
























# 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)                 |

## 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                        |

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









## GENERAL NOTES:

- 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.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE & NATIONAL CODES.
- CONTRACTOR SHALL REVIEW THE DIVISION 27&28 SPECIFICATIONS AND THE ENTIRE DRAWING PACKAGE FOR THIS PROJECT PRIOR TO THE START OF ANY WORK.
- 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.
- THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT OF ANY DISCREPANCIES DISCOVERED WITHIN THE DOCUMENTS.
- ALL PRODUCT SUBMITTALS AND SUBSTITUTIONS SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLACING ANY ORDERS.
- THE INSTALLING CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES.
- REFER TO ENLARGED UNIT PLANS (T4 SERIES SHEETS) FOR TYPICAL SMART PANEL, TELCOM DEVICES, AND FIRE ALARM LAYOUT.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH PGE ELECTRICAL SERVICE REQUIREMENTS.

## DESIGN INTENT:

- 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.
- 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.
- 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

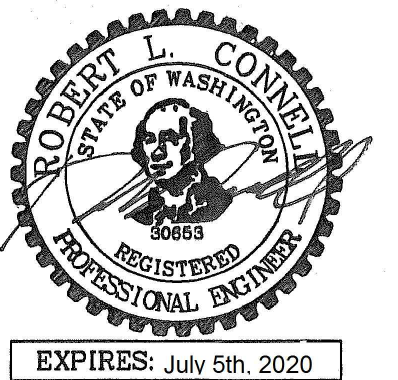
|   | SYSTEM         | DEVICE          | BACK BOX            | CONDUIT COUNT AND SIZE   | NOTES                                  |
|---|----------------|-----------------|---------------------|--------------------------|--|
|  | ACCESS CONTROL | APARTMENT ENTRY | PER SYSTEM DESIGNER | (2) 1" CONDUITS          | 48" MAX A.F.F TO HIGHEST OPERABLE PART |
|  | ACCESS CONTROL | CARD READER     | SINGLE GANG         | SEE DETAIL 1, T1.22      | 48" MAX A.F.F TO HIGHEST OPERABLE PART |
|  | CCTV           | CAMERA          | SINGLE GANG         | (1) 3/4" CONDUIT         | CEILING MOUNTED U.O.N.                 |
|  | AREA OF REFUGE | CALL BOX        | PER SYSTEM DESIGNER | (1) 1" CONDUIT           | COORDINATE HEIGHT WITH SYSTEM DESIGNER |
|  | DATA           | WIFI            | SINGLE GANG         | (1) 3/4" CONDUIT         | CEILING MOUNTED U.O.N.                 |
|  | TELEPHONE/DATA | RESIDENT OUTLET | SINGLE GANG MUDRING | 3/4" FLEX TO SMART PANEL | 18" A.F.F. U.O.N.                      |
|  | AUDIO/VISUAL   | AUDIO CONTROL   | SINGLE GANG         | (1) 3/4" CONDUIT         | COORDINATE HEIGHT WITH SYSTEM DESIGNER |
|  | DATA           | OFFICE OUTLET   | SINGLE GANG         | (1) 3/4" CONDUIT         | 18" A.F.F. U.O.N.                      |

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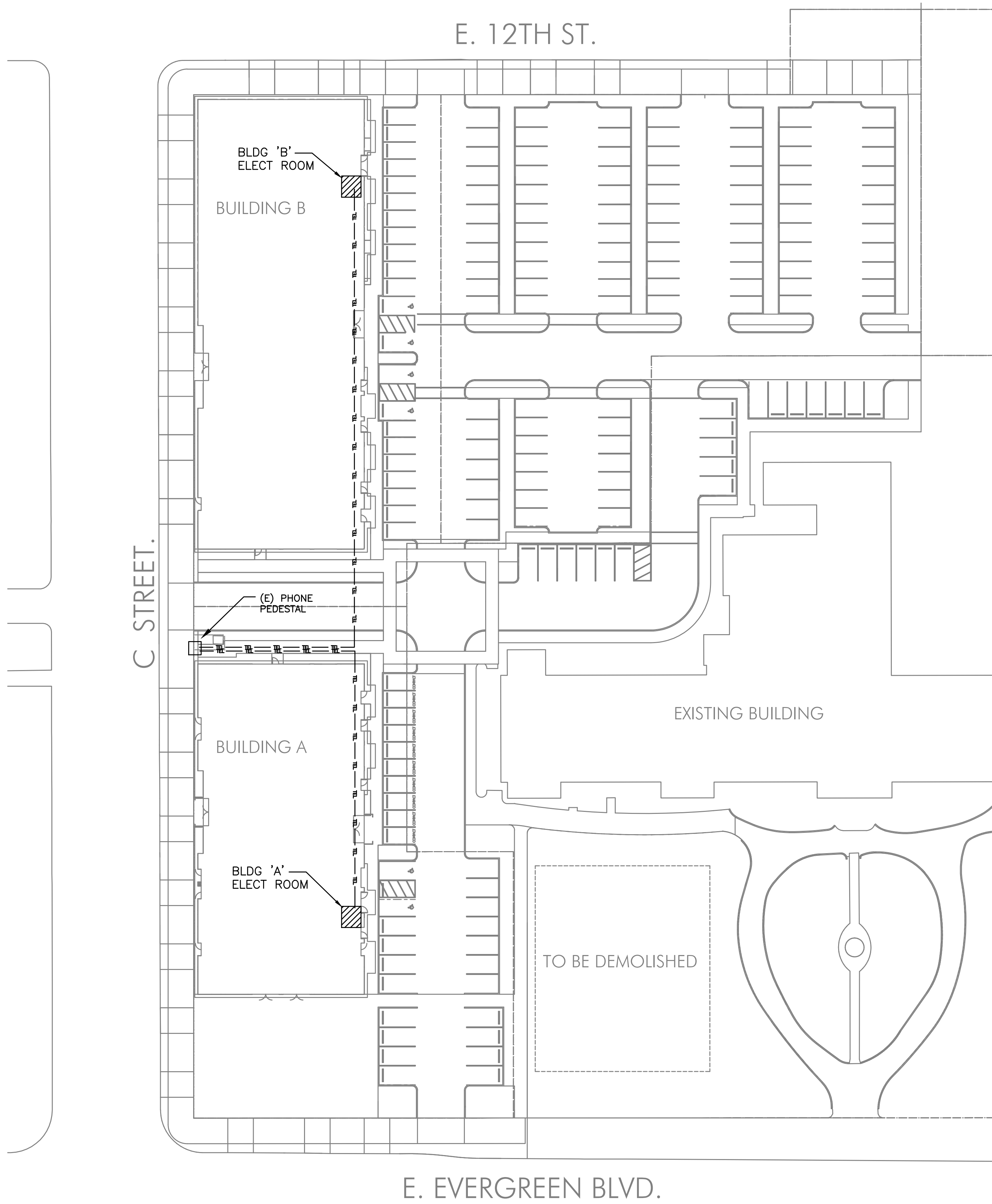
REVISIONS

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CONTACT: GARY ADOVNIK

SHEET:

T1.00



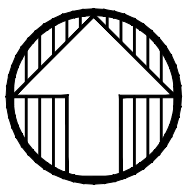
GENERAL POWER NOTES:

- 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, CPU, TELCO, CATV, AND GAS.



1  
T1.01

TECHNOLOGY SITE PLAN

SCALE: 1" = 30'-0"

