




















SIGNAL SYMBOLS

WIRING 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

NOTATIONS


DRAWING NOTE



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












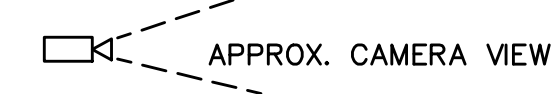
MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)









EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)

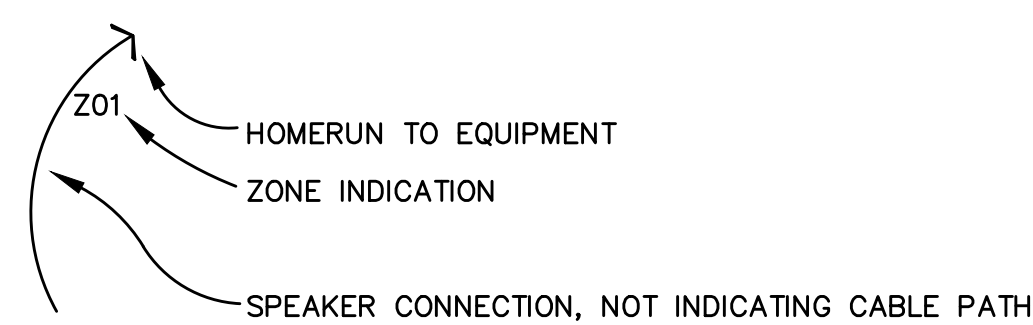
SECURITY SYMBOLS

	CCTV CAMERA
	DOME CAMERA (W/ PTZ OR FIX)
	INTRUSION SENSOR ('X' INDICATES DEG. OF COVERAGE)
	GLASS BREAK SENSOR
	DOOR POSITION SENSOR
	KEYPAD +48" A.F.F.
	PROXIMITY CARD READER +48" A.F.F.
	ELECTRIC LATCH/LOCK
	REQUEST TO EXIT DEVICE



PAGING AND INTERCOM SYMBOLS

	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	INTERCOM CALL SWITCH
	SIGNAL BUZZER
	SIGNAL HORN
	VOLUME CONTROL +48" A.F.F.



ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
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
O.F.CI	OWNER FURNISHED, CONTRACTOR INSTALLED
O.FOI	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

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

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5020 CONDOMINIUMS
PROUD GROUND / HABITAT FOR HUMANITY
5050 N INTERSTATE AVE.
PORTLAND, OR 97217

CONFORMANCE SET

TELCOM
LEGEND

PROJECT NO.
17020

02.07.20

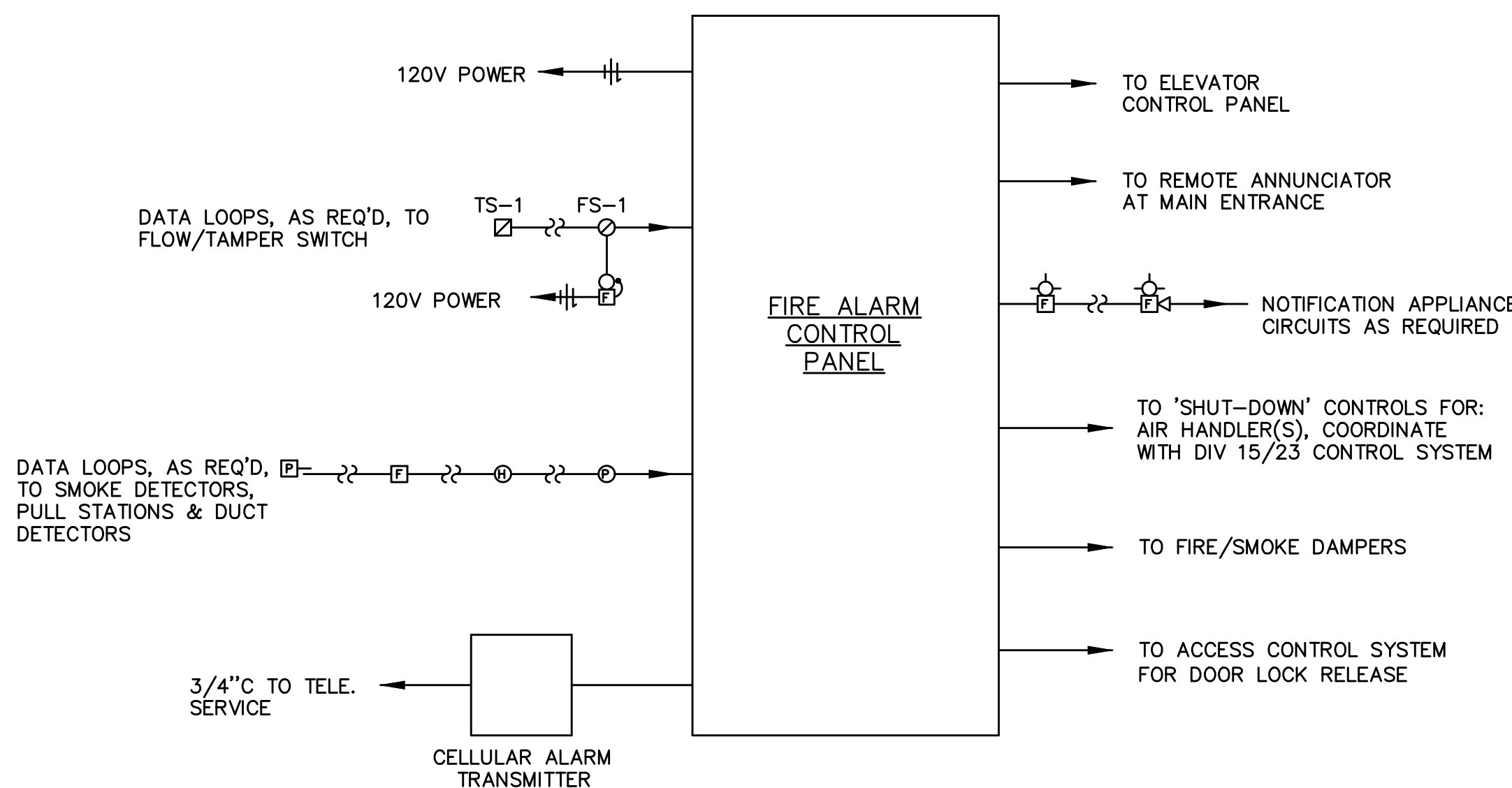
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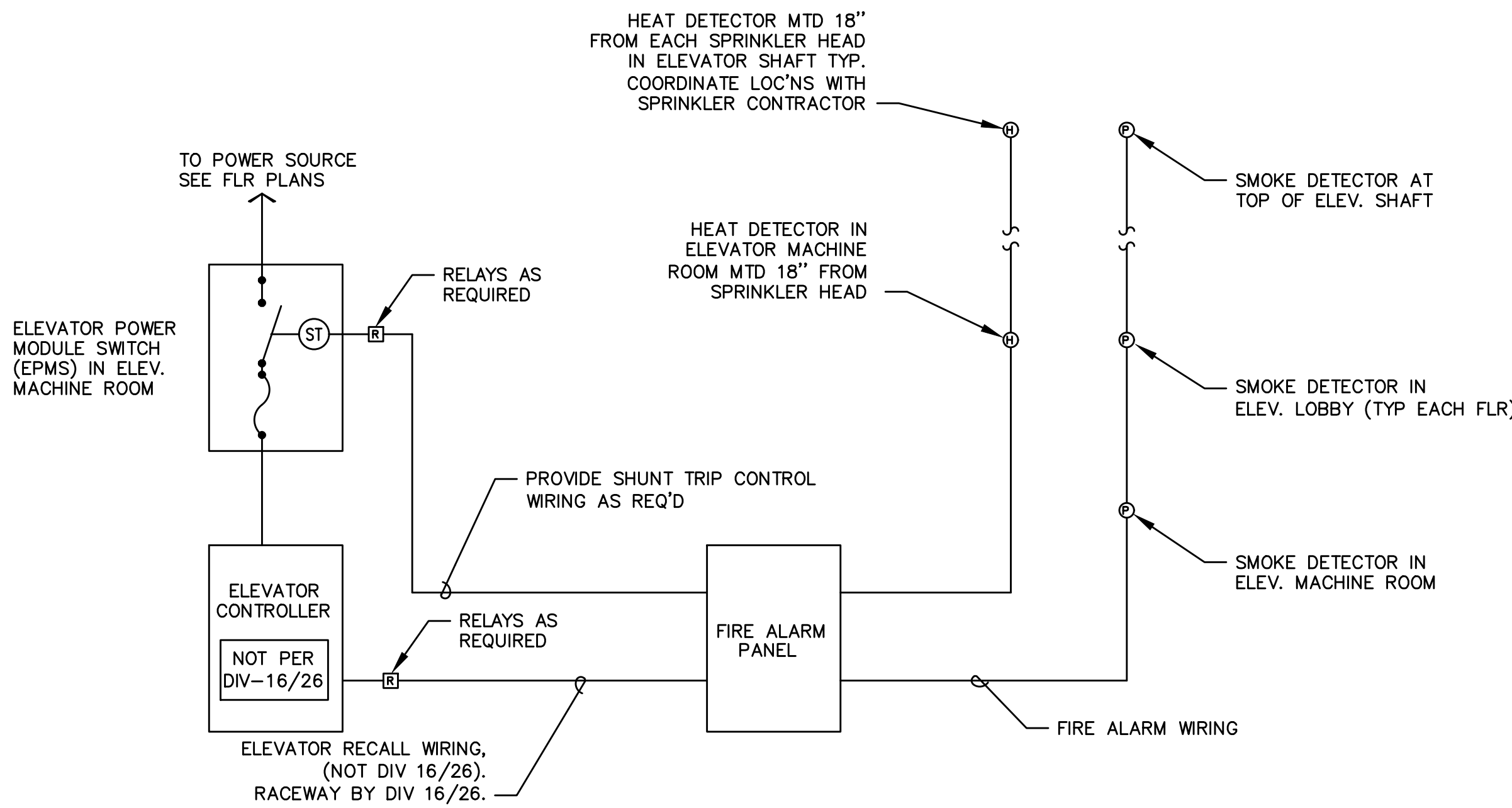
FIRE ALARM AND DETECTION SYSTEM SHOWN ON PLAN(S) ARE FOR DESIGN INTENT ONLY. THIS IS A DEFERRED SUBMITTAL SYSTEM REQUIRING THE CONTRACTOR TO COMPLETE THE PERMIT READY DESIGN AND CALCULATIONS AS REQUIRED PER THE AUTHORITY HAVING JURISDICTION. VERIFY BUILDING OCCUPANCY TYPE AND OCCUPANT LOAD WITH ARCHITECTURAL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

