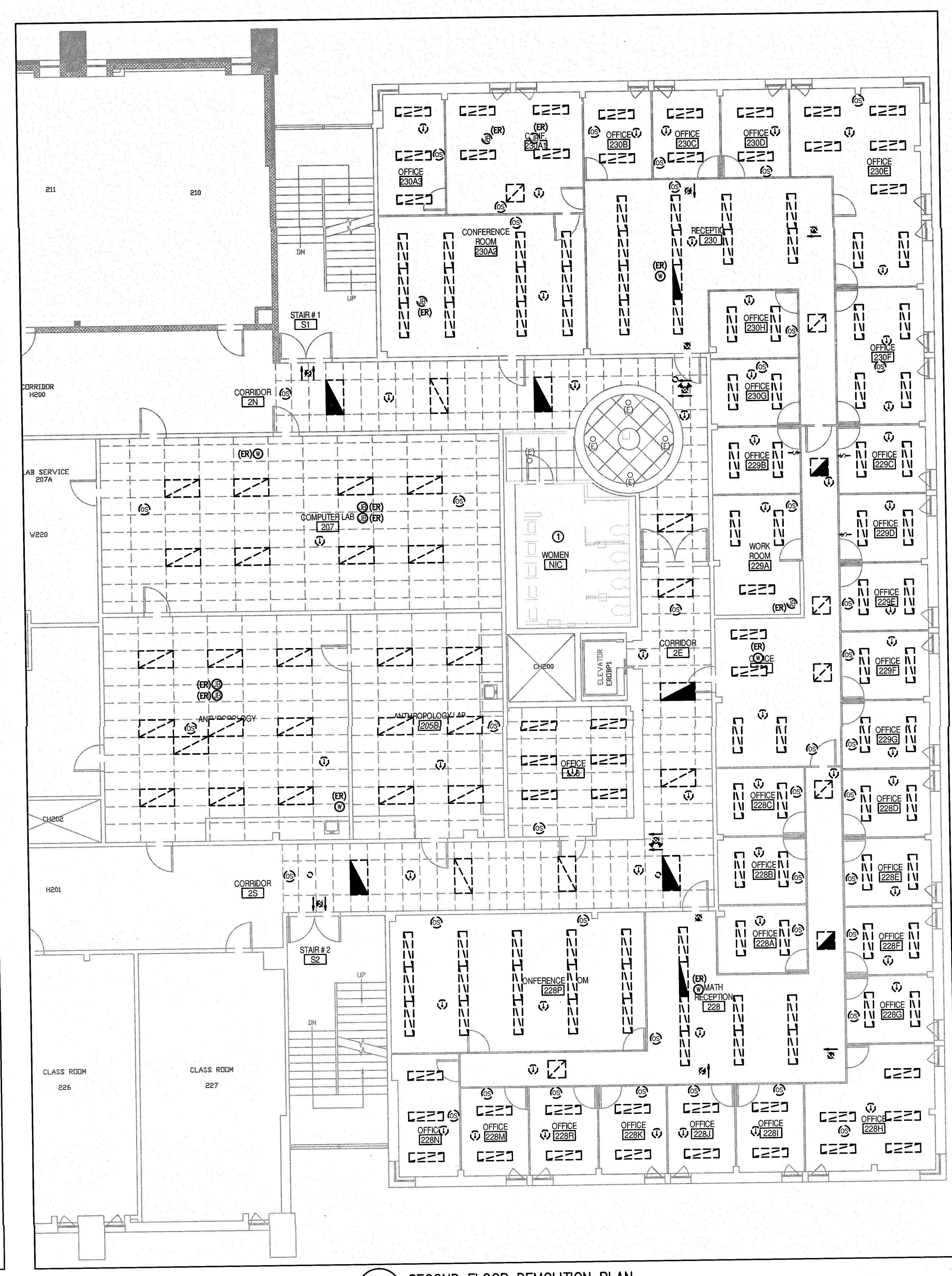
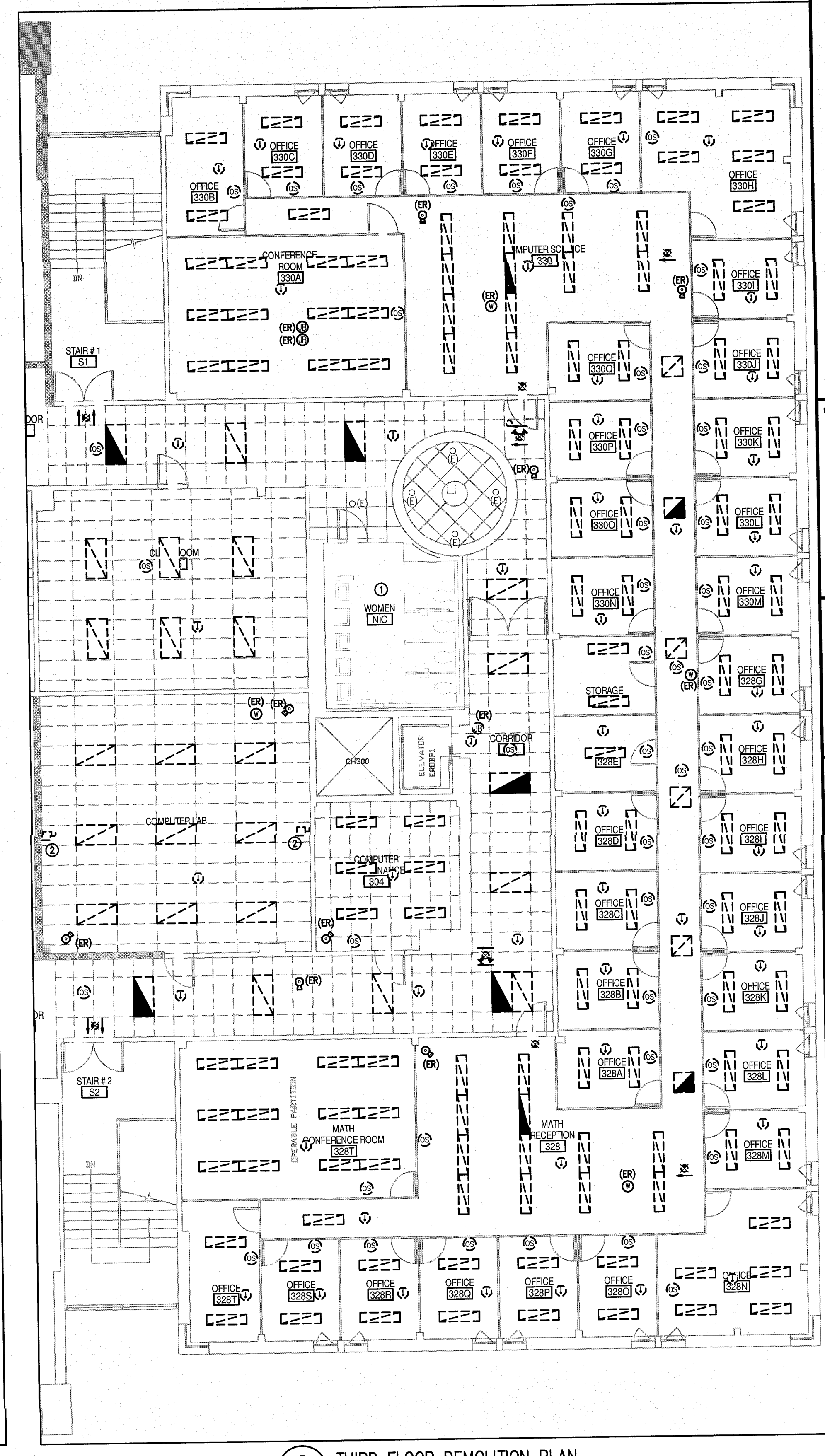




1 FIRST FLOOR DEMOLITION PLAN
E101 SCALE: 1/8" = 1'-0"



2 SECOND FLOOR DEMOLITION PLAN
E101 SCALE: 1/8" = 1'-0"



3 THIRD FLOOR DEMOLITION PLAN
E101 SCALE: 1/8" = 1'-0"

AS BUILT

DATE: 10/7/16

- GENERAL DEMOLITION NOTES:**
1. PRIOR TO DEMOLITION OF THE EXISTING CEILING BY THE GC, EC SHALL DISCONNECT AND REMOVE ALL EXISTING DEVICES AS SHOWN. ALL DEVICES MARKED AS (R) ARE TO BE REINSTALLED IN THE NEW CEILING. ALL EXISTING LIGHTING BRANCH CIRCUITS (NORMAL AND EMERGENCY) SHALL REMAIN FOR RECONNECTING TO THE NEW LIGHTING FIXTURES. ALL EXISTING CABLES SERVING WPT DEVICES, CAMERAS, PROJECTORS, FIRE ALARM DEVICES, ETC. SHALL REMAIN FOR RECONNECTING TO THE REINSTALLED DEVICES AND/OR CONNECTING TO NEW DEVICES.
 2. THE INTENT IS TO DISCONNECT AND REMOVE ALL OF THE EXISTING HEAT DETECTORS IN THE PROJECT SCOPE AREA AND INSTALL NEW SMOKE DETECTORS IN THEIR PLACE. ALL EXISTING FIRE ALARM CABLE SHALL BE MAINTAINED FOR REUSE. THE GC SHALL COORDINATE THE PHASING OF THE DEMOLITION AND INSTALLATION OF NEW FIRE ALARM DEVICES WITH THE ROWAN FIRE MARSHAL AND PROVIDE A FIRE WATCH AS REQUIRED.
 3. THE INTENT IS TO DISCONNECT AND REMOVE ALL OF THE EXISTING OCCUPANCY SENSORS IN THE PROJECT SCOPE AREA AND INSTALL NEW OCCUPANCY SENSORS IN THEIR PLACE. ALL EXISTING LIGHTING BRANCH CIRCUITS SHALL BE MAINTAINED FOR REUSE.
 4. SHADOWED LIGHTING FIXTURES INDICATE THAT LIGHTING FIXTURE IS FED FROM A NORMAL LIGHTING BRANCH CIRCUIT AND A NORMALLY-OFF EMERGENCY LIGHTING BRANCH CIRCUIT. EC SHALL VERIFY THE EXACT LOCATIONS OF THESE FIXTURES IN THE FIELD AND MAKE ALL NECESSARY MODIFICATIONS. THE INTENT IS TO MAINTAIN THESE CIRCUITS AND REUSE FOR NEW LIGHTING FIXTURES WITH (2) BALLASTS AT THE SAME LOCATION.

- KEYED NOTES:**
1. ALL EXISTING CEILING MOUNTED DEVICES TO REMAIN.
 2. EC SHALL DISCONNECT AND REMOVE EXISTING CIRCUITS FEEDING HVAC EQUIPMENT BEING REMOVED.

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PREPARED FOR:
ROWAN UNIVERSITY
201 MULICA HILL ROAD
GLASSBORO, NEW JERSEY 08028-1705

PROJECT:
**ROBINSON HALL
HVAC PHASE III**

ARCHITECT:
olaya studio
architectura
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215.387.2011

STRUCTURAL ENGINEER:
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REVISIONS

ISSUE	DATE	DESCRIPTION
	03/11/16	ISSUED FOR NICKA REVIEW
	03/31/16	ISSUED FOR BID
Δ	05/02/16	REVISION FOR REBID

DRAWING TITLE:
**ELECTRICAL - CEILING DEMOLITION WORK PLANS:
FIRST, SECOND, THIRD FLOORS**

DATE: MARCH 11, 2016
SCALE: AS NOTED
DESIGNED BY: BEI
REFERENCE NO: 2015P037
DRAWN BY: JMB, RMR, ATA
CHECKED BY: JMB, JMB
PROJECT NO: 2015P037

E-101

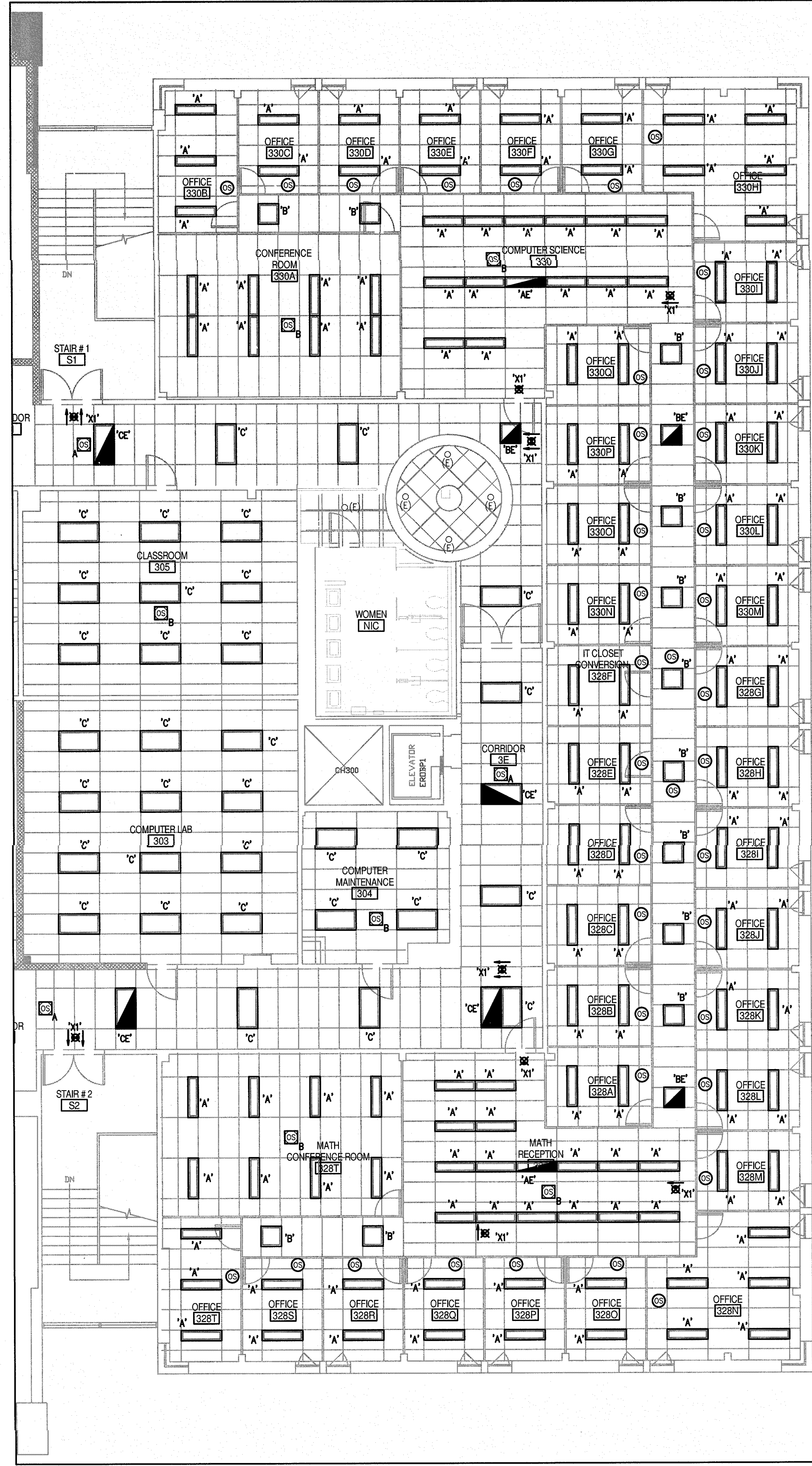
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



1 FIRST FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"



3 THIRD FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE										
TYPE	MANUFACTURER	DESCRIPTION	CATALOG NUMBER	LAMP TYPE	LAMP WATTAGE	FIXTURE WATTAGE	VOLTAGE	MOUNTING	NOTES	
'A'	COLUMBIA	1' X 4' RECESSED HIGH PERFORMANCE	APS-14-132-G-PS-A12-E-U	(1) TB	32W	32W	120/277V	RECESSED		
'AE'	COLUMBIA	1' X 4' RECESSED HIGH PERFORMANCE W/ 1 EMERG LAMP	APS-14-232-G-PS-A12-1/1-E-U	(2) TB	32W	32W	120/277V	RECESSED	PROVIDE WITH 2 BALLASTS, ONE 1 LAMP BALLAST (NORMAL SWITCHING), 1 BALLAST FOR LAMP (EMERGENCY ONLY)	
'B'	COLUMBIA	2' X 2' RECESSED HIGH PERFORMANCE	APS-22-217-G-PS-A12-E-U	(2) TB	17W	34W	120/277V	RECESSED		
'BE'	COLUMBIA	2' X 2' RECESSED HIGH PERFORMANCE W/1 EMERG LAMP	APS-22-317-G-PS-A12-1/1-E-U	(3) TB	17W	34W	120/277V	RECESSED	PROVIDE WITH 2 BALLASTS, ONE 2 LAMP BALLAST FOR OUTER LAMPS (NORMAL SWITCHING), ONE 1 LAMP BALLAST FOR INNER LAMP (EMERGENCY ONLY)	
'C'	COLUMBIA	2' X 4' RECESSED HIGH PERFORMANCE	APS-24-232-G-PS-A12-E-U	(2) TB	32W	64W	120/277V	RECESSED		
'CE'	COLUMBIA	2' X 4' RECESSED HIGH PERFORMANCE W/ 1 EMERG LAMP	APS-24-332-G-PS-A12-2-U	(3) TB	32W	64W	120/277V	RECESSED	PROVIDE WITH 2 BALLASTS, ONE 2 LAMP BALLAST FOR OUTER LAMPS (NORMAL SWITCHING), ONE 1 LAMP BALLAST FOR INNER LAMP (EMERGENCY ONLY)	
'V'	FINELITE	HIGH PERFORMANCE 2' APERTURE - WALL MOUNT	HP-2 WH-D-4-SO-50-4000K-TS-F-120V-SC-WB	LED	35.3W	35.3W	120V	WALL		
'X1'	EMERG-LITE	LED EXI SIGN	ELX400RN	LED	2.5W	2.5W	120/277V	SURFACE	PROVIDE DIRECTIONAL ARROWS AS SHOWN. FIXTURE SHALL NOT HAVE A BATTERY.	

NOTES:
1. ALL FLUORESCENT LUMINAIRES SHALL BE PROVIDED WITH AN INTEGRAL BALLAST DISCONNECT.

GENERAL NOTES:
1. THE INTENT IS TO INSTALL ALL NEW LIGHTING FIXTURES AND OCCUPANCY SENSORS AS SHOWN. ALL EXISTING LIGHTING BRANCH CIRCUITS SHALL BE REUSED AND EXTENDED AS REQUIRED.
2. SHARED LIGHTING FIXTURES INDICATE THAT LIGHTING FIXTURE SHALL BE CONNECTED TO THE EXISTING NORMAL LIGHTING BRANCH CIRCUIT AND A NORMALLY-OFF EMERGENCY LIGHTING BRANCH CIRCUIT THAT FED THE EMERGENCY LIGHTING FIXTURE THAT WAS REMOVED. THESE FIXTURES SHALL CONTAIN (2) BALLASTS AND EACH CIRCUIT SHALL FEED (1) BALLAST.
3. EC MAY NEED TO REPLACE EXISTING OCCUPANCY SENSORS IN THE HALLWAYS OUTSIDE OF THE PROJECT SCOPE AREA TO FUNCTION CORRECTLY WITH THE NEW HALLWAY OCCUPANCY SENSORS SHOWN. EC TO FIELD INVESTIGATE AND PERFORM ALL WORK AS REQUIRED.

AS BUILT

DATE: 10/7/16

ENGINEER:
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PREPARED FOR:
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GLASSBORO, NEW JERSEY 08028-1705

PROJECT:
Rowan University
ROBINSON HALL
HVAC PHASE III

ARCHITECT:
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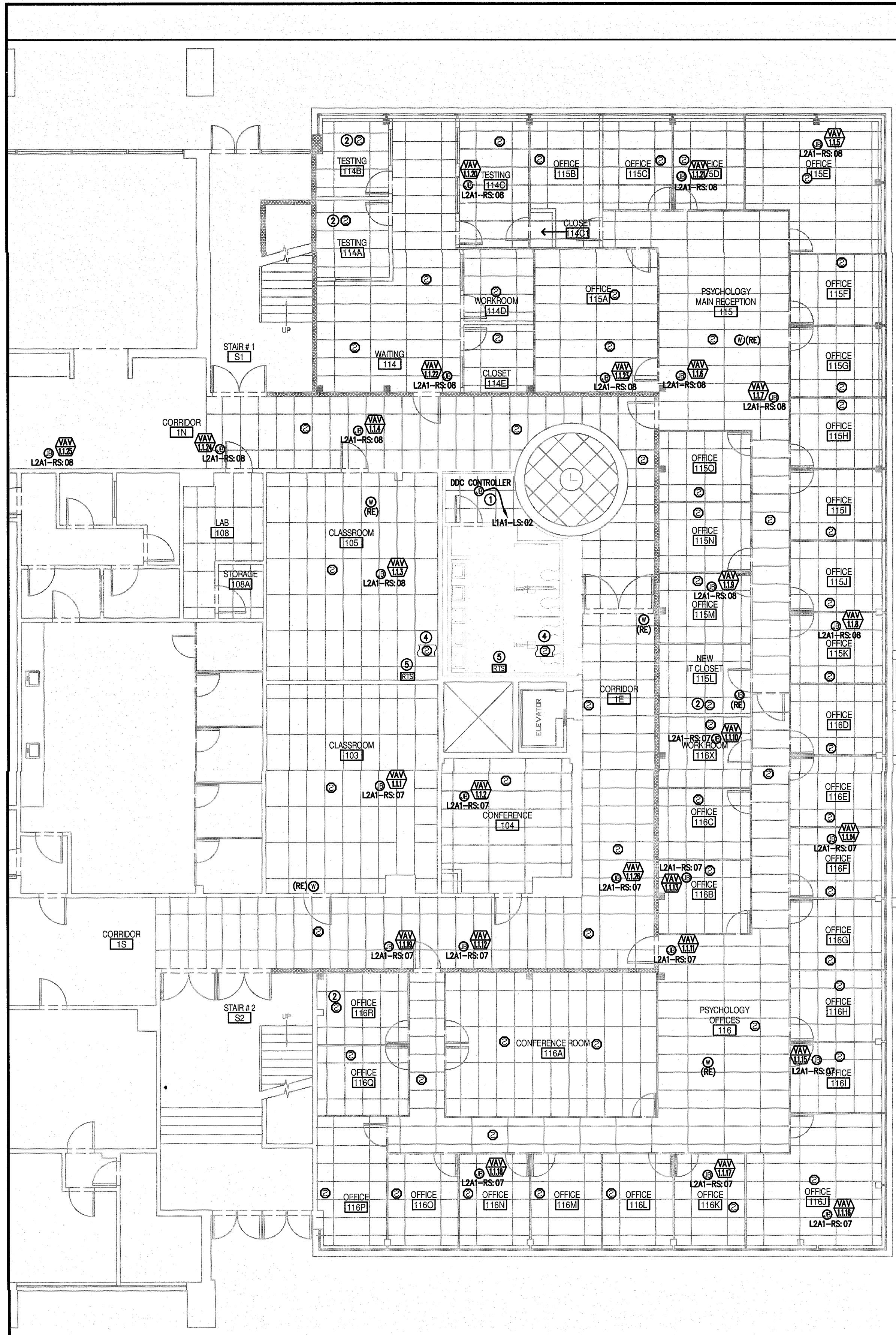
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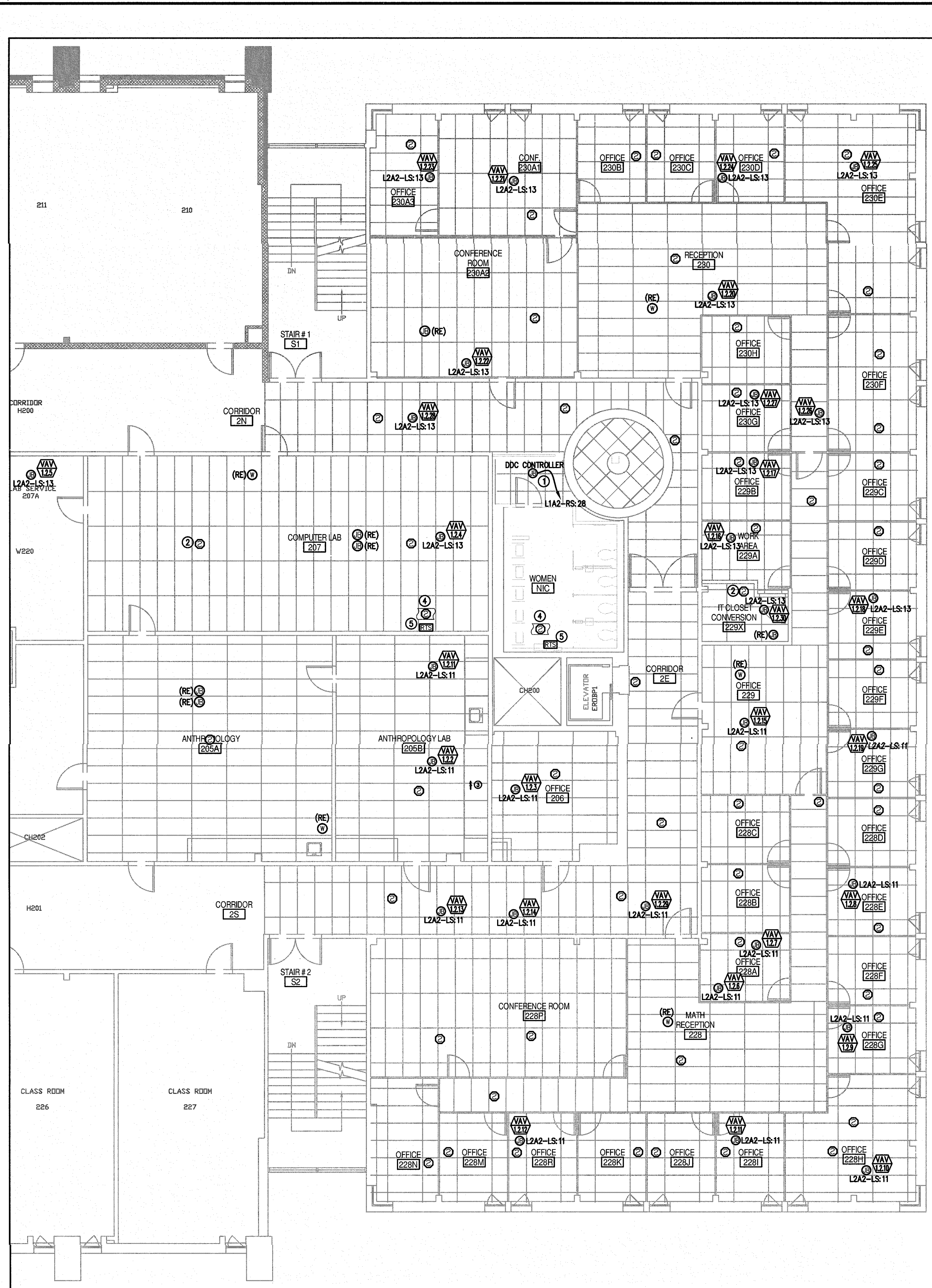
REVISIONS		
ISSUE	DATE	DESCRIPTION
	03/11/16	ISSUED FOR INDIA REVIEW
	03/31/16	ISSUED FOR BID
Δ	05/02/16	REVISION FOR REBID

DRAWING TITLE:
**ELECTRICAL -
CEILING LIGHTING NEW PLANS:
FIRST, SECOND, THIRD FLOORS**

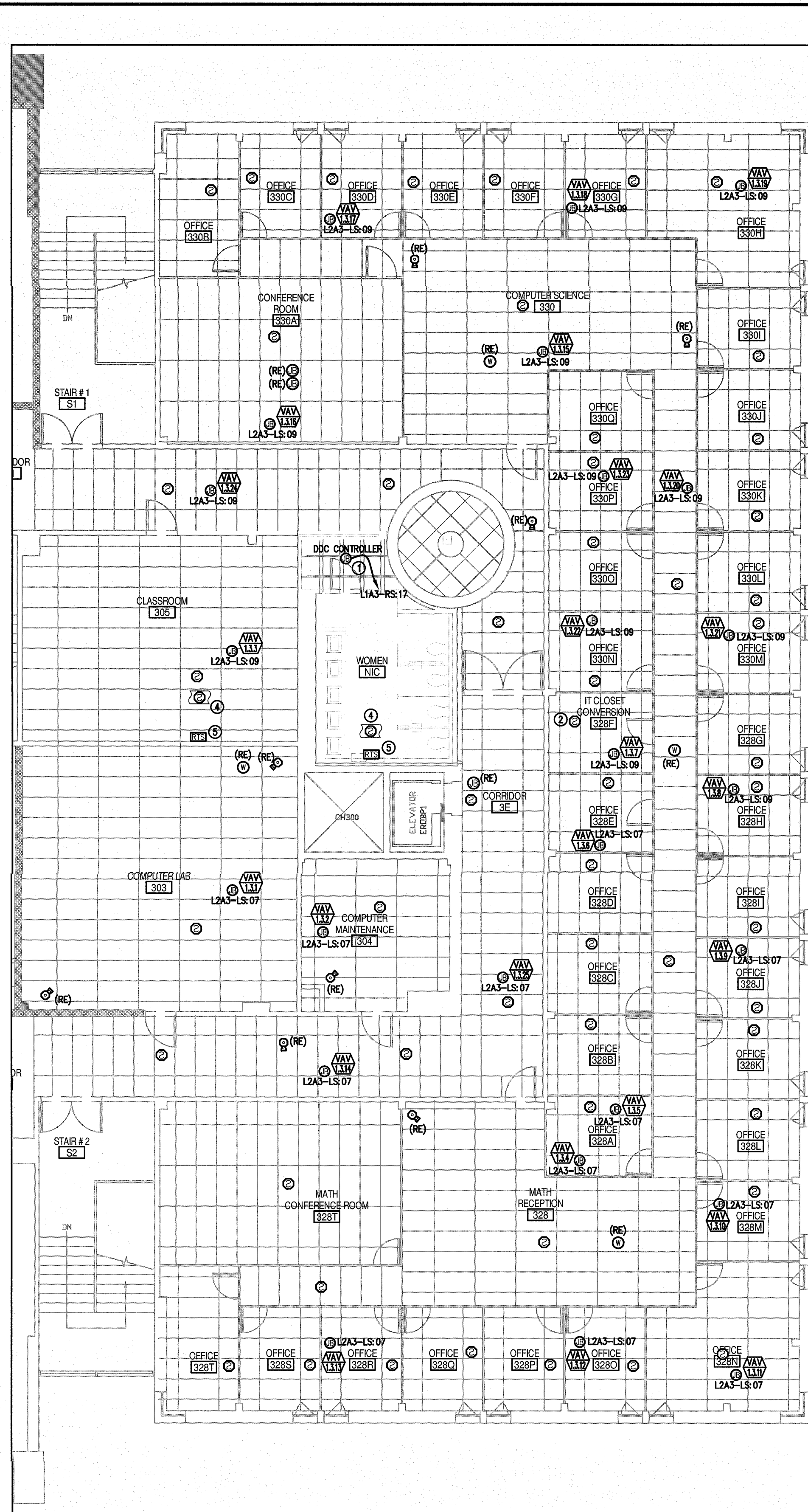
DATE: MARCH 11, 2016
SCALE: AS NOTED
DESIGNED BY: BEI
REFERENCE NO: 2015P037
DRAWN BY: JMB,RMR,ATA
CHECKED BY: JMB
PROJECT NO: 2015P037
E-102



1 FIRST FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"



3 THIRD FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"

AS BUILT

DATE: 10/7/16

GENERAL NOTES:

- THE INTENT IS TO INSTALL ALL NEW SMOKE DETECTORS AS SHOWN AND CONNECT TO THE EXISTING FIRE ALARM CABLE THAT FED THE HEAT DETECTORS THAT WERE REMOVED. COORDINATE EXACT LOCATION OF SMOKE DETECTORS IN THE FIELD TO ENSURE 3" SEPARATION FROM ALL HVAC GRILLS. THE EC SHALL COORDINATE THE PHASING OF THE DETECTION AND INSTALLATION OF NEW FIRE ALARM DEVICES WITH THE ROWAN FIRE MARSHALL AND PROVIDE A FIRE WATCH AS REQUIRED.
- THE INTENT IS TO REINSTALL ALL EXISTING WFI DEVICES, PROJECTORS, CAMERAS, ETC. AND CONNECT TO THE EXISTING CABLE.

KEYED NOTES:

- EXACT LOCATION OF DDC CONTROLLER TO BE COORDINATED WITH MC PRIOR TO GRANT INSTALLATION.
- CONNECT NEW SMOKE DETECTOR TO EXISTING FIRE ALARM CABLE SERVING THE SAME AREA.
- NEW SWITCH TO BE INSTALLED FOR CONTROL OF NEW FUME HOOD EXHAUST FAN ON ROOF. CONNECT TO BRANCH CIRCUIT SHOWN ON DRAWING E-102.
- EC SHALL COORDINATE EXACT LOCATION OF DUCT DETECTOR IN FIELD WITH MC PRIOR TO INSTALLATION. SEE 2/E-302 FOR MORE INFORMATION.
- EXACT LOCATION OF DUCT DETECTOR REMOTE TEST SWITCH TO BE COORDINATED IN THE FIELD PRIOR TO INSTALLATION.

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PROJECT:
Rowan University
ROBINSON HALL
HVAC PHASE III

ARCHITECT:
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architects
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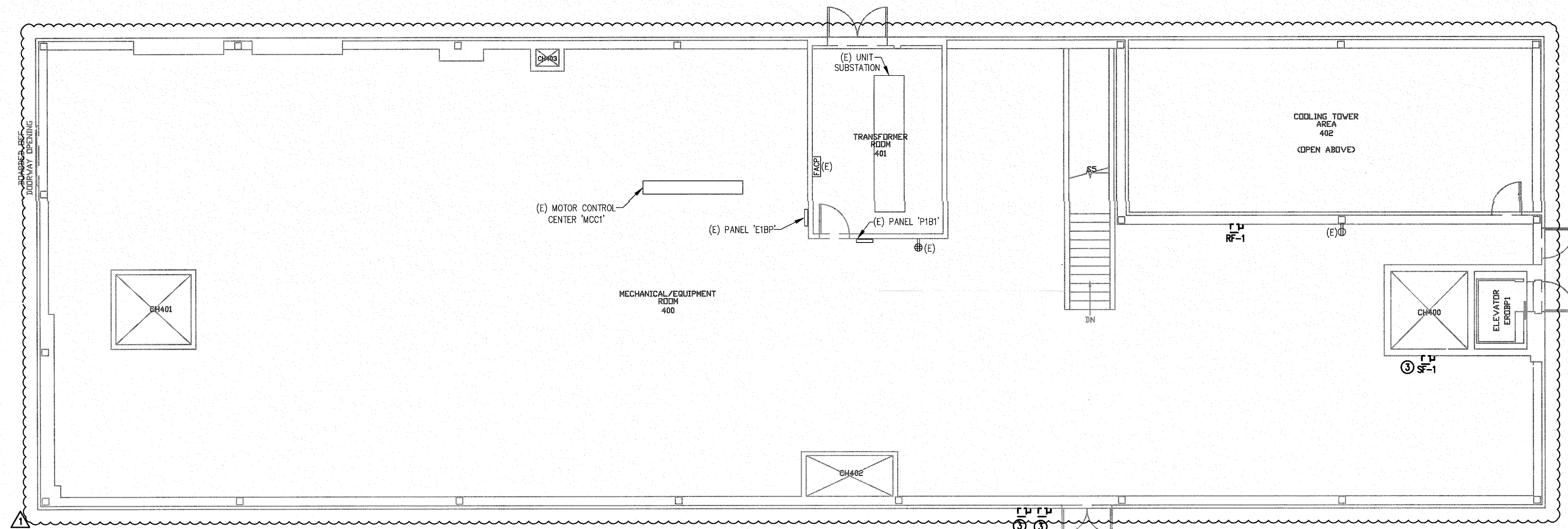
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4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PHILADELPHIA AND THE STATE OF PENNSYLVANIA.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PHILADELPHIA AND THE STATE OF PENNSYLVANIA.

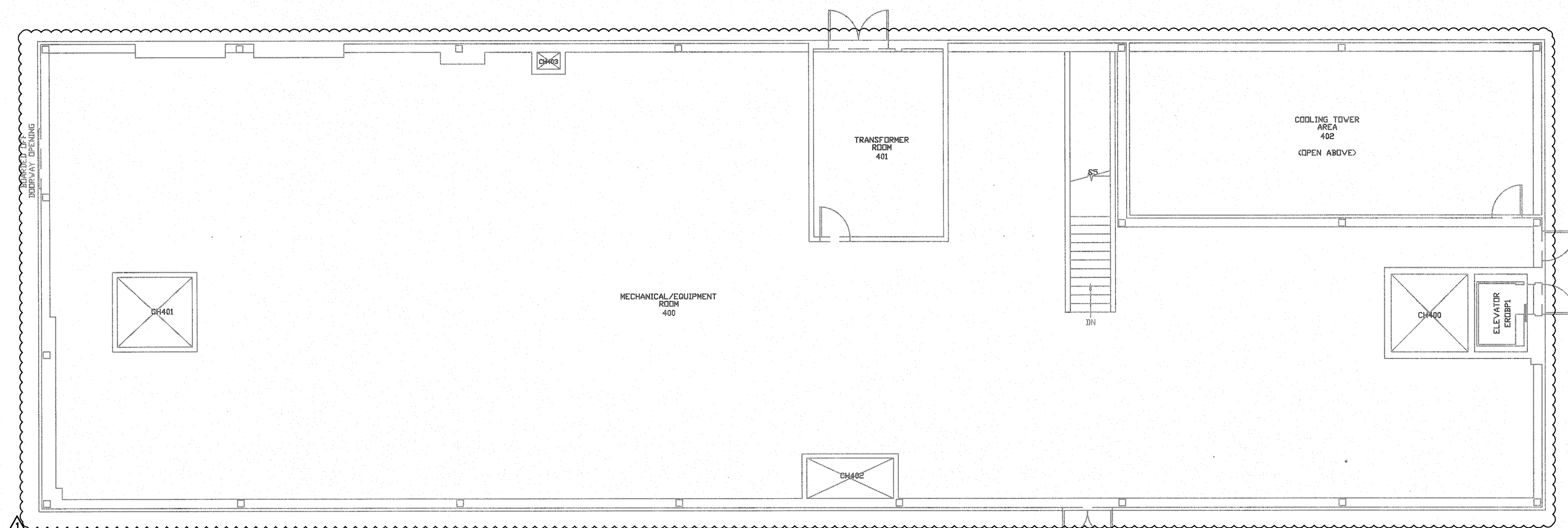
REVISIONS	DATE	DESCRIPTION
ISSUE	03/11/16	ISSUED FOR NUDCA REVIEW
	03/31/16	ISSUED FOR BID
Δ	05/02/16	REVISION FOR REDO

DRAWING TITLE:
**ELECTRICAL -
CEILING POWER NEW WORK PLANS:
FIRST, SECOND, THIRD FLOORS**

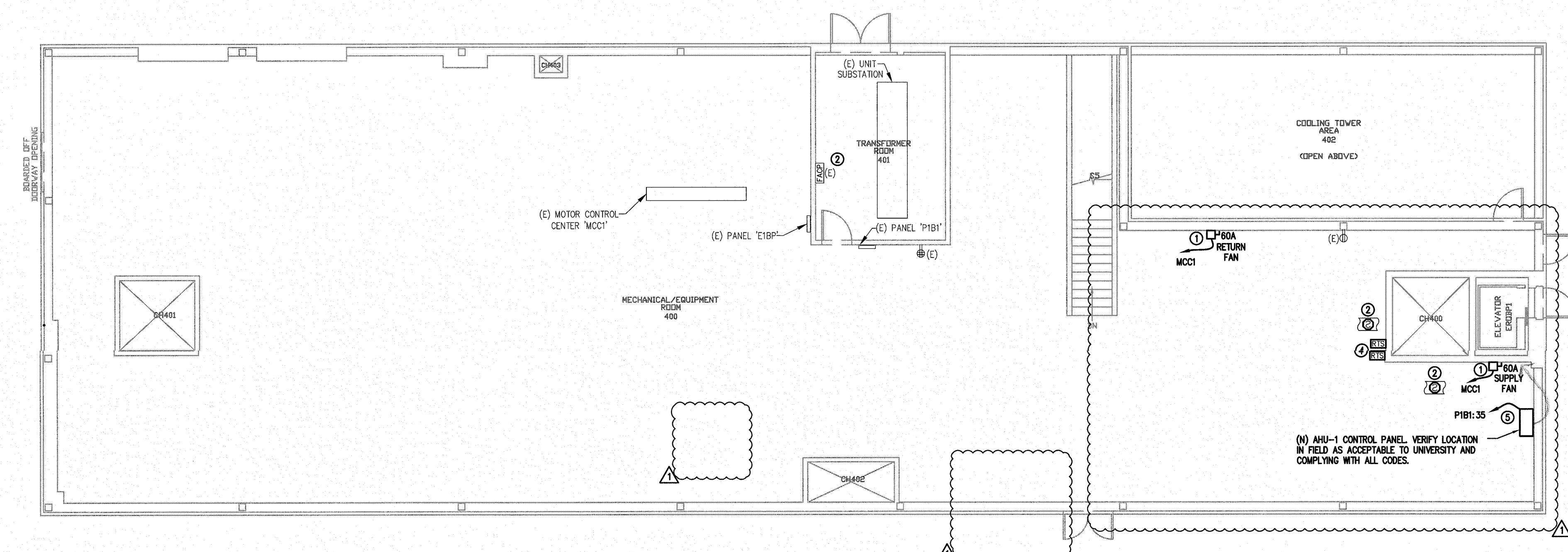
DATE: MARCH 11, 2016
SCALE: AS NOTED
DRAWING NO: **E-103**
DESIGNED BY: BEI
REFERENCE NO: 2015P037
DRAWN BY: JMB, RMR, ATA
CHECKED BY: JIB, JMB
BBI PROJECT NO: 2015P037
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



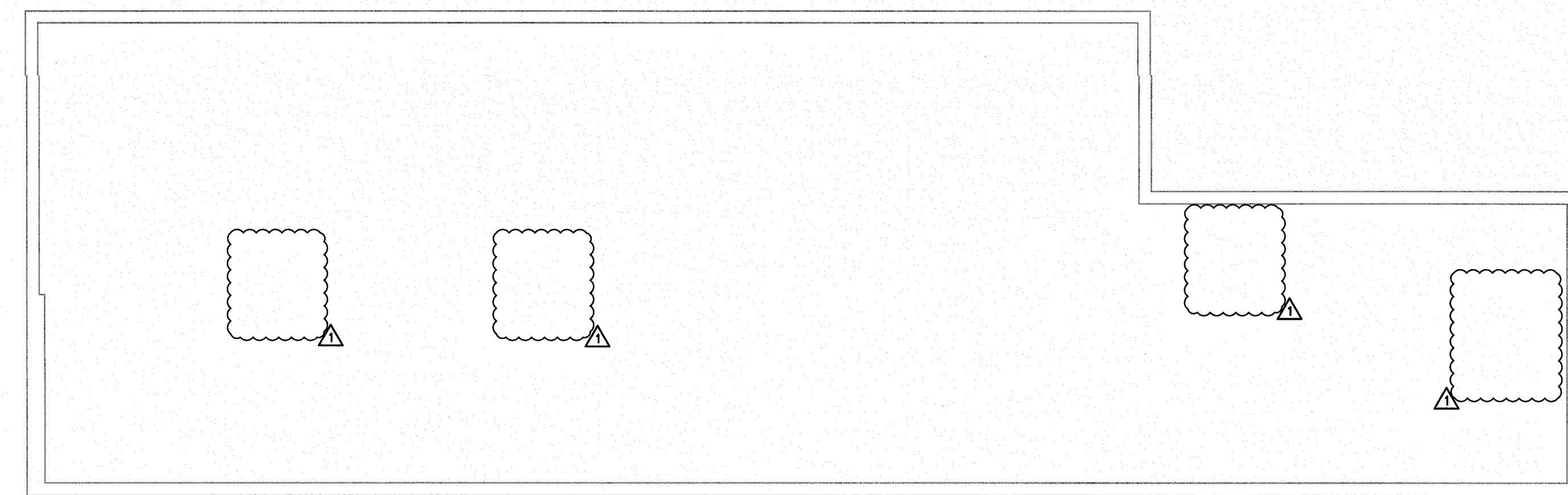
1 PENTHOUSE DEMOLITION WORK PLAN
SCALE: 1/8" = 1'-0"



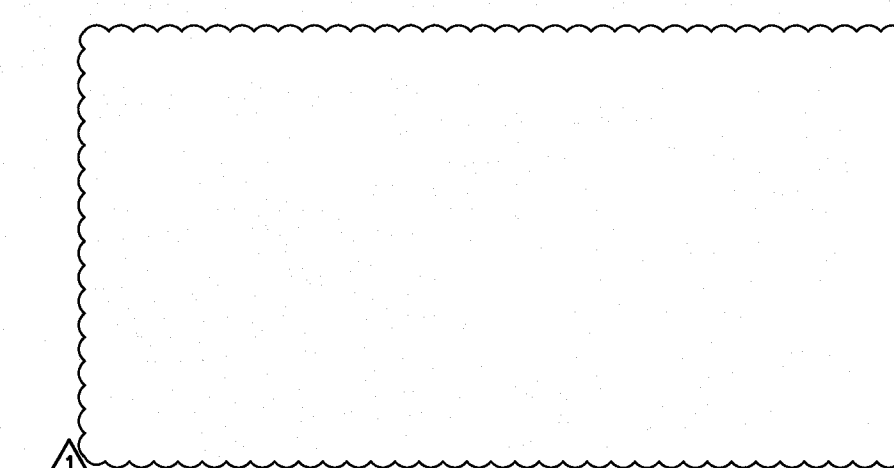
3 PENTHOUSE LIGHTING NEW WORK PLAN
SCALE: 1/8" = 1'-0"



4 PENTHOUSE FLOOR POWER NEW WORK PLAN
SCALE: 1/8" = 1'-0"



2 PENTHOUSE ROOF DEMOLITION WORK PLAN
SCALE: 3/32" = 1'-0"



5 PENTHOUSE ROOF POWER NEW WORK PLAN
SCALE: 3/32" = 1'-0"

- KEYED NOTES:**
- EC SHALL COORDINATE THE EXACT LOCATION OF THE NEW VFD'S WITH MC PRIOR TO CIRCUIT INSTALLATION.
 - EC SHALL FURNISH AND INSTALL DUCT DETECTORS IN THE SUPPLY AND RETURN DUCTS FOR THE EXISTING AIR HANDLING UNIT AND SHALL CONNECT TO EXISTING FAN WITH NEW-TYPE ALARM CABLE AS REQUIRED. SEE 2/E-302 FOR MORE INFORMATION.
 - EC SHALL DISCONNECT AND REMOVE EXISTING CIRCUITS FEEDING HVAC EQUIPMENT BEING REMOVED.
 - EXACT LOCATION OF DUCT DETECTOR REMOTE TEST SWITCH TO BE COORDINATED IN THE FIELD PRIOR TO INSTALLATION.
 - EC SHALL COORDINATE EXACT LOCATION OF THE NEW AHU-1 CONTROL PANEL WITH MC PRIOR TO CIRCUIT INSTALLATION.

AS BUILT

DATE: 10/7/16

ENGINEER:
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PROJECT:
Rowan University
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HVAC PHASE III

ARCHITECT:
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architectura
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215-387-2011

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
1617 JOHN F. KENNEDY BLVD.
PHILADELPHIA, PA 19103
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SEAL:
AS BUILT
DATE: 10/7/16

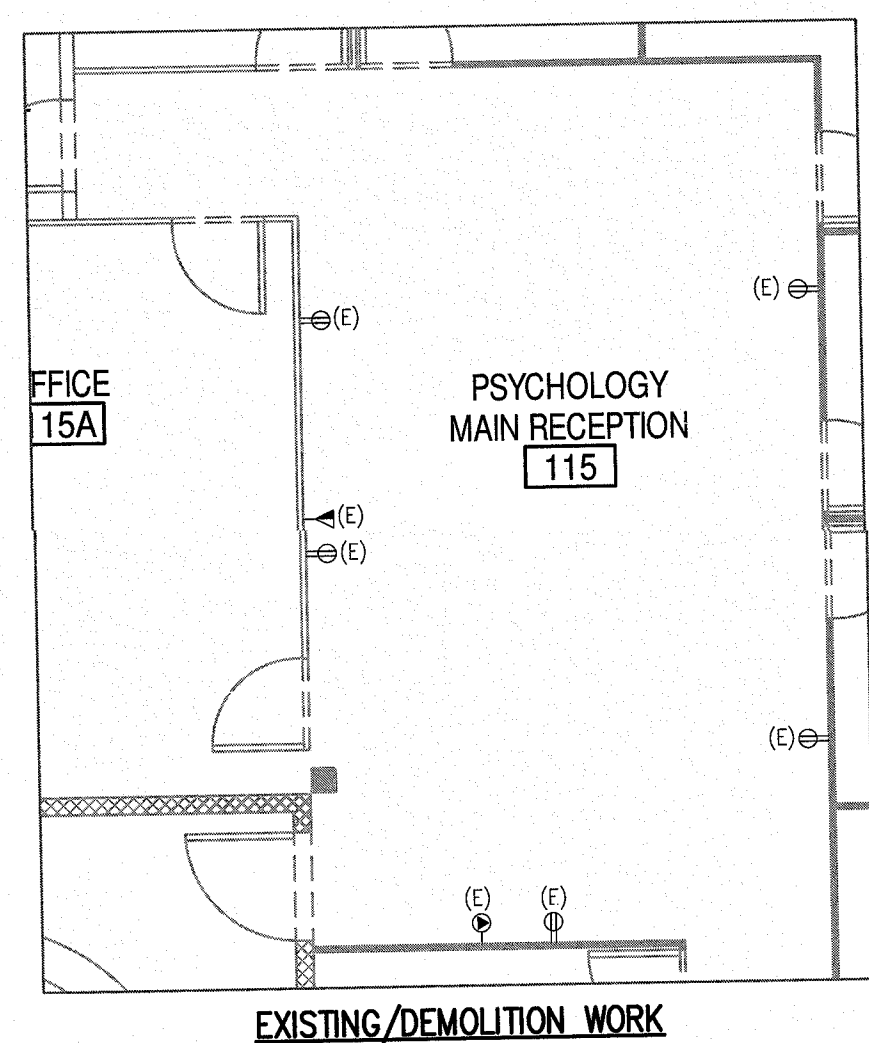
IF THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF ITEMS SHOWN ON THIS DRAWING SHALL, FIELD VERIFY THE EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER FOR CORRECTION, EDITING, RECALCULATION, ETC. AS REQUIRED.
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REVISIONS		
ISSUE	DATE	DESCRIPTION
	03/11/16	ISSUED FOR NJCEA REVIEW
	03/21/16	ISSUED FOR BID
Δ	05/02/16	REVISION FOR REBID

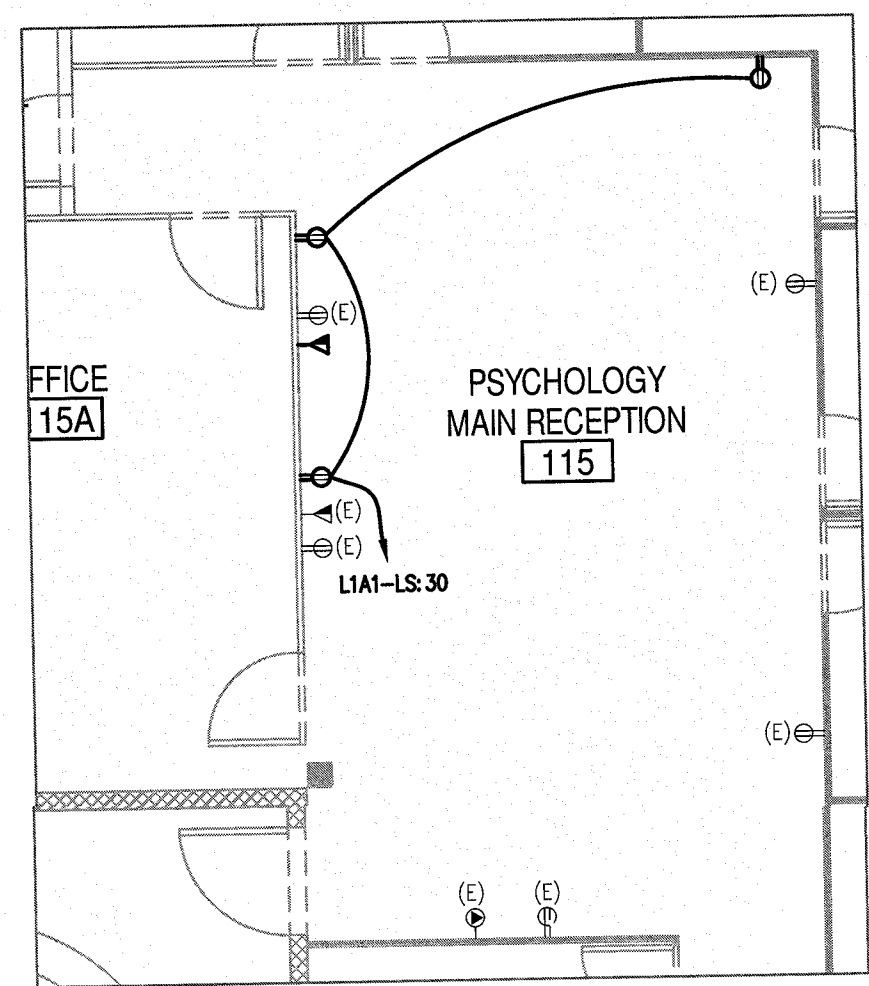
DRAWING TITLE:
**ELECTRICAL -
PENTHOUSE, PENTHOUSE ROOF**

DATE:	MARCH 11, 2016	DRAWING NO.:	E-104
SCALE:	AS NOTED	DESIGNED BY:	BEI
DESIGNED BY:	BEI	REFERENCE NO.:	2015P037
DRAWN BY:	JMB,RMR,ATA	CHECKED BY:	JMB
CHECKED BY:	JMB	BEI PROJECT NO.:	2015P037

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

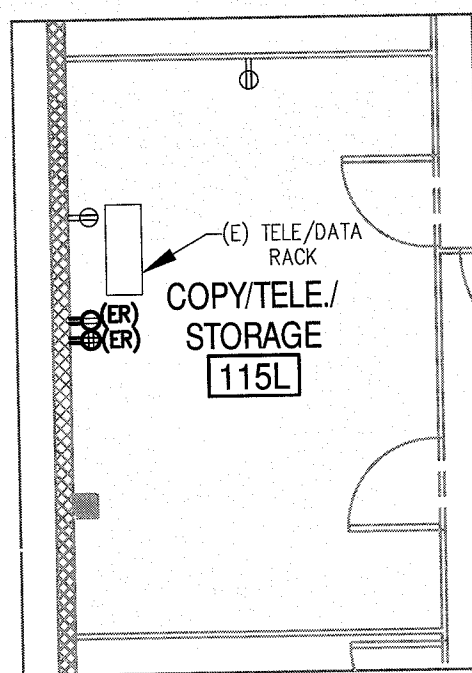


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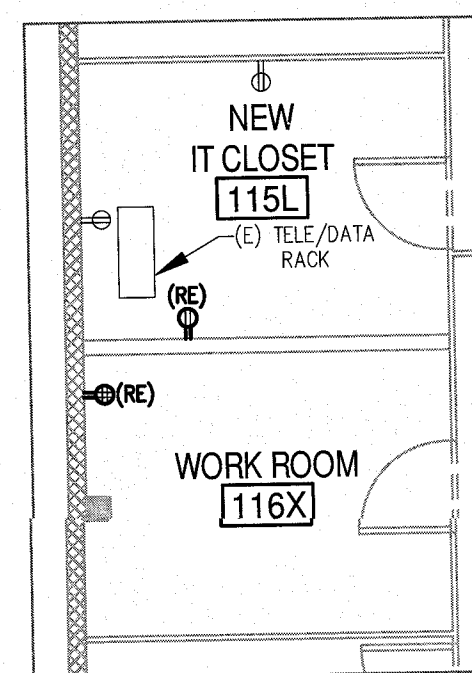


NEW WORK

1A
E105
PARTIAL FIRST FLOOR POWER PLAN -
PSYCHOLOGY (ROOM 115)
SCALE: 3/16" = 1'-0"

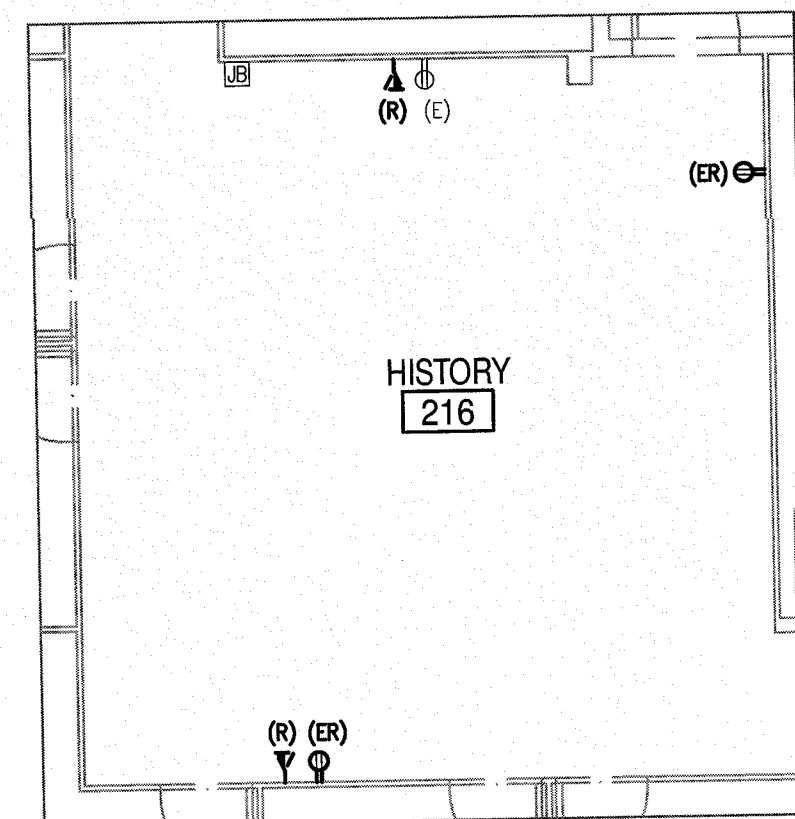


EXISTING/DEMOLITION WORK

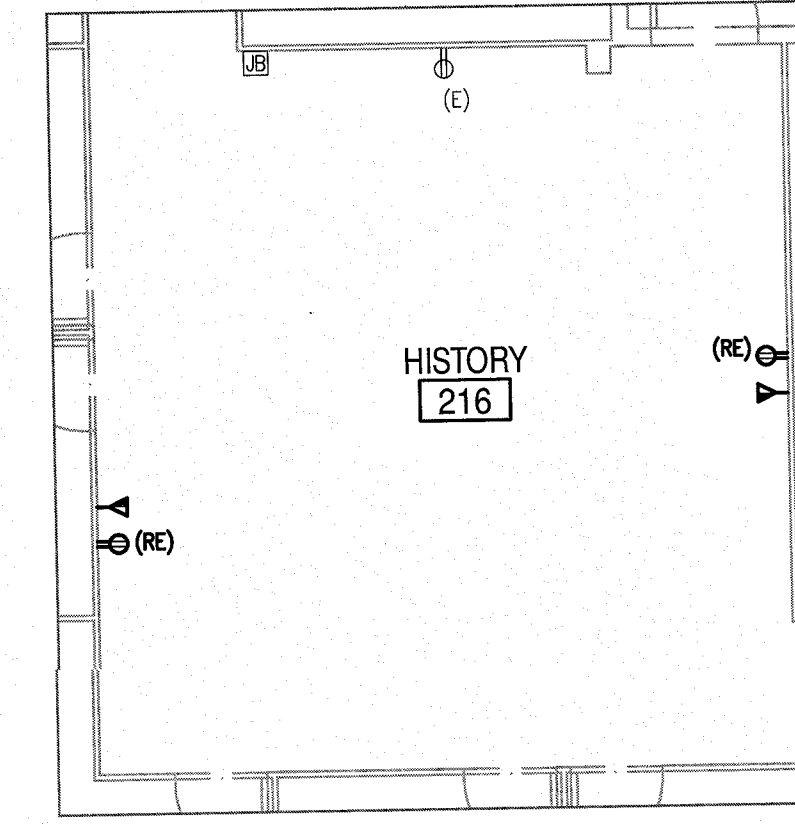


NEW WORK

1B
E105
PARTIAL FIRST FLOOR POWER PLAN -
IT CLOSET (ROOM 115L)
SCALE: 3/16" = 1'-0"

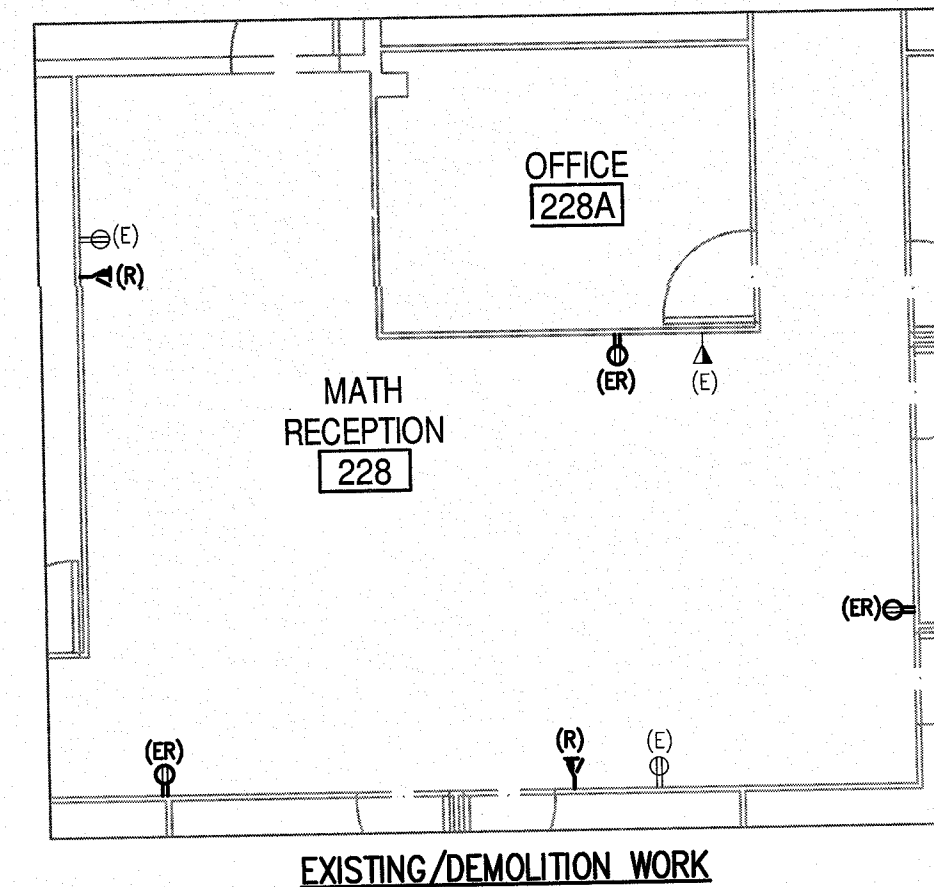


EXISTING/DEMOLITION WORK

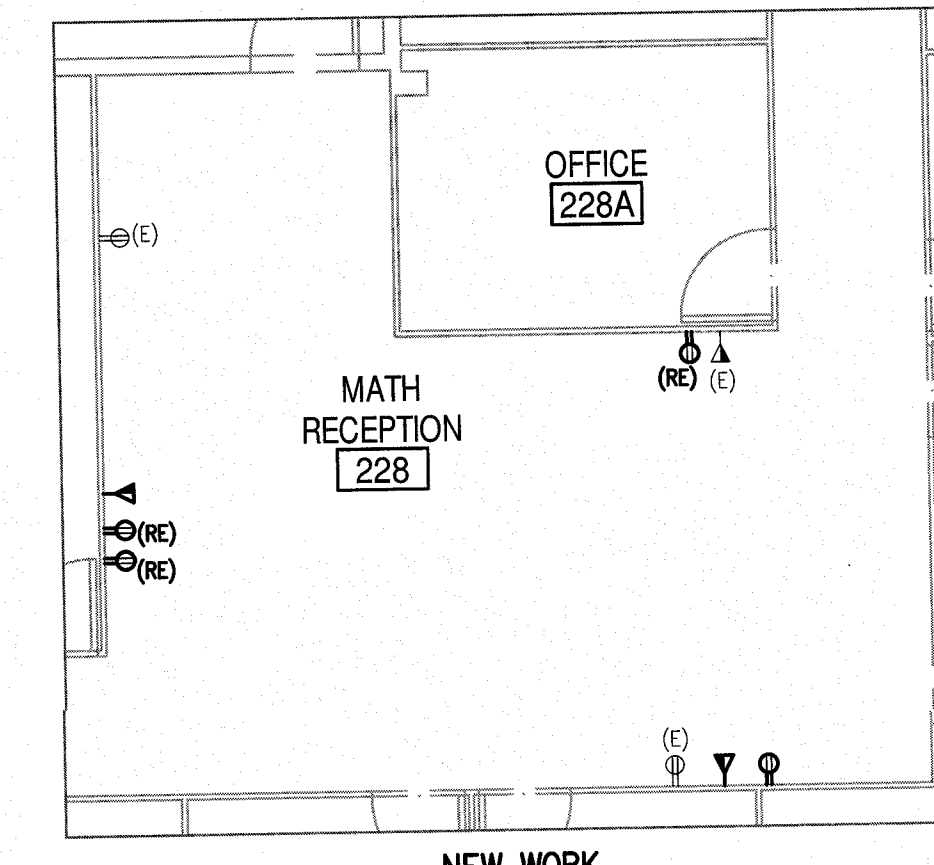


NEW WORK

2A
E105
PARTIAL SECOND FLOOR POWER PLAN -
HISTORY (ROOM 216)
SCALE: 3/16" = 1'-0"

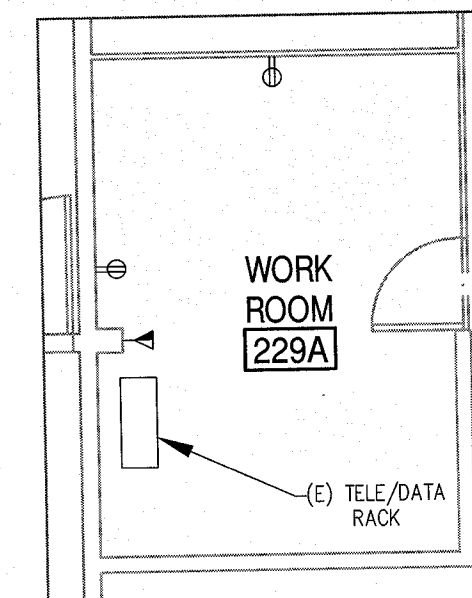


EXISTING/DEMOLITION WORK

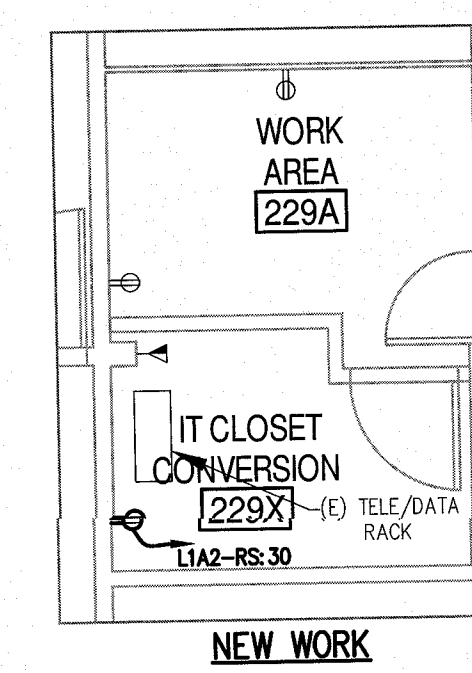


NEW WORK

2B
E105
PARTIAL SECOND FLOOR POWER PLAN -
MATH (ROOM 228)
SCALE: 3/16" = 1'-0"

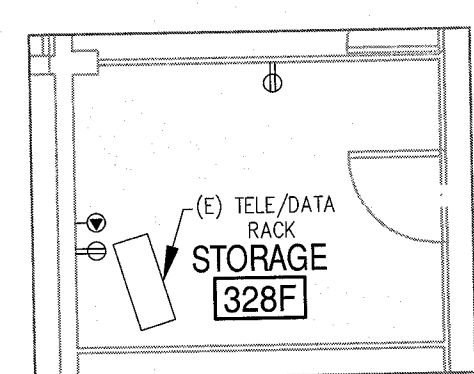


EXISTING/DEMOLITION WORK

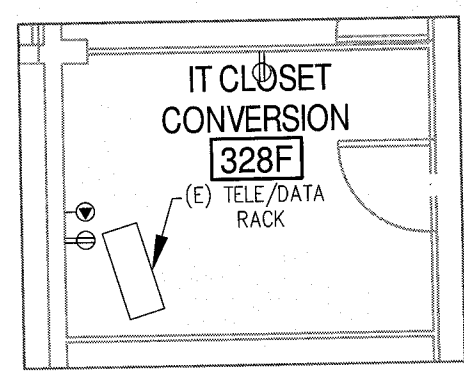


NEW WORK

2C
E105
PARTIAL SECOND FLOOR POWER PLAN -
IT CLOSET (ROOM 229X)
SCALE: 3/16" = 1'-0"

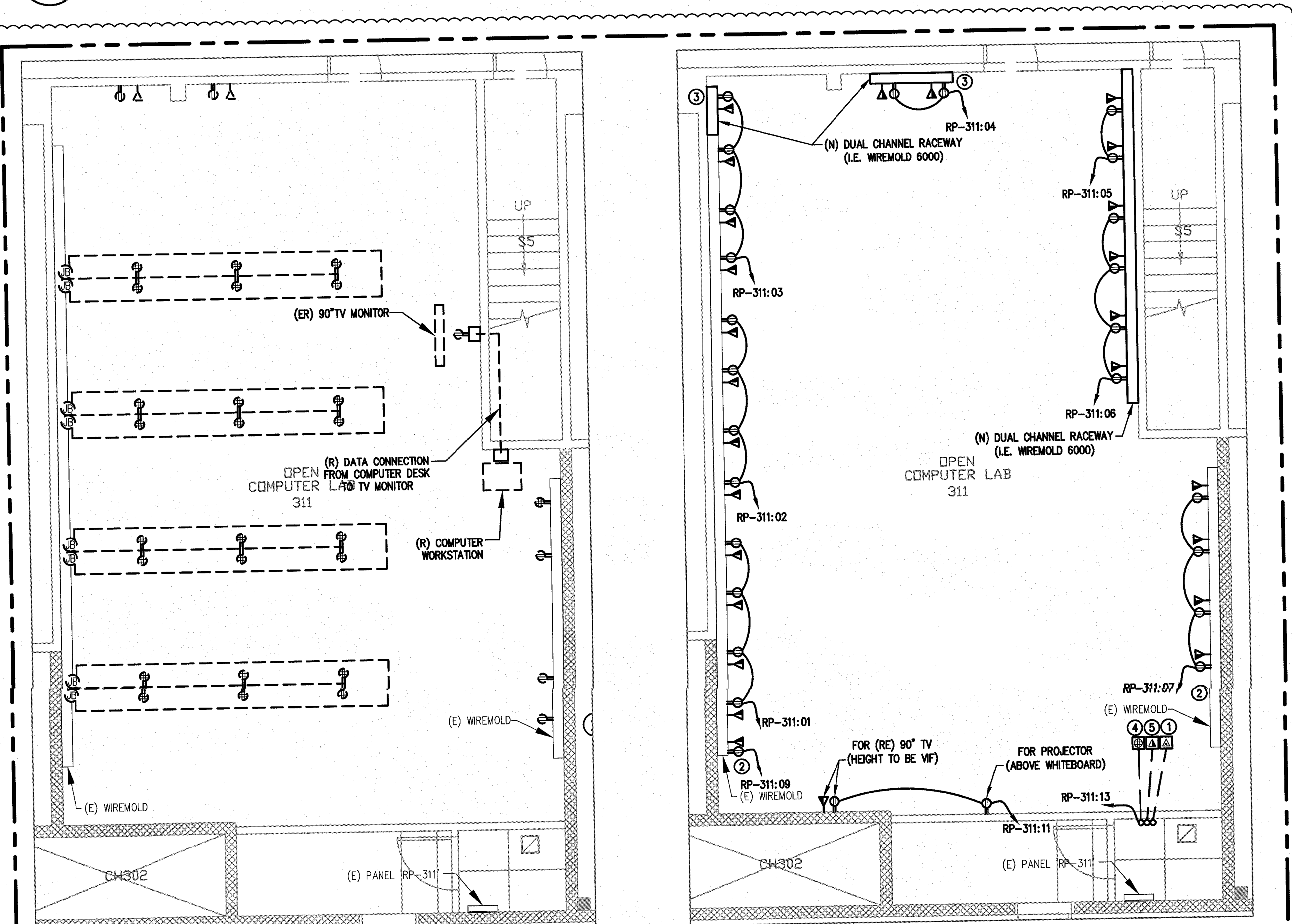


EXISTING/DEMOLITION WORK



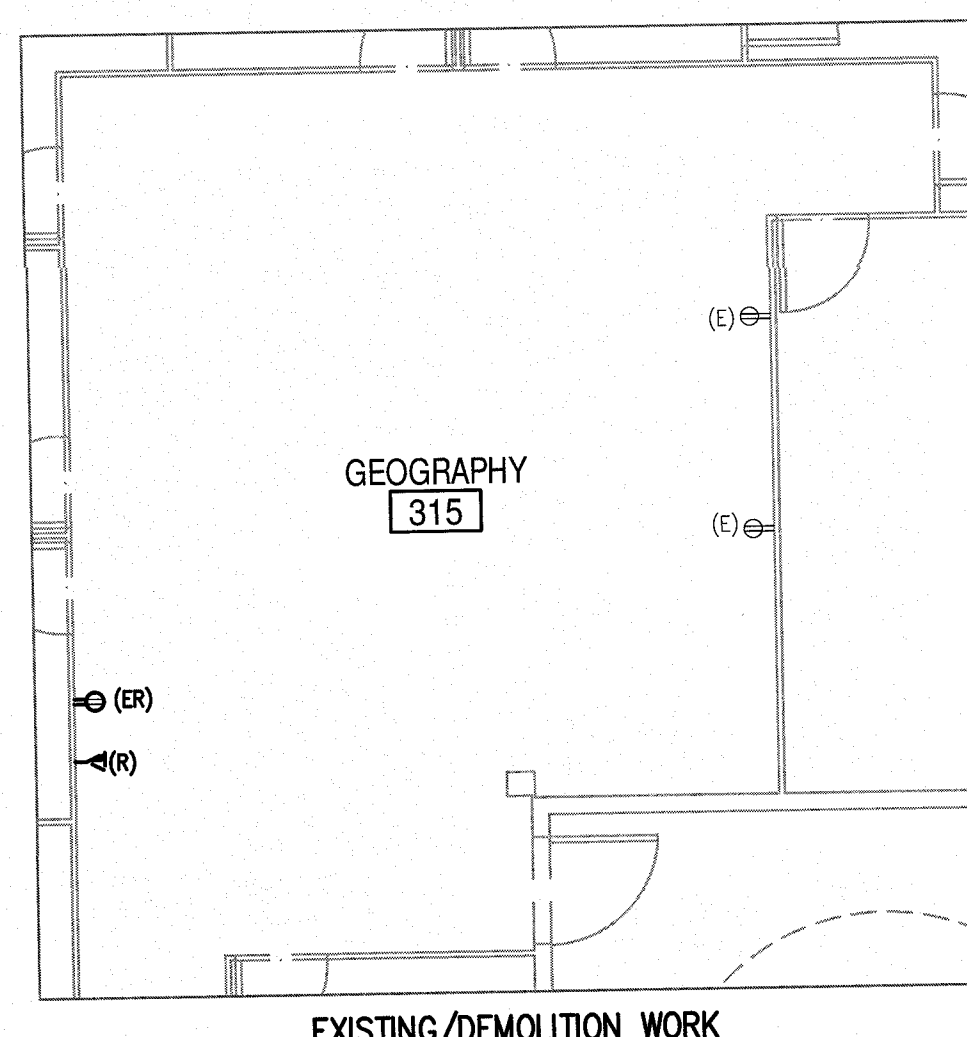
NEW WORK

3A
E105
PARTIAL THIRD FLOOR POWER PLAN - IT CONVERSION CLOSET (ROOM 328F)
SCALE: 3/16" = 1'-0"

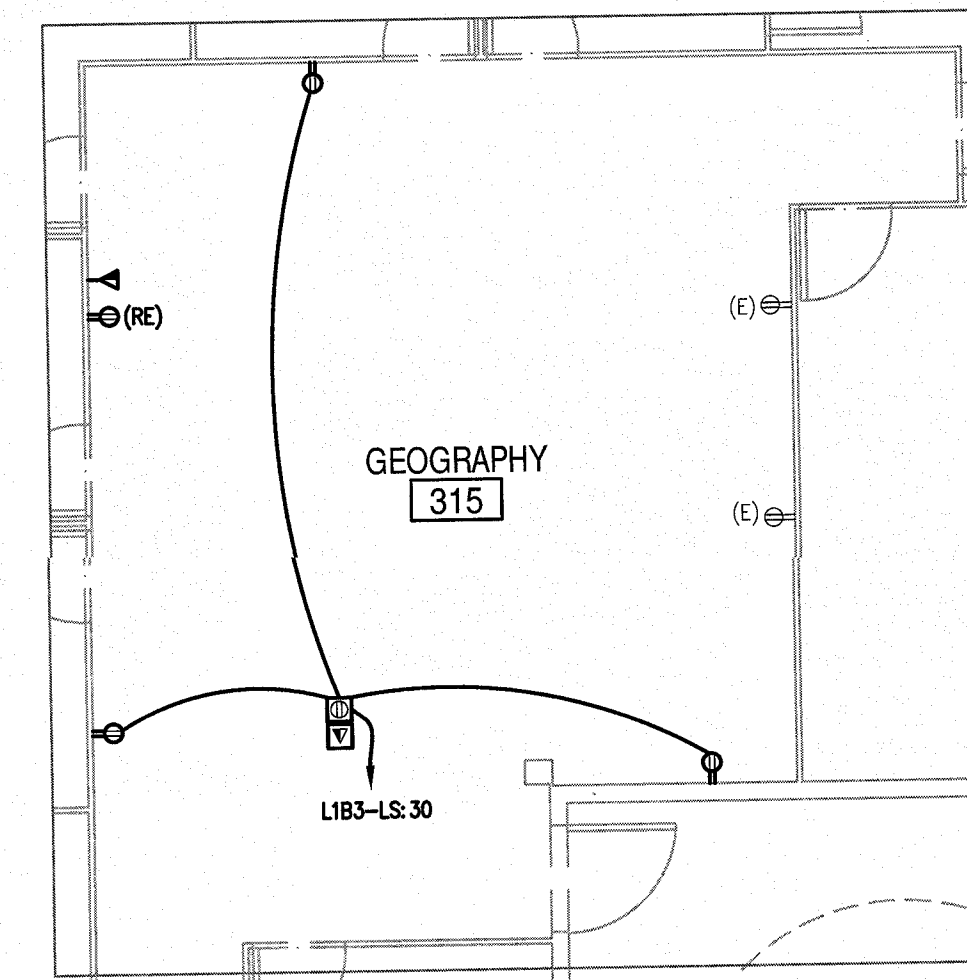


EXISTING/DEMOLITION WORK

3B
E105
PARTIAL THIRD FLOOR POWER PLAN - OPEN COMPUTER LAB (ROOM 311)
SCALE: 3/16" = 1'-0"

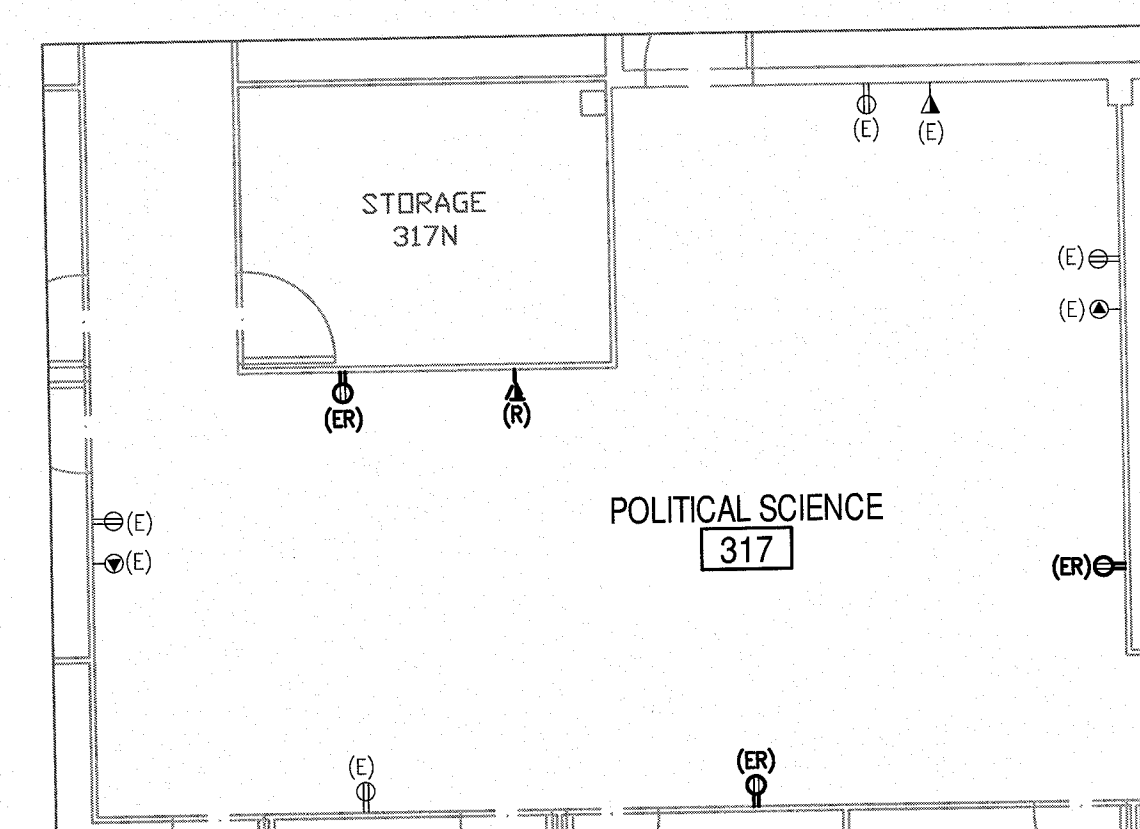


EXISTING/DEMOLITION WORK

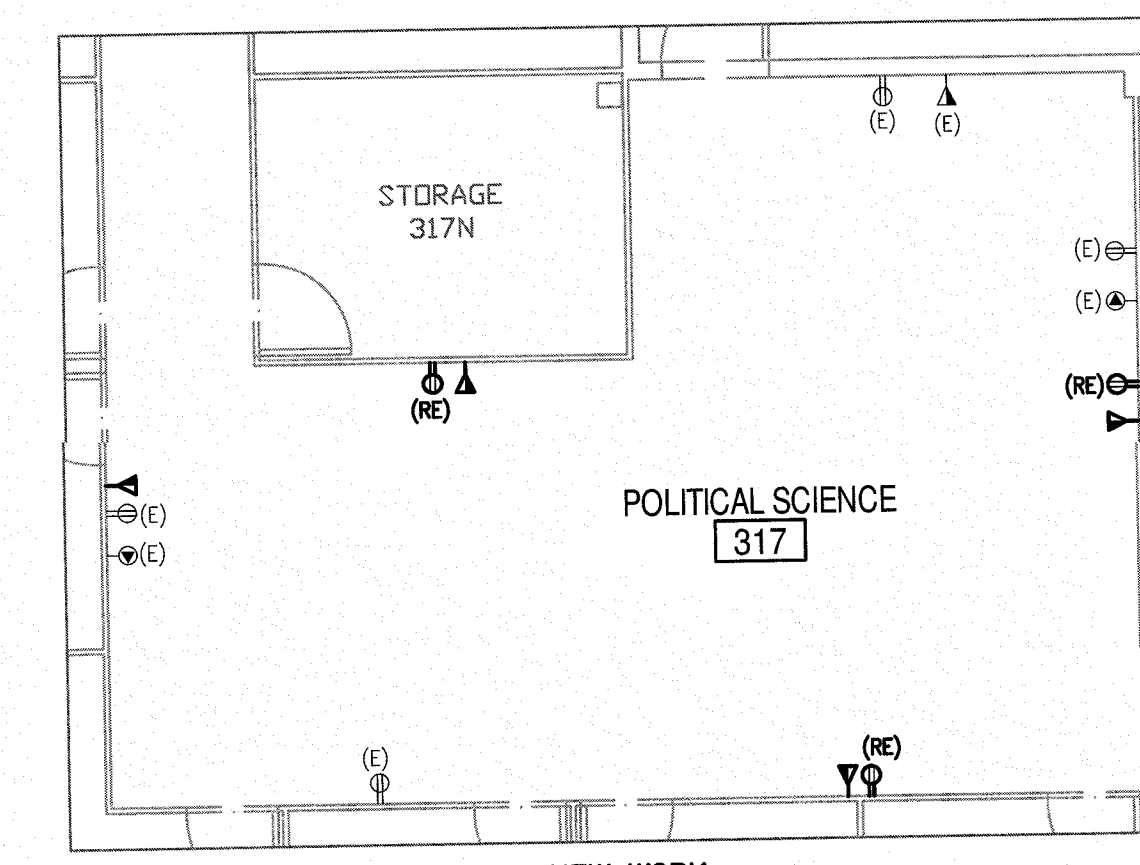


NEW WORK

3C
E105
PARTIAL THIRD FLOOR POWER PLAN -
GEOGRAPHY (ROOM 315)
SCALE: 3/16" = 1'-0"

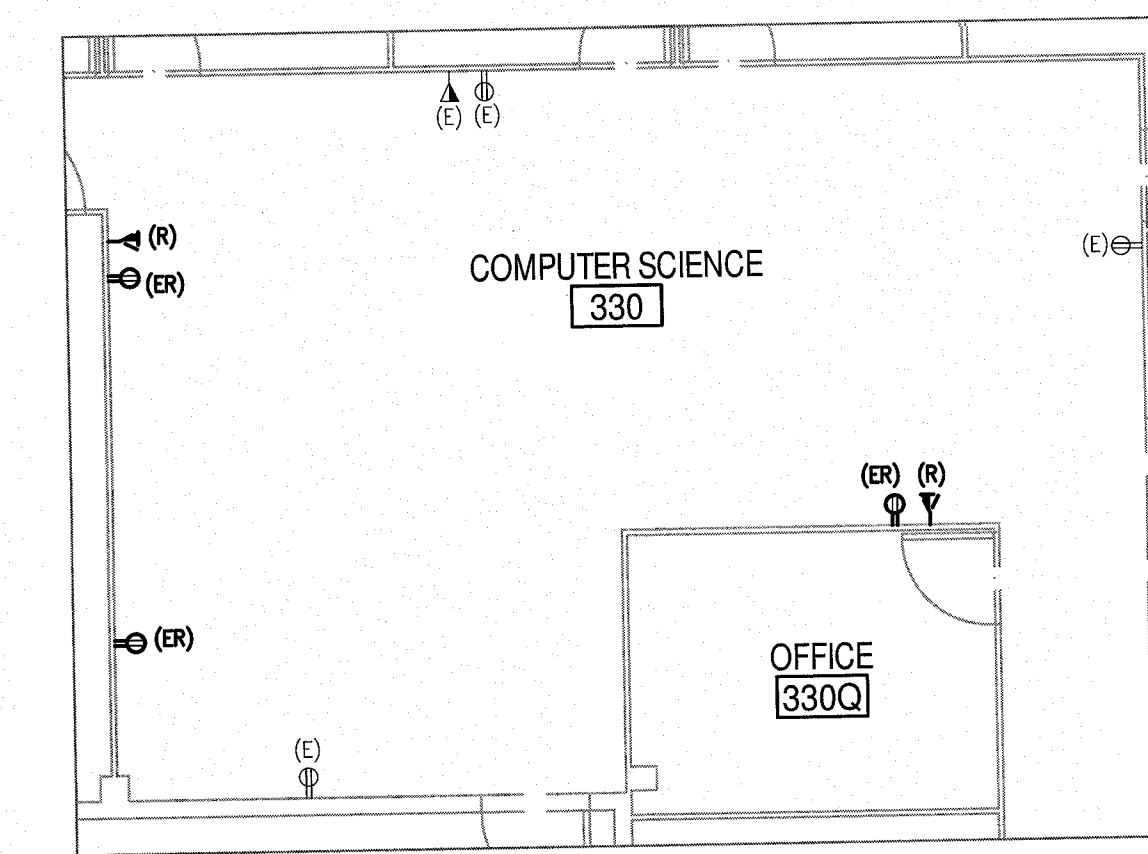


EXISTING/DEMOLITION WORK

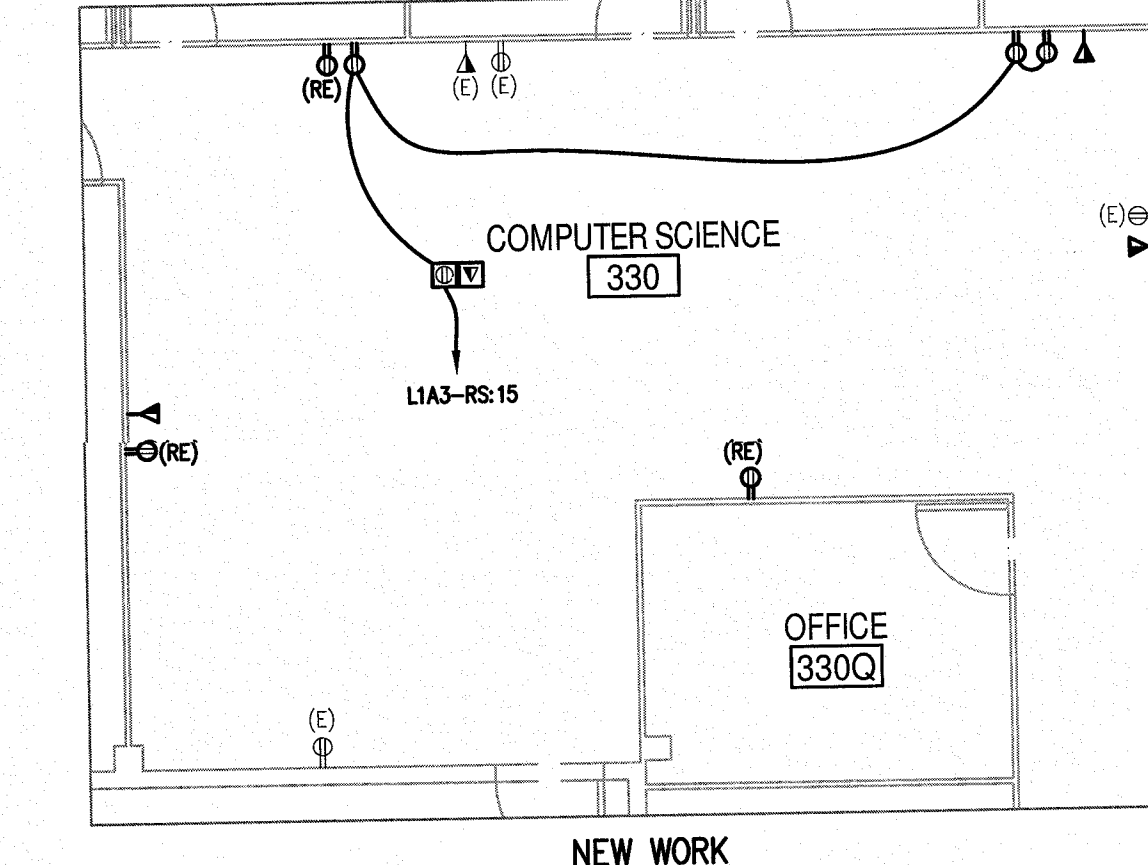


NEW WORK

3D
E105
PARTIAL THIRD FLOOR POWER PLAN -
POLITICAL SCIENCE & ECONOMICS (ROOM 317)
SCALE: 3/16" = 1'-0"

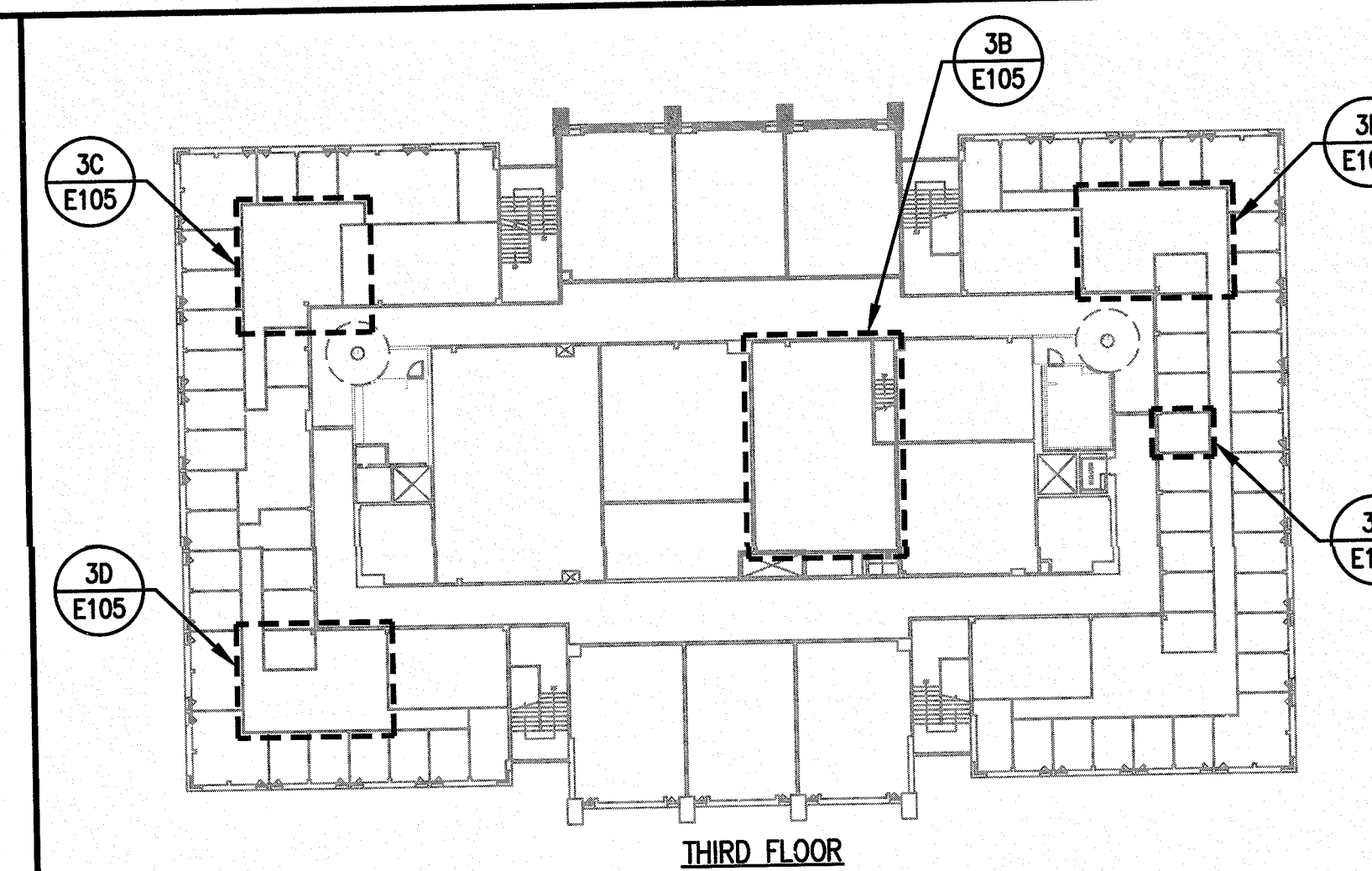


EXISTING/DEMOLITION WORK

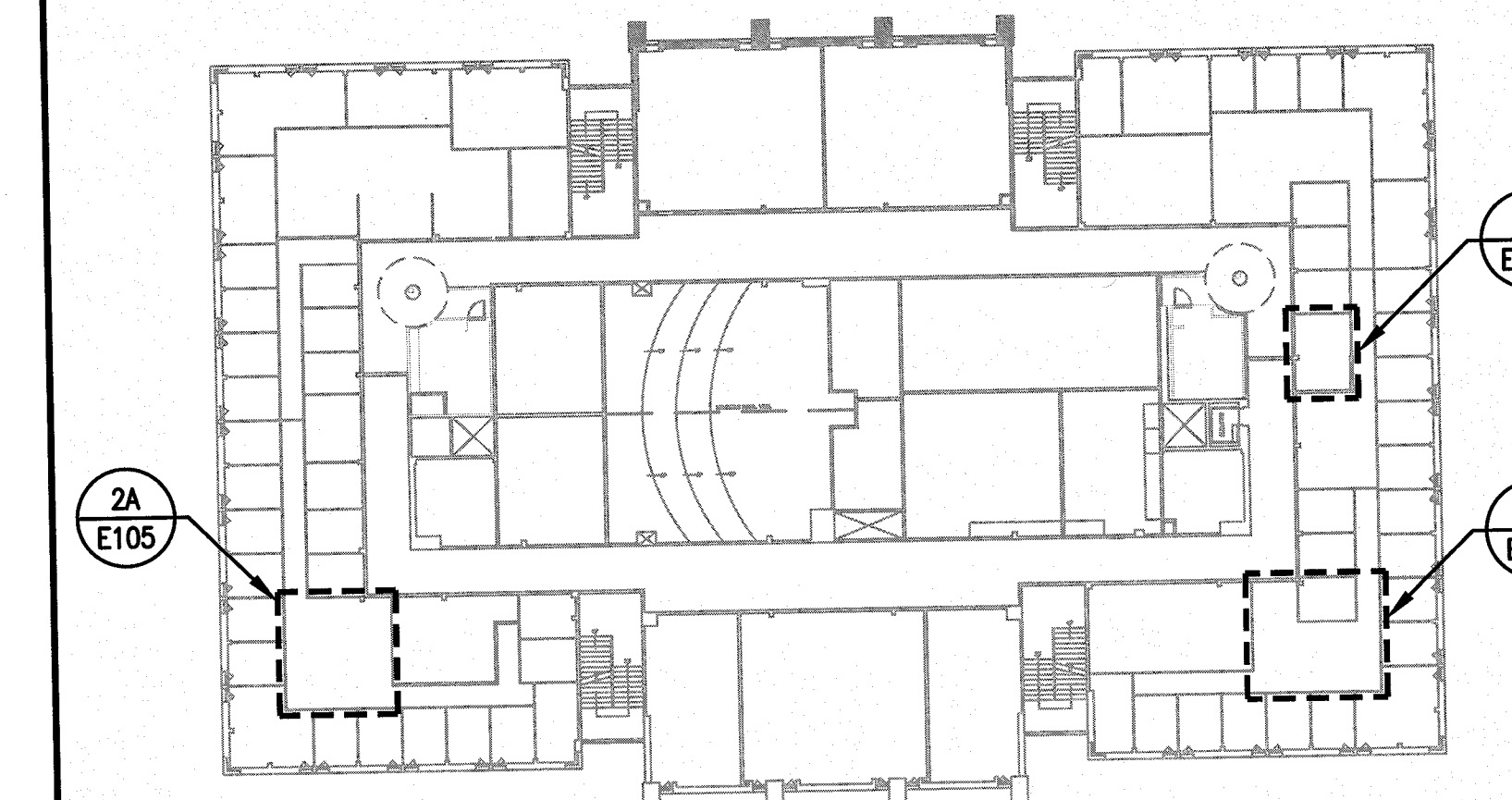


NEW WORK

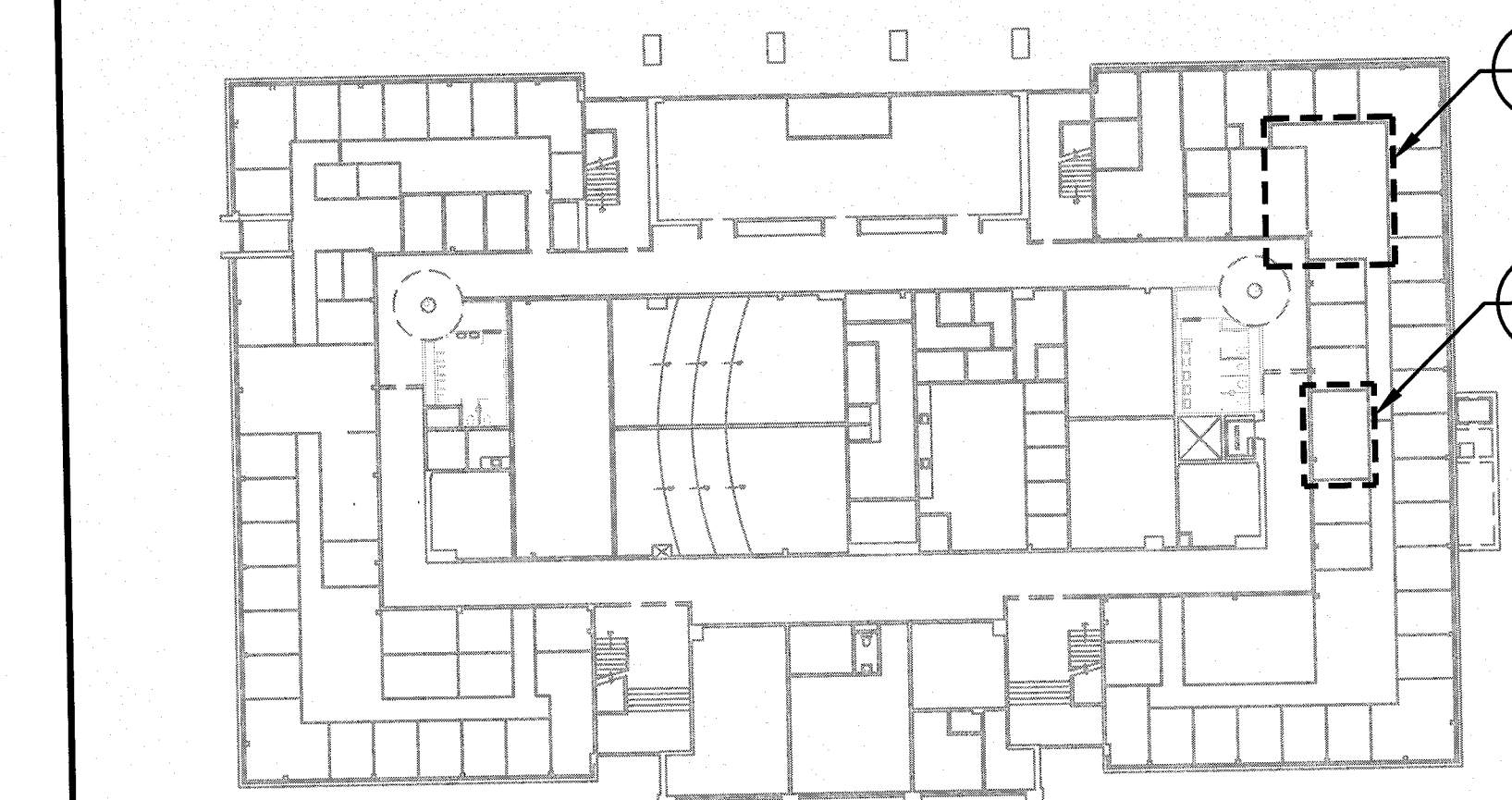
3E
E105
PARTIAL THIRD FLOOR POWER PLAN -
COMPUTER SCIENCE (ROOM 330)
SCALE: 3/16" = 1'-0"



THIRD FLOOR



SECOND FLOOR



FIRST FLOOR

KEY PLANS

SCALE: NOT TO SCALE

GENERAL NOTES

- FOR ALL NEW VOICE/DATA JACKS SHOWN IN FINISHED AREAS, EC SHALL INSTALL BACKBOX AND SURFACE MOUNTED RACEWAY (I.E. WIREMOLD 700 SERIES) UP TO ACCESSIBLE CEILING ABOVE. ALL VOICE/DATA CABLES WILL BE INSTALLED BY OWNER.
- MOST OF THE WALLS IN THE OCCUPIED AREAS CONTAIN ASBESTOS AND THEREFORE THE EC MAY ONLY MOUNT SURFACE METAL RACEWAY TO THE METAL OVERLAP STRIPS. EC SHALL COORDINATE IN THE FIELD AND EXERCISE EXTREME CAUTION.
- EC SHALL RELOCATE EXISTING UPS'S AS REQUIRED FOR IT CLOSET WORK. COORDINATE WITH OWNER.

KEYED NOTES

- NEW DATA PORT (TO BE INSTALLED BY OWNER). INSTALL 2" CONDUIT IN 2ND FLOOR CEILING OVER TO WALL AND COREDRILL FLOOR AS REQUIRED IN ORDER TO EXTEND THE 2" CONDUIT TO ABOVE THE 3RD FLOOR CEILING.
- EC SHALL MODIFY EXISTING DUAL CHANNEL SURFACE METAL RACEWAY AS REQUIRED TO ACCOMMODATE THE NEW RECEPTACLE AND DATA JACK LAYOUT AS SHOWN. PROVIDE ALL REQUIRED ACCESSORIES.
- EC SHALL INSTALL NEW DUAL CHANNEL SURFACE METAL RACEWAY (I.E. WIREMOLD 6000) TO MATCH THE EXISTING CURRENTLY IN USE IN THE ROOM. CONNECT TO EXISTING RACEWAY WHERE SHOWN AND PROVIDE DEVICES AND ACCESSORIES AS REQUIRED.
- EC SHALL INSTALL NEW WIREMOLD 6AT EVOLUTION SERIES FLOOR BOX WITH QUAD RECEPTACLE FOR ROOM. INSTALL 3/4" CONDUIT IN 2ND FLOOR CEILING OVER TO WALL AND COREDRILL FLOOR AS REQUIRED.
- NEW A/V PORT (TO BE INSTALLED BY OWNER). INSTALL 2" CONDUIT IN 2ND FLOOR CEILING OVER TO WALL AND COREDRILL FLOOR AS REQUIRED IN ORDER TO EXTEND THE 2" CONDUIT TO ABOVE THE 3RD FLOOR CEILING.

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PROJECT:

Rowan University

**ROBINSON HALL
HVAC PHASE III**

ARCHITECT:

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architectura
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STRUCTURAL ENGINEER:

**JOSEPH B CALLAGHAN
CONSULTING ENGINEERS**
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AS BUILT

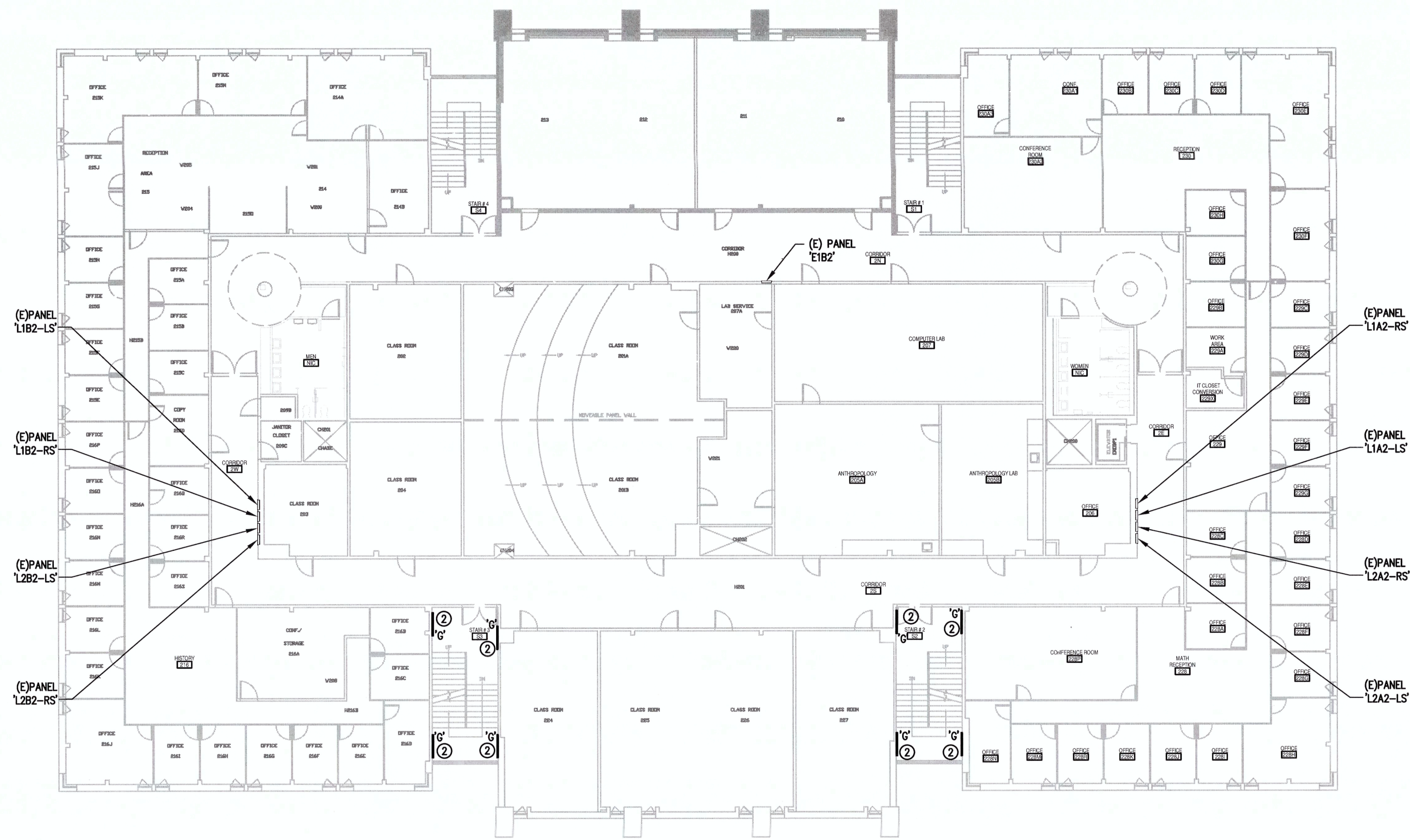
DATE: 10/7/16

IF THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF ITEMS SHOWN ON THIS DRAWING SHALL VERIFY THE EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO BURRIS ENGINEERS FOR CORRECTION. ESTIMATE RECALCULATION, ETC. AS REQUIRED.
IF ALL REVISIONS ARE RECEIVED, NO REVISIONS, REPRODUCTION, OR USE OF ANY PARTS OF THE DRAWING MAY BE MADE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ARCHITECT. ALL REVISIONS SHALL BE MADE BY THE ARCHITECT. CONTRACTOR SHALL VERIFY AND CORRECT ALL DISCREPANCIES IN THE FIELD AND NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES ON THE DRAWING. COPIES OF THIS DRAWING WITHOUT A PROFESSIONAL ENGINEER'S SEAL AND ORIGINAL SIGNATURE SHALL NOT BE CONSIDERED VALID AND ARE FOR CONVENIENCE TO THE USER AT THEIR OWN RISK.

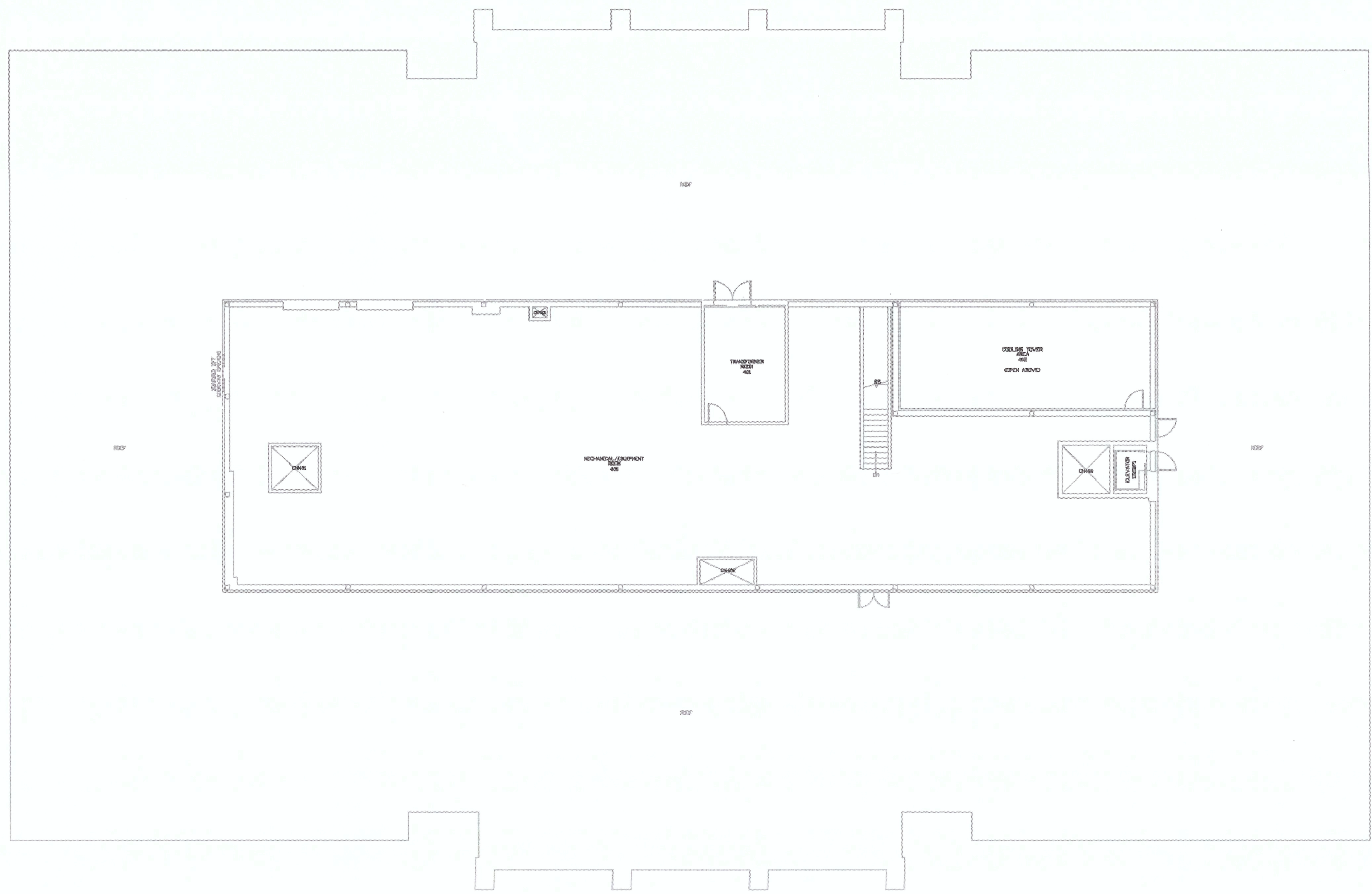
ISSUE	DATE	DESCRIPTION
03/11/16	ISSUED FOR NJDEA REVIEW	
03/31/16	ISSUED FOR BID	
05/02/16	REVISION FOR REBID	

DRAWING TITLE:
**ELECTRICAL -
POWER PLANS:
FIRST, SECOND, THIRD FLOORS**

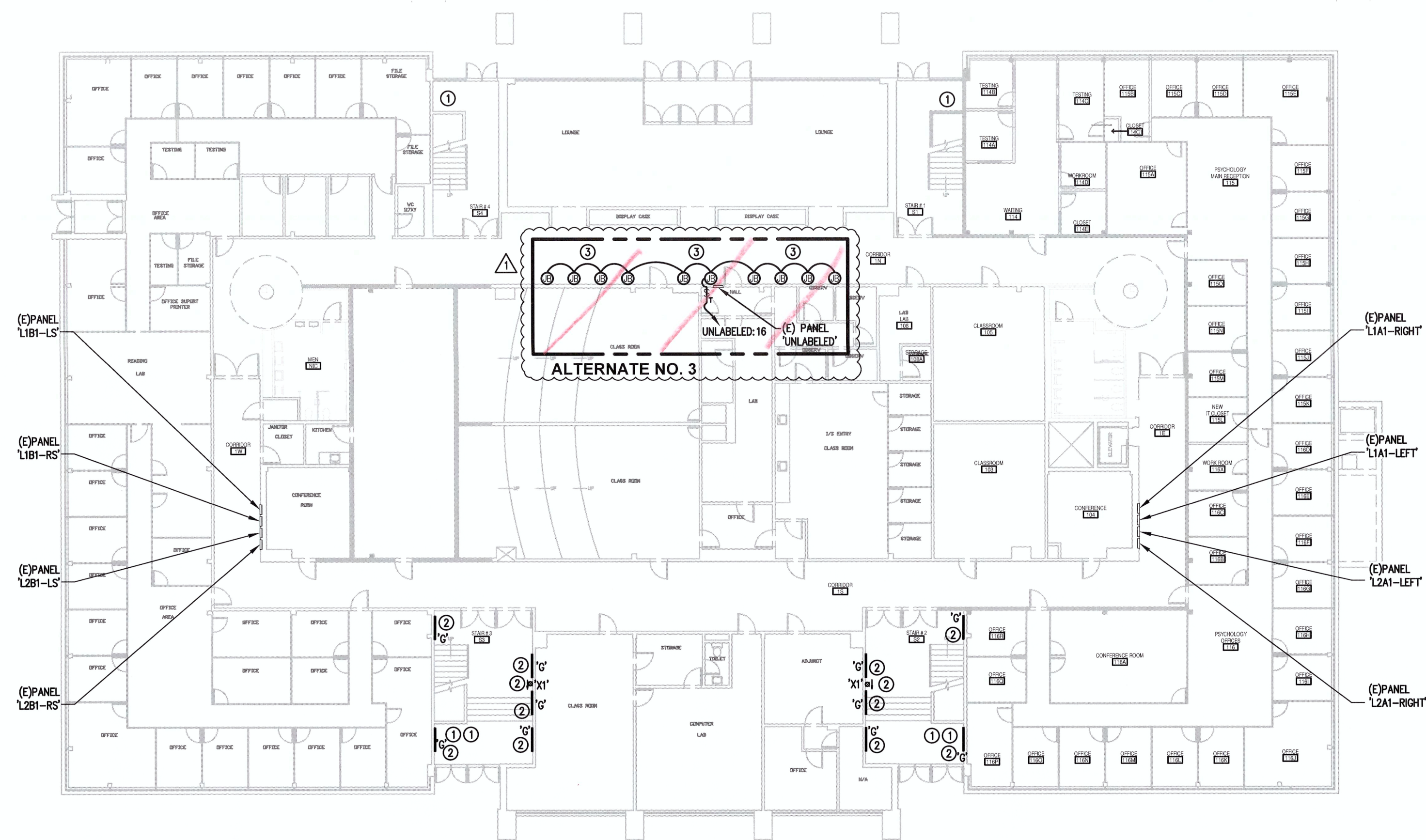
DATE: MARCH 11, 2016	DRAWING NO. E-105
SCALE: AS NOTED	
DESIGNED BY: BEI	
REFERENCE NO: 2015P037	
DRAWN BY: JMB,RMR,ATA	
CHECKED BY: JIB,JMB	
NOTE: ALL CONDUITS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	



2 SECOND FLOOR PLAN
SCALE: 1/16" = 1'-0"



4 PENTHOUSE PLAN
SCALE: 1/16" = 1'-0"



1 FIRST FLOOR PLAN
SCALE: 1/16" = 1'-0"

- NOTES:**
1. EXISTING STAINLESS STEEL CABINET UNIT HEATERS THAT ARE BEING REPLACED BY THE MC. REFER TO HVAC DRAWINGS FOR EXACT LOCATIONS. EXISTING SHALL BE DISCONNECTED TO THE EXISTING BRANCH CIRCUITS THAT FED THE UNITS BEING REMOVED.
 2. EXISTING EXISTING LIGHTING FIXTURE, INSTALL NEW LIGHTING FIXTURE, AND CONNECT TO THE EXISTING BRANCH CIRCUIT AS REQUIRED.
 3. EXISTING SHALL MAKE ALL NECESSARY WIRING CONNECTIONS TO (TO) NEW ILLUMINATED WALL PANELS USING CIRCUIT AS INDICATED. VERIFY EXACT LOCATION OF TIMER SWITCH WITH OWNER PRIOR TO INSTALLATION. PER OWNER'S REQUEST, ILLUMINATED WALL PANELS SHALL TURN OFF AT 11PM AND TURN ON AT 6AM. VERIFY PROGRAMMING WITH OWNER AND MODIFY AS REQUIRED.

ALTERNATE NO. 3

0 BASEMENT PLAN
SCALE: 1/16" = 1'-0"



3 THIRD FLOOR PLAN
SCALE: 1/16" = 1'-0"

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GLASSBORO, NEW JERSEY 08028-1705

PROJECT:
Rowan University
ROBINSON HALL
HVAC PHASE III

ARCHITECT:
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STRUCTURAL ENGINEER:
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1617 JOHN F. KENNEDY BLVD.
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215-695-0497

SEAL:

1. THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF ITEMS SHOWN ON THIS DRAWING SHALL VERIFY THE EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO BURRIS ENGINEERS FOR CORRECTION, OBTAINING RECALCULATION, ETC. AS REQUIRED.
2. ALL RIGHTS ARE RESERVED. NO REPRODUCTION OR USE OF ANY PARTS OF THE CONTENTS MAY BE MADE WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
3. NOT SCALE DRAWING. CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS IN THE FIELD AND NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES ON THE DRAWING. COPIES OF THIS DRAWING WITHOUT A PROFESSIONAL ENGINEER'S SEAL AND ORIGINAL SIGNATURE SHALL NOT BE CONSIDERED VALID AND ARE FOR CONVENIENCE TO THE USER AT THEIR OWN RISK.