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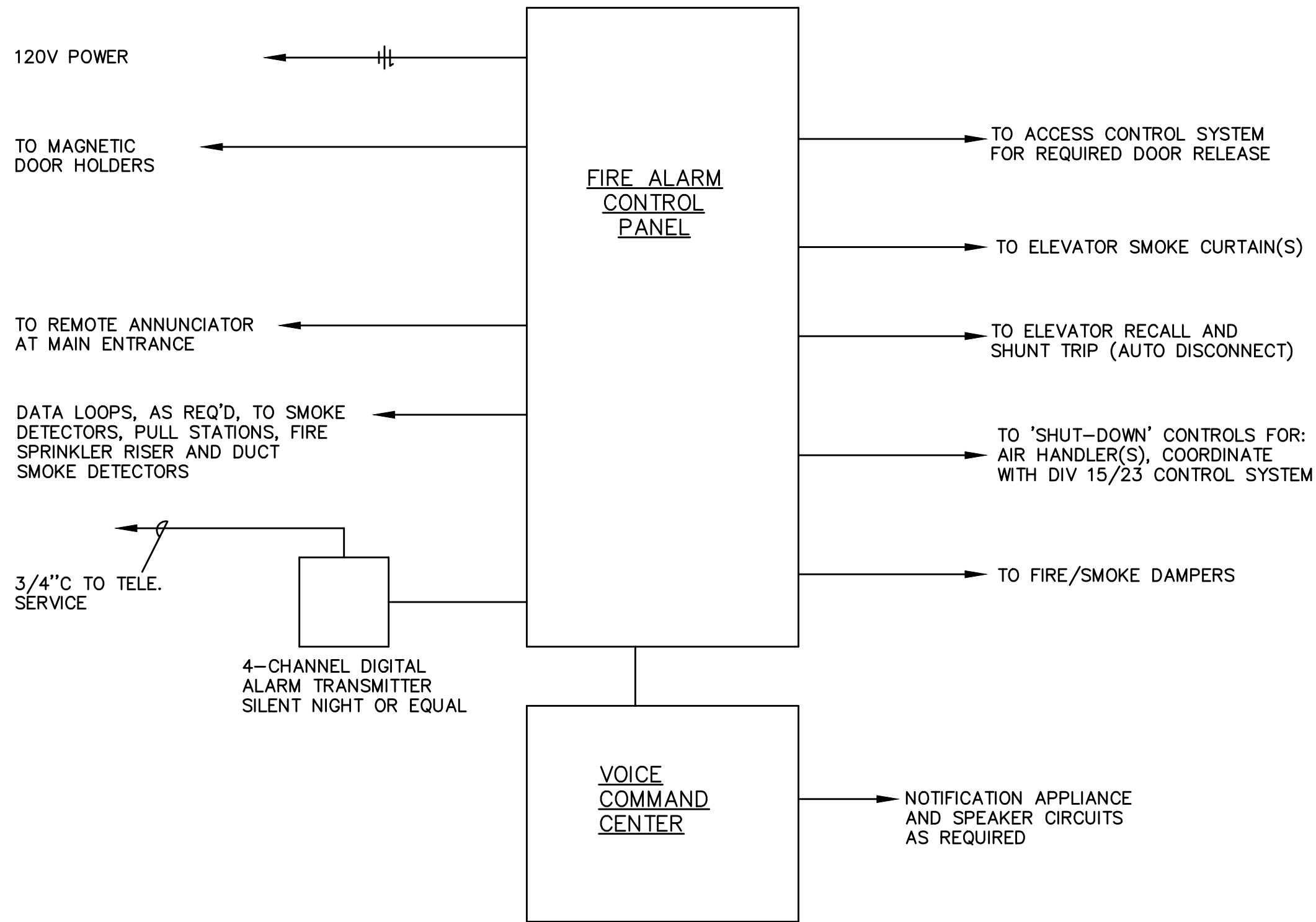
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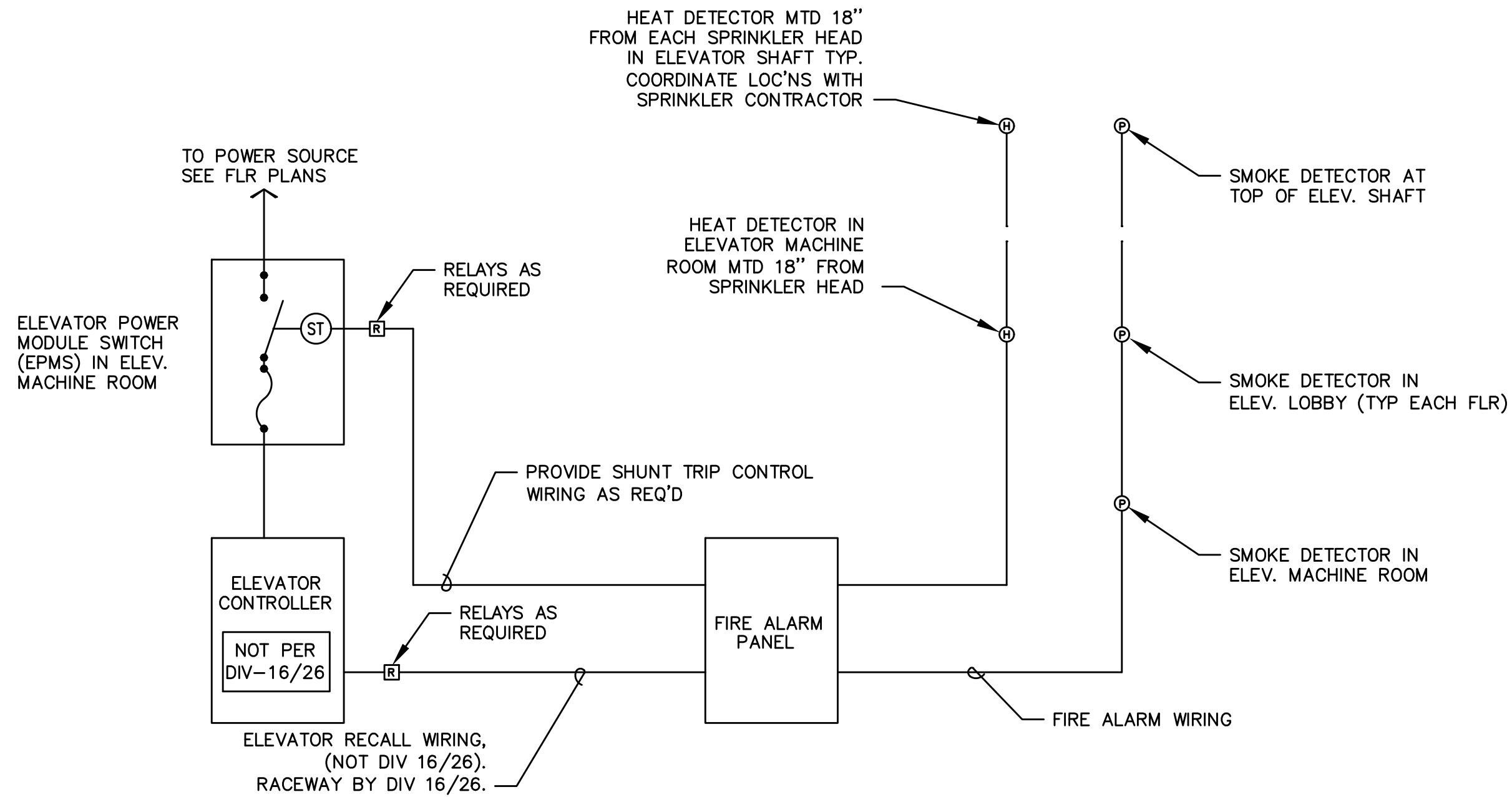
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**T1.01**





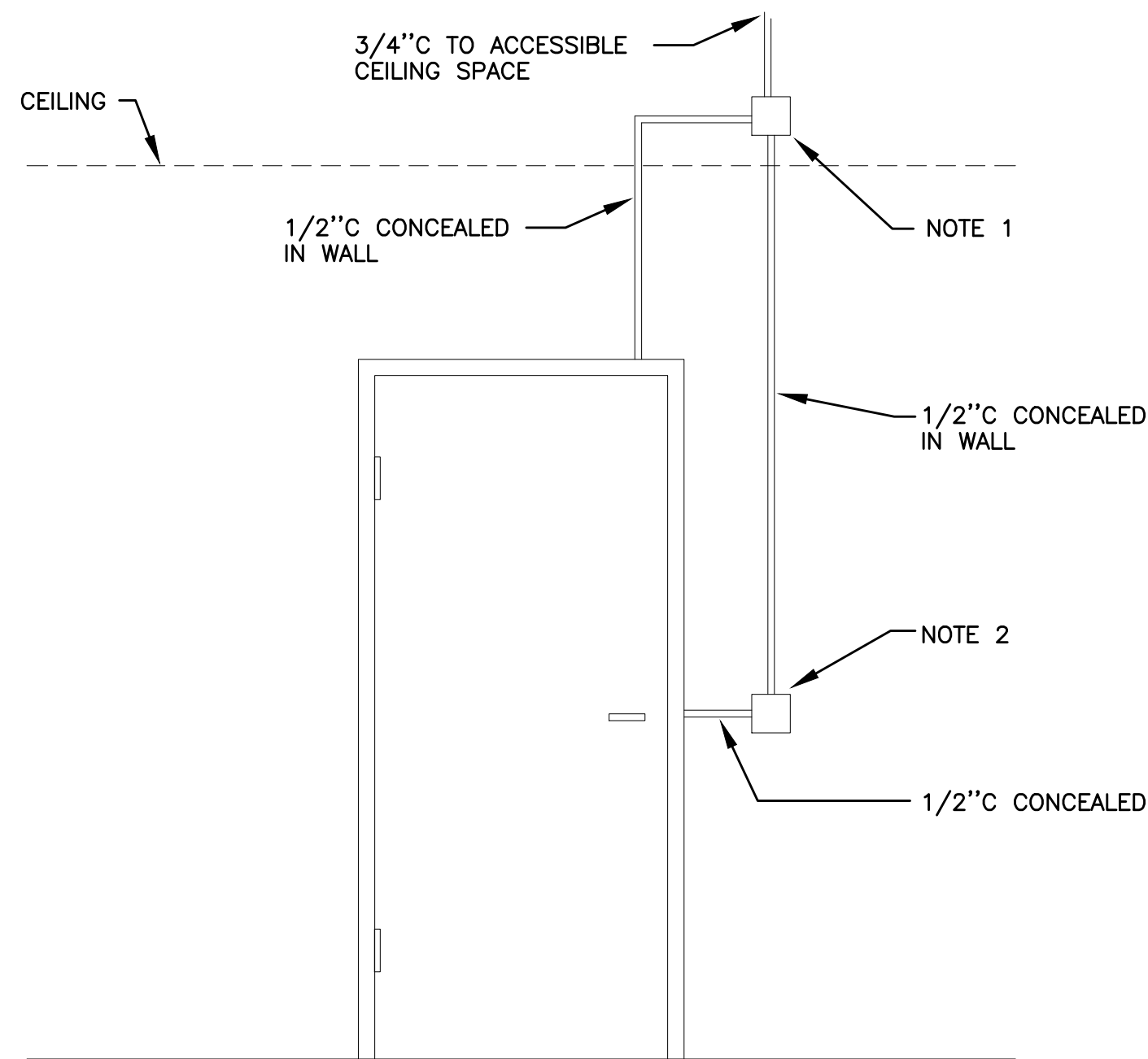
1 FIRE ALARM DETAIL  
T1.21 N.T.S.



- 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.

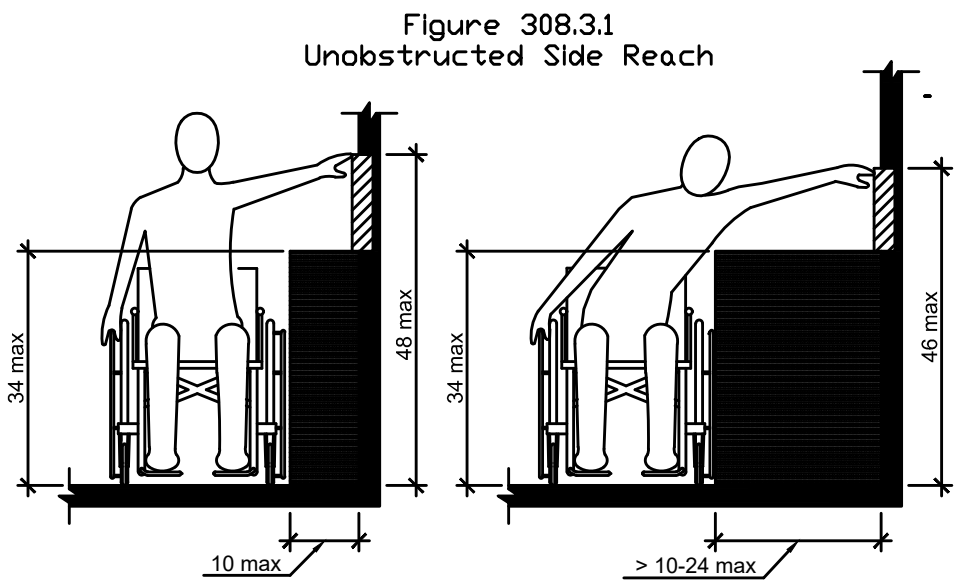
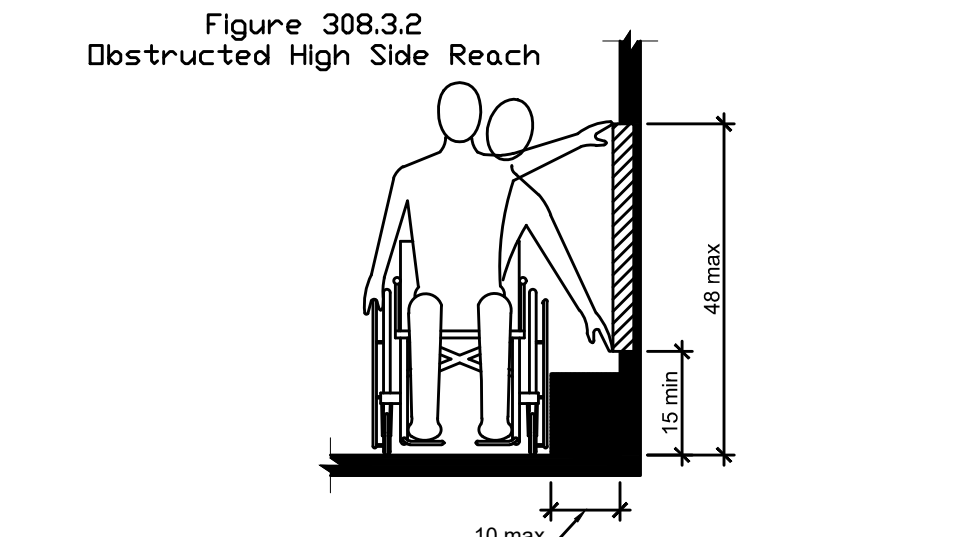
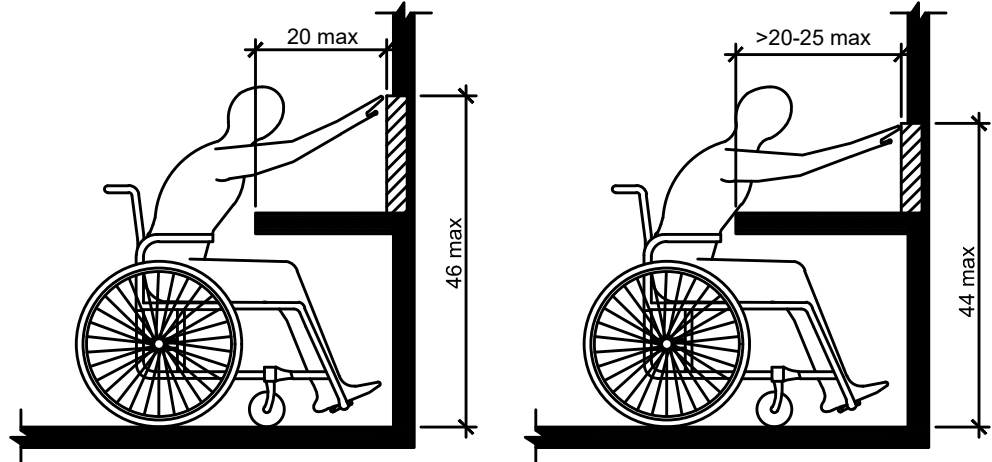
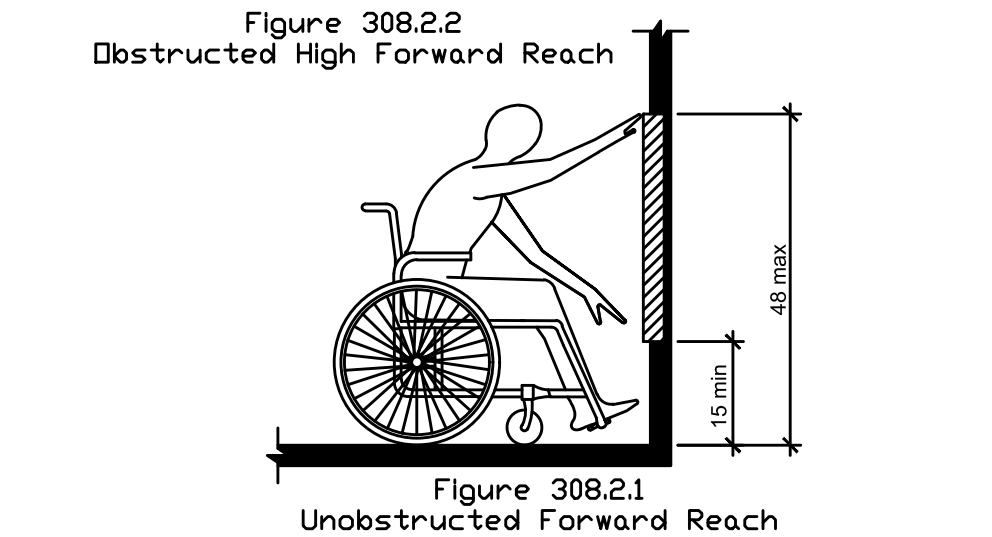
2 ELEVATOR RECALL & AUTO DISCONNECT DETAIL  
T1.21 N.T.S.

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- SECURITY ROUGH-IN NOTES**
1. 4 SQUARE J-BOX @ 0'-6" ABOVE FINISHED CEILING, VERIFY WITH ARCHITECT.
  2. 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.

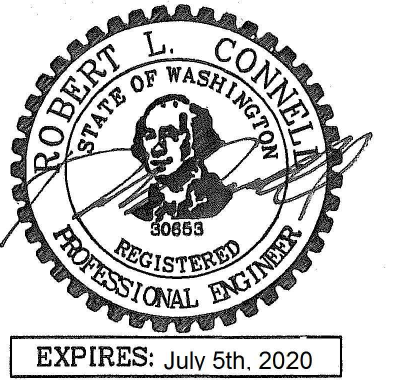
**308.3 Side Reach.**

**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**

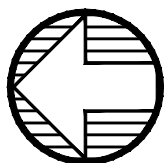
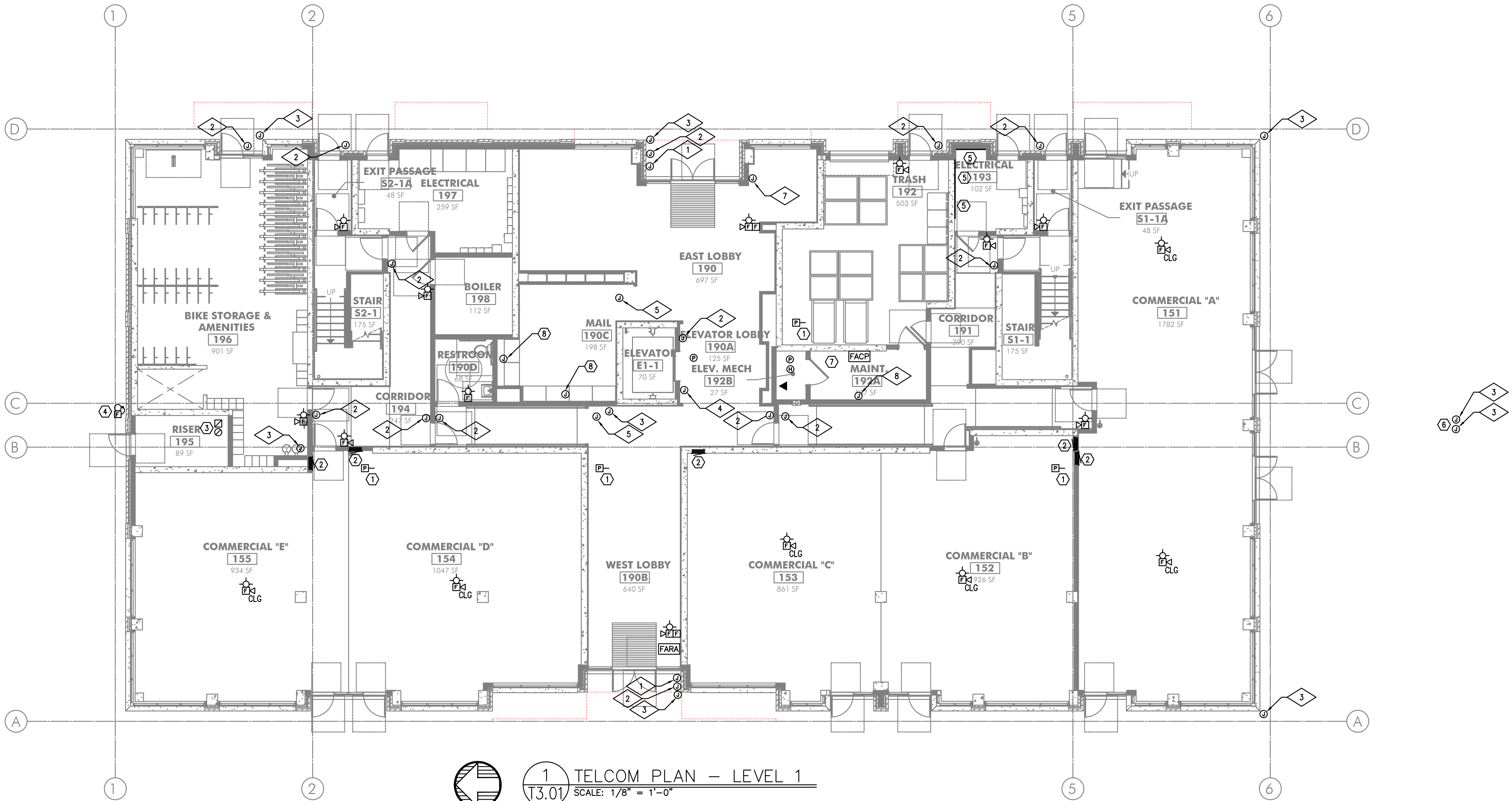


GENERAL NOTES:

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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.
- G. DO NOT SURFACE MOUNT ANY CONDUIT OR FIXTURE WITHOUT PRIOR APPROVAL FROM ARCHITECT, IN ANY PUBLICLY ACCESSIBLE SPACE.

NOTES:

1. VERIFY THE EXACT LOCATION OF FIRE-SMOKE AND SMOKE DAMPERS WITH MECHANICAL PLANS.
2. PROVIDE SMART PANEL WITH (2) 1" CONDUITS TO ACCESSIBLE CEILING SPACE FOR UTILITY CABLING TO DEMARCATION POINT.
3. VERIFY NUMBER OF DEVICES NECESSARY WITH FIRE SPRINKLER PLANS.
4. PROVIDE FIRE SPRINKLER BELL OR WEATHER PROOF HORN-STROBE PER REQUIREMENTS SET BY THE AUTHORITY HAVING JURISDICTION.
5. PROVIDE 3/4" 4'X8' FIRE RATED PLYWOOD BACKBOARD PER UTILITY REQUIREMENTS FOR DEMARCATION POINT.
6. STUB OUT 3/4" CONDUIT FOR CABLING ACCESS TO FUTURE CANOPY.
7. SPACE RESERVED FOR HEAD-END EQUIPMENT OF OWNER FURNISHED OWNER INSTALLED EQUIPMENT.
8. PROVIDE BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE FOR CABLING ACCESS TO PACKAGE DELIVERY SYSTEM.



1  
T3.01

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

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REVISIONS

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SHEET:  
A  
T3.01

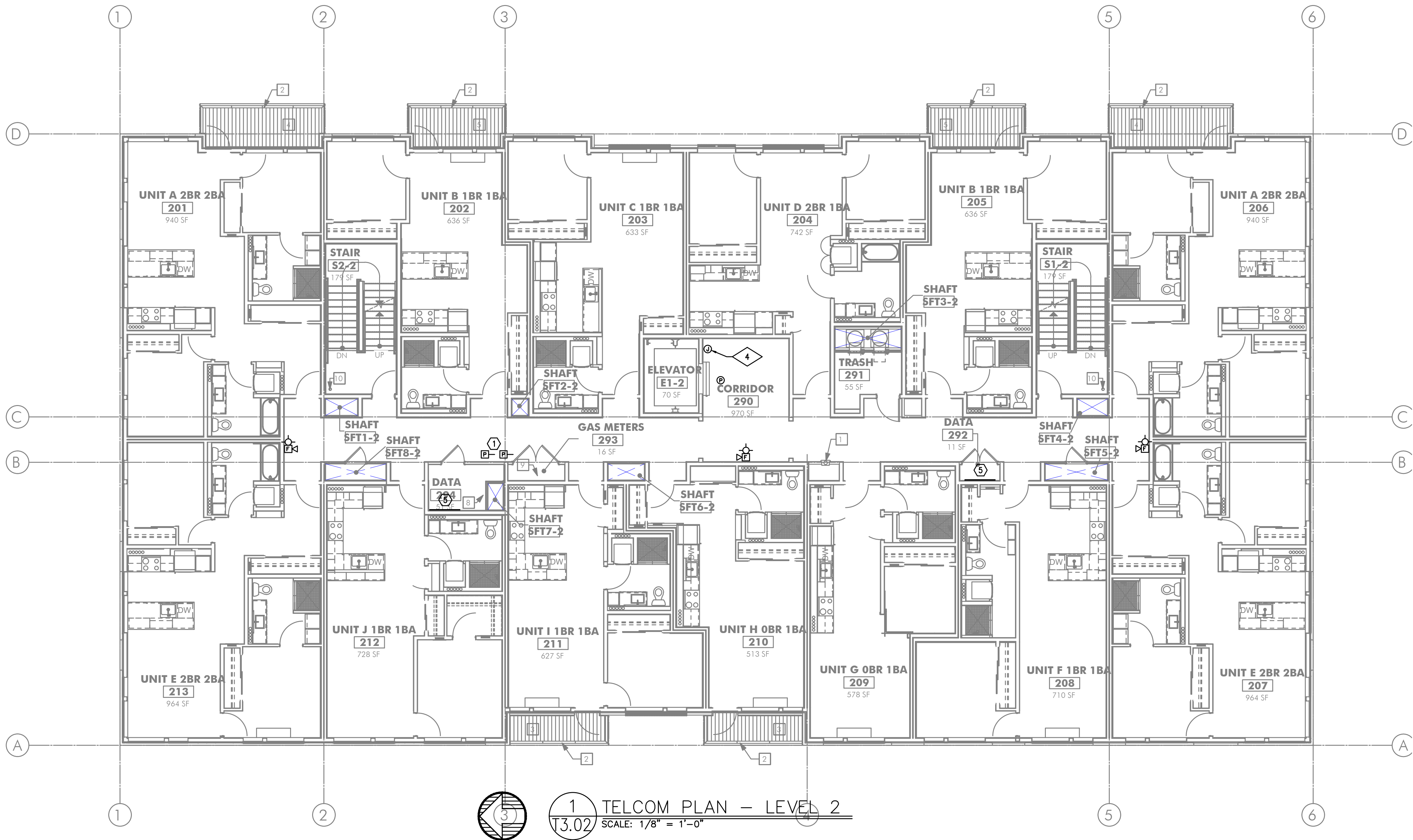


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- C. PROVIDE 3/4" CONDUIT FROM FIRE ALARM, ACCESS CONTROL, SECURITY, AND CCTV LOCATIONS TO ACCESSIBLE CEILING SPACE WITH CABLE PROTECTION AT BOTH ENDS.
- D. COORDINATE ALL DEVICE LOCATIONS WITH LATEST ARCHITECTURAL INTERIOR ELEVATIONS TO VERIFY DEVICES 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.
- G. DO NOT SURFACE MOUNT ANY CONDUIT OR FIXTURE WITHOUT PRIOR APPROVAL FROM ARCHITECT, IN ANY PUBLICLY ACCESSIBLE SPACE.

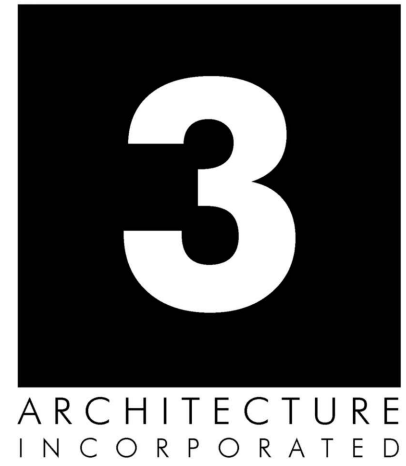
NOTES:

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4. PROVIDE FIRE SPRINKLER BELL OR WEATHER PROOF HORN-STROBE PER REQUIREMENTS SET BY THE AUTHORITY HAVING JURISDICTION.
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6. STUB OUT 3/4" CONDUIT FOR CABLING ACCESS TO FUTURE CANOPY.
7. SPACE RESERVED FOR HEAD-END EQUIPMENT OF OWNER FURNISHED OWNER INSTALLED EQUIPMENT.
8. PROVIDE BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE FOR CABLING ACCESS TO PACKAGE DELIVERY SYSTEM.

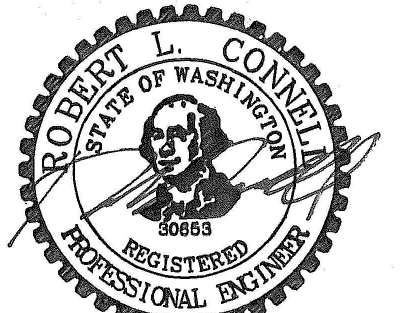


1 TELCOM PLAN - LEVEL 2  
13.02 SCALE: 1/8" = 1'-0"

STUDIO



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



EXPIRES: July 5th, 2020

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PROJECT # 2017-053  
DATE: 11/06/2019

REVISIONS

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**T3.02**

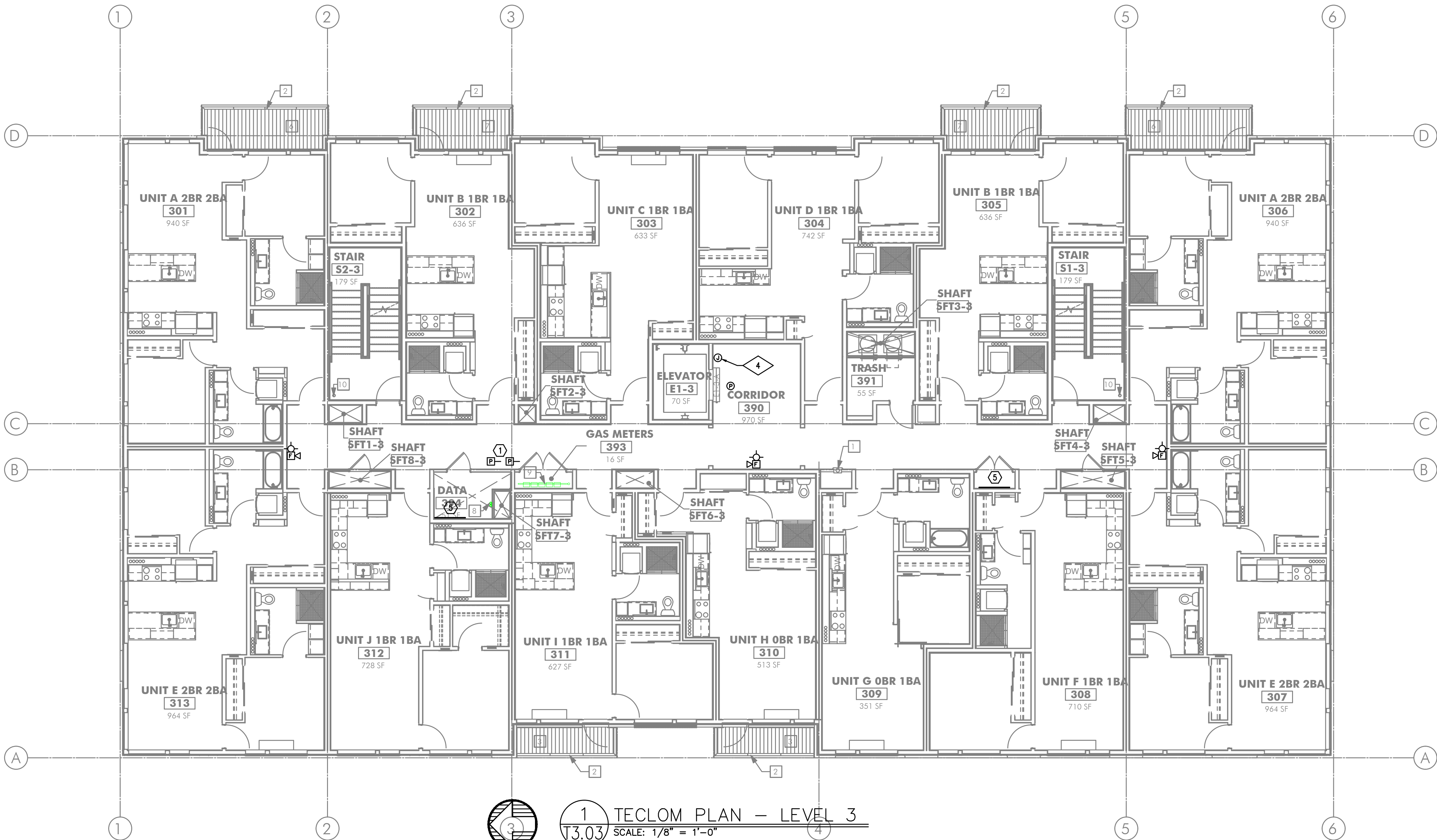


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1 TECLOM PLAN - LEVEL 3  
13.03 SCALE: 1/8" = 1'-0"



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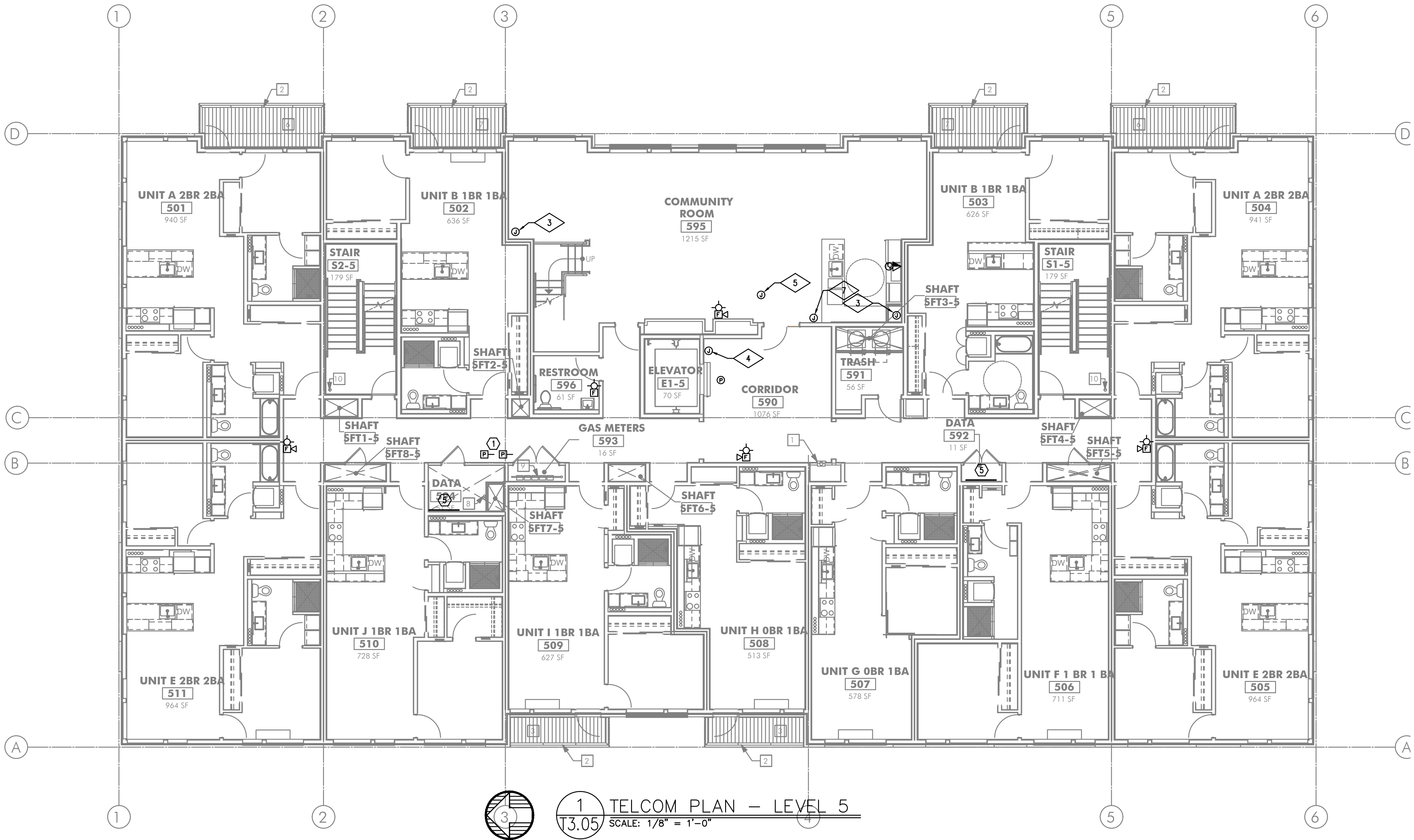


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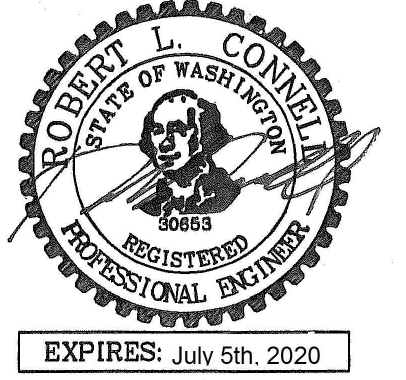
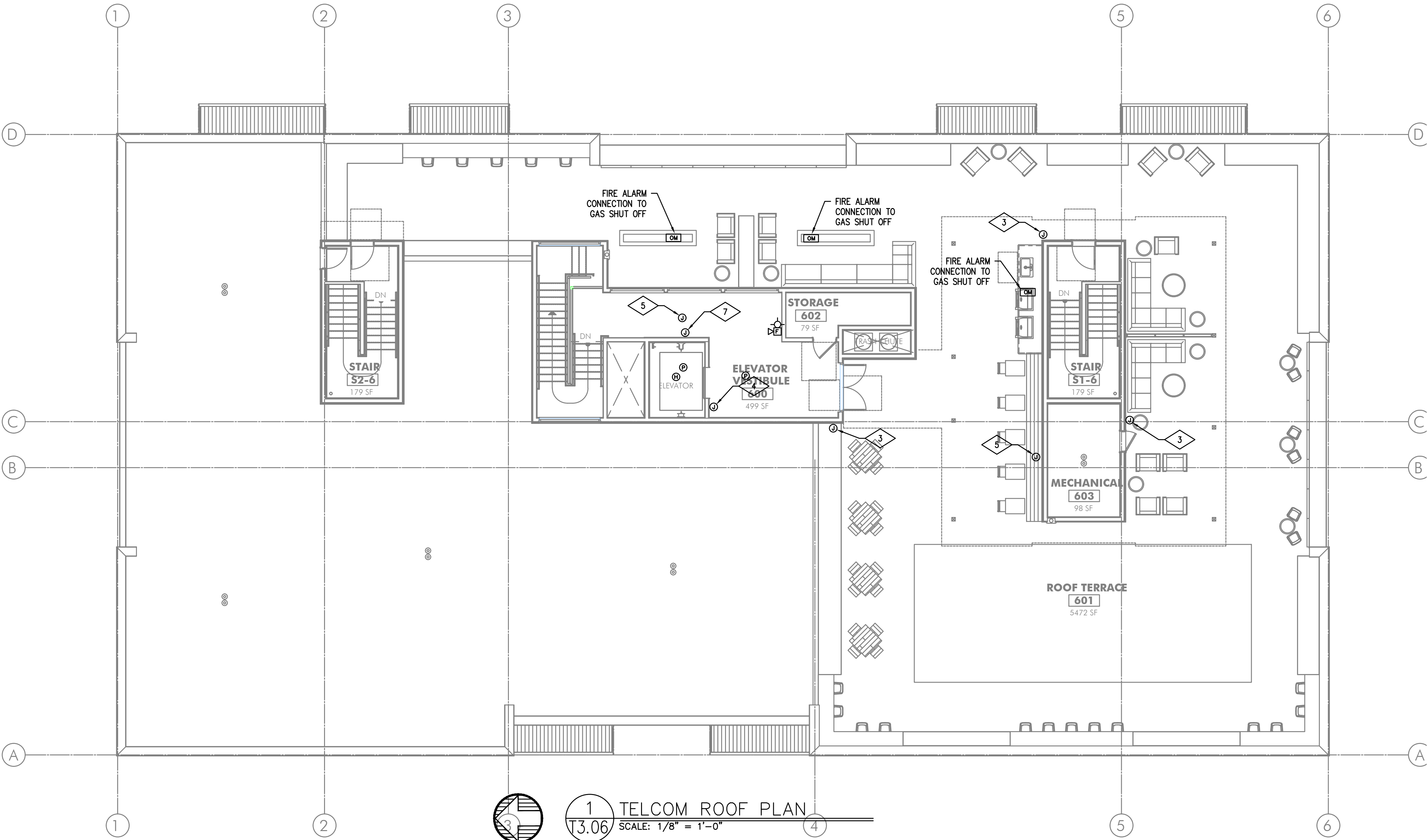


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**A**  
**T3.06**

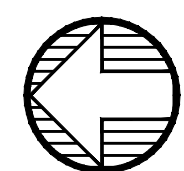
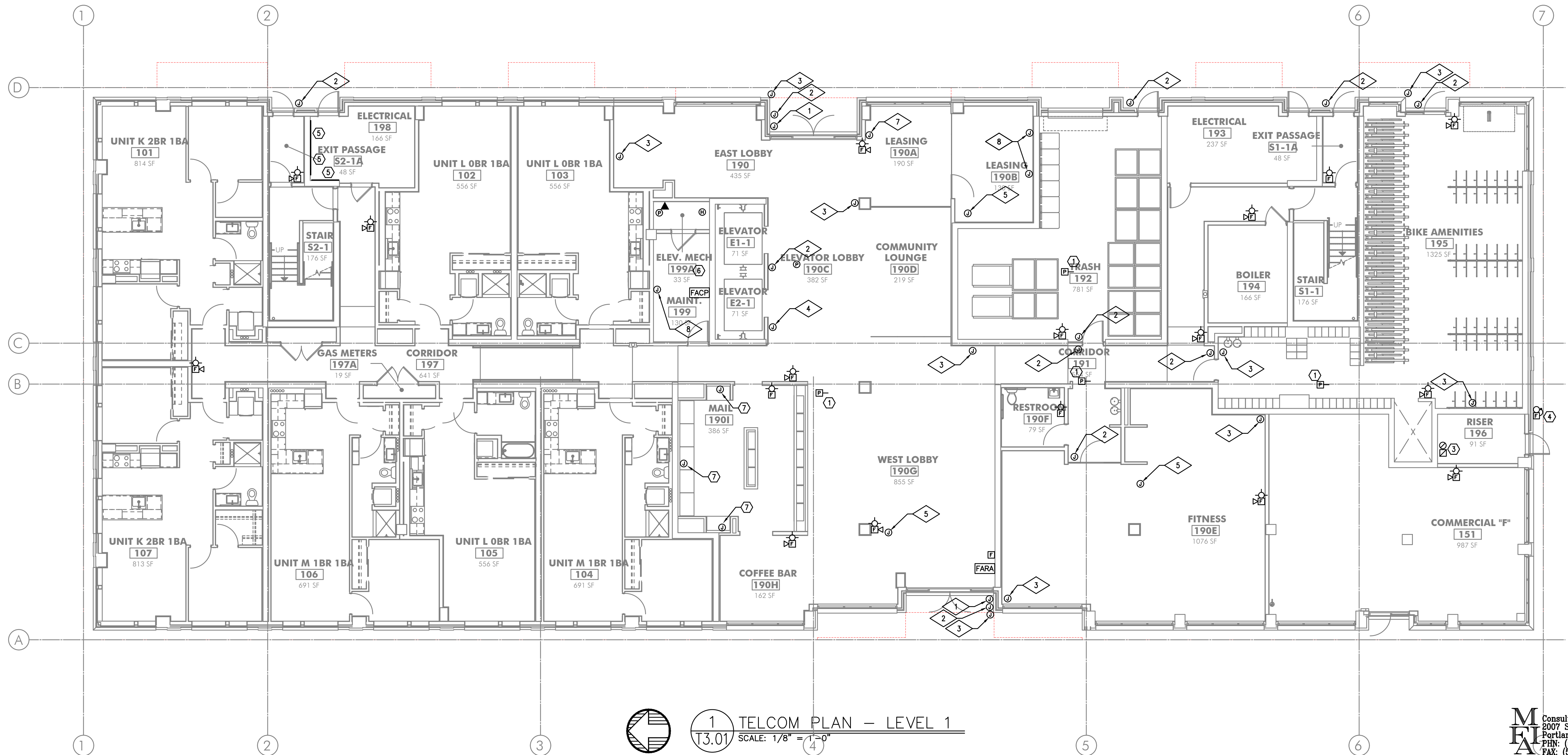


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1 TELCOM PLAN - LEVEL 1  
T3.01 SCALE: 1/8" = 1'-0"

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B  
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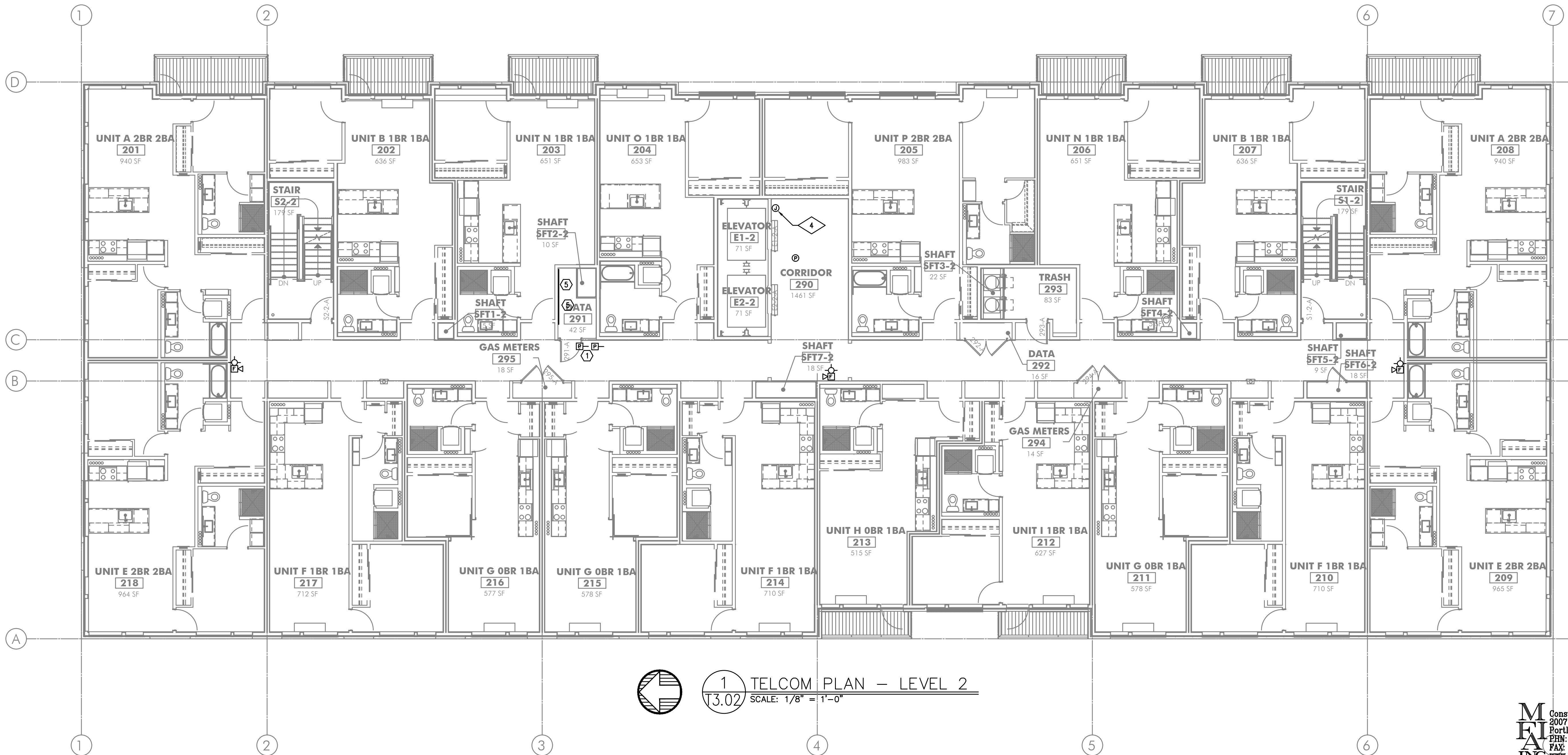


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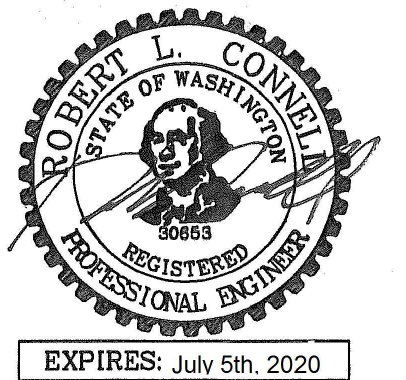
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1 TELCOM PLAN - LEVEL 2  
T3.02 SCALE: 1/8" = 1'-0"

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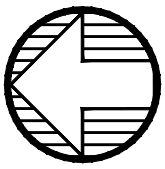
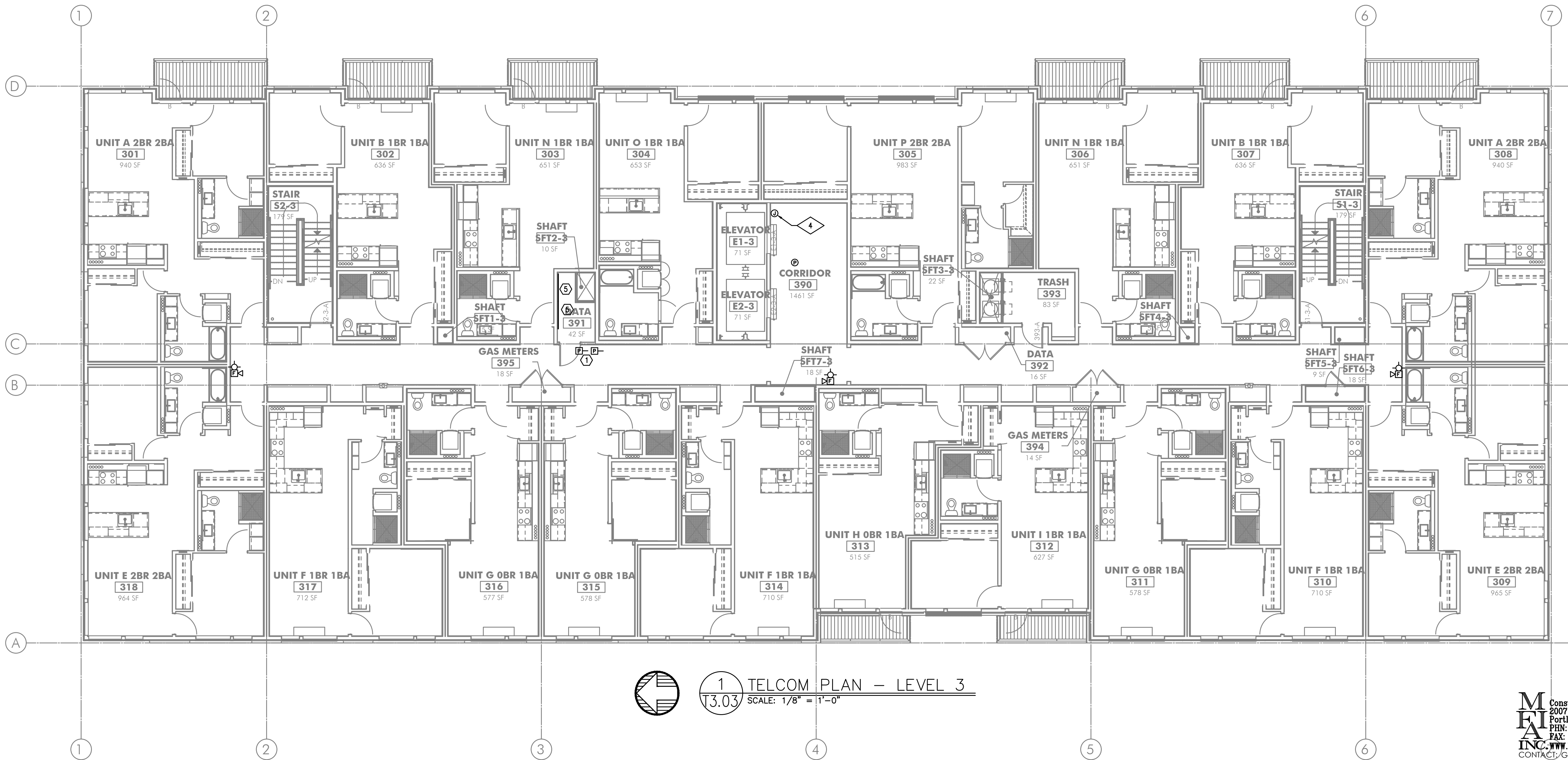


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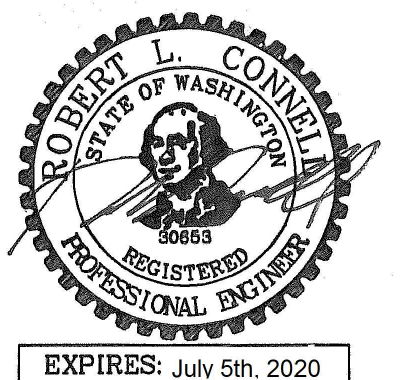
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**T3.03**

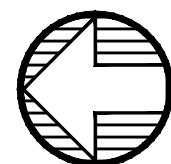
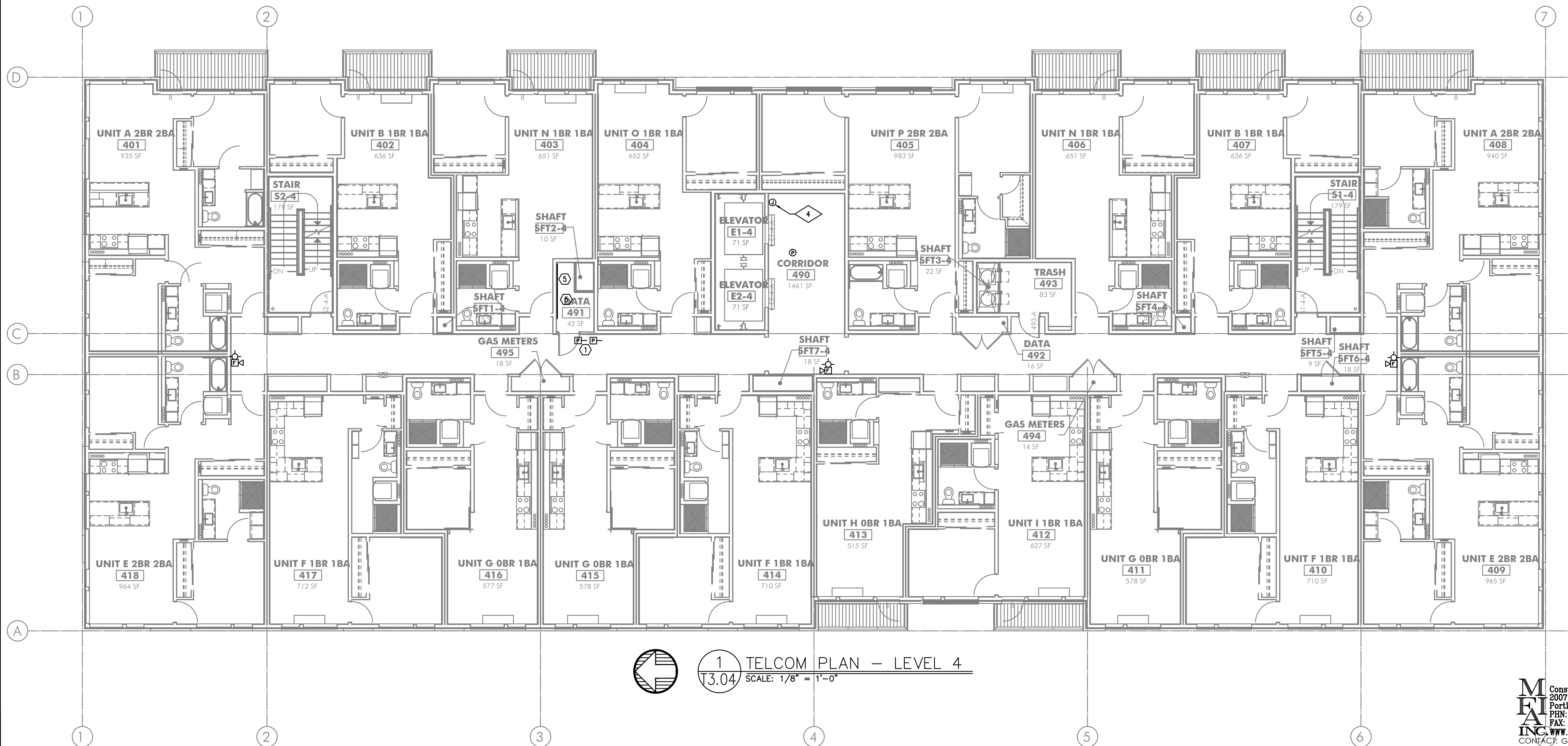


GENERAL NOTES:

- 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 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.
- G. DO NOT SURFACE MOUNT ANY CONDUIT OR FIXTURE WITHOUT PRIOR APPROVAL FROM ARCHITECT, IN ANY PUBLICLY ACCESSIBLE SPACE.

NOTES:

1. VERIFY THE EXACT LOCATION OF FIRE-SMOKE AND SMOKE DAMPERS WITH MECHANICAL PLANS.
2. PROVIDE SMART PANEL WITH (2) 1" CONDUITS TO ACCESSIBLE CEILING SPACE FOR UTILITY CABLING TO DEMARCATION POINT.
3. VERIFY NUMBER OF DEVICES NECESSARY WITH FIRE SPRINKLER PLANS.
4. PROVIDE FIRE SPRINKLER BELL OR WEATHER PROOF HORN-STROBE PER REQUIREMENTS SET BY THE AUTHORITY HAVING JURISDICTION.
5. PROVIDE 3/4" 4'X8' FIRE RATED PLYWOOD BACKBOARD PER UTILITY REQUIREMENTS FOR DEMARCATION POINT.
6. SPACE RESERVED FOR HEAD-END EQUIPMENT OF OWNER FURNISHED OWNER INSTALLED EQUIPMENT.
7. PROVIDE BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE FOR CABLING ACCESS TO PACKAGE DELIVERY SYSTEM.



1  
T3.04  
SCALE: 1/8" = 1'-0"

TELCOM PLAN — LEVEL 4

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CONTACT: GARY ADOVNIK



EXPIRES: July 5th, 2020

IN THE EVENT CONFLICTS ARE DISCOVERED BETWEEN THE ORIGINAL SIGNED AND SEALED DOCUMENTS PREPARED BY THE ARCHITECTS AND/OR THEIR CONSULTANTS, AND ANY COPY OF THE DOCUMENTS TRANSMITTED BY MAIL, FAX, ELECTRONICALLY OR OTHERWISE, THE ORIGINAL SIGNED AND SEALED DOCUMENTS SHALL GOVERN.

PROJECT # 2017-053  
DATE: 11/06/2019

REVISIONS

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

SHEET:

**B**  
**T3.04**

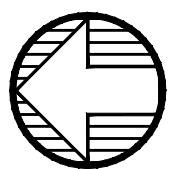


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1  
3.05  
TELCOM PLAN - LEVEL 5  
SCALE: 1/8" = 1'-0"

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AEGIS  
MIXED-USE DEVELOPMENT  
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SHEET:

B  
T3.05

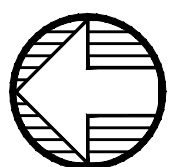
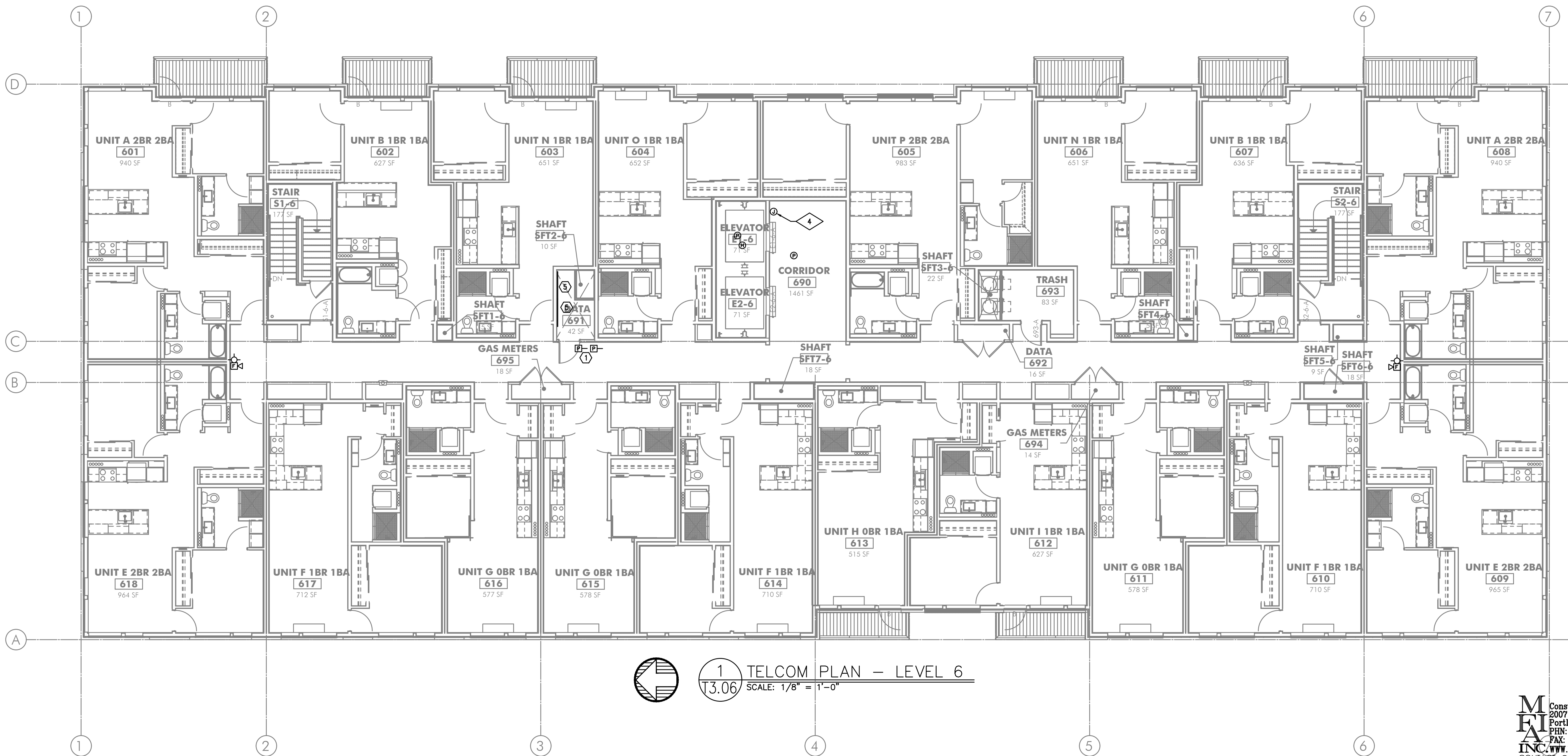


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1 TELCOM PLAN - LEVEL 6  
T3.06 SCALE: 1/8" = 1'-0"

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SHEET:

**B**  
**T3.06**