

ADDENDUM NO. 2

Date: November 2, 2021

Project: First and Second Floor HVAC and Electrical
Upgrades to Reading Administration Building

CE No.: 18-2767-2

Reading School District
800 Washington Street
Reading, PA 19601



CONSOLIDATED
ENGINEERS

1022 James Drive
Leesport, PA 19533
Tel 610-916-1600
Fax 610-916-1610

The following items are clarifications, additions, and/or revisions to the original plans and specifications. This addendum forms a part of the Contract Documents for the above referenced project, and hereby modifies and takes precedence over the original bidding documents as though originally included therein. Bidders shall acknowledge receipt of this Addendum by indicating the Addendum number and date in the space provided on the bid form.

Addendum Items

Changes to the Specifications:

- 1.1 Refer to Attached Revised Bid Form Contract No. 3, Electrical Construction; Attached Bid Form shall replace existing Contract No. 3 Bid Form. Refer to revised Unit Price EC 1 and Allowance EC 1.
- 1.2 Refer to Specification Section 01210 – Allowances; Delete Description for Allowance EC 1 and replace with the following; Include twenty (20), 120volt, 20amp receptacles/circuits in Accordance with Unit Price EC 1.
- 1.3 Refer to Specification Section 01235 – Unit Prices; Delete Description for Unit Price EC 1 and replace with the following; Provide the total cost to provide three (3) duplex 20amp, 120volt, receptacles with a total run of 150'-0" of 2#12w/#12grd. Provide 1P-20A circuit breaker. Provide all connections. Provide all required labor for install. Price shall include providing 9'-0" of vertical surface raceway mounted on an existing wall and 12'-0" of surface raceway from outlet to outlet horizontally to connect to the other two receptacles on the adjacent walls.
- 1.4 Add attached Specification Section 096513, "Resilient Base and Accessories" to the Project documents.
- 1.5 Add attached Specification Section 096519 "Resilient Flooring" to the project documents.

Changes to the Drawings:

- 1.6 Refer to attached Drawing A-6, Floor Finished Plan for New Flooring. This drawing shall be added to the project documents.
- 1.7 Refer to attached sketch SKH-1 and contract drawing H-3. In Conference room 1.06 eliminate evaporator EVP-S1-11 and provide (2) two evaporators EVP-S1-11A and EVP-S1-11B and indicated-on sketch SKH-01. Modify ductwork and piping as indicated. Provide separate refrigerant piping (suction and liquid) from each evaporator to the branch selector box (BS-S1B). provide additional space temperature sensors as indicated.
- 1.8 Refer to the SKH-2 and contract drawing H-8. Eliminate from the drawing H-8 VRF indoor Unit Schedule, evaporator EVP-S1-11 and provide EVP-S1-11A and EVP-S1-11B as indicated on sketch SKH-2.
- 1.9 Refer to attached sketch SKH-3 and contract drawing H-5. Remove the direct duct connections to the existing evaporators EVP-S-11 and EVP-S-12 located in the Board Room. Provide new balancing dampers and adjust the air flows (cfm) as indicated. Adjust and record total supply and exhaust air flows, (390 cfm, each) for existing energy recovery unit (ERU-2).
- 1.10 Refer to contract drawing H-3. Provide space temperature sensor for evaporator EVP-S1-09 located in Reception 1.12. Locate sensor in the general location of the evaporator. Exact location to be determined.
- 1.11 Refer to contract drawing H-4. Provide space temperature sensors for evaporators EVP-S2-05 and EVP-S2-11 located in Office 2.07 and Library/Conference 2.02 respectfully. Locate sensor in the general location of the evaporators. Exact location to be determined.
- 1.12 Refer to attached Sketch SKH-2 and contract drawing E-3. Provide a connection to EVAP-11A (2#12W/#12grd., circuit AB1-10,12) in Conference Room 1.06. The existing connection shown on contract drawing E-3 in Conference Room 1.06 shall remain for EVAP-11B.

End of Addendum No.2

BID FORM

CONTRACT NO.3 ELECTRICAL CONSTRUCTION

*First and Second Floors HVAC and Electrical Upgrades
at the
District Administration Building
for
Reading School District*

Bid of: First and Second Floors HVAC and Electrical Upgrades at the Reading School District Administration Building

To: Mr. Joe Chiarelli, Purchasing Agent, Reading, PA

In conformity with the Drawings and Specifications as prepared by Consolidated Engineers, 1022 James Drive, Leesport, Pennsylvania for the First and Second Floors HVAC and Electrical Upgrades at the Reading School District Administration Building (the "Project"), and after an examination of the site and the Bidding and Contract Documents, including the Advertisement, Instructions to Bidders, Bid Form, Bid Bond, Qualification Statement, General Conditions as modified, Standard Form of Agreement, Performance Bond and Payment Bond, Insurance Requirements, and Technical Specifications and Drawings, the undersigned submits this Bid and encloses herewith as a bond on the form enclosed, furnished by Reading School District (the "District"), in an amount of not less than ten percent (10%) of the total of the hereinafter stated Base Bid, made payable to or indemnifying the District, 800 Washington Street Reading, Pennsylvania. The District shall hold this bid security, as provided in the Instructions to Bidders, if this Bid or any part thereof is accepted by the District, and the undersigned shall fail to furnish approved bonds and execute the Agreement within ten (10) days from the date of issuance of the award. Should the District fail to make an award on this Project through no fault or failure on the part of the Bidder, then the District shall return said bid security.

It is hereby certified that the undersigned is the only person(s) interested in this Bid as principal, and that the Bid is made without collusion with any person, firm, or corporation. The Bidder submits herewith, as such, a Non-Collusion Affidavit in accordance with the provisions of the Pennsylvania Antbid-Rigging Act, 62 Pa.C.S. Section 4501 et seq.

Bidder hereby agrees to execute the Agreement and furnish surety company bonds in the form incorporated in the Contract Documents, in the amount of one-hundred percent (100%) of the Contract Sum for the Performance Bond and Payment Bond, within ten (10) days after mailing by the School Board of notice of award, and to begin work within ten (10) days after date of Notice to Proceed.

Bidder guarantees that, if awarded the Contract, he will furnish and deliver all materials, tools, equipment, tests, transportation, secure all permits and licenses, do and perform all labor, superintendence and all means of construction, pay all fees and do all incidental work, and to execute, construct and finish, in an expeditious, substantial and workmanlike manner, in accordance with the Drawings and Specifications, to the complete satisfaction and acceptance of the District, for First and Second Floors HVAC and Electrical Upgrades at the Reading School District Administration Building. It is understood that the District Board of School Directors (the "School Board"), reserves the right to reject any or all bids, or part thereof, or items therein and to waive technicalities required for the best interest of the District. It is further understood that competency and responsibility of bidders will receive consideration before the award of the Contract. A certified copy of the Contractor's Qualification Statement, AIA Document A305 shall be submitted.

Bidder submits this Bid with the understanding that the work shall be completed on or before October 31, 2022; in accordance with the schedule; and, that time for completion of the work shall be considered as of the essence of this Contract. The Project start date shall be Immediately after School Board approval and Contract signing. A detailed breakdown sheet of the work, and the Contract Sum of the work involