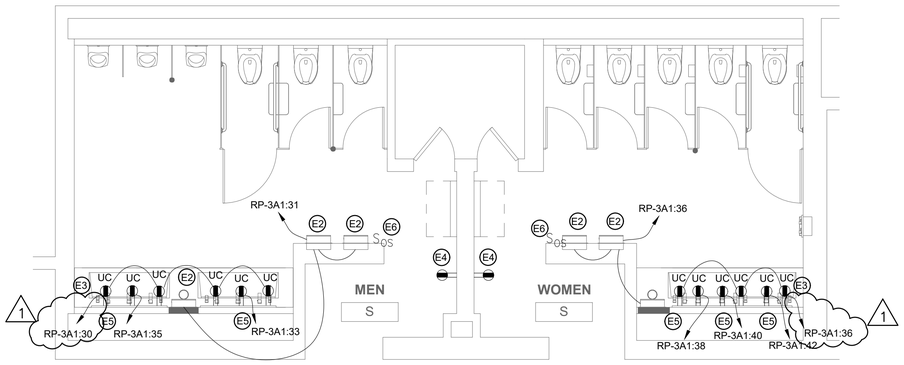
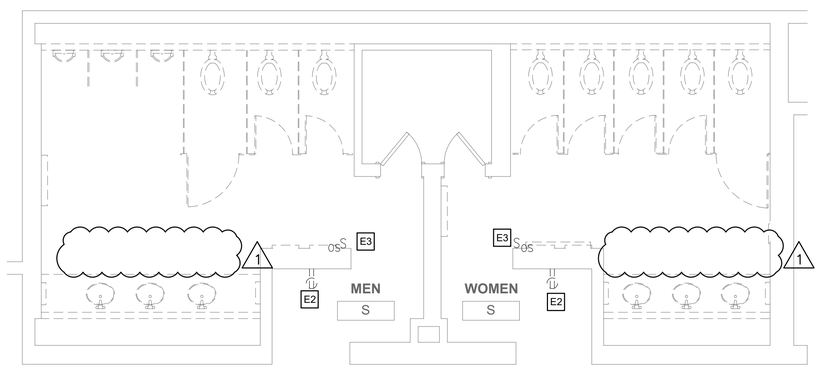


2 E110 FLOOR PLAN - MEN'S & WOMEN'S ROOM S

SCALE: 1/4" = 1'-0"



1 E110 DEMO PLAN - MEN'S & WOMEN'S ROOM S

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS. PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT..

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

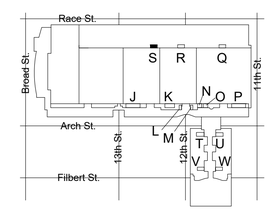
E5 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES ON DEDICATED BRANCH CIRCUITS UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW HAND DRYERS. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

Arora Engineers, Inc.
61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
P (610) 459-7900 | F (610) 459-7950 | aroraengineers.com

Contact: Kevin Sultanik
e-mail: ksultanik@aroraengineers.com

STRUCTURAL ENGINEERS:
CSA GROUP
1341 NORTH DELAWARE AVENUE, SUITE 507
PHILADELPHIA, PA 19125

Ph: 215.427.8700
Fax: 215.427.8752

Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RYAN M. ROGALA ENGINEER PE067027

REVISIONS:

No.	Description	Date
1	ELEC UPDATE	11/08/19

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM S (EXHIBIT)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E110

Scale 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
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8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

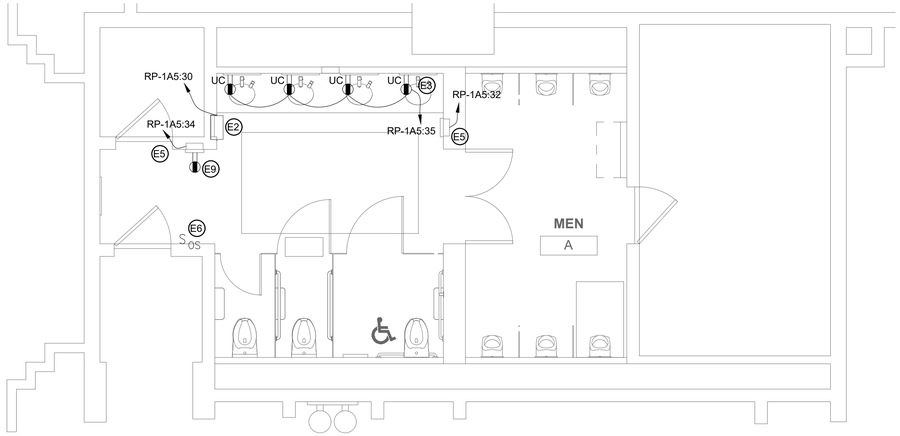
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

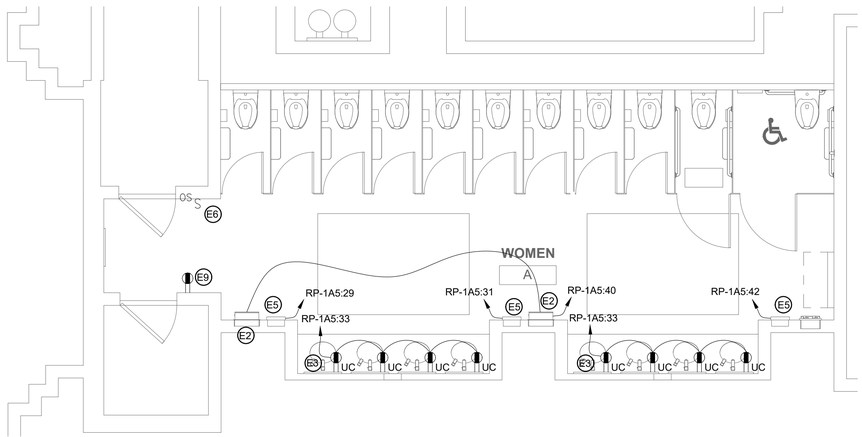
E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

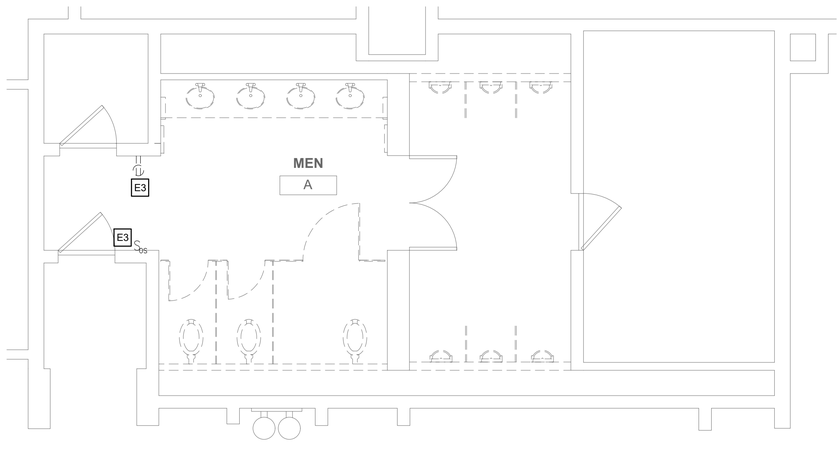
E9 NEW RECEPTACLE AT EXISTING LOCATION.



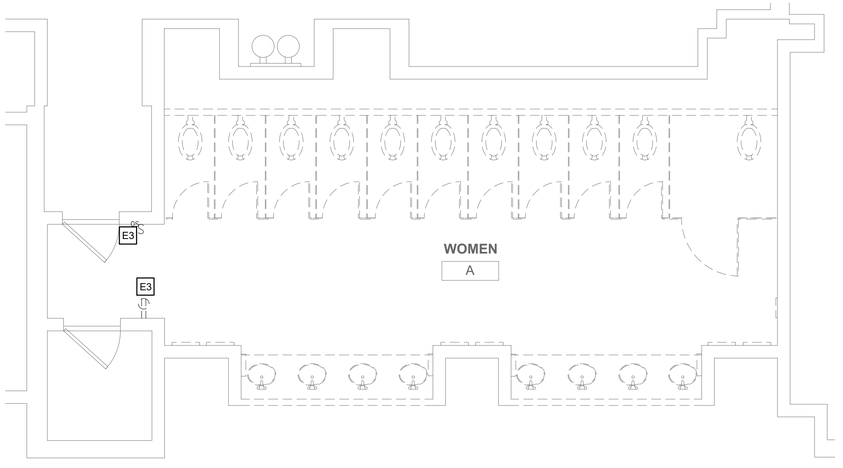
4 E111 **FLOOR PLAN - MEN'S ROOM A**
SCALE: 1/4" = 1'-0"



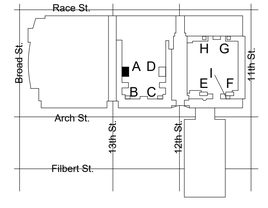
3 E111 **FLOOR PLAN - WOMEN'S ROOM A**
SCALE: 1/4" = 1'-0"



2 E111 **DEMO PLAN - MEN'S ROOM A**
SCALE: 1/4" = 1'-0"



1 E111 **DEMO PLAN - WOMEN'S ROOM A**
SCALE: 1/4" = 1'-0"



KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

Arora Engineers, Inc.
61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
P (610) 459-7900 | F (610) 459-7950 | aroraengineers.com

Contact: Kevin Sultanik
e-mail: ksultanik@aroraengineers.com

STRUCTURAL ENGINEERS:
CSA GROUP
1341 NORTH DELAWARE AVENUE, SUITE 507
PHILADELPHIA, PA 19125

Ph: 215.427.8700
Fax: 215.427.8752

Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

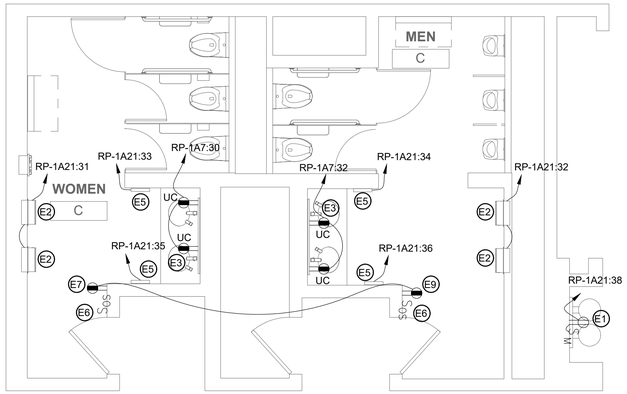
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM A (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

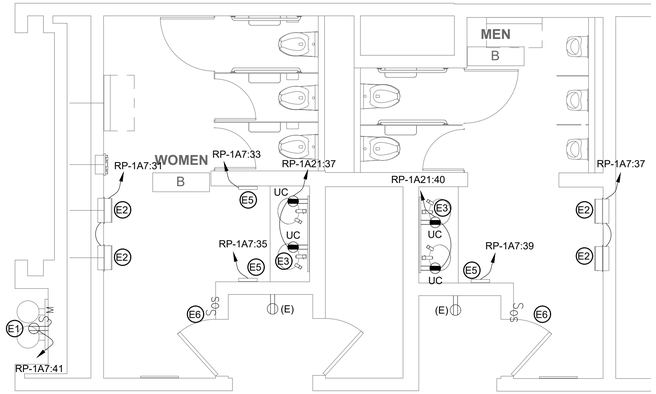
E111

Scale 1/4" = 1'-0"



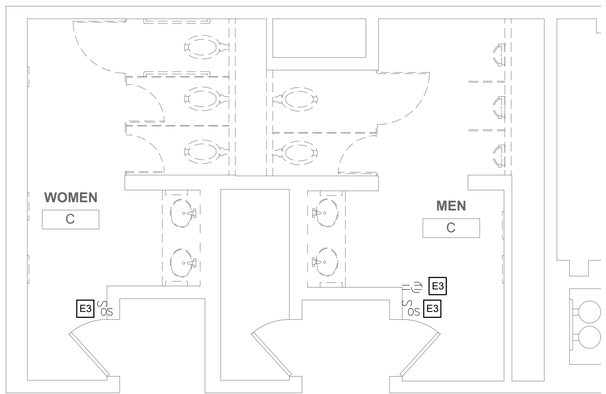
4 E112 FLOOR PLAN - MEN'S & WOMEN'S ROOM C

SCALE: 1/4" = 1'-0"



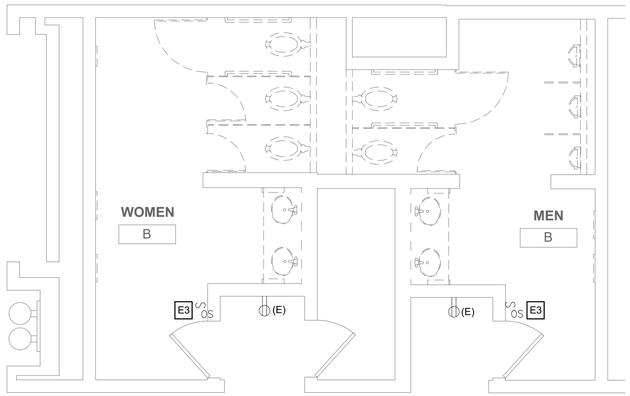
3 E112 FLOOR PLAN - MEN'S & WOMEN'S ROOM B

SCALE: 1/4" = 1'-0"



2 E112 DEMO PLAN - MEN'S & WOMEN'S ROOM C

SCALE: 1/4" = 1'-0"



1 E112 DEMO PLAN - MEN'S & WOMEN'S ROOM B

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

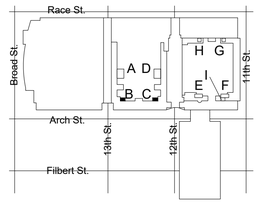
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

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61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOMS B, C (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E112

Scale 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

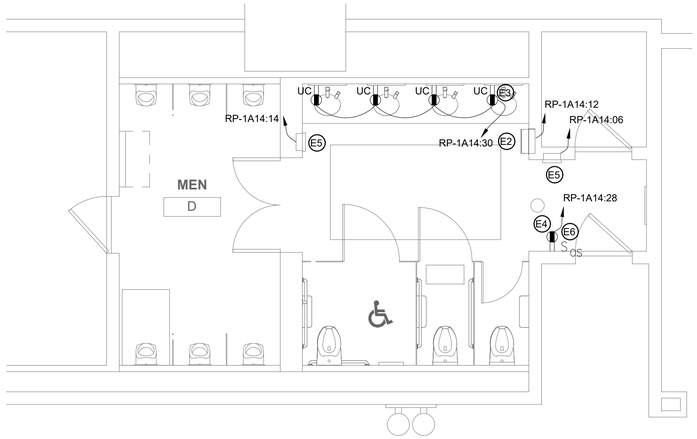
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

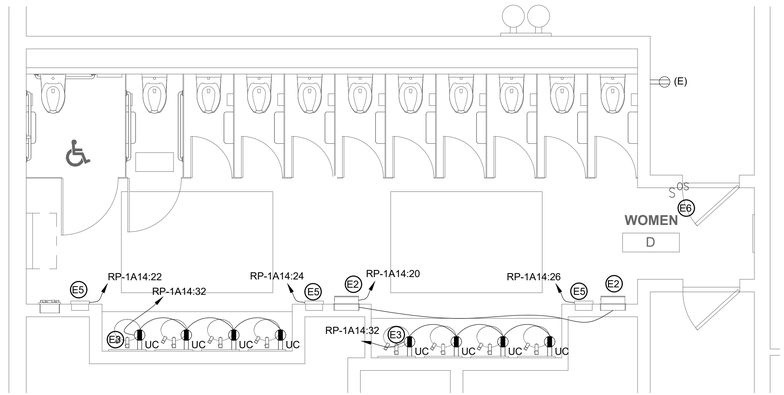
E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

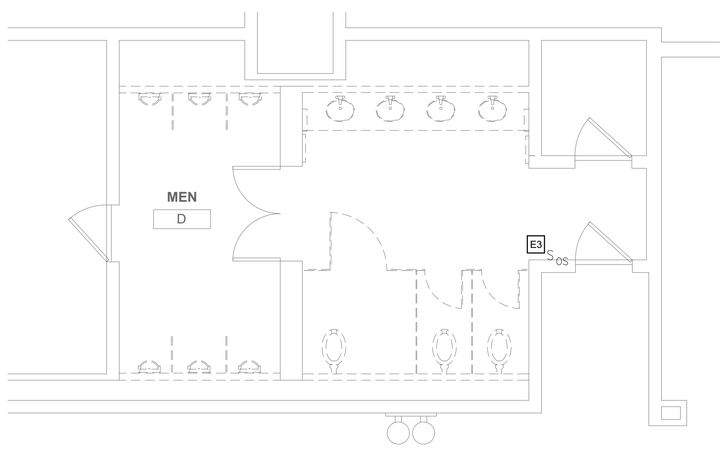
E9 NEW RECEPTACLE AT EXISTING LOCATION.



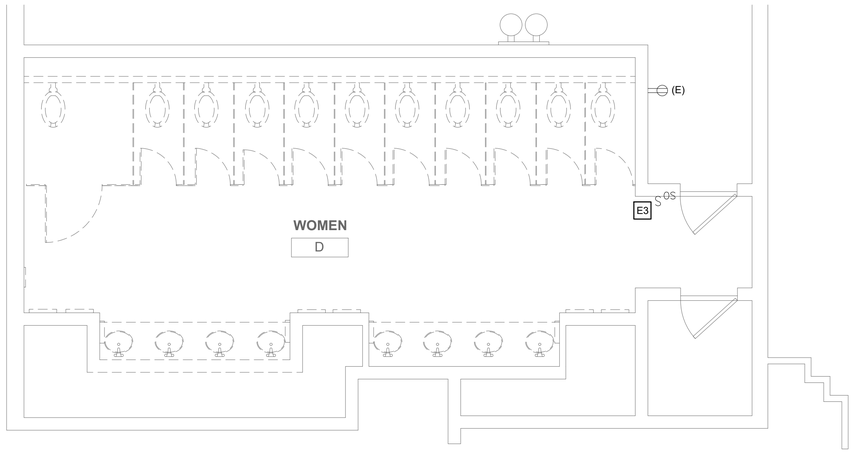
4 E113 **FLOOR PLAN - MEN'S ROOM D**
SCALE: 1/4" = 1'-0"



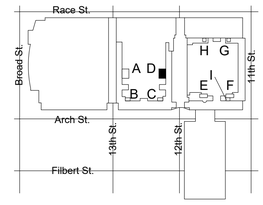
3 E113 **FLOOR PLAN - WOMEN'S ROOM D**
SCALE: 1/4" = 1'-0"



1 E113 **DEMO PLAN - MEN'S ROOM D**
SCALE: 1/4" = 1'-0"



1 E113 **DEMO PLAN - WOMEN'S ROOM D**
SCALE: 1/4" = 1'-0"



KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

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Fax: 215.427.8752
Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

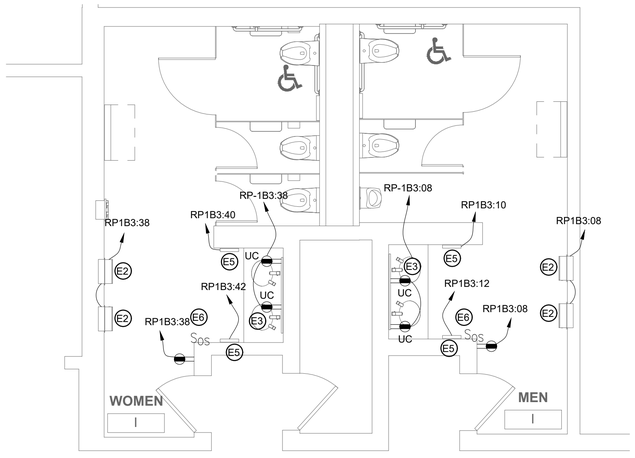
PENNSYLVANIA CONVENTION CENTER
RESTROOM RENOVATIONS
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM D (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

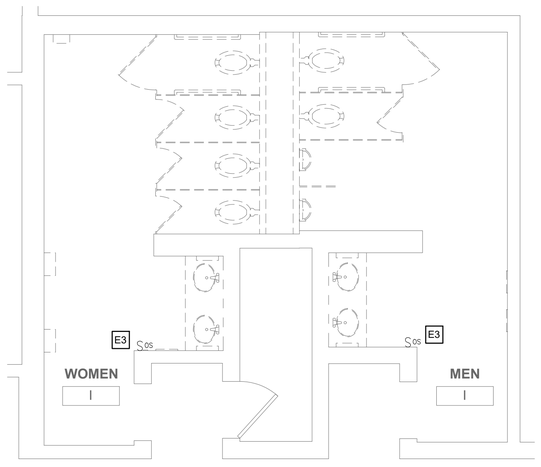
E113

Scale 1/4" = 1'-0"



2 E114 FLOOR PLAN - MEN'S & WOMEN'S ROOM I

SCALE: 1/4" = 1'-0"



1 E114 DEMO PLAN - MEN'S & WOMEN'S ROOM I

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

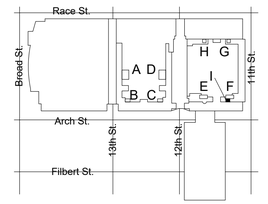
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

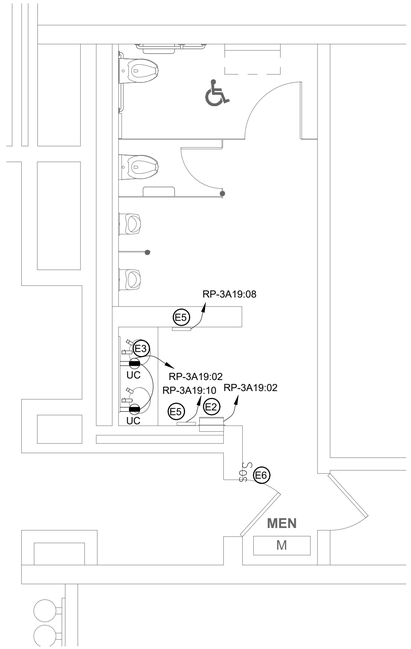
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM I (SEMINAR)

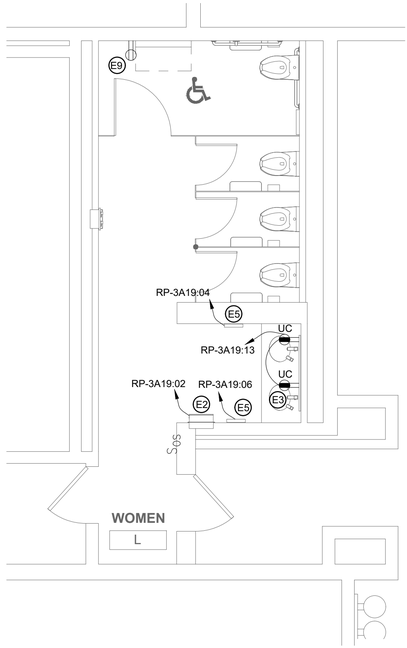
Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E114

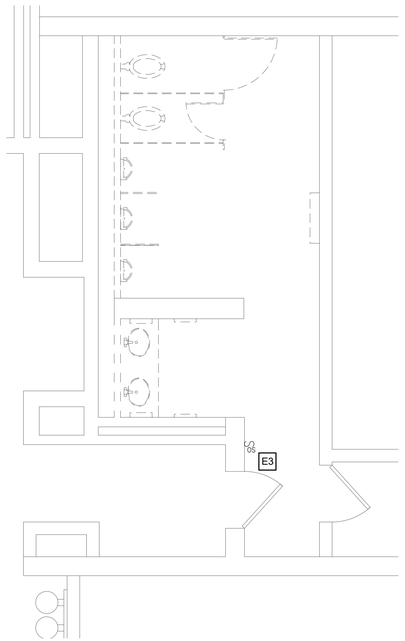
Scale 1/4" = 1'-0"



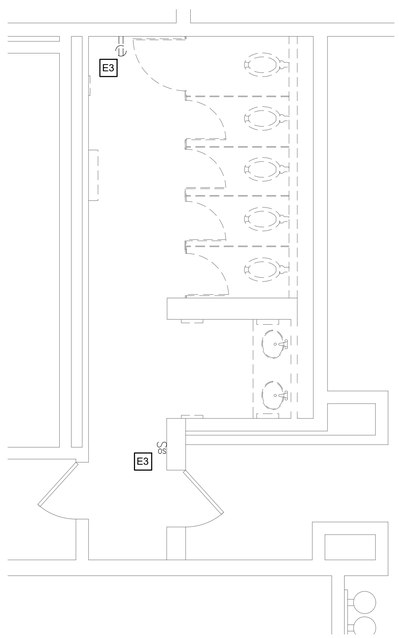
4 FLOOR PLAN - MEN'S ROOM M
E115 SCALE: 1/4" = 1'-0"



3 FLOOR PLAN - WOMEN'S ROOM L
E115 SCALE: 1/4" = 1'-0"



2 DEMO PLAN - MEN'S ROOM M
E115 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - WOMEN'S ROOM L
E115 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
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8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

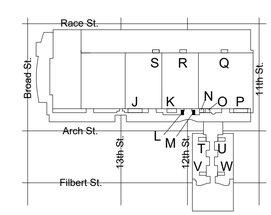
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

Arora Engineers, Inc.
61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
P (610) 459-7900 | F (610) 459-7950 | aroraengineers.com

Contact: Kevin Sultanik
e-mail: ksultanik@aroraengineers.com

STRUCTURAL ENGINEERS:
CSA GROUP
1341 NORTH DELAWARE AVENUE, SUITE 507
PHILADELPHIA, PA 19125

Ph: 215.427.8700
Fax: 215.427.8752

Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

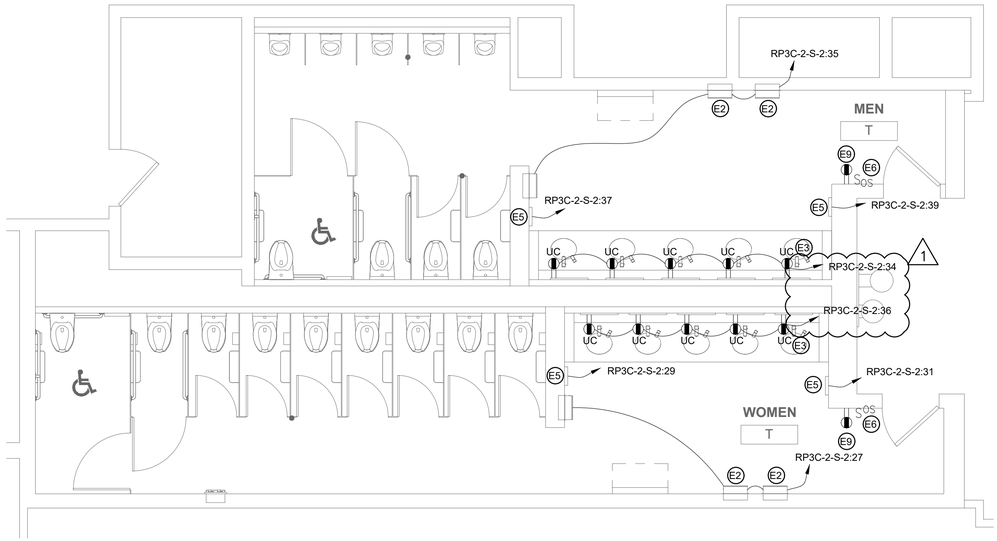
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOMS L, M (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

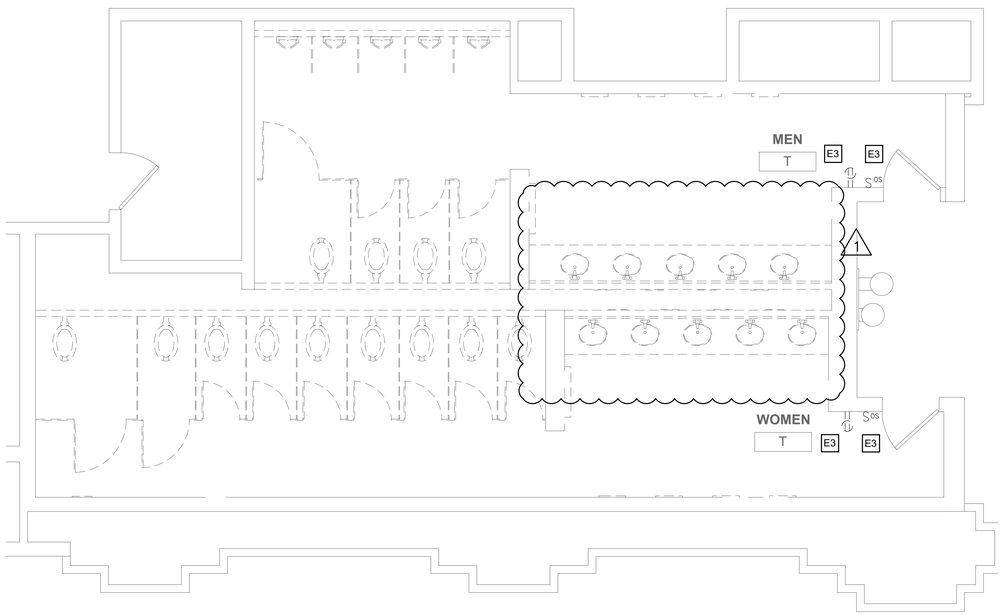
E115

Scale 1/4" = 1'-0"



2 / E116 FLOOR PLAN - MEN'S & WOMEN'S ROOM T

SCALE: 1/4" = 1'-0"



1 / E116 DEMO PLAN - MEN'S & WOMEN'S ROOM T

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 NOT USED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 NOT USED.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS. PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

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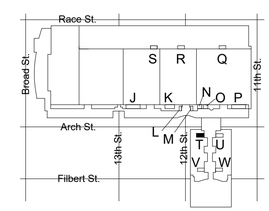
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:
ARORA
Arora Engineers, Inc.
61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
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Ph: 215.427.8700
Fax: 215.427.8752
Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
RYAN M. ROGALA
ENGINEER
PE067027

REVISIONS:

No.	Description	Date
1	ELEC UPDATE	11/08/19

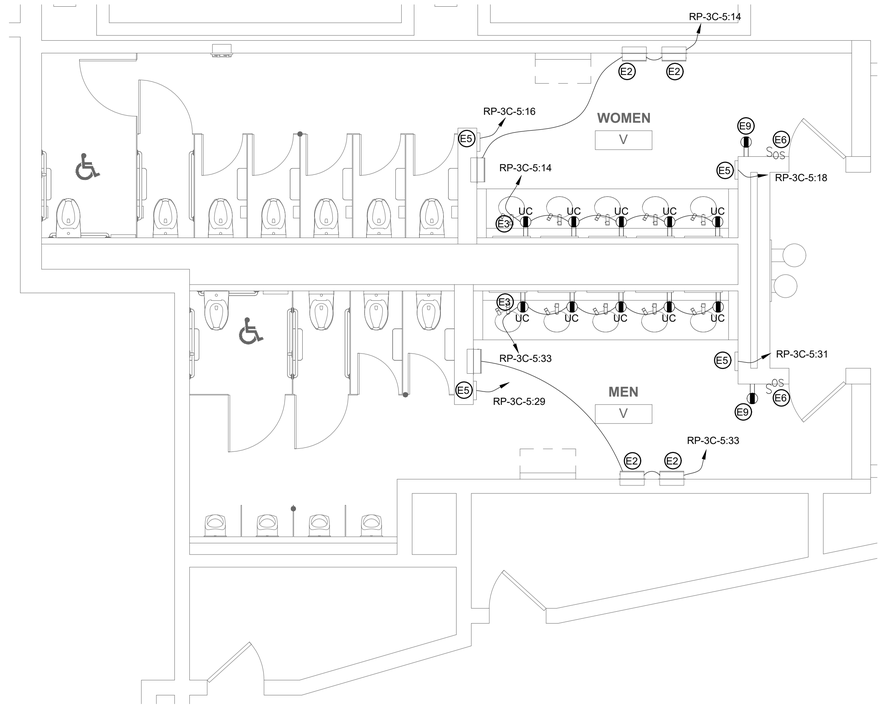
PENNSYLVANIA CONVENTION CENTER
RESTROOM RENOVATIONS
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM T (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

