

Bid Addendum 02

Project: CATA Renovation at 511 S Washington Ave, Lansing, MI 48933

Date: August 18, 2026

Project No: 75820023

To: Builders Exchange of Lansing & Central Michigan
CATA – Bid List (Procurement)
Dodge Plan Room
All Plan Holders

AD2-1 NOTICE

- A. This Addendum to the specifications and drawings for the above-captioned project adds to or supersedes all contrary or conflicting information in specifications and drawings which is amended in the following paragraphs. This Addendum is to become part of bidding documents as originally issued.
- B. Each trade shall review the entire Addendum, including work of other trades, for revisions or clarifications regarding their own work.
- C. This Addendum includes drawings herein numbered AD101, A101, A104, A601, M501, EP103, EL102, E601, and E602 revised and dated August 17, 2026; and drawing herein numbered A602, new issue.

AD2-2 ARCHITECTURAL WORK (JMC)

A. DRAWING ITEMS

- 1. **Drawing AD101** (Reissued): Add basement demo floor plan to show doors being demolished in basement.
- 2. **Drawing A101** (Reissued): Update basement floor plan doors to show correctly as new with tags. Remove Keynote A18 "REPLACE ALL OPENINGS WITH HOLLOW METAL DOORS AND FRAMES. PROVIDE NEW DOOR HARDWARE."
- 3. **Drawing A104** (Reissued): Update roof plan to add ¼" slope to upper roof for positive drainage required.
- 4. **Drawing A601** (Reissued):
 - a. Update Door Schedule to include basement doors.
 - b. Update door hardware and comments information.
 - c. Update aluminum doors 119A, 119B, and 105A from 4" head to 7'-2" door with standard head to fit masonry opening.
- 5. **Drawing A602** (New Issue): Add Door Hardware Schedule sheet.

AD2-3 MECHANICAL WORK (BG)

A. DRAWING ITEMS

1. **Drawing M501** (Reissued): Revise Heat Pump Schedule model for clarification.

AD2-4 ELECTRICAL WORK (KM)

A. DRAWING ITEMS

1. **Drawing EP103** (Reissued): Update HP-1 circuit information.
2. **Drawing EL102** (Reissued): Update light fixture in Storage 208.
3. **Drawing E601** (Reissued): Update HP-1 circuit information.
4. **Drawing E602** (Reissued): Update HP-1 circuit information.

AD2-5 REQUEST FOR INFORMATION

A. GENERAL ITEMS

1. **Construction Schedule**

What is the Construction Schedule.

RESPONSE: The construction duration period is listed in specification Section 00 0102 Project Information under Part 1 – General, 1.04 Procurement Timetable.

2. **CFMF for the Wall Panels**

Who is responsible for the CFMF for the wall panel bands?

RESPONSE: The General Contractor is responsible for providing the CFMF at the MCM bands.

3. **Liquidated Damages**

What are the Liquidated Damages?

RESPONSE: There are no Liquidated Damages specified for the project.

4. **Roof Membrane Color**

As discussed, we noticed that the spec called out .060 Gray EPDM. However, standard black EPDM is the most common and is widely available by the three manufacturers called out in the spec (Elevate, JM, Carlisle). Gray EPDM is only produced by one manufacturer and tends to be less fiscally competitive.

RESPONSE: Black EPDM is acceptable.

5. **Propose positive drainage plan for upper roof section - 1/4" slope per foot.**

We noticed ponding water and no roof drains on the upper roof section. We propose adding 1/4" per foot slope with tapered insulation to the upper roof section, directing water to the gutter edge. We will follow up with a tapered insulation design once our team has completed it.

RESPONSE: Drawings have been updated to add ¼" slope to upper roof for positive drainage required.

6. Upper roof gutters

Propose adding remove and replace upper roof gutters and lower roof edge-metal to scope.

RESPONSE: Drawings call for new gutters, see note A23 on A104. Lower roof edge-metal is detailed in A6/A104.

7. Propose alternate for stone cap replacement

In an effort to maintain uniformity with the edge system and edge metal warranty, we would propose accepting alternate bids that include installing metal coping in place of stone cap replacement. This may also provide additional savings to the owner.

RESPONSE: Base bid should include removing, cleaning, and reinstalling all cast stone caps per Keynote A20. A voluntary alternate can be included in the proposal for consideration by the Owner.

8. Owner space utilization

During the pre-bid there was mention about the Owner utilizing the space and potential phasing and after-hour work required. Can you please provide the specific requirements so that bidders can incorporate the appropriate cost into their bid? There will be added cost for phasing and after-hour work.

RESPONSE:

The Owner will occupy spaces in area not having renovations. CATA also hosts a monthly meeting that is open to the public. CATA understands that it may have to relocate the meeting during construction.

Exits from occupied spaces need to be maintained throughout the construction period. Dust barriers will need to be provided for separating area occupied by the Owner.

Coordinate activity times and durations with the Owner that have excessive noise and/or interruption of services such as power and water.

Provide notifications to the Owner not less than 48 hours of the planned activity.

9. Bid Date (paraphrased question)

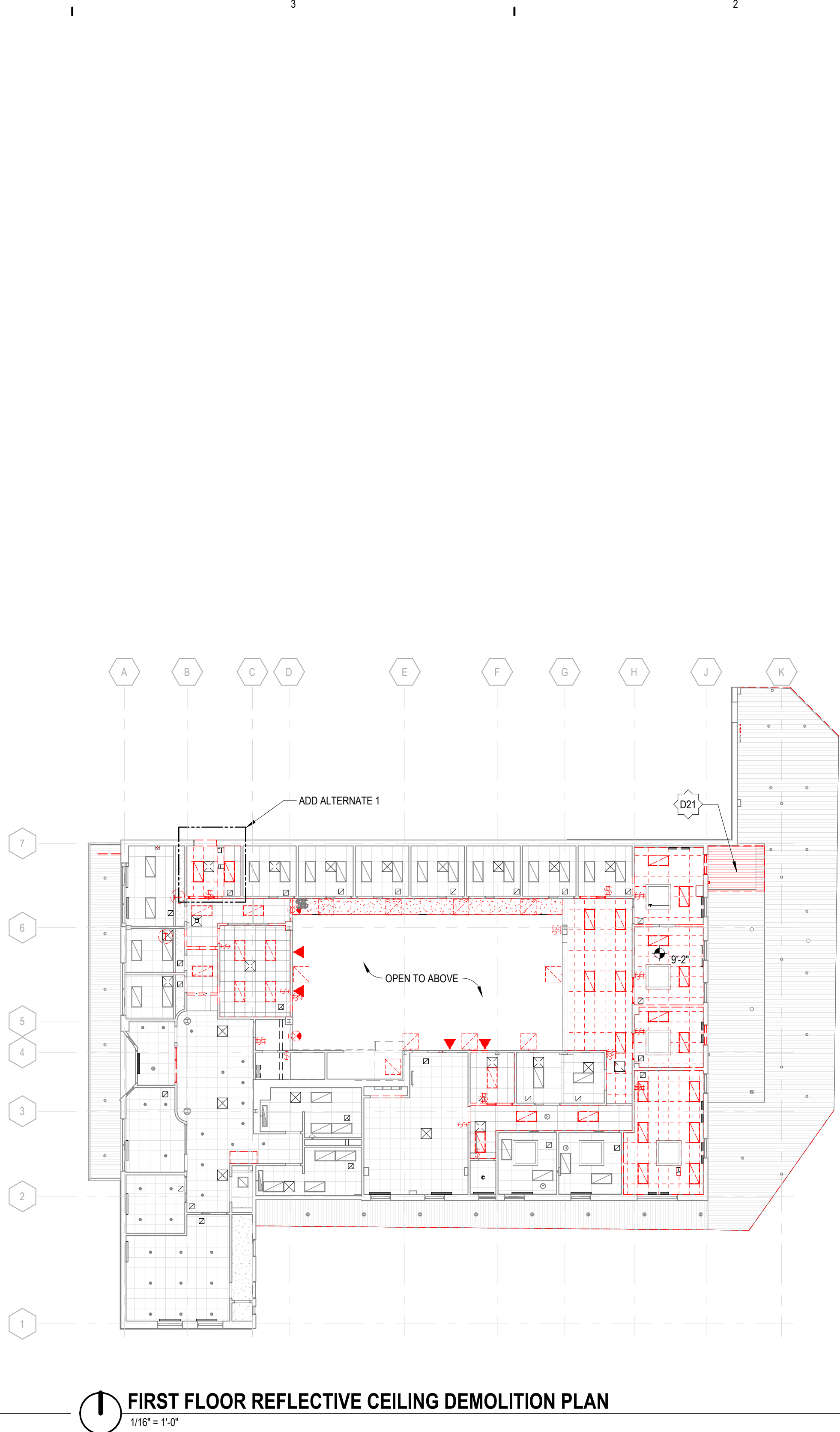
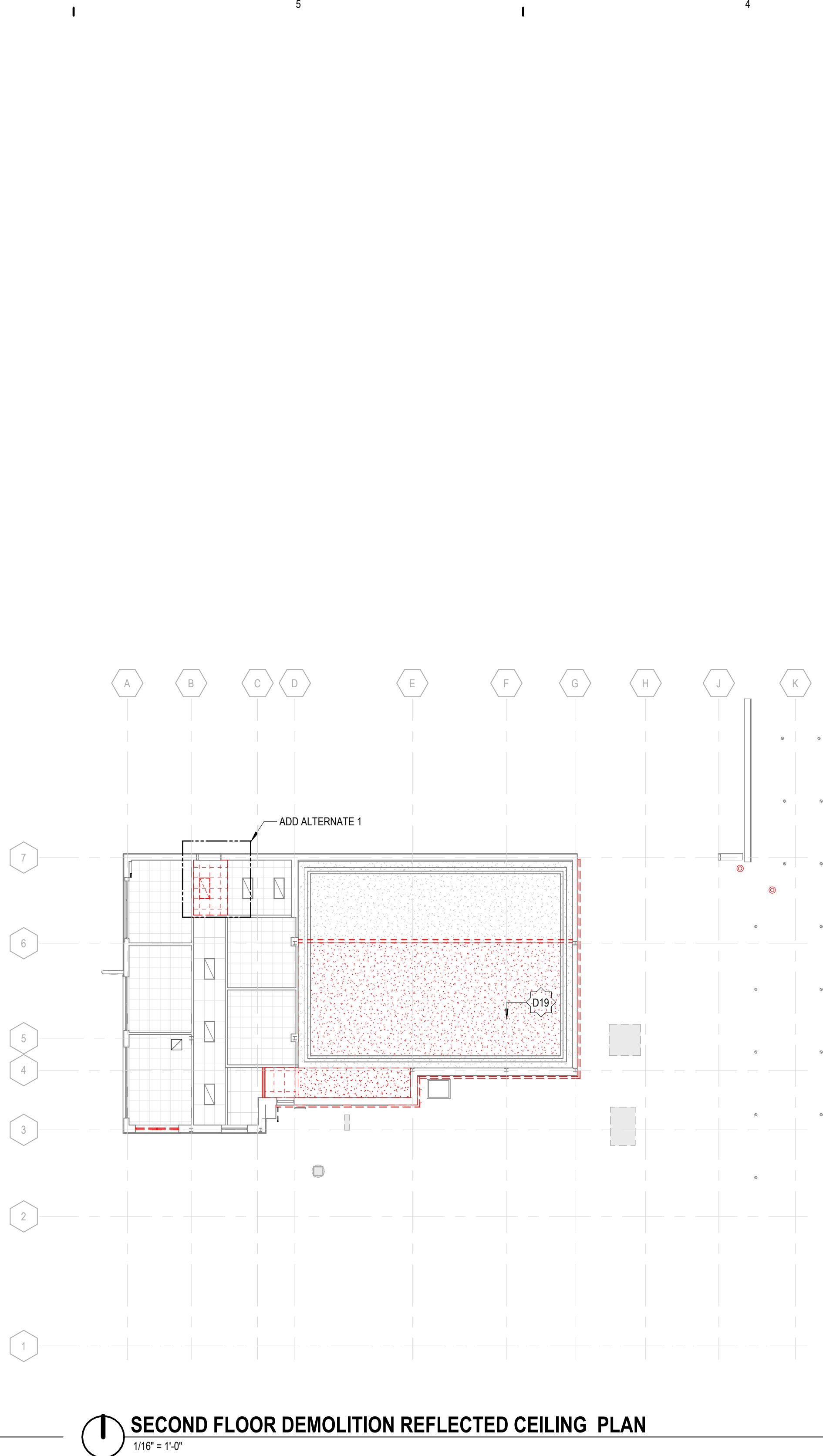
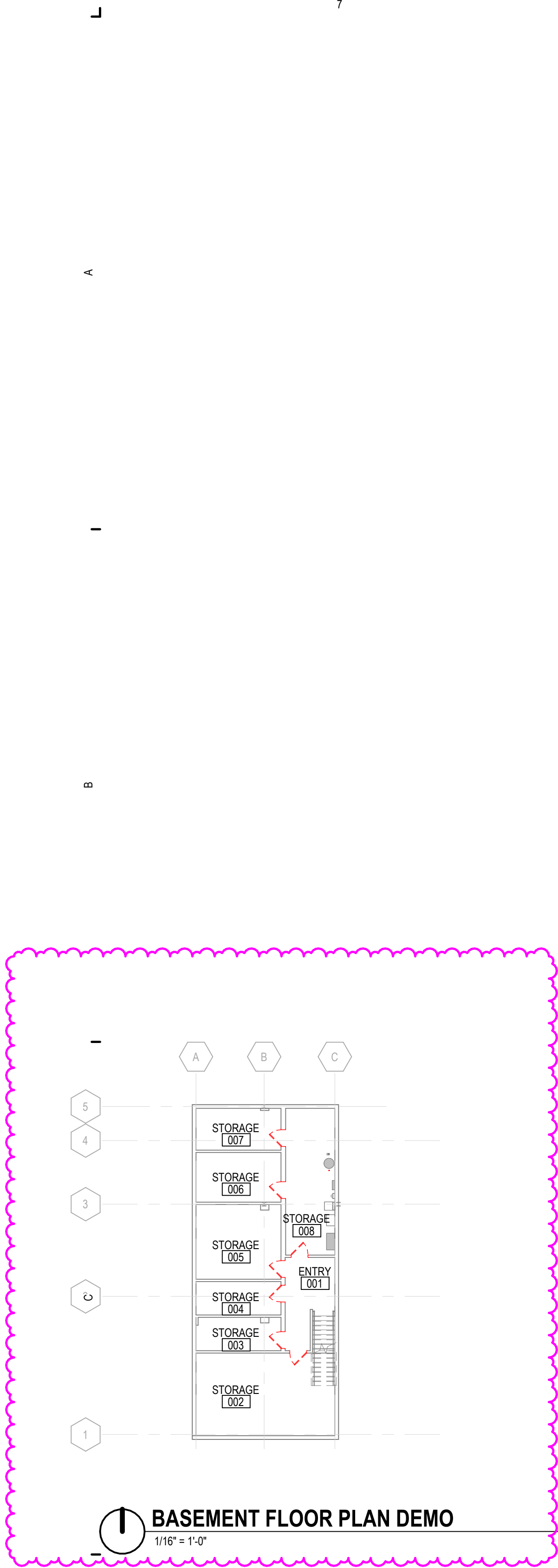
Morning bids are challenging, especially ones on Monday mornings. Sub bids are often times received a couple of hours before the bids are due. With the early bid time may create some challenges sorting out questions/answers. Sometimes on morning bids, the bidders will send proposals over the night before, but with the night before being a Sunday, There is concern about when the bids will actually be sent. Can the bid date be moved to the afternoon or shifted to a different day in the morning?

RESPONSE: No, the Owner's availability does not permit the date to move.

10. Flooring

Are all stairs scheduled to receive CPT or WOC-1 going to carpet on the riser of the step?

RESPONSE: Stair A will be CPT-1. At stairs 132, we have WOC-1 at entry level landing - existing treads and risers to remain. Two stairs at Boardroom 139 CPT-3.



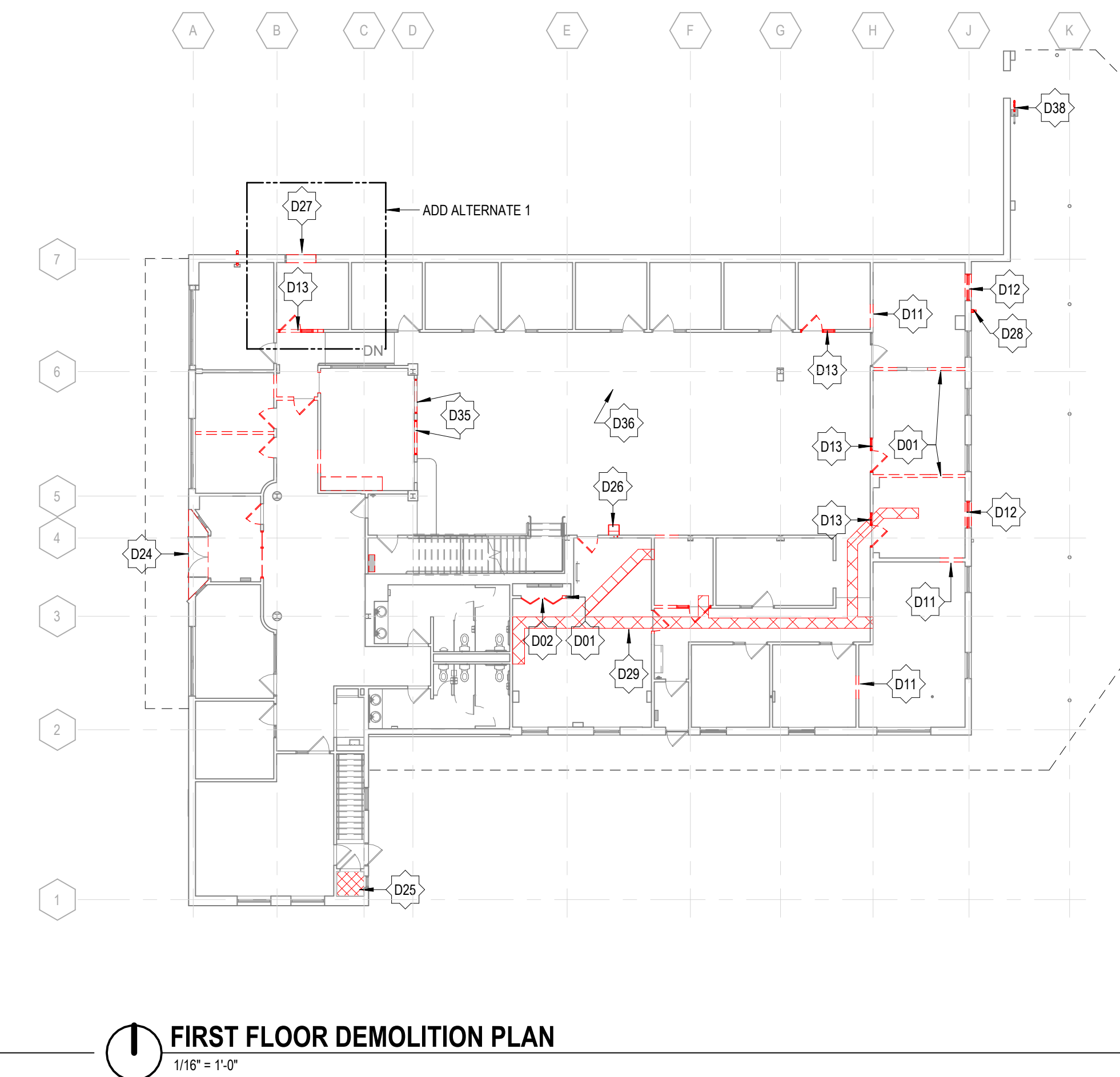
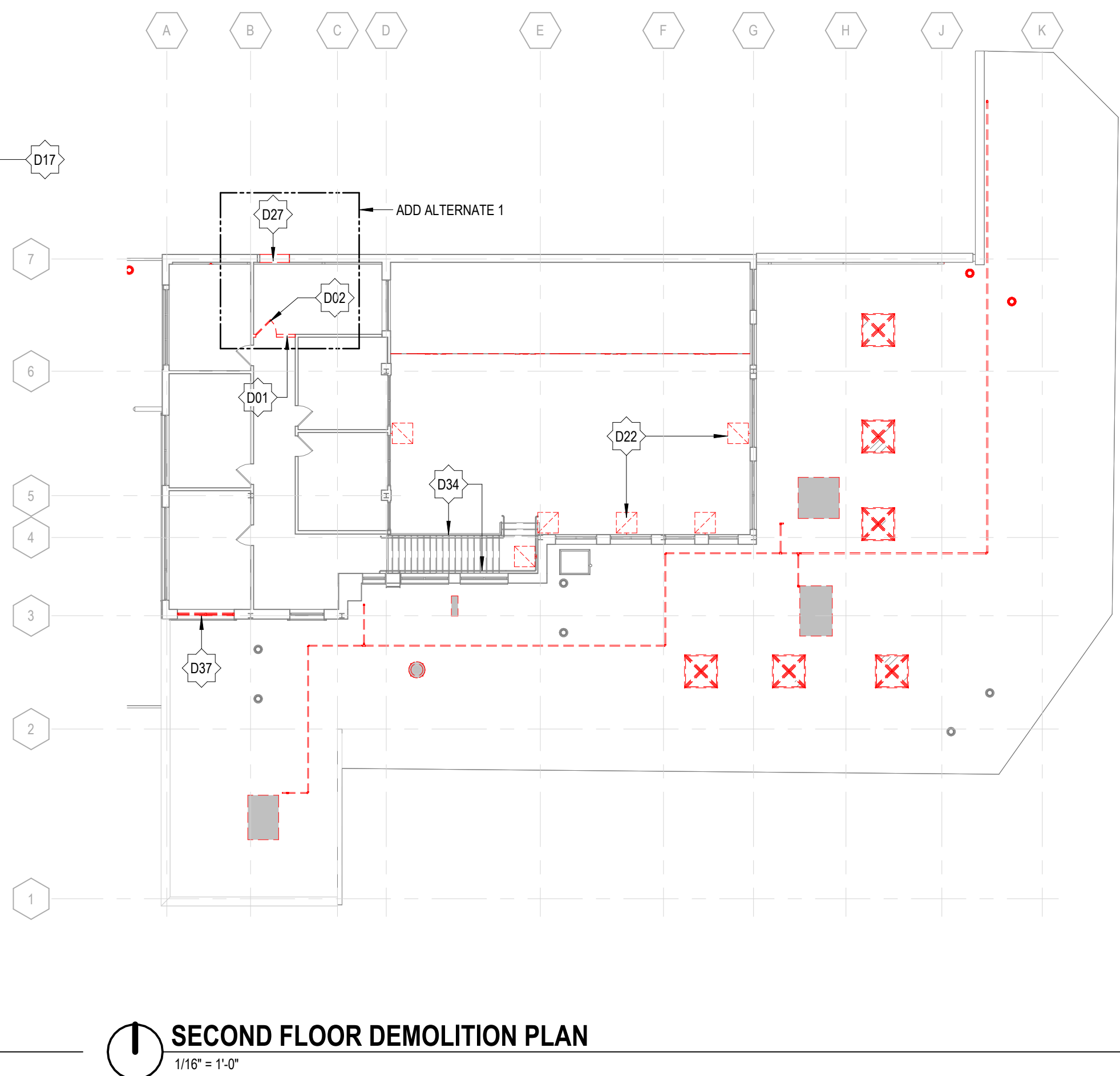
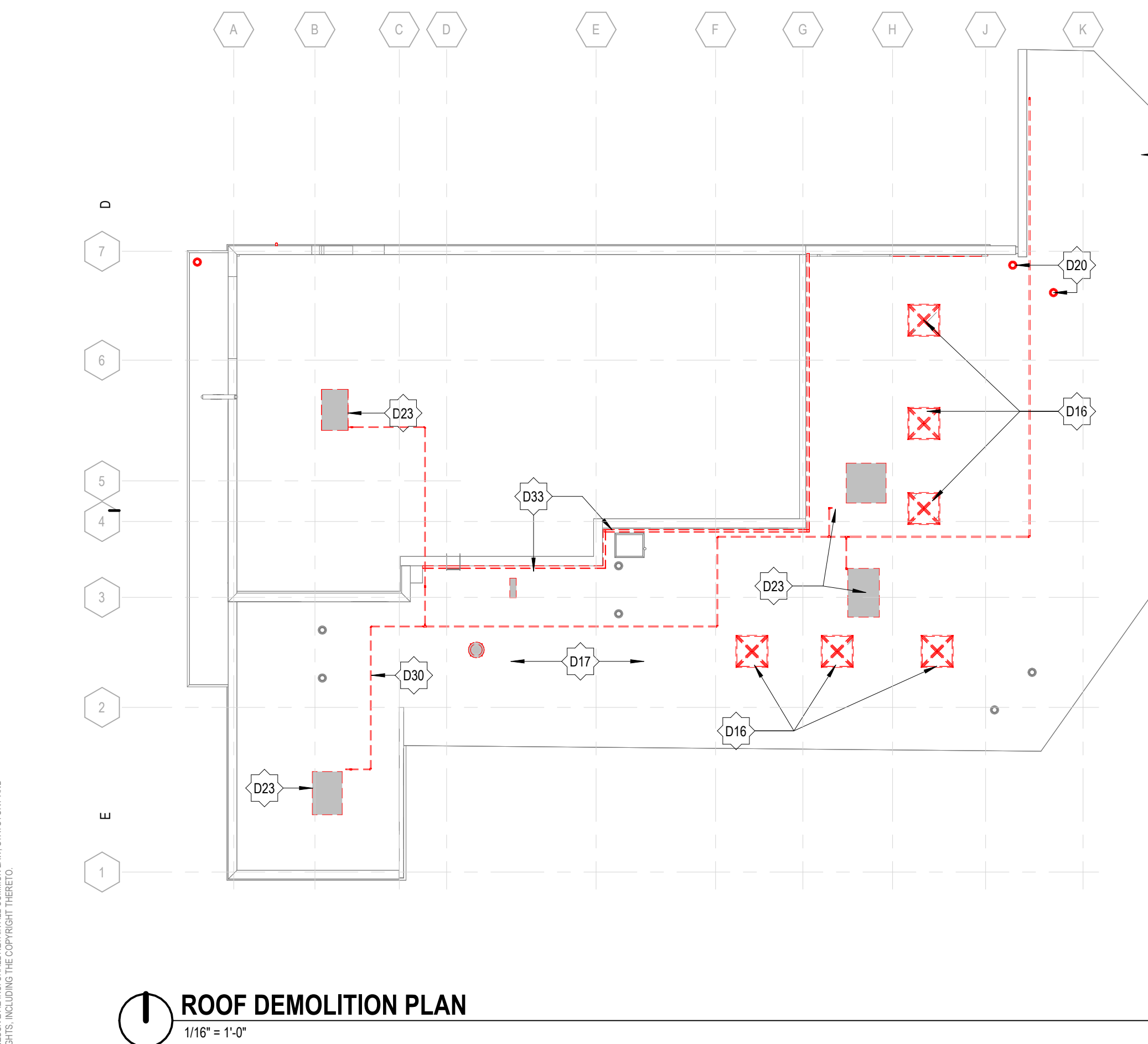
DEMOLITION NOTES AND LEGEND