**M
F
A
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CONTACT: GARY ADOWNIK

T1.00

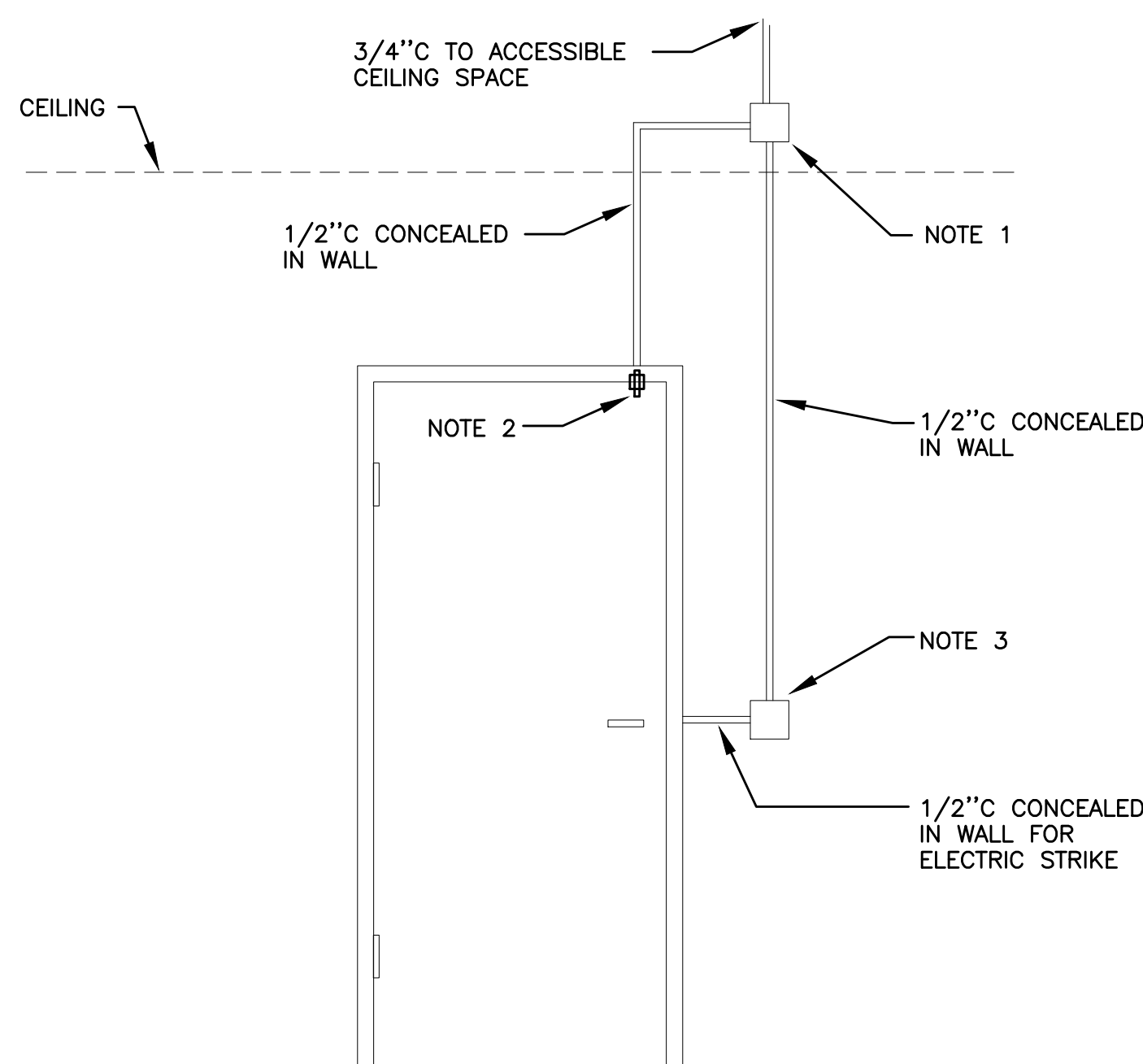


1 FIRE ALARM DETAIL
T2.00 N.T.S.



- 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
T2.00 N.T.S.



- 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.

3 ACCESS CONTROL ROUGH-IN ELEVATION
T2.00 N.T.S.

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TELECOM
DETAILS &
ONE-LINES

PROJECT NO.
17020

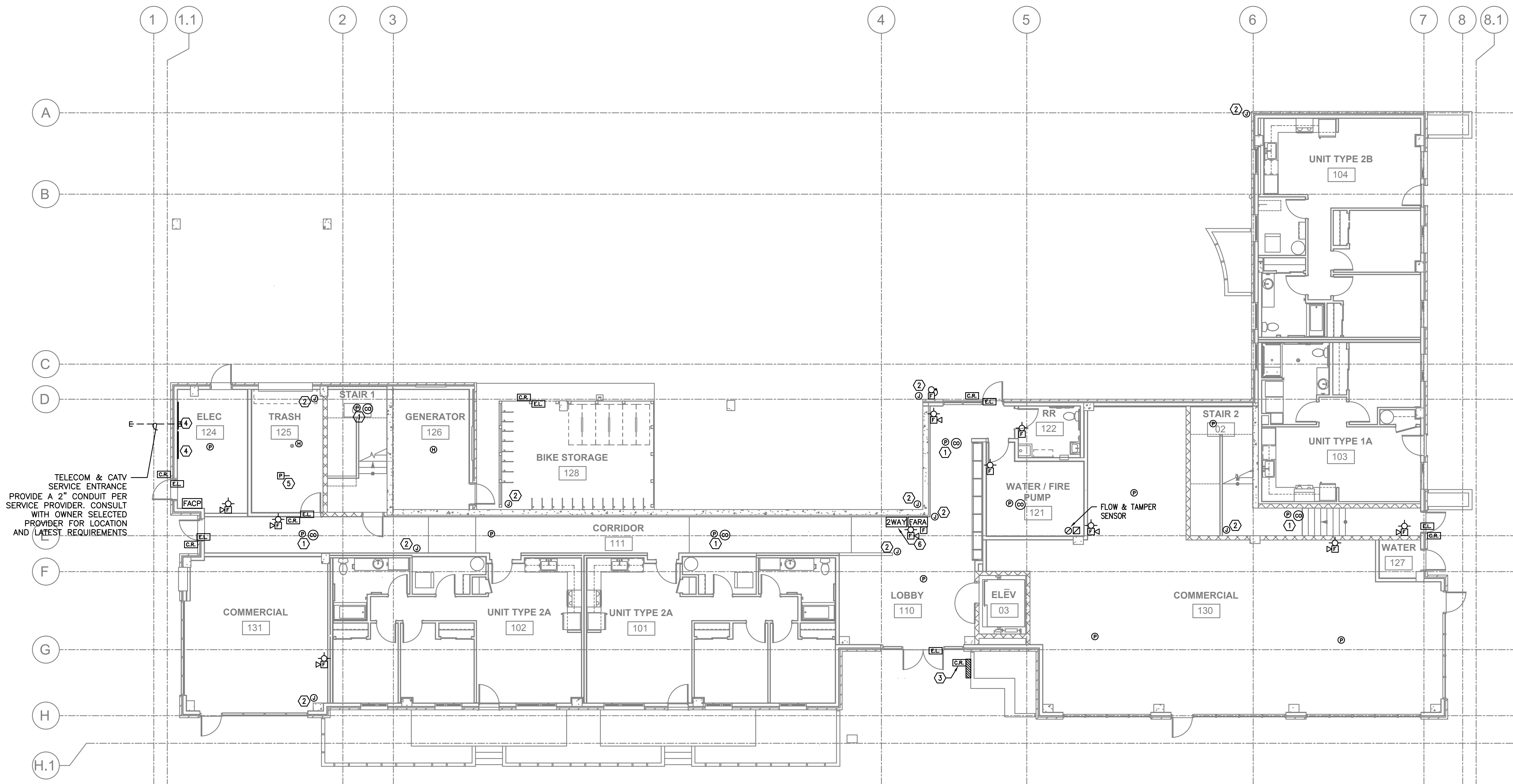
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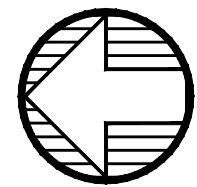
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T2.00



TELECOM & CATV
SERVICE ENTRANCE
PROVIDE A 2" CONDUIT PER
SERVICE PROVIDER. CONSULT
WITH OWNER SELECTED
PROVIDER FOR LOCATION
AND LATEST REQUIREMENTS



1 TELCOM PLAN - FIRST FLOOR
T3.01 SCALE: 1/8" = 1'-0"

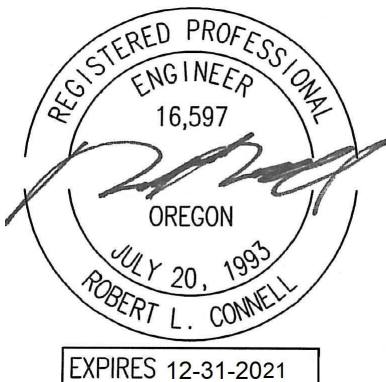
GENERAL NOTES:

- A. DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EQUIPMENT THEY ARE INSTALLING, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. FOR VOICE/DATA OUTLETS ON INTERIOR WALLS 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. ON EXTERIOR WALLS UTILIZE AN AIRTIGHT BOX BY AIRFOIL INC., OR APPROVED EQUAL.
- 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.

NOTES:

- 1. COMBINATION PHOTOELECTRIC WITH CO DETECTORS CAN BE USED.
- 2. ROUGH-IN FOR OWNER FURNISHED, OWNER INSTALLED CCTV SYSTEM.
- 3. APARTMENT ENTRY SYSTEM ALLOWING REMOTE DOOR RELEASE.
- 4. SPACE RESERVED FOR UTILITY DEMARCATION.
- 5. VERIFY EXACT LOCATION OF DAMPER WITH MECHANICAL PLANS.
- 6. AREA-OF-REFUGE TWO WAY COMMUNICATION PANEL.

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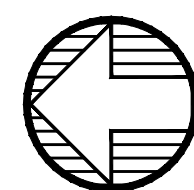
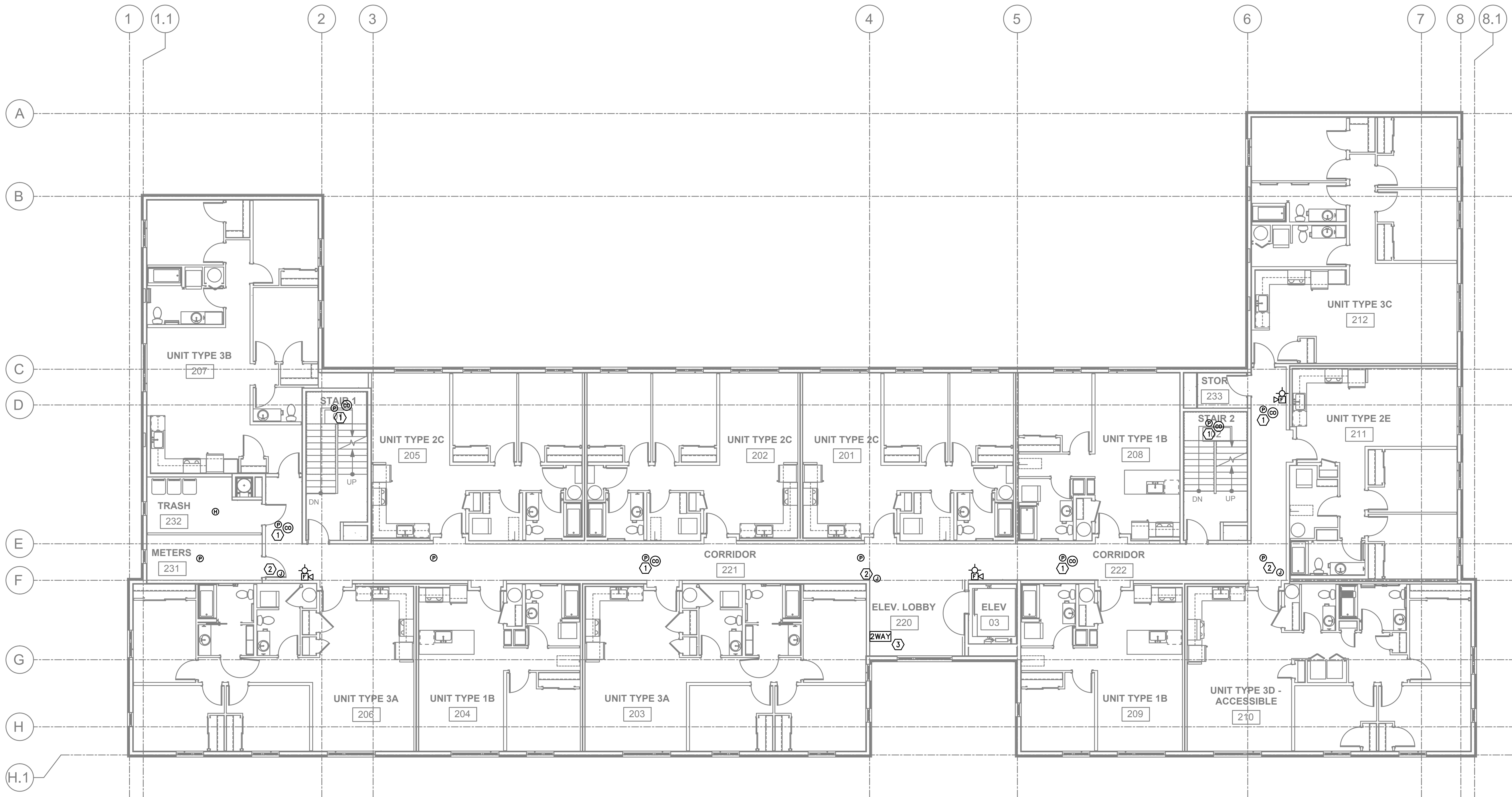
TELECOM PLAN
FIRST FLOOR
PROJECT NO.
17020

02.07.20

REVISIONS:

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T3.01



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

GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EQUIPMENT THEY ARE INSTALLING, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- FOR VOICE/DATA OUTLETS ON INTERIOR WALLS 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. ON EXTERIOR WALLS UTILIZE AN AIRTIGHT BOX BY AIRFOIL INC., OR APPROVED EQUAL.
- COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

NOTES:

- COMBINATION PHOTOELECTRIC WITH CO DETECTORS CAN BE USED.
- ROUGH-IN FOR OWNER FURNISHED, OWNER INSTALLED CCTV SYSTEM.
- AREA-OF-REFUGE TWO WAY COMMUNICATION PANEL.

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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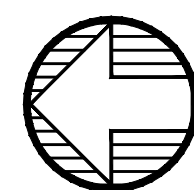
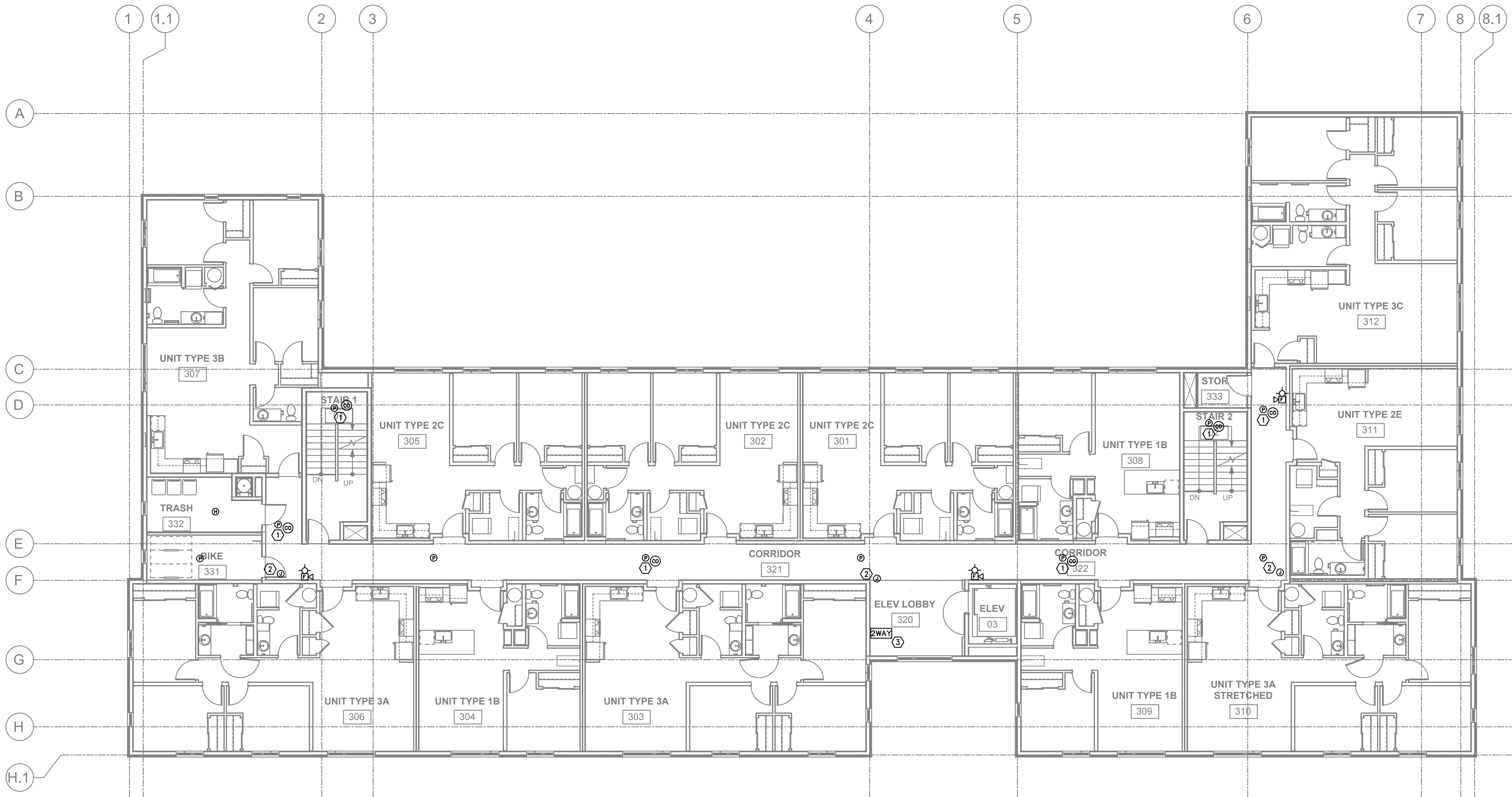
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TELCOM PLAN
SECOND FLOOR
PROJECT NO.
17020

02.07.20

REVISIONS:

T3.02



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

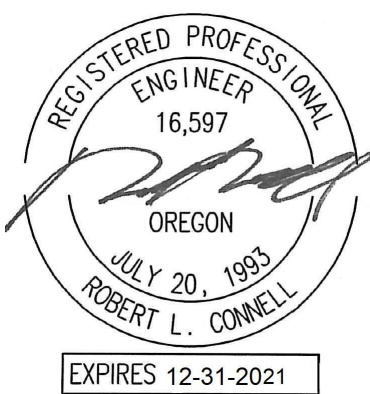
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- PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

NOTES:

- COMBINATION PHOTOELECTRIC WITH CO DETECTORS CAN BE USED.
- ROUGH-IN FOR OWNER FURNISHED, OWNER INSTALLED CCTV SYSTEM.
- AREA-OF-REFUGE TWO WAY COMMUNICATION PANEL.

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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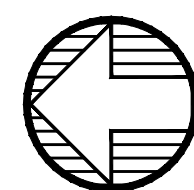
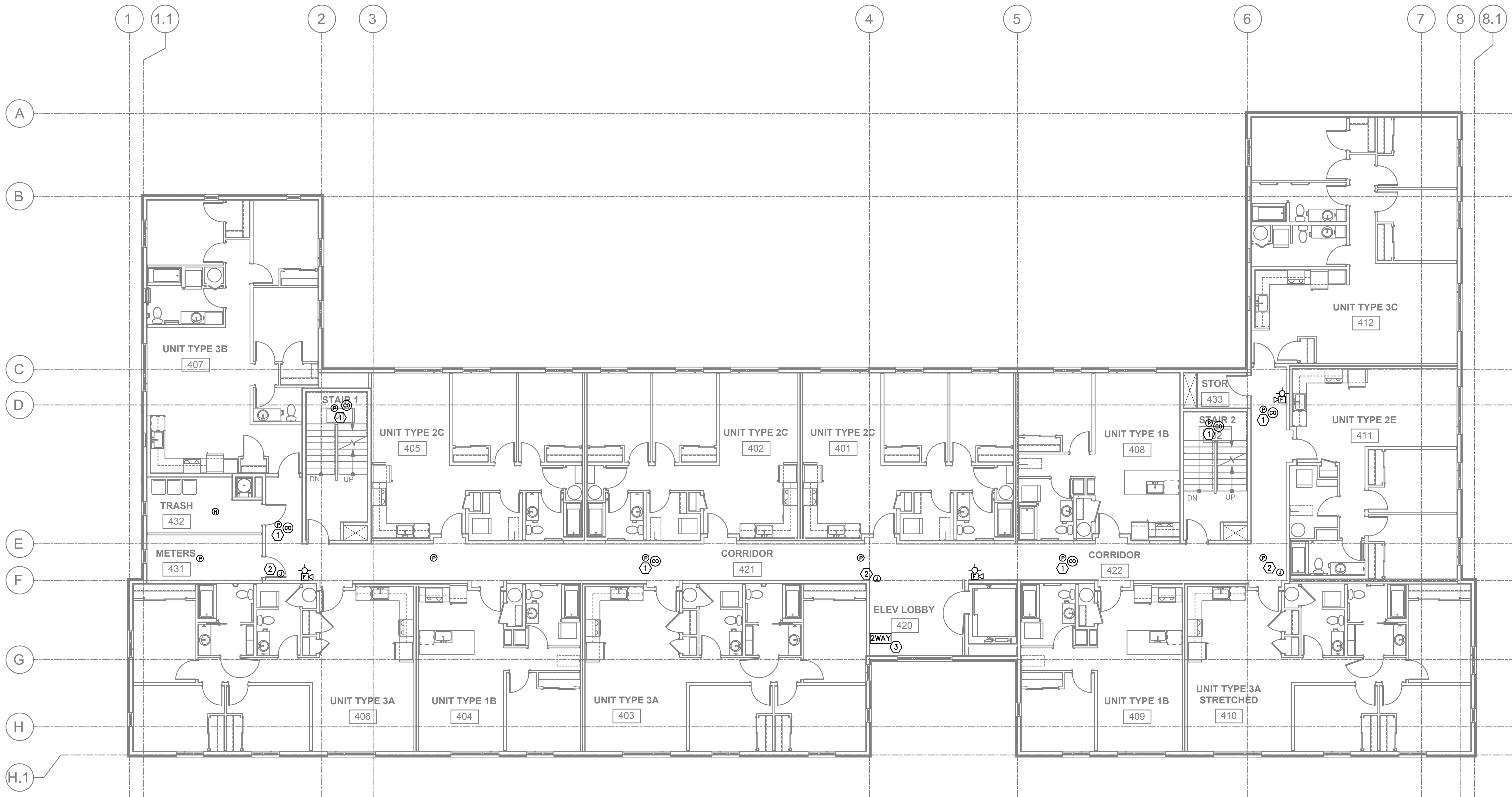
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TELCOM PLAN
THIRD FLOOR
PROJECT NO.
17020

02.07.20

REVISIONS:

T3.03



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

GENERAL NOTES:

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- FOR VOICE/DATA OUTLETS ON INTERIOR WALLS 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. ON EXTERIOR WALLS UTILIZE AN AIRTIGHT BOX BY AIRFOIL INC., OR APPROVED EQUAL.
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- ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

NOTES:

- COMBINATION PHOTOELECTRIC WITH CO DETECTORS CAN BE USED.
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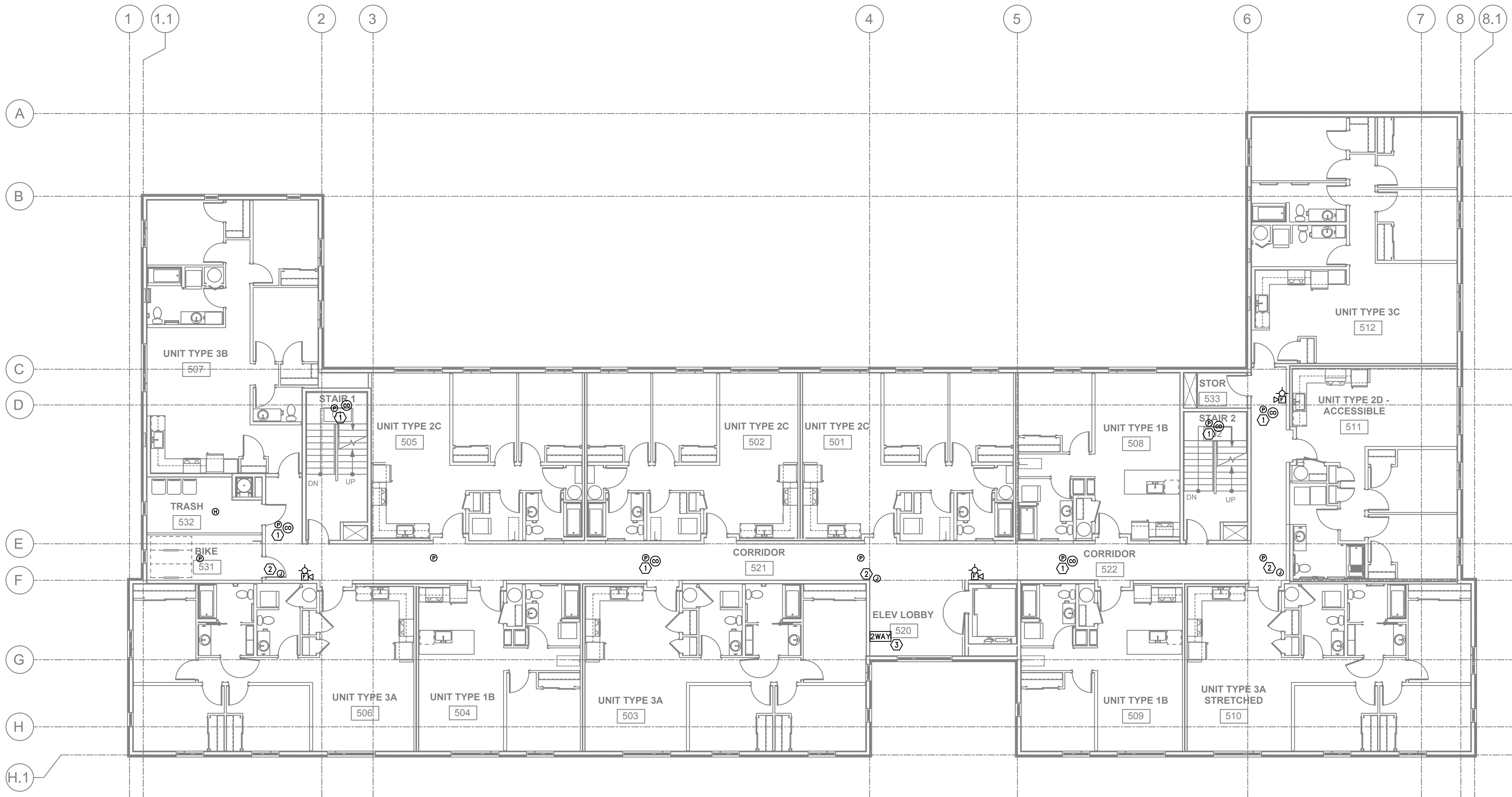
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TELCOM PLAN
FOURTH FLOOR
PROJECT NO.
17020

02.07.20

REVISIONS:

T3.04

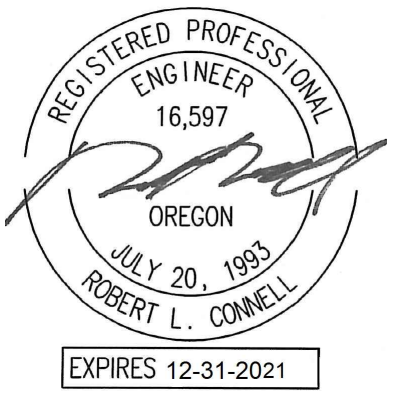


 1 TELCOM PLAN – FIFTH FLOOR
T3.05 SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
- A. DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EQUIPMENT THEY ARE INSTALLING, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
 - B. FOR VOICE/DATA OUTLETS ON INTERIOR WALLS 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. ON EXTERIOR WALLS UTILIZE AN AIRTIGHT BOX BY AIRFOIL INC., OR APPROVED EQUAL.
 - 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.

- NOTES:**
- 1. COMBINATION PHOTOELECTRIC WITH CO DETECTORS CAN BE USED.
 - 2. ROUGH-IN FOR OWNER FURNISHED, OWNER INSTALLED CCTV SYSTEM.
 - 3. AREA-OF-REFUGE TWO WAY COMMUNICATION PANEL.

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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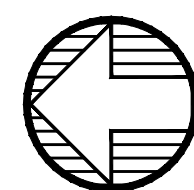
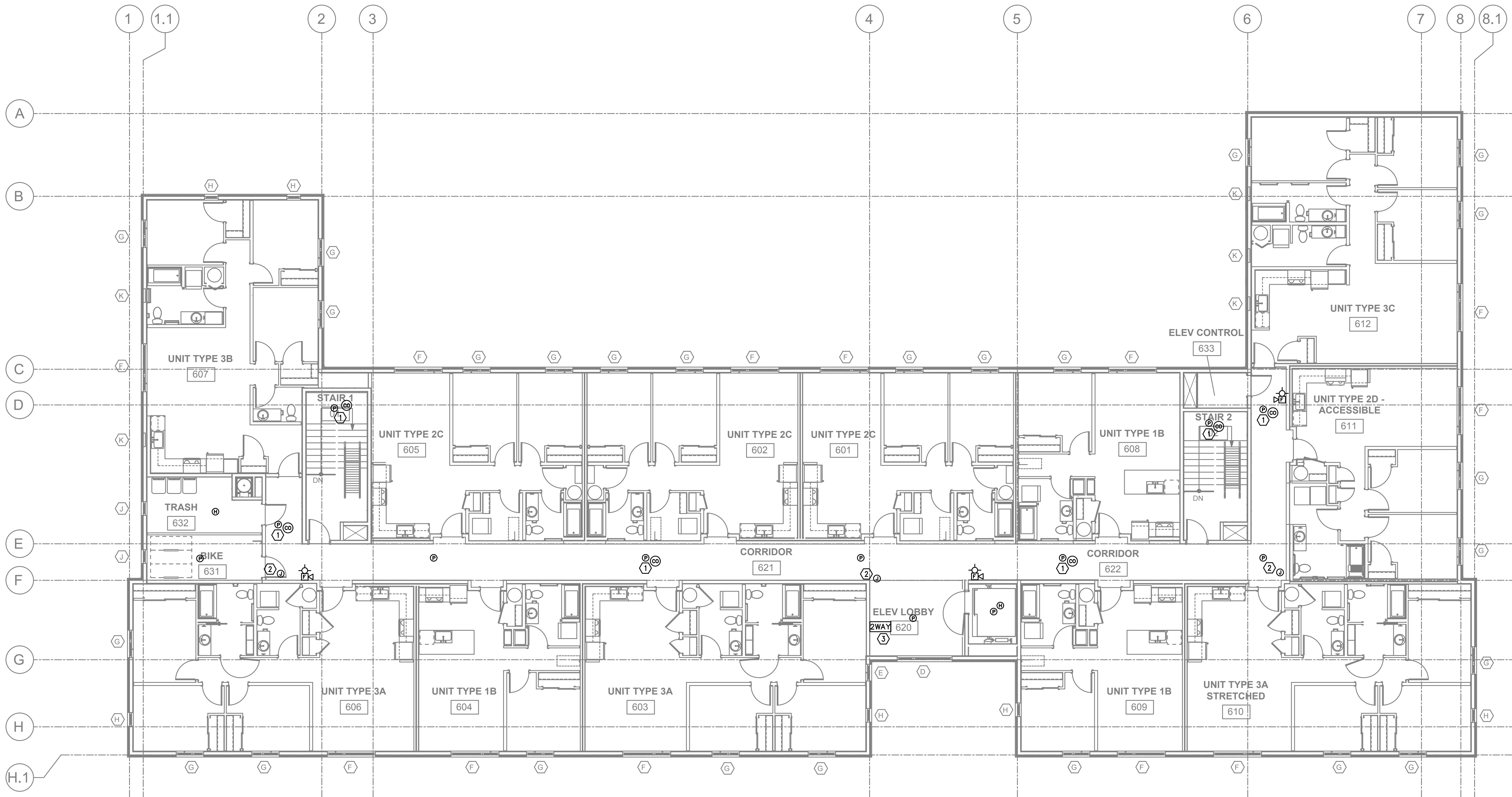
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TELCOM PLAN
FIFTH FLOOR
PROJECT NO.
17020

02.07.20
REVISIONS:


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T3.05



1 TELCOM PLAN - SIXTH FLOOR
13.06 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- FOR VOICE/DATA OUTLETS ON INTERIOR WALLS 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. ON EXTERIOR WALLS UTILIZE AN AIRTIGHT BOX BY AIRFOIL INC., OR APPROVED EQUAL.
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NOTES:

- COMBINATION PHOTOELECTRIC WITH CO DETECTORS CAN BE USED.
- ROUGH-IN FOR OWNER FURNISHED, OWNER INSTALLED CCTV SYSTEM.
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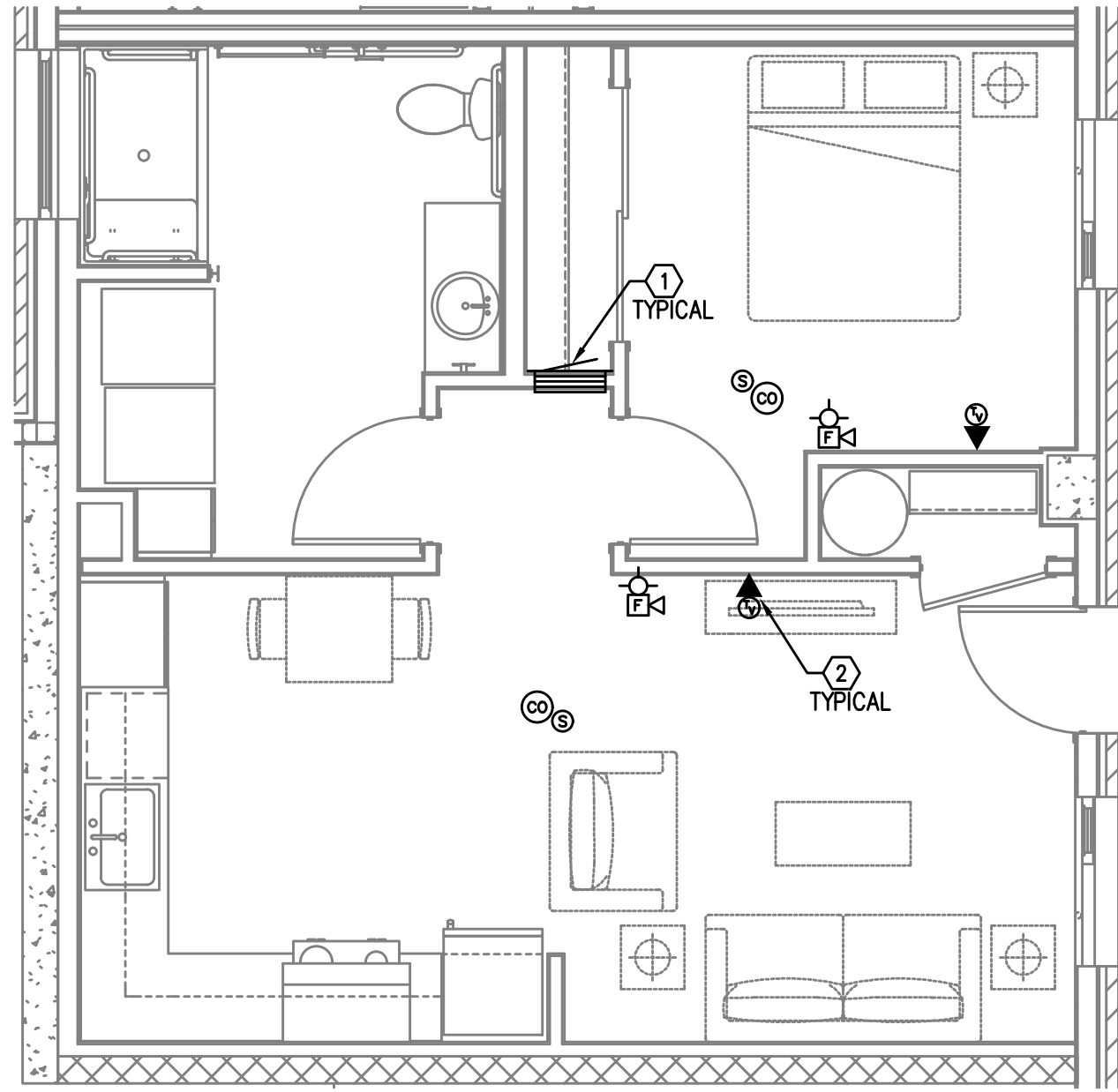
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TELCOM PLAN
SIXTH FLOOR
PROJECT NO.
17020

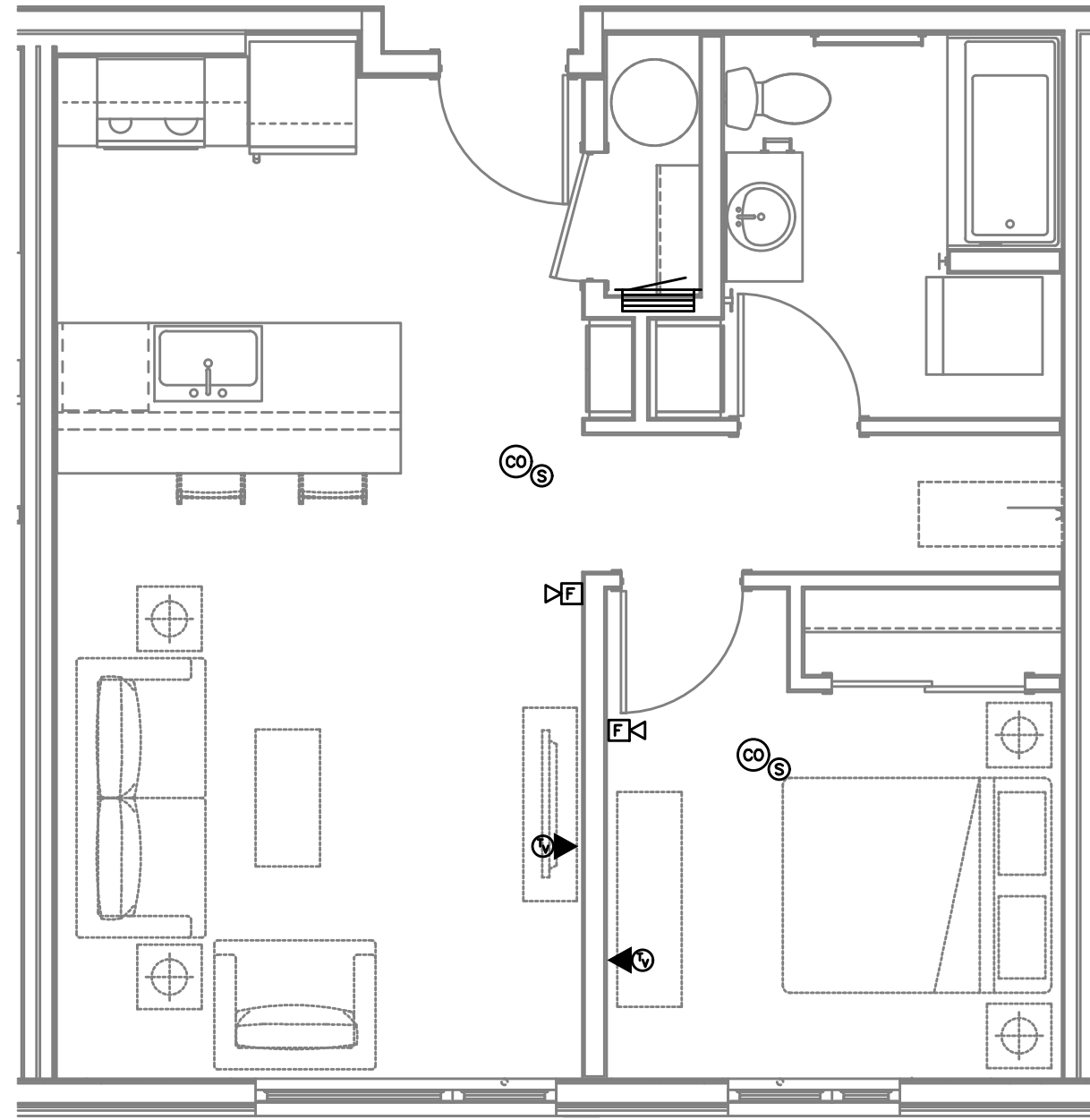
02.07.20
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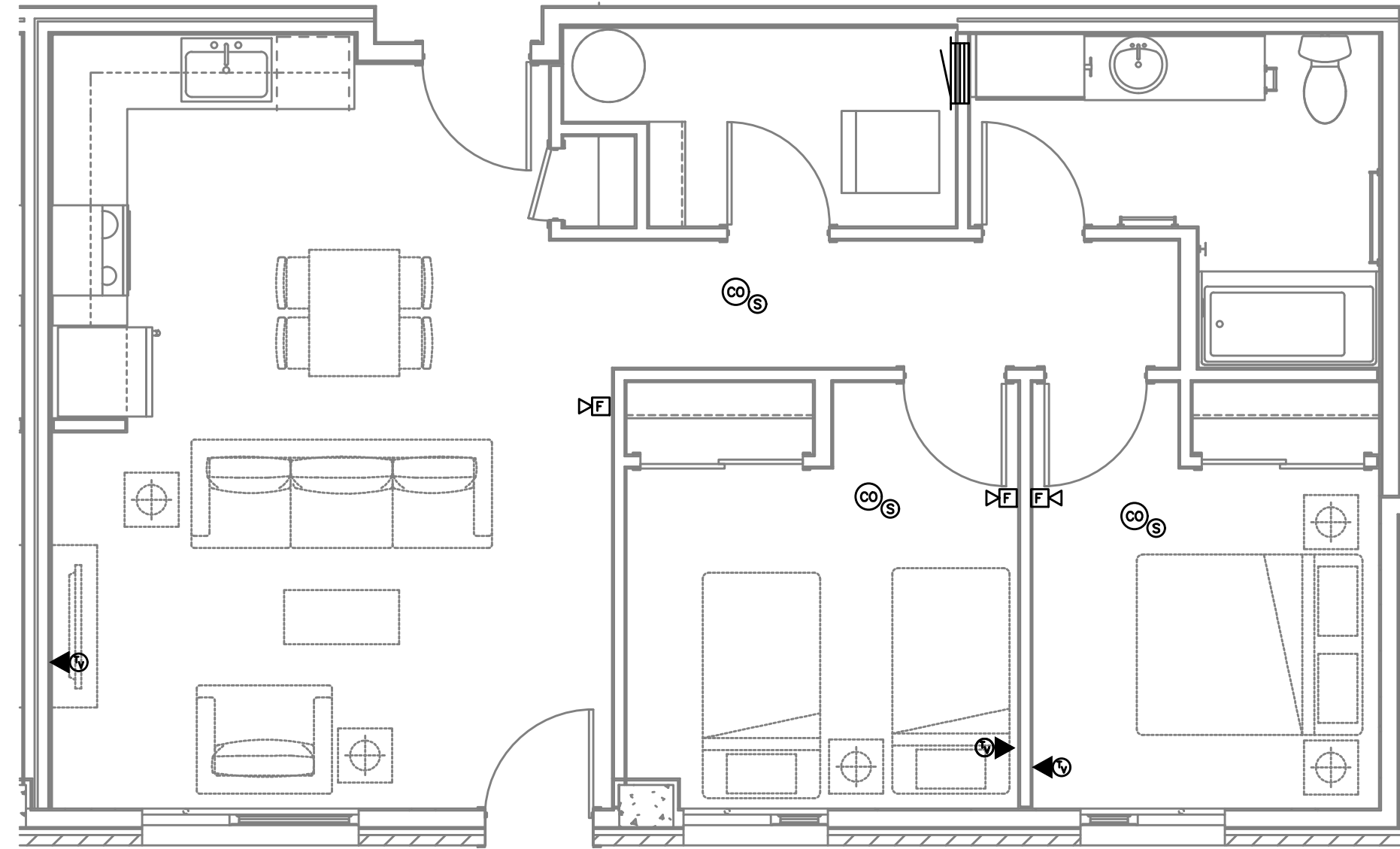
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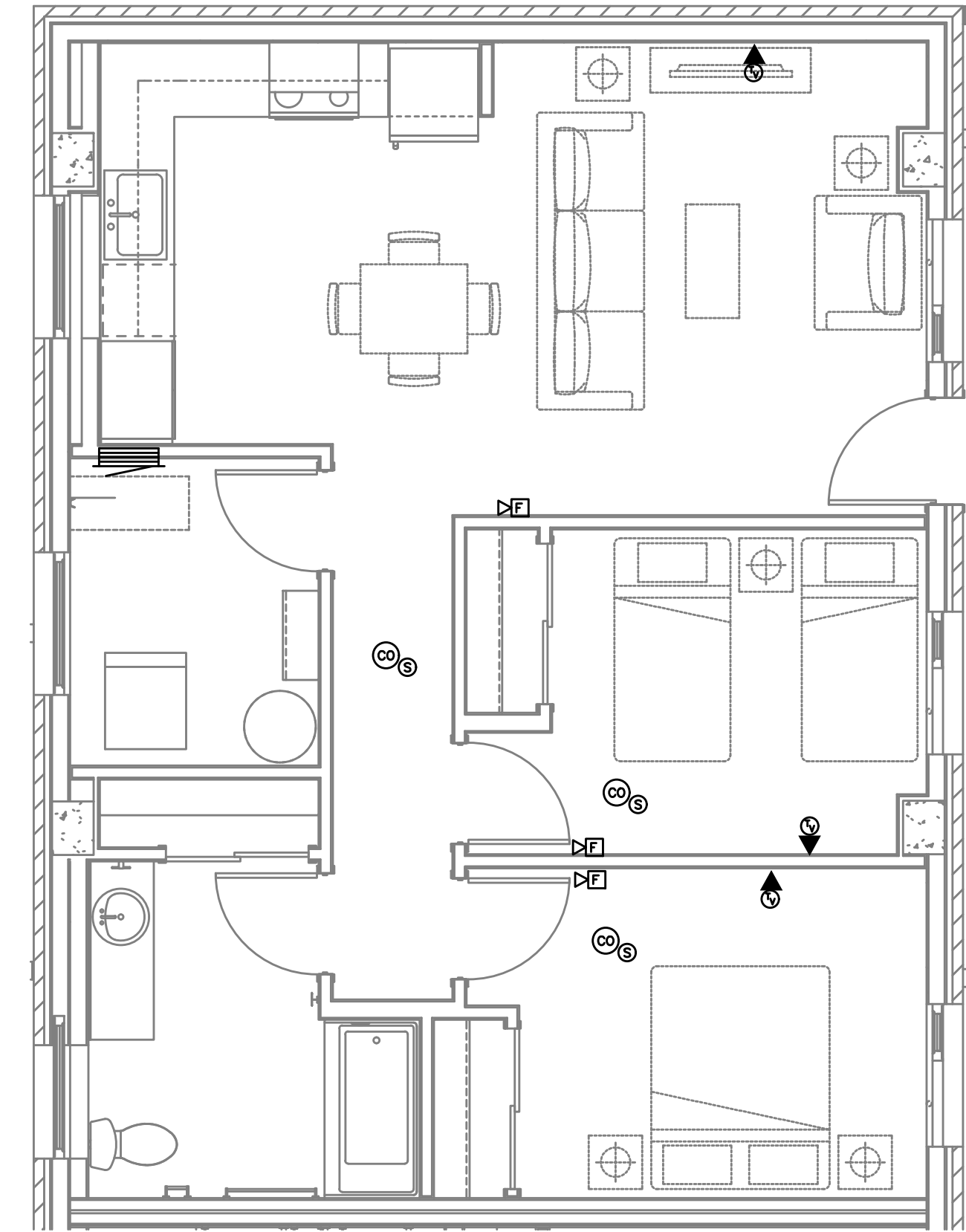
1 UNIT TYPE 1A (ADA) - TELCOM PLAN
T4.11 SCALE: 1/4" = 1'-0"