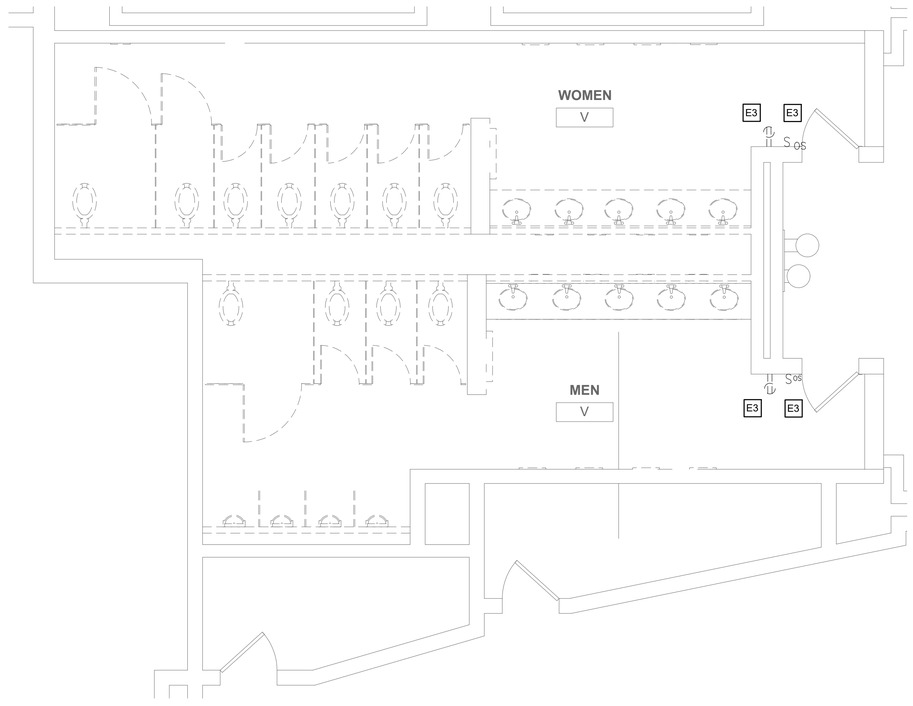
E116

Scale 1/4" = 1'-0"



1 / E118 FLOOR PLAN - MEN'S & WOMEN'S ROOM V

SCALE: 1/4" = 1'-0"



1 / E118 DEMO PLAN - MEN'S & WOMEN'S ROOM V

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

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E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

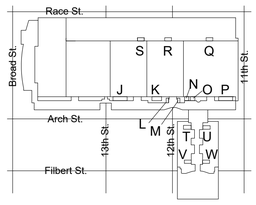
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 200 NTS

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

ARORA

Arora Engineers, Inc.
61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
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PHILADELPHIA, PA 19125

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Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

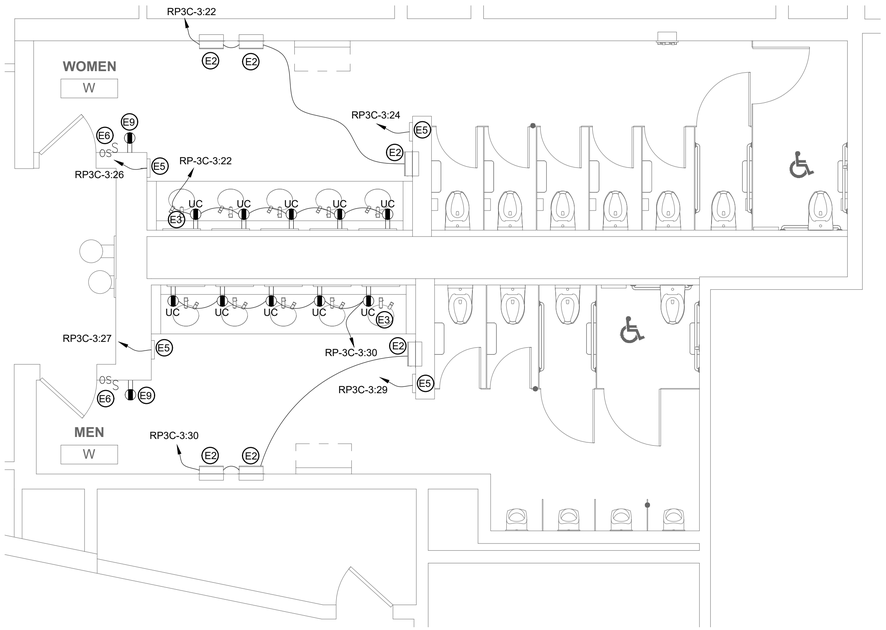
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM V (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

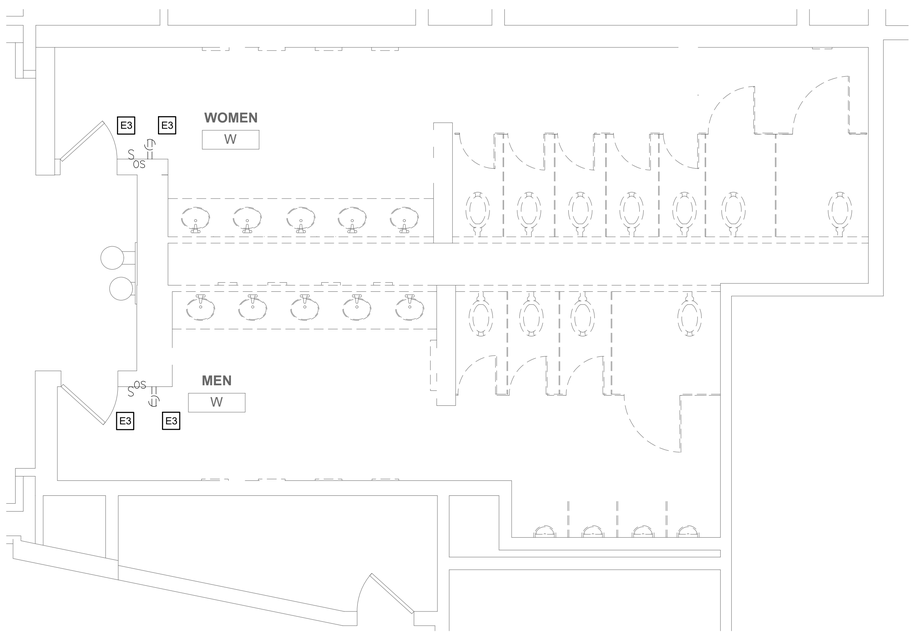
E118

Scale 1/4" = 1'-0"



2 E119 FLOOR PLAN - MEN'S & WOMEN'S ROOM W

SCALE: 1/4" = 1'-0"



1 E119 DEMO PLAN - MEN'S & WOMEN'S ROOM W

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

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NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

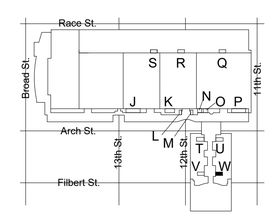
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

Arora Engineers, Inc.
61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
P (610) 459-7900 | F (610) 459-7950 | aroraengineers.com

Contact: Kevin Sultanik
e-mail: ksultanik@aroraengineers.com

STRUCTURAL ENGINEERS:
CSA GROUP
1341 NORTH DELAWARE AVENUE, SUITE 507
PHILADELPHIA, PA 19125

Ph: 215.427.8700
Fax: 215.427.8752

Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

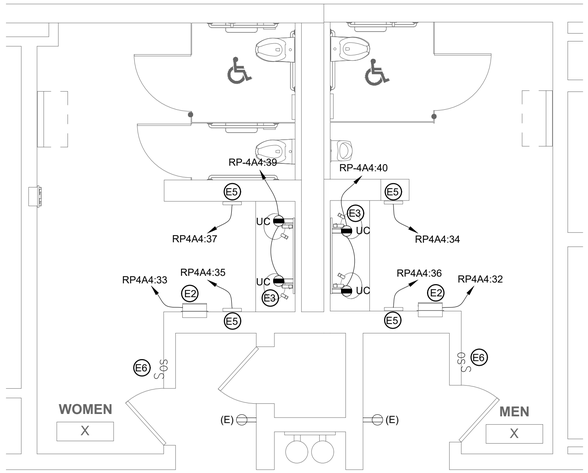
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM W (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

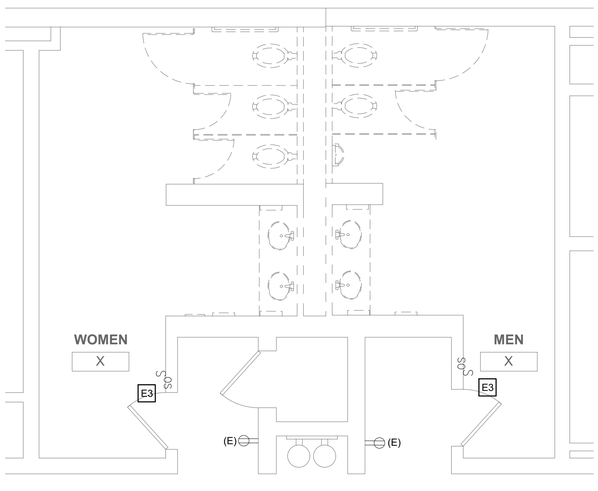
E119

Scale 1/4" = 1'-0"



2 E120 FLOOR PLAN - MEN'S & WOMEN'S ROOM X

SCALE: 1/4" = 1'-0"



1 E120 DEMO PLAN - MEN'S & WOMEN'S ROOM X

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

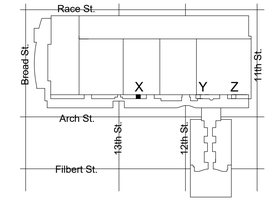
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 300 NTS

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

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61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
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Contact: Kevin Sultanik
e-mail: ksultanik@aroraengineers.com

STRUCTURAL ENGINEERS:
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1341 NORTH DELAWARE AVENUE, SUITE 507
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Ph: 215.427.8700
Fax: 215.427.8752

Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

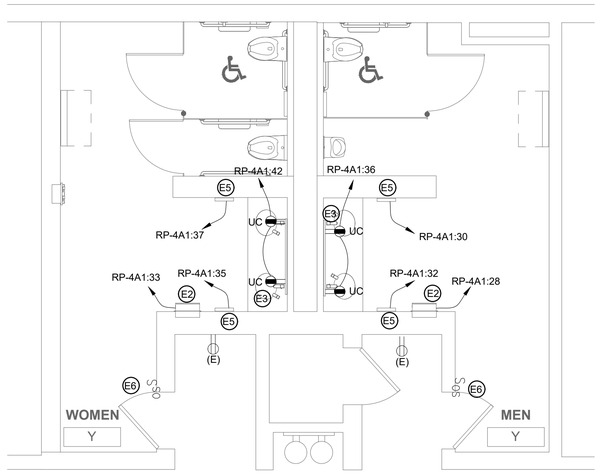
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM X (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

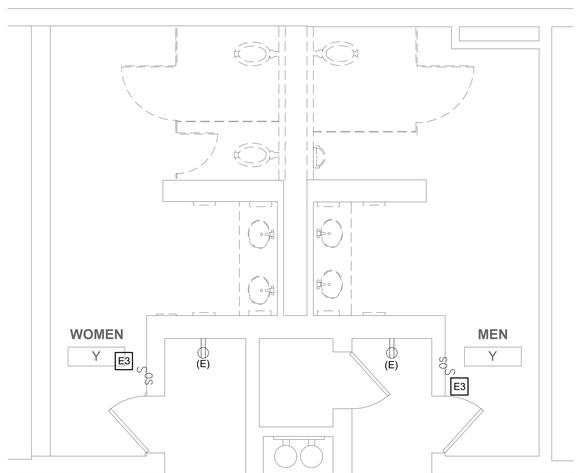
E120

Scale 1/4" = 1'-0"



2 FLOOR PLAN - MEN'S & WOMEN'S ROOM Y

E121 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - MEN'S & WOMEN'S ROOM Y

E121 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

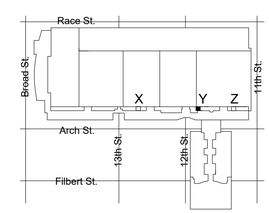
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 300 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:
ARORA
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CSA GROUP
1341 NORTH DELAWARE AVENUE, SUITE 507
PHILADELPHIA, PA 19125
Ph: 215.427.8700
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e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE087027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

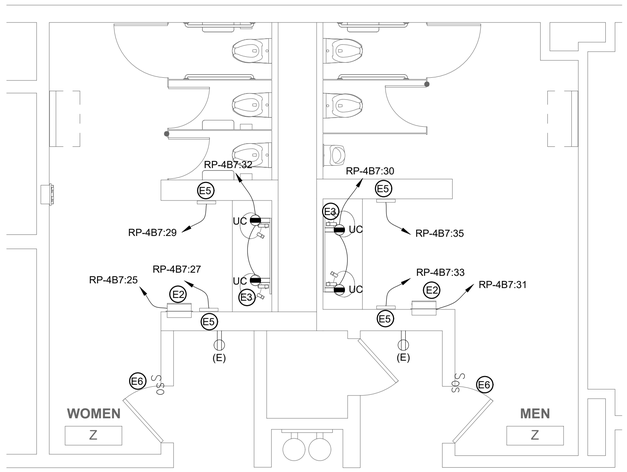
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM Y (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

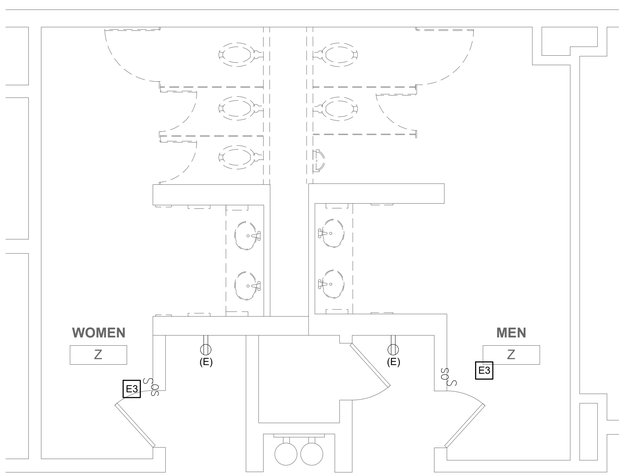
E121

Scale 1/4" = 1'-0"



2 FLOOR PLAN - MEN'S & WOMEN'S ROOM Z

E122 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - MEN'S & WOMEN'S ROOM Z

E122 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
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10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

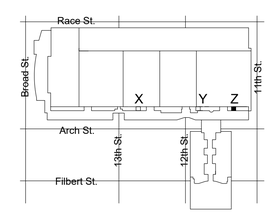
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - LEVEL 300 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE087027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

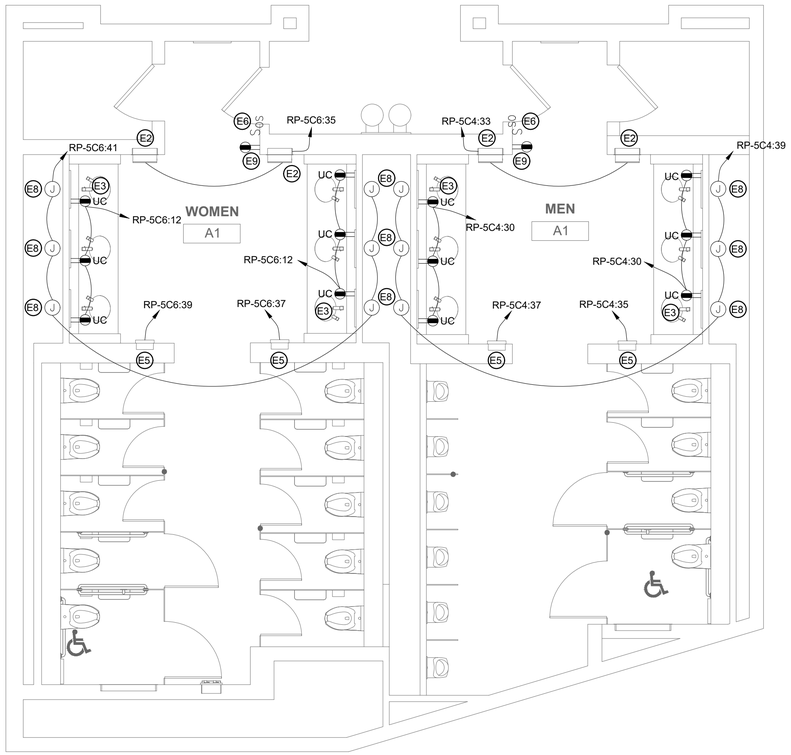
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM Z (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

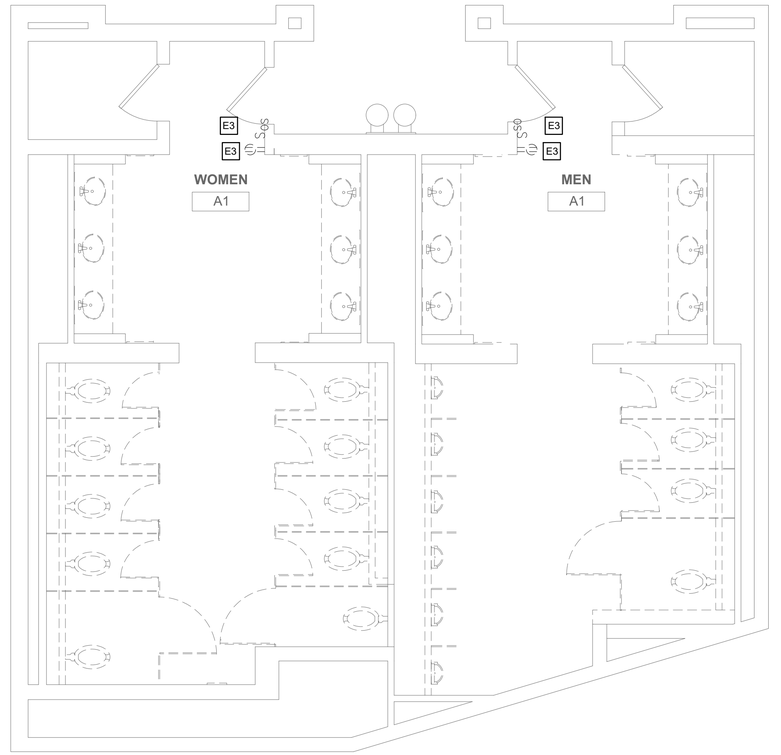
E122

Scale 1/4" = 1'-0"



2 FLOOR PLAN - MEN'S & WOMEN'S ROOM A1

E123 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - MEN'S & WOMEN'S ROOM A1

E123 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

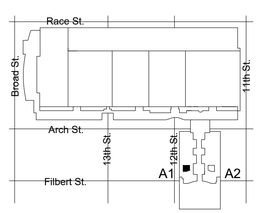
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - BALLROOM LEVEL NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

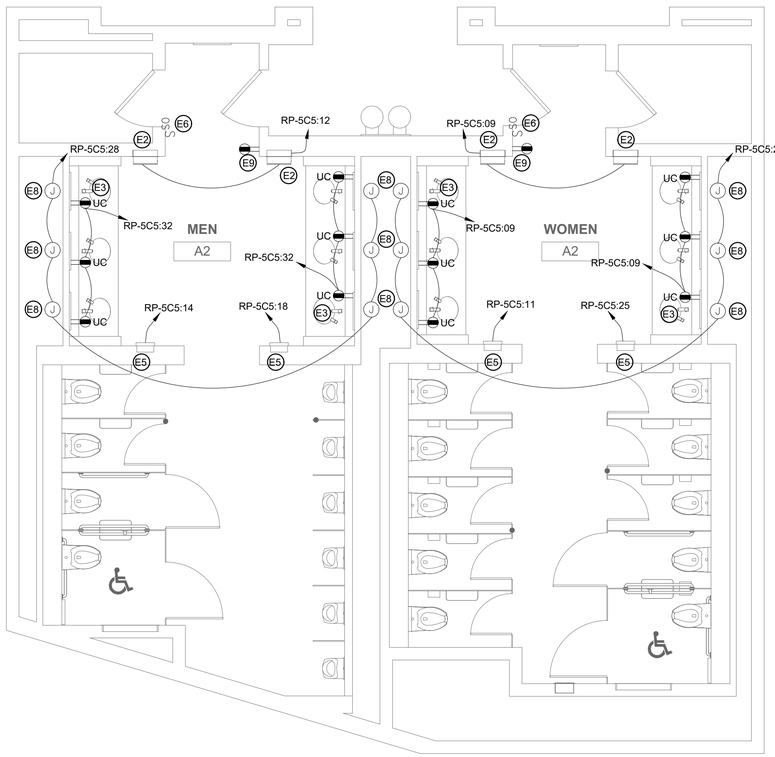
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM A1 (BALLROOM)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

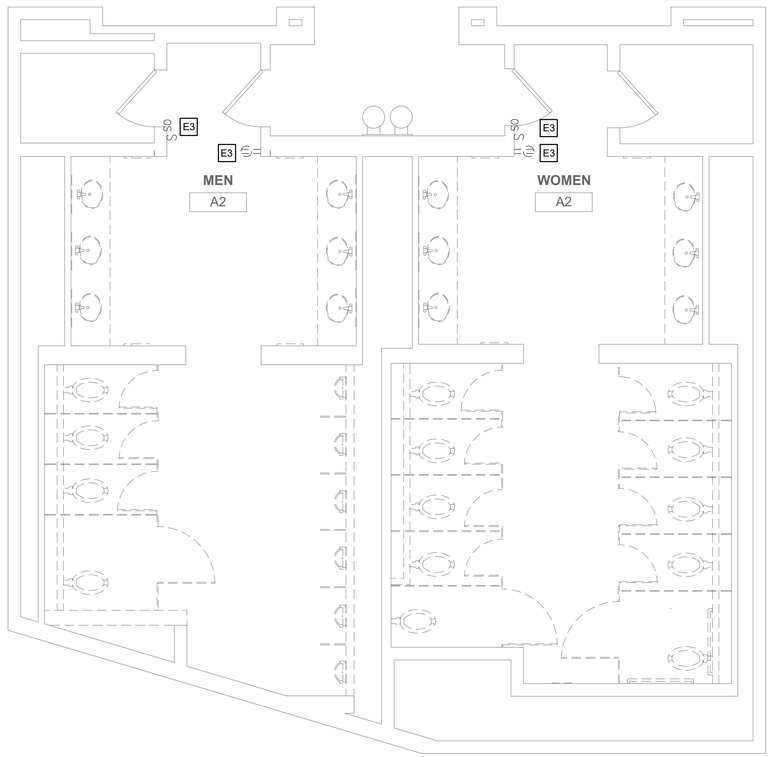
E123

Scale 1/4" = 1'-0"



2 FLOOR PLAN - MEN'S & WOMEN'S ROOM A2

E124 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - MEN'S & WOMEN'S ROOM A2

E124 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 NOT USED.

E2 EC SHALL DEMOLISH EXISTING RECEPTACLE/LIGHT SWITCH, BACK BOX, CONDUIT AND WIRE. CAP WIRES ABOVE CEILING FOR SPLICING AND EXTENSION TO NEW LOCATION PER NEW WORK KEYED NOTE E4.

E3 EC SHALL DISCONNECT AND REMOVE THE EXISTING RECEPTACLE/OCCUPANCY SENSOR SWITCH. PRESERVE THE EXISTING CONDUCTORS FOR RECONNECTION TO NEW RECEPTACLE/SWITCHING CONTROLS.

E4 EC SHALL DISCONNECT THE POWER SUPPLY TO THE EXISTING WATER COOLERS TO BE REMOVED. PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX, CUT, REMOVE AND CAP REMAINING CONDUCTORS. MAINTAIN CONTINUITY TO OTHER LOADS ON SAME CIRCUIT. CUT THE CONDUIT AT THE WATER COOLER LOCATION TO BE FLUSH WITH WALL AND CAP THE END. COORDINATE WORK WITH OTHER DISCIPLINES AS REQUIRED.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE THE E800 SERIES DRAWINGS FOR PANEL SCHEDULES AND CIRCUITING.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
4. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
5. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
6. EC TO COORDINATE ALL HVAC AND PLUMBING EQUIPMENT LOCATIONS IN FIELD PRIOR TO CIRCUIT INSTALLATION.
7. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
8. EC SHALL ENSURE THAT ANY EXPOSED CONDUIT INSTALLED IN FINISHED SPACES FROM THE ELECTRICAL PANEL TO THE RESTROOM IS PAINTED WITH ONE COAT PRIMER AND TWO COATS OF PAINT TO MATCH THE EXISTING SURFACE FINISH. THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE RESTROOM AREAS.
9. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
10. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.
11. ALL NEW RECEPTACLE LOCATION MOUNTING HEIGHTS TO MATCH EXISTING IN SAME ROOM.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL CONDUCTORS, RACEWAY, AND DOUBLE GANG BOX WITH (1) NEMA 5-20R DUPLEX RECEPTACLE TO POWER THE CORD AND PLUG CONNECTED ELECTRIC WATER COOLER HYDROBOOST SYSTEM AND (1) 20A MOTOR RATED TOGGLE SWITCH FOR HARDWIRE CONNECTION TO THE COOLING UNIT. FURNISH AND INSTALL (2)#12 AWG CU & (1) #12 CU GND, MC CABLE AND PROVIDE POWER FROM THE MOTOR RATED TOGGLE SWITCH TO THE ELECTRIC WATER COOLER COOLING UNIT. MOUNT RECEPTACLE AND TOGGLE SWITCH WITHIN SPACE BEHIND ELECTRIC WATER COOLER ACCESS PANEL COVER. COORDINATE WORK WITH ELECTRIC WATER COOLER INSTALLER.

E2 EC SHALL FURNISH AND INSTALL CONDUCTORS AND RACEWAY TO THE NEW AUTOMATIC PAPER TOWEL EQUIPMENT. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS TO MULTIPLE AUTOMATIC PAPER TOWEL DEVICES. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH PAPER TOWEL EQUIPMENT INSTALLER.

E3 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLES UNDERNEATH THE SINK COUNTERTOP TO SUPPLY POWER TO NEW AUTOMATIC FAUCET, LED SINK LIGHTING, AND SOAP DISPENSERS.PROVIDE POWER FROM THE NEW 120V CIRCUIT SHOWN AND EXTEND CIRCUIT TO FEED THE ADDITIONAL RECEPTACLES FOR EACH SINK. MINIMUM WIRE SIZE SHALL BE #12 AWG CU. COORDINATE WORK WITH INSTALLATION OF SINK EQUIPMENT.

E4 EC SHALL FURNISH AND INSTALL RECEPTACLE AT THE LOCATION SHOWN. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED.

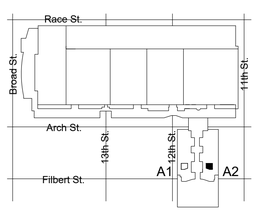
E5 EC SHALL FURNISH AND INSTALL NEW CONDUCTOR AND RACEWAY TO THE NEW WALL MOUNTED HAND DRYER EQUIPMENT.

E6 EC SHALL FURNISH AND INSTALL NEW 24V OCCUPANCY SENSOR WALL SWITCH AND 20A, 120/277V POWER PACK TO COORDINATE WITH CEILING MOUNTED LIGHTING CONTROLS. PROVIDE SPLICES AND NEW WIRING TO EXTEND CIRCUIT AS REQUIRED TO THE POWER PACK. REFER TO DETAIL 3/E701 FOR LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

E7 EC SHALL FURNISH AND INSTALL GFCI RECEPTACLE AND NEW WIRING AND MAKE CONNECTIONS TO EXISTING RECEPTACLE IN ADJACENT ROOM.

E8 EC SHALL FURNISH AND INSTALL NEW WIRING AND CONDUIT TO EDGELIT MIRRORS. COORDINATE 120V POWER SUPPLY WITH 120V POWER PACK AND CEILING LIGHTING CONTROLS AS SHOWN IN DETAIL 4/E701.

E9 NEW RECEPTACLE AT EXISTING LOCATION.



