Otak

Otak Architects, Inc.

Portland, OR 97204

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808 SW Third Avenue, Suite 300

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DRAWN BY PERMIT SET STATUS

07/08/2022 DATE

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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TELCOM SYMBOL LIST FIRE ALARM SYMBOLS SECURITY SYMBOLS **ABBREVIATIONS** SIGNAL SYMBOLS  $\square$ TELEPHONE OUTLET +18" A.F.F. FIRE ALARM MANUAL PULL STATION, +48" A.F.F. CCTV CAMERA ABOVE FINISHED FLOOR WALL TELEPHONE OUTLET +48" A.F.F. **APPROXIMATE** MAGNETIC DOOR HOLDER DOME CAMERA (W/ PTZ OR FIX) CABLE FOR WIRELESS ACCESS POINT SMOKE DETECTOR, DUCT, IONIZATION TYPE W/SAMPLING TUBE CONDUIT (2) PORTS PER OUTLET +18" A.F.F., U.O.N. INTRUSION SENSOR ('X' INDICATES DEG. OF COVERAGE) SMOKE DETECTOR, DUCT, PHOTO TYPE W/SAMPLING TUBE CONDUIT ONLY 'C' INDICATES OUTLET ABOVE COUNTER SMOKE DETECTOR, IONIZATION TYPE GLASS BREAK SENSOR CABLE TELEVISION 'X' INDICATES CABLE/PORT COUNT IN FP SMOKE DETECTOR, PHOTO TYPE DOOR POSITION SENSOR CLOSED CIRCUIT TELEVISION OUTLET IN FLOOR BOX (2) PORTS U.O.N. HEAT DETECTOR, RATE-OF-RISE OR FIXED TEMP. KEYPAD +48" A.F.F. CEILING MOUNTED OUTLET INSTALLED IN POKE-THROUGH PROXIMITY CARD READER +48" A.F.F. **EXISTING** FIRE MAIN FLOW DETECTION SWITCH CATV OUTLET +18" A.F.F., U.O.N. ELECTRIC LATCH/LOCK FIRE MAIN TAMPER DETECTION SWITCH FIRE ALARM CONTROL PANEL JUNCTION BOX FIRE ALARM BELL, +80" A.F.F., U.O.N. REQUEST TO EXIT DEVICE FACEPLATE AUDIO/VISUAL OUTLET +18" A.F.F., U.O.N. FIRE ALARM HORN, +80" A.F.F. FLOW SWITCH (SEE FIRE ALARM SYMBOLS) FIRE ALARM HORN/STROBE, +80" TO 96" A.F.F. CLOCK FIRE/SMOKE DAMPER FIRE ALARM STROBE, +80" TO 96" A.F.F. GROUND FLOOR STANDING DATA RACK IM DOUBLE SIDED VERTICAL CABLE MANAGER FIRE ALARM INPUT MODULE APARTMENT ENTRY SYSTEM INFRARED LADDER RACK/ CABLE TRAY OM FIRE ALARM OUTPUT MODULE JUNCTION BOX FACP FIRE ALARM CONTROL PANEL NOT IN CONTRACT PAGING AND FARA FIRE ALARM REMOTE ANNUNCIATOR OWNER FURNISHED, CONTRACTOR INSTALLED INTERCOM SYMBOLS STAND ALONE - RESIDENTIAL SMOKE DETECTOR 120V W/ BATTERY OWNER FURNISHED, OWNER INSTALLED WIRING SYMBOLS CARBON MONOXIDE DETECTOR RESIDENTIAL 120V W/ BATTERY CEILING MOUNTED SPEAKER PUBLIC ADDRESS WALL MOUNTED SPEAKER PROTECTIVE ENTRANCE TERMINAL INTERCOM CALL SWITCH SMOKE DAMPER TAMPER SWITCH (SEE FIRE ALARM SYMBOLS) SIGNAL BUZZER NOTATIONS SIGNAL HORN CONDUIT SIZE TELEPHONE TERMINAL BOARD - CONDUIT (UNDER SLAB OR FLOOR) DRAWING NOTE VOLUME CONTROL +48" A.F.F. **TYPICAL** UNDERGROUND (2) E3 UNLESS OTHERWISE NOTED FLEXIBLE CONNECTION

SPEAKER CONNECTION, NOT INDICATING CABLE PATH

HOMERUN TO EQUIPMENT

ZONE INDICATION

GENERAL NOTES: A. TECHNOLOGY DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE TECHNOLOGY CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL TECHNOLOGY EQUIPMENT, WITH ALL TRADES PRIOR

WIRE GUARD

X.P. EXPLOSION PROOF

**WEATHERPROOF** 

- TO AND DURING CONSTRUCTION. B. TECHNOLOGY ENTRANCE LOCATION DESIGN IS BASED ON INFORMATION PROVIDED BY THE UTILITY THRU THE DESIGN PROCESS. HOWEVER IT IS UP TO THE CONTRACTOR TO VERIFY
- CONDITIONS AND REQUIREMENTS HAVE NOT CHANGED PRIOR TO THE INSTALLATION DATE. C. COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT SIZES AND LOCATION TO ROUTE TO CONDUIT TO.
- D. CUSTOMER TO PROVIDE ALL TRENCHING AND BACKFILLING. TRENCH TO BE 36 INCHES DEEP AND 30 INCHES WIDE, MEASURED FROM FINAL GRADE.
- E. CONSULT WITH UTILITY PROVIDER REPRESENTATIVE 2 WEEKS BEFORE STARTING MAIN POWER TRENCHING FOR A PRE-CONSTRUCTION CONFERENCE. INCLUDED IN THIS CONFERENCE WILL BE EXCAVATOR, TECHNOLOGY UTILITY PROVIDER, TELCO, AND CATV.
- F. THE TECHNOLOGY CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- G. COORDINATE WITH MECHANICAL PLANS FOR LOCATIONS OF SMOKE, FIRE/SMOKE DAMPERS, AND
- ROOF TOP UNITS REQUIRING CONNECTION TO FIRE ALARM SYSTEM. H. 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. I. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- J. REFER TO ENLARGED TYPICAL UNIT PLANS (IF PROVIDED) FOR TYPICAL LAYOUTS FOR ALL APARTMENT UNIT TYPES.