1. EXISTING BUILDING CONDITION BASED ON OWNER PROVIDED DRAWINGS AND LIMITED FIELD VERIFICATION. VERIFY EXACT CONDITIONS IN FIELD. SHOULD DISCREPANCIES OCCUR, NOTIFY ARCHITECT FOR CLARIFICATIONS.
2. BEGINNING WORK INDICATES THAT THE CONTRACTOR HAS ACCEPTED AND VERIFIED EXISTING CONDITIONS.
3. COORDINATE DEMOLITION WITH ALL CONTRACTORS WORKING IN AREAS BEING RENOVATED.
4. DURING DEMOLITION, PROTECT ALL ADJACENT CONSTRUCTION TO REMAIN.
5. ANY ASBESTOS CONTAINING MATERIALS THAT ARE ENCOUNTERED ARE TO BE REMOVED BY THE OWNER.
6. REFER TO CIVIL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ITEMS TO BE REMOVED NOT SHOWN HERE.
7. COORDINATE THE RETURN AND STORAGE OF ALL ITEMS DESIGNATED AS SALVAGE WITH THE OWNER.
8. PROVIDE TEMPORARY SHORING AND/OR STAGING OF THE DEMOLITION WORK.
9. MANY OF THE MASONRY WALLS OF THIS BUILDING ARE LOAD-BEARING. COORDINATE DEMOLITION OF ALL WALLS OR PORTIONS OF WALLS FOR NEW OPENINGS WITH STRUCTURAL DOCUMENTS AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR SHORING ALL STRUCTURE SUPPORTED BY BEARING WALLS PRIOR TO REMOVAL.
10. COORDINATE CONSTRUCTION BARRIER LOCATIONS, NOISY DEMOLITION / CONSTRUCTION, AND WORK NOTED "INTERMITTENT" WITH OWNER.
11. HATCHED AREA(S) OF FULL NON-STRUCTURAL DEMOLITION (AS INDICATED IN LEGEND BELOW) REMOVE ALL WALLS, DOORS, FLOORING, CEILINGS, FIXTURES, MILLWORK, EQUIPMENT, ETC. UNLESS NOTED OTHERWISE. OWNER TO REVIEW SALVAGEABLE ITEMS FOR POTENTIAL RE-USE.
12. REMOVE ALL TERRAZZO FLOOR BASE.

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- EXISTING PLASTER CEILING TO BE REMOVED
- EXISTING EXTERIOR CEILING PANELS TO BE REMOVED
- EXISTING 2x4 CEILING PANELS TO BE REMOVED
- EXISTING LIGHT FIXTURES TO BE REMOVED
- EXISTING WALL MOUNTED LIGHT FIXTURES TO BE REMOVED
- EXISTING FIRE EXIT SIGN LOCATION TO BE REMOVED
- EXISTING WALL MOUNTED TRACK LIGHT TO BE REMOVED

DEMOLITION PLAN KEYNOTES

NUMBER	NOTE
D01	DEMO WALL OR PORTION OF WALL AS SHOWN
D02	DEMO DOOR, FRAME AND HARDWARE
D11	DEMO PORTION OF WALL TO ALLOW FOR A NEW DOOR
D12	DEMO WINDOW AND PREPARE WALL FOR NEW DOOR
D13	DEMO SIDELITE, DOOR FRAME AND HARDWARE. OPENING TO BE INFILL
D16	DEMO EXISTING SKYLIGHTS AND HORIZONTAL SHUTTERS WITHIN
D17	DEMO EXISTING ROOF MEMBRANE AND INSULATION TO DECKING
D18	DEMO CEILING AS SHOWN
D20	DEMO ROOF DRAIN
D21	DEMOLISH PORTION OF CANOPY CEILING AS REQUIRED FOR NEW VESTIBULE
D22	REMOVE LIGHT FIXTURES. SEE ELECTRICAL DWGS
D23	DEMO EXISTING ROOF TOP UNITS (TYP) - SEE MECH DWGS
D24	REMOVE TERRAZZO FLOORING AT BUILDING ENTRY AND SAVE FOR FUTURE DISPLAY INSIDE BUILDING.
D25	REMOVE EXISTING TILE FLOOR. FILL ALL CRACKS AND PROVIDE NEW FLOOR SURFACE. PRIOR TO FILLING CRACKS (ARCHITECT) STRUCTURAL ENGINEER TO INSPECT TO DETERMINE CAUSE OF CRACK.
D26	REMOVE EXISTING WATER FOUNTAIN. DEMO WATER LINES BACK TO SOURCE AND CAP.
D27	CUT NEW DOOR OPENING IN EXISTING BRICK MASONRY. PROVIDE TEMPORARY SHORING AND NEW STEEL LINTEL. PATCH AND REPAIR ADJACENT MASONRY AND FINISHES AS REQUIRED FOR COMPLETE INSTALLATION. SEE STRUCTURAL DWGS
D28	REMOVE EXISTING LEADERS AND RELOCATE THEM. SEE PLUMBING AND CIVIL DWGS
D29	SAW CUT AND PATCH FLOOR. SEE PLUMBING DWGS
D30	DEMO GAS PIPING TO BE REPLACED. SEE MECHANICAL DWGS
D33	REPLACE EXISTING GUTTERS AND DOWNSPOUTS
D34	REMOVE EXISTING STAIR AND WALL MOUNTED HANDRAILS.
D35	REMOVE EXISTING WINDOWS AND INFILL WALL OPENING
D36	REMOVE CARPET IN ON RAMP AND BOARDROOM FLOOR TO EXTENTS OF TERRAZZO REVIEW EXTENTS WITH OWNER TO DETERMINE AREAS OF CARPETED SCOPE.
D37	DEMO STOREFRONT. REMOVE PLYWOOD, VERIFY LINTEL AND HEADER ARE FUNCTIONAL. AND REPLACE WITH NEW STOREFRONT.
D38	REFER TO MECHANICAL DEMOLITION NOTES



GENERAL NOTES

1. DO NOT SCALE DRAWINGS.
2. FINISH FLOOR ELEVATION = 100'-0" IF APPLICABLE. REFER TO CIVIL DRAWINGS FOR SITE DATUM ELEVATION EQUIVALENT.
3. EXISTING BUILDING CONDITIONS BASED ON OWNER PROVIDED DRAWINGS AND LIMITED FIELD VERIFICATION. VERIFY EXACT CONDITIONS IN FIELD. SHOULD DISCREPANCIES OCCUR, NOTIFY ARCHITECT FOR CLARIFICATIONS.
4. BEGINNING WORK INDICATES THAT THE CONTRACTOR HAS ACCEPTED AND VERIFIED EXISTING CONDITIONS.
5. REFER TO CODE COMPLIANCE DRAWING(S) FOR LOCATIONS OF RATED ASSEMBLIES AND CODE SUMMARY.
6. ABBREVIATIONS, TYPICAL MOUNTING DIMENSIONS, AND ANNOTATION SYMBOLS ARE SHOWN ON GENERAL INFORMATION DRAWINGS.
7. WALL DIMENSIONS ARE TO FACE OF MASONRY. FACE OF CONCRETE, FACE OF STUDS, COLUMN CENTERLINE AS SHOWN OR EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED.
8. ALL DIMENSIONS ARE PERPENDICULAR AND PARALLEL, UNLESS NOTED OTHERWISE.
9. PATCH ALL DISTURBED SURFACES WITH MATERIALS TO MATCH ADJACENT SURFACE CONSTRUCTION.
10. PROVIDE APPROVED SMOKE/FIRESTOPPING ASSEMBLIES AT ALL MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH FIRE RATED AND SMOKE RESISTANT PARTITIONS IDENTIFIED ON CODE COMPLIANCE DRAWINGS.
11. OWNER FURNISHED EQUIPMENT IS SHOWN LIGHT DASHED FOR REFERENCE ONLY. REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
12. REFER TO INTERIORS FOR FINISHES INCLUDING WALL PROTECTION ITEMS.

EXISTING TO REMAIN

INTERIOR PARTITION GENERAL NOTES

- EXISTING WALL CONSTRUCTION NEW STUD WALL CONSTRUCTION NEW MASONRY WALL CONSTRUCTION

1. CONSTRUCT ALL WALLS TIGHT TO DECK ABOVE AND EXTEND INTO DECK FLUTES AND WEBS OF STEEL MEMBERS UNLESS OTHERWISE NOTED.
2. PROVIDE DEFLECTION TRACK AT THE TOP OF ALL INTERIOR NON-BEARING METAL STUD WALLS CAPABLE OF ACCOMMODATING 1" ROOF/FLOOR DEFLECTION. REFER TO DETAILS A501 FOR HEAD OF WALL CONDITION.
3. REFER TO CODE COMPLIANCE PLAN FOR RATED WALL LOCATIONS. FIRE RATED AND SMOKE RESISTANT ASSEMBLIES SHALL BE CONTINUOUS, WITH OTHER PARTITIONS ABUTTING THEM.
4. PROVIDE FIRESTOPPING/ SMOKE SEALANT AT ALL PENETRATIONS THROUGH FIRE RATED AND SMOKE RESISTANT ASSEMBLIES, CORRIDORS, AND FLOORS WITH OCCUPABLE SPACES ABOVE AND BELOW.
5. PROVIDE ACOUSTICAL SEALANT AT ALL WALLS WITH ACOUSTICAL INSULATION.
6. PROVIDE 5/8" WATER RESISTANT GYPSUM WALLBOARD AT ALL WALLS OF TOILET ROOMS, WALLS RECEIVING TILE, AND WALLS BEHIND AND ADJACENT TO SINKS.
7. PROVIDE 5/8" TILE BACKER AT ALL WALLS OF SHOWER ENCLOSURES.
8. REFER TO STRUCTURAL DRAWINGS FOR MASONRY REINFORCING AND GROUTING.
9. PROVIDE BULLNOSE CONCRETE MASONRY UNITS AT EXPOSED SILLS AND AT ALL INTERIOR EXPOSED VERTICAL CORNERS, INCLUDING WINDOW AND DOOR JAMBS.
10. ALL WALLS ARE TYPE S3B UNLESS NOTED OTHERWISE.

INTERIOR PARTITION TAG LEGEND

CORE MATERIAL	CORE SIZE (NOMINAL)
S - STEEL STUDS	S M H
M - MASONRY	0 7/8" 1 5/8" 2 1/2"
H - CH / SHAFTWALL	1 3/8" 3 5/8" 4"
	2 1/2" 4" 6"
	6" 8" 10"
	8" 10" 12"