KEY PLAN - BALLROOM LEVEL NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

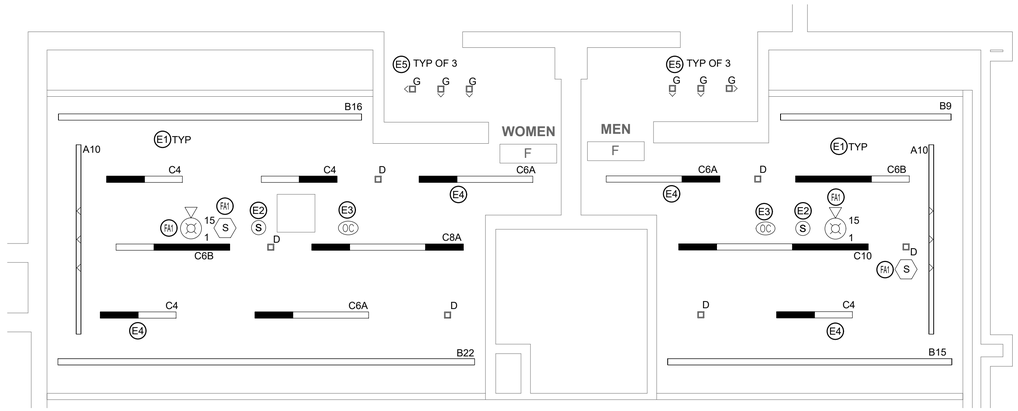
1101 ARCH STREET, PHILADELPHIA, PA 19107

DEMOLITION & NEW FLOOR PLANS - ROOM A2 (BALLROOM)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

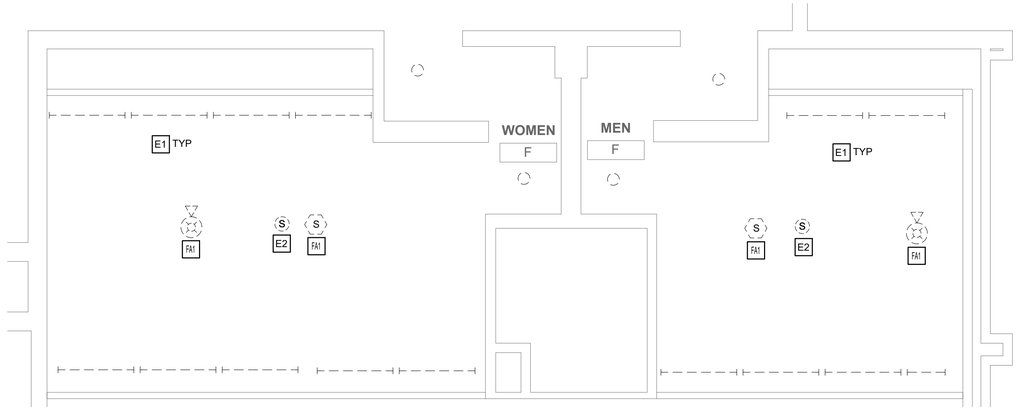
E124

Scale 1/4" = 1'-0"



2 E602 REFLECTED CEILING PLAN PLAN - MEN'S & WOMEN'S ROOM F

SCALE: 1/4" = 1'-0"



1 E602 DEMO PLAN - MEN'S & WOMEN'S ROOM F

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA! EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

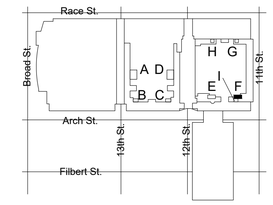
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE(S) TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA! EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

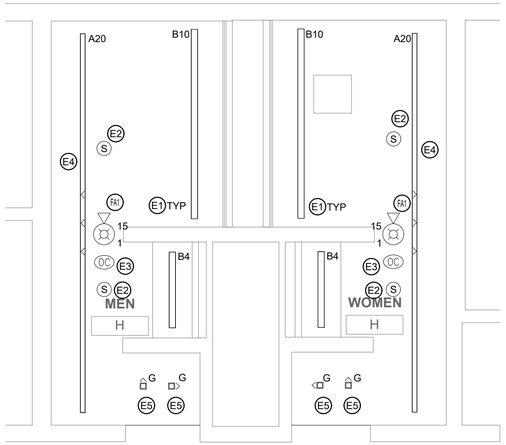
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM F (EXHIBIT)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

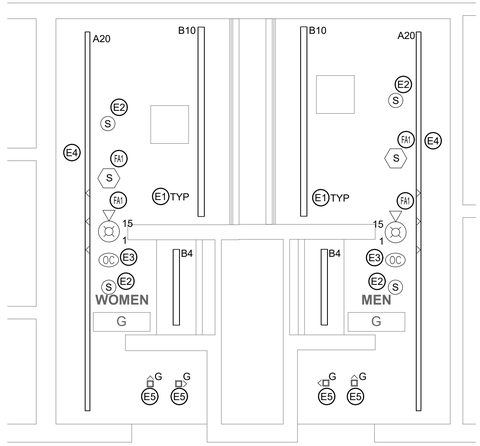
E602

Scale 1/4" = 1'-0"



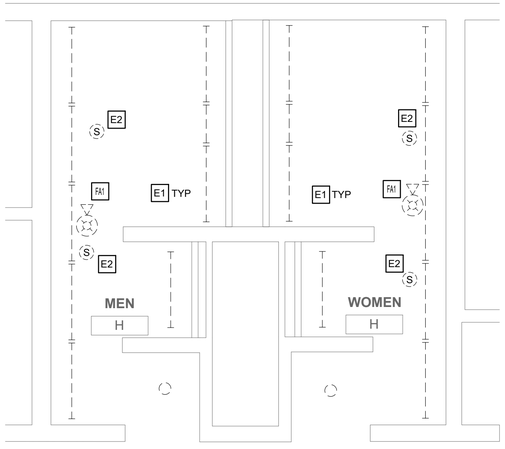
4 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM H

E603 SCALE: 1/4" = 1'-0"



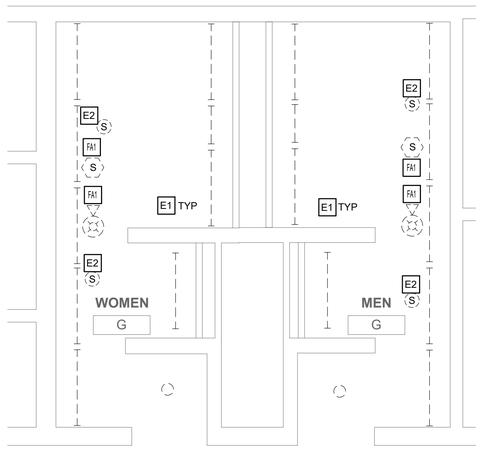
3 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM G

E603 SCALE: 1/4" = 1'-0"



2 DEMO PLAN - MEN'S & WOMEN'S ROOM H

E603 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - MEN'S & WOMEN'S ROOM G

E603 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

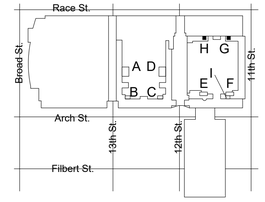
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE(S) TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA1 EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RYAN M. ROGALA ENGINEER PE067027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLANS- ROOMS G, H (EXHIBIT)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E603

Scale 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

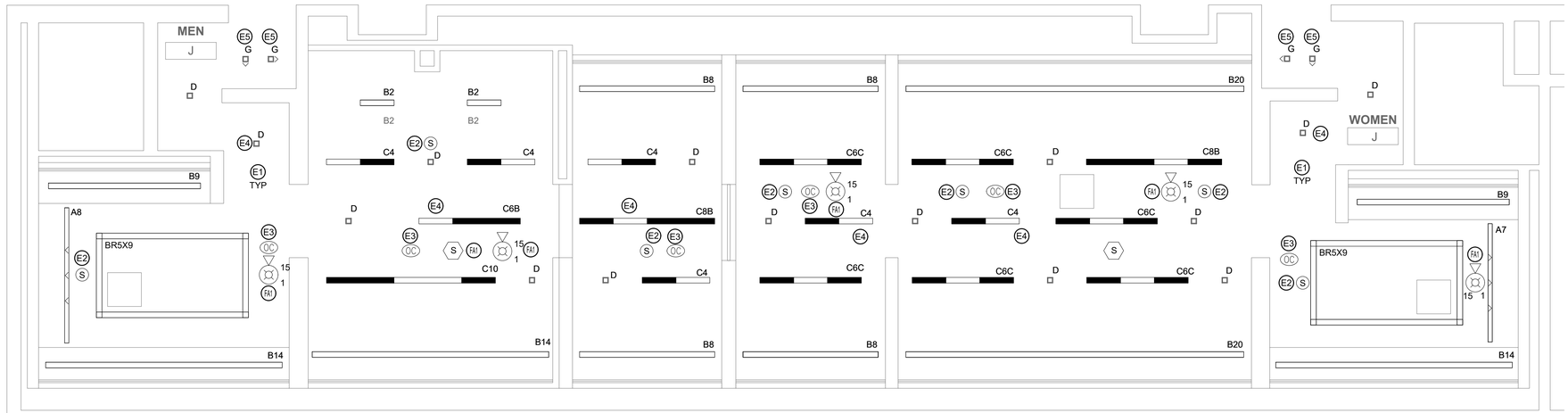
1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

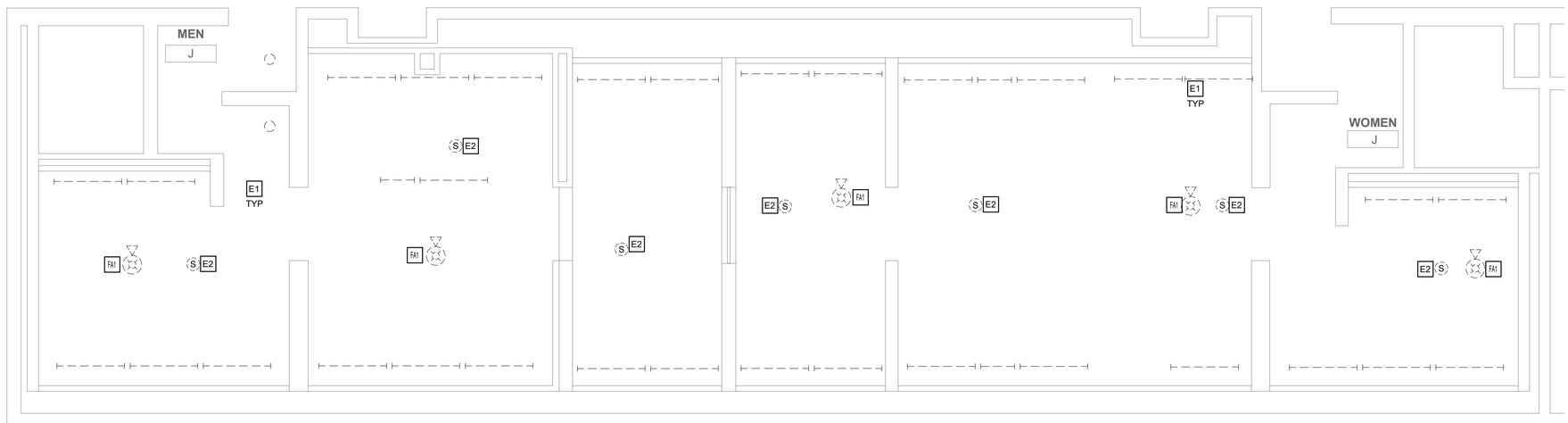
E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA! EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.



2 E604 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM J

SCALE: 1/4" = 1'-0"



1 E604 DEMO PLAN - MEN'S & WOMEN'S ROOM J

SCALE: 1/4" = 1'-0"

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

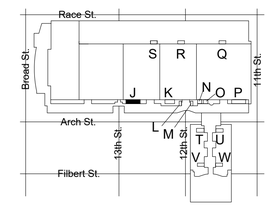
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA! EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
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BALA CYNWYD, PA 19144

MEP ENGINEERS:

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional Engineer
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM J (EXHIBIT)

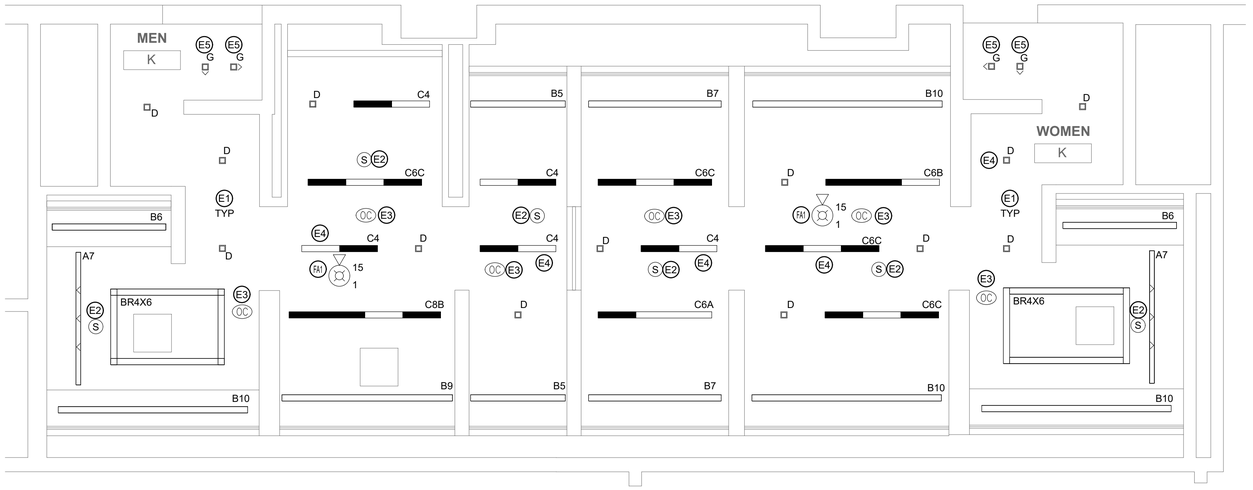
Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E604

Scale 1/4" = 1'-0"

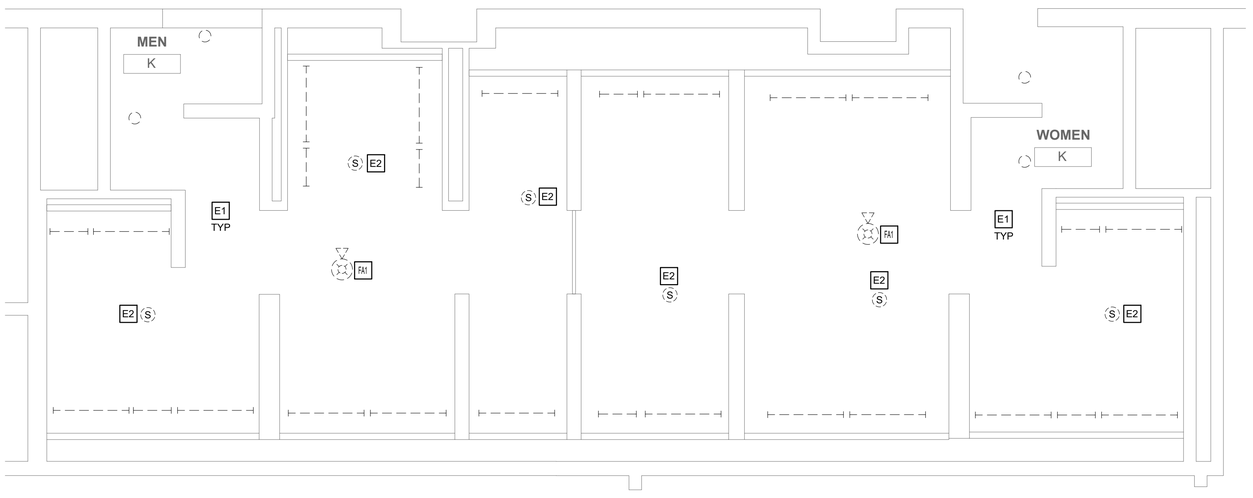
GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.



2 E605 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM K

SCALE: 1/4" = 1'-0"



1 E605 DEMO PLAN - MEN'S & WOMEN'S ROOM K

SCALE: 1/4" = 1'-0"

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

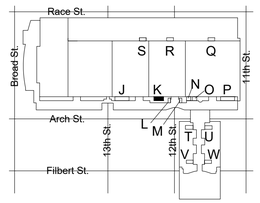
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA1 EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 200 NTS

0 2" 4" 8"

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

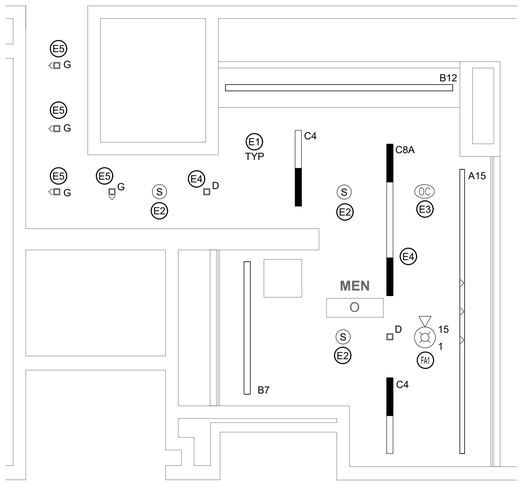
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM K (EXHIBIT)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

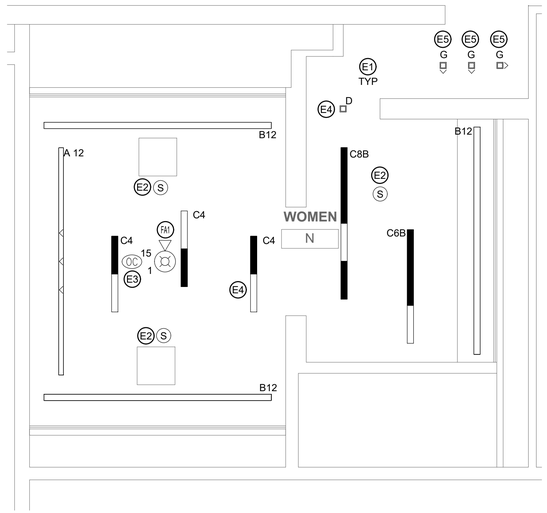
E605

Scale 1/4" = 1'-0"



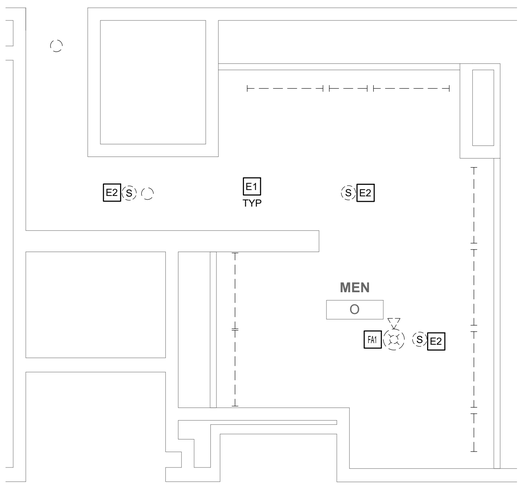
4 REFLECTED CEILING PLAN - MEN'S ROOM O

E606 SCALE: 1/4" = 1'-0"



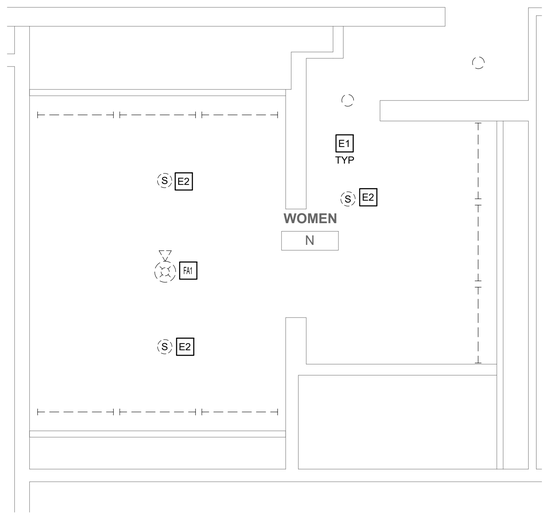
3 REFLECTED CEILING PLAN - WOMEN'S ROOM N

E606 SCALE: 1/4" = 1'-0"



2 DEMO PLAN - MEN'S ROOM O

E606 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - WOMEN'S ROOM N

E606 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FAI EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

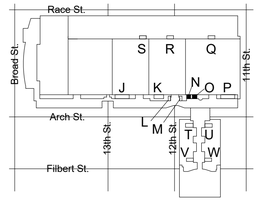
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FAI EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
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e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOMS N, O (EXHIBIT)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E606

Scale 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

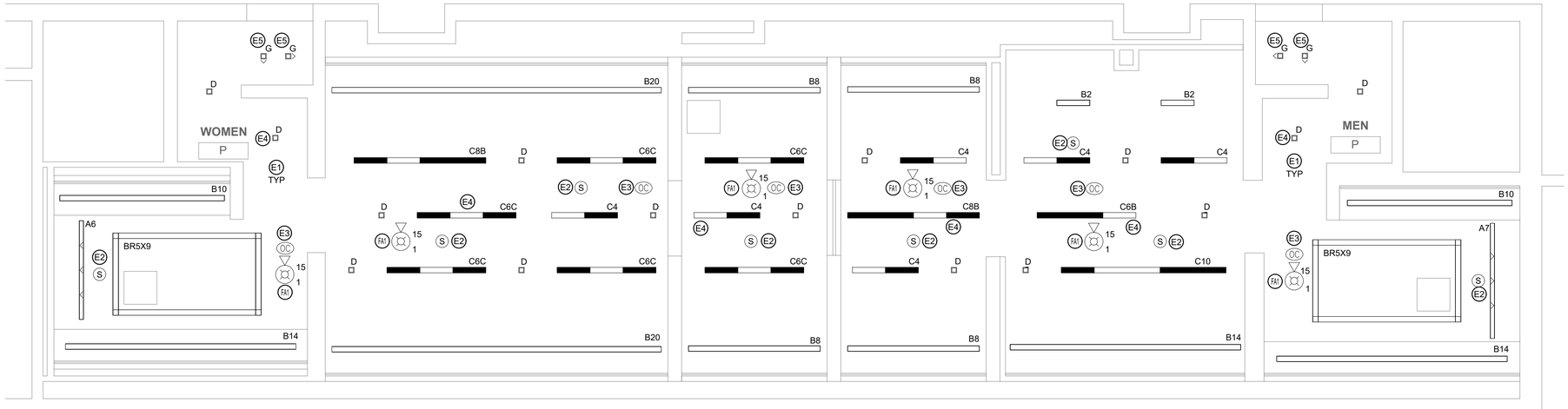
1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

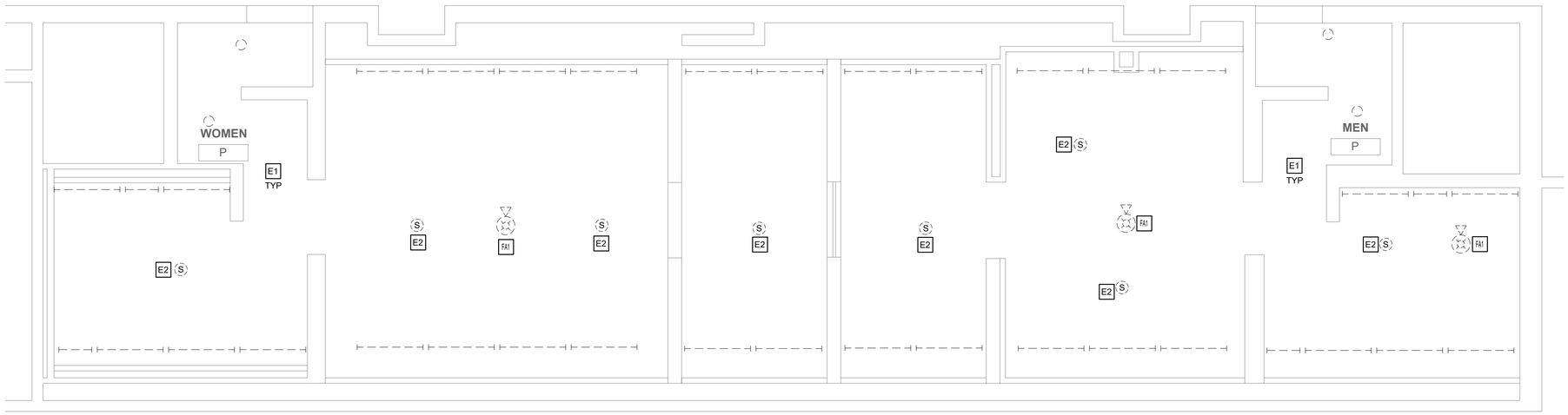
E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.



1 E607 **REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM P**
SCALE: 1/4" = 1'-0"



1 E607 **DEMO PLAN - MEN'S & WOMEN'S ROOM P**
SCALE: 1/4" = 1'-0"

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

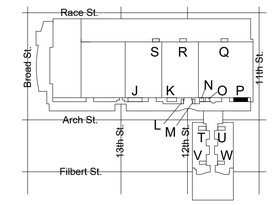
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA1 EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

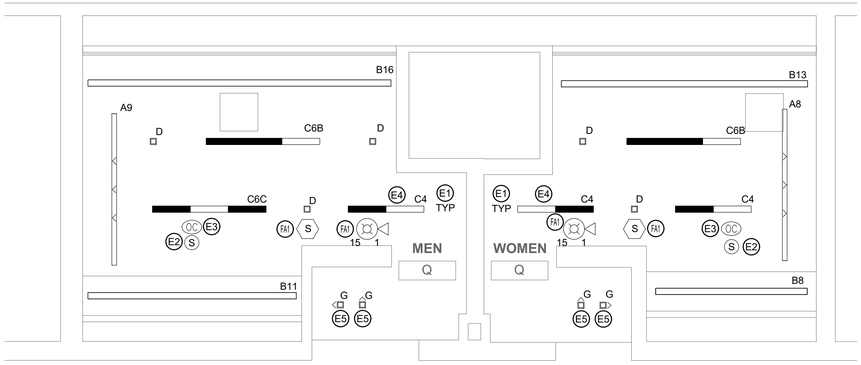
PENNSYLVANIA CONVENTION CENTER
RESTROOM RENOVATIONS
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM P (EXHIBIT)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

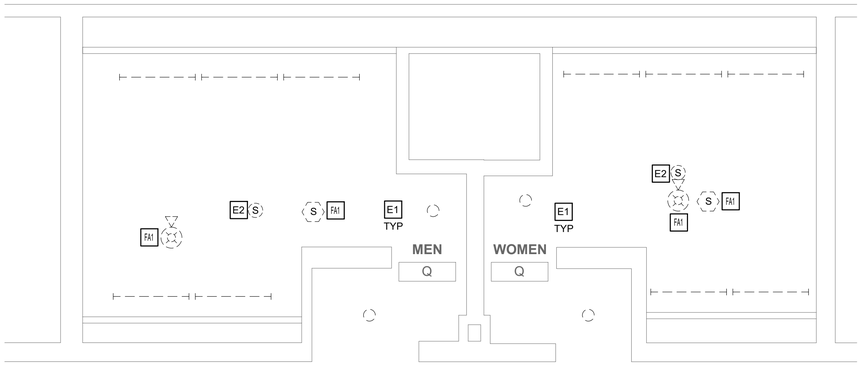
E607

Scale 1/4" = 1'-0"



2 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM Q

E608 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - MEN'S & WOMEN'S ROOM Q

E608 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA! EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
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6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

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E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

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E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

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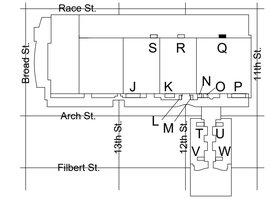
FA! EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RYAN M. ROGALA ENGINEER PE067027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

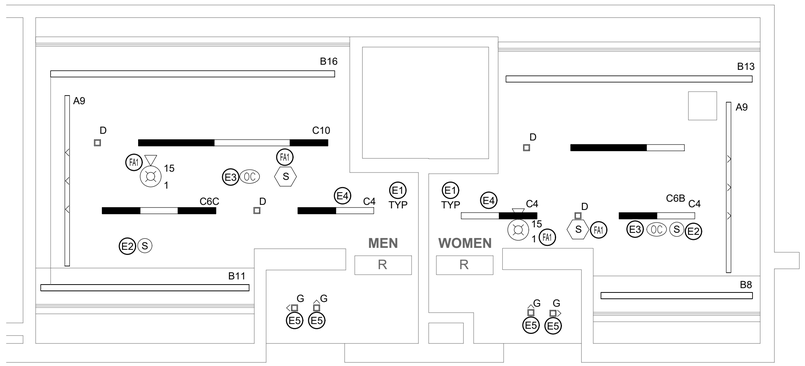
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM Q (EXHIBIT)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

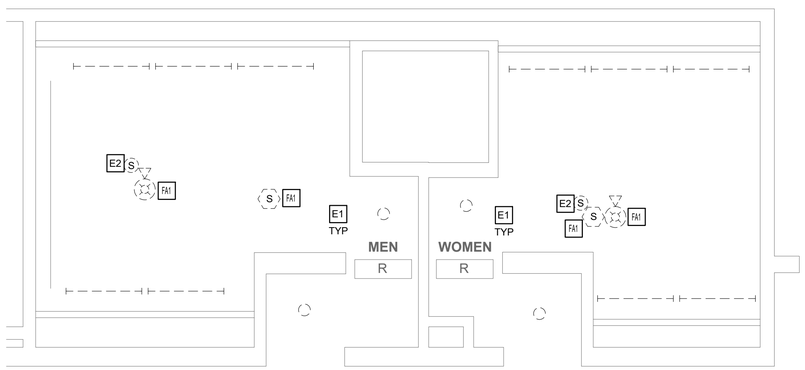
E608

Scale 1/4" = 1'-0"



2 E609 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM R

SCALE: 1/4" = 1'-0"



1 E609 DEMO PLAN - MEN'S & WOMEN'S ROOM R

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

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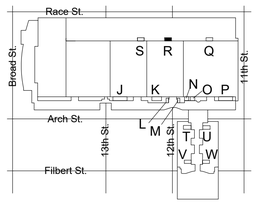

KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
RYAN M. ROGALA
ENGINEER
PE067027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

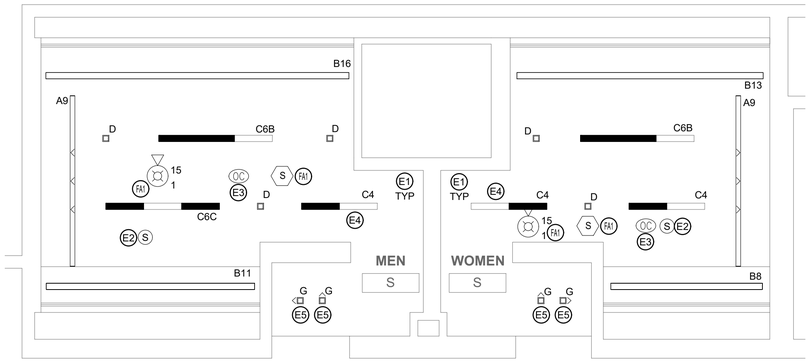
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM R (EXHIBIT)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

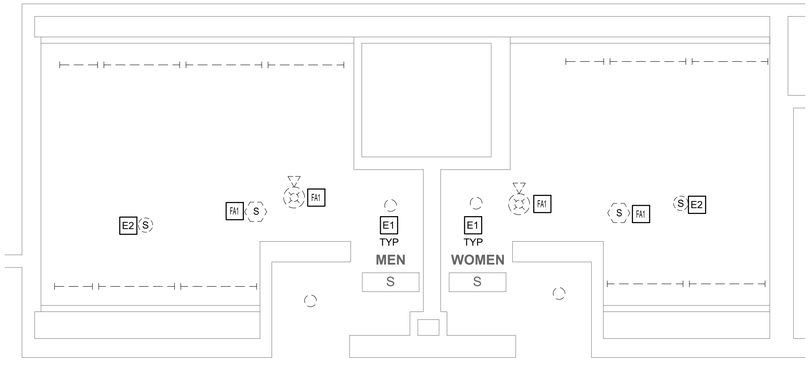
E609

Scale 1/4" = 1'-0"



2 E610 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM S

SCALE: 1/4" = 1'-0"



1 E610 DEMO PLAN - MEN'S & WOMEN'S ROOM S

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
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5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

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GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
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6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
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7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

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E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

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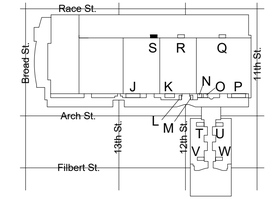

KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

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COMMONWEALTH OF PENNSYLVANIA
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RYAN M. ROGALA
ENGINEER
PE067027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

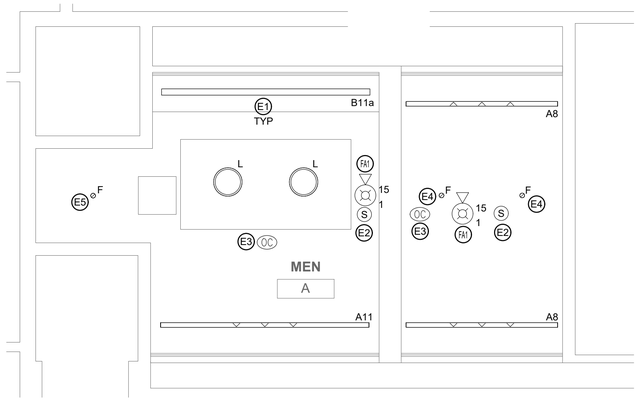
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM S (EXHIBIT)

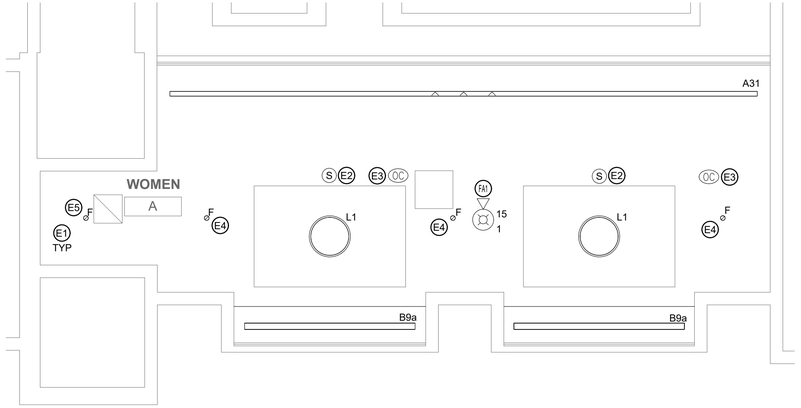
Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E610

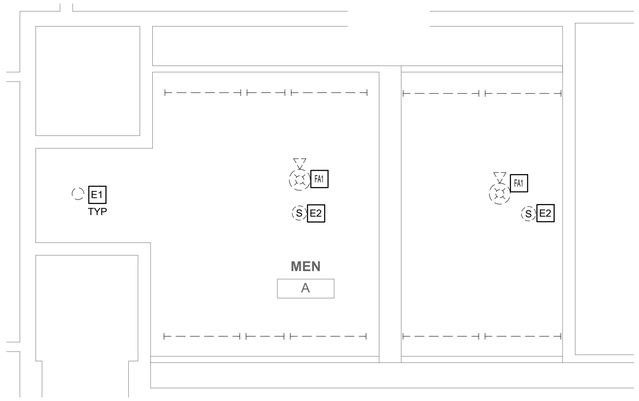
Scale 1/4" = 1'-0"



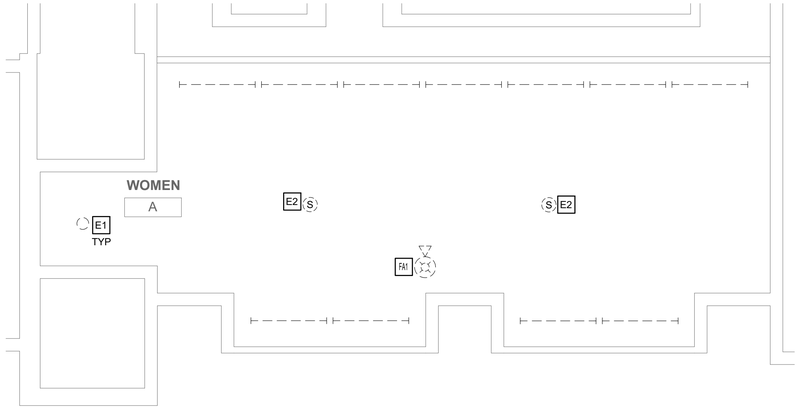
4 REFLECTED CEILING PLAN - MEN'S ROOM A
E611 SCALE: 1/4" = 1'-0"



3 REFLECTED CEILING PLAN - WOMEN'S ROOM A
E611 SCALE: 1/4" = 1'-0"



2 DEMO PLAN - MEN'S ROOM A
E611 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - WOMEN'S ROOM A
E611 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

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7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

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E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE(S) TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

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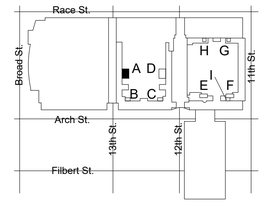

KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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Contact: Kevin Sultanik
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e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

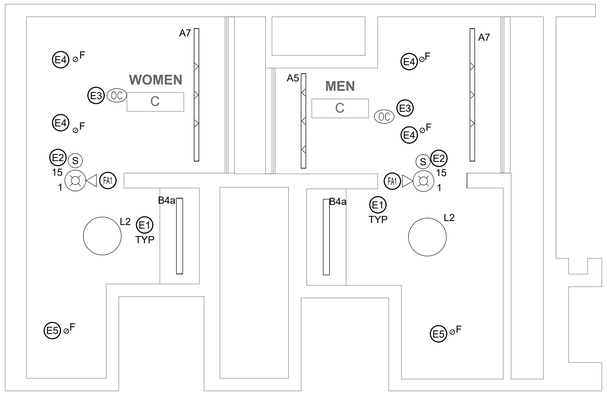
PENNSYLVANIA CONVENTION CENTER
RESTROOM RENOVATIONS
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM A (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

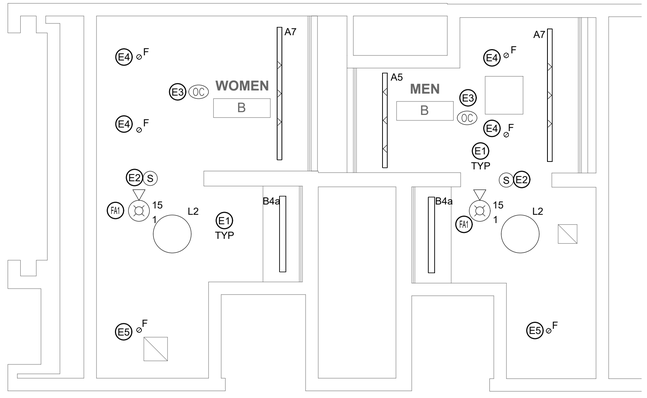
E611

Scale 1/4" = 1'-0"



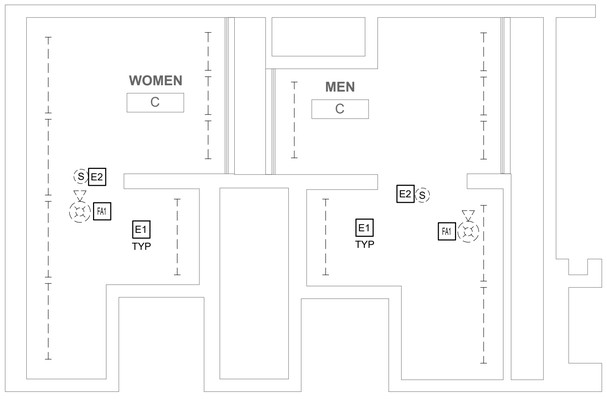
4 E612 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM C

SCALE: 1/4" = 1'-0"



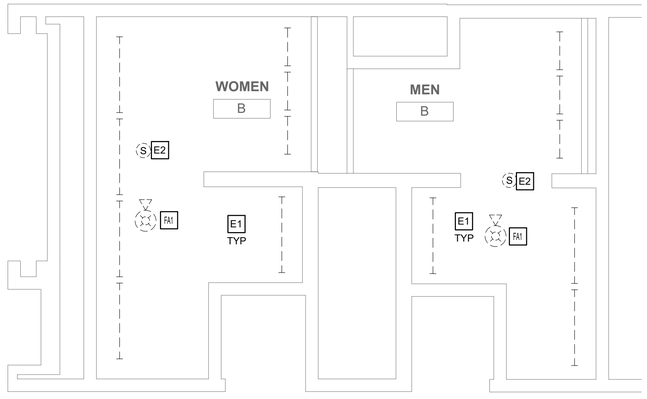
3 E612 REFLECTED CEILIN PLAN - MEN'S & WOMEN'S ROOM B

SCALE: 1/4" = 1'-0"



2 E612 DEMO PLAN - MEN'S & WOMEN'S ROOM C

SCALE: 1/4" = 1'-0"



1 E612 DEMO PLAN - MEN'S & WOMEN'S ROOM B

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA! EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

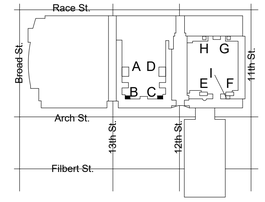
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA! EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

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REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

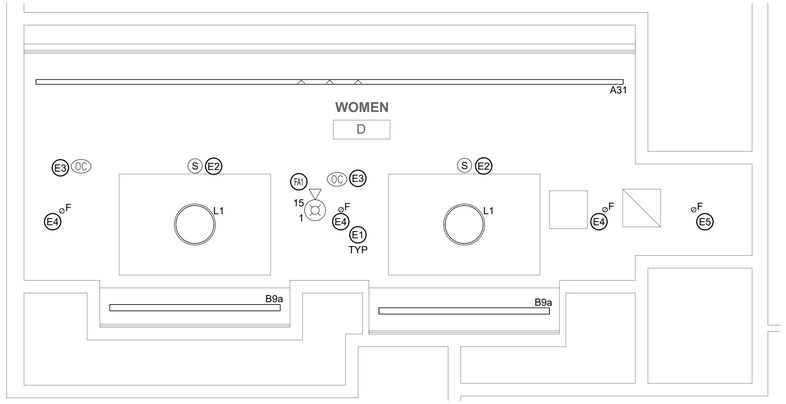
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOMS B, C (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

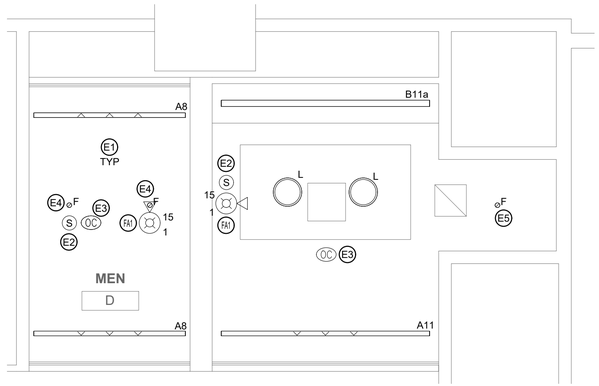
E612

Scale 1/4" = 1'-0"



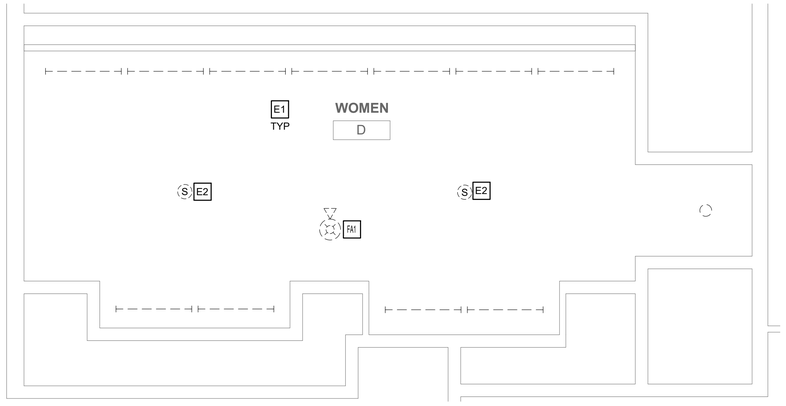
4 REFLECTED CEILING PLAN - WOMEN'S ROOM D

E613 SCALE: 1/4" = 1'-0"



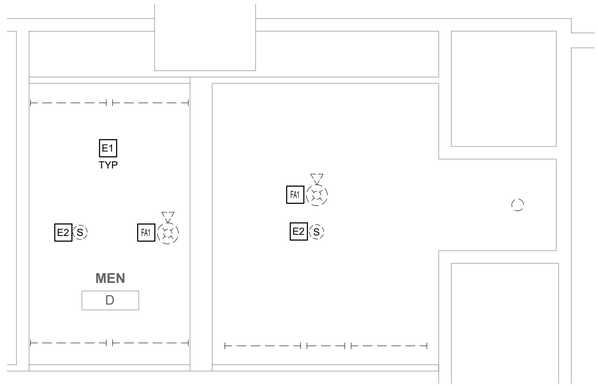
3 REFLECTED CEILING PLAN - MEN'S ROOM D

E613 SCALE: 1/4" = 1'-0"



2 DEMO PLAN - WOMEN'S ROOM D

E613 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - MEN'S ROOM D

E613 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

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GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

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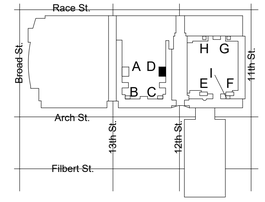

KEY PLAN - LEVEL 100 NTS

0 2' 4' 8'

N

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COMMONWEALTH OF PENNSYLVANIA
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RYAN M. ROGALA
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REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

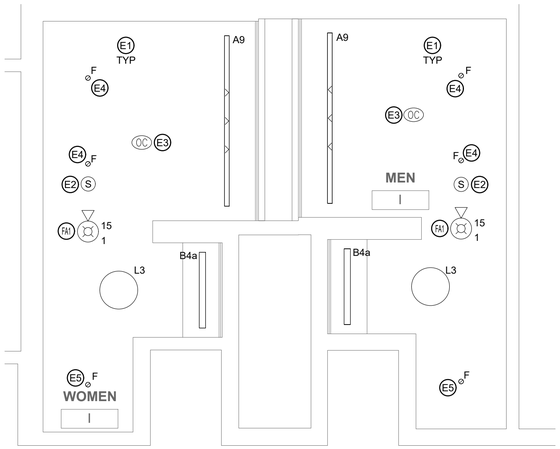
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM D (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

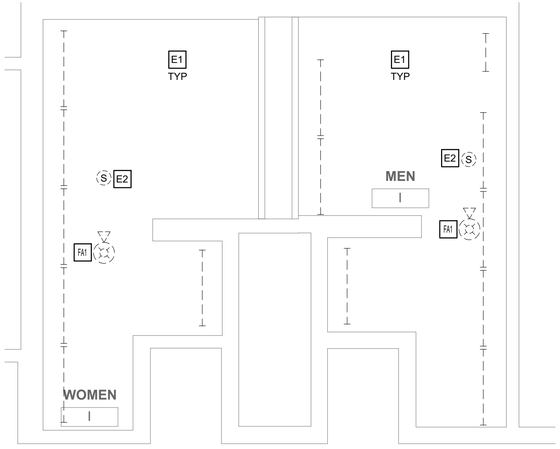
E613

Scale 1/4" = 1'-0"



1 / E614 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM I

SCALE: 1/4" = 1'-0"



1 / E614 DEMO PLAN - MEN'S & WOMEN'S ROOM I

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA! EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

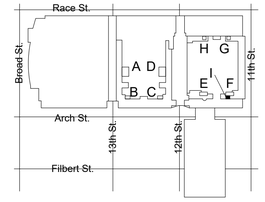
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA! EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 100 NTS

0 2" 4" 8"

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

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61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
P (610) 459-7900 | F (610) 459-7950 | aroraengineers.com

Contact: Kevin Sultanik
e-mail: ksultanik@aroraengineers.com

STRUCTURAL ENGINEERS:
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1341 NORTH DELAWARE AVENUE, SUITE 507
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Fax: 215.427.8752

Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

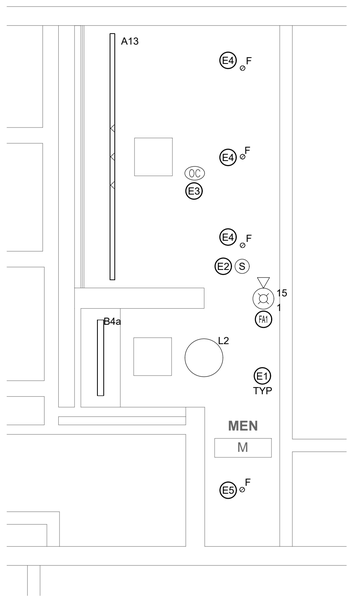
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM I (SEMINAR)

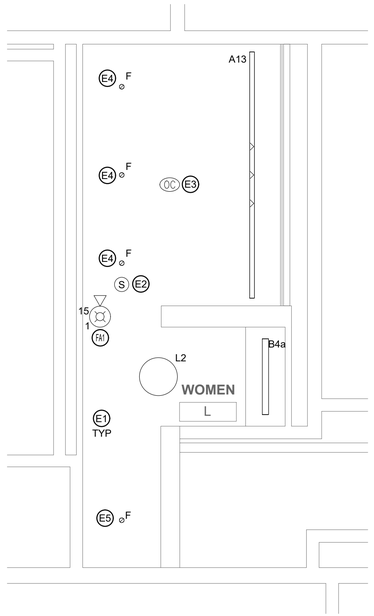
Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E614

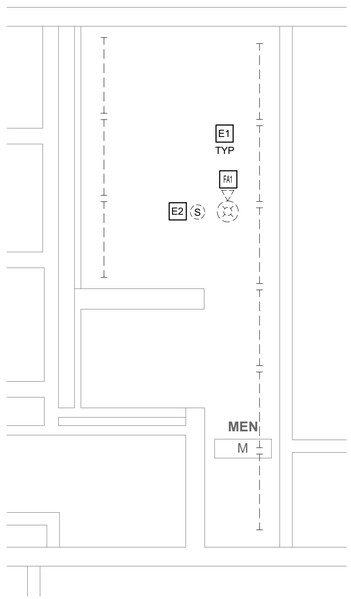
Scale 1/4" = 1'-0"



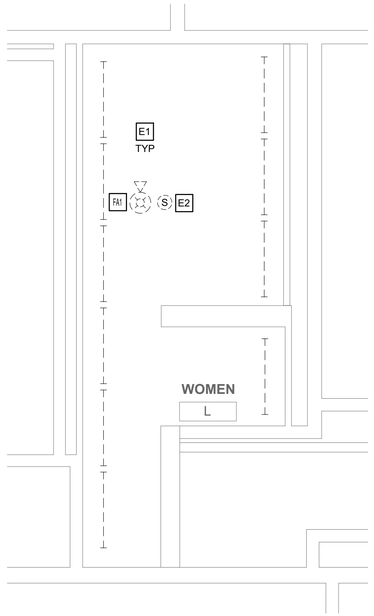
4 E615 **REFLECTED CEILING PLAN - MEN'S ROOM M**
SCALE: 1/4" = 1'-0"



3 E615 **REFLECTED CEILING PLAN - WOMEN'S ROOM L**
SCALE: 1/4" = 1'-0"



2 E615 **DEMO PLAN - MEN'S ROOM M**
SCALE: 1/4" = 1'-0"



1 E615 **DEMO PLAN - WOMEN'S ROOM L**
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA! EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

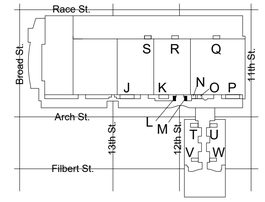
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA! EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

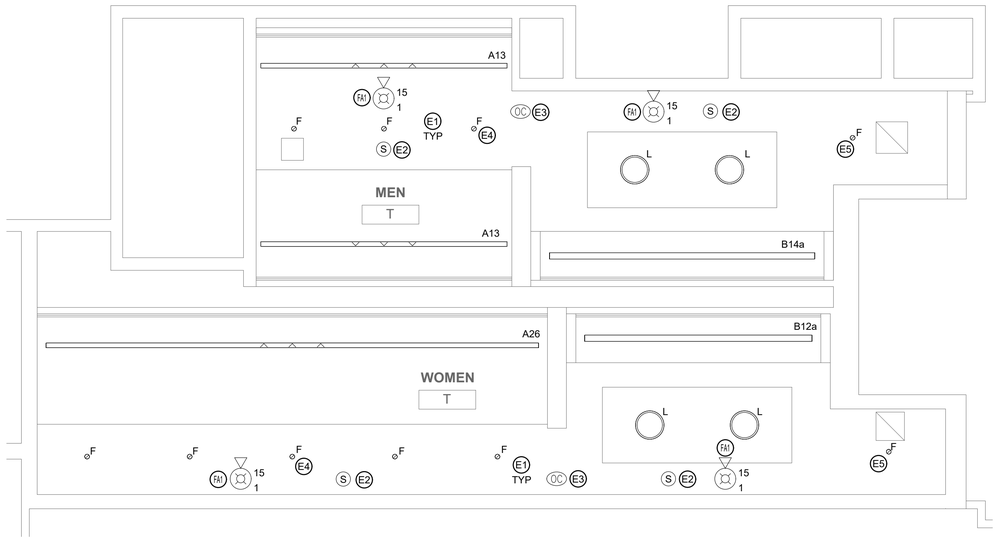
PENNSYLVANIA CONVENTION CENTER
RESTROOM RENOVATIONS
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOMS L, M (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

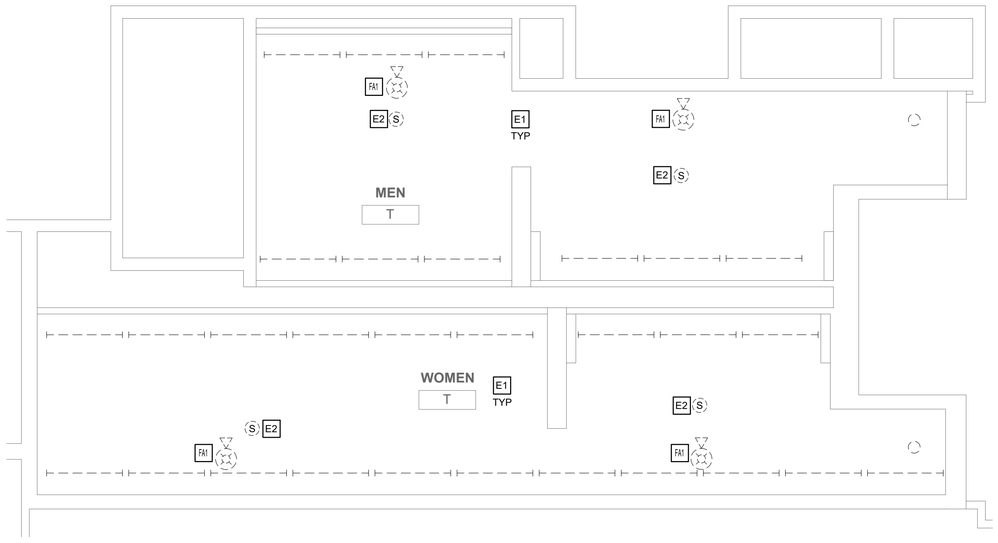
E615

Scale 1/4" = 1'-0"



2 / E616 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM T

SCALE: 1/4" = 1'-0"



1 / E616 DEMO PLAN - MEN'S & WOMEN'S ROOM T

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

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GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

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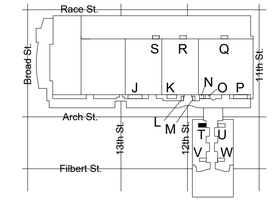

KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
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MEP ENGINEERS:

ARORA

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e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RYAN M. ROGALA ENGINEER PE067027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

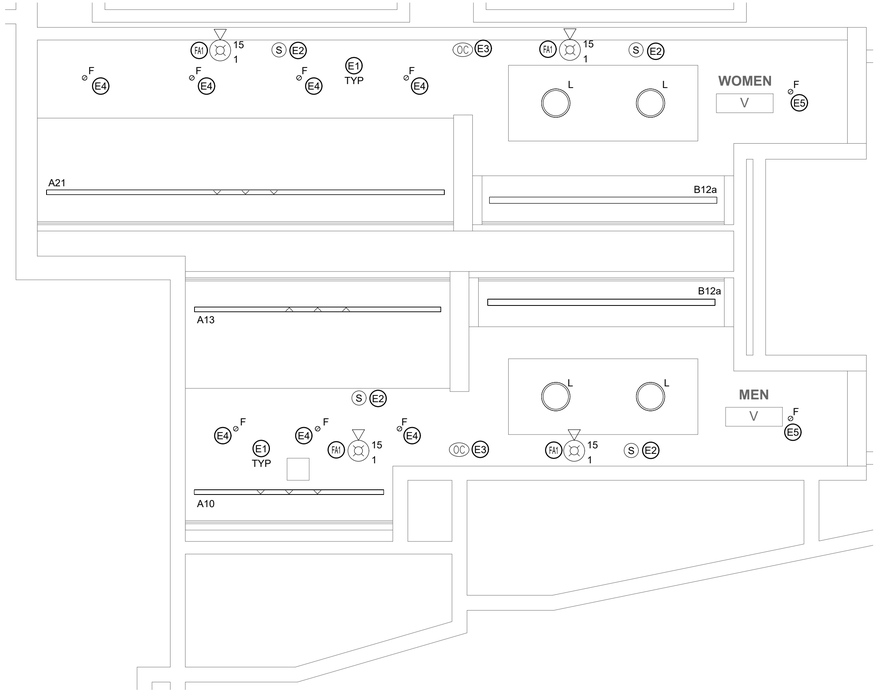
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM T (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

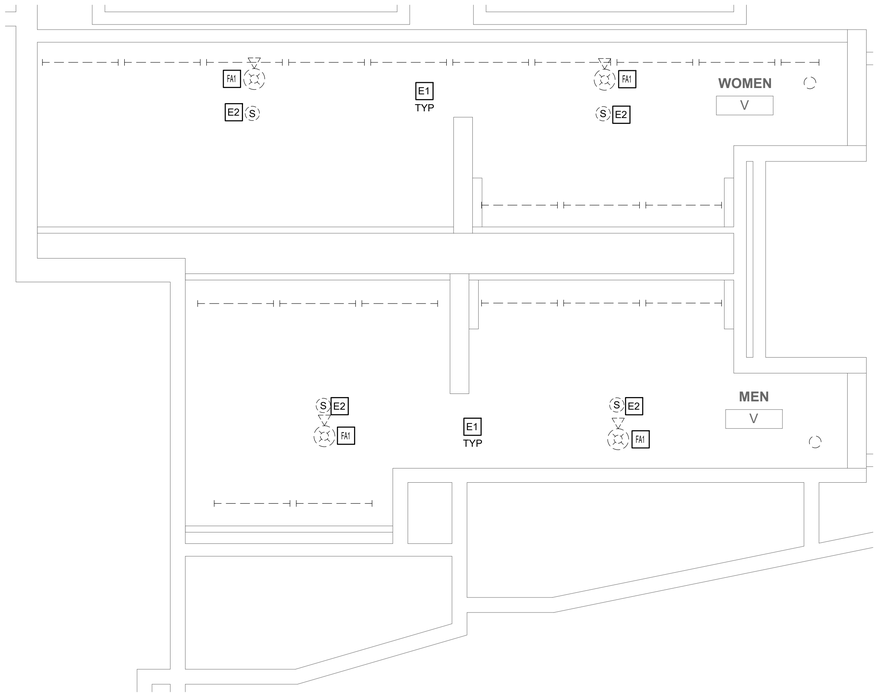
E616

Scale 1/4" = 1'-0"



2 / E618 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM V

SCALE: 1/4" = 1'-0"



1 / E618 DEMO PLAN - MEN'S & WOMEN'S ROOM V

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA! EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
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   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

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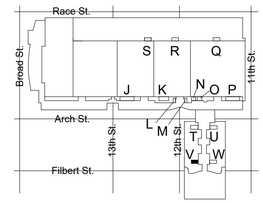

KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
RYAN M. ROGALA
ENGINEER
PE087027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

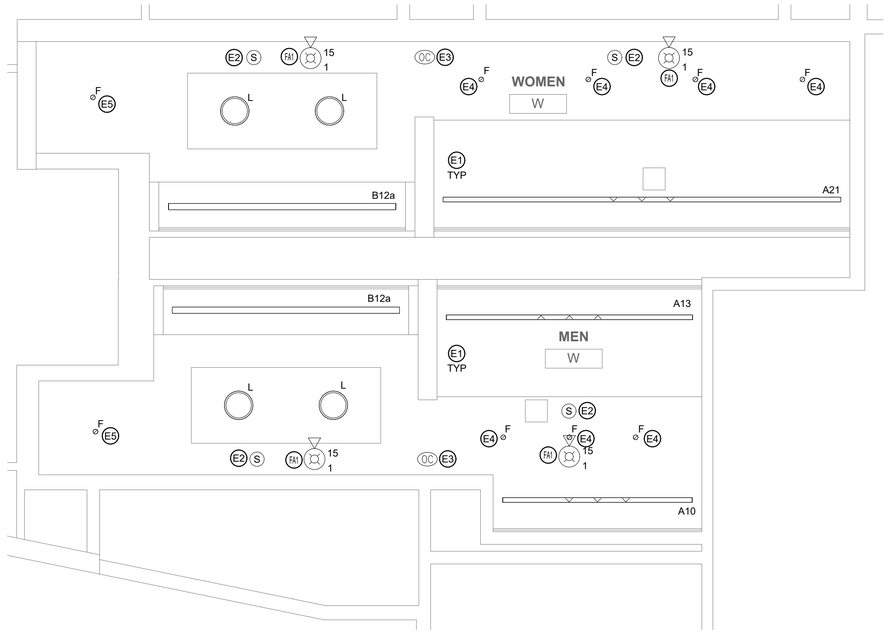
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM V (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

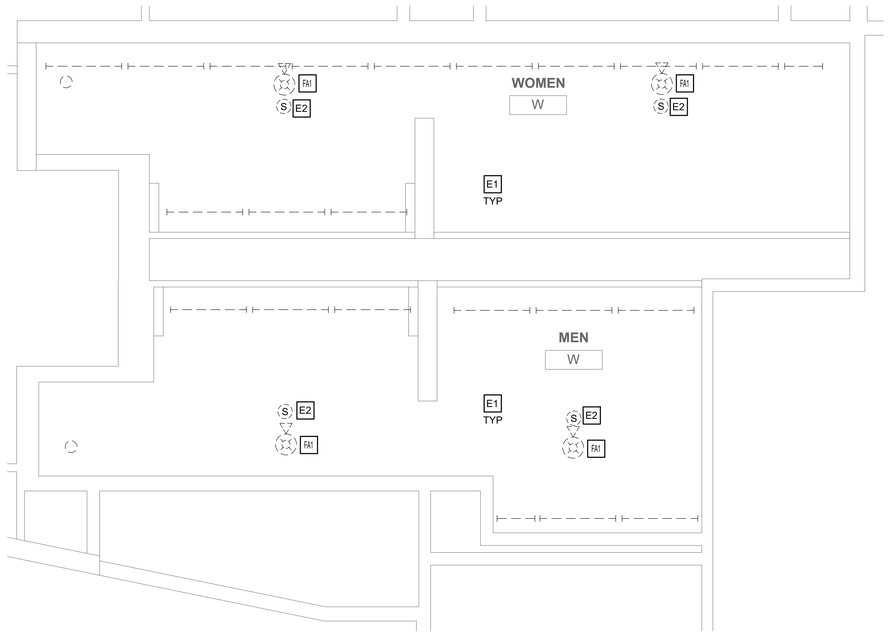
E618

Scale 1/4" = 1'-0"



2 / E619 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM W

SCALE: 1/4" = 1'-0"



1 / E619 DEMO PLAN - MEN'S & WOMEN'S ROOM W

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA! EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

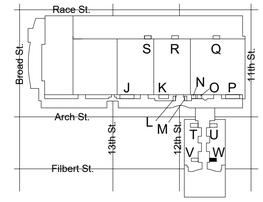
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA! EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 200 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

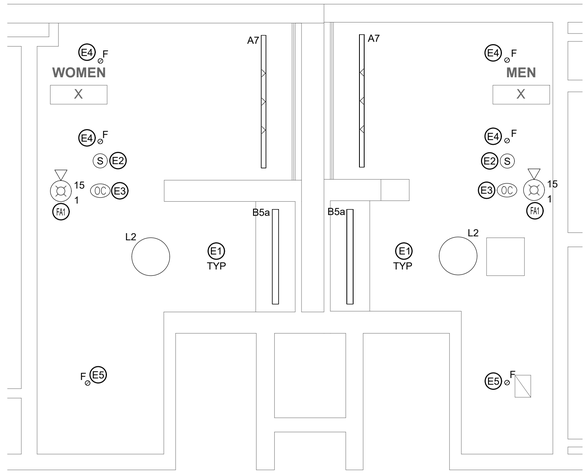
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM W (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

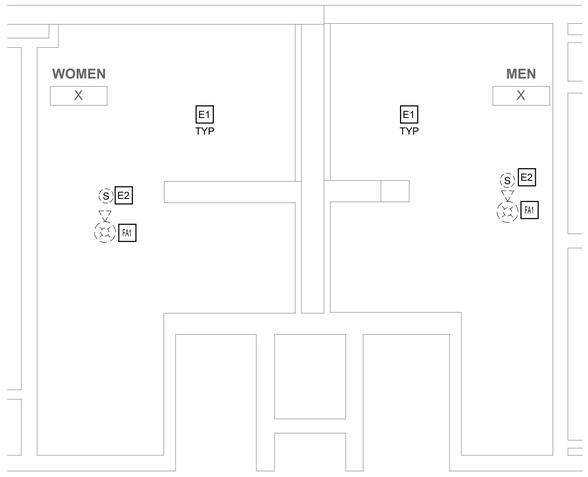
E619

Scale 1/4" = 1'-0"



2 / E620 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM X

SCALE: 1/4" = 1'-0"



1 / E620 DEMO PLAN - MEN'S & WOMEN'S ROOM X

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

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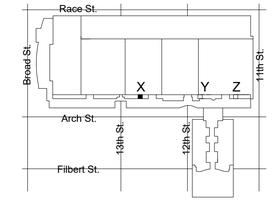

KEY PLAN - LEVEL 300 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

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COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

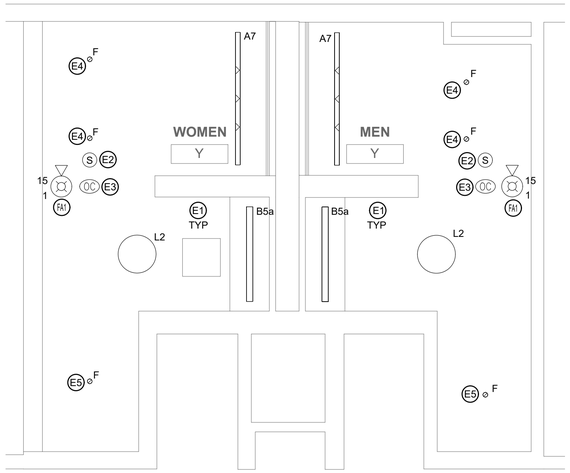
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM X (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

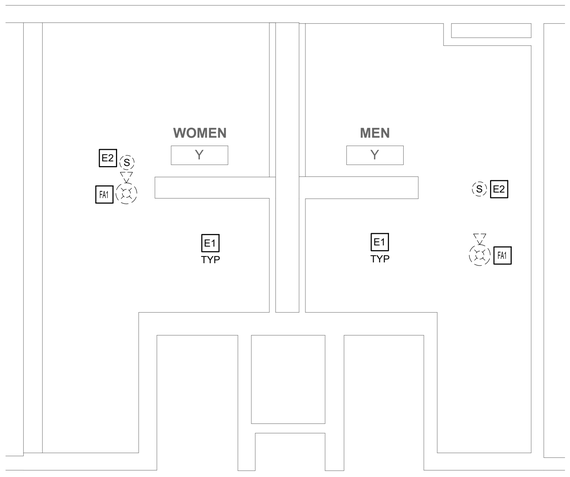
E620

Scale 1/4" = 1'-0"



2 E621 **REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM Y**

SCALE: 1/4" = 1'-0"



1 E621 **DEMO PLAN - MEN'S & WOMEN'S ROOM Y**

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
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   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

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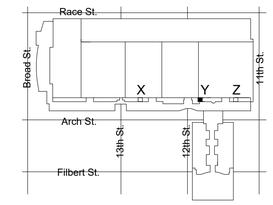

KEY PLAN - LEVEL 300 NTS

0 2' 4' 8'

N

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
RYAN M. ROGALA
ENGINEER
PE089727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

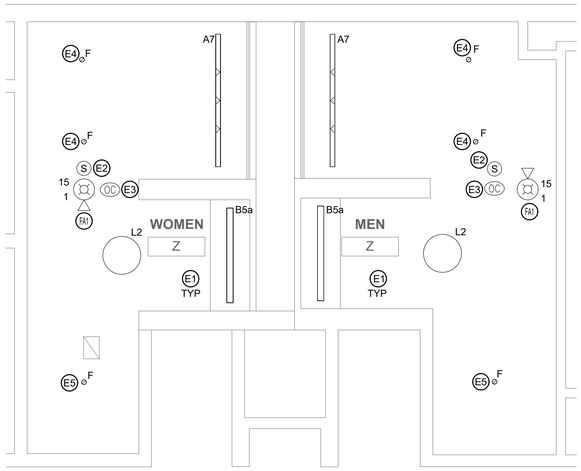
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM Y (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

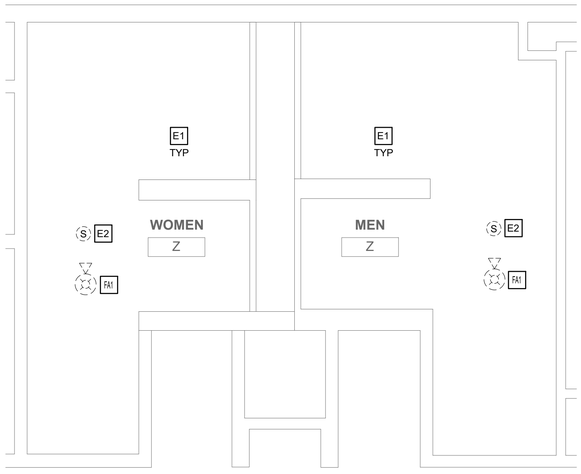
E621

Scale 1/4" = 1'-0"



2 E622 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM Z

SCALE: 1/4" = 1'-0"



1 E622 DEMO PLAN - MEN'S & WOMEN'S ROOM Z

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

E2 EC SHALL REMOVE AND DISPOSE OF CEILING-MOUNTED SPEAKERS. EC SHALL DISCONNECT POWER SUPPLY TO SPEAKERS AND PRESERVE FOR NEW SPEAKER INSTALLATION IN NEW LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PROPOSED LAYOUT.

FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
5. EC TO TRACE ALL CIRCUITS BACK TO SOURCE AND TAKE LOAD READINGS ON CIRCUITS AND PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.
6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

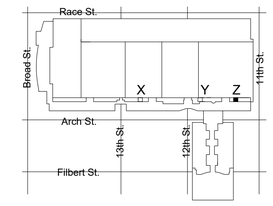
E2 EC SHALL CONNECT POWER SUPPLY TO NEW SPEAKERS AND INSTALL AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E3 EC SHALL FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR FOR AUTOMATIC LIGHTING CONTROL. PROVIDE SPLICES AND EXTEND EXISTING CIRCUITS AS REQUIRED TO ENSURE THE SENSOR IS COORDINATED WITH THE WALL MOUNTED SWITCH TO MEET THE DESIGN INTENT. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

E4 LIGHTING FIXTURE TO PROVIDE EGRESS LIGHTING. EC SHALL FURNISH AND INSTALL GENERATOR TRANSFER DEVICE AND CONNECT THE PRESERVED NORMAL LIGHTING CIRCUIT AND PRESERVED EMERGENCY CIRCUIT TO ENSURE LIGHT IS PROVIDED POWER FROM EMERGENCY CIRCUIT DURING NORMAL POWER OUTAGE. REFER TO DETAIL 6/E701 FOR MORE INFORMATION.

E5 LIGHTING FIXTURE TO OPERATE AS 'NIGHT LIGHT' FIXTURE AND PROVIDE EGRESS LIGHTING IN THE EVENT OF LOSS OF NORMAL POWER. EC SHALL PROVIDE POWER IN THE SPACE. PROVIDE POWER TO FIXTURE FROM THE EMERGENCY CIRCUIT AT A POINT AHEAD OF ANY SWITCHING. LIGHT TO REMAIN ON AT ALL TIMES.

FA1 EC SHALL REPLACE IN-KIND FIRE ALARM NOTIFICATION APPLIANCE AND INITIATION DEVICES AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. FURNISH AND INSTALL RECESSED BACKBOX AND CEILING TILE SUPPORT BRACKETS AS NEEDED. PROPERLY EXTEND CIRCUITING AS REQUIRED.



KEY PLAN - LEVEL 300 NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

ARORA

Arora Engineers, Inc.
61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
P (610) 459-7900 | F (610) 459-7950 | aroraengineers.com

Contact: Kevin Sultanik
e-mail: ksultanik@aroraengineers.com

STRUCTURAL ENGINEERS:
CSA GROUP
1341 NORTH DELAWARE AVENUE, SUITE 507
PHILADELPHIA, PA 19125

Ph: 215.427.8700
Fax: 215.427.8752

Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

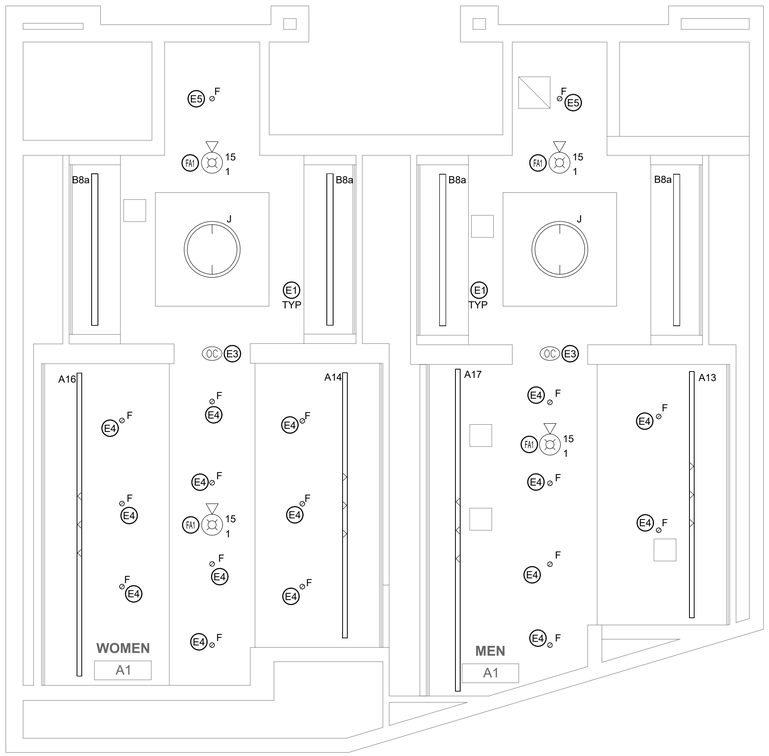
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM Z (SEMINAR)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

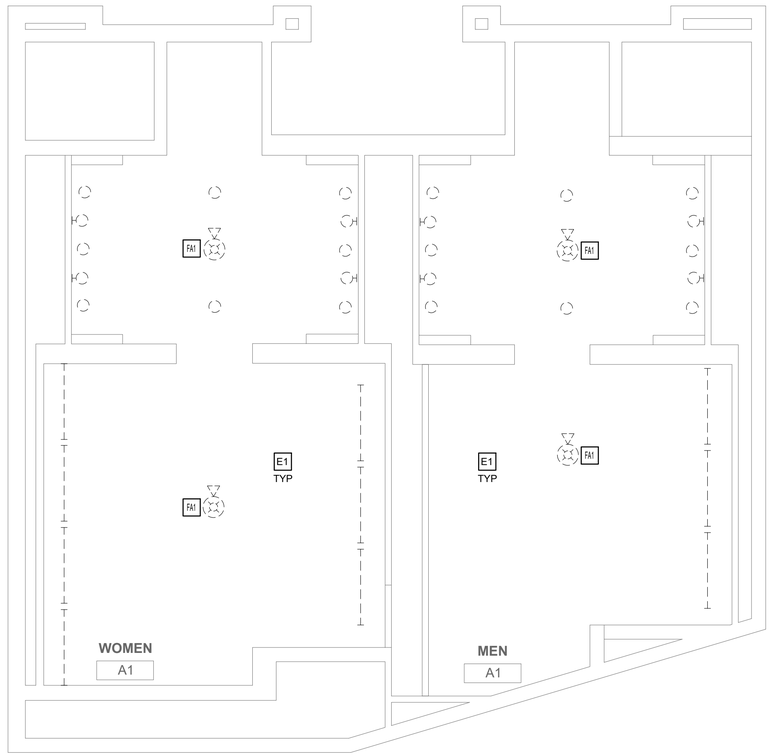
E622

Scale 1/4" = 1'-0"



2 E623 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM A1

SCALE: 1/4" = 1'-0"



1 E623 DEMO PLAN - MEN'S & WOMEN'S ROOM A1

SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
4. EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. TAG AND PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.
5. FURNISH AND INSTALL JUNCTION BOXES WHERE REQUIRED TO CONTINUE CIRCUITS OUTSIDE OF WORK AREA.
6. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.

DEMOLITION KEYED NOTES

E1 EC SHALL REMOVE AND DISPOSE OF ALL LIGHT FIXTURES WITHIN THE WORK AREA. PRESERVE EXISTING LIGHTING CIRCUITS FOR FUTURE RECONNECTION TO NEW LIGHTING FIXTURES.

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FA1 EC SHALL REMOVE AND DISCONNECT FIRE ALARM DEVICES WITHIN THE DESIGNATED AREA OF WORK TO ACCOMMODATE CEILING REPLACEMENT. SUPPORT EXISTING FIRE ALARM WIRING FOR TERMINATION TO BE REINSTALLED AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLAN. CIRCUIT CONTINUITY MUST BE MAINTAINED AT ALL TIMES AS NOT TO AFFECT REMAINING DEVICES NOT INCLUDED IN THIS WORK. ALL WIRING SHALL BE TAGGED AS REQUIRED FOR REINSTALLATION OF NEW DEVICES.

GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC.
3. ALL CONDUCTORS SHALL BE CU AND THHN/THWN UNLESS OTHERWISE NOTED.
4. IN NO CASE SHALL A 277V, 20A/1P CIRCUIT BE LOADED TO OVER 4.432KW OR A 120V, 20A/1P CIRCUIT BE LOADED TO OVER 1.92KW. MAKE CHANGES AS REQUIRED TO ENSURE COMPLIANT LOADING ON BREAKERS.
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6. BASIS OF DESIGN FOR OCCUPANCY SENSORS IS AS FOLLOWS. EC SHALL MAKE ALL NECESSARY WIRING CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR MAXIMUM COVERAGE IN THE FIELD. REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS ON DRAWING E701 FOR MORE INFORMATION.
   BASIS OF DESIGN:
   - CEILING MOUNTED: HUBBELL OMNIDT200 (360°, 22' RADIUS)
   - WALL MOUNTED: HUBBELL CONTROLS: LHMTS1-24V-WH
7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

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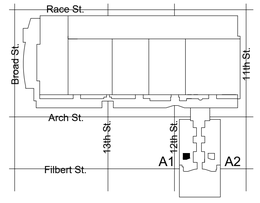

KEY PLAN - BALLROOM LEVEL NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

ARORA

Arora Engineers, Inc.
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Contact: Kevin Sultanik
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Fax: 215.427.8752

Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
RYAN M. ROGALA
ENGINEER
PE087027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

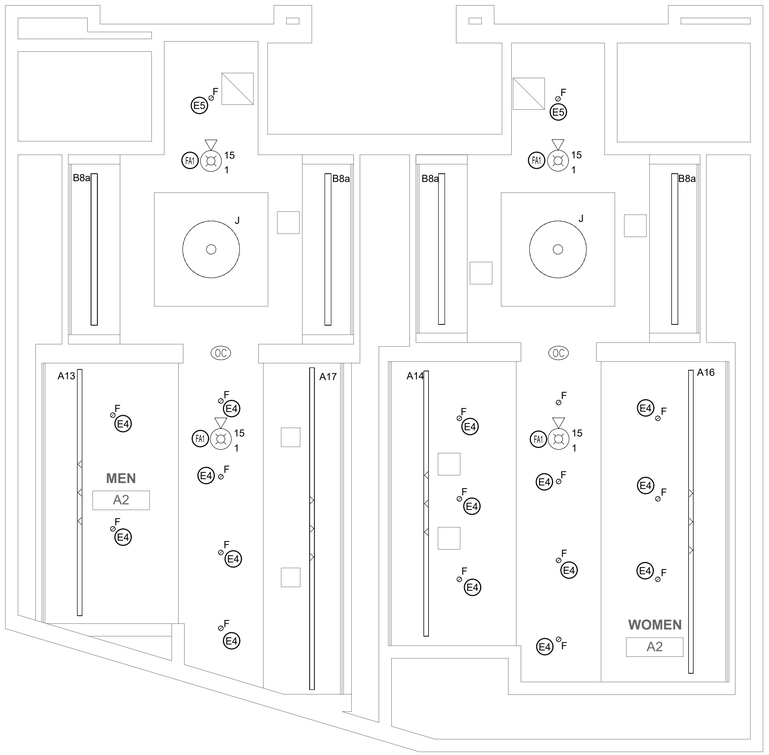
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM A1 (BALLROOM)

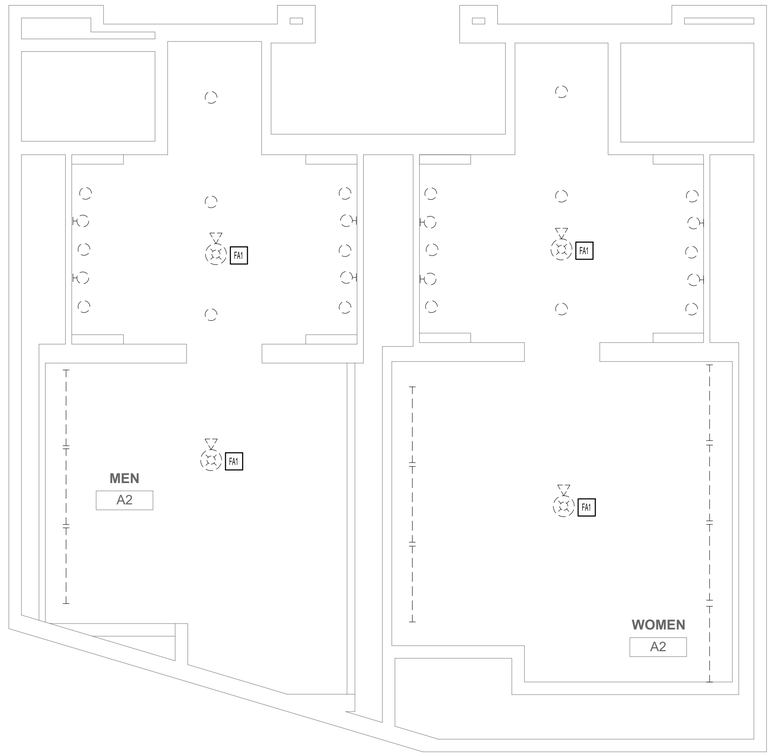
Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E623

Scale 1/4" = 1'-0"



2 REFLECTED CEILING PLAN - MEN'S & WOMEN'S ROOM A2
E624 SCALE: 1/4" = 1'-0"



1 DEMO PLAN - MEN'S & WOMEN'S ROOM A2
E624 SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. PRIOR TO THE START OF WORK, EC SHALL LOCATE ALL LIGHTING AND POWER PANEL SUPPLY CIRCUITS FOR THE WORK AREA AND RECORD PANEL AND CIRCUIT NUMBER ON RECORD DRAWINGS.
3. EC SHALL FIELD INVESTIGATE EXISTING LIGHT FIXTURES TO VERIFY NORMAL AND EMERGENCY FIXTURE VOLTAGES AND ENSURE NEW LIGHTING FIXTURES ARE SELECTED WITH VOLTAGES TO MATCH EXISTING.
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GENERAL NEW WORK NOTES

1. SEE DRAWING E001 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
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7. KEYED NOTES MAY NOT APPEAR ON ALL PLAN VIEWS.
8. SEE DRAWINGS E002-E004 FOR ELECTRICAL PANEL LOCATIONS.

NEW WORK KEYED NOTES

E1 EC SHALL FURNISH AND INSTALL ALL NEW LIGHTING AS SHOWN ON THE ARCHITECTURAL DRAWINGS. MAKE CONNECTIONS TO THE EXISTING 277V LIGHTING CIRCUITS PRESERVED DURING DEMOLITION. PROVIDE ADDITIONAL WIRING AND SPLICES AS REQUIRED TO MAKE CONNECTIONS AND COORDINATE WITH LIGHTING CONTROLS AS SHOWN IN DETAIL 3/E701. MINIMUM WIRE SIZE SHALL BE #12 AWG CU.

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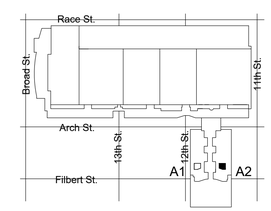

KEY PLAN - BALLROOM LEVEL NTS

0 2' 4' 8'

N

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

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Contact: Kevin Sultanik
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STRUCTURAL ENGINEERS:
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1341 NORTH DELAWARE AVENUE, SUITE 507
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Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
Registered Professional
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

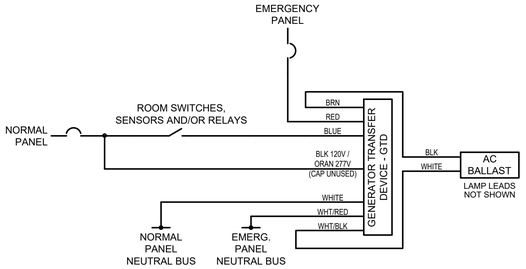
1101 ARCH STREET, PHILADELPHIA, PA 19107

REFLECTED CEILING PLAN - ROOM A2 (BALLROOM)

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E624

Scale 1/4" = 1'-0"

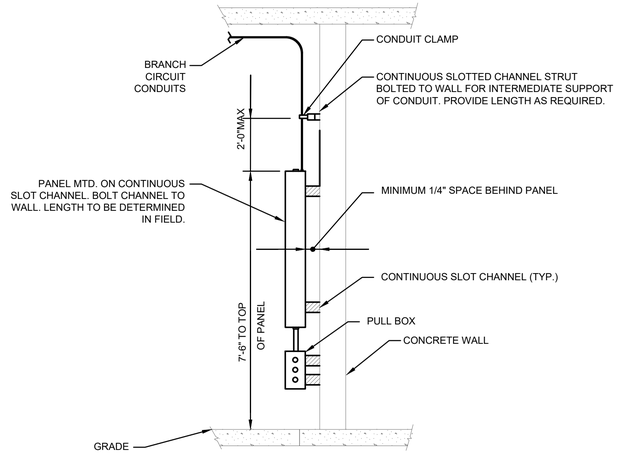


NOTES

1. EMERGENCY LIGHTING TRANSFER DEVICE WIRING IS BASED ON BODINE GTD EMERGENCY LIGHTING CONTROL DEVICE. CONTRACTOR SHALL MAKE ANY FIELD WIRING MODIFICATIONS NECESSARY TO ACHIEVE DESIGN INTENT.

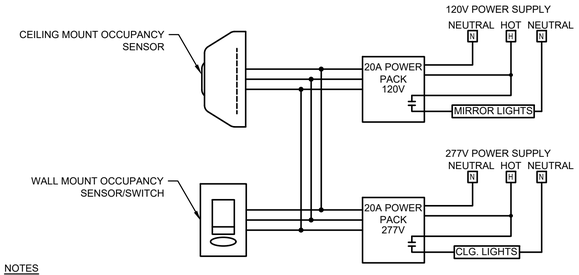
6 E701 EMERGENCY LIGHTING TRANSFER DEVICE WIRING DIAGRAM

NOT TO SCALE



5 E701 SURFACE MOUNT PANELBOARD

NOT TO SCALE

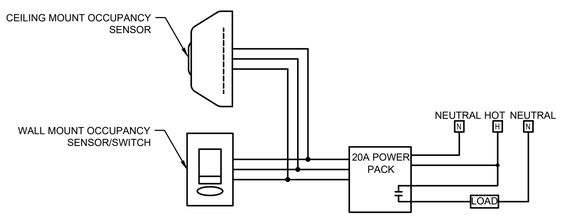


NOTES

1. LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM IS BASED ON HUBBELL. CONTRACTOR SHALL MAKE ANY FIELD WIRING MODIFICATIONS NECESSARY TO ACHIEVE DESIGN INTENT.
2. REFER TO E001 FOR OCCUPANCY SENSOR DEVICE BASIS OF DESIGN.

4 E701 TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM WITH EDGE LIT MIRRORS

NOT TO SCALE



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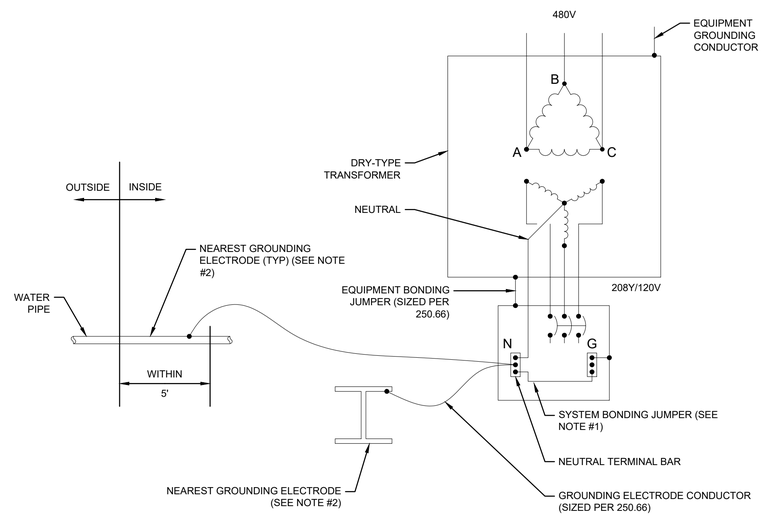
3 E701 TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

NOT TO SCALE

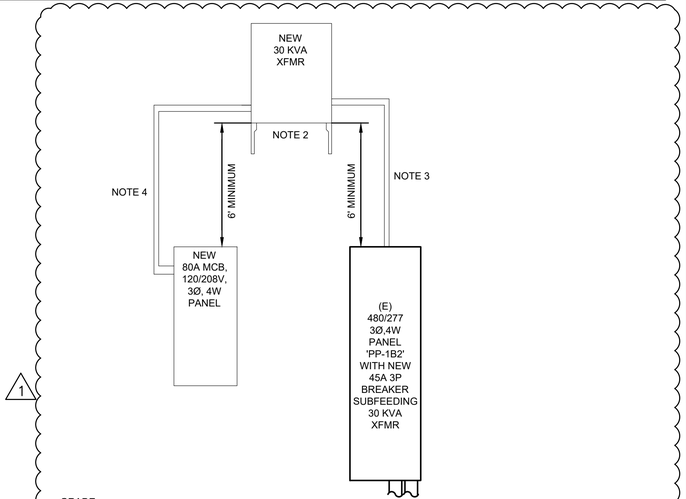


NOTES

1. SYSTEM EQUIPMENT BONDING JUMPER (SIZED PER 250.66 & 12.5%)
2. GROUNDING ELECTRODE MUST BE THE CLOSEST OF STRUCTURAL METAL OR METAL WATER PIPE WITHIN 5' OF POINT OF ENTRY INTO BLDG. IF NEITHER IS AVAILABLE, ANY OTHER ACCEPTABLE ELECTRODE IS PERMITTED.
3. IF TYING MULTIPLE SEPARATELY DERIVED SYSTEMS TO A COMMON GEC, USE 500 KCMIL AS COMMON GEC, AND TAPS FROM EACH XFMR ARE SIZED PER 250.66 (COMMONLY USED IN HIGH RISE BLDGS THAT DO NOT HAVE STRUCTURAL METAL FRAMING.)

2 E701 TRANSFORMER GROUNDING DETAIL

NOT TO SCALE



NOTES

1. THE INTENT IS TO FURNISH AND INSTALL A NEW SURFACE MOUNT 42 POLE, 80A MCB, 120/208V, 3Ø, 4W PANEL SUB-FED FROM A NEW 45A, 3 POLE CIRCUIT BREAKER IN AN EXISTING 480/277V 3Ø, 4W PANEL 'PP-1B2' IN THE DESIGNATED ELECTRICAL ROOM VIA NEW TRAPEZE MOUNTED 30KVA, 480-120/208V DELTA-WYE CONFIGURATION DRY TYPE TRANSFORMER (Z=2.5% MINIMUM). THE EC IS RESPONSIBLE FOR THE PHYSICAL LAYOUT OF THE DISTRIBUTION EQUIPMENT MEETING WORKING CLEARANCES, DEDICATED ELECTRICAL SPACE, AND ALL OTHER REQUIREMENTS OF THE NEC BASED ON ACTUAL FIELD CONDITIONS.
2. FURNISH AND INSTALL SQUARE D WALL MOUNTING BRACKET PART NUMBER 7400WMB18K20K.
3. FURNISH AND INSTALL (3) #6 AWG CU & (1) #6 GRD IN 1" CONDUIT FROM THE NEW 45A BREAKER TO FEED THE PRIMARY SIDE OF THE TRANSFORMER.
4. FURNISH AND INSTALL (4) #3 AWG CU & (1) #8 EQUIPMENT BONDING JUMPER IN 1-1/4" CONDUIT FROM THE SECONDARY SIDE OF THE TRANSFORMER TO THE 80A MAIN CIRCUIT BREAKER OF THE NEW PANEL.
5. REFER TO DETAIL 2/E701 FOR TRANSFORMER GROUNDING INFORMATION.
6. REFER TO DETAIL 5/E701 FOR PANEL MOUNTING INFORMATION.
7. EC TO TAKE LOAD READINGS PER NEC 220.87 ON EXISTING 480V PANELBOARD AS REQUIRED TO VERIFY CODE COMPLIANT LOADING AFTER PROJECT IS COMPLETE. MAKE ADJUSTMENTS AS REQUIRED. EC TO RELABEL ALL CIRCUIT DIRECTORIES FOR NEW CONFIGURATION AS REQUIRED AND PROVIDE AS-BUILTS TO CLIENT.

1 E701 NEW EQUIPMENT ARRANGEMENT DETAIL

NOT TO SCALE

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:
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STRUCTURAL ENGINEERS:
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Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
RYAN M. ROGALA
ENGINEER
PE067027

REVISIONS:

No.	Description	Date
1	ELEC UPDATE	11/08/19

PENNSYLVANIA CONVENTION CENTER
RESTROOM RENOVATIONS
1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL DETAILS AND DIAGRAMS

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E701

Scale NOT TO SCALE

LUMINAIRE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NUMBER	TYPE	TOTAL WATTS	VOLTS
A5	LED RECESSED 3IN WIDE LINEAR WALLWASHER, 5FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835-5-SFS-U-OL1-1-0-W	LED	30	UNV
A6	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 6FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835-6-SFS-U-OL1-1-0-W	LED	36	UNV
A7	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 7FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835-7-SFS-U-OL1-1-0-W	LED	42	UNV
A8	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 8FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 8-SFS-U-OL1-1-0-W	LED	48	UNV
A9	LED RECESSED 3IN WIDE LINEAR WALLWASHER, 9FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 9 CR-SF-U-OL1-1-0-W	LED	54	UNV
A10	LED RECESSED 3IN WIDE LINEAR WALLWASHER, 10FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 10 CR-SF-U-OL1-1-0-W	LED	50	UNV
A11	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 11FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835-11 CR-SF-U-OL1-1-0-W	LED	66	UNV
A12	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 12FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835-12 CR-SF-U-OL1-1-0-W	LED	78	UNV
A13	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 13 FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 13 CR-SF-U-OL1-1-0-W	LED	78	UNV
A14	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 14FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 14 CR-SF-U-OL1-1-0-W	LED	84	UNV
A15	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 15 FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 15 CR-SF-U-OL1-1-0-W	LED	90	UNV
A16	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 16FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 16 CR-SF-U-OL1-1-0-W	LED	96	UNV
A17	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 17FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 17 CR-SF-U-OL1-1-0-W	LED	102	UNV
A20	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 20FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 20 CR-SF-U-OL1-1-0-W	LED	120	UNV
A21	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 21FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 21 CR-SF-U-OL1-1-0-W	LED	126	UNV
A26	LED RECESSED 3IN WIDE LINEAR WALL WASHER, 26FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 26 CR-SF-U-OL1-1-0-W	LED	156	UNV
A31	LED RECESSED 3IN WIDE, LINEAR WALL WASHER, 31FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3WW-835- 31 CR-SF-U-OL1-1-0-W	LED	186	UNV
B2	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 2FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-2-FLF-U-OL1-1-0-S	LED	9.2	UNV
B4	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 4FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-4-FLF-U-0L1-1-0-S	LED	18.4	UNV
B5	LED 3IN SLOTLIGHT FLAT SATINE LENS, 5FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A -835-5 FLF-U-0L1-1-0-S	LED	23	UNV
B6	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 6FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-6-FLF-U-0L1-1-0-S	LED	27.6	UNV
B7	LED 3IN SLOTLIGHT FLAT SATINE LENS, 7FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A -835- 7- FLF-U-0L1-1-0-S	LED	32.2	UNV
B8	LED 3IN SLOTLIGHT FLAT SATINE LENS, 8FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-8 -FLF-U-OL1-1-0-S	LED	36.8	UNV
B9	LED 3IN SLOTLIGHT FLAT SATINE LENS, 9FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-9- FL-U-0L1-1-0-S	LED	41.4	UNV
B10	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 10FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-10- FL-U-0L1-1-0-S	LED	46	UNV
B11	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 11FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-11 FL-U-0L1-1-0-S	LED	50.6	UNV
B12	LED 3IN SLOT LIGHT FLAT SATINE LENS, 12FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-12-FL-U-OL1-1-0-S	LED	55.2	UNV
B13	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 13FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-13 FL-U-0L1-1-0-S	LED	59.8	UNV
B14	LED 3IN SLOT LIGHT, FLATSATINE LENS, 14FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-14-FL-U-OL1-1-0-S	LED	64.4	UNV
B16	LED 3IN SLOTLIGHT FLAT SATINE LENS, 16FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-16 -FL-U-OL1-1-0-S	LED	73.6	UNV
B20	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 20FT LONG	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-20- FL-U-0L1-1-0-S	LED	92	UNV
B4a	LED 3IN SLOTLIGHT 4FT LONG, ARCHED LENS	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-H-835-4-SFS-U-0L1-1-0-W	LED	18.4	UNV
B5a	LED 3IN SLOTLIGHT 5FT LONG, ARCHED LENS	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-H-835-5-SFS-U-0L1-1-0-W	LED	23	UNV
B8a	LED 3IN SLOTLIGHT 8FT LONG, ARCHED LENS	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-H-835-8-SFS-U-0L1-1-0-BL	LED	36.8	UNV
B9a	LED 3IN SLOTLIGHT 9 FT LONG, ARCHED LENS	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-H-835- 9 CR-SF-U-0L1-1-0-W	LED	41.4	UNV
B11a	LED 3IN SLOTLIGHT 11FT LONG, ARCHED LENS	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-H-835-11 CR-SF-U-0L1-1-0-W	LED	50.6	UNV
B12a	LED 3IN SLOTLIGHT 12FT LONG, ARCHED LENS	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-H -835-12 CR-SF-U-0L1-1-0-BL	LED	55.2	UNV
B14a	LED 3IN SLOTLIGHT 14 FT LONG, ARCHED LENS	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-H-835-13 CR-SF-U-0L1-1-0-BL	LED	64.4	UNV
BR 4 X 6	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 5 X 6 FT RECTANGULAR CONFIGURATION, OUTPUT REDUCED 25%	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835- R 4X6-FL-U-OL1-1-0-S-MOD RED 25	LED	100.2	UNV
BR 5 X 9	LED 3IN SLOTLIGHT, FLAT SATINE LENS, 5 X 9 FT RECTANGULAR CONFIGURATION, OUTPUT REDUCED 25%	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835- R 5X9-FL-U-OL1-1-0-S-MOD RED 25	LED	135	UNV
C 4	LED 3IN SLOTLIGHT 4FT OVERALL, MODIFIED WITH 2FT LUMINOUS AND 2FT BLANK PLATE	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-4-FLF-U-OL1-1-0-S MOD	LED	9.2	UNV
C6A	LED 3IN SLOTLIGHT 6FT OVERALL, MODIFIED WITH 4FT LUMINOUS AND 2FT BLANK PLATE	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-6-FLF-U-OL1-1-0-S-MOD	LED	18.4	UNV
C6B	LED 3IN SLOTLIGHT 6FT OVERALL, MODIFIED WITH 2FT LUMINOUS AND 4FT BLANK PLATE	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-6-FLF-U-OL1-1-0-S-MOD	LED	9.2	UNV
C6C	LED 3IN SLOTLIGHT 6FT OVERALL, MODIFIED WITH 2FT LUMINOUS CENTER AND 2FT BLANK END PLATES	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-6-FLF-U-OL1-1-0-S MOD	LED	9.2	UNV
C8A	LED 3IN SLOTLIGHT 8FT OVERALL, MODIFIED WITH 4FT LUMINOUS AND 2FT BLANK END PLATES	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-8-FLF-U-OL1-1-0-S-MOD	LED	18.4	UNV
C8B	LED 3IN SLOTLIGHT 8FT OVERALL, MODIFIED WITH 2FT LUMINOUS AND 2FT AND 4FT BLANK END PLATES	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-8-FLF-U-OL1-1-0-S-MOD	LED	9.2	UNV
C10	LED 3IN SLOTLIGHT 10FT OVERALL, MODIFIED WITH 4FT LUMINOUS AND BLANK 2FT AND 4FT END PLATES	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	EV3D-A-835-10-FLF-U-OL1-1-0-S MOD	LED	18.4	UNV
D	LED 3IN SQ RECESSED DOWNLIGHT, 60 DEG BEAM	RECESSED	LEDRA BRANDS	NU3-QD-XTM19-13LM-35K-83-HE60-277-DIM 10-NC-MC	LED	16.5	277
F	LED 3IN DIA RECESSED DOWNLIGHT 50 DEG BEAM	RECESSED	LEDRA BRANDS	NU3-RD-XTM19-10LM-835K-83-HE60-277-DIM 10-NC-WH-WH	LED	12.4	277
G	LED 3IN SQ RECESSED WALLWASHER	RECESSED	LEDRA BRANDS	NU3-QW-XTM19-13LM-835K-83-WW-277-DIM 10-NC-MC-MC	LED	16.5	277
J	LED 3FT LOOP PENDANT, LOW OUTPUT	PENDANT	CORONET	LOOP LED-3FT-LTG2-3500K-UNV-AC-DB-CC (BLACK)-AC	LED	27	UNV
K1	LED COVE LIGHT, 1FT SEGMENT 35K	SURFACE	ECOSENSE	L35-I-12-04-CL-80-MULT-120	LED	4	UNV
K2	LED COVE LIGHT, 4FT SEGMENT 35K	SURFACE	ECOSENSE	L35-I-48-04-CL-80-MULT-121	LED	16	UNV
L	LED SURFACE-MT 18 IN DIA DRUM, 7% UPLIGHT, REGRESSED SATINE LENS	SURFACE	PINNACLE ARCHITECTURAL LIGHTING	F18U-AR-835 - S-U -OL1-1-0-BL	LED	19.7	UNV
L1	LED SURFACE-MT 24 IN DIA DRUM, 7% UPLIGHT, REGRESSED SATINE LENS, OUTPUT REDUCED 25%	SURFACE	PINNACLE ARCHITECTURAL LIGHTING	F24U-AR-835 - S-U -OL1-1-0-BL	LED	39.4	UNV
L2	LED RECESSED 24 IN DIA DRUM, REGRESSED SATINE LENS	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	F24-AR-835-FL-U-OL1-1-0-W	LED	39.4	UNV
L3	LED RECESSED 24 IN DIA DRUM, REGRESSED SATINE LENS, OUTPUT REDUCED 25%	RECESSED	PINNACLE ARCHITECTURAL LIGHTING	F24-AR-835-FL-U-OL1-1-0-W	LED	39.4	UNV

NOTES

1. LUMINAIRE SCHEDULE INDICATES BASIS OF DESIGN FIXTURES AND MANUFACTURERS. FOR PRICING CONTACT DEIRDRE MCCLINTOCK AT DIVERSIFIED LIGHTING: (215) 442-0700, DMCCLINTOCK@DLATG.COM.
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. SEE ARCHITECTURAL DRAWINGS FOR LAYOUT AND CUSTOM FIXTURE CONFIGURATIONS.
4. CONTRACTOR TO VERIFY LENGTH IN THE FIELD AND CEILING CONDITIONS.
5. COORDINATE FINISHES SELECTIONS WITH ARCHITECT.
6. NOT ALL LIGHT FIXTURES MAY BE INCLUDED IN PROJECT. REFER TO PLANS FOR FIXTURE TYPES AND QUANTITIES.

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

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Arora Engineers, Inc.
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e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
RYAN M. ROGALA
ENGINEER
PE067027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER
RESTROOM RENOVATIONS
1101 ARCH STREET, PHILADELPHIA, PA 19107

LUMINAIRE SCHEDULE

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E702

Scale NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-1B3 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'F'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	B	C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	WATER HEATER	(E)	3	30	0	0			0	20	2	(E)	MICROWAVE	2
3					0		0		0					4
5					0			0	0	20	1	(E)	EXISTING LOAD	6
7	EXISTING LOAD	(E)	1	20	0	0			0	-	-	-	SPACE	8
9	EXISTING LOAD	(E)	1	20	0		0		0	-	-	-	SPACE	10
11	FIRE PROT. COMP.	(E)	2	20	0			0	0	-	-	-	SPACE	12
13					0	0			0	20	1	(E)	EXISTING LOAD	14
15	RECPT. OFF. PART.	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	RECPT. OFF. PART.	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	RECPT. OFF. PART.	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	RECPT. ADMIN.	22
23	RECPT. ADMIN.	(E)	1	20	0			0	0	20	1	(E)	RECPT. ADMIN.	24
25	RECPT. ADMIN.	(E)	1	20	0	0			0	20	1	(E)	RECPT. ADMIN.	26
27	RECPT. ADMIN.	(E)	1	20	0		0		0	20	1	(E)	RECPT. OFF. PART.	28
29	IDF I RECEPT TELE 2M	(E)	1	20	0			0	0	20	1	(E)	RECPT. OFF. PART.	30
31	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	RECPT. OFF. PART.	32
33	RECPT. COPY RM.	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	34
35	RECPT. COPY RM.	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	36
37	RECPT. COPY RM.	(E)	1	20	0	0			0	-	-	-	SPACE	38
39	EXISTING LOAD	(E)	1	20	0		0		0	-	-	-	SPACE	40
41	EXISTING LOAD	(E)	1	20	0			0	0	-	-	-	SPACE	42

NOTES:

	TOTALS		
	0	0	0
	0 VA		

0.00 AMPS

PANEL SCHEDULE

PANEL: RP-1B4 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'E&F'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	B	C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	CISCO SWITCH COL F4.F15	(E)	2	20	0	0			0	-	-	-	SPACE	2
3					0		0		0	-	-	-	SPACE	4
5	CISCO SWITCH COL F2.F13	(E)	2	20	0			0	0	-	-	-	SPACE	6
7					0	0			0	-	-	-	SPACE	8
9	CISCO SWITCH COL F25.F27	(E)	2	20	0		0		0	-	-	-	SPACE	10
11					0			0	0	-	-	-	SPACE	12
13	SPACE	-	-	-	0	0			0	-	-	-	SPACE	14
15	SPACE	-	-	-	0		0		0	-	-	-	SPACE	16
17	FLOOR RECPT. CONCOURSE	(E)	1	20	0			0	0	-	-	-	SPACE	18
19	FLOOR RECPT. CONCOURSE	(E)	1	20	0	0			0	20	1	(E)	PIT LT. RECPT. ESCAL	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	PIT LT. RECPT. ESCAL.	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	28
29	FLOOR REC. UNDER ESCALATOR	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	30
31	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	DAS # IDF-H	32
33	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	DAS # IDF-H	34
35	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	-	36
37	EXISTING LOAD	(E)	1	20	0	0			0	60	3	(E)	-	38
39	SPACE	-	-	-	0		0		0					40
41	SPACE	-	-	-	0			0	0					42

NOTES:

	TOTALS		
	0	0	0
	0 VA		

0.00 AMPS

PANEL SCHEDULE

PANEL: RP-1B3 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'I'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	B	C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	WATER HEATER	(E)	3	30	0	0			0	20	2	(E)	MICROWAVE	2
3					0		0		0					4
5					0			0	0	20	1	(E)	EXISTING LOAD	6
7	EXISTING LOAD	(E)	1	20	0	700			**700**	**20**	**1**	**12**	**I - MEN'S TOWEL DISPENSER & RECEPT & SOAP POWER**	8
9	EXISTING LOAD	(E)	1	20	0		1500		**1500**	**20**	**1**	**12**	**I - MEN'S HAND DRYER**	10
11	FIRE PROT. COMP.	(E)	2	20	0			1500	**1500**	**20**	**1**	**12**	**I - MEN'S HAND DRYER**	12
13					0	0			0	20	1	(E)	EXISTING LOAD	14
15	RECPT. OFF. PART.	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	RECPT. OFF. PART.	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	RECPT. OFF. PART.	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	RECPT. ADMIN.	22
23	RECPT. ADMIN.	(E)	1	20	0			0	0	20	1	(E)	RECPT. ADMIN.	24
25	RECPT. ADMIN.	(E)	1	20	0	0			0	20	1	(E)	RECPT. ADMIN.	26
27	RECPT. ADMIN.	(E)	1	20	0		0		0	20	1	(E)	RECPT. OFF. PART.	28
29	IDF I RECEPT TELE 2M	(E)	1	20	0			0	0	20	1	(E)	RECPT. OFF. PART.	30
31	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	RECPT. OFF. PART.	32
33	RECPT. COPY RM.	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	34
35	RECPT. COPY RM.	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	36
37	RECPT. COPY RM.	(E)	1	20	0	700			**700**	**20**	**1**	**12**	**I - WOMEN'S TOWEL DISPENSER & RECEPT & SOAP POWER**	38
39	EXISTING LOAD	(E)	1	20	0		1500		**1500**	**20**	**1**	**12**	**I - WOMEN'S HAND DRYER**	40
41	EXISTING LOAD	(E)	1	20	0			1500	**1500**	**20**	**1**	**12**	**I - WOMEN'S HAND DRYER**	42

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

	TOTALS		
	1400	3000	3000
	7400 VA		

20.54 AMPS

PANEL SCHEDULE

PANEL: RP-1B4 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: MLO

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS — LOCATION: ELEC ROOM FOR 'E&F'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	B	C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	CISCO SWITCH COL F4.F15	(E)	2	20	0	100			100	20	1	(E)	E- WOMEN'S TOWEL DISPENSER	2
3					0		1500		1500	20	1	(E)	E- WOMEN'S HAND DRYER	4
5	CISCO SWITCH COL F2.F13	(E)	2	20	0			1500	1500	20	1	(E)	E- WOMEN'S HAND DRYER	6
7					0	1500			1500	20	1	(E)	E- WOMEN'S HAND DRYER	8
9	CISCO SWITCH COL F25.F27	(E)	2	20	0		100		100	20	1	(E)	E- MEN'S TOWEL DISPENSER	10
11					0			1500	1500	20	1	(E)	E- MEN'S HAND DRYER	12
13	**F - WOMEN'S TOWEL DISPENSER & SOAP POWER**	**12**	**1**	**20**	**800**	2300			1500	20	1	(E)	E- MEN'S HAND DRYER	14
15	**F - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		2100		600	20	1	(E)	E- ELECTRIC WATER COOLER	16
17	FLOOR RECPT. CONCOURSE	(E)	1	20	0			0	0	-	-	-	SPACE	18
19	FLOOR RECPT. CONCOURSE	(E)	1	20	0	0			0	20	1	(E)	PIT LT. RECPT. ESCAL	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	PIT LT. RECPT. ESCAL.	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	28
29	FLOOR REC. UNDER ESCALATOR	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	30
31	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	DAS # IDF-H	32
33	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	DAS # IDF-H	34
35	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	36
37	EXISTING LOAD	(E)	1	20	0	0			0	60	3	(E)	EXISTING LOAD	38
39	**F - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		1500		0					40
41	**F - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			1500	0					42

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

	TOTALS		
	3900	5200	4500
	13600 VA		

37.75 AMPS

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RYAN M. ROGALA ENGINEER PE087027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 1

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E801

Scale NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-1B7 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'F'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECPT. CONCOURSE	(E)	1	20	0	0			0	20	1	(E)	RECPT. BOH	2
3	REC. BEHIND GUARD DESK	(E)	1	20	0		0		0	20	1	(E)	37 E TV REC.	4
5	TELEPHONE	(E)	1	20	0			0	0	20	1	(E)	CINGULAR REPEATER REC. TEL RM.	6
7	TELEPHONE	(E)	1	20	0	0			0	20	1	(E)	RECPT. BOX OFF	8
9	ELEV. LT. CTL.	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	10
11	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	RECPT. BOX OFF	12
13	ELEV. CTL. CIRC.	(E)	1	20	0	0			0	20	1	(E)	RECPT. BOX OFF	14
15	RECPT. ELCAL.	(E)	1	20	0		0		0	20	1	(E)	RECPT. HALL "D"	16
17	RECPT. ELCAL.	(E)	1	20	0			0	0	20	1	(E)	ELEV. PIT LTS.	18
19	EXISTING LOAD	(E)	1	20	0	0			0	-	-	-	SPACE	20
21	ELEV. PIT LTS.	(E)	1	20	0		0		0	20	1	(E)	CUH'S WEST STWY.	22
23	CUH WEST ENT.	(E)	1	20	0			0	0	-	-	-	SPACE	24
25	EXISTING LOAD	(E)	1	20	0	0			0	-	-	-	SPACE	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	RECPT. CLO & HALL "D"	28
29					0			0	0	20	1	(E)	EXISTING LOAD	30
31	HOT WATER HEATER	(E)	3	30	0	0			0	20	1	(E)	EXISTING LOAD	32
33					0		0		0	20	1	(E)	EXISTING LOAD	34
	TOTALS					0	0	0						

NOTES:

0 VA — 0.00 AMPS

PANEL SCHEDULE

PANEL: RP-1B7 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'F'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECPT. CONCOURSE	(E)	1	20	0	0			0	20	1	(E)	RECPT. BOH	2
3	REC. BEHIND GUARD DESK	(E)	1	20	0		0		0	20	1	(E)	37 E TV REC.	4
5	TELEPHONE	(E)	1	20	0			0	0	20	1	(E)	CINGULAR REPEATER REC. TEL RM.	6
7	TELEPHONE	(E)	1	20	0	0			0	20	1	(E)	RECPT. BOX OFF	8
9	ELEV. LT. CTL.	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	10
11	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	RECPT. BOX OFF	12
13	ELEV. CTL. CIRC.	(E)	1	20	0	0			0	20	1	(E)	RECPT. BOX OFF	14
15	RECPT. ELCAL.	(E)	1	20	0		0		0	20	1	(E)	RECPT. HALL "D"	16
17	RECPT. ELCAL.	(E)	1	20	0			0	0	20	1	(E)	ELEV. PIT LTS.	18
19	EXISTING LOAD	(E)	1	20	0	700			**700**	**20**	**1**	**12**	**F - MEN'S TOWEL DISPENSER & SOAP POWER**	20
21	ELEV. PIT LTS.	(E)	1	20	0		0		0	20	1	(E)	CUH'S WEST STWY.	22
23	CUH WEST ENT.	(E)	1	20	0			1500	**1500**	**20**	**1**	**10**	**F - MEN'S HAND DRYER**	24
25	EXISTING LOAD	(E)	1	20	0	1500			**1500**	**20**	**1**	**10**	**F - MEN'S HAND DRYER**	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	RECPT. CLO & HALL "D"	28
29					0			0	0	20	1	(E)	EXISTING LOAD	30
31	HOT WATER HEATER	(E)	3	30	0	0			0	20	1	(E)	EXISTING LOAD	32
33					0		0		0	20	1	(E)	EXISTING LOAD	34
	TOTALS					2200	0	1500						

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

3700 VA — 10.27 AMPS

PANEL SCHEDULE

PANEL: RP3C-2-S-2 EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 100A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'T'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	REC. REGISTER & STORAGE RM.	(E)	1	20	0	0			0	20	1	(E)	REC. NORTH CORR	2
3	REC. SECURITY & TOILET RM.	(E)	1	20	0		0		0	20	1	(E)	LTS TOILET ROOM VIA LR2	4
5	REC. CONCOURSE (W)	(E)	1	20	0			0	0	20	1	(E)	LTS MEETING RM POWER VIA LR2	6
7	SOFFIT RM. LTS. CONCOURSE VIA LR1	(E)	1	20	0	0			0	20	1	(E)	LTS. MEETING RM POWER VIA LR2	8
9	SOFFIT RM. LTS. CONCOURSE VIA LR2	(E)	1	20	0		0		0	20	1	(E)	TRAP TIMER	10
11	ARTISTIC LTG VIA LR2	(E)	1	20	0			0	0	20	1	(E)	RECP IDC EE TELE	12
13	REC. BOH CORR	(E)	1	20	0	0			0	20	1	(E)	RECP IDC JJ TELE	14
15	REC. BOH CORR	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	REC. BOH CORR	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	REC. BOH CORR	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	BELL CELL H.	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	BAS XFRMR	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	SPACE	-	-	-	0		0		0	20	1	(E)	EXISTING LOAD	28
29	SPACE	-	-	-	0			0	0	20	1	(E)	EXISTING LOAD	30
31	SPACE	-	-	-	0	0			0	20	1	(E)	EXISTING LOAD	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	SPACE	-	-	-	0	0			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42
	TOTALS					0	0	0						

NOTES:

0 VA — 0.00 AMPS

PANEL SCHEDULE

PANEL: RP3C-2-S-2 PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 100A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'T'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	REC. REGISTER & STORAGE RM.	(E)	1	20	0	0			0	20	1	(E)	REC. NORTH CORR	2
3	REC. SECURITY & TOILET RM.	(E)	1	20	0		0		0	20	1	(E)	LTS TOILET ROOM VIA LR2	4
5	REC. CONCOURSE (W)	(E)	1	20	0			0	0	20	1	(E)	LTS MEETING RM POWER VIA LR2	6
7	SOFFIT RM. LTS. CONCOURSE VIA LR1	(E)	1	20	0	0			0	20	1	(E)	LTS. MEETING RM POWER VIA LR2	8
9	SOFFIT RM. LTS. CONCOURSE VIA LR2	(E)	1	20	0		0		0	20	1	(E)	TRAP TIMER	10
11	ARTISTIC LTG VIA LR2	(E)	1	20	0			0	0	20	1	(E)	RECP IDC EE TELE	12
13	REC. BOH CORR	(E)	1	20	0	0			0	20	1	(E)	RECP IDC JJ TELE	14
15	REC. BOH CORR	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	REC. BOH CORR	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	REC. BOH CORR	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	BELL CELL H.	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	BAS XFRMR	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	**T - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**300**		300		0	20	1	(E)	EXISTING LOAD	28
29	**T - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			1500	0	20	1	(E)	EXISTING LOAD	30
31	**T - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	1500			0	20	1	(E)	EXISTING LOAD	32
33	SPACE	-	-	-	0		500		500	20	1	12	T- MEN'S SINK SOAP POWER	34
35	**T - MEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**300**			800	500	20	1	12	T- WOMEN'S SINK SOAP POWER	36
37	**T - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	1500			0	-	-	-	SPACE	38
39	**T - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		1500		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42
	TOTALS					3000	2300	2300						

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

7600 VA — 21.09 AMPS

1

1

CONVERSE WINKLER ARCHITECTURE
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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RYAN M. ROGALA — ENGINEER — PE067027

REVISIONS:

No.	Description	Date
1	ELEC UPDATE	11/08/19

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 2

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E802

Scale: NOT TO SCALE

PANEL SCHEDULE

PANEL: RP3C-3 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: 200A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC SUBSTATION NEAR 201B

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	REC. MEETING RM.	(E)	1	30	0	0			0	30	1	(E)	REC. MEETING RM.	2
3	REC. MEETING RM.	(E)	1	20	0		0		0	20	1	(E)	REC. MEETING RM.	4
5	REC. MEETING RM.	(E)	1	20	0			0	0	20	1	(E)	REC. MEETING RM.	6
7	LTS MEETING RM WALL WASHER	(E)	1	20	0	0			0	20	1	(E)	LTS MEETING RM WALL WASHER	8
9	LTS MEETING RM WALL WASHER	(E)	1	20	0		0		0	20	1	(E)	LTS MEETING RM WALL WASHER	10
11	RECEPT - SUB	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	14
15	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21					0		0		0	-	-	-	SPACE	22
23	EXISTING LOAD	(E)	3	30	0			0	0	-	-	-	SPACE	24
25					0	0			0	-	-	-	SPACE	26
27	SPACE	-	-	-	0		0		0	-	-	-	SPACE	28
29	SPACE	-	-	-	0			0	0	-	-	-	SPACE	30
	NOTES:					TOTALS								
						0	0	0						
						0 VA							0.00 AMPS	

PANEL SCHEDULE

PANEL: RP3C-3 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: 200A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC SUBSTATION NEAR 201B FOR 'W'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	REC. MEETING RM.	(E)	1	30	0	0			0	30	1	(E)	REC. MEETING RM.	2
3	REC. MEETING RM.	(E)	1	20	0		0		0	20	1	(E)	REC. MEETING RM.	4
5	REC. MEETING RM.	(E)	1	20	0			0	0	20	1	(E)	REC. MEETING RM.	6
7	LTS MEETING RM WALL WASHER	(E)	1	20	0	0			0	20	1	(E)	LTS MEETING RM WALL WASHER	8
9	LTS MEETING RM WALL WASHER	(E)	1	20	0		0		0	20	1	(E)	LTS MEETING RM WALL WASHER	10
11	RECEPT - SUB	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	14
15	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21					0		800		**800**	**20**	**1**	**12**	**W - WOMEN'S TOWEL DISPENSER & SOAP POWER**	22
23	EXISTING LOAD	(E)	3	30	0			1500	**1500**	**20**	**1**	**8**	**W - WOMEN'S HAND DRYER**	24
25					0	1500			**1500**	**20**	**1**	**8**	**W - WOMEN'S HAND DRYER**	26
27	**W - MEN'S HAND DRYER**	**8**	**1**	**20**	**1500**		1500		0	-	-	-	SPACE	28
29	**W - MEN'S HAND DRYER**	**8**	**1**	**20**	**1500**			2300	**800**	**20**	**1**	**12**	**W - MEN'S TOWEL DISPENSER & SOAP POWER**	30
	NOTES:					TOTALS								
	EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.					1500	2300	3800						
						7600 VA							21.09 AMPS	

PANEL SCHEDULE

PANEL: RP-3C-5 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: 225A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'V'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	REC BOH CORR.	(E)	1	20	0	0			0	20	1	(E)	REC BOH CORR.	2
3	REC BOH CORR.	(E)	1	20	0		0		0	20	1	(E)	REC BOH CORR.	4
5	REC BOH CORR.	(E)	1	20	0			0	0	20	1	(E)	REC BOH CORR.	6
7	REC MECH RM.	(E)	1	20	0	0			0	20	1	(E)	REC TEL ER STOR PUMP RM	8
9	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	RECEP CORR	10
11	MEETING RM FOYER	(E)	1	20	0			0	0	20	1	(E)	RECEP REG OFFICE	12
13	MEETING RM FOYER	(E)	1	20	0	0			0	20	1	(E)	SPARE	14
15	MEETING RM FOYER	(E)	1	20	0		0		0	20	1	(E)	SPARE	16
17	SOFFIT DM LTS CONCOURSE	(E)	1	20	0			0	0	20	1	(E)	SPARE	18
19	SOFFIT DM LTS CONCOURSE	(E)	1	20	0	0			0	20	1	(E)	SPARE	20
21	REC @ ESCALATOR	(E)	1	20	0		0		0	20	1	(E)	SPARE	22
23	REC IDC H-H	(E)	1	20	0			0	0	20	1	(E)	EWC	24
25	ATC PANEL	(E)	1	20	0	0			0	20	1	(E)	ELEVATOR PIT LITES	26
27	FCU 32 & 36	(E)	1	20	0		0		0	20	1	(E)	UH 178	28
29	SPARE	(E)	1	20	0			0	0	20	1	(E)	SPARE	30
31	SPARE	(E)	1	20	0	0			0	20	1	(E)	SPARE	32
33	SPARE	(E)	1	20	0		0		0	20	1	(E)	TRAP TIMER	34
35	SPARE	(E)	1	20	0			0	0	20	1	(E)	SPARE	36
37					0	0			0	20	1	(E)	LR-3 FEED	38
39	EXISTING LOAD	(E)	3	100	0		0		0	20	1	(E)	LR-3 FEED	40
41					0			0	0	20	1	(E)	SPARE	42
	NOTES:					TOTALS								
						0	0	0						
						0 VA							0.00 AMPS	

PANEL SCHEDULE

PANEL: RP-3C-5 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: 225A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'V'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	REC BOH CORR.	(E)	1	20	0	0			0	20	1	(E)	REC BOH CORR.	2
3	REC BOH CORR.	(E)	1	20	0		0		0	20	1	(E)	REC BOH CORR.	4
5	REC BOH CORR.	(E)	1	20	0			0	0	20	1	(E)	REC BOH CORR.	6
7	REC MECH RM.	(E)	1	20	0	0			0	20	1	(E)	REC TEL ER STOR PUMP RM	8
9	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	RECEP CORR	10
11	MEETING RM FOYER	(E)	1	20	0			0	0	20	1	(E)	RECEP REG OFFICE	12
13	MEETING RM FOYER	(E)	1	20	0	800			**800**	**20**	**1**	**12**	**V - WOMEN'S TOWEL DISPENSER & SOAP POWER**	14
15	MEETING RM FOYER	(E)	1	20	0		1500		**1500**	**20**	**1**	**10**	**V - WOMEN'S HAND DRYER**	16
17	SOFFIT DM LTS CONCOURSE	(E)	1	20	0			1500	**1500**	**20**	**1**	**10**	**V - WOMEN'S HAND DRYER**	18
19	SOFFIT DM LTS CONCOURSE	(E)	1	20	0	0			0	20	1	(E)	SPARE	20
21	REC @ ESCALATOR	(E)	1	20	0		0		0	20	1	(E)	SPARE	22
23	REC IDC H-H	(E)	1	20	0			0	0	20	1	(E)	EWC	24
25	ATC PANEL	(E)	1	20	0	0			0	20	1	(E)	ELEVATOR PIT LITES	26
27	FCU 32 & 36	(E)	1	20	0		0		0	20	1	(E)	UH 178	28
29	**V - MEN'S HAND DRYER**	**10**	**1**	**20**	**1500**			1500	0	20	1	(E)	SPARE	30
31	**V - MEN'S HAND DRYER**	**10**	**1**	**20**	**1500**	1500			0	20	1	(E)	SPARE	32
33	**V - MEN'S TOWEL DISPENSER & SOAP POWER**	**12**	**1**	**20**	**800**		800		0	20	1	(E)	TRAP TIMER	34
35	SPARE	(E)	1	20	0			0	0	20	1	(E)	SPARE	36
37					0	0			0	20	1	(E)	LR-3 FEED	38
39	EXISTING LOAD	(E)	3	100	0		0		0	20	1	(E)	LR-3 FEED	40
41					0			0	0	20	1	(E)	SPARE	42
	NOTES:					TOTALS								
	EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.					2300	2300	3000						
						7600 VA							21.09 AMPS	

CONVERSE WINKLER ARCHITECTURE
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COMMONWEALTH OF PENNSYLVANIA
REGISTERED
RYAN M. ROGALA
ENGINEER
PE069027

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 3

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E803

Scale: NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-4B7 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'Z'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	MEETING RM RECEPT 303	(E)	1	20	0	0			0	20	1	(E)	MEETING RM RECEPT 303	2
3	E.T.STORAGE RECEPTS	(E)	1	20	0		0		0	20	1	(E)	DAS IDF U	4
5	MEETING RM RECEPT 301	(E)	1	20	0			0	0	20	1	(E)	DAS IDF U	6
7	MEETING RM RECEPT 303	(E)	1	20	0	0			0	20	2	(E)	WATER HEATER	8
9	OFFICE RECEPTACLES	(E)	1	20	0		0		0					10
11	WATER COOLER RECEPT	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	30	2	(E)	EBR-1	14
15	EXISTING LOAD	(E)	1	20	0		0		0					16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	3	100	0	0			0	20	1	(E)	EXISTING LOAD	20
21					0		0		0	20	1	(E)	EXISTING LOAD	22
23					0			0	0					24
25	SPACE	-	-	-	0	0			0	100	3	(E)	EXISTING LOAD	26
27	SPACE	-	-	-	0		0		0					28
29	SPACE	-	-	-	0			0	0	-	-	-	SPACE	30
31	SPACE	-	-	-	0	0			0	-	-	-	SPACE	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	SPACE	-	-	-	0	0			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42

NOTES:

TOTALS: 0 | 0 | 0

0 VA — 0.00 AMPS

PANEL SCHEDULE

PANEL: RP-4B7 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'Z'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	MEETING RM RECEPT 303	(E)	1	20	0	0			0	20	1	(E)	MEETING RM RECEPT 303	2
3	E.T.STORAGE RECEPTS	(E)	1	20	0		0		0	20	1	(E)	DAS IDF U	4
5	MEETING RM RECEPT 301	(E)	1	20	0			0	0	20	1	(E)	DAS IDF U	6
7	MEETING RM RECEPT 303	(E)	1	20	0	0			0	20	2	(E)	WATER HEATER	8
9	OFFICE RECEPTACLES	(E)	1	20	0		0		0					10
11	WATER COOLER RECEPT	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	30	2	(E)	EBR-1	14
15	EXISTING LOAD	(E)	1	20	0		0		0					16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	3	100	0	0			0	20	1	(E)	EXISTING LOAD	20
21					0		0		0	20	1	(E)	EXISTING LOAD	22
23					0			0	0					24
25	**Z - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**100**	100			0	100	3	(E)	EXISTING LOAD	26
27	**Z - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		1500		0					28
29	**Z - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			2000	**500**	**20**	**1**	**12**	**Z - MEN'S SOAP POWER**	30
31	**Z - MEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**100**	600			**500**	**20**	**1**	**12**	**Z - WOMEN'S SOAP POWER**	32
33	**Z - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		1500		0	-	-	-	SPACE	34
35	**Z - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			1500	0	-	-	-	SPACE	36
37	**Z - MEN & WOMEN RECEPT**	**12**	**1**	**20**	**360**	360			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

TOTALS: 1060 | 3000 | 3500

7560 VA — 20.98 AMPS

PANEL SCHEDULE

PANEL: RP-5C5 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: 225A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'A2'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECEPT FOOD STAGING	(E)	1	20	0	0			0	20	1	(E)	RECEPT FOOD STAGING	2
3	RECEPT FOOD STAGING	(E)	1	20	0		0		0	20	1	(E)	RECEPT FOOD STAGING	4
5	RECEPT FOOD STAGING	(E)	1	20	0			0	0	20	1	(E)	RECEPT ELEC ROOM	6
7	BAS XFRMR	(E)	1	20	0	0			0	20	1	(E)	RECEPT BOH PREFUNC TERR & ELEVATOR	8
9	SPARE	-	1	20	0		0		0	20	1	(E)	RECEPT PREFUNC LOUNGE	10
11	SPARE	-	1	20	0			0	0	20	1	-	SPARE	12
13	RECEPTS BOH FOOD STAGING	(E)	1	20	0	0			0	20	1	-	SPARE	14
15	RECEPTS BOH FOOD STAGING	(E)	1	20	0		0		0	20	1	(E)	UNIT HEATER #170	16
17	RECEPTS BOH FOOD STAGING	(E)	1	20	0			0	0	20	1	-	SPARE	18
19	ELEVATOR PIT LIGHTS	(E)	1	20	0	0			0	20	1	(E)	LTS WOMENS RM	20
21	EWC	(E)	1	20	0		0		0	20	1	(E)	LTS MENS RM	22
23	SOUND MEZZ RECEPT	(E)	1	20	0			0	0	20	1	(E)	CAMERA	24
25	SPARE	-	1	20	0	0			0	20	1	(E)	INFRARED SPOTS FOR CAMERAS	26
27	SPARE	-	1	20	0		0		0	20	1	-	SPARE	28
29	RECEPTS PREFUNC & MENS ROOM	(E)	1	20	0			0	0	20	1	-	SPARE	30
31	AT&T PHONES	(E)	1	20	0	0			0	20	1	-	SPARE	32
33	AT&T PHONES	(E)	1	20	0		0		0	30	1	(E)	RECEPTS SOUND MEZZ	34
35	SIEMENS FIRE ALARM PANEL	(E)	1	20	0			0	0	30	1	(E)	RECEPTS SOUND MEZZ	36
37	EXISTING LOAD	(E)	3	30	0	0			0	30	3	-	SPARE	38
39					0		0		0					40
41					0			0	0					42

NOTES:

TOTALS: 0 | 0 | 0

0 VA — 0.00 AMPS

PANEL SCHEDULE

PANEL: RP-5C5 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: 225A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'A2'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECEPT FOOD STAGING	(E)	1	20	0	0			0	20	1	(E)	RECEPT FOOD STAGING	2
3	RECEPT FOOD STAGING	(E)	1	20	0		0		0	20	1	(E)	RECEPT FOOD STAGING	4
5	RECEPT FOOD STAGING	(E)	1	20	0			0	0	20	1	(E)	RECEPT ELEC ROOM	6
7	BAS XFRMR	(E)	1	20	0	0			0	20	1	(E)	RECEPT BOH PREFUNC TERR & ELEVATOR	8
9	**A2 - WOMEN'S TOWEL DISPENSER & SOAP POWER**	**12**	**1**	**20**	**700**		700		0	20	1	(E)	RECEPT PREFUNC LOUNGE	10
11	**A2 - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			1700	**200**	**20**	**1**	**12**	**A2 - MEN'S TOWEL DISPENSER**	12
13	RECEPTS BOH FOOD STAGING	(E)	1	20	0	1500			**1500**	**20**	**1**	**12**	**A2 - MEN'S HAND DRYER**	14
15	RECEPTS BOH FOOD STAGING	(E)	1	20	0		0		0	20	1	(E)	UNIT HEATER #170	16
17	RECEPTS BOH FOOD STAGING	(E)	1	20	0			1500	**1500**	**20**	**1**	**12**	**A2 - MEN'S HAND DRYER**	18
19	ELEVATOR PIT LIGHTS	(E)	1	20	0	0			0	20	1	(E)	LTS WOMENS RM	20
21	EWC	(E)	1	20	0		0		0	20	1	(E)	LTS MENS RM	22
23	SOUND MEZZ RECEPT	(E)	1	20	0			0	0	20	1	(E)	CAMERA	24
25	**A2 - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	1500			0	20	1	(E)	INFRARED SPOTS FOR CAMERAS	26
27	**A2 - WOMEN'S EDGELIT MIRROR**	**12**	**1**	**20**	**240**		480		**240**	**20**	**1**	**12**	**A2 - MEN'S EDGELIT MIRROR**	28
29	RECEPTS PREFUNC & MENS ROOM	(E)	1	20	0			0	0	20	1	-	SPARE	30
31	AT&T PHONES	(E)	1	20	0	500			**500**	**20**	**1**	**12**	**A2 - MEN'S SOAP POWER**	32
33	AT&T PHONES	(E)	1	20	0		0		0	30	1	(E)	RECEPTS SOUND MEZZ	34
35	SIEMENS FIRE ALARM PANEL	(E)	1	20	0			0	0	30	1	(E)	RECEPTS SOUND MEZZ	36
37	EXISTING LOAD	(E)	3	30	0	0			0	30	3	-	SPARE	38
39					0		0		0					40
41					0			0	0					42

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

TOTALS: 3500 | 1180 | 3200

7880 VA — 21.87 AMPS

CONVERSE WINKLER ARCHITECTURE
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COMMONWEALTH OF PENNSYLVANIA — REGISTERED — RYAN M. ROGALA — ENGINEER — PE068722 — PENNSYLVANIA

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 4

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E804

Scale: NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-5C6 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 100A — MAIN: 100A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'A1'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECEPT FOOD STAGING	(E)	1	20	0	0			0	20	1	(E)	RECEPT FOOD STAGING	2
3	RECEPT FOOD STAGING	(E)	1	20	0		0		0	20	1	(E)	RECEPT FOOD STAGING	4
5	RECEPT FOOD STAGING	(E)	1	20	0			0	0	20	1	(E)	RECEPT FOOD STAGING	6
7	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	RECEPT WOMENS TOILET RM & TERRACE	8
9	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	10
11	EXISTING LOAD	(E)	1	20	0			0	0	20	1	-	SPARE	12
13	RECEPTS BOH FOOD STAGING	(E)	1	20	0	0			0	20	1	(E)	RECEPT PREFUNC MENS TOILET RM	14
15	RECEPTS BOH FOOD STAGING	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	RECEPTS BOH FOOD STAGING	(E)	1	20	0			0	0	20	1	(E)	CAMERA	18
19	EWC	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	SOUND MEZZ RECEPT	(E)	1	20	0		0		0	20	1	(E)	SCONCE FIXTURES WOMENS ROOMS	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	ESCALATOR LT	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	28
29	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	30
31	SOUND MEZZ RECEPT	(E)	2	30	0	0			0	20	1	(E)	EXISTING LOAD	32
33					0		0		0	20	1	(E)	EXISTING LOAD	34
35	SPACE	-	-	-	0			0	0	20	1	(E)	EXISTING LOAD	36
37	SPACE	-	-	-	0	0			0	20	1	(E)	EXISTING LOAD	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42
	NOTES:					TOTALS								
						0	0	0						
						0 VA							0.00 AMPS	

PANEL SCHEDULE

PANEL: RP-5C6 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 100A — MAIN: 100A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'A1'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECEPT FOOD STAGING	(E)	1	20	0	0			0	20	1	(E)	RECEPT FOOD STAGING	2
3	RECEPT FOOD STAGING	(E)	1	20	0		0		0	20	1	(E)	RECEPT FOOD STAGING	4
5	RECEPT FOOD STAGING	(E)	1	20	0			0	0	20	1	(E)	RECEPT FOOD STAGING	6
7	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	RECEPT WOMENS TOILET RM & TERRACE	8
9	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	10
11	EXISTING LOAD	(E)	1	20	0			500	**500**	**20**	**1**	**12**	**A1 - WOMEN'S SOAP POWER**	12
13	RECEPTS BOH FOOD STAGING	(E)	1	20	0	0			0	20	1	(E)	RECEPT PREFUNC MENS TOILET RM	14
15	RECEPTS BOH FOOD STAGING	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	RECEPTS BOH FOOD STAGING	(E)	1	20	0			0	0	20	1	(E)	CAMERA	18
19	EWC	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	SOUND MEZZ RECEPT	(E)	1	20	0		0		0	20	1	(E)	SCONCE FIXTURES WOMENS ROOMS	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	ESCALATOR LT	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	28
29	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	30
31	SOUND MEZZ RECEPT	(E)	2	30	0	0			0	20	1	(E)	EXISTING LOAD	32
33					0		0		0	20	1	(E)	EXISTING LOAD	34
35	**A1 - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**200**			200	0	20	1	(E)	EXISTING LOAD	36
37	**A1 - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	1500			0	20	1	(E)	EXISTING LOAD	38
39	**A1 - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		1500		0	-	-	-	SPACE	40
41	**A1 - WOMEN'S EDGELIT MIRROR**	**12**	**1**	**20**	**240**			240	0	-	-	-	SPACE	42
	NOTES:					TOTALS								
	EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.					1500	1500	940						
						3940 VA							10.94 AMPS	

PANEL SCHEDULE

PANEL: RP-5C4 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: 225A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'A1'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	FLOOR RECEPTS BALLROOM	(E)	1	20	0	0			0	20	1	(E)	FLOOR RECEPTS BALLROOM	2
3	FLOOR RECEPTS BALLROOM	(E)	1	20	0		0		0	20	1	(E)	FLOOR RECEPTS BALLROOM	4
5	FLOOR RECEPTS BALLROOM	(E)	1	20	0			0	0	20	1	(E)	FLOOR RECEPTS BALLROOM	6
7	RECEPTS BALLROOM WEST SIDE	(E)	1	20	0	0			0	20	1	(E)	RECEPT NW EXIT OF BALLROOM	8
9	RECEPTS BALLROOM WEST SIDE	(E)	1	20	0		0		0	20	1	(E)	RECP IDC CC TELE	10
11	RECEPTS BALLROOM WEST SIDE	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	FLOOR RECEPTS BALLROOM	(E)	1	20	0	0			0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	14
15	BAS XFRMR	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	RECEPT SW ENT OF BALLROOM	(E)	1	20	0	0			0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	24
25	RECEPTS PREFUNC AREA	(E)	1	20	0	0			0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	ESCALATOR	28
29	ROOF RECEPT	(E)	1	20	0			0	0	20	1	-	SPARE	30
31	RECEPTS BALLROOM SOUTH	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	32
33	SPARE	-	1	20	0		0		0	20	1	-	SPARE	34
35	SPARE	-	1	20	0			0	0	20	1	(E)	AT&T PHONES	36
37	SPACE	-	-	-	0	0			0	20	1	(E)	AT&T PHONES	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42
	NOTES:					TOTALS								
						0	0	0						
						0 VA							0.00 AMPS	

PANEL SCHEDULE

PANEL: RP-5C4 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN: 225A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'A1'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	FLOOR RECEPTS BALLROOM	(E)	1	20	0	0			0	20	1	(E)	FLOOR RECEPTS BALLROOM	2
3	FLOOR RECEPTS BALLROOM	(E)	1	20	0		0		0	20	1	(E)	FLOOR RECEPTS BALLROOM	4
5	FLOOR RECEPTS BALLROOM	(E)	1	20	0			0	0	20	1	(E)	FLOOR RECEPTS BALLROOM	6
7	RECEPTS BALLROOM WEST SIDE	(E)	1	20	0	0			0	20	1	(E)	RECEPT NW EXIT OF BALLROOM	8
9	RECEPTS BALLROOM WEST SIDE	(E)	1	20	0		0		0	20	1	(E)	RECP IDC CC TELE	10
11	RECEPTS BALLROOM WEST SIDE	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	FLOOR RECEPTS BALLROOM	(E)	1	20	0	0			0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	14
15	BAS XFRMR	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	RECEPT SW ENT OF BALLROOM	(E)	1	20	0	0			0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	24
25	RECEPTS PREFUNC AREA	(E)	1	20	0	0			0	20	1	(E)	FLOOR RECEPTS FUNCTION AREA	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	ESCALATOR	28
29	ROOF RECEPT	(E)	1	20	0			500	**500**	**20**	**1**	**12**	**A1 - MEN'S SOAP POWER**	30
31	RECEPTS BALLROOM SOUTH	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	32
33	**A1 - MEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**200**		200		0	20	1	-	SPARE	34
35	**A1 - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			1500	0	20	1	(E)	AT&T PHONES	36
37	**A1 - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	1500			0	20	1	(E)	AT&T PHONES	38
39	**A1 - MEN'S EDGELIT MIRROR**	**12**	**1**	**20**	**240**		240		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42
	NOTES:					TOTALS								
	EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.					1500	440	2000						
						3940 VA							10.94 AMPS	

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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COMMONWEALTH OF PENNSYLVANIA — Registered Professional Engineer — RYAN M. ROGALA — ENGINEER PE049727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 5

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E805

Scale: NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-3A1 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'R&S'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	2
3	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	4
5	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	8
9					0		0		0	20	1	(E)	EXISTING LOAD	10
11	EXISTING LOAD	(E)	3	30	0			0	0	20	1	(E)	EXISTING LOAD	12
13					0	0			0	20	1	(E)	EXISTING LOAD	14
15	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	SPARE	-	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	SPARE	-	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	SPARE	-	1	20	0		0		0	20	1	(E)	EXISTING LOAD	28
29	SPARE	-	1	20	0			0	0	20	1	-	SPARE	30
31	SPARE	-	1	20	0	0			0	20	1	-	SPARE	32
33	SPARE	-	1	20	0		0		0	20	1	-	SPARE	34
35	SPARE	-	1	20	0			0	0	20	1	-	SPARE	36
37					0	0			0	20	1	-	SPARE	38
39	EXISTING LOAD	(E)	3	100	0		0		0	-	-	-	SPACE	40
41					0			0	0	-	-	-	SPACE	42

NOTES:

TOTALS: 0 | 0 | 0

0 VA — 0.00 AMPS

PANEL SCHEDULE

PANEL: RP-3A1 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'R&S'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	2
3	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	4
5	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	8
9					0		0		0	20	1	(E)	EXISTING LOAD	10
11	EXISTING LOAD	(E)	3	30	0			0	0	20	1	(E)	EXISTING LOAD	12
13					0	0			0	20	1	(E)	EXISTING LOAD	14
15	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	**R - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**600**			600	0	20	1	(E)	EXISTING LOAD	24
25	**R - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	1500			0	20	1	(E)	EXISTING LOAD	26
27	**R - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		1500		0	20	1	(E)	EXISTING LOAD	28
29	**R - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			2100	**600**	**20**	**1**	**12**	**R- MEN'S TOWEL DISPENSER**	30
31	**S - MEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**300**	1800			**1500**	**20**	**1**	**12**	**R - MEN'S HAND DRYER**	32
33	**S - MEN'S HAND DRYER**	**10**	**1**	**20**	**1500**		3000		**1500**	**20**	**1**	**12**	**R - MEN'S HAND DRYER**	34
35	**S - MEN'S HAND DRYER**	**10**	**1**	**20**	**1500**			1800	**300**	**20**	**1**	**12**	**S - WOMEN'S TOWEL DISPENSER**	36
37					0	1500			**1500**	**20**	**1**	**10**	**S - WOMEN'S HAND DRYER**	38
39	EXISTING LOAD	(E)	3	100	0		1500		**1500**	**20**	**1**	**10**	**S - WOMEN'S HAND DRYER**	40
41					0			1500	**1500**	**20**	**1**	**10**	**S - WOMEN'S HAND DRYER**	42

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

TOTALS: 4800 | 6000 | 6000

16800 VA — 46.63 AMPS

PANEL SCHEDULE

PANEL: RP-1A21 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 400A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'C'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	FOOD CART	(E)	1	20	0	0			0	20	1	(E)	FOOD CART	2
3	FOOD CART	(E)	1	20	0		0		0	20	1	(E)	FOOD CART	4
5	FOOD CART	(E)	1	20	0			0	0	20	1	(E)	FOOD CART	6
7	FOOD CART	(E)	1	20	0	0			0	20	1	(E)	FOOD CART	8
9	FOOD CART	(E)	1	20	0		0		0	20	1	(E)	FOOD CART	10
11	FOOD CART	(E)	1	20	0			0	0	20	1	(E)	FOOD CART	12
13	FOOD CART	(E)	1	20	0	0			0	20	1	(E)	FOOD CART	14
15	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	FOOD CART	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	28
29	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	30
31	**C - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**200**	400			**200**	**20**	**1**	**12**	**C - MEN'S TOWEL DISPENSER**	32
33	**C - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**		3000		**1500**	**20**	**1**	**10**	**C - MEN'S HAND DRYER**	34
35	**C - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**			3000	**1500**	**20**	**1**	**10**	**C - MEN'S HAND DRYER**	36
37	**C - WOMEN'S SOAP POWER**	**12**	**1**	**20**	**500**	1100			**600**	**20 (GFI)**	**1**	**12**	**C - ELECTRIC WATER COOLER**	38
39	SPACE	-	-	-	0		500		**500**	**20**	**1**	12	**C - MEN'S SOAP POWER**	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42

NOTES:

TOTALS: 1500 | 3500 | 3000

8000 VA — 22.20 AMPS

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RYAN M. ROGALA — ENGINEER — PE067027

REVISIONS:

No.	Description	Date
1	ELEC UPDATE	11/08/19

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 6

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E806

Scale: NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-1A14 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 400A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'D'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	B	C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	POWER OUTLET	(E)	3	100	0	0			0	20	1	(E)	IDF RECEPT E-1	2
3					0		0		0	-	-	-	SPACE	4
5					0			0	0	-	-	-	SPACE	6
7	POWER OUTLET	(E)	3	100	0	0			0	20	1	(E)	DAS IDF E1	8
9					0		0		0	20	1	(E)	DAS IDF E1	10
11					0			0	0	-	-	-	SPACE	12
13	POWER OUTLET	(E)	3	100	0	0			0	-	-	-	SPACE	14
15					0		0		0	-	-	-	SPACE	16
17					0			0	0	-	-	-	SPACE	18
19	SPACE	-	-	-	0	0			0	-	-	-	SPACE	20
21	SPACE	-	-	-	0		0		0	-	-	-	SPACE	22
23	SPACE	-	-	-	0			0	0	-	-	-	SPACE	24
25	SPACE	-	-	-	0	0			0	-	-	-	SPACE	26
27	SPACE	-	-	-	0		0		0	-	-	-	SPACE	28
29	SPACE	-	-	-	0			0	0	-	-	-	SPACE	30
31	W. ARCH ST TREE LIGHT RECEPT.	(E)	1	20	0	0			0	-	-	-	SPACE	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	W. ARCH ST TREE LIGHT RECEPT.	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	38
39	SPACE	-	-	-	0		0		0	20	1	(E)	EXISTING LOAD	40
41	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	42
NOTES:						TOTALS 0	0	0						
						0 VA			0.00 AMPS					

PANEL SCHEDULE

PANEL: RP-1A5 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'A'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	B	C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	76 LEVEL AIR COMPRESSOR	(E)	2	20	0	0			0	20	2	(E)	WATER HEATER #2	2
3					0		0		0					4
5	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	REGISTER RECEPT	(E)	1	20	0	0			0	20	1	(E)	REGISTER RECEPT	8
9	REGISTER RECEPT	(E)	1	20	0		0		0	20	1	(E)	REGISTER RECEPT	10
11	REGISTER RECEPT	(E)	1	20	0			0	0	20	1	(E)	REGISTER RECEPT	12
13	RECEPT RM. 138	(E)	1	20	0	0			0	20	1	(E)	WALL HYDRANT HEAT TRACE	14
15	LIGHTING RELAY PANEL	(E)	1	20	0		0		0	20	1	(E)	LIGHTING RELAY PANEL	16
17	LIGHTING RELAY PANEL	(E)	1	20	0			0	0	20	1	(E)	LIGHTING RELAY PANEL	18
19	IDF E1	(E)	1	20	0	0			0	20	1	(E)	CHINA ART LTS. WEST ARCH ST	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	CHINA ART LTS. WEST ARCH ST	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	CHINA ART LTS. WEST ARCH ST	24
25	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	DAS IDF E2	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	DAS IDF E2	28
29	SPACE	-	-	-	0			0	0	-	-	-	SPACE	30
31	SPACE	-	-	-	0	0			0	-	-	-	SPACE	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	SPACE	-	-	-	0	0			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42
NOTES:						TOTALS 0	0	0						
						0 VA			0.00 AMPS					

PANEL SCHEDULE

PANEL: RP-1A14 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 400A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'D'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	B	C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	POWER OUTLET	(E)	3	100	0	0			0	20	1	(E)	IDF RECEPT E-1	2
3					0		0		0	-	-	-	SPACE	4
5					0			1500	**1500**	**20**	**1**	**10**	**D - MEN'S HAND DRYER**	6
7	POWER OUTLET	(E)	3	100	0	0			0	20	1	(E)	DAS IDF E1	8
9					0		0		0	20	1	(E)	DAS IDF E1	10
11					0			100	**100**	**20**	**1**	**12**	**D - MEN'S TOWEL DISPENSER**	12
13	POWER OUTLET	(E)	3	100	0	1500			**1500**	**20**	**1**	**10**	**D - MEN'S HAND DRYER**	14
15					0		0		0	-	-	-	SPACE	16
17					0			0	0	-	-	-	SPACE	18
19	SPACE	-	-	-	0	200			**200**	**20**	**1**	**12**	**D - WOMEN'S TOWEL DISPENSER**	20
21	SPACE	-	-	-	0		1500		**1500**	**20**	**1**	**10**	**D - WOMEN'S HAND DRYER**	22
23	SPACE	-	-	-	0			1500	**1500**	**20**	**1**	**10**	**D - WOMEN'S HAND DRYER**	24
25	SPACE	-	-	-	0	1500			**1500**	**20**	**1**	**10**	**D - WOMEN'S HAND DRYER**	26
27	SPACE	-	-	-	0		360		**360**	**20**	**1**	**12**	**D- GFI RECEPTS**	28
29	SPACE	-	-	-	0			500	**500**	**20**	1	**12**	**D - MEN'S SOAP POWER**	30
31	W. ARCH ST TREE LIGHT RECEPT.	(E)	1	20	0	500			**500**	**20**	**1**	**12**	**D - WOMEN'S SOAP POWER**	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	W. ARCH ST TREE LIGHT RECEPT.	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	38
39	SPACE	-	-	-	0		0		0	20	1	(E)	EXISTING LOAD	40
41	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	42
NOTES: EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.						TOTALS 3700	1860	3600						
						9160 VA			25.42 AMPS					

PANEL SCHEDULE

PANEL: RP-1A5 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'A'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	B	C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	76 LEVEL AIR COMPRESSOR	(E)	2	20	0	0			0	20	2	(E)	WATER HEATER #2	2
3					0		0		0					4
5	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	REGISTER RECEPT	(E)	1	20	0	0			0	20	1	(E)	REGISTER RECEPT	8
9	REGISTER RECEPT	(E)	1	20	0		0		0	20	1	(E)	REGISTER RECEPT	10
11	REGISTER RECEPT	(E)	1	20	0			0	0	20	1	(E)	REGISTER RECEPT	12
13	RECEPT RM. 138	(E)	1	20	0	0			0	20	1	(E)	WALL HYDRANT HEAT TRACE	14
15	LIGHTING RELAY PANEL	(E)	1	20	0		0		0	20	1	(E)	LIGHTING RELAY PANEL	16
17	LIGHTING RELAY PANEL	(E)	1	20	0			0	0	20	1	(E)	LIGHTING RELAY PANEL	18
19	IDF E1	(E)	1	20	0	0			0	20	1	(E)	CHINA ART LTS. WEST ARCH ST	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	CHINA ART LTS. WEST ARCH ST	22
23	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	CHINA ART LTS. WEST ARCH ST	24
25	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	DAS IDF E2	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	DAS IDF E2	28
29	**A - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**			1600	**100**	**20**	**1**	**12**	**A - MEN'S TOWEL DISPENSER**	30
31	**A - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**	3000			**1500**	**20**	**1**	**10**	**A - MEN'S HAND DRYER**	32
33	**A - WOMEN'S SOAP POWER**	**12**	**1**	**20**	**500**		2000		**1500**	**20**	**1**	**10**	**A - MEN'S HAND DRYER**	34
35	**A - MEN'S SOAP POWER**	**12**	**1**	**20**	**500**			500	0	-	-	-	SPACE	36
37	SPACE	-	-	-	0	0			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		200		**200**	**20**	**1**	**12**	**A - WOMEN'S TOWEL DISPENSER**	40
41	SPACE	-	-	-	0			1500	**1500**	**20**	**1**	**10**	**A - WOMEN'S HAND DRYER**	42
NOTES: EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.						TOTALS 3000	2200	3600						
						8800 VA			24.43 AMPS					

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
RYAN M. ROGALA
ENGINEER
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REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 7

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E807

Scale NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-1A7 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 400A — MAIN: 250A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'B'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECEPT RM. 111	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	2
3	CONT. WEST RECEPTS. RM109	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	4
5	RECEPTS MR 109	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	8
9	RECEPTS. WEST (3)	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	10
11	RECEPTS. RM. 106 (5)	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	14
15	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	RECEPTS RM.	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	ATC CKT	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	28
29	EXISTING LOAD	(E)	1	20	0			0	0	-	-	-	SPACE	30
31	SPACE	-	-	-	0	0			0	-	-	-	SPACE	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	SPACE	-	-	-	0	0			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		0		0	50	2	(E)	E	40
41	SPACE	-	-	-	0			0	0					42
	TOTALS					0	0	0						
	0 VA												0.00 AMPS	

NOTES:

PANEL SCHEDULE

PANEL: RP-1A7 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 400A — MAIN: 250A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'B'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECEPT RM. 111	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	2
3	CONT. WEST RECEPTS. RM109	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	4
5	RECEPTS MR 109	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	8
9	RECEPTS. WEST (3)	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	10
11	RECEPTS. RM. 106 (5)	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	14
15	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	20
21	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	RECEPTS RM.	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	24
25	ATC CKT	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	28
29	EXISTING LOAD	(E)	1	20	0			500	**500**	**20**	**1**	**12**	**B - WOMEN'S SOAP POWER**	30
31	**B - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**200**	700			**500**	**20**	**1**	**12**	**B - MEN'S SOAP POWER**	32
33	**B - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**		1500		0	-	-	-	SPACE	34
35	**B - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**			1500	0	-	-	-	SPACE	36
37	**B - MEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**200**	200			0	-	-	-	SPACE	38
39	**B - MEN'S HAND DRYER**	**10**	**1**	**20**	**1500**		1500		0	50	2	(E)	E	40
41	**B - ELECTRIC WATER COOLER**	**12**	**1**	**20 (GFI)**	**600**			600	0					42
	TOTALS					900	3000	2600						
	6500 VA												18.04 AMPS	

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

PANEL SCHEDULE

PANEL: RP-3B6 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN: 100A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'P,N,O'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	SMOKE ALARM DOOR POWER	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	2
3	SMOKE ALARM DOOR POWER	(E)	1	20	0		0		0	20	1	-	SPARE	4
5	SMOKE ALARM DOOR POWER	(E)	1	20	0			0	0	20	1	-	SPARE	6
7	SMOKE ALARM DOOR POWER	(E)	1	20	0	0			0	20	1	-	SPARE	8
9	SPARE	-	1	20	0		0		0	20	1	-	SPARE	10
11	SPARE	-	1	20	0			0	0	20	1	-	SPARE	12
13	SPARE	-	1	20	0	0			0	20	1	-	SPARE	14
15	SPARE	-	1	20	0		0		0	20	1	-	SPARE	16
17	SPARE	-	1	20	0			0	0	20	1	-	SPARE	18
19	SPARE	-	1	20	0	0			0	20	1	-	SPARE	20
21	SPARE	-	1	20	0		0		0	20	1	-	SPARE	22
23	SPARE	-	1	20	0			0	0	20	1	-	SPARE	24
25	SPARE	-	1	20	0	0			0	20	1	-	SPARE	26
27	SPARE	-	1	20	0		0		0	20	1	-	SPARE	28
29	SPARE	-	1	20	0			0	0	20	1	-	SPARE	30
31	SPARE	-	1	20	0	0			0	20	1	-	SPARE	32
33	SPARE	-	1	20	0		0		0	20	1	-	SPARE	34
35	SPARE	-	1	20	0			0	0	20	1	-	SPARE	36
37	SPARE	-	1	20	0	0			0	20	1	-	SPARE	38
39	SPARE	-	1	20	0		0		0	20	1	-	SPARE	40
41	SPARE	-	1	20	0			0	0	20	1	-	SPARE	42
	TOTALS					0	0	0						
	0 VA												0.00 AMPS	

NOTES:

PANEL SCHEDULE

PANEL: RP-3B6 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN: 100A MCB

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'P,N,O'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	SMOKE ALARM DOOR POWER	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	2
3	SMOKE ALARM DOOR POWER	(E)	1	20	0		300		**300**	**20**	**1**	**12**	**N - WOMEN'S TOWEL DISPENSER**	4
5	SMOKE ALARM DOOR POWER	(E)	1	20	0			1500	**1500**	**20**	**1**	**8**	**N - WOMEN'S HAND DRYER**	6
7	SMOKE ALARM DOOR POWER	(E)	1	20	0	1500			**1500**	**20**	**1**	**8**	**N - WOMEN'S HAND DRYER**	8
9	**P - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**600**		900		**300**	**20**	**1**	**12**	**O - MEN'S TOWEL DISPENSER**	10
11	**P - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			3000	**1500**	**20**	**1**	**8**	**O - MEN'S HAND DRYER**	12
13	**P - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	3000			**1500**	**20**	**1**	**8**	**O - MEN'S HAND DRYER**	14
15	**P - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		2000		**500**	**20**	**1**	**12**	**P - MEN'S SOAP POWER**	16
17	**P - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			2000	**500**	**20**	**1**	**12**	**P - WOMEN'S SOAP POWER**	18
19	**P - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	2000			**500**	**20**	**1**	**12**	**N - WOMEN'S SOAP POWER**	20
21	**P - WOMEN'S ELECTRIC WATER COOLER**	**12**	**1**	**20 (GFI)**	**600**		1100		**500**	**20**	**1**	**12**	**O - MEN'S SOAP POWER**	22
23	**P - MEN'S ELECTRIC WATER COOLER**	**12**	**1**	**20 (GFI)**	**600**			600	0	20	1	-	SPARE	24
25	**P - MEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**600**	600			0	20	1	-	SPARE	26
27	**P - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		1500		0	20	1	-	SPARE	28
29	**P - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			1500	0	20	1	-	SPARE	30
31	**P - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	1500			0	20	1	-	SPARE	32
33	**P - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**		1500		0	20	1	-	SPARE	34
35	**P - MEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			1500	0	20	1	-	SPARE	36
37	SPARE	-	1	20	0	0			0	20	1	-	SPARE	38
39	SPARE	-	1	20	0		0		0	20	1	-	SPARE	40
41	SPARE	-	1	20	0			0	0	20	1	-	SPARE	42
	TOTALS					8600	7300	10100						
	26000 VA												72.17 AMPS	

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

CONVERSE WINKLER ARCHITECTURE
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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RYAN M. ROGALA — ENGINEER — PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 8

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E808

Scale: NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-3A19 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'M'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	EXISTING LOAD	(E)	1	20	0	0			0	-	-	-	SPACE	2
3	EXISTING LOAD	(E)	1	20	0		0		0	-	-	-	SPACE	4
5	EXISTING LOAD	(E)	1	20	0			0	0	-	-	-	SPACE	6
7	CEILING REC. BY COL & TEL REC EAST SIDE	(E)	1	20	0	0			0	-	-	-	SPACE	8
9	EXISTING LOAD	(E)	1	20	0		0		0	-	-	-	SPACE	10
11	2 TV FRONT OF B HALL	(E)	1	20	0			0	0	-	-	-	SPACE	12
13	SPACE	-	-	-	0	0			0	30	1	(E)	EXISTING LOAD	14
15	EXISTING LOAD	(E)	1	30	0		0		0	30	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	30	0			0	0	20	1	(E)	BRIDGE EAST REC	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	BRIDGE TV REC	20
21	BRIDGE RECEPT. WEST SIDE	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	BRIDGE RECEPT. WEST SIDE	(E)	1	20	0			0	0	20	1	(E)	EAST BRIDGE REC.	24
25	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	BRIDGE EAST REC.	28
29	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	BRIDGE RECPT. WEST SIDE	30
31	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	BRIDGE EAST REC.	32
33	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	34
35	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	BRIDGE EAST REC.	36
37	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	RECP. "O" ROOM	38
39	EXISTING LOAD	(E)	1	20	0		0		0	20	2	(E)	HWH "B" HALL	40
41	BRIDGE EAST REC	(E)	1	20	0			0	0					42
	NOTES:					TOTALS								
						0	0	0						
						0 VA			0.00 AMPS					

PANEL SCHEDULE

PANEL: RP-3A19 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 125A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'L&M'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	EXISTING LOAD	(E)	1	20	0	700			**700**	**20**	**1**	**12**	**L&M - TOWEL DISPENSERS & WOMEN'S SOAP POWER**	2
3	EXISTING LOAD	(E)	1	20	0		1500		**1500**	**20**	**1**	**12**	**L - WOMEN'S HAND DRYER**	4
5	EXISTING LOAD	(E)	1	20	0			1500	**1500**	**20**	**1**	**12**	**L - WOMEN'S HAND DRYER**	6
7	CEILING REC. BY COL & TEL REC EAST SIDE	(E)	1	20	0	1500			**1500**	**20**	**1**	**12**	**M - MEN'S HAND DRYER**	8
9	EXISTING LOAD	(E)	1	20	0		1500		**1500**	**20**	**1**	**12**	**M - MEN'S HAND DRYER**	10
11	2 TV FRONT OF B HALL	(E)	1	20	0			0	0	-	-	-	SPACE	12
13	**M - MENS ROOM RECEPT & SOAP POWER**	**12**	**1**	**20**	**680**	680			0	30	1	(E)	EXISTING LOAD	14
15	EXISTING LOAD	(E)	1	30	0		0		0	30	1	(E)	EXISTING LOAD	16
17	EXISTING LOAD	(E)	1	30	0			0	0	20	1	(E)	BRIDGE EAST REC	18
19	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	BRIDGE TV REC	20
21	BRIDGE RECEPT. WEST SIDE	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	22
23	BRIDGE RECEPT. WEST SIDE	(E)	1	20	0			0	0	20	1	(E)	EAST BRIDGE REC.	24
25	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	26
27	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	BRIDGE EAST REC.	28
29	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	BRIDGE RECPT. WEST SIDE	30
31	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	BRIDGE EAST REC.	32
33	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	34
35	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	BRIDGE EAST REC.	36
37	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	RECP. "O" ROOM	38
39	EXISTING LOAD	(E)	1	20	0		0		0	20	2	(E)	HWH "B" HALL	40
41	BRIDGE EAST REC	(E)	1	20	0			0	0					42
	NOTES:					TOTALS								
	EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.					2880	3000	1500						
						7380 VA			20.48 AMPS					

PANEL SCHEDULE

PANEL: RP-3B8 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'Q'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	REC BACK OFFICE	(E)	1	20	0	0			0	20	1	(E)	TELEPHONE ROOM	2
3	REC BACK OFFICE	(E)	1	20	0		0		0	20	1	(E)	TELEPHONE ROOM	4
5	COPIER MACH	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	AC & HEATING	(E)	1	20	0	0			0	20	2	(E)	A/C UNIT EXHIT SERVICES	8
9	CUBICAL SPARE	(E)	1	20	0		0		0					10
11	CUBICAL SPARE	(E)	1	20	0			0	0	20	2	(E)	A/C UNIT EXHIT SERVICES	12
13	CUBICAL SPARE	(E)	1	20	0	0			0					14
15	CUBICAL SPARE	(E)	1	20	0		0		0	20	1	-	SPARE	16
17	CUBICAL SPARE	(E)	1	20	0			0	0	20	1	-	SPARE	18
19	CUBICAL SPARE	(E)	1	20	0	0			0	20	1	-	SPARE	20
21	CUBICAL SPARE	(E)	1	20	0		0		0	20	1	-	SPARE	22
23	CUBICAL SPARE	(E)	1	20	0			0	0	20	1	-	SPARE	24
25	SPARE	-	1	20	0	0			0	20	1	-	SPARE	26
27	SPARE	-	1	20	0		0		0	20	1	-	SPARE	28
29	SPARE	-	1	20	0			0	0	20	1	-	SPARE	30
31	SPARE	-	1	20	0	0			0	20	1	-	SPARE	32
33	SPARE	-	1	20	0		0		0	20	1	-	SPARE	34
35	SPARE	-	1	20	0			0	0	20	1	-	SPARE	36
37	SPARE	-	1	20	0	0			0	20	1	-	SPARE	38
39	SPARE	-	1	20	0		0		0	20	1	-	SPARE	40
41	SPARE	-	1	20	0			0	0	20	1	-	SPARE	42
	NOTES:					TOTALS								
						0	0	0						
						0 VA			0.00 AMPS					

PANEL SCHEDULE

PANEL: RP-3B8 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'Q'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	REC BACK OFFICE	(E)	1	20	0	0			0	20	1	(E)	TELEPHONE ROOM	2
3	REC BACK OFFICE	(E)	1	20	0		0		0	20	1	(E)	TELEPHONE ROOM	4
5	COPIER MACH	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	AC & HEATING	(E)	1	20	0	0			0	20	2	(E)	A/C UNIT EXHIT SERVICES	8
9	CUBICAL SPARE	(E)	1	20	0		0		0					10
11	CUBICAL SPARE	(E)	1	20	0			0	0	20	2	(E)	A/C UNIT EXHIT SERVICES	12
13	CUBICAL SPARE	(E)	1	20	0	0			0					14
15	CUBICAL SPARE	(E)	1	20	0		300		**300**	**20**	**1**	**12**	**Q - MEN'S TOWEL DISPENSER**	16
17	CUBICAL SPARE	(E)	1	20	0			1500	**1500**	**20**	**1**	**12**	**Q - MEN'S HAND DRYER**	18
19	CUBICAL SPARE	(E)	1	20	0	1500			**1500**	**20**	**1**	**12**	**Q - MEN'S HAND DRYER**	20
21	CUBICAL SPARE	(E)	1	20	0		1500		**1500**	**20**	**1**	**12**	**Q - WOMEN'S HAND DRYER**	22
23	CUBICAL SPARE	(E)	1	20	0			1500	**1500**	**20**	**1**	**12**	**Q - WOMEN'S HAND DRYER**	24
25	SPARE	-	1	20	0	1500			**1500**	**20**	**1**	**12**	**Q - WOMEN'S HAND DRYER**	26
27	SPARE	-	1	20	0		300		**300**	**20**	**1**	**12**	**Q - WOMEN'S TOWEL DISPENSER**	28
29	SPARE	-	1	20	0			300	300	20	1	12	Q- MEN'S SINK SOAP POWER	30
31	SPARE	-	1	20	0	300			300	20	1	12	Q- WOMEN'S SINK SOAP POWER	32
33	SPARE	-	1	20	0		0		0	20	1	-	SPARE	34
35	SPARE	-	1	20	0			0	0	20	1	-	SPARE	36
37	SPARE	-	1	20	0	0			0	20	1	-	SPARE	38
39	SPARE	-	1	20	0		0		0	20	1	-	SPARE	40
41	SPARE	-	1	20	0			0	0	20	1	-	SPARE	42
	NOTES:					TOTALS								
	EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.					3300	2100	3300						
						8700 VA			24.15 AMPS					

1

1

CONVERSE WINKLER ARCHITECTURE
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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RYAN M. ROGALA — ENGINEER — PE067027

REVISIONS:

No.	Description	Date
1	ELEC UPDATE	11/08/19

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 9

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E809

Scale: NOT TO SCALE

PANEL SCHEDULE

PANEL: RP-4A1 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'Y'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	FIXTURES HALLWAY	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	2
3	LIGHTING MR 304	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	4
5	LIGHTING M5 305	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	8
9	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	10
11	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	14
15	RECEPT IDF S	(E)	1	20	0		0		0	20	1	-	SPARE	16
17	SPARE	-	1	20	0			0	0	20	1	-	SPARE	18
19	CISCO SWITCH	(E)	2	20	0	0			0	20	1	(E)	DAS IDF 5	20
21					0		0		0	20	1	(E)	DAS IDF 5	22
23	CISCO SWITCH	(E)	2	20	0			0	0	20	1	(E)	DAS IDF 5	24
25					0	0			0	20	1	(E)	DAS IDF 5	26
27	EXISTING LOAD	(E)	3	60	0		0		0	20	1	-	SPARE	28
29					0			0	0	20	1	-	SPARE	30
31					0	0			0	20	1	-	SPARE	32
33	SPARE	-	1	20	0		0		0	20	1	-	SPARE	34
35	SPARE	-	1	20	0			0	0	20	1	-	SPARE	36
37	SPARE	-	1	20	0	0			0	20	2	(E)	EXISTING LOAD	38
39	SPARE	-	2	20	0		0		0					40
41					0			0	0	20	1	-	SPARE	42

NOTES:

TOTALS: 0 | 0 | 0

0 VA

0.00 AMPS

PANEL SCHEDULE

PANEL: RP-4A4 - EXISTING CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'X'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECEPTS OFFICE 75W001	(E)	1	20	0	0			0	20	1	(E)	RECEPTS RM 309	2
3	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EBP	4
5	JANITOR CLOSET GEN RECEPT	(E)	1	20	0			0	0	20	1	(E)	MENS ROOM RECEPTS CORRIDOR	6
7	RECEPTS MR 307	(E)	1	20	0	0			0	20	1	(E)	LIGHTING MR 308	8
9	LIGHTING 75W001	(E)	1	20	0		0		0	20	1	(E)	LIGHTING MR 307	10
11	LIGHTING MR 307	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	BAS XFRMR IN HALLWAY	14
15	WALL CAMERA	(E)	1	20	0		0		0					16
17	CISCO SWITCH	(E)	2	20	0			0	0	20	2	-	HEATER RM 310	18
19					0	0			0	20	1	-	SPARE	20
21	CISCO SWITCH	(E)	2	20	0		0		0	20	1	-	SPARE	22
23					0			0	0	20	1	-	SPARE	24
25	CISCO SWITCH	(E)	2	20	0	0			0					26
27					0		0		0	100	3	(E)	EXISTING LOAD	28
29	CISCO SWITCH	(E)	2	20	0			0	0					30
31					0	0			0	-	-	-	SPACE	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	SPACE	-	-	-	0	0			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42

NOTES:

TOTALS: 0 | 0 | 0

0 VA

0.00 AMPS

PANEL SCHEDULE

PANEL: RP-4A1 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'Y'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	FIXTURES HALLWAY	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	2
3	LIGHTING MR 304	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	4
5	LIGHTING M5 305	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	6
7	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	8
9	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EXISTING LOAD	10
11	EXISTING LOAD	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	EXISTING LOAD	14
15	RECEPT IDF S	(E)	1	20	0		0		0	20	1	-	SPARE	16
17	SPARE	-	1	20	0			0	0	20	1	-	SPARE	18
19	CISCO SWITCH	(E)	2	20	0	0			0	20	1	(E)	DAS IDF 5	20
21					0		0		0	20	1	(E)	DAS IDF 5	22
23	CISCO SWITCH	(E)	2	20	0			0	0	20	1	(E)	DAS IDF 5	24
25					0	0			0	20	1	(E)	DAS IDF 5	26
27	EXISTING LOAD	(E)	3	60	0		100		**100**	**20**	**1**	**12**	**Y - MEN'S TOWEL DISPENSER**	28
29					0			1500	**1500**	**20**	**1**	**10**	**Y - MEN'S HAND DRYER**	30
31					0	1500			**1500**	**20**	**1**	**10**	**Y - MEN'S HAND DRYER**	32
33	**Y - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**100**		100		0	20	1	-	SPARE	34
35	**Y - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**			2000	**500**	**20**	**1**	**12**	**Y - MEN'S SOAP POWER**	36
37	**Y - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**	1500			0					38
39	SPARE	-	2	20	0		0		0	20	2	(E)	EXISTING LOAD	40
41					0			500	**500**	**20**	**1**	**12**	**Y - WOMEN'S SOAP POWER**	42

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

TOTALS: 3000 | 200 | 4000

7200 VA

19.98 AMPS

PANEL SCHEDULE

PANEL: RP-4A4 - PROPOSED CONDITIONS — MOUNTING: SURFACE

VOLTAGE: 208Y/120V — PHASE: 3 — WIRE: 4 — BUS AMPS: 225A — MAIN:

NEMA 1 — NEUTRAL: 100% — COPPER GROUND BUS - ISOLATED GROUND — LOCATION: ELEC ROOM FOR 'X'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	RECEPTS OFFICE 75W001	(E)	1	20	0	0			0	20	1	(E)	RECEPTS RM 309	2
3	EXISTING LOAD	(E)	1	20	0		0		0	20	1	(E)	EBP	4
5	JANITOR CLOSET GEN RECEPT	(E)	1	20	0			0	0	20	1	(E)	MENS ROOM RECEPTS CORRIDOR	6
7	RECEPTS MR 307	(E)	1	20	0	0			0	20	1	(E)	LIGHTING MR 308	8
9	LIGHTING 75W001	(E)	1	20	0		0		0	20	1	(E)	LIGHTING MR 307	10
11	LIGHTING MR 307	(E)	1	20	0			0	0	20	1	(E)	EXISTING LOAD	12
13	EXISTING LOAD	(E)	1	20	0	0			0	20	1	(E)	BAS XFRMR IN HALLWAY	14
15	WALL CAMERA	(E)	1	20	0		0		0					16
17	CISCO SWITCH	(E)	2	20	0			0	0	20	2	-	HEATER RM 310	18
19					0	0			0	20	1	-	SPARE	20
21	CISCO SWITCH	(E)	2	20	0		0		0	20	1	-	SPARE	22
23					0			0	0	20	1	-	SPARE	24
25	CISCO SWITCH	(E)	2	20	0	0			0					26
27					0		0		0	100	3	(E)	EXISTING LOAD	28
29	CISCO SWITCH	(E)	2	20	0			0	0					30
31					0	100			**100**	**20**	**1**	**12**	**X - MEN'S TOWEL DISPENSER**	32
33	**X - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**100**		1600		**1500**	**20**	**1**	**12**	**X - MEN'S HAND DRYER**	34
35	**X - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**			3000	**1500**	**20**	**1**	**12**	**X - MEN'S HAND DRYER**	36
37	**X - WOMEN'S HAND DRYER**	**12**	**1**	**20**	**1500**	1500			0	-	-	-	SPACE	38
39	**X - WOMEN'S SOAP POWER**	**12**	**1**	**20**	**500**		1000		**500**	**20**	**1**	**12**	**X - MEN'S SOAP POWER**	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

TOTALS: 1600 | 2600 | 3000

7200 VA

19.98 AMPS

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
BALA CYNWYD, PA 19144

MEP ENGINEERS:

Arora Engineers, Inc.
61 Wilmington-West Chester Pike | Chadds Ford, PA 19317
P (610) 459-7900 | F (610) 459-7950 | aroraengineers.com

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STRUCTURAL ENGINEERS:
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1341 NORTH DELAWARE AVENUE,
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Ph: 215.427.8700
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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — RYAN M. ROGALA — ENGINEER PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

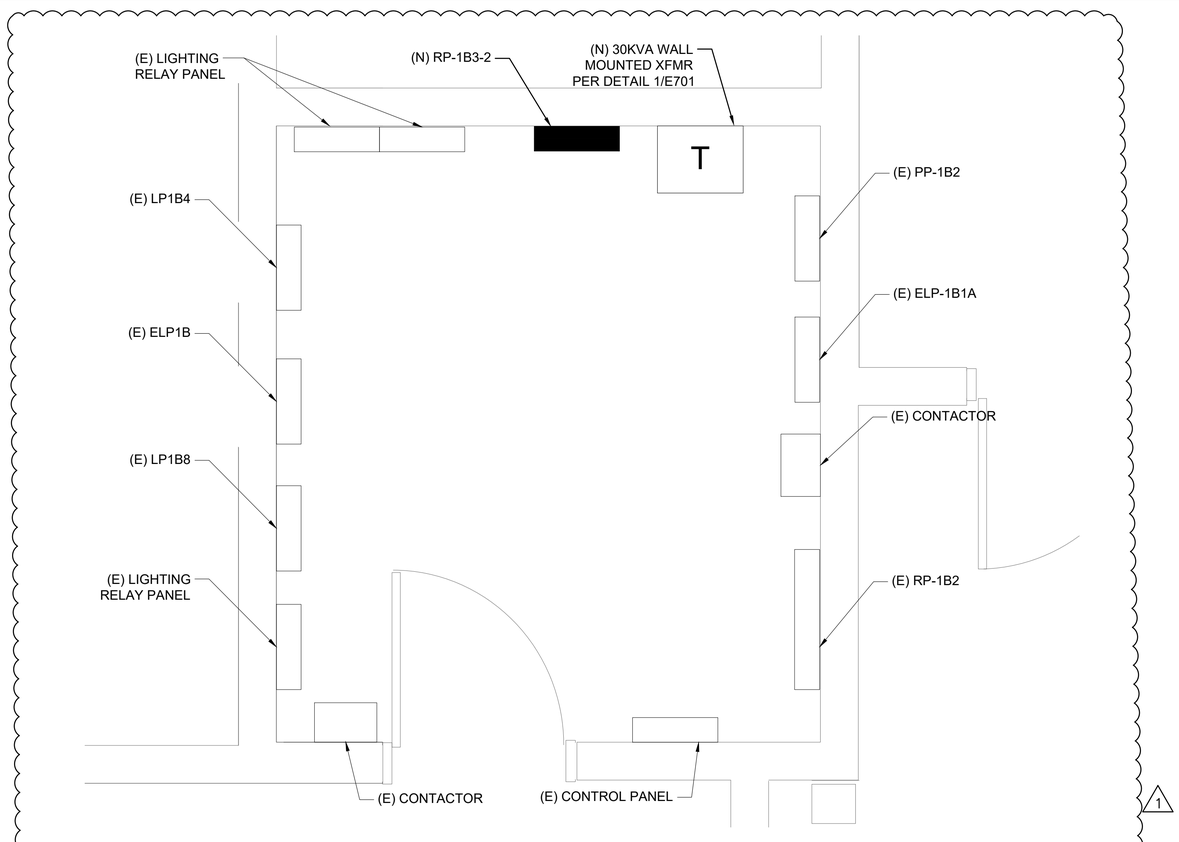
1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 10

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E810

Scale: NOT TO SCALE



1 E811 **ELECTRICAL RM 1E-51**
SCALE: 3/4" = 1'-0"

PANEL SCHEDULE

PANEL: NEW RP-1B3-2 - PROPOSED CONDITIONS | INTERRUPTING RATING: 22 KAIC | MOUNTING: SURFACE
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | BUS AMPS: 100A | MAIN: 80A MCB
NEMA 1 | NEUTRAL: 100% | COPPER GROUND BUS - ISOLATED GROUND | LOCATION: ELEC ROOM FOR 'G&H'

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	**G - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**200**	400			**200**	**20**	**1**	**12**	**H - MEN'S TOWEL DISPENSER**	2
3	**G - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**		3000		**1500**	**20**	**1**	**12**	**H - MEN'S HAND DRYER**	4
5	**G - WOMEN'S HAND DRYER**	**10**	**1**	**20**	**1500**			3000	**1500**	**20**	**1**	**12**	**H - MEN'S HAND DRYER**	6
7	**G - MEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**200**	400			**200**	**20**	**1**	**12**	**H - WOMEN'S TOWEL DISPENSER**	8
9	**G - MEN'S HAND DRYER**	**10**	**1**	**20**	**1500**		3000		**1500**	**20**	**1**	**12**	**H - WOMEN'S HAND DRYER**	10
11	**G - MEN'S HAND DRYER**	**10**	**1**	**20**	**1500**			3000	**1500**	**20**	**1**	**12**	**H - WOMEN'S HAND DRYER**	12
13	**G - ELECTRIC WATER COOLER**	**12**	**1**	**20 (GFI)**	**600**	1200			**600**	**20 (GFI)**	**1**	**12**	**H - ELECTRIC WATER COOLER**	14
15	**G - WOMEN'S SINK/ SOAP POWER**	**12**	**1**	**20**	**500**		1000		**500**	**20**	**1**	**12**	**G - MEN'S SINK/ SOAP POWER**	16
17	SPACE	-	-	-	0			500	**500**	**20**	**1**	**12**	**H - MEN'S SOAP POWER**	18
19	SPACE	-	-	-	0	500			**500**	**20**	**1**	**12**	**H - WOMEN'S SOAP POWER**	20
21	SPACE	-	-	-	0		0		0	-	-	-	SPACE	22
23	SPACE	-	-	-	0			0	0	-	-	-	SPACE	24
25	SPACE	-	-	-	0	0			0	-	-	-	SPACE	26
27	SPACE	-	-	-	0		0		0	-	-	-	SPACE	28
29	SPACE	-	-	-	0			0	0	-	-	-	SPACE	30
31	SPACE	-	-	-	0	0			0	-	-	-	SPACE	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	SPACE	-	-	-	0	0			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42

NOTES:
EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

TOTALS: 2500 | 7000 | 6500 — 16000 VA — 44.41 AMPS

1

PANEL SCHEDULE

PANEL: PP-1B2 - EXISTING CONDITIONS | INTERRUPTING RATING: KAIC | MOUNTING: SURFACE
VOLTAGE: 480Y/277V | PHASE: 3 | WIRE: 4 | BUS AMPS: 225A | MAIN: MLO
NEMA 1 | NEUTRAL: 100% | COPPER GROUND BUS - ISOLATED GROUND | LOCATION: ELEC ROOM FOR G&H

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	SPACE	-	-	-	0	0			0	-	-	-	SPACE	2
3	SPACE	-	-	-	0		0		0	-	-	-	SPACE	4
5	SPARE	-	1	20	0			0	0	-	-	-	SPACE	6
7	SPARE	-	1	20	0	0			0	20	1	-	SPARE	8
9	SPARE	-	1	20	0		0		0	20	1	-	SPARE	10
11	SPARE	-	1	20	0			0	0	20	1	-	SPARE	12
13					0	0			0					14
15	FCU 4	(E)	3	20	0		0		0	20	3	(E)	EX FAN ELECT RM	16
17					0			0	0					18
19					0	0			0					20
21	SPARE	-	3	40	0		0		0	20	3	(E)	EX FAN PUMP RM	22
23					0			0	0					24
25					0	0			0					26
27	CONCESSION GATE	(E)	3	20	0		0		0	30	3	(E)	WATER HEATER CONCESSION STAND	28
29					0			0	0					30
31					0	0			0					32
33	OH DOOR STORAGE RM	(E)	3	20	0		0		0	20	3	(E)	OH DOOR EXHIBIT HALL	34
35					0			0	0					36
37					0	0			0					38
39	OH DOOR RAMP TO EXHIBIT HALL	(E)	3	20	0		0		0	20	3	(E)	OVERHEAD DOOR RACK	40
41					0			0	0					42

NOTES:

TOTALS: 0 | 0 | 0 — 0 VA — 0.00 AMPS

PANEL SCHEDULE

PANEL: PP-1B2 - PROPOSED CONDITIONS | INTERRUPTING RATING: KAIC | MOUNTING: SURFACE
VOLTAGE: 480Y/277V | PHASE: 3 | WIRE: 4 | BUS AMPS: 225A | MAIN: MLO
NEMA 1 | NEUTRAL: 100% | COPPER GROUND BUS - ISOLATED GROUND | LOCATION: ELEC ROOM FOR G&H

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	SPACE	-	-	-	0	2000			2000					2
3	SPACE	-	-	-	0		7000		7000	**45**	**3**	**(3) #6 CU & (1) #10GND**	**SUB-FEED TO XFMR FOR RP-1B3-2**	4
5	SPARE	-	1	20	0			6000	6000					6
7	SPARE	-	1	20	0	0			0	20	1	-	SPARE	8
9	SPARE	-	1	20	0		0		0	20	1	-	SPARE	10
11	SPARE	-	1	20	0			0	0	20	1	-	SPARE	12
13					0	0			0					14
15	FCU 4	(E)	3	20	0		0		0	20	3	(E)	EX FAN ELECT RM	16
17					0			0	0					18
19					0	0			0					20
21	SPARE	-	3	40	0		0		0	20	3	(E)	EX FAN PUMP RM	22
23					0			0	0					24
25					0	0			0					26
27	CONCESSION GATE	(E)	3	20	0		0		0	30	3	(E)	WATER HEATER CONCESSION STAND	28
29					0			0	0					30
31					0	0			0					32
33	OH DOOR STORAGE RM	(E)	3	20	0		0		0	20	3	(E)	OH DOOR EXHIBIT HALL	34
35					0			0	0					36
37					0	0			0					38
39	OH DOOR RAMP TO EXHIBIT HALL	(E)	3	20	0		0		0	20	3	(E)	OVERHEAD DOOR RACK	40
41					0			0	0					42

NOTES:

TOTALS: 2000 | 7000 | 6000 — 15000 VA — 18.04 AMPS

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVE
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Arora Engineers, Inc.
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Contact: Kevin Sultanik
e-mail: ksultanik@aroraengineers.com

STRUCTURAL ENGINEERS:
CSA GROUP
1341 NORTH DELAWARE AVENUE, SUITE 507
PHILADELPHIA, PA 19125
Ph: 215.427.8700
Fax: 215.427.8752
Contact: Wing Au
e-mail: wau@csagroup.com

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RYAN M. ROGALA — ENGINEER — PE067027

REVISIONS:

No.	Description	Date
1	ELEC UPDATE	11/08/19

PENNSYLVANIA CONVENTION CENTER
RESTROOM RENOVATIONS
1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 11

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	HL

E811

Scale NOT TO SCALE

PANEL SCHEDULE

PANEL:	NEW RP-3A4-2 - PROPOSED CONDITIONS			INTERRUPTING RATING:	22 KAIC						MOUNTING: SURFACE			
VOLTAGE:	208Y/120V	PHASE:	3		WIRE: 4		BUS AMPS: 125A				MAIN: 125A MCB			
NEMA	1	NEUTRAL:	100%	COPPER GROUND BUS - ISOLATED GROUND							LOCATION: ELEC ROOM FOR 'J&K'			

CIRCUIT	DESCRIPTION	WIRE	POLES	BKR SIZE	VA	VA / PHASE A	VA / PHASE B	VA / PHASE C	VA	BKR SIZE	POLES	WIRE	DESCRIPTION	CIRCUIT
1	**K - WOMEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**500**	1100			**600**	**20**	**1**	**12**	**J - MEN'S TOWEL DISPENSER**	2
3	**K - WOMEN'S HAND DRYER**	**8**	**1**	**20**	**1500**		3000		**1500**	**20**	**1**	**12**	**J - MEN'S HAND DRYER**	4
5	**K - WOMEN'S HAND DRYER**	**8**	**1**	**20**	**1500**			3000	**1500**	**20**	**1**	**12**	**J - MEN'S HAND DRYER**	6
7	**K - WOMEN'S HAND DRYER**	**8**	**1**	**20**	**1500**	3000			**1500**	**20**	**1**	**12**	**J - MEN'S HAND DRYER**	8
9	**K - WOMEN ELEC WATER COOLER**	**12**	**1**	**20 (GFI)**	**600**		2100		**1500**	**20**	**1**	**12**	**J - MEN'S HAND DRYER**	10
11	**K - MEN'S TOWEL DISPENSER**	**12**	**1**	**20**	**500**			2000	**1500**	**20**	**1**	**12**	**J - MEN'S HAND DRYER**	12
13	**K - MEN'S HAND DRYER**	**8**	**1**	**20**	**1500**	2100			**600**	**20 (GFI)**	**1**	**12**	**J - MEN ELEC WATER COOLER**	14
15	**K - MEN'S HAND DRYER**	**8**	**1**	**20**	**1500**		2100		**600**	**20**	**1**	**12**	**J - WOMEN'S TOWEL DISPENSER**	16
17	**K - MEN'S HAND DRYER**	**8**	**1**	**20**	**1500**			3000	**1500**	**20**	**1**	**12**	**J - WOMEN'S HAND DRYER**	18
19	**K - MEN ELEC WATER COOLER**	**12**	**1**	**20 (GFI)**	**600**	2100			**1500**	**20**	**1**	**12**	**J - WOMEN'S HAND DRYER**	20
21	**K - GFI RECEPTS**	**12**	**1**	**20**	**360**		1860		**1500**	**20**	**1**	**12**	**J - WOMEN'S HAND DRYER**	22
23	**K - MEN'S SOAP POWER**	**12**	**1**	**20**	**500**			2000	**1500**	**20**	**1**	**12**	**J - WOMEN'S HAND DRYER**	24
25	**K - WOMEN'S SOAP POWER**	**12**	**1**	**20**	**500**	2000			**1500**	**20**	**1**	**12**	**J - WOMEN'S HAND DRYER**	26
27	SPACE	-	-	-	0		600		**600**	**20 (GFI)**	**1**	**12**	**J - WOMEN ELEC WATER COOLER**	28
29	SPACE	-	-	-	0			500	**500**	**20**	**1**	**12**	**J - MEN'S SOAP POWER**	30
31	SPACE	-	-	-	0	500			**500**	**20**	**1**	**12**	**J - WOMEN'S SOAP POWER**	32
33	SPACE	-	-	-	0		0		0	-	-	-	SPACE	34
35	SPACE	-	-	-	0			0	0	-	-	-	SPACE	36
37	SPACE	-	-	-	0	0			0	-	-	-	SPACE	38
39	SPACE	-	-	-	0		0		0	-	-	-	SPACE	40
41	SPACE	-	-	-	0			0	0	-	-	-	SPACE	42
						TOTALS								
						10800	9660	10500						
						30960 VA								

NOTES:

EC SHALL INSTALL A EQUIPMENT GROUNDING CONDUCTOR WITH EACH CIRCUIT IN ACCORDANCE WITH NEC 250.122.

85.93 AMPS

CONVERSE WINKLER ARCHITECTURE
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MEP ENGINEERS:

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STRUCTURAL ENGINEERS:
CSA GROUP
1341 NORTH DELAWARE AVENUE,
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COMMONWEALTH OF PENNSYLVANIA
Registered
RYAN M. ROGALA
ENGINEER
PE069727

REVISIONS:

No.	Description	Date

PENNSYLVANIA CONVENTION CENTER

RESTROOM RENOVATIONS

1101 ARCH STREET, PHILADELPHIA, PA 19107

ELECTRICAL PANEL SCHEDULES - SHEET 12

Project number	CW1615
Date	November 25, 2019
Drawn by	RR,AS
Checked by	JV

E812

Scale NOT TO SCALE