CONDUIT, STUBBED & CAPPED

DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.

MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)

EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)

AV

 $\bigcirc$ 

/1-1/4"C

Greyscale

High,

'ector

%00

oom

enter,

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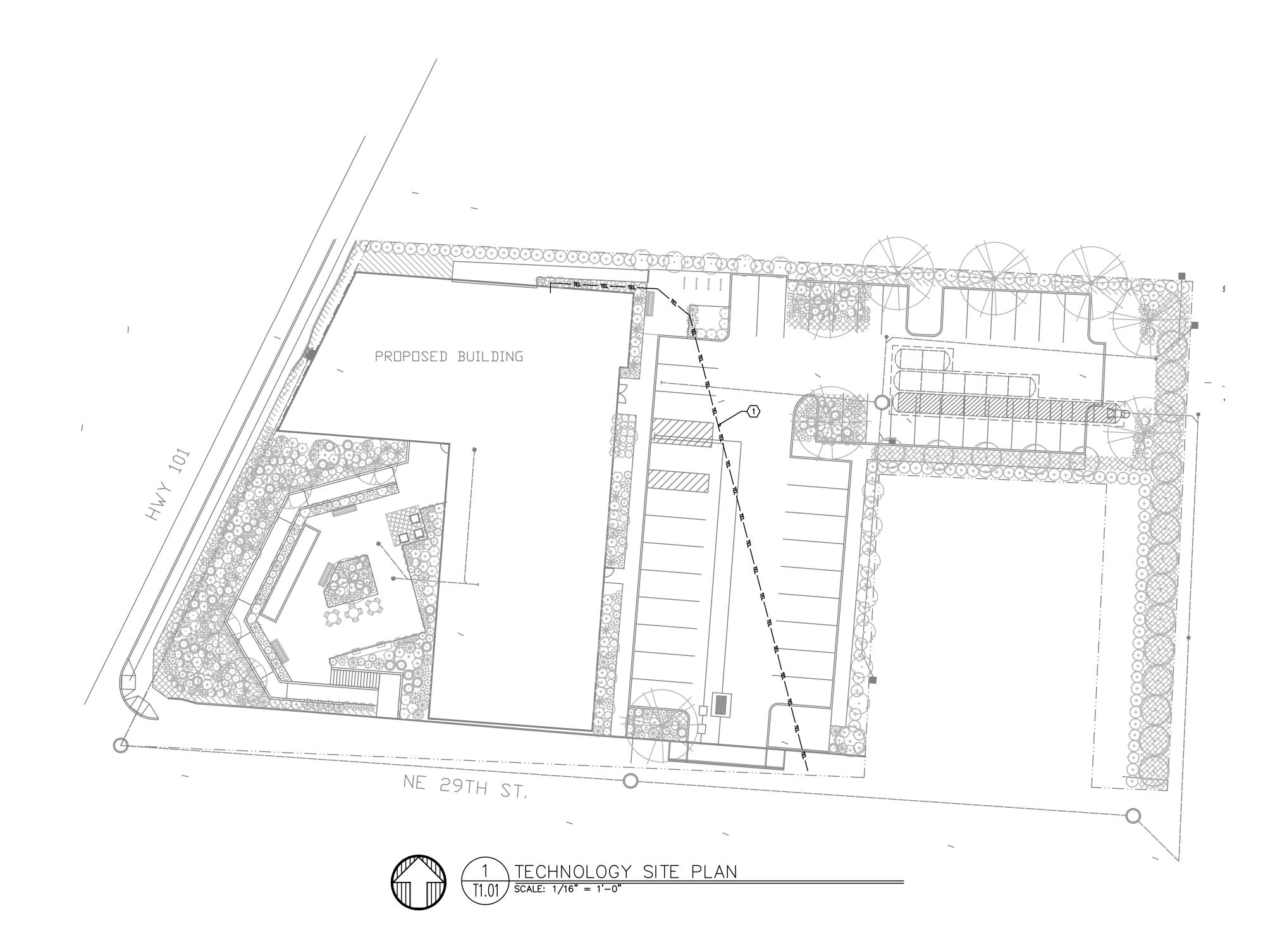
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## O NOTES:

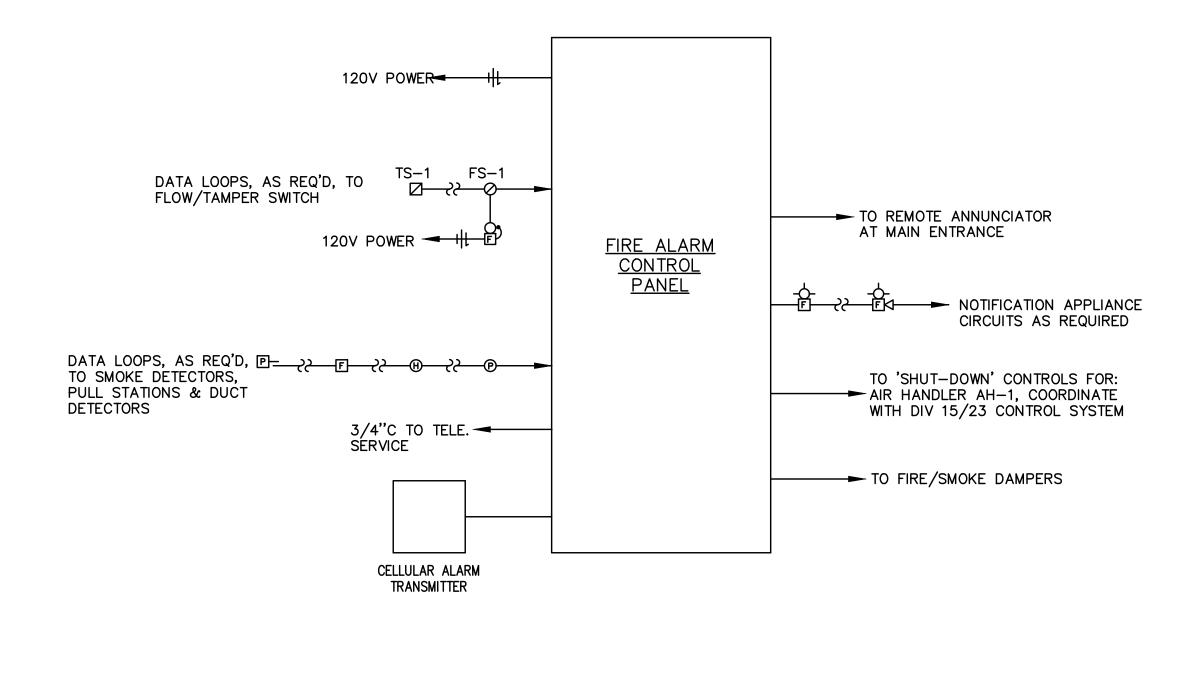
(2) 2" CONDUITS IN A SHARED TRENCH WITH ELECTRICAL. VERIFY BUILDING ENTRANCE LOCATION WITH TECHNOLOGY FLOOR PLAN AND VERIFY STREET CONNECTION WITH SERVING UTILITY.



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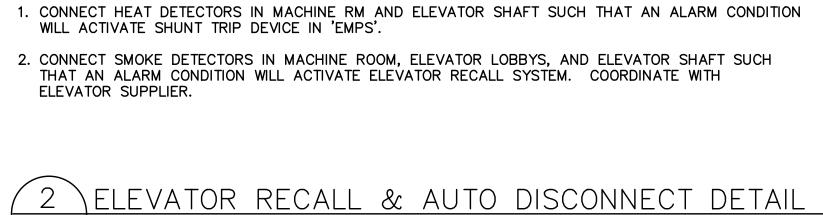
AUTHORITY HAVING JURISDICTION. VERIFY BUILDING OCCUPANCY TYPE AND OCCUPANT

LOAD WITH ARCHITECTURAL PLANS.



FIRE ALARM DETAIL





- PROVIDE SHUNT TRIP CONTROL

WIRING AS REQ'D

HEAT DETECTOR MTD 18" FROM EACH SPRINKLER HEAD IN ELEVATOR SHAFT TYP.

TO POWER SOURCE SEE FLR PLANS

ELEVATOR

CONTROLLER

NOT PER

DIV-26

ELEVATOR RECALL WIRING,

(NOT DIV 26). RACEWAY BY DIV 26. —

ELEVATOR POWER MODULE SWITCH

(EPMS) IN ELEV. MACHINE ROOM

— RELAYS AS REQUIRED

— RELAYS AS REQUIRED

COORDINATE LOC'NS WITH SPRINKLER CONTRACTOR

> HEAT DETECTOR IN ELEVATOR MACHINE ROOM MTD 18" FROM SPRINKLER HEAD -

> > FIRE ALARM PANEL

- SMOKE DETECTOR AT TOP OF ELEV. SHAFT

- SMOKE DETECTOR IN

ELEV. MACHINE ROOM

FIRE ALARM WIRING

- SMOKE DETECTOR IN ELEV. LOBBY (TYP EACH FLR)

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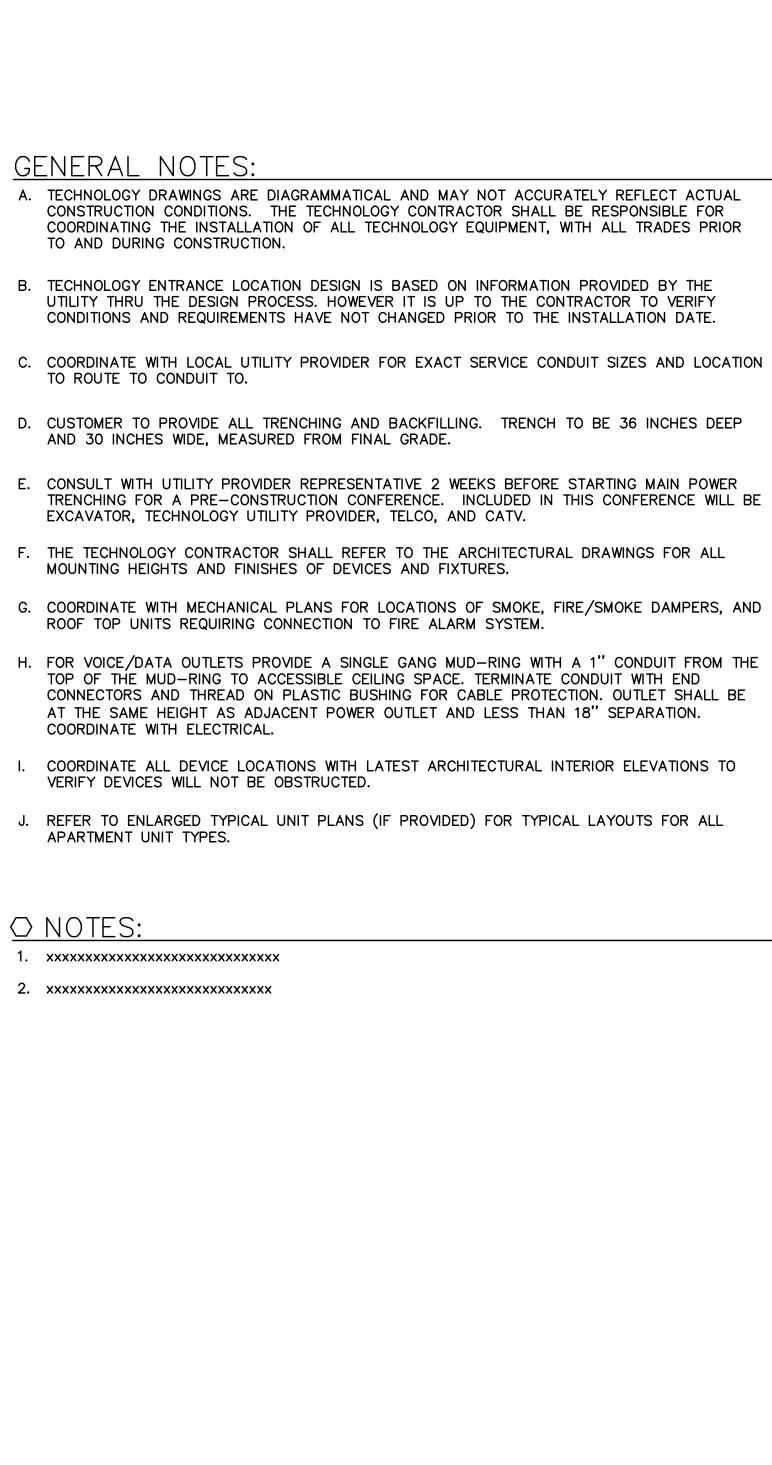
LOAD WITH ARCHITECTURAL PLANS.

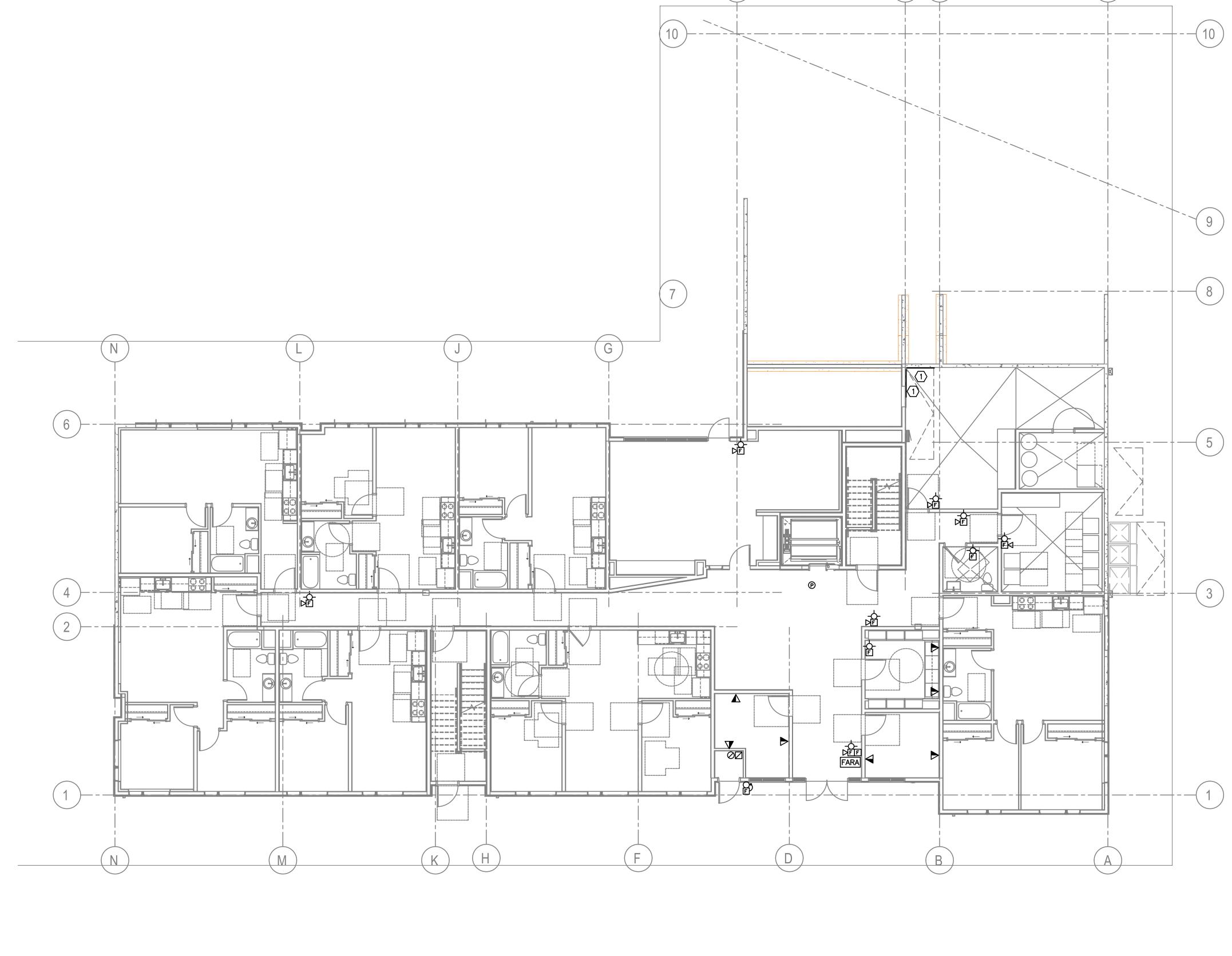
DATE

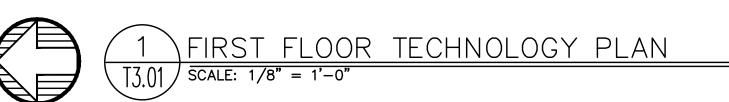
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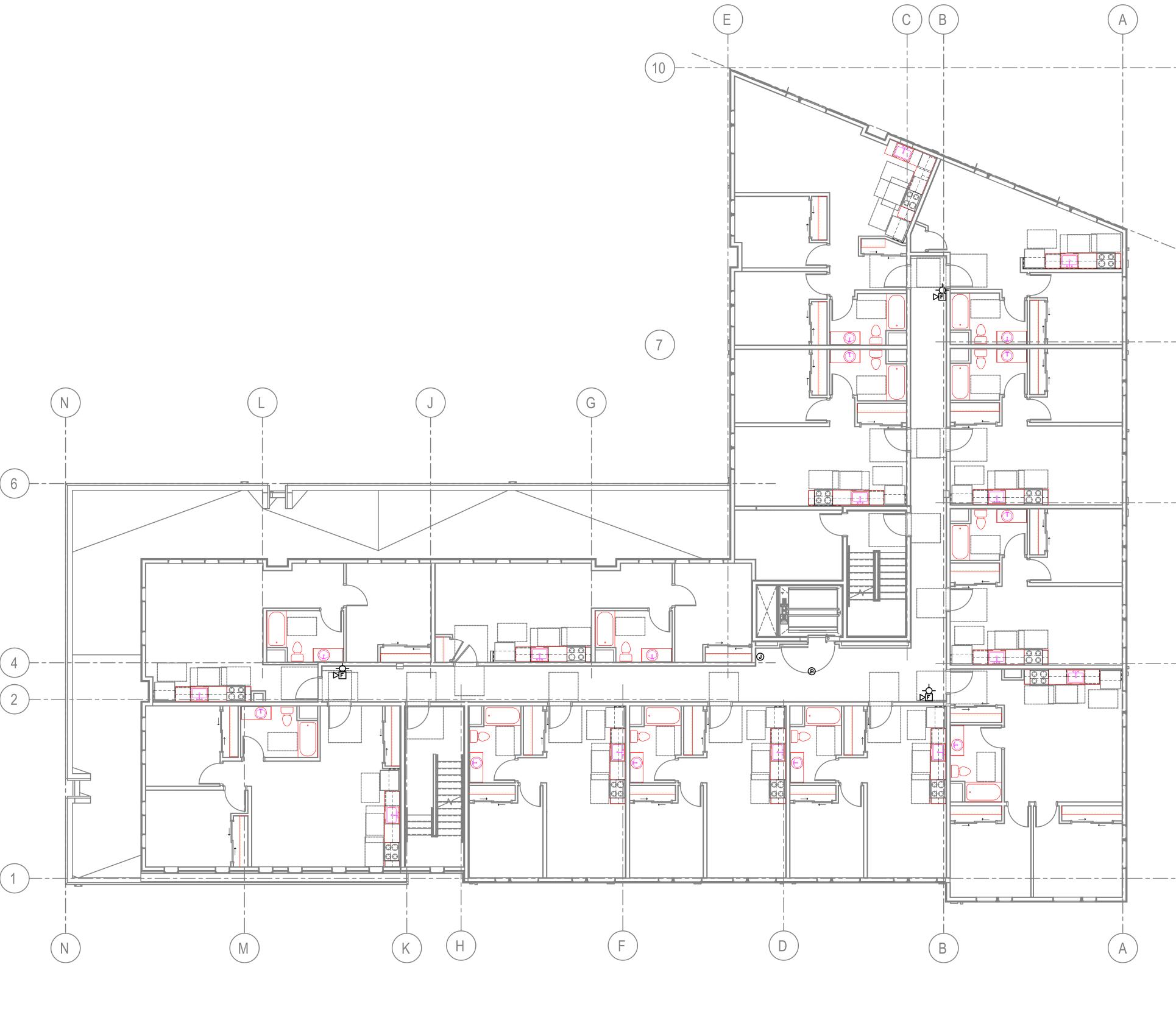
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## O NOTES:



1 SECOND FLOOR TECHNOLOGY PLAN

T3.02 SCALE: 1/8" = 1'-0"

Center,

×

Greyscale

High,

'ector

1 THIRD FLOOR TECHNOLOGY PLAN

T3.03 SCALE: 1/8" = 1'-0"

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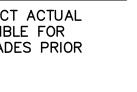
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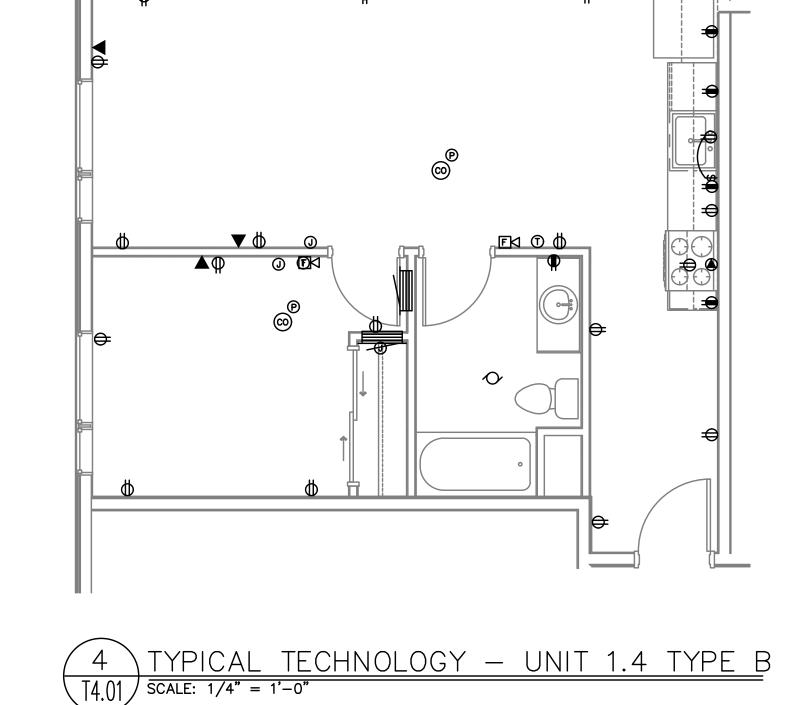
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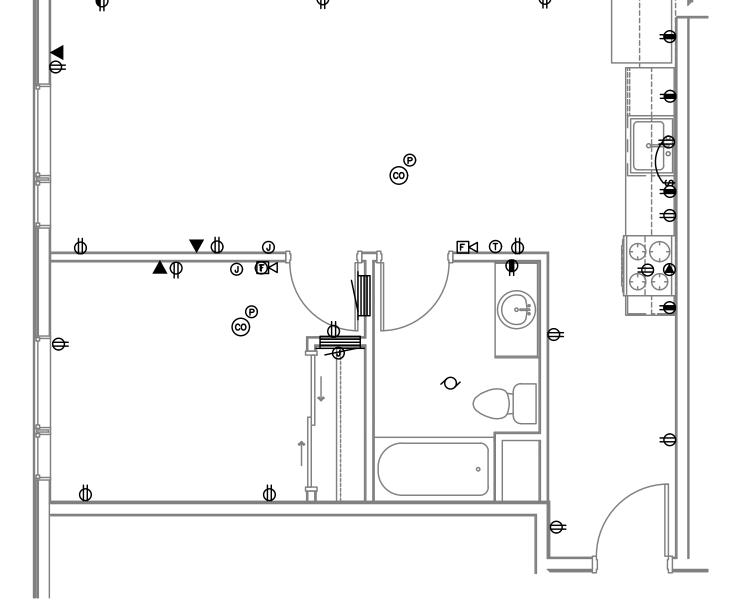
O NOTES: 2. xxxxxxxxxxxxxxxxxxxxxxx

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1 FOURTH FLOOR TECHNOLOGY PLAN

[73,04] SCALE: 1/8" = 1'-0"

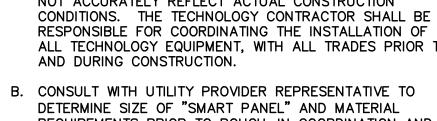




TYPICAL TECHNOLOGY - UNIT 1.2 TYPE A

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

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DETERMINE SIZE OF "SMART PANEL" AND MATERIAL REQUIREMENTS PRIOR TO ROUGH—IN COORDINATION AND INSTALLATION.

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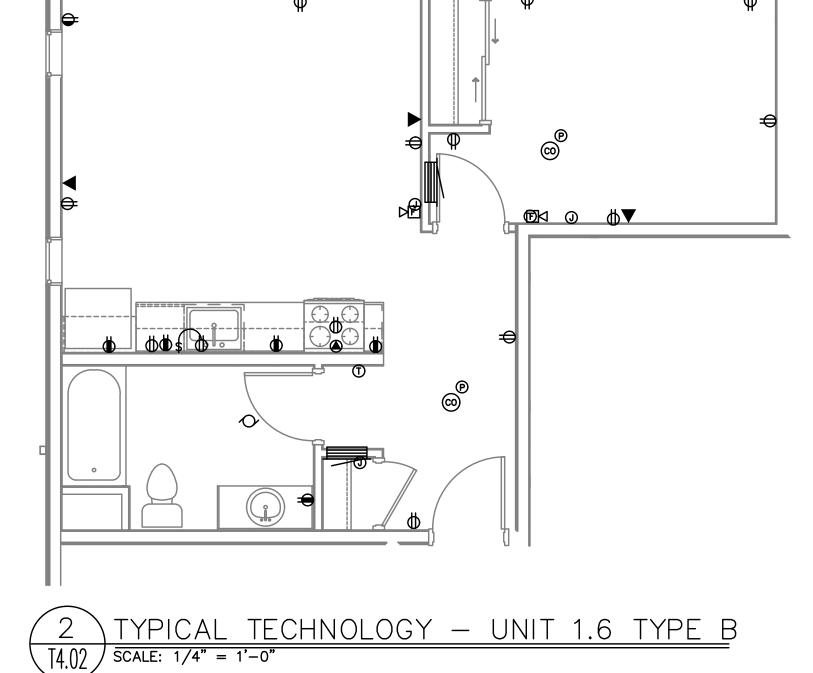
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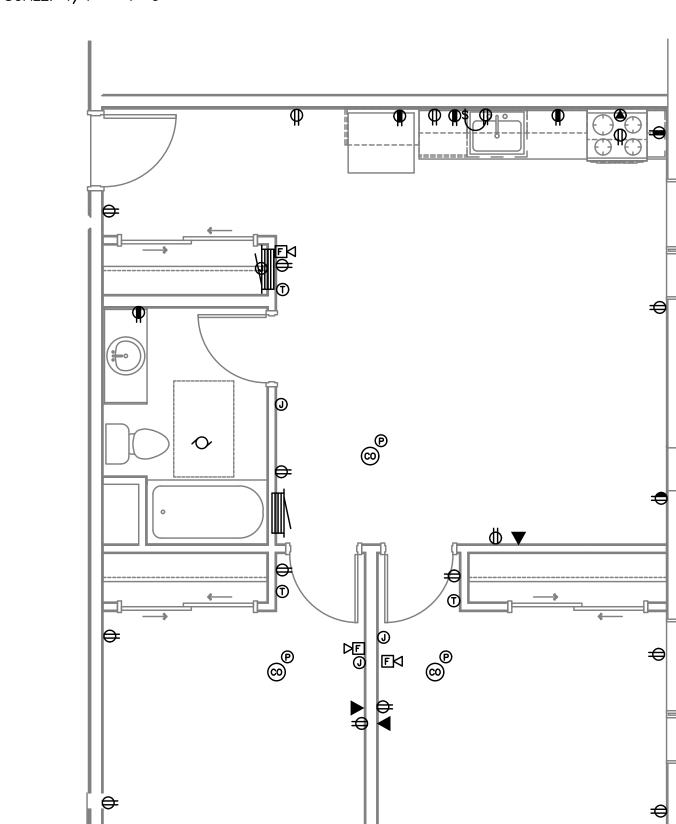
B. CONSULT WITH UTILITY PROVIDER REPRESENTATIVE TO

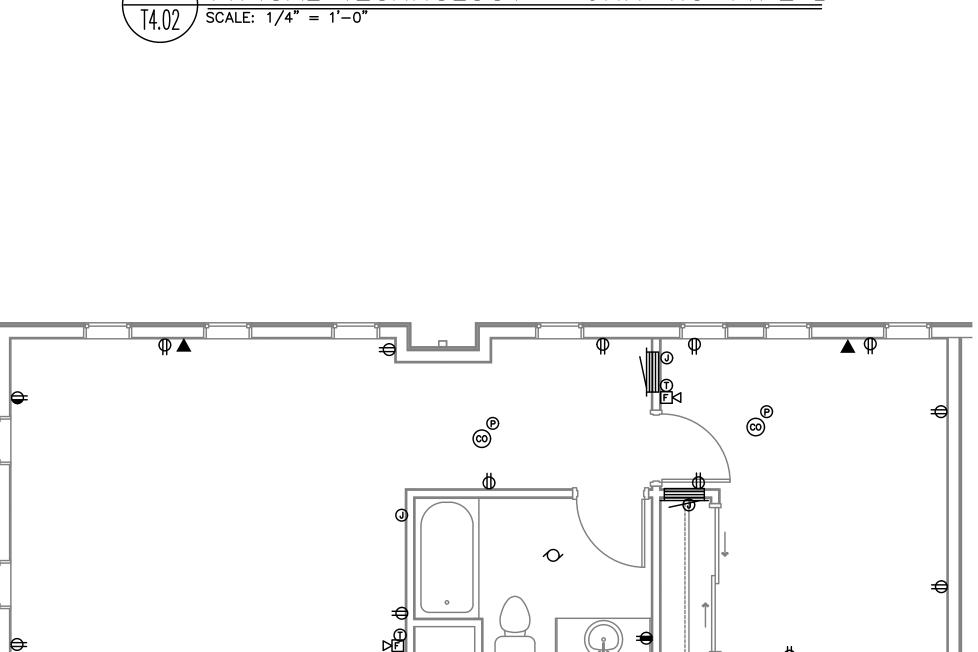
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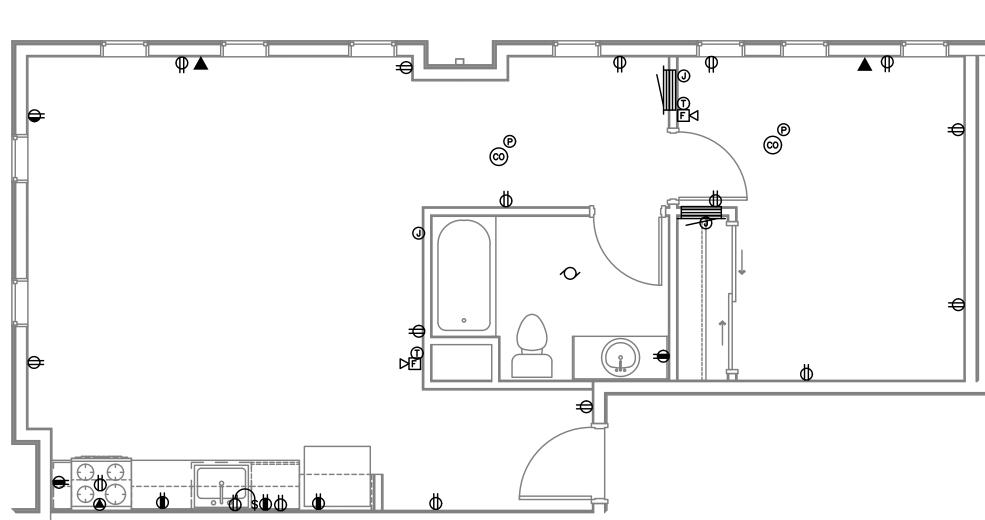
AND DURING CONSTRUCTION.







TYPICAL TECHNOLOGY - UNIT 1.5 TYPE B



T4.02 SCALE: 1/4" = 1'-0"

(4) TYPICAL TECHNOLOGY — UNIT 2.1 TYPE B

T4.02) SCALE: 1/4" = 1'-0"

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**GENERAL NOTES:** 

AND DURING CONSTRUCTION.

WITH ELECTRICAL.

A. TECHNOLOGY DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE TECHNOLOGY CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL TECHNOLOGY EQUIPMENT, WITH ALL TRADES PRIOR TO

DETERMINE SIZE OF "SMART PANEL" AND MATERIAL REQUIREMENTS PRIOR TO ROUGH—IN COORDINATION AND INSTALLATION.

B. CONSULT WITH UTILITY PROVIDER REPRESENTATIVE TO

C. THE TECHNOLOGY CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS

D. FOR VOICE/DATA OUTLETS PROVIDE A SINGLE GANG

MUD-RING AT THE SAME HEIGHT AS ADJACENT POWER OUTLET AND LESS THAN 18" SEPARATION. COORDINATE

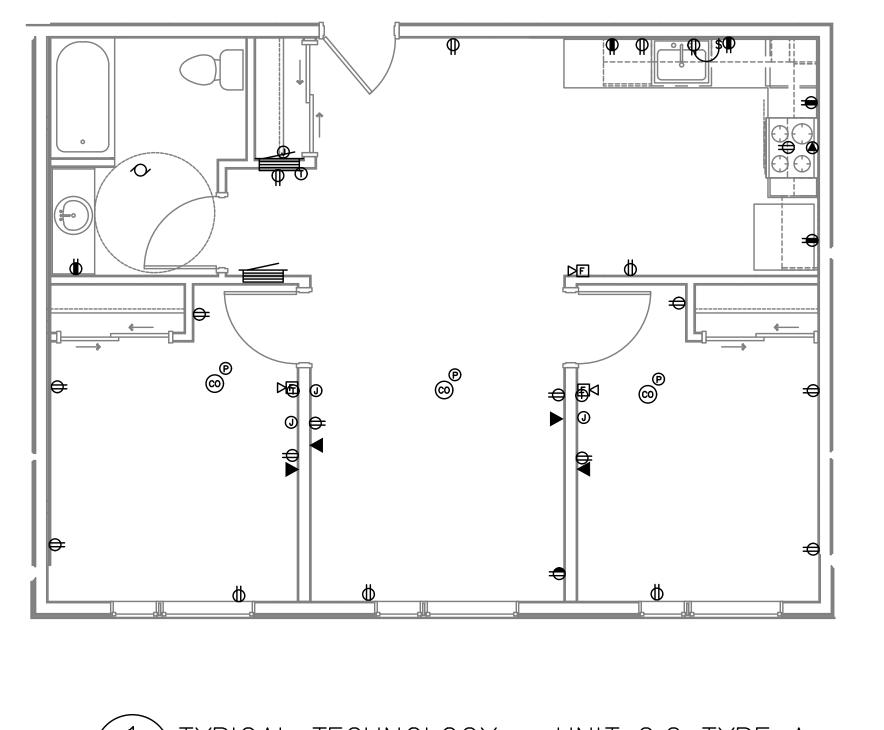
E. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.

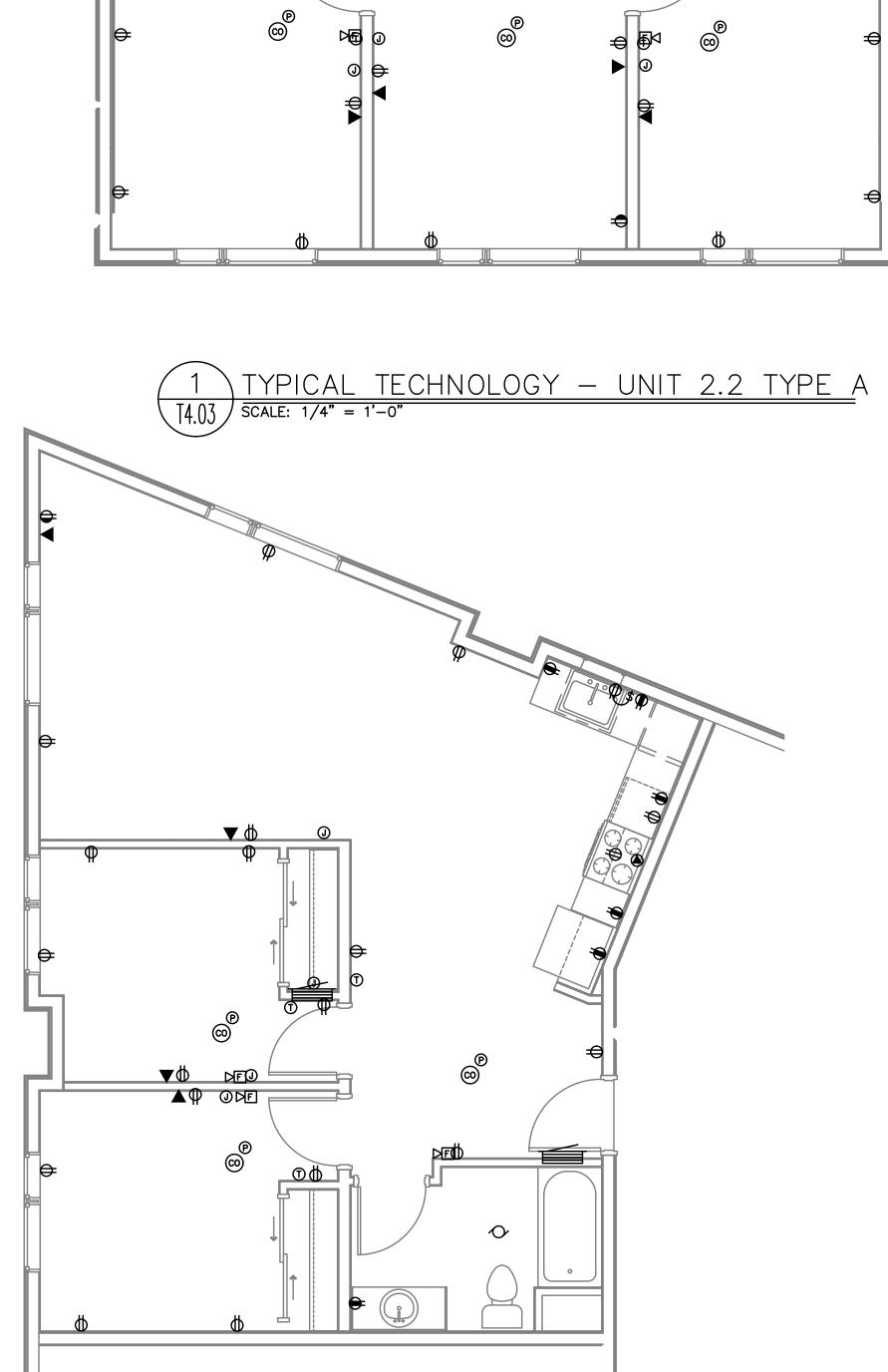
AND FINISHES OF DEVICES AND FIXTURES.

2 TYPICAL TECHNOLOGY - UNIT 2.3 TYPE B
T4.03 SCALE: 1/4" = 1'-0"

4 TYPICAL TECHNOLOGY - UNIT 2.5 TYPE B

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





TYPICAL TECHNOLOGY — UNIT 2.4 TYPE B

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