DUNN & DALTON ARCHITECTS

EXHIBIT “C”

February 1, 2023

FOR:

Lenoir County Administration Building – Interior Renovation

RECEIPT OF THIS ADDENDUM MUST BE NOTED ON THE BID FORM

ADDENDUM NO. 2

TO ALL BIDDERS:

This Addendum supplements and amends the original Plans and Specifications and shall be taken into account in the preparing proposals and shall become part of the Contract Documents.

1. **The following Mechanical and Electrical drawings were revised as listed and have been attached to this addendum**.

   Sheet E0.2
   - Updated power riser diagram to match existing service.
   - Updated estimated AIC for panels.
   - Removed main disconnect mounted to exterior of building.
   - Increased minimum SCCR for Panel H1.
   - Included note on ‘MDP’ panel schedule to provide 100% SE rated main circuit breaker.
   - Updated panel schedule ‘L1’ for three new circuits for door power.

   Sheet E0.5
   - Provided new detail for locating existing utility transformer, utility meter, and cooling tower in relation to building.
   - Provided new typical detail for door access power.

   Sheet E1.1
   - Removed main disconnect and meter cabinet mounted to exterior of building.
   - Added power and card access for exit doors.
   - Added notes regarding power to exit doors.

   Sheet ED1.1
   - Added notes regarding demolition of electrical connection to existing mechanical equipment.

Sheet ED1.2
- Added notes regarding demolition of electrical connection to existing mechanical equipment.

Sheet ED1.3
- Added sheet for electrical roof demolition plan.

Sheet M1.1
- Removed demolition notes from sheet.

Sheet M1.2
- Removed demolition notes from sheet.

Sheet MD1.1
- Added sheet for mechanical first floor demolition plan to set.

Sheet MD1.2
- Added sheet for mechanical second floor demolition plan to set.

Sheet MD1.3
- Added sheet for mechanical roof demolition plan to set.

2. **The following RFI's were received and responded to as noted.**

   a. The plans call for rubber stair treads, but it is not in the specs. What type of treads to they want? Do they want the landing tiles to match the treads on all landings?

      RESPONSE: See attached revised specification sections 096513 Resilient Base and Accessories and 096519 Resilient Tile to include product requirements for stair accessories and landings. Landings are to receive rubber tile flooring to match the stairs as specified.

   b. In regards to the abatement on this, the report lists several buildings, none of which are called "administration building" does this existing building go by a different name that's referenced in the ACM report, or am I missing something? Also, is there a site visit for subs or pictures available on this?

      RESPONSE: The building is listed as "**Tax Office**" in the asbestos report.

      Additional tours for sub-contractor walk-throughs are scheduled for the following dates and times. Contact Anthony Howard, Lenoir County Maintenance Manager, at 252-560-0360.

      i. Thursday, February 16, 2023 from 2:00 – 4:00

Attachments:

Revised specification section 096513 Resilient Base and accessories
Revised specification section 096519 Resilient Tile Flooring
Revised drawings: E0.2, E0.5, E1.1, ED1.1, ED1.2, ED1.3, M1.1, M1.2, MD1.1, MD1.2, MD1.3

END OF ADDENDUM NO. 2

SECTION 096513 - RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Resilient base.
2. **Resilient stair accessories**
3. Resilient molding accessories

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples: For each type of product indicated, in manufacturer's standard-size Samples but not less than 12 inches (300 mm) long, of each resilient product color, texture, and pattern required.

1.3 QUALITY ASSURANCE

A. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.

1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

1.4 PROJECT CONDITIONS

A. Maintain ambient temperatures within range recommended by manufacturer in spaces to receive resilient products.

B. Until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer.

C. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 RESILIENT BASE **(R)**

A. Resilient Base:

1. Basis-of-Design Product: Subject to compliance with requirements, provide **product indicated on Drawings** or comparable product by one of the following:

    a. Flexco, Inc.
    b. Johnsonite.
    c. Roppe Corporation, USA.

B. Resilient Base Standard: ASTM F 1861.

1. Material Requirement: Type TP (rubber, thermoplastic)
2. Manufacturing Method: Group I (solid, homogeneous).
3. Style: Cove (base with toe).

C. Minimum Thickness: 0.125 inch (3.2 mm).

D. Height: 4 inches (102 mm).

E. Lengths: Cut lengths 48 inches (1219 mm) long or coils in manufacturer's standard length.

F. Outside Corners: Job formed or preformed.

G. Inside Corners: Job formed or preformed.

H. Finish: Smooth Matte.

I. Colors and Patterns: As indicated on Drawings.

2.2 RESILIENT STAIR ACCESSORIES

A. Resilient Stair Treads:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

    a. Flexco, Inc.
    b. Johnsonite.
    c. Roppe Corporation, USA.

B. Resilient Stair Treads Standard: ASTM F 2169.

1. Material Requirement: Type TP (rubber, thermoplastic)
2. Surface Design:
    a. Class 2, Pattern: Raised-disc design.

C. Nosing Style: Square.

D. Nosing Height: 2 inches (51 mm)

E. Thickness: 1/4 inch (6 mm) and tapered to back edge.

F. Size: Lengths and depths to fit each stair tread in **one piece**.

G. Risers: Smooth, flat, **coved-toe, 7 inches (178 mm) high by length matching treads**; produced by same manufacturer as treads and recommended by manufacturer for installation with treads.

1. Thickness: **0.125 inch**

H. Stringers: Of same thickness as risers, height and length after cutting to fit risers and treads and to cover stair stringers; produced by same manufacturer as treads and recommended by manufacturer for installation with treads.

I. Colors and Patterns: **As selected by Architect from full range of industry colors**.

2.3 RESILIENT MOLDING ACCESSORY

A. Resilient Molding Accessory:

1. Manufacturers: Subject to compliance with requirements, [**provide products by one of the following**] [**available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**]:

a. Flexco, Inc.
b. Johnsonite.
c. Roppe Corporation, USA.

B. Description: **Reducer strip for resilient floor covering**, **Joiner for tile and carpet, transition strips**.

C. Material: **Rubber**.

D. Colors and Patterns: **As selected by Architect from full range of industry colors**.

2.4 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.

B. Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.

1. Adhesives shall have a VOC content of 50 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
2. Adhesives shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

C. Stair-Tread-Nose Filler: Two-part epoxy compound recommended by resilient tread manufacturer to fill nosing substrates that do not conform to tread contours.

D. Metal Edge Strips: Extruded aluminum with mill finish of width shown, of height required to protect exposed edges of tiles, and in maximum available lengths to minimize running joints.

E. Floor Polish: Provide protective liquid floor polish products as recommended by resilient stair tread manufacturer.

PART 3 - EXECUTION

3.1 PREPARATION

A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.

B. Concrete Substrates for Resilient Stair Treads and Accessories: Prepare according to ASTM F 710.

1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
3. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer.
4. Moisture Testing: Perform tests recommended by manufacturer.

C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.

D. Do not install resilient products until they are same temperature as the space where they are to be installed.

1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.

E. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

3.2 RESILIENT BASE INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient base.

B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.

C. Install resilient base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.

D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.

E. Do not stretch resilient base during installation.

3.3 RESILIENT ACCESSORY INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient accessories.

B. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of carpet that would otherwise be exposed.

3.4 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning and protection of resilient products.

B. Floor Polish: Remove soil, visible adhesive, and surface blemishes from resilient stair treads before applying liquid floor polish.

C. Cover resilient products until Substantial Completion.

END OF SECTION 096513

SECTION 096519 - RESILIENT TILE FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Solid Vinyl Tile.
2. **Rubber Floor Tile**

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: For each type of floor tile. Include floor tile layouts, edges, columns, doorways, enclosing partitions, built-in furniture, cabinets, and cutouts.

C. Samples: Full-size units of each color and pattern of floor tile required.

1.3 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.4 QUALITY ASSURANCE

A. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.

1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

1.5 PROJECT CONDITIONS

A. Maintain ambient temperatures within range recommended by manufacturer in spaces to receive floor tile.

B. Until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer.

C. Close spaces to traffic during floor tile installation.

D. Close spaces to traffic for 48 hours after floor tile installation.

E. Install floor tile after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. FloorScore Compliance: Resilient tile flooring shall comply with requirements of FloorScore Standard.

B. Low-Emitting Materials: Flooring system shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

2.2 SOLID VINYL FLOOR TILE **(LVT)**

A. Manufacturers: Subject to compliance with requirements, provide **product indicated on Drawings** or comparable product by one of the following::

1. Shaw
2. Karndean
3. Mohawk Group
4. Mannington

B. Tile Standard: ASTM F 1700.

1. Class: Class III, printed film vinyl tile
2. Type: Type A, smooth surface, Type B, embossed surface

C. Wearlayer Thickness: 20 mil

D. Overall Thickness: 0.984 inches (2.5 mm)

E. Size: As indicated on drawings

F. Colors and Patterns: As indicated on drawings.

G. Installation: glue down

2.3 RUBBER FLOOR TILE

A. Products: Subject to compliance with requirements, **available products that may be incorporated into the Work include, but are not limited to, the following**:

1. Flexco; Flextones Rubber Tile
2. Johnsonite; Solid Color Rubber Tile
3. Roppe Corporation, USA; Rubber Tile.

B. Tile Standard: ASTM F 1344, **Class I-A, homogeneous rubber tile, solid color**

C. Hardness: **Manufacturer's standard hardness**.

D. Wearing Surface: **Molded pattern**.

1. Molded-Pattern Figure: **Raised discs**.

E. Thickness: **0.125 inch (3.2 mm)**.

F. Size: **24 by 24 inches (610 by 610 mm)**.

G. Colors and Patterns: **As selected by Architect from full range of industry colors**.

2.4 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.

B. Adhesives: Water-resistant type recommended by manufacturer to suit floor tile and substrate conditions indicated.

C. FloorScore Compliance: Resilient tile flooring shall comply with requirements of FloorScore Standard.

1. Adhesives shall comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):

2. Adhesives shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

PART 3 - EXECUTION

3.1 PREPARATION

A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.

B. Concrete Substrates: Prepare according to ASTM F 710.

1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
3. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.
4. Moisture Testing: Perform tests recommended by floor covering manufacturer. Proceed with installation only after substrates pass testing.

C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.

D. Do not install floor tiles until they are same temperature as space where they are to be installed.

1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.

E. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

3.2 FLOOR TILE INSTALLATION

A. Comply with manufacturer's written instructions for installing floor tile.

B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.

1. Lay tiles square with room axis.

C. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.

1. Lay tiles with grain direction alternating in adjacent tiles (basket-weave pattern).

D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.

E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.

F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent, nonstaining marking device.

G. Adhere floor tiles to flooring substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

3.3 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning and protection of floor tile.

B. Floor Polish: Remove soil, visible adhesive, and surface blemishes from floor tile surfaces before applying liquid floor polish.

1. Apply three coat(s).

C. Cover floor tile until Substantial Completion.

END OF SECTION 096519

Panel: MDP

Voltage: 480/277 Wye
Phases: 3
Wires: 4
Enclosure: TYPE 1
Min SCCR: 35K
Mounting: SURFACE
Feeder Rating: 380 A
Panel Rating: 400 A
Type: MCB

Remarks:
100% SE RATED MAIN CIRCUIT BREAKER.

BRKR	Notes	Circuit Description	CKT	A (VA)		B (VA)		C (VA)		CKT	Circuit Description	Notes	BRKR
175 A	3	PANEL 'L1' VIA XFMR 'T1'	1	28063	15270					2			
			3			24544	15270			4	DOAS-1		3 70 A
			5					29805	15270	6			
100 A	3	PANEL 'H1'	7	1633	14410					8			
			9			1759	14410			10	ELEVATOR		3 90 A
			11					1827	14410	12			
100 A	3	PANEL 'H2'	13	9374	0					14			
			15			9365	0			16	SPARE		3 100 A
			17					9465	0	18			
--	1	SPACE	19	--	--					20	SPACE		1 --
--	1	SPACE	21			--	--			22	SPACE		1 --
--	1	SPACE	23					--	--	24	SPACE		1 --
--	1	SPACE	25	--	--					26	SPACE		1 --
--	1	SPACE	27			--	--			28	SPACE		1 --
--	1	SPACE	29					--	--	30	SPACE		1 --
--	1	SPACE	31	--	--					32	SPACE		1 --
--	1	SPACE	33			--	--			34	SPACE		1 --
--	1	SPACE	35					--	--	36	SPACE		1 --
100 A	3	SPD	37	0	--					38	SPACE		1 --
			39			0	--			40	SPACE		1 --
			41					0	--	42	SPACE		1 --
				68725 VA		65319 VA		70754 VA					

	Lighting	HVAC	Motors	Receptacle	Refrig	Kitchen	Misc	PANEL TOTALS:
Connected Load	10311 VA	66891 VA	15231 VA	61620 VA			0 VA	
Demand Factor	125.00%	100.00%	100.00%	NEC				Total Conn. Load: 204798 VA
Demand Load	12889 VA	66891 VA	15231 VA	35810 VA			0 VA	Total Est. Demand: 172829 VA
								Total Conn. Current: 246 A
								Total Est. Demand... 208 A

Panel: H1

Voltage: 480/277 Wye
Phases: 3
Wires: 4
Enclosure: TYPE 1
Min SCCR: 35K
Mounting: SURFACE
Feeder Rating: 100 A
Panel Rating: 100 A
Type: MLO

Remarks:

BRKR	Notes	Circuit Description	CKT	A (VA)		B (VA)		C (VA)		CKT	Circuit Description	Notes	BRKR
20 A	1	LTG - TELLER 105, TAX DIR. 104	1	449	168					2	LTG - ELEVATOR SHAFT		1 20 A
20 A	1	LTG - TAX, WORK AREA 106	3			710	995			4	LTG - 1ST FL CORRIDOR		1 20 A
20 A	1	LTG - 1ST FL NE OFFICES	5					1632	195	6	LTG - STAIRS 101		1 20 A
20 A	1	LTG - REGISTRAR OF DEEDS 139	7	846	170					8	LTG - STAIRS 127		1 20 A
20 A	1	LTG - EXTERIOR	9			54	0			10	SPARE		1 20 A
20 A	1	SPARE	11					0	0	12	SPARE		1 20 A
20 A	1	SPARE	13	0	0					14	SPARE		1 20 A
20 A	1	SPARE	15			0	0			16	SPARE		1 20 A
20 A	1	SPARE	17					0	0	18	SPARE		1 20 A
20 A	1	SPARE	19	0	0					20	SPARE		1 20 A
20 A	1	SPARE	21			0	0			22	SPARE		1 20 A
20 A	1	SPARE	23					0	0	24	SPARE		1 20 A
20 A	1	SPARE	25	0	0					26	SPARE		1 20 A
20 A	1	SPARE	27			0	0			28	SPARE		1 20 A
20 A	1	SPARE	29					0	0	30	SPARE		1 20 A
20 A	1	SPARE	31	0	0					32	SPARE		1 20 A
20 A	1	SPARE	33			0	0			34	SPARE		1 20 A
20 A	1	SPARE	35					0	0	36	SPARE		1 20 A
20 A	1	SPARE	37	0	0					38	SPARE		1 20 A
20 A	1	SPARE	39			0	0			40	SPARE		1 20 A
20 A	1	SPARE	41					0	0	42	SPARE		1 20 A
				1633 VA		1759 VA		1827 VA					

	Lighting	HVAC	Motors	Receptacle	Refrig	Kitchen	Misc	PANEL TOTALS:
Connected Load	5219 VA						0 VA	
Demand Factor	125.00%			NEC				Total Conn. Load: 5219 VA
Demand Load	6524 VA						0 VA	Total Est. Demand: 6524 VA
								Total Conn. Current: 6 A
								Total Est. Demand... 8 A

Panel: L1

Voltage: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: TYPE 1
Min SCCR: 10K
Mounting: SURFACE
Feeder Rating: 400 A
Panel Rating: 400 A
Type: MCB

Remarks:

BRKR	Notes	Circuit Description	CKT	A (VA)		B (VA)		C (VA)		CKT	Circuit Description	Notes	BRKR
15 A	2	AHU-1-1, AHU-1-2, AHU-1-11	1	624	900					2	REC - OFFICE 121		1 20 A
			3			624	900			4	REC - OFFICE 122		1 20 A
15 A	2	AHU-1-3, AHU-1-4, AHU-1-5	5					129	900	6	REC - OFFICE 123		1 20 A
			7	129	360					8	REC - STOR/ELEC 124, SERVICE		1 20 A
15 A	2	AHU-1-6, AHU-1-9, AHU-1-10	9			312	360			10	REC - DATA 124.1		1 20 A
			11					312	360	12	REC - DATA 124.1		1 20 A
15 A	2	AHU-1-7, AHU-1-8	13	125	360					14	REC - DATA 128		1 20 A
			15			125	360			16	REC - DATA 128		1 20 A
20 A	1	REC - TAX DIRECTOR 104	17					900	180	18	REC - PRINT/SCAN 132		1 20 A
20 A	1	REC - TELLER 105	19	1440	180					20	REC - PRINT/SCAN 132		1 20 A
20 A	1	REC - TELLER 105	21			540	180			22	REC - PRINT/SCAN 132		1 20 A
20 A	1	REC - WORK AREA 106	23					1080	180	24	REC - PRINT/SCAN 132		1 20 A
20 A	1	REC - WORK AREA 106	25	720	180					26	REC - PRINT/SCAN 132		1 20 A
20 A	1	REC - WORK AREA 106 COPIER	27			180	180			28	REC - PRINT/SCAN 132		1 20 A
20 A	1	REC - TAX CLERK 107	29					900	180	30	REC - PRINT/SCAN 132		1 20 A
20 A	1	REC - TAX CLERK 108	31	900	900					32	REC - E.H. DIRECTOR 133		1 20 A
20 A	1	REC - TAX CLERK 109	33			900	720			34	REC - INSPECTORS 134		1 20 A
20 A	1	REC - TAX BUS. MAN 110	35					900	1080	36	REC - INSPECTORS 135		1 20 A
20 A	1	REC - TAX G.M. 111	37	1080	900					38	REC - E.H. TELLER 136		1 20 A
20 A	1	REC - WOMEN 115, MEN 116	39			360	900			40	REC - OFFICE 138		1 20 A
20 A	1	REC - CORR 118, 119, STOR. 114	41					1080	1080	42	REC - REG. OF DEEDS 139		1 20 A
20 A	1	REC - OFFICE 120	43	900	1440					44	REC - REG. OF DEEDS 139		1 20 A
20 A	1	REC - ELEVATOR PIT	45			180	1080			46	REC - ROD 139, TOILET 140		1 20 A
20 A	1 G	REC - EWC	47					180	180	48	REC - REG. OF DEEDS COPIER		1 20 A
20 A	1	BMS CONTROLS	49	0	1080					50	REC - DIRECTOR 141, ROD 139		1 20 A
20 A	1	BMS CONTROLS	51			0	2500			52			
20 A	1	REC - ABOVE CEILING	53					1800	2500	54	WH-1	2	30 A
20 A	2	SUMP PUMP, SP-1	55	50	100					56	HWRP1		1 20 A
20 A	1	EXTERIOR AUTO SLIDING DOOR 2	57			50	0			58	SPARE		1 20 A
20 A	1	EXTERIOR AUTO SLIDING DOOR 1	59					600	0	60	SPARE		1 20 A
20 A	1	EXIT DOOR PWR SUPPLY	61	600	0					62	SPARE		1 20 A
20 A	1	SPARE	63			600	0			64	SPARE		1 20 A
20 A	1	SPARE	65					0	0	66	SPARE		1 20 A
20 A	1	SPARE	67	0	0					68	SPARE		1 20 A
20 A	1	SPARE	69			0	0			70	SPARE		1 20 A
20 A	1	SPARE	71					0	0	72	SPARE		1 20 A
20 A	1	SPARE	73	0	0					74	SPARE		1 20 A
20 A	1	SPARE	75			0	0			76	SPARE		1 20 A
20 A	1	SPARE	77					0	0	78	SPARE		1 20 A
			79	15132	0					80	SPARE		1 20 A
175 A	3	PANEL 'L2'	81			13531	0			82	SPARE		1 20 A
			83					15323	0	84	SPARE		1 20 A
				28063 VA		24544 VA		29805 VA					

	Lighting	HVAC	Motors	Receptacle	Refrig	Kitchen	Misc	PANEL TOTALS:
Connected Load	0 VA	11982 VA	1972 VA	61620 VA			0 VA	
Demand Factor	Not...	100.00%	100.00%	NEC				Total Conn. Load: 82411 VA
Demand Load	0 VA	11982 VA	1972 VA	35810 VA			0 VA	Total Est. Demand: 56560 VA
								Total Conn. Current: 229 A
								Total Est. Demand... 157 A

Panel: L2

Voltage: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: TYPE 1
Min SCCR: 10K
Mounting: SURFACE
Feeder Rating: 175 A
Panel Rating: 225 A
Type: MLO

Remarks:

BRKR	Notes	Circuit Description	CKT	A (VA)		B (VA)		C (VA)		CKT	Circuit Description	Notes	BRKR
15 A	2	AHU-2-1, AHU-2-2	1	208	1080					2	REC - MEETING 212, STORAGE 213		1 20 A
			3			208	1260			4	REC - PLANNING 214, OFFICE 215		1 20 A
15 A	2	AHU-2-3, AHU-2-4	5					250	900	6	REC - OFFICE 216		1 20 A
			7	250	900					8	REC - OFFICE 217		1 20 A
15 A	2	AHU-2-5, AHU-2-6	9			1092	720			10	REC - OFFICE 218		1 20 A
			11					1092	540	12	REC - WOMEN 219, MEN 220		1 20 A
15 A	2	AHU-2-7, AHU-2-8	13	375	720					14	REC - JANITOR 222, MAIL 224		1 20 A
			15			375	180			16	REC - CORRIDOR 223		1 20 A
15 A	2	AHU-2-9, AHU-2-10, AHU-2-11	17					499	180	18	REC - ELEV EQUIP 237		1 20 A
			19	499	540					20	REC - LOUNGE 238	G	1 20 A
15 A	2	AHU-2-12, AHU-2-13, AHU-2-14	21			188	360			22	REC - LOUNGE 238		1 20 A
			23					188	180	24	REC - ELEC 236		1 20 A
15 A	2	AHU-2-15, AHU-2-16	25	125	1260					26	REC - COMMISSONERS 225		1 20 A
			27			125	1440			28	REC - COMMISSONERS 225 - FLOOR		1 20 A
20 A	1	REC - FINANCE 202	29					1440	1080	30	REC - COMMISSONERS 225 - FLOOR		1 20 A
20 A	1	REC - OFFICE 203	31	720	1800					32	REC - COMMISSONERS 225		1 20 A
20 A	1	REC - OFFICE 203, STORAGE 204	33			540	540			34	REC - COMMISSONERS 225		1 20 A
20 A	1	REC - DIRECTOR 205	35					1080	540	36	REC - ADMIN 226, CLERK 233		1 20 A
20 A	1	REC - STORAGE 206, OFFICE 237	37	1080	900					38	REC - SMALL CONFERENCE 227		1 20 A
20 A	1	REC - CONFERENCE 207	39			1080	900			40	REC - SMALL CONFERENCE 227		1 20 A
20 A	1	REC - CONFERENCE 207	41					1440	1440	42	REC - BUDGET 228, MANAGER 230		1 20 A
20 A	1	REC - HR 209, OFFICE 210	43	1440	720					44	REC - ASST. MANAGER 231		1 20 A
20 A	1	REC - OFFICE 211	45			900	1200			46	REC - VENDING	G	1 20 A
20 A	1	REC - STORAGE 213, PLAN 214	47					720	1200	48	REC - VENDING	G	1 20 A
20 A	1	REC - PLANNING 214	49	540	500					50	ELEVATOR CAB LTG/CONTROL	LO	1 20 A
20 A	1	REC - ADMIN 226, TOILET 229	51			720	1260			52	REC - ABOVE CEILING		1 20 A
20 A	1	REC - JANITOR 222, TOILET 221	53					540	1440	54	REC - ABOVE CEILING		1 20 A
20 A	1	REC - MAIL/POSTAGE 224...	55	360	540					56	REC - ROOF		1 20 A
20 A	1	REC - LOUNGE 238	57			360	753			58	CU-1	2	20 A
20 A	1	BMS CONTROLS	59					500	753	60			
20 A	1	BMS CONTROLS	61	500	753					62	CU-2	2	20 A
20 A	1	SPARE	63			0	753			64			
20 A	1	SPARE	65					0	753	66	CU-2	2	20 A
20 A	1	SPARE	67	0	753					68			
20 A	1	SPARE	69			0	0			70	SPARE		1 20 A
20 A	1	SPARE	71					0	0	72	SPARE		1 20 A
20 A	1	SPARE	73	0	0					74	SPARE		1 20 A
20 A	1	SPARE	75			0	0			76	SPARE		1 20 A
20 A	1	SPARE	77					0	0	78	SPARE		1 20 A
20 A	1	SPARE	79	0	0					80	SPARE		1 20 A
20 A	1	SPARE	81			0	0			82	SPARE		1 20 A
20 A	1	SPARE	83					0	0	84	SPARE		1 20 A
				15132 VA		13531 VA		15323 VA					

	Lighting	HVAC	Motors	Receptacle	Refrig	Kitchen	Misc	PANEL TOTALS:
Connected Load		5777 VA	1872 VA	32460 VA			0 VA	
Demand Factor		100.00%	100.00%	NEC				Total Conn. Load: 43985 VA
Demand Load		5777 VA	1872 VA	21230 VA			0 VA	Total Est. Demand: 32735 VA
								Total Conn. Current: 122 A
								Total Est. Demand... 91 A

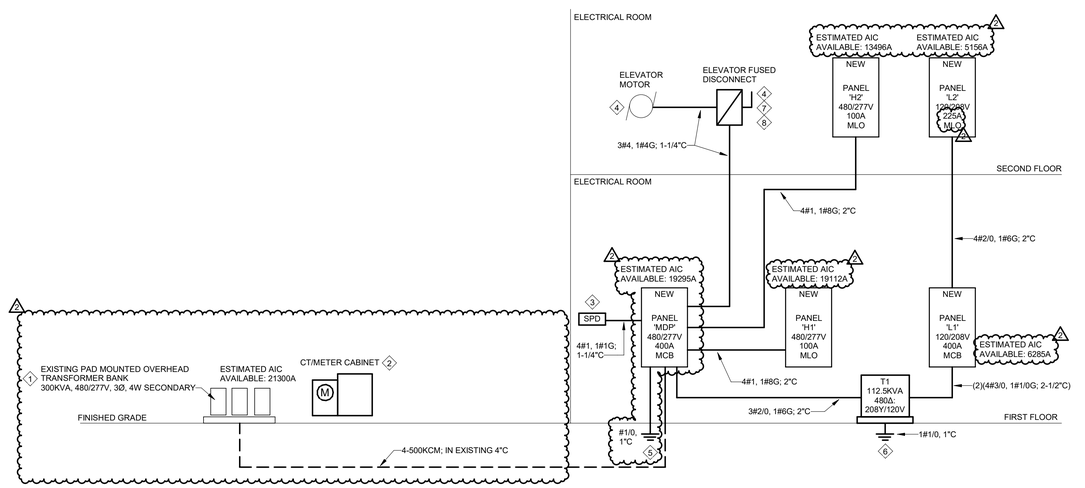
Panel: H2

Voltage: 480/277 Wye
Phases: 3
Wires: 4
Enclosure: TYPE 1
Min SCCR: 18K
Mounting: SURFACE
Feeder Rating: 100 A
Panel Rating: 100 A
Type: MLO

Remarks:

BRKR	Notes	Circuit Description	CKT	A (VA)		B (VA)		C (VA)		CKT	Circuit Description	Notes	BRKR
20 A	1	LTG - RM 200 THRU 207	1	874	36					2	LTG - ROOF		1 20 A
20 A	1	LTG - RM 219 THUR 224, 236, 238	3			712	949			4	LTG - RM 226 THRU RM 233		1 20 A
20 A	1	LTG - RM 208 THRU 218	5					1211	550	6	LTG - 2ND FLOOR CORRIDOR		1 20 A
20 A	1	LTG - COMMISSIONERS 225	7	700	60					8	LTG - ELEVATOR EQUIP 237		1 20 A
20 A	3	HP-1-1	9			2660	5044			10			
			11					2660	5044	12	HP-2-1		3 30 A
			13	2660	5044					14			
20 A	1	SPARE	15			0	0			16	SPARE		1 20 A
20 A	1	SPARE	17					0	0	18	SPARE		1 20 A
20 A	1	SPARE	19	0	0					20	SPARE		1 20 A
20 A	1	SPARE	21			0	0			22	SPARE		1 20 A
20 A	1	SPARE	23					0	0	24	SPARE		1 20 A
20 A	1	SPARE	25	0	0					26	SPARE		1 20 A
20 A	1	SPARE	27			0	0			28	SPARE		1 20 A
20 A	1	SPARE	29					0	0	30	SPARE		1 20 A
20 A	1	SPARE	31	0	0					32	SPARE		1 20 A
20 A	1	SPARE	33			0	0			34	SPARE		1 20 A
20 A	1	SPARE	35					0	0	36	SPARE		1 20 A
20 A	1	SPARE	37	0	0					38	SPARE		1 20 A
20 A	1	SPARE	39			0	0			40	SPARE		1 20 A
20 A	1	SPARE	41					0	0	42	SPARE		1 20 A
				9374 VA		9365 VA		9465 VA					

	Lighting	HVAC	Motors	Receptacle	Refrig	Kitchen	Misc	PANEL TOTALS:
Connected Load	5092 VA	7981 VA	15131 VA				0 VA	
Demand Factor	125.00%	100.00%	100.00%	NEC				Total Conn. Load: 28204 VA
Demand Load	6365 VA	7981 VA	15131 VA				0 VA	Total Est. Demand: 29477 VA
								Total Conn. Current: 34 A
								Total Est. Demand... 35 A



1 PROPOSED POWER RISER DIAGRAM
E0.2 NOT TO SCALE

PANEL NOTES:

A	-	AFCI BREAKER
G	-	GFI CIRCUIT BREAKER
IG	-	ISOLATED GROUND CIRCUIT
C#	-	ROUTE CIRCUIT HOMERUN VIA CONTACTOR INDICATED
LF	-	PROVIDE PAD-LOCK ATTACHMENT FOR MAINTENANCE LOCK-OUT OF CIRCUIT BREAKER
LO	-	PROVIDE LOCK-ON DEVICE FOR CIRCUIT BREAKER
P	-	PRE-WIRED INTERNAL CIRCUIT BY SWITCHGEAR MANUFACTURER
ST	-	SHUNT TRIP CIRCUIT BREAKER
SUB	-	SUB-FEED CIRCUIT BREAKER
E	-	EXISTING BREAKER AND CIRCUIT IN EXISTING PANEL TO REMAIN
N	-	NEW BREAKER INSTALLED IN EXISTING PANEL
R	-	REUSE EXISTING BREAKER IN EXISTING PANEL WITH NEW LOAD

GENERAL NOTES:

A. ALL ELECTRICAL EQUIPMENT AND WIRING IS NEW U.N.O.

RISER NOTES:

1. COORDINATE REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE WITH LOCAL UTILITY COMPANY PRIOR TO WORK.
2. PROVIDE METERING EQUIPMENT AND CONNECTIONS PER LOCAL UTILITY COMPANY REQUIREMENTS.
3. NIPPLE SPD DIRECTLY TO PANEL AND ROUTE WIRING AS SHORT AS POSSIBLE.
4. ELEVATOR ELECTRICAL REQUIREMENTS ARE NOT FINALIZED. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR SUPPLIER AND PROVIDE FUSES PER ACTUAL ELEVATOR NAMEPLATE REQUIREMENTS.
5. PROVIDE GROUNDING ELECTRODE SYSTEM PER NEC 250.50, REFER TO DETAIL ON SHEET E0.5. SERVICE NEUTRAL SHALL BE GROUNDED AT ONE LOCATION ONLY.
6. GROUND TRANSFORMER TO SERVICE GROUNDING ELECTRODE SYSTEM PER NOTE 5.
7. PROVIDE ALL SHUNT TRIP AND FIRE ALARM CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
8. PROVIDE ALL CONNECTIONS FOR ELEVATOR EQUIPMENT INTERFACE AS DIRECTED BY ELEVATOR CONTRACTOR.

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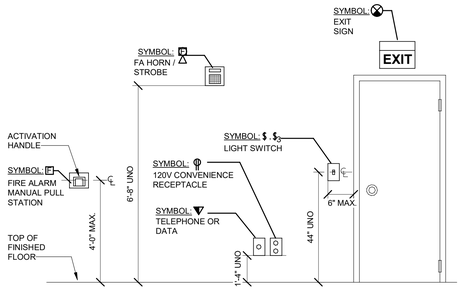
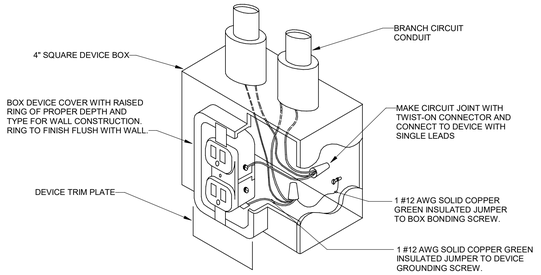
DRAWING NAME
ELECTRICAL PANELBOARD SCHEDULE AND RISER DIAGRAM

DRAWING NO.
E0.2

Drawn By: RHV Checked By: KCW



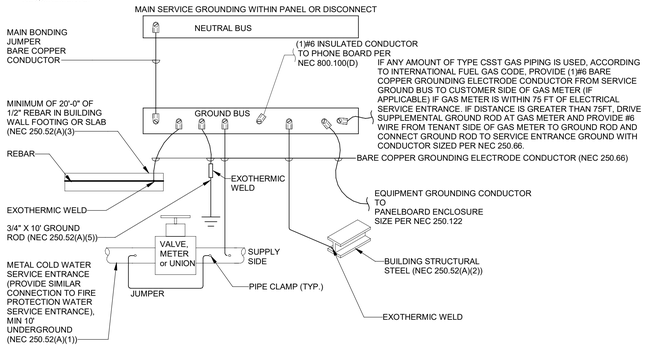
1 E0.5 TYPICAL DEVICE MOUNTING HEIGHTS
NOT TO SCALE



2 E0.5 RECEPTACLE GROUNDING DETAIL
NOT TO SCALE

GROUNDING NOTES:

1. ALL GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
2. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL GROUNDING REQUIREMENTS.



3 E0.5 SERVICE GROUNDING DETAIL
NOT TO SCALE

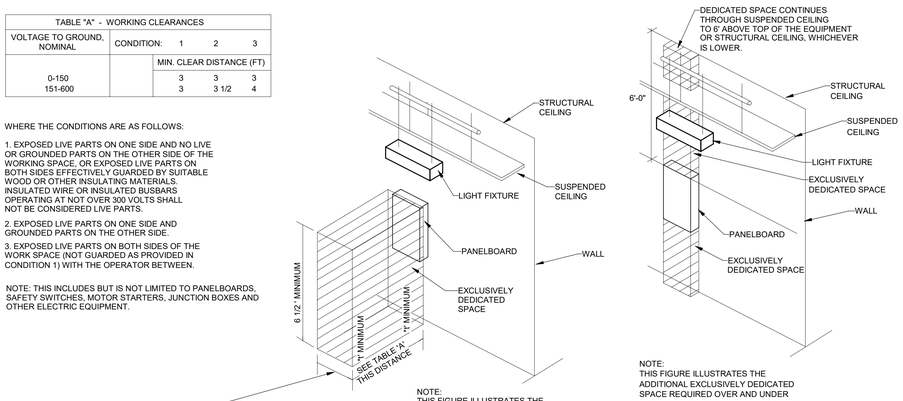
4 E0.5 EXISTING SITE PLAN
NOT TO SCALE

TABLE "A" - WORKING CLEARANCES				
VOLTAGE TO GROUND, NOMINAL	CONDITION:	1	2	3
		MIN. CLEAR DISTANCE (FT)		
0-150		3	3	3
151-600		3	3 1/2	4

WHERE THE CONDITIONS ARE AS FOLLOWS:

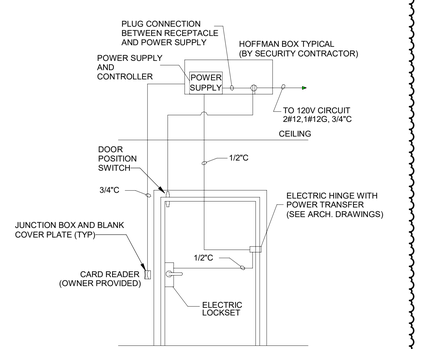
1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300 VOLTS SHALL NOT BE CONSIDERED LIVE PARTS.
2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.
3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

NOTE: THIS INCLUDES BUT IS NOT LIMITED TO PANELBOARDS, SAFETY SWITCHES, MOTOR STARTERS, JUNCTION BOXES AND OTHER ELECTRIC EQUIPMENT.



NOTE: NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THROUGH THE DEDICATED SPACES SHOWN ABOVE.

5 E0.5 DEDICATED WORKING SPACE REQUIREMENTS FOR ELECTRICAL EQUIPMENT
NOT TO SCALE



(SEE ARCHITECTURAL DRAWINGS FOR ALL APPLICABLE DOORS. MODIFY PER DOOR MANUFACTURER AND INSTALLER.)

6 E0.5 TYPICAL DOOR DETAIL WITH CARD READER
NOT TO SCALE

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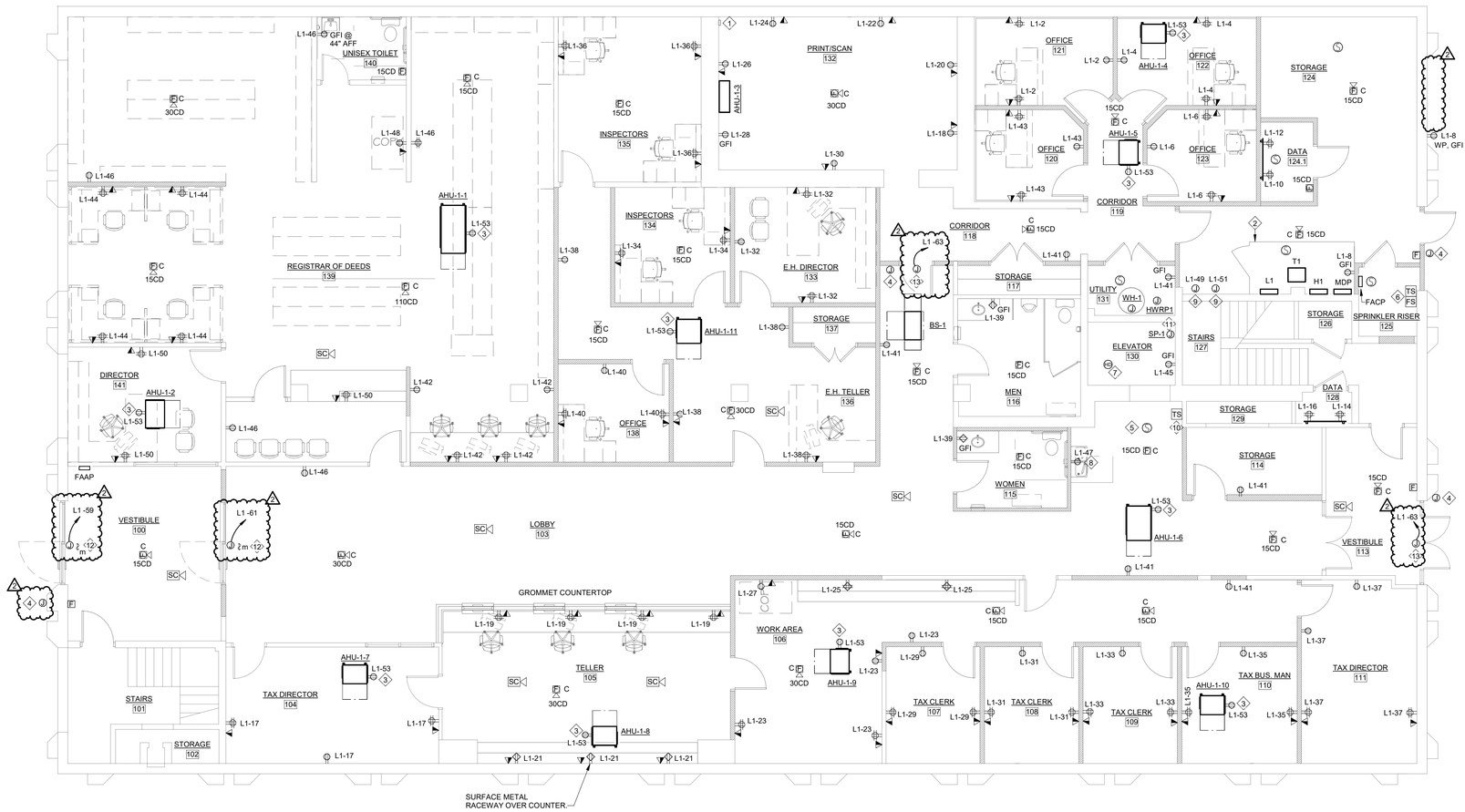
DRAWING NAME
ELECTRICAL DETAILS

DRAWING NO.
E0.5

Drawn By: RHV Checked By: KCW



1 E1.1 FIRST FLOOR POWER AND FIRE ALARM PLAN

3/16" = 1'-0"

0 4' 8' 12' 16'

GENERAL NOTES:

A. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E0.4 FOR MORE INFORMATION.

B. CONTRACTOR SHALL COORDINATE QUANTITY AND FINAL LOCATION OF ALL TVs WITH OWNER PRIOR TO CONSTRUCTION.

C. PROVIDE WORKING CLEARANCE AT ALL ELECTRICAL PANELS PER NEC.

D. COORDINATE WITH LOW-VOLTAGE VENDOR FOR EXACT LOCATIONS AND REQUIREMENTS REGARDING ALL SECURITY, IT, AND OTHER LOW-VOLTAGE ITEMS.

PLAN NOTES: (#)

1. ROUTE SURFACE METAL RACEWAY DOWN WALL TO 18" AFF AND THEN HORIZONTALLY TO FEED NEW RECEPTACLES AND DATA OUTLETS ON EXISTING WALLS.
2. PROVIDE AND INSTALL NEW CHAINLINK FENCE TO SEPARATE ELECTRICAL EQUIPMENT FROM STORAGE AREA.
3. PROVIDE AND INSTALL NEW 5-20R GFI RECEPTACLE. MOUNT RECEPTACLE BY MECHANICAL EQUIPMENT ABOVE CEILING.
4. JBOX FOR BADGE ACCESS. COORDINATE DOOR ACCESS ROUGH-IN REQUIREMENTS WITH OWNER/ARCHITECT.
5. INTERLOCK SMOKE DETECTOR WITH ELEVATOR EQUIPMENT FOR ELEVATOR RECALL.
6. COORDINATE INSTALLATION OF FLOW AND TAMPER SWITCH WITH FIRE PROTECTION CONTRACTOR.
7. PROVIDE HEAT DETECTOR ONLY IF THERE IS A SPRINKLER HEAD HIGHER THAN 2 FEET ABOVE THE PIT FLOOR AND CONNECT FOR ELEVATOR SHUTDOWN AS REQUIRED.
8. FED FROM GFI BREAKER.
9. POWER FOR BMS CONTROLS. COORDINATE LOCATION & REQUIREMENTS WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
10. TAMPER SWITCH FOR ELEVATOR SPRINKLER SYSTEM. COORDINATE WITH FIRE PROTECTION CONTRACTOR.
11. COORDINATE LOCATION OF SUMP PUMP CONNECTION WITH ELEVATOR CONTRACTOR.
12. POWER TO NEW AUTOMATIC SLIDING DOORS. COORDINATE REQUIREMENTS WITH OWNER/ARCHITECT.
13. POWER TO EXIT DOOR POWER SUPPLY. COORDINATE REQUIREMENTS WITH OWNER/ARCHITECT. SEE DETAILS.

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DRAWING NAME
ELECTRICAL FIRST FLOOR POWER PLAN

DRAWING NO.
E1.1

Drawn By: RHV Checked By: KCW

DEMOLITION NOTES:

A. REMOVE ALL EXISTING POWER AND DATA MOUNTED ON WALLS TO BE DEMO'D UNDER THIS CONTRACT. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT.

B. REMOVE ALL EXISTING FIRE ALARM DEVICES. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT.

C. REMOVE ALL EXISTING LIGHT FIXTURES AND LIGHT SWITCHES MOUNTED ON WALLS AND CEILINGS TO BE DEMO'D UNDER THIS CONTRACT. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT.

D. REMOVE ALL EXISTING POWER AND DATA MOUNTED ON WALLS TO REMAIN UNDER THIS CONTRACT. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT. PROVIDE AND INSTALL BLANK COVER PLATE.

E. REMOVE ALL EXISTING LIGHT FIXTURES MOUNTED ON CEILINGS AND WALLS TO REMAIN UNDER THIS CONTRACT. PATCH AND PAINT IF WALL OR CEILING LOCATION IS NOT REUSED FOR NEW LIGHT FIXTURE.

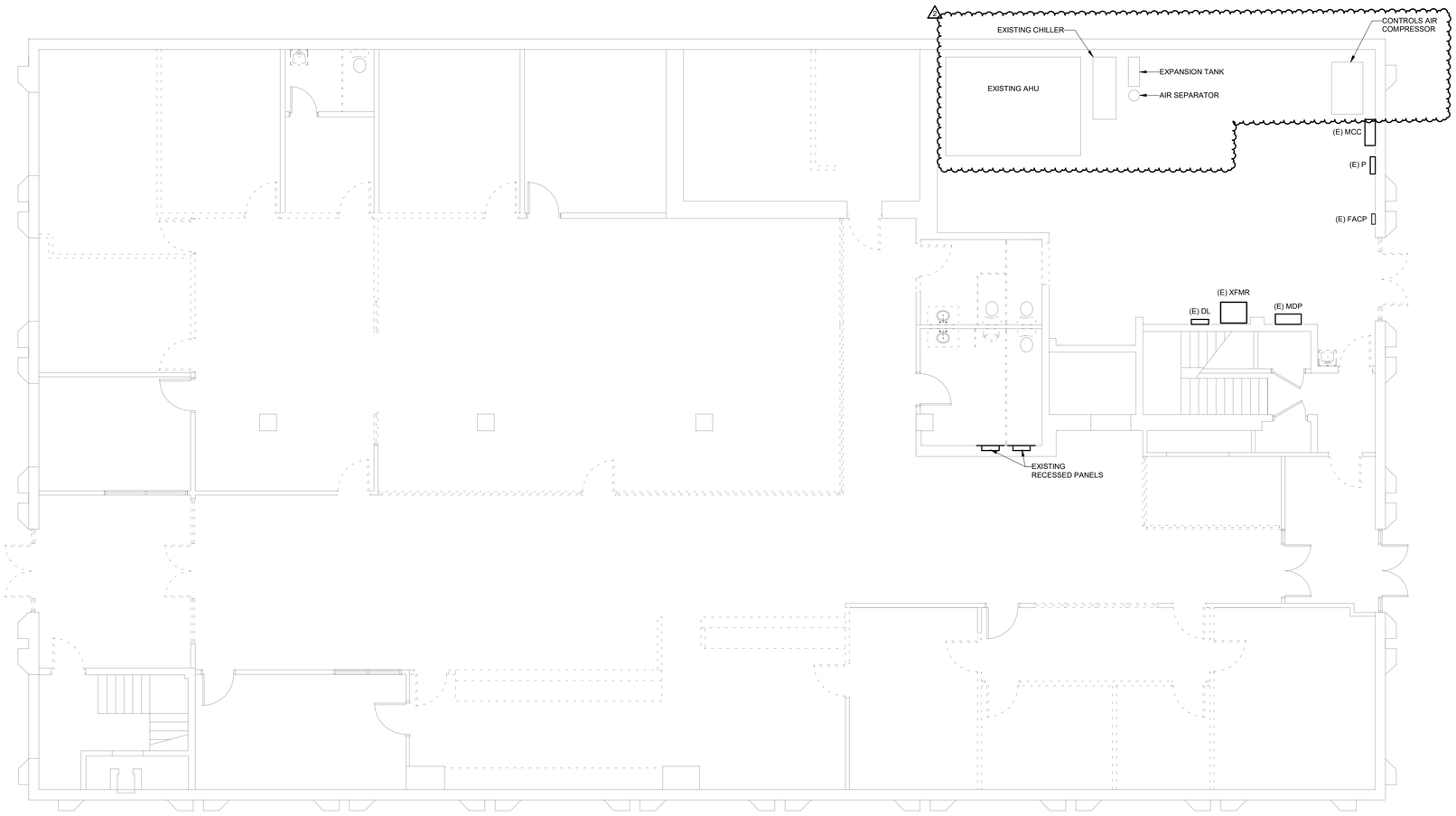
F. REMOVE ALL EXISTING LIGHT SWITCHES MOUNTED ON WALLS TO REMAIN UNDER THIS CONTRACT. PROVIDE BLANK COVER PLATE FOR LIGHT SWITCHES NOT REPLACED ON NEW WORK PLANS.

G. REMOVE ALL EXISTING PANELBOARDS AND SWITCHGEAR. WHERE EXISTING RECESSED PANELBOARD IS REMOVED FROM EXISTING WALL TO REMAIN, PROVIDE AND INSTALL NEW 12 GAUGE COVER PLATE. PAINT TO MATCH SURROUNDING.

2

H. REMOVE ALL CONNECTIONS TO EXISTING MECHANICAL EQUIPMENT. REMOVE ALL ACCESSIBLE CONDUIT AND ASSOCIATED WIRING.

I. FAILURE OF THE CONTRACTOR TO VISIT THE SITE AND INVESTIGATE DEMOLITION SCOPE SHALL NOT RESULT IN A CHANGE ORDER TO THE OWNER FOR ALL OBSERVABLE CONDITIONS.



1 ED1.1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN

3/16" = 1'-0"

0 4' 8' 12' 16'

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DRAWING NAME

ELECTRICAL FIRST FLOOR DEMOLITION PLAN

DRAWING NO.

ED1.1

Drawn By: RHV Checked By: KCW

DEMOLITION NOTES:

A. REMOVE ALL EXISTING POWER AND DATA MOUNTED ON WALLS TO BE DEMO'D UNDER THIS CONTRACT. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT.

B. REMOVE ALL EXISTING FIRE ALARM DEVICES MOUNTED ON WALLS AND CEILINGS TO BE DEMO'D UNDER THIS CONTRACT. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT.

C. REMOVE ALL EXISTING LIGHT FIXTURES AND LIGHT SWITCHES MOUNTED ON WALLS AND CEILINGS TO BE DEMO'D UNDER THIS CONTRACT. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT.

D. REMOVE ALL EXISTING POWER AND DATA MOUNTED ON WALLS TO REMAIN UNDER THIS CONTRACT. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT. PROVIDE AND INSTALL BLANK COVER PLATE.

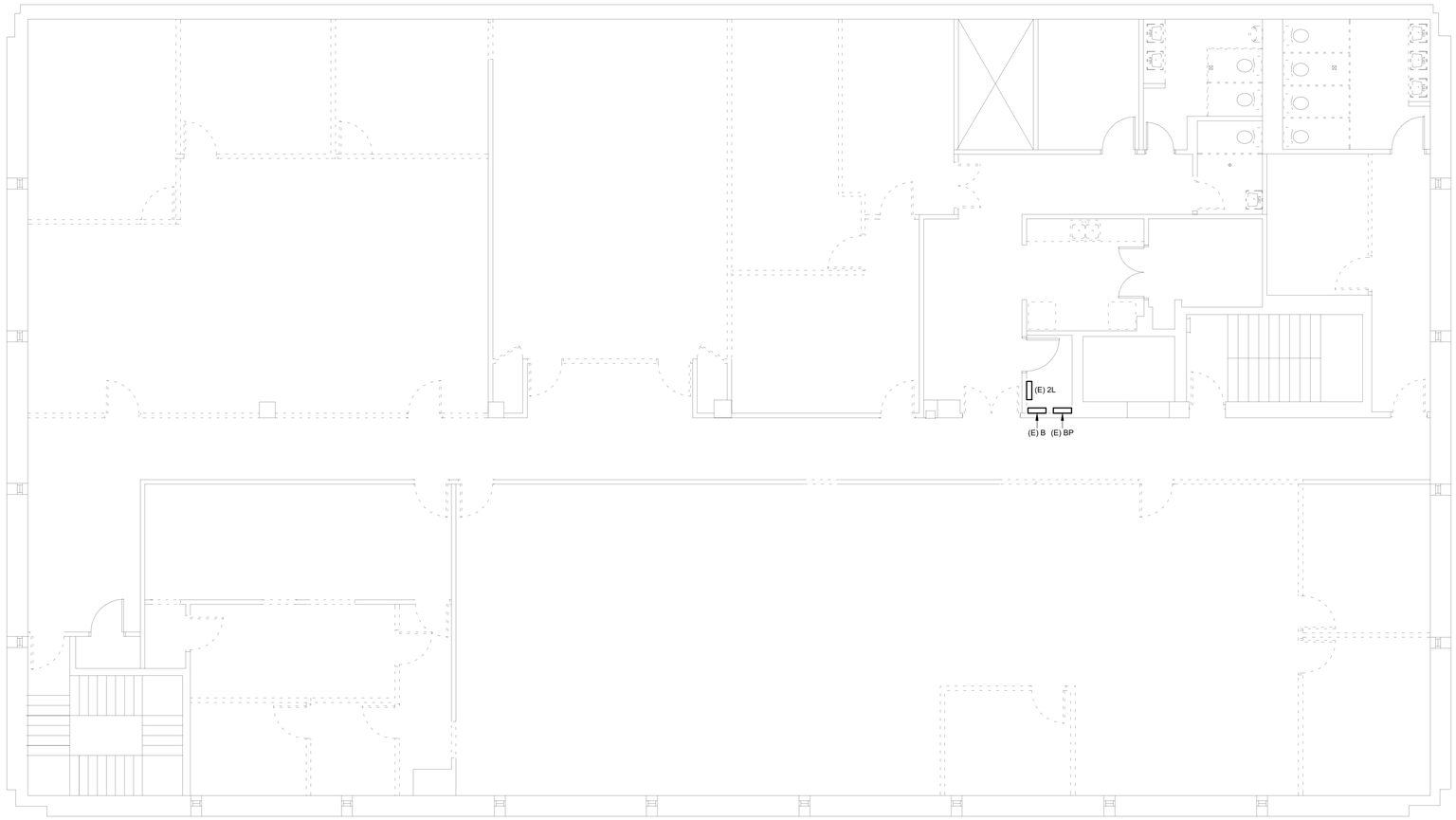
E. REMOVE ALL EXISTING LIGHT FIXTURES MOUNTED ON CEILINGS AND WALLS TO REMAIN UNDER THIS CONTRACT. PATCH AND PAINT IF WALL OR CEILING LOCATION IS NOT REUSED FOR NEW LIGHT FIXTURE.

F. REMOVE ALL EXISTING LIGHT SWITCHES MOUNTED ON WALLS TO REMAIN UNDER THIS CONTRACT. PROVIDE BLANK COVER PLATE FOR LIGHT SWITCHES NOT REPLACED ON NEW WORK PLANS.

G. REMOVE ALL EXISTING PANELBOARDS AND SWITCHGEAR. WHERE EXISTING RECESSED PANELBOARD IS REMOVED FROM EXISTING WALL TO REMAIN, PROVIDE AND INSTALL NEW 12 GAUGE COVER PLATE. PAINT TO MATCH SURROUNDING.

H. REMOVE ALL CONNECTIONS TO EXISTING MECHANICAL EQUIPMENT. REMOVE ALL ACCESSIBLE CONDUIT AND ASSOCIATED WIRING.

I. FAILURE OF THE CONTRACTOR TO VISIT THE SITE AND INVESTIGATE DEMOLITION SCOPE SHALL NOT RESULT IN A CHANGE ORDER TO THE OWNER FOR ALL OBSERVABLE CONDITIONS.



1 ED1.2 SECOND FLOOR ELECTRICAL DEMOLITION PLAN
3/16" = 1'-0"
0 4' 8' 12' 16'

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DRAWING NAME
ELECTRICAL SECOND FLOOR DEMOLITION PLAN

DRAWING NO.
ED1.2

Drawn By: RHV Checked By: KCW

DEMOLITION NOTES:

A. REMOVE ALL EXISTING POWER DEVICES. REMOVE ALL WIRING AND ACCESSIBLE CONDUIT.

B. REMOVE ALL CONNECTIONS TO EXISTING MECHANICAL EQUIPMENT. REMOVE ALL ACCESSIBLE CONDUIT AND ASSOCIATED WIRING.

C. FAILURE OF THE CONTRACTOR TO VISIT THE SITE AND INVESTIGATE DEMOLITION SCOPE SHALL NOT RESULT IN A CHANGE ORDER TO THE OWNER FOR ALL OBSERVABLE CONDITIONS.

1 ED1.3 ROOF ELECTRICAL DEMOLITION PLAN

3/16" = 1'-0"

0 4' 8' 12' 16'

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2	1/27/23	ADDENDUM #2

DRAWING NAME

ELECTRICAL ROOF DEMOLITION PLAN

DRAWING NO. 2 ED1.3

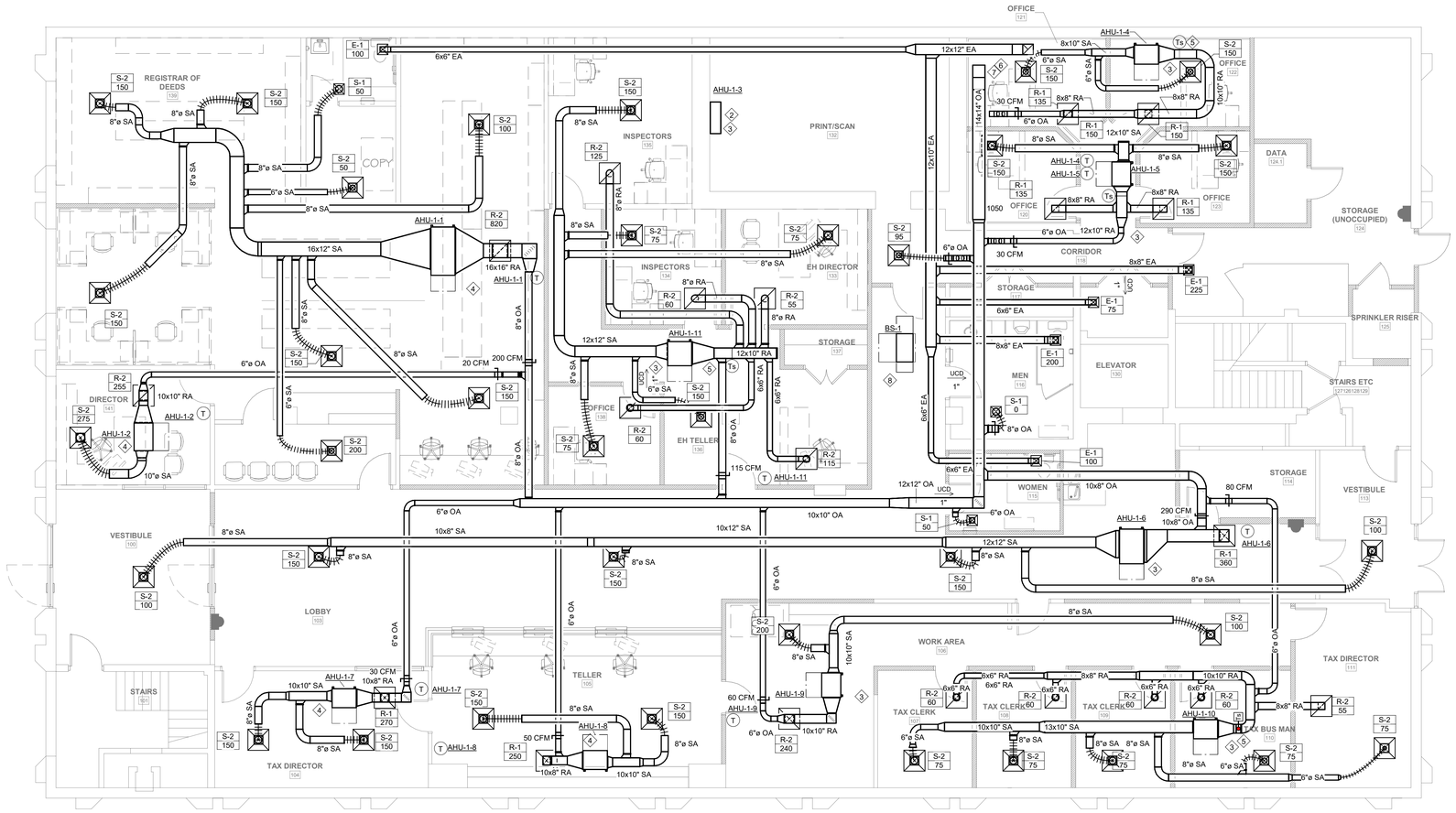
Drawn By: RHV Checked By: KCW

MECHANICAL GENERAL NOTES:

1. MOUNT ALL THERMOSTATS AT 48" A.F.F. COORDINATE EXACT LOCATION WITH E.C.
2. MAINTAIN ALL MANUFACTURER RECCOMENDED CLEARANCES FOR EQUIPMENT. COORDINATE WITH EXISTING CONDITIONS AND OTHER TRADES.
3. PROVIDE ONE 90° MINIMUM TURN IN ALL RETURNS TO REDUCE FAN NOISE.
4. MOUNT VRF AIR HANDLER UNITS TO STRUCTURE PER MANUFACURER RECOMENDATIONS. PROVIDE EACH UNIT WITH VIBRATION ISOLATION.
5. COORDINATE ALL DUCTWORK WITH OTHER TRADES AND EXISTING BUILDING STRUCTURE.
6. MECHANICAL CONTRACTOR SHALL COORDINATE ALL CONDENSATE CONNECTIONS AND REQUIRED TRADE WORK FOR DRAIN LINES WITH PLUMBING CONTRACTOR.
7. CLEARLY LABEL ROOM NUMBERS ON ALL THERMOSTATS AND PROVIDE COUNTY ADMINISTRATOR AND BUILDING MAINTENANCE WITH LAMINATED THERMOSTAT ZONING DIAGRAM.

MECHANICAL KEY NOTES: (#)

1. EXISTING SAFE TO BE REPURPOSED, COORDINATE REFRIGERANT AND CONDENSATE ROUTING WITH G.C. PRIOR TO CONSTRUCTION.
2. MOUNT UNIT 12" BELEW CEILING HEIGHT.
3. ROUTE FULL SIZE CONDENSATE TO MOP SINK IN UTILITY 131.
4. ROUTE FULL SIZE CONDENSATE TO HUB DRAIN ABOVE UNISEX TOILET 140
5. PROVIDE DUCT MOUNTED TEMPERATURE SENSOR IN RETURN AIR DUCT.
6. 12X12 EA UP TO SECOND FLOOR.
7. 14X14 OA UP TO SECOND FLOOR.
8. BRANCH SELECTOR BOX IN THIS LOCAITON ROUTE REFRIGERANT PER MANUFACTURER RECOMMENDATIONS.



1 M1.1 FIRST FLOOR MECHANICAL PLAN
3/16" = 1'-0"
0 4' 8' 12' 16'

SEALS

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corp@devitainc.com
DeVita & Associates, Inc. Project : 22175-01
NC Firm License No. C-0819

PROJECT NUMBER: 22175-01
CONSULTANT

PROJECT INFORMATION:

LENOIR COUNTY ADMINISTRATION OFFICE RENOVATION

101 N. QUEEN ST
KINSTON, NC 28502
LENOIR COUNTY

ISSUE FOR PERMIT
12/16/2022

REVISIONS

NO.	DATE	DESCRIPTION
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DRAWING NAME
MECHANICAL FIRST FLOOR PLAN

DRAWING NO.
M1.1

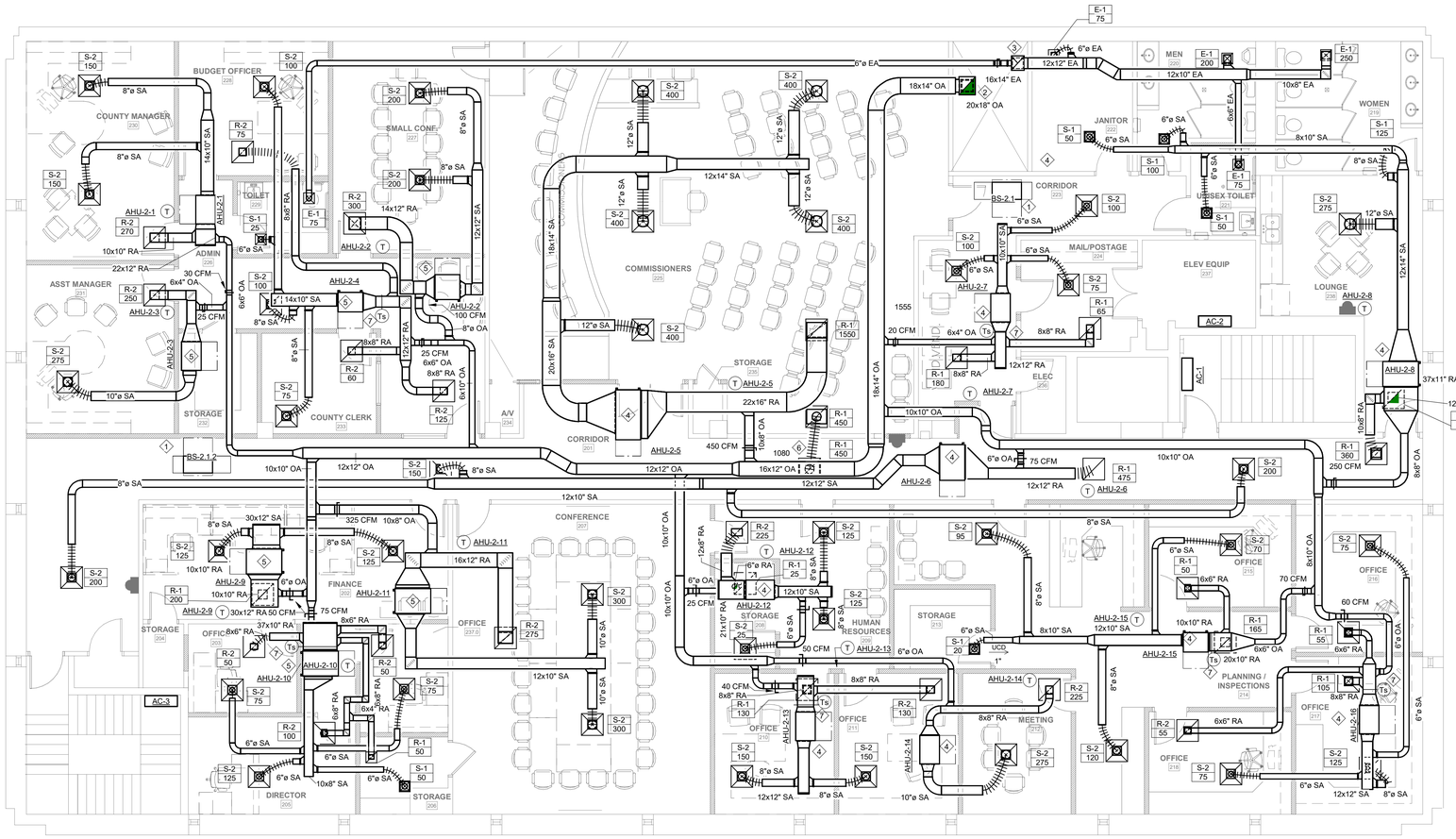
Drawn By: DAI Checked By: DAI

MECHANICAL GENERAL NOTES:

1. MOUNT ALL THERMOSTATS AT 48" A.F.F. COORDINATE EXACT LOCATION WITH E.C.
2. MAINTAIN ALL MANUFACTURER RECCOMENDED CLEARANCES FOR EQUIPMENT. COORDINATE WITH EXISTING CONDITIONS AND OTHER TRADES.
3. PROVIDE ONE 90° MINIMUM TURN IN ALL RETURNS TO REDUCE FAN NOISE.
4. MOUNT VRF AIR HANDLER UNITS TO STRUCTURE PER MANUFACURER RECOMENDATIONS. PROVIDE EACH UNIT WITH VIBRATION ISOLATION.
5. COORDINATE ALL DUCTWORK WITH OTHER TRADES AND EXISTING BUILDING STRUCTURE.
6. MECHANICAL CONTRACTOR SHALL COORDINATE ALL CONDENSATE CONNECTIONS AND REQUIRED TRADE WORK FOR DRAIN LINES WITH PLUMBING CONTRACTOR.
7. CLEARLY LABEL ROOM NUMBERS ON ALL THERMOSTATS AND PROVIDE COUNTY ADMINISTRATOR AND BUILDING MAINTENANCE WITH LAMINATED THERMOSTAT ZONING DIAGRAM.

MECHANICAL KEY NOTES:

1. LOCATE 2F BRANCH SELECTOR BOX IN THIS AREA. ROUTE REFRIGERANT PIPING PER MANUFACTURER RECOMMENDATIONS.
2. 20X18 OUTSIDE AIR DUCT UP TO ROOF, THROUGH EXISTING FAN PENETRATION. FIELD VERIFY EXACT LOCATION. 14X14 DOWN TO FIRST FLOOR.
3. 16X14 EXHAUST AIR DUCT UP THROUGH EXISTING FAN PENETRATION FIELD VERIFY EXACT LOCATION. 12X12 DOWN TO FIRST FLOOR.
4. ROUTE FULL SIZE CONDENSATE TO MOP SINK IN JANITOR ROOM, PROVIDE CODE MINIMUM AIR GAP.
5. ROUTE FULL SIZE CONDENSATE DRAIN TO HUB DRAIN BY PC OVER TOILET 229
6. PROVIDE 10" FLEX DUCT FOR PRESSURE RELIEF AIR TRANSFER
7. PROVIDE DUCT MOUNTED TEMPERATURE SENSOR IN RETURN AIR DUCT.



1 SECOND FLOOR MECHANICAL PLAN
M1.2 3/16" = 1'-0"
0 4' 8' 12' 16'

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NO.	DATE	DESCRIPTION
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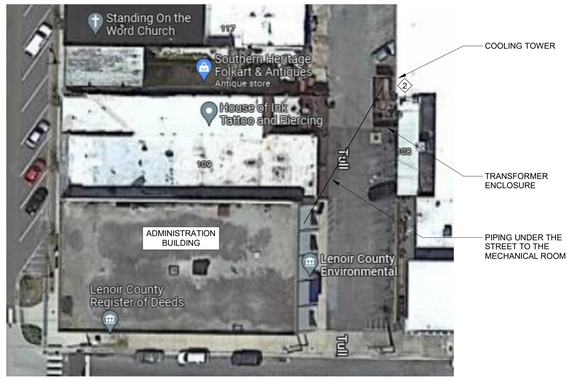
DRAWING NAME
MECHANICAL SECOND FLOOR PLAN

DRAWING NO.
M1.2

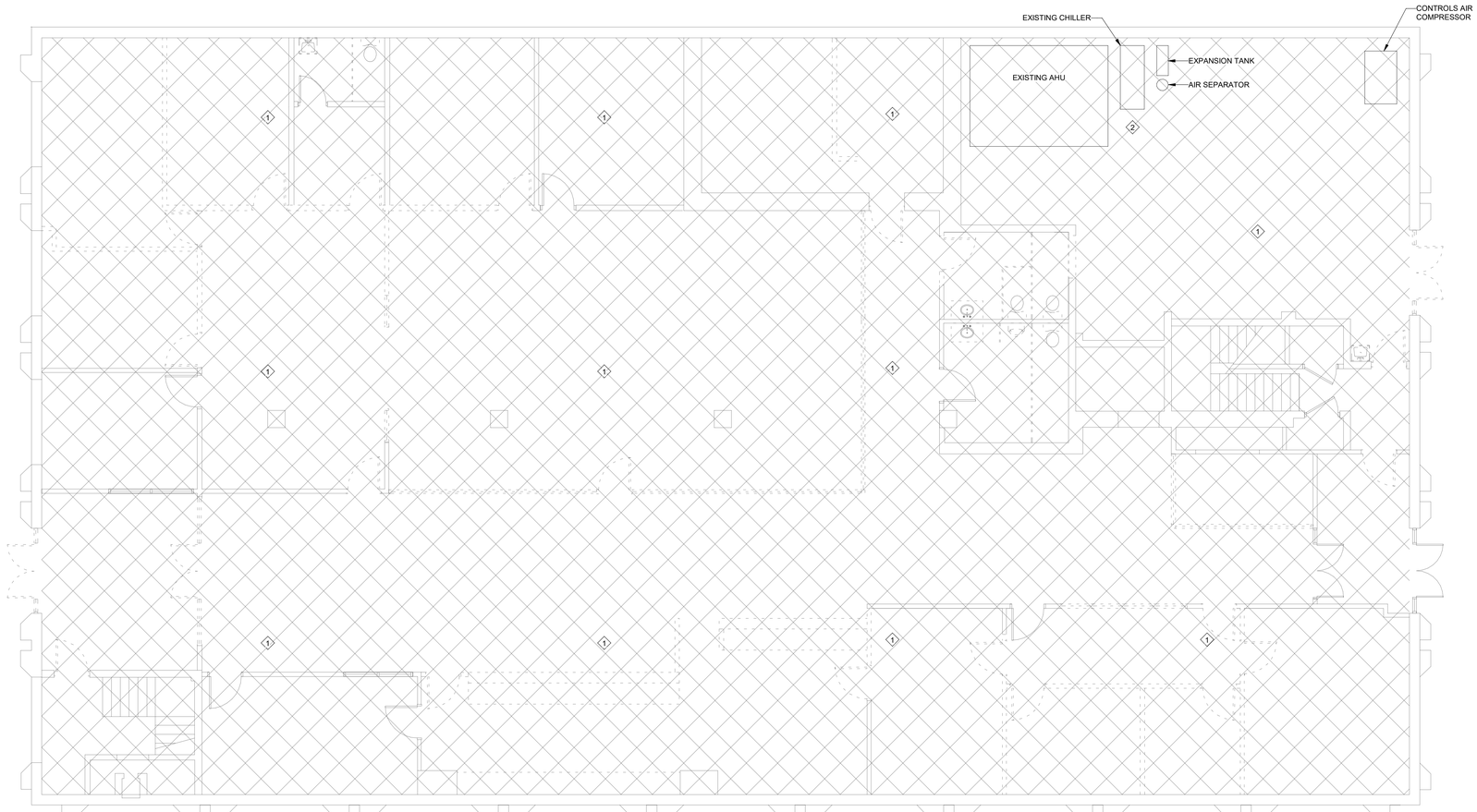
Drawn By: Author Checked By: Checker

DEMOLITION NOTES: ⟨#⟩

1. REMOVE THE EXISTING HVAC SYSTEM AND SYSTEM CONTROLS COMPLETE.
2. REMOVE THE EXISTING COOLING TOWER AND PUMPS LOCATED ACROSS TULL STREET FROM BUILDING. REMOVE ALL CONDENSER WATER PIPE ABOVE GROUND TO 6" BELOW GRADE. FILL UNDERGROUND PIPE WITH POLYURETHANE FOAM AND WELD CAP TO EACH END.
3. COORDINATE WITH ARCHITECT AND G.C. FOR ALL EXTERIOR LOUVERS. REMOVE WHERE REQUIRED. FOR EXISTING LOUVERS TO REMAIN, PROVIDE INSULATED CAP.
4. FAILURE OF THE CONTRACTOR TO VISIT THE SITE AND INVESTIGATE DEMOLITION SCOPE SHALL NOT RESULT IN A CHANGE ORDER TO THE OWNER FOR ALL OBSERVABLE CONDITIONS.



2 MD1.1/ DEMO SITE PLAN
NOT TO SCALE



1 MD1.1/ FIRST FLOOR MECHANICAL DEMOLITION PLAN
3/16" = 1'-0"
0 4' 8' 12' 16'

NEW SHEET ⟨2⟩

SEALS
NORTH CAROLINA PROFESSIONAL SEAL 18553 01-27-2023 ENGINEER MICHAEL A. ROGERS

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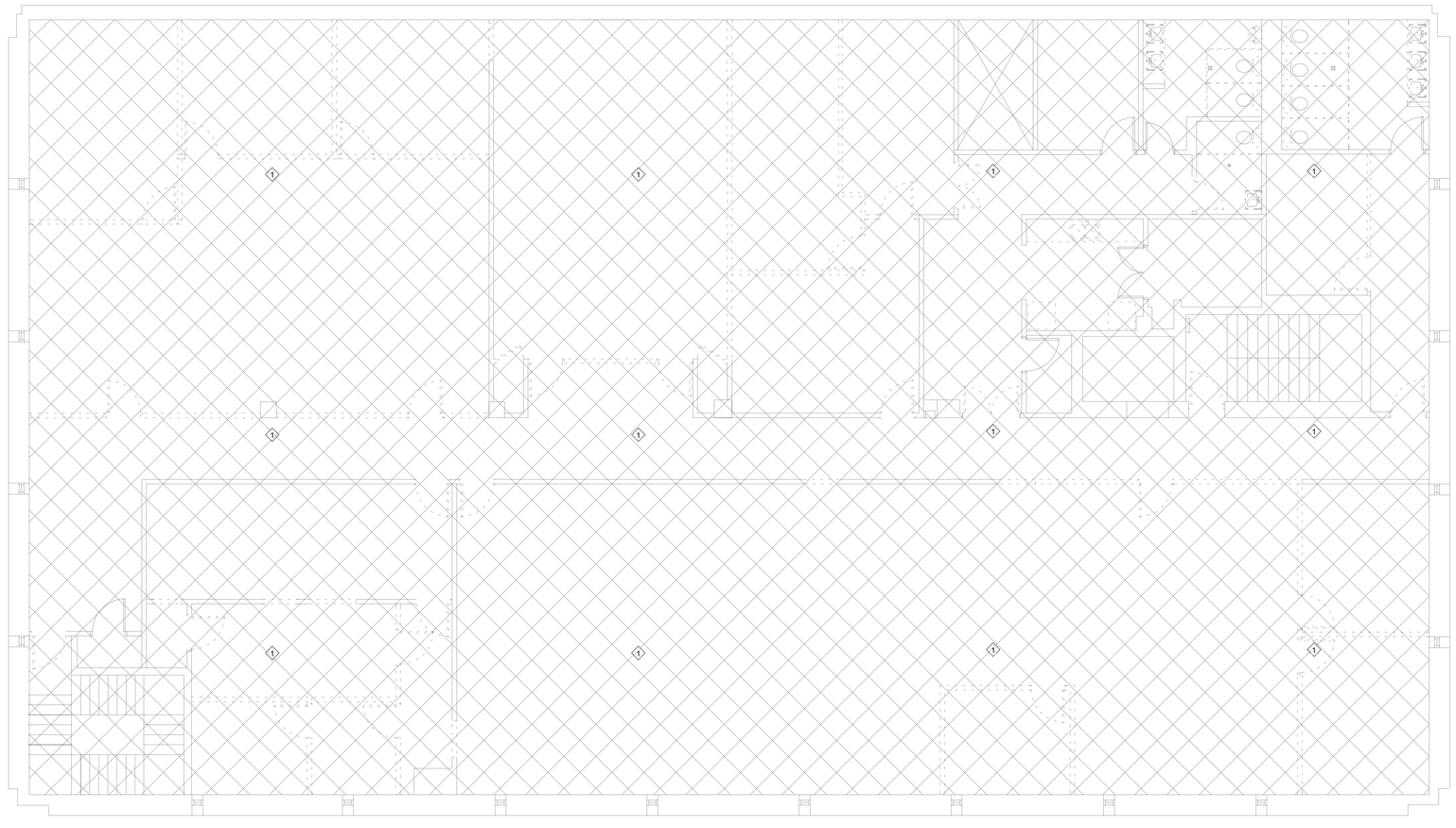
DRAWING NAME
MECHANICAL FIRST FLOOR DEMOLITION PLAN

DRAWING NO.
MD1.1

Drawn By: EBZ Checked By: MAR

DEMOLITION NOTES: (1)

1. REMOVE THE EXISTING HVAC SYSTEM AND SYSTEM CONTROLS COMPLETE.



1 MD1.2 SECOND FLOOR MECHANICAL DEMOLITION PLAN
3/16" = 1'-0"
0 4' 8' 12' 16'

NEW SHEET (2)

SEALS

NORTH CAROLINA PROFESSIONAL SEAL 18553 01-27-2023 ENGINEER MICHAEL A. ROGERS

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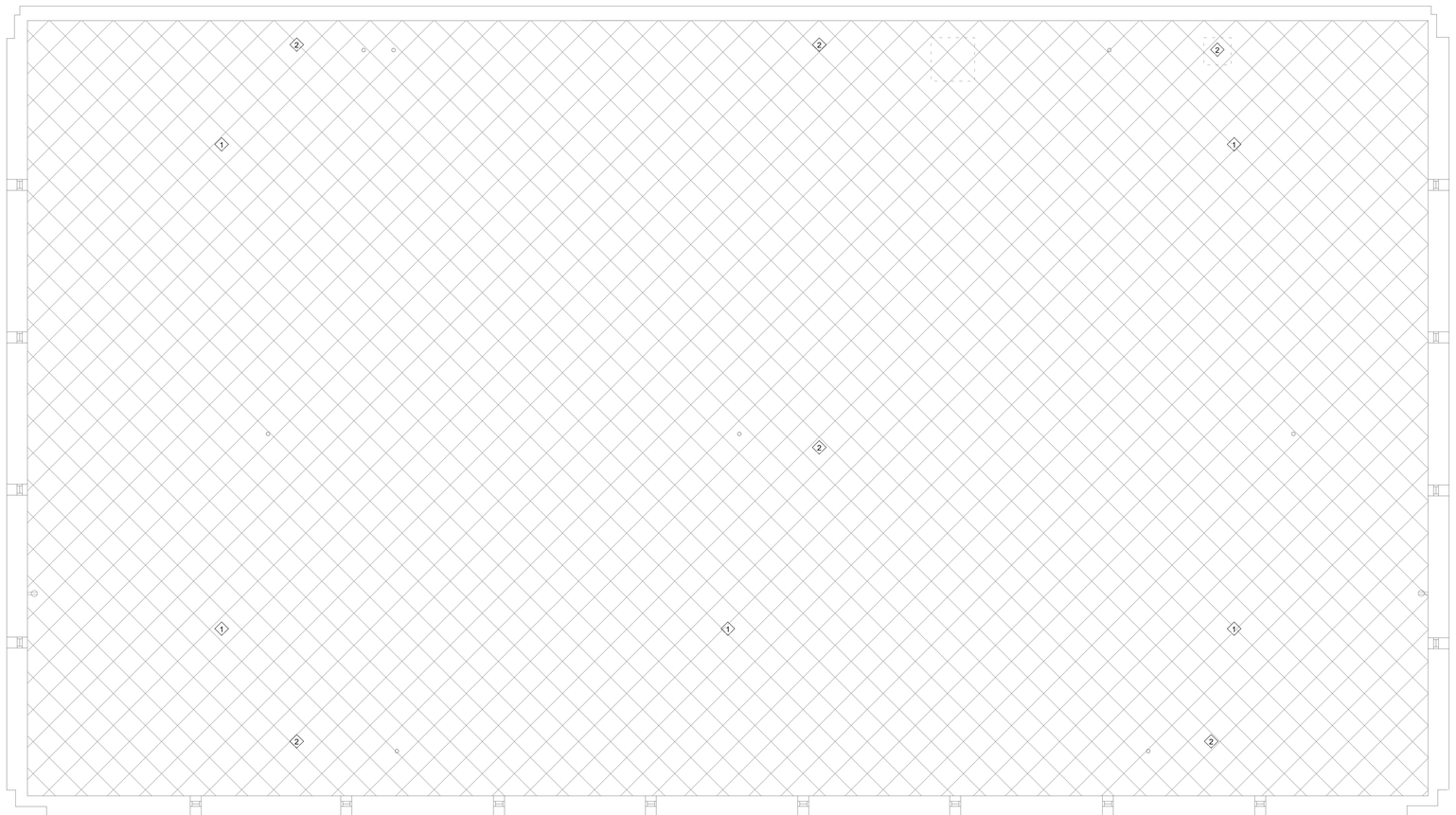
DRAWING NAME
MECHANICAL SECOND FLOOR DEMOLITION PLAN

DRAWING NO.
MD1.2

Drawn By: EBZ Checked By: MAR

DEMOLITION NOTES: (#)

1. REMOVE THE EXISTING HVAC SYSTEM AND SYSTEM CONTROLS COMPLETE.
2. REMOVE EXHAUST FAN FROM ROOF CURB. INSTALL NEW 2" THICK INSULATED CURB CAP.



1 MD1.3 ROOF MECHANICAL DEMOLITION PLAN
3/16" = 1'-0"
0 4' 8' 12' 16'

SEALS

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DRAWING NAME
MECHANICAL ROOF DEMOLITION PLAN

NEW SHEET (2)

DRAWING NO.
MD1.3

Drawn By: EBZ Checked By: MAR