

TELCOM SYMBOL LIST

SIGNAL SYMBOLS

	TELEPHONE OUTLET +18" A.F.F.
	WALL TELEPHONE OUTLET +48" A.F.F.
	ROUGH-IN FOR WIRELESS ACCESS POINT
	ROUGH-IN FOR OUTLET +18" A.F.F., U.O.N.
	'C' INDICATES OUTLET ABOVE COUNTER
	'X' INDICATES CABLE/PORT COUNT IN FP
	OUTLET IN FLOOR BOX (2) PORTS U.O.N.
	OUTLET INSTALLED IN POKE-THROUGH
	CATV OUTLET +18" A.F.F., U.O.N.
	JUNCTION BOX
	AUDIO/VISUAL OUTLET +18" A.F.F., U.O.N.
	CLOCK
	FLOOR STANDING DATA RACK
	DOUBLE SIDED VERTICAL CABLE MANAGER
	LADDER RACK/ CABLE TRAY

WIRING SYMBOLS

	CONDUIT SIZE
	CONDUIT (UNDER SLAB OR FLOOR)
	FLEXIBLE CONNECTION
	CONDUIT, STUBBED & CAPPED

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 SPEAKER, +80" A.F.F.
	FIRE ALARM SPEAKER/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)

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

	APPROX. CAMERA VIEW
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	APARTMENT ENTRY SYSTEM
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PAGING AND INTERCOM SYMBOLS

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

	HOMERUN TO EQUIPMENT
	ZONE INDICATION
	SPEAKER CONNECTION, NOT INDICATING CABLE PATH

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
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

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

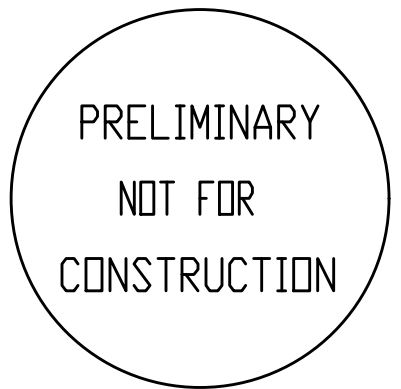
GENERAL NOTES:

- 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 AND DURING CONSTRUCTION.
- 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.
- COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT SIZES AND LOCATION TO ROUTE TO CONDUIT TO.
- CUSTOMER TO PROVIDE ALL TRENCHING AND BACKFILLING. TRENCH TO BE 36 INCHES DEEP AND 30 INCHES WIDE, MEASURED FROM FINAL GRADE.
- THE TECHNOLOGY CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- COORDINATE WITH MECHANICAL PLANS FOR LOCATIONS OF SMOKE, FIRE/SMOKE DAMPERS, AND ROOF TOP UNITS REQUIRING CONNECTION TO FIRE ALARM SYSTEM.
- 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.
- COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- REFER TO ENLARGED TYPICAL UNIT PLANS (IF PROVIDED) FOR TYPICAL LAYOUTS FOR ALL APARTMENT UNIT TYPES.

FIRE ALARM GENERAL NOTES:

- HIGH-RISE BUILDING SHALL BE PROVIDED WITH AN AUTOMATIC SMOKE DETECTION SYSTEM IN ACCORDANCE WITH SECTION 907.2.12.1, A FIRE DEPARTMENT COMMUNICATION SYSTEM IN ACCORDANCE WITH SECTION 907.2.12.2 AND AN EMERGENCY VOICE ALARM COMMUNICATION SYSTEM IN ACCORDANCE WITH SECTION 907.5.2.2.
- AREA SMOKE DETECTION IN ACCORDANCE WITH 907.2.12.1.1 SHALL BE CONNECTED TO AN AUTOMATIC FIRE ALARM SYSTEM. THE ACTIVATION OF ANY DETECTOR REQUIRED BY THIS SECTION SHALL ACTIVATE THE EMERGENCY VOICE ALARM SYSTEM IN ACCORDANCE WITH SECTION 907.5.2.2. IN ADDITION TO SMOKE DETECTORS REQUIRED BY SECTIONS 907.2.1 THROUGH 907.2.9 SMOKE DETECTORS SHALL ALSO BE LOCATED IN ROOMS HOUSING MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT AND/OR TRANSFORMERS, TELEPHONE EQUIPMENT OR SIMILAR ROOM NOT EQUIPPED WITH A SPRINKLER PROTECTION. ALSO, EACH ELEVATOR MACHINE ROOM, MACHINERY SPACE, CONTROL ROOM, AND ELEVATOR LOBBIES.

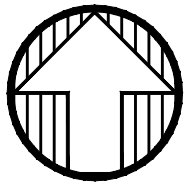
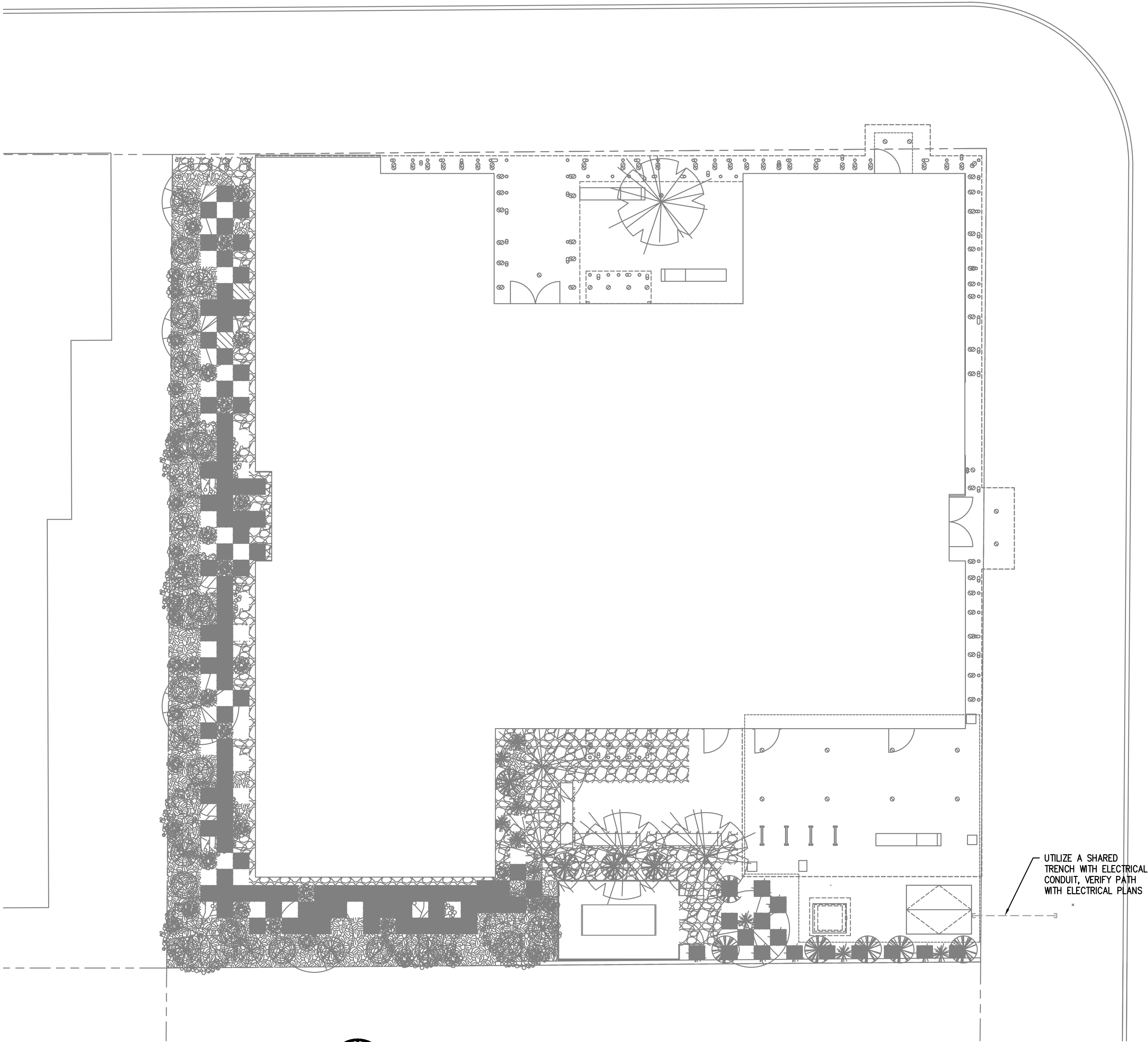
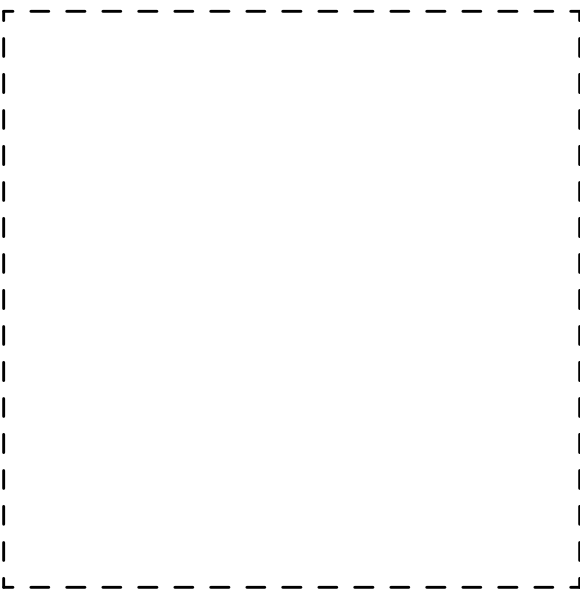
FIRE ALARM AND DETECTION SYSTEM SHOWN ON PLAN(S) ARE FOR DESIGN INTENT ONLY. THIS IS A DEFERRED SUBMITTAL SYSTEM REQUIRING THE CONTRACTOR TO COMPLETE THE PERMIT READY DESIGN AND CALCULATIONS AS REQUIRED PER THE AUTHORITY HAVING JURISDICTION. VERIFY BUILDING OCCUPANCY TYPE AND OCCUPANT LOAD WITH ARCHITECTURAL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



PERMIT SET

Issued:	
PERMIT SET	7.29.2021
Job #:	2020
ORIGINAL SHEET SIZE: 24" x 36" HALF SIZE: 12" x 18"	

TECHNOLOGY SYMBOL LIST



1
T1.01

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

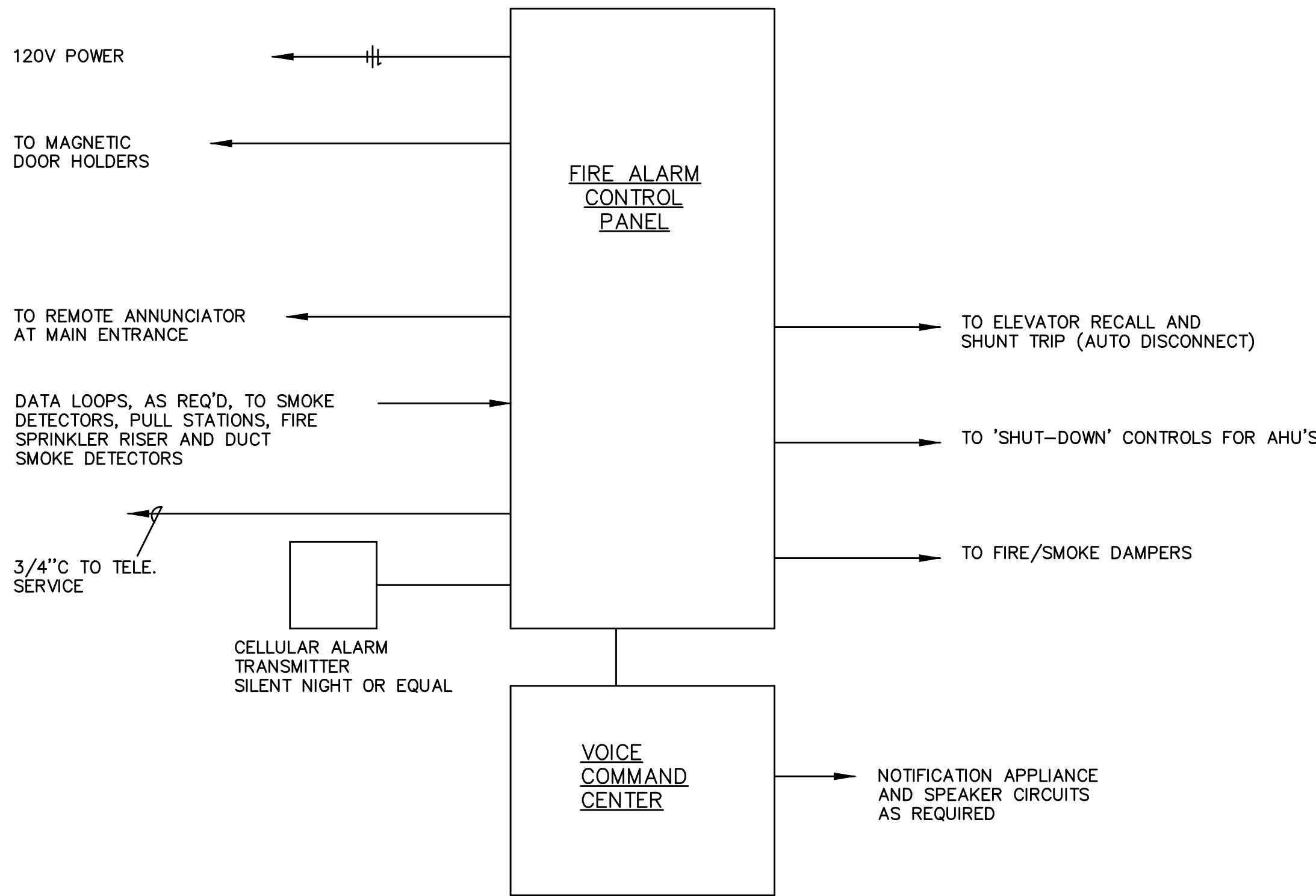
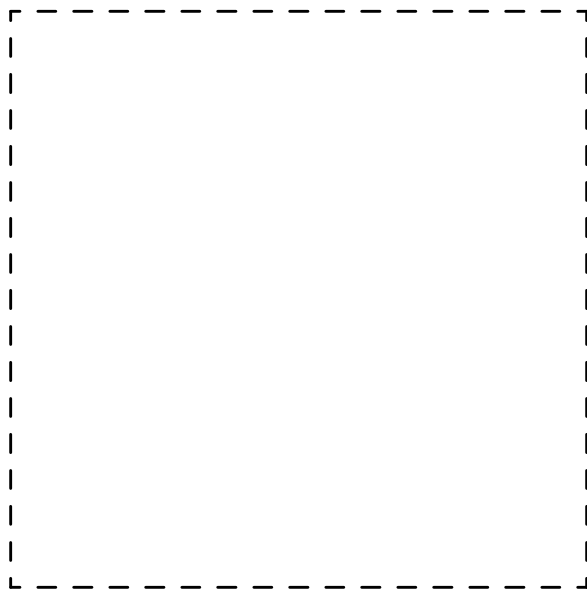
GENERAL NOTES:

- A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES.
- B. PLANS ARE DIAGRAMMATIC AND MAY OR MAY NOT REFLECT ACTUAL FIELD CONDITIONS.
- C. COORDINATE WITH UTILITY PROVIDER FOR EXACT CONDUIT COUNT AND SIZE REQUIREMENTS.
- D. CONTRACTOR SHALL REVIEW THE UTILITY PROVIDER'S SERVICE REQUIREMENTS PRIOR TO THE START OF ANY WORK.
- E. CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND SPECIFICATIONS IN DETAIL AND REFER TO THE DOCUMENTS THROUGHOUT THE CONSTRUCTION.
- F. POWER INFORMATION SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL SHEETS FOR MOST ACCURATE INFORMATION.