ACOUSTICAL INSULATION
PROVIDE ACOUSTICAL INSULATION AT TAGGED LOCATIONS

PARTITION TYPE SUFFIX
REFER TO SCHEDULE BELOW

ADD ALTERNATE

- ALT-1
2 STORY ADDITION SCOPE OF WORK TO BE PROVIDED AS ADD ALTERNATE

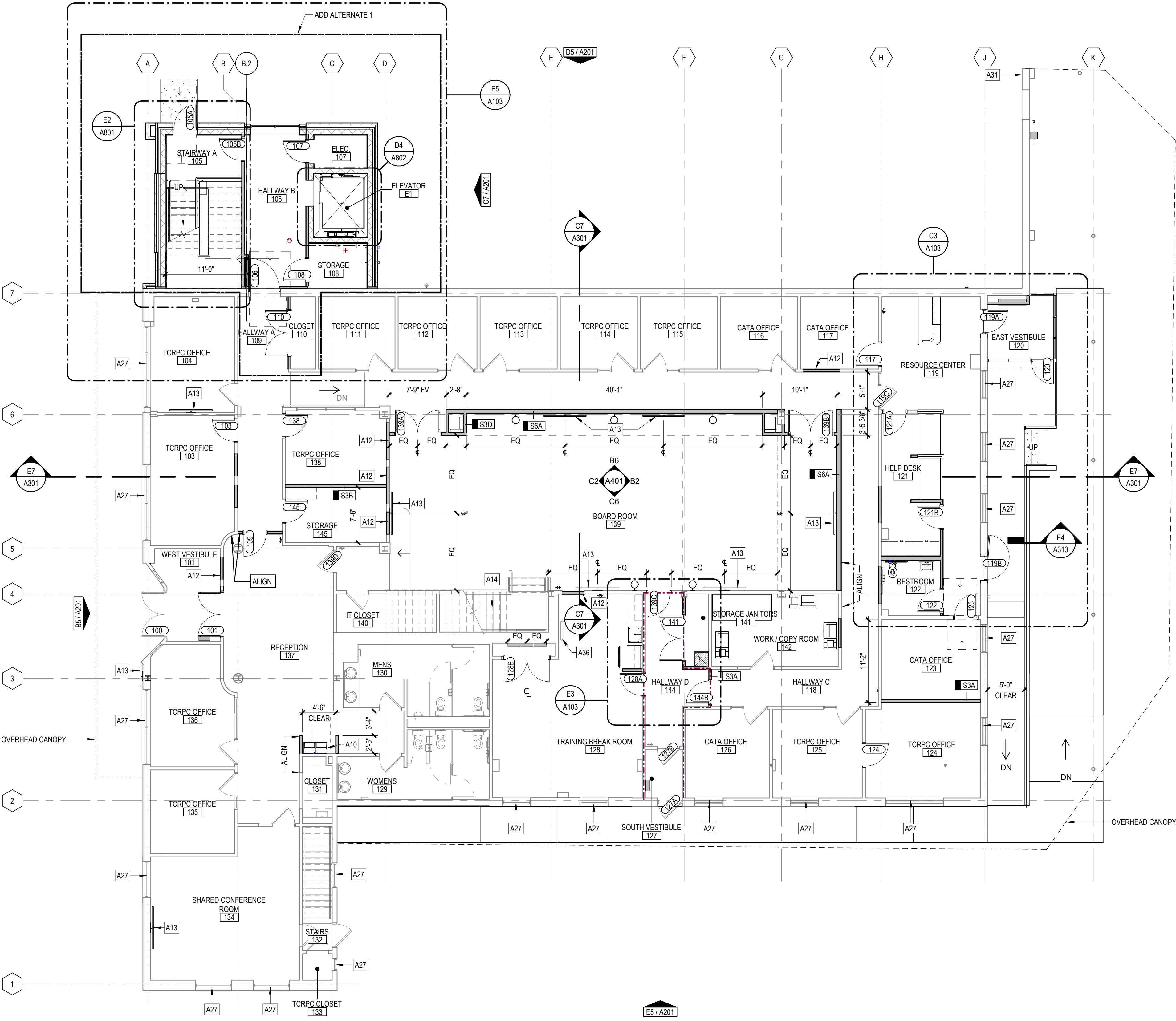
INTERIOR PARTITION TYPE SUFFIXES

- A 5/8" GYPSUM BOARD ON BOTH SIDES; EXTEND TO DECK (OR HARD CEILING WHERE IT OCCURS)
- B 5/8" GYPSUM BOARD ON BOTH SIDES; EXTEND TO 6" ABOVE CEILING (OR HARD CEILING WHERE IT OCCURS)
- C 5/8" GYPSUM BOARD ON BOTH SIDES; EXTEND TAGGED SIDE TO DECK AND OTHER SIDE TO 6" ABOVE CEILING (OR HARD CEILING WHERE IT OCCURS)
- D 5/8" GYPSUM BOARD ON ROOM SIDE ONLY; EXTEND TO DECK
- E 5/8" GYPSUM BOARD ON ROOM SIDE ONLY; EXTEND TO 6" ABOVE CEILING (OR HARD CEILING WHERE IT OCCURS)
- F1 (1) LAYER 5/8" GYPSUM BOARD ON BOTH SIDES; EXTEND TO DECK ABOVE; 1 HR RATED UL DESIGN #U465
- F2 (2) LAYERS 5/8" GYPSUM BOARD ON BOTH SIDES; EXTEND TO DECK ABOVE; 2 HR RATED UL DESIGN #U419
- H1 (1) LAYER 5/8" GYPSUM BOARD ON ROOM SIDE, 1" SHAFT LINER TO DECK ABOVE ON OTHER SIDE; 1 HR RATED UL DESIGN #U415-A

KEYNOTES

NUMBER	NOTE
A10	HULL ACCESSIBLE DRINKING FOUNTAIN; REF PLUMBING DWG
A12	INFILL WINDOWS AND DOOR OPENINGS. WALL WIDTH TO MATCH EXISTING AND PROVIDE ACOUSTICAL INSULATION
A13	TV MONITORS BY OWNER
A14	DEEP CLEAN AND RE-SEAL TERRAZZO FLOORING
A15	INFILL ALL HOLES IN INTERIOR WALLS WITH CONCRETE AND REPAINT (TYP)
A16	FIX ALL HOLES IN EXTERIOR WALLS W/... REPAINT WALLS
A17	PREP EXISTING METAL STAIR AND HANDRAIL FOR REPAINTING INCLUDING REMOVAL OF RUSTY LOOSE PAINT, AND SURFACE CONTAMINANTS; PRIME AND REPAINT ALL EXPOSED SURFACES
A27	REPLACE CASSETS AT EXISTING STOREFRONT AND RE-CALK TO THE WALL
A31	REPAIR DAMAGE MASONRY WITH LIKE KIND AND REPAINT TO MATCH EXISTING WALL COLOR
A32	REPAIR/REPLACE EXISTING PLASTER CEILING IN STAIR
A36	INSTALL ROOF HATCH OPENER TO THE EXISTING LADDER ROOF ACCESS

BASEMENT FLOOR PLAN
1/8" = 1'-0"

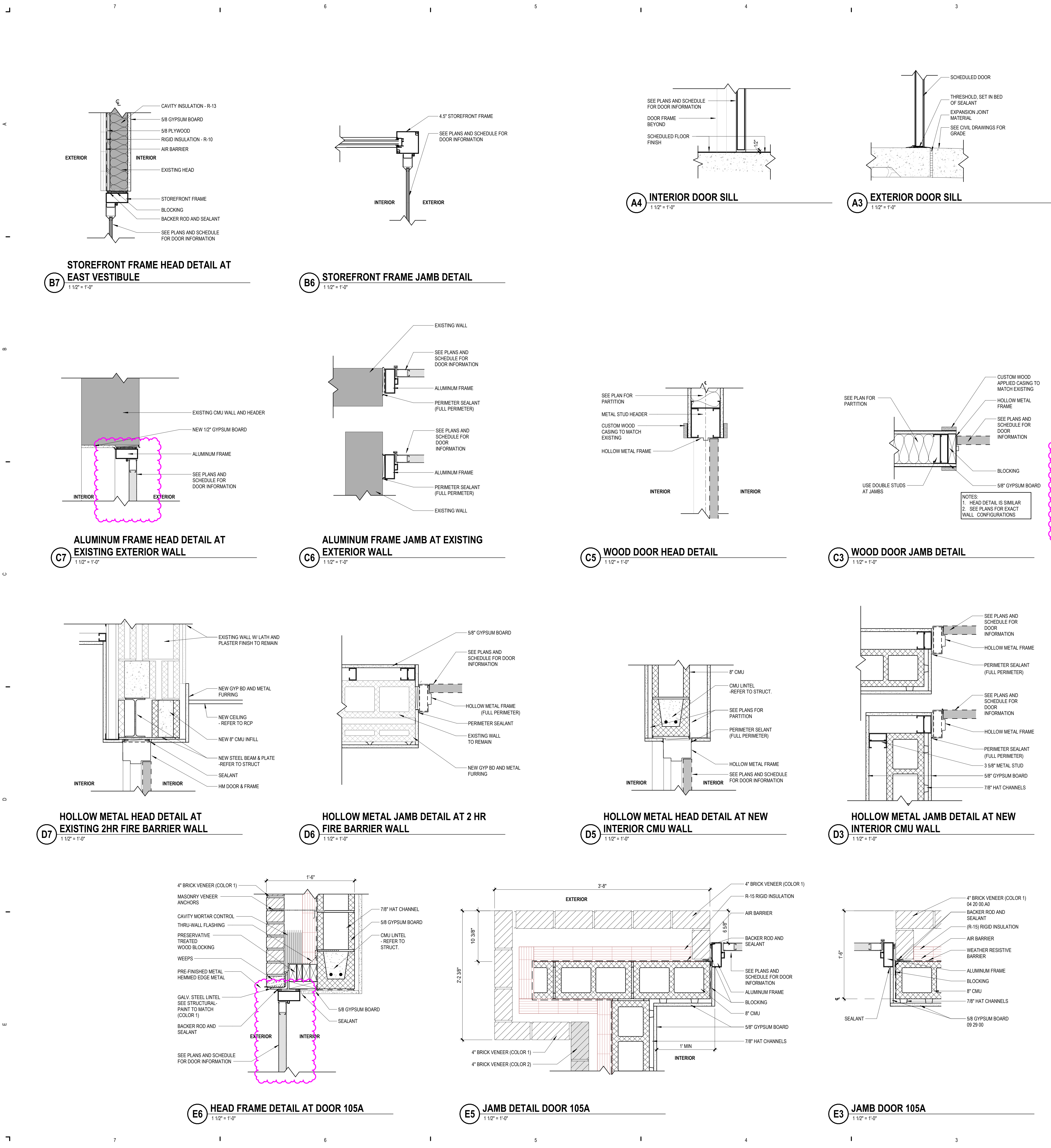


FIRST FLOOR PLAN
1/8" = 1'-0"



**CAPITAL AREA TRANSPORTATION AUTHORITY
CATA RENOVATION**

8/17/2025 1:00:13 PM Autodesk Docs/73520023 - DATA Renovation of 571 St - Washington/73520023 DATA Revit 571 St Washington - WDC21.rvt
DOOR SCHEDULE, ELEVATIONS, AND DETAILS
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DOOR HARDWARE SCHEDULE - BASIS OF DESIGN

MANUFACTURER ABBREVIATIONS

1. MK - MCKINNEY	6. AB - ABLOY (CYLINDERS FURNISHED BY OWNER)
2. PE - PEWKO	7. RD - ROCKWOOD
3. NOT USED	8. RF - RIXSON
4. SA - SARGENT	9. NO - NORTON
5. SC - SCHLAGE	10. OT - OTHER

NOTE: SEE PROJECT MANUAL (SPECIFICATIONS) FOR ACCEPTABLE MANUFACTURERS

SET: 1a

DESCRIPTION: STANDARD ENTRY MAIN ENTRY EXTERIOR PAIR

GENERAL CONTRACTOR FURNISHED / INSTALLED

2	CONTINUOUS HINGE	CFMSLF-HD1 SER12 OR CFMSLJ-HD1 SER12	US32D	PE
2	DOOR PULL	RM3311-48 MTG-TYPE 12XHD MP		RO
2	SWEEP	315CN TKSP X DOOR WIDTH		PE
1	THRESHOLD	273X224AFGT MSES2SSS X OPENING WIDTH		PE

SECURITY VENDOR FURNISHED / INSTALLED

1	CONCEALED VERT ROD EXIT, EXIT ONLY	55 56 ADH410 EO (LEFT HAND)	US32D	SA
1	CONCEALED VERT ROD EXIT, NIGHTLATCH	LC 55 56 ADH410 10R (RIGHT HAND)	US32D	SA
1	PROTEC 2 CYLINDER	PROVIDED BY OWNER (RIGHT HAND)	US32D	OT
1	SURFACE CLOSER	351 CPS (LEFT HAND)	EN	SA
1	DROP PLATE	351D (LEFT HAND)	EN	SA
2	KIT	581-2	EN	SA
1	AUTOMATIC OPENER	6331 (RIGHT HAND)	NO	NO
2	ELECTROLYNX HARNESS	QC-C250P	MK	+
2	ELECTROLYNX HARNESS	QC-C LENGTH REQUIRED	MK	+
1	VESTIBULE DOOR SWITCH	504	NO	+
1	ENTRY DOOR SWITCH	505	NO	+

- Notes:
- Weatherstripping furnished by Aluminum Door Supplier.
 - Entry auto operator push pad controlled by access control.
 - Keep bottom 1/2" of the door clear for ADA, including Door Pull Height.

SET: 2a

DESCRIPTION: STANDARD ENTRY MAIN ENTRY EXTERIOR SINGLE

GENERAL CONTRACTOR FURNISHED / INSTALLED

1	CONTINUOUS HINGE	CFMSLF-HD1 SER12 OR CFMSLJ-HD1 SER12	US32D	PE
1	DOOR PULL	RM3311-48 MTG-TYPE 12XHD MP		RO
1	SWEEP	315CN TKSP X DOOR WIDTH		PE
1	THRESHOLD	273X224AFGT MSES2SSS X OPENING WIDTH		PE

SECURITY VENDOR FURNISHED / INSTALLED

1	RM EXIT DEVICE, STOREROOM	LC 55 56 ADH04 LESS PULL	US32D	SA
1	PROTEC 2 CYLINDER	PROVIDED BY OWNER	US32D	OT
1	AUTOMATIC OPENER	6331	889	NO
1	ELECTROLYNX HARNESS	QC-C250P	MK	+
1	ELECTROLYNX HARNESS	QC-C LENGTH REQUIRED	MK	+
1	ENTRY DOOR SWITCH	504	NO	+
1	DOOR SWITCH	505	NO	+

- Notes:
- Weatherstripping furnished by Aluminum Door Supplier.
 - Keep bottom 1/2" of the door clear for ADA, including Door Pull Height.
 - Entry Auto Operator push pad controlled by access control.
 - Entry Auto Operator push pad controlled by access control.

SET: 3a

DESCRIPTION: EXTERIOR BACK DOOR SINGLE

GENERAL CONTRACTOR FURNISHED / INSTALLED

1	CONTINUOUS HINGE	WT FM 180-DEGREE SWING		PE
1	SWEEP	315CN TKSP X DOOR WIDTH		PE
1	THRESHOLD	273X224AFGT MSES2SSS X OPENING WIDTH		PE

SECURITY VENDOR FURNISHED / INSTALLED

1	RM EXIT DEVICE, EXIT ONLY	LD 8510 EO	US32D	SA
1	DROP PLATE	351D	EN	SA
1	SURFACE CLOSER	351 CPS	EN	SA
1	KIT	581-2	EN	SA

- Notes:
- Weatherstripping furnished by Aluminum Door Supplier.
 - No outside rim.

SET: 4

DESCRIPTION: NEW CONSTRUCTION INTERIOR SINGLE DOOR, OFFICE (HOLLOW METAL FRAME WITH WOOD DOOR)

GENERAL CONTRACTOR FURNISHED / INSTALLED

3	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	DOOR STOP	RM850 OR RM860 AS REQUIRED	US32D	RO
3	SILENCER	608	US32D	RO
1	OFFICE LATCH	MATCH EXISTING	US26D	SC

- Notes:
- Prepare door for cylindrical passage set.

SET: 6

DESCRIPTION: INTERIOR DOOR WITH ELECTRIFIED CYLINDRICAL LOCKSET AND CARD READER

GENERAL CONTRACTOR FURNISHED / INSTALLED

2	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	HINGE, FULL MORTISE - ELECTRIFIED	TA2731 QC FT 4-1/2" X 4-1/2"	US26D	MK
1	FAIL SECURE LOCK	LC 30 10XG71 LL	US26D	SA
1	SURFACE CLOSER	351 O	EN	SA
1	KICK PLATE	K1050 10" X 2" LOW CSK BEV	US32D	RO
1	DOOR STOP	RM850 OR RM860 AS REQUIRED	US32D	RO
3	SILENCER	608	RO	RO
1	ELECTROLYNX HARNESS	QC-C250P	MK	+
1	ELECTROLYNX HARNESS	QC-C LENGTH REQUIRED	MK	+

SECURITY VENDOR FURNISHED / INSTALLED

1	CARD READER	TBD	TBD	
1	RTE MOTION DETECTOR	DS160	BOSCH	
1	RECESSED DOOR POSITION SWITCH	TBD	TBD	
1	CLO CYLINDER	PROVIDED BY OWNER		

- Notes:
- Power supply and door position switch furnished by access control supplier. Power will be terminated to frame side of the power transfer hinge.
 - General Contractor is responsible for installing lockset and electrified hinge. To include cable between lockset and hinge, with terminations.

SET: 8

DESCRIPTION: PAIR OF INTERIOR DOORS JANITOR/STORAGE (ACCESSIBLE TO PUBLIC / CUSTOMERS)

GENERAL CONTRACTOR FURNISHED / INSTALLED

6	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	DUST PROOF STRIKE	570	US32D	RO
1	SET AUTO FLUSH BOLTS	2842 OR 2842 AS REQUIRED	US32D	RO
2	KICK PLATE	K1050 10" X 2" LOW CSK BEV	US32D	RO
2	WALL STOP	409	US32D	RO
1	ASTRAGAL	18041CNB X DOOR HEIGHT	PE	
6	SILENCER	608	RO	RO
1	STOREROOM LOCK	MATCH EXISTING	SC	
1	PROTEC 2 CYLINDER	MATCH EXISTING	US26D	OT

- Notes:
- Prepare door for cylindrical store room headset.

SET: 10

DESCRIPTION: INTERIOR DOOR WITH ELECTRIFIED CYLINDRICAL LOCKSET AND CARD READER, SINGLE STALL RESTROOM (ACCESSIBLE TO PUBLIC/CUSTOMERS)

GENERAL CONTRACTOR FURNISHED / INSTALLED

3	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	AUTOMATIC DOOR OPERATOR	DORMAKABA ED100LE	US32D	OT
1	PRIVATE LOCKSET WITH OCC INDICATOR	SCHLAGE N5030 INDICATOR TRM	US32D	SC
1	KICK PLATE	K1050 10" X 2" LOW CSK BEV	US32D	RO
1	DOOR STOP	RM850 OR RM860 AS REQUIRED	US32D	RO
3	SILENCER	608	RO	RO
2	DOOR SWITCH	505	NO	+

- Notes:
- Noncontactless data controls with occupancy indicator to be provided to maintain privacy while providing ADA compliant access.
 - Provide **low-energy automatic door operator** complying with ASIS/BOSMA 4.15.13 and applicable accessibility requirements.
 - Automatic operator shall be capable of manual operation when not actuated.
 - Provide automatic operator with push cable activation on both sides of door.

SET: 12

DESCRIPTION: STAIR DOOR SINGLE

GENERAL CONTRACTOR FURNISHED / INSTALLED

3	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	RM EXIT DEVICE	8815 ETL	US32D	SA
1	SURFACE CLOSER	351 CPS	EN	SA
1	KIT	581-2	EN	SA

SET: 1b

DESCRIPTION: ALUMINUM STOREFRONT EXTERIOR DOUBLE DOOR WITH ADA OPERATOR, EXIT DEVICE, AND READER

GENERAL CONTRACTOR FURNISHED / INSTALLED

2	CONTINUOUS HINGE	CFMSLF-HD1 SER12 OR CFMSLJ-HD1 SER12	US32D	PE
2	DOOR PULL	RM3311-72 MTG-TYPE 12XHD MP	US32D	RO
2	SWEEP	351CN TKSP X DOOR WIDTH		PE
1	THRESHOLD	273X224AFGT MSES2SSS X OPENING WIDTH		PE

SECURITY VENDOR FURNISHED / INSTALLED

1	CON VERT ROD EXIT, EXIT ONLY	55 56 ADH410 EO (LEFT HAND)	US32D	SA
1	CON VERT ROD EXIT, NIGHTLATCH	LC 55 56 ADH410 10R (RIGHT HAND)	US32D	SA
1	CLO CYLINDER	PROVIDED BY OWNER (RIGHT HAND)	US32D	OT
1	SURFACE CLOSER	351 CPS (LEFT HAND)	EN	SA
1	DROP PLATE	351D (LEFT HAND)	EN	SA
1	KIT	581-2	EN	SA
1	AUTOMATIC OPENER	6331 (RIGHT HAND)	NO	NO
1	ELECTROLYNX HARNESS	QC-C250P	MK	+
1	ELECTROLYNX HARNESS	QC-C LENGTH REQUIRED	MK	+
1	CARD READER	TBD	NO	NO
1	RTE MOTION DETECTOR	DS160	BOSCH	
2	RECESSED DOOR POSITION SWITCH	TBD	TBD	
1	BUZZER AND INTERCOM	TBD	TBD	

- Notes:
- Weatherstripping furnished by aluminum door supplier.
 - General Auto Operator push pad controlled by access control.
 - Keep bottom 1/2" of the door clear.

SET: 2b

DESCRIPTION: STANDARD ENTRY MAIN ENTRY INTERIOR SINGLE

GENERAL CONTRACTOR FURNISHED / INSTALLED

1	CONTINUOUS HINGE	CFMSLF-HD1 SER12 OR CFMSLJ-HD1 SER12	US32D	PE
1	DOOR PULL	RM3311-48 MTG-TYPE 12XHD MP		RO

SECURITY VENDOR FURNISHED / INSTALLED

1	RM EXIT DEVICE, STOREROOM	LC 55 56 ADH04 LESS PULL	US32D	SA
1	CLO CYLINDER	PROVIDED BY OWNER	US32D	OT
1	AUTOMATIC OPENER	6331	889	NO
1	ELECTROLYNX HARNESS	QC-C250P	MK	+
1	ELECTROLYNX HARNESS	QC-C LENGTH REQUIRED	MK	+
1	ENTRY DOOR SWITCH	504	NO	+
1	DOOR SWITCH	505	NO	+

- Notes:
- Weatherstripping furnished by Aluminum Door Supplier.
 - Keep bottom 1/2" of the door clear for ADA, including Door Pull Height.
 - Entry Auto Operator push pad controlled by access control.
 - Weatherstripping furnished by Aluminum Door Supplier.
 - No outside rim.

SET: 3b

DESCRIPTION: EXTERIOR BACK DOOR SINGLE

GENERAL CONTRACTOR FURNISHED / INSTALLED

1	CONTINUOUS HINGE	CFMSLF-HD1 SER12 OR CFMSLJ-HD1 SER12		PE
1	SWEEP	315CN TKSP X DOOR WIDTH		PE
1	THRESHOLD	273X224AFGT MSES2SSS X OPENING WIDTH		PE
1	RM EXIT DEVICE, EXIT ONLY	LD 8510 EO	US32D	SA
1	DROP PLATE	351D	EN	SA
1	SURFACE CLOSER	351 CPS	EN	SA
1	KIT	581-2	EN	SA

- Notes:
- Weatherstripping furnished by Aluminum Door Supplier.
 - No outside rim.

SET: 5

DESCRIPTION: NEW CONSTRUCTION INTERIOR SINGLE DOOR, STORAGE (HOLLOW METAL FRAME WITH WOOD DOOR)

GENERAL CONTRACTOR FURNISHED / INSTALLED

3	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	DOOR STOP	RM850 OR RM860 AS REQUIRED	US32D	RO
3	SILENCER	608	RO	RO
1	STOREROOM LATCH	MATCH EXISTING	US26D	SC

- Notes:
- Prepare door for cylindrical passage set.

SET: 7

DESCRIPTION: PAIR OF INTERIOR DOORS WITH ELECTRIFIED LOCK AND CARD READER

GENERAL CONTRACTOR FURNISHED / INSTALLED

2	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	HINGE, FULL MORTISE - ELECTRIFIED	TA2731 QC FT 4-1/2" X 4-1/2"	US26D	MK
1	DUST PROOF STRIKE	570	US32D	RO
1	SET AUTO FLUSH BOLTS	2842 OR 2842 AS REQUIRED	US32D	RO
1	FAIL SECURE LOCK	LC 30 10XG71 LL	US26D	SA
2	SURFACE CLOSER	351 O	EN	SA
1	CORONATOR	2600 SERIES X OPENING WIDTH	BLACK	RO
2	KICK PLATE	K1050 10" X 2" LOW CSK BEV	US32D	RO
2	WALL STOP	409	US32D	RO
1	ASTRAGAL	18041CNB X DOOR HEIGHT	PE	
6	SILENCER	608	RO	RO
1	ELECTROLYNX HARNESS	QC-C250P	MK	+
1	ELECTROLYNX HARNESS	QC-C LENGTH REQUIRED	MK	+

SECURITY VENDOR FURNISHED / INSTALLED

1	CARD READER	TBD	TBD	
1	RTE MOTION DETECTOR	DS160	BOSCH	
2	RECESSED DOOR POSITION SWITCH	TBD	TBD	
1	CLO CYLINDER	PROVIDED BY OWNER		

- Notes:
- Power supply and door position switch furnished by access control supplier. Power will be terminated to frame side of the power transfer hinge.
 - General Contractor is responsible for installing lockset and electrified hinge. To include cable between lockset and hinge, with terminations.

SET: 9

DESCRIPTION: NEW CONSTRUCTION INTERIOR SINGLE DOOR JANITOR/STORAGE (ACCESSIBLE TO PUBLIC / CUSTOMERS)

GENERAL CONTRACTOR FURNISHED / INSTALLED

3	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	DOOR STOP	RM850 OR RM860 AS REQUIRED	US32D	RO
1	SURFACE CLOSER	351 O	EN	SA
3	SILENCER	608	RO	RO
1	STOREROOM LOCK	MATCH EXISTING	SC	
1	PROTEC 2 CYLINDER	MATCH EXISTING	US26D	OT

- Notes:
- Prepare door for cylindrical store room headset.

SET: 11

DESCRIPTION: 2-HOUR RATED DOOR WITH ELECTROMAGNETIC HOLD-OPEN AND LOCAL SMOKE DETECTION

GENERAL CONTRACTOR FURNISHED / INSTALLED

3	HINGE, FULL MORTISE	TA2731 FT 4-1/2" X 4-1/2"	US26D	MK
1	SURFACE CLOSER	LCN 4040P	ALUM	
1	ELECTRONIC HOLD-OPEN	LCN 50M85 SERIES	LOCAL DETECTOR	
1	SMOKE DETECTOR / RELEASING DEVICE	SYSTEM SENSOR / AS REQUIRED	LOCAL DETECTOR	
1	MANUAL RELEASE / TEST SWITCH	BY HOLD OPEN MANUF.	LOCAL TO DOOR	
1	KICK PLATE	K1050 10" X 2" LOW CSK BEV	US32D	RO
1	GASKETING	S773BL (HEAD & JAMBS)	TBD	
1	MORTISE LOCKSET - FIRE RATED	MATCH EXISTING	TBD	
1	PROTEC 2 CYLINDER	PROVIDED BY OWNER	US26D	OT

- Notes:
- Provide **automatic-closing fire door assembly** with electromechanical hold-open device - 35 lb. holding force, full safe.
 - Door shall be held open during normal operation and shall **automatically release and close upon activation of the local smoke detector**.
 - Door shall also **automatically release and close upon loss of electrical power** to the hold-open-releasing system.
 - Provide local smoke detector specifically suitable for the intended **door-release/safety application** and coordinate listing requirements with the hardware manufacturer and AHJ.
 - Provide detector/releasing device at the door because the building is **not equipped with a fire alarm system**.

NOTES:

1. EQUIPMENT SHALL COMPLY WITH BUILD AMERICA BUY AMERICA REQUIREMENTS IN ACCORDANCE WITH 49 U.S.C. 5323(j) AND 49 CFR PART 661.
2. COORDINATE MOUNTING TYPE WITH ARCHITECTURAL CEILING PLANS.
3. PROVIDE REMOTE CABLE ACTUATOR FOR BALANCING DAMPERS LOCATED ABOVE HARD-LID CEILING.

NOTES:

1. EQUIPMENT SHALL COMPLY WITH BUILD AMERICA BUY AMERICA REQUIREMENTS IN ACCORDANCE WITH 49 USC 5323(a) AND 49 CFR PART 861.2.
2. PROVIDE FACTORY INSTALLED LOW LEAK DRY-BULB ECONOMIZER WITH OUTDOOR AIR FLOW, BAROMETRIC RELIEF, AND ECONOMIZER BY-PASS FOR DETECTION AND DIAGNOSTICS.
3. PROVIDE FACTORY INSTALLED HOT GAS REHEAT.
4. PROVIDE FACTORY-INSTALLED REFRIGERANT DETECTION SYSTEM FOR R-454B REFRIGERANT.
5. PROVIDE FACTORY-INSTALLED HIGH CIRCUIT BREAKER/DISCONNECT AND SINGLE-POINT POWER CONNECTION.
6. PROVIDE FIELD-INSTALLED SINGLE-ENTRY ECONOMIZER KIT AND 1/2" NPT VENT LINE.
7. PROVIDE STANDARD 2-INCH THROUWALL FANWAYS.
8. PROVIDE 1/2" NPT DISPERSED FAN CONTROL WITH VFD OPERATION BASED ON COOLING STAGES.
9. PROVIDE FACTORY-INSTALLED POWER EXHAUST.
10. PROVIDE 1/2" NPT DISPERSED FAN CONTROL WITH VFD OPERATION BASED ON COOLING STAGES.
11. PROVIDE WALL-MOUNTED CO₂ SENSOR, DEMAND CONTROL VENTILATION CONTROLS, AND OUTDOOR-AIR DAMPER MODULATION.

NOTES:

1. EQUIPMENT SHALL COMPLY WITH BUILD AMERICA BUY AMERICA REQUIREMENTS IN ACCORDANCE WITH 49 U.S.C. 5323(j) AND 49 CFR 23.107.
2. MANUFACTURER TO PROVIDE ELECTRICAL DISCONNECT SWITCH.
3. FAN CONTROLLED BY REVERSE ACTING TEMPERATURE THERMOSTAT AT TOP OF HOISTWAY; ON AT $\geq 85^{\circ}\text{F}$, OFF AT $\leq 80^{\circ}\text{F}$.
4. PROVIDE 14" CURB HEIGHT.

NOTES:
1. EQUIPMENT SHALL COMPLY WITH BUILD AMERICA BUY AMERICA REQUIREMENTS IN ACCORDANCE WITH 49 U.S.C. 5323(j) AND 49 CFR PART 661.

NOTES:

1. PROVIDE FACTORY-COMPATIBLE WI-FI INTERFACE ADAPTER, MODEL PAC-USWHS002-WF-2
2. FACTORY-COMPATIBLE CONDENSATE PUMP WITH RESERVOIR AND SENSOR, MODEL X87-721.
3. FACTORY PROVIDED ELECTRICAL DISCONNECT SWITCH.
4. PROVIDE COMPLETE CONDENSATE DRAIN PIPING, TRAP WHERE REQUIRED, INSULATION, SUPPORTS, AND TERMINATION AT APPROVED LOCATION.

NOTES:

1. PROVIDE AS A COMPLETE FACTORY-MATCHED SYSTEM WITH ASSOCIATED OUTDOOR UNIT, INCLUDING CONTROLS, REFRIGERANT PIPING, WIRING, AND ACCESSORIES.
2. PROVIDE AUXILIARY DRAIN PAN, CONDENSATE OVERFLOW SWITCH, AND CONDENSATE PUMP.
3. PROVIDE FACTORY-COMPATIBLE WI-FI INTERFACE AND WALL CONTROLLER.

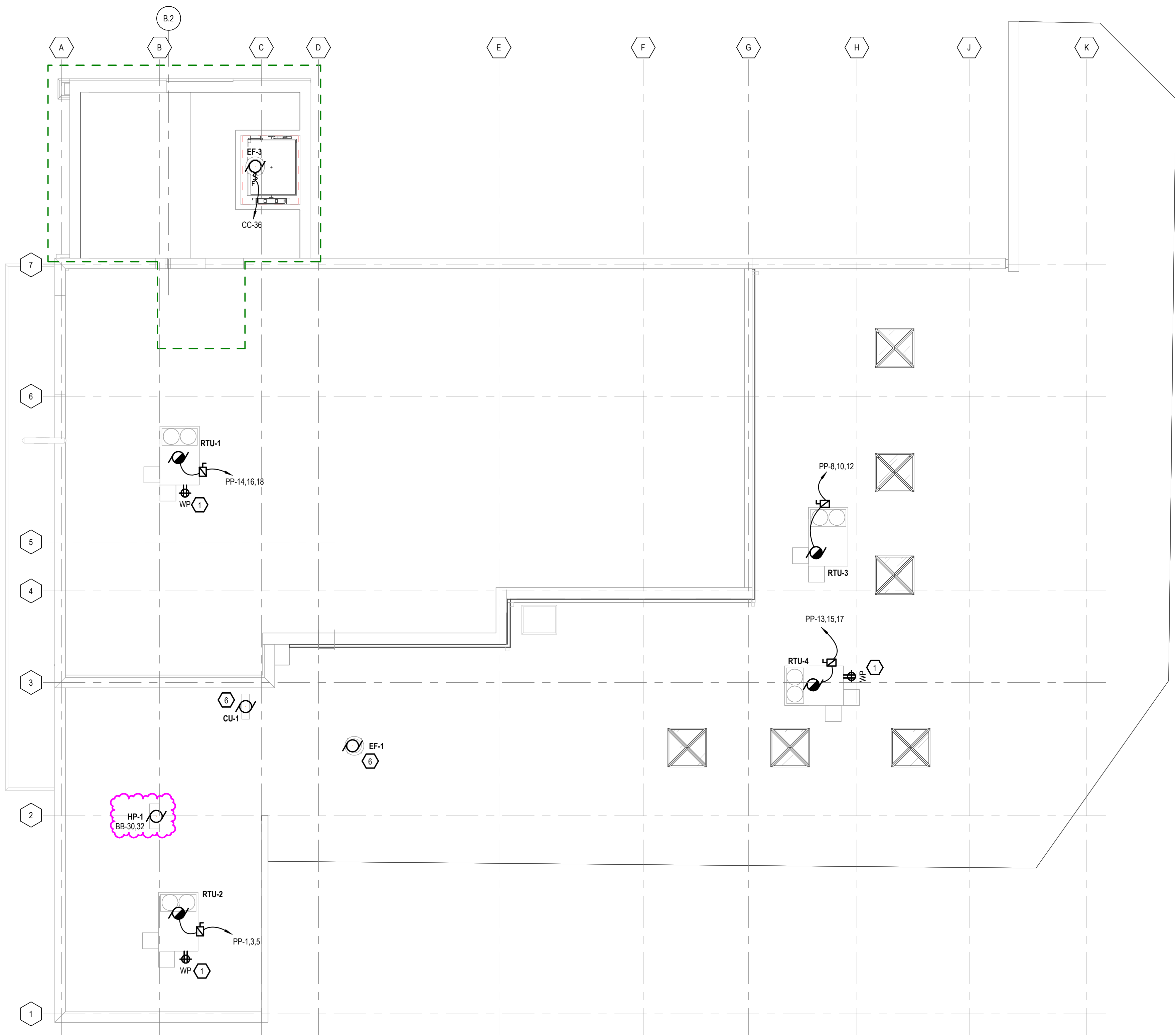
NOTES:

1. INSTALL UNITS LEVELED ON MINIMUM 12" TALL EQUIPMENT RAILS, EQUAL TO PATE MODEL ES2.
2. FACTORY PROVIDED ELECTRICAL DISCONNECT SWITCH.
3. PROVIDE FACTORY FRONT WIND BAFFLE ACCESSORY WB-PA4.
4. PROVIDE FACTORY ADVANCED SIDE WIND BAFFLE ACCESSORY WB-SD4.
5. PROVIDE FACTORY REAR WIND BAFFLE ACCESSORY WB-RE4.

NOTES:

1. INSTALL UNITS LEVELED ON MINIMUM 12" TALL EQUIPMENT RAILS, EQUAL TO PATE MODEL ES2.
2. FACTORY PROVIDED ELECTRICAL DISCONNECT SWITCH.
3. PROVIDE FACTORY FRONT WIND BAFFLE ACCESSORY WB-PA4.
4. PROVIDE FACTORY ADVANCED SIDE WIND BAFFLE ACCESSORY WB-SD4.
5. PROVIDE FACTORY REAR WIND BAFFLE ACCESSORY WB-RE4.





ROOF POWER PLAN
1/8" = 1'-0"

POWER GENERAL NOTES

- A. WHERE CONNECTED TO A 20A. BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
- B. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- C. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
- D. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
- E. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

POWER KEYNOTES

- 1. RECONNECT RECEPTACLE AT UNIT TO EXISTING CIRCUIT.
- 2. ELEVATOR MAIN DISCONNECTING MEANS. DISCONNECT TO BE LOCKABLE IN THE OPEN POSITION.
- 3. ELEVATOR CAR LIGHTS, CART TOP RECEPTACLE, AUXILIARY LIGHTING POWER SOURCE AND VENTILATION DISCONNECTING MEANS. DISCONNECT TO BE LOCKABLE IN THE OPEN POSITION.
- 4. JAMB MOUNTED AND WALL MOUNTED ADA ACTUATOR.
- 5. MOUNT RECEPTACLE IN FACE OF CEILING TILE.
- 6. RECONNECT NEW EQUIPMENT TO ORIGINAL CIRCUIT.
- 7. TOP HALF OF NEW RECEPTACLES IN THIS ROOM SHALL BE CONNECTED TO OCCUPANCY SENSOR FOR CODE REQUIRED PLUG CONTROL.
- 8. MOUNT RECEPTACLE IN FACE OF KNEE WALL UNDER COUNTER.
- 9. COORDINATE MOUNTING HEIGHT OF CONNECTIONS FOR TELEVISIONS WITH ARCHITECTURAL ELEVATIONS



- A. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
- B. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
- C. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
- D. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
- E. ALL EMERGENCY AND EXIT LIGHTING WITH INTEGRAL BATTERIES TO BE FED FROM AN UNSWITCHED LEG OF THE BRANCH CIRCUIT FEEDING LIGHTING IN THE SAME SPACE. BATTERY TO HAVE CAPACITY FOR 90 MINUTES OF BACK-UP POWER.

1. NEW LOCATION OF EXISTING LIGHT SWITCHES INDICATED IN DEMOLITION PLANS
2. CONNECT TO EXISTING LIGHTING CIRCUIT IN THE AREA.
3. CONNECT NEW SWITCH TO EXISTING HALLWAY CIRCUIT.
4. PROVIDE NEW SWITCH IN EXISTING LOCATION.
5. MOUNT EXIT SIGN AT 7'-10" AFF TO CENTER OF FIXTURE.

