GENERAL NOTES:

1. ALL OUTLETS AND/OR OPENINGS FOR CABLE TV AND/OR LOW VOLTAGE SYSTEMS INSTALLED IN FIRE RATED WALLS BACK TO BACK SHALL BE SEPARATED BY 24" MINIMUM OR BE PROTECTED WITH "PUTTY PADS" PER 2009 INTERNATIONAL BUILDING CODE SECTION 713.3.2

2. CONTRACTOR SHALL ROUGH IN BOXES IN ONE OF EACH UNIT TYPE FOR REVIEW IN THE FIELD BY THE OWNER.

3. MINIMUM WIRE SIZE IS #12 AWG - #14 AWG WIRE IS NOT PERMITTED.

4. PROVIDE AIR-VAPOR BARRIER ELECTRICAL BOXES AT EXTERIOR WALLS. LESSCO OR EQUIVALENT.

5. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN TO COORDINATE THE LOCATION OF LIGHTING FIXTURES.

6. ALL PRODUCTS OF COMBUSTION DETECTORS (SMOKE DETECTORS) SHALL PROVIDE BOTH AUDIO AND VISUAL ALARMS.

7. ALL WIRING PENETRATING INTO BUILDING THERMAL ENVELOPE COMPONENTS SHALL BE PROPERLY "AIR-SEALED".

8. SWITCHES FOR RANGE HOOD FAN AND LIGHT SHALL BE MOUNTED AT COUNTER HEIGHT.

9. ELECTRICAL PANELS SHALL BE MOUNTED WITH THE TOP BREAKER NOT HIGHER THAN 48" AFF FOR ACCESSIBLE UNITS.

10. UNIT THERMOSTATS SHALL BE MOUNTED NOT HIGHER THAN 48" AFF FOR ADA UNITS.

ELECTRICAL KEY NOTES

1. SWITCHES, OUTLETS, TEL JACKS AND TV JACKS TO BE STAGGERED IN COMMON WALLS BETWEEN UNITS TYPICAL. PROVIDE PUTTY PADS AND/OR USE FIRE RATED BOXES IN INSTANCES WHERE DEVICES CANNOT BE PROPERLY STAGGERED.

2. REFER TO INTERCOM RISER DIAGRAM SHEET E3.01 FOR ADDITIONAL INFORMATION

UNIT FIRE ALARM NOTES:

1. SUPERVISED CENTRAL SYSTEM ACTIVATION ALL SYSTEM AUDIO/VISUAL AND VISUAL ONLY DEVICES SHALL ALARM.

2. WHEN UNIT SMOKE DETECTOR GOES INTO ALARM ALL SINGLE STATION AUDIO/VISUAL AND VISUAL ONLY DEVICES WITHIN THAT UNIT WILL ACTIVATE. THIS WILL NOT ACTIVATE THE ENTIRE BUILDING SYSTEM.

3. THE WALL MOUNTED HORN/STROBES WITHIN THE LIVING UNITS SHALL BE CONNECTED TO THE SUPERVISED CENTRAL SYSTEM.

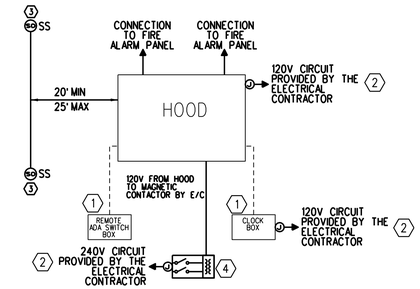
4. INTERCONNECT ALL 120 VOLT SINGLE STATION SMOKE DETECTORS WITHIN EACH LIVING UNIT. ALL INTERCONNECTED SMOKE DETECTORS SHALL BE ON THE SAME CIRCUIT FOR PROPER OPERATION. REFER TO MANUFACTURER'S INSTALLATION MANUAL AND MOUNT DETECTORS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

5. CARBON MONOXIDE DETECTORS (120V) IN RESIDENCES SHALL BE INSTALLED AT LEAST 10 FEET FROM ANY HEAT SOURCE.

6. INTERCONNECT ALL 120 VOLT CARBON MONOXIDE (CO) DETECTORS WITHIN EACH LIVING UNIT. ALL INTERCONNECTED CO DETECTORS SHALL BE ON THE SAME CIRCUIT FOR PROPER OPERATION. REFER TO MANUFACTURER'S INSTALLATION MANUAL AND MOUNT DETECTORS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CO DETECTORS SHALL HAVE AN ALARM SOUND THAT IS DIFFERENT THAN THE LIVING UNIT SMOKE DETECTORS AND FIRE ALARM SYSTEM ALARMS.

AUDIBLE ALARM Db LEVELS SHALL COMPLY WITH NFPA 72.

8. A/V DEVICES IN BEDROOMS SHALL BE 177Cd.



LIGHT COMMERCIAL HOOD WIRING DETAIL

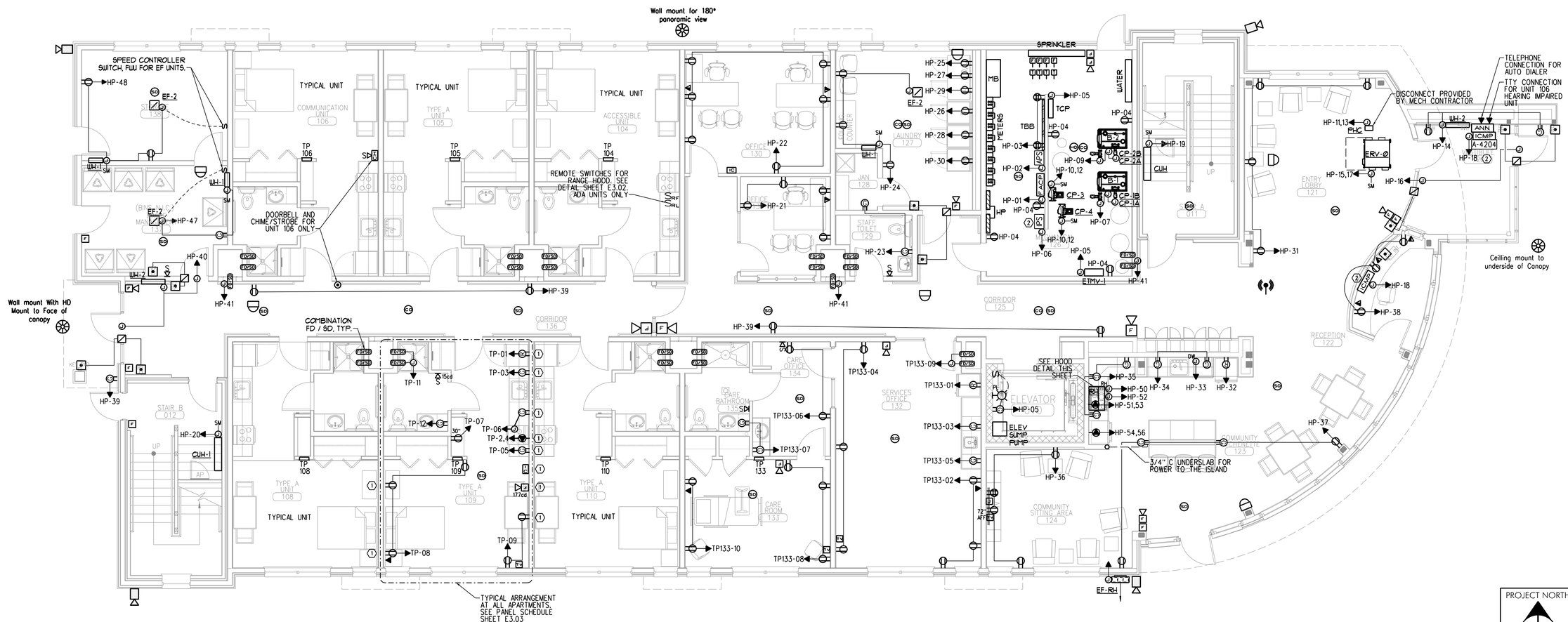
SCALE: NONE

NOTES:

1. EQUIPMENT AND CONNECTING WIRING PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. REFER TO DRAWINGS AND PANEL SCHEDULES FOR PANEL, CIRCUIT NUMBERS AND BREAKER SIZING.
3. NOT LESS THAN TWO AC POWERED PHOTOELECTRIC SMOKE ALARMS WITH BATTERY BACKUP, INTERCONNECTED IN ACCORDANCE WITH 9.6.2.10.3, AND EQUIPPED WITH A SILENCE FEATURE ARE LOCATED NOT CLOSER THAN 20FT (6.1m) AND NOT FURTHER THAN 25' (7.6m) FROM THE COOKTOP OR RANGE.

   THE SMOKE ALARMS REQUIRED BY 18.3.2.5.3(11) ARE PERMITTED TO BE LOCATED OUTSIDE THE KITCHEN AREA WHERE SUCH PLACEMENT IS NECESSARY FOR COMPLIANCE WITH THE 20FT (6.1m) MINIMUM DISTANCE CRITERION.

   NOTES TAKEN FROM NFPA 101, 2012, CHAPTER 18
4. ELECTRICAL CONTRACTOR TO PROVIDE MAGNETIC CONTACTOR, 120VAC COIL VOLTS, 32 FULL LOAD AMPS-INDUCTIVE TO CONTROL POWER TO THE COOKTOP. COORDINATE WIRING AND INSTALLATION WITH MECHANICAL CONTRACTOR AND HOOD MANUFACTURER PRIOR TO ROUGH IN.



E1 FIRST FLOOR ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

PROJECT NORTH

DRAWING NUMBER **E2.01**

SCALE: AS NOTED

DATE: 01/08/2016

ISSUED FOR BID

CWS ARCHITECTURE | INTERIOR DESIGN
ARCHITECTURE | INTERIOR DESIGN
434 Cumberland Avenue Portland ME 04101
OFFICE: 207 774 4441 CWSARCH.COM

Reviewed for Code Compliance Inspection Division Date: 06/08/17

DESIGNER

STATE OF MAINE STEVEN A. NOVASON #9488 LICENSED PROFESSIONAL ENGINEER

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(207) 882-5475

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PROJECT

BISHOP STREET APARTMENTS
72 BISHOP STREET PORTLAND, MAINE 04101

DRAWING

FIRST FLOOR ELECTRICAL PLAN

CWS PROJECT NUMBER: 14.013

REVISIONS

GENERAL NOTES:

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ELECTRICAL KEY NOTES

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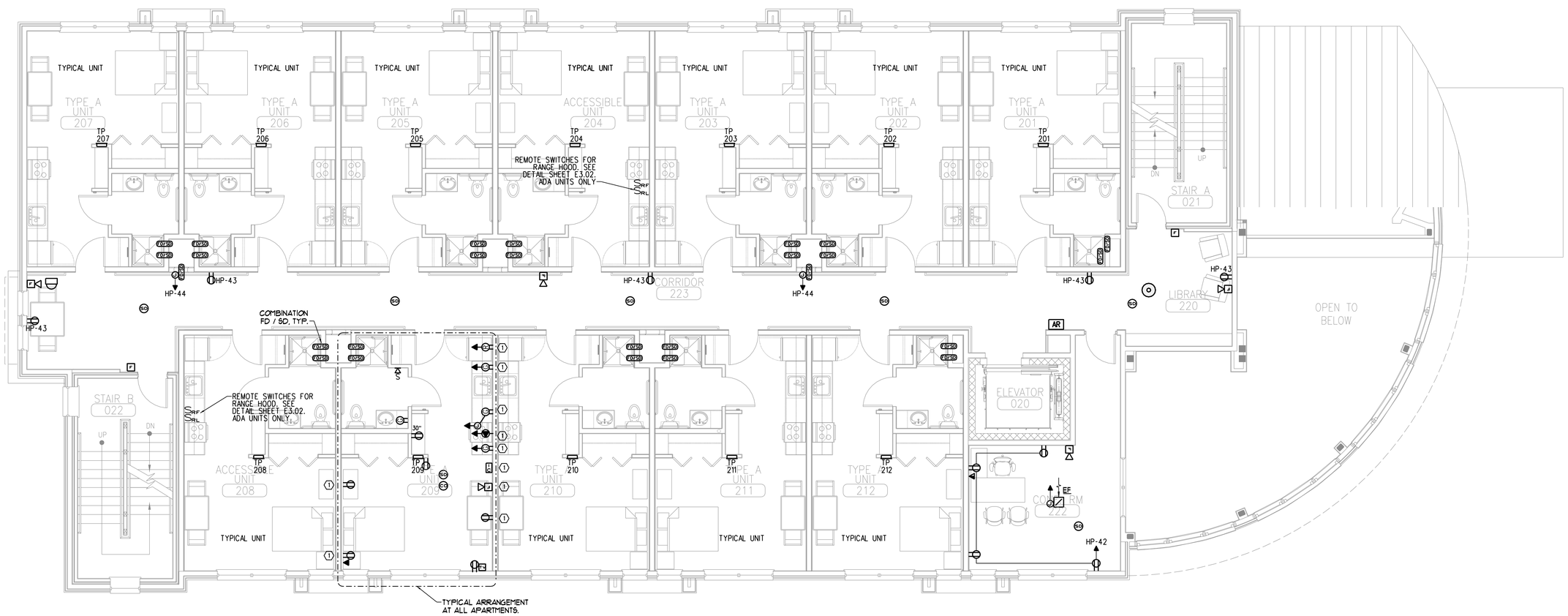