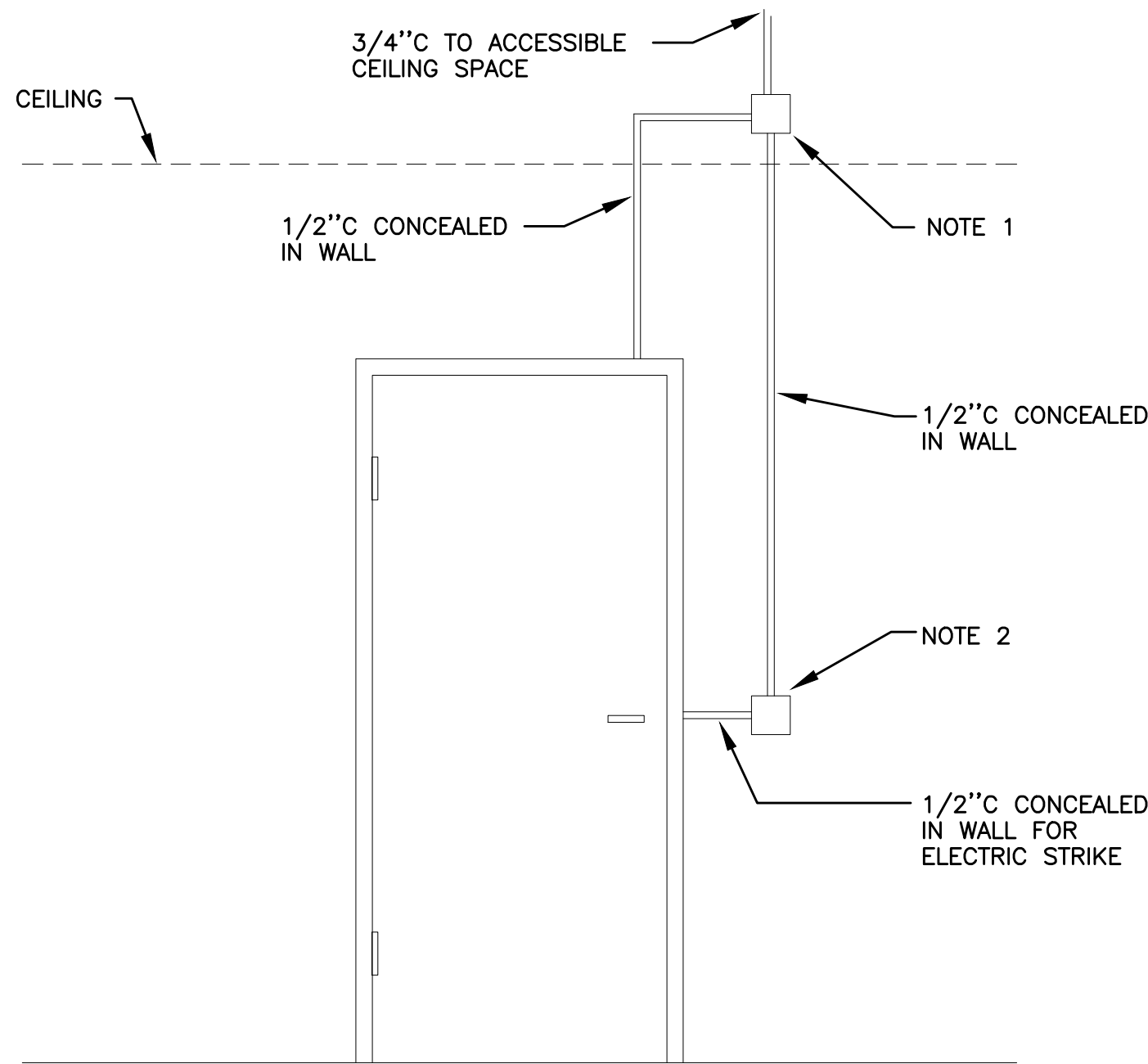
UTILITY REQUIREMENTS

- 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 PVC CONDUIT WITH NYLON PULL STRINGS (MIN 500 LBS. TEST). UTILITIES TO DETERMINE THE SIZE AND NUMBER OF CONDUITS REQUIRED. ALL ELBOWS TO BE 36 INCH (MIN) RADIUS. ALL BENDS MAY BE FACTORY MADE.
- 3. CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES BEFORE TRENCHING.





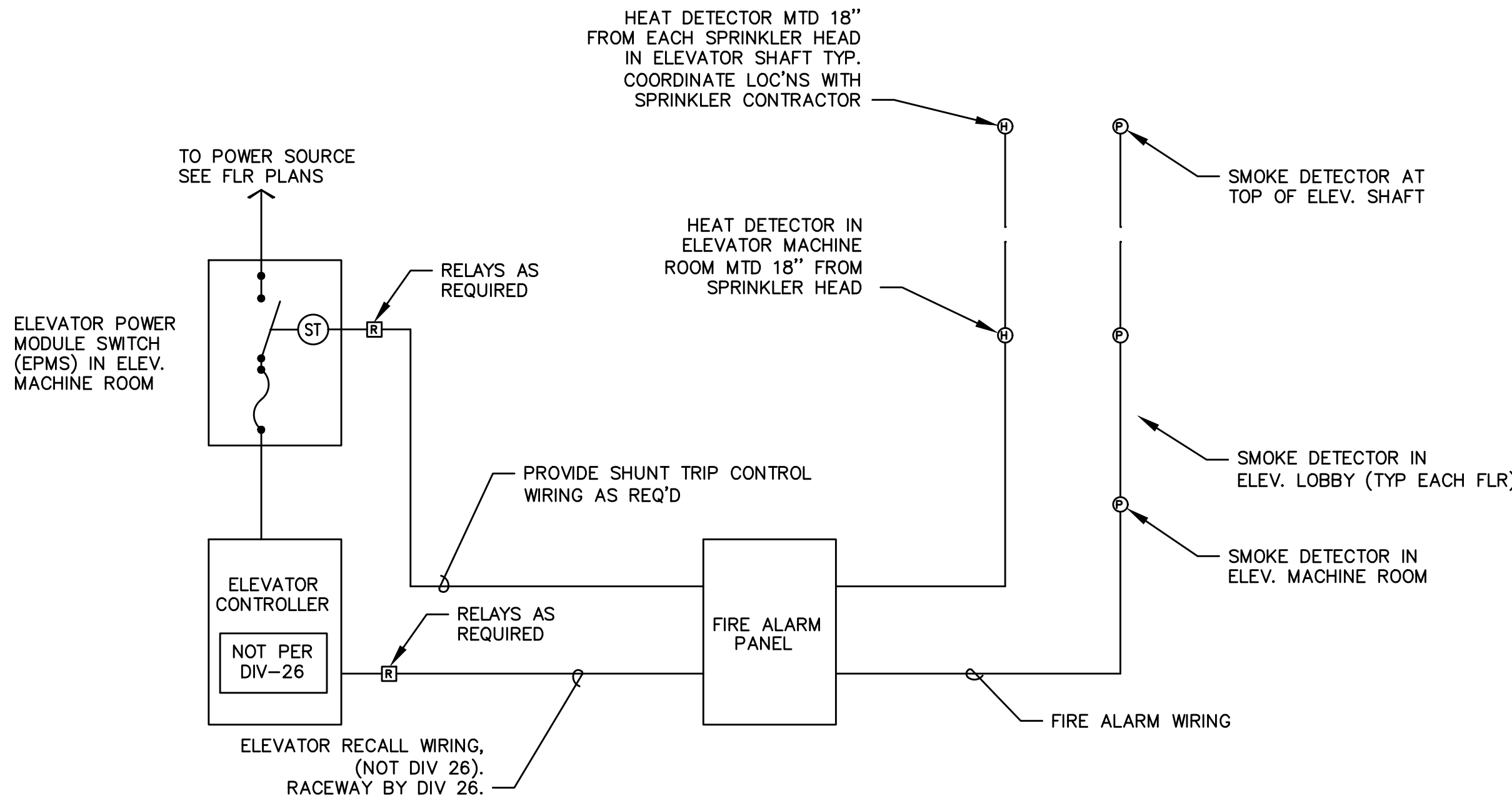
1 FIRE ALARM ONE LINE DIAGRAM
T1.11 NTS



SECURITY ROUGH-IN NOTES

- 4 SQUARE J-BOX @ 0'-6" ABOVE FINISHED CEILING, VERIFY WITH ARCHITECT.
- DBL GANG BOX, PROVIDE SNGL GANG REDUCER RING IF NEEDED BY SECURITY DEVICE. COORDINATE WITH ARCHITECT TO MEET ADA REQUIREMENTS.

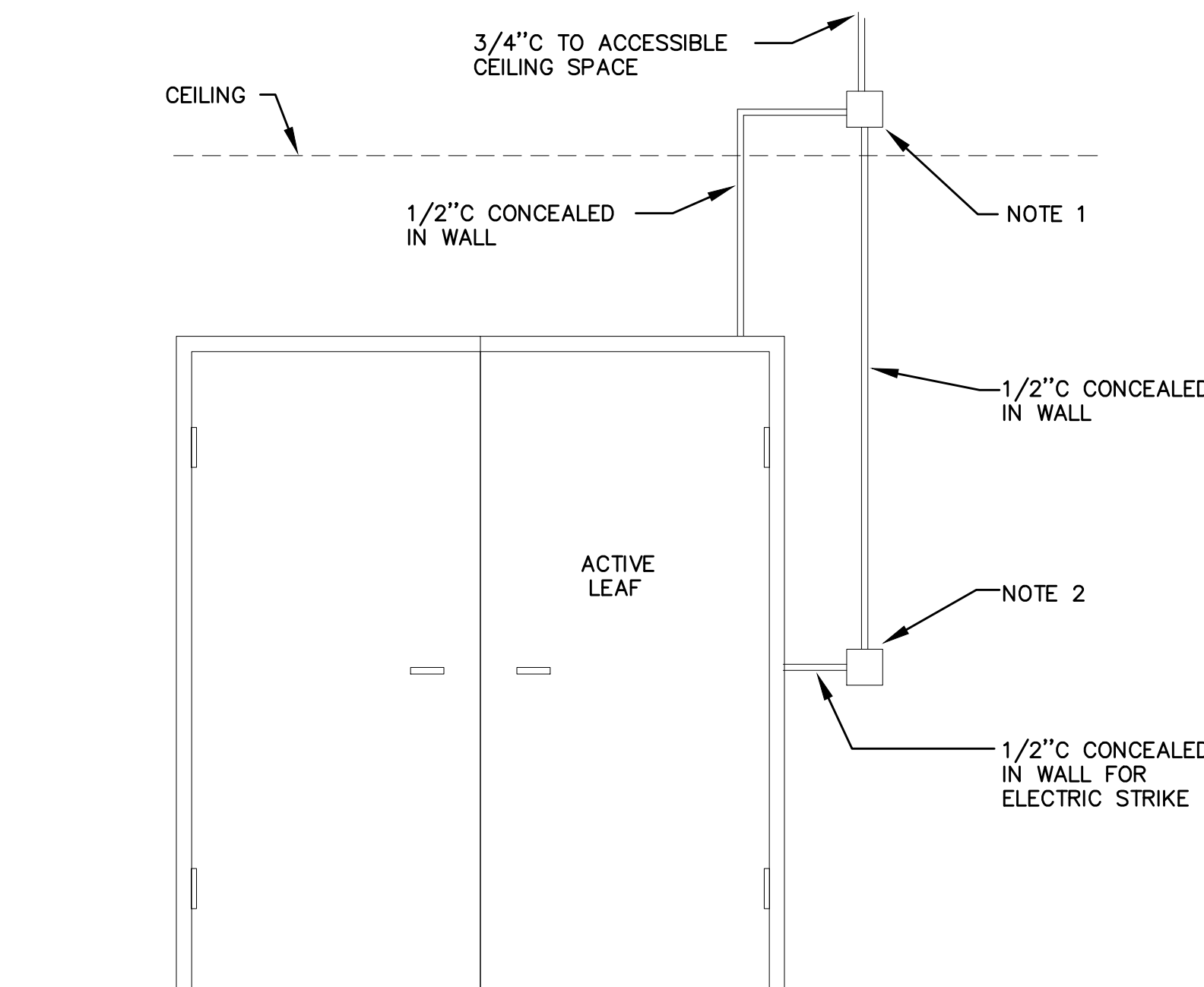
3 ACCESS CONTROL ROUGH-IN
T1.11 NTS



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
T1.11 NTS



SECURITY ROUGH-IN NOTES

- 4 SQUARE J-BOX @ 0'-6" ABOVE FINISHED CEILING, VERIFY WITH ARCHITECT.
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4 ACCESS CONTROL ROUGH-IN
T1.11 NTS

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PRELIMINARY
NOT FOR
CONSTRUCTION

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Project Name:
MINNESOTA
PLACES

1208 N. JESSUP &
5627 N. MINNESOTA
(R226159, R226160)

PERMIT
SET

Issued:
PERMIT SET 7.29.2021

Job #: 2020

ORIGINAL SHEET SIZE: 24" x 36"
HALF SIZE: 12" x 18"

TECHNOLOGY
ONE-LINE
DIAGRAM

Drawing Number

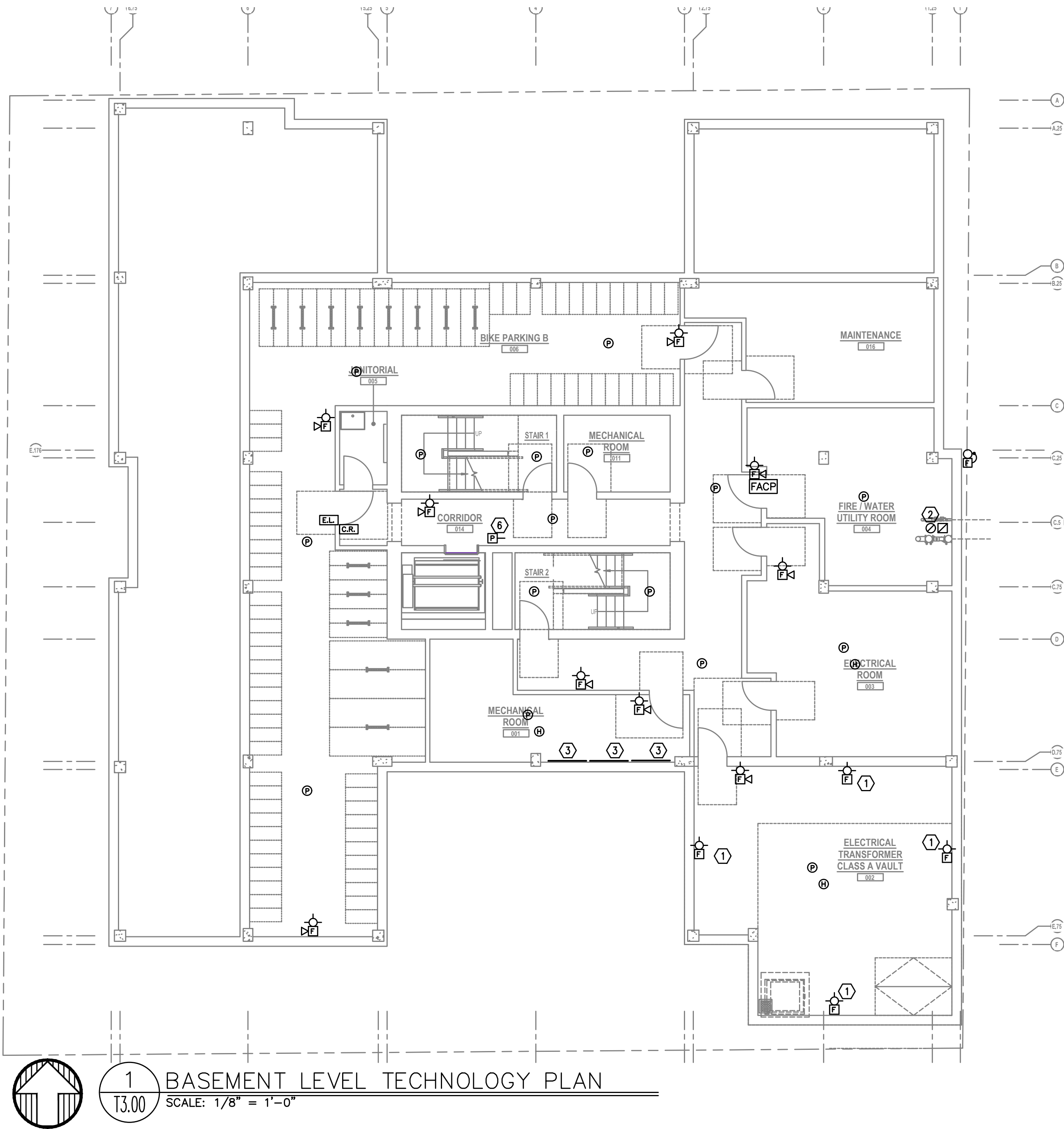
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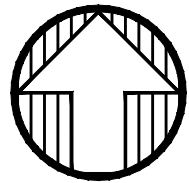
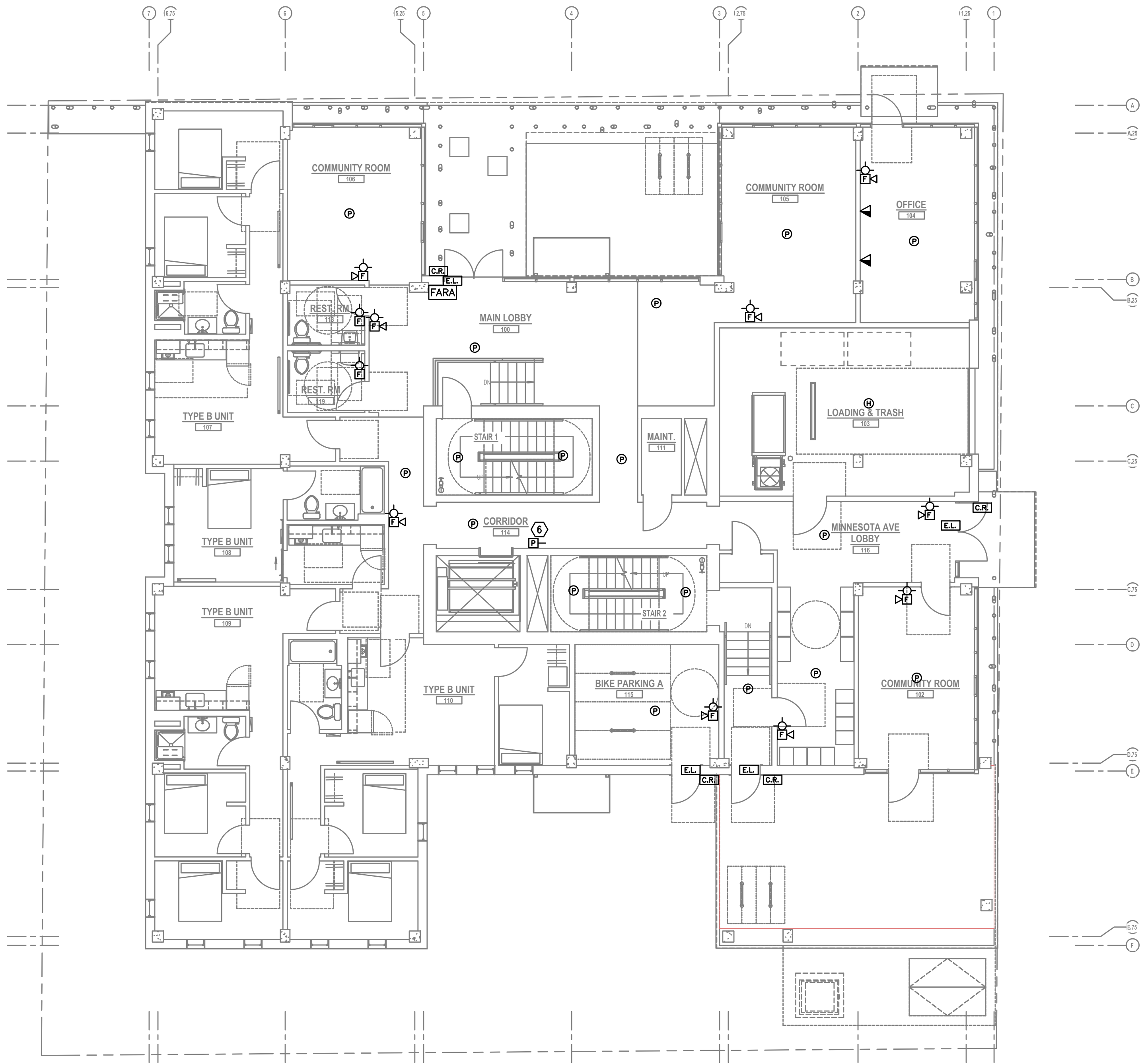
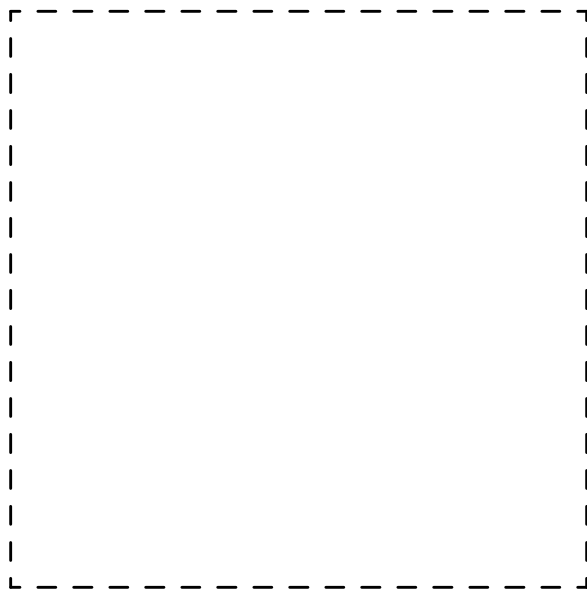
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PLAN NOTES:

1. STROBES TO BE PLACED AT 24" AT ELECTRICAL UTILITY REQUEST.
2. VERY COUNT AND LOCATION FOR FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER PLANS.
3. 4x8 FIRE RATED BACKBOARDS FOR CATV AND PHONE UTILITY.
4. 42" 'RF' TRANSPARENT SMART PANEL FOR UTILITY DEMARCATION WITHIN UNIT.
5. SMOKE AND CO DETECTORS CAN BE A SINGLE COMBINED UNIT.
6. VERIFY EXACT LOCATION AND COUNT OF DUCT DETECTORS WITH MECHANICAL PLANS.





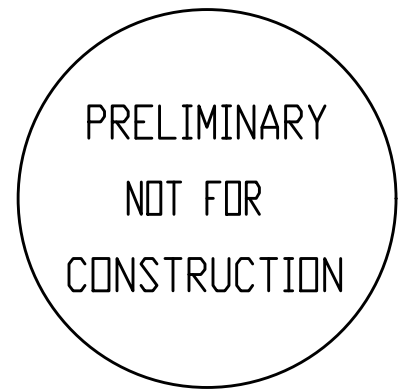
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T3.01 FIRST FLOOR TECHNOLOGY PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

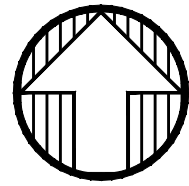
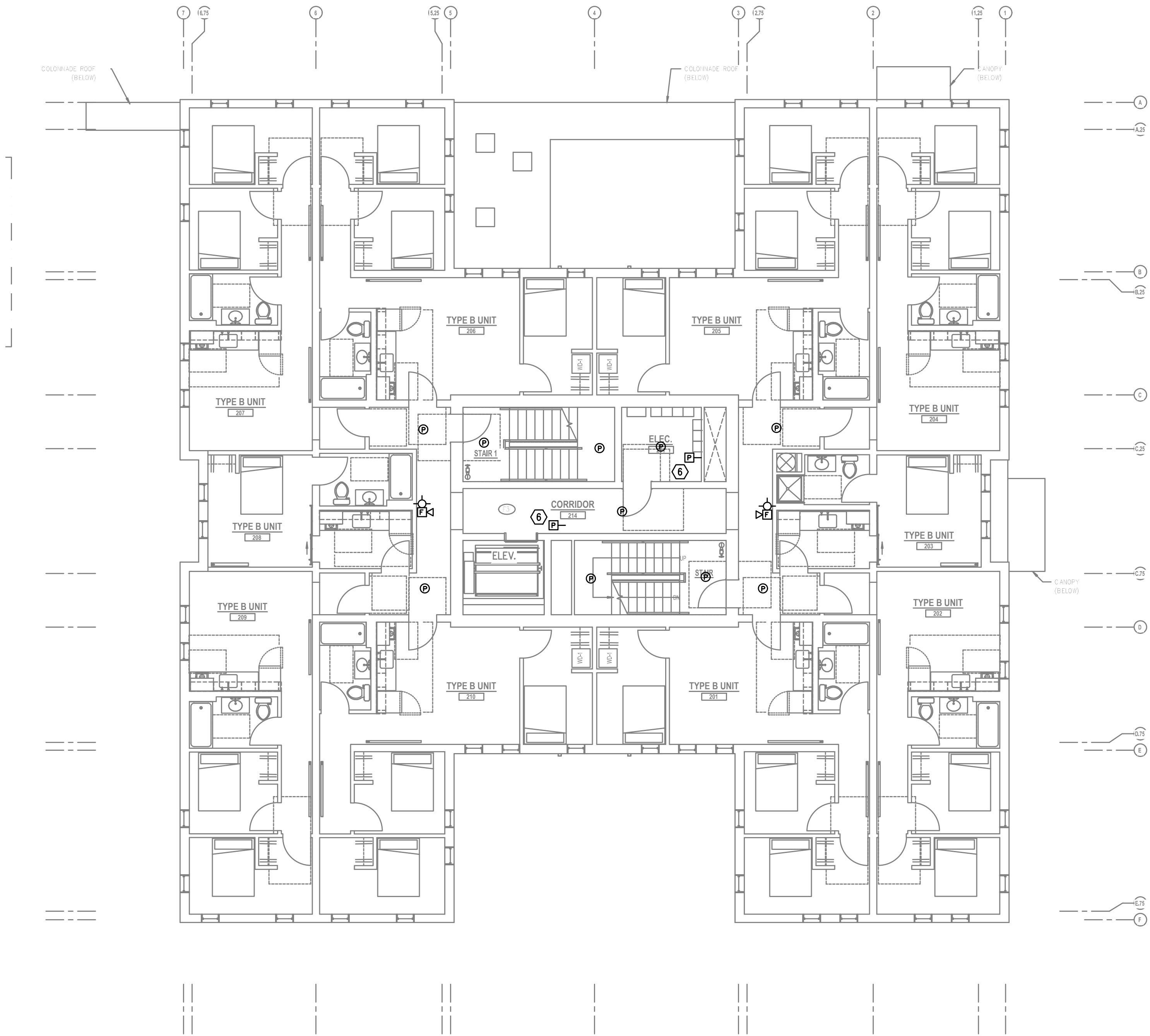
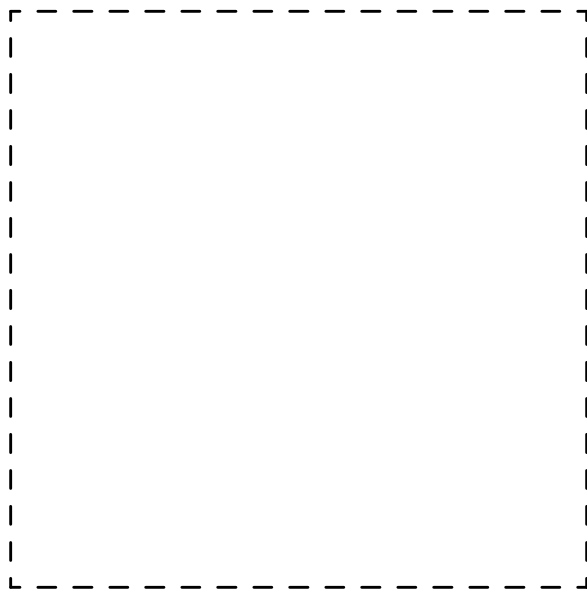
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PLAN NOTES:

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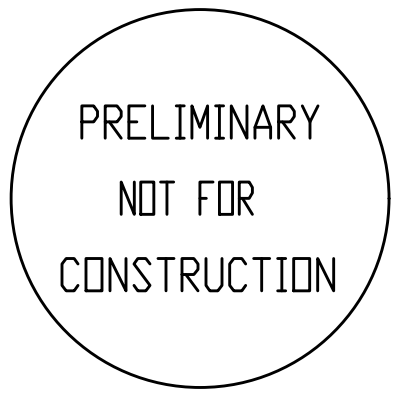
1 SECOND FLOOR TECHNOLOGY PLAN
T3.02 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

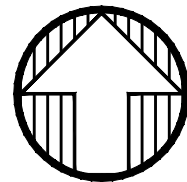
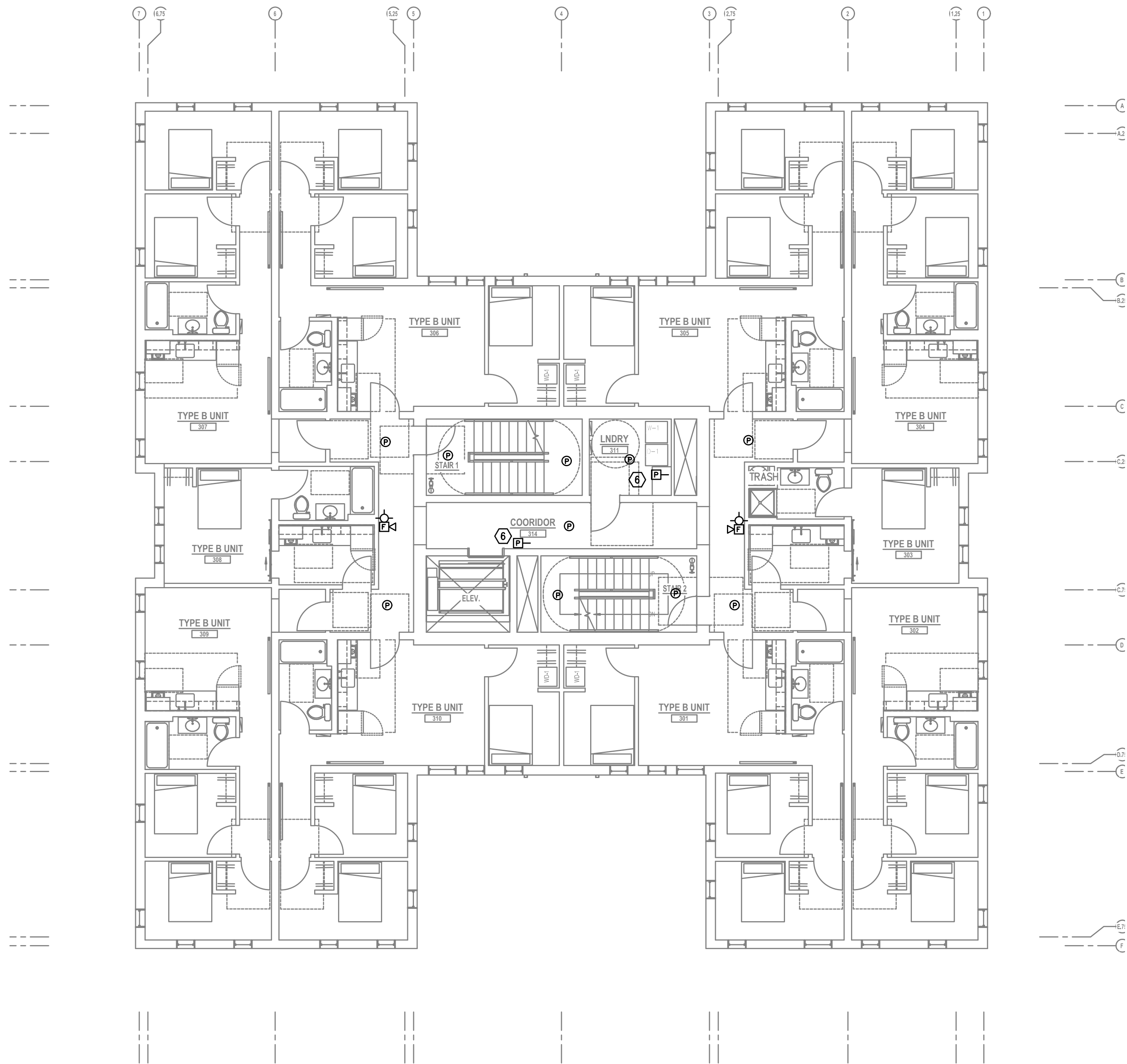
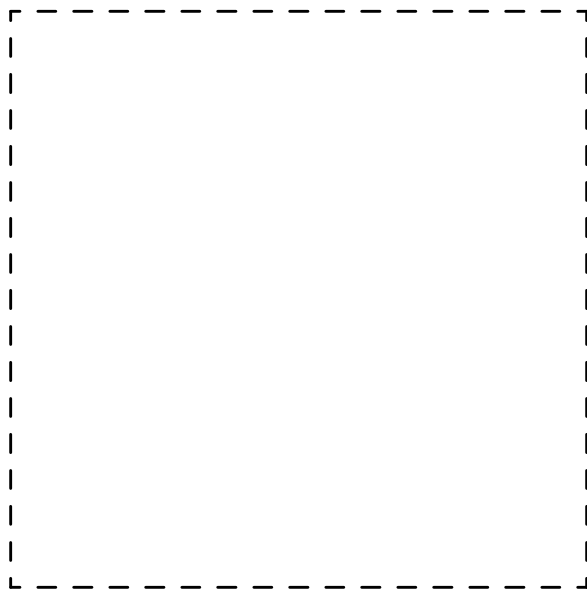
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1
T3.03

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

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6. VERIFY EXACT LOCATION AND COUNT OF DUCT DETECTORS WITH MECHANICAL PLANS.