LIGHTING CONTROL SCHEDULE												
CONTROL MODULE	CONTROLLER LOCATION	LIGHTING ZONE	CIRCUIT NUMBER	FIXTURE TYPE	TOTAL LOAD	SEQUENCE OF OPERATION	LOCAL CONTROL	OCCUPANCY/ VACANCY SENSOR	PHOTOCELL	TIME CLOCK	EMERGENCY LUMINAIRE	EMERGENCY CIRCUIT
105 STAIRS A												
0-10V	PLENUM		CC-39	R1B	11 W	S2	LC105.LC205	Yes	No	No	No	
0-10V	PLENUM		CC-39	R1B	11 W	S2	LC105.LC205	Yes	No	No	Yes	INVERTER
106 HALLWAY B												
0-10V	PLENUM		CC-39	B1	66 W	S2	LC106	Yes	No	No	No	
0-10V	PLENUM		CC-39	R1A	24 W	S2	LC106	Yes	No	No	No	
0-10V	PLENUM		CC-39	R1A	24 W	S2	LC106	Yes	No	No	Yes	INVERTER
107 ELEC.												
SWITCHED	PLENUM		CC-39	L1D	47 W	S3	S107	No	No	No	Yes	INVERTER
108 STORAGE												
0-10V	PLENUM		CC-39	L1C	32 W	S1	LC108	Yes	No	No	No	
109 HALLWAY A												
0-10V	PLENUM			A2A	115 W	S2	EXISTING	Yes	No	No	No	
0-10V	PLENUM			A3B	43 W	S2	EXISTING	Yes	No	No	No	
110 CLOSET												
0-10V	PLENUM			L1B	26 W	S1	LC110	Yes	No	No	No	
118 HALLWAY C												
0-10V	PLENUM	CC-42		A2A	115 W	S2	LC118	Yes	No	No	No	
0-10V	PLENUM	CC-42		A2A	115 W	S2	LC118	Yes	No	No	Yes	INVERTER
0-10V	PLENUM	CC-42		R1C	54 W	S2	LC118	Yes	No	No	No	
0-10V	PLENUM	CC-42		R1C	54 W	S2	LC118	Yes	No	No	Yes	INVERTER
119 RESOURCE CENTER												
0-10V	PLENUM		CC-40	R1C	126 W	S2	LC119	Yes	No	No	No	
0-10V	PLENUM		CC-40	R1C	90 W	S2	LC119	Yes	No	No	Yes	INVERTER
120 EAST VESTIBULE												
0-10V	PLENUM		CC-40	R1F	33 W	S2		Yes	No	No	Yes	INVERTER
121 HELP DESK												
0-10V	PLENUM		CC-40	A1	28 W	S2	LC121	Yes	No	No	Yes	INVERTER
0-10V	PLENUM		CC-40	A3C	96 W	S2	LC121	Yes	No	No	No	
122 RESTROOM												
0-10V	PLENUM		CC-40	R1B	22 W	S2	LC122	Yes	No	No	No	
123 OFFICE												
0-10V	PLENUM		CC-40	A3D	122 W	S1	LC123	Yes	No	No	No	
124 OFFICE												
0-10V	PLENUM		CC-40	A3F	136 W	S1	LC124	Yes	No	No	No	
138 OFFICE												
0-10V	PLENUM		CC-41	A3B	86 W	S1	LC138	Yes	No	No	No	
139 BOARD ROOM												
0-10V	PLENUM	Z1	CC-41	C1A	12 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z1	CC-41	C1B	28 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z1	CC-41	C1C	40 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z1	CC-41	C1D	60 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z1	CC-41	C1F	104 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z2	CC-41	D1	50 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z3	CC-41	P1	165 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z4	CC-41	R1A	60 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z4	CC-41	R1A	46 W	S1	LC138A-D	Yes	No	No	Yes	INVERTER
0-10V	PLENUM	Z5	CC-41	A2A	138 W	S1	LC138A-D	Yes	No	No	No	
0-10V	PLENUM	Z5	CC-41	A2A	23 W	S1	LC138A-D	Yes	No	No	Yes	INVERTER
0-10V	PLENUM	Z5	CC-41	A2B	28 W	S1	LC138A-D	Yes	No	No	No	
141 STORAGE JANITORS												
0-10V	PLENUM		CC-42	L1A	19 W	S1	LC141	Yes	No	No	No	
144 HALLWAY D												
0-10V	PLENUM		CC-42	A2A	46 W	S2	LC144	Yes	No	No	No	
0-10V	PLENUM		CC-42	A2A	23 W	S2	LC144	Yes	No	No	Yes	INVERTER
145 STORAGE												
0-10V	PLENUM		CC-41	A3B	86 W	S1	LC145	Yes	No	No	No	
201 HALLWAY												
0-10V	PLENUM			A3A	30 W	S2	EXISTING	No	No	No	No	
0-10V				W2	3 W	S2	NONE	No	No	No	No	
205 STAIRS A												
0-10V	PLENUM		CC-39	R1B	11 W	S2	LC105.LC205	Yes	No	No	No	
0-10V	PLENUM		CC-39	R1B	11 W	S2	LC105.LC205	Yes	No	No	Yes	INVERTER
0-10V	PLENUM		CC-39	R1C	18 W	S2	LC105.LC205	Yes	No	No	No	
0-10V	PLENUM		CC-39	R1C	36 W	S2	LC105.LC205	Yes	No	No	Yes	INVERTER
0-10V	PLENUM		CC-39	R1D	27 W	S2	LC105.LC205	Yes	No	No	Yes	INVERTER
206 HALLWAY												
0-10V	PLENUM		CC-39	R1A	24 W	S2	LC206	Yes	No	No	No	
0-10V	PLENUM		CC-39	R1A	24 W	S2	LC206	Yes	No	No	Yes	INVERTER
207 ELEC.												
SWITCHED	PLENUM		CC-39	L1D	47 W	S3	S207	No	No	No	Yes	INVERTER
208 STORAGE												
0-10V	PLENUM		CC-39	L1C	32 W	S1	LC208	Yes	No	No	No	
E1 ELEVATOR												
0-10V			CC-39	W1	15 W	S3	S1	No	No	No	No	
SEQUENCE OF OPERATIONS												
OPERATION	DESCRIPTION											
S1	MANUAL ON. AUTO OFF AFTER 30 MINUTE TIMEOUT.											
S2	AUTO ON. AUTO OFF AFTER 30 MINUTE TIMEOUT.											
S3	MANUAL ON. MANUAL OFF.											

LIGHTING LOW-VOLTAGE SWITCH SCHEDULE		
SWITCH ID	LIGHTING ZONE	CONTROL DESCRIPTION
105 STAIRS A		
LC105		SINGLE ZONE - ON/OFF
106 HALLWAY B		
LC106		SINGLE ZONE - ON/OFF
108 STORAGE		
LC108		SINGLE ZONE - ON/OFF
110 CLOSET		
LC110		SINGLE ZONE - ON/OFF
118 HALLWAY C		
LC118		SINGLE ZONE - ON/OFF
119 RESOURCE CENTER		
LC119		SINGLE ZONE - ON/OFF
LC119		SINGLE ZONE - ON/OFF
LC121		SINGLE ZONE - ON/OFF/RAISE/LOWER
LC121		SINGLE ZONE - ON/OFF/RAISE/LOWER
122 RESTROOM		
LC122		SINGLE ZONE - ON/OFF
123 OFFICE		
LC123		SINGLE ZONE - ON/OFF/RAISE/LOWER
124 OFFICE		
LC124		SINGLE ZONE - ON/OFF/RAISE/LOWER
138 OFFICE		
LC138		SINGLE ZONE - ON/OFF/RAISE/LOWER
139 BOARD ROOM		
LC138B	Z1, Z2, Z3, Z4, Z5	MULTI ZONE - ON/OFF/RAISE/LOWER
LC138A	Z1, Z2, Z3, Z4, Z5	MULTI ZONE - ON/OFF/RAISE/LOWER
LC139C	Z1, Z2, Z3, Z4, Z5	MULTI ZONE - ON/OFF/RAISE/LOWER
LC139D	Z1, Z2, Z3, Z4, Z5	MULTI ZONE - ON/OFF/RAISE/LOWER
141 STORAGE JANITORS		
LC141		SINGLE ZONE - ON/OFF
144 HALLWAY D		
LC144		SINGLE ZONE - ON/OFF
145 STORAGE		
LC145		SINGLE ZONE - ON/OFF
205 STAIR A		
LC205		SINGLE ZONE - ON/OFF
206 HALLWAY		
LC206		SINGLE ZONE - ON/OFF
LC206		SINGLE ZONE - ON/OFF
208 STORAGE		
LC208		SINGLE ZONE - ON/OFF

MECHANICAL EQUIPMENT CONNECTION SCHEDULE									
TAG	DESCRIPTION	POWER	VOLTAGE	PHASE	FEEDER	DISCONNECTING MEANS	DISC FURNISH/INSTALL	NOTES	
AC-1	AIR CONDITIONING UNIT	240 VA	240 V	1	2#12 + #12 G, 3/4"	NFS	DIV. 26 / DIV. 26	FED FROM CU-1	
CU-1	CONDENSING UNIT	3360 VA	240 V	1	2#12 + #12 G, 3/4"	NFS	DIV. 26 / DIV. 26		
ECH-1	ELECTRIC CABINET HEATER	9145 VA	480 V	3	3#12 + #12 G, 3/4"	FURNISHED W/ UNIT	DIV. 23 / DIV. 23	11A	
EF-1	EXHAUST FAN	336 VA	120 V	1	2#12 + #12 G, 3/4"	NFS	DIV. 23 / DIV. 23		
EF-2	EXHAUST FAN	36 VA	120 V	1	2#12 + #12 G, 3/4"	FS	DIV. 26 / DIV. 26	0.29 FLA / 0.4 MCA / 15 MOCP	
EF-3	EXHAUST FAN	120 VA	120 V	1	2#12 + #12 G, 3/4"	FS	DIV. 26 / DIV. 26	1/25 HP	
ECU-1	HEAT PUMP UNIT	2467 VA	240 V	1	2#12 + #12 G, 3/4"	NFS	DIV. 26 / DIV. 26	FED FROM HP#1	
HP-1	HEAT PUMP	4800 VA	240 V	1	2#10 + #10 G, 3/4"	NFS	DIV. 26 / DIV. 26		
RTU-1	ROOFTOP UNIT	9076 VA	480 V	3	3#12 + #12 G, 3/4"	FURNISHED W/ UNIT	DIV. 23 / DIV. 23	12 MCA / 15 MOCP	
RTU-2	ROOFTOP UNIT	11639 VA	480 V	3	3#12 + #12 G, 3/4"	FURNISHED W/ UNIT	DIV. 23 / DIV. 23	14 MCA / 20 MOCP	
RTU-3	ROOFTOP UNIT	24941 VA	480 V	3	3#10 + #10 G, 3/4"	FURNISHED W/ UNIT	DIV. 23 / DIV. 23	30 MCA / 40 MOCP	
RTU-4	ROOFTOP UNIT	23788 VA	480 V	3	3#10 + #10 G, 3/4"	FURNISHED W/ UNIT	DIV. 23 / DIV. 23	25 MCA / 30 MOCP	
SP-1	SUMP PUMP	1860 VA	120 V	1	2#12 + #12 G, 3/4"	PLUG	DIV. 26 / DIV. 26	15.5 A / 112 HP	
STARTER TYPES:									
FVNR	FULL VOLTAGE NON-REVERSING	FS	FUSED SWITCH			HOA	HAND-OFF-AUTO SWITCH		
FVR	FULL VOLTAGE REVERSING	NFS	NON-FUSED SWITCH			RP	RED (RUN) PILOT LIGHT		
2 SPD	TWO SPEED	MCP	MOTOR CIRCUIT PROTECTOR			GP	GREEN (POWER) PILOT LIGHT		
VFD	VARIABLE FREQUENCY DRIVE	CB	CIRCUIT BREAKER			0/0	ON-OFF SELECTOR SWITCH		
RVS	REDUCED VOLTAGE					S/S	STOP-START PUSHBUTTONS		
COMBINATION DISCONNECT TYPES:									
CONTROL DEVICES:									
NOTES:									
1. INPUT AND OUTPUT CONDUCTORS TO AND FROM VFD'S SHALL BE INSTALLED IN SEPARATE RACEWAYS, INDEPENDENT FROM ANY OTHER CONDUCTORS, AND SHALL NOT PASS THRU ANY COMMON WIREWAY OR RACEWAY.									

LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MOUNTING	VOLT	WATT	MANUFACTURER	CATALOG NUMBER	NOTE
A1	1X4 RECESSED TROFFER	RECESSED	120 V	28 W	FOCAL POINT	FLUL14PS2500L30K	
A2A	2X2 RECESSED TROFFER	RECESSED	120 V	23 W	FOCAL POINT	FLUL22PS2500L30K	
A2B	2X2 RECESSED TROFFER	RECESSED	120 V	28 W	FOCAL POINT	FLUL22PS2500L30K	
A3A	2X4 RECESSED TROFFER	RECESSED	120 V	30 W	FOCAL POINT	FLUL24PS3000L30K	
A3B	2X4 RECESSED TROFFER	RECESSED	120 V	43 W	FOCAL POINT	FLUL24PS4000L30K	
A3C	2X4 RECESSED TROFFER	RECESSED	120 V	48 W	FOCAL POINT	FLUL24PS4500L30K	
A3D	2X4 RECESSED TROFFER	RECESSED	120 V	61 W	FOCAL POINT	FLUL24PS6000L30K	
A3F	2X4 RECESSED TROFFER	RECESSED	120 V	68 W	FOCAL POINT	FLUL24PS6000L30K	
B1	ROUND SURFACE FIXTURE	PENDANT	120 V	22 W	BROWNLEE	2080 16 WH R22 WH 30K	
C1A	LINEAR UP LIGHT WALL GRAZE	SURFACE	120 V	12 W	LUMINII	KM-BABA-6FT-4IN-VC72VHO-30K-GR	
C1B	LINEAR UP LIGHT WALL GRAZE	SURFACE	120 V	28 W	LUMINII	KM-BABA-14FT-4IN-VC72VHO-30K-GR	1
C1C	LINEAR UP LIGHT WALL GRAZE	SURFACE	120 V	40 W	LUMINII	KM-BABA-20FT-8IN-VC72VHO-30K-GR	1
C1D	LINEAR UP LIGHT WALL GRAZE	SURFACE	120 V	60 W	LUMINII	KM-BABA-30FT-10IN-VC72VHO-30K-GR	1
C1F	LINEAR UP LIGHT WALL GRAZE	SURFACE	120 V	104 W	LUMINII	KM-BABA-52FT-30IN-VC72VHO-30K-GR	1
D1	WALL SCENE	WALL M.T.	120 V	10 W	ULTRA LIGHTS	9260-18 BA-04	
L1A	LINEAR STRIP FIXTURE	SURFACE	120 V	19 W	LITHONIA	CLX L48 3000LM SEF FDL MVOLT 30K 80CRI	
L1B	LINEAR STRIP FIXTURE	SURFACE	120 V	26 W	LITHONIA	CLX L48 4000LM SEF FDL MVOLT 30K 80CRI	
L1C	LINEAR STRIP FIXTURE	SURFACE	120 V	32 W	LITHONIA	CLX L48 5000LM SEF FDL MVOLT 30K 80CRI	
L1D	LINEAR STRIP FIXTURE	SURFACE	120 V	47 W	LITHONIA	CLX L48 7000LM SEF FDL MVOLT 30K 80CRI	
P1	RING PENDANT	PENDANT	120 V	15 W	OCL ARCHITECTURAL LIGHTING	RW4-PIE1161MM SWP 1.611 30K	
R1A	4" ROUND LED DOWNLIGHT	RECESSED	120 V	6 W	LITHONIA	LDN4 35 95 LOAR4 LSS	
R1B	4" ROUND LED DOWNLIGHT	RECESSED	120 V	11 W	LITHONIA	LDN4 35 10 LOAR4 LSS	
R1C	4" ROUND LED DOWNLIGHT	RECESSED	120 V	18 W	LITHONIA	LDN4 35 15 LOAR4 LSS	
R1D	4" ROUND LED DOWNLIGHT	RECESSED	120 V	27 W	LITHONIA	LDN4 35 25 LOAR4 LSS	
R1E	4" ROUND LED DOWNLIGHT	RECESSED	120 V	33 W	LITHONIA	LDN4 35 30 LOAR4 LSS	
W1	WALL MOUNTED LINEAR FIXTURE	WALL MT.	120 V	15 W	LITHONIA	ZL1N124-1500LM-FST-MVOLT	
W2	NO EXIT INDICATOR	WALL MT.	120 V	3 W	LITHONIA	LQM-P-W-1-R-MVOLT-SW12	
X1	EXIT SIGN	UNIVERSAL	120 V	3 W	LITHONIA	LQM-S-W-3-S-120V27-ELN-SD	2

GENERAL NOTES:

A. ALL FIXTURES SHALL BE BUILT AMERICA, BUY AMERICA (BABA) COMPLIANT.

SCHEDULE NOTES:

1. APPROXIMATE LENGTH OF THE TOTAL SECTION LENGTH LISTED. FIXTURE SHALL BE BROKEN INTO SECTIONS AS REQUIRED BY THE MAX ALLOWABLE LENGTH OF THE FIXTURE INDICATED BY THE MANUFACTURER. REFER TO A111 DETAIL 87 FOR MOUNTING REQUIREMENTS.

