

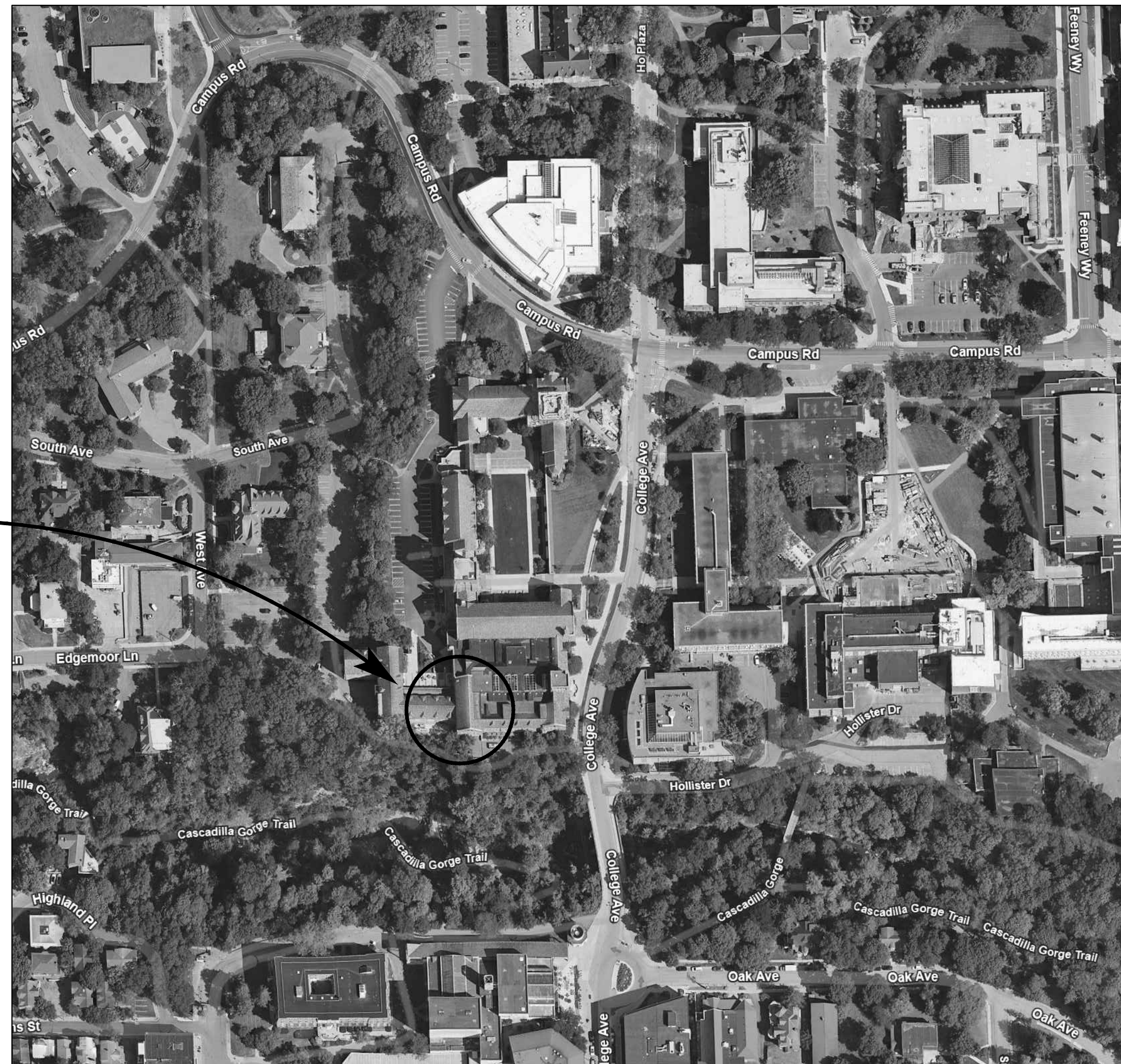
CORNELL UNIVERSITY

MYRON TAYLOR JANE FOSTER ELEVATOR MODERNIZATION 2026

CORNELL UNIVERSITY PROJECT NUMBER 12652

MAY 15, 2026

PROJECT
LOCATION



1 PROJECT SITE
T100 NOT TO SCALE

Index to Drawings:

Sheet Number:	Sheet Title:
T100:	TITLE SHEET
A100:	ARCHITECTURAL PLANS
V100:	ELEVATOR REMOVAL PLAN
V101:	ELEVATOR PLANS
V102:	HOISTWAY SECTIONS
V500:	ELEVATOR DETAILS
MF100:	MECHANICAL & FIRE PROTECTION PLANS
E001:	ELECTRICAL NOTES AND SCHEDULES
E002:	FIRE ALARM NOTES, DETAILS, AND SCHEDULES
E003:	ELECTRICAL ONE-LINE AND DETAILS
E100:	ELECTRICAL REMOVAL PLANS
E101:	ELECTRICAL PLANS

General Notes

- ALL WORK SHALL CONFORM TO CORNELL UNIVERSITY STANDARDS OF QUALITY, MATERIALS AND WORKMANSHIP.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS, CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO THE 2025 BUILDING CODE OF NEW YORK STATE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, FEDERAL, STATE, COUNTY, AND CITY ORDINANCES, CODES, LAWS AND REGULATIONS, CONFORM STRICTLY TO THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS PUBLICATION ASME A17.1, 2022 EDITION, - SAFETY CODE FOR ELEVATORS AND ESCALATORS.
- THIS PROJECT INCLUDES ALL ELEVATOR COMPONENT REMOVALS AND REPLACEMENTS, AS WELL AS THE MECHANICAL, ELECTRICAL, AND GENERAL CONSTRUCTION WORK REQUIRED TO SUPPORT THE WORK SHOWN.
- RECORD DRAWINGS: MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS DENOTING ANY FIELD CHANGES WHICH ARE MADE AS THE WORK PROGRESSES. PROVIDE THIS DRAWING SET TO THE ENGINEER AT THE COMPLETION OF THE PROJECT FOR REPRODUCTION.
- BUILDING PERMIT: CONTRACTOR SHALL OBTAIN A BUILDING PERMIT BEFORE COMMENCING WORK. CONTRACTOR SHALL PAY ALL PERMIT EXPENSES. PROVIDE CITY OF SYRACUSE ELEVATOR INSPECTION AND CERTIFICATE. PAY ALL FEES.
- ALL CUTTING AND PATCHING SHOWN ON THE DRAWINGS ARE THE RESPONSIBILITY OF THE PRIME CONTRACTOR.

Reference Drawings

- LAW SCHOOL ADDITIONS & ALTERATIONS
CORNELL UNIVERSITY, ITHACA, NY
SHEPLEY BULFINCH RICHARDSON AND ABBOTT ARCHITECTS,
MAR 16, 1987

Datum:

DATUM FOR THIS PROJECT IS USGS.

Abbreviations:

C.O.P.	CAR OPERATING PANEL
P.I.	POSITION INDICATOR
F.A.	FIRE ALARM
D.B.G.	DISTANCE BETWEEN GUIDES
V.V.F.	VARIABLE VOLTAGE, VARIABLE FREQUENCY

Elevator Scope of Work

- REMOVE AND DISCARD THE EXISTING MYRON TAYLOR JANE FOSTER HALL ELEVATOR CONTROLLERS, TANK/PUMP UNITS, HYDRAULIC CYLINDERS, HOISTWAY LIMIT SWITCHES AND WIRING, TRAVELERS, CAR AND HALL FIXTURES, DOOR OPERATORS, ELEVATOR INTERIOR FINISHES, ETC.
- PROVIDE NEW ELEVATOR CONTROLLERS, TANK/PUMP UNITS, HYDRAULIC CYLINDERS, DOOR OPERATORS, HOISTWAY LIMIT SWITCHES AND WIRING, TRAVELERS, CAR AND HALL FIXTURES, ELEVATOR INTERIOR FINISHES, ETC.
- PROVIDE ALL WORK NECESSARY TO OBTAIN A FULLY OPERATIONAL ELEVATOR SYSTEM INSPECTED AND ACCEPTED BY THE CITY OF ITHACA ELEVATOR INSPECTOR WITH NO VIOLATIONS.
- THE WORK OF THIS PROJECT SHALL BE THE WORK OF ONE SINGLE PRIME CONTRACTOR, WHO SHALL EMPLOY SUITABLE SUBCONTRACTORS FOR THE WORK OF VARIOUS TRADES. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE VERIFY THAT EACH SUBCONTRACTOR AND THE PRIME CONTRACTOR HAVE OBTAINED THE APPROPRIATE MUNICIPAL PERMITS TO COMPLETE THE PROJECT AND OBTAIN FINAL ACCEPTANCE.
- THE PROPOSED PASSENGER ELEVATORS SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
- THE PROPOSED ELEVATORS SHALL BE PROVIDED WITH PHASE 1 RECALL AND PHASE 2 FIREFIGHTERS SERVICE.

Alternates:

THERE ARE NO ALTERNATES FOR THIS PROJECT

Disposal Note

IN THIS CONTRACT, EQUIPMENT NOTED AS TO BE DISCARDED SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR, CLEANED OF ALL RESIDUAL LUBRICANTS, AND RECYCLED TO THE GREATEST EXTENT POSSIBLE. DISPOSE OF ALL LUBRICANTS AND MATERIALS IN ACCORDANCE WITH BEST PRACTICES AND ALL ENVIRONMENTAL REGULATIONS.

Project Phasing Plan

- THROUGHOUT THE DURATION OF THE PROJECT, THE BUILDING WILL BE FULLY OCCUPIED. ALL WORK SHALL BE PHASED IN ACCORDANCE WITH THE OWNER'S NEEDS AS DETAILED BELOW.
- AT NO TIME DURING THE PERIOD OF PROJECT CONSTRUCTION SHALL BOTH ELEVATORS BE OUT OF SERVICE AT THE SAME TIME WITHOUT NOTIFICATION IN WRITING A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF THE PROPOSED OUTAGE.
- DURING THE PERIODS OF DECEMBER 18, 2026 THRU JANUARY 19TH, 2027 AND MAY 14, 2027 THRU AUGUST 16, 2027 CONTRACTOR WORK HOURS ARE UNLIMITED. DURING THE PERIOD OF APRIL 29, 2027 THRU MAY 14, 2027 NO WORK IS PERMITTED ON-SITE. AT ALL OTHER TIMES, HEAVY NOISE PRODUCING WORK SHALL OCCUR PRIOR TO 9:00AM OR AFTER 4:00PM, OR AS COORDINATED IN ADVANCE WITH THE OWNER.
- CONTRACTOR SHALL CONFORM TO THE PROJECT SCHEDULE INDICATED BELOW:

ENGINEERING, SHOP DRAWINGS, MATERIAL PROCUREMENT IMMEDIATELY UPON NOTICE TO PROCEED
PHASE 1 CONSTRUCTION - WINTER 2026/SPRING 2027
WEDNESDAY, DECEMBER 18, 2026 CONTRACTOR PHYSICAL START ON SITE ELEVATOR 2 OUT OF SERVICE
3:30 PM, THURSDAY, APRIL 29, 2027 ELEVATOR 2 COMPLETE, INSPECTED, AND IN SERVICE
PHASE 2 CONSTRUCTION - SUMMER 2027
MAY 14, 2027 ELEVATOR 1 OUT OF SERVICE
MONDAY, AUGUST 9, 2027 ELEVATOR 1 COMPLETE, INSPECTED, AND IN SERVICE
3:30 PM, FRIDAY, AUGUST 20, 2027 PUNCHLIST COMPLETE AND CONTRACTOR OFF SITE

- CONTRACTORS SHALL PROVIDE ALL NECESSARY OVERTIME, EARLY PROCUREMENT/QUICK SHIPMENTS, ETC REQUIRED TO MEET THE DATES INDICATED ABOVE.

ELEVATOR SCHEDULE													
CAR #	EQUIPMENT	DATA				MINIMUM CLEAR DIMENSIONS				MACHINE TYPE	BASIS OF DESIGN		
		TOTAL RISE	STOPS	OPENING WIDTH	SPEED	CAPACITY	HOISTWAY DEPTH	HOISTWAY WIDTH	PIT DEPTH			OVERHEAD CLEARANCE	CAR DOOR
①	EXISTING PASSENGER ELEVATOR	44'-2-3/4"	5	5 F 0 R	100 FPM*	3000 LB	8'-4"	7'-3"	4'-0"	12'-6"	3'-6" X 7'-0" SSCO	HOLED HYDRAULIC	CUSTOM NON-PROPRIETARY: MCE CONTROLLER, MEI TANK/PUMP UNIT W/MO PUMP AND IMPERIAL ELECTRIC MOTOR, PTL FIXTURES, GAL DOOR HARDWARE
②	EXISTING PASSENGER ELEVATOR	54'-3-3/4"	6	6 F 6 R	100 FPM*	3500 LB	7'-10"	7'-3"	4'-0"	12'-6"	3'-0" X 6'-8" SSCO	HOLED HYDRAULIC	CUSTOM NON-PROPRIETARY: MCE CONTROLLER, MEI TANK/PUMP UNIT W/MO PUMP AND IMPERIAL ELECTRIC MOTOR, PTL FIXTURES, GAL DOOR HARDWARE

* CONTRACTOR TO NOTE REDUCTION IN SPEED FROM EXISTING 150 FPM

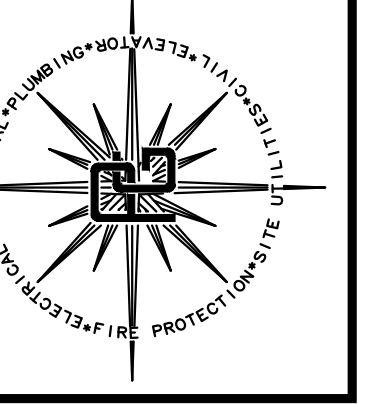
ELEVATOR FINISH SCHEDULE									
CAR #	EQUIPMENT	DATA							REMARKS
		WALLS	CEILING	LIGHTING	HOISTWAY DOORS AND FRAMES	CAR DOORS	FIXTURES AND HANDRAILS	FLOORING	
①	EXISTING PASSENGER ELEVATORS	HORIZONTALLY APPLIED PANELS; PLASTIC LAMINATE UPPER; TEXTURED STAINLESS STEEL LOWER	SUSPENDED ISLAND STYLE, STAINLESS STEEL FINISH	PERIMETER COVE TYPE LED	EXISTING TO REMAIN	#4 STAINLESS STEEL	#4 STAINLESS STEEL	1/8" RUBBER SHEET GOODS	ENGRAVED FIRE SERVICE INSTRUCTIONS AND PICTOGRAPHS. DIGITAL P.I. IN COP AND HALL LANTERNS.

NOTES:

- ALL INTERIOR CAR FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF ASME A17.1, 2016 EDITION, 2.14.2. SPECIFICALLY NOTE THE REQUIREMENTS THAT ALL MATERIALS SHALL HAVE A FLAME SPREAD OF 0-75 AND SMOKE DEVELOPMENT 0-450 EXCEPT AS STATED THEREIN. FLOOR COVERINGS SHALL HAVE A CRITICAL RADIANT FLUX OF NOT LESS THAN .45 W/CM².

ELEVATOR SECURITY SCHEDULE								
CAR #	LOCATIONS			SECURED FUNCTIONS		SCHEDULE		REMARKS
	CAR CARD READER	HALL CARD READERS FRONT	REAR	CAR CARD READER	HALL CARD READERS	CAR CARD READER	HALL CARD READERS	
①	NO	N/A	N/A	N/A	N/A	N/A	N/A	
②	YES	N/A	N/A	FOURTH FLOOR FRONT CALL	N/A	SECURED 24/7	N/A	CAR READERS PROVIDED BY DIV 28. READERS IN CARS INSTALLED/WIRED BY DIV 14. DIV 14 SHALL PROVIDE TERMINAL STRIP IN CONTROLLER FOR TERMINATION OF ALL CAR READER AND SECURITY SYSTEM DRY CONTACT WIRING.

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NYS PE LICENSE # 082424
Registered Through 06/30/2028

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TITLE SHEET
CORNELL UNIVERSITY
MYRON TAYLOR JANE FOSTER
ELEVATOR MODERNIZATION 2026

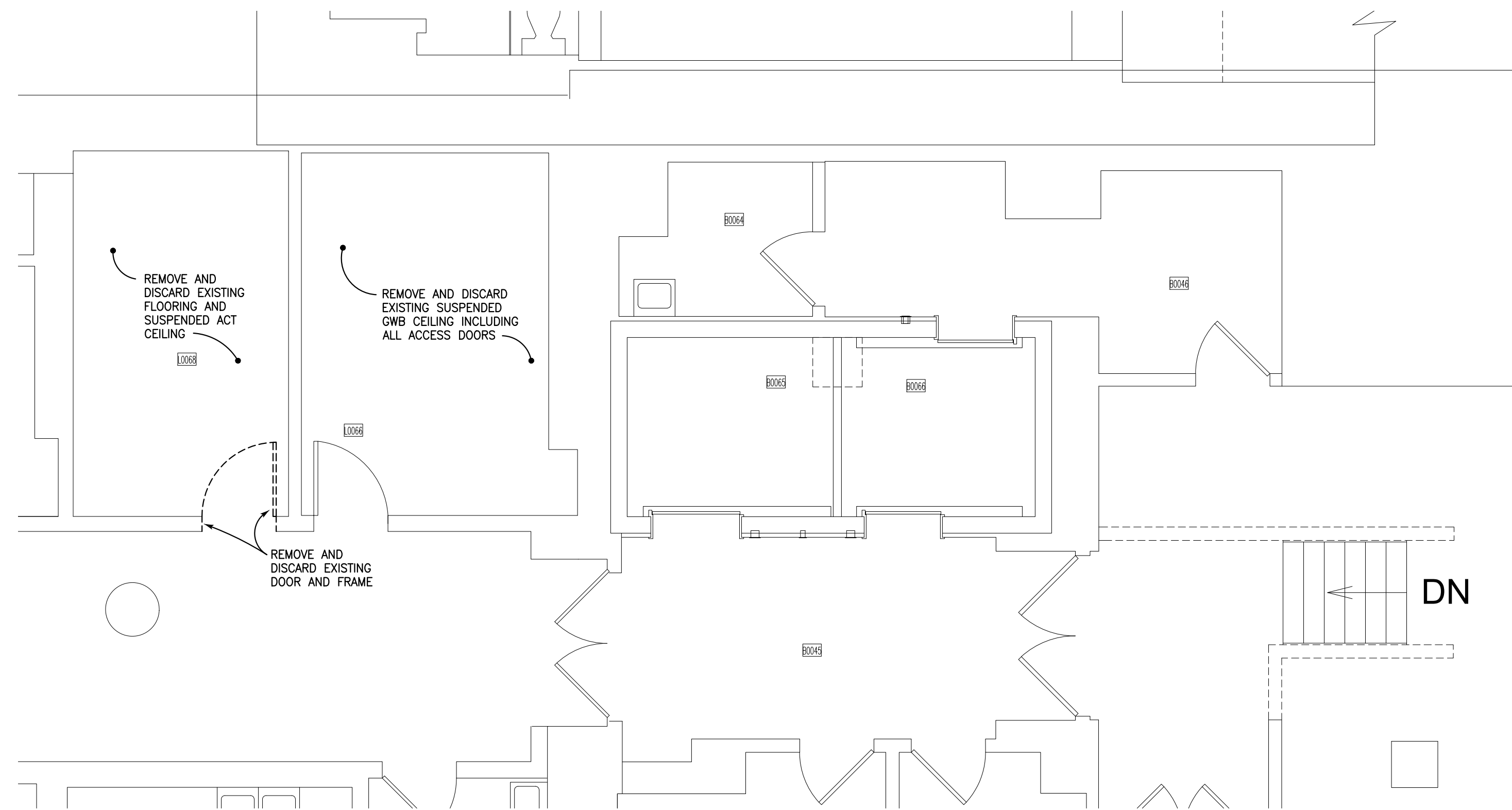
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Checked	C.E. LOOMIS, PE

Project No.	CORNELL 12652 / PGPC 950001
Drawing No.	T100

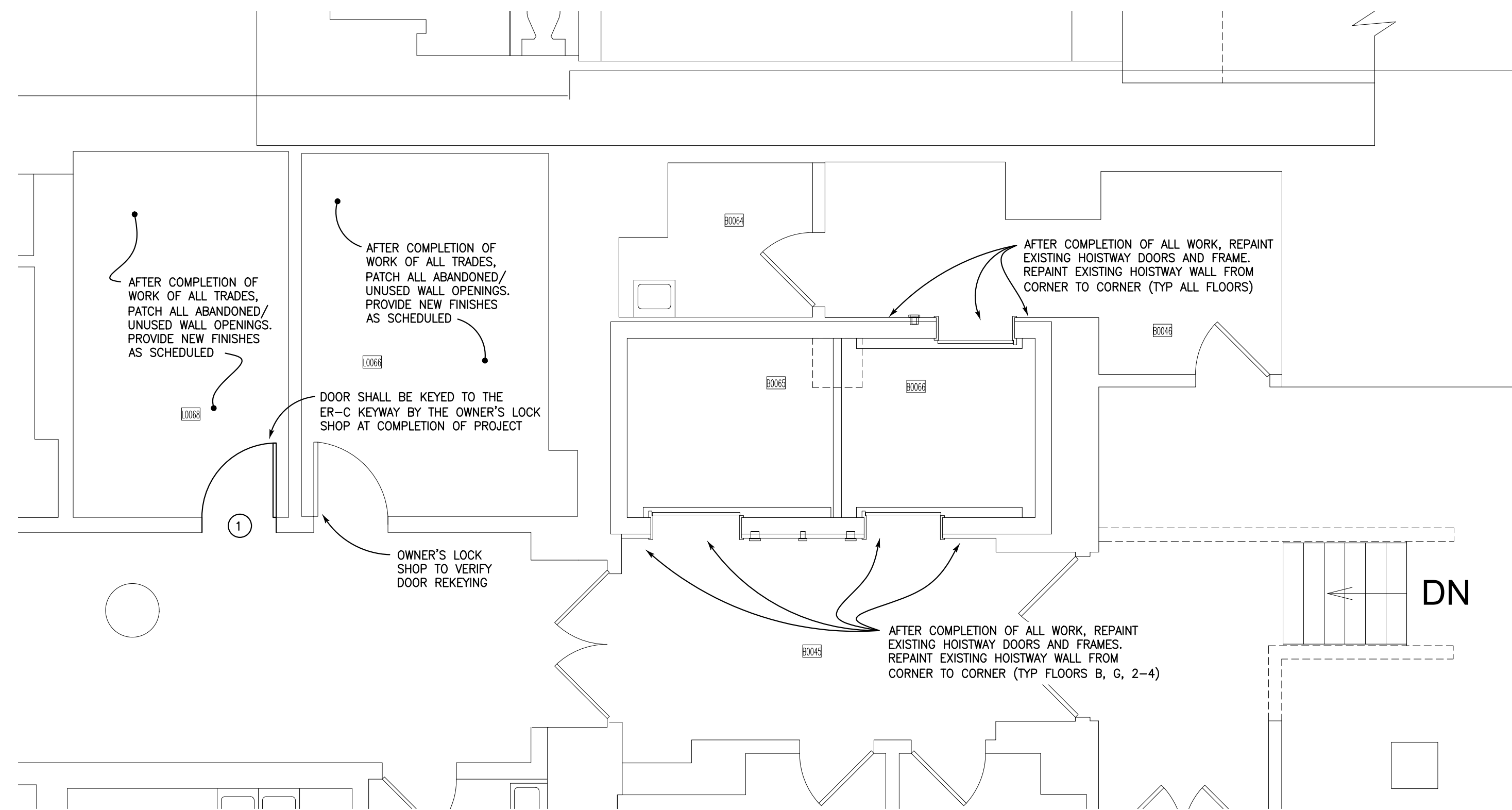
T100

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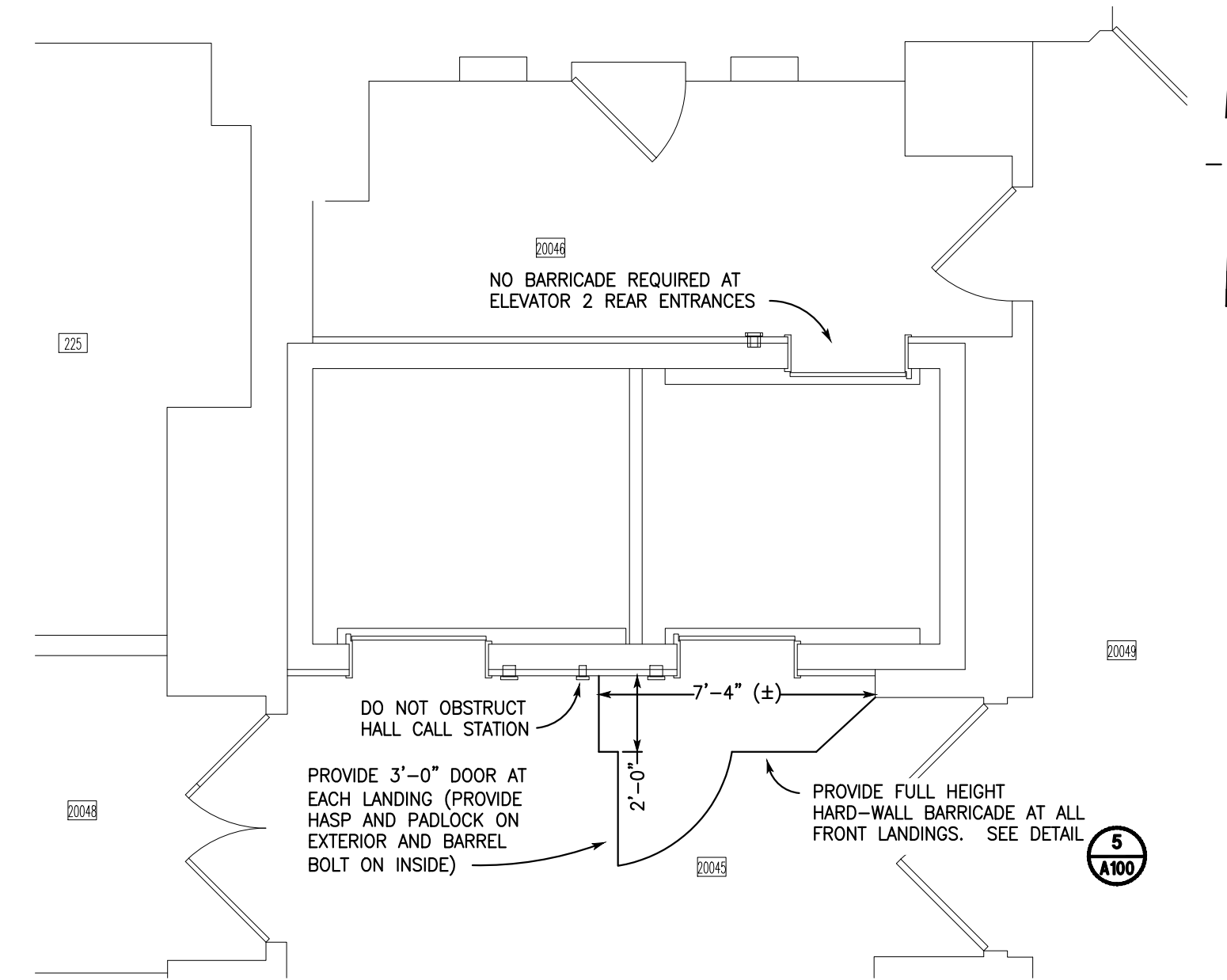
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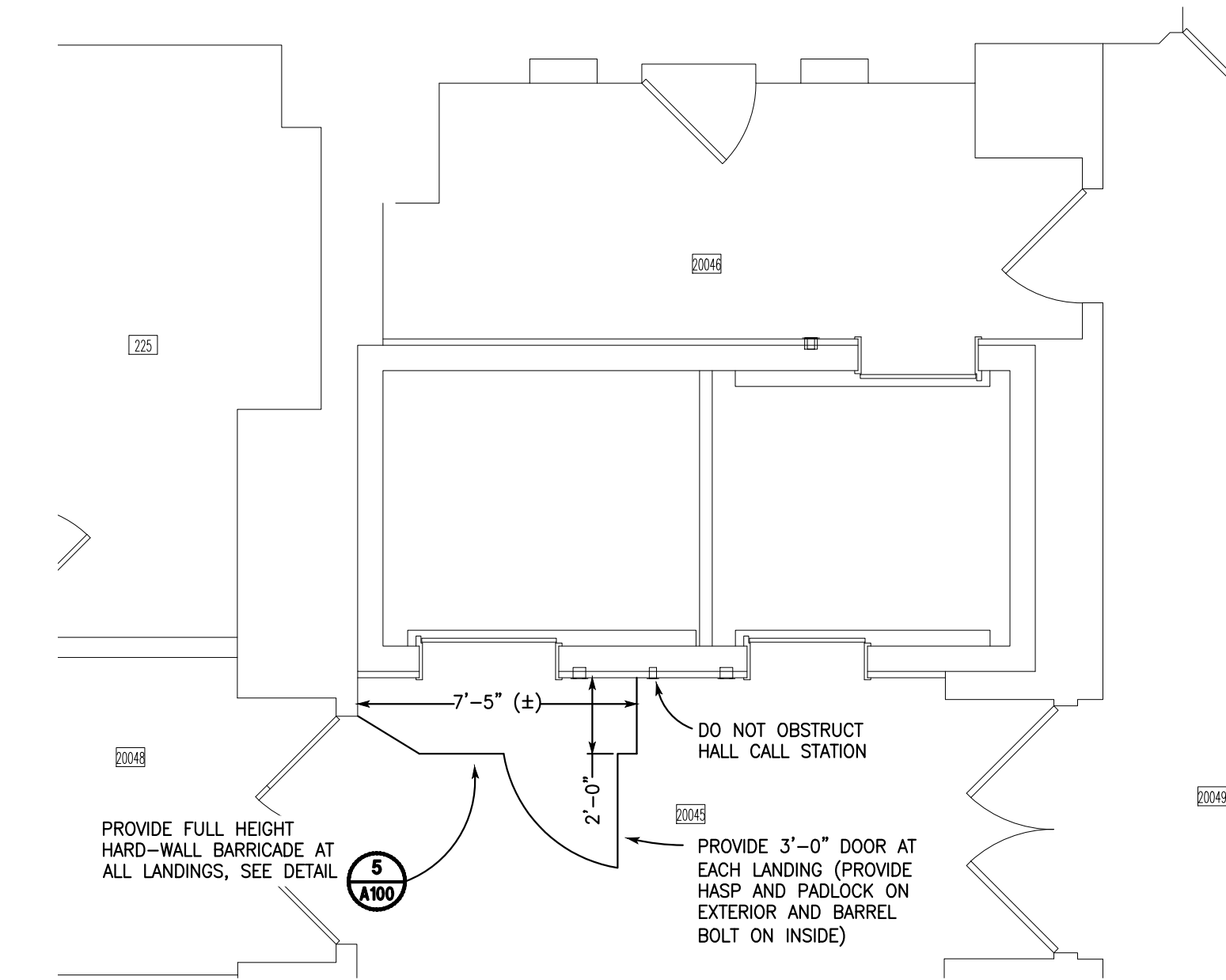
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A100 SCALE: 1/4" = 1'-0"



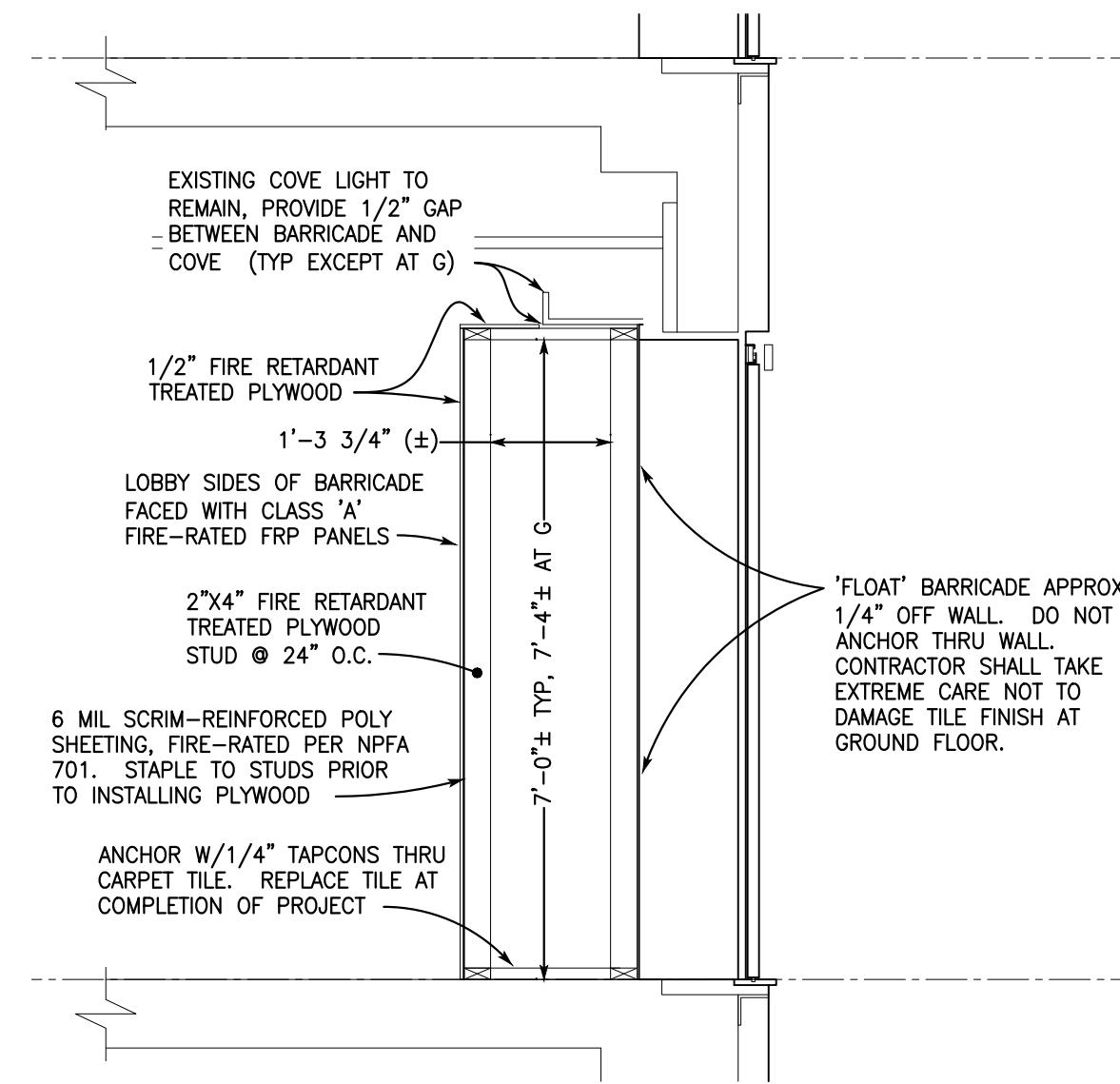
2 PARTIAL BASEMENT PLAN
A100 SCALE: 1/4" = 1'-0"



3 TYPICAL FLOOR BARRICADE PLAN - PHASE 1
A100 SCALE: 1/4" = 1'-0"



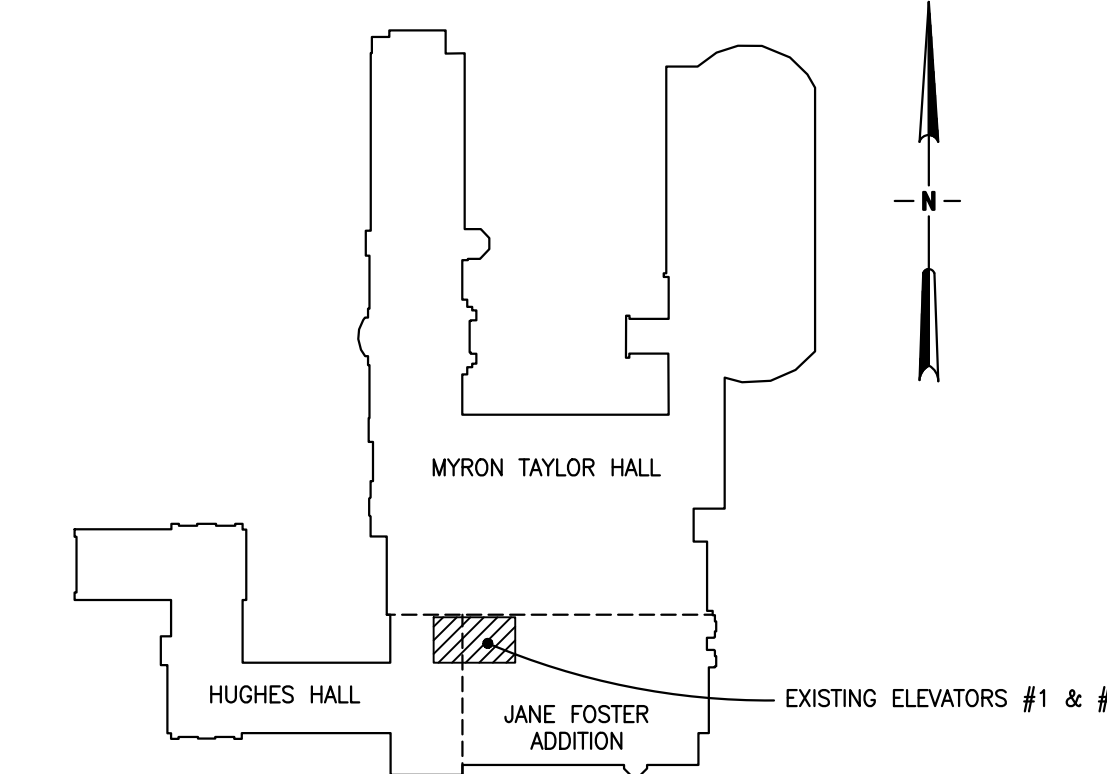
4 TYPICAL FLOOR BARRICADE PLAN - PHASE 2
A100 SCALE: 1/4" = 1'-0"



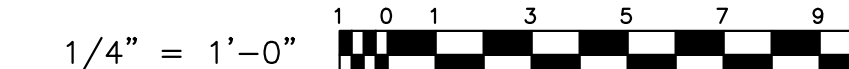
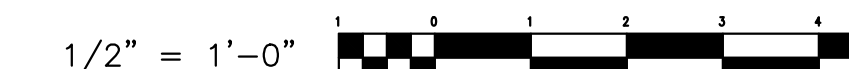
5 HARDWALL BARRICADE DETAIL
A100 SCALE: 1/2" = 1'-0"

ROOM FINISH SCHEDULE								
ROOM #	ROOM NAME	FLOORS		BASE	WALLS		CEILING	REMARKS
		MATERIAL	FINISH		MATERIAL	FINISH		
L006B	STORAGE	CONCRETE	EPOXY PAINT	RUBBER	GWB	PAINT	NONE	NONE
L008B	ELEV MACHINE RM	CONCRETE	EPOXY PAINT	RUBBER	GWB/CONC	PAINT	NONE	NONE

DOOR SCHEDULE												
NO.	SIZE			RATING	TYPE	LOCATION	DOOR	HARDWARE SET (SEE SPECS)	FRAME	WEATHER-STRIPPING	THRESHOLD	REMARKS
	WIDE	HIGH	THICK									
1	3'-0"	7'-0"	1-3/4"	3/4 HOUR	HOLLOW METAL	ELEV MACH RM L008B	14 GAUGE GALVANIZED HOT-DIPPED, COLD ROLLED STEEL AS MANUFACTURED BY CECCO OR APPROVED EQUAL	1	H.M.	NO	NO	PROVIDE HOLLOW METAL FRAME WITH 2" HEAD DIMENSION FOR STUD WALL INSTALLATION



6 KEY PLAN
A100 NO TO SCALE



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Registered Through 06/30/2028

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ARCHITECTURAL PLANS
CORNELL UNIVERSITY
MYRON TAYLOR JANE FOSTER
ELEVATOR MODERNIZATION 2026

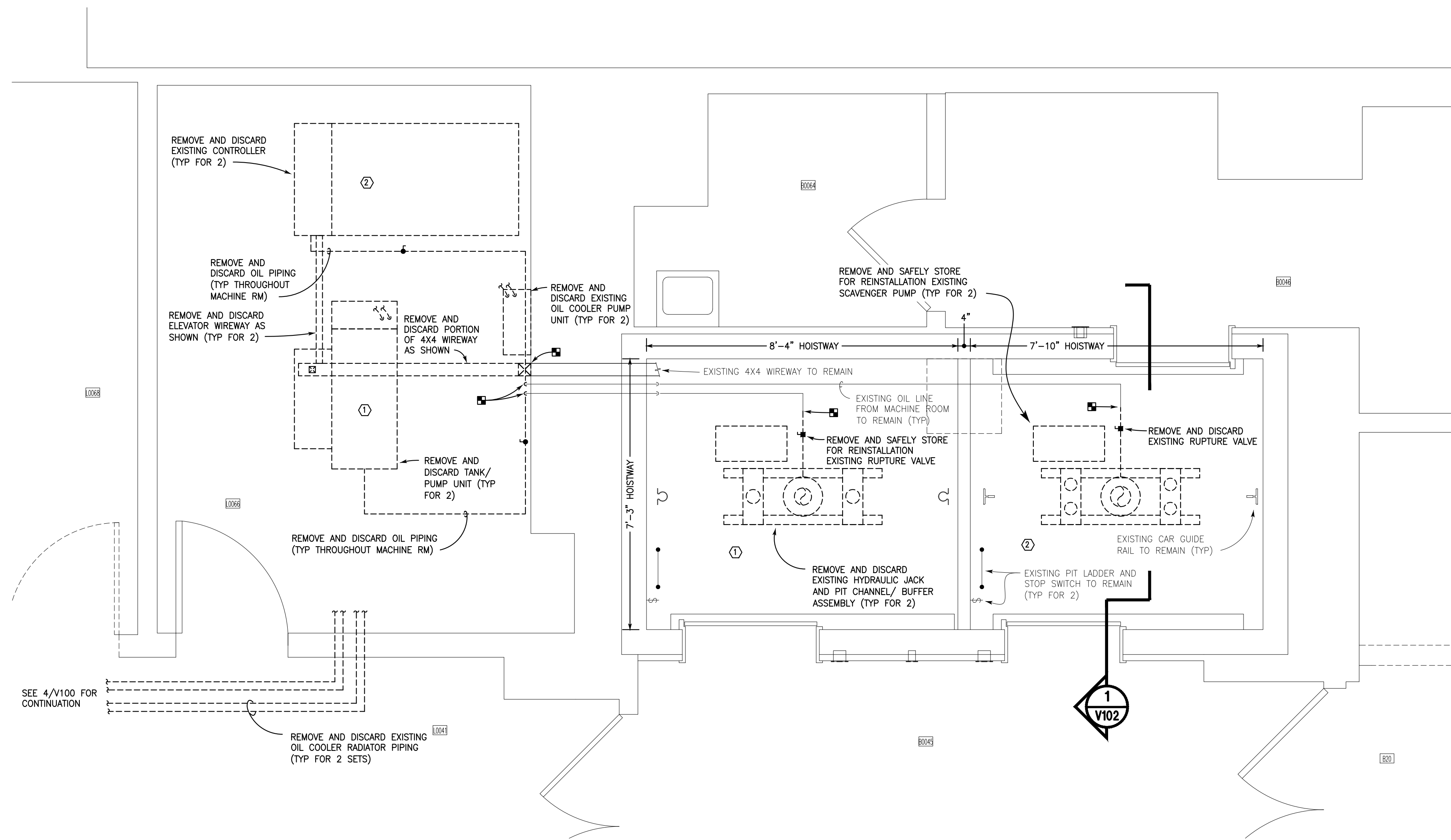
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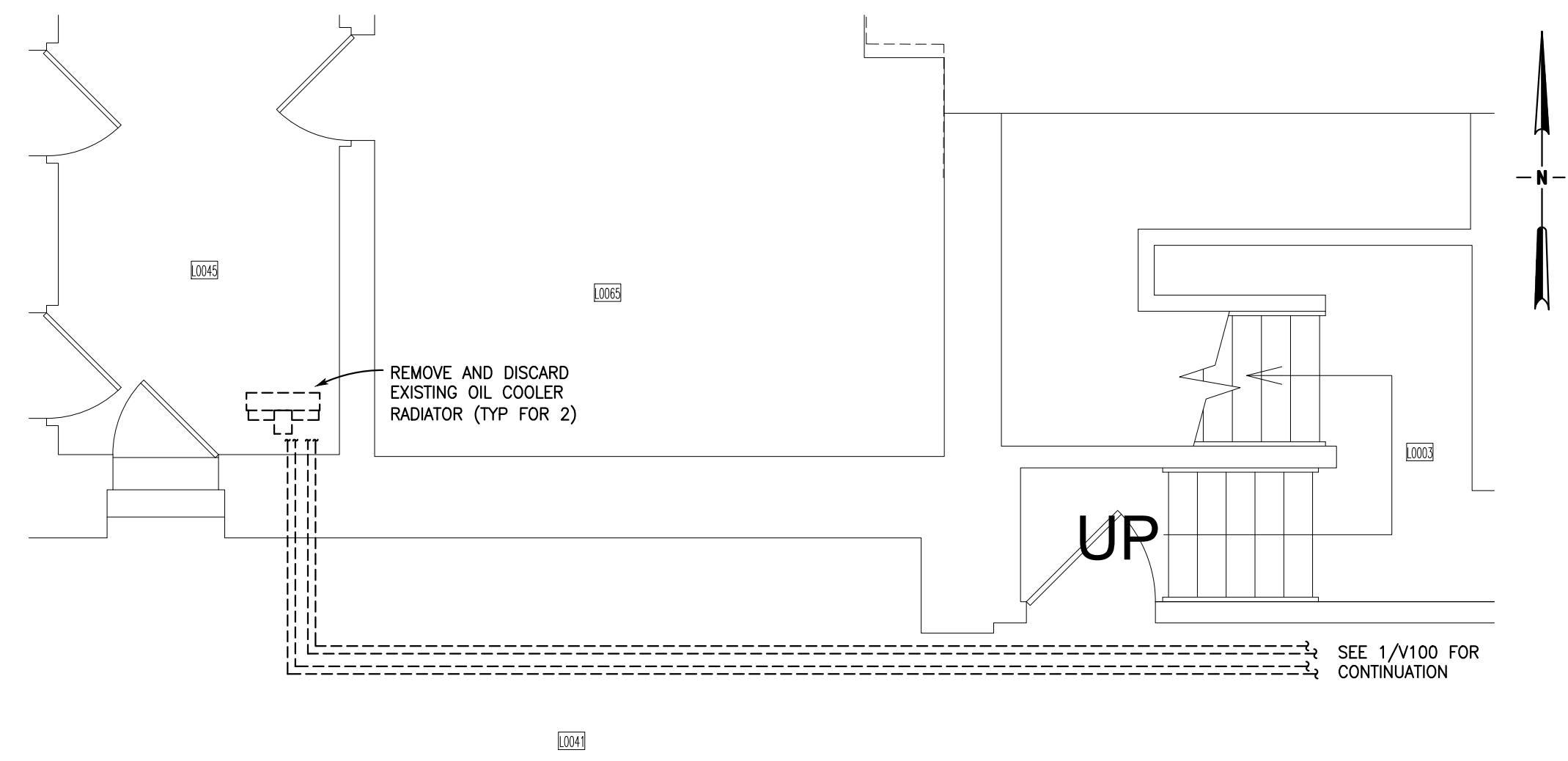
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CORNELL 12652 / PGPC 950001

Drawing No.
A100

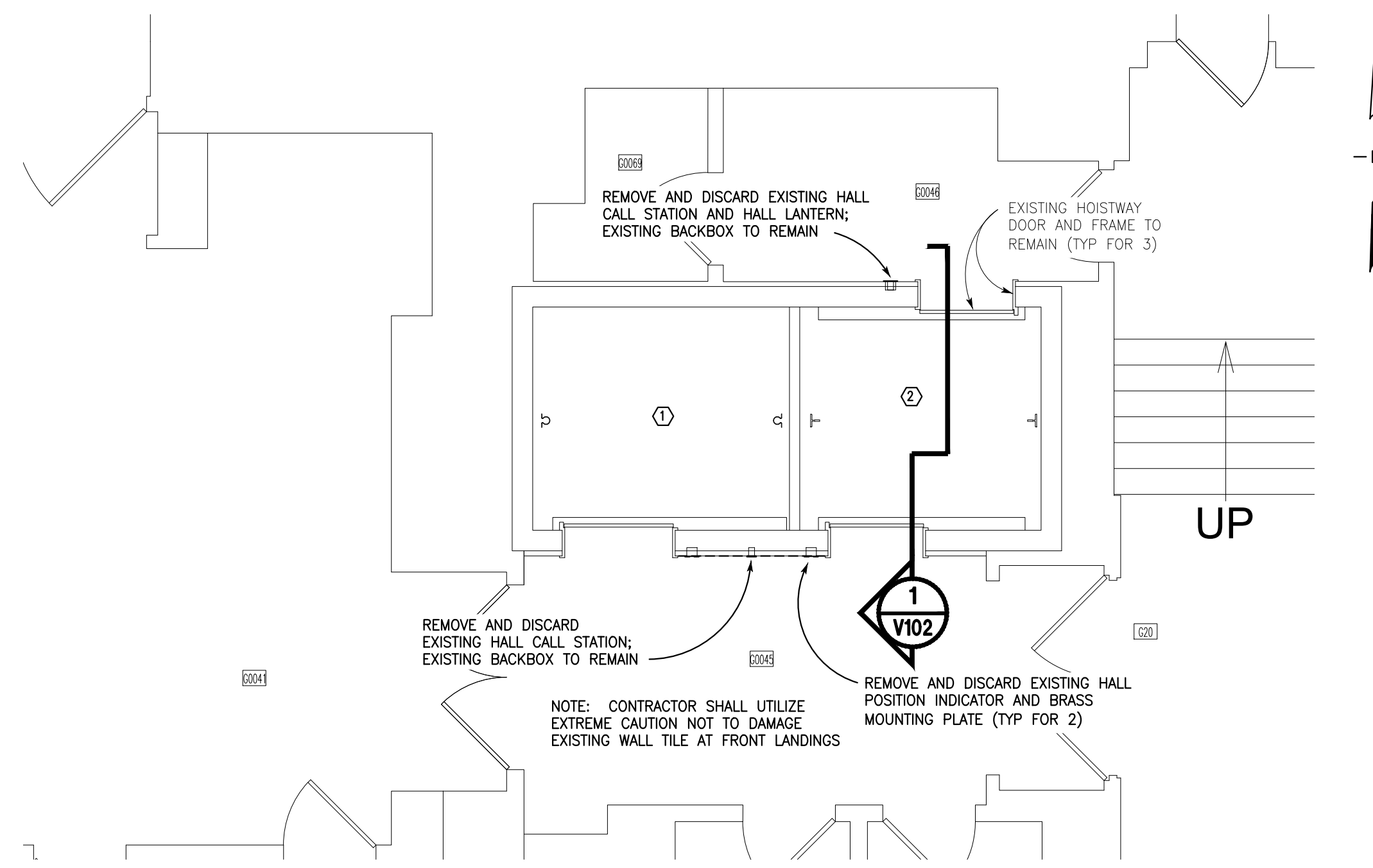
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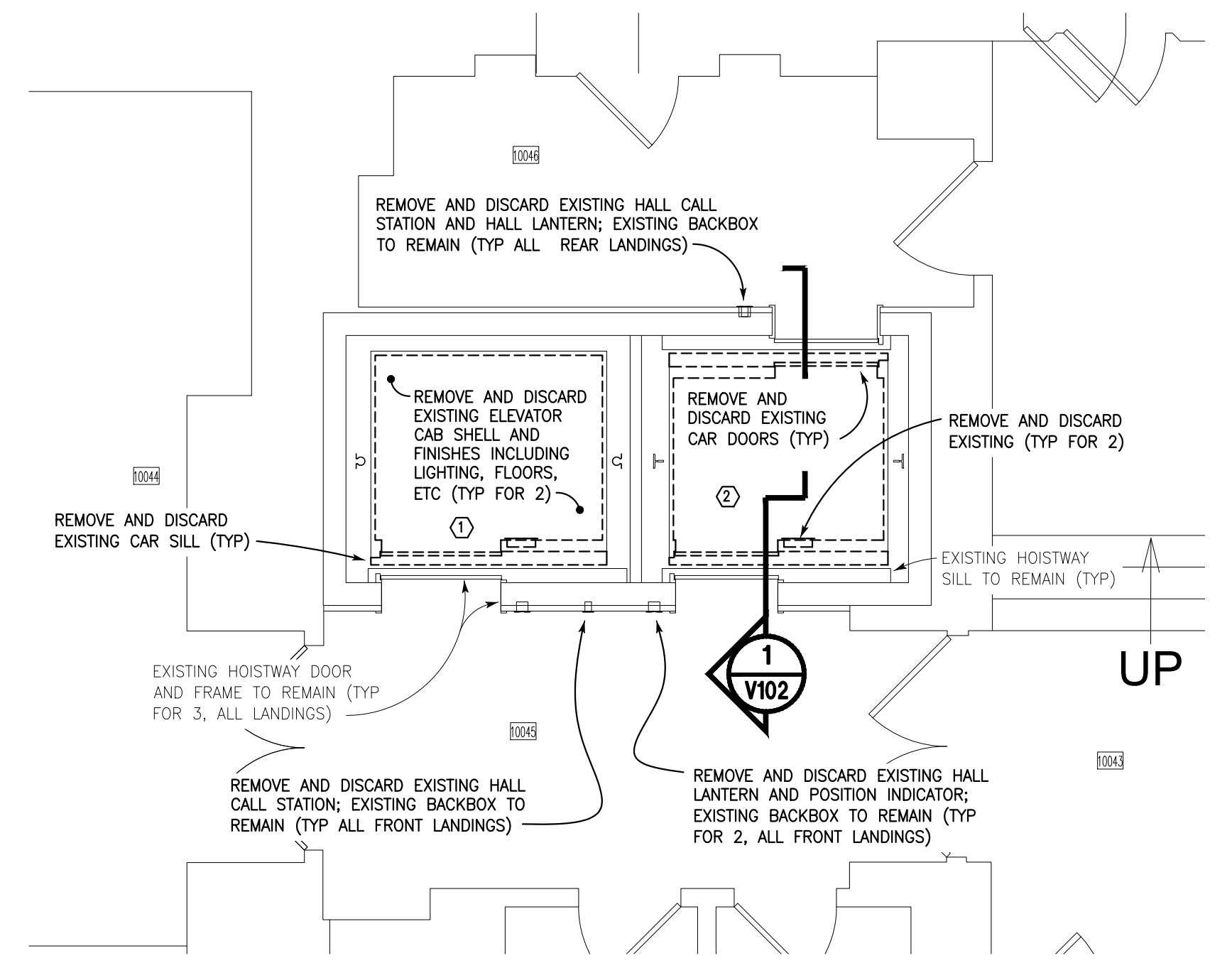
1 PARTIAL BASEMENT REMOVALS PLAN
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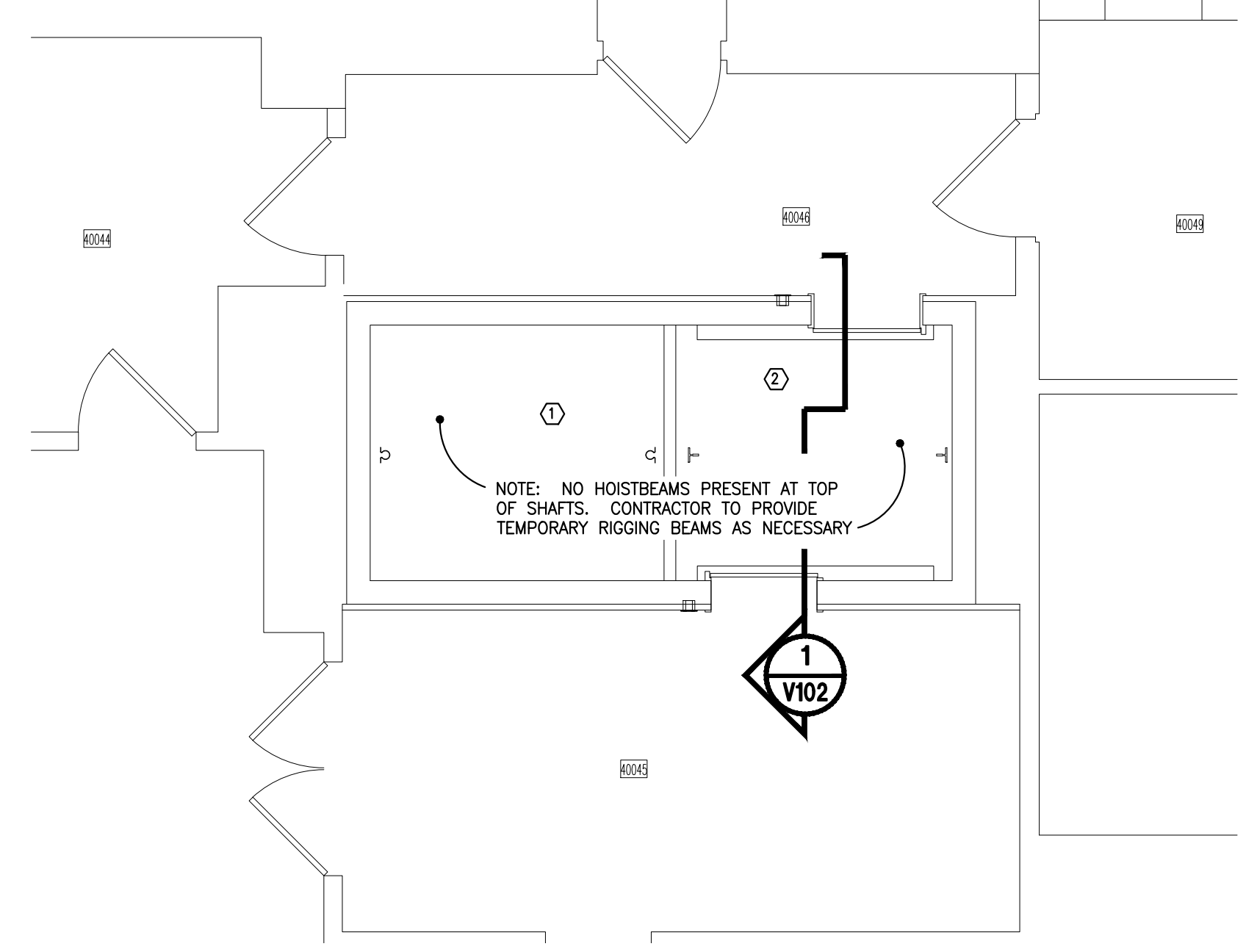
4 PARTIAL HUGHES HALL LEVEL L REMOVALS PLAN
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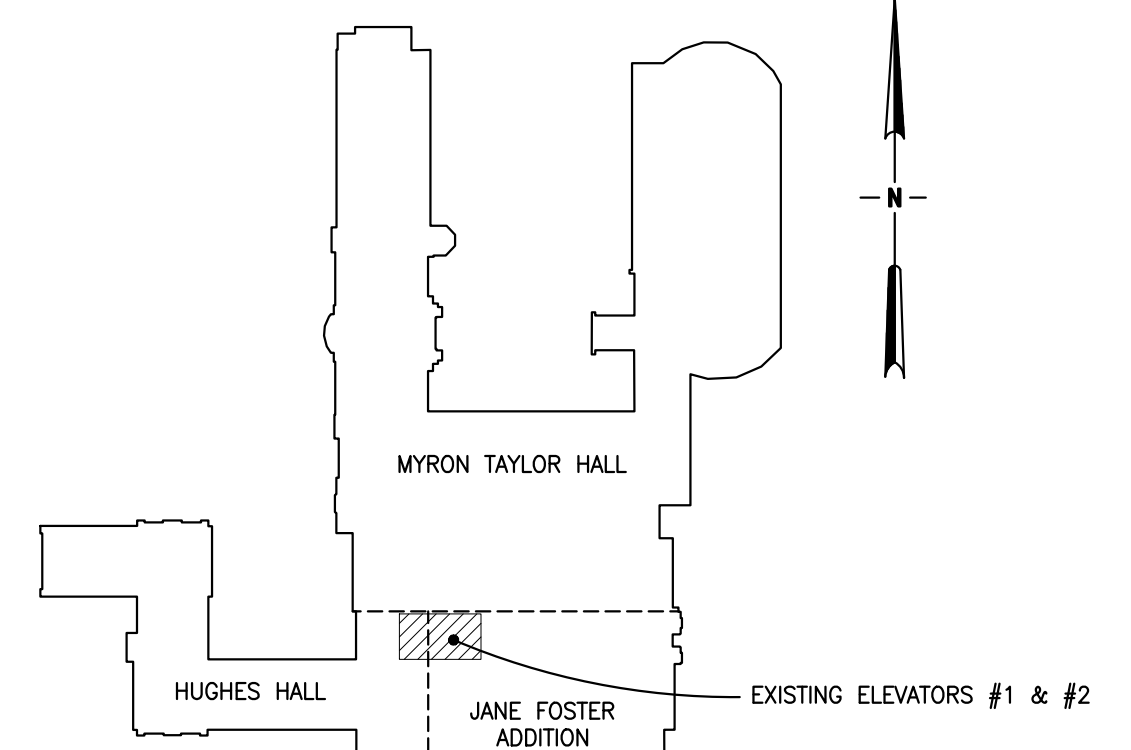
5 PARTIAL GROUND FLOOR REMOVALS PLAN
 SCALE: 1/4" = 1'-0"



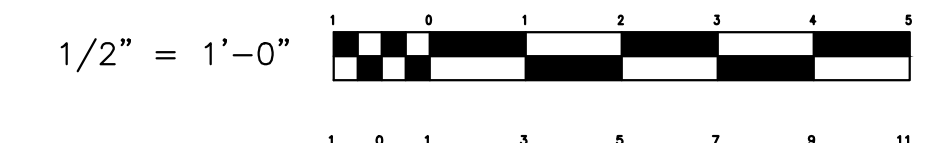
2 PARTIAL TYPICAL FLOOR REMOVALS PLAN
 SCALE: 1/4" = 1'-0"



3 PARTIAL FOURTH FLOOR REMOVAL PLAN
 SCALE: 1/4" = 1'-0"



6 KEY PLAN
 NO TO SCALE



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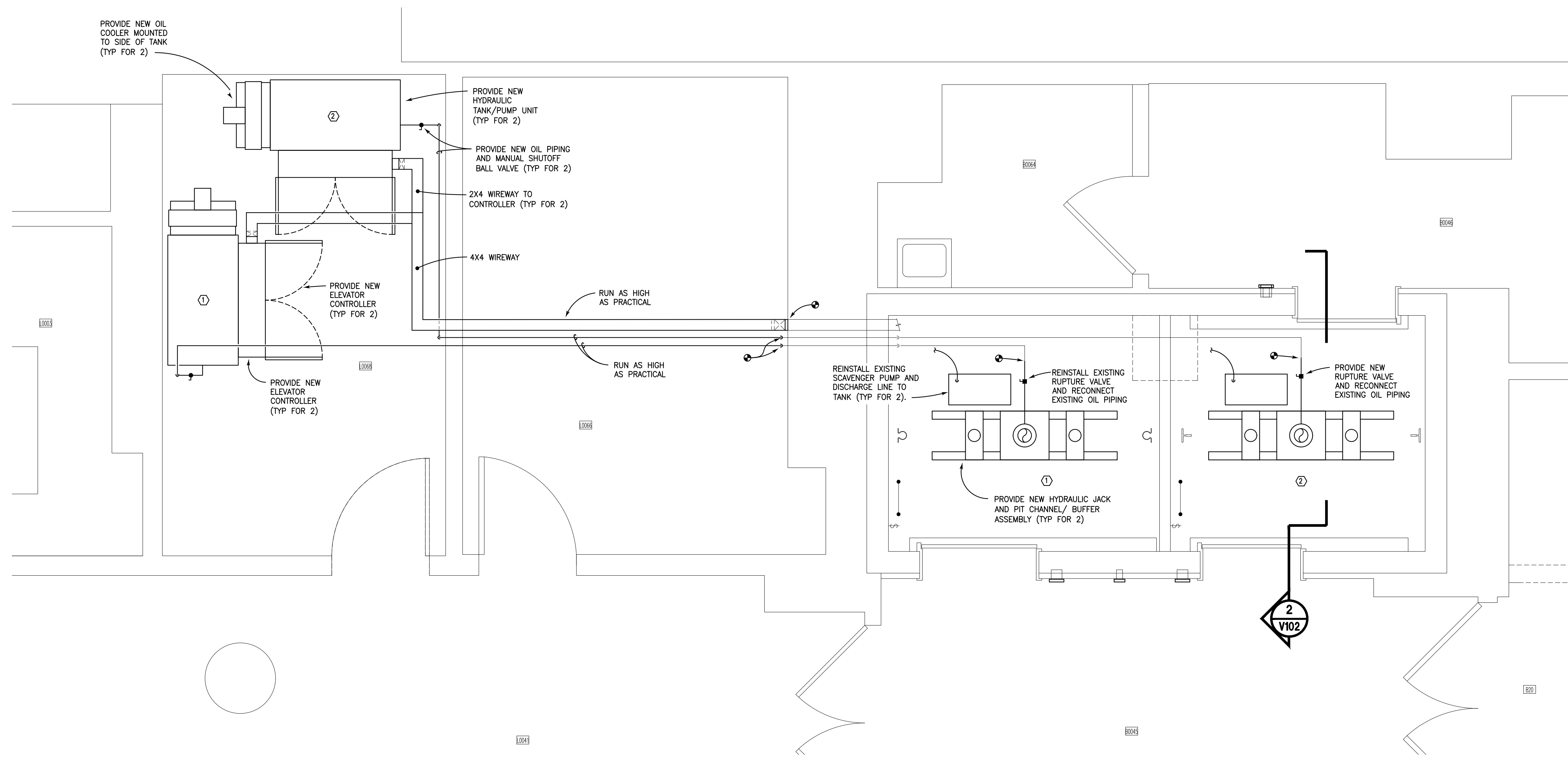
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ELEVATOR REMOVAL PLANS
CORNELL UNIVERSITY
 MYRON TAYLOR JANE FOSTER
 ELEVATOR MODERNIZATION 2026

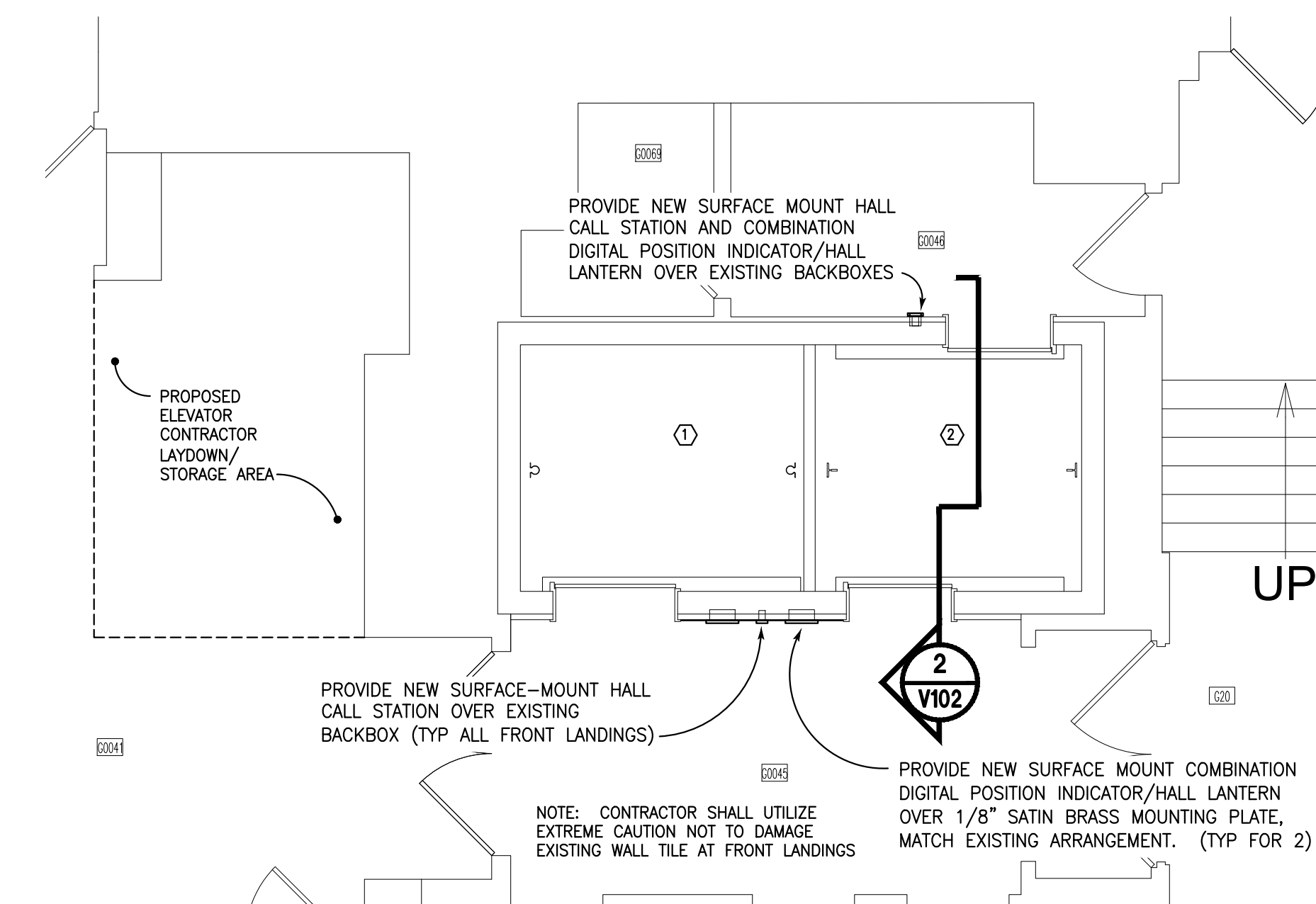
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Drawing No.	V100

V100

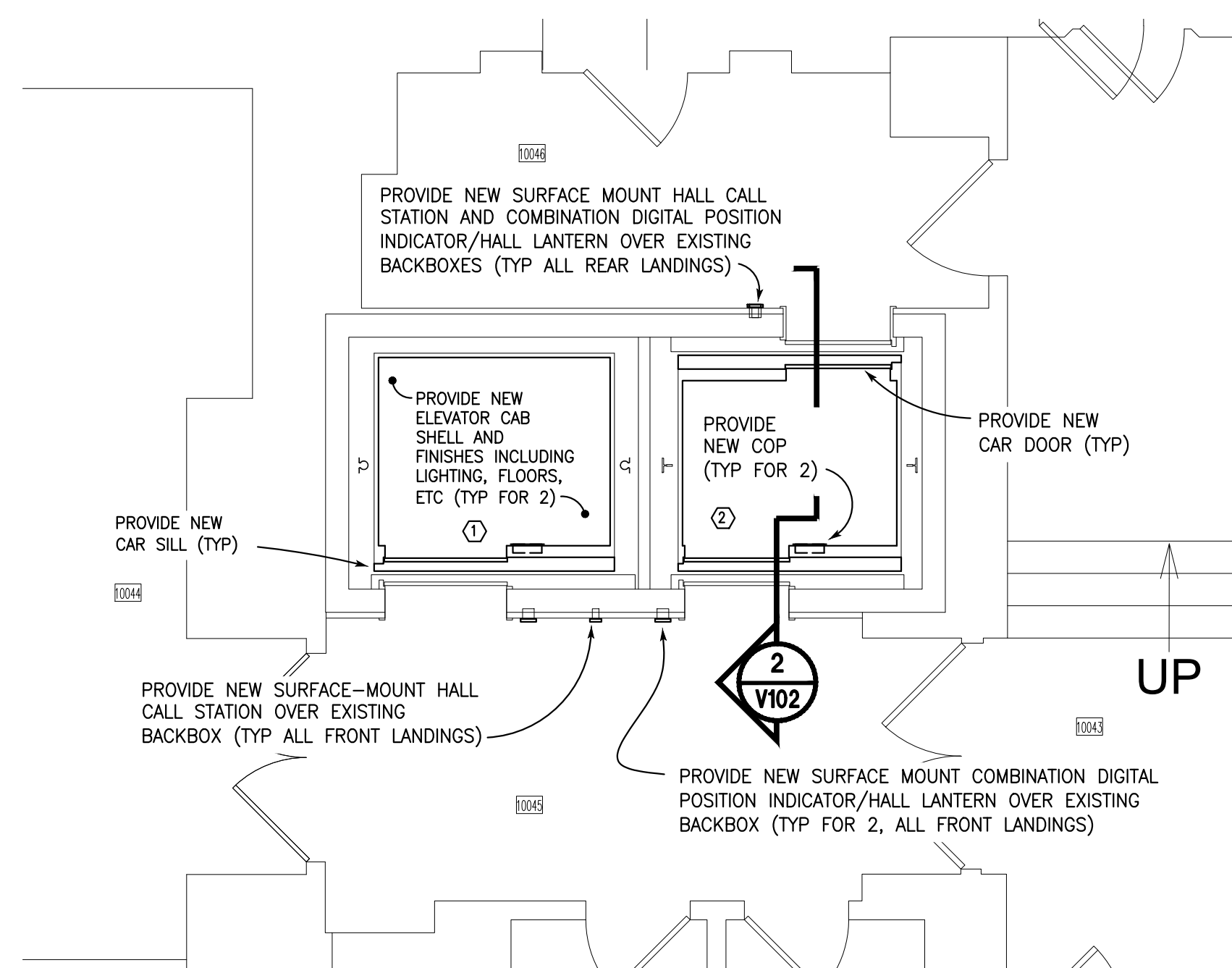
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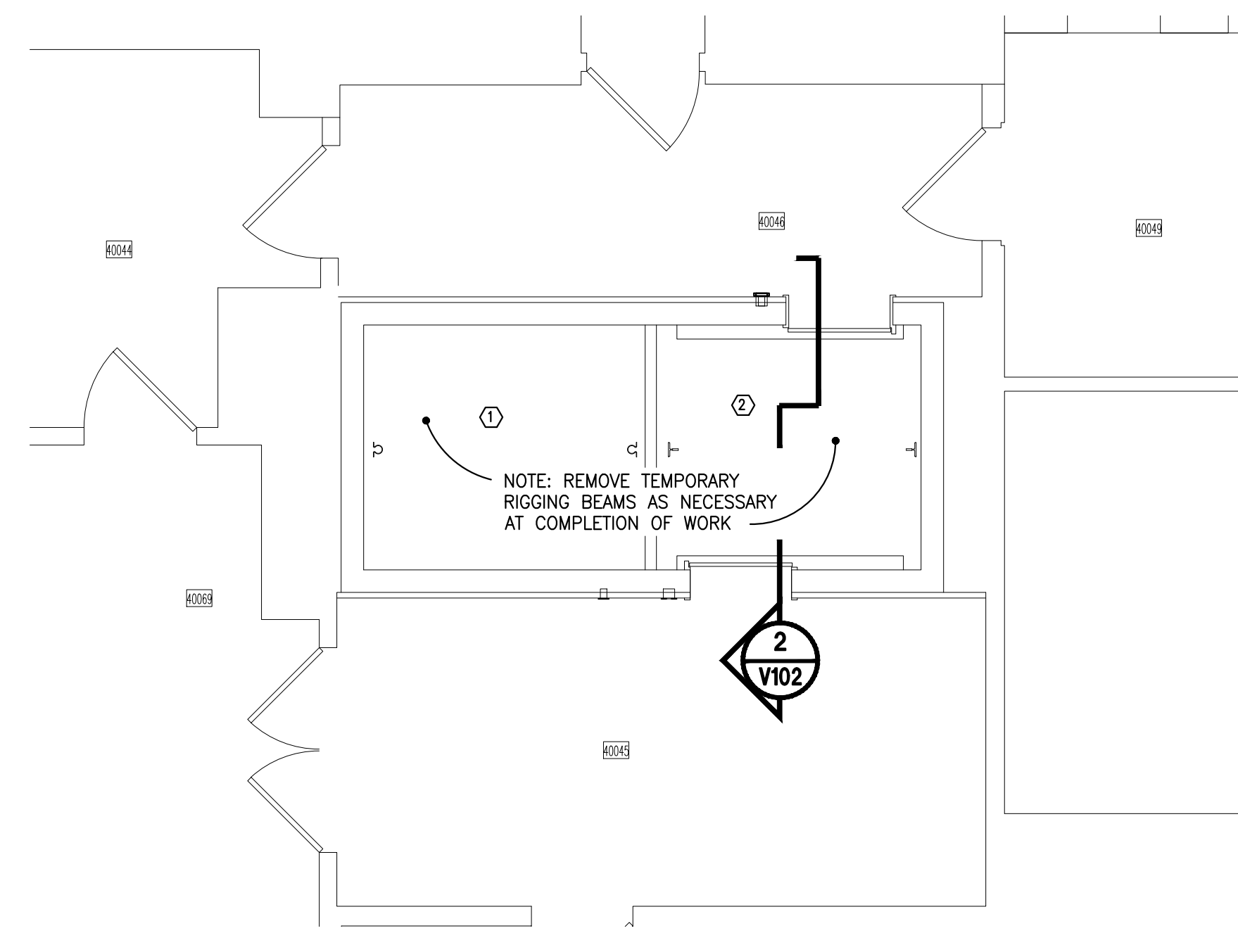
1 PARTIAL BASEMENT PLAN
 V101 SCALE: 1/2" = 1'-0"



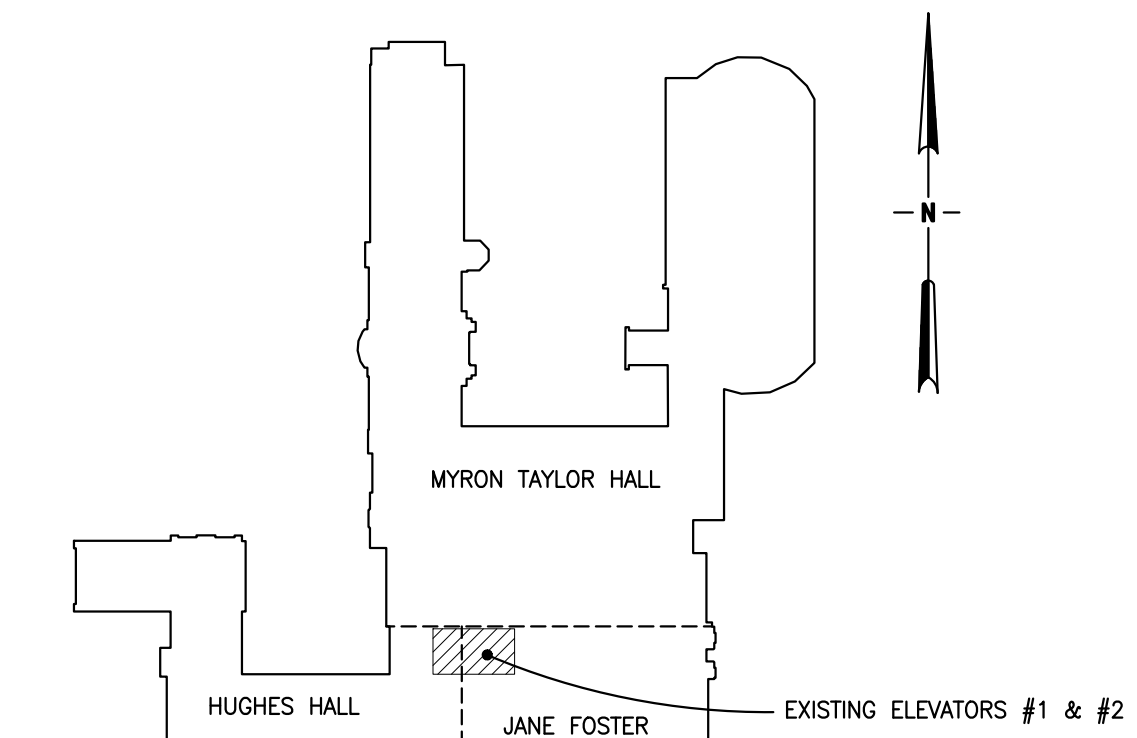
2 PARTIAL GROUND FLOOR PLAN
 V101 SCALE: 1/4" = 1'-0"



3 PARTIAL TYPICAL FLOOR PLAN
 V101 SCALE: 1/4" = 1'-0"



4 PARTIAL FOURTH FLOOR PLAN
 V101 SCALE: 1/4" = 1'-0"



5 KEY PLAN
 V101 NO TO SCALE

1/2" = 1'-0"

1/4" = 1'-0"

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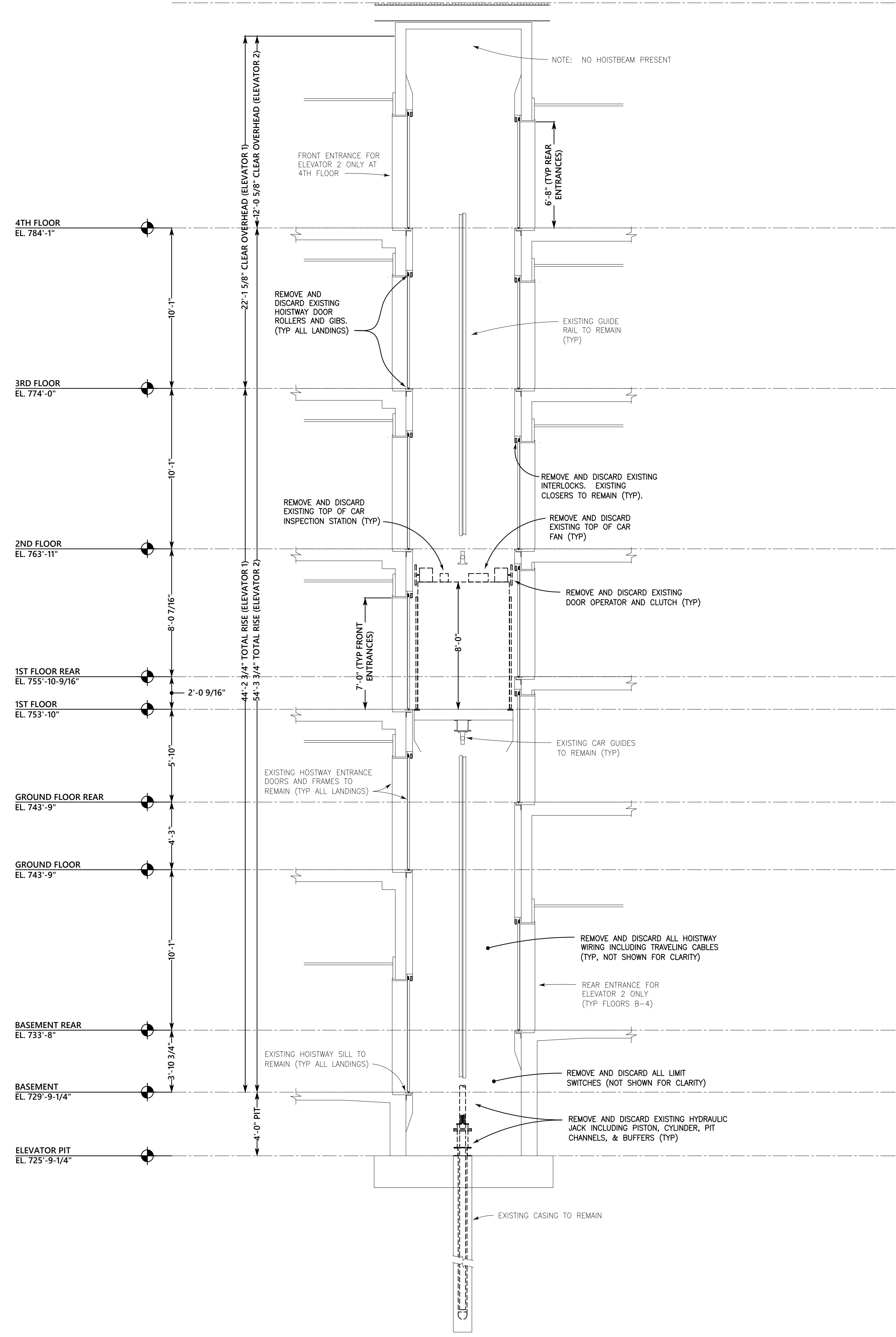
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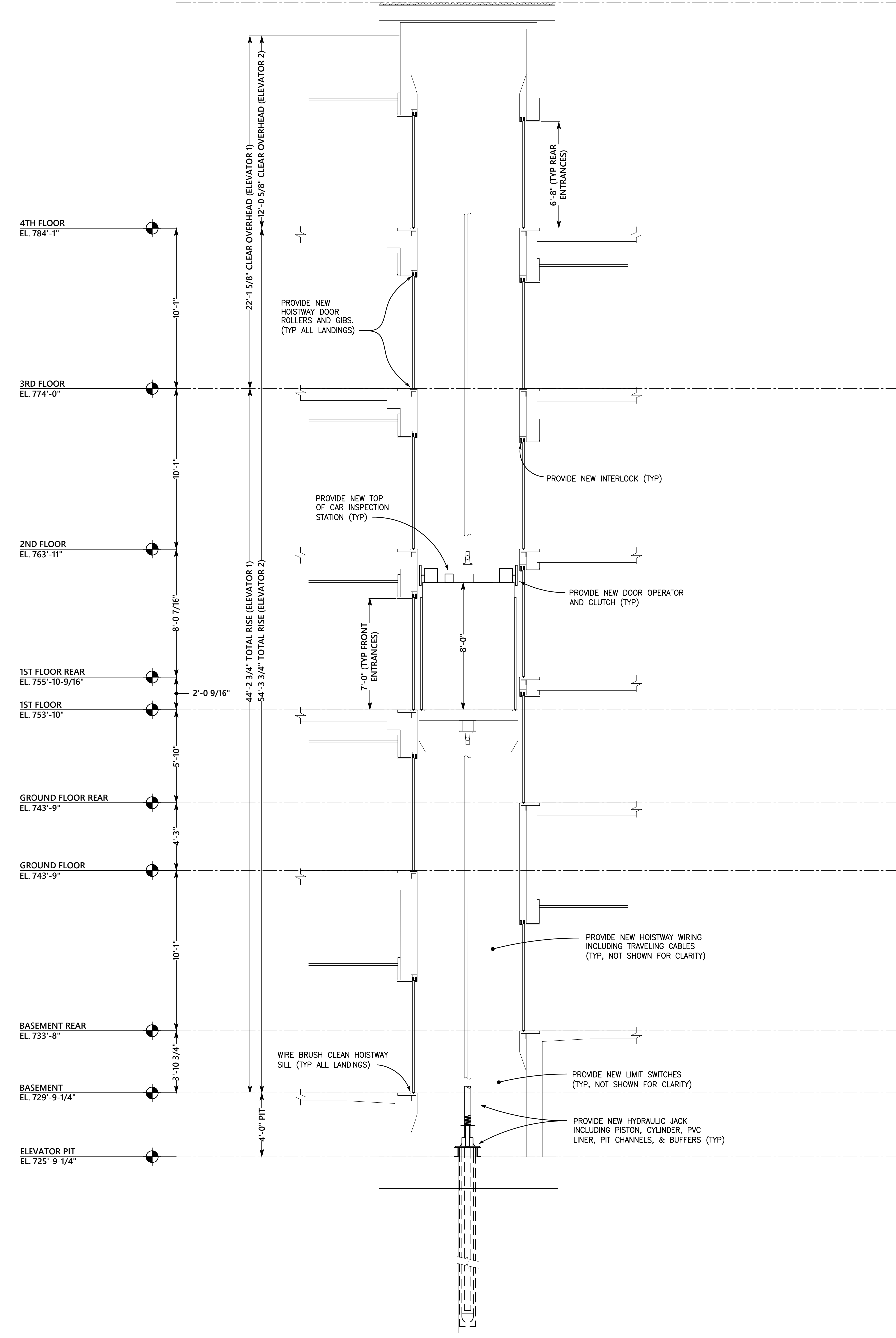
Drawing No.
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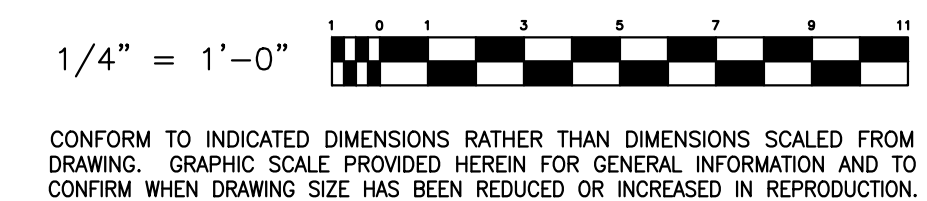
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1 SECTION- ELEVATOR HOISTWAY REMOVALS
SCALE: 1/4" = 1'-0"



2 SECTION - ELEVATOR HOISTWAY
SCALE: 1/4" = 1'-0"



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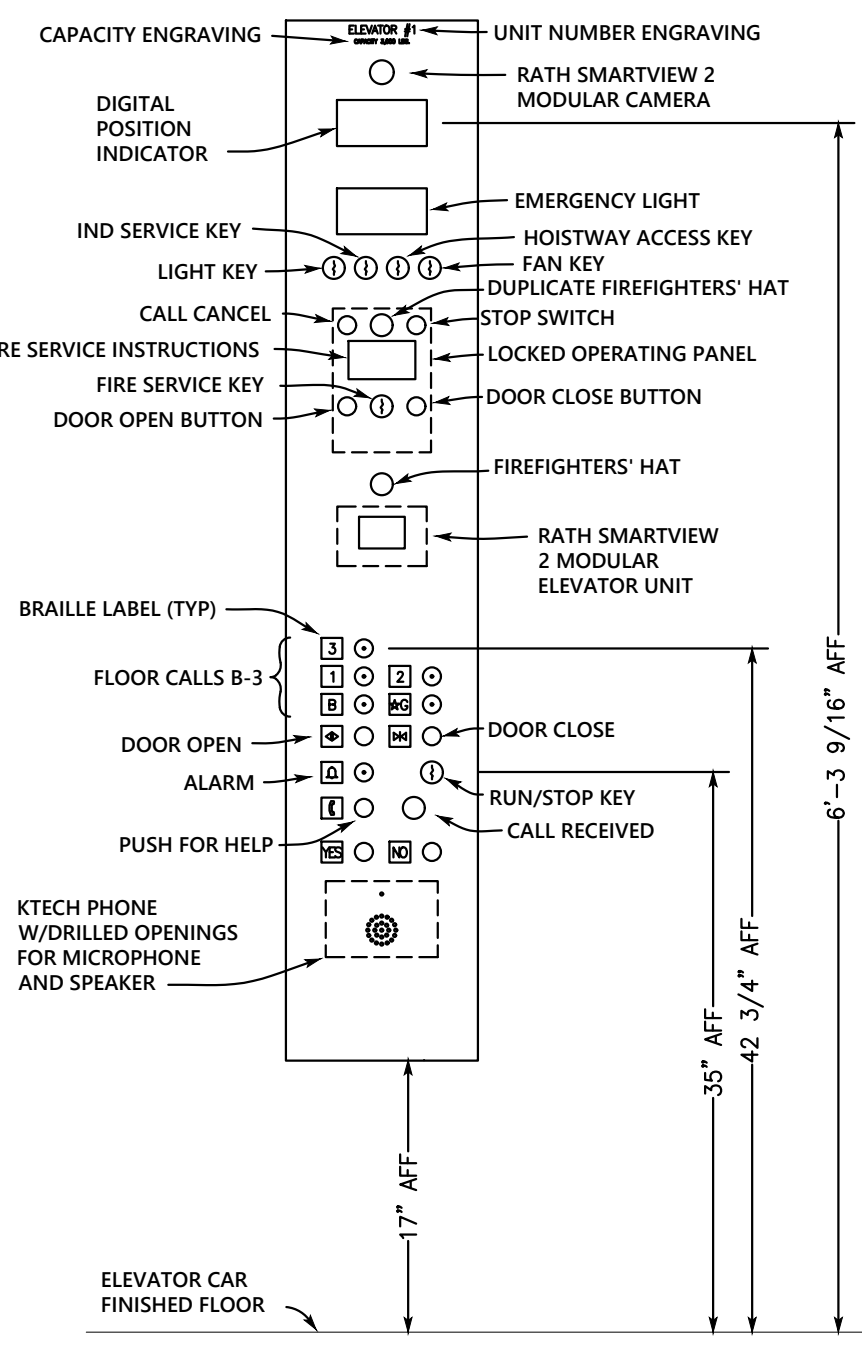
HOISTWAY SECTIONS
CORNELL UNIVERSITY
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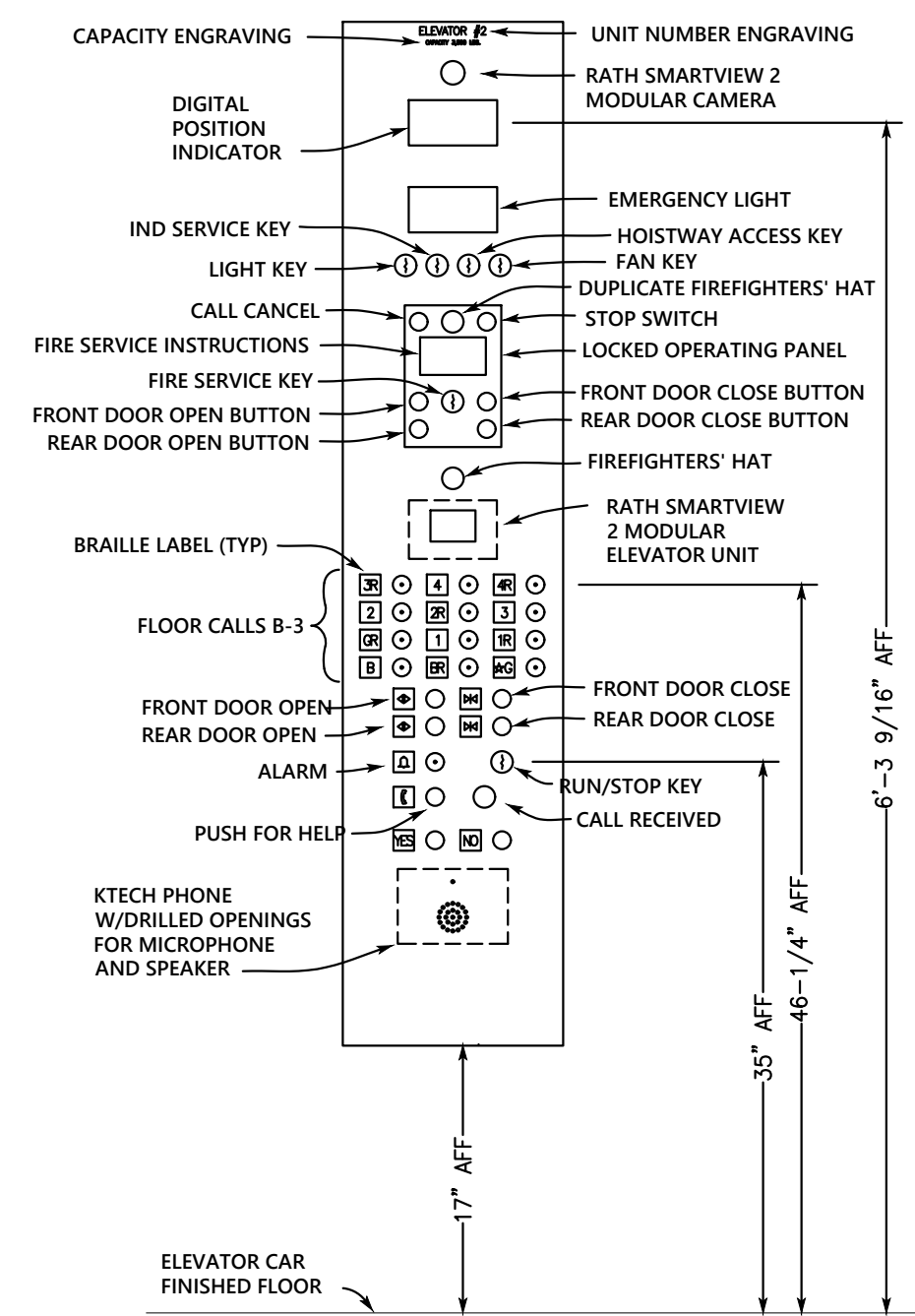
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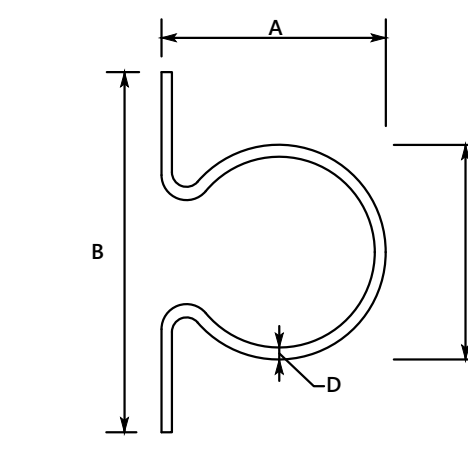
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1 ELEVATOR 1 CAR OPERATING PANEL LAYOUT
SCALE: 1" = 1'-0"



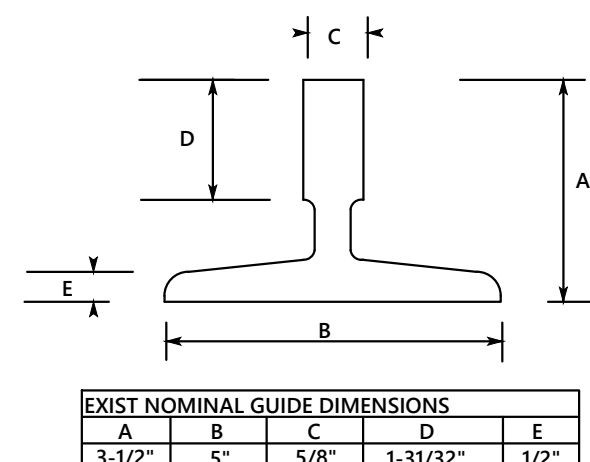
2 ELEVATOR 2 CAR OPERATING PANEL LAYOUT
SCALE: 1" = 1'-0"



EXISTING NOMINAL GUIDE DIMENSIONS			
A	B	C	D
3-1/2"	TBD	TBD	TBD
NOMINAL WEIGHT = LBS / FOOT			

CONTRACTOR TO FIELD VERIFY RAIL SIZE

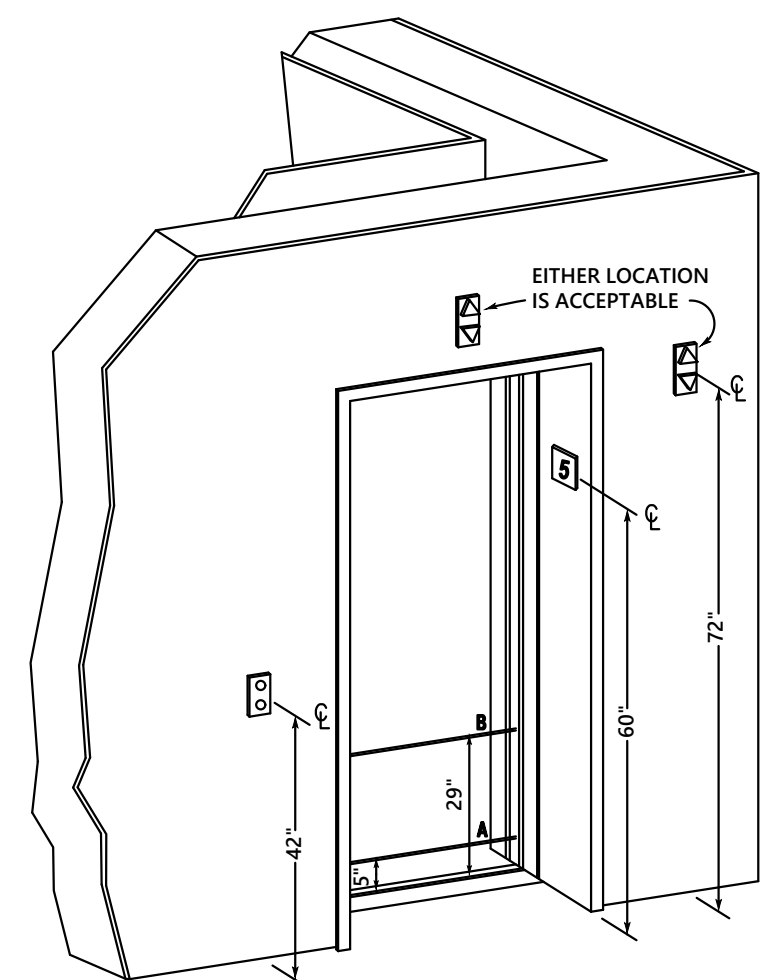
3 EXISTING ELEV 1 CAR GUIDE RAIL SECTION
NOT TO SCALE



EXISTING NOMINAL GUIDE DIMENSIONS				
A	B	C	D	E
3-1/2"	5"	5/8"	1-3/32"	1/2"
NOMINAL WEIGHT = 15 LBS / FOOT				

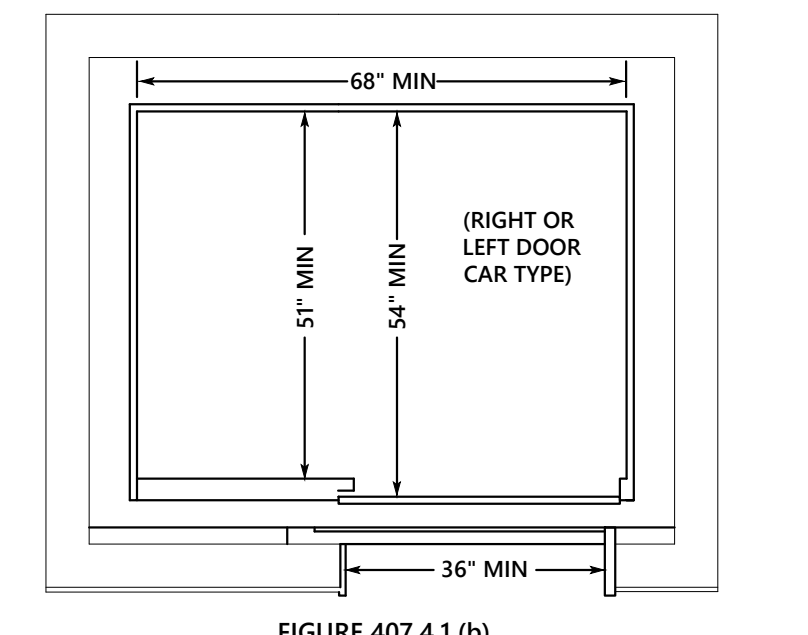
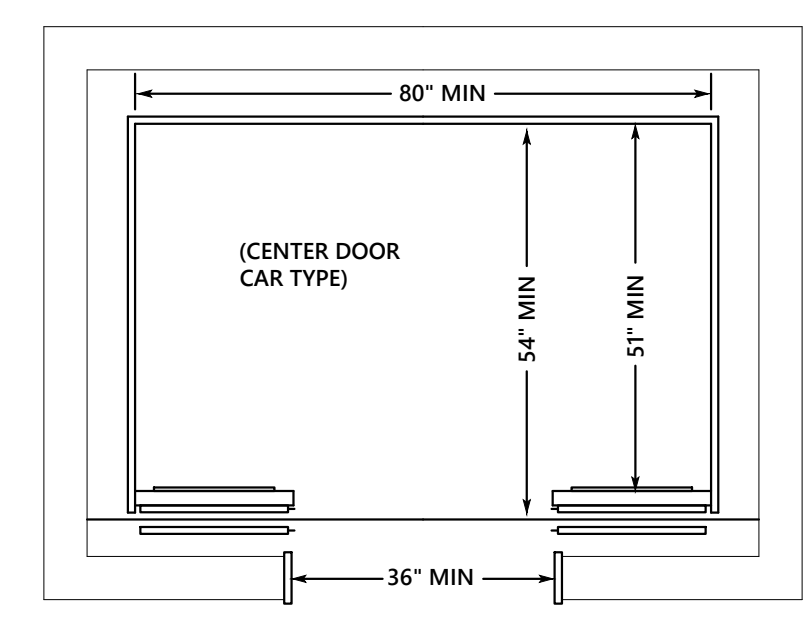
CONTRACTOR TO FIELD VERIFY RAIL SIZE

4 EXISTING ELEV 2 CAR GUIDE RAIL SECTION
NOT TO SCALE



NOTE: THE AUTOMATIC DOOR REOPENING DEVICE SHALL BE ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR B. LINE A AND LINE B REPRESENT THE VERTICAL LOCATIONS OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

5 ACCESSIBILITY REQUIREMENTS FOR HOISTWAY AND ELEVATOR ENTRANCES
NOT TO SCALE



ICC A117.1-17 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES AND 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

SECTION 407 ELEVATORS

407.1 GENERAL. ELEVATORS SHALL COMPLY WITH 407 AND WITH ASME A17.1. THEY SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASME A17.1. ELEVATOR OPERATION SHALL BE AUTOMATIC.

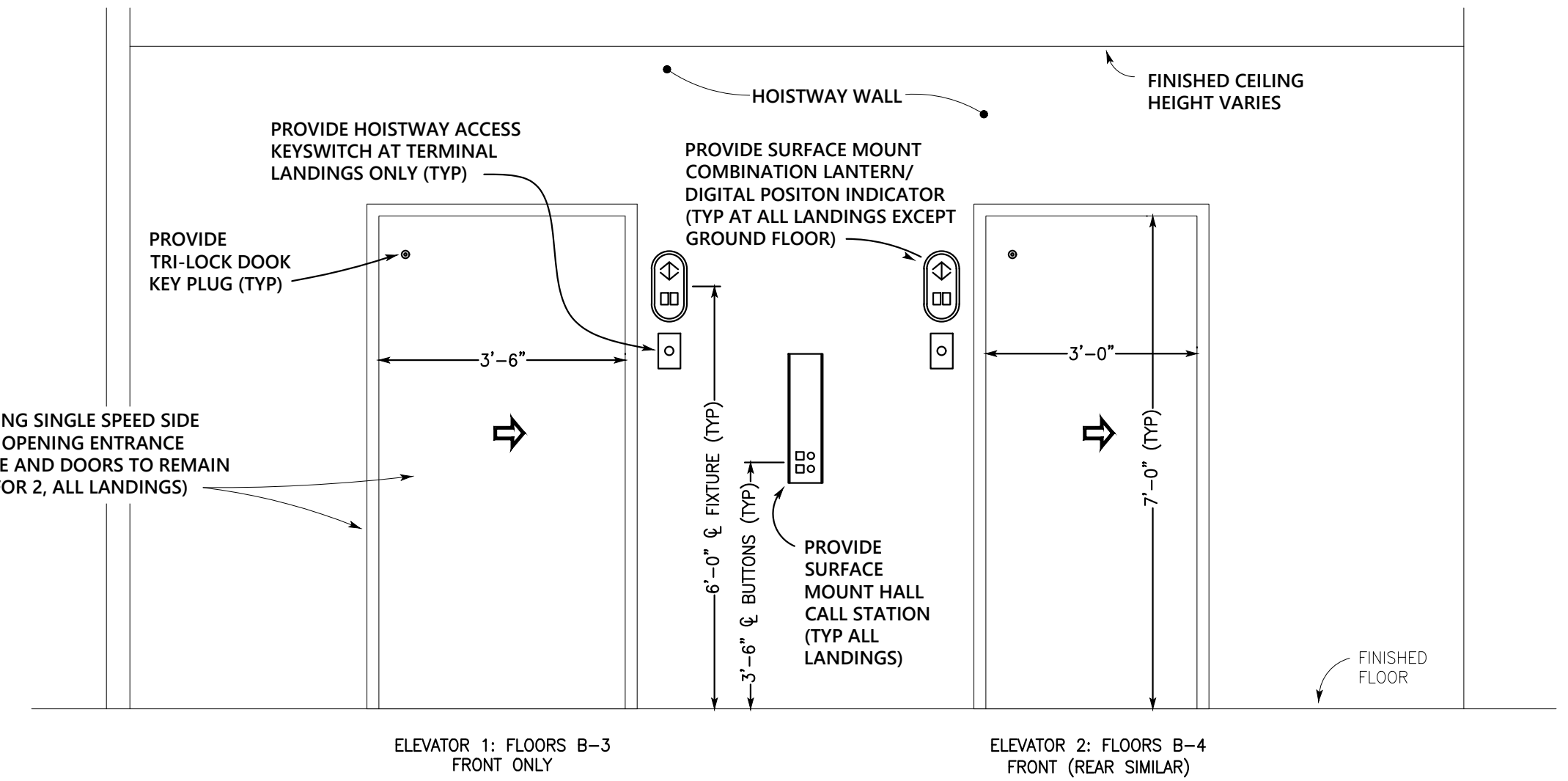
407.4.1 CAR DIMENSIONS. INSIDE DIMENSIONS OF ELEVATOR CARS AND CLEAR WIDTH OF ELEVATOR DOORS SHALL COMPLY WITH TABLE 407.4.1.

EXCEPTION: EXISTING ELEVATOR CAR CONFIGURATIONS THAT PROVIDE A CLEAR FLOOR AREA OF 16 SQUARE FEET MINIMUM AND ALSO PROVIDE AN INSIDE CLEAR DEPTH 54 INCHES MINIMUM AND A CLEAR WIDTH 36 INCHES MINIMUM SHALL BE PERMITTED.

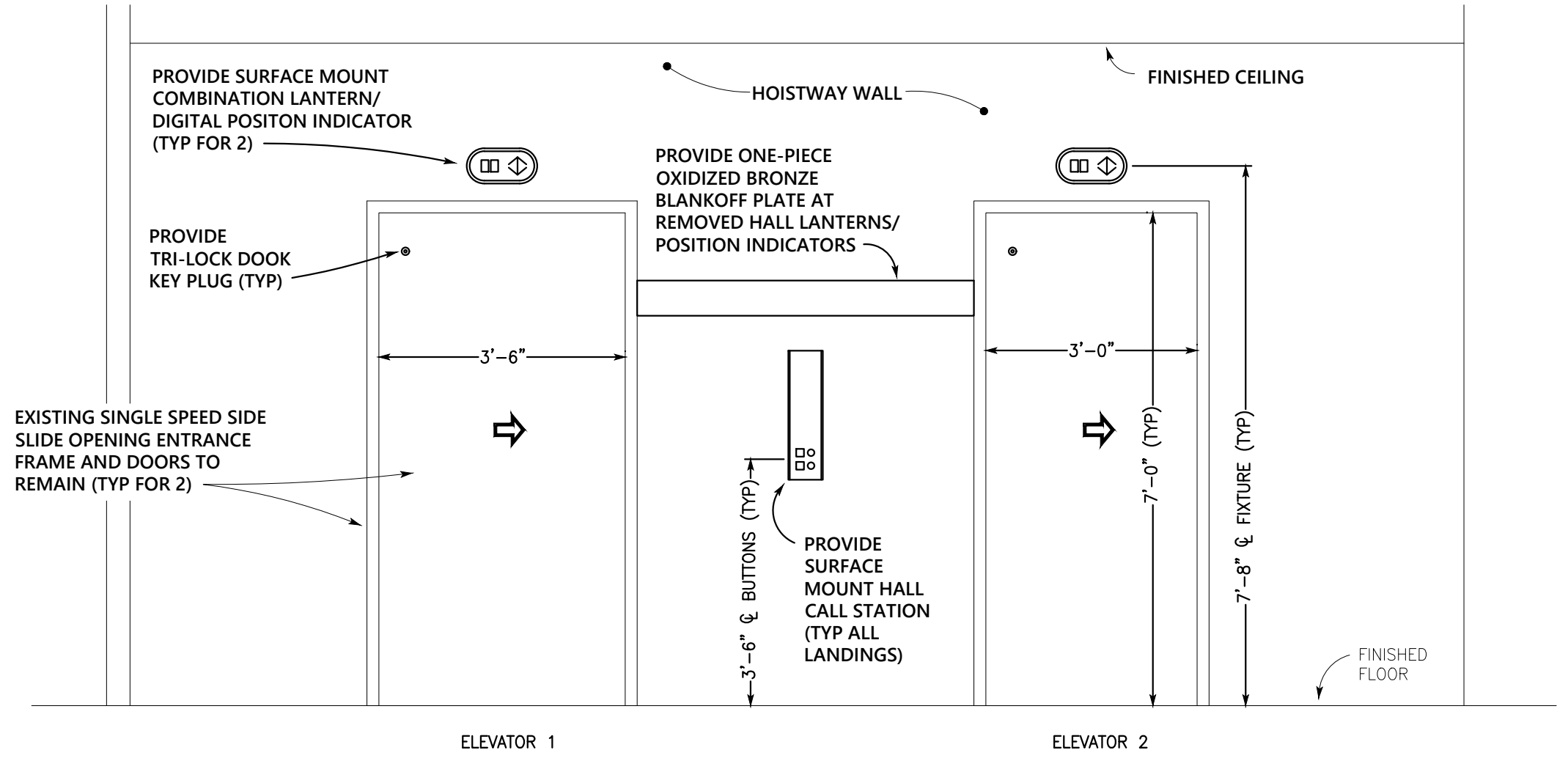
TABLE 407.4.1 ELEVATOR CAR DIMENSIONS

DOOR LOCATION	MINIMUM DIMENSIONS			
	DOOR CLEAR WIDTH	INSIDE CAR, SIDE TO SIDE	INSIDE CAR, BACK WALL TO FRONT WALL	INSIDE CAR, BACK WALL TO INSIDE FACE OF DOOR
CENTERED	42 INCHES	80 INCHES	51 INCHES	54 INCHES
SIDE (OFF-CENTERED)	36 INCHES	68 INCHES	51 INCHES	54 INCHES
ANY	36 INCHES	54 INCHES	80 INCHES	80 INCHES
ANY	36 INCHES	60 INCHES	60 INCHES	60 INCHES

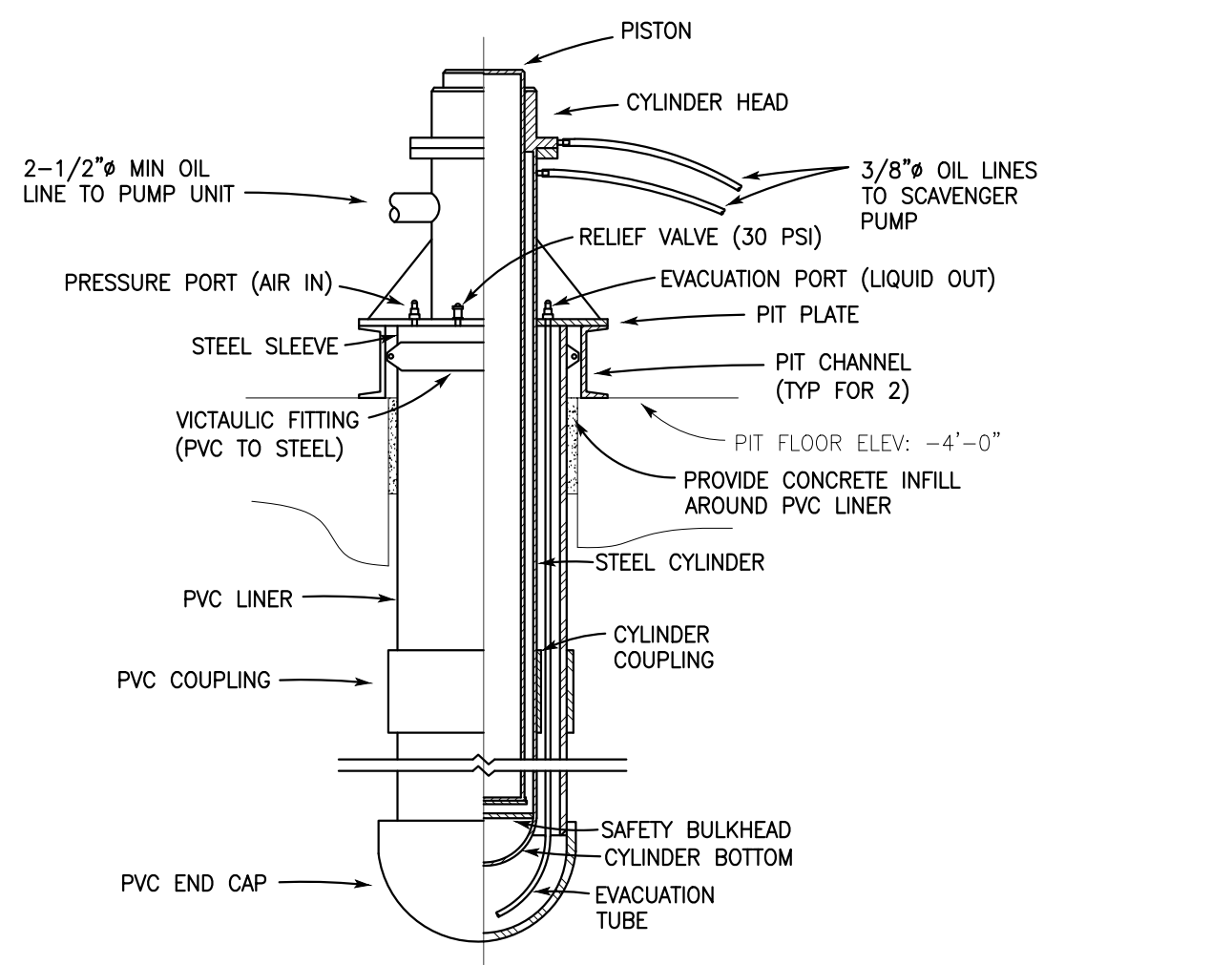
6 ACCESSIBILITY REQUIREMENTS FOR MINIMUM DIMENSIONS OF ELEVATOR CARS
NOT TO SCALE



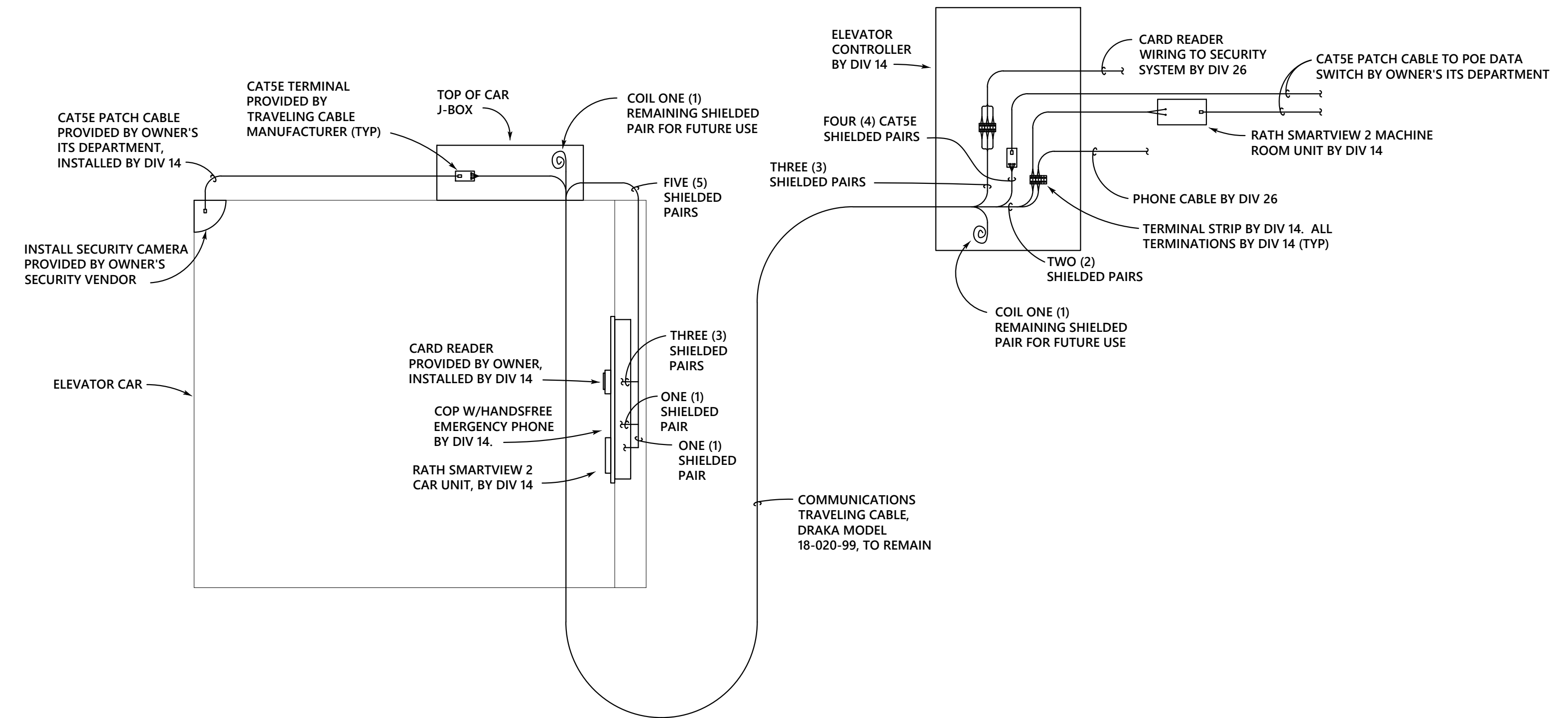
8 TYPICAL HOISTWAY ENTRANCE ELEVATION
NOT TO SCALE



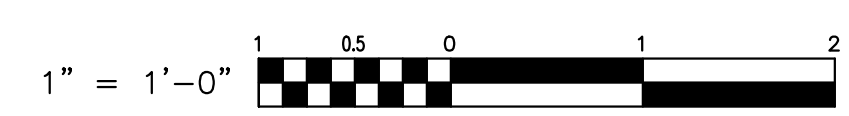
9 GROUND FLOOR FRONT HOISTWAY ENTRANCE ELEVATION
NOT TO SCALE



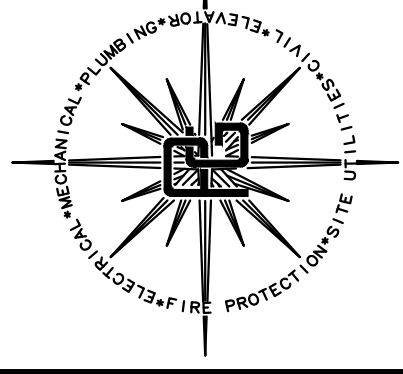
7 HYDRAULIC JACK W/PVC LINER SYSTEM
NOT TO SCALE



10 ELEVATOR COMMUNICATIONS CABLING SCHEMATIC
NOT TO SCALE



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Project/Sheet Title

Date	Revision

ELEVATOR DETAILS
CORNELL UNIVERSITY
MYRON TAYLOR JANE FOSTER
ELEVATOR MODERNIZATION 2026

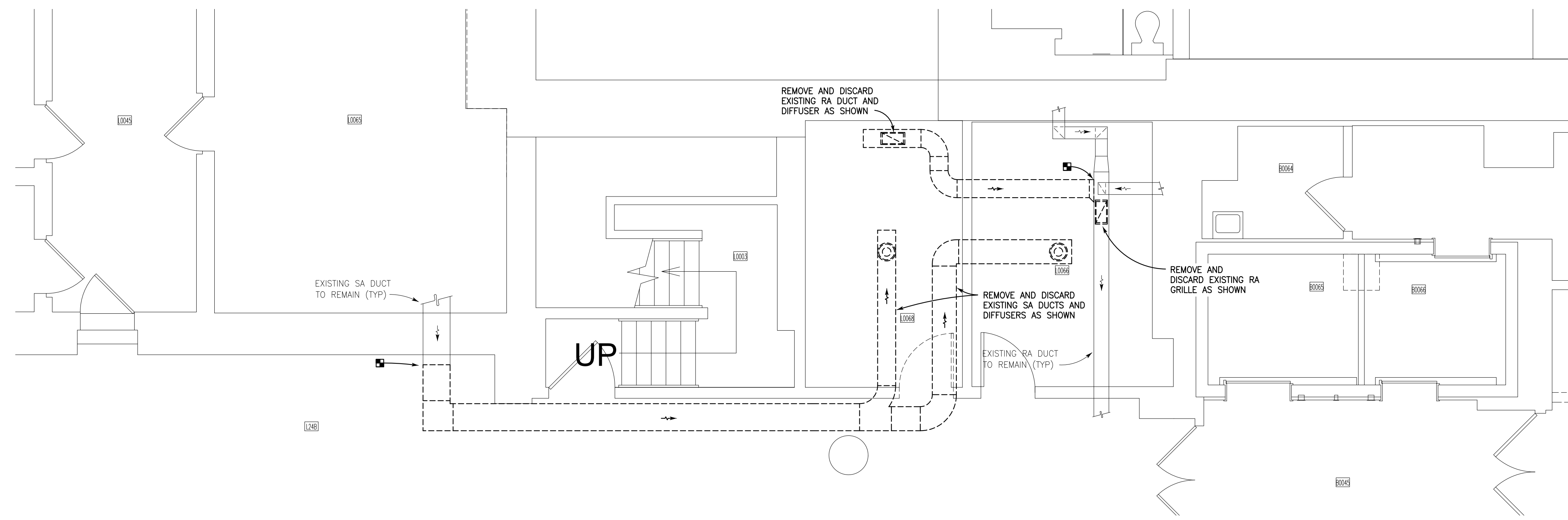
Scale: AS SHOWN
Date: MAY 15, 2026
Drawn: CBL
Designed: MAP
Checked: C.E. LOOMIS, PE

Project No.: CORNELL 12652 / PGPC 950001
Drawing No.:

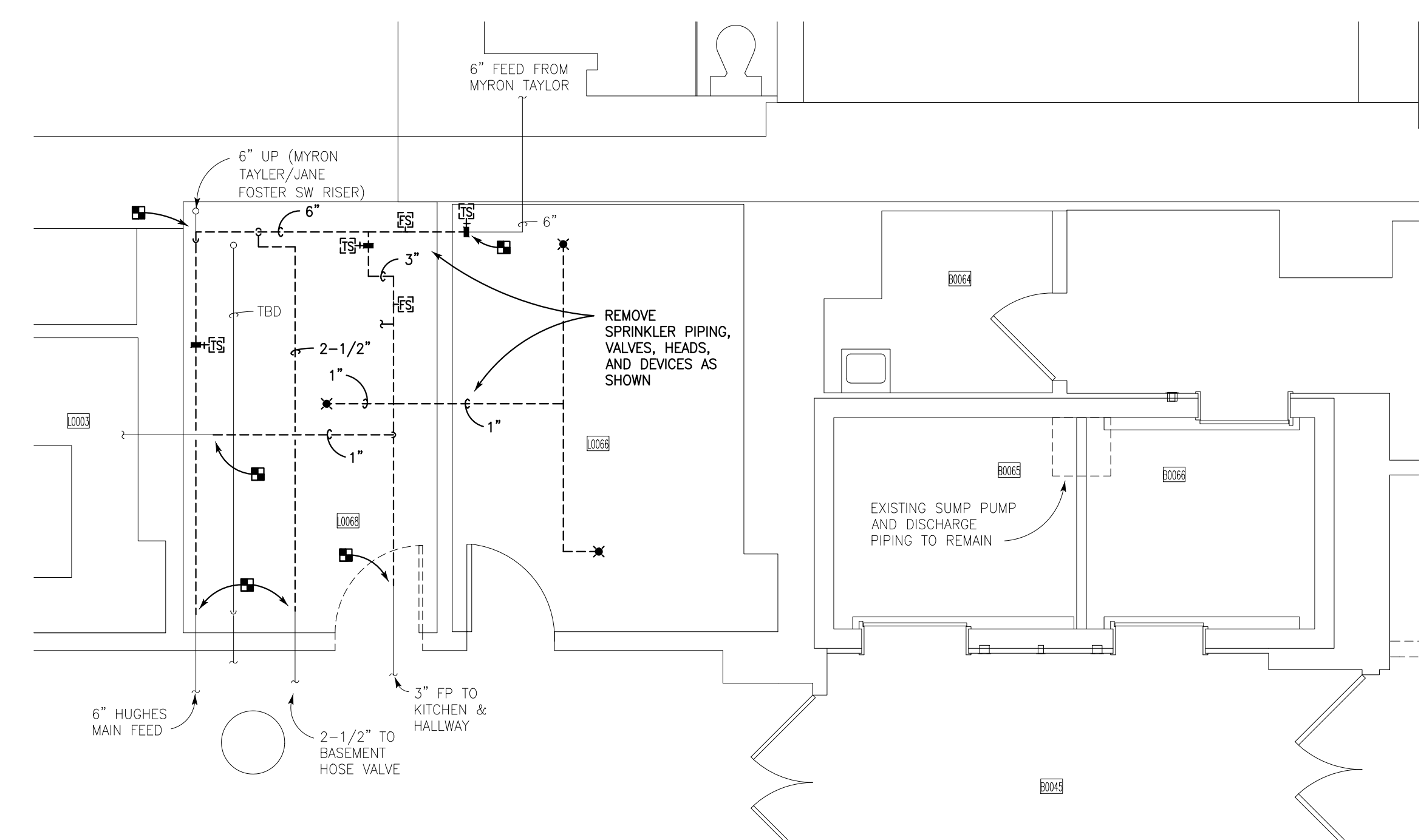
V500

CONFORM TO INDICATED DIMENSIONS RATHER THAN DIMENSIONS SCALED FROM DRAWING. GRAPHIC SCALE PROVIDED HEREIN FOR GENERAL INFORMATION AND TO CONFIRM WHEN DRAWING SIZE HAS BEEN REDUCED OR INCREASED IN REPRODUCTION.

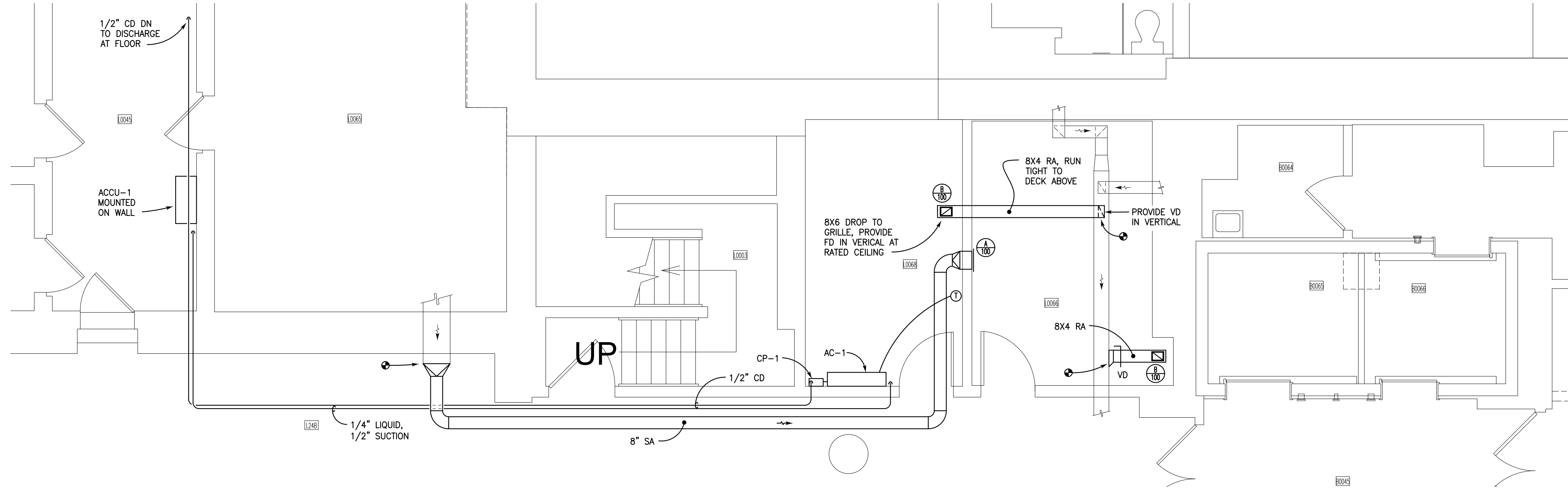
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PROFESSIONAL SHALL AFFIX THEIR SEAL AND THE NOTATION "ALTERED BY", FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION AND A DESCRIPTION OF THE ALTERATION. THIS STATEMENT IS PROVIDED HEREIN AS REQUIRED BY LAW.



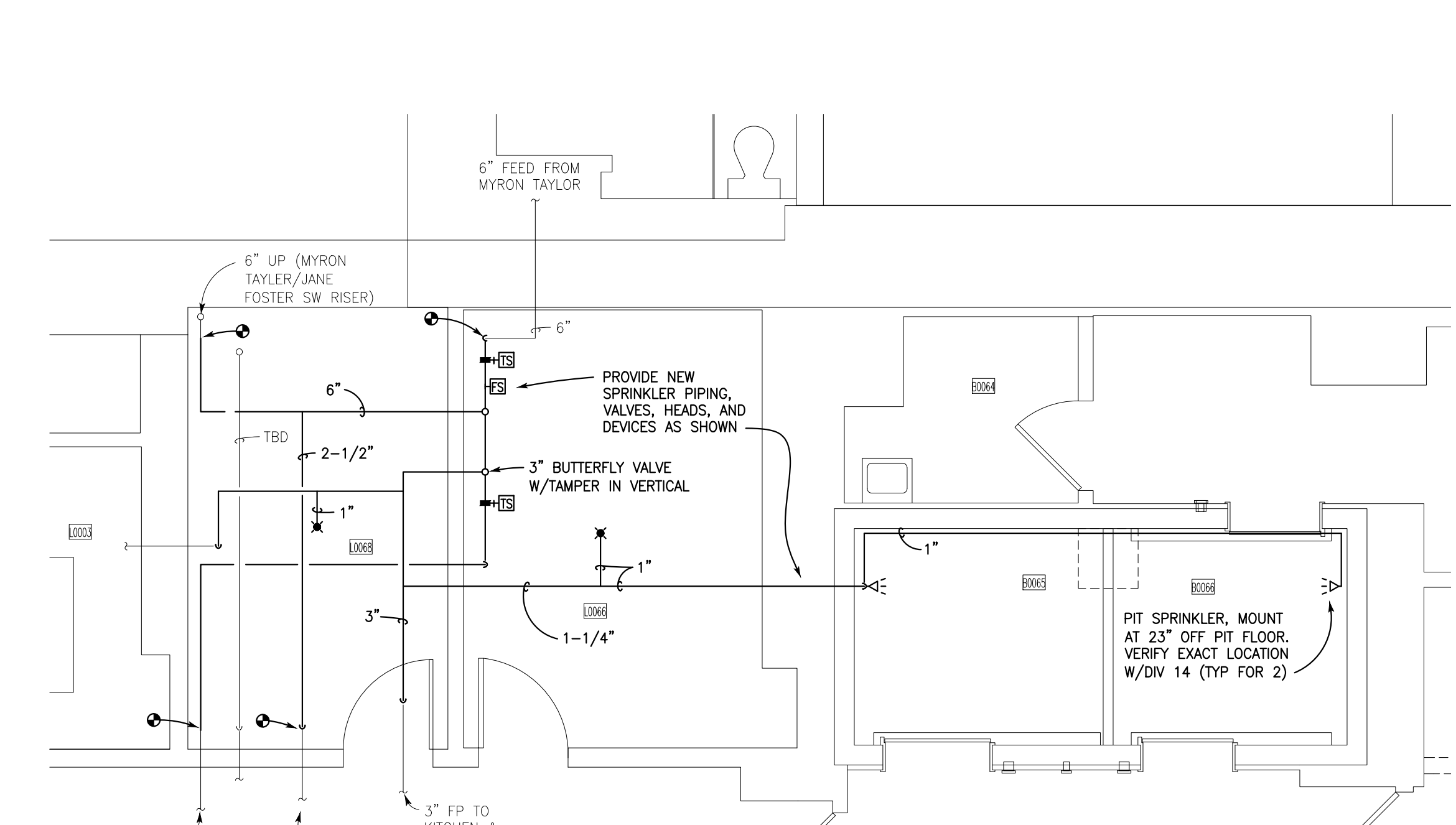
1 PARTIAL BASEMENT MECHANICAL REMOVALS PLAN
 MF100 SCALE: 1/4" = 1'-0"



3 PARTIAL BASEMENT FIRE PROTECTION REMOVALS PLAN
 MF100 SCALE: 1/4" = 1'-0"



2 PARTIAL BASEMENT MECHANICAL PLAN
 MF100 SCALE: 1/4" = 1'-0"



4 PARTIAL BASEMENT FIRE PROTECTION PLAN
 MF100 SCALE: 1/4" = 1'-0"

SPLIT SYSTEM AIR CONDITIONER SCHEDULE									
DESIGNATION	TYPE	LOCATION	CAPACITY (BTUH)	AMPS	VOLT	PH	EVAPORATOR UNIT (EU) MODEL	CONDENSING UNIT (CU) MODEL	REFRIGERANT
AC-1/ACCU-1	COOLING ONLY	EU = ELEV MACH RM L0066 CU = MECH ROOM L0045	18,000	16	208	1	MITSUBISHI PKA-AL19N	MITSUBISHI PUY-AK19N	R-454B

NOTES:
 1. PROVIDE WIRED CONTROLLER, MODEL # PAR-20MAUL.
 2. PROVIDE WALL MOUNT BRACKET FOR CONDENSING UNIT.

A/C CONDENSATE PUMP SCHEDULE														
DESIGNATION	SERVICE	TANK CAPACITY (GAL)	ELECTRICAL			DISCHARGE SIZE	GPH	LIFT (FT. OF HD)	MAX FLUID TEMP	BUILT-IN CHECK VALVE	OVERFLOW DETECTION SWITCH	BASIS OF DESIGN		
			NOM. HP	VOLTS	PHASE								AMPS	WATTS
CP-1	ELEV MACH RM A/C	1/3	1/30	115	1	1.5	93	3/8" BARBED	10	20	140°F	YES	YES	LITTLE GIANT VCMA-20ULS-PRO

NOTES:
 1. PUMP PROVIDED WITH 6' 3 CONDUCTOR APPLIANCE CORD WITH MOLDED PLUG.

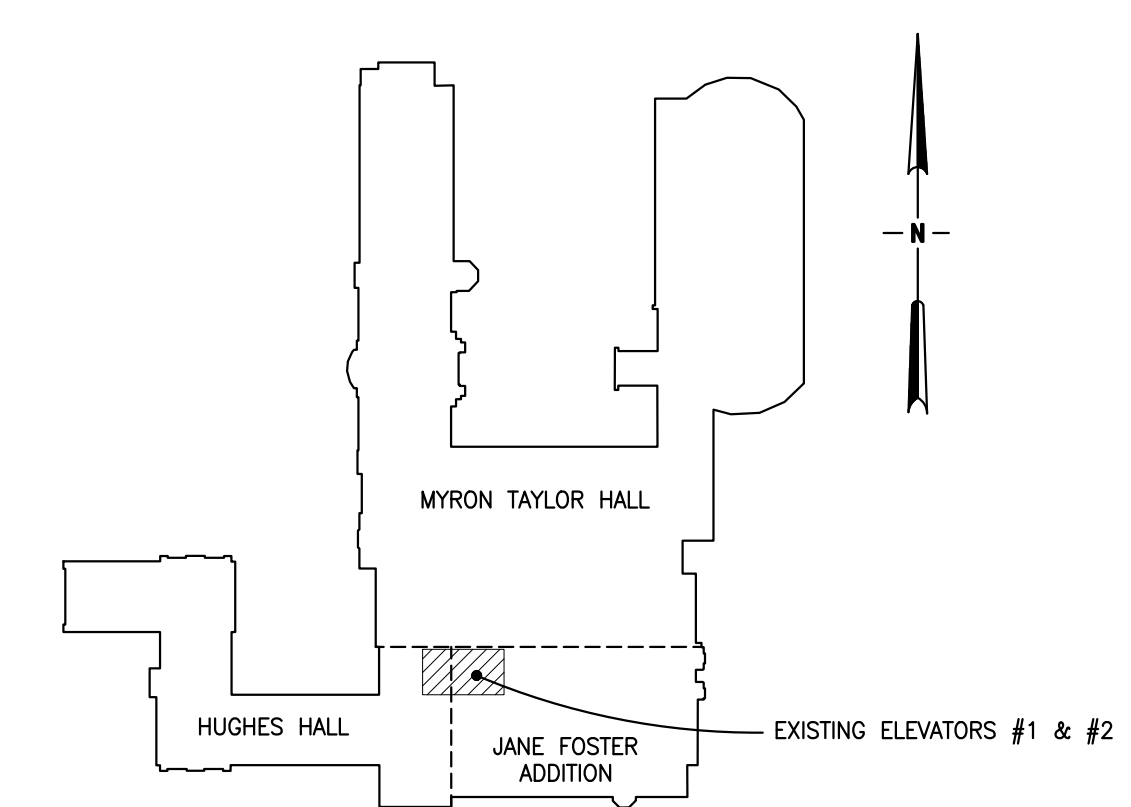
INSULATION SCHEDULE					
TYPE	PIPE INSULATION TYPE	FITTING INSULATION TYPE	PIPE DIAMETER (INCHES)		
			< 1"	1" TO 1-1/4"	1-1/2" AND LARGER
REFRIGERANT PIPING	ELASTOMETRIC THERMAL INSULATION (LOW FLAME SPREAD)	N/A	1/2"	1/2"	1/2"
AIR CONDITIONING CONDENSATE DRAIN PIPING	FIBERGLASS WITH ALL SERVICE JACKET	ZESTON	1/2"	1/2"	1/2"

NOTES:
 1. MAINTAIN VAPOR BARRIER ON ALL BELOW-AMBIENT PIPING SYSTEMS (E.G. COLD WATER PIPING, STORM PIPING, REFRIGERANT LINES).

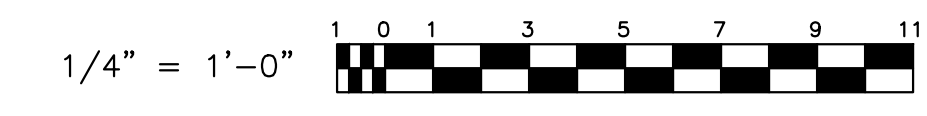
PIPING SCHEDULE			
SERVICE	PIPING	FITTINGS	JOINTS
A/C CONDENSATE	TYPE M COPPER	WROUGHT COPPER, NO LEAD	95/5 NO-LEAD SOLDER
REFRIGERANT PIPING	TYPE ACR COPPER	WROUGHT COPPER PRESSURE FITTING. ALL CHANGES OF DIRECTION SHALL BE VIA LONG RADIUS ELBOWS.	BRAZED

AIR DEVICE SCHEDULE												
SYMBOL	TYPE	UNIT SIZE	NECK SIZE	DIRECTION	MAX CFM	THROW TO 50 FPM VEL	SP	NC	MOUNTING TYPE	COLOR	TITUS	NOTES
A	LOUVERED FACE SUPPLY AIR DIFFUSER, ADJUSTABLE PATTERN, ALUMINUM FRAME & HORIZONTAL BLADES, 3/4" SPACING	10X6	8X4	DOUBLE DEFLECTION	100	18	0.06	<15	SURFACE	WHITE	300FL	1.
B	LOUVERED FACE RETURN AIR GRILLE WITH ALUMINUM FRAME & HORIZONTAL BLADES, 3/4" SPACING	10X6	8X4	45°	100	-	0.08	22	SURFACE	WHITE	350FL	-

NOTES:
 1. PROVIDE OPPOSED BLADE DAMPER



5 KEY PLAN
 MF100 NO TO SCALE



CONFORM TO INDICATED DIMENSIONS RATHER THAN DIMENSIONS SCALED FROM DRAWING. GRAPHIC SCALE PROVIDED HEREIN FOR GENERAL INFORMATION AND TO CONFIRM WHEN DRAWING SIZE HAS BEEN REDUCED OR INCREASED IN REPRODUCTION.

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Chad E. Loomis, P.E.
 NYS PE LICENSE # 082424
 Registered Through 06/30/2028

Date	Revision

MECHANICAL & FIRE PROTECTION PLANS
CORNELL UNIVERSITY
 MYRON TAYLOR JANE FOSTER
 ELEVATOR MODERNIZATION 2026

Project/Sheet Title	
Scale	AS SHOWN
Date	MAY 15, 2026
Drawn	CBL
Designed	MAP
Checked	C.E. LOOMIS, PE

Project No.	
CORNELL 12652 / PGPC 950001	Drawing No.

MF100

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GENERAL NOTES:

- ALL WORK SHALL CONFORM TO CORNELL UNIVERSITY STANDARDS OF QUALITY, MATERIAL AND WORKMANSHIP, AS DETAILED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
- ALL WORK SHALL CONFORM TO THE 2025 BUILDING CODE OF NEW YORK STATE. ALL ELECTRICAL WORK IN THE PROJECT AREA SHALL CONFORM TO THE 2023 NATIONAL ELECTRICAL CODE, THE 2025 ENERGY CONSERVATION CODE OF NEW YORK STATE, AND THE 2025 ENERGY CONSERVATION CODE OF NEW YORK STATE. THESE ARE THE APPLICABLE PORTIONS OF THE NYS UNIFORM FIRE PREVENTION AND BUILDING CODE AT THE TIME OF EXPECTED PERMIT ISSUE.
- THIS PROJECT IS CLASSIFIED AS AN ALTERATION LEVEL 2.
- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT (OSHA) AS AMENDED AND THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF LABOR.
- THE PROJECT OCCURS WITHIN THE CITY OF ITHACA. CONTRACTOR SHALL HAVE A VALID CITY OF ITHACA ELECTRICAL LICENSE AND SHALL PROVIDE AN ELECTRICAL PERMIT, INSPECTION AND CERTIFICATE OF COMPLETION. THE CONTRACTOR SHALL PAY ALL FEES.
- CONFORM TO UTILITY COMPANY RULES & REGULATIONS.
- PROVIDE DETAILED SUBMITTALS FOR ALL MATERIALS AND EQUIPMENT PROVIDED UNDER THIS PROJECT.
- PROVIDE OPERATION AND MAINTENANCE INFORMATION FOR ALL MATERIALS, EQUIPMENT AND SYSTEMS PROVIDED UNDER THIS PROJECT. SEE SPECIFICATIONS.
- PROVIDE SIGNED, DATED, CONTRACTOR AS-BUILT DRAWINGS FOR ALL WORK PROVIDED UNDER THIS PROJECT. MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS DENOTING ANY FIELD CHANGES WHICH ARE MADE AS THE WORK OF THE PROJECT PROGRESSES. KEEP THESE UPDATED. ENGINEER SHALL BE PERMITTED TO BORROW, PHOTOCOPY AND RETURN THESE DRAWINGS AT INTERVALS THROUGHOUT THE PROJECT.
- COORDINATE LOCATIONS OF ELECTRICAL, TELECOM, AND FIRE ALARM DEVICES AND ELEMENTS WITH THE MECHANICAL, SPRINKLER AND PLUMBING WORK. BRING ANY QUESTIONS OR DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO ROUGHIN.
- ITEMS IDENTIFIED FOR "SALVAGE" SHALL BE REMOVED AND PROTECTED BY THE CONTRACTOR, AND TURNED OVER TO THE OWNER.

KEY TO SYMBOLS & DEVICE SPECIFICATIONS

1 E001

- EXISTING WORK TO REMAIN (FAINT LINE)
- NEW WORK (BOLD CONTINUOUS LINE)
- EXISTING WORK TO BE REMOVED (DASHED LINE)
- LIGHTING FIXTURES - LETTER INDICATES TYPE (SEE FIXTURE SCHEDULE)
- LIGHT SWITCH
- EQUIPMENT ITEM (SEE EQUIPMENT CIRCUITING AND CONTROL SCHEDULE)
- DUPLEX RECEPTACLE
- DUPLEX GFCI RECEPTACLE
- MOTOR - NUMBER INDICATES HORSEPOWER
- JUNCTION BOX
- PANELBOARD, FLUSH MOUNTED
- PANELBOARD, SURFACE MOUNTED
- HOMERUN TO PANEL LPT, CIRCUIT #3, 2 #12'S IN 3/4" CDT. FED FROM 20A-1P BKR. IS INTENDED UNLESS NOTED OTHERWISE. RUN GREENWIRE GROUND FOR ALL CIRCUITS. ONE GROUND PER RACEWAY SIZED FOR LARGEST CIRCUIT IS ACCEPTABLE.
- THERMOSTAT
- DISCONNECT SWITCH
- ELECTRICAL CONTRACTOR
- CIRCUIT
- BREAKER
- LIGHTING
- ELECTRICAL METALLIC TUBING
- RIGID GALVANIZED STEEL CONDUIT
- DIVISION

ELECTRICAL NOTES:

- EXISTING CIRCUITING SHOWN ON THESE DRAWINGS HAS BEEN DEVELOPED FROM RECORD DRAWINGS WHICH HAVE BEEN PARTIALLY VERIFIED. CONTRACTOR SHALL VERIFY CIRCUITING FOR ALL AFFECTED AREAS DURING CONSTRUCTION AND SHALL AMEND THIS DRAWING FOR RECORD AS NECESSARY.
- COORDINATE CONDUIT PATH WITH EXIST PIPING, DUCTWORK AND ELECTRICAL WIRING. EC MAY REUSE EXISTING CONCEALED CONDUIT PATHWAYS WHERE POSSIBLE UPON REVIEW AND APPROVAL BY ENGINEER/ARCHITECT.
- ALL CONDUCTORS SHALL BE STRANDED COPPER. ALUMINUM CONDUCTORS SHALL BE PERMITTED ONLY WHERE SPECIFICALLY NOTED. ALL INSULATED POWER CONDUCTORS SHALL BE TYPE THHN-THWN FOR COPPER, OR XHHW-2 FOR ALUMINUM. ALL FIRE ALARM CONDUCTORS SHALL BE STRANDED STRANDED CONDUCTORS SHALL BE FIRMLY HELD UNDER DEVICE CAPTIVE CLAMP CONNECTORS PROVIDED BY THE MANUFACTURER.
- ALL CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT), RIGID GALVANIZED STEEL (RGS) WHERE EXPOSED TO WEATHER OR IN CONCRETE POUR, OR ALUMINUM CONDUIT WHERE SHOWN. ALL BOXES SHALL BE METAL. CONDUIT SIZE SHALL BE 3/4" MINIMUM EXCEPT WHERE SPECIFICALLY SHOWN 1/2" FOR SPECIAL CIRCUITS. NO MC PERMITTED EXCEPT WHERE FISHERD INTO EXISTING WALLS FOR OUTLETS AND FOR WHIPS TO LIGHT FIXTURES NOT OVER 6'-0" LONG.
- SURFACE RACEWAY SHALL NOT BE PERMITTED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.
- FINAL CONNECTIONS AT MOTORS, FLOW, TAMPER, PRESSURE SWITCHES AND SENSORS SHALL BE IN LIQUIDTIGHT CONDUIT. 3/8" LIQUIDTIGHT IS PREFERRED FOR SMALL DEVICES.
- EXTEND NEW FIRE ALARM CONDUIT TO NEW DETECTION AND NOTIFICATION DEVICES AS SHOWN ON DRAWINGS. MAIN PATHWAYS SHALL BE MINIMUM SIZE 3/4" EMT UNLESS SHOWN OTHERWISE. INSTALL WIREMOLD IN EXPOSED AREAS ONLY WHERE SHOWN ON DRAWINGS & CONDUIT SCHEDULE.
- BRANCH CIRCUITS: PROVIDE SEPARATE NEUTRALS FOR EACH RECEPTACLE AND POWER CIRCUIT. SHARED NEUTRALS ARE NOT TO BE USED.
- FEEDERS: PROVIDE 150% SIZED NEUTRAL BAR AND 150% SIZED NEUTRAL CONDUCTORS FOR COMPUTER OR HARMONIC LOADS.
- LOAD BALANCE: BALANCE SINGLE PHASE SERVICES TO 10% ON A AND B PHASES. BALANCE THREE PHASE SERVICES TO 20% ON INDIVIDUAL PANELS AND TO WITHIN 10% ON MAIN SERVICE. BALANCE SHALL BE CHECKED BOTH WITH ALL LOADS ON AND WITH NORMAL LOADS ON.
- FOR CIRCUITS INDICATED TO BE REMOVED, CONTRACTOR SHALL REMOVE ALL CONDUIT, BX, BOXES, AND CONDUCTORS IN ACCESSIBLE CHASES, CEILING SPACES AND WHERE EXPOSED. DO NOT ABANDON ANY SUCH CIRCUITS IN PLACE UNLESS BURIED IN WALLS AND INACCESSIBLE. DISCONNECT SUCH CIRCUITS AT BOTH ENDS AND PULL OUT ALL CONDUCTORS. CLOSE UP ALL SPARE UNCOVERED BOXES. PLUG ALL OPEN KNOCKOUTS.
- MAINTAIN CONTINUITY OF ALL EXISTING TO REMAIN ELECTRIC CIRCUITS. RE-CIRCUIT AS REQUIRED.
- PROVIDE CIRCUIT NAMEPLATES FOR ALL NEW CIRCUITS. PROVIDE ENGRAVED NAMEPLATES FOR PANELS, TRANSFORMERS, DISCONNECT SWITCHES, MOTOR STARTERS AND CONTROL PANELS. PROVIDE TYPEWRITTEN PANEL DIRECTORY IN PANEL. PROVIDE DUPLICATE TYPEWRITTEN DIRECTORY ON AS-BUILT DRAWINGS.
- CUTTING OF HOLES IN CONCRETE OR BLOCK SHALL BE STARTED BY CORE DRILLING AT EACH CORNER OF NEW OPENING AND MAY BE COMPLETED BY CORING OR SAW CUTTING. JACKHAMMERING OR HAMMERMILLING SHALL NOT BE PERMITTED.
- STRUCTURAL STRENGTH OF METAL STUD WALLS SHALL NOT BE COMPROMISED BY EXCESSIVE DRILLING OR CUTTING FOR CONDUIT WORK. SINGLE HOLES SHALL BE DRILLED AT MIDDLE OF THE STUD AND SEPARATED BY SOLID METAL AT LEAST TWO DIAMETERS OF THE HOLE TO THE NEXT OPENING.
- ALL ELECTRICAL OUTLETS, COMPUTER AND TELEPHONE OUTLETS/JACKS, SWITCHES, PULL STATIONS, THERMOSTATS, EXIT LIGHTS, AND ALL OTHER WALL MOUNTED ACCESSORIES SHALL BE ALIGNED VERTICALLY OR HORIZONTALLY WHEN IN CLOSE PROXIMITY. COORDINATION OF THIS ALIGNMENT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

PHASING NOTES:

- THIS PROJECT SHALL BE PHASED PER THE REQUIREMENTS OF THE OWNER. SEE DRAWING T100 FOR GENERAL PROJECT SCHEDULE. CONTRACTOR SHALL ARRANGE THE ELECTRICAL DEMOLITION AND NEW WORK TO SUPPORT THE SCHEDULE.

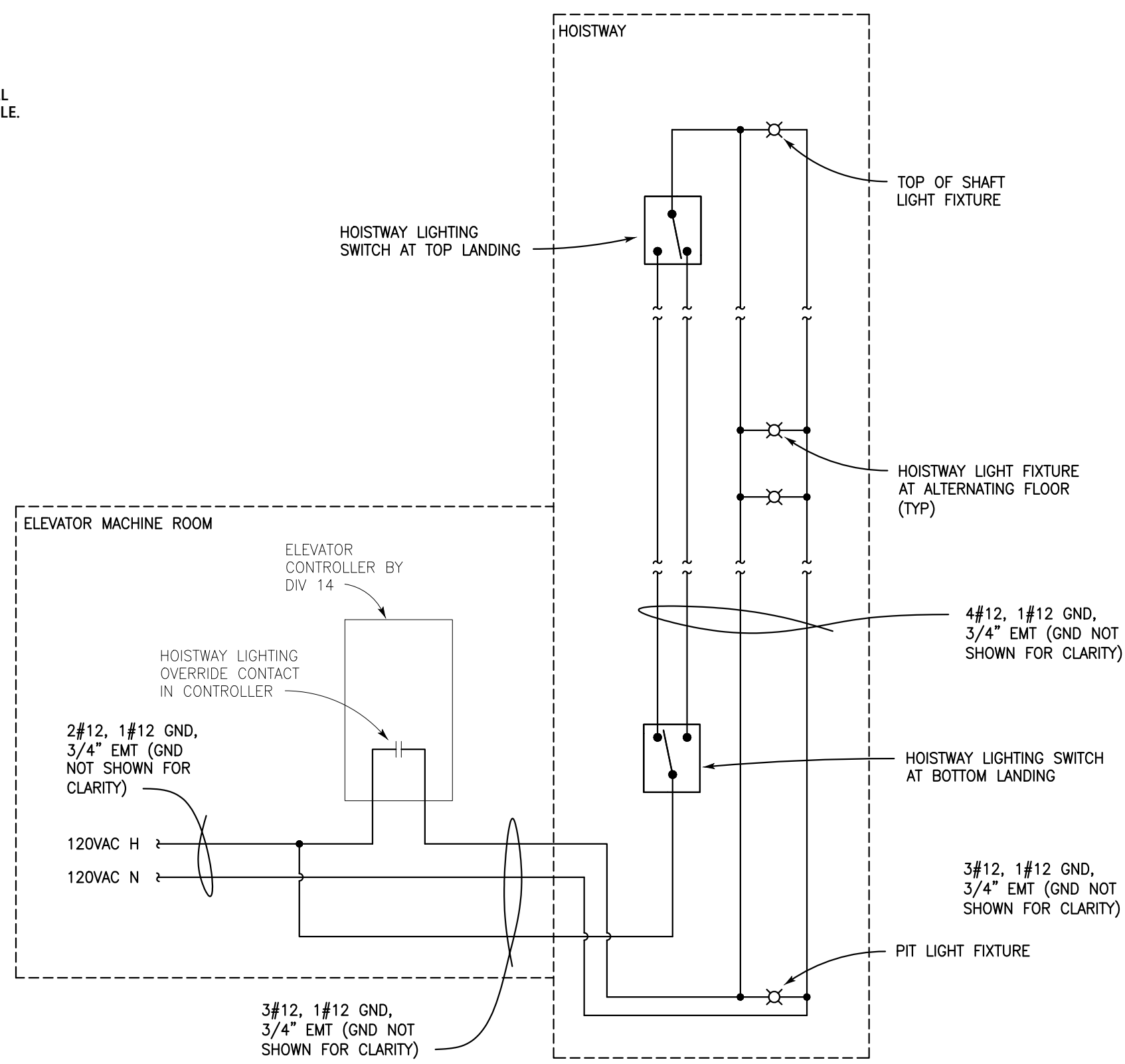
ELEVATOR INSPECTION ASSISTANCE

- ELECTRICAL CONTRACTOR SHALL INCLUDE IN THEIR BID ALL COSTS FOR ASSISTING WITH ELEVATOR INSPECTIONS. ALL TIME ADVANCES SHALL BE SPREAD OVER 2 NON-CONSECUTIVE DAYS OF TESTING. CONTRACTOR SHALL ASSUME THE FOLLOWING HOURS:
 - 6 HOURS OF FOREMAN ELECTRICIAN'S TIME
 - 6 HOURS OF FIRE ALARM TECHNICIAN'S TIME

NOTE: CONTRACTOR TO TRACE OUT THESE CIRCUITS AND IDENTIFY ALL LOADS. REVIEW RESULTS W/ENGINEER

Panel LB (Existing)		Volts/Amps		Model/Cat#		Construct:	
		208Y/120V, 30/4W, 225A MLO				Surface mounted	
						Located in basement electric room	
SERVES	BRK/AMPS	# OF POLES	POLE SPACE #	POLE SPACE #	# OF POLES	BRK/AMPS	SERVES
RECEPTS EAST WALL & EAST CENTER LIBRARY BOOK SHELVES	20	1	1	2	1	20	SPARE (ON)
RECEPTS BETWEEN ELEV, GFI RECEPT MENS & WOMENS BATH	20	1	3	4	1	20	COMPUTER RECEPTS B-11 THRU B-22 NORTH WALL LIBRARY
RECEPTS LIBRARY CENTER WEST & JANITOR RM NORTH OF ELEVATOR	20	1	5	6	1	20	RECEPTS/LTS STUDY TABLES NORTH WALL LIBRARY
RECEPTS COMPUTER B-1 THRU B-10 NORTH WALL DESKS	20	1	7	8	1	20	SPARE (ON)
RECEPTS NORTH WALL LIBRARY & LITES B-1 THRU B10	20	1	9	10	1	20	COMPUTER RECEPTS B-23 THRU B-30 NORTH WALL LIBRARY
SPARE (ON)	20	1	11	12	1	20	LTS STUDY DESKS NORTH WALL LIBRARY
SPARE (ON)	20	1	13	14	1	20	SPARE (ON)
SPARE (ON)	20	1	15	16	1	20	RECEPTS COMPUTER SOUTHEAST CORNER LIBRARY
LIGHTS-RECEPTS, ELEVATOR PIT	20	1	17	18	1	20	RECEPTS SOUTHEAST CORNER LIBRARY & TABLE LTS
ELEVATOR CAR	20	1	19	20	1	20	RM B063 CHARGER RECEPTS
EM EXIT, FIRE DOORS, ELEVATOR LTS, RECEPT UNDER DRINK FOUNTAIN	20	1	21	22	1	20	RM B063 CHARGER RECEPTS
SPARE (ON)	20	1	23	24	1	20	SPARE (ON)
SPARE (ON)	20	1	25	26	1	20	SPARE (ON)
SPARE (ON)	20	1	27	28	1	20	SPARE (ON)
SPARE (ON)	20	1	29	30	1	20	SPARE (ON)
SPACE ELEV MACH RM LIGHTS	20	1	31	32	1	20	ELEV MACH RM RECEPT SPACE
SPACE	1	33	34	1			SPACE
SPACE	1	35	36	1			SPACE
SPACE	1	37	38	1			SPACE
SPACE	1	39	40	1			SPACE
SPACE	1	41	42	1			SPACE

2 E001 HOISTWAY LIGHTING ELEMENTARY



EQUIPMENT CIRCUITING & CONTROL SCHEDULE

ITEM #	EQUIPMENT	LOAD DATA				SUPPLY DATA				CONTROLS & LOCATION												REMARKS						
		HP	AMPS	VOLTS	PHASE	PANEL	BKR/POLES	WIRE	CDT	FUSED DISC. SWITCH BY DIV 26	CIRCUIT BREAKER BY DIV 26	FEEDING RE-CONNECTED BY DIV 26	USE ALARM CONTROLLER RELAYS BY DIV 26	CONNECTION BY DIV	UNIT STARTUP BY DIV	LIQUIDTIGHT FLEX AT FINAL QUANT BY DIV	DISCONNECT BY DIV 26	CONNECTION USED BY DIV 26	TEMP CONTROL BY DIV 23, INSTALL BY DIV 26	20AMP/1 POLE OCT BY DIV 26	FINAL CONNECTION BY DIV							
①	ELEVATOR 1	30	40	480	3																						①	ALSO (1) 20A CCT FOR ELEV CAR LIGHTS/FAN AS SHOWN
②	ELEVATOR 2	40	52	480	3																						②	ALSO (1) 20A CCT FOR ELEV CAR LIGHTS/FAN AS SHOWN
③	ACCU-1	-	16	208	1	ELB																					③	SEE DETAIL 4/E901 FOR INTERCONNECT INFORMATION
④	AC-1					ELB																					④	SEE DETAIL 4/E901 FOR INTERCONNECT INFORMATION
⑤	OIL COOLER	1	9.6	120	1	ELB	20A/1P	2#12	1#12	3/4" EMT																	⑤	TWO (2) UNITS, CIRCUIT SEPARATELY
⑥	CP-1	1/30	1.5A	120	1	ELB	20A/1P	2#12	1#12	3/4" EMT																	⑥	REMOVE CORD AND PLUG CONNECTION AND HARDWARE TO TOGGLE DISCONNECT

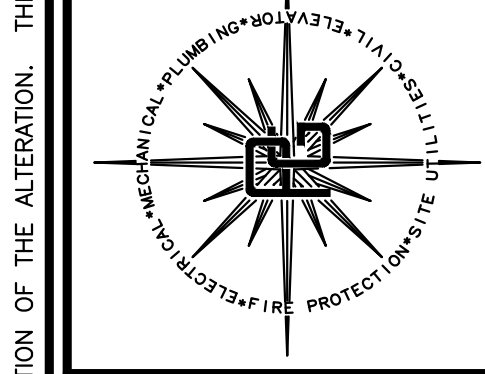
AUTOMATIC TRANSFER SWITCH SCHEDULE

DESIGNATION	VOLTAGE & PHASE	CURRENT	SWITCHED POLES	NEUTRAL CONFIG.	SERVICE ENTRANCE?	TRANSFER TYPE	BYPASS ISOLATION?	INTERRUPTING RATING	ENCLOSURE RATING	ASCO ATS FRAME TYPE	MODEL NUMBER	ACCESSORIES
ELEV-ATS	480V 30/3W	200 A	THREE	SOLID	NO	DELAYED TRANSITION	NO	42KVAIC 0.85S TIME-BASED	NEMA 1	J-FRAME	J-7ADTS-A-3-200-N-SX-C	30A, 31Z

FIXTURE SCHEDULE

SYMBOL	TYPE & SIZE	VOLTS	LAMP(S)	MFR & MODEL
A	8" x 2" SURFACE MOUNTED WRITTE INDUSTRIAL LED FIXTURE 5-3/32"W x 25-13/16"L x 3-7/8"D	120-277	LED MODULE, 3500K, 2249 DELIVERED LUMENS, 80 CRI	COOPER METALUX MODEL 24PVLD-20L835 OR EQUAL IN LITHONIA OR COLUMBIA
B	9" x 4" SURFACE MOUNTED ACRYLIC WRAP LED FIXTURE 9-1/4"W x 48"L x 3-3/16"D	120-277	LED MODULE, 3500K, 4000 DELIVERED LUMENS, 80 CRI	COOPER METALUX MODEL #KLEDEL-104-FC3L-UNV-L835 OR EQUAL IN LITHONIA OR COLUMBIA

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 Syracuse, New York 13210-4144
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 email: email@pgeengineers.com



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 NYS PE LICENSE # 082424
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Date	Revision

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ELECTRICAL NOTES AND SCHEDULES
CORNELL UNIVERSITY
 MYRON TAYLOR JANE FOSTER
 ELEVATOR MODERNIZATION 2026

Panel ELB (PROPOSED)

Panel ELB (PROPOSED)		Volts/Amps		Model/Cat#		Construct:	
		208Y/120V, 30/4W, 225A MLO		Eaton PRLIX		Surface mounted	
						Located in basement electric room	
SERVES	BRK/AMPS	# OF POLES	POLE SPACE #	POLE SPACE #	# OF POLES	BRK/AMPS	SERVES
RECEPTS	20	1	1	2	1	20	FA PANEL
UNIT HEATER	20	1	3	4	1	20	FA PANEL
GENERATOR BATTERY CHARGER	20	1	5	6	1	20	LIGHTS
GENERATOR CONTROLS	20	1	7	8	1	20	GENERATOR BLOCK HEATER
RECEPTS & LIGHTS, HONEYWELL EP, UNKNOWN	20	1	9	10	2	20	HEAT CABLES
ELEVATOR LITES, DOOR HOLDERS, EMG LIGHTS	20	1	11	12	1	20	
			13	14			
PANEL EL-1 (JANE FOSTER)	60	3	15	16	3	60	PNAEL EH-1
			17	18			
			19	20			
SPARE (ON)	20	2	21	22	3	60	PANEL EL-G
			23	24			
ELEVATOR SHUNT TRIP	20	1	23	24			
ELEVATOR 1 CAR LIGHT/FAN	20	1	25	26	2	20	ELEVATOR MACH RM A/C
ELEVATOR 2 CAR LIGHT/FAN	20	1	27	28			
ELEVATOR MACH RM CONDENSATE PUMP	20	1	29	30	1	20	ELEVATOR 1 OIL COOLER
ELEVATOR 2 OIL COOLER	20	1	31	32	1	20	SPARE
SPACE	20	1	33	34	1		SPACE
SPACE	1	35	36	1			SPACE
SPACE	1	37	38	1			SPACE
SPACE	1	39	40	1			SPACE
SPACE	1	41	42	1			SPACE

NOTE: CONTRACTOR TO TRACE OUT THIS CIRCUIT AND IDENTIFY ALL LOADS. REVIEW RESULTS W/ENGINEER

Project/Sheet Title

Scale	AS SHOWN
Date	MAY 15, 2026
Drawn	CBL
Designed	MAP
Checked	C.E. LOOMIS, PE
Project No.	CORNELL 12652 / PGPC 950001
Drawing No.	

E001

CONFORM TO INDICATED DIMENSIONS RATHER THAN DIMENSIONS SCALED FROM DRAWING. GRAPHIC SCALE PROVIDED HEREIN FOR GENERAL INFORMATION AND TO CONFIRM WHEN DRAWING SIZE HAS BEEN REDUCED OR INCREASED IN REPRODUCTION.

FIRE ALARM NOTES

1
E002

GENERAL NOTES:

- ALL REMOVED FIRE ALARM DEVICES SHALL BE TURNED OVER TO OWNER, UNLESS NOTED OTHERWISE.
- ALL SIGNALING LINE CIRCUITS (SLCs) SHALL BE CONFIGURED AS CLASS B, STYLE 4 PER NFPA 72-2016.
- ALL NOTIFICATION APPLIANCE CIRCUITS (NACs) SHALL BE CONFIGURED AS CLASS B PER NFPA 72-2016.
- ALL FIRE ALARM DEVICES NOTED AS "TO BE SALVAGED" SHALL BE SALVAGED & STORED & PROTECTED BY THE ELECTRICAL CONTRACTOR FOR THE DURATION OF THE PROJECT, UNLESS NOTED OTHERWISE.
- ALL DRAWINGS AND DETAILS LABELED AS "SCHEMATIC" HAVE BEEN PROVIDED FOR INFORMATIVE PURPOSES ONLY. ALL FIRE ALARM SYSTEMS SHALL BE WIRED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, IN COMPLIANCE WITH NFPA 72-2022, AND AS FIELD CONDITIONS DICTATE.

PATHWAY NOTES:

- ALL RISER CONDUIT SHALL BE EMT, MINIMUM SIZE PER THE DRAWINGS.
- ALL HORIZONTAL BRANCH CONDUIT INSTALLED WITHIN EXISTING SOFFITS SHALL BE EITHER EMT OR GREENFIELD FLEX, AT THE CONTRACTOR'S OPTION.
- ALL HORIZONTAL BRANCH CONDUIT INSTALLED ABOVE LAY-IN CEILINGS OR EXPOSED IN MECHANICAL ROOMS SHALL BE EMT.
- ALL HORIZONTAL BRANCH PATHWAYS SHOWN TO BE INSTALLED EXPOSED IN COMMON/PUBLIC/ AREAS SHALL BE WIREMOLD, SIZE PER THE DRAWINGS.
- ALL WORK IN NEW OR EXISTING METAL STUD WALLS SHALL BE CONCEALED.
- ALL WORK IN NEW WALLS SHALL BE CONCEALED.
- SURFACE RACEWAY AND SURFACE-MOUNTED DEVICES SHALL ONLY BE PERMITTED AS SHOWN ON THE DRAWINGS, OR AT THE DISCRETION OF THE ARCHITECT/ENGINEER/OWNER.
- ALL HORIZONTAL MAIN CONDUIT PATHWAYS SHALL BE A MINIMUM 1" TRADE SIZE UNLESS NOTED OTHERWISE. INDIVIDUAL BRANCH CONDUITS TO SINGLE DEVICES ARE ALLOWABLE TO BE 3/4" TRADE SIZE UNLESS NOTED OTHERWISE.

CIRCUIT INTEGRITY CABLE:

- CIRCUIT INTEGRITY CABLE SHALL NOT BE REQUIRED FOR THE NOTIFICATION SPEAKER OR STROBE CIRCUITING IN THIS BUILDING. PER NFPA 72-2023 PART 6.9.10 & 6.9.10.4, 2-HOUR RATED C.I. CABLE IS REQUIRED ONLY FOR SYSTEMS UTILIZED FOR PARTIAL EVACUATION OR RELOCATION OF OCCUPANTS.

CONDUCTOR NOTES:

- IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO VERIFY CONDUCTOR SIZE WITH THE FIRE ALARM VENDOR. CONTRACTOR SHALL PROVIDE AND INSTALL RECOMMENDED CONDUCTORS ACCOUNTING FOR LENGTH OF RUN AND ACCOMMODATE APPLICABLE VOLTAGE DROP. DIRECT ANY MANUFACTURER'S QUESTIONS REGARDING THE USE OF STRANDED CABLE TO THE ENGINEER.
- EXTEND NEW CIRCUITS TO NEW DEVICES IN EMT, GREENFIELD FLEX, OR WIREMOLD AS SHOWN.
- THE DESIGN BASIS FOR CONDUCTORS FOR CONDUIT SIZING ASSUMES UTILIZING WEST-PENN BRAND NON-CIRCUIT INTEGRITY CONDUCTORS AND BELDEN BRAND CIRCUIT INTEGRITY CONDUCTORS AS SCHEDULED. IF ALTERNATE BRAND CONDUCTORS ARE UTILIZED, THE CONTRACTOR SHALL MODIFY THE CONDUIT SIZES AS REQUIRED FOR A MAXIMUM OF 40% CONDUIT FILL RATIO. PROVIDE CONDUIT FILL CALCULATIONS IF AN ALTERNATE BRAND CABLE MANUFACTURER IS SELECTED.

KEY TO SYMBOLS: FIRE ALARM

2
E002

- FACP FIRE ALARM CONTROL PANEL
- VA-FIRE FIRE ALARM NOTIFICATION DEVICE - COMBINATION SPEAKER/STROBE - CANDELA & WATTAGE SPECIFIED
- SM SIGNAL MODULE
- FACR FIRE ALARM CONTROL RELAY
- MR-101/201 POWER RELAY
- SD SMOKE DETECTOR

DEVICE/ LOCATION	FUNCTION	INITIATE BUILDING ALARM	INITIATE TROUBLE	INITIATE SUPERVISORY	PRIMARY RECALL	SECONDARY RECALL	FIREFIGHTERS HAT	SHUNT-TRIP ELEVATOR BREAKERS (45 SECOND DELAY)	MR-201 (45 SEC SHED (SEE DETAIL))
EXISTING BASEMENT LEVEL ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING BASEMENT LEVEL REAR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING GROUND FLOOR ELEVATOR LOBBY SMOKE DETECTOR		X				X			
EXISTING GROUND FLOOR REAR ELEVATOR LOBBY SMOKE DETECTOR		X				X			
EXISTING 1ST FLOOR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING 1ST FLOOR REAR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING 2ND FLOOR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING 2ND FLOOR REAR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING 3RD FLOOR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING 3RD FLOOR REAR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING 4TH FLOOR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
EXISTING 4TH FLOOR REAR ELEVATOR LOBBY SMOKE DETECTOR		X			X				
ELEVATOR MACHINE ROOM SMOKE DETECTOR (MYRON TAYLOR DEVICE)		X			X		X		
ELEVATOR MACHINE ROOM SMOKE DETECTOR (HUGHES HALL DEVICE)		X							
ELEVATOR MACHINE ROOM HEAT DETECTOR		X			X		X	X	
EXISTING SHUNT TRIP POWER MONITOR			X						
ATRIUM SMOKE DETECTION (SMOKE PURGE MODE)									X

NOTES:

- PRIMARY RECALL FLOOR IS GROUND FLOOR. SECONDARY RECALL FLOOR IS 1ST FLOOR

FIRE ALARM CODE COMPLIANCE STATEMENTS & PERMIT REQUIREMENTS

1. PROJECT NAME:	1. MYRON TAYLOR HALL ELEVATOR MODERNIZATION 2025
2. ADDRESS OF PROJECT:	2. CORNELL UNIVERSITY MYRON TAYLOR HALL 524 COLLEGE AVE ITHACA, NY 14850
3. ENGINEER OF RECORD FULL NAME AND SIGNATURE:	3. CHAD E. LOOMIS, PE
4. BUSINESS NAME, ADDRESS, AND LICENSE NUMBER OF INSTALLING CONTRACTOR:	4. TO BE DETERMINED. THIS INFORMATION WILL BE INDICATED ON THE APPROVED FIRE ALARM SUBMITTAL PACKAGE.
5. CENTRAL STATION FACILITY AND UL NUMBER:	5. FACILITY IS MONITORED BY A PROPRIETARY SUPERVISING STATION, NOT A CENTRAL STATION. PROPRIETARY SUPERVISING STATION IS LOCATED AT THE FOLLOWING ADDRESS: CORNELL UNIVERSITY BARTON HALL 117 STATLER DRIVE ITHACA, NY 14853
6. OCCUPANCY GROUP(S) OF BUILDING OR AREA MODIFIED AS A PART OF THIS PROJECT AS DEFINED BY NYSFC:	6. BUSINESS GROUP B - UNIVERSITY OFFICES AND CLASSROOMS ASSEMBLY GROUP A3 - LARGE CONFERENCE ROOMS/CLASSROOMS AND LIBRARY
7. NUMBER OF BUILDING STORIES:	7. 6
8. ELEVATION OF HIGHEST OCCUPIED FLOOR LEVEL ABOVE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS:	8. 44' (±)
9. OVERALL BUILDING HEIGHT:	9. 100' (±)
10. BUILDING CONSTRUCTION TYPE:	10. IIB
11. OVERALL SCOPE OF WORK:	11. SCOPE OF WORK GENERALLY AS FOLLOWS: 11.1. PROVIDE REMOVALS AND REINSTALLATION OF EXISTING ELEVATOR RECALL DEVICES. 11.2. PROVIDE REMOVAL OF EXISTING HOSTWAY VENTING. 11.3. PROVIDE RECONFIGURATION OF FA DEVICES AS REQUIRED TO SUPPORT ELEVATOR MACHINE ROOM RELOCATION.
12. IS THE WORK CODE REQUIRED, REQUIRED BY STATE VARIANCE, OR A VOLUNTARY SYSTEM UPGRADE?	12. THE FIRE ALARM WORK IS REQUIRED TO SUPPORT THE OVERALL ELEVATOR MODERNIZATION PROJECT.
13. ANNUNCIATION ZONE ASSIGNMENTS OR ADDRESSABLE DEVICE ADDRESSES:	13. THE EXISTING BUILDING FIRE ALARM IS A FULLY ADDRESSABLE FIRE ALARM SYSTEM. NO CHANGES ARE PROPOSED TO THE ADDRESSES OR ZONES.
14. DESCRIPTION OF BUILDING FIRE PROTECTION SPRINKLER SYSTEM:	14. EXISTING WET PIPE SPRINKLER SYSTEM THROUGHOUT WITH STANDPIPE SYSTEMS.
15. CODE COMPLIANCE STATEMENT:	15. THE PROJECT HAS BEEN DESIGNED AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 (2022 EDITION), THE 2025 EXISTING BUILDING CODE OF NEW YORK STATE, AND THE 2025 NEW YORK STATE FIRE CODE, AND THE 2023 NEC (NFPA 70).

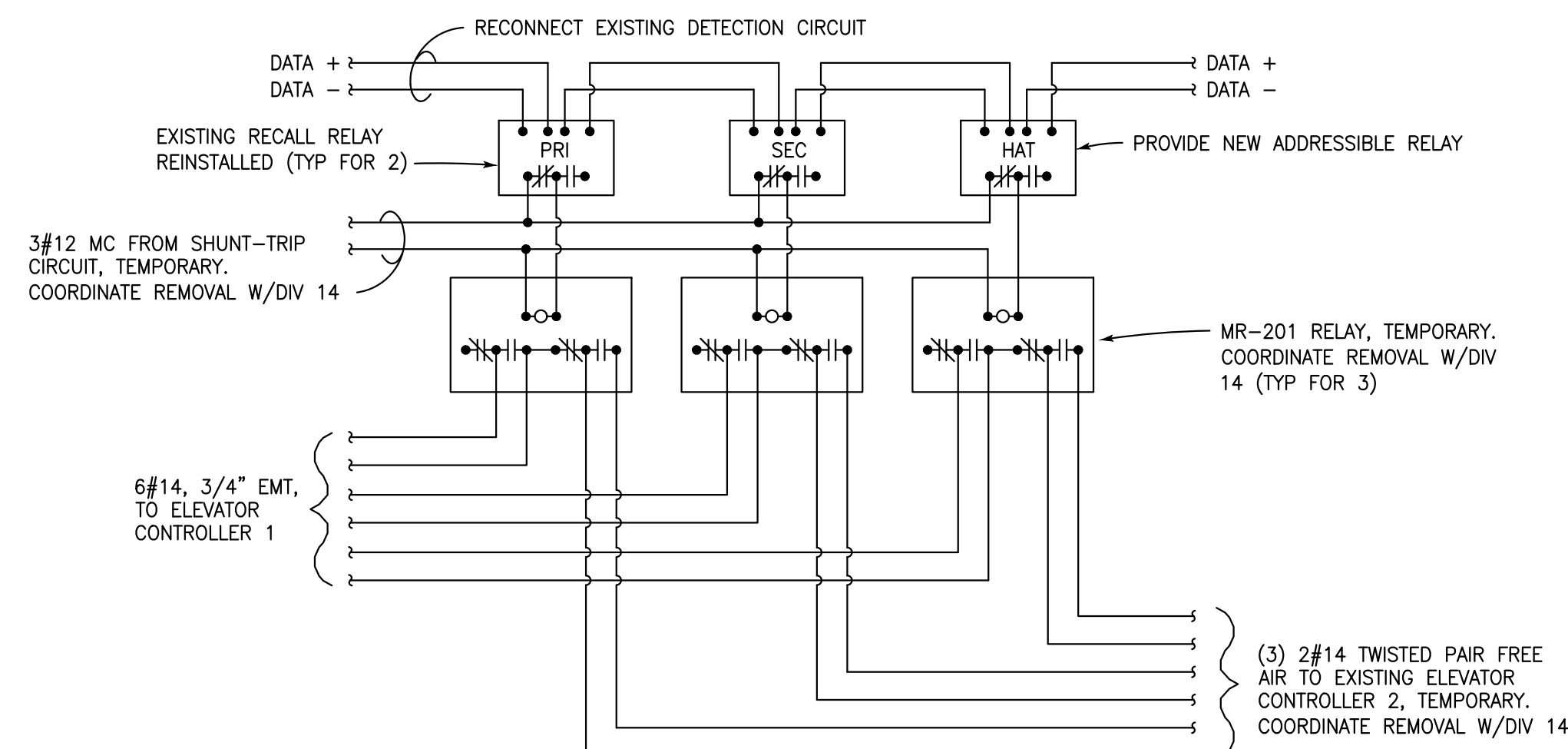
3 E002 FIRE ALARM CONDUCTOR SCHEDULE

SYMBOL	CIRCUIT TYPE	REQUIRED	SUITABLE CONDUCTORS	WESTPENN MODEL	BELDEN MODEL	TAPPAN WIRE MODEL	THIN PERMISSIBLE
D	SLC DETECTION	1 PAIR TWISTED	1 PAIR TWISTED #18 1 PAIR TWISTED #16	N/A 9905**	5340U1 5240U1	F50135.1/ 1680AB2/FPLR	NO

NOTES:

- ALL CONDUCTORS SHALL BE STRANDED. USE CRIMP CONNECTIONS OR CAPTIVE SCREW CONNECTIONS. SUBMIT SHOP DRAWINGS.
- ** = PREFERRED CONDUCTOR TYPE, SEE CONDUCTOR NOTES

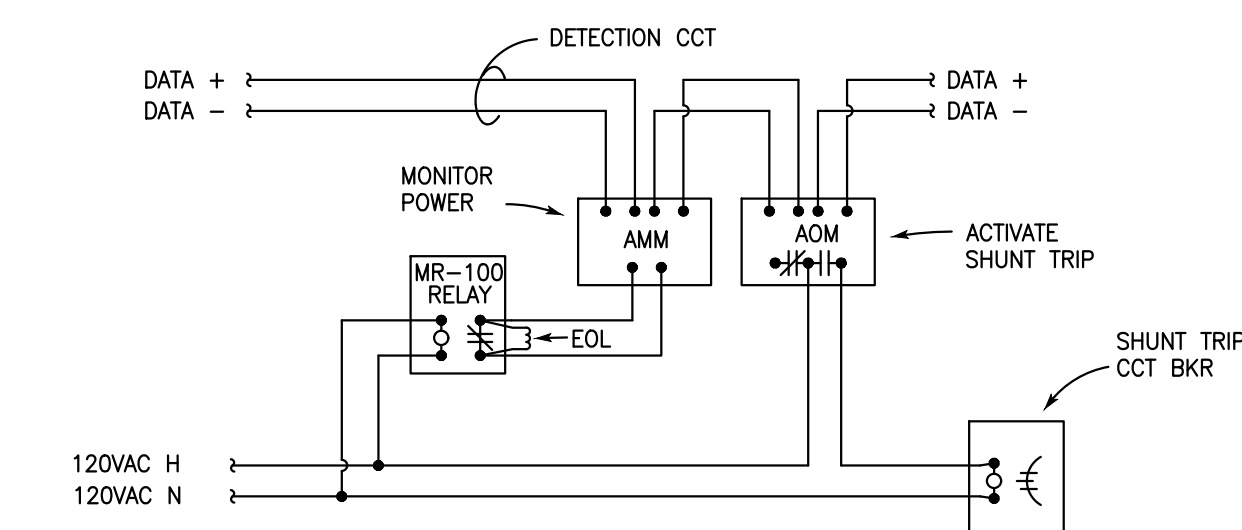
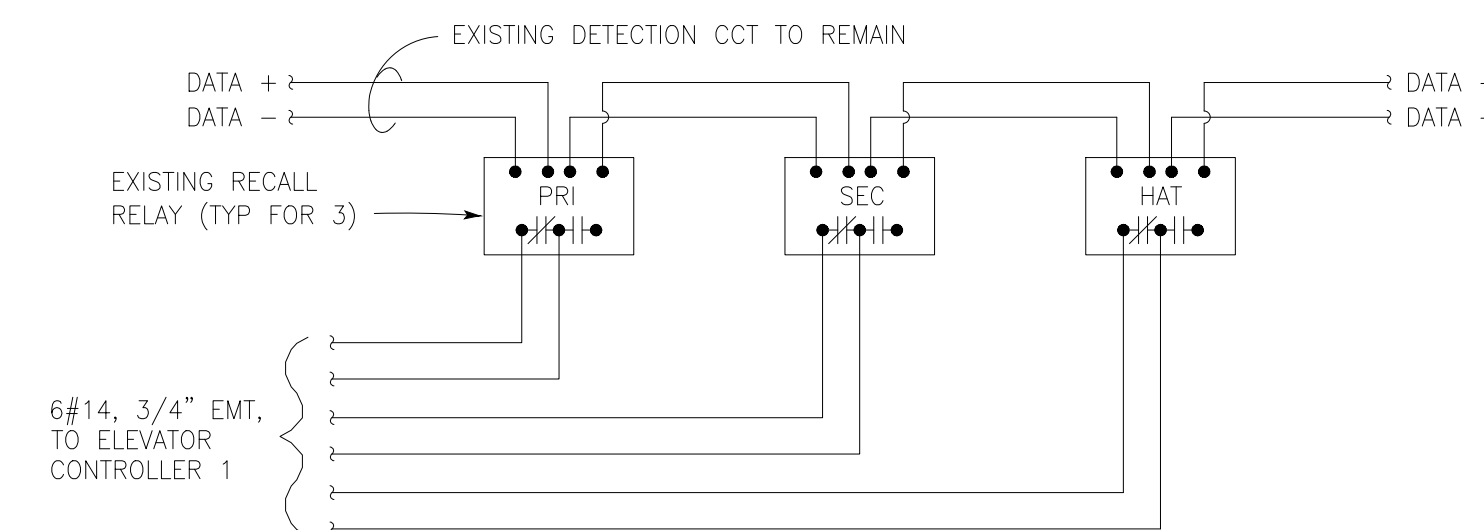
PHASE 1 TEMPORARY RECALL ARRANGEMENT



4 E002 ELEVATOR RECALL SCHEMATIC

NOT TO SCALE

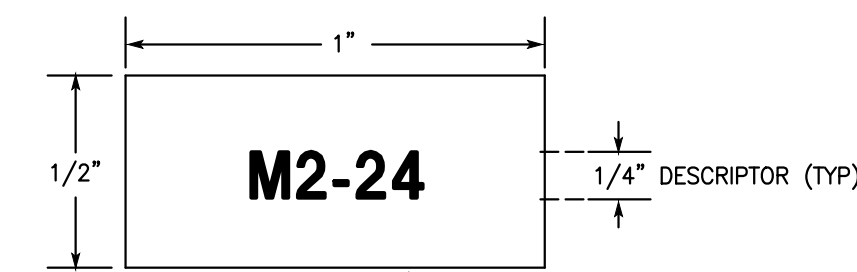
PHASE 2 PERMANENT RECALL ARRANGEMENT



5 E002 ELEVATOR SHUNT TRIP ELEMENTARY

NOT TO SCALE

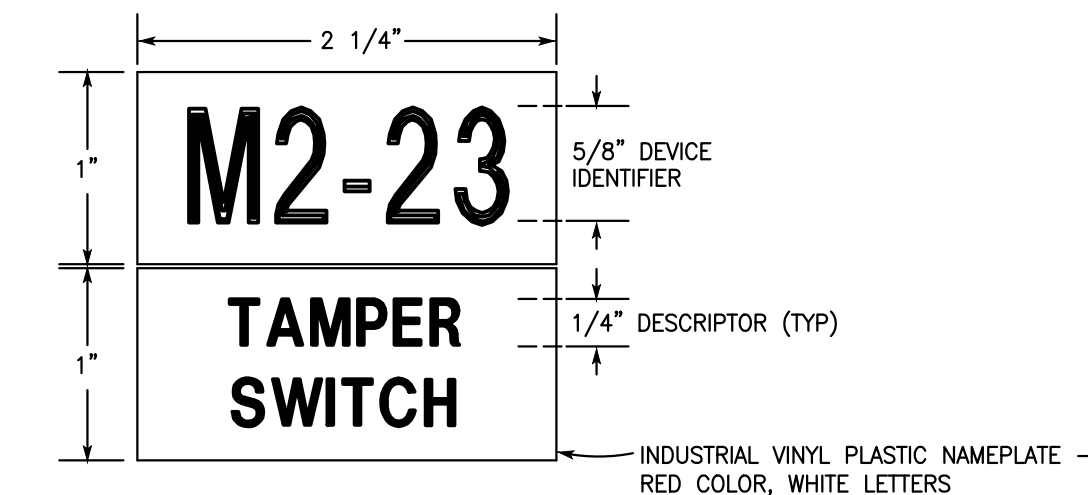
PROVIDE LABELS FOR ALL NEW FIRE ALARM DEVICES INSTALLED UNDER THIS PROJECT. INSTALL ON DEVICE. PROVIDE SHOP DRAWING.



6 E002 TYPICAL SMOKE/HEAT DETECTOR NAMEPLATE TAGGING DETAIL

NOT TO SCALE

PROVIDE NAMEPLATES FOR ALL NEW & EXISTING FIRE ALARM DEVICES THROUGHOUT THE BUILDING. INSTALL ON 4x4 JB COVER. PROVIDE SHOP DRAWING.

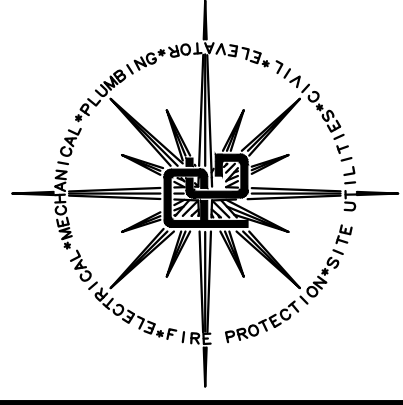


7 E002 TYPICAL FA DEVICE NAMEPLATE

NOT TO SCALE

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NYS PE LICENSE # 082424
Registered Through 06/30/2028

Date	Revision

FIRE ALARM NOTES, DETAILS, AND SCHEDULES

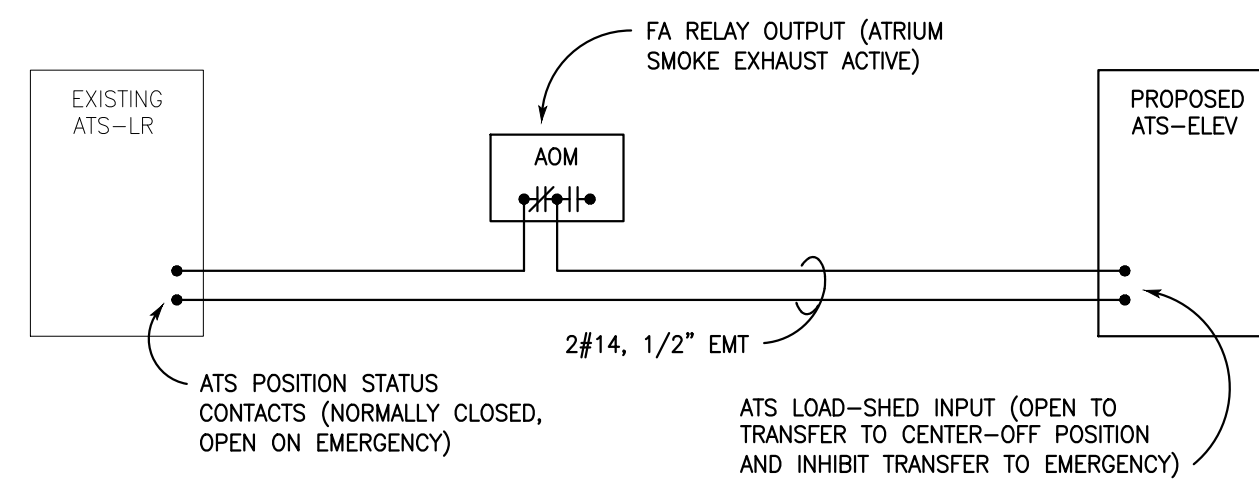
CORNELL UNIVERSITY
MYRON TAYLOR JANE FOSTER
ELEVATOR MODERNIZATION 2026

Scale	AS SHOWN
Date	MAY 15, 2026
Drawn	CBL
Designed	MAP
Checked	C.E. LOOMIS, PE

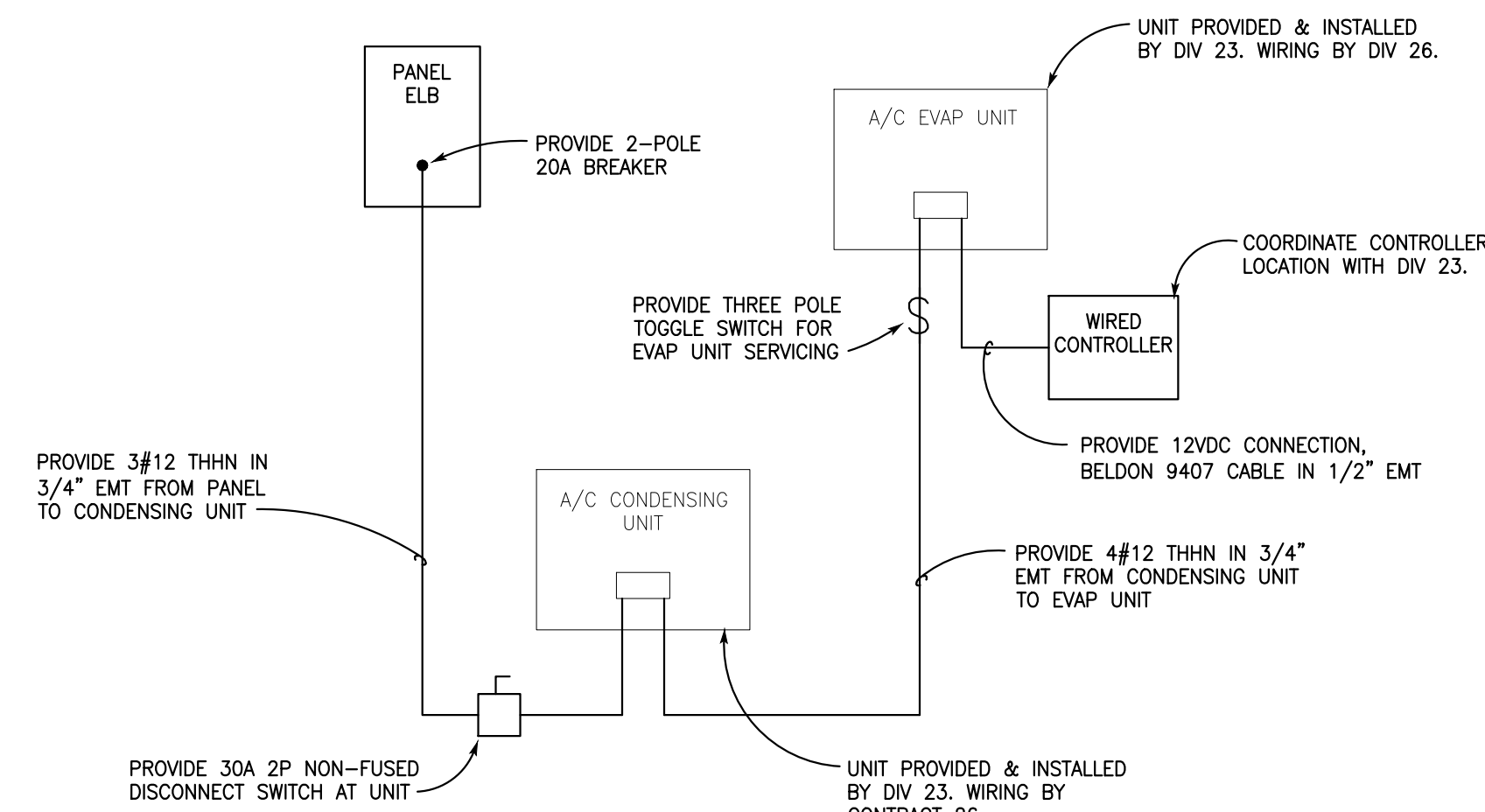
Project No.
CORNELL 12652 / PGPC 950001
Drawing No.

E002

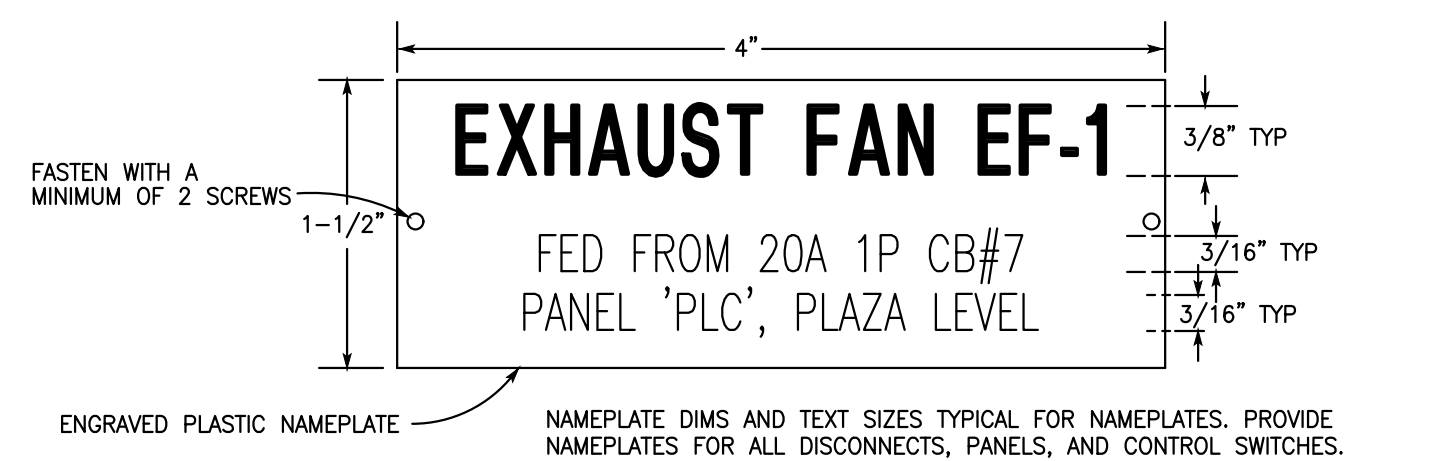
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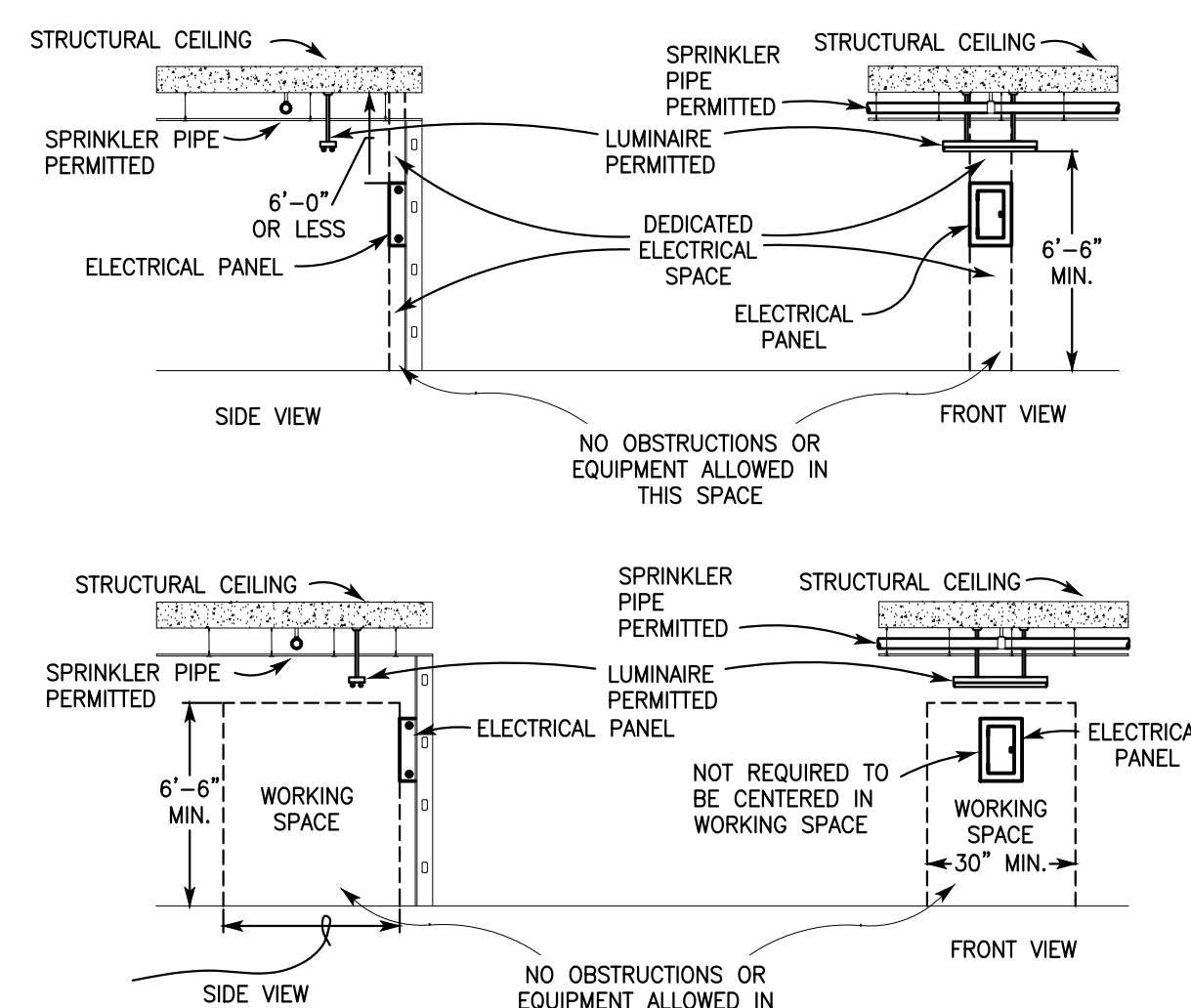
1 ATS-ELEV LOAD SHED ELEMENTARY
E003 NOT TO SCALE



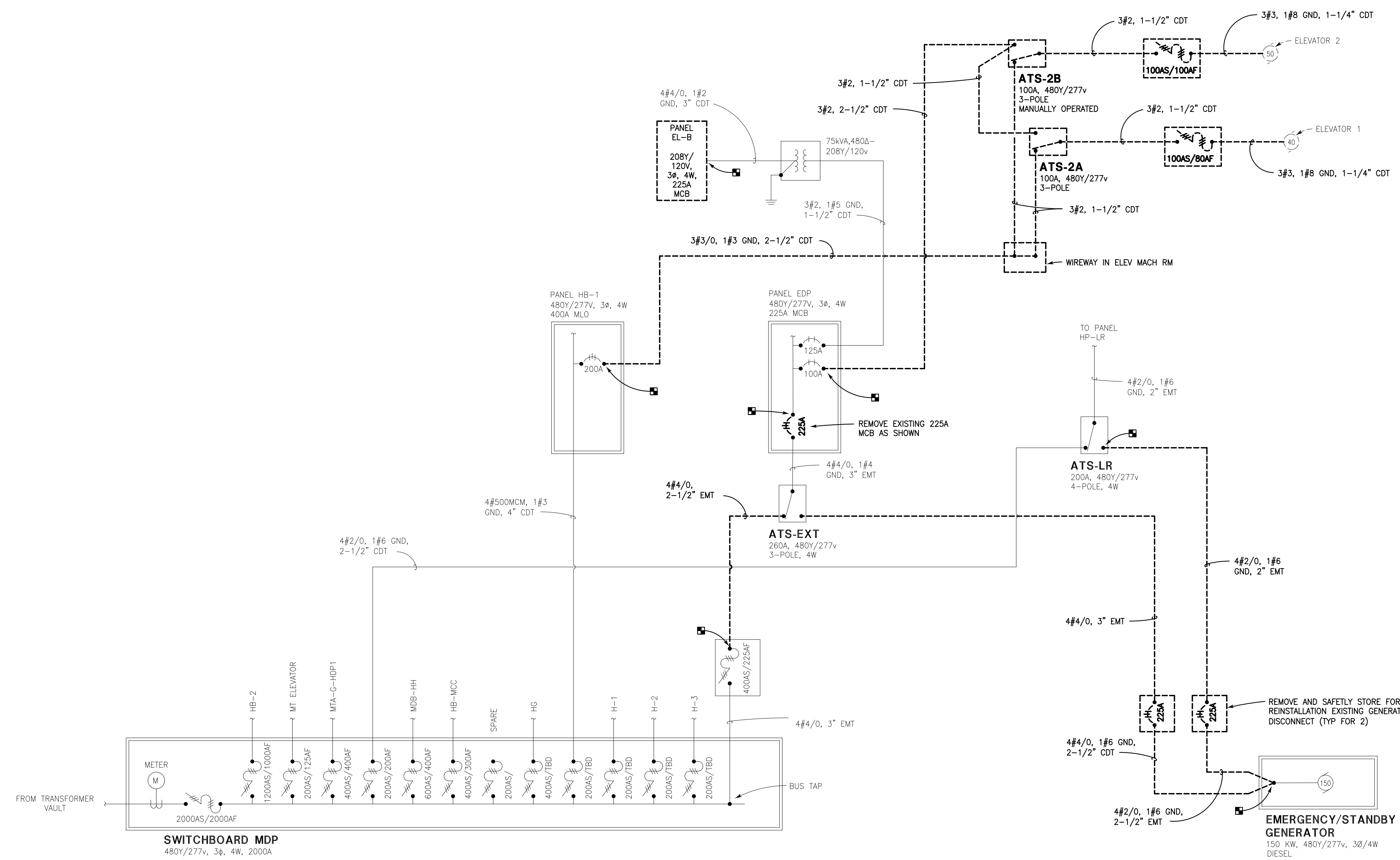
2 ELEVATOR MACHINE ROOM A/C UNIT WIRING SCHEMATIC
E003 NOT TO SCALE



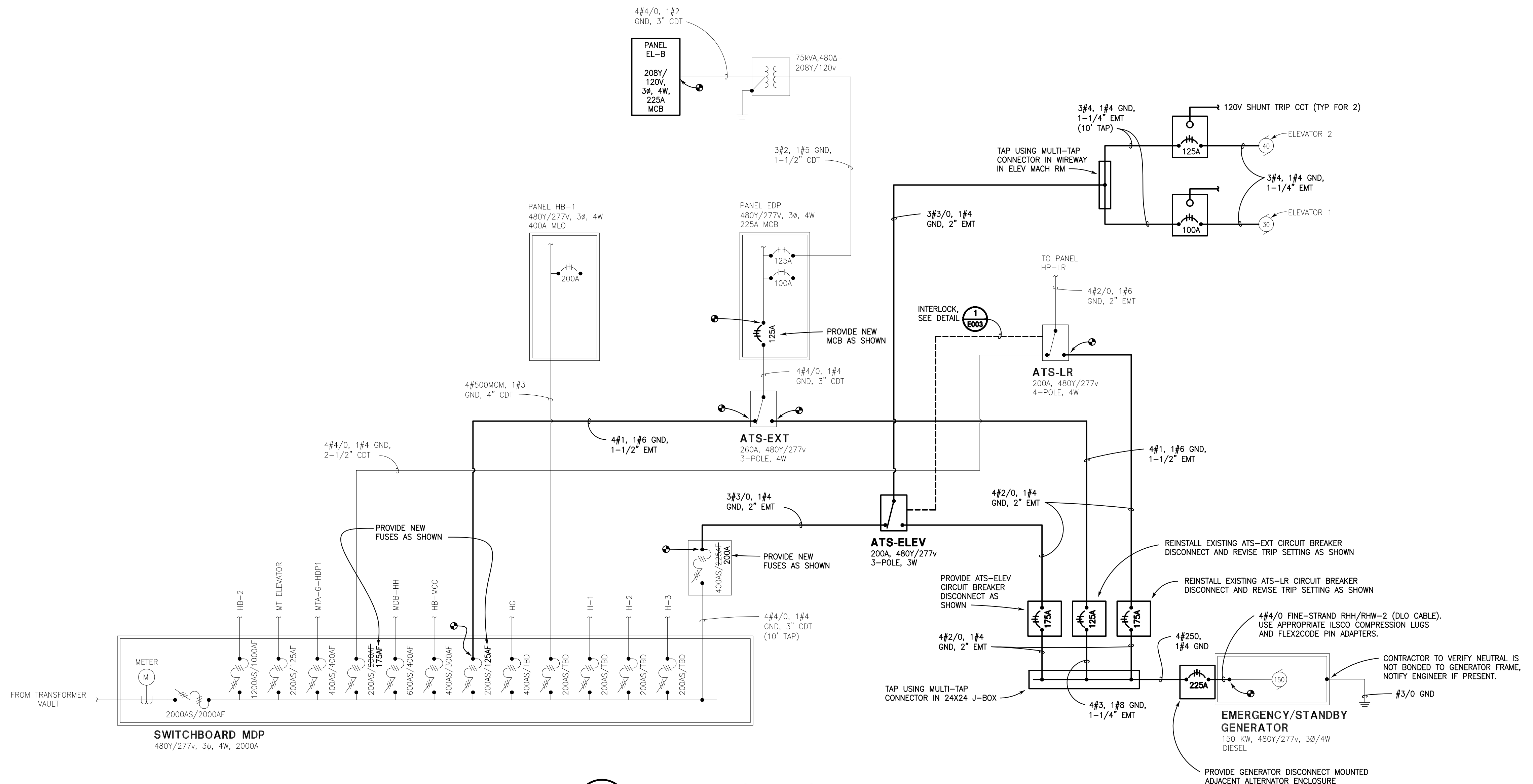
3 TYPICAL NAMEPLATE DETAIL
E003 NOT TO SCALE



4 CLEARANCES AROUND PANEL
E003 NOT TO SCALE



5 PARTIAL POWER ONE-LINE - REMOVALS
E003 NOT TO SCALE



6 PARTIAL POWER ONE-LINE
E003 NOT TO SCALE

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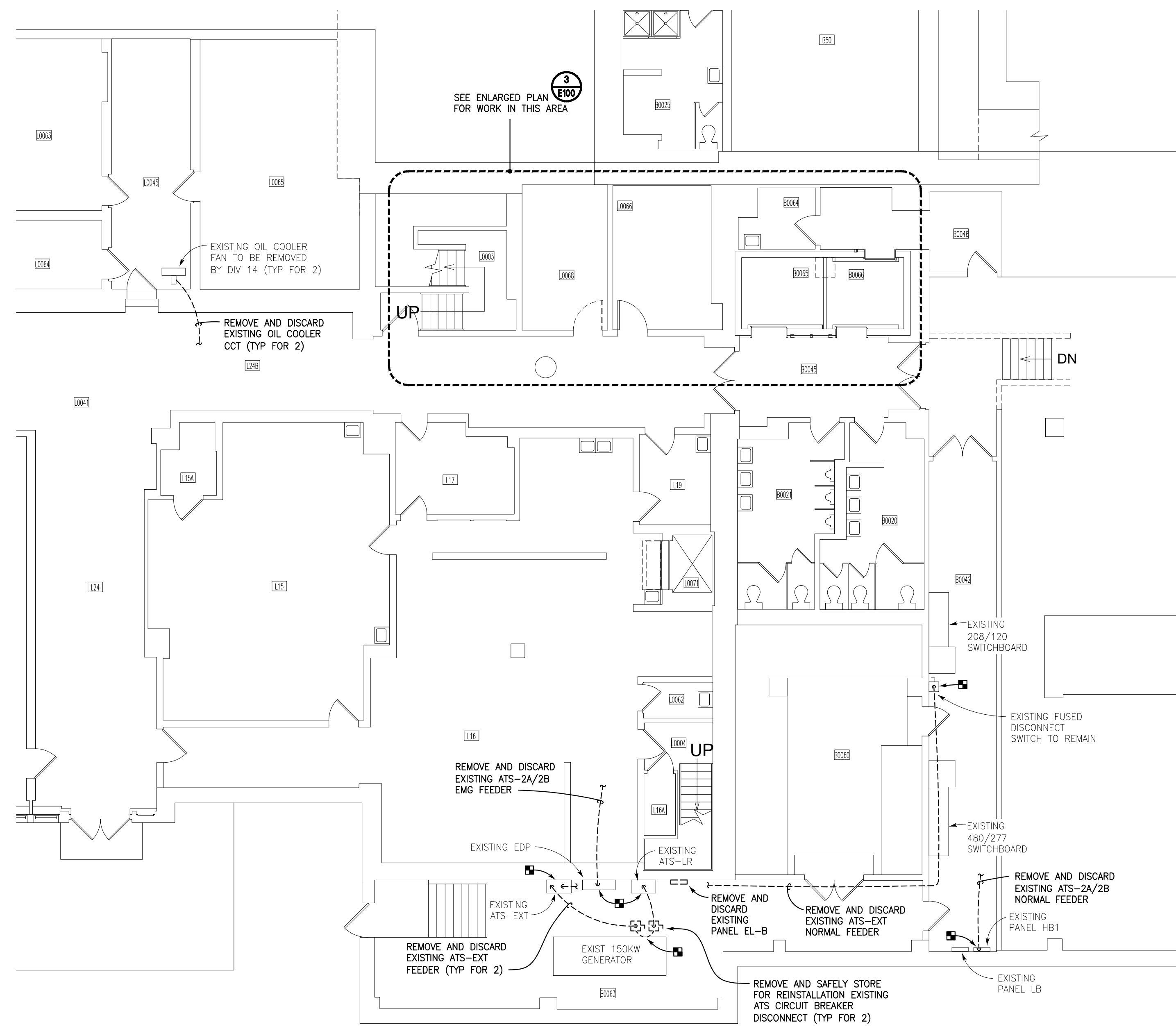
Date	Revision

ELECTRICAL ONE-LINE AND DETAILS
CORNELL UNIVERSITY
MYRON TAYLOR JANE FOSTER
ELEVATOR MODERNIZATION 2026

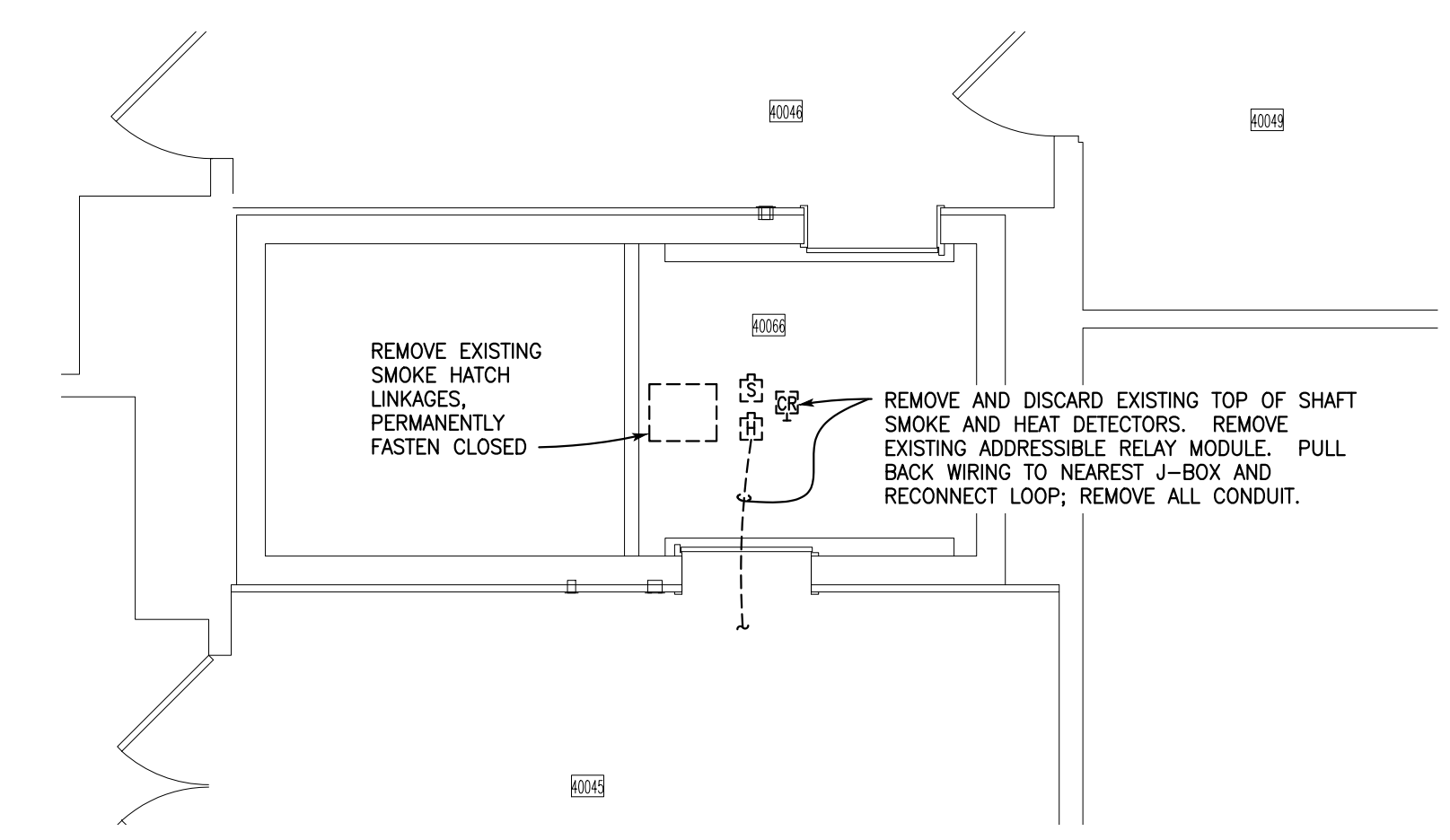
Scale	AS SHOWN
Date	MAY 15, 2026
Drawn	CBL
Designed	MAP
Checked	C.E. LOOMIS, PE
Project No.	CORNELL 12652 / PGPC 950001
Drawing No.	E003

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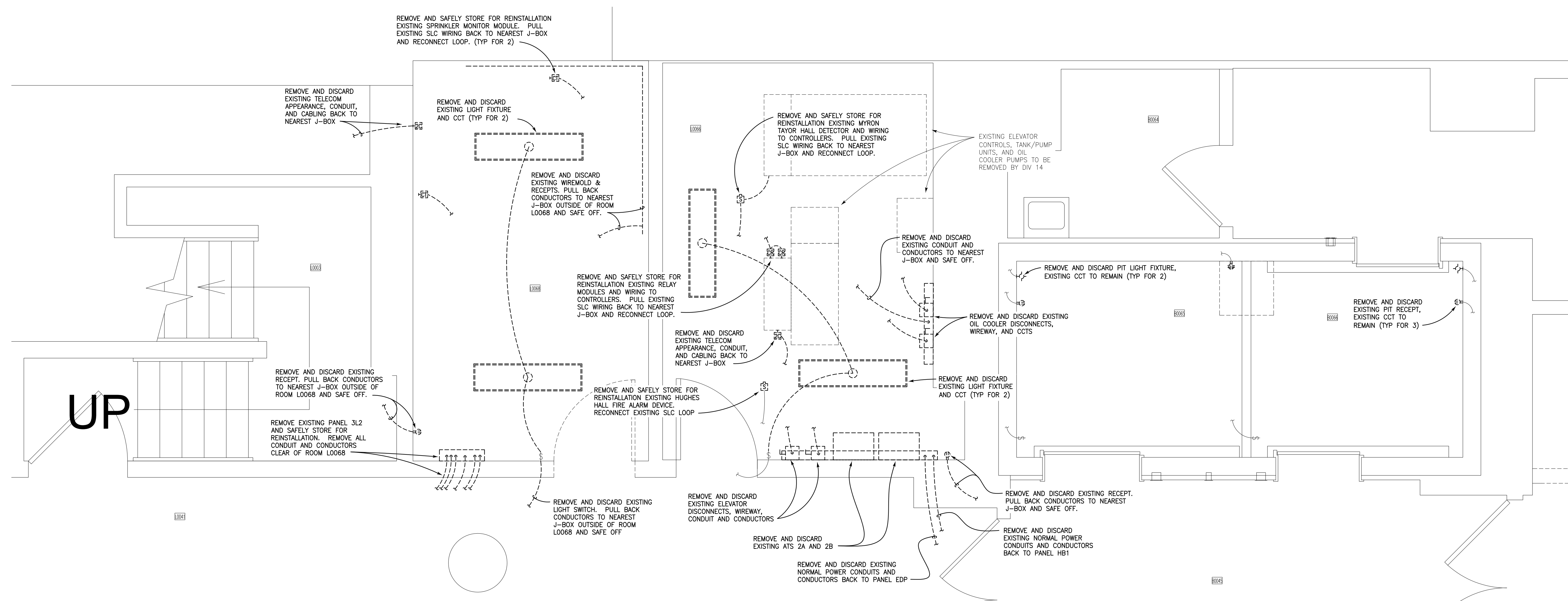
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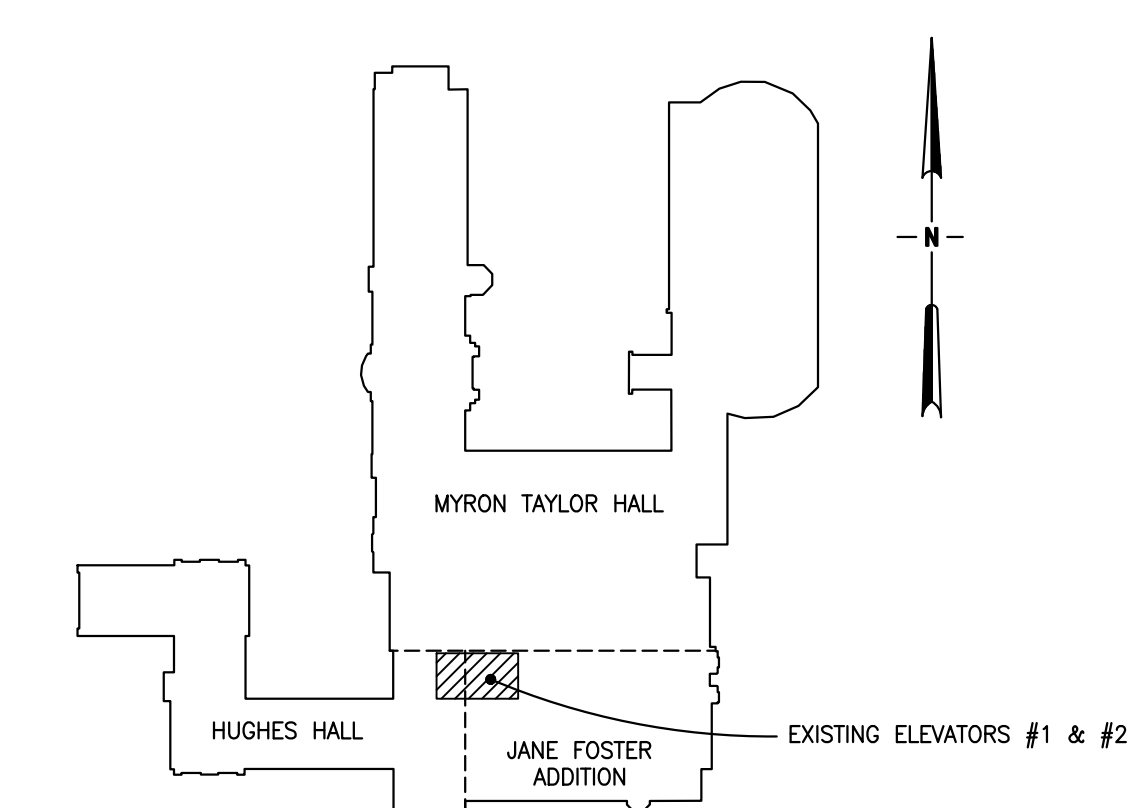
1 PARTIAL BASEMENT REMOVALS PLANS
E100 SCALE: 1/8" = 1'-0"



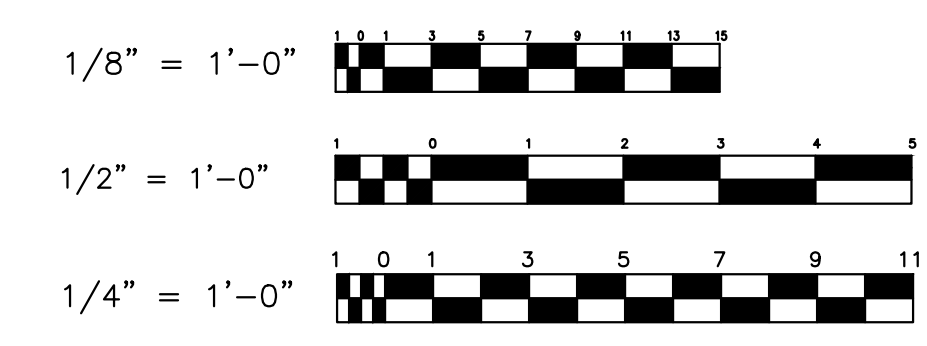
2 PARTIAL 4TH FLOOR REMOVALS PLAN
E100 SCALE: 1/4" = 1'-0"



3 ENLARGED ELEVATOR MACHINE ROOM REMOVALS PLAN
E100 SCALE: 1/2" = 1'-0"

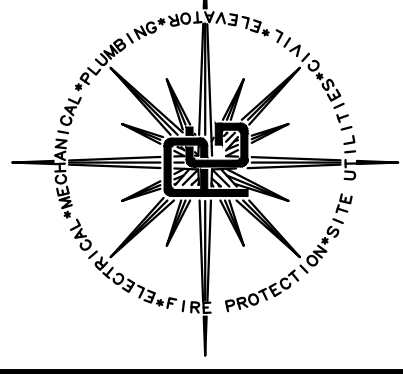


4 KEY PLAN
E100 NO TO SCALE



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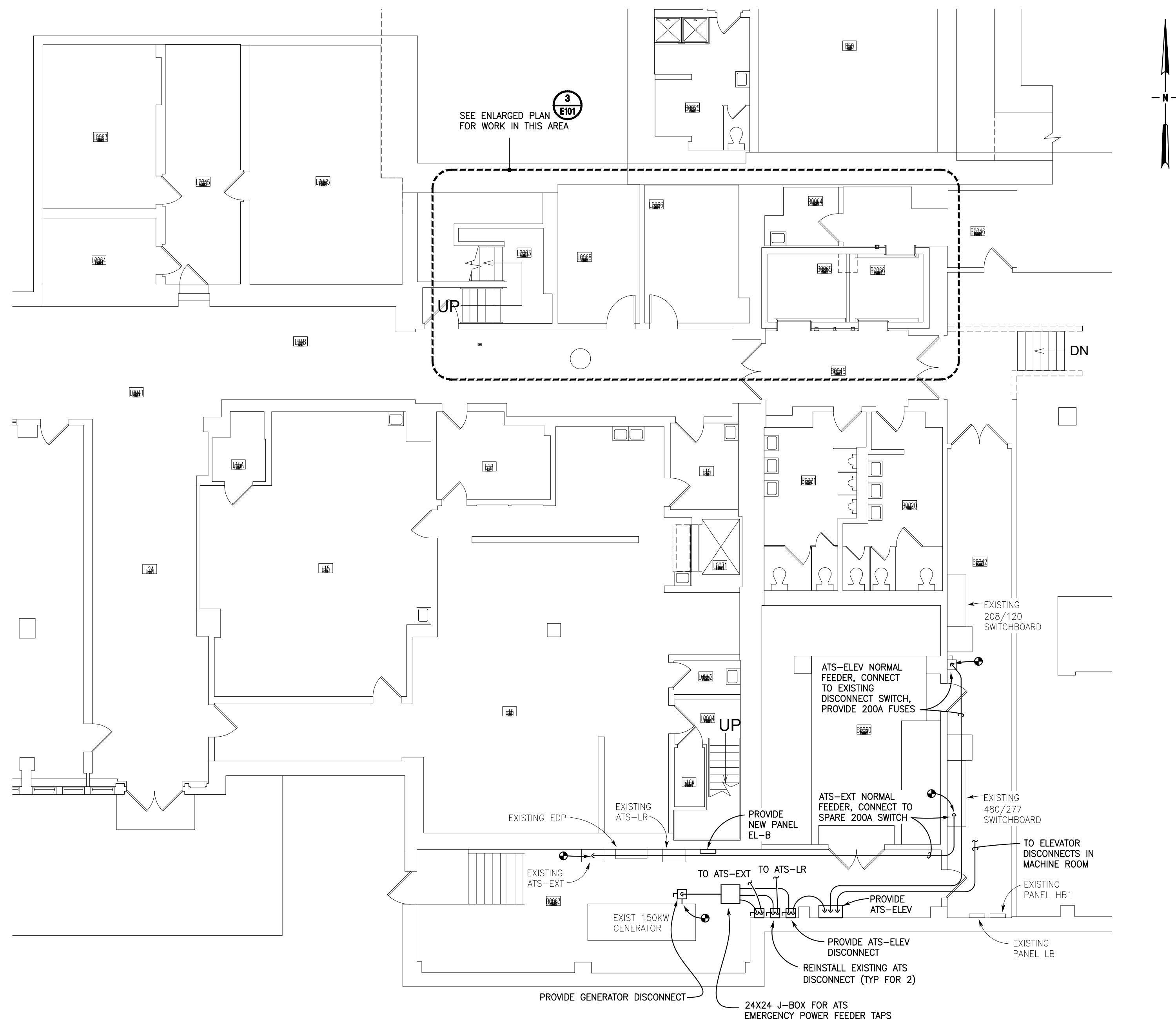
ELECTRICAL REMOVAL PLANS
CORNELL UNIVERSITY
MYRON TAYLOR JANE FOSTER
ELEVATOR MODERNIZATION 2026

Scale	AS SHOWN
Date	MAY 15, 2026
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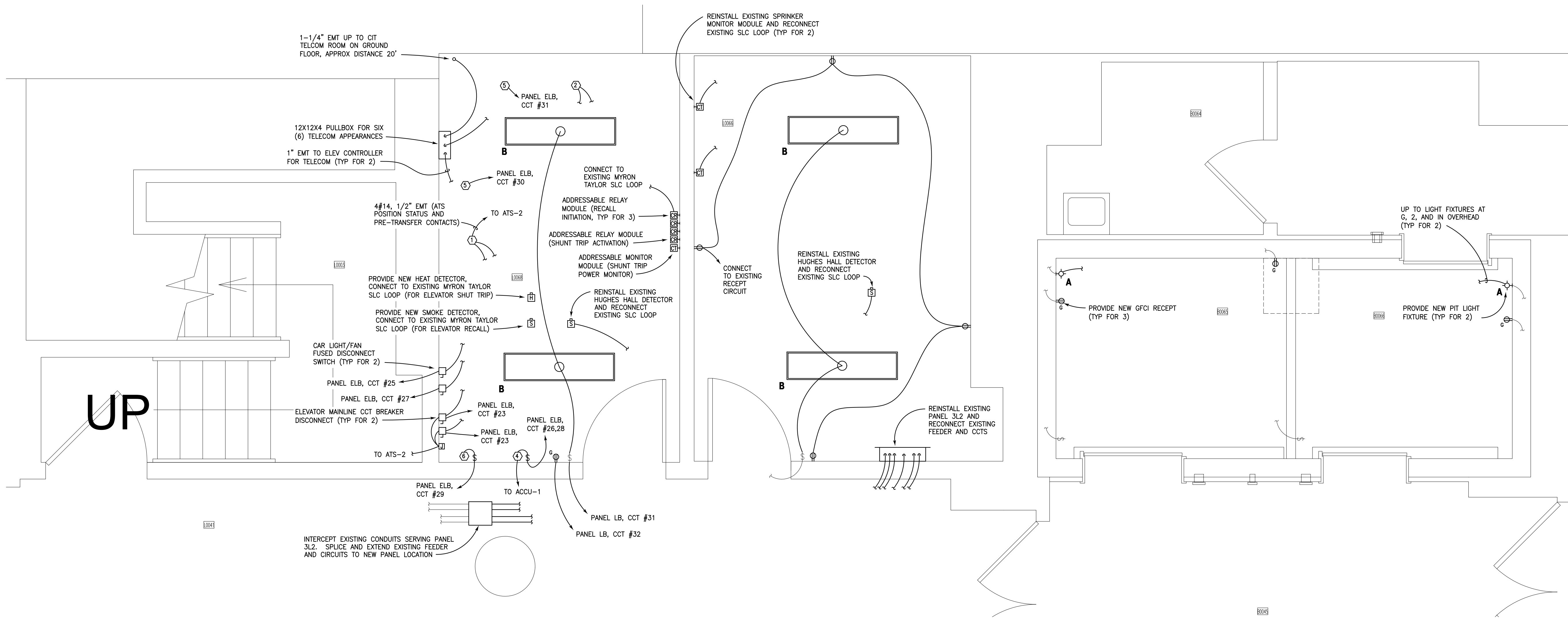
Project No.	CORNELL 12652 / PGPC 950001
Drawing No.	E100

E100

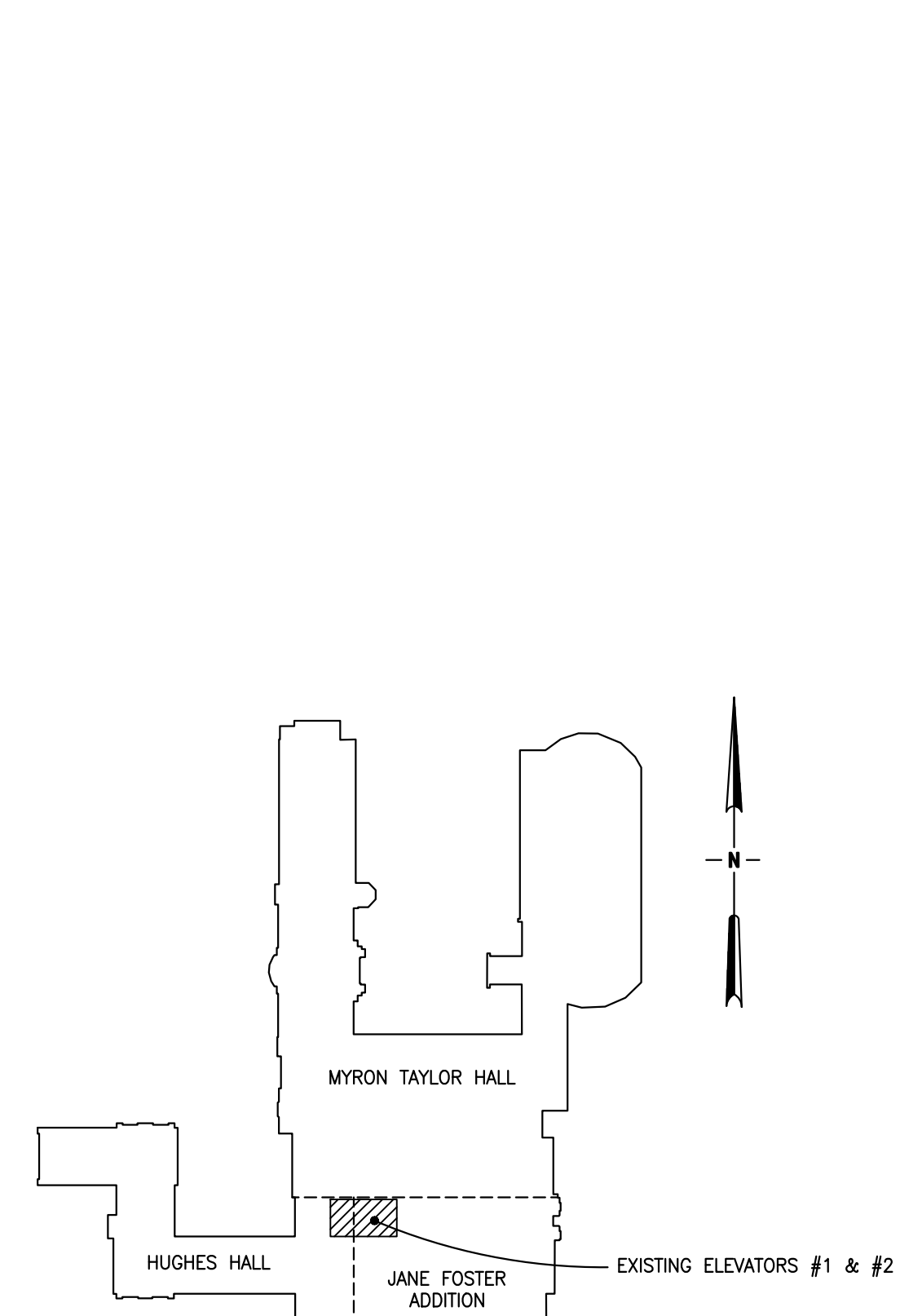
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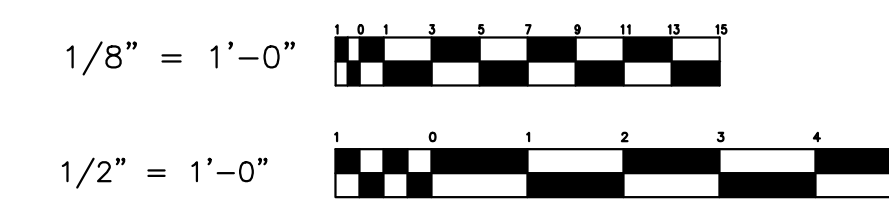
1 PARTIAL BASEMENT PLAN
E101 SCALE: 1/8" = 1'-0"



2 ENLARGED ELEVATOR MACHINE ROOM PLAN
E101 SCALE: 1/2" = 1'-0"

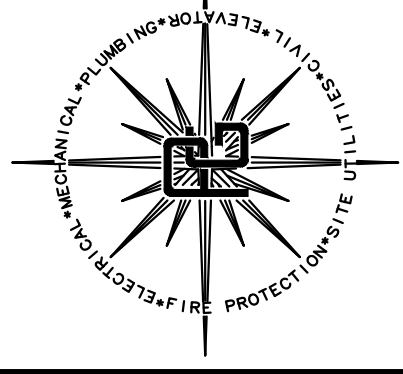


3 KEY PLAN
E101 NO TO SCALE



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No.	Revision	Date

ELECTRICAL PLANS
CORNELL UNIVERSITY
 MYRON TAYLOR JANE FOSTER
 ELEVATOR MODERNIZATION 2026

Project/Sheet Title

Scale	AS SHOWN
Date	MAY 15, 2026
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