITATE WORK INSIDE THE AREAS.



2 ENLARGED BASEMENT PLAN - DEMOLITION

SCALE: 0 2' 4' 8'



1 BASEMENT FLOOR DEMOLITION PLAN

SCALE: 0 4' 8' 16'



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Juneau, Alaska

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- 2
- 3

SHEET TITLE
BASEMENT FLOOR
DEMOLITION
PLAN

DATE: MARCH 2012
FILE: 11078

E101



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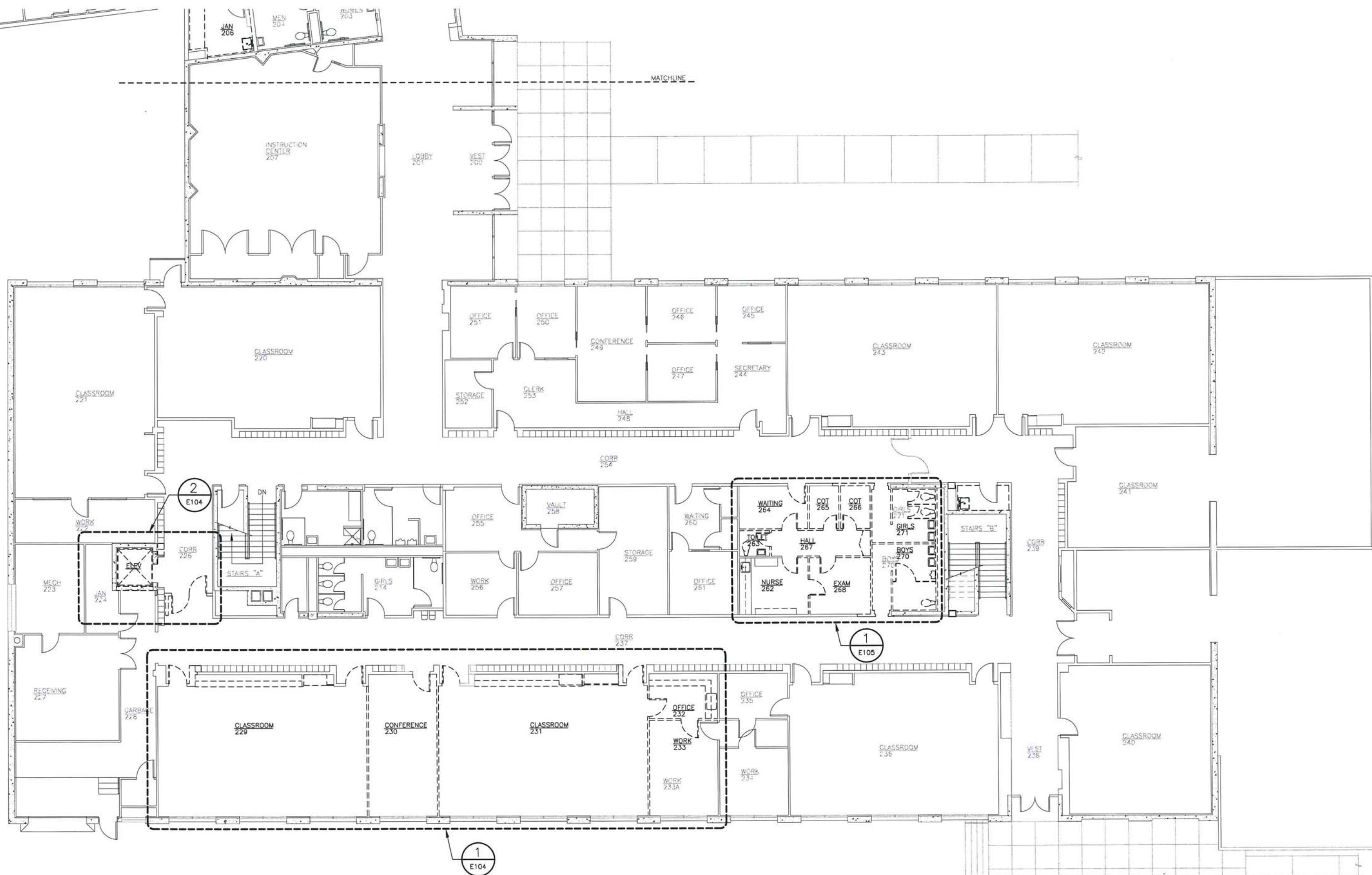
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SHEET TITLE
MAIN FLOOR
DEMOLITION
PLAN

DATE: MARCH 2012
FILE: 11078

E102a



1 MAIN FLOOR DEMOLITION PLAN

SCALE: 0 4' 8' 1



Mar 07, 2012 - 4:50pm
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2 ENLARGED PLAN - DEMOLITION

SCALE: 0 2' 4' 8'



1 MAIN FLOOR DEMOLITION PLAN

SCALE: 0 4' 8' 16'



ELECTRICAL DEMOLITION NOTES:

1. REMOVE ALL LIGHTING CIRCUIT CONDUCTORS WITHIN PROJECT AREA.
2. RETAIN EXISTING CONDUITS WHERE USABLE. REMOVE ALL ABANDONED AND ACCESSIBLE RACEWAYS AND BOXES WITHIN PROJECT AREA.
3. REMOVE ALL CEILING MOUNTED LUMINAIRES WITHIN PROJECT AREA, UNLESS OTHERWISE NOTED.
4. UNFASTEN PANEL AND CONDUITS FROM WALL TO ALLOW WALLBOARD REPLACEMENT. REFASTEN AFTER WALLBOARD REPLACED.
5. REPLACE RECEPTACLES AND DEVICE PLATES INSIDE PROJECT AREA. DEVICE PLATES SHALL BE SS302.
6. COORDINATE DEMOLITION OF LIGHTING AND CEILING WITH ABATEMENT CONTRACTOR WITH RESPECT TO NEW LIGHTING LAYOUT (SEE E302b).

PROJECT AREA - SEE NOTES
1, 2, 3, 5 & 6



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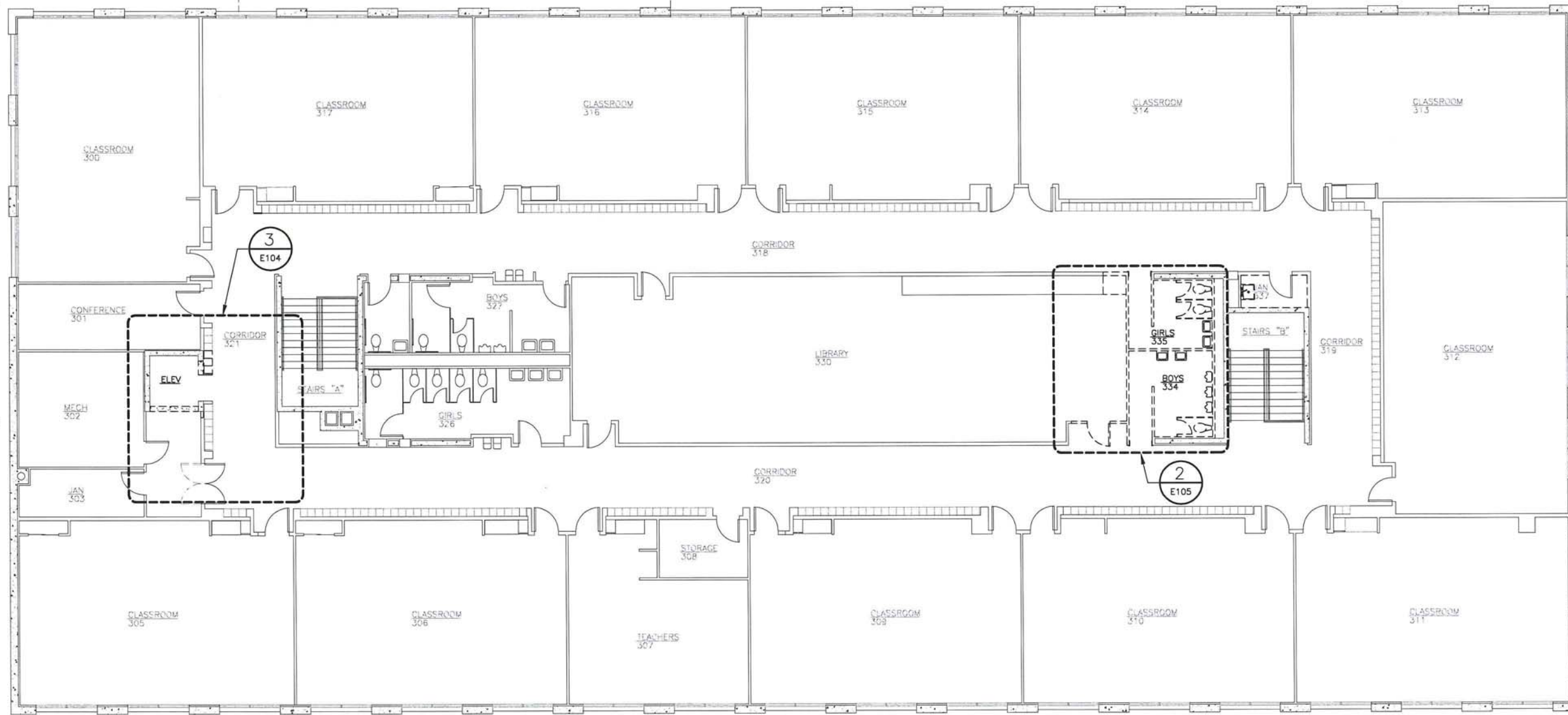


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MAIN FLOOR
DEMOLITION
PLAN

DATE: MARCH 2012
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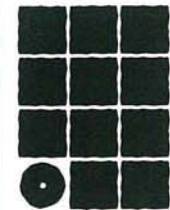
E102b

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1 SECOND FLOOR DEMOLITION PLAN

SCALE: 0 4' 8' 16'



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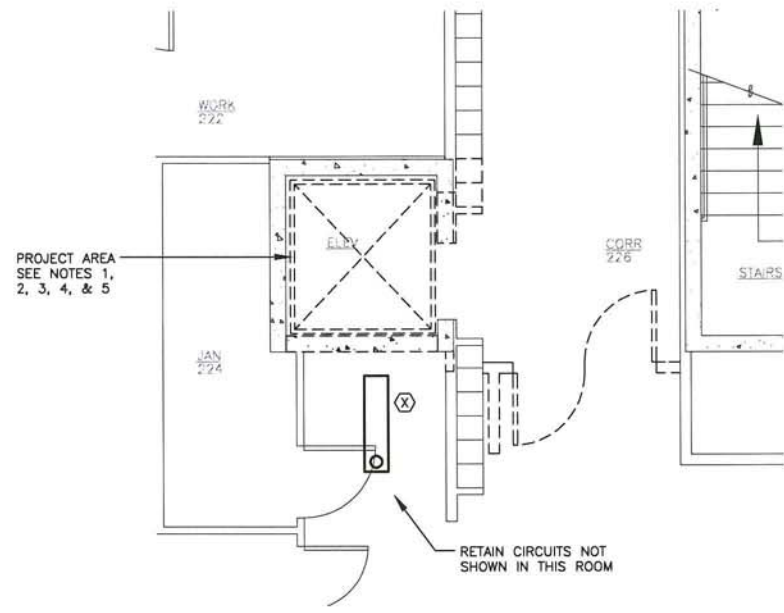


SHEET TITLE
**SECOND FLOOR
DEMOLITION
PLAN**

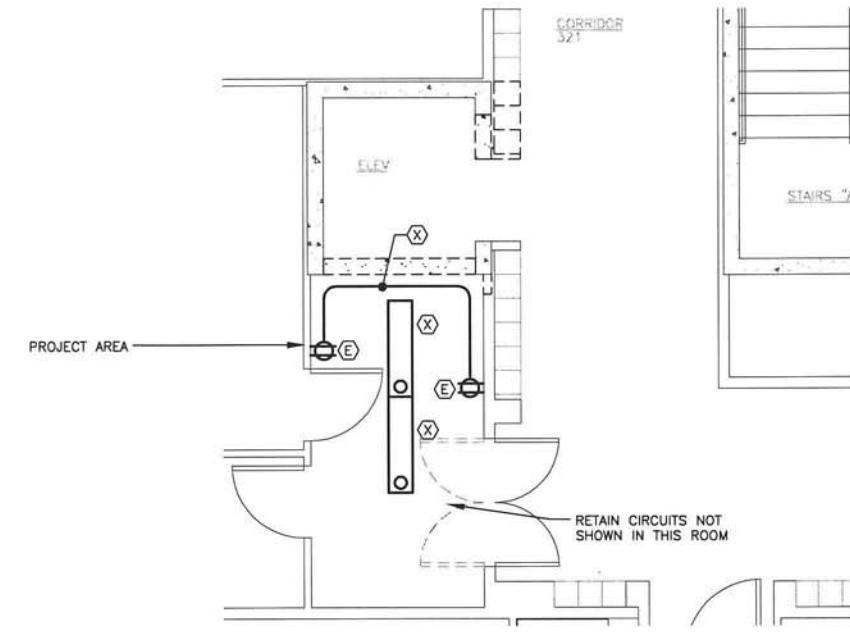
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E103

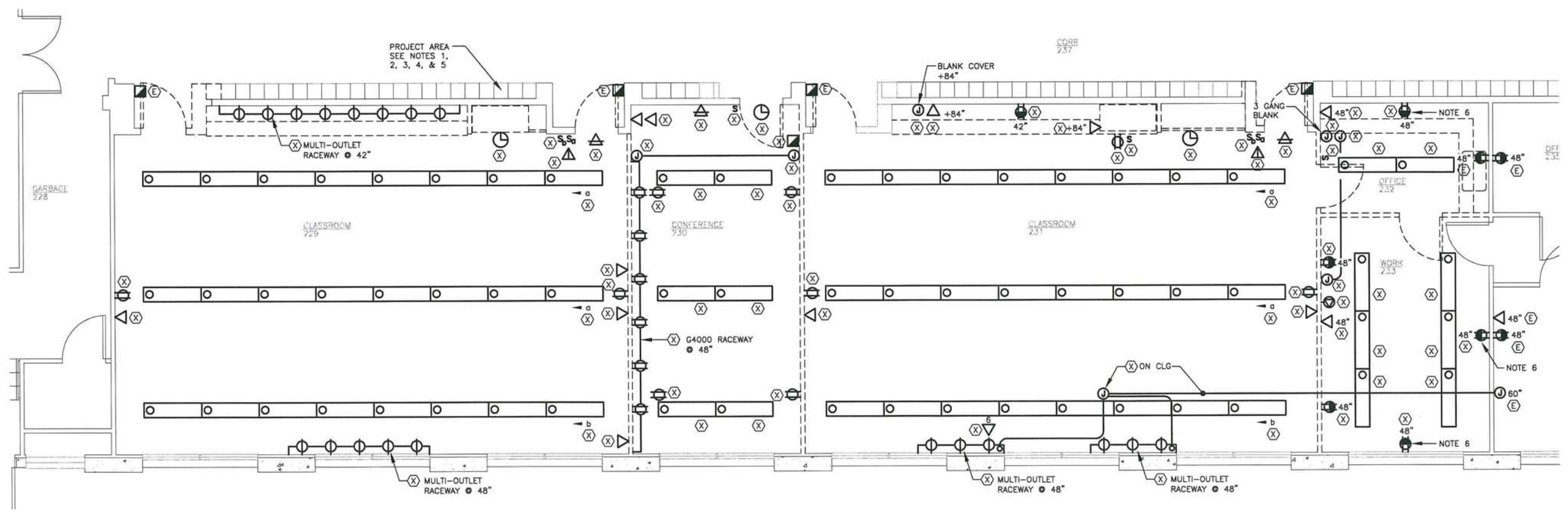
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2 ENLARGED MAIN FLOOR DEMOLITION PLAN SCALE: 0 2' 4' 8'

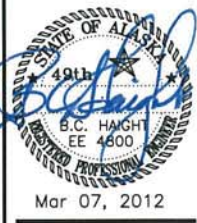


3 ENLARGED SECOND FLOOR DEMOLITION PLAN SCALE: 0 2' 4' 8'



1 ENLARGED MAIN FLOOR DEMOLITION PLAN SCALE: 0 2' 4' 8'

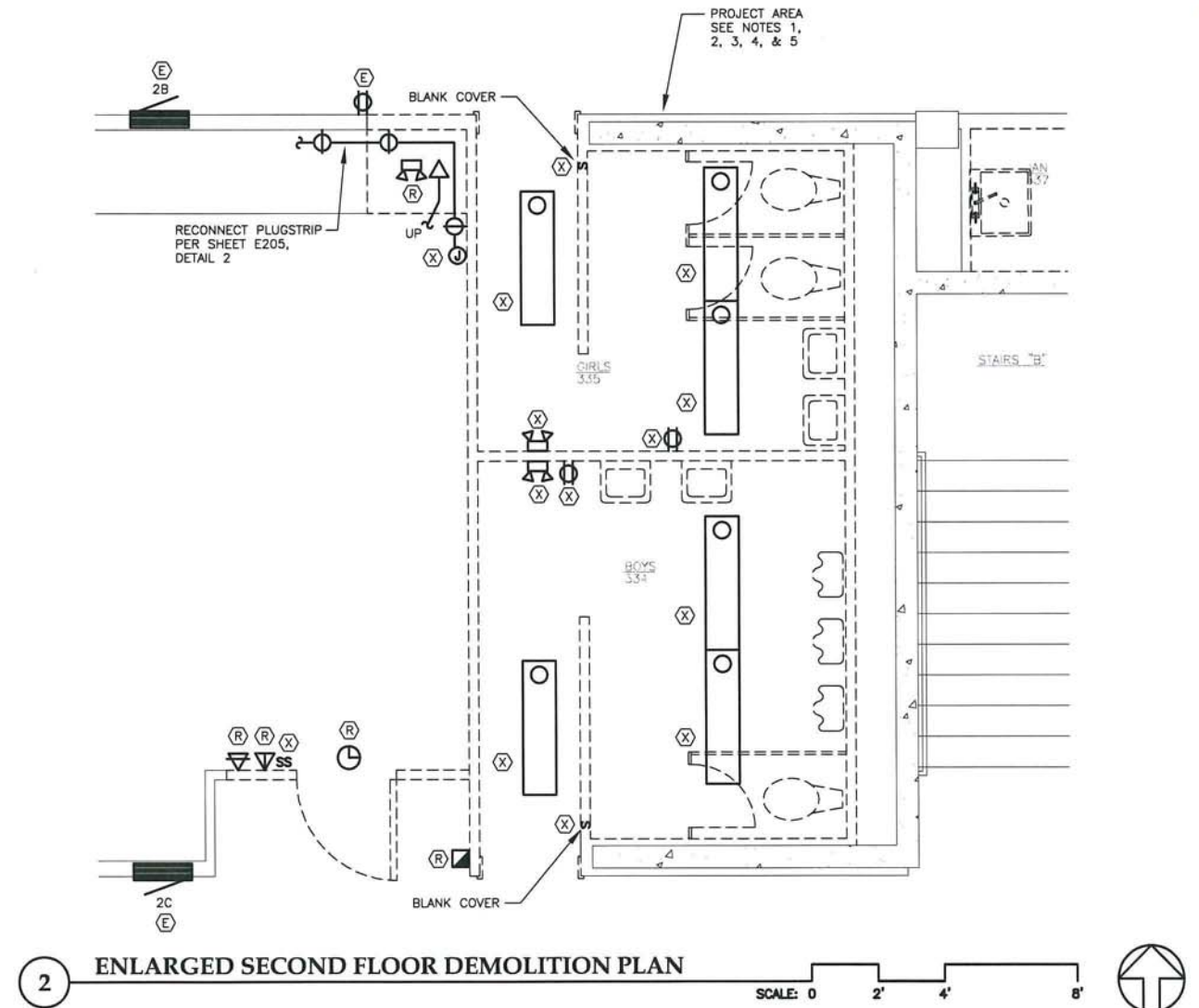
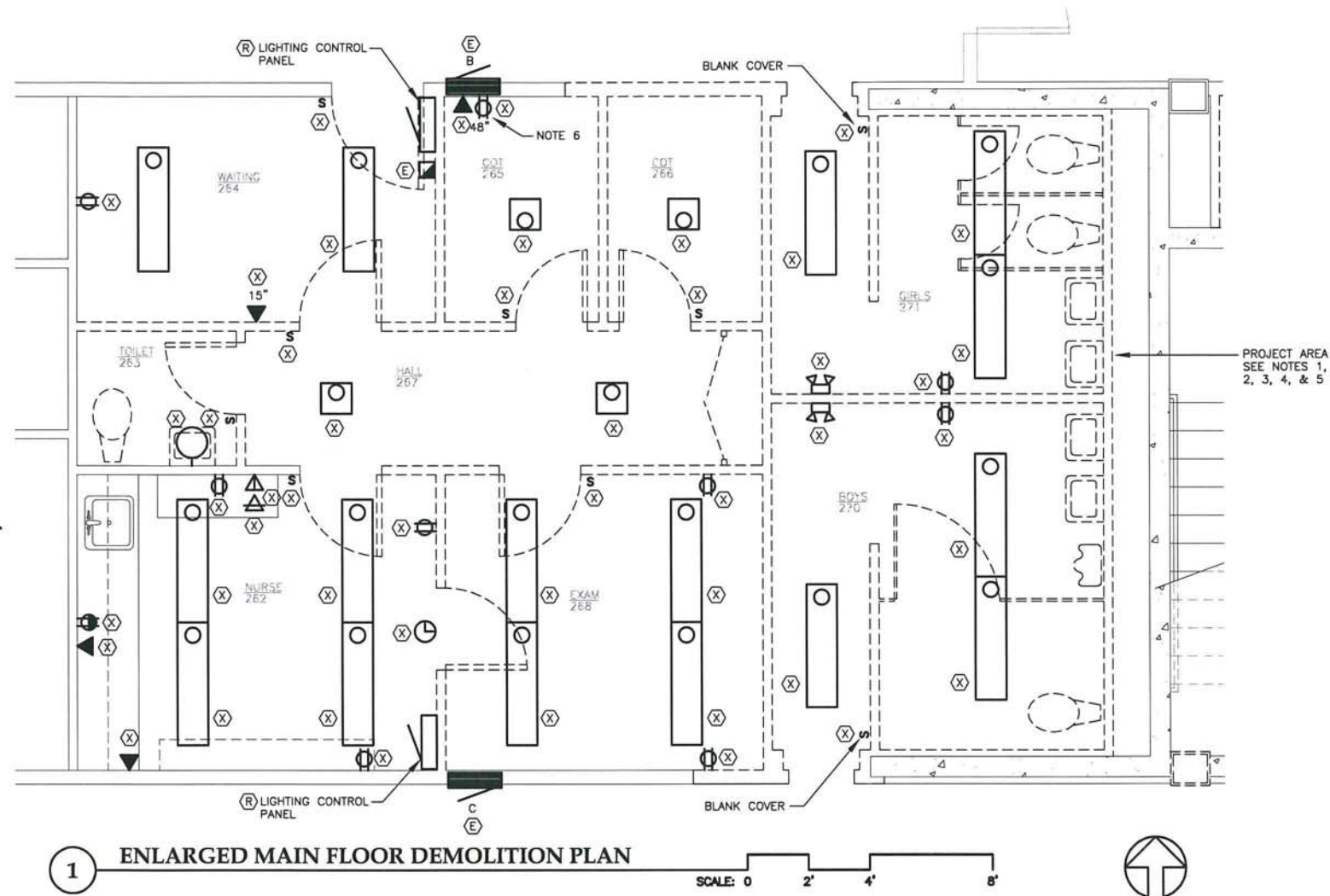
- ELECTRICAL DEMOLITION NOTES:
1. REMOVE ALL CIRCUIT CONDUCTORS WITHIN PROJECT AREAS.
 2. RETAIN EXISTING CONDUITS WHERE USABLE. REMOVE ALL ABANDONED AND ACCESSIBLE RACEWAYS AND BOXES WITHIN PROJECT AREAS.
 3. REMOVE ALL WIRING DEVICES, INCLUDING RECEPTACLES AND SWITCHES WITHIN PROJECT AREAS.
 4. REMOVE ALL LUMINAIRES WITHIN PROJECT AREAS.
 5. REMOVE INTERCOM, TELEPHONE, NETWORK DEVICES AND EQUIPMENT WITHIN PROJECT AREAS.
 6. REPLACE DEVICE AND PLATE, ONLY.



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ENLARGED DEMOLITION PLANS	
DATE: MARCH 2012	
FILE: 11078	
E104	

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ELECTRICAL DEMOLITION NOTES:

1. REMOVE ALL CIRCUIT CONDUCTORS WITHIN PROJECT AREAS.
2. RETAIN EXISTING CONDUITS WHERE USABLE. REMOVE ALL ABANDONED AND ACCESSIBLE RACEWAYS AND BOXES WITHIN PROJECT AREAS.
3. REMOVE ALL WIRING DEVICES, INCLUDING RECEPTACLES AND SWITCHES WITHIN PROJECT AREAS.
4. REMOVE ALL LUMINAIRES WITHIN PROJECT AREAS.
5. REMOVE INTERCOM, TELEPHONE, NETWORK DEVICES AND EQUIPMENT WITHIN PROJECT AREAS.
6. REPLACE DEVICE AND PLATE, ONLY.



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SHEET TITLE
ENLARGED
DEMOLITION
PLANS

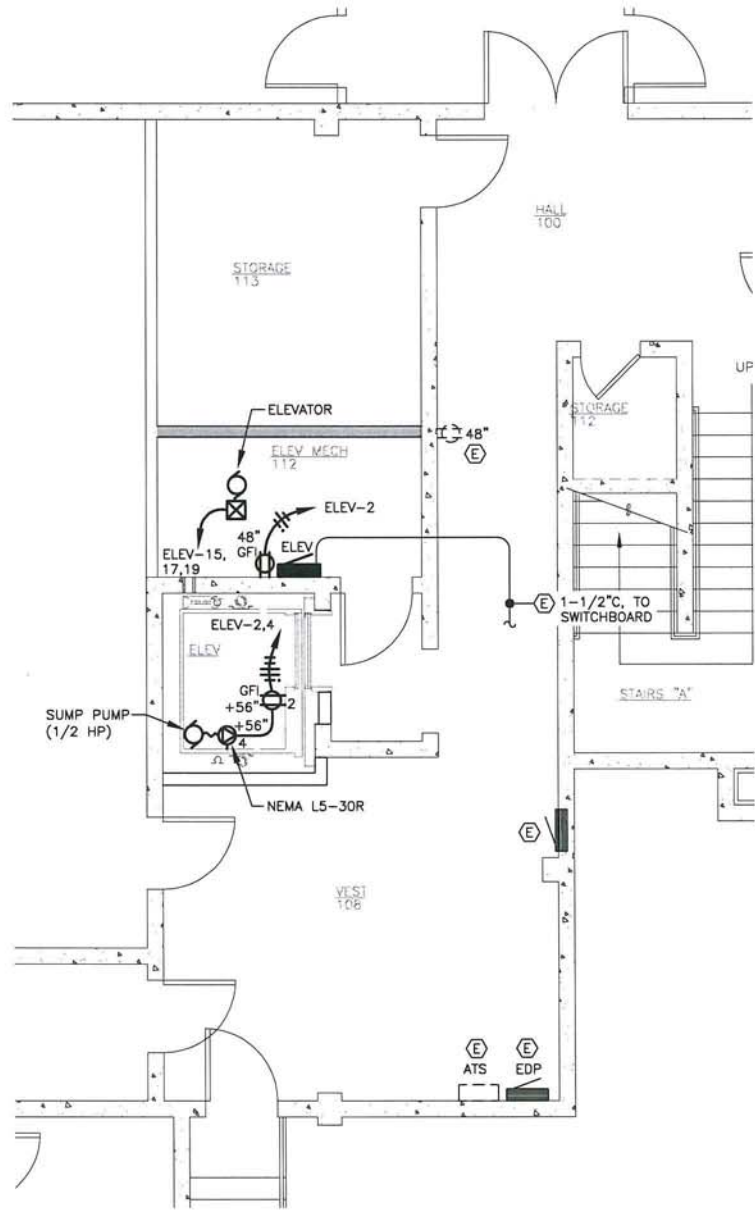
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E105

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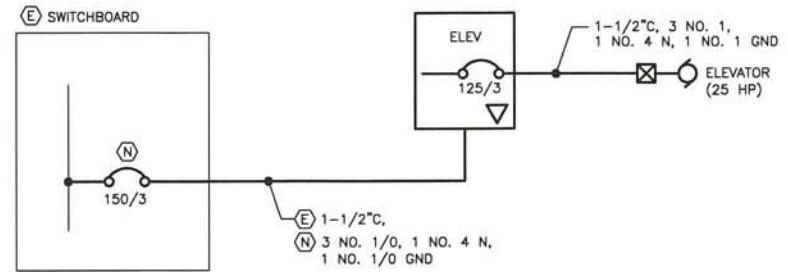
PANEL ELEV			SIZE		VOLTS/PHASE				MAIN		LOCATION		MOUNT	
			200 AMPS		208Y/120V 3 PH				MLO		ELEV MECH 112		SURFACE	
C K T NO	DESCRIPTION	LTG	BREAKER AMP/ POLE	KVA					BREAKER AMP/ POLE	DESCRIPTION	C K T NO			
				CKT	AØ	BØ	CØ	CKT						
1	ELEV MECH 112, ELEV PIT	LTG	20/1	0.3	0.7			0.4	20/1	ELEV MECH 112, ELEV PIT	Ⓐ	2		
3	SPARE		20/1	0.0			1.2	20/1	20/1	SUMP PUMP (1/2 HP)	Ⓑ	4		
5	SPARE		20/1	0.0				0.1	0.1	20/1	ACCESS CONTROLS		6	
7	SPACE			0.0	0.0			0.0	20/1	20/1	SPARE		8	
9							0.0	0.0	20/1	20/1	SPARE		10	
11	↓			0.0				0.0	0.0		SPACE		12	
13	CAR LIGHTING		20/1	0.2	0.2			0.0					14	
15	ELEVATOR (25 HP)		125/3	8.0			8.0	0.0					16	
17	----		--	8.0				8.0	0.0				18	
19	----		--	8.0	8.0			0.0					20	
BALANCED CONNECTED LOAD: 26.2 KVA / 72.8 AMPS					8.9	9.2	8.0							
MAXIMUM CONNECTED LOAD: 26.2 KVA / 76.7 AMPS														

* PROVIDE WITH PADLOCK HASP, OR PROVIDE SEPARATE LOCKING DISCONNECT.

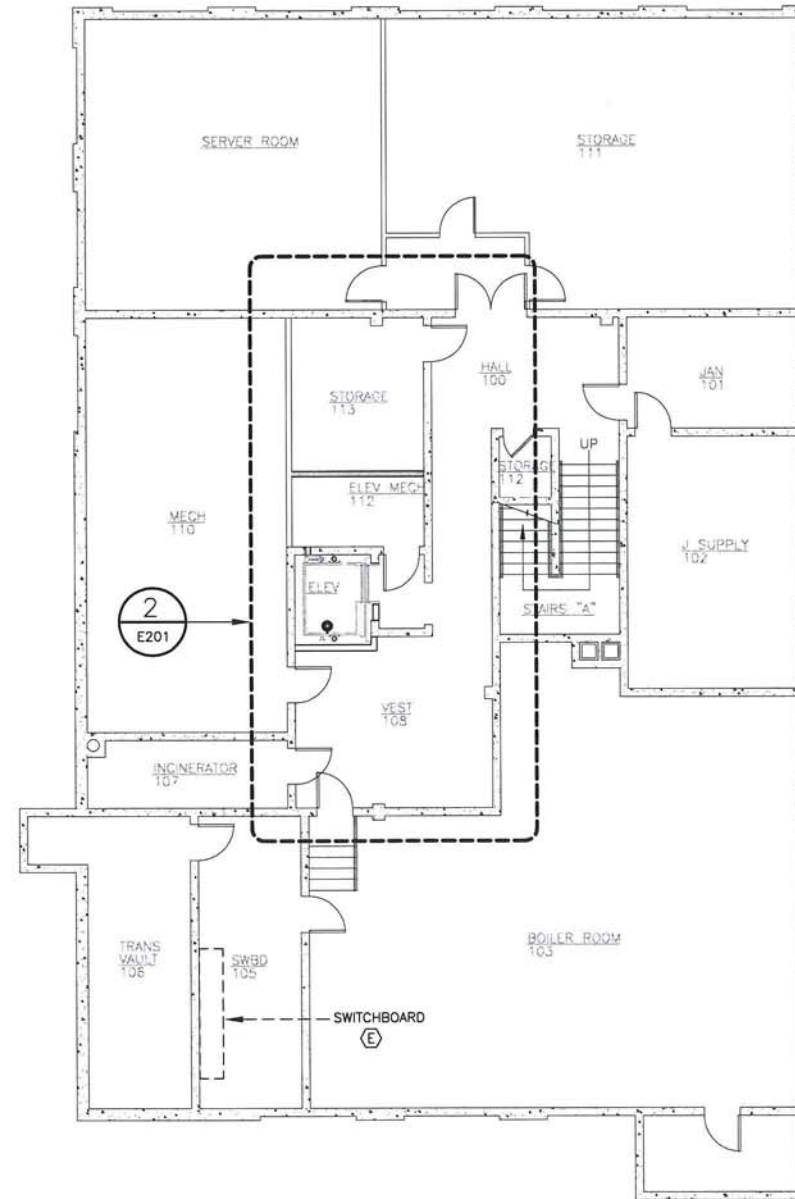


2 ENLARGED BASEMENT PLAN - POWER

SCALE: 0 2' 4' 8'



3 PARTIAL SINGLE LINE DIAGRAM



1 BASEMENT FLOOR PLAN - POWER

SCALE: 0 4' 8' 16'



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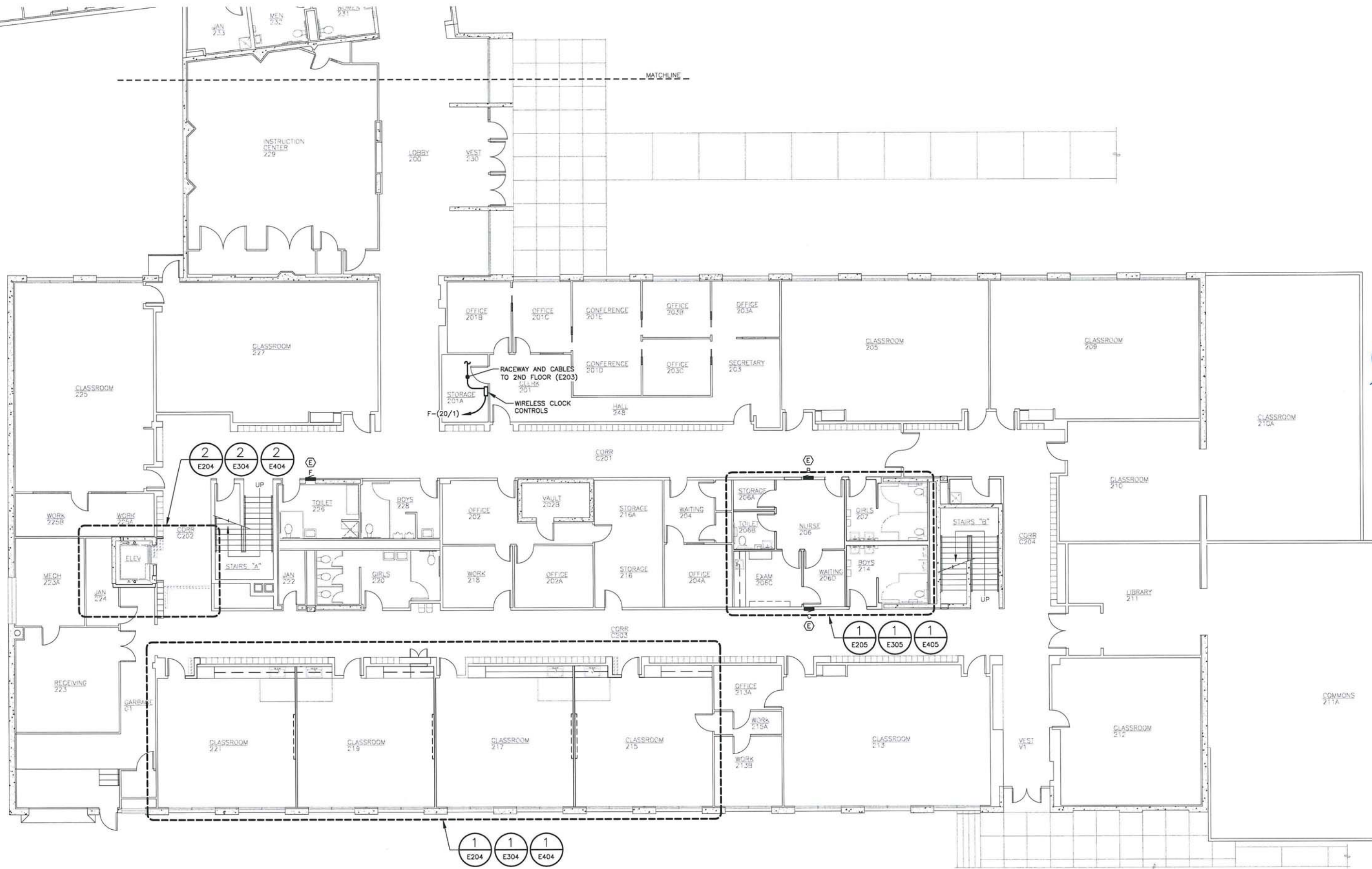


SHEET TITLE
BASEMENT FLOOR
PLAN
POWER

DATE: MARCH 2012
FILE: 11078

E201

Mar 07, 2012 - 5:24pm
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1 MAIN FLOOR PLAN

SCALE: 0 4' 8' 16'



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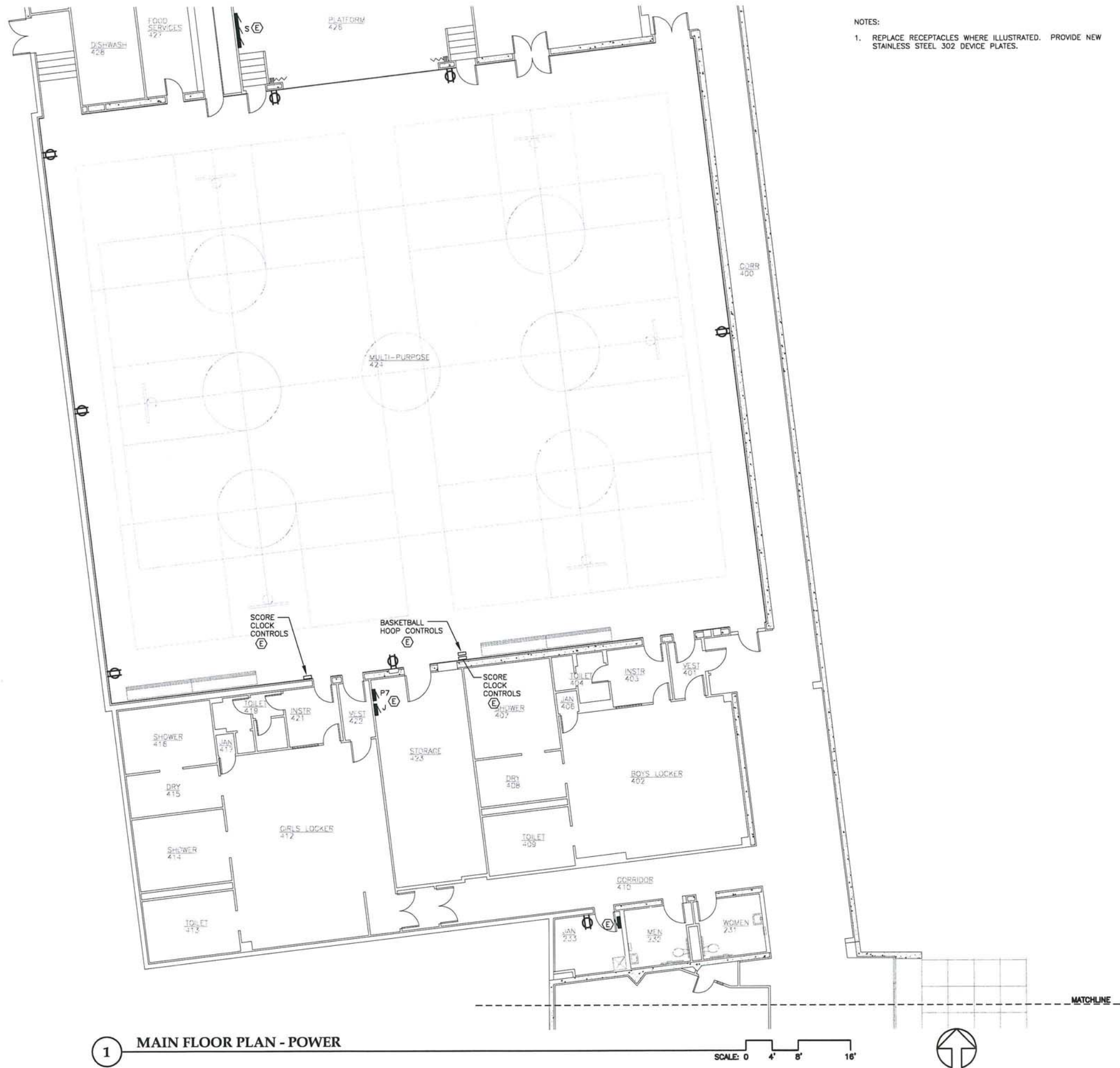


SHEET TITLE
MAIN FLOOR
PLAN

DATE: MARCH 2012
FILE: 11078

E202a

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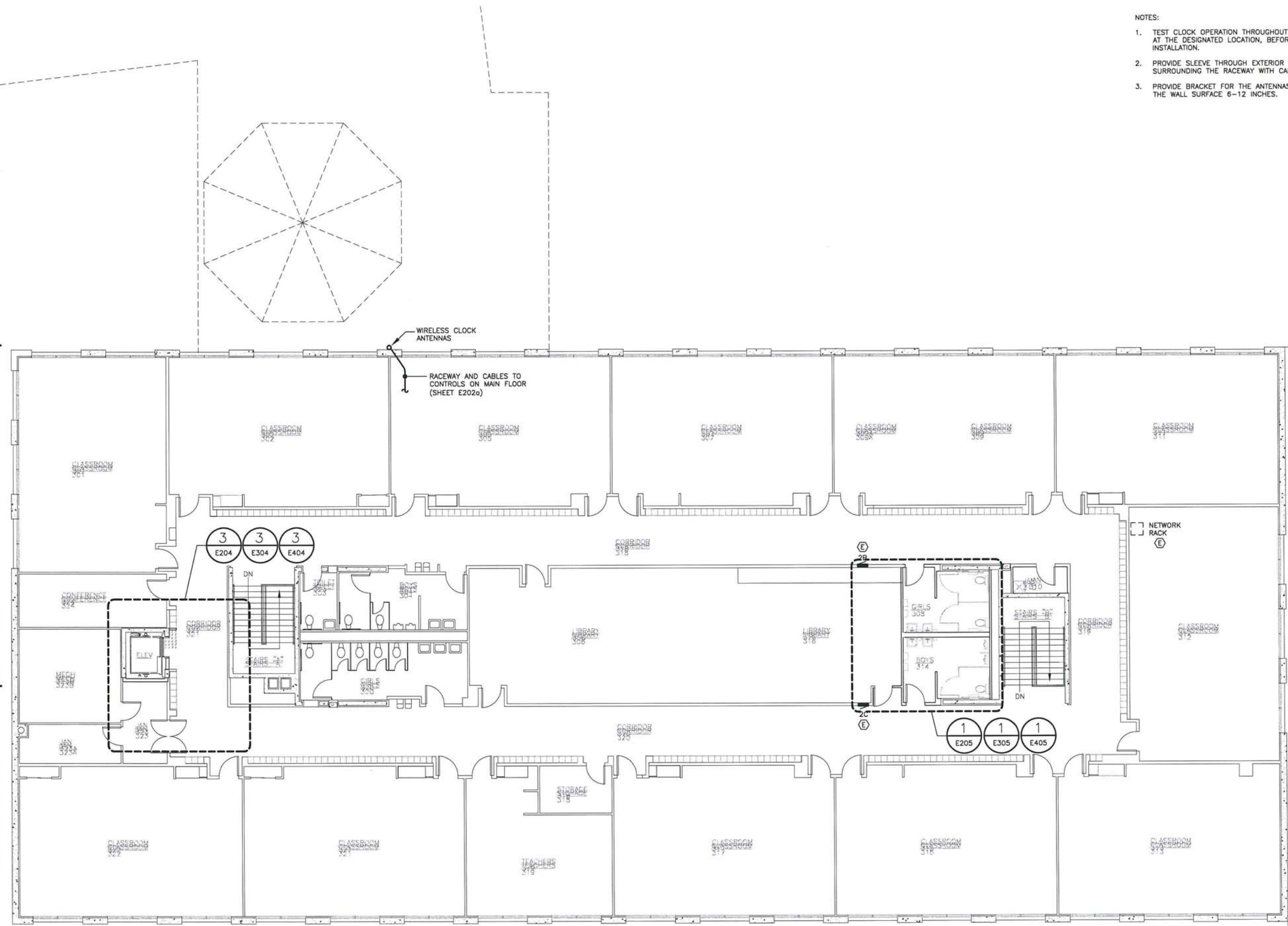


SHEET TITLE
**MAIN FLOOR
PLAN
POWER**

DATE: MARCH 2012
FILE: 11078

E202b

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- NOTES:
1. TEST CLOCK OPERATION THROUGHOUT BUILDING WITH THE ANTENNA AT THE DESIGNATED LOCATION, BEFORE MAKING THE FINAL INSTALLATION.
 2. PROVIDE SLEEVE THROUGH EXTERIOR WALL WITH CAULK SURROUNDING THE RACEWAY WITH CABLE.
 3. PROVIDE BRACKET FOR THE ANTENNAS, EXTENDING THEM FROM THE WALL SURFACE 6-12 INCHES.

1 SECOND FLOOR PLAN

SCALE: 0 4' 8' 16'



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B.C. HAIGHT
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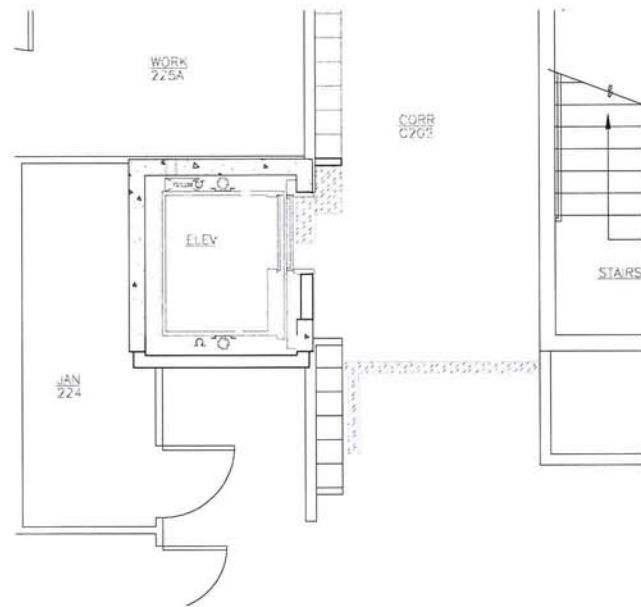
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SHEET TITLE
SECOND FLOOR PLAN

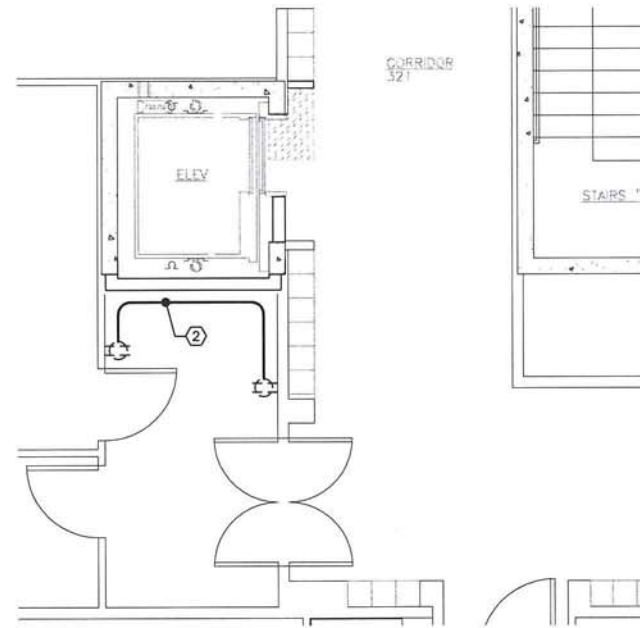
DATE: MARCH 2012
FILE: 11078

E203

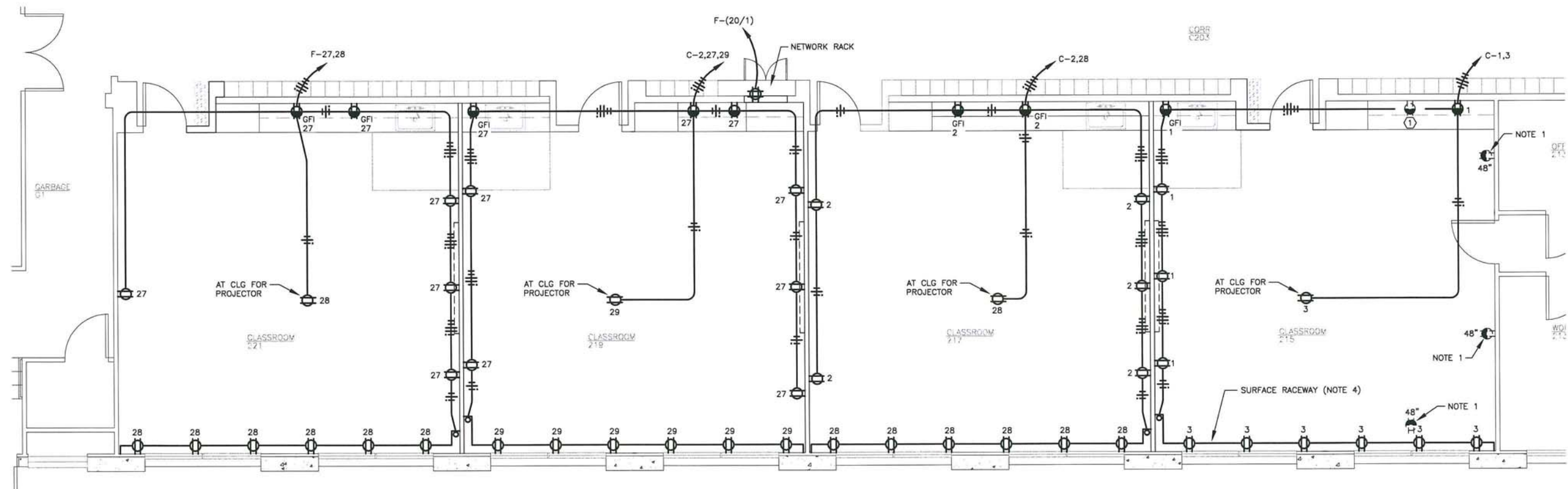
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2 ENLARGED MAIN FLOOR PLAN - POWER
SCALE: 0 2' 4' 8'



3 ENLARGED SECOND FLOOR PLAN - POWER
SCALE: 0 2' 4' 8'



1 ENLARGED MAIN FLOOR PLAN - POWER
SCALE: 0 2' 4' 8'

NOTES:

- 1 REPLACE EXISTING DUPLEX RECEPTACLE.
- 2 NEW 1/2" CONDUIT, 2 NO. 12, SURFACE MOUNT.
- 3 REUSE EXISTING CONDUIT WHERE POSSIBLE.
- 4 PROVIDE DUAL DUCT RACEWAY ALLOWING POWER AND NETWORK SYSTEMS. SEE E404. MOUNT AT ELEVATION PER ARCHITECT.
- 5 CUT AND PATCH WALL AND CEILING AS NEEDED TO ACCESS CAVITIES.



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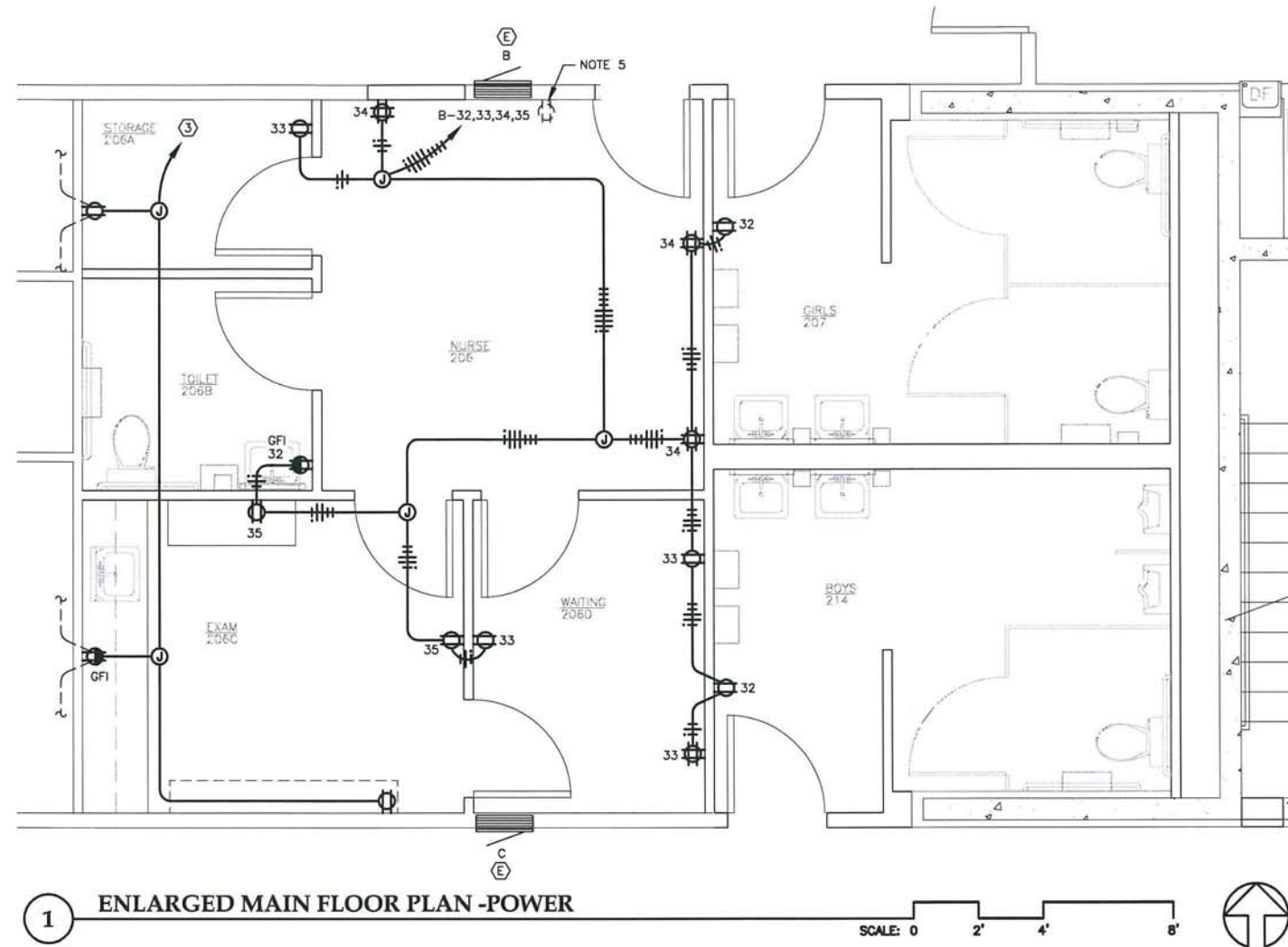


SHEET TITLE
**ENLARGED
PLANS
POWER**

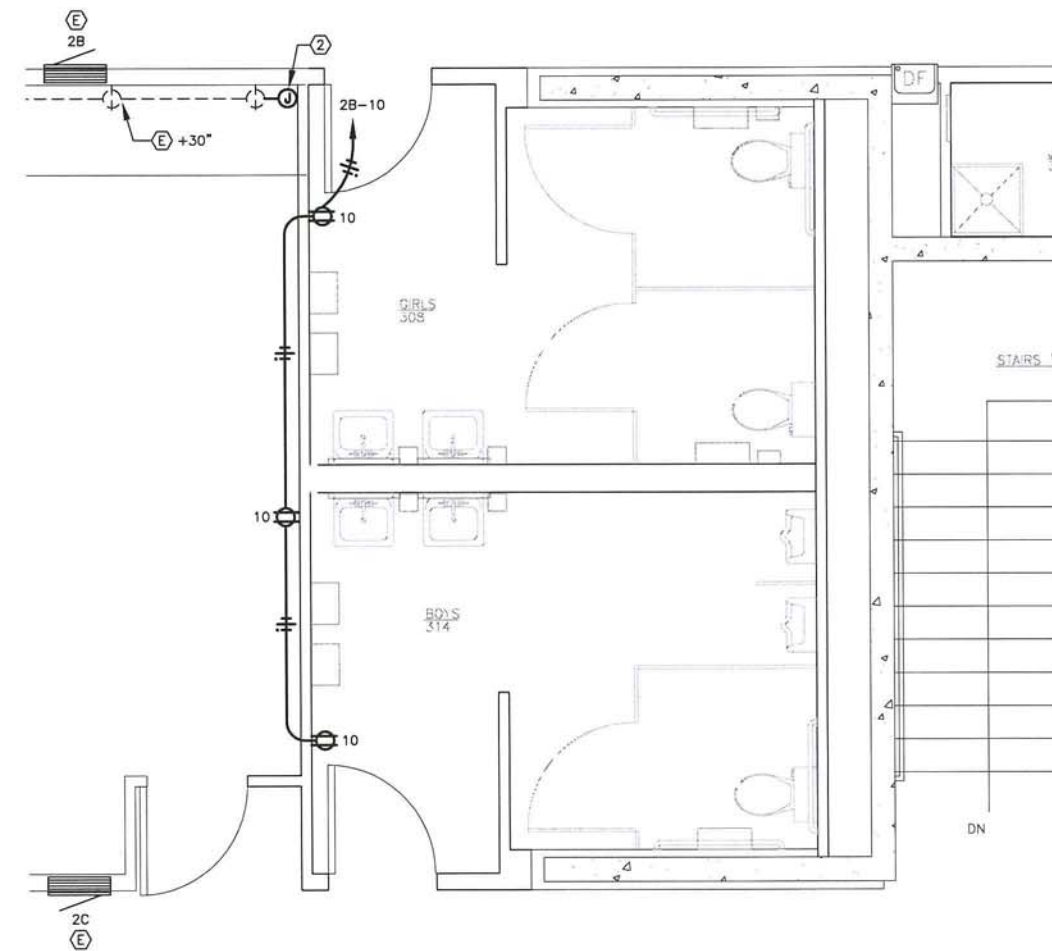
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E204

Mar 07, 2012 - 4:48pm
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- NOTES:
1. REUSE EXISTING CONDUIT WHERE POSSIBLE.
 2. RECONNECT EXISTING MULTI-OUTLET RACEWAY TO EXISTING CIRCUIT.
 3. RECONNECT TO EXISTING CIRCUIT.
 4. CUT AND PATCH WALL AND CEILING AS NEEDED TO ACCESS CAVITIES.
 5. REPLACE DEVICE AND PLATE.



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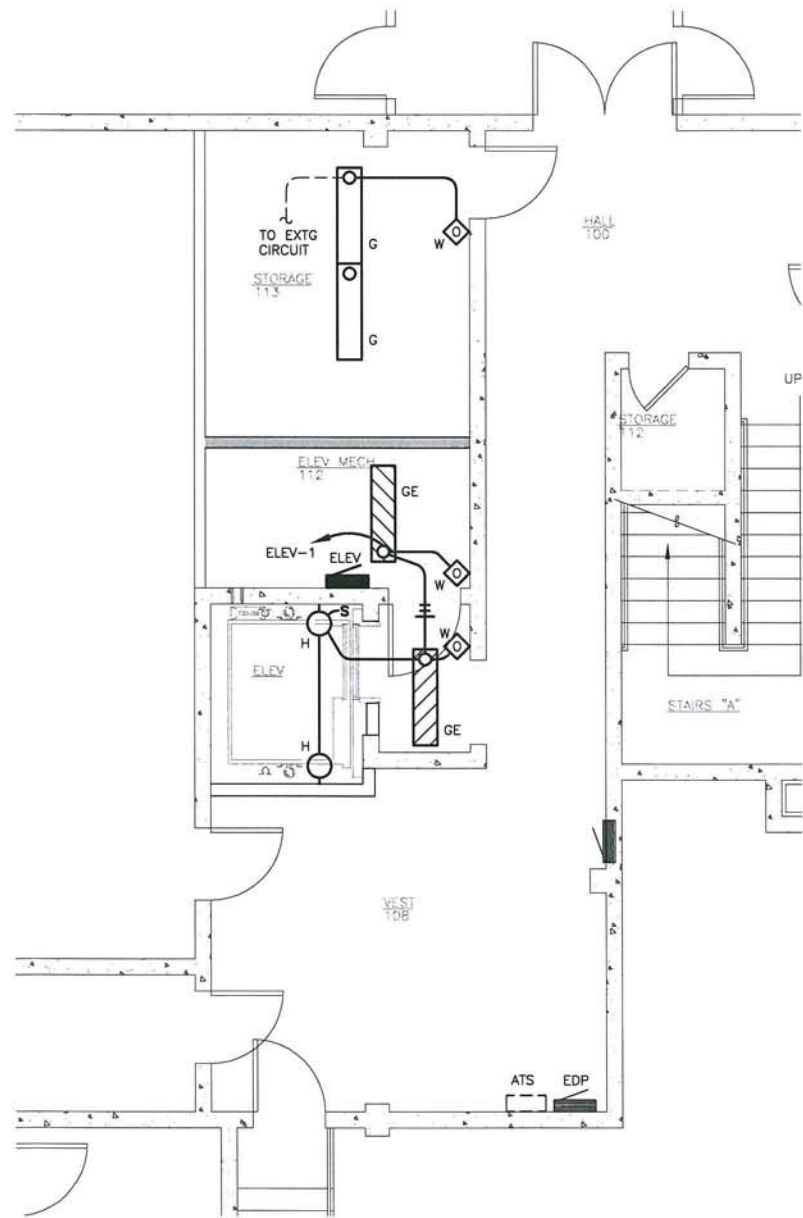


SHEET TITLE
**ENLARGED
PLANS
POWER**

DATE: MARCH 2012
FILE: 11078

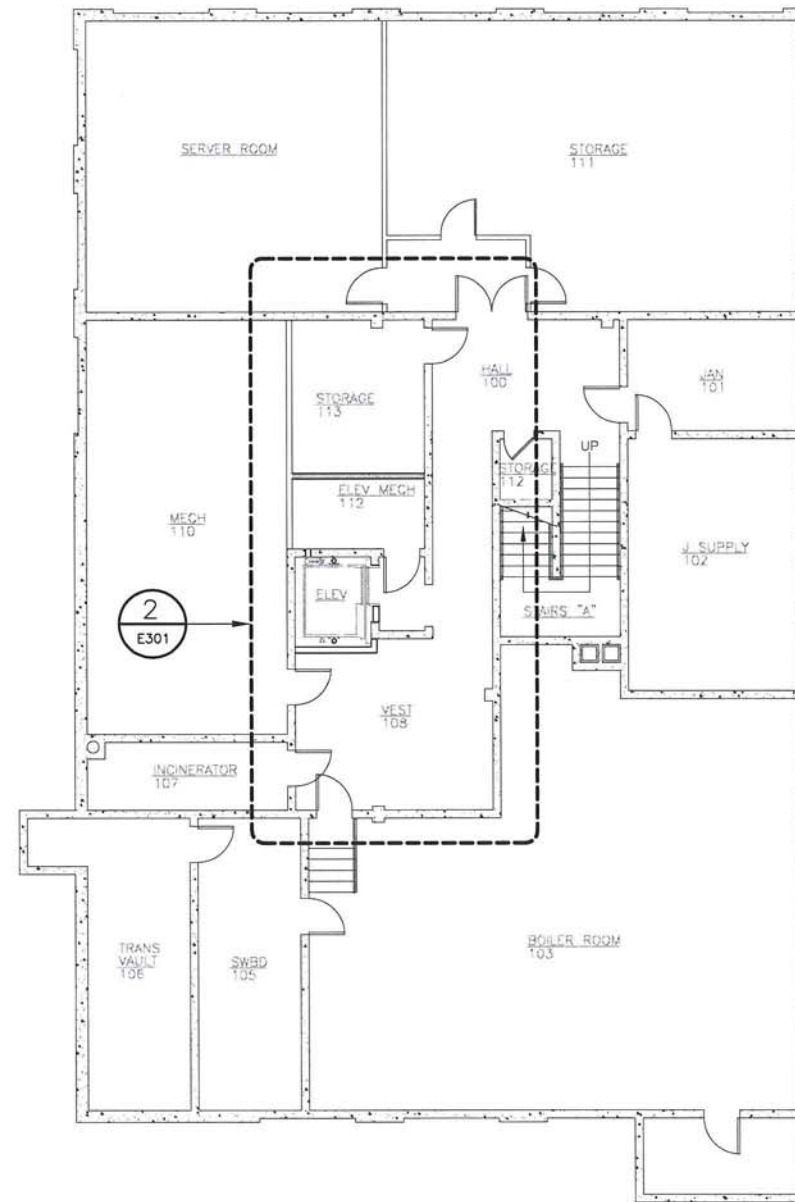
E205

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2 ENLARGED BASEMENT PLAN -LIGHTING

SCALE: 0 2' 4' 8'



1 BASEMENT FLOOR PLAN

SCALE: 0 4' 8' 16'



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**BASEMENT FLOOR
PLAN
LIGHTING**

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FILE: 11078

E301

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NOTES:

1. CUT AND PATCH WALL AND CEILING AS NEEDED TO FACILITATE NEW LIGHTING LAYOUT. COORDINATE WITH ABATEMENT WORK.
2. EXISTING LIGHTING DEVICE BOXES MAY NOT BE POSITIONED TO PROVIDE LUMINAIRE LAYOUT AS SHOWN. EXTEND CIRCUITS FROM EXISTING BOXES TO NEW BOXES USING MC CABLE. PROVIDE BLANK COVERS ON UNUSED BOXES.
3. CONTROL WIRING NOT ILLUSTRATED. PROVIDE AS-BUILT INSTALLATION OF CABLES AFTER COMPLETED.
4. REFER TO SHEET E306, DETAIL 2 FOR LIGHTING CONTROL SCHEME. ILLUMINATION OF EACH SIDE OF THE CURTAIN SHALL BE SEPARATELY CONTROLLED FROM THE SAME STATIONS.
5. MOUNT SWITCH CONTROL STATION INSIDE ENCLOSURE WITH LOCKING DOOR. THE DOOR SHALL INCLUDE A POLYCARBONATE WINDOW ALLOWING VIEW OF THE CONTROL STATION. THE LOCK SHALL BE CORED AND KEYED PER THE JUNEAU SCHOOL DISTRICT.

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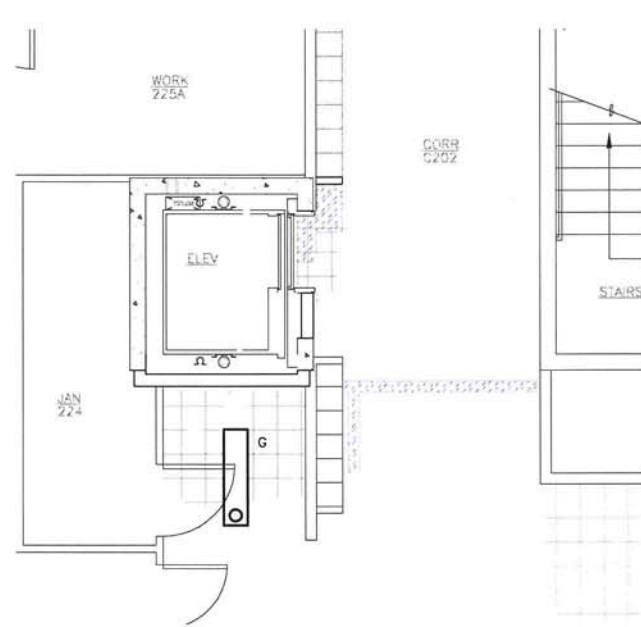
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SHEET TITLE
**MAIN FLOOR
PLAN
LIGHTING**

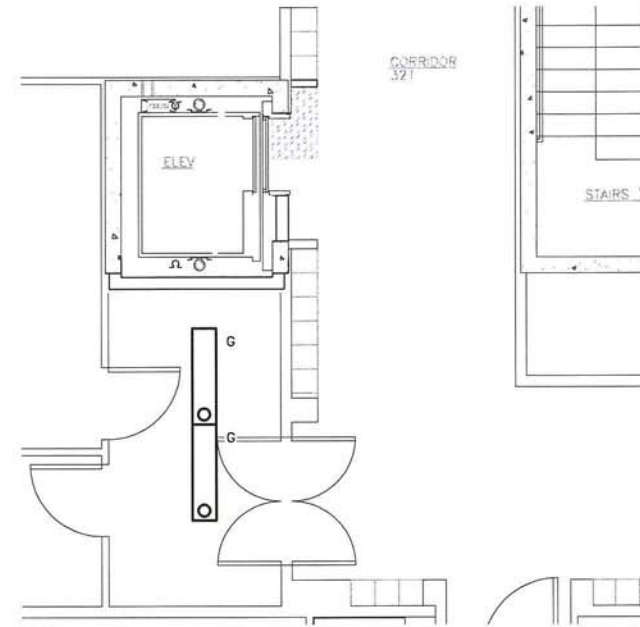
DATE: MARCH 2012
FILE: 11078

E302b

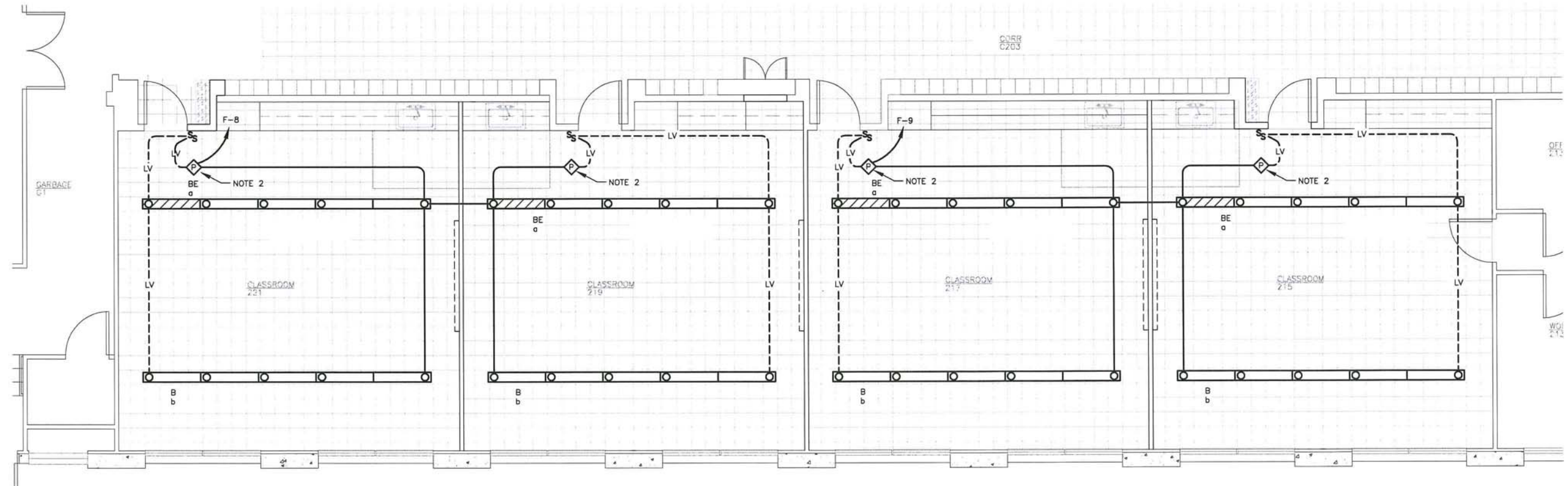
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2 ENLARGED MAIN FLOOR PLAN - LIGHTING
SCALE: 0 2' 4' 8'



3 ENLARGED SECOND FLOOR PLAN - LIGHTING
SCALE: 0 2' 4' 8'



1 ENLARGED MAIN FLOOR PLAN - LIGHTING
SCALE: 0 2' 4' 8'

NOTES:

1. CUT AND PATCH WALL AND CEILING AS NEEDED TO ACCESS CAVITIES.
2. LOCATE IN JUNCTION BOX PER INSTRUCTION, SHEET E306, DETAIL 1.



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MARIE DRAKE SCHOOL
RENOVATION
Juneau, Alaska

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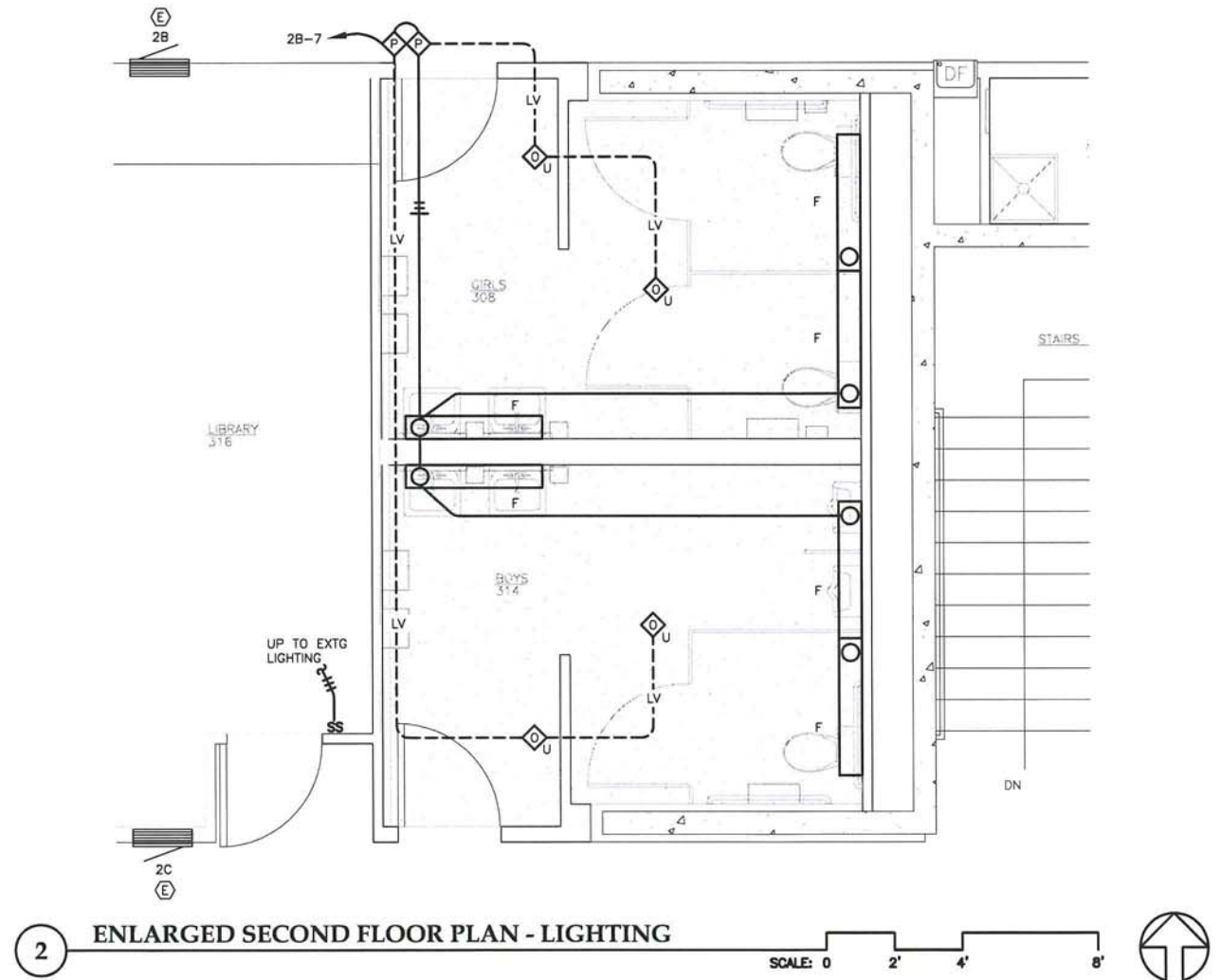
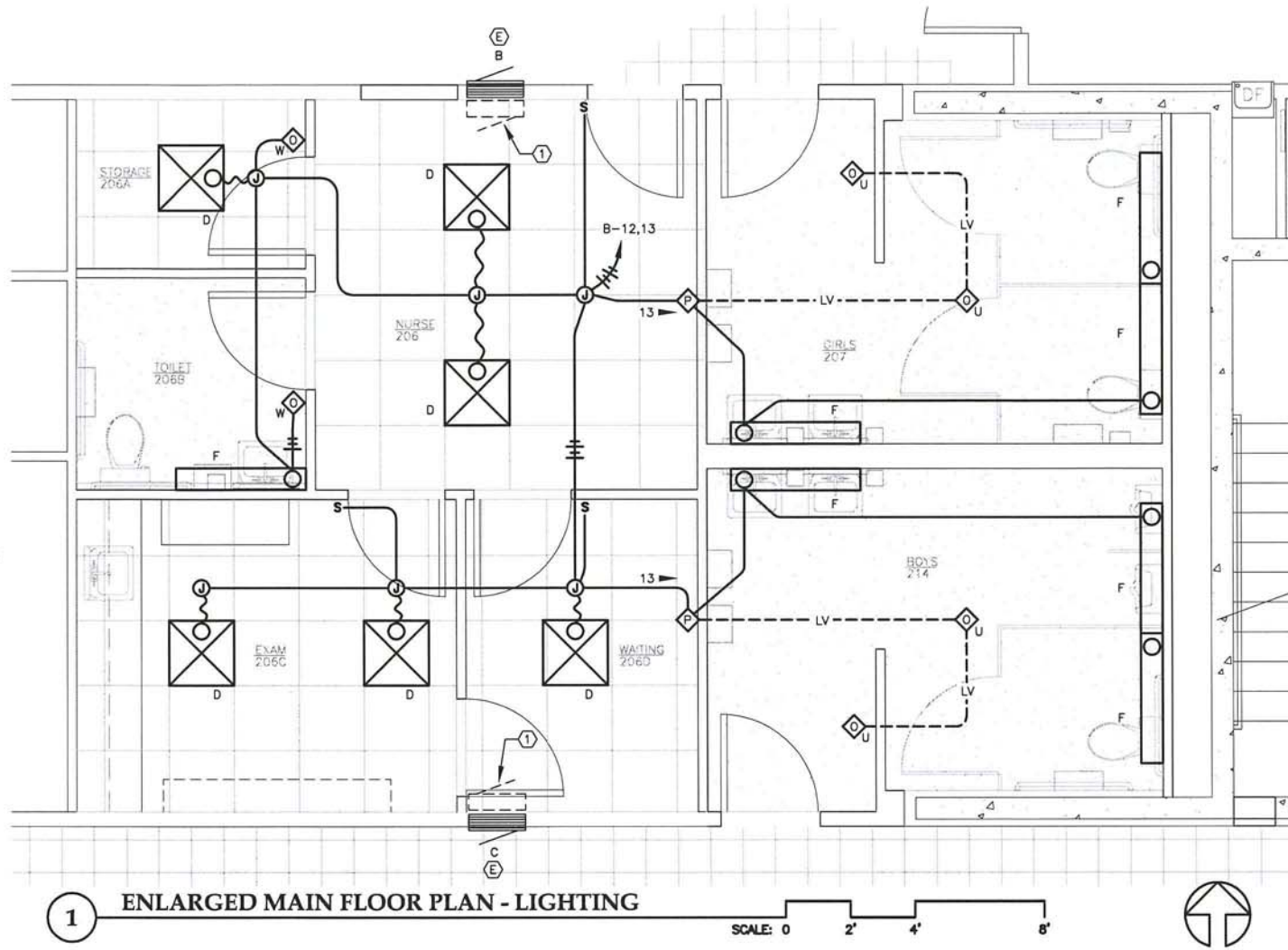
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ENLARGED
PLANS
LIGHTING

DATE: MARCH 2012
FILE: 11078

E304

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NOTES:

1. EXISTING LIGHTING CONTACTORS. RELOCATE TO ABOVE CEILING. RECONNECT EXISTING CIRCUITING.
2. CUT AND PATCH WALL AND CEILING AS NEEDED TO ACCESS CAVITIES.



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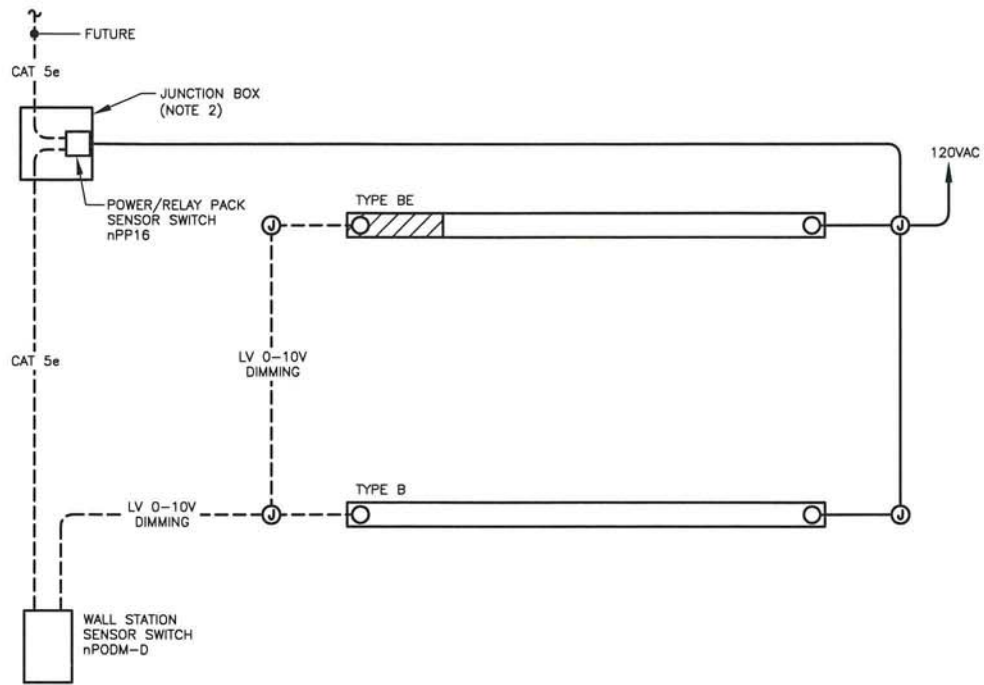
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SHEET TITLE
**ENLARGED
PLANS
LIGHTING**

DATE: MARCH 2012
FILE: 11078

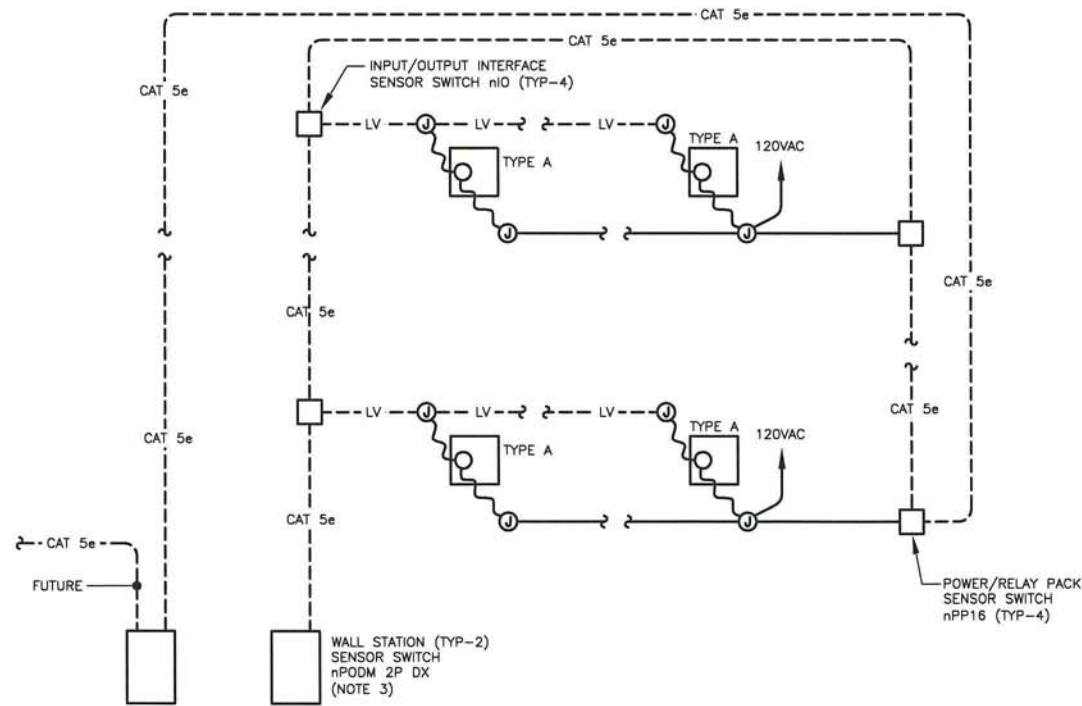
E305



1 SCHEMATIC DIAGRAM - CLASSROOM LIGHTING CONTROLS

NOTES:

1. BASIS OF DESIGN: SENSOR SWITCH, nLIGHT PRODUCTS.
2. MOUNT POWER/RELAY PACK INSIDE 8"x8"x4" JUNCTION BOX. CONCEAL JUNCTION BOX BEHIND SPEAKER.
3. CONFIGURE CONTROLS TO OPERATE THE LIGHTING ON EACH SIDE OF THE CURTAIN SEPARATELY.



2 SCHEMATIC DIAGRAM - GYMNASIUM LIGHTING CONTROLS

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
A	24"x18" DIRECT MOUNT LED CANOPY LIGHT, CAST ALUMINUM WITH INTEGRAL LED DRIVER, TYPE V MEDIUM DISTRIBUTION, WHITE FINISH	BETA LED CAN-EDG-5M-DM-16-D-UL-WH-350-43K	179W WHITE LED 4300K, CRI 85	
B	20' SUSPENDED LINEAR FLUORESCENT INDIRECT/DIRECT, EXTRUDED ALUMINUM HOUSING, STRAIGHT BLADE BAFFLES, WHITE FINISH, ELECTRONIC DIMMING BALLAST, ADJUSTABLE CABLE GRIPS, DUST COVER, 2 LAMP IN SECTION	PEERLESS LIGHTING ICM8 2 32T8 20' R4 120 ADVANCE MARK 10 SCT L/LP F2/21 C041 ACG DU	(2) 32W T8 3500K, CRI 85	MOUNT 8'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
BE	SAME AS TYPE B, WITH ONE 4 FT SECTION WITH EMERGENCY BATTERY PACK.	PEERLESS LIGHTING ICM8 2 32T8 20' R4 120 ADVANCE MARK 7 1SE EL SCT L/LP F2/21 C041 ACG DU	(2) 32W T8 3500K, CRI 85	MOUNT 8'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
C	NOT USED			
D	2x2 RECESSED LED TROFFER, SILVER ALUMINUM HOUSING, INTEGRAL ELECTRONIC DRIVER	LUNERA 2200-DR-S-3500-MV-059-SS-IN-3100-AA	59W WHITE LED 3500K, CRI 85	
F	4' WALL MOUNTED LINEAR FLUORESCENT WRAPAROUND, STEEL HOUSING, HIGH-IMPACT PRISMATIC DIFFUSER, ELECTRONIC INSTANT START BALLAST	LITHONIA LIGHTING CA 2 32 AR MVOLT GEB10IS	(2) 32W T8 3500K, CRI 85	WALL MOUNT ABOVE MIRROR AND 7'-0" AFF TO BOTTOM OF LUMINAIRE.
G	4' SURFACE MOUNTED LINEAR FLUORESCENT WRAPAROUND, STEEL HOUSING, ACRYLIC DIFFUSER, ELECTRONIC INSTANT START BALLAST	LITHONIA LIGHTING LB 2 32T8 MVOLT GEB10IS	(2) 32W T8 3500K, CRI 85	
GE	SAME AS TYPE G, WITH EMERGENCY BATTERY PACK	LITHONIA LIGHTING LB 2 32T8 MVOLT GEB10IS EL	(2) 32W T8 3500K, CRI 85	
H	OVAL LED WALL SCONCE, DIE-CAST ALUMINUM HOUSING, POLYCARBONATE LENS, INTEGRAL ELECTRON DRIVER, WHITE FINISH	LITHONIA LIGHTING VG05C 25LED 120 DWHG LPI	25W WHITE LED 3500K, CRI 85	WALL MOUNT 60" AFF TO BOTTOM OF LUMINAIRE, UON.

NOTE: ALL LUMINAIRE MOUNTING HEIGHTS ARE TO THE BOTTOM OF THE LUMINAIRE, UNLESS OTHERWISE NOTED AND OR APPLICABLE.



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& ASSOCIATES
CONSULTING
ELECTRICAL
ENGINEERS



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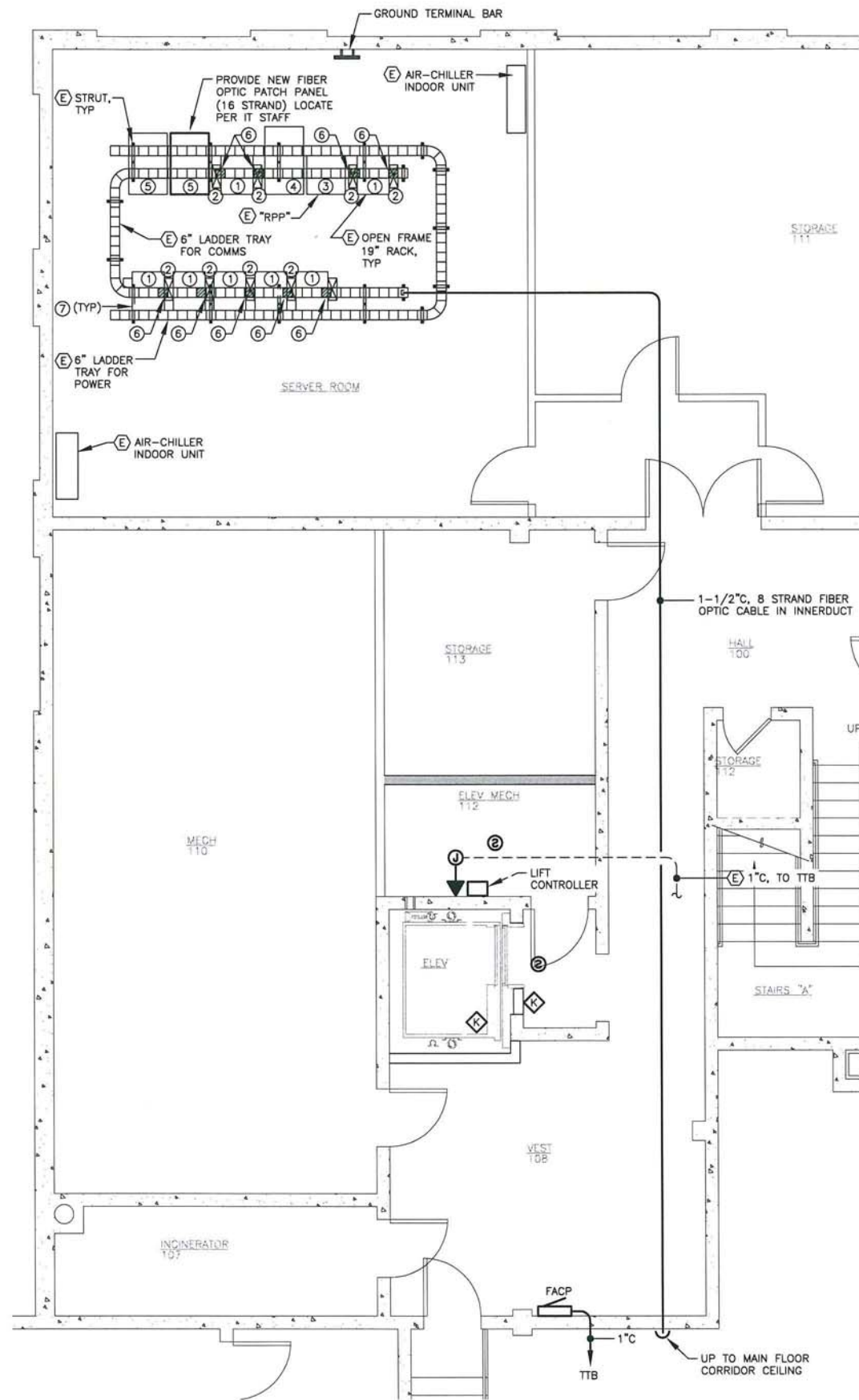
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SHEET TITLE
**LUMINAIRE
SCHEDULE &
SCHEMATIC
DIAGRAMS**
DATE: MARCH 2012
FILE: 11078

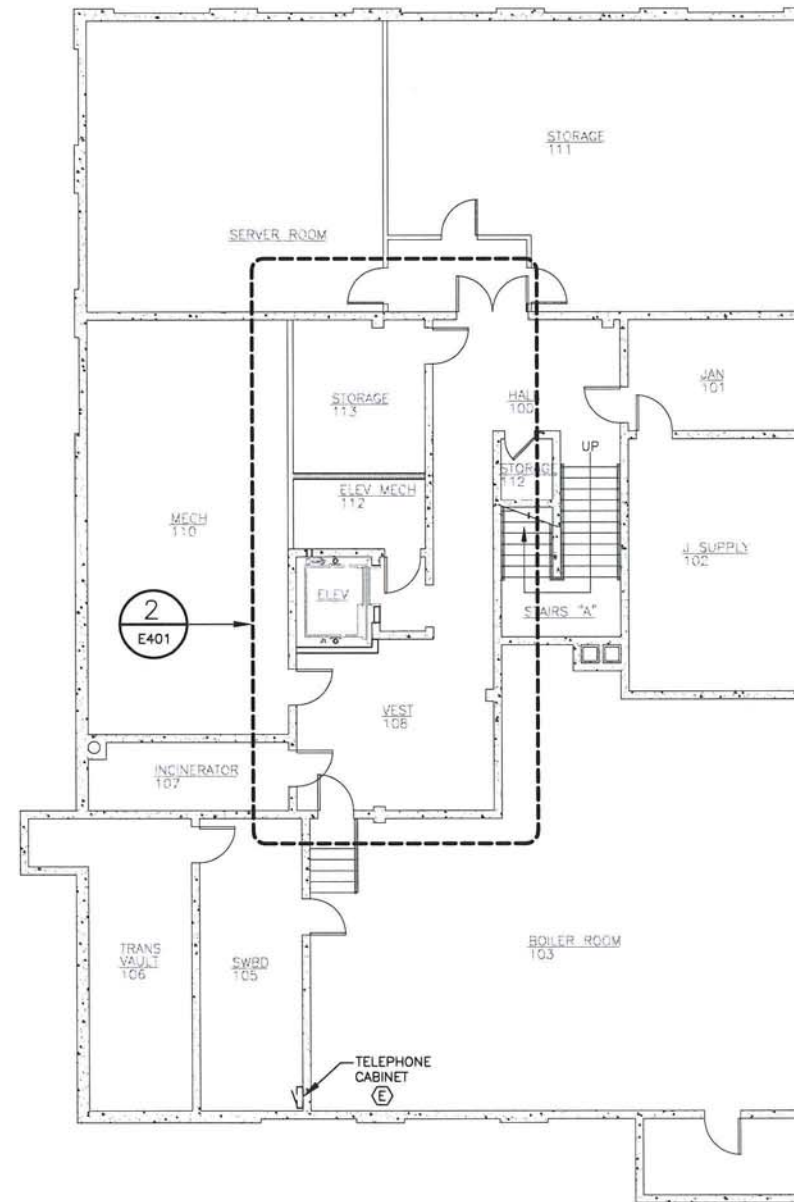
E306

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(E) EQUIPMENT LEGEND:

- ① 19"W x 72"H UNIVERSAL RACK.
- ② DOUBLE-SIDED WIDE VERTICAL CABLING SECTION.
- ③ REMOTE POWER PANEL (RPP)
- ④ UPS WITH (3) 12KVA UPS MODULES.
- ⑤ SERVER RACKS.
- ⑥ CABLE TRANSITION ADAPTER.
- ⑦ VERTICAL 30A POWER STRIP, SEE SHEET E7.



2 ENLARGED BASEMENT PLAN - LOW VOLTAGE

SCALE: 0 2' 4' 8'



1 BASEMENT FLOOR PLAN

SCALE: 0 4' 8' 16'



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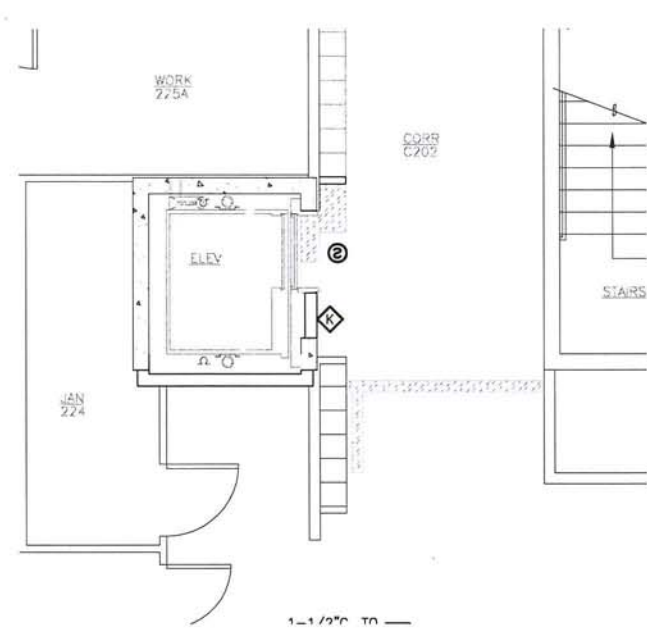
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**BASEMENT FLOOR
PLAN
LOW VOLTAGE**

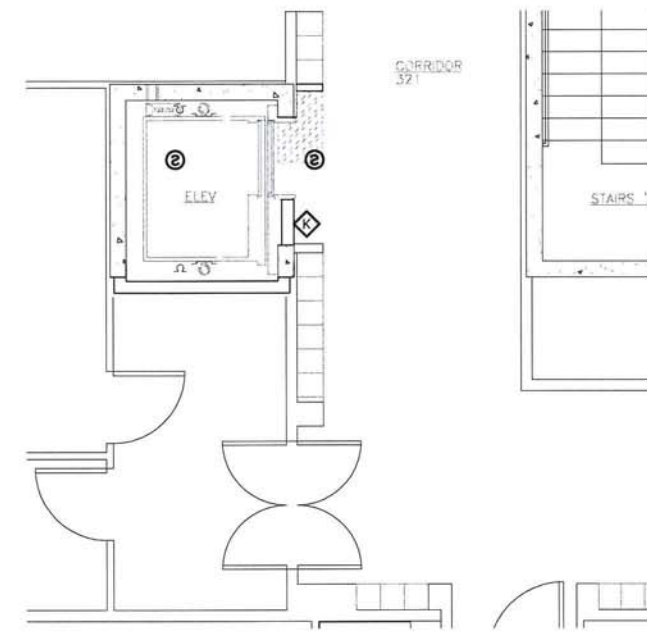
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E401

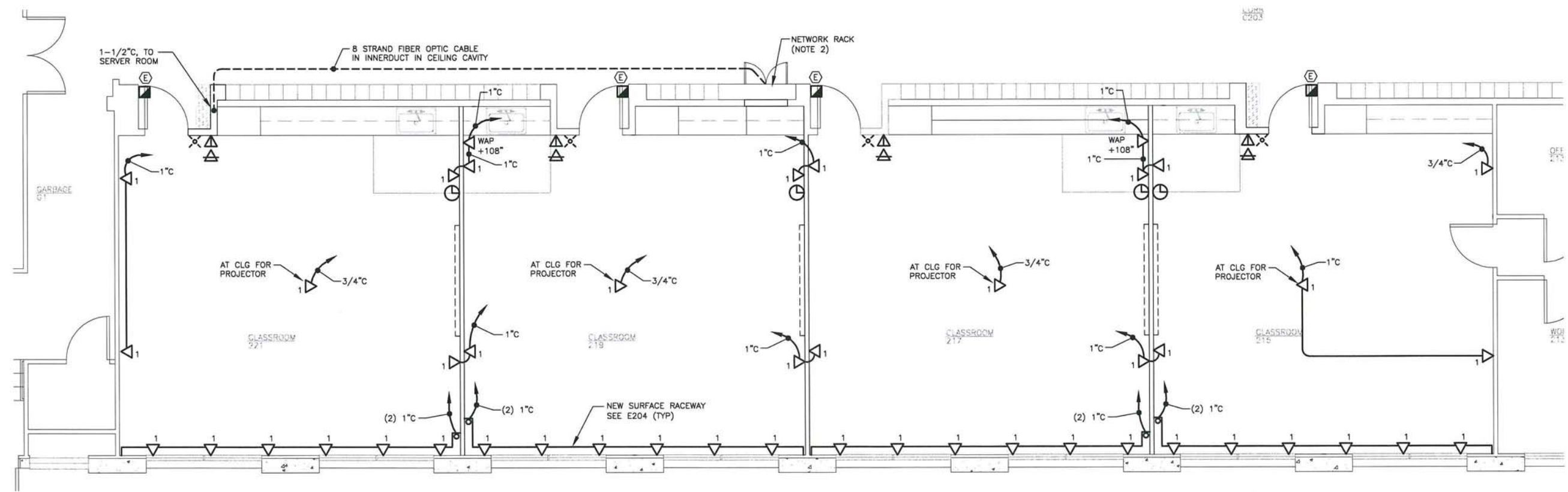
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2 ENLARGED MAIN FLOOR PLAN - LOW VOLTAGE
SCALE: 0 2' 4' 8'



3 ENLARGED SECOND FLOOR PLAN - LOW VOLTAGE
SCALE: 0 2' 4' 8'



1 ENLARGED MAIN FLOOR PLAN - LOW VOLTAGE
SCALE: 0 2' 4' 8'

NOTES:

1. ROUTE NETWORK CABLES IN CONDUIT IN WALLS AND CEILING TO THE CORRIDOR CEILING CAVITY. SUSPEND CABLE ON HOOKS IN CORRIDOR CEILING.
2. PROVIDE (3 EA) 2" FROM NETWORK RACK CABINET INTO CORRIDOR CEILING.



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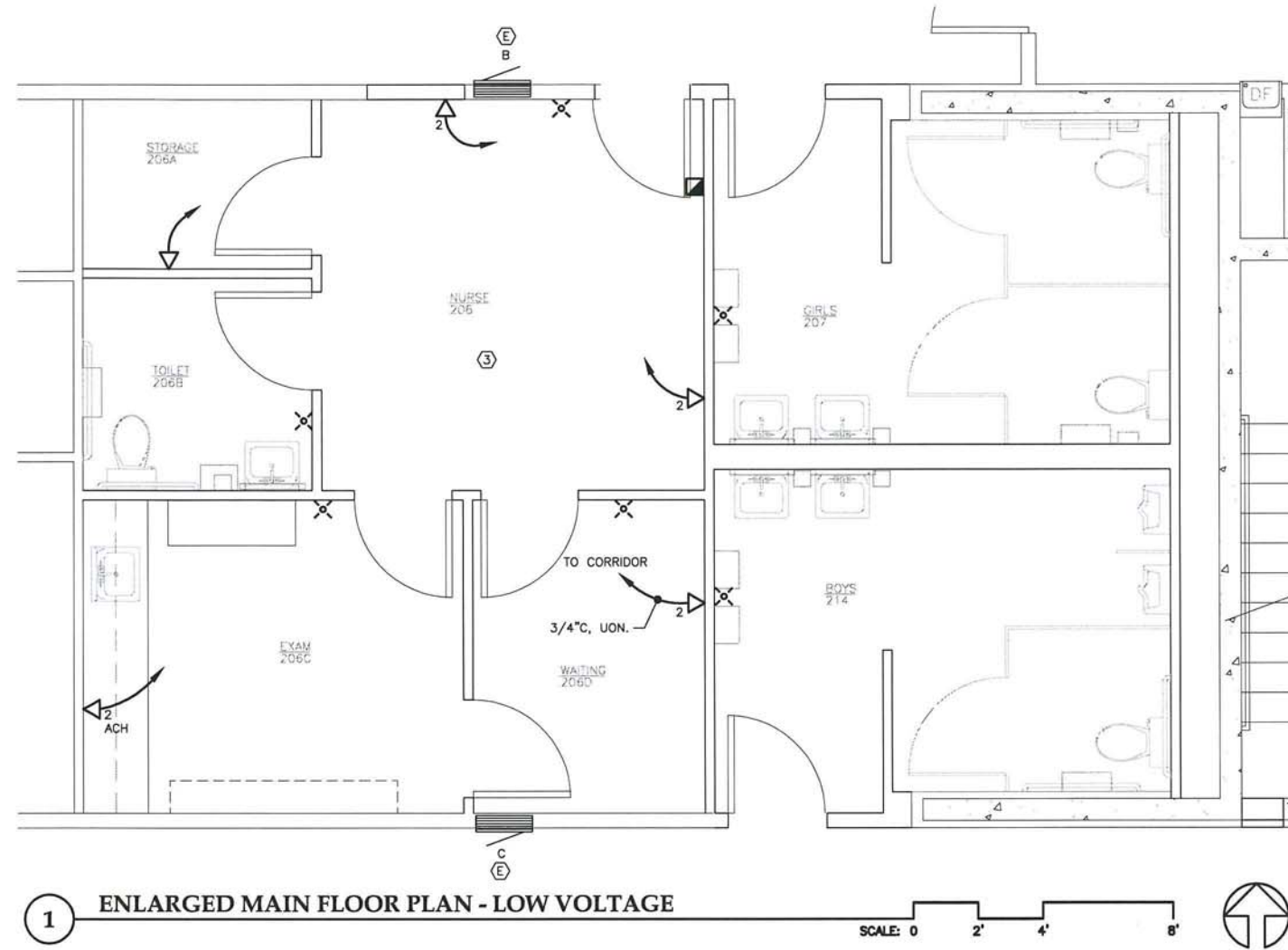
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SHEET TITLE
ENLARGED
PLANS
LOW VOLTAGE

DATE: MARCH 2012
FILE: 11078

E404

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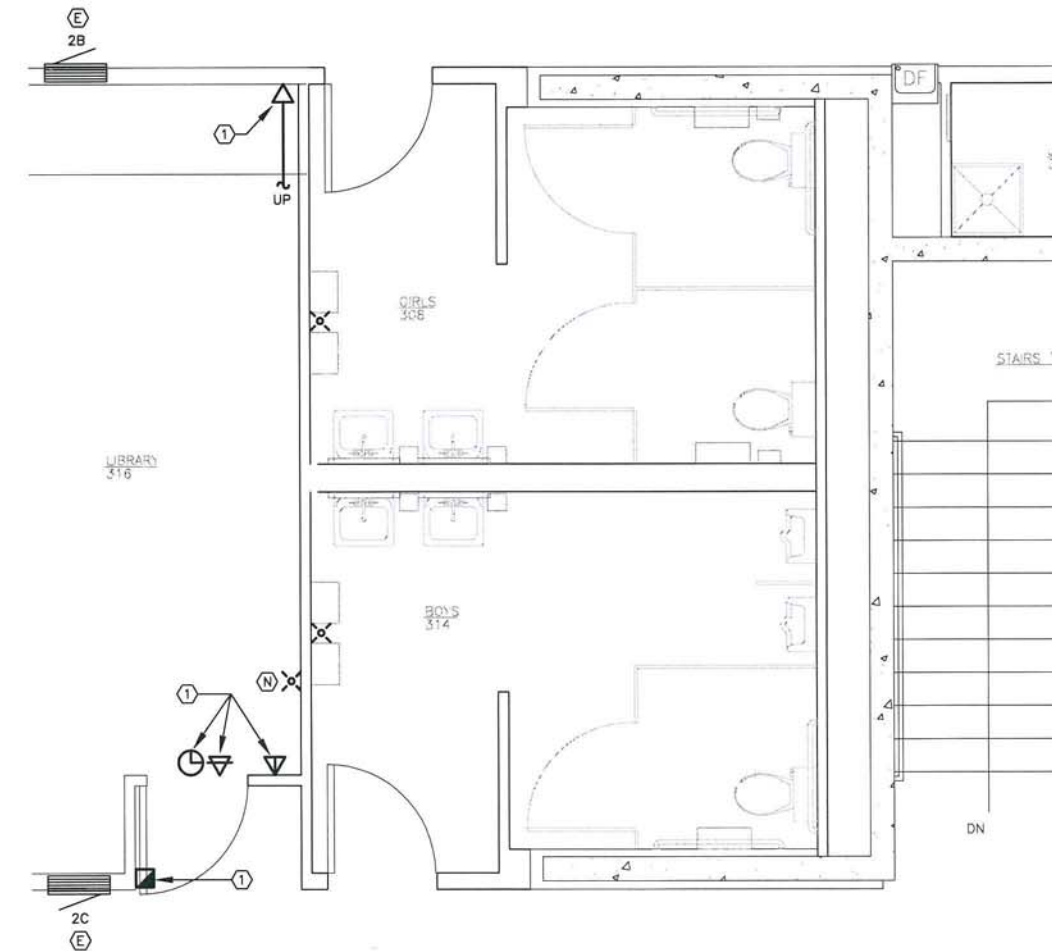
1 ENLARGED MAIN FLOOR PLAN - LOW VOLTAGE

SCALE: 0 2' 4' 8'



NOTES:

- 1 REINSTALL EXISTING DEVICES.
2. PROVIDE NETWORK AND FIRE ALARM CIRCUITS IN CONDUIT FROM DEVICES AND TERMINALS TO CORRIDOR CEILING CAVITY. SUSPEND CABLES ON HOOKS IN CORRIDOR CEILING.
3. CONNECT NETWORK TERMINALS TO NEW CLASSROOM IT RACK.



2 ENLARGED SECOND FLOOR PLAN - LOW VOLTAGE

SCALE: 0 2' 4' 8'



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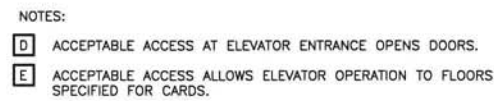


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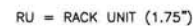
ENLARGED
PLANS
LOW VOLTAGE

DATE: MARCH 2012
FILE: 11078

E405



3 RISER DIAGRAM - ELEVATOR ACCESS CONTROLS



1 DETAIL - NETWORK RACK LAYOUT

- NOTES:
1. REPLACE EXISTING ZONED TYPE SYSTEM CONTROL WITH NEW ADDRESSABLE SYSTEM CONTROLS.
 2. RETAIN EXISTING ZONED INITIATION CIRCUITS AND NOTIFICATION CIRCUITS. RECONNECT TO NEW SYSTEM USING ADDRESSABLE MODULES AND AUXILIARY POWER SUPPLIES.
 3. SURVEY AND TEST THE EXISTING SYSTEM PRIOR TO IMPLEMENTING THE NEW SYSTEM. ASBUILD CIRCUITS AND DEVICE LOCATIONS. CONFIRM ALL CIRCUITS AND DEVICES ARE OPERABLE.
 4. CONFIGURE THE SYSTEM TO ALLOW A FULL SYSTEM UPGRADE WHEN THE WHOLE FACILITY IS RENOVATED. IN ADDITION TO DEVICES, ALLOW FOR A REMOTE ANNUNCIATOR.