2. IF WALL MOUNTED, FIXTURES TO BE MOUNTED AT 7'-6" AFF TO CENTER OF FIXTURE UNLESS NOTED OTHERWISE ON PLAN.

PANELBOARD: PP																						
LOCATION: STORAGE 008 MOUNTING: SURFACE NEMA 1 FED FROM: FEEDER: SEE ONE-LINE DIAGRAM					PANEL TYPE: VOLTAGE: 480Y/277V / 3 ø / 4W BUS AMPS: 200 AMPS MAIN DEVICE: 200 A MAIN CB A.I.C. RATING: 14,000 AMPS SYMMETRICAL SPECIAL:																	
LOAD DESCRIPTION	LOAD TYPE	BREAKER MOD	P	TRIP	CKT	A		B		C		CKT	TRIP	P	BREAKER MOD	LOAD TYPE	LOAD DESCRIPTION					
RTU-2	MTR	EX	3	20 A	1	3880	0					2										
					3			3880	0			4	35 A	3	EX	--	SPARE					
					5					3880	0	6										
SPARE	--	EX	3	35 A	7	0	8314					8										
					9				0	8314		10	40 A	3	EX	MTR	RTU-3					
					11					0	8314	12										
RTU-4	MTR		3	30 A	13	6928	3325					14										
					15			6928	3325			16										
					17					6928	3325	18										
ELEV	MTR		3	20 A	19	3048	3048					20										
					21			3048	3048			22	20 A	3		MTR, RCPT	ECH-1					
					23					3048	3048	24										
					25							26										
					27							28										
					29							30										
LOAD CLASSIFICATION					CONNECTED LOAD					DEMAND FACTOR					ESTIMATED DEMAND					PANEL TOTALS		
EXISTING LOADS					0 VA					0.00%					0 VA							
RECEPTACLE					9145 VA					100.00%					9145 VA					CONNECTED LOAD: 85630 VA		
LIGHTING					0 VA					0.00%					0 VA					EST. DEMAND LOAD: 91865 VA		
MOTORS					76485 VA					108.15%					82720 VA							
OTHER					0 VA					0.00%					0 VA					CONNECTED CURRENT: 103 A		
KITCHEN					0 VA					0.00%					0 VA					EST. DEMAND CURRENT: 110 A		
BREAKER MODIFIER LEGEND:																						
(G) - GROUND FAULT CIRCUIT INTERRUPTER. (A) - ARC FAULT CIRCUIT INTERRUPTER. (L) - LOCK-OUT PROVISIONS. (S) - SHUNT-TRIP.																						
(F) - FIRE ALARM CIRCUIT - PROVIDE LOCK-ON DEVICE AND PERMANENT RED MARKING AND LABELING AS "FIRE ALARM CIRCUIT". (EX) - EXISTING BREAKER																						
NOTES:																						
EC TO CONFIRM EXISTING SPARE CIRCUIT BREAKERS. EC TO USE EXISTING SPARE BREAKERS FOR NEW CIRCUITS BEFORE PURCHASING NEW BREAKERS.																						

PANELBOARD: MDP																	
LOCATION: STORAGE 008 MOUNTING: SURFACE NEMA 1 FED FROM: FEEDER: SEE ONE-LINE DIAGRAM						PANEL TYPE: VOLTAGE: 120/240V / 1 ø / 3W BUS AMPS: 600 AMPS MAIN DEVICE: 600 A MAIN CB A.I.C. RATING: 10,000 AMPS SYMMETRICAL SPECIAL:											
LOAD DESCRIPTION	LOAD TYPE	BREAKER MOD	P	TRIP	CKT	A		B		CKT	TRIP	P	BREAKER MOD	LOAD TYPE	LOAD DESCRIPTION		
EX EF-1	--	EX	1	20 A	1	696	900			2	20 A	1	EX	--	EX LTS		
EX DH-1	--	EX	1	20 A	3			1300	1400	4	20 A	1	EX	--	EX RCPT		
EX LOAD	--	EX	1	20 A	5	1200	1400			6	20 A	1	EX	--	EX SUMP PUMP		
EX CHU-1	--	EX	2	20 A	7			1500	1600	8	20 A	2	EX	--	EX DH-5		
SPACE	--		1	--	11			--	--	12	--	1		--	SPACE		
EX DH-2	--	EX	2	20 A	13	1600	1900			14	25 A	2	EX	--	EX DH-4		
SPACE	--		1	--	15			1600	1900	16	--	1		--	SPACE		
EX CHU-2	--	EX	2	25 A	17	--	--			18	--	1		--	SPACE		
SPACE	--		1	--	19			2500	1900	20	25 A	2	EX	--	EX DH-3		
SPACE	--		1	--	21	2500	1900			22	--	--	1	--	SPACE		
SPACE	--		1	--	23			--	--	24	--	--	1	--	SPACE		
SPACE	--		1	--	25	--	--			26	--	--	1	--	SPACE		
SPACE	--		1	--	27			--	--	28	--	--	1	--	SPACE		
SPACE	--		1	--	29	--	--			30	--	--	1	--	SPACE		
SPACE	--		1	--	31			--	14780	32	150 A	2	EX	OTHR; MTR; RCPT	EXISTING PANEL BB		
SPACE	--		1	--	33	--	16900			34	--	--	1		SPACE		
SPACE	--		1	--	35			--	--	36	--	--	1		SPACE		
EXISTING PANEL AA	LTS; MTR; RCPT	EX	2	150 A	37	14729	18780			38	150 A	2	EX	RCPT	EXISTING PANEL CC		
SPACE	--		1	--	41	--	--	13973	17420	42	--	--	1		SPACE		
LOAD CLASSIFICATION						CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS					
EXISTING LOADS						78896 VA		100.00%		78896 VA							
RECEPTACLE						35800 VA		63.97%		22900 VA		CONNECTED LOAD: 125478 VA					
LIGHTING						2467 VA		125.00%		3084 VA		EST. DEMAND LOAD: 114395 VA					
MOTORS						8315 VA		114.43%		9515 VA							
OTHER						0 VA		0.00%		0 VA		CONNECTED CURRENT: 523 A					
KITCHEN						0 VA		0.00%		0 VA		EST. DEMAND CURRENT: 477 A					
BREAKER MODIFIER LEGEND:																	
(G) - GROUND FAULT CIRCUIT INTERRUPTER. (A) - ARC FAULT CIRCUIT INTERRUPTER. (L) - LOCK-OUT PROVISIONS. (S) - SHUNT-TRIP.																	
(F) - FIRE ALARM CIRCUIT - PROVIDE LOCK-ON DEVICE AND PERMANENT RED MARKING AND LABELING AS "FIRE ALARM CIRCUIT". (EX) - EXISTING BREAKER																	
NOTES:																	
EC TO CONFIRM EXISTING SPARE CIRCUIT BREAKERS. EC TO USE EXISTING SPARE BREAKERS FOR NEW CIRCUITS BEFORE PURCHASING NEW BREAKERS.																	

PANELBOARD: CC																	
LOCATION: MOUNTING: SURFACE NEMA 1 FED FROM: MDP FEEDER: SEE ONE-LINE DIAGRAM				PANEL TYPE: VOLTAGE: 120/240V / 1 ø / 3W BUS AMPS: 250 MAIN DEVICE: 150 A MLO A.I.C. RATING: 10,000 AMPS SYMMETRICAL SPECIAL:													
LOAD DESCRIPTION	LOAD TYPE	BREAKER MOD	P	TRIP	CKT	A		B		CKT	TRIP	P	BREAKER MOD	LOAD TYPE	LOAD DESCRIPTION		
EX 2ND FLR LTS	--	EX	1	20 A	1	1200	720			2	20 A	1	EX	--	EX RM 204 RCPTS		
EX 2ND FLR LTS	--	EX	1	20 A	3			1200	720	4	20 A	1	EX	--	EX RM 203 RCPTS		
SPARE	--	EX	1	20 A	5	0	720			6	20 A	1	EX	--	EX RM 202 RCPTS		
SPARE	--	EX	1	20 A	7			0	720	8	20 A	1	EX	--	EX RM 205 RCPTS		
SPARE	--	EX	1	20 A	9	0	720			10	20 A	1	EX	--	EX RM 206 RCPTS		
SPARE	--	EX	1	20 A	11			0	720	12	20 A	1	EX	--	EX BRK RM & FRIDGE RCPTS		
EX FRONT SIGN	--	EX	1	20 A	13	800	720			14	20 A	1	EX	--	EX BREAK RM COUNTER		
EX FRONT CANOPY	--	EX	1	20 A	15			1200	800	16	20 A	1	EX	--	EX GARBAGE DISPOSAL		
EX SOUTH CANOPY	--	EX	1	20 A	17	1200	180			18	20 A	1	EX	--	EX UPSTAIRS WATER HEATER		
EX EAST CANOPY	--	EX	1	20 A	19			1200	1500	20	20 A	1	EX	--	EX UPSTAIRS OFFICE...		
EX EAST CANOPY	--	EX	1	20 A	21	1200	1800			22	20 A	1	EX	--	EX RANGE		
EX LIGHTING CONTACTOR	--	EX	1	20 A	23			400	1800	24	20 A	1	EX	--	EX RANGE		
AC-1 / CU-1	MTR	EX	2	20 A	25	1680	0			26	20 A	1	EX	--	EX LOAD		
					27			1680	0	28	20 A	1	EX	--	EX LOAD		
EX LOAD	--	EX	1	20 A	29	0	0			30	20 A	1	EX	--	EX LOAD		
EX LOAD	--	EX	1	20 A	31			600	0	32	20 A	1	EX	--	EX LOAD		
EX LOAD	--	EX	1	20 A	33	0	540			34	20 A	1	EX	RCPT	206 / 207 / 208 - RCPTS		
LEV CAB LTS	MTR RCPT	EX	1	20 A	35			200	120	36	15 A	1	EX	LTS, MTR	EF-9		
SPL-1	RCPT	EX	1	20 A	37	1860	35			38	15 A	1	EX	LTS, MTR	EF-2		
ADDITION LIGHTING	LTS		1	20 A	39			460	653	40	20 A	1		LTS	LIGHTING ROOM 119, 123, 12...		
LIGHTING BOARD ROOM	LTS		1	20 A	41	928	426			42	20 A	1		LTS	LIGHTING HALLWAY C 118		
LOAD CLASSIFICATION				CONNECTED LOAD				DEMAND FACTOR		ESTIMATED DEMAND				PANEL TOTALS			
EXISTING LOADS				20120 VA				100.00%		20120 VA				CONNECTED LOAD: 20120 VA			
ELECTRICAL PANEL				2620 VA				100.00%		2620 VA				EST. DEMAND LOAD: 30175 VA			
LIGHTING				2467 VA				125.00%		3084 VA							
MOTORS				3515 VA				123.90%		4355 VA							
OTHER				0 VA				0.00%		0 VA				CONNECTED CURRENT: 120 A			
KITCHEN				0 VA				0.00%		0 VA				EST. DEMAND CURRENT: 126 A			
BREAKER MODIFIER LEGEND:																	
(G) - GROUND FAULT CIRCUIT INTERRUPTER, (A) - ARC FAULT CIRCUIT INTERRUPTER, (L) - LOCK-OUT PROVISIONS, (S) - SHUNT-TRIP, (F) - FIRE ALARM CIRCUIT - PROVIDE LOCK-OUT DEVICE AND PERMANENT RED MARKING AND LABELING AS "FIRE ALARM CIRCUIT", (EX) - EXISTING BREAKER.																	
NOTES:																	
EC TO CONFIRM EXISTING SPARE CIRCUIT BREAKERS; EC TO USE EXISTING SPARE BREAKERS FOR NEW CIRCUITS BEFORE PURCHASING NEW BREAKERS.																	