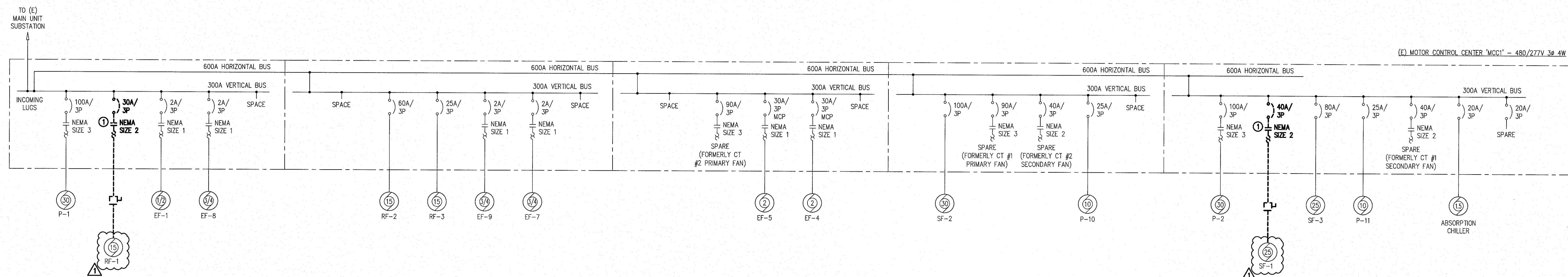
REVISIONS		
ISSUE	DATE	DESCRIPTION
	03/11/16	ISSUED FOR NDCIA REVIEW
	03/31/16	ISSUED FOR BID
Δ	05/02/16	REVISION FOR REBID

DRAWING TITLE:
ELECTRICAL - GENERAL PLANS & NOTES

DATE:	MARCH 11, 2016	DRAWING NO.	E-106
SCALE:	AS NOTED	DESIGNED BY:	
DESIGNED BY:	BEI	REFERENCE NO.:	
REFERENCE NO.:	2015P037	DRAWN BY:	
DRAWN BY:	JMB,RMR,ATA	CHECKED BY:	BEI PROJECT NO.:
CHECKED BY:	JMB		2015P037

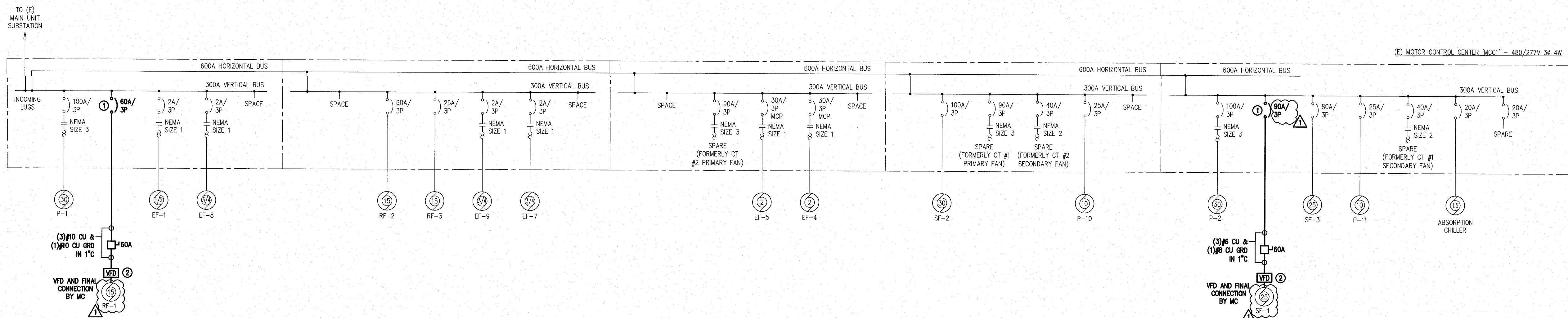
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

AS BUILT
DATE: 10/7/16



1 PARTIAL MOTOR CONTROL CENTER 'MCC1' SINGLE LINE DIAGRAM - DEMOLITION

SCALE: NONE
 REVISION: 1
 E201
 NEVER DEMOLITION SLD NOTES:
 1. EC SHALL COORDINATE ALL DEMOLITION WORK WITH MC. REMOVE CIRCUIT BREAKER AND STARTER ASSEMBLY FROM EXISTING MOTOR CONTROL CENTER BUCKET. REMOVE ASSOCIATED DEVICES (PULS LIGHTS, ETC) IN FRONT DOOR ASSEMBLY AND PROVIDE APPROVED FILLER PLATES.



2 PARTIAL MOTOR CONTROL CENTER 'MCC1' SINGLE LINE DIAGRAM - NEW WORK

SCALE: NONE
 REVISION: 2
 E201
 NEVER NEW WORK SLD NOTES:
 1. EC SHALL INSTALL ALL NEW COMPONENTS WITHIN THE MOTOR CONTROL CENTER AS REQUIRED FOR THE EXISTING FANS TO OPERATE PROPERLY. PROVISIONS FOR NEW CIRCUIT BREAKER SHALL BE PROVIDED WITHIN EXISTING BUCKET. COORDINATE ALL WORK WITH MC.
 2. EC SHALL PROVIDE AUXILIARY CONTACT BETWEEN VFD AND DISCONNECT SWITCH. COORDINATE REQUIREMENTS WITH OWNER.

GENERAL NEW WORK SLD NOTES:
 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
 2. EC TO VERIFY THAT EXISTING EQUIPMENT CONFIGURATION MATCHES SINGLE LINE DIAGRAM AT MINIMUM. MAKE ADJUSTMENTS AS REQUIRED AND REPORT MATERIAL CHANGES TO ENGINEER FOR REVIEW.
 3. THE EC IS RESPONSIBLE FOR THE PHYSICAL LAYOUT OF THE DISTRIBUTION EQUIPMENT MEETING WORKING CLEARANCES AND ALL OTHER REQUIREMENTS OF THE NEC BASED ON ACTUAL FIELD CONDITIONS.

AS BUILT
 DATE: 10/7/16

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REVISIONS

ISSUE	DATE	DESCRIPTION
	03/11/16	ISSUED FOR NJDECA REVIEW
	03/31/16	ISSUED FOR BID
	06/02/16	REVISION FOR REBID

DRAWING TITLE:
ELECTRICAL - SINGLE LINE DIAGRAMS

DATE: MARCH 11, 2016
 SCALE: AS NOTED
 DESIGNED BY: BEI
 REFERENCE NO.: 2015P037
 DRAWN BY: JMB RMR/ATA
 CHECKED BY: JIB/JMB
 PROJECT NO.: 2015P037
E-201

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE USER AT THEIR OWN RISK.

PANEL:		Panel 1/Unlabeled - Proposed Conditions														
MAIN:		225A M.O.														
FEEDER:		120/208 3PH, 4W														
FEEDER DATA		CRI	LOAD DESCRIPTION		C.B. TRIP NO.	C.B. LOAD KVA	PH I KVA	PH II KVA	PH C KVA	C.B. LOAD KVA	C.B. TRIP NO.	C.B. POLE NO.	LOAD DESCRIPTION	CRI	FEEDER DATA	
NO.	WIRE GRD														NO. WIRE GRD	
(E) (E) (E)	1		Single Receptacle 20A		1	20					20	1	Recept-Branch-Cash Reg.-Beverage Coder	2	(E) (E) (E)	
(E) (E) (E)	3		Recept-Trough		1	30		0		20	1		LED Lights-Touch	4	(E) (E) (E)	
(E) (E) (E)	5		Recept-Trough-Soup Hectt		1	20							Existing Load	6	(E) (E) (E)	
(E) (E) (E)	7		DP20A-Twistlock Recept. Air Curtain		2	20		0		30	2		DP30A 208V-Coffee Machine	8	(E) (E) (E)	
(E) (E) (E)	9														10	
(E) (E) (E)	11		Existing Load		2	50			0		50	2	Recept-50A 208V-Turbo Chef	12	(E) (E) (E)	
(E) (E) (E)	13														14	
(E) (E) (E)	15		Existing Load		2	30		0	1.2	0	1.2	20 (N)	1	Illuminated Wall Panels	16	2 12 12 (E)
(E) (E) (E)	17														18	
(E) (E) (E)	19		Space										Space		20	
(E) (E) (E)	21		Space					0					Space		22	
(E) (E) (E)	23		Space						0				Space		24	
(E) (E) (E)	25		Space					0					Space		26	
(E) (E) (E)	27		Space										Space		28	
(E) (E) (E)	29		Space							0			Space		30	
					TOTAL PH KVA		0	1.2	0							
					TOTAL PH AMPS		0	10	0							
					TOTAL AMPS		3									
					VOLTAGE		120	208	3ph							

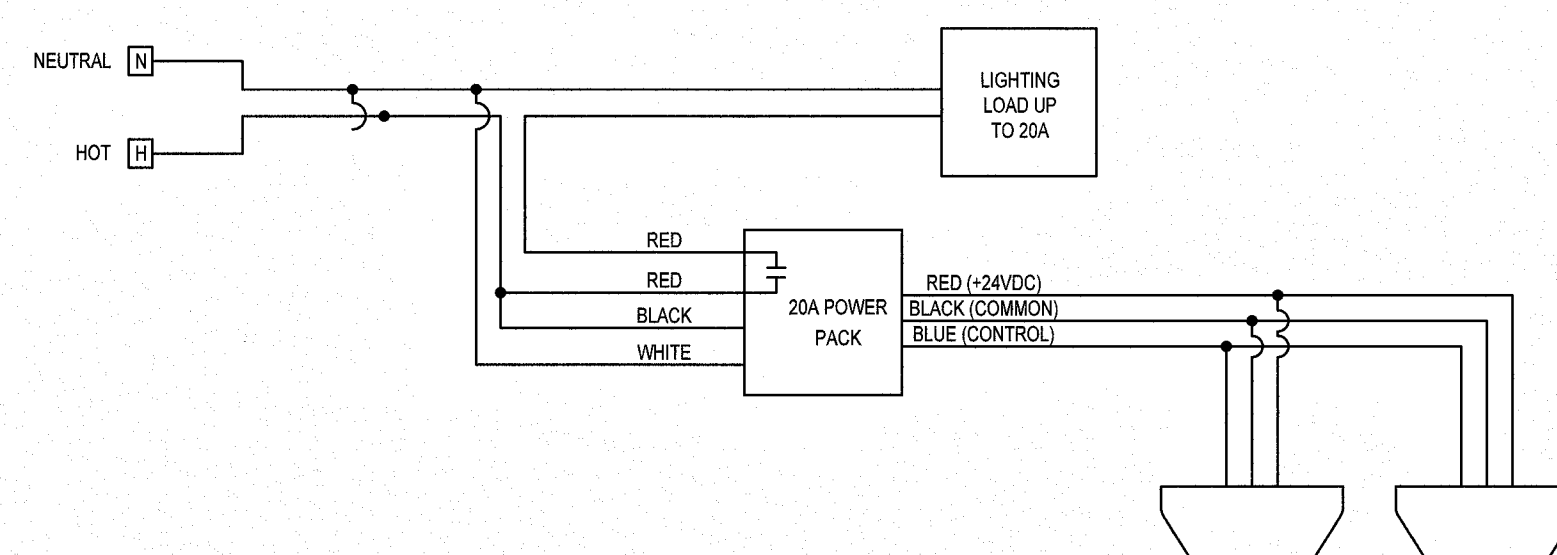
NOTES:

- 1. EC SHALL COORDINATE ALL FIRE ALARM WORK WITH THE OWNER, FIRE ALARM MAINTENANCE CONTRACTOR AND EQUIPMENT MANUFACTURER AS REQUIRED.
- 2. ALL COMPONENTS OF THE NEW DETECTOR INSTALLATION SHALL BE COMPATIBLE WITH THE EXISTING EST LISA/28 FIRE ALARM CONTROL PANEL.
- 3. EC SHALL ADD NEW 2 ZONE EXPANSION MODULE INTO EXISTING FIRE ALARM CONTROL PANEL TO EXPAND THE PANEL TO 28 ZONES.
- 4. BASIS OF DESIGN EQUIPMENT IS AS FOLLOWS:
 - EXPANSION MODULE: ESTB-Z2P ZONE EXPANSION MODULE
 - SMOKE DETECTOR: S21B
 - DUCT DETECTOR: S2C-4W
 - REMOTE TEST STATION: SD-TM04
- 5. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S REQUIREMENTS TO ENSURE THAT THE ACTIVATION OF THE DETECTOR TRIGGERS SOUNDS DOWN THE AIR HANDLING UNIT AND ALERTS THE FIRE ALARM CONTROL PANEL AS REQUIRED.
- 6. EC SHALL PERFORM ALL PROGRAMMING AND TESTING OF THE FIRE ALARM SYSTEM AS REQUIRED BY THE OWNER AND/OR ROWNAN FIRE MARSHALL AFTER ALL SPACES EC HAS BEEN PERFORMED.
- 7. EC SHALL PROVIDE FOR THE PROTECTION OF ALL EXISTING AND NEW WORK. ALL WORK SHALL BE F.P.P. FOR FLOORS, F.P.P. FOR RISERS, & F.P.P. FOR ANY PENETRATION. EC IS RESPONSIBLE FOR VERIFYING THE WIRE DINGS DURING CONNECTION AND INSPECTION AS REQUIRED.

SCALE: NOT TO SCALE

NOTES:

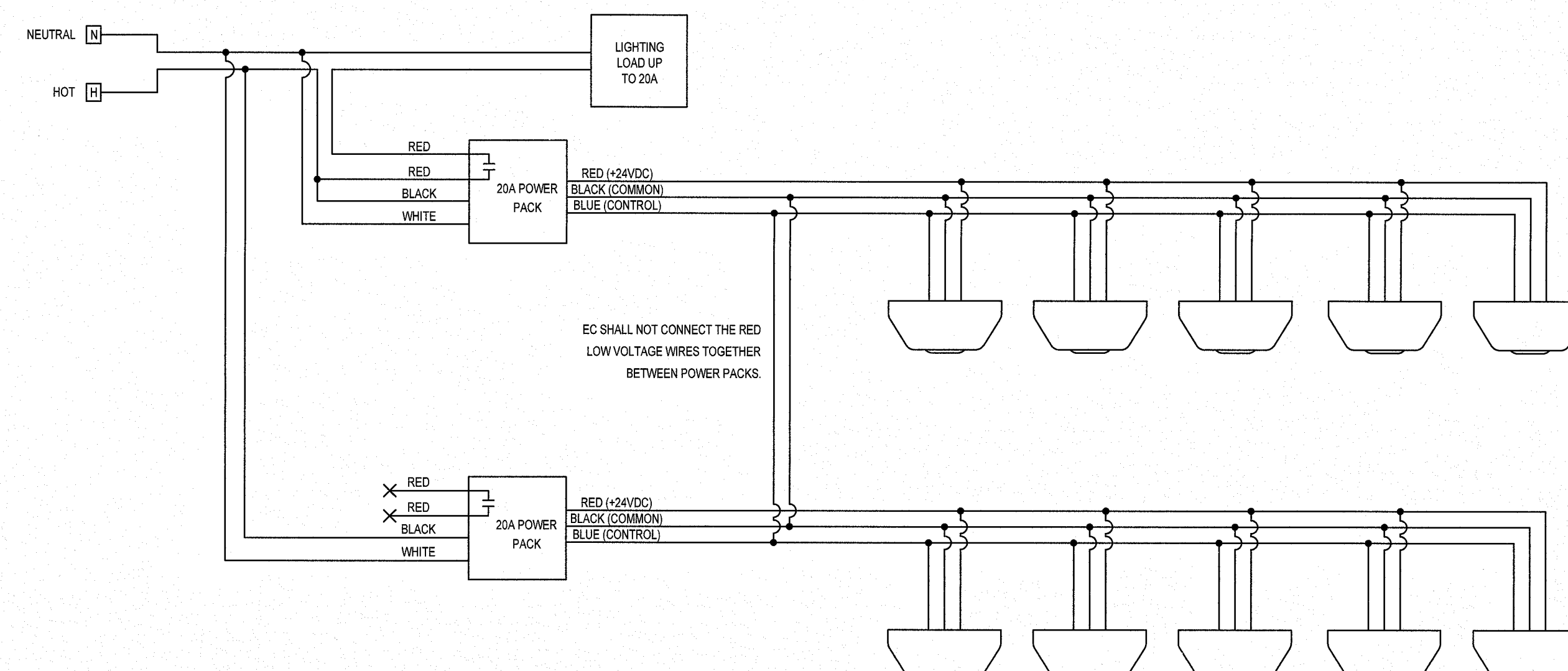
1. WIRING DIAGRAM IS BASED ON HUBBELL OMNIDT500. EC SHALL MAKE ANY FIELD WIRING MODIFICATIONS NECESSARY TO ACHIEVE DESIGN INTENT.



SCALE: NOT TO SCALE

NOTES:

1. WIRING DIAGRAM IS BASED ON HUBBELL OMNID2000 AND HUBBELL UVPP POWER PACKS. EC IS RESPONSIBLE FOR ALL WIRING CONNECTIONS PER MANUFACTURER'S REQUIREMENTS TO ACHIEVE THE DESIGN INTENT.
2. NO MORE THAN 5 DEVICES (SENSORS OR SLAVE PACKS) SHALL BE POWERED BY EACH POWER PACK.
3. NO MORE THAN 4 POWER PACKS SHALL BE CONNECTED AS SHOWN.
4. FOR CLARITY, GROUNDING HAS NOT BEEN SHOWN. EC IS RESPONSIBLE FOR ALL GROUNDING PER NEC ARTICLE 250.



SCALE: NOT TO SCALE

NOTES:

1. WIRING DIAGRAM IS BASED ON HUBBELL OMNUS2000 AND HUBBELL UVPP POWER PACKS. EC IS RESPONSIBLE FOR ALL WIRING CONNECTIONS PER MANUFACTURER'S REQUIREMENTS TO ACHIEVE THE DESIGN INTENT.
2. EC SHALL REPLACE EXISTING HALLWAY OCCUPANCY SENSORS OUTSIDE THE PROJECT AREA AS REQUIRED TO ACHIEVE THE DESIGN INTENT.

AS BUILT

DATE: 10/7/14

ENGINEER:

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SEAL:

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REVISIONS		
ISSUE	DATE	DESCRIPTION
	03/11/16	ISSUED FOR NJDCA REVIEW
	03/31/16	ISSUED FOR BID
A	05/02/16	REVISION FOR REBID

DRAWING TITLE:
ELECTRICAL -
SCHEDULES, DIAGRAMS & DETAILS

DATE: MARCH 11 2016

SCALE:

AS NOTED

DESIGNED BY:
BEI

REFERENCE NO.:

2015P037

DRAWN BY: JMB, RMR, A

CHECKED BY: _____

JIB,JMB	2015P037
NOTE:	ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK