

**GENERAL NOTES:**

- A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.
- B. UTILITY SERVICE ENTRANCE CONDUIT SIZE AND ROUTING TO BE CONFIRMED WITH OWNER SELECTED UTILITIES.
- C. COORDINATE WITH LOCAL UTILITY PROVIDER FOR DEPTH AND CONDUIT BEND REQUIREMENTS.
- D. CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES BEFORE TRENCHING. COORDINATE WITH CIVIL.



**1** SITE PLAN - SOUTH BUILDING  
 T1.01 SCALE: 3/32" = 1'-0"

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 CONSTRUCTION



CARLETON HART ARCHITECTURE P.C.  
 830 SW 10th Avenue #200 Portland Oregon 97205  
 503.243.2252 www.carletonhart.com

SUSAN EMMONS - SOUTH BUILDING  
 1727 NW HOYT STREET, PORTLAND, OR  
 NORTHWEST HOUSING ALTERNATIVES  
 CONSTRUCTION DOCUMENT  
 CHECK SET

TECHNOLOGY  
 SITE PLAN

PROJECT NO.  
 17004

09/16/2020

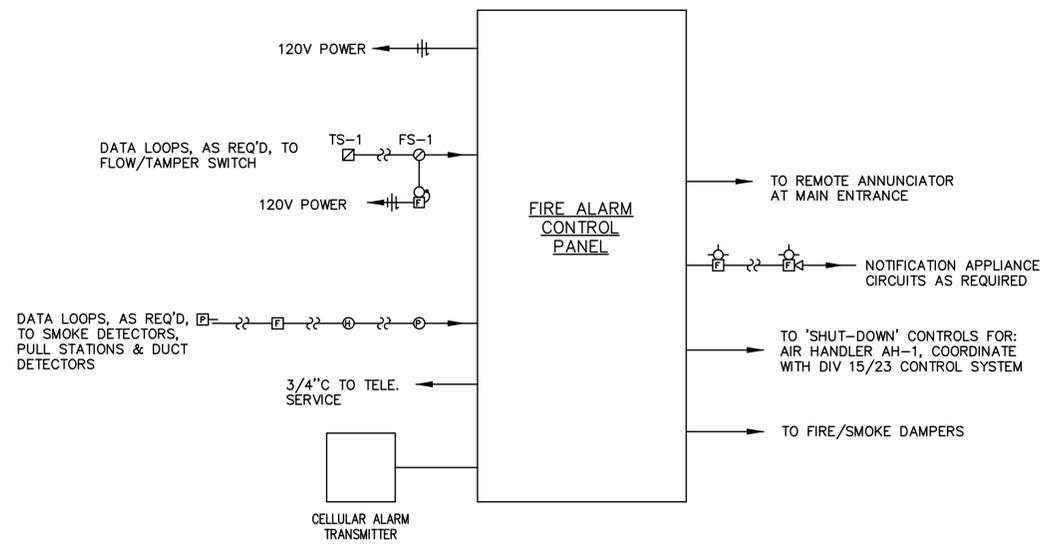
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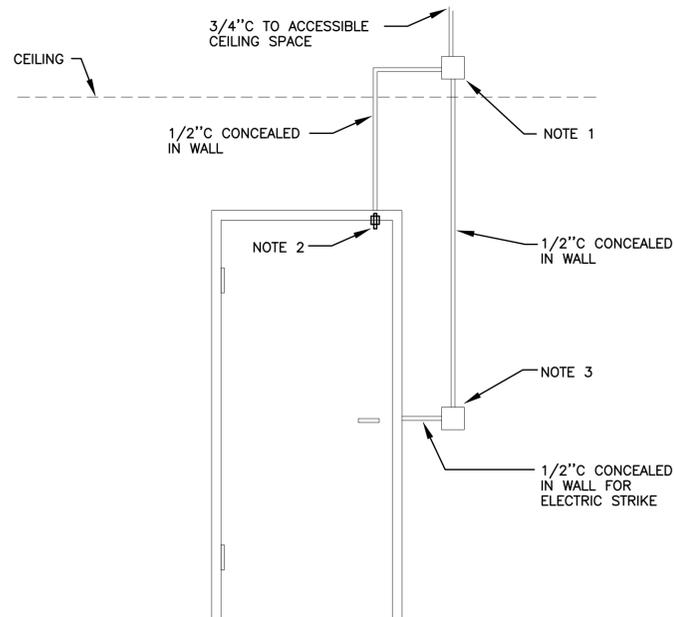
**M** Consulting Engineers  
**E** 2007 S.E. Ash St.  
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**N** INC. FAX: (503) 234-0677  
 CONTACT: GARY ADOVNIK

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**T1.01**

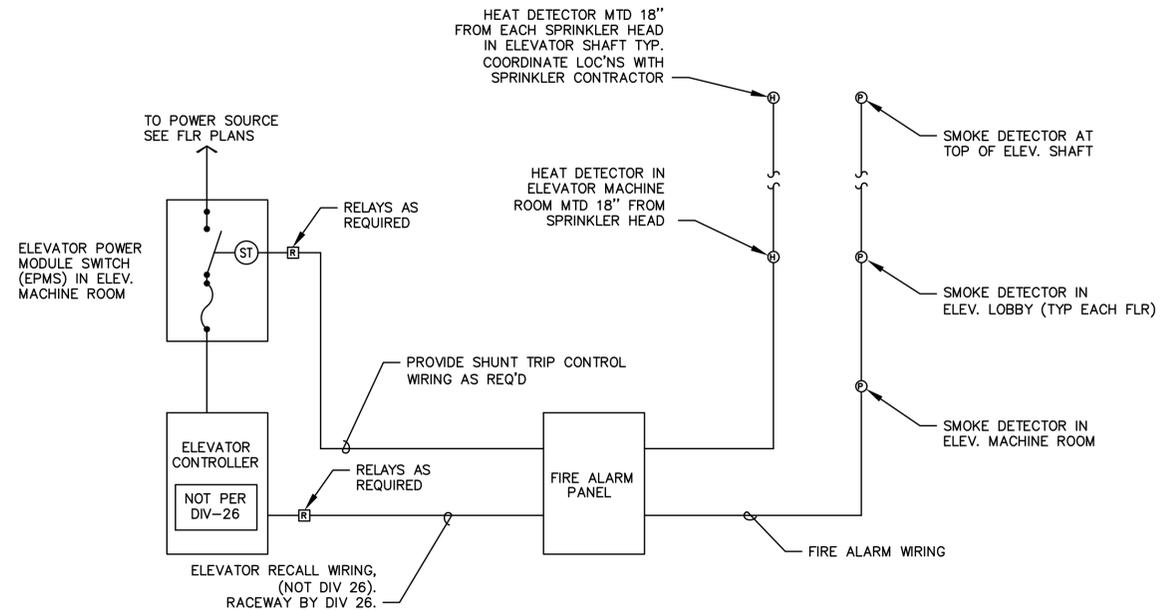


1 FIRE ALARM DETAIL  
T2.01 N.T.S.



SECURITY ROUGH-IN NOTES

- 4 SQUARE J-BOX @ 0'-6" ABOVE FINISHED CEILING, VERIFY WITH ARCHITECT.
- DOOR STATUS CONTACT, ONLY NEEDED WHEN STRIKE DOES NOT HAVE INTEGRAL SWITCH.
- DBL GANG BOX, PROVIDE SNGL GANG REDUCER RING IF NEEDED BY SECURITY DEVICE. COORDINATE WITH ARCHITECT TO MEET ADA REQUIREMENTS.



NOTES

- CONNECT HEAT DETECTORS IN MACHINE RM AND ELEVATOR SHAFT SUCH THAT AN ALARM CONDITION WILL ACTIVATE SHUNT TRIP DEVICE IN 'EMPS'.
- CONNECT SMOKE DETECTORS IN MACHINE ROOM, ELEVATOR LOBBYS, AND ELEVATOR SHAFT SUCH THAT AN ALARM CONDITION WILL ACTIVATE ELEVATOR RECALL SYSTEM. COORDINATE WITH ELEVATOR SUPPLIER.

2 ELEVATOR RECALL & AUTO DISCONNECT DETAIL  
T2.01 SCALE: NOT TO SCALE

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TECHNOLOGY  
DETAILS

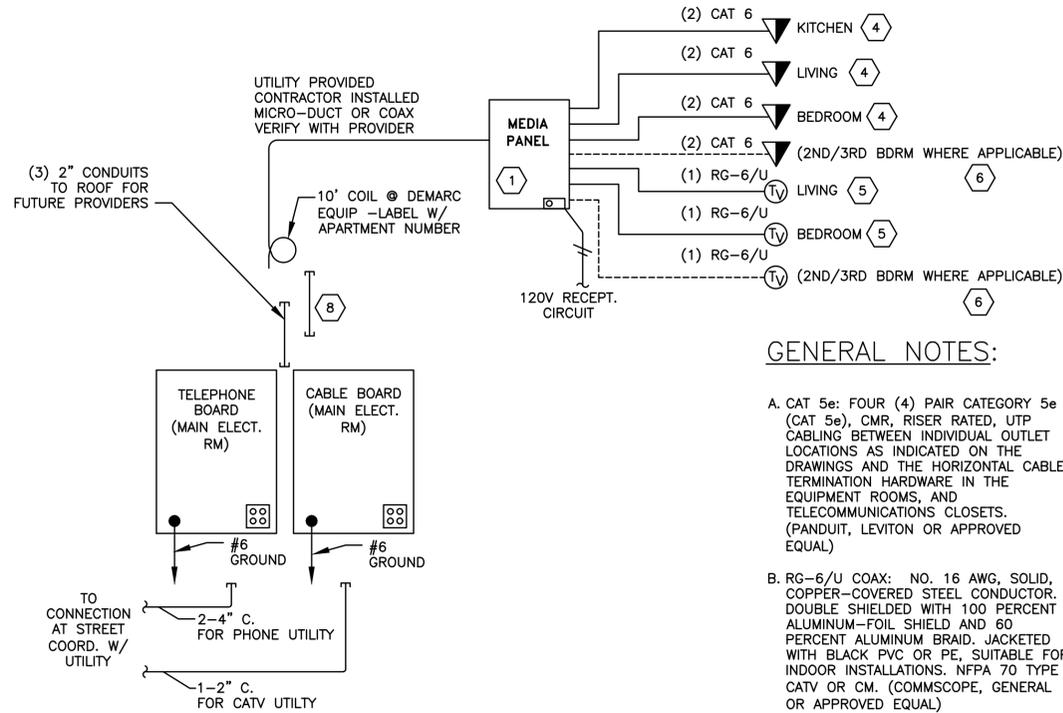
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T2.02



KEYED NOTES:

- MEDIA PANEL: 42"H X 14.38" W X 3.96" D, FLUSH MOUNT IN WALL, (PRIMEX NON-METALLIC APPROVED EQUAL). INSTALL 8 PORT TELEPHONE MODULE (#NSOPTM8 OR APPROVED EQUAL), 8 PORT DATA MODULE (#NSODM8 OR APPROVED EQUAL), 6-WAY COAXIAL SPLITTER MODULE (#NSOVM6 OR APPROVED EQUAL) AND SURGE SUPPRESSION POWER KIT (#NSOKPS OR APPROVED EQUAL)
- SPACE RESERVED FOR OWNER SUPPLIED NETWORK ELECTRONICS.
- PROVIDE PHONE BOARD OR BOARDS AS NEEDED. CONTRACTOR MAY ADD INTERMEDIATE BOARDS IF LOCATIONS ARE APPROVED BY ARCHITECT AND TRUNK CABLE(S) AND CONNECTIONS ARE PROVIDED. COORDINATE COAX HOME RUNS WITH COMCAST.
- PROVIDE (1) RJ-11 (HUBBELL PART #NSJU OR APPROVED EQUAL) AND (1) RJ-45 JACK (#NSJ5E OR APPROVED EQUAL) IN DUPLEX FACEPLATE (#NSP12 OR APPROVED EQUAL). COLORS AS SELECTED BY ARCHITECT.
- PROVIDE "F" TYPE CONNECTOR (HUBBELL PART # SFFX OR APPROVED EQUAL) AND FACEPLATE (#NSP11 OR APPROVED EQUAL) COLOR AS SELECTED BY ARCHITECT.
- ADD TELECOM JACK AND CATV JACK IN 2nd BEDROOM OF 2 BEDROOM UNITS.
- PROVIDE WALL MOUNT CAT 5e PATCH PANELS (HUBBELL PART #P648UF OR APPROVED EQUAL. PROVIDE ENOUGH PATCH PANELS TO LEAVE A MINIMUM OF 24 SPARE PORTS.
- PROVIDE (2) 4" SLEEVES BETWEEN FLOORS FOR UTILITY USE FROM MAIN DISTRIBUTION POINT TO INTERMEDIATE POINTS ON 2ND AND 4TH FLOORS.

GENERAL NOTES:

- CAT 5e: FOUR (4) PAIR CATEGORY 5e (CAT 5e). CMR, RISER RATED, UTP CABLING BETWEEN INDIVIDUAL OUTLET LOCATIONS AS INDICATED ON THE DRAWINGS AND THE HORIZONTAL CABLE TERMINATION HARDWARE IN THE EQUIPMENT ROOMS, AND TELECOMMUNICATIONS CLOSETS. (PANDUIT, LEVITON OR APPROVED EQUAL)
- RG-6/U COAX: NO. 16 AWG, SOLID, COPPER-COVERED STEEL CONDUCTOR. DOUBLE SHIELDED WITH 100 PERCENT ALUMINUM-FOIL SHIELD AND 60 PERCENT ALUMINUM BRAID. JACKETED WITH BLACK PVC OR PE, SUITABLE FOR INDOOR INSTALLATIONS. NFPA 70 TYPE CATV OR CM. (COMMSCOPE, GENERAL OR APPROVED EQUAL)
- PROVIDE CONDUIT SLEEVES BETWEEN FLOORS AS NEEDED AND A SPARE 4" SLEEVE BETWEEN FLOORS.
- PROVIDE REQUIRED PHONE OUTLETS FOR FIRE ALARM AND ELEVATOR.
- PERFORM TESTS FOR WIRE MAP, LENGTH, ATTENUATION, NEXT, AND PROPAGATION DELAY FOR CATEGORY 5e LINKS.
- THE CONTRACTOR SHALL COMPILE TEST RESULTS INTO FORMS THAT CONTAIN ALL APPLICABLE TEST DATA. ALL FORMS SHALL BE NEATLY COMPLETED AND LEGIBLE WHEN SUBMITTED.

3 TELCOM CABLING DETAIL  
T1.3 N.T.S.

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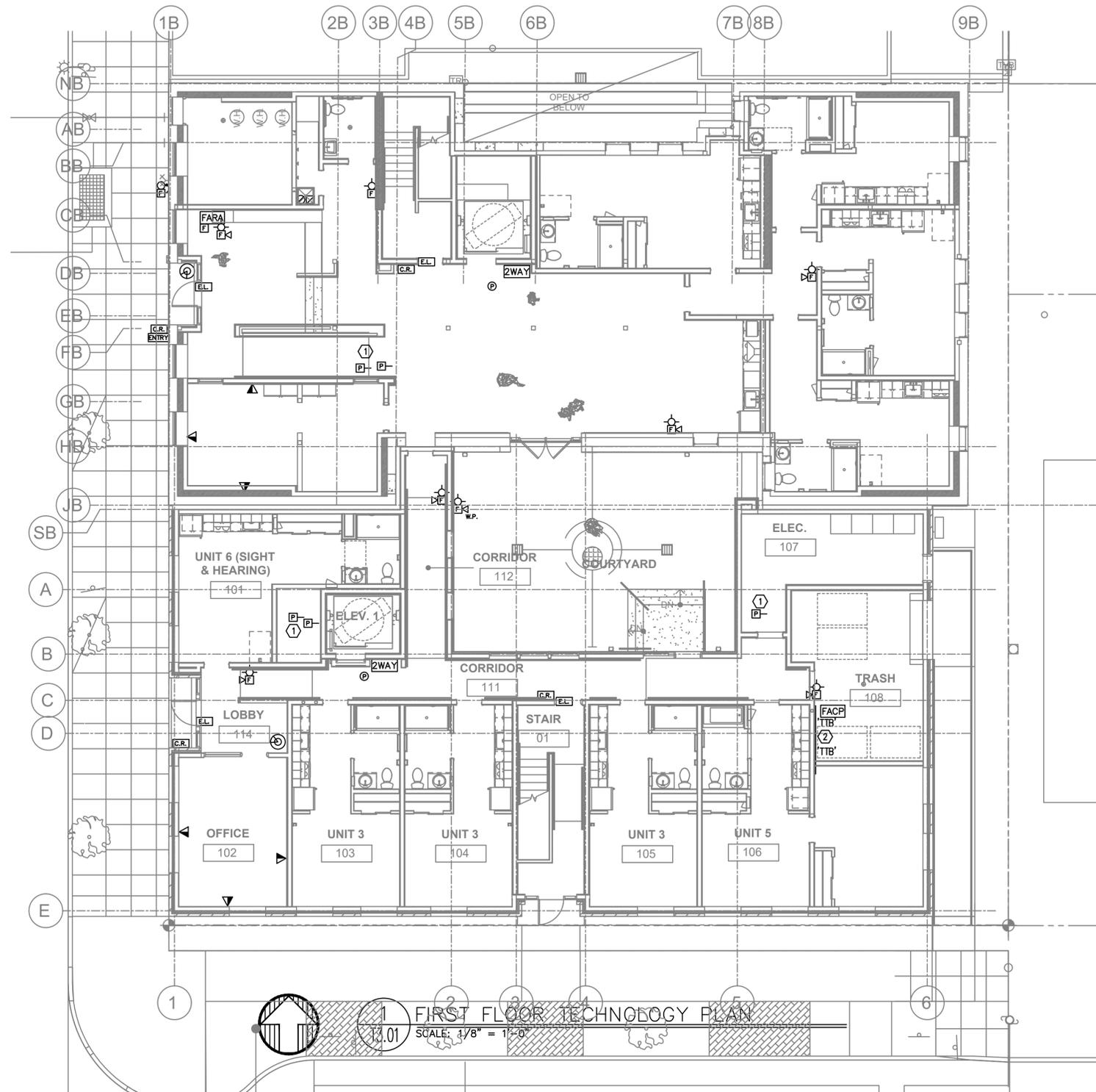


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- B. FOR VOICE/DATA OUTLETS PROVIDE A SINGLE GANG MUD-RING WITH A 1" CONDUIT FROM THE TOP OF THE MUD-RING TO ACCESSIBLE CEILING SPACE. TERMINATE CONDUIT WITH END CONNECTORS AND THREAD ON PLASTIC BUSHING FOR CABLE PROTECTION. OUTLET SHALL BE AT THE SAME HEIGHT AS ADJACENT POWER OUTLET AND LESS THAN 18" SEPARATION. COORDINATE WITH ELECTRICAL.
- C. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE TECHNOLOGY PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.
- D. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.
- E. ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

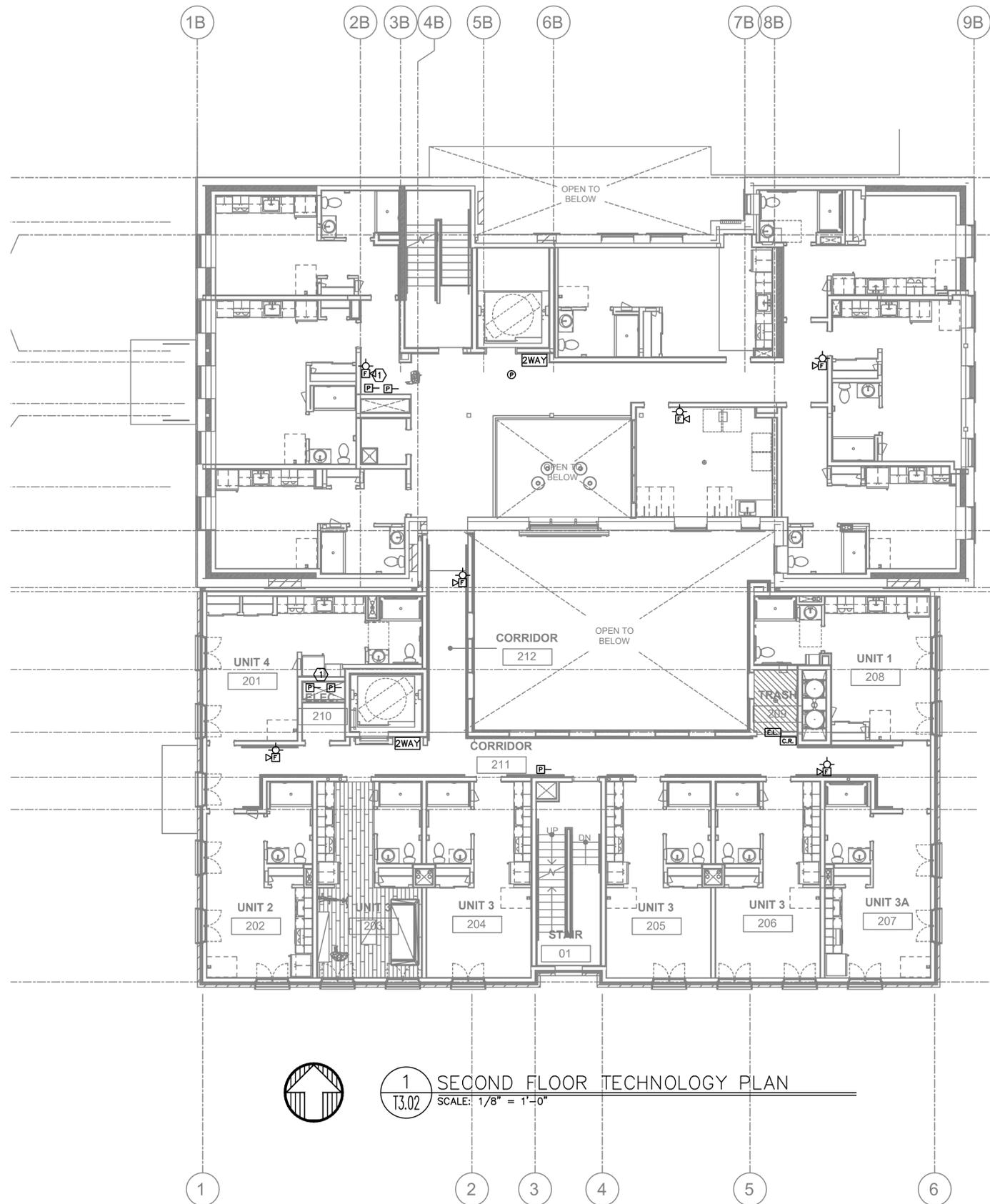
PLAN NOTES:

- 1. VERIFY EXACT COUNT AND LOCATIONS OF DUCT DETECTORS WITH MECHANICAL PLANS.
- 2. POINT OF ENTRY FOR COMMUNICATION UTILITIES.



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

FIRE ALARM AND DETECTION SYSTEM SHOWN ON PLAN(S) ARE FOR DESIGN INTENT ONLY. THIS IS A DEFERRED SUBMITTAL SYSTEM REQUIRING THE CONTRACTOR TO COMPLETE THE PERMIT READY DESIGN AND CALCULATIONS AS REQUIRED PER THE AUTHORITY HAVING JURISDICTION. VERIFY BUILDING OCCUPANCY TYPE AND OCCUPANT LOAD WITH ARCHITECTURAL PLANS.



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- C. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE TECHNOLOGY PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.
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- E. ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

**PLAN NOTES:**

- 1. VERIFY EXACT COUNT AND LOCATIONS OF DUCT DETECTORS WITH MECHANICAL PLANS.
- 2. POINT OF ENTRY FOR COMMUNICATION UTILITIES.

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SECOND FLOOR  
TECHNOLOGY  
PLAN

1/004

09/16/2020

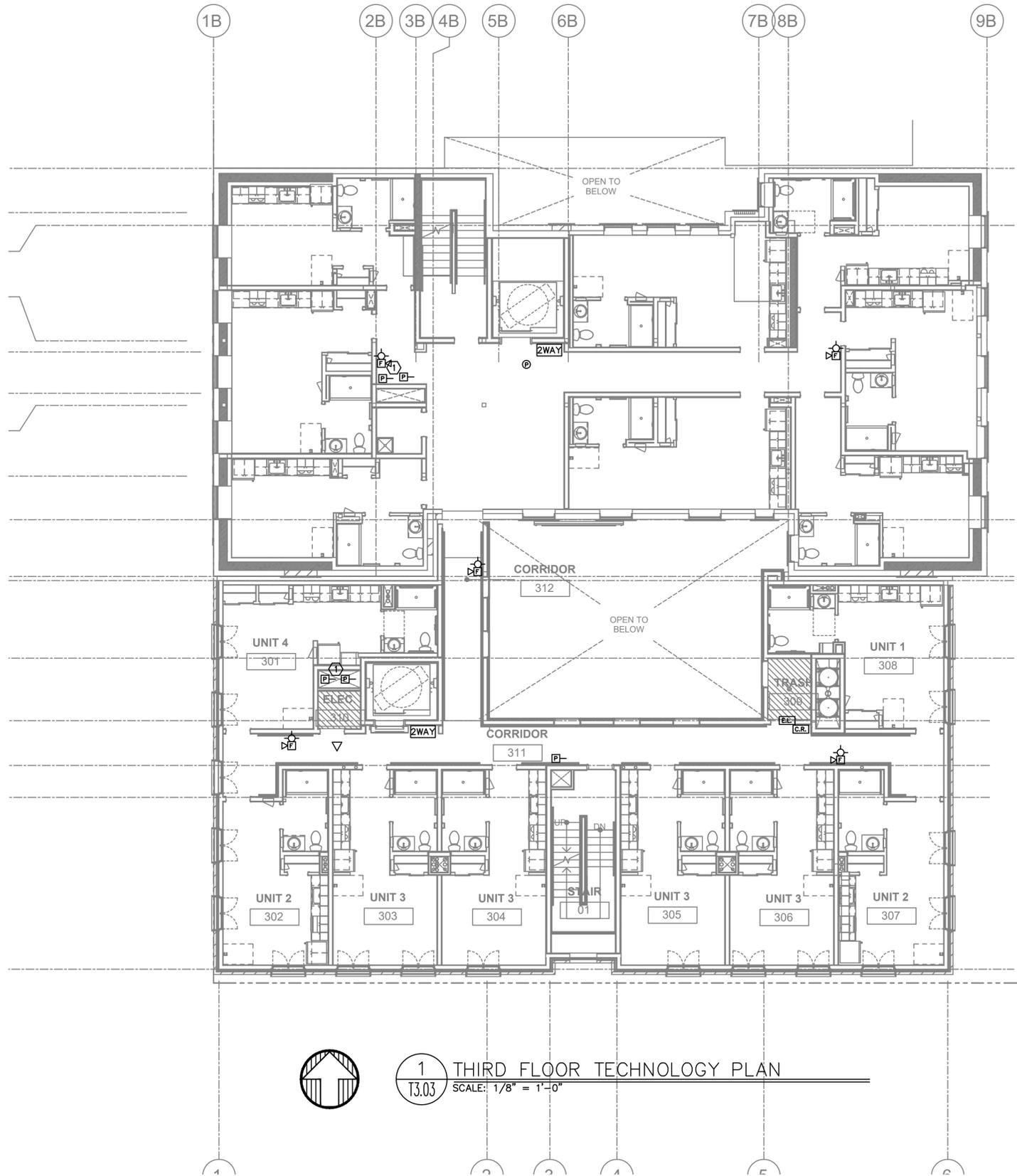
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1 SECOND FLOOR TECHNOLOGY PLAN  
T3.02 SCALE: 1/8" = 1'-0"

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- C. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE TECHNOLOGY PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.
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- 2. POINT OF ENTRY FOR COMMUNICATION UTILITIES.

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THIRD FLOOR  
TECHNOLOGY  
PLAN

1/004

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1 THIRD FLOOR TECHNOLOGY PLAN  
T3.03 SCALE: 1/8" = 1'-0"

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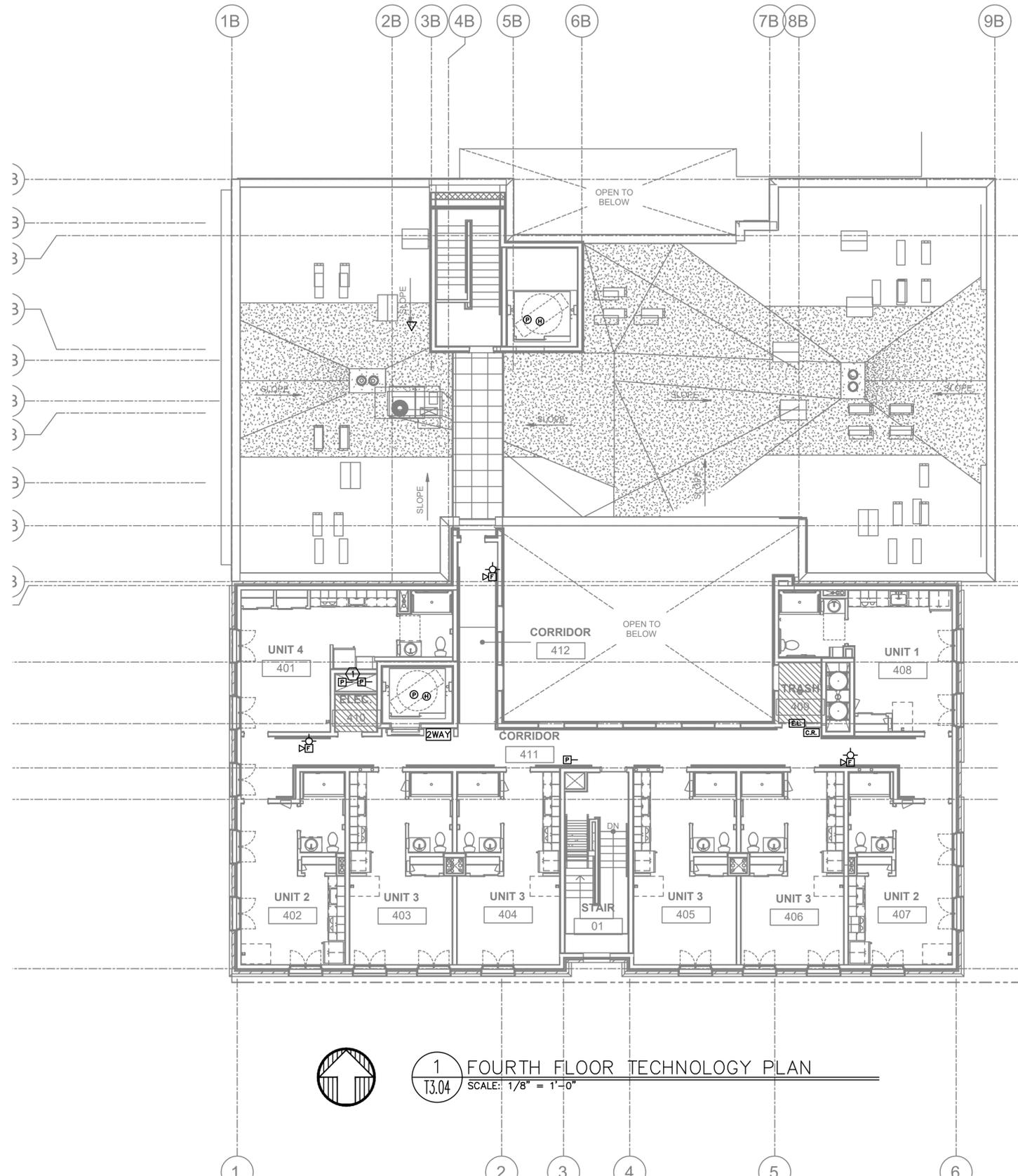


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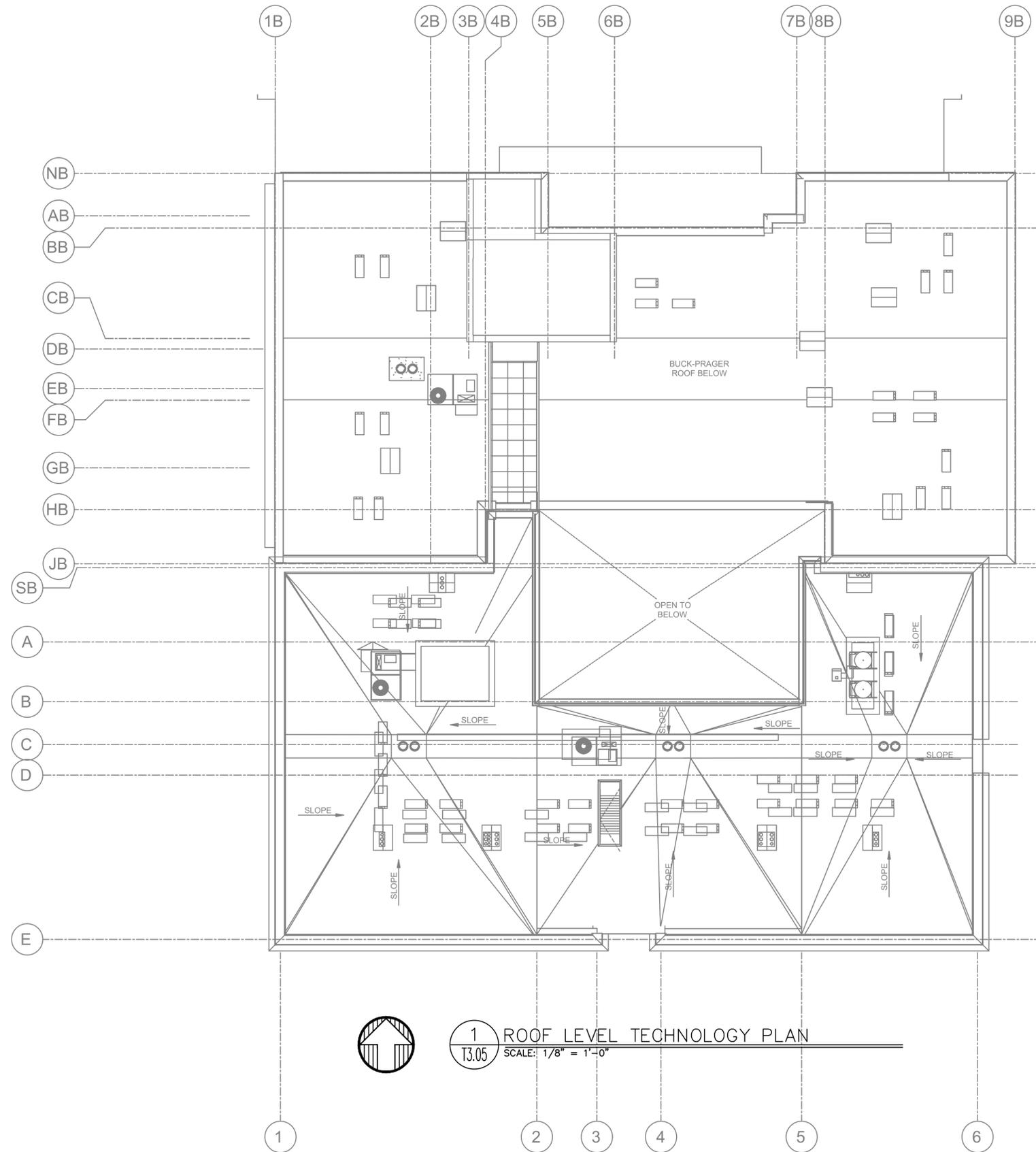
PLAN NOTES:

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- 2. POINT OF ENTRY FOR COMMUNICATION UTILITIES.



1 FOURTH FLOOR TECHNOLOGY PLAN  
T3.04 SCALE: 1/8" = 1'-0"

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**1** ROOF LEVEL TECHNOLOGY PLAN  
T3.05 SCALE: 1/8" = 1'-0"

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ROOF LEVEL  
TECHNOLOGY  
PLAN

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T3.05

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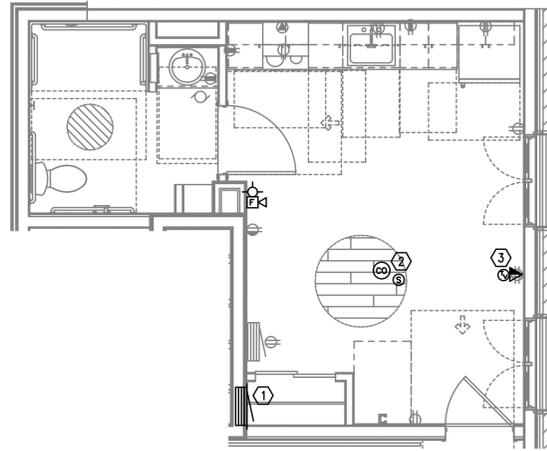


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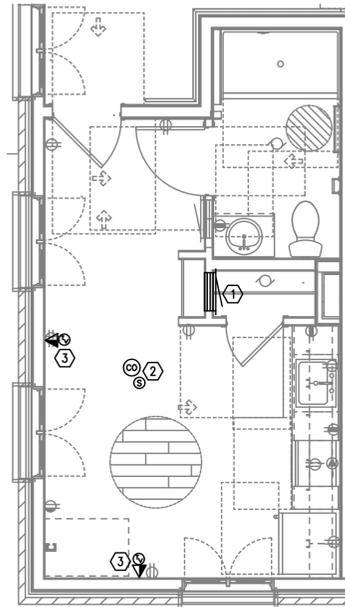
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- C. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- D. PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- E. ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

**KEYED NOTES:**

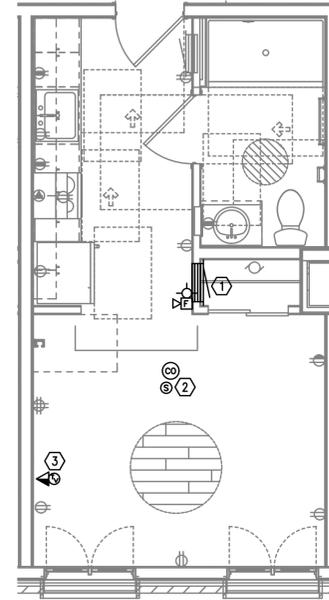
- 1. SMART PANEL FOR UTILITY DEMARCATION WITHIN UNIT. PROVIDE RF TRANSPARENT PANEL.
- 2. SMOKE AND CO DETECTOR CAN BE A SINGLE UNIT.
- 3. (1) COAXIAL AND (2) CATEGORY CABLES AND OUTLETS PER FACEPLATE.



1  
T4.01 UNIT TYPE 1 ADA  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



2  
T4.01 UNIT TYPE 2  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



3  
T4.01 UNIT TYPE 3  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"

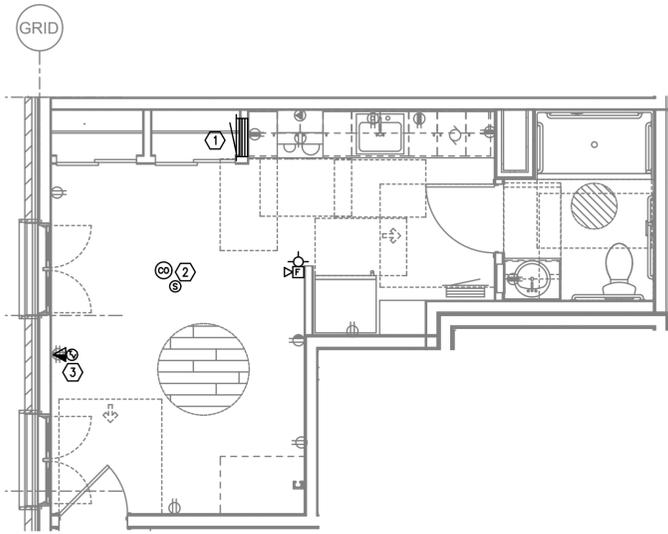


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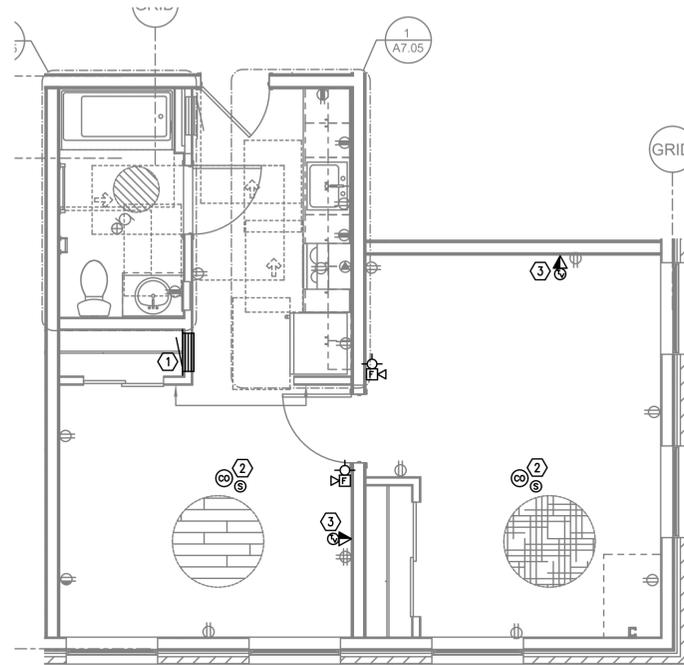
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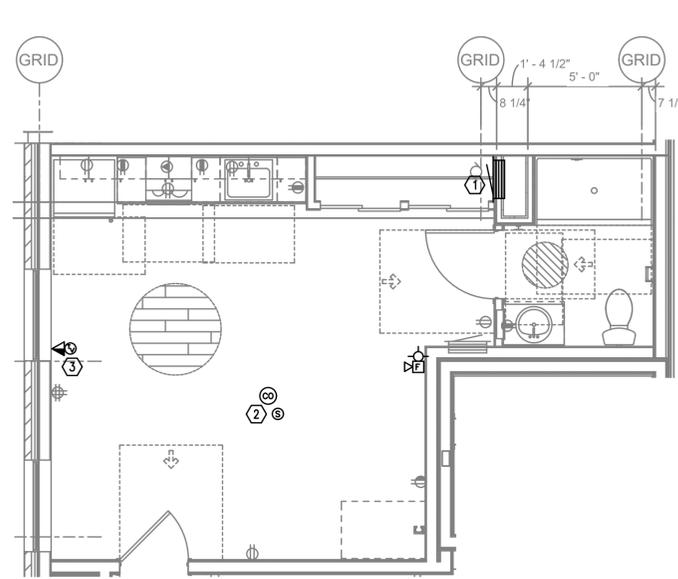
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1  
UNIT TYPE 4  
TYPICAL TELCOM PLAN  
T4.02 SCALE: 1/4" = 1'-0"



2  
UNIT TYPE 5  
TYPICAL TELCOM PLAN  
T4.02 SCALE: 1/4" = 1'-0"



3  
UNIT TYPE 6  
TYPICAL TELCOM PLAN  
T4.02 SCALE: 1/4" = 1'-0"

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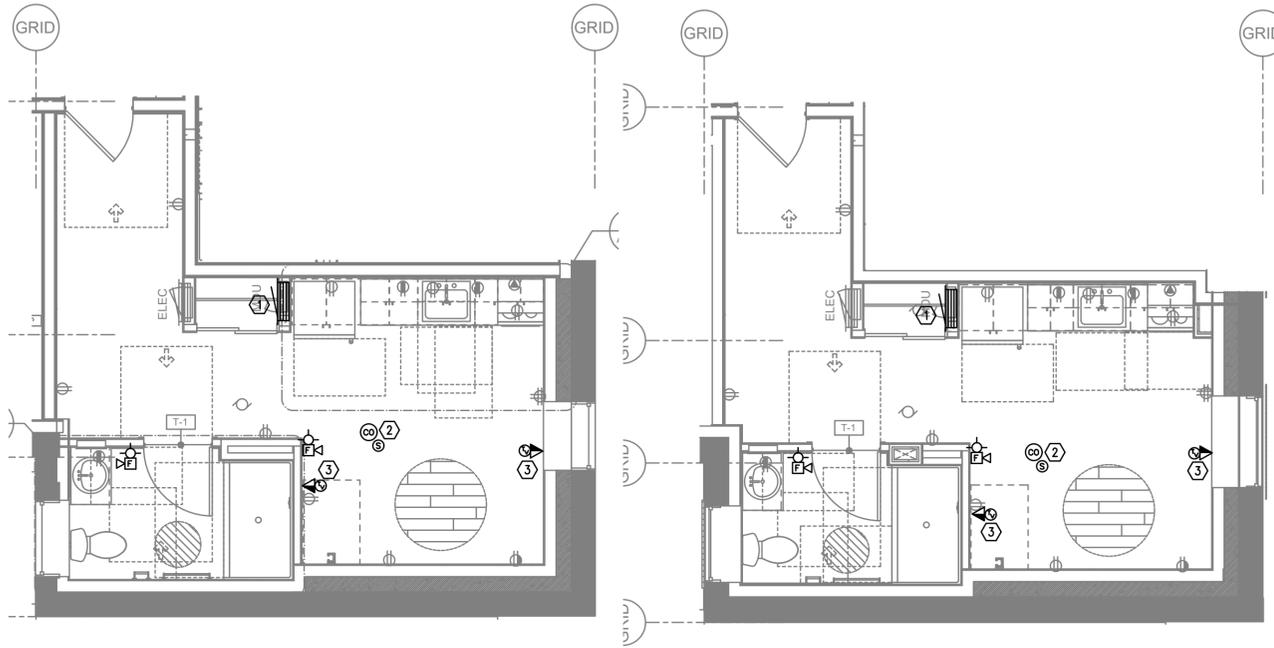


**GENERAL NOTES:**

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- B. FOR VOICE/DATA OUTLETS PROVIDE A SINGLE GANG MUD-RING WITH A 1" CONDUIT FROM THE TOP OF THE MUD-RING TO ACCESSIBLE CEILING SPACE. TERMINATE CONDUIT WITH END CONNECTORS AND THREAD ON PLASTIC BUSHING FOR CABLE PROTECTION. OUTLET SHALL BE AT THE SAME HEIGHT AS ADJACENT POWER OUTLET AND LESS THAN 18" SEPARATION. COORDINATE WITH ELECTRICAL.
- C. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- D. PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- E. ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

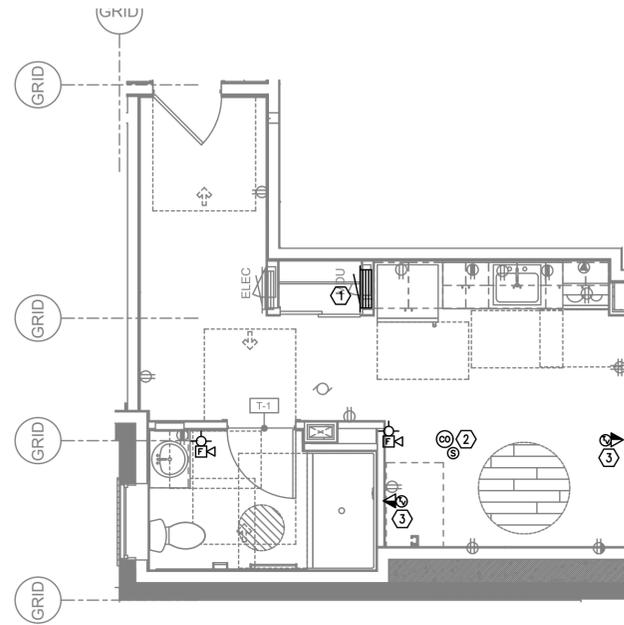
**KEYED NOTES:**

- 1. SMART PANEL FOR UTILITY DEMARCATION WITHIN UNIT. PROVIDE RF TRANSPARENT PANEL.
- 2. SMOKE AND CO DETECTOR CAN BE A SINGLE UNIT.
- 3. (1) COAXIAL AND (2) CATEGORY CABLES AND OUTLETS PER FACEPLATE.

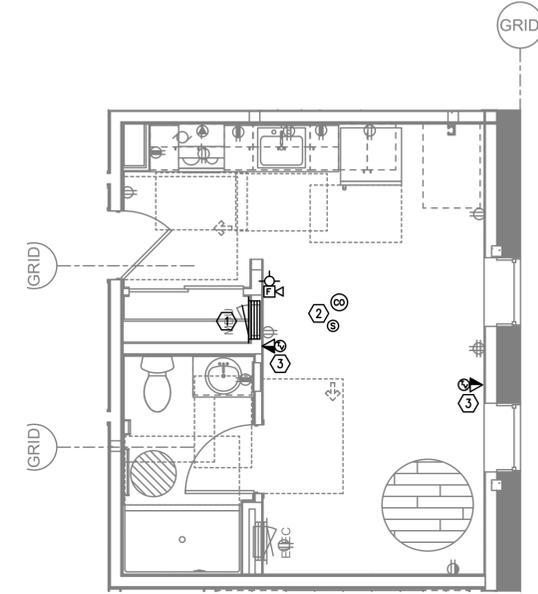


1  
T4.03 UNIT TYPE 7 ADA  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"

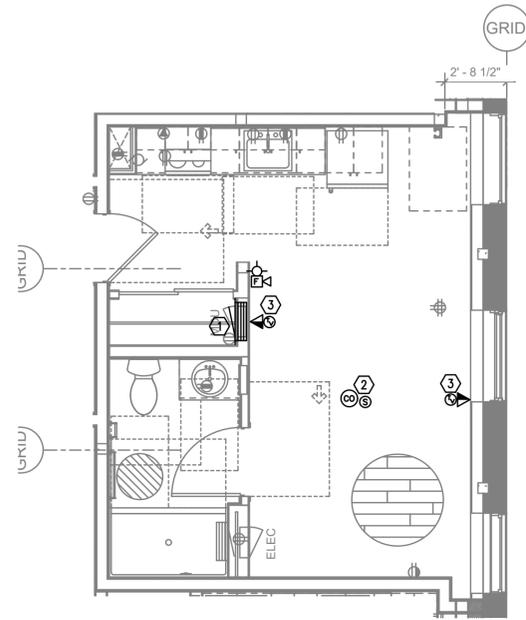
2  
T4.03 UNIT TYPE 7A ADA  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



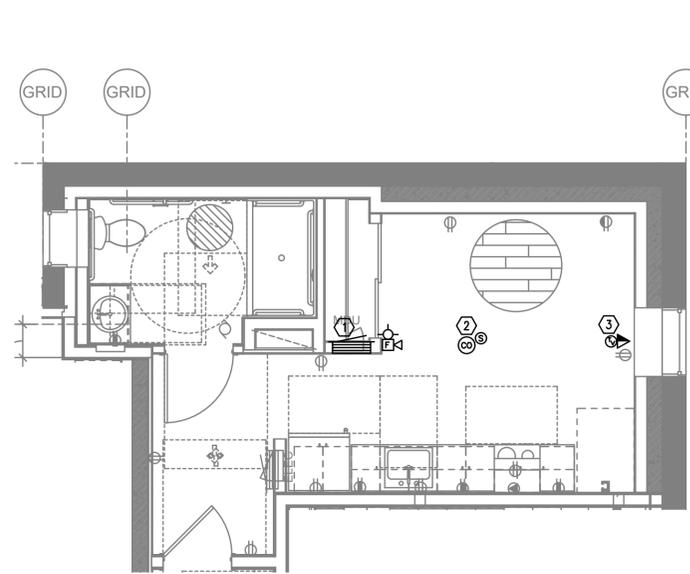
3  
T4.03 UNIT TYPE 7B ADA  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



1  
T4.04 UNIT TYPE 8  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



2  
T4.04 UNIT TYPE 8A  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



3  
T4.04 UNIT TYPE 9  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"

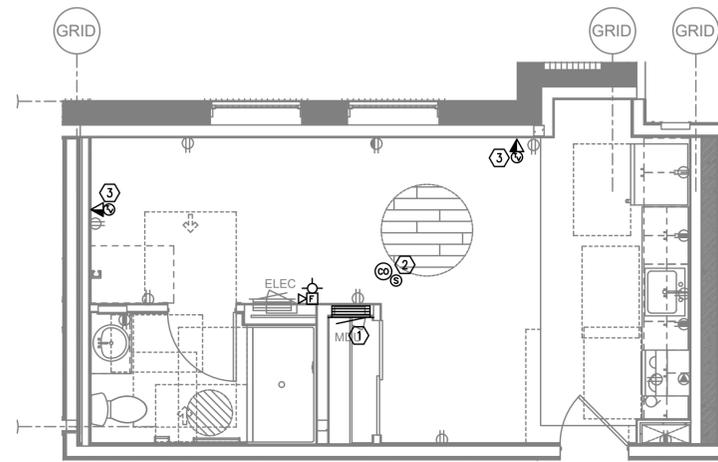
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- C. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
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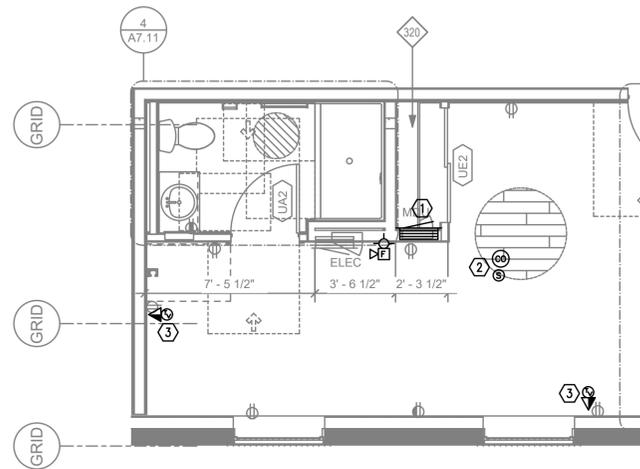
KEYED NOTES:

- 1. SMART PANEL FOR UTILITY DEMARCATION WITHIN UNIT. PROVIDE RF TRANSPARENT PANEL.
- 2. SMOKE AND CO DETECTOR CAN BE A SINGLE UNIT.
- 3. (1) COAXIAL AND (2) CATEGORY CABLES AND OUTLETS PER FACEPLATE.

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1  
T4.05 UNIT TYPE 10  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



2  
T4.05 UNIT TYPE 10A  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"

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**KEYED NOTES:**

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1727 NW HOYT STREET, PORTLAND, OR

NORTHWEST HOUSING ALTERNATIVES

CONSTRUCTION DOCUMENT  
CHECK SET

TYPICAL ENLARGED  
UNIT PLANS

PROJECT NO.  
17004

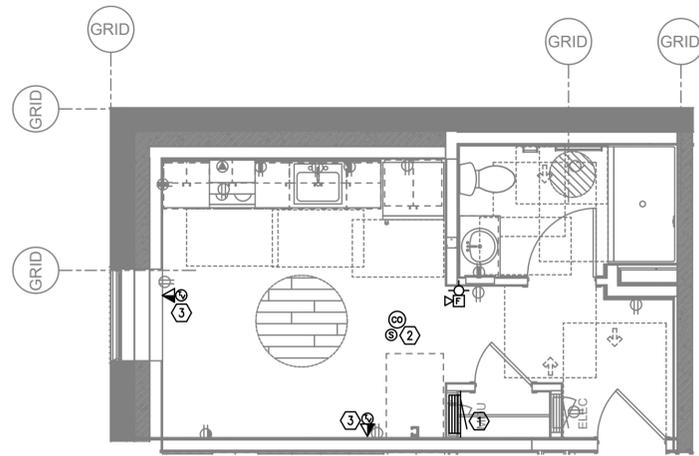
09/16/2020

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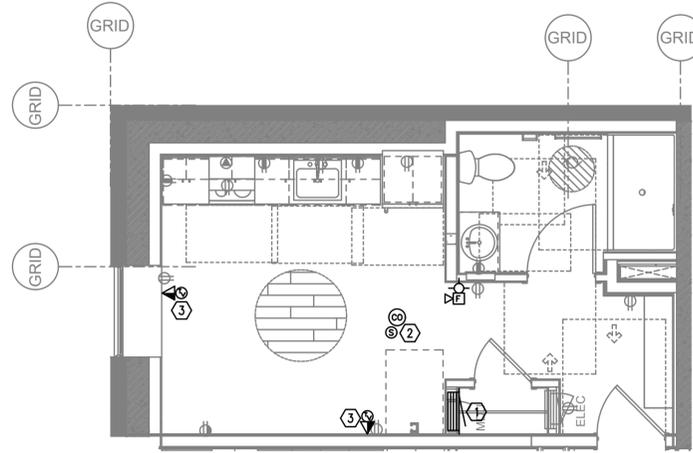
**M** Consulting Engineers  
**E** 2007 S.E. Ash St.  
**A** Portland, OR 97214  
**I** PHN: (503) 234-0548  
**N** INC. WWW.MEIA-ENG.COM  
CONTACT: GARY ADOVNIK

T4.05

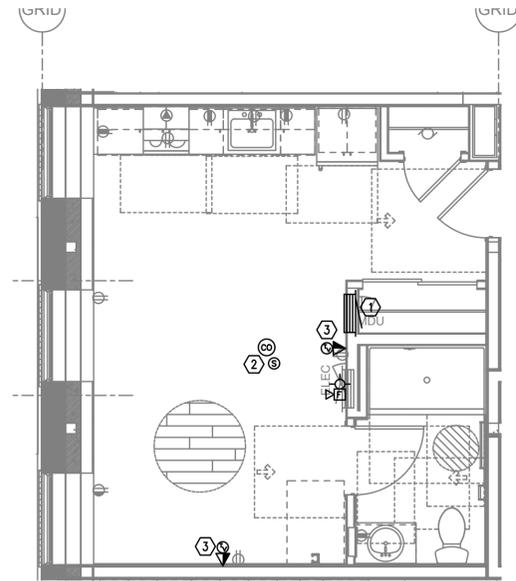
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1  
T4.06 UNIT TYPE 11  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



2  
T4.06 UNIT TYPE 11A  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"



3  
T4.06 UNIT TYPE 12  
TYPICAL TELCOM PLAN  
SCALE: 1/4" = 1'-0"

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09/16/2020

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T4.06

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