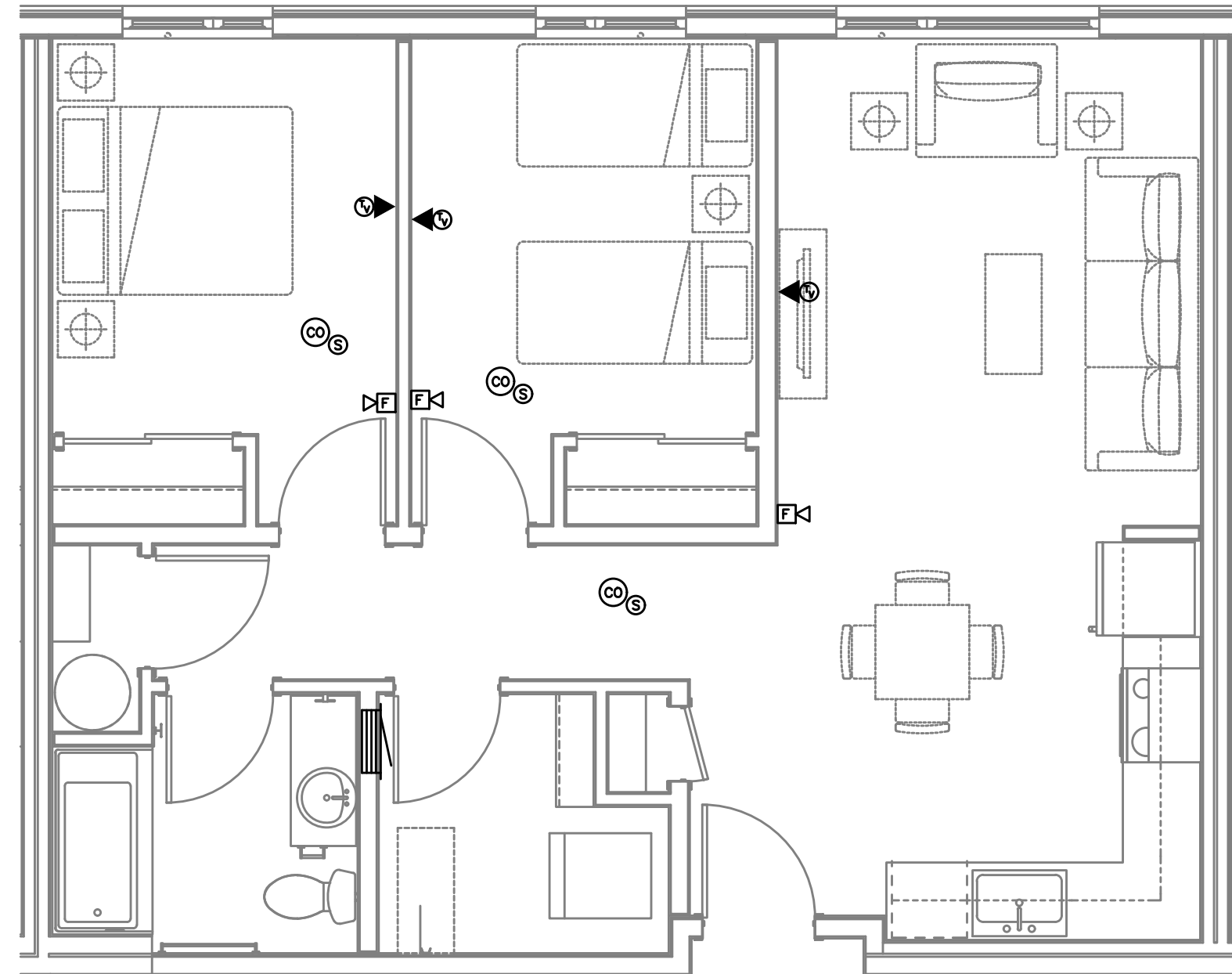
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T4.11 SCALE: 1/4" = 1'-0"



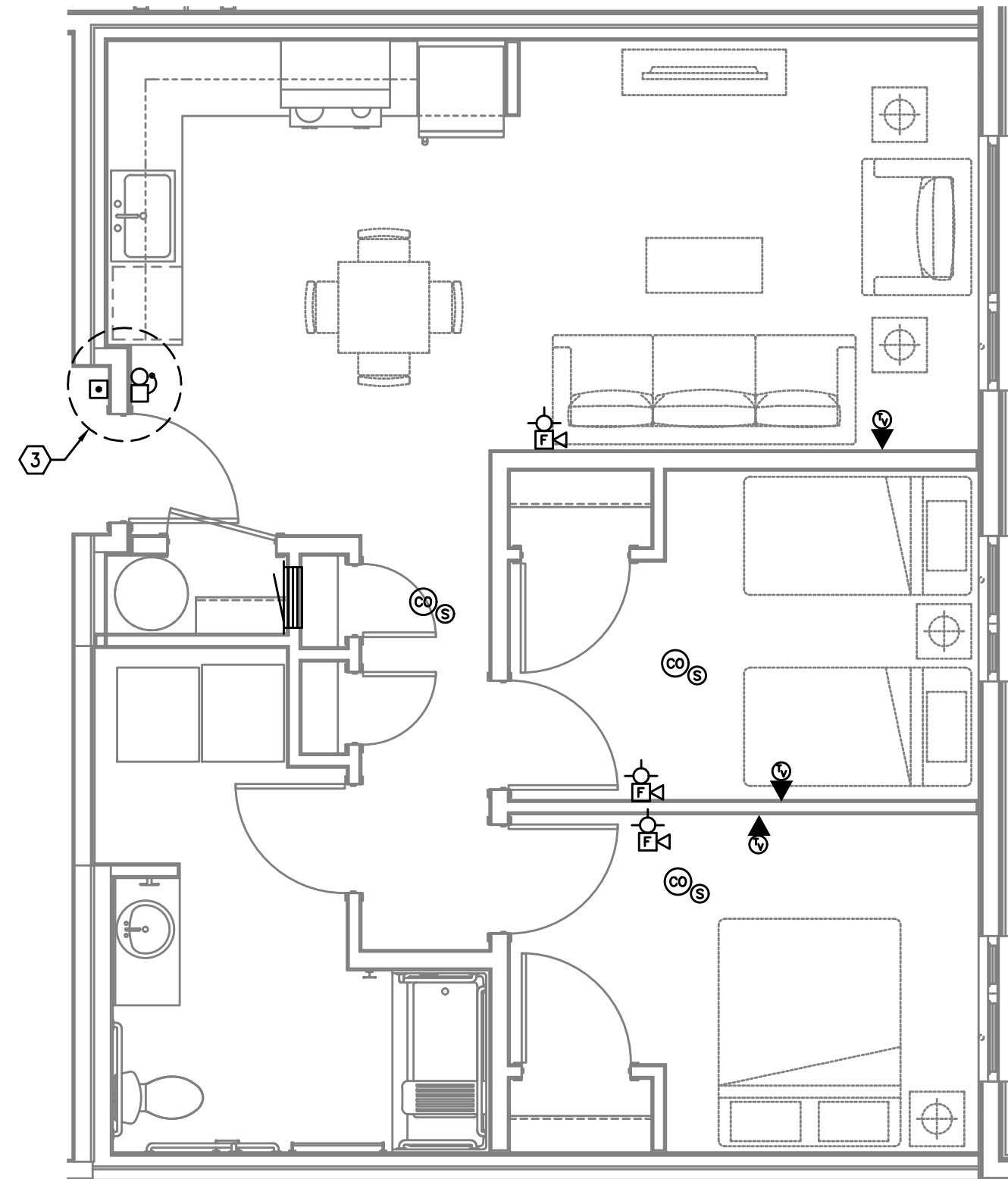
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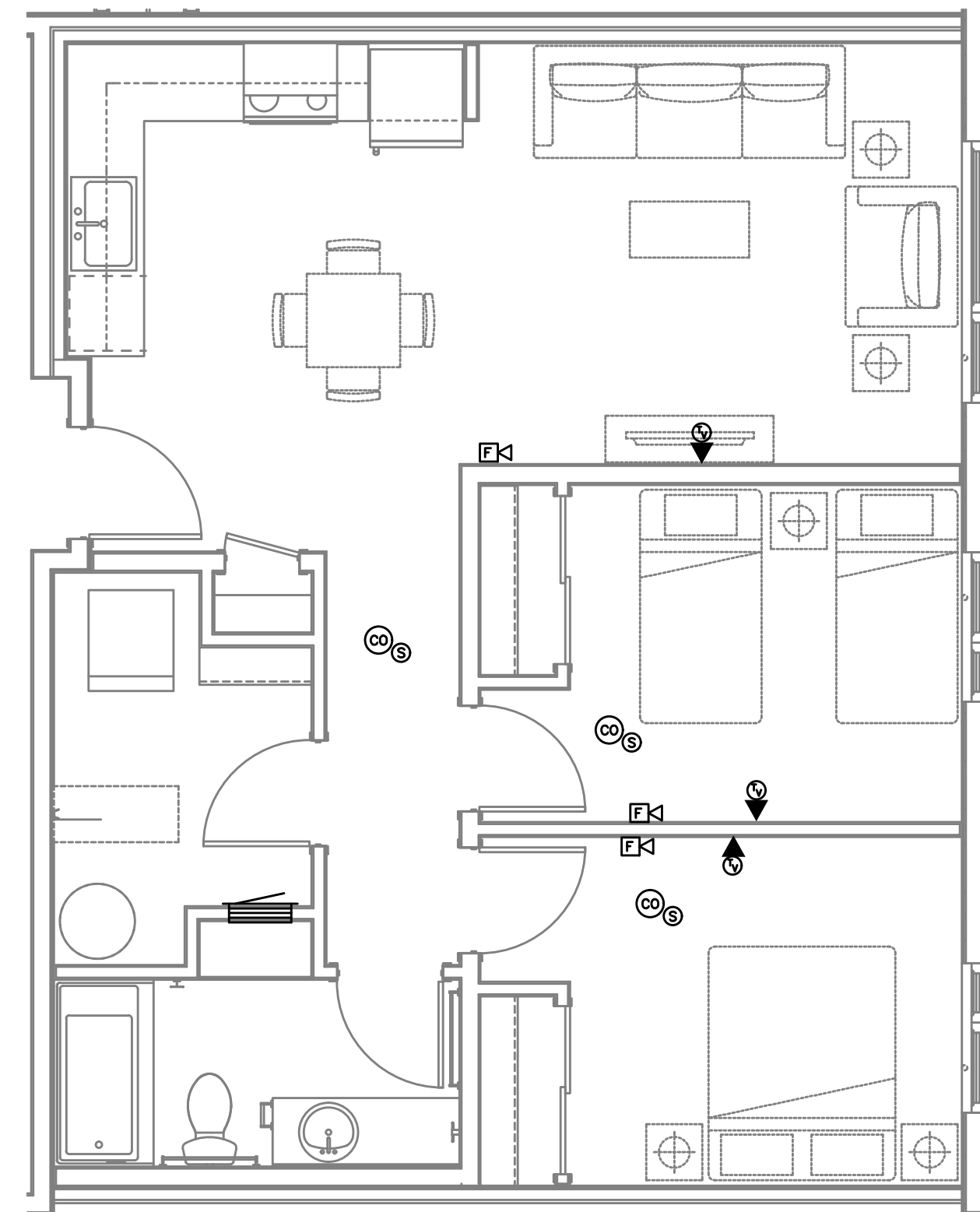
4 UNIT TYPE 2B - TELCOM PLAN
T4.11 SCALE: 1/4" = 1'-0"



5 UNIT TYPE 2C - TELCOM PLAN
T4.11 SCALE: 1/4" = 1'-0"



6 UNIT TYPE 2D (ADA) - TELCOM PLAN
T4.11 SCALE: 1/4" = 1'-0"



7 UNIT TYPE 2E - TELCOM PLAN
T4.11 SCALE: 1/4" = 1'-0"

ANSI TYPE "B" ACCESSIBLE

GENERAL NOTES:

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- FOR VOICE/DATA OUTLETS ON INTERIOR WALLS 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. ON EXTERIOR WALLS UTILIZE AN AIRTIGHT BOX BY AIRFOIL INC., OR APPROVED EQUAL.
- COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- PROVIDE PULL STRING IN ALL CONDUITS FOR LATER USE.
- ALL PENETRATIONS THROUGH FIREWALLS WILL NEED FIRESTOP OF THE APPROPRIATE RATING.

NOTES:

- MEDIA DISTRIBUTION ENCLOSURE, 30"H x 14"W x 3.5"D, NON-METALLIC WIFI TRANSPARENT FOR UTILITY DEMARCATION AND RESIDENT NETWORKING.
- PROVIDE (2) CATEGORY 5E AND (1) QUAD SHIELDED RG-6 AT EACH OUTLET LOCATION, ROUTED TO SMART PANEL AND TERMINATED ON APPROPRIATE GRADE OF EQUIPMENT. LABEL OUTLETS TO MATCH PORT USED IN SMART PANEL.
- PROVED WIRED DOORBELL WITH AUDIO AND VISUAL INDICATION AT UNITS 201 AND 303 ONLY.

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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5020 CONDOMINIUMS
PROUD GROUND / HABITAT FOR HUMANITY
5050 N INTERSTATE AVE.
PORTLAND, OR 97217
CONFORMANCE SET

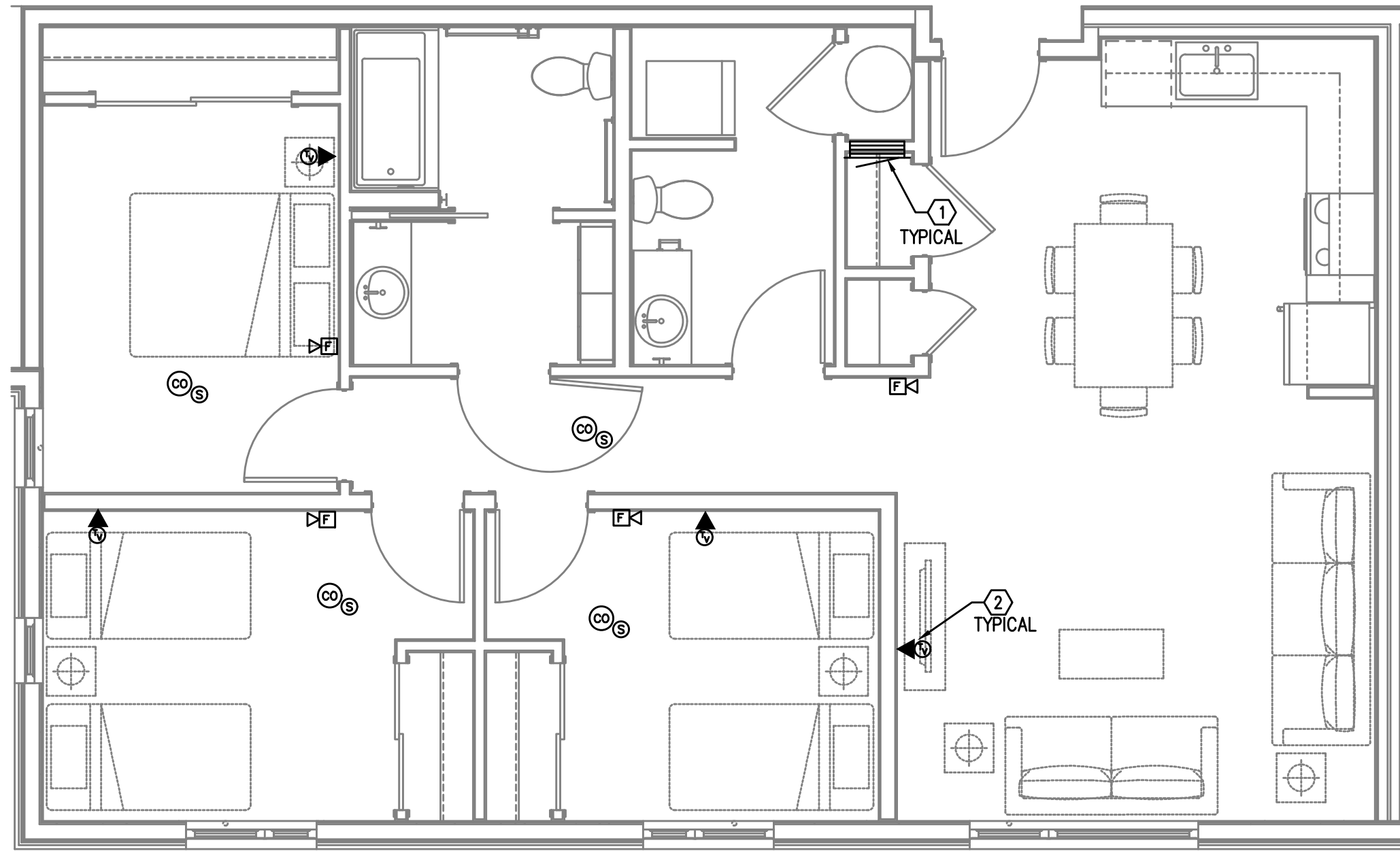
TYPICAL UNIT
TELCOM
PLANS

PROJECT NO.
17020

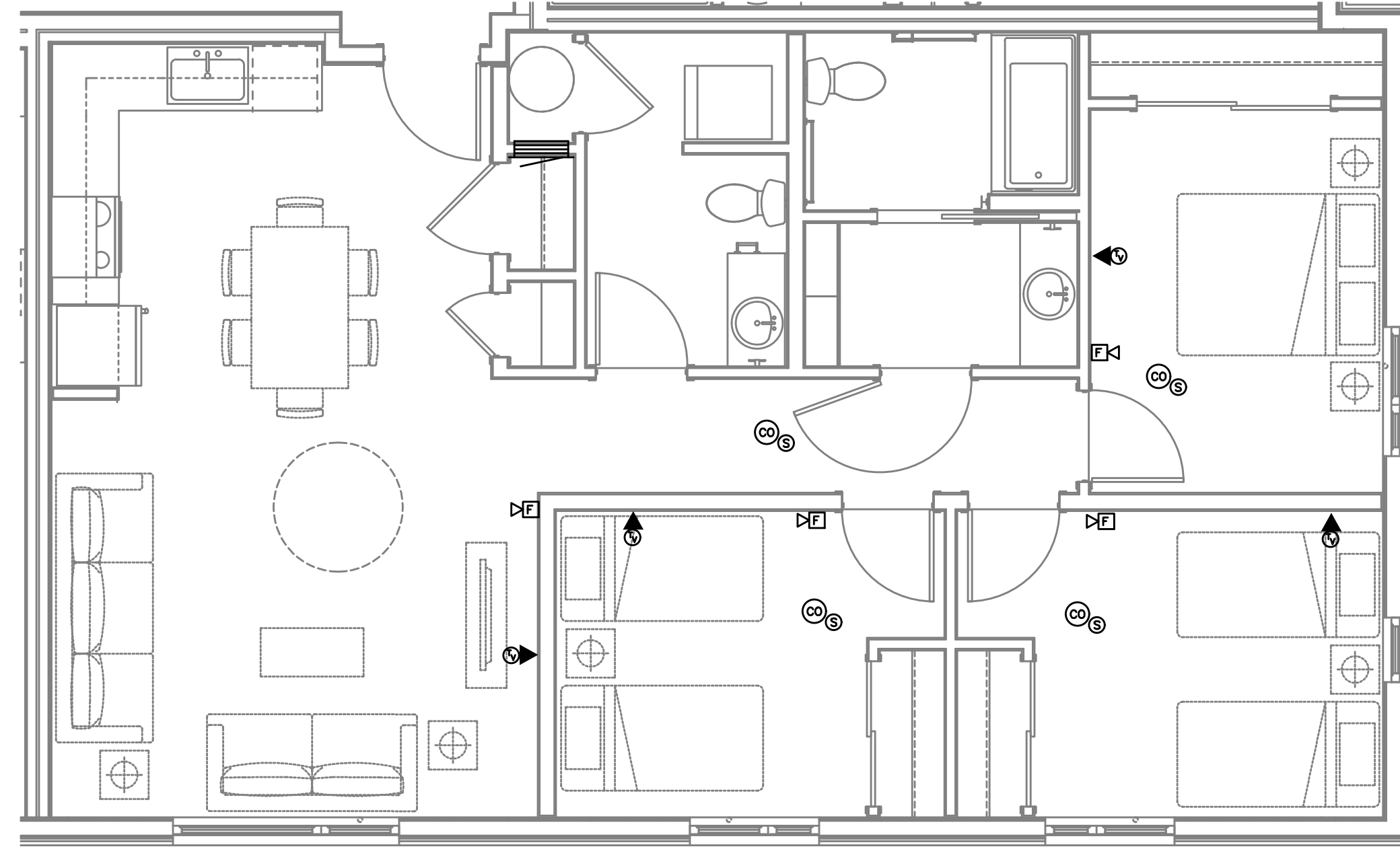
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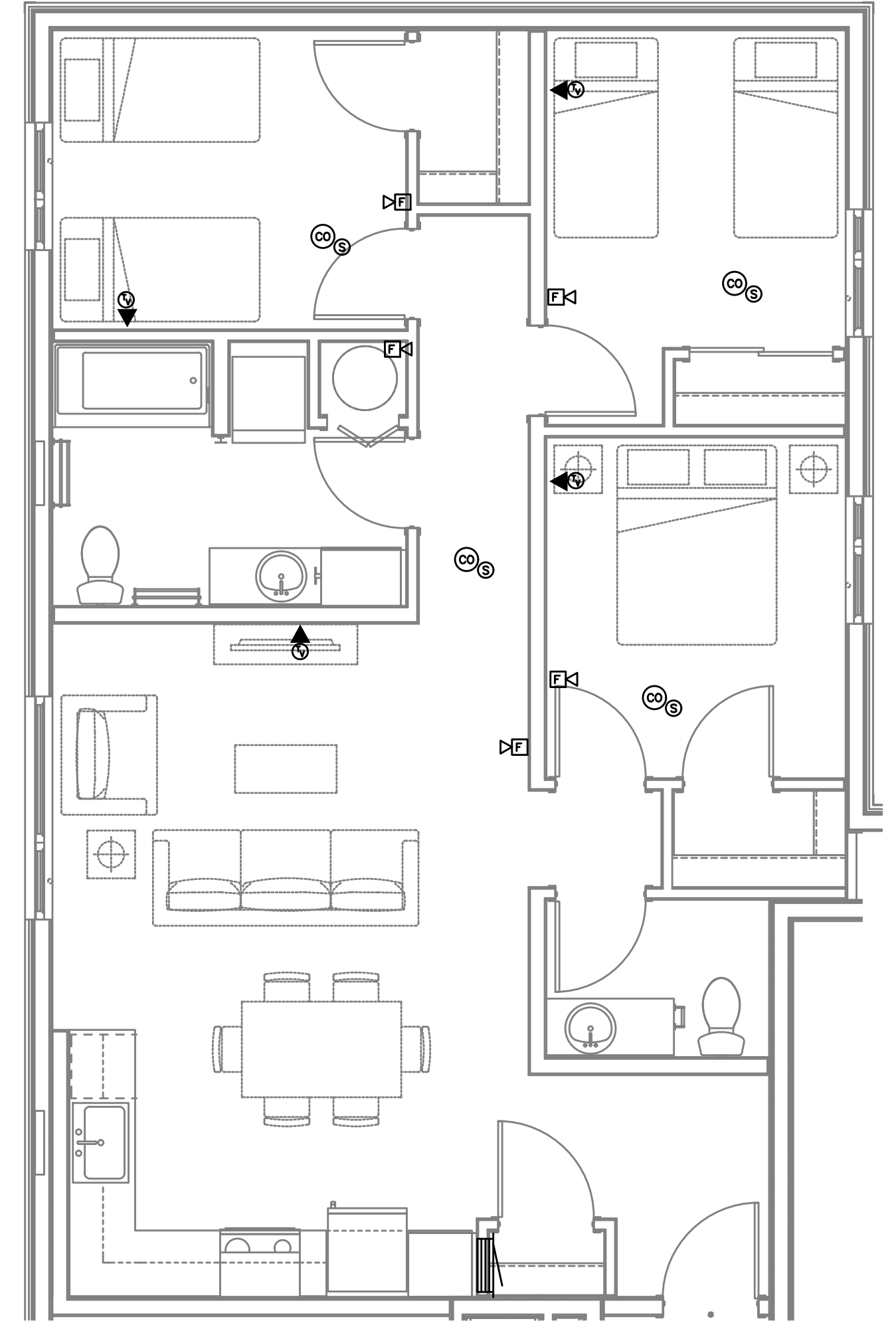
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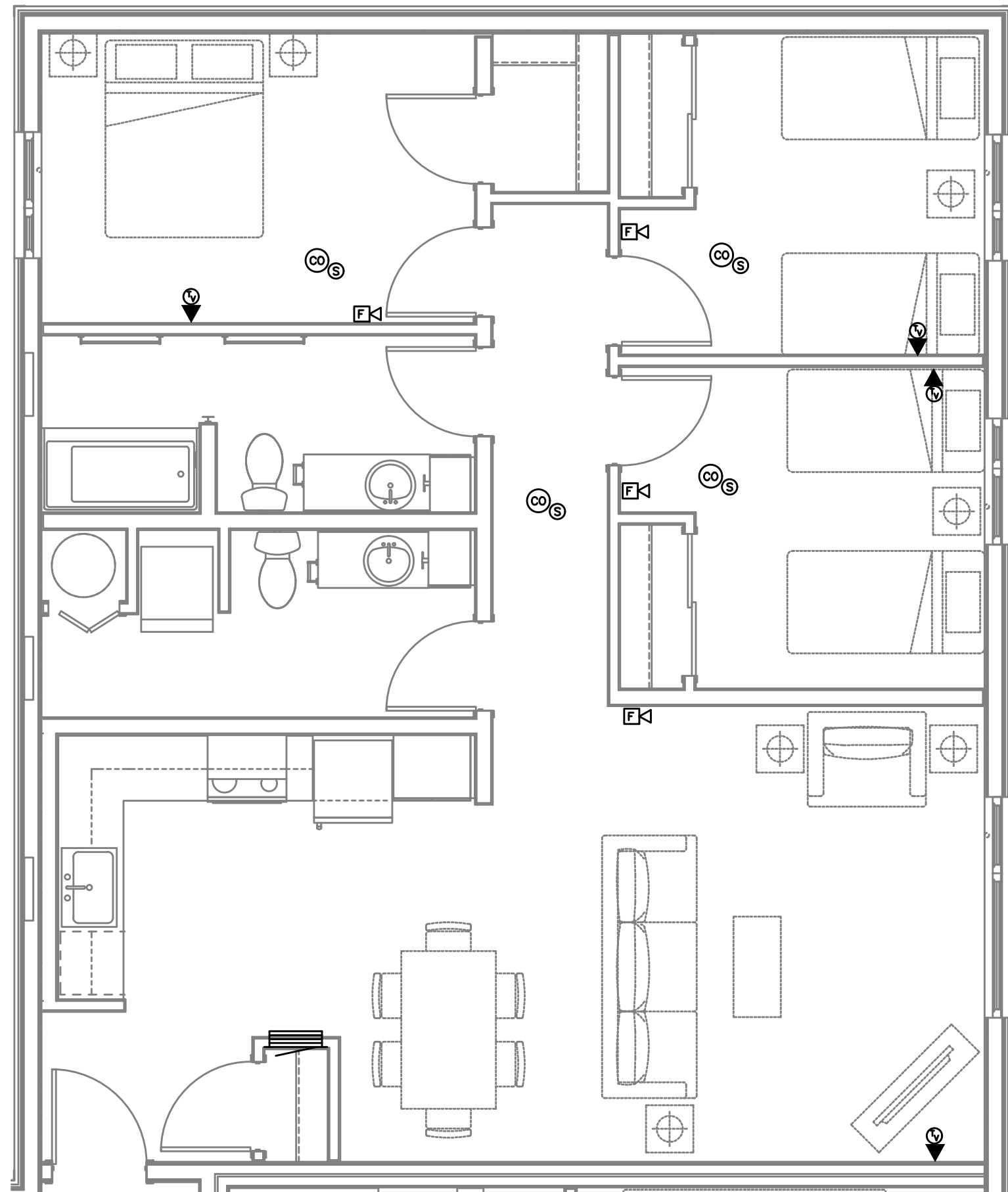
1 UNIT TYPE 3A - TELCOM PLAN
T4.12 SCALE: 1/4" = 1'-0"



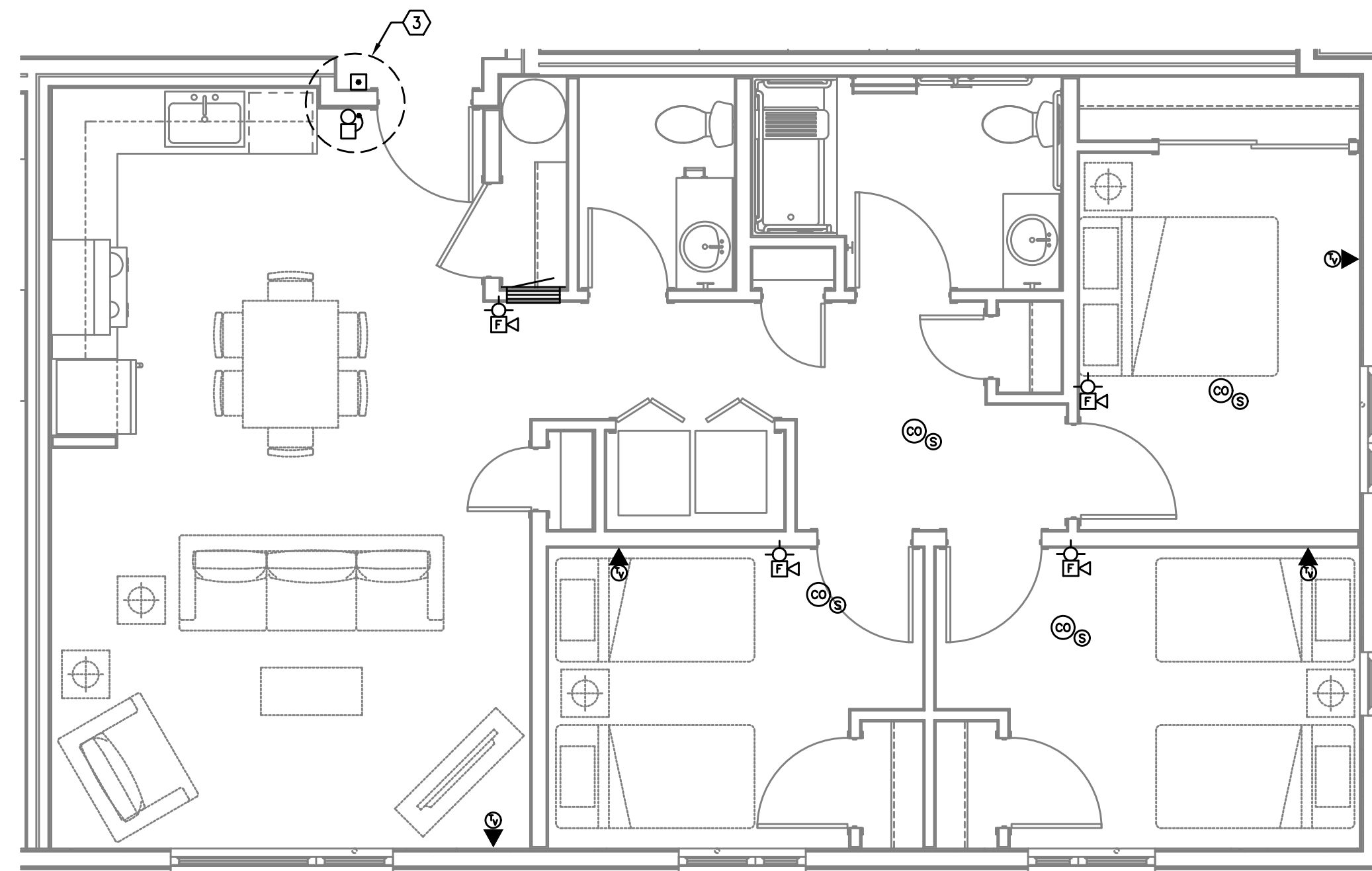
2 UNIT TYPE 3AS - TELCOM PLAN
T4.12 SCALE: 1/4" = 1'-0"



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



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



5 UNIT TYPE 3D (ADA) - TELCOM PLAN
T4.12 SCALE: 1/4" = 1'-0"

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