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Project Owner:
NATIVE LAND DEVELOPMENT

Project Name:
MINNESOTA
PLACES

1208 N. JESSUP &
5627 N. MINNESOTA
(R226159, R226160)

PERMIT
SET

Issued:
PERMIT SET 7.29.2021

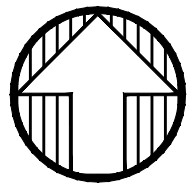
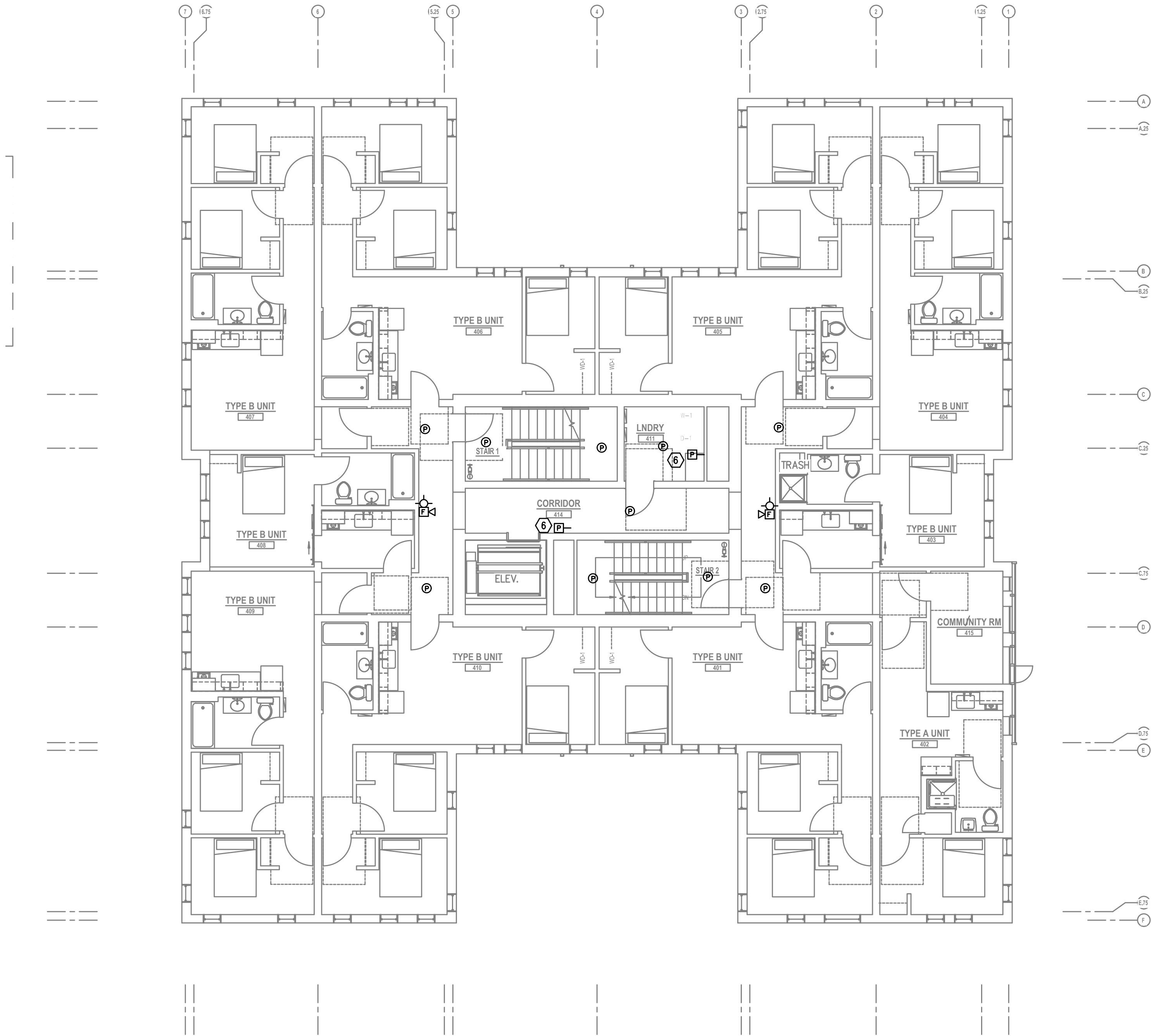
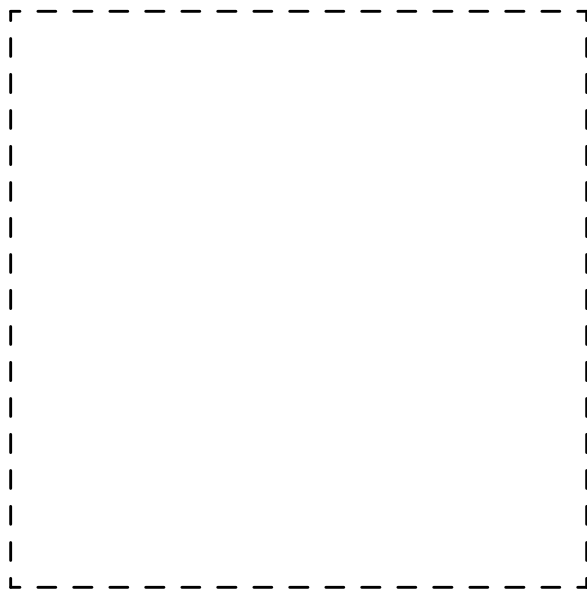
Job #: 2020
ORIGINAL SHEET SIZE: 24" x 36"
HALF SIZE: 12" x 18"

THIRD FLOOR
TECHNOLOGY
PLAN

Drawing Number

T3.03

FIRE ALARM AND DETECTION SYSTEM SHOWN ON PLANS 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.



1
T3.04

FOURTH FLOOR TECHNOLOGY PLAN

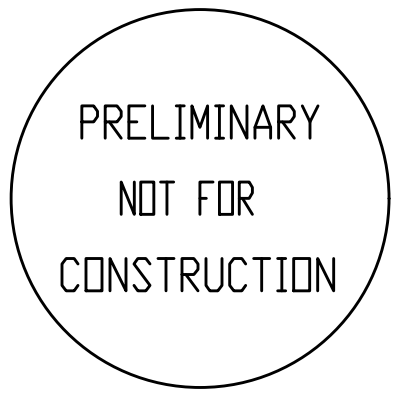
SCALE: 1/8" = 1'-0"

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 TO AND DURING CONSTRUCTION.
- B. THE TECHNOLOGY CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- C. COORDINATE WITH MECHANICAL PLANS FOR LOCATIONS OF SMOKE, FIRE/SMOKE DAMPERS, AND ROOF TOP UNITS REQUIRING CONNECTION TO FIRE ALARM SYSTEM.
- D. 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.
- E. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- F. REFER TO ENLARGED TYPICAL UNIT PLANS (IF PROVIDED) FOR TYPICAL LAYOUTS FOR ALL APARTMENT UNIT TYPES.

PLAN NOTES:

- 1. STROBES TO BE PLACED AT 24" AT ELECTRICAL UTILITY REQUEST.
- 2. VERY COUNT AND LOCATION FOR FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER PLANS.
- 3. 4x8 FIRE RATED BACKBOARDS FOR CATV AND PHONE UTILITY.
- 4. 42" 'RF' TRANSPARENT SMART PANEL FOR UTILITY DEMARCATION WITHIN UNIT.
- 5. SMOKE AND CO DETECTORS CAN BE A SINGLE COMBINED UNIT.
- 6. VERIFY EXACT LOCATION AND COUNT OF DUCT DETECTORS WITH MECHANICAL PLANS.



Project Name:

MINNESOTA
PLACES

1208 N. JESSUP &
5627 N. MINNESOTA
(R226159, R226160)

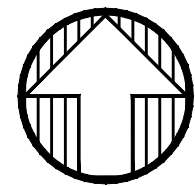
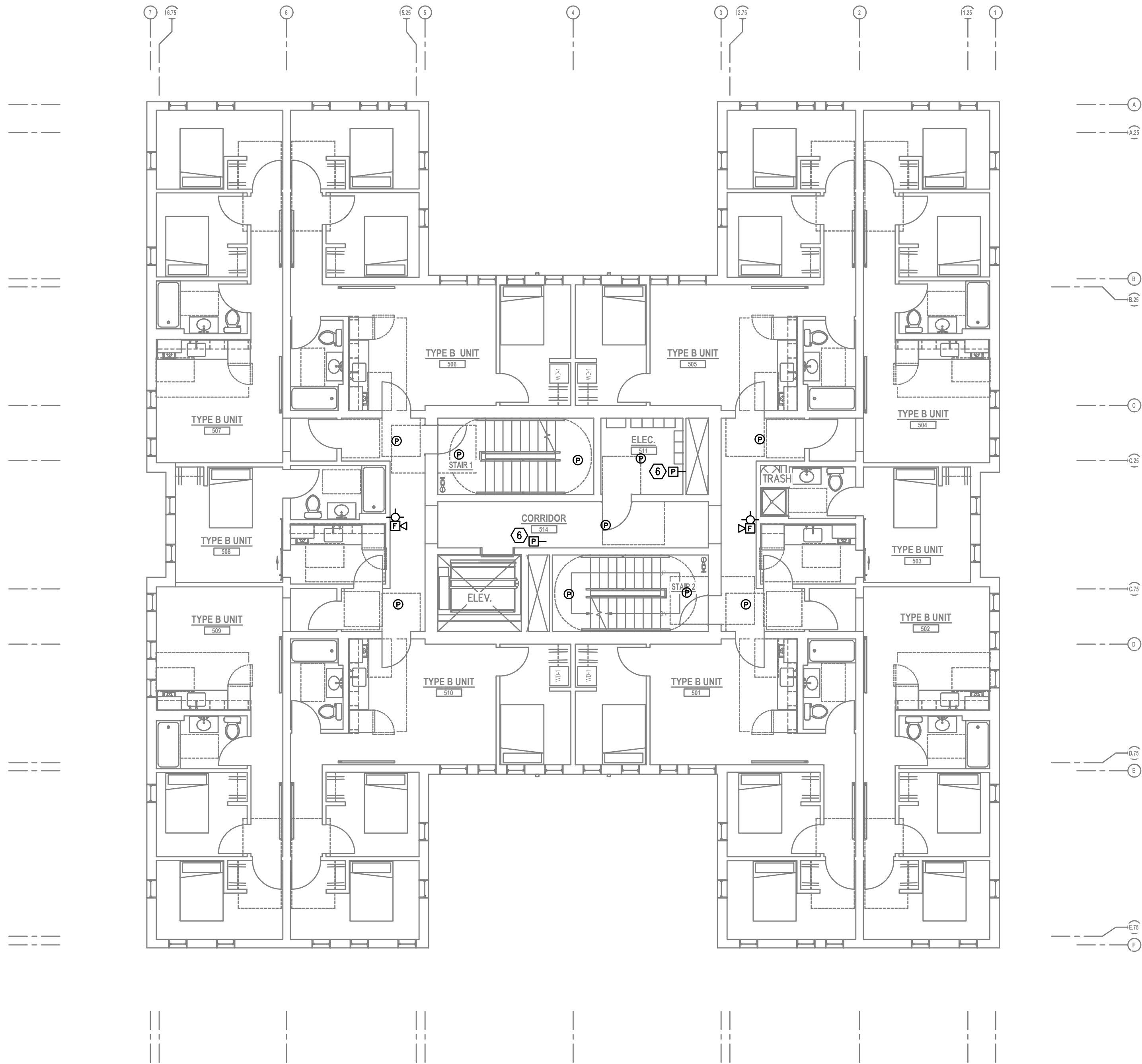
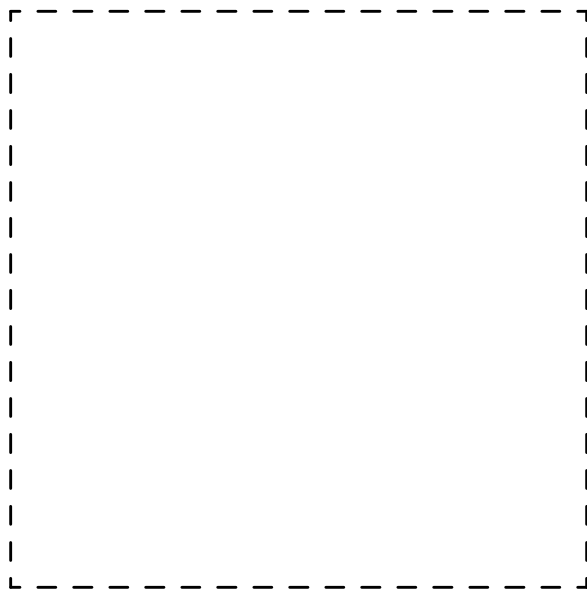
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SET

Issued:	
PERMIT SET	7.29.2021
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FOURTH FLOOR
TECHNOLOGY
PLAN

FIRE ALARM AND DETECTION SYSTEM SHOWN ON PLANS 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.

Drawing Number
T3.04



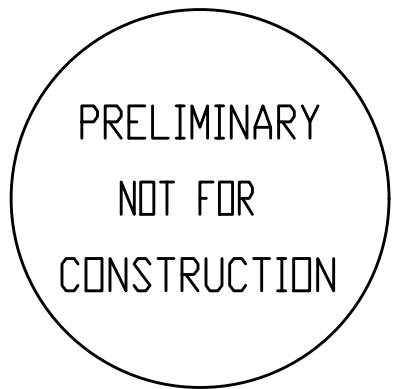
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T3.05 FIFTH FLOOR TECHNOLOGY PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

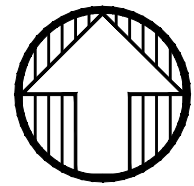
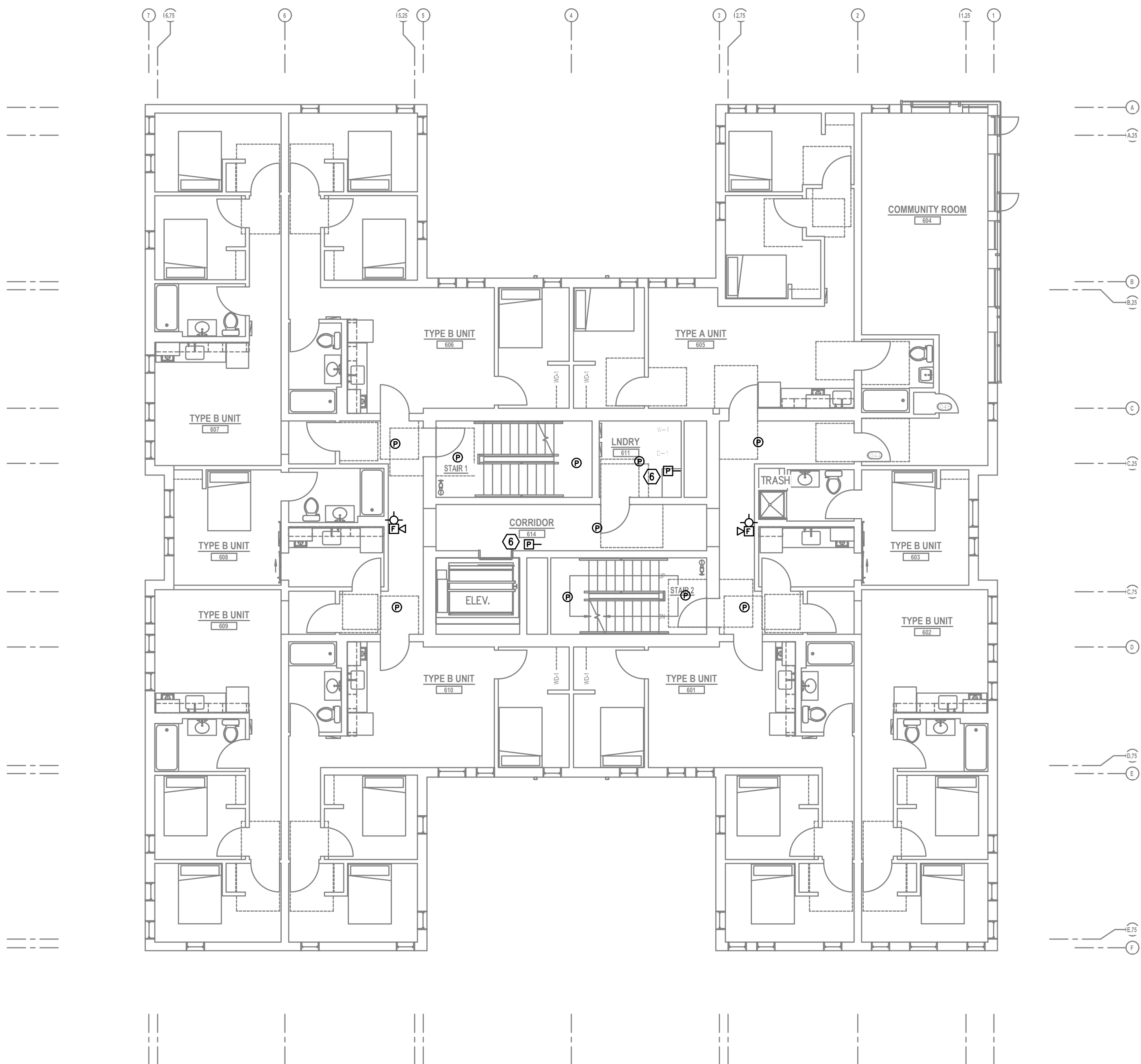
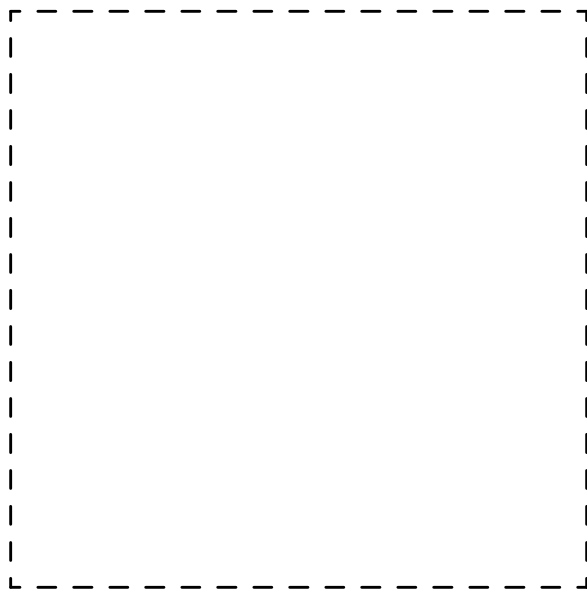
- A. TECHNOLOGY DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE TECHNOLOGY CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL TECHNOLOGY EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. THE TECHNOLOGY CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- C. COORDINATE WITH MECHANICAL PLANS FOR LOCATIONS OF SMOKE, FIRE/SMOKE DAMPERS, AND ROOF TOP UNITS REQUIRING CONNECTION TO FIRE ALARM SYSTEM.
- D. 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.
- E. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- F. REFER TO ENLARGED TYPICAL UNIT PLANS (IF PROVIDED) FOR TYPICAL LAYOUTS FOR ALL APARTMENT UNIT TYPES.

PLAN NOTES:

- 1. STROBES TO BE PLACED AT 24" AT ELECTRICAL UTILITY REQUEST.
- 2. VERY COUNT AND LOCATION FOR FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER PLANS.
- 3. 4x8 FIRE RATED BACKBOARDS FOR CATV AND PHONE UTILITY.
- 4. 42" 'RF' TRANSPARENT SMART PANEL FOR UTILITY DEMARCATION WITHIN UNIT.
- 5. SMOKE AND CO DETECTORS CAN BE A SINGLE COMBINED UNIT.
- 6. VERIFY EXACT LOCATION AND COUNT OF DUCT DETECTORS WITH MECHANICAL PLANS.



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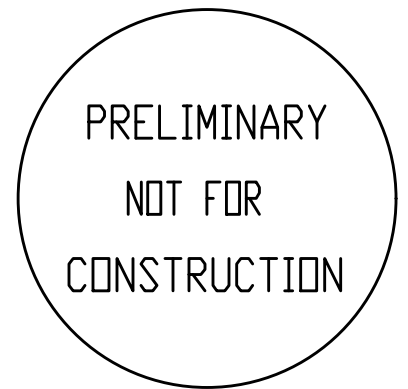
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T3.06 SIXTH FLOOR TECHNOLOGY PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

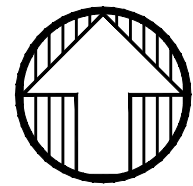
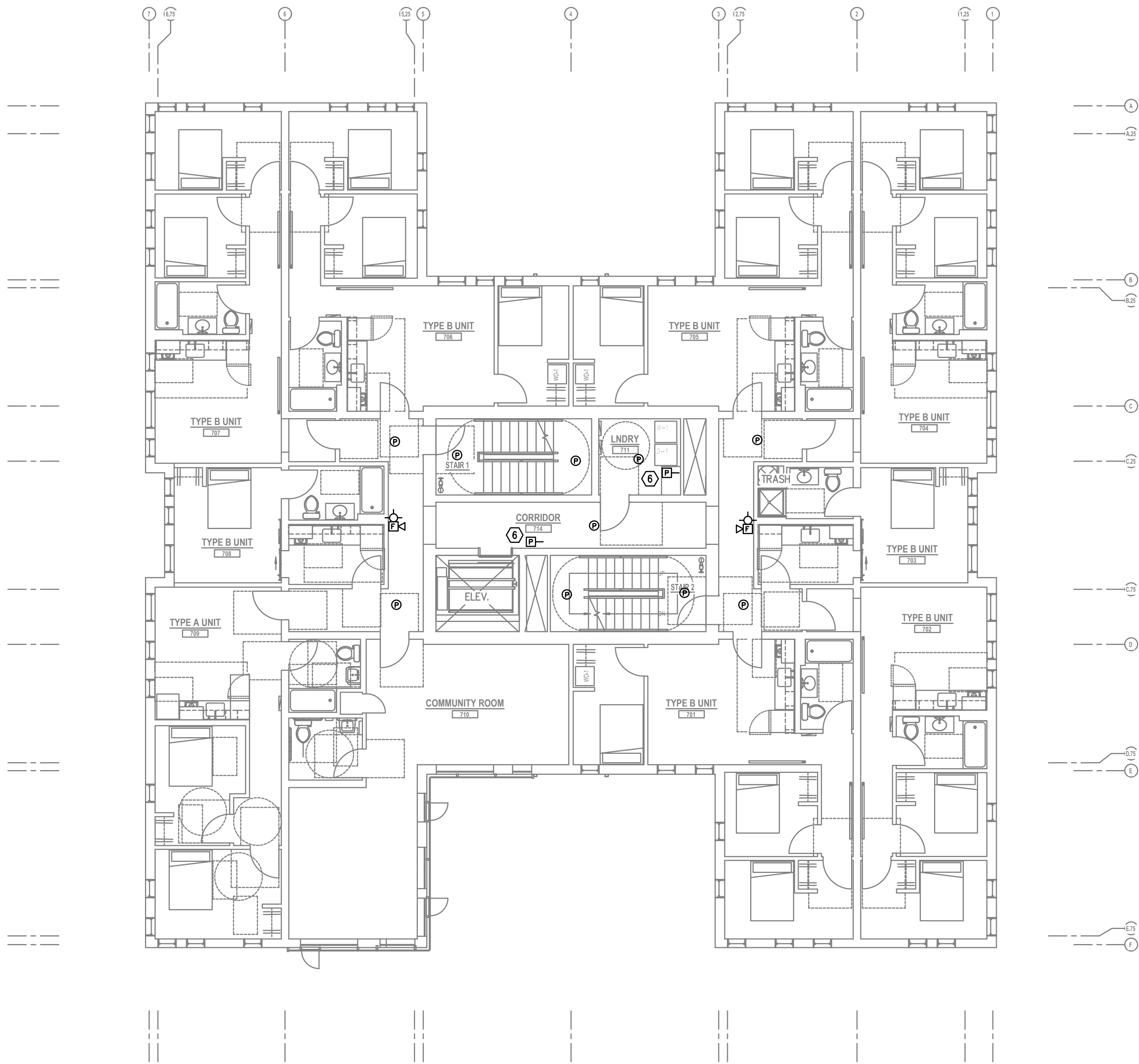
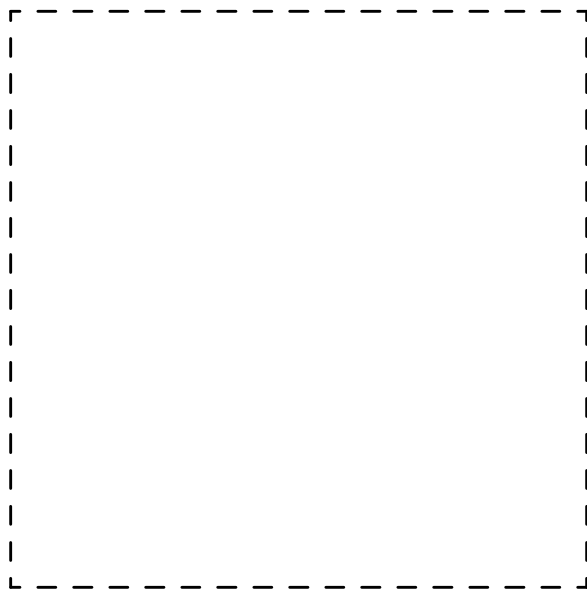
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- B. THE TECHNOLOGY CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- C. COORDINATE WITH MECHANICAL PLANS FOR LOCATIONS OF SMOKE, FIRE/SMOKE DAMPERS, AND ROOF TOP UNITS REQUIRING CONNECTION TO FIRE ALARM SYSTEM.
- D. 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.
- E. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES WILL NOT BE OBSTRUCTED.
- F. REFER TO ENLARGED TYPICAL UNIT PLANS (IF PROVIDED) FOR TYPICAL LAYOUTS FOR ALL APARTMENT UNIT TYPES.

PLAN NOTES:

- 1. STROBES TO BE PLACED AT 24" AT ELECTRICAL UTILITY REQUEST.
- 2. VERY COUNT AND LOCATION FOR FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER PLANS.
- 3. 4x8 FIRE RATED BACKBOARDS FOR CATV AND PHONE UTILITY.
- 4. 42" 'RF' TRANSPARENT SMART PANEL FOR UTILITY DEMARCATION WITHIN UNIT.
- 5. SMOKE AND CO DETECTORS CAN BE A SINGLE COMBINED UNIT.
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1
T3.07

SEVENTH FLOOR TECHNOLOGY PLAN

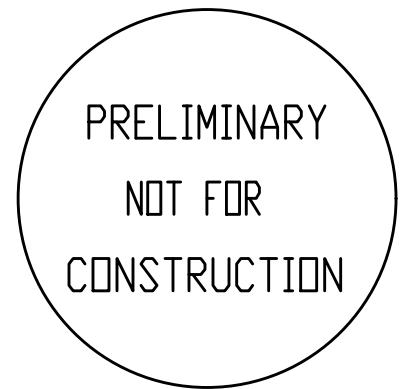
SCALE: 1/8" = 1'-0"

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PLAN NOTES:

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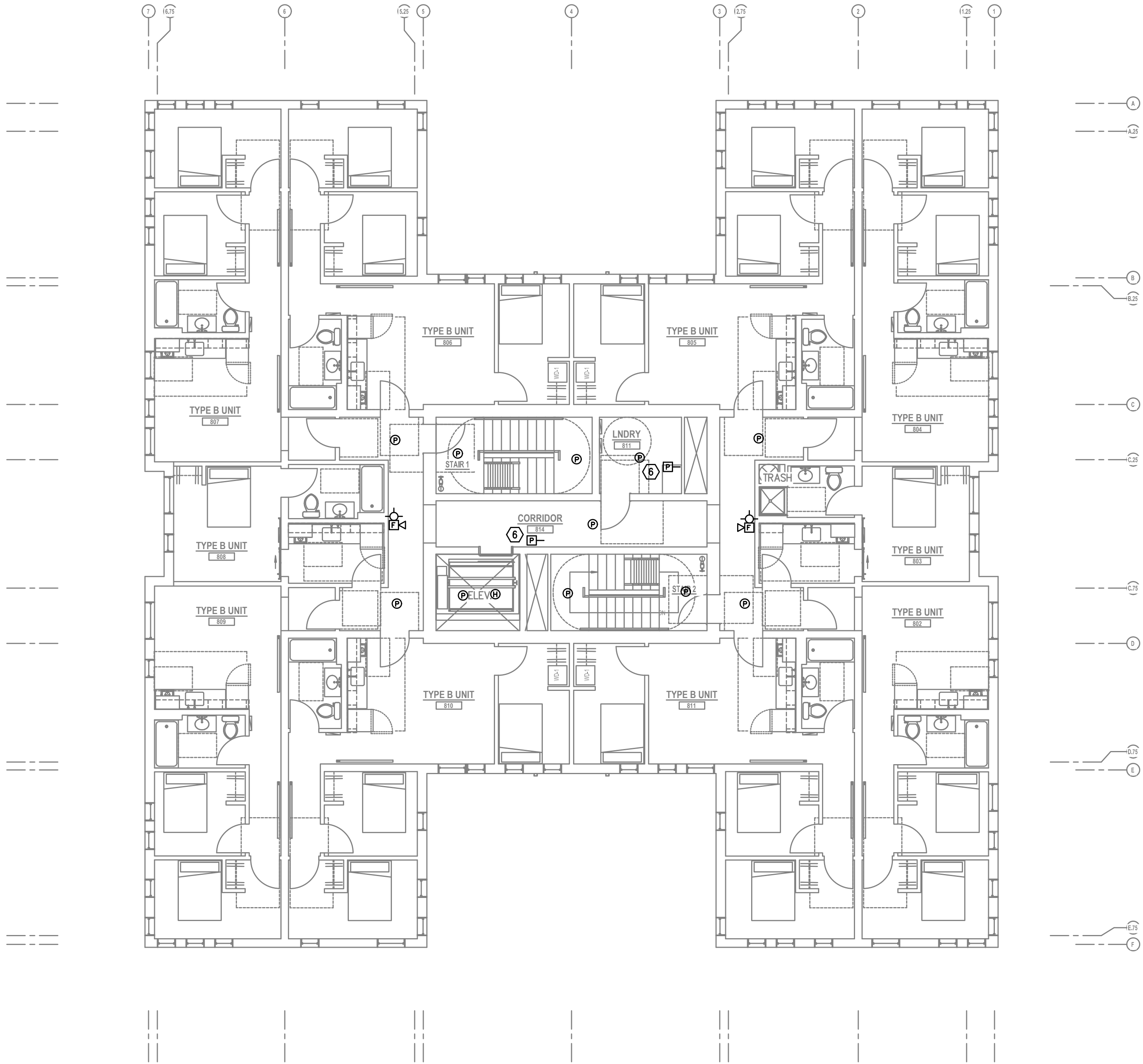
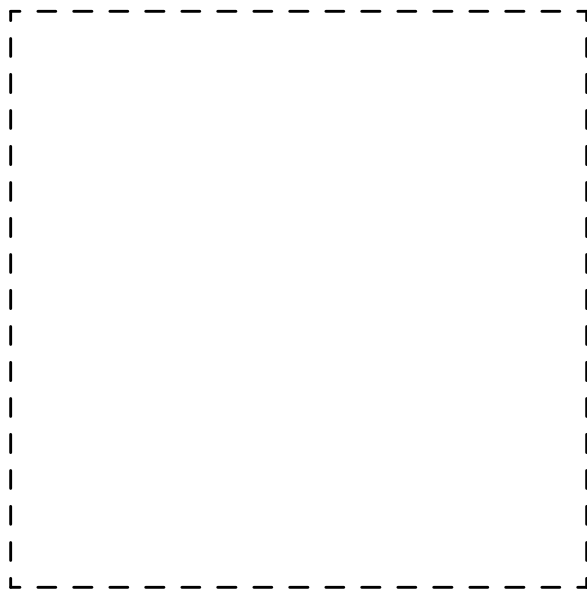
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SEVENTH FLOOR
TECHNOLOGY
PLAN

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Drawing Number
T3.07



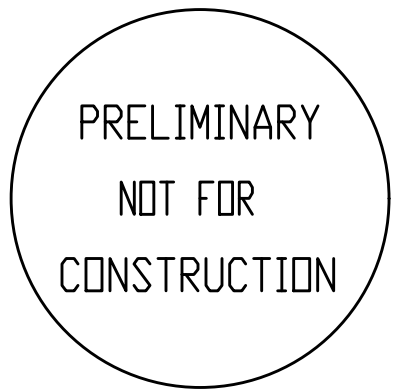
 1 EIGHTH FLOOR TECHNOLOGY PLAN
T3.08 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

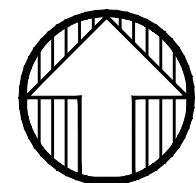
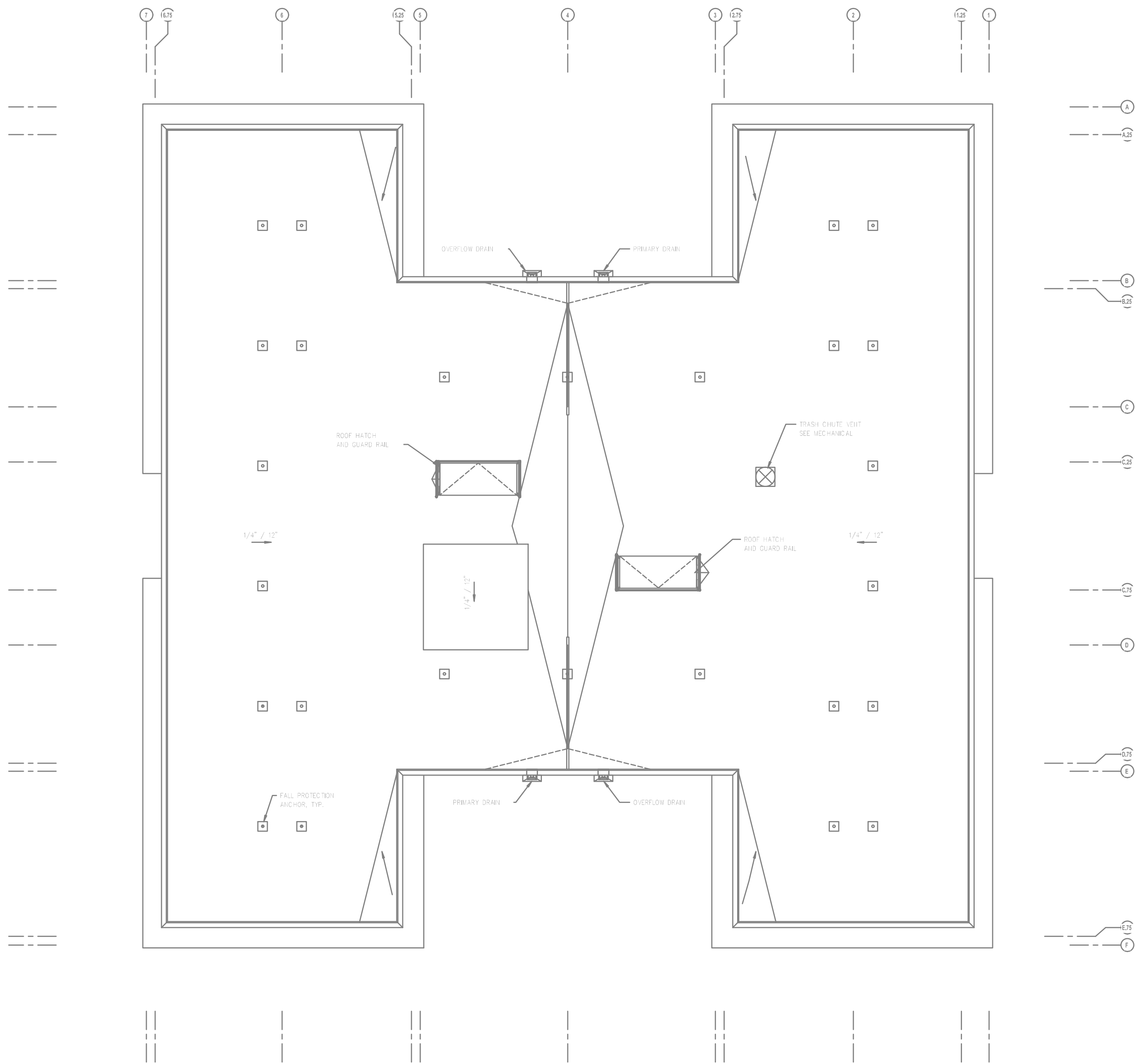
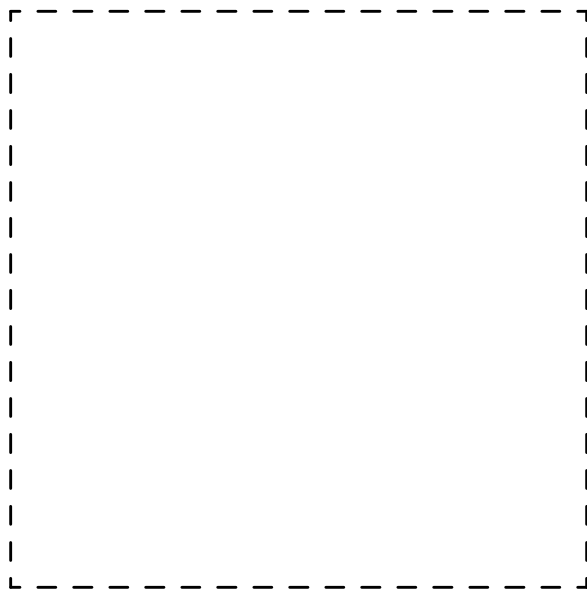
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- F. REFER TO ENLARGED TYPICAL UNIT PLANS (IF PROVIDED) FOR TYPICAL LAYOUTS FOR ALL APARTMENT UNIT TYPES.

PLAN NOTES:

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1
T3.09

ROOF LEVEL TECHNOLOGY PLAN

SCALE: 1/8" = 1'-0"

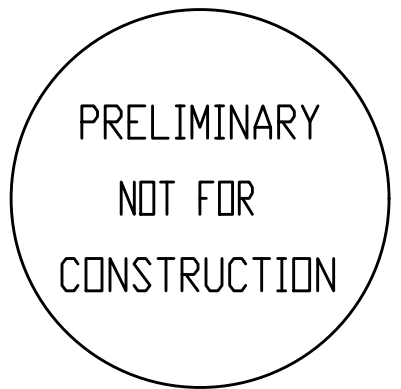
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PLAN NOTES:

- 1. STROBES TO BE PLACED AT 24" AT ELECTRICAL UTILITY REQUEST.
- 2. VERY COUNT AND LOCATION FOR FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER PLANS.
- 3. 4x8 FIRE RATED BACKBOARDS FOR CATV AND PHONE UTILITY.
- 4. 42" 'RF' TRANSPARENT SMART PANEL FOR UTILITY DEMARCATION WITHIN UNIT.
- 5. SMOKE AND CO DETECTORS CAN BE A SINGLE COMBINED UNIT.
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Project Name:

MINNESOTA
PLACES

1208 N. JESSUP &
5627 N. MINNESOTA
(R226159, R226160)

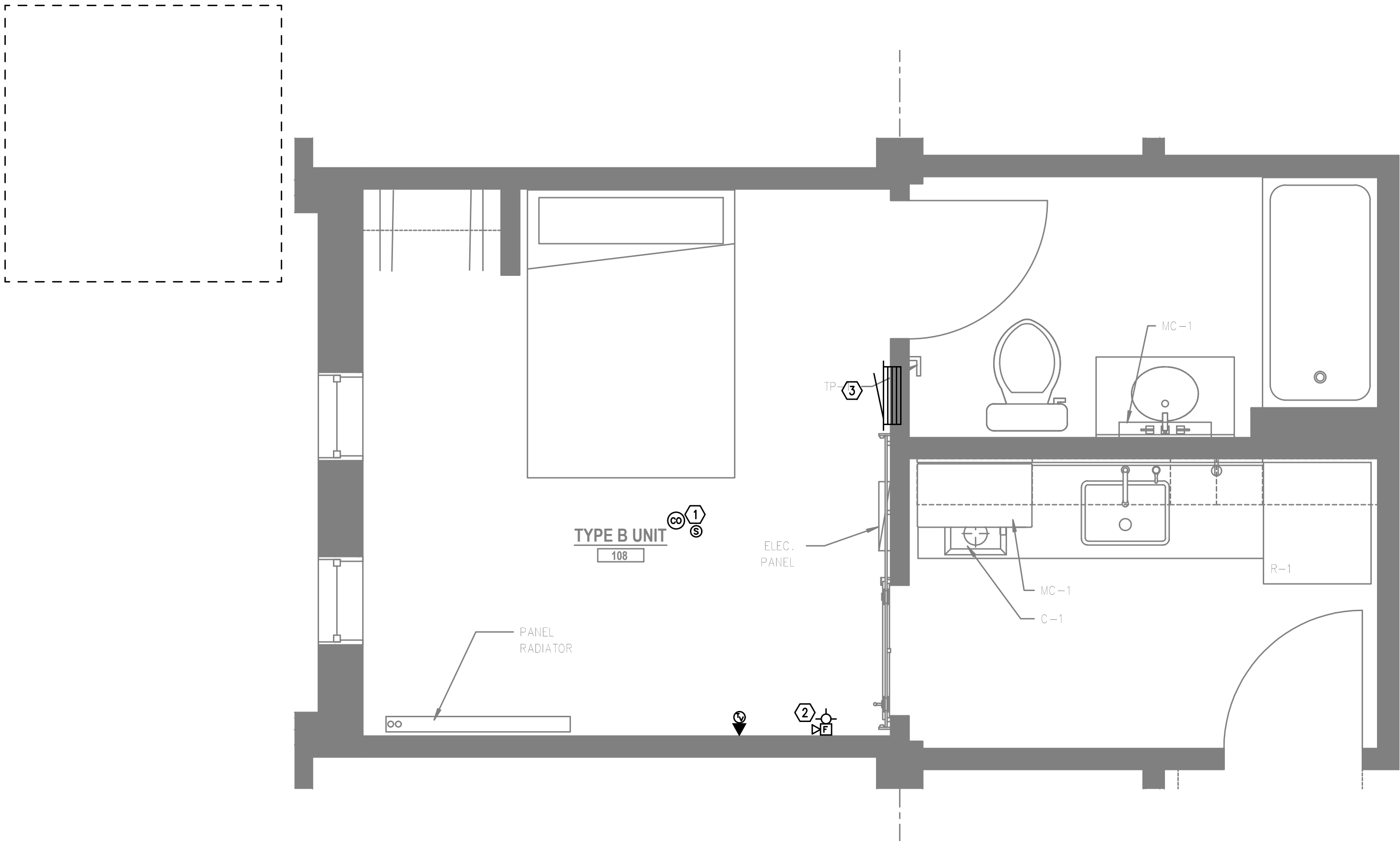
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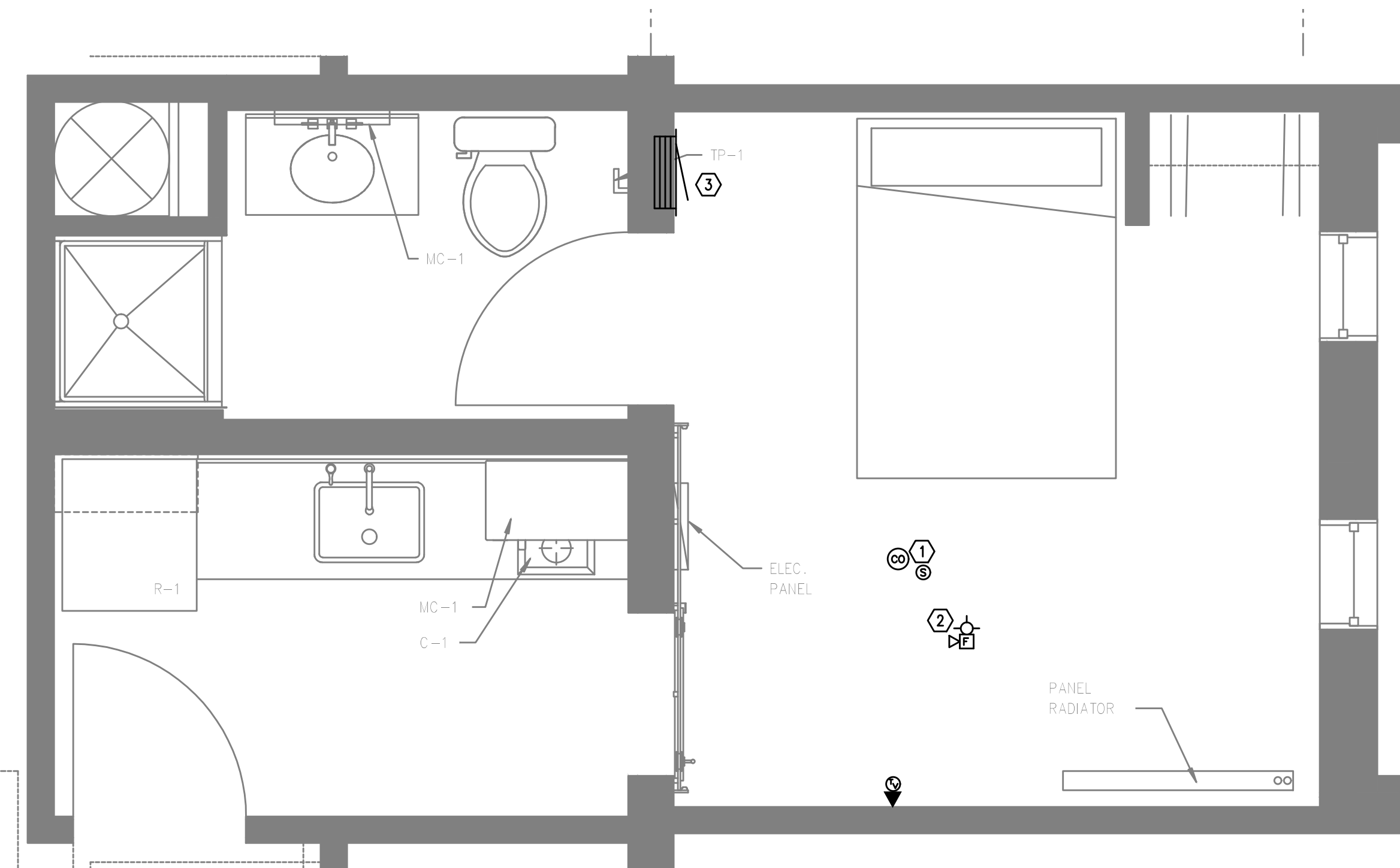
ROOF LEVEL
TECHNOLOGY
PLAN

Drawing Number

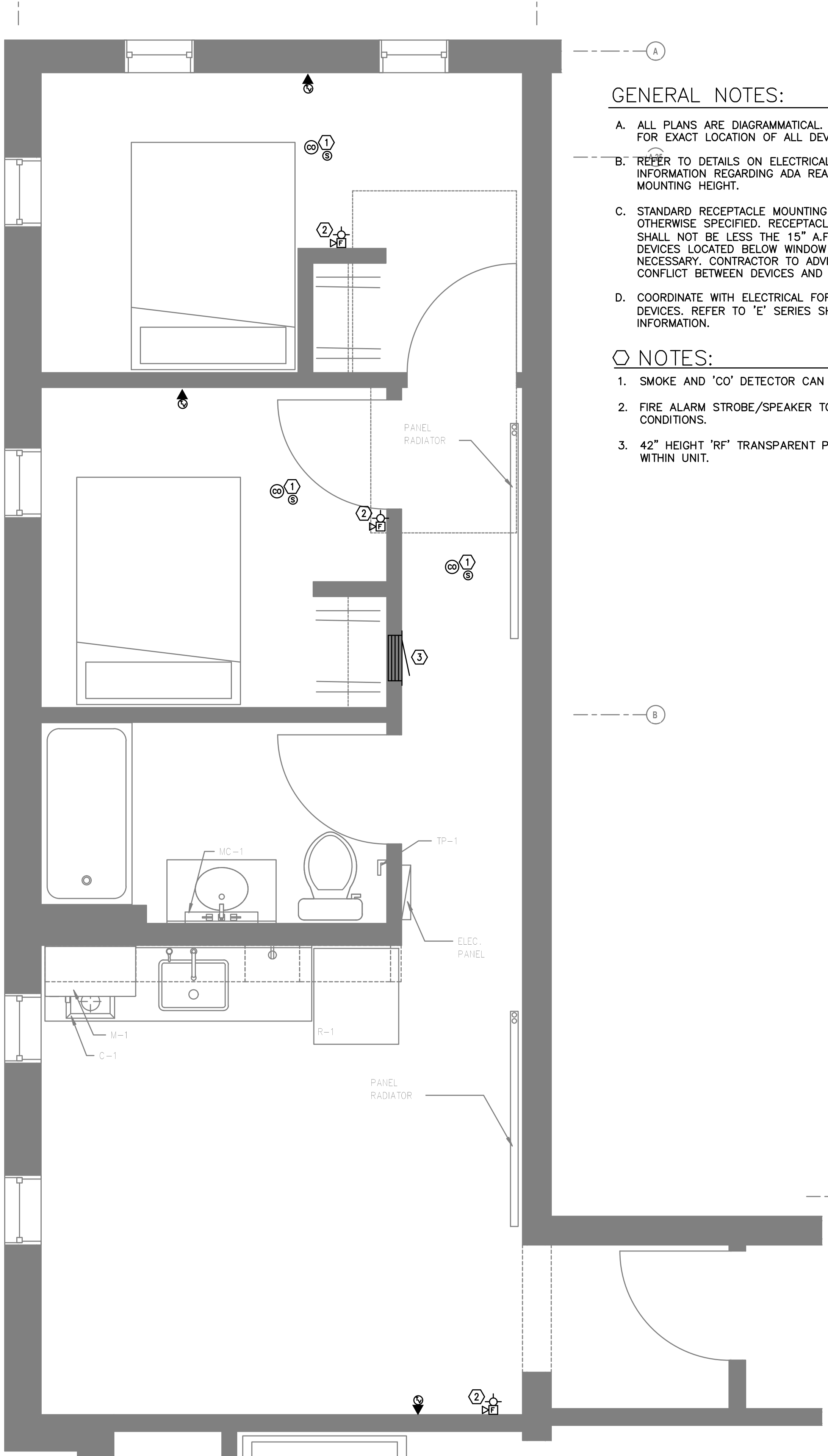
T3.09



1-BRM UNIT TYPE B
T4.11 TYPICAL — TECHNOLOGY PLAN
SCALE: 1/2" = 1'-0"



1-BRM UNIT TYPE B
T4.11 LEVEL 1 — TECHNOLOGY PLAN
SCALE: 1/2" = 1'-0"



2-BRM UNIT TYPE B
T4.11 TYPICAL — TECHNOLOGY PLAN
SCALE: 1/2" = 1'-0"

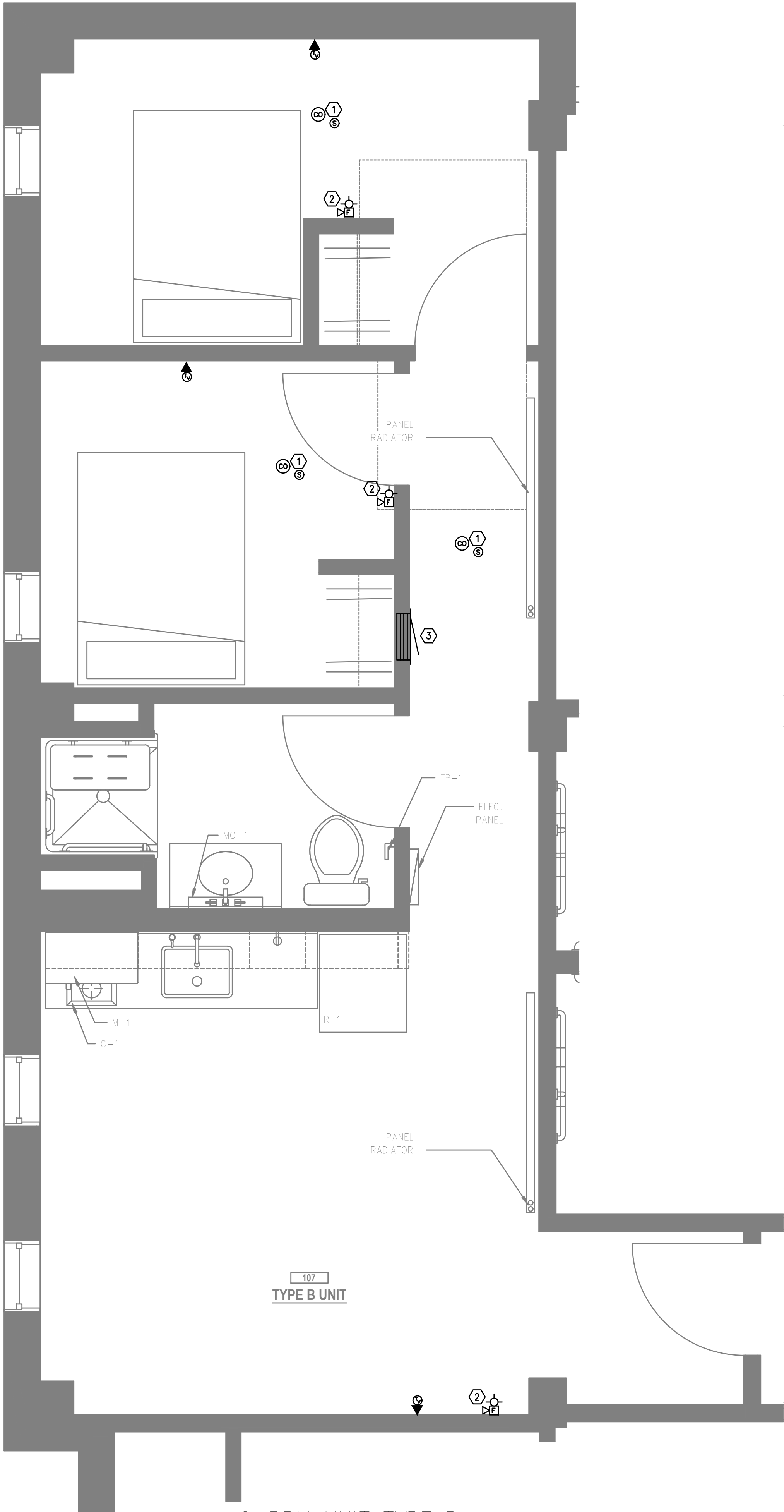
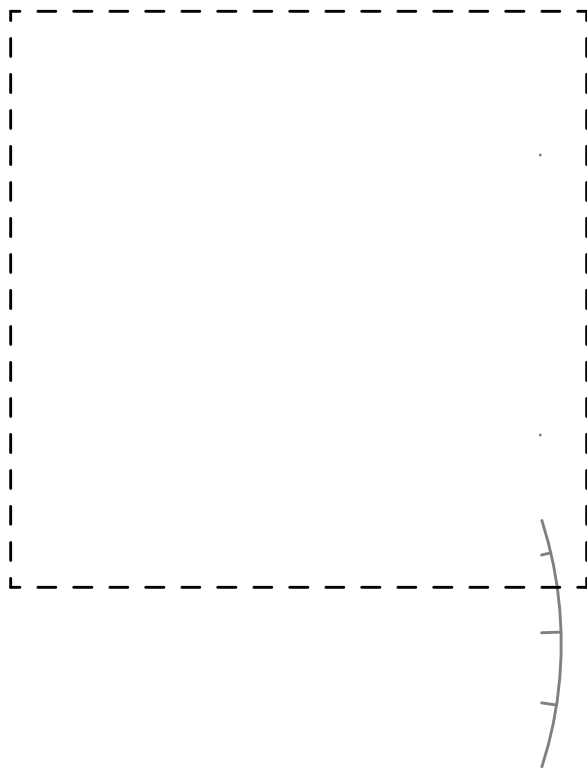
GENERAL NOTES:

- A. ALL PLANS ARE DIAGRAMMATICAL. CONSULT ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
- B. REFER TO DETAILS ON ELECTRICAL SHEET FOR ADDITIONAL INFORMATION REGARDING ADA REACH REQUIREMENTS FOR OUTLET MOUNTING HEIGHT.
- C. STANDARD RECEPTACLE MOUNTING HEIGHT IS 18" A.F.F. UNLESS OTHERWISE SPECIFIED. RECEPTACLES LOCATED BELOW WINDOW SILLS SHALL NOT BE LESS THE 15" A.F.F. AS REQUIRED BY CODE. DEVICES LOCATED BELOW WINDOW SILLS MAY BE ROTATED 90° IF NECESSARY. CONTRACTOR TO ADVISE ARCHITECT IMMEDIATELY IF CONFLICT BETWEEN DEVICES AND WINDOW SILLS IS APPARENT.
- D. COORDINATE WITH ELECTRICAL FOR ROUGH IN OF LOW VOLTAGE DEVICES. REFER TO 'E' SERIES SHEETS FOR ADDITIONAL INFORMATION.

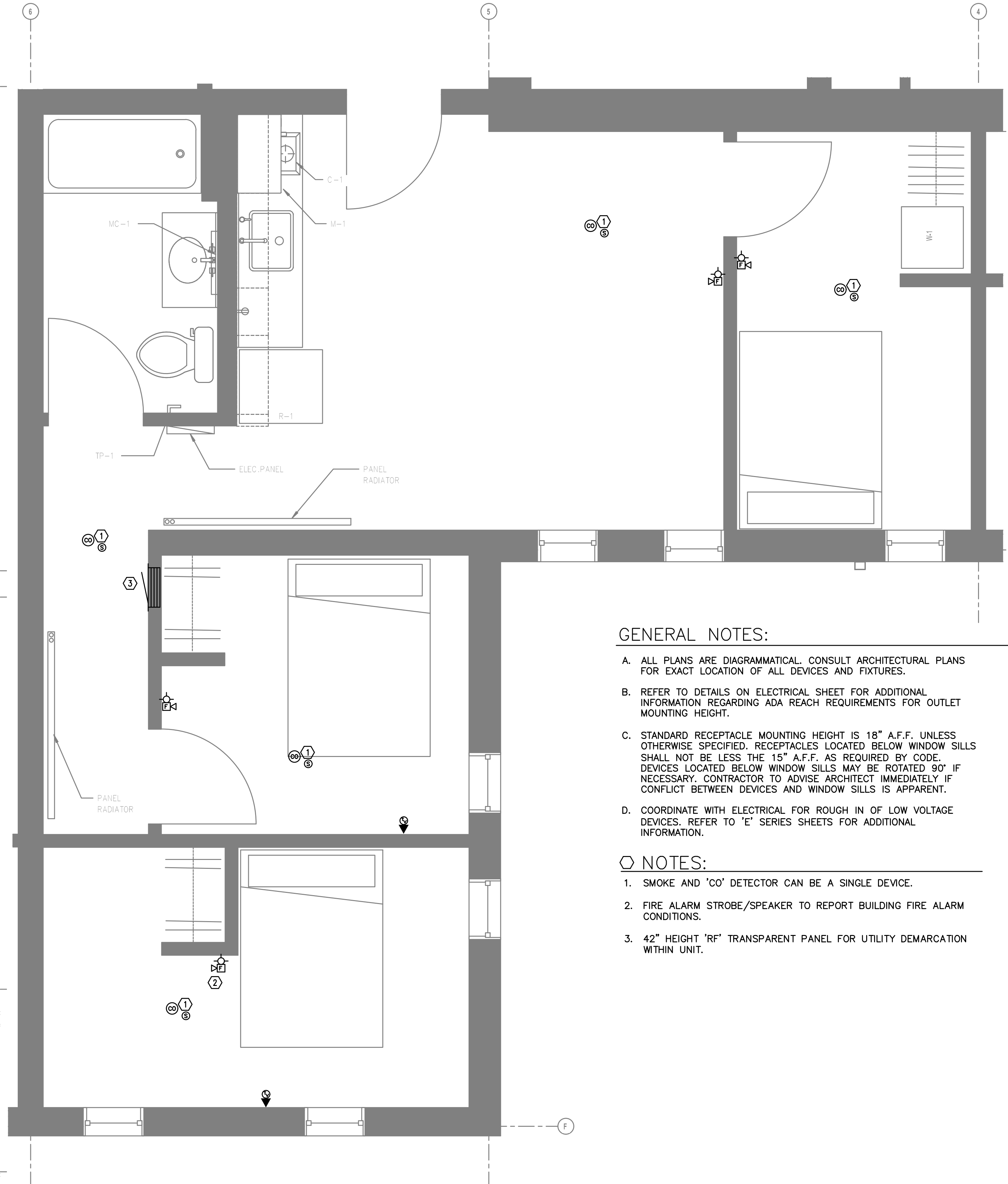
NOTES:

- 1. SMOKE AND 'CO' DETECTOR CAN BE A SINGLE DEVICE.
- 2. FIRE ALARM STROBE/SPEAKER TO REPORT BUILDING FIRE ALARM CONDITIONS.
- 3. 42" HEIGHT 'RF' TRANSPARENT PANEL FOR UTILITY DEMARCATION WITHIN UNIT.

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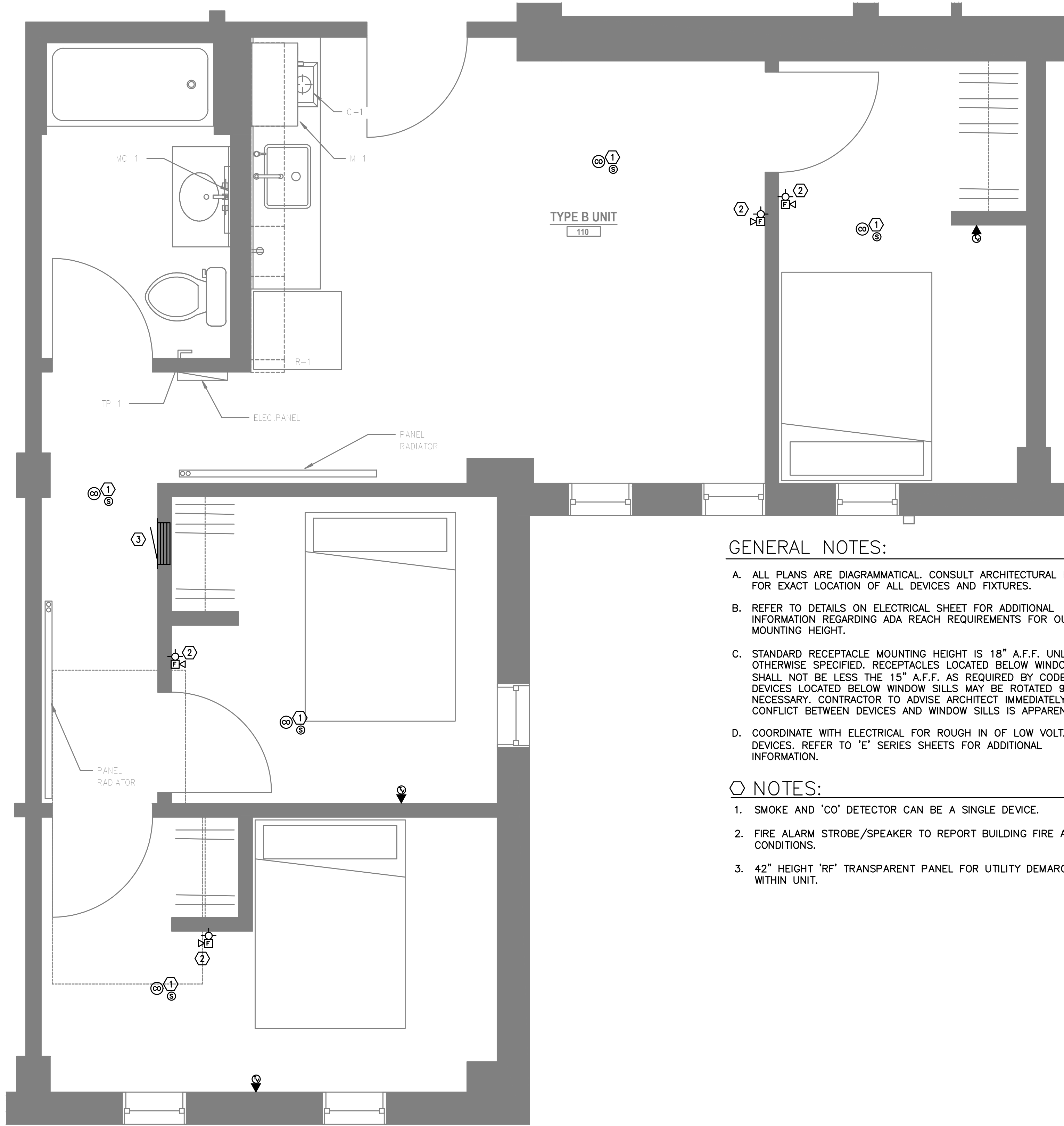
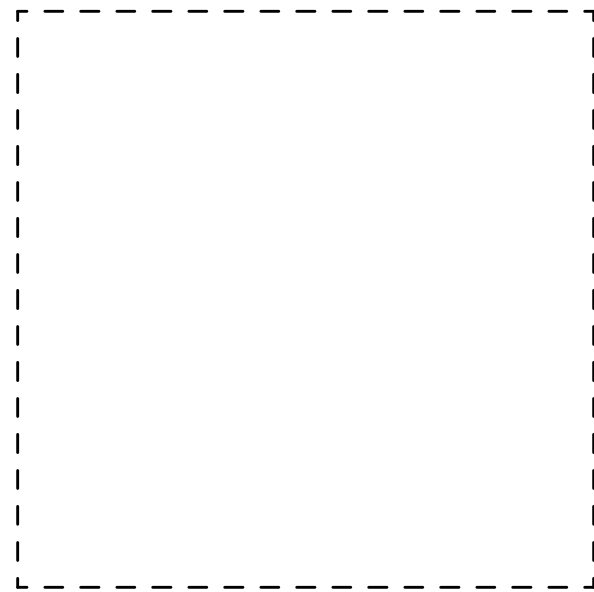
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T4.12
2-BRM UNIT TYPE B
LEVEL 1 — TECHNOLOGY PLAN
SCALE: 1/2" = 1'-0"



2
T4.12
3-BRM UNIT TYPE B
TYPICAL — TECHNOLOGY PLAN
SCALE: 1/2" = 1'-0"

- GENERAL NOTES:
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 - B. REFER TO DETAILS ON ELECTRICAL SHEET FOR ADDITIONAL INFORMATION REGARDING ADA REACH REQUIREMENTS FOR OUTLET MOUNTING HEIGHT.
 - C. STANDARD RECEPTACLE MOUNTING HEIGHT IS 18" A.F.F. UNLESS OTHERWISE SPECIFIED. RECEPTACLES LOCATED BELOW WINDOW SILLS SHALL NOT BE LESS THE 15" A.F.F. AS REQUIRED BY CODE. DEVICES LOCATED BELOW WINDOW SILLS MAY BE ROTATED 90° IF NECESSARY. CONTRACTOR TO ADVISE ARCHITECT IMMEDIATELY IF CONFLICT BETWEEN DEVICES AND WINDOW SILLS IS APPARENT.
 - D. COORDINATE WITH ELECTRICAL FOR ROUGH IN OF LOW VOLTAGE DEVICES. REFER TO 'E' SERIES SHEETS FOR ADDITIONAL INFORMATION.
- NOTES:
- 1. SMOKE AND 'CO' DETECTOR CAN BE A SINGLE DEVICE.
 - 2. FIRE ALARM STROBE/SPEAKER TO REPORT BUILDING FIRE ALARM CONDITIONS.
 - 3. 42" HEIGHT 'RF' TRANSPARENT PANEL FOR UTILITY DEMARCATION WITHIN UNIT.

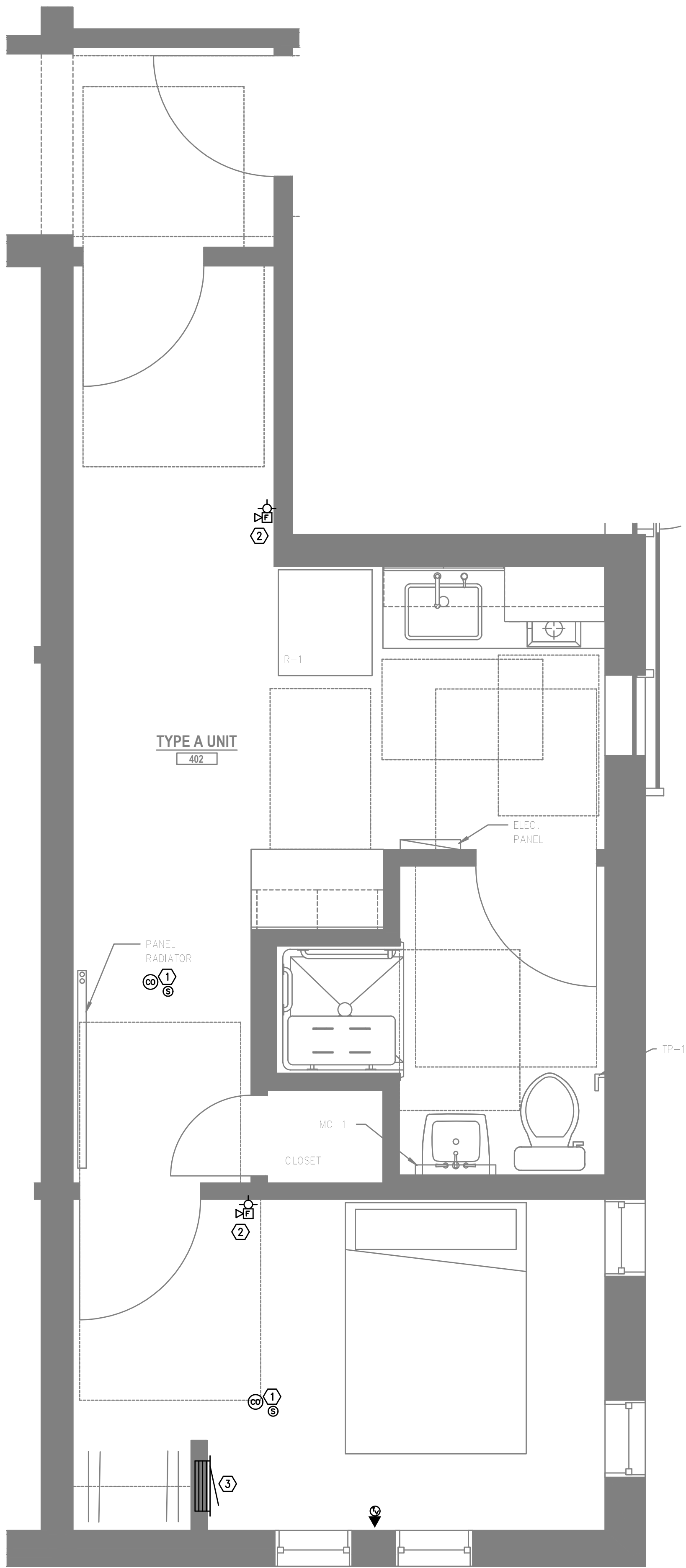
FIRE ALARM AND DETECTION SYSTEM SHOWN ON PLANS(S) ARE FOR DESIGN INTENT ONLY. THIS IS A DEFERRED SUBMITTAL SYSTEM REQUIRING THE CONTRACTOR TO COMPLETE THE PERMIT READY DESIGN AND CALCULATIONS AS REQUIRED PER THE AUTHORITY HAVING JURISDICTION. VERIFY BUILDING OCCUPANCY TYPE AND OCCUPANT LOAD WITH ARCHITECTURAL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



- GENERAL NOTES:
- A. ALL PLANS ARE DIAGRAMMATICAL. CONSULT ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
 - B. REFER TO DETAILS ON ELECTRICAL SHEET FOR ADDITIONAL INFORMATION REGARDING ADA REACH REQUIREMENTS FOR OUTLET MOUNTING HEIGHT.
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- NOTES:
- 1. SMOKE AND 'CO' DETECTOR CAN BE A SINGLE DEVICE.
 - 2. FIRE ALARM STROBE/SPEAKER TO REPORT BUILDING FIRE ALARM CONDITIONS.
 - 3. 42" HEIGHT 'RF' TRANSPARENT PANEL FOR UTILITY DEMARCATION WITHIN UNIT.

3-BRM UNIT TYPE B
LEVEL 1 — TECHNOLOGY PLAN
1
T4.13 SCALE: 1/2" = 1'-0"



1-BRM UNIT TYPE A
LEVEL 4 — TECHNOLOGY PLAN
2
T4.13 SCALE: 1/2" = 1'-0"

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PRELIMINARY
NOT FOR
CONSTRUCTION

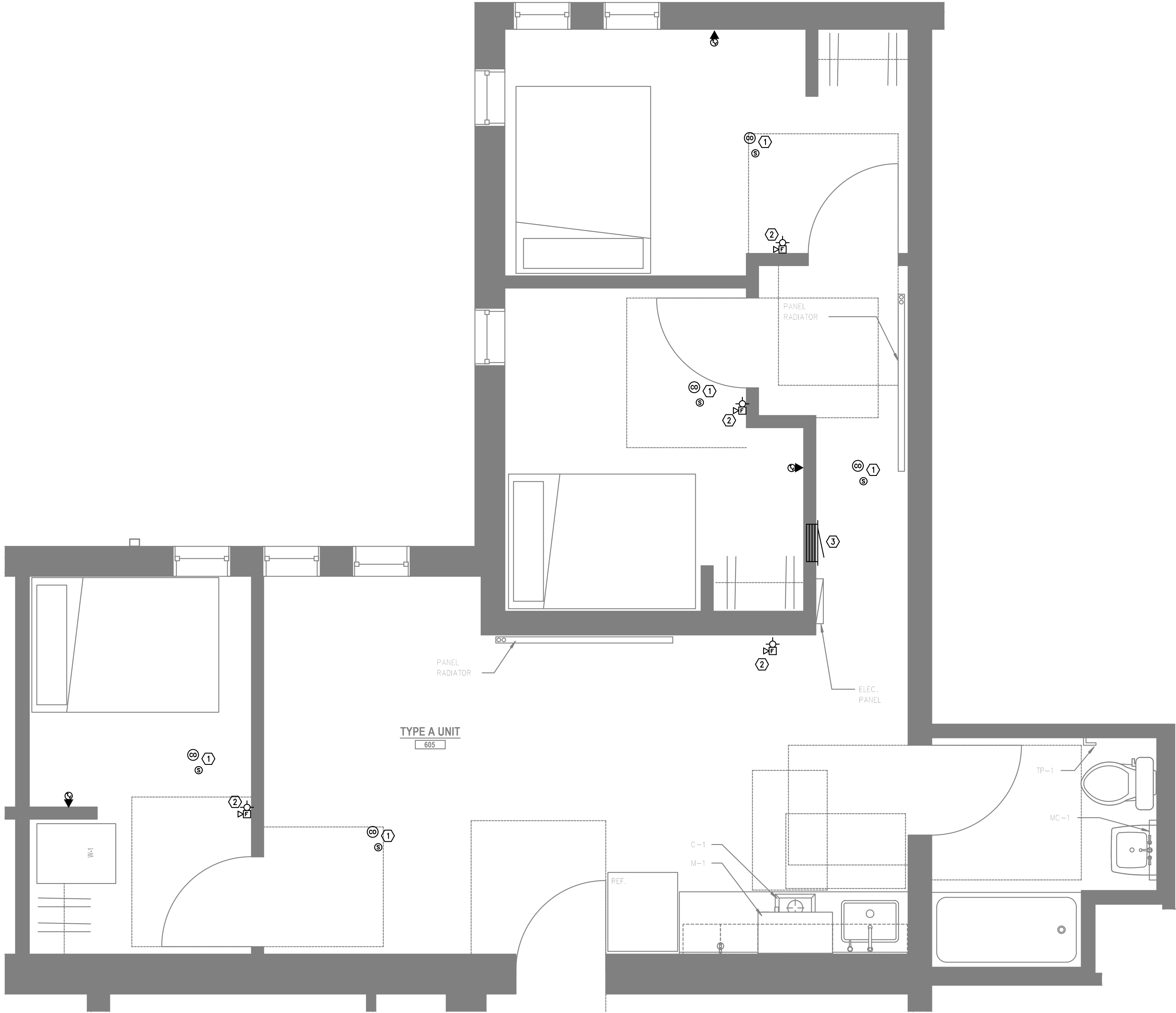
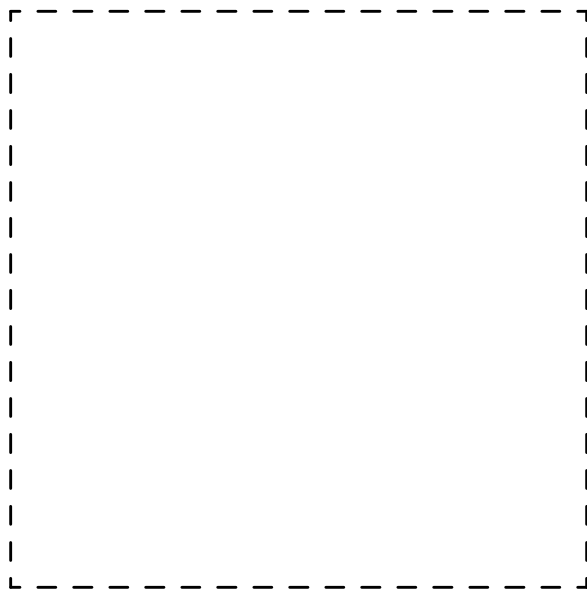
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Consulting Engineers
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PH: (503) 234-0648
FAX: (503) 234-0877
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CONTACT: GARY ADOVNIK
Project Owner:
NATIVE LAND DEVELOPMENT

Project Name:
MINNESOTA
PLACES
1208 N. JESSUP &
5627 N. MINNESOTA
(R226159, R226160)

PERMIT
SET
Issued:
PERMIT SET 7.29.2021
Job #:
2020
ORIGINAL SHEET SIZE: 24" x 36"
HALF SIZE: 12" x 18"

TYPICAL UNIT
TECHNOLOGY
PLANS

Drawing Number
T4.13



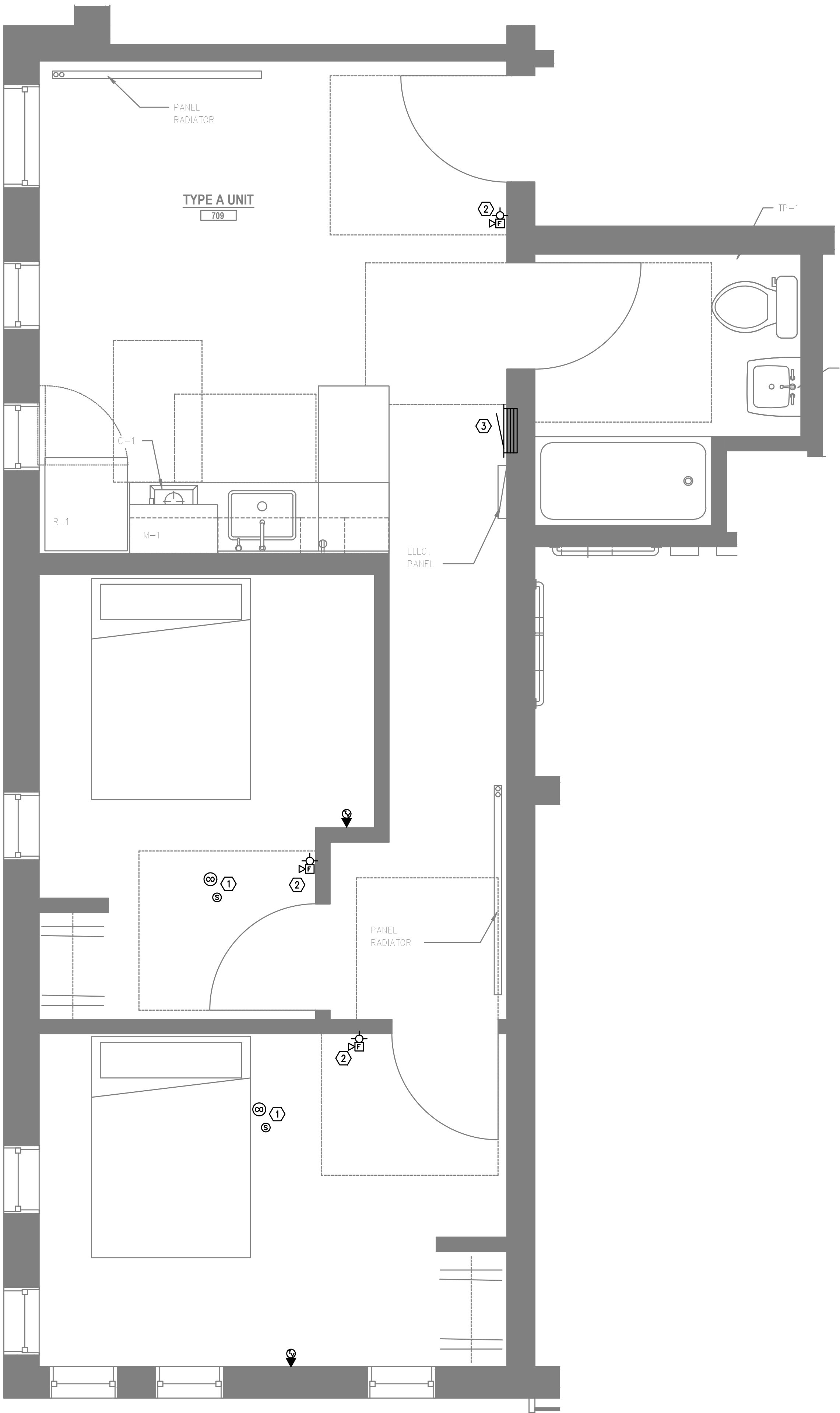
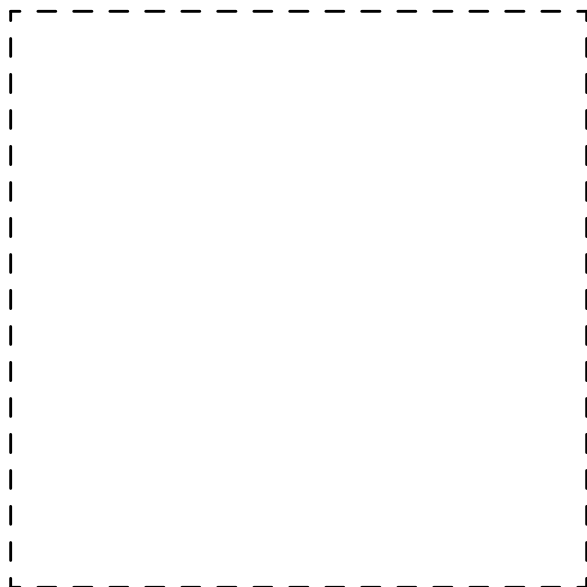
1
14.14

3-BRM UNIT TYPE A
LEVEL 6 — TECHNOLOGY PLAN
SCALE: 1/2" = 1'-0"

- GENERAL NOTES:
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 - B. REFER TO DETAILS ON ELECTRICAL SHEET FOR ADDITIONAL INFORMATION REGARDING ADA REACH REQUIREMENTS FOR OUTLET MOUNTING HEIGHT.
 - C. STANDARD RECEPTACLE MOUNTING HEIGHT IS 18" A.F.F. UNLESS OTHERWISE SPECIFIED. RECEPTACLES LOCATED BELOW WINDOW SILLS SHALL NOT BE LESS THE 15" A.F.F. AS REQUIRED BY CODE. DEVICES LOCATED BELOW WINDOW SILLS MAY BE ROTATED 90° IF NECESSARY. CONTRACTOR TO ADVISE ARCHITECT IMMEDIATELY IF CONFLICT BETWEEN DEVICES AND WINDOW SILLS IS APPARENT.
 - D. COORDINATE WITH ELECTRICAL FOR ROUGH IN OF LOW VOLTAGE DEVICES. REFER TO 'E' SERIES SHEETS FOR ADDITIONAL INFORMATION.

- NOTES:
- 1. SMOKE AND 'CO' DETECTOR CAN BE A SINGLE DEVICE.
 - 2. FIRE ALARM STROBE/SPEAKER TO REPORT BUILDING FIRE ALARM CONDITIONS.
 - 3. 42" HEIGHT 'RF' TRANSPARENT PANEL FOR UTILITY DEMARCATION WITHIN UNIT.

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.



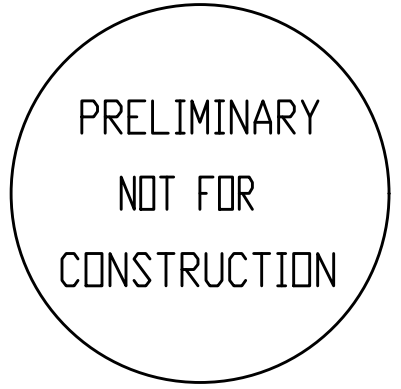
2-BRM UNIT TYPE A
1
LEVEL 7 — TECHNOLOGY PLAN
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

- A. ALL PLANS ARE DIAGRAMMATICAL. CONSULT ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL DEVICES AND FIXTURES.
- B. REFER TO DETAILS ON ELECTRICAL SHEET FOR ADDITIONAL INFORMATION REGARDING ADA REACH REQUIREMENTS FOR OUTLET MOUNTING HEIGHT.
- C. STANDARD RECEPTACLE MOUNTING HEIGHT IS 18" A.F.F. UNLESS OTHERWISE SPECIFIED. RECEPTACLES LOCATED BELOW WINDOW SILLS SHALL NOT BE LESS THE 15" A.F.F. AS REQUIRED BY CODE. DEVICES LOCATED BELOW WINDOW SILLS MAY BE ROTATED 90° IF NECESSARY. CONTRACTOR TO ADVISE ARCHITECT IMMEDIATELY IF CONFLICT BETWEEN DEVICES AND WINDOW SILLS IS APPARENT.
- D. COORDINATE WITH ELECTRICAL FOR ROUGH IN OF LOW VOLTAGE DEVICES. REFER TO 'E' SERIES SHEETS FOR ADDITIONAL INFORMATION.

NOTES:

- 1. SMOKE AND 'CO' DETECTOR CAN BE A SINGLE DEVICE.
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- 3. 42" HEIGHT 'RF' TRANSPARENT PANEL FOR UTILITY DEMARCATION WITHIN UNIT.



Project Name:

MINNESOTA
PLACES

1208 N. JESSUP &
5627 N. MINNESOTA
(R226159, R226160)

PERMIT
SET

Issued:	
PERMIT SET	7.29.2021
Job #:	2020
ORIGINAL SHEET SIZE: 24" x 36"	
HALF SIZE: 12" x 18"	

TYPICAL UNIT
TECHNOLOGY
PLANS

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Drawing Number
T4.15