
























TELCOM SYMBOL LIST

FIRE ALARM SYMBOLS

	FIRE ALARM MANUAL PULL STATION, +48" A.F.F.
	MAGNETIC DOOR HOLDER
	SMOKE DETECTOR, DUCT, IONIZATION TYPE W/SAMPLING TUBE
	SMOKE DETECTOR, DUCT, PHOTO TYPE W/SAMPLING TUBE
	SMOKE DETECTOR, IONIZATION TYPE
	SMOKE DETECTOR, PHOTO TYPE
	HEAT DETECTOR, RATE-OF-RISE OR FIXED TEMP.
	FIRE MAIN FLOW DETECTION SWITCH
	FIRE MAIN TAMPER DETECTION SWITCH
	FIRE ALARM BELL, +80" A.F.F., U.O.N.
	FIRE ALARM HORN, +80" A.F.F.
	FIRE ALARM HORN/STROBE, +80" TO 96" A.F.F.
	FIRE ALARM STROBE, +80" TO 96" A.F.F.
	FIRE ALARM INPUT MODULE
	FIRE ALARM OUTPUT MODULE
	FIRE ALARM CONTROL PANEL
	FIRE ALARM REMOTE ANNUNCIATOR
	STAND ALONE – RESIDENTIAL SMOKE DETECTOR 120V W/ BATTERY
	CARBON MONOXIDE DETECTOR RESIDENTIAL 120V W/ BATTERY

NOTATIONS

	DRAWING NOTE
	DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
	MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
	EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)

NOTE: SOME OF THE SYMBOLS AND ABBREVIATIONS ON THIS LIST MAY NOT APPLY TO THIS PROJECT.

ABBREVIATIONS

A.F.F.	
APP.	APPROXIMATE
C	CONDUIT
C.O.	CONDUIT ONLY
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CLG	CEILING MOUNTED
(E)	EXISTING
FACP	FIRE ALARM CONTROL PANEL
FP	FACEPLATE
FS	FLOW SWITCH (SEE FIRE ALARM SYMBOLS)
FSD	FIRE/SMOKE DAMPER
GND	GROUND
I R	INFRARED
JB	JUNCTION BOX
N.I.C.	NOT IN CONTRACT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
P.A.	PUBLIC ADDRESS
P.E.T.	PROTECTIVE ENTRANCE TERMINAL
SD	SMOKE DAMPER
TS	TAMPER SWITCH (SEE FIRE ALARM SYMBOLS)
TTB	TELEPHONE TERMINAL BOARD
TYP.	TYPICAL
U.G.	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
W.G.	WIRE GUARD
W.P.	WEATHERPROOF
X.P.	EXPLOSION PROOF









GENERAL NOTES:

- A. DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE & NATIONAL CODES.
- C. CONTRACTOR SHALL REVIEW THE DIVISION 27&28 SPECIFICATIONS AND THE ENTIRE DRAWING PACKAGE FOR THIS PROJECT PRIOR TO THE START OF ANY WORK.
- D. THE INSTALLING CONTRACTOR SHALL CONSULT WITH ALL OTHER TRADES PRIOR TO ROUGH-IN TO COORDINATE ANY ADDITIONAL BLOCKING, ACCESS, OR POWER REQUIRED FOR DEVICES TO BE INSTALLED.
- E. THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT OF ANY DISCREPANCIES DISCOVERED WITHIN THE DOCUMENTS.
- F. ALL PRODUCT SUBMITTALS AND SUBSTITUTIONS SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLACING ANY ORDERS.
- G. THE INSTALLING CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES.
- H. REFER TO ENLARGED UNIT PLANS (T4 SERIES SHEETS) FOR TYPICAL SMART PANEL, TELCOM DEVICES, AND FIRE ALARM LAYOUT.
- I. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH PGE ELECTRICAL SERVICE REQUIREMENTS.

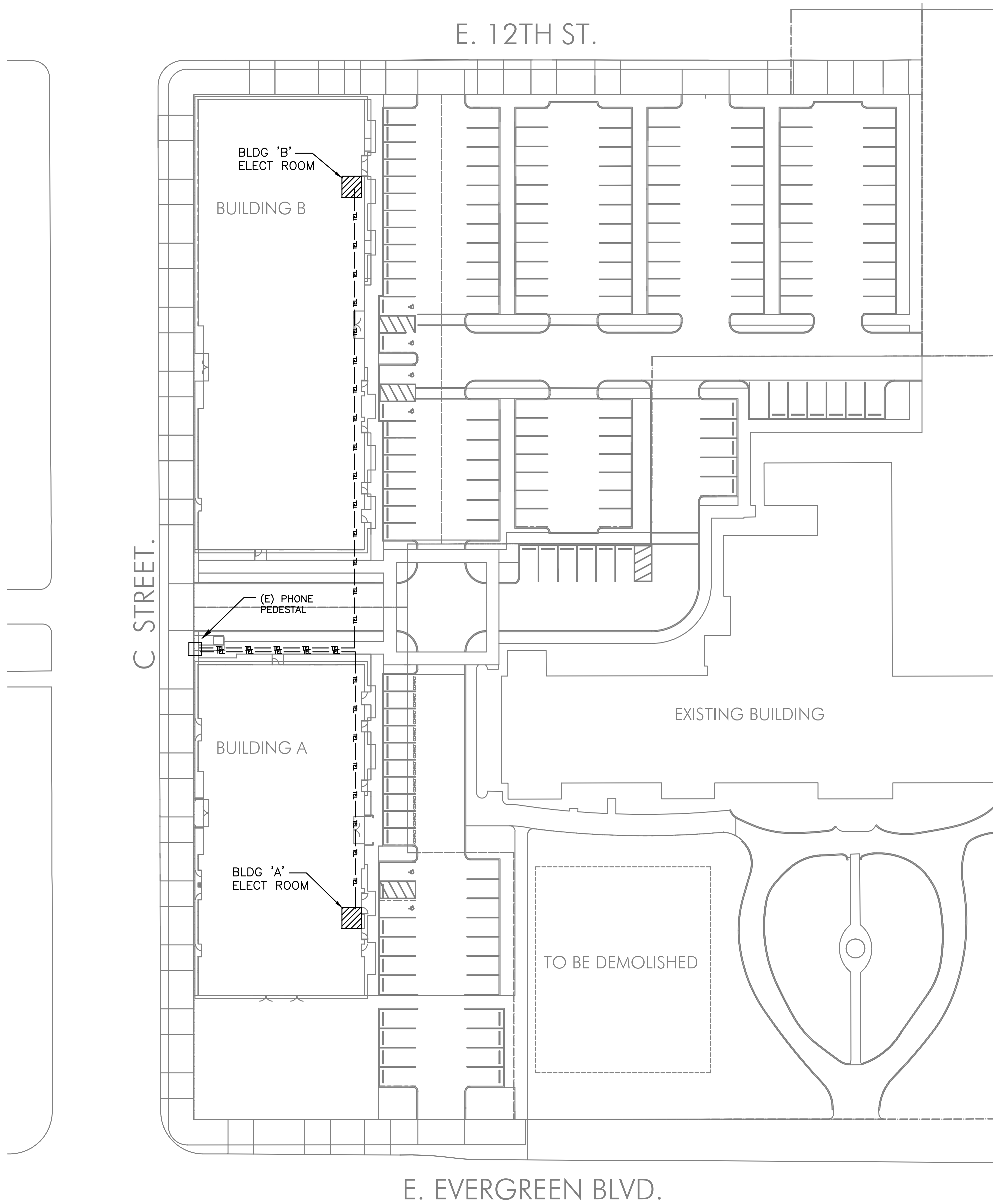
DESIGN INTENT:

- A. TELEPHONE AND DATA DESIGN AS SHOWN IS ROUGH-IN ONLY, PROVIDING BACK BOX AND CONDUIT TO ACCESSIBLE CEILING SPACE. FINAL DESIGN OF CABLING AND EQUIPMENT WILL BE COMPLETED BY OWNER SELECTED VENDOR.
- B. ACCESS CONTROL AS SHOWN IS ROUGH-IN ONLY, PROVIDING BACK BOX AND CONDUIT TO ACCESSIBLE CEILING SPACE. FINAL DESIGN OF CABLING AND EQUIPMENT WILL BE COMPLETED BY OWNER SELECTED VENDOR.
- C. SECURITY SYSTEM DESIGN AS SHOWN IS ROUGH-IN ONLY, PROVIDING BACK BOX AND CONDUIT TO ACCESSIBLE CEILING SPACE. FINAL DESIGN OF CABLING AND EQUIPMENT WILL BE COMPLETED BY OWNER SELECTED VENDOR.

ROUGH-IN MATRIX

	SYSTEM	DEVICE	BACK BOX	CONDUIT COUNT AND SIZE
	ACCESS CONTROL	APARTMENT ENTRY	PER SYSTEM DESIGNER	(2) 1" CONDUITS
	ACCESS CONTROL	CARD READER	SINGLE GANG	SEE DETAIL 1, T1.22
	CCTV	CAMERA	SINGLE GANG	(1) 3/4" CONDUIT
	AREA OF REFUGE	CALL BOX	PER SYSTEM DESIGNER	(1) 1" CONDUIT
	DATA	WiFi	SINGLE GANG	(1) 3/4" CONDUIT
	TELEPHONE/DATA	RESIDENT OUTLET	SINGLE GANG MUDRING	3/4" FLEX TO SMART PANEL
	AUDIO/VISUAL	AUDIO CONTROL	SINGLE GANG	(1) 3/4" CONDUIT
	DATA	OFFICE OUTLET	SINGLE GANG	(1) 3/4" CONDUIT

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GENERAL POWER 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. COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT SIZES AND ROUTING.

CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES BEFORE TRENCHING.

UTILITY REQUIREMENTS

1. CUSTOMER TO PROVIDE ALL TRENCHING AND BACKFILLING. TRENCH TO BE 36 INCHES DEEP AND 30 INCHES WIDE, MEASURED FROM FINAL GRADE.
2. ALL UTILITY CONDUCTORS TO BE INSTALLED IN GRAY SCHEDULE 40, ELECTRICAL GRADE, PVC CONDUIT WITH NYLON PULL STRINGS (MIN 500 LBS. TEST). ALL BENDS MUST BE FACTORY MADE. IF MORE THAN 270 DEGREES OF BENDS OR IF RUN IS LONGER THAN 150 FEET, BENDS MUST BE RIGID STEEL.
3. CONSULT WITH UTILITY REPRESENTATIVES 2 WEEKS BEFORE STARTING MAIN POWER TRENCHING FOR A PRE-CONSTRUCTION CONFERENCE. INCLUDED IN THIS CONFERENCE WILL BE EXCAVATOR, PGE, TELCO, CATV, AND GAS.

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T1.01

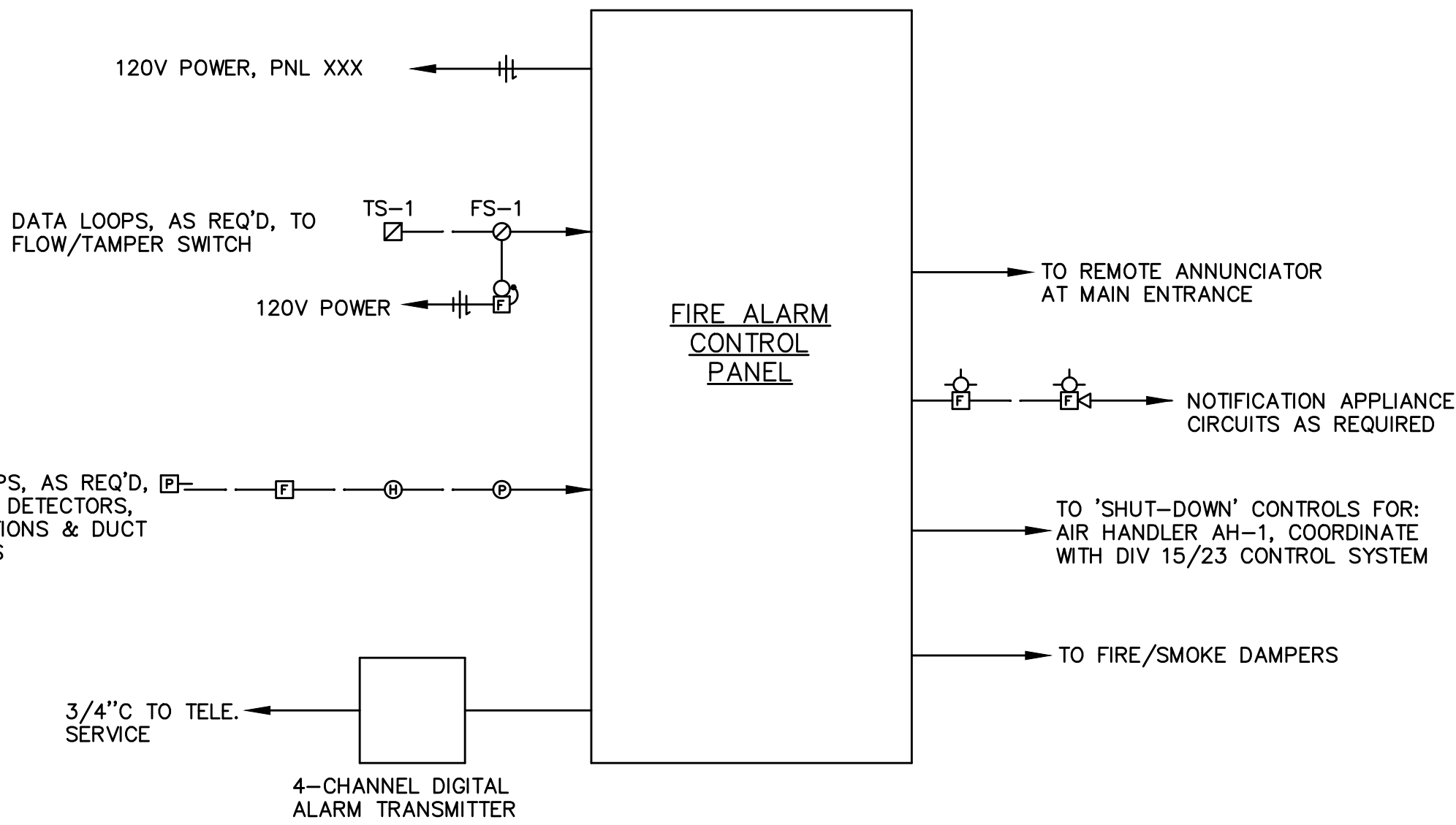
TECHNOLOGY SITE PLAN

SCALE: 1" = 30'-0"

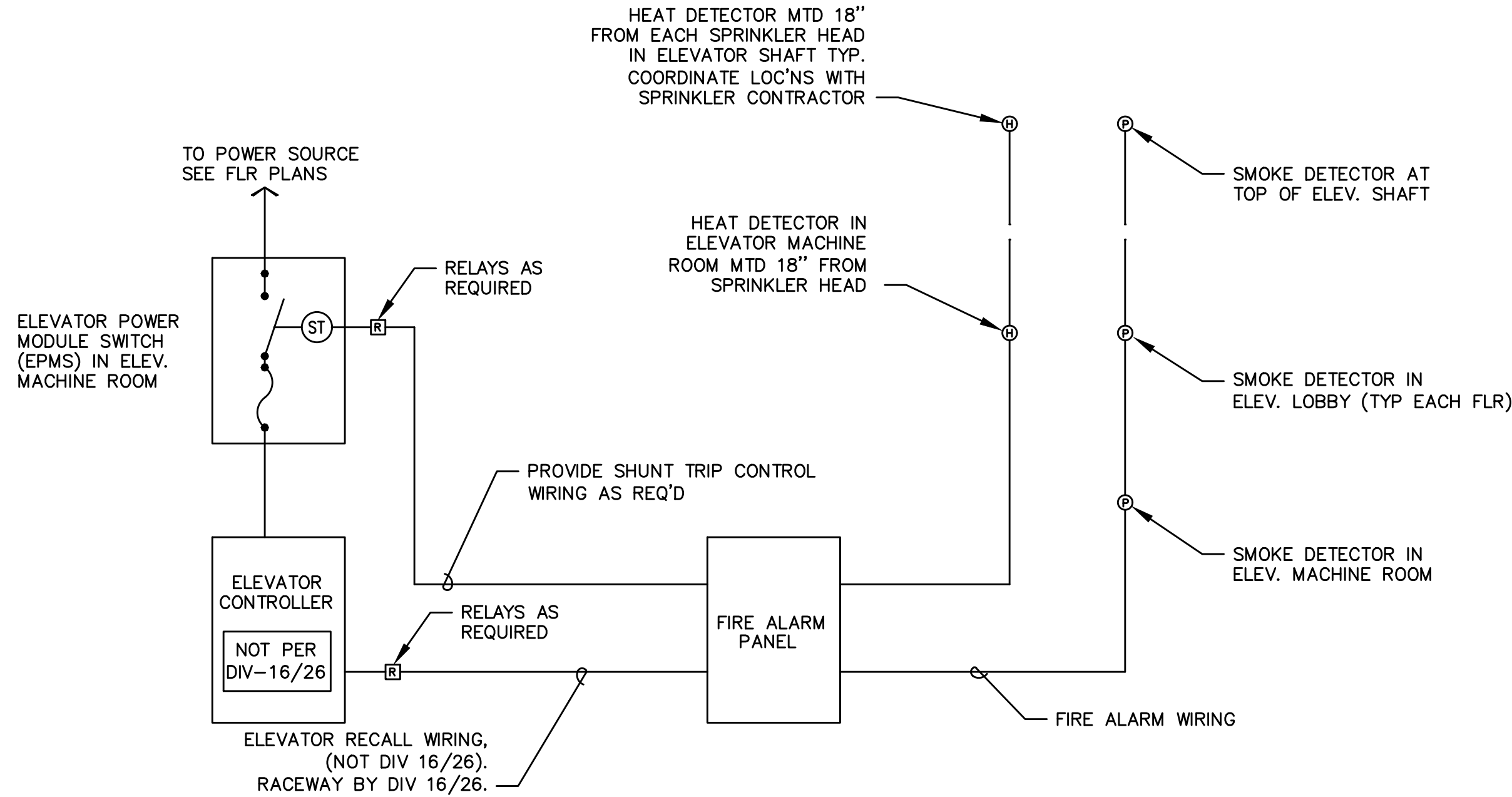
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SHEET:

**T1.01**



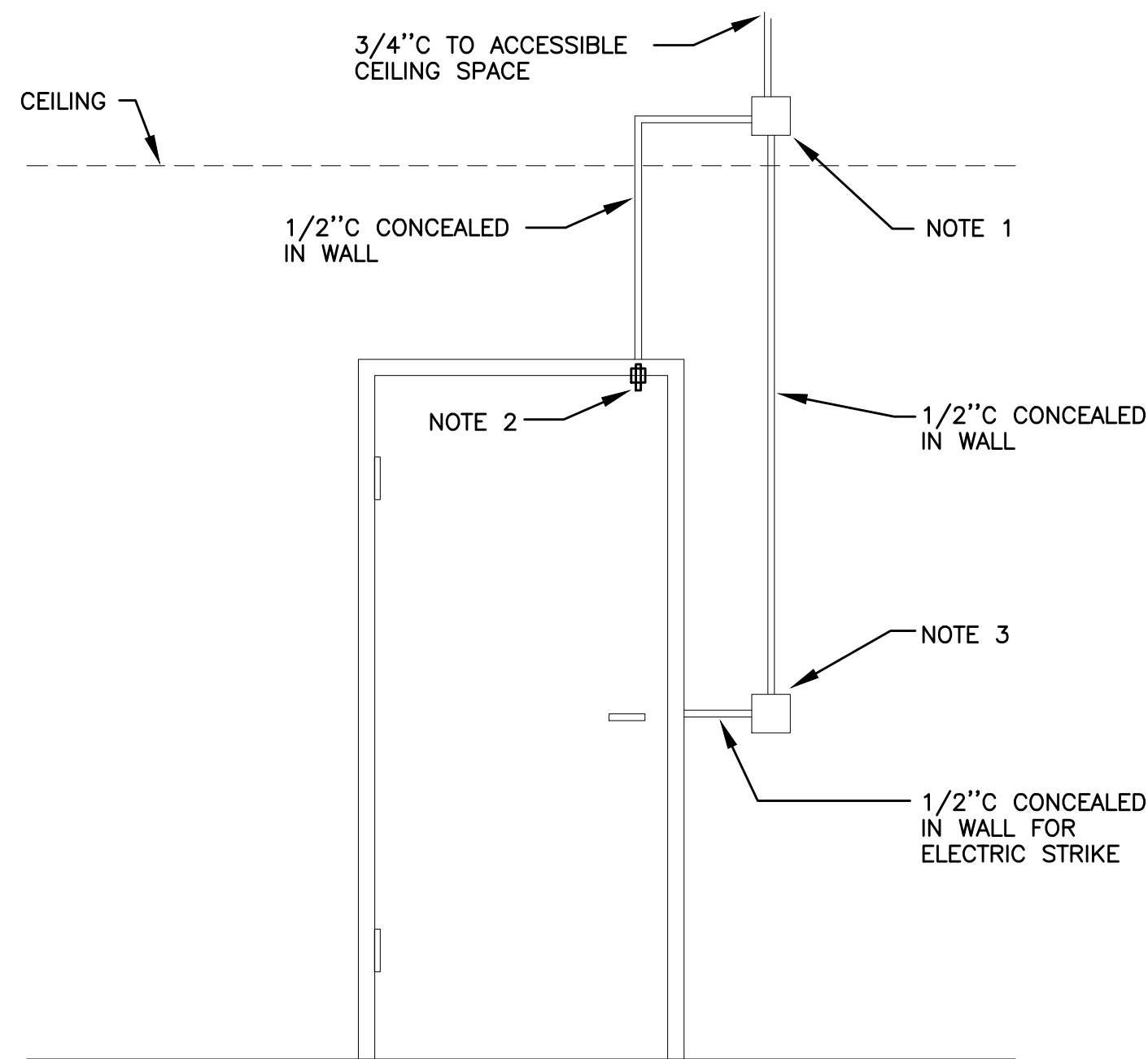
1 FIRE ALARM DETAIL  
T1.21 N.T.S.



NOTES

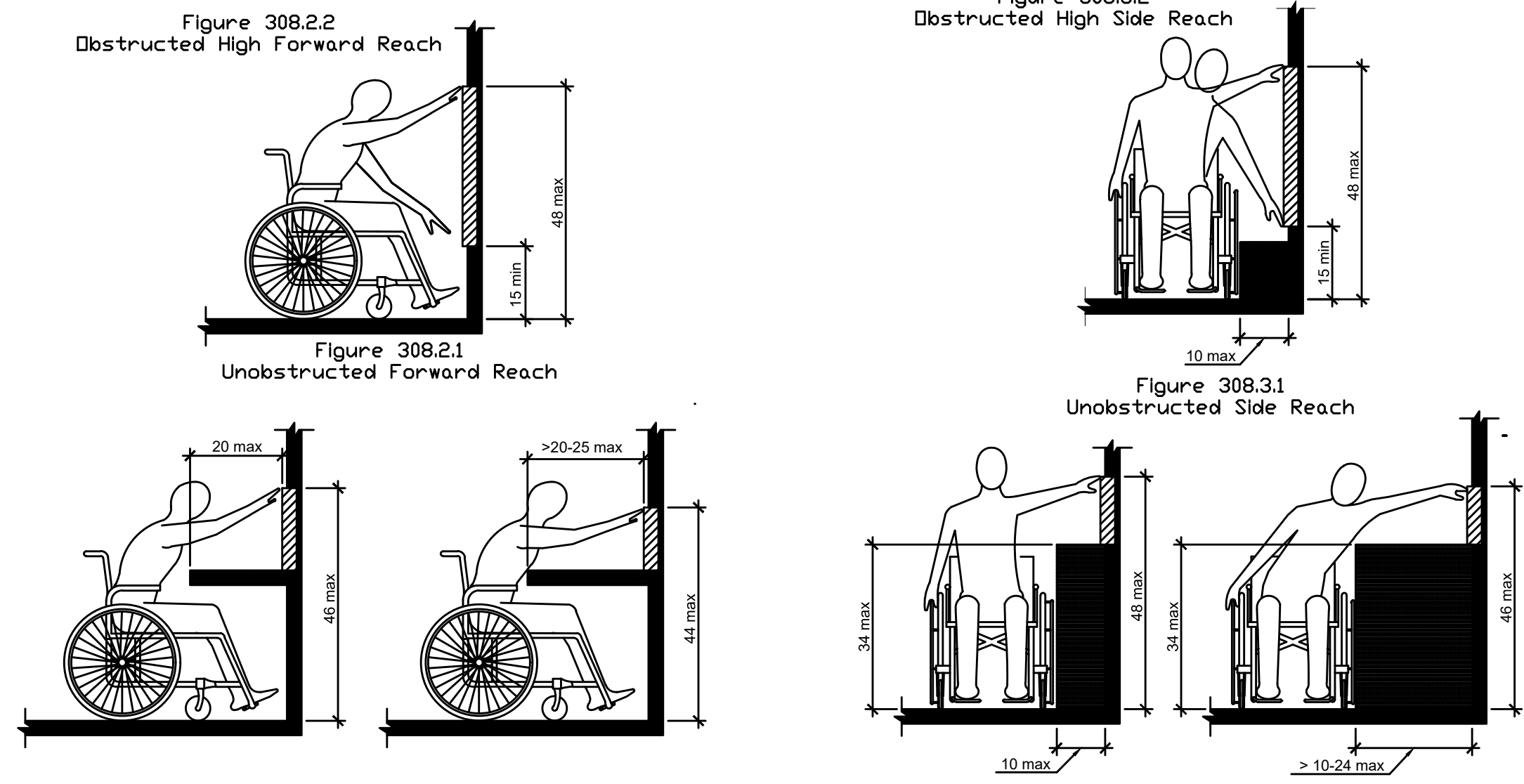
1. CONNECT HEAT DETECTORS IN MACHINE RM AND ELEVATOR SHAFT SUCH THAT AN ALARM CONDITION WILL ACTIVATE SHUNT TRIP DEVICE IN 'EMPS'.
2. CONNECT SMOKE DETECTORS IN MACHINE ROOM, ELEVATOR LOBBYS, AND ELEVATOR SHAFT SUCH THAT AN ALARM CONDITION WILL ACTIVATE ELEVATOR RECALL SYSTEM. COORDINATE WITH ELEVATOR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

2 ELEVATOR RECALL & AUTO DISCONNECT DETAIL  
T1.21 NTS



- SECURITY ROUGH-IN NOTES**
1. 4 SQUARE J-BOX @ 0'-6" ABOVE FINISHED CEILING, VERIFY WITH ARCHITECT.
  2. DOOR STATUS CONTACT, ONLY NEEDED WHEN STRIKE DOES NOT HAVE INTEGRAL SWITCH.
  3. DBL GANG BOX, PROVIDE SNGL GANG REDUCER RING IF NEEDED BY SECURITY DEVICE. COORDINATE WITH ARCHITECT TO MEET ADA REQUIREMENTS.

**1 ACCESS CONTROL ROUGH-IN ELEVATION**  
T1.22 SCALE: NOT TO SCALE



**1 ADA REACH REQUIREMENTS**  
E1.22 NO SCALE

**308.2 Forward Reach.**

**308.2.1 Unobstructed.** Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the floor or ground.

**308.2.2 Obstructed High Reach.** Where a high forward reach is over an obstruction, the clear floor or ground space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum.

**308.3 Side Reach.**

**308.3.1 Unobstructed.** Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48" maximum and the low side reach shall be 15" minimum above the floor or ground.  
**Exception:** Existing elements shall be permitted at 54" maximum above the floor or ground.

**308.3.2 Obstructed High Reach.** Where a clear floor or ground space allows a parallel approach to an object and the high side reach is over an obstruction, the height of the obstruction shall be 34" maximum and the depth of the obstruction shall 24" maximum. The high side reach shall be 48" maximum for a reach depth of 10" maximum. Where the reach depth exceeds 10", the high side reach shall be 46" maximum for a reach depth of 24" maximum.

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**T1.22**

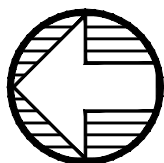
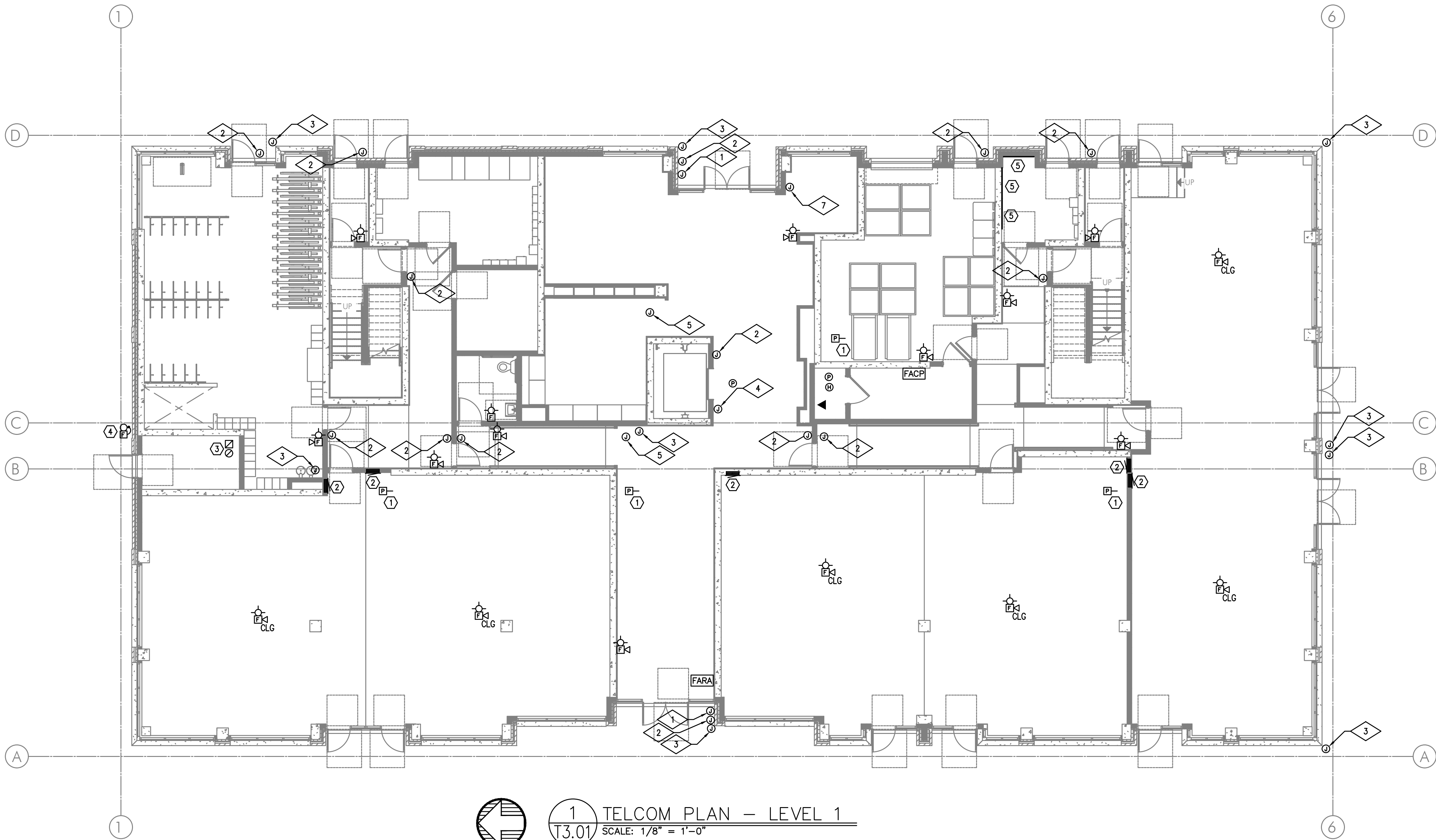


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- B. FOR VOICE/DATA OUTLETS IN COMMERCIAL SPACE, PROVIDE A SINGLE GANG MUD-RING WITH A 1" CONDUIT FROM THE TOP OF THE MUD-RING TO ACCESSIBLE CEILING SPACE. TERMINATE CONDUIT WITH END CONNECTORS AND THREAD ON PLASTIC BUSHING FOR CABLE PROTECTION. OUTLET SHALL BE AT THE SAME HEIGHT AS ADJACENT POWER OUTLET AND LESS THAN 18" SEPARATION. COORDINATE WITH ELECTRICAL.
- C. PROVIDE 3/4" CONDUIT FROM FIRE ALARM, ACCESS CONTROL, SECURITY, AND CCTV LOCATIONS TO ACCESSIBLE CEILING SPACE WITH CABLE PROTECTION AT BOTH ENDS.
- D. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- E. PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- F. ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

NOTES:

1. VERIFY THE EXACT LOCATION OF FIRE/SMOKE AND/OR SMOKE DAMPER WITH MECHANICAL PLANS.
2. PROVIDE SMART PANEL WITH (2) 1" CONDUITS TO ACCESSIBLE CEILING SPACE FOR UTILITY DEMARCATION.
3. VERIFY NUMBER OF DEVICES NECESSARY WITH FIRE SPRINKLER PLANS.
4. PROVIDE FIRE SPRINKLER BELL OF WEATHERPROOF HORN-STROBE DEPENDING ON JURISDICTION REQUIREMENTS.
5. PROVIDE FIRE RATED PLYWOOD BACKBOARD PER UTILITY REQUIREMENTS FOR DEMARCATION EQUIPMENT.
6. STUB OUT CONDUITS FOR CCTV IN FUTURE CANOPY.



1  
T3.01  
SCALE: 1/8" = 1'-0"

TELCOM PLAN — LEVEL 1

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- E. PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- F. ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

NOTES:

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- 5. PROVIDE FIRE RATED PLYWOOD BACKBOARD PER UTILITY REQUIREMENTS FOR DEMARCATION EQUIPMENT.
- 6. STUB OUT CONDUITS FOR CCTV IN FUTURE CANOPY.



1 TELCOM PLAN - LEVEL 2  
3.02 SCALE: 1/8" = 1'-0"

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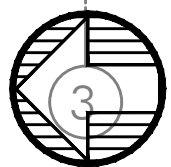
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T3.02

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6. STUB OUT CONDUITS FOR CCTV IN FUTURE CANOPY.



1  
T3.03  
TECLOM PLAN - LEVEL 3  
SCALE: 1/8" = 1'-0"

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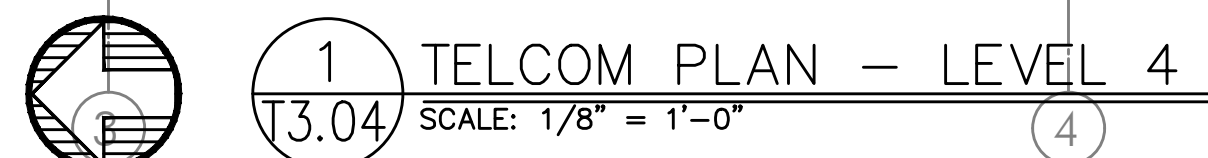
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SHEET:

A  
T3.03

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- B. FOR VOICE/DATA OUTLETS IN COMMERCIAL SPACE, 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. PROVIDE 3/4" CONDUIT FROM FIRE ALARM, ACCESS CONTROL, SECURITY, AND CCTV LOCATIONS TO ACCESSIBLE CEILING SPACE WITH CABLE PROTECTION AT BOTH ENDS.
- D. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- E. PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- F. ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

1. VERIFY THE EXACT LOCATION OF FIRE/SMOKE AND/OR SMOKE DAMPER WITH MECHANICAL PLANS.
2. PROVIDE SMART PANEL WITH (2) 1" CONDUITS TO ACCESSIBLE CEILING SPACE FOR UTILITY DEMARCATION.
3. VERIFY NUMBER OF DEVICES NECESSARY WITH FIRE SPRINKLER PLANS.
4. PROVIDE FIRE SPRINKLER BELL OF WEATHERPROOF HORN-STROBE DEPENDING ON JURISDICTION REQUIREMENTS.
5. PROVIDE FIRE RATED PLYWOOD BACKBOARD PER UTILITY REQUIREMENTS FOR DEMARCATION EQUIPMENT.
6. STUB OUT CONDUITS FOR CCTV IN FUTURE CANOPY.



# A

## 3.04

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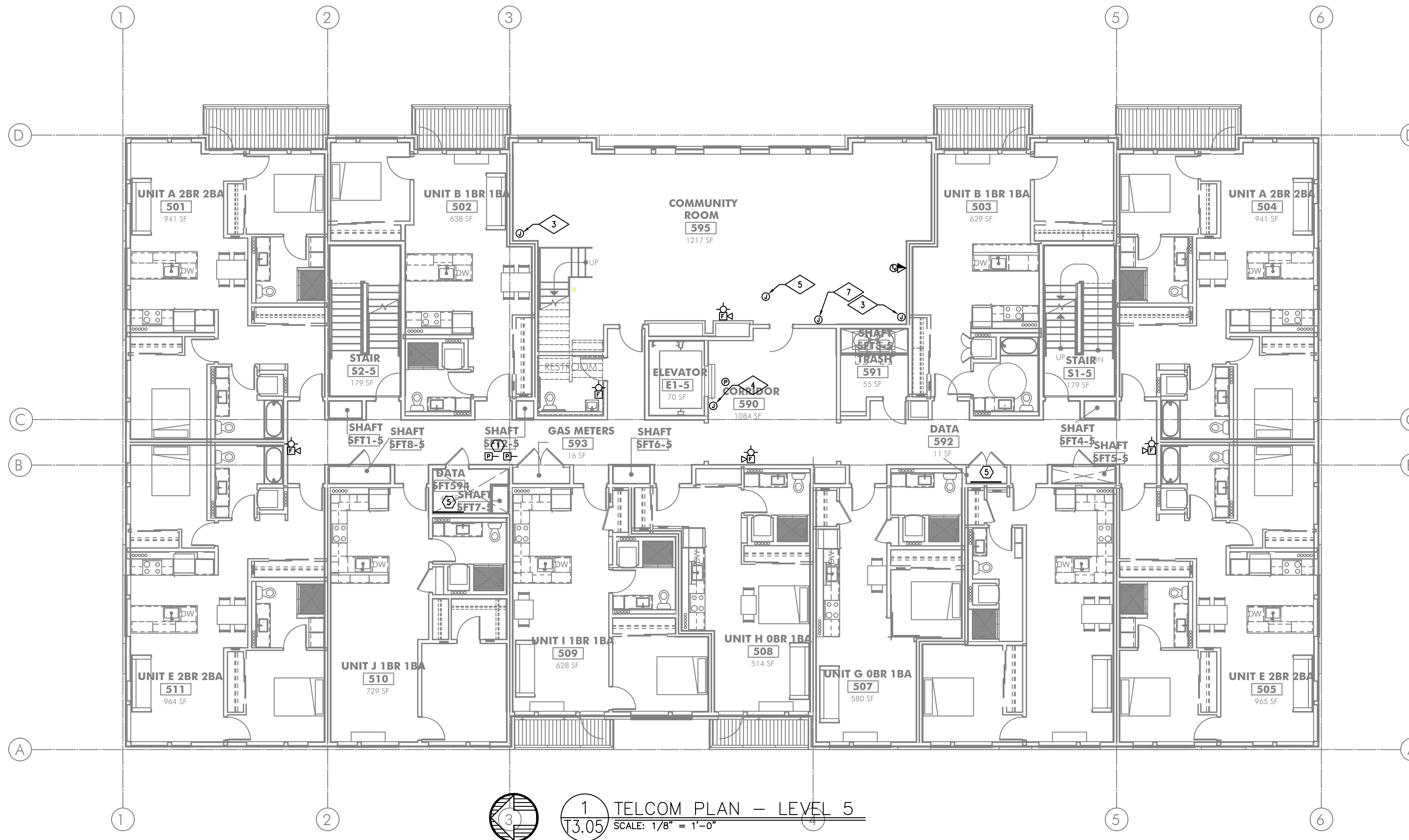


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### NOTES:

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STUDIO

3

ARCHITECTURE  
INCORPORATED

275 COURT ST. NE  
SALEM, OR 97301-3442  
P: 503.390.6500  
www.studio3architecture.com

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PROJECT # 2017-053  
DATE: 07/12/2019

REVISIONS

**AEGIS**  
**MIXED-USE DEVELOPMENT**  
312 E EVERGREEN BOULEVARD, VANCOUVER, WA 98660

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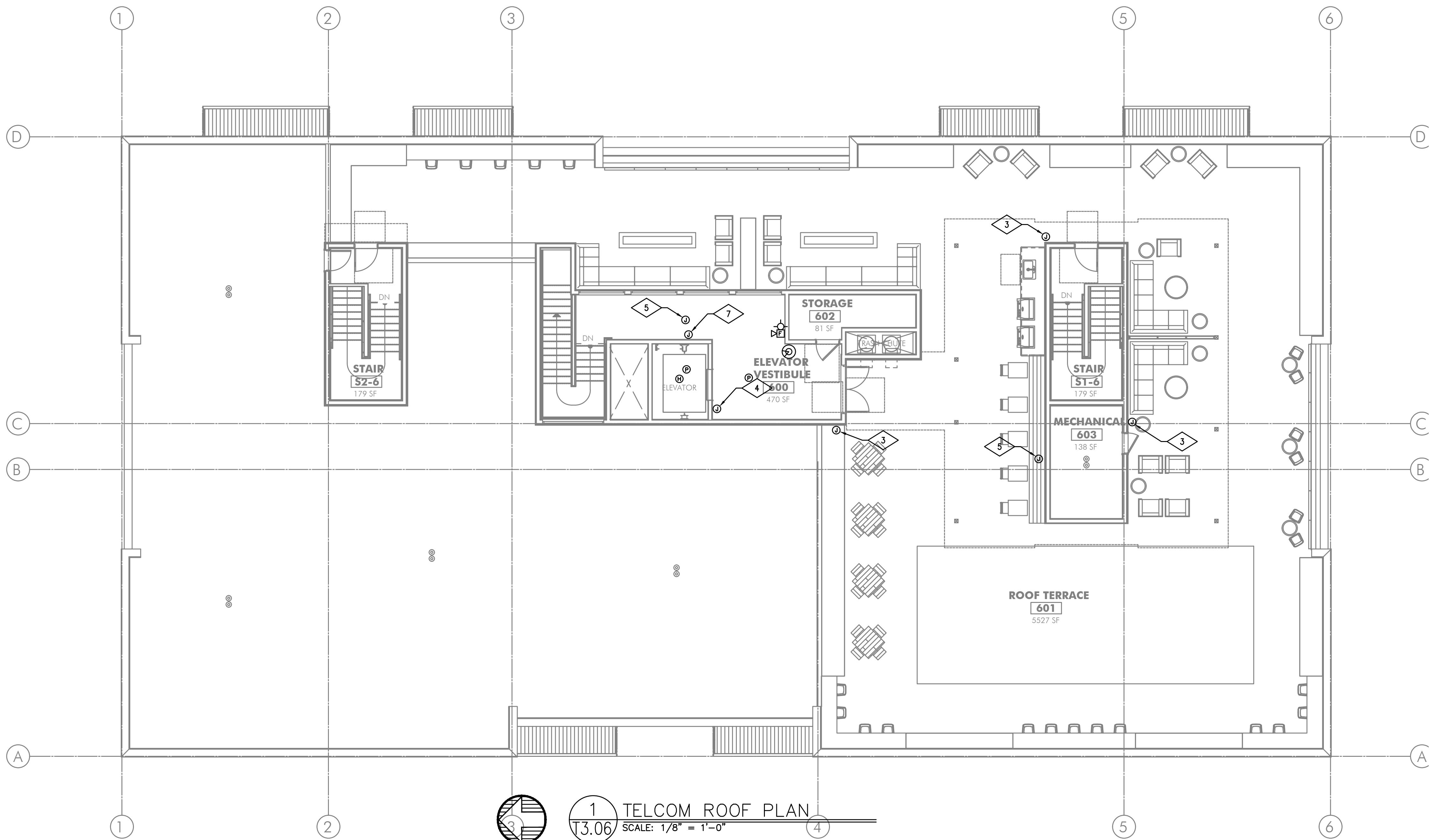
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**A**  
**T3.06**



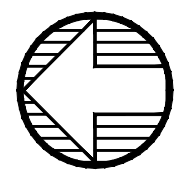
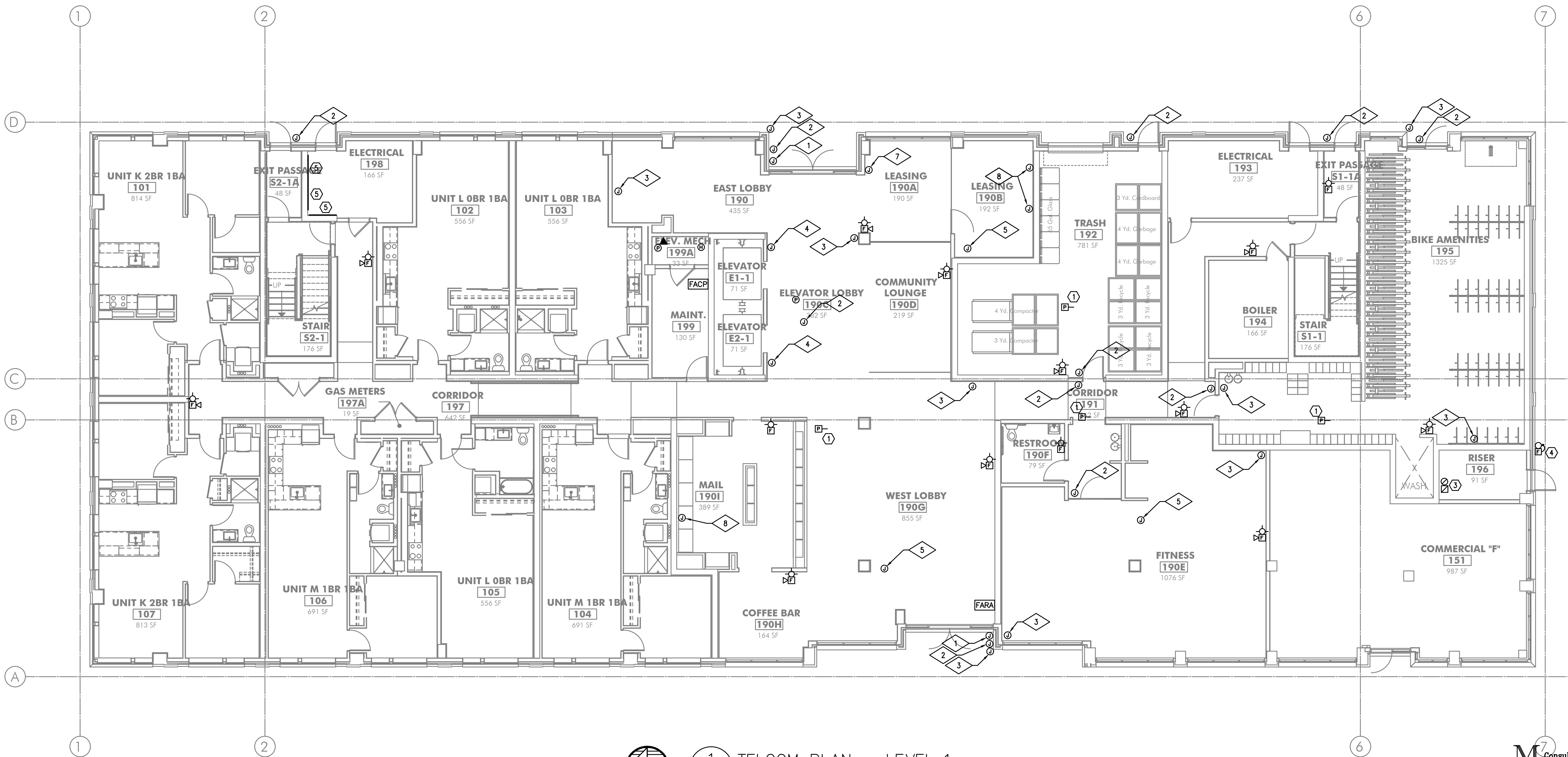


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NOTES:

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1 TELCOM PLAN — LEVEL 1  
T3.01 SCALE: 1/8" = 1'-0"

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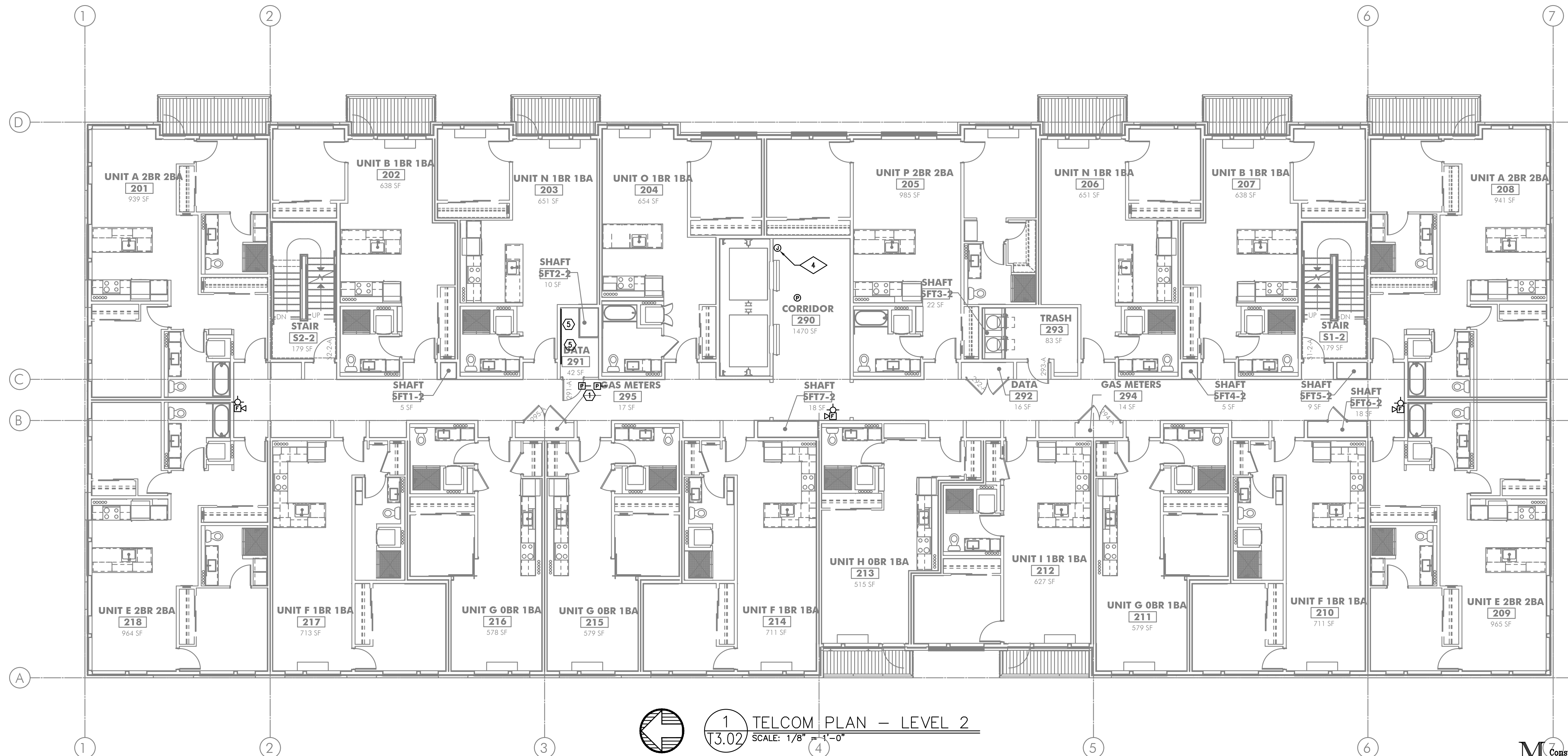
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SHEET:

# B T3.02

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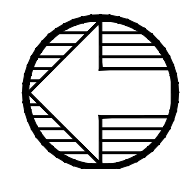
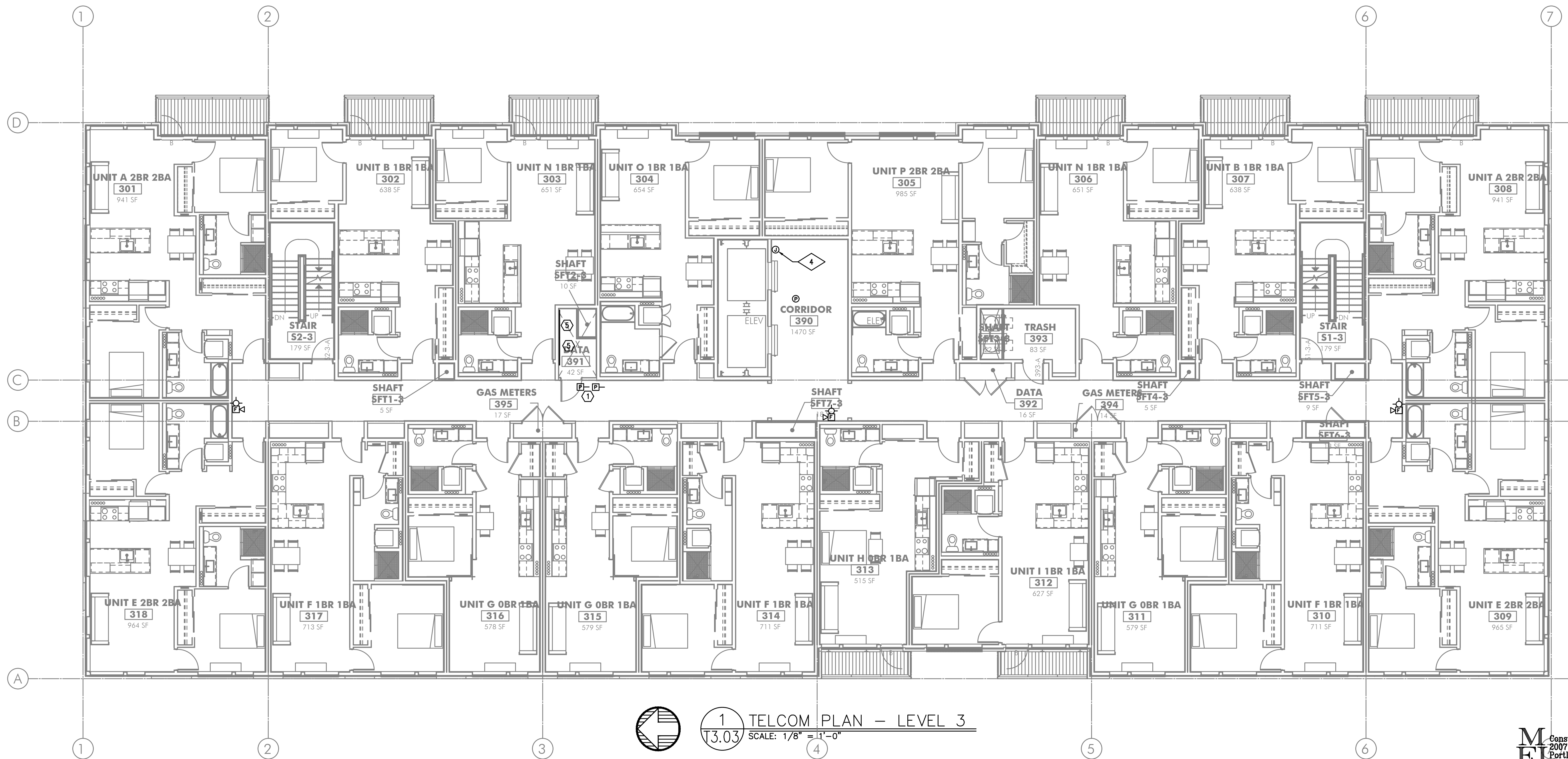
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1 TELCOM PLAN - LEVEL 3  
13.03 SCALE: 1/8" = 1'-0"

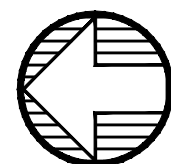
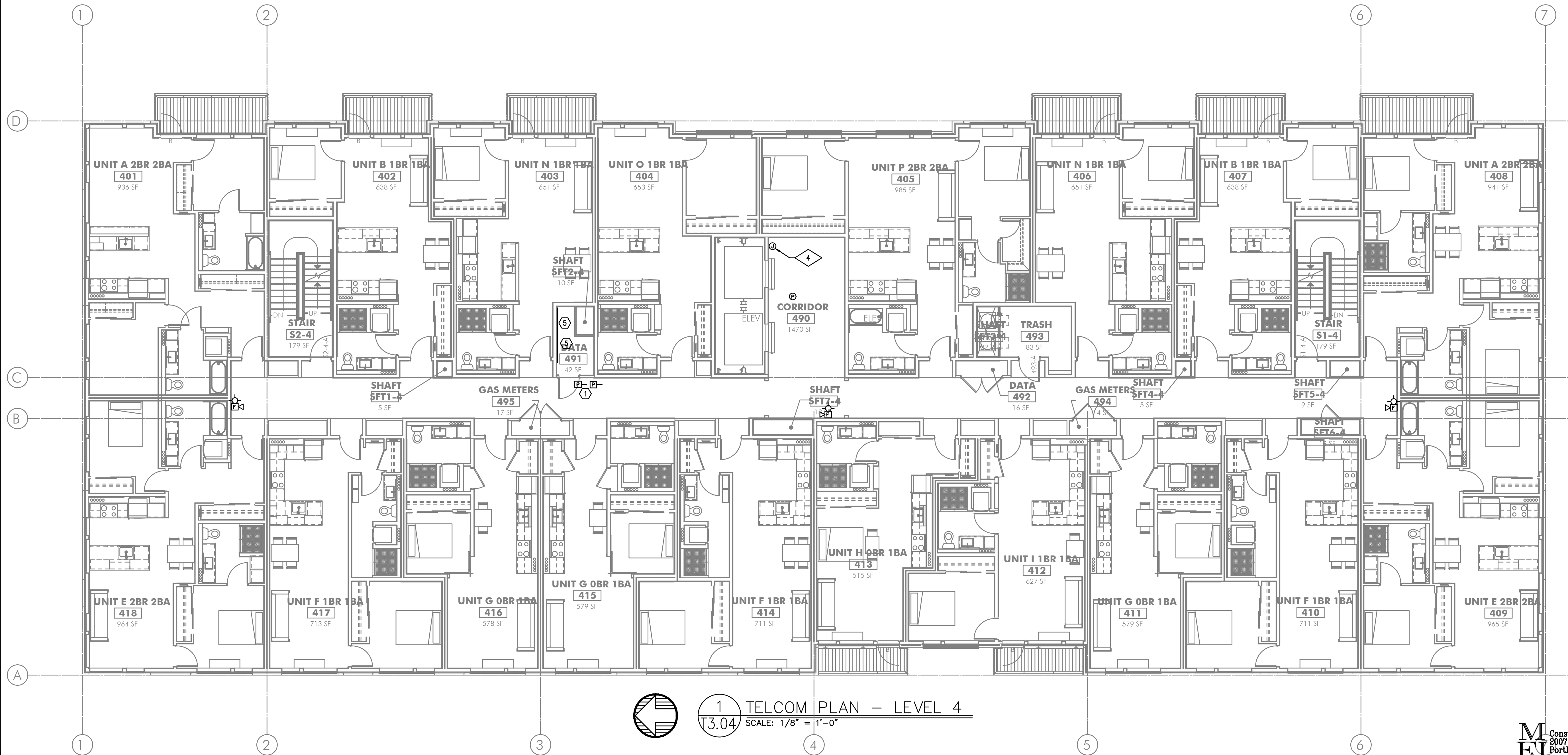
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1  
T3.04  
TELCOM PLAN — LEVEL 4  
SCALE: 1/8" = 1'-0"

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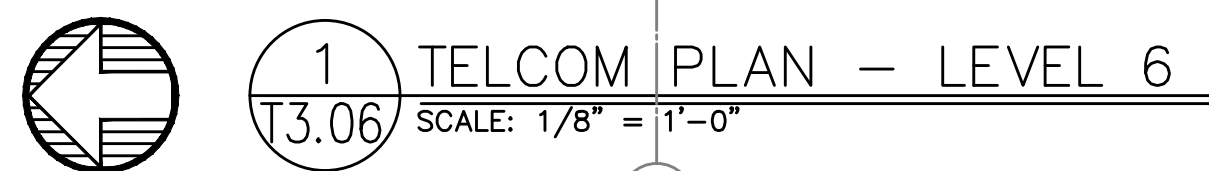
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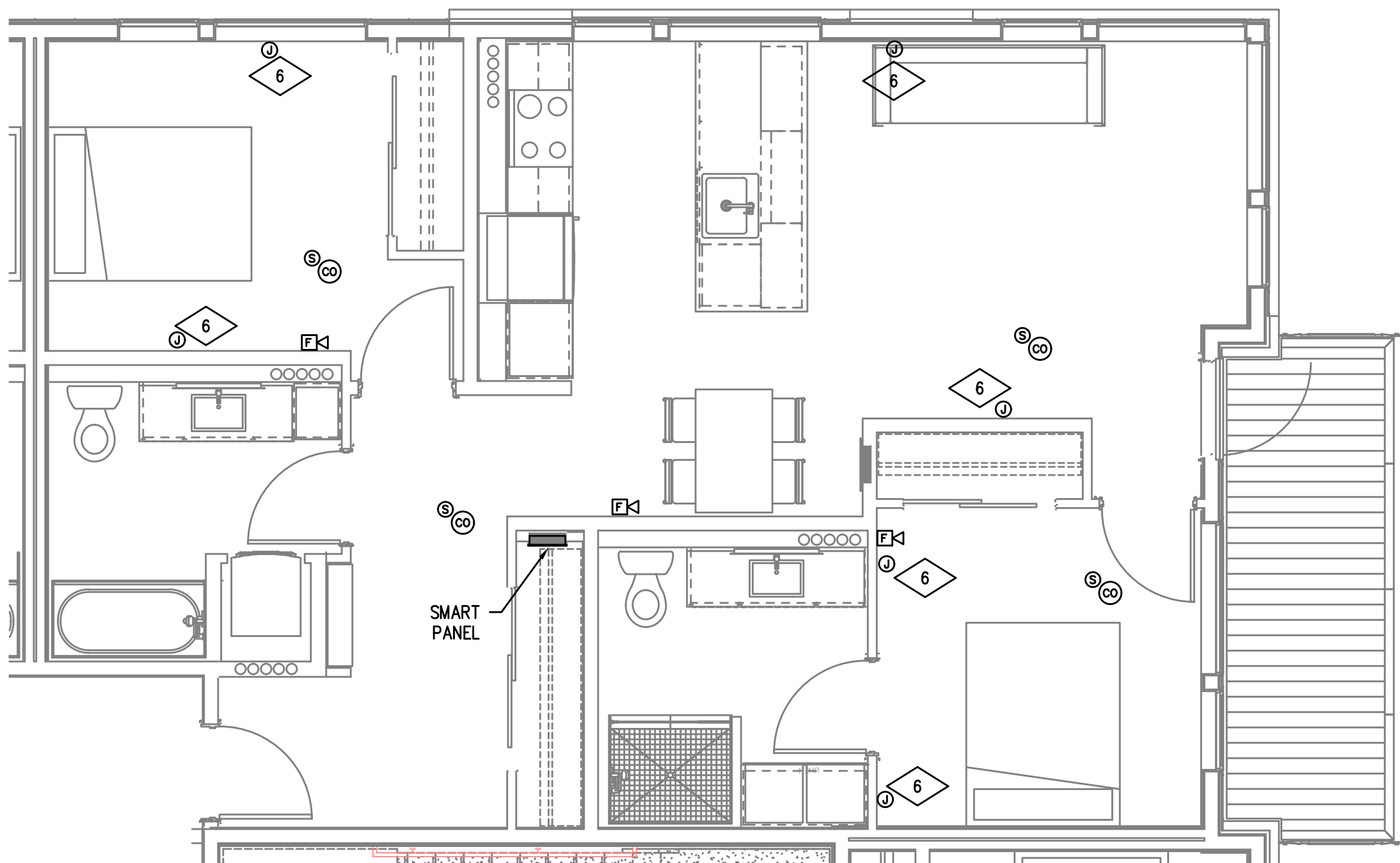
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T4.11

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A**  
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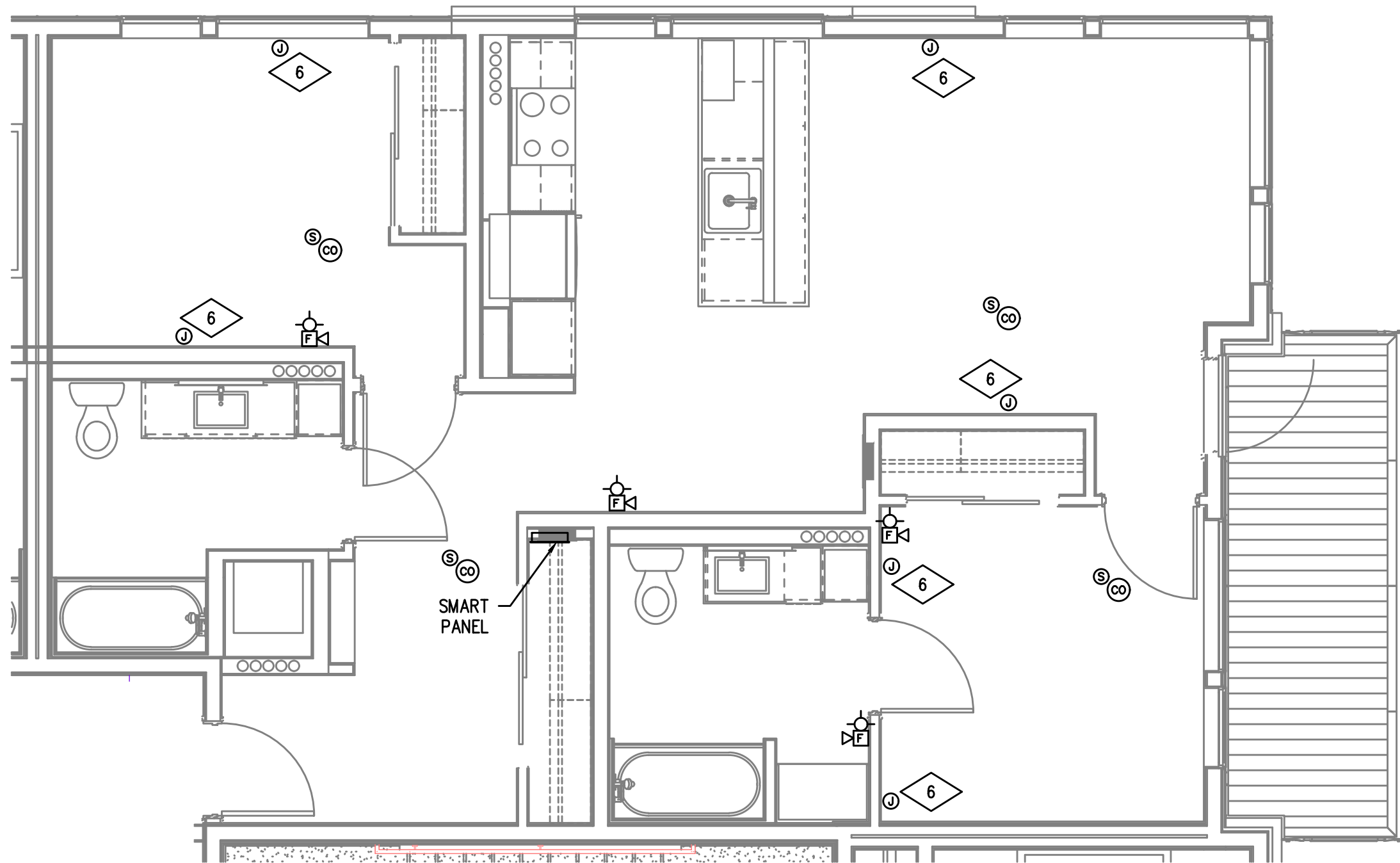
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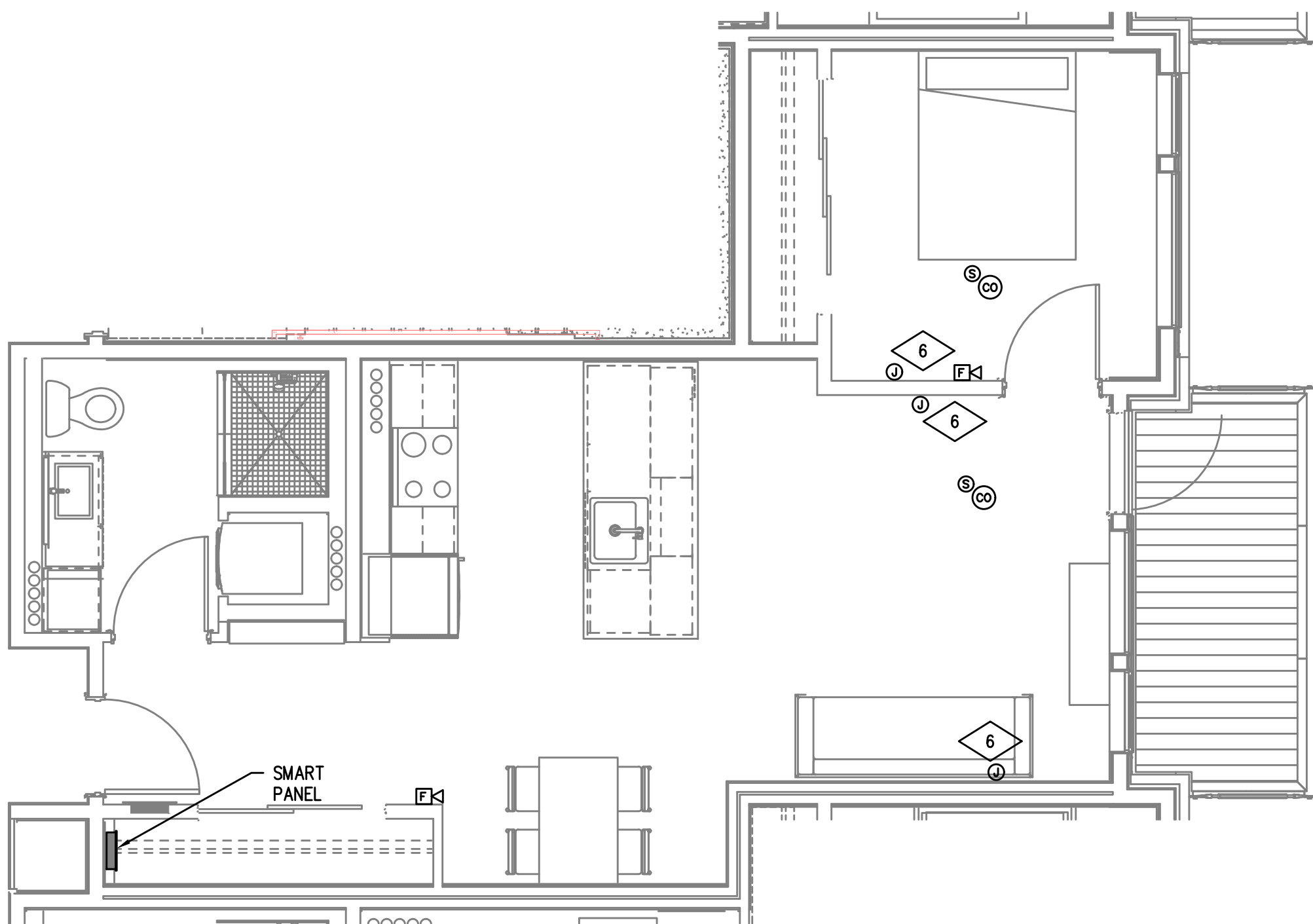
TYPICAL UNIT TYPE A

1 2 BED/2 BATH – TELCOM PLAN  
T4.11 SCALE: 1/4" = 1'-0"



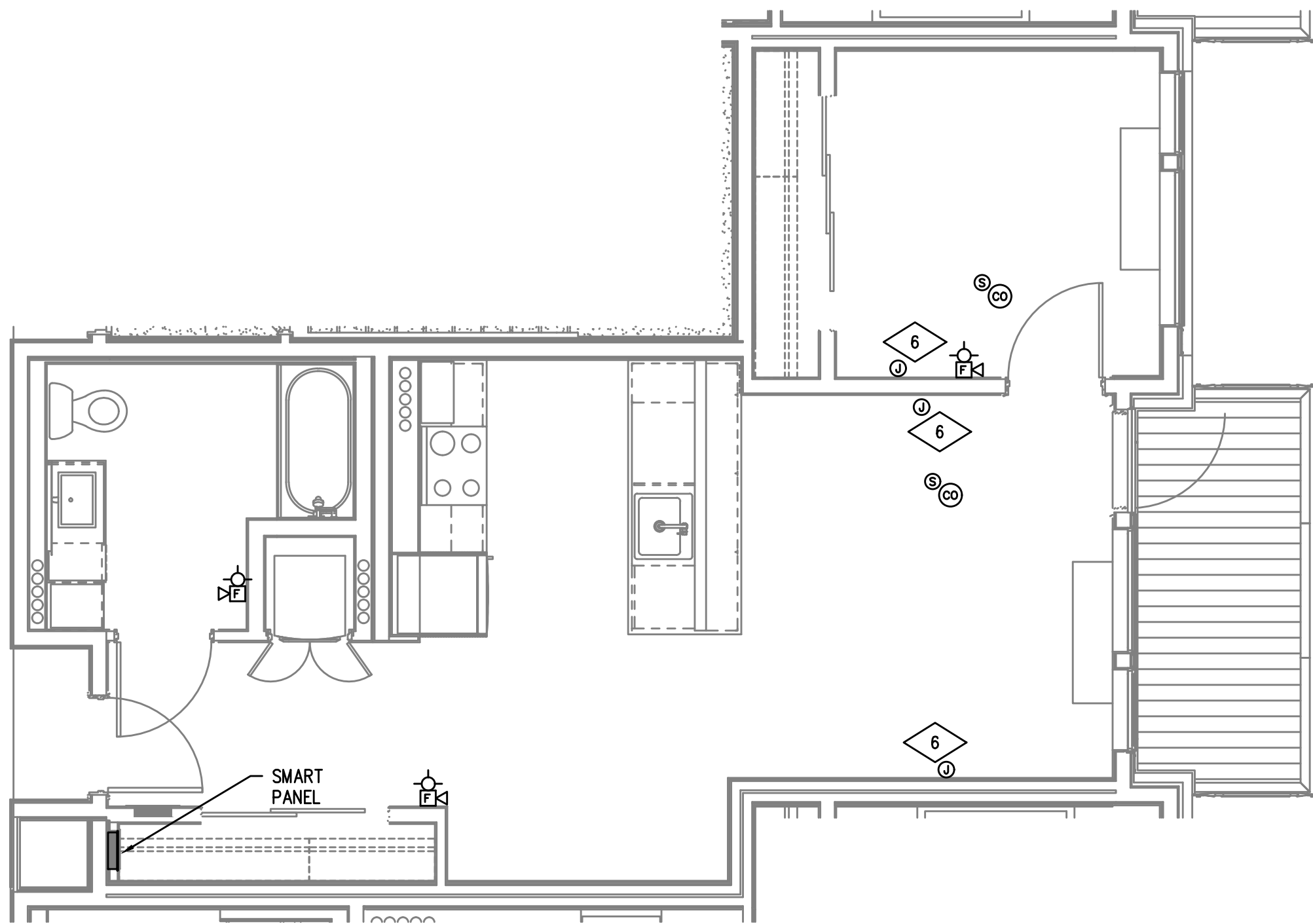
TYPICAL UNIT TYPE A-ADA

2 2 BED/2 BATH – TELCOM PLAN  
T4.11 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE B

3 1 BED/1 BATH – TELCOM PLAN  
T4.11 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE B-ADA

4 1 BED/1 BATH – TELCOM PLAN  
T4.11 SCALE: 1/4" = 1'-0"

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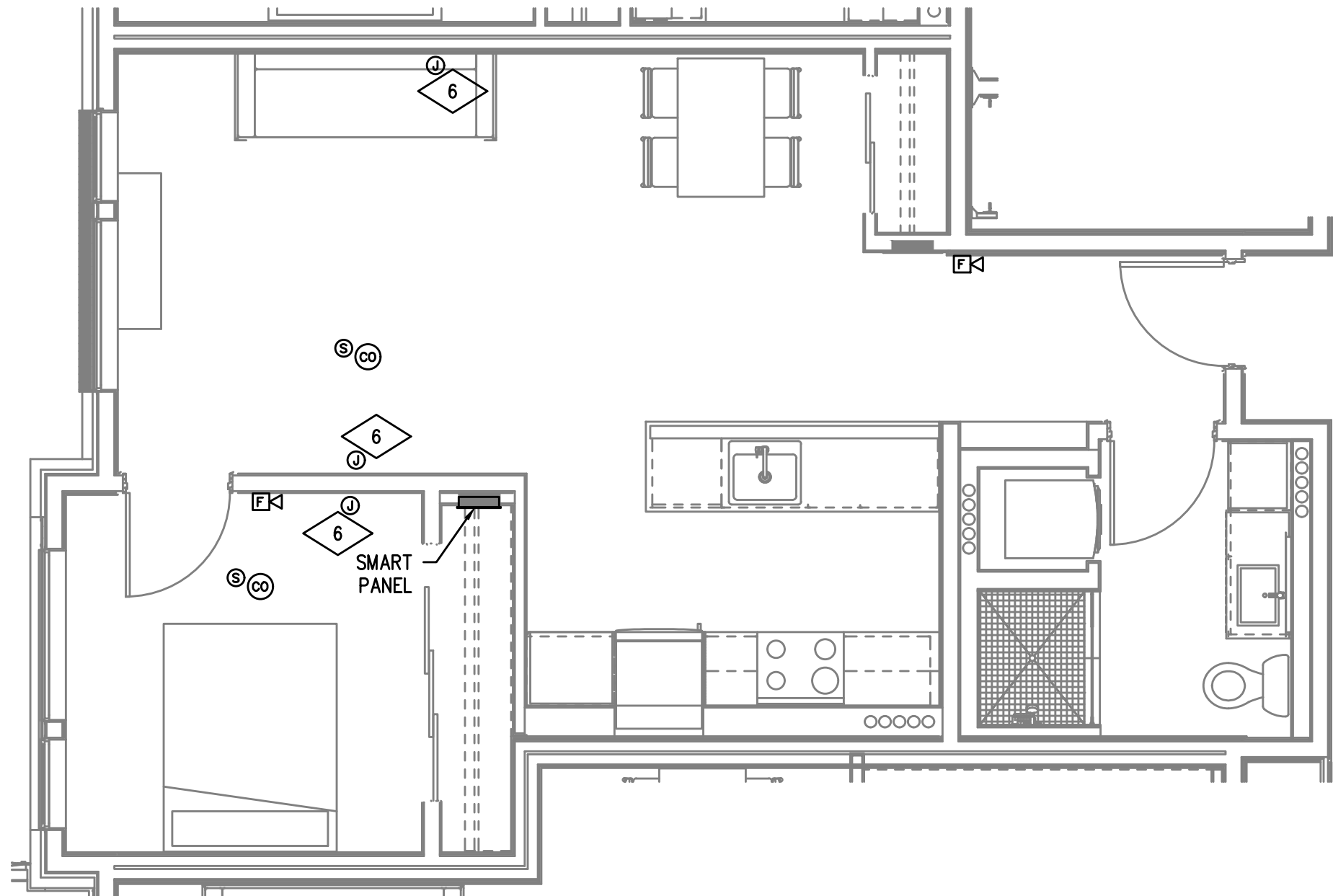
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**T4.12**

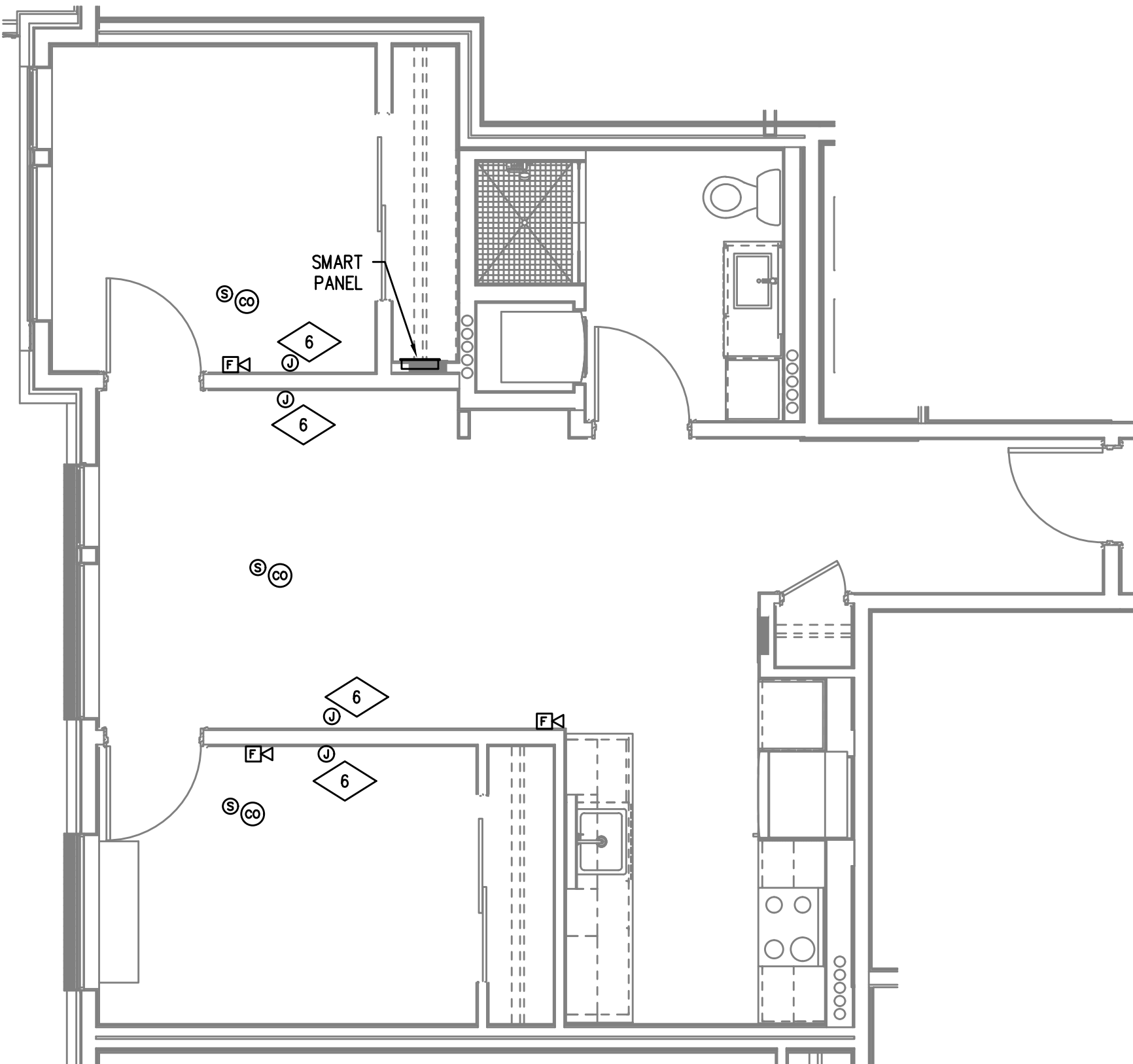
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- PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.



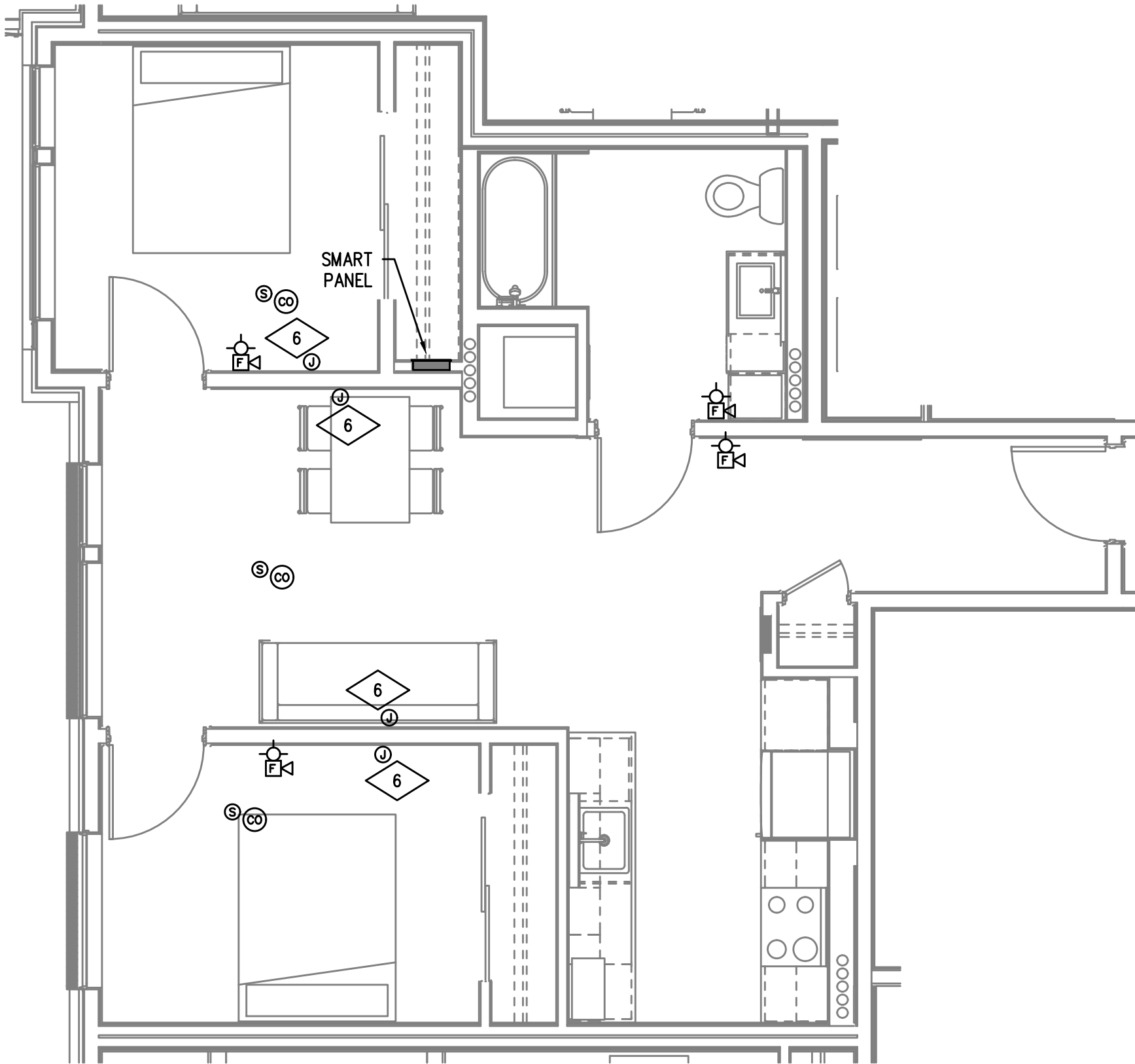
TYPICAL UNIT TYPE C

1 1 BED/1 BATH – TELCOM PLAN  
T4.12 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE D

2 2 BED/1 BATH – TELCOM PLAN  
T4.12 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE D-ADA

3 2 BED/1 BATH – TELCOM PLAN  
T4.12 SCALE: 1/4" = 1'-0"

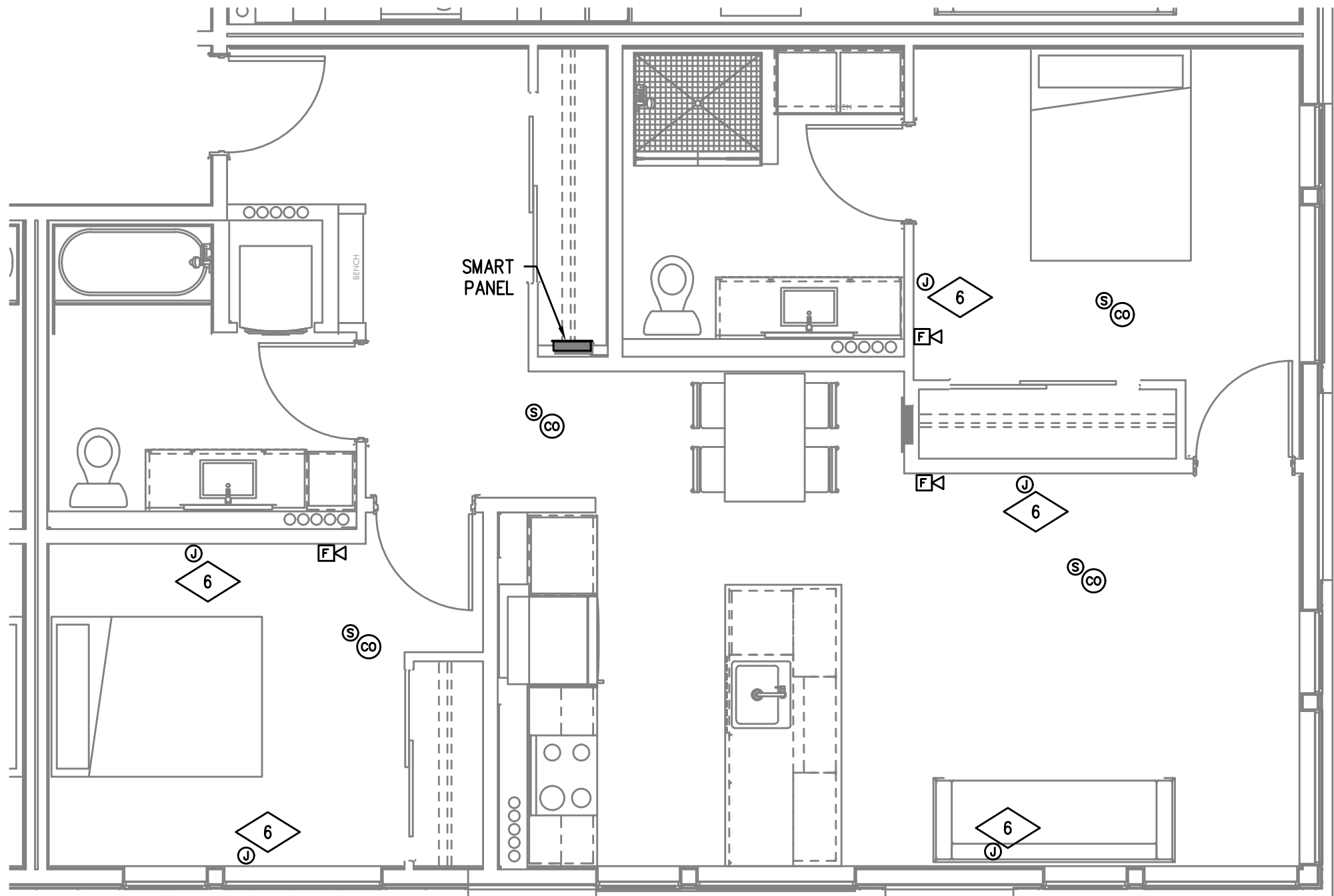
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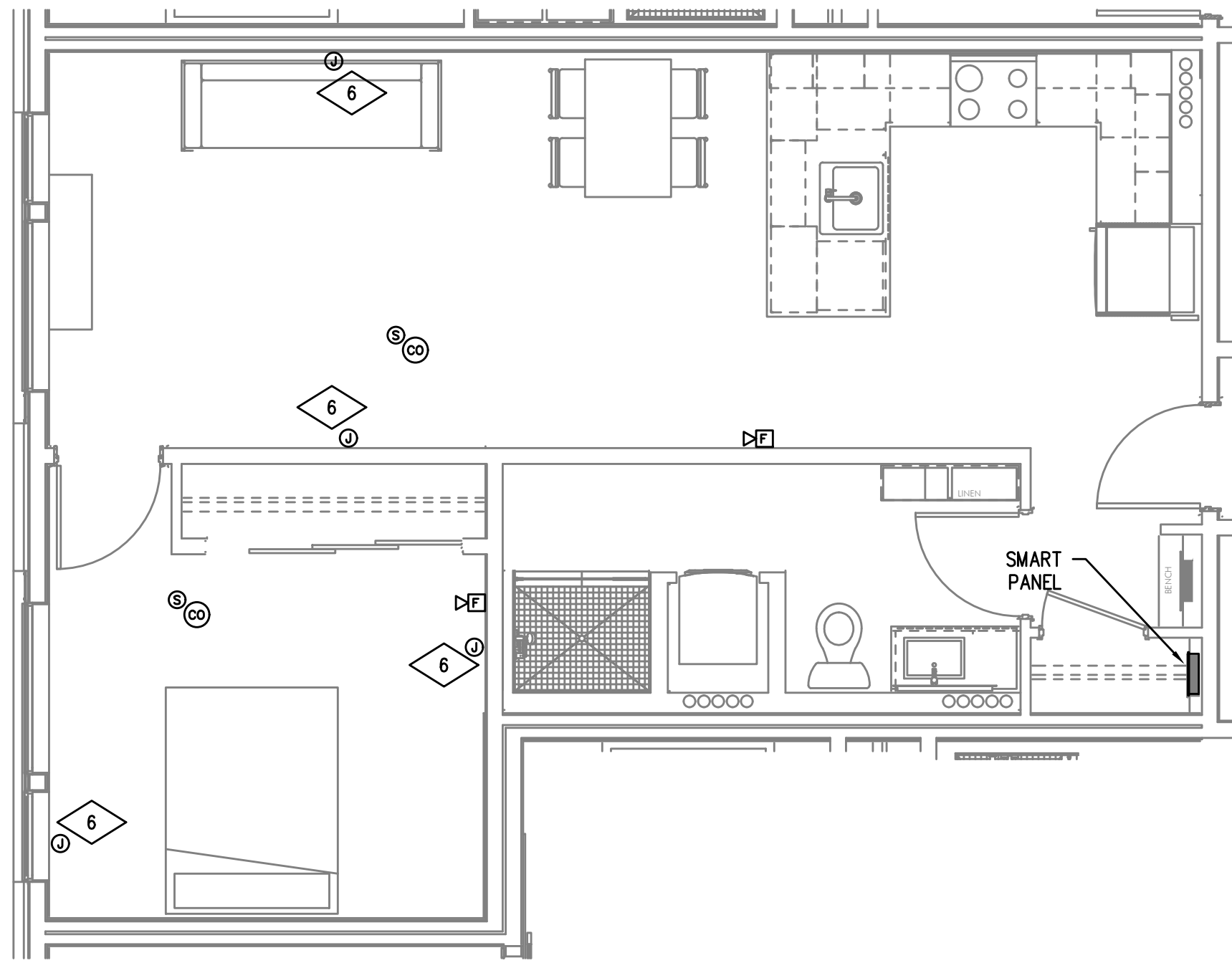
PROJECT # 2017-053  
DATE: 07/12/2019

REVISIONS

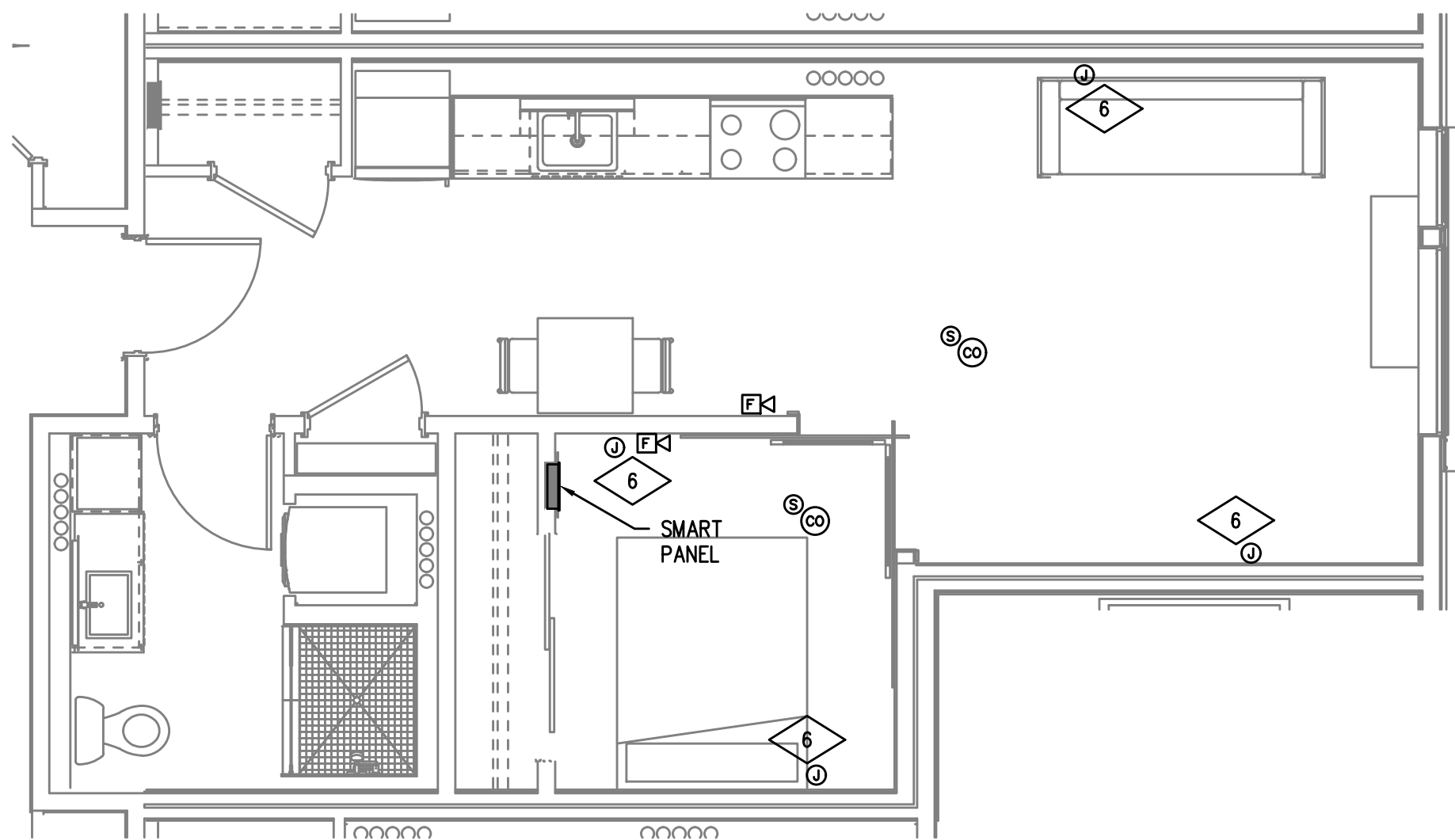
**AEGIS**  
**MIXED-USE DEVELOPMENT**  
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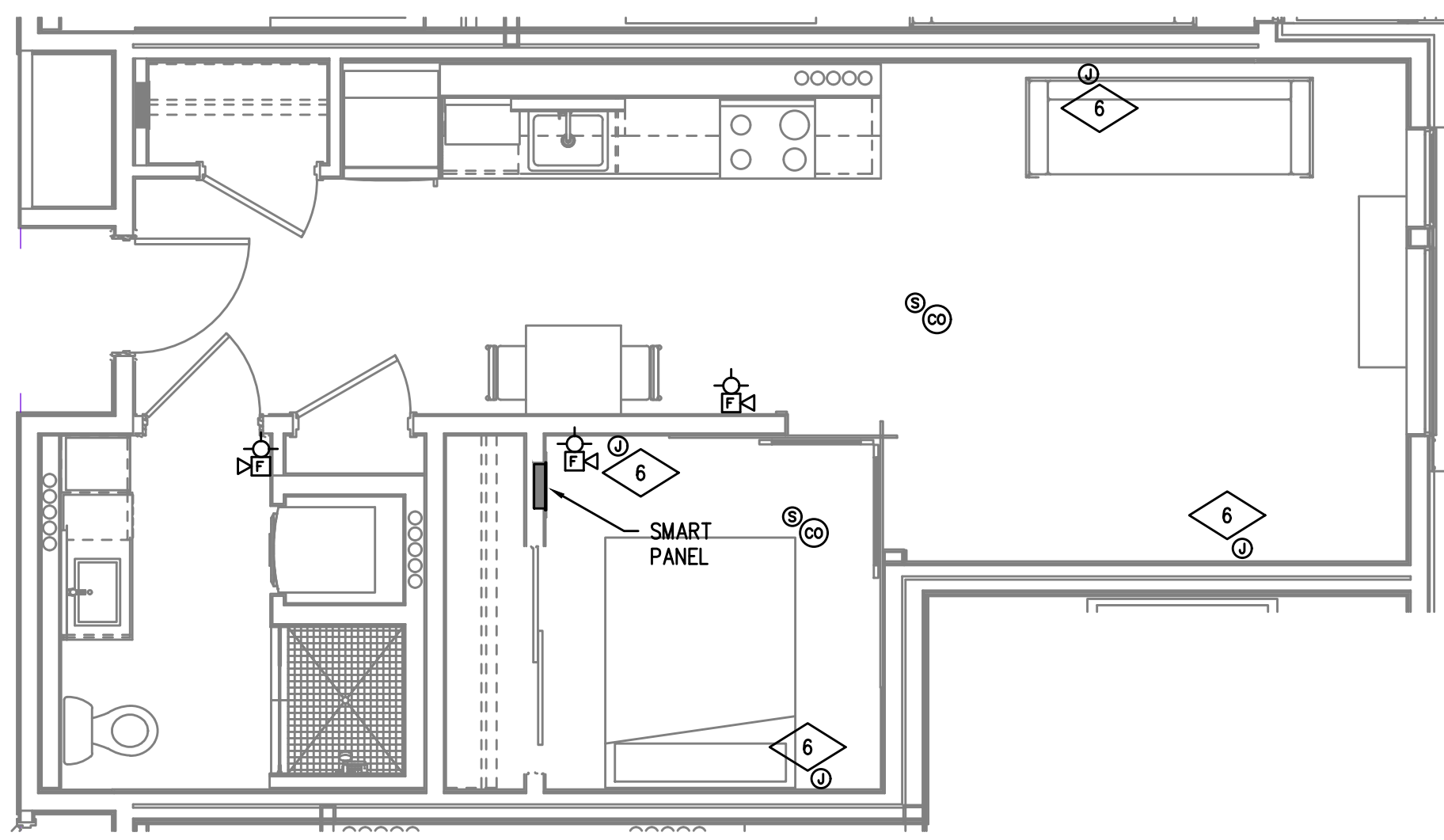
TYPICAL UNIT TYPE E  
1 2 BED/2 BATH – TELCOM PLAN  
T4.13 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE F  
2 1 BED/1 BATH – TELCOM PLAN  
T4.13 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE G  
3 1 BED/1 BATH – TELCOM PLAN  
T4.13 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE G-ADA  
4 1 BED/1 BATH – TELCOM PLAN  
T4.13 SCALE: 1/4" = 1'-0"

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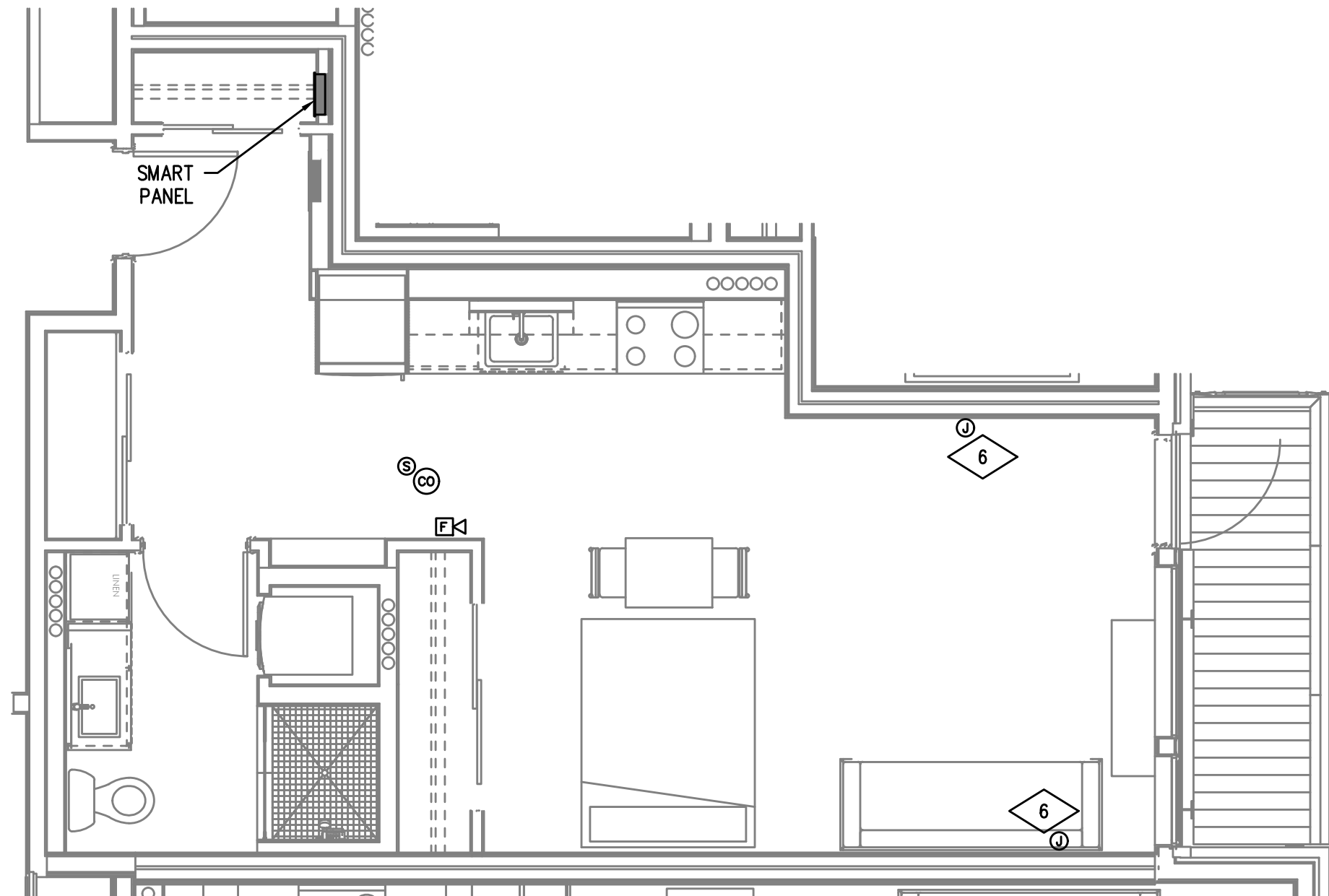
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T4.14

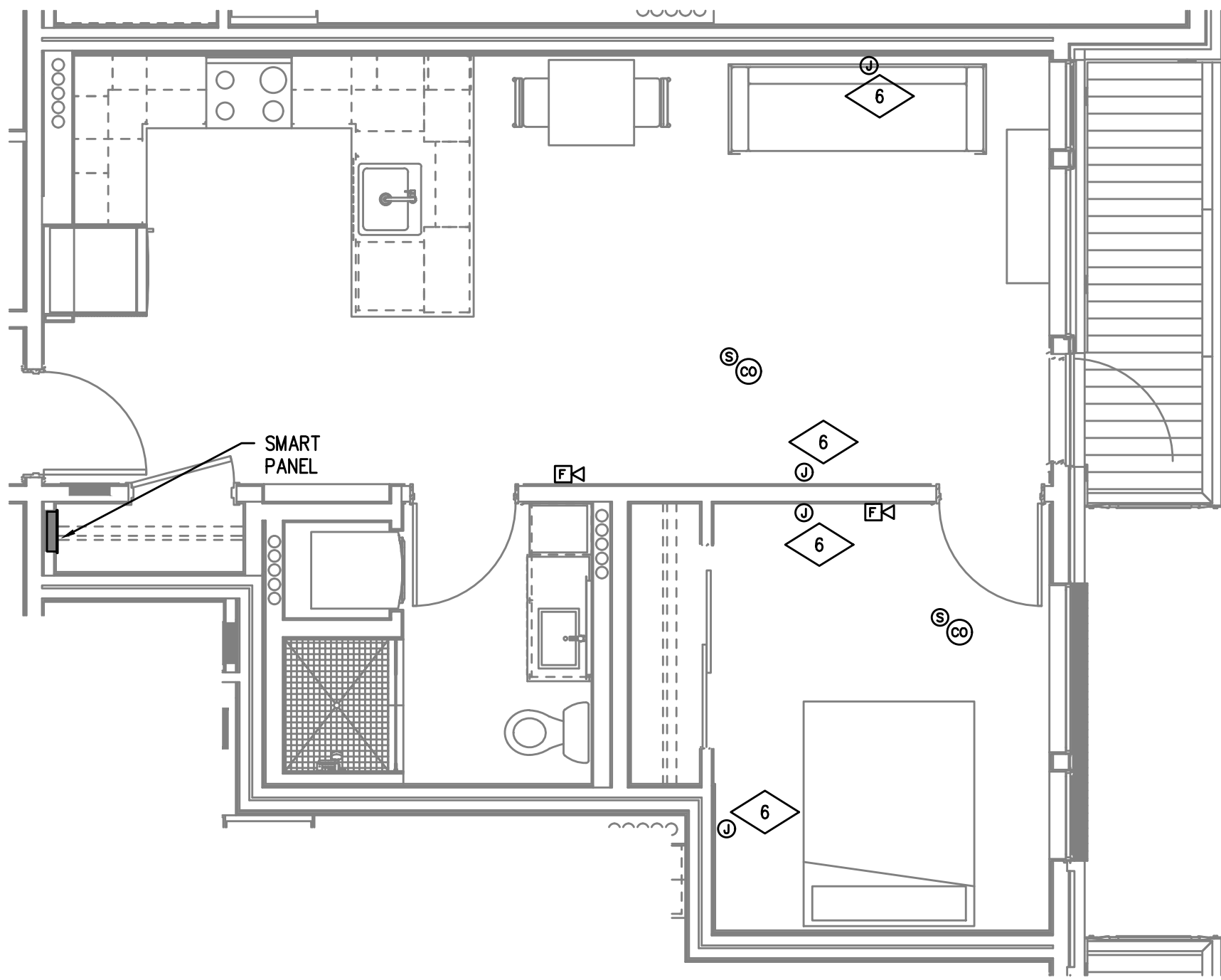
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INC. Consulting Engineers  
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Portland, OR 97214  
PHN: (503) 234-0548  
FAX: (503) 234-0677  
CONTACT: GARY ADOVNIK  
WWW.MPIA-ENG.COM

GENERAL NOTES:

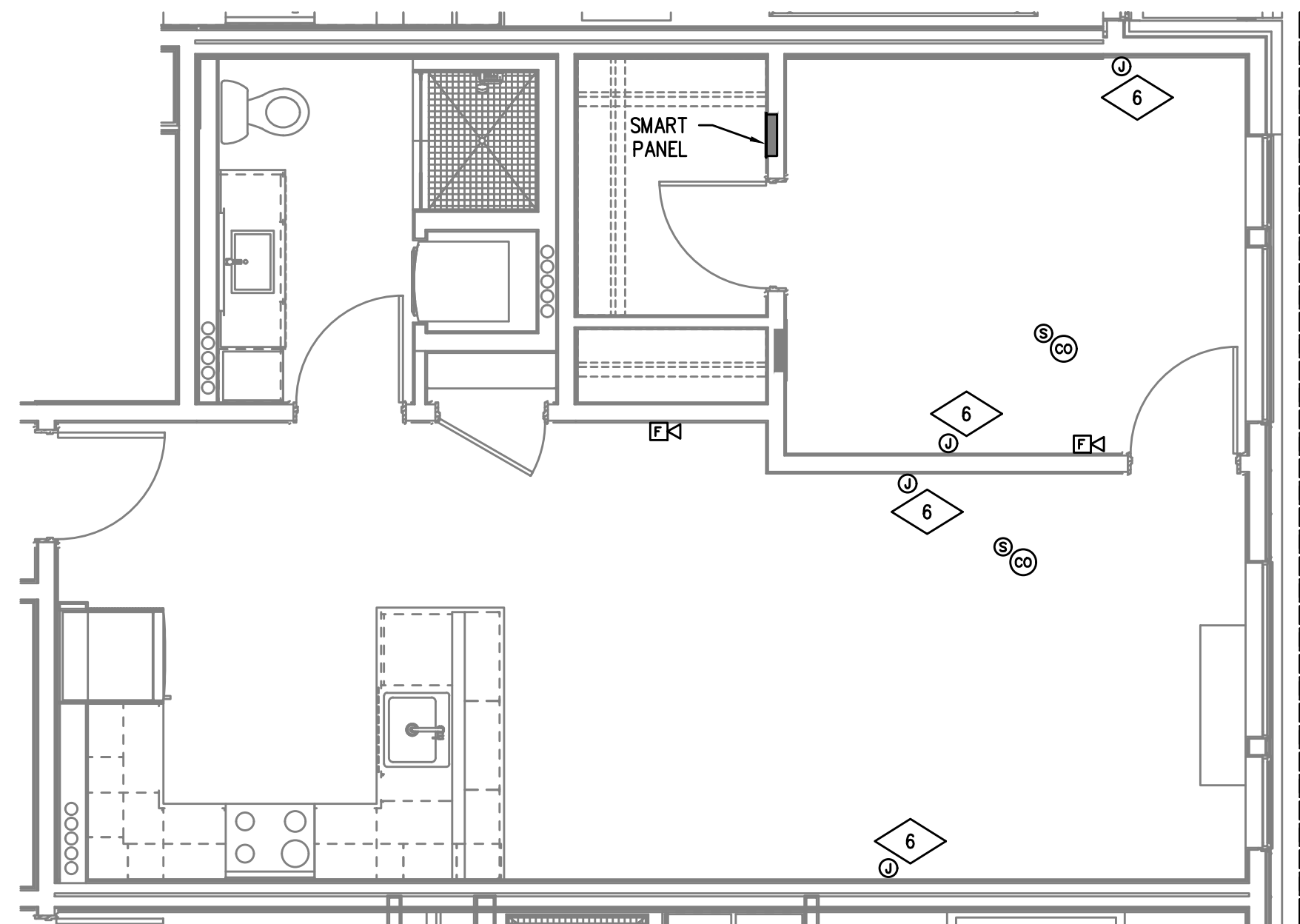
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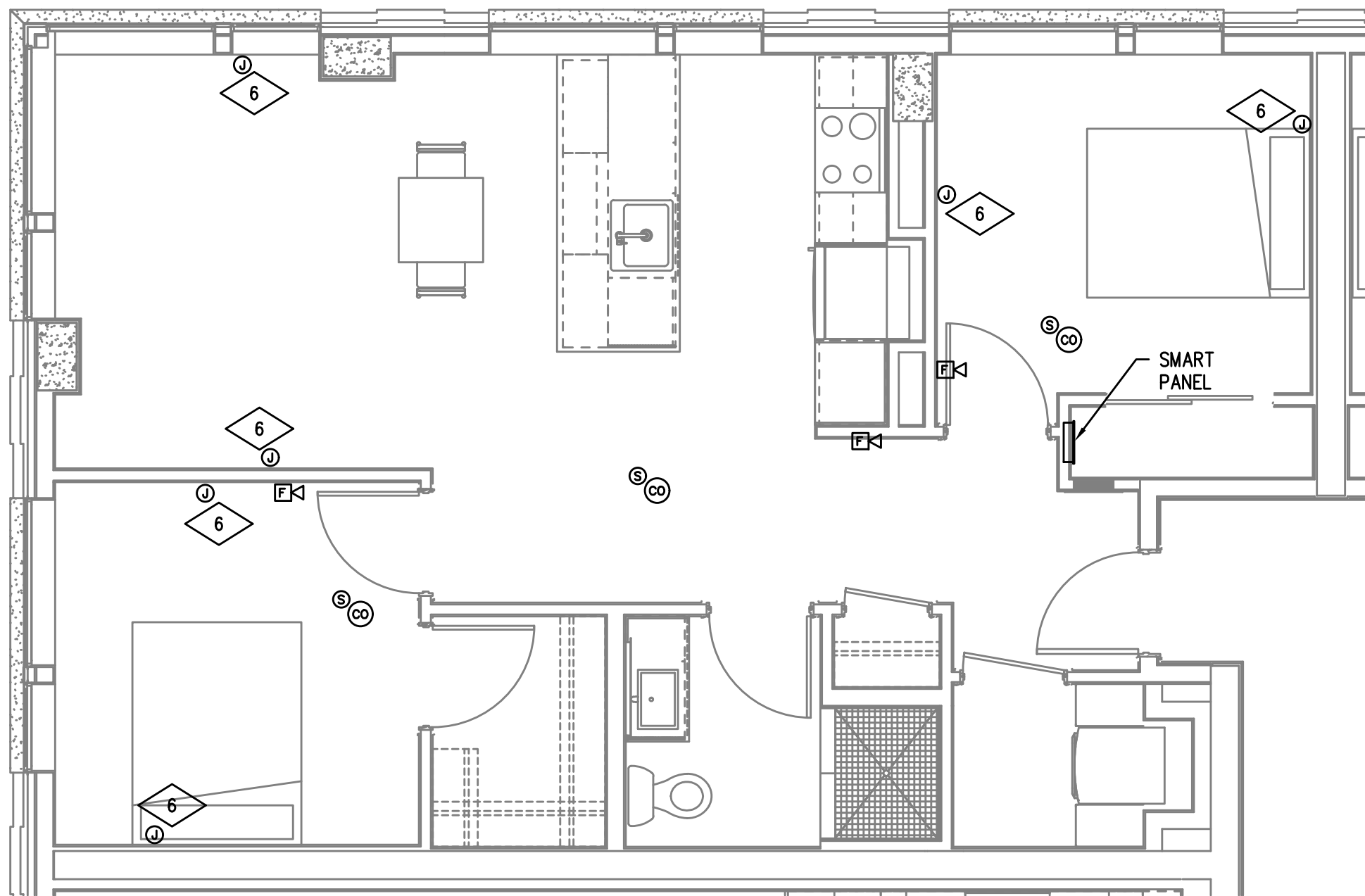
TYPICAL UNIT TYPE H  
1 0 BED/2 BATH – TELCOM PLAN  
T4.14 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE I  
2 1 BED/1 BATH – TELCOM PLAN  
T4.14 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE J  
3 1 BED/1 BATH – TELCOM PLAN  
T4.14 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE K  
4 2 BED/1 BATH – TELCOM PLAN  
T4.14 SCALE: 1/4" = 1'-0"



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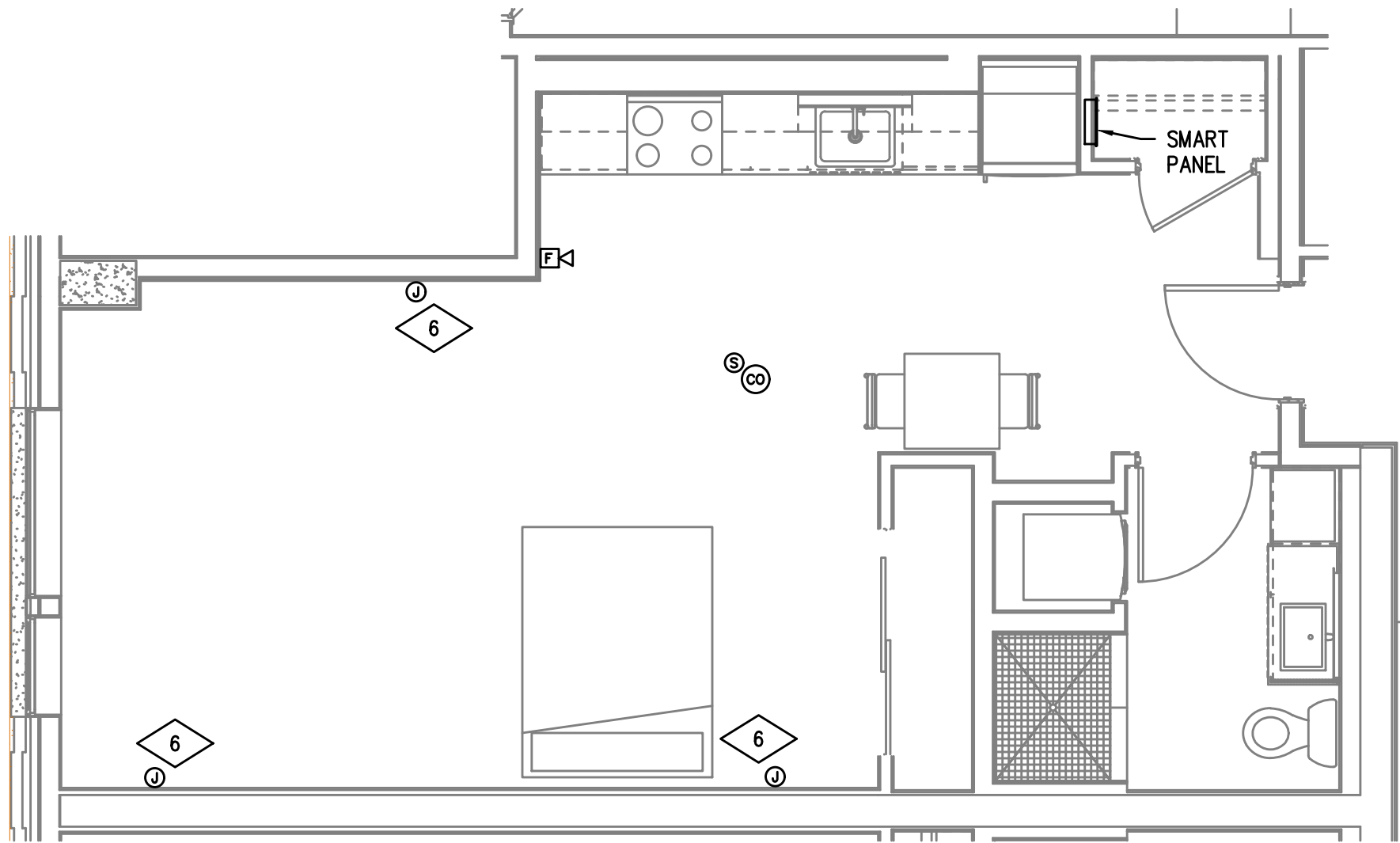
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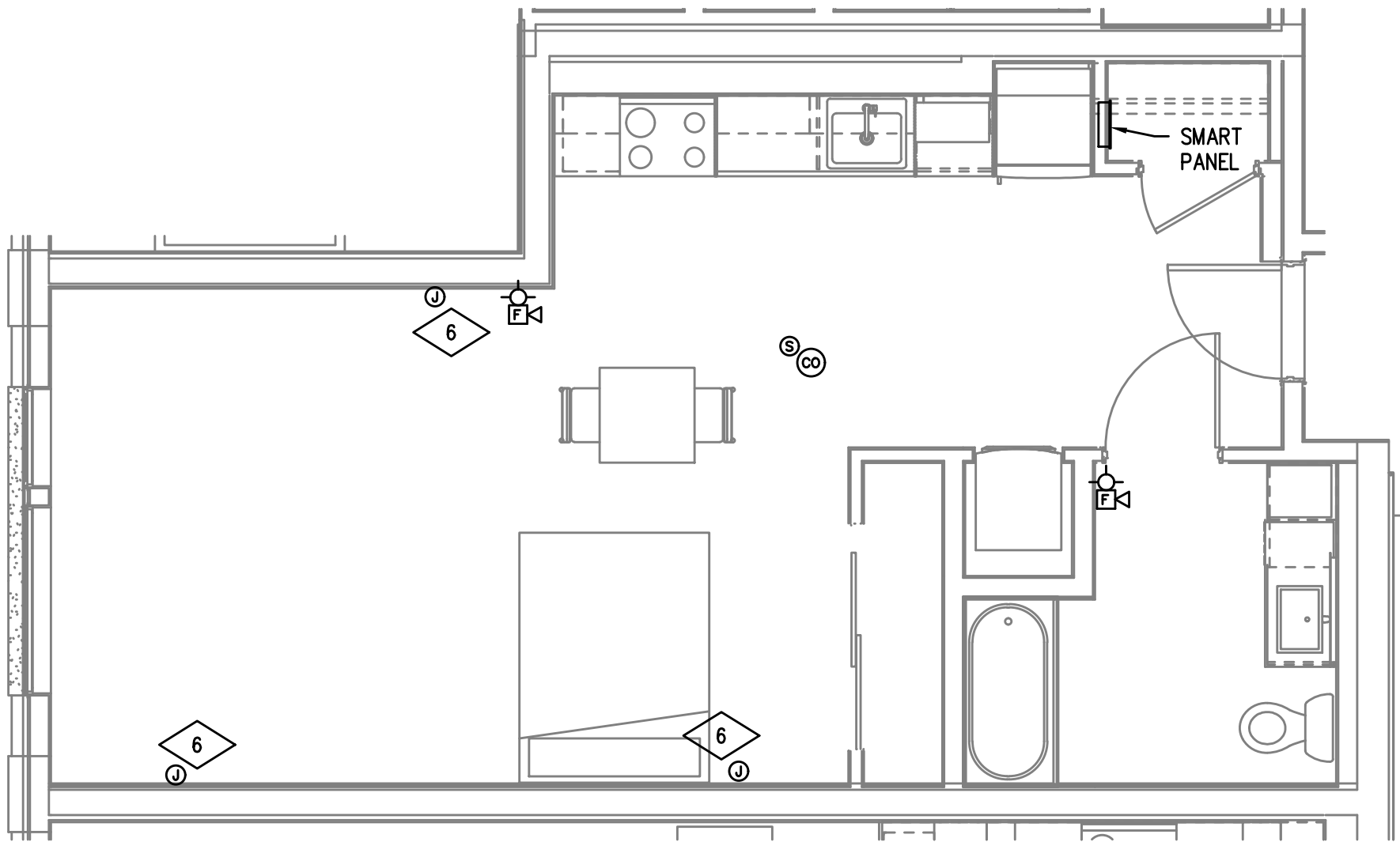
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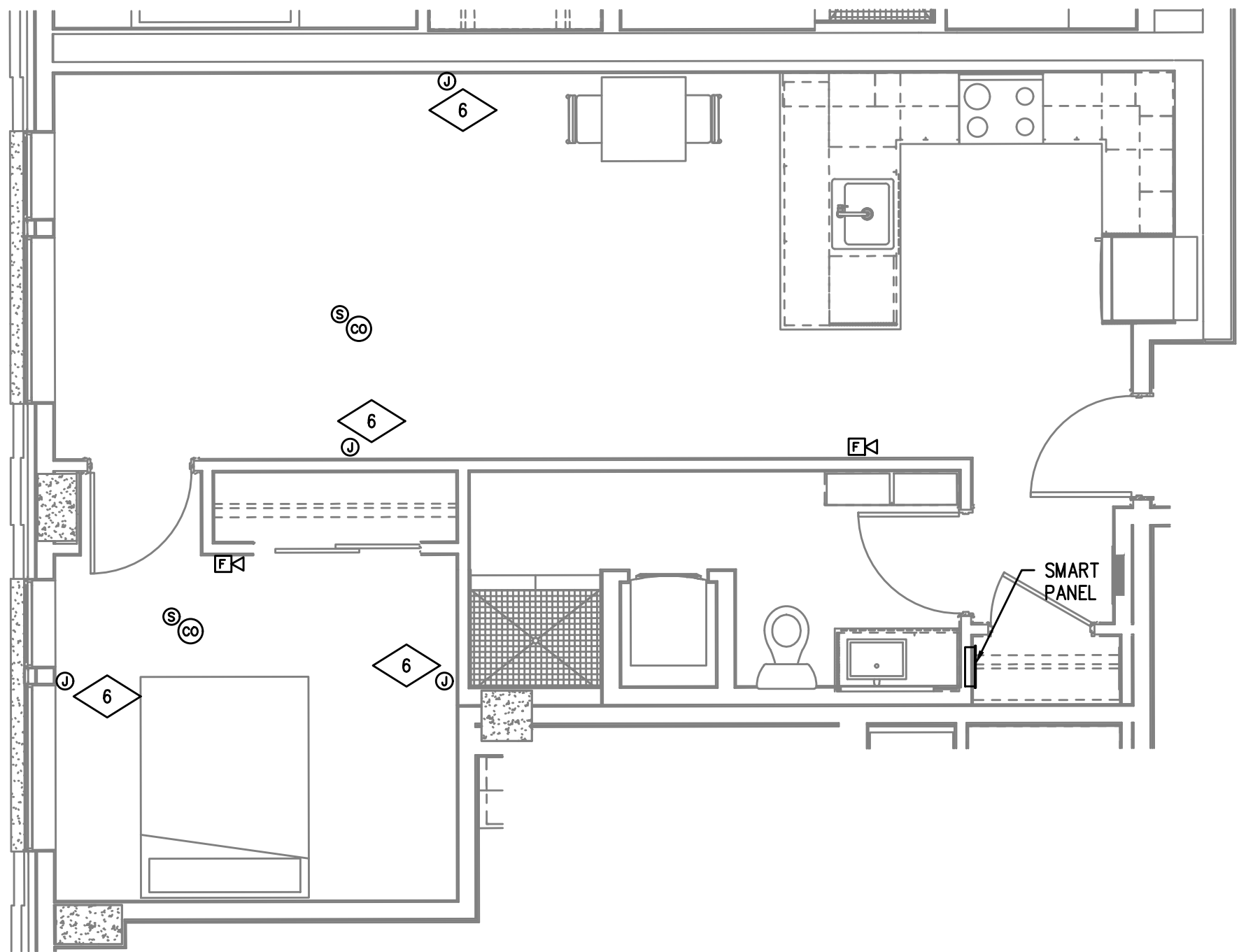
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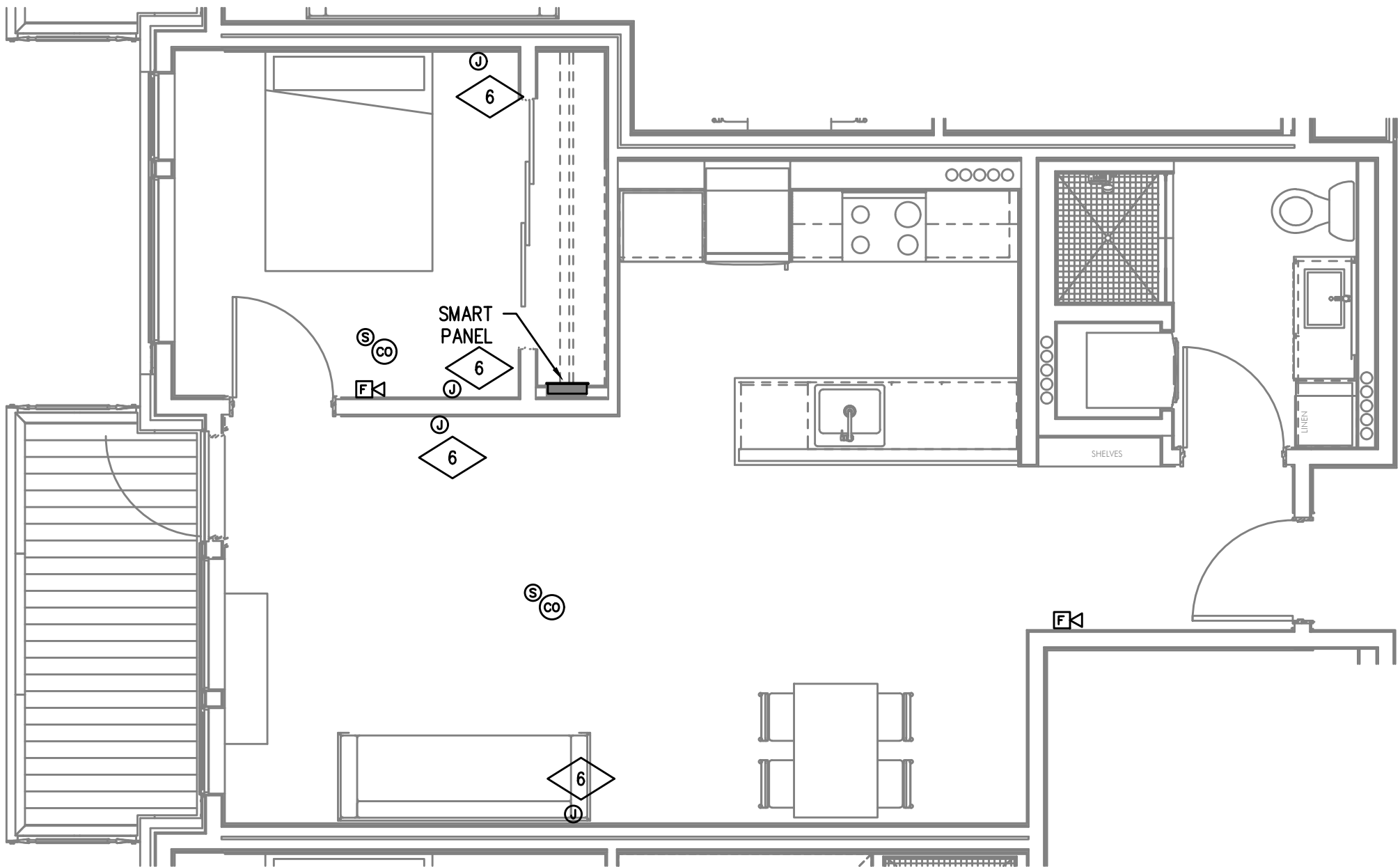
TYPICAL UNIT TYPE L  
1 0 BED/1 BATH – TELCOM PLAN  
T4.15 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE L-ADA  
2 0 BED/1 BATH – TELCOM PLAN  
T4.15 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE M  
3 1 BED/1 BATH – TELCOM PLAN  
T4.15 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE N  
4 1 BED/1 BATH – TELCOM PLAN  
T4.15 SCALE: 1/4" = 1'-0"

SHEET:

T4.15

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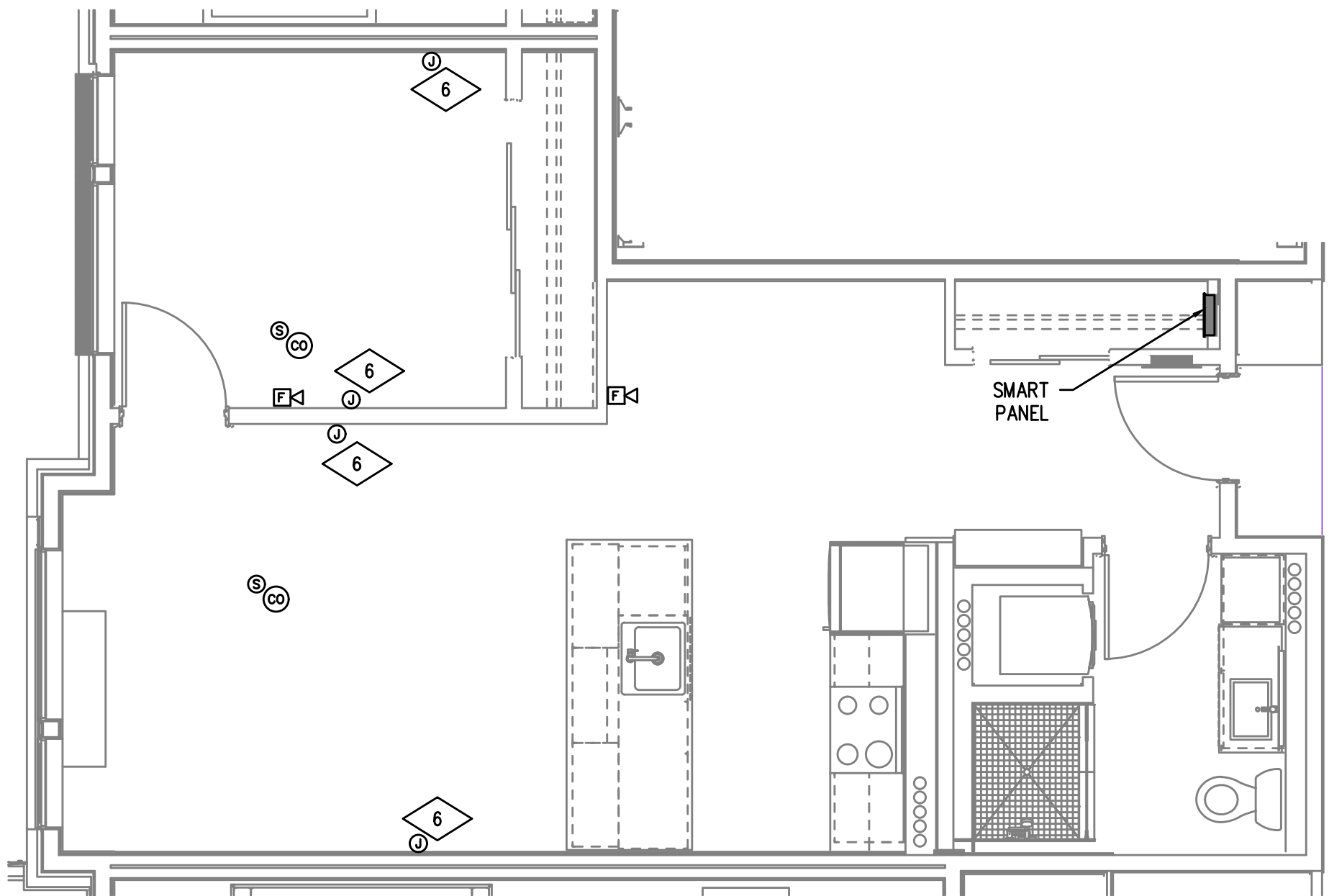
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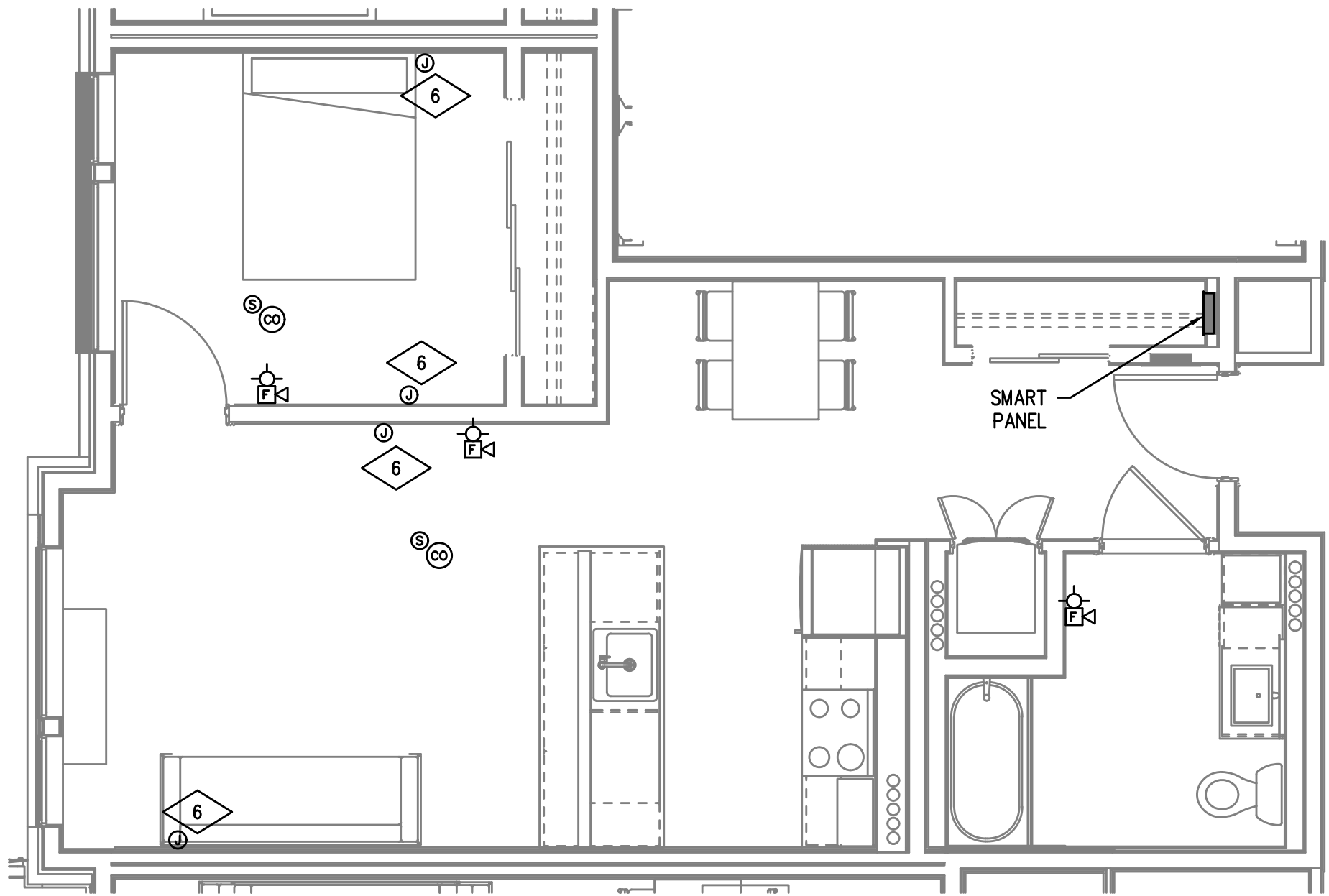
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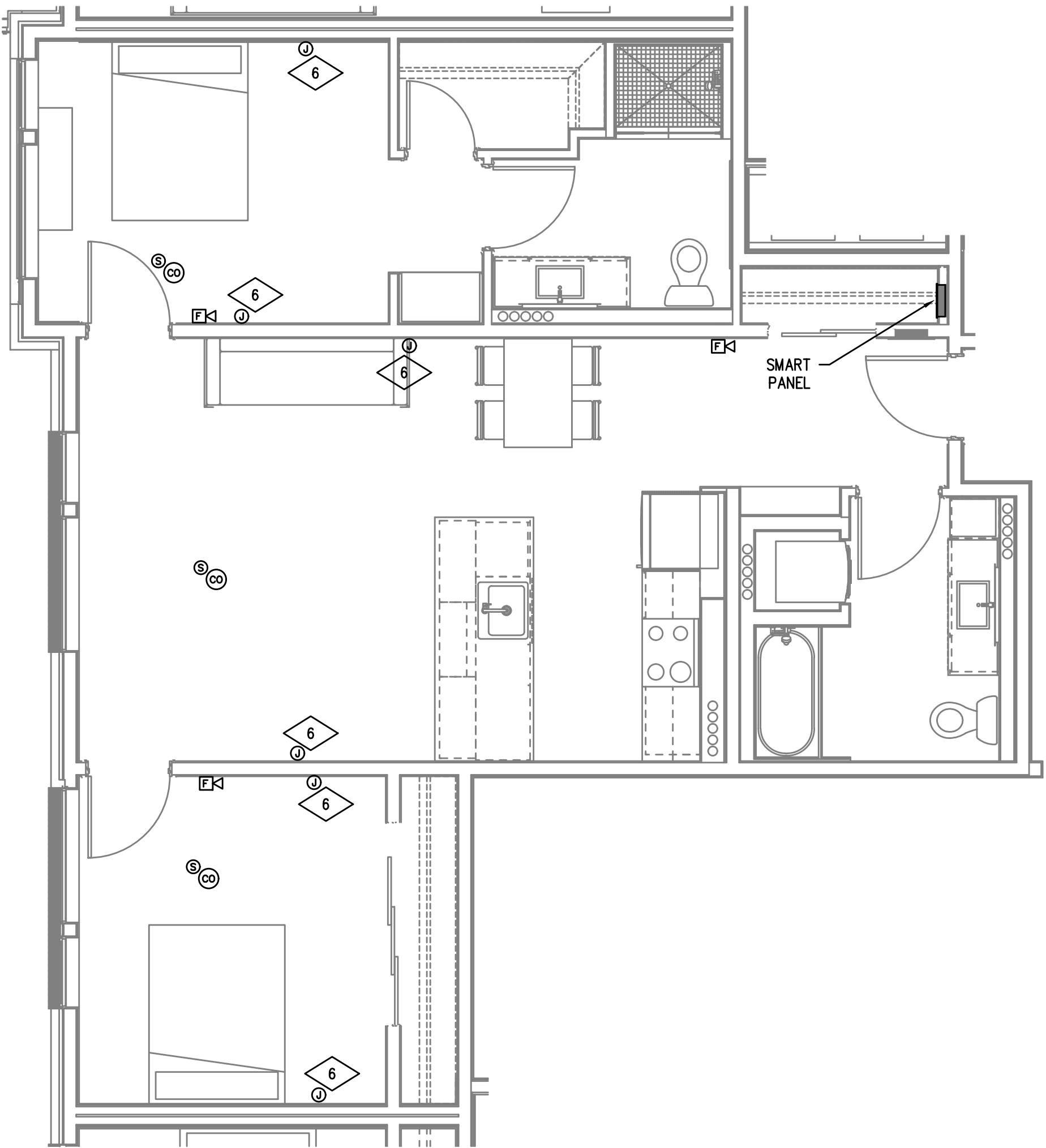
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TYPICAL UNIT TYPE O  
1 BED/1 BATH — TELCOM PLAN  
1  
T4.16 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE O-ADA  
1 BED/1 BATH — TELCOM PLAN  
2  
T4.16 SCALE: 1/4" = 1'-0"



TYPICAL UNIT TYPE P  
2 BED/2 BATH — TELCOM PLAN  
2  
T4.16 SCALE: 1/4" = 1'-0"