

TECHNOLOGY SYMBOL LIST

SIGNAL SYMBOLS

	TELEPHONE OUTLET +18" A.F.F.
	WALL TELEPHONE OUTLET +48" A.F.F.
	CABLE FOR WIRELESS ACCESS POINT
	(2) PORTS PER 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 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)

SECURITY SYMBOLS

	CCTV CAMERA
	PTZ DOME CAMERA (W/ PTZ OR FIX)
	'X' 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
	APARTMENT ENTRY SYSTEM

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

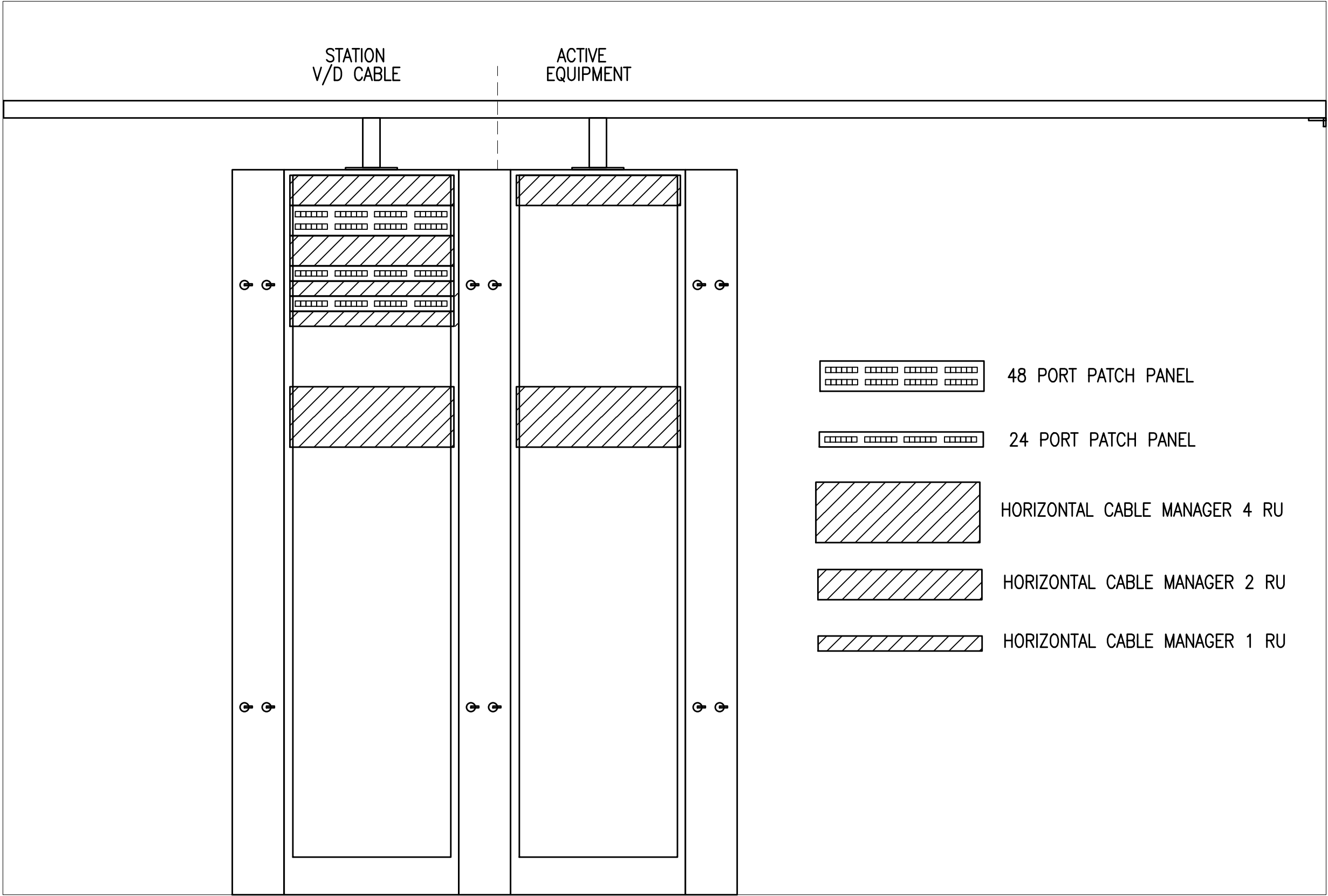
A.F.F.	ABOVE FINISHED FLOOR
APP.	APPROXIMATE
C	CONDUIT
C.O.	CONDUIT ONLY
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CLG	CEILING MOUNTED
(E)	EXISTING
FACP	FIRE ALARM CONTROL PANEL
FP	FACEPLATE
FS	FLOW SWITCH (SEE FIRE ALARM SYMBOLS)
FSD	FIRE/SMOKE DAMPER
GND	GROUND
I R	INFRARED
JB	JUNCTION BOX
N.I.C.	NOT IN CONTRACT
OFCl	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.

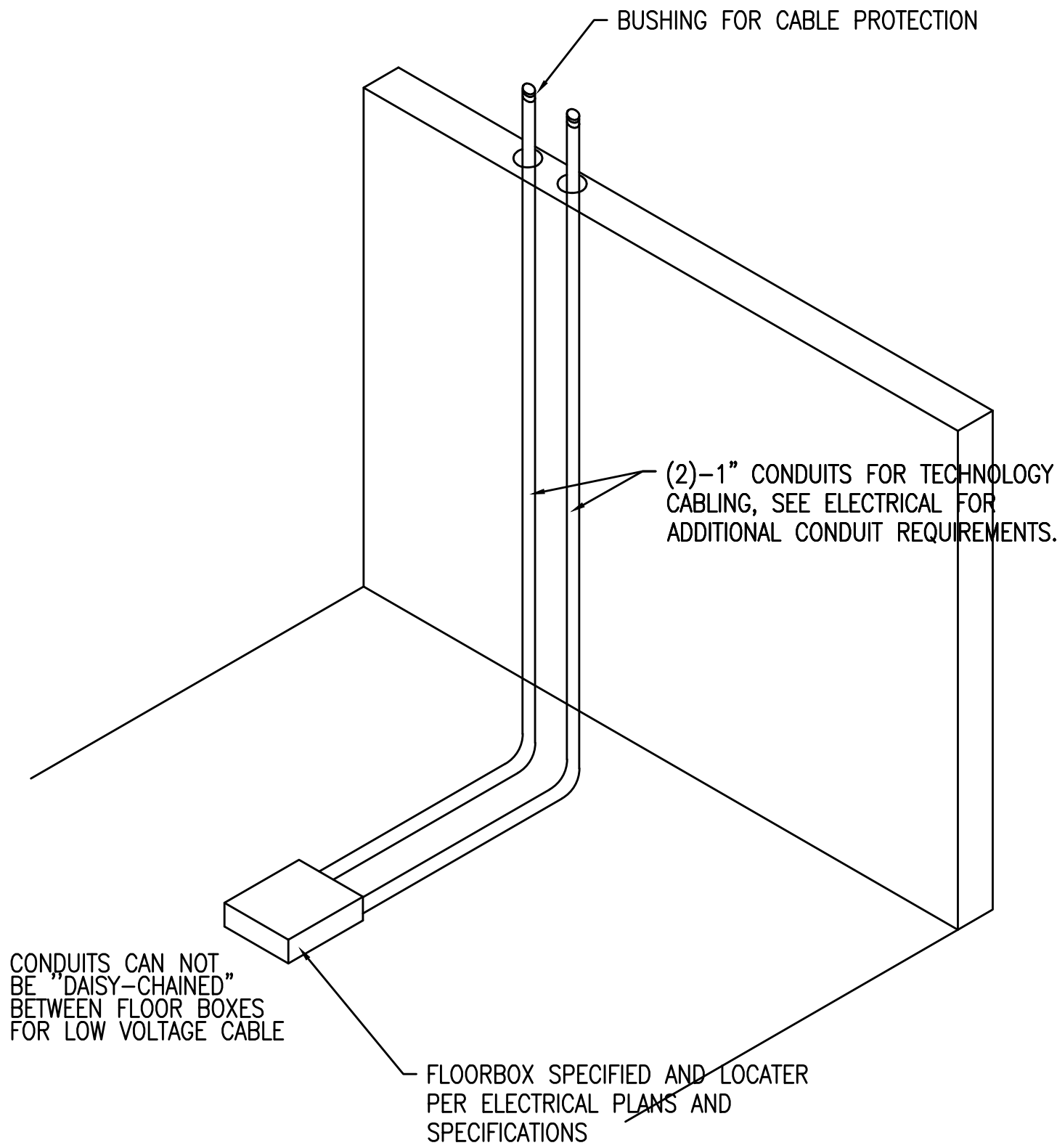
VERIFY SCALE
THIS BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
ADJUST SCALES ACCORDINGLY, IF NOT ONE INCH ON THIS SHEET

65% DESIGN DEVELOPMENT

REV.	DATE	DESCRIPTION		BY
TULELAKE NWR				T001
NEW HEADQUARTERS FACILITY				
TECHNOLOGY SYMBOL LIST				
DESIGNED GMA	DRAWN GMA	CHECKED RLC	DATE 02/11/2022	ASSET NO. 10072616



1 DATA RACK ELEVATION
T2.01 SCALE: NOT TO SCALE



2 FLOOR BOX DETAIL
T2.01 SCALE: NOT TO SCALE

VERIFY SCALE

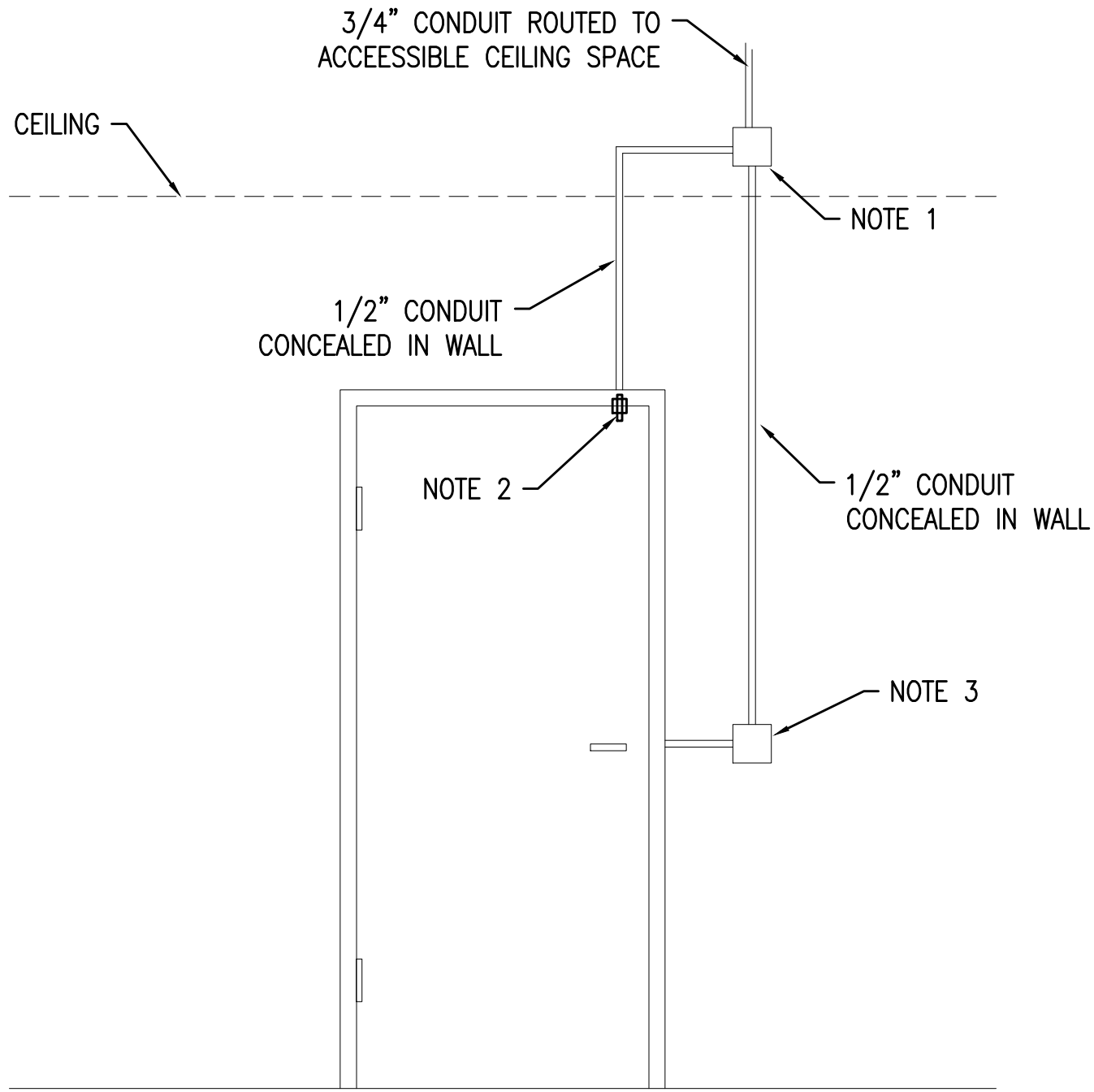
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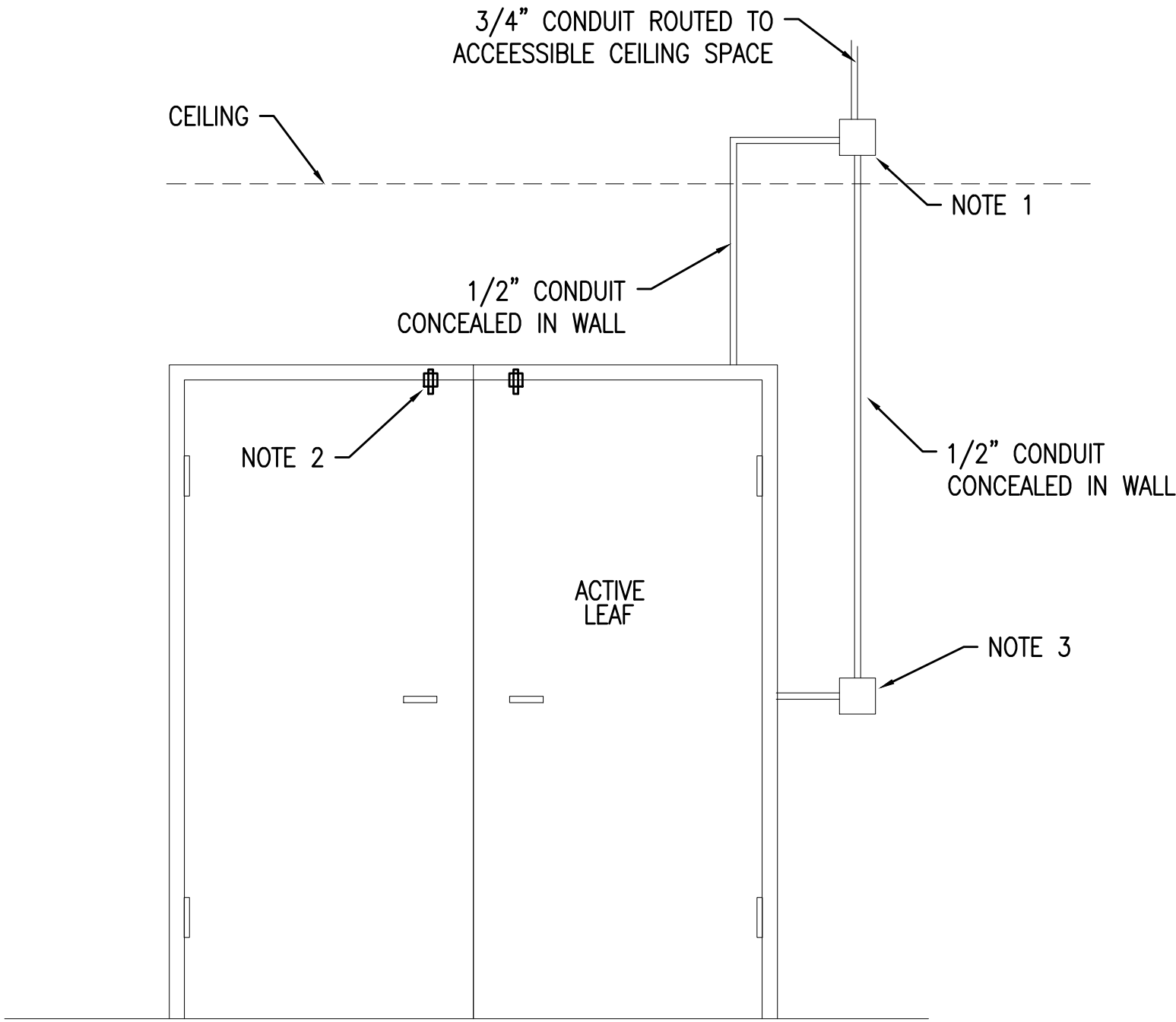
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TECHNOLOGY DETAILS				
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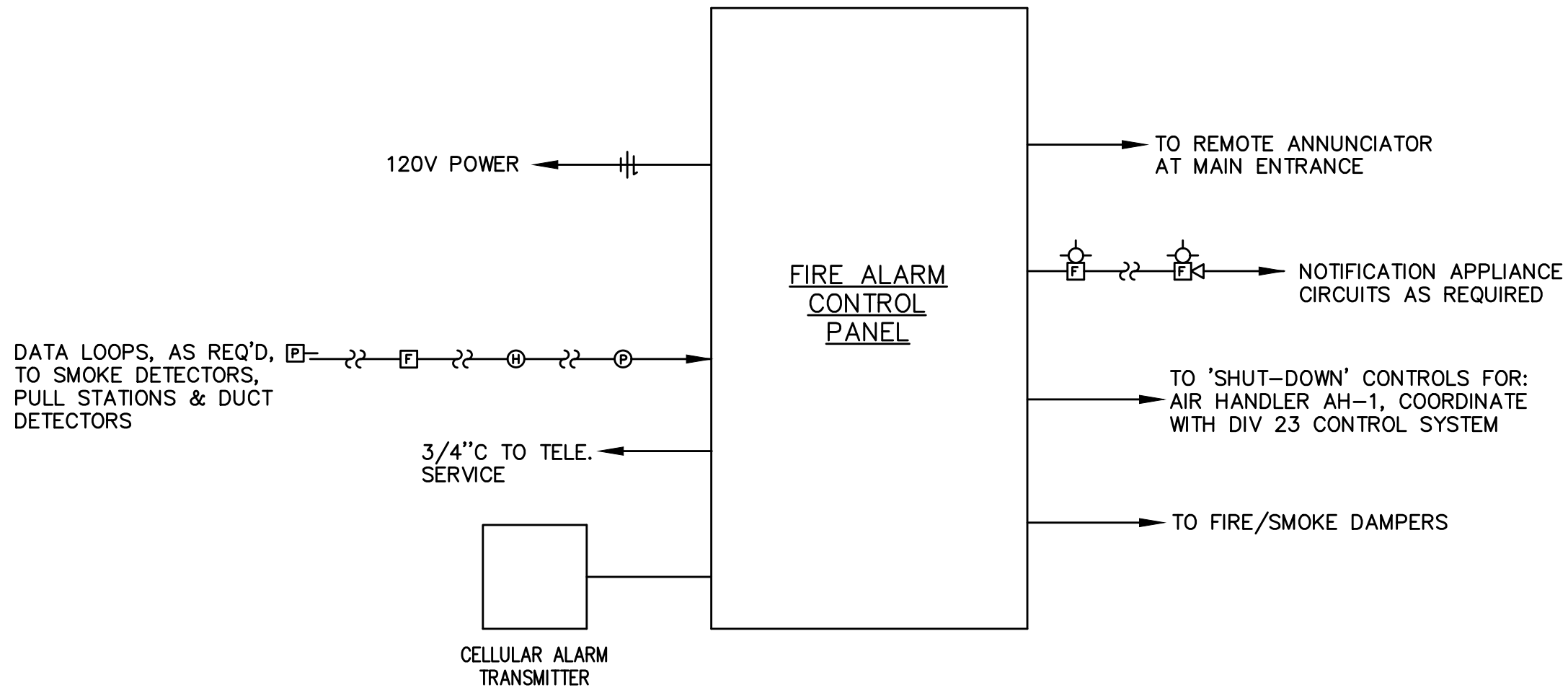


- SECURITY ROUGH-IN NOTES**
1. 4 SQUARE J-BOX @ 0'-6" ABOVE FINISHED CEILING, VERIFY WITH ARCHITECT.
 2. DOOR STATUS CONTACT, ONLY NEEDED WHEN STRIKE DOES NOT HAVE INTEGRAL SWITCH.
 3. DBL GANG BOX, PROVIDE SNGL GANG REDUCER RING IF NEEDED BY SECURITY DEVICE. COORDINATE WITH ARCHITECT TO MEET ADA REQUIREMENTS.



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1 ACCESS CONTROL ROUGH-IN ELEVATION
T2.02 SCALE: NOT TO SCALE



2 FIRE ALARM DIAGRAM
T2.02 SCALE: NOT TO SCALE

VERIFY SCALE

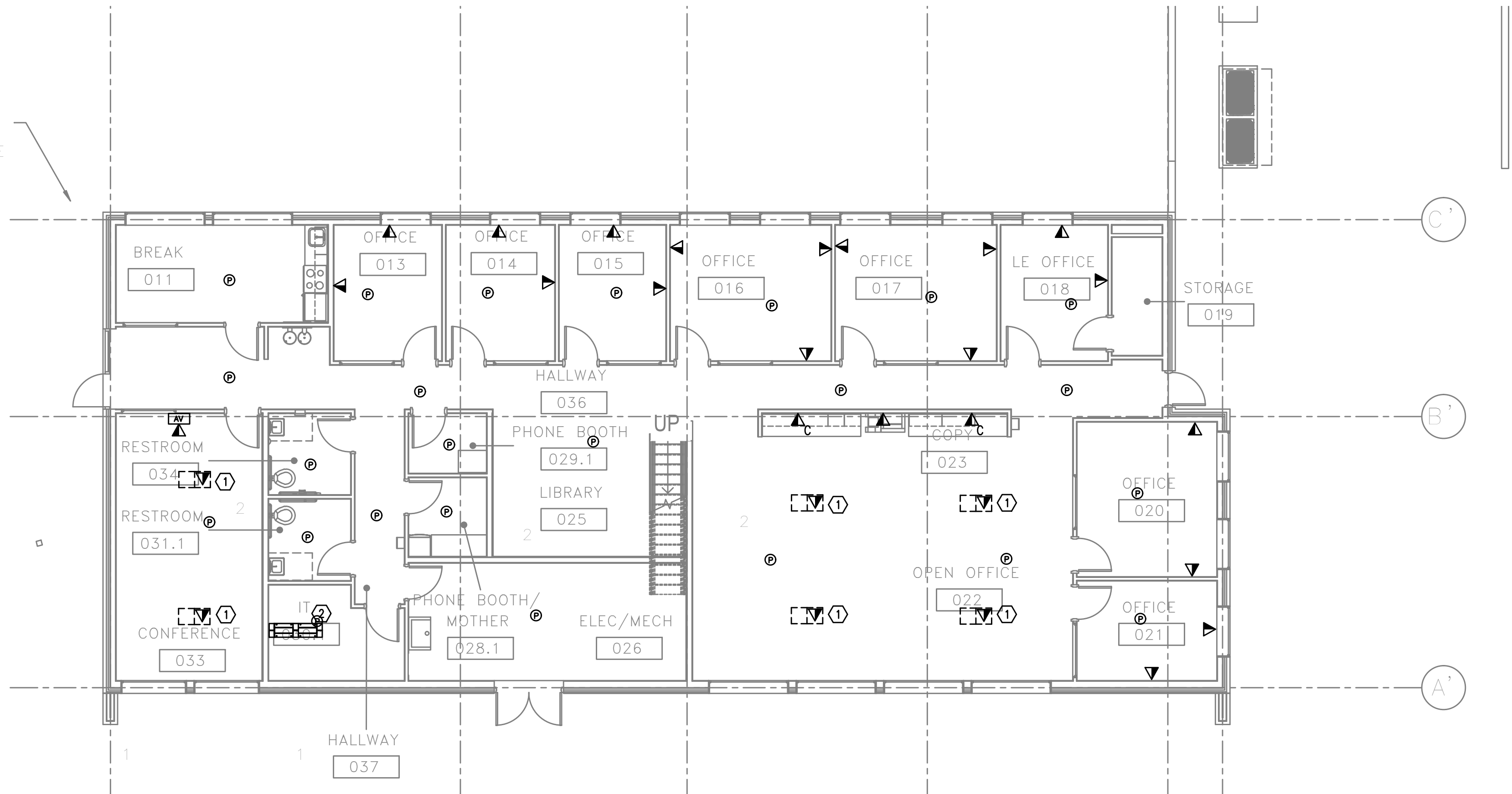
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TULELAKE NWR NEW HEADQUARTERS FACILITY TECHNOLOGY DETAILS				
DESIGNED GMA	DRAWN GMA	CHECKED RLC	DATE 02/11/2022	ASSET NO. 10072616



1 FIRST FLOOR PLAN – DATA
T301 SCALE: 1/8" = 1'-0"

- NOTES:
- FLOORBOXES PROVIDED BY ELECTRICAL COORDINATE BOX MAKE AND MODEL AND PROVIDE APPROPRIATE FACEPLATE.
 - PROVIDE LADDER RACK FOR SEISMIC BRACING ON DATA RACKS.

- GENERAL NOTES:
- TECHNOLOGY DRAWINGS ARE DIAGMMATICAL 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.
 - 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.

VERIFY SCALE

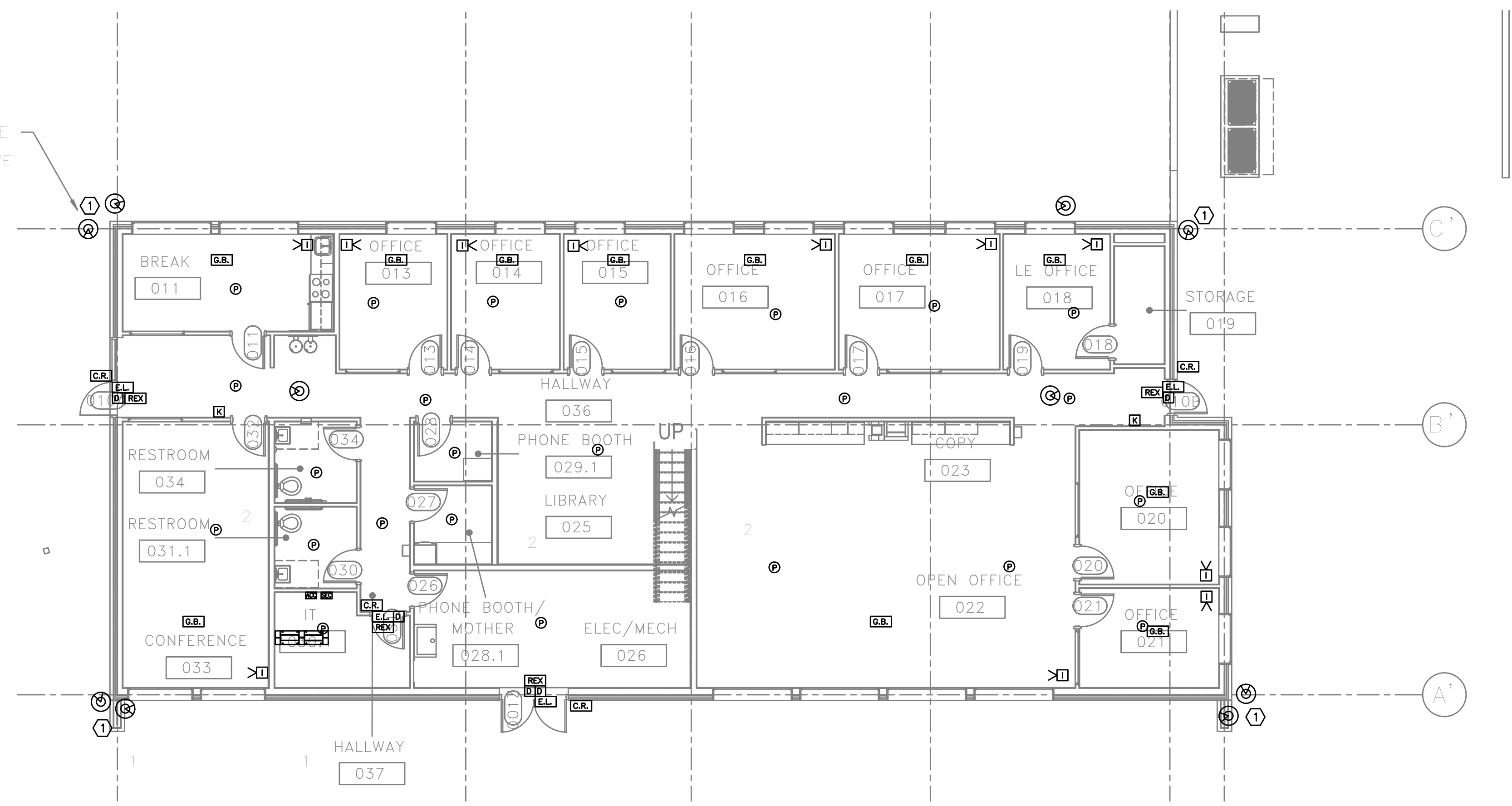
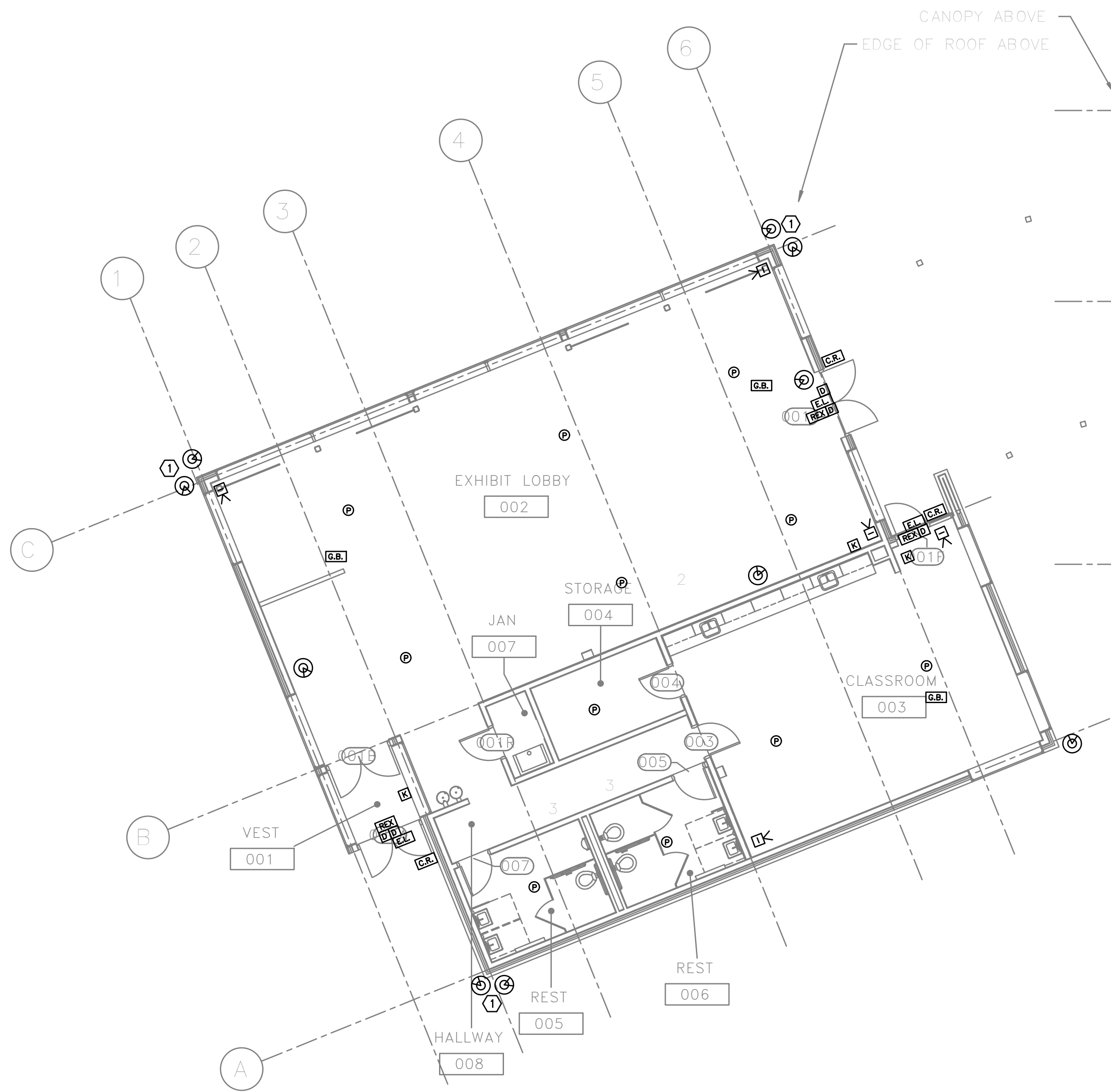
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TULELAKE NWR			T301	
NEW HEADQUARTERS FACILITY				
FIRST FLOOR PLAN – DATA				
DESIGNED	DRAWN	CHECKED	DATE	ASSET NO.
GMA	GMA	RLC	02/11/2022	10072616



1 FIRST FLOOR PLAN – ACCESS CONTROL AND SECURITY
T302 SCALE: 1/8" = 1'-0"

- NOTES:
- DUAL LENS CAMERA IN A SINGLE ENCLOSURE.

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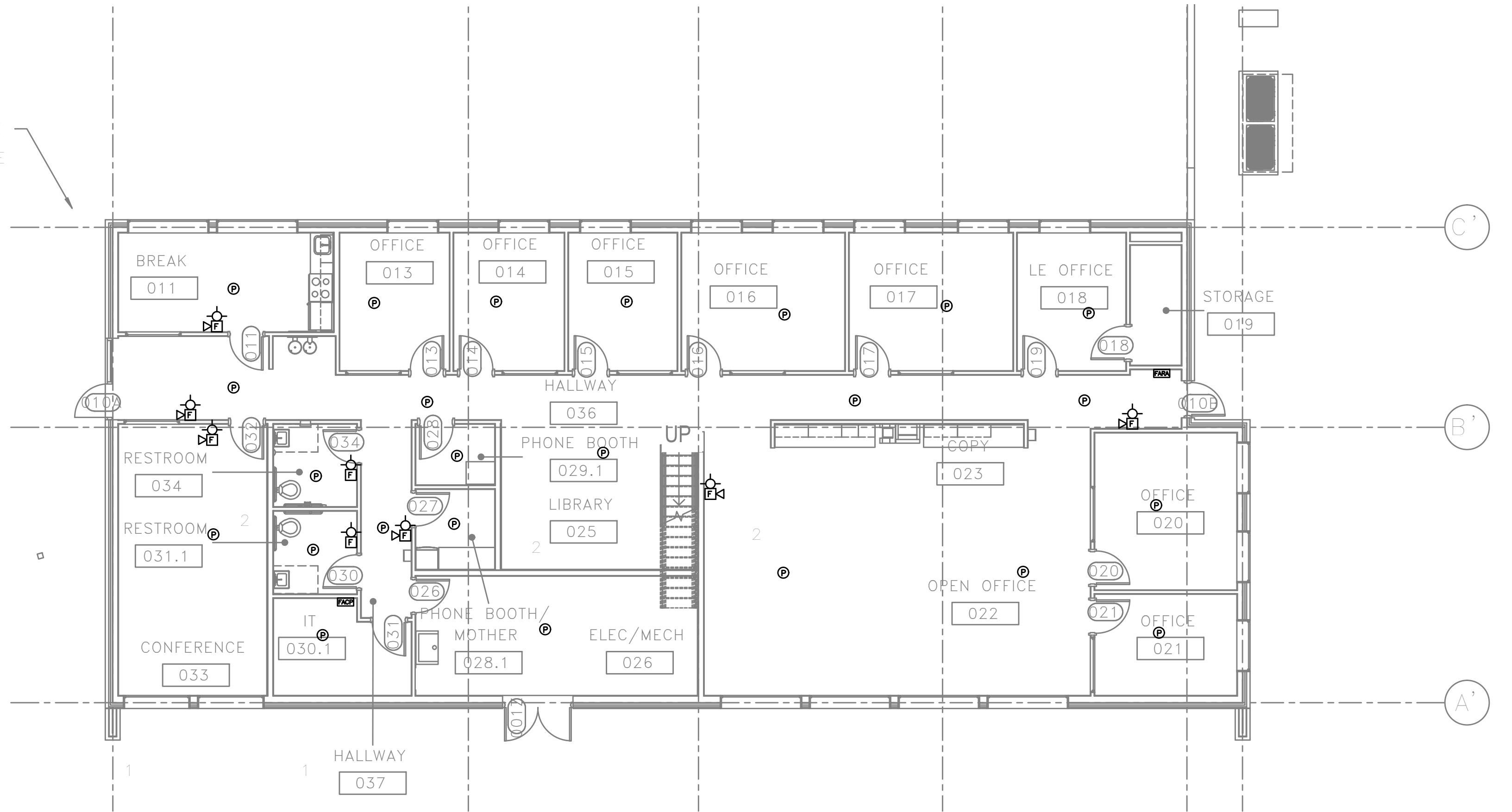
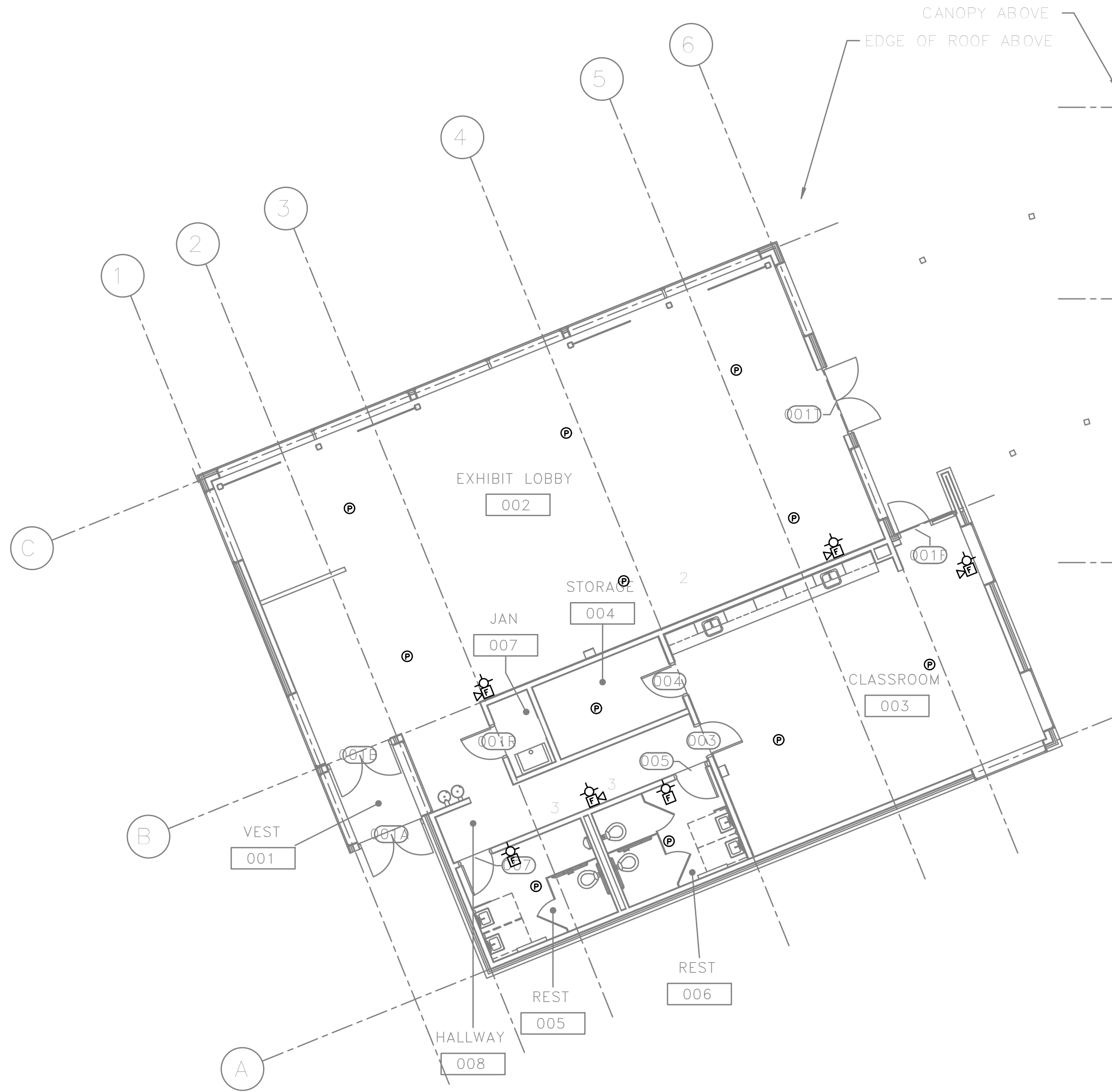
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GMA	GMA	RLC	02/11/2022	10072616

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1 FIRST FLOOR PLAN – FIRE ALARM
T303 SCALE: 1/8" = 1'-0"

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FIRST FLOOR PLAN – FIRE ALARM				
DESIGNED GMA	DRAWN GMA	CHECKED RLC	DATE 02/11/2022	ASSET NO. 10072616