E1 SECOND FLOOR ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"

PROJECT NORTH

CWS ARCHITECTURE | INTERIOR DESIGN
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434 Cumberland Avenue Portland ME 04101
OFFICE: 207 774 4441 CWSARCH.COM

Reviewed for Code Compliance Inspections Division Approved as Noted
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PROJECT

BISHOP STREET APARTMENTS
72 BISHOP STREET PORTLAND, MAINE 04101

DRAWING

SECOND FLOOR ELECTRICAL PLAN

CWS PROJECT NUMBER: 14.013

REVISIONS

DRAWING NUMBER
E2.02

SCALE: AS NOTED
DATE: 01/08/2016

ISSUED FOR BID

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2. MDA-ERK2125 19" DATA RACK WITH MDA-FD21 SOLID DOOR, MDA-QFAN FAN, MDA-PDT1015CRN 10 OUTLET POWER STRIP AND CAT 6 PATCH PANEL. ONE DATA JACK WILL BE REQUIRED FOR INTERNET CONNECTIVITY. SECURADYNE SYSTEMS TO PROVIDE POE SWITCH AND RECORDER.

3. PROVIDE INDICATED EQUIPMENT AT TOP LANDING OF ELEVATOR SHAFT. COORDINATE EXACT LOCATIONS WITH ELEVATOR VENDOR DRAWINGS.

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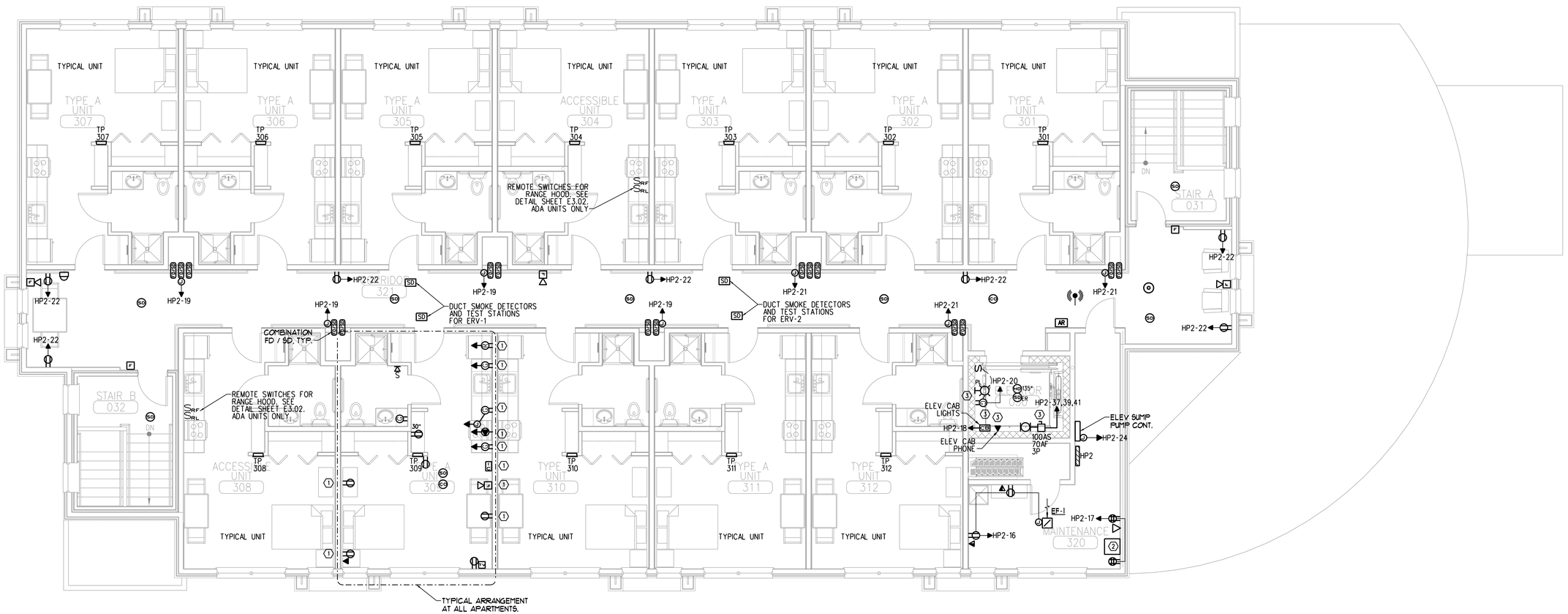

E1 THIRD FLOOR ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"

PROJECT NORTH

DRAWING NUMBER
E2.03

SCALE: AS NOTED
DATE: 01/08/2016

ISSUED FOR BID

CWS ARCHITECTURE
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PROJECT

BISHOP STREET APARTMENTS
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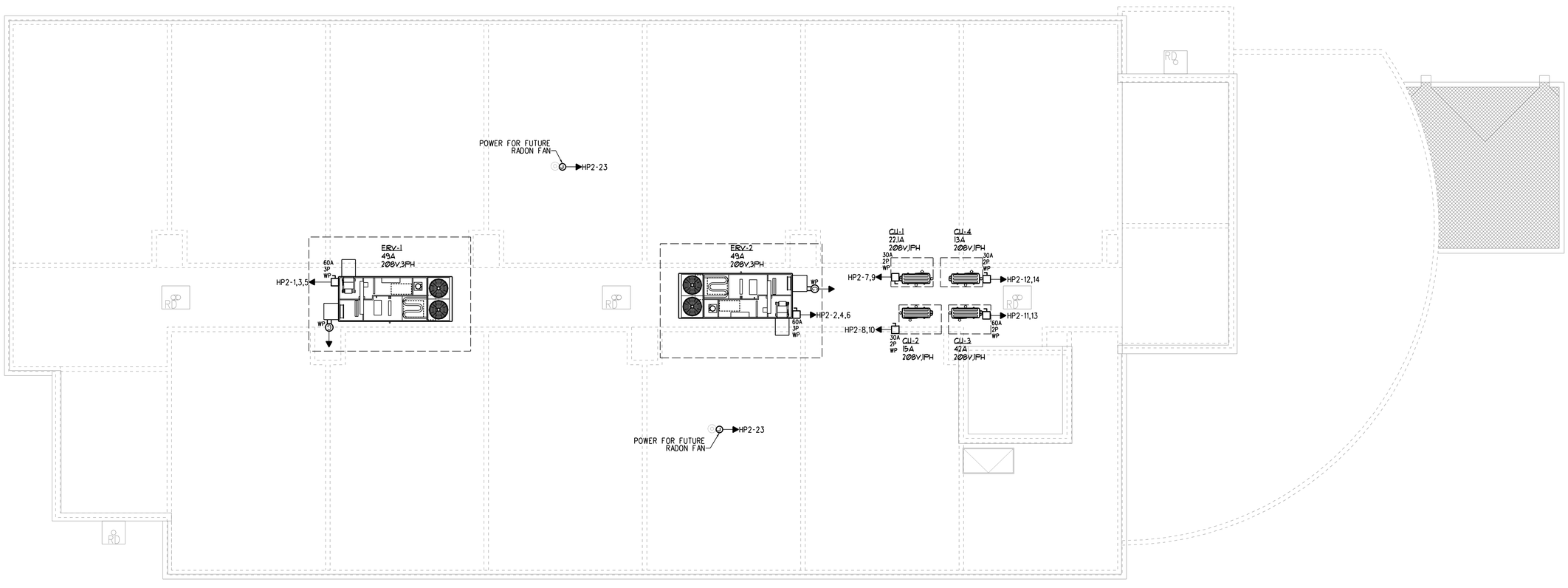
DRAWING

THIRD FLOOR ELECTRICAL PLAN
CWS PROJECT NUMBER: 14.013

REVISIONS



E1 ROOF ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

PROJECT NORTH

CWS ARCHITECTURE | INTERIOR DESIGN

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Reviewed for Code Compliance Inspections Division Approved as Noted Date: 06/08/17

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PROJECT

BISHOP STREET APARTMENTS

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DRAWING

ROOF ELECTRICAL PLAN

CWS PROJECT NUMBER: 14.013

REVISIONS

DRAWING NUMBER

E2.04

SCALE: AS NOTED

DATE: 01/08/2016

ISSUED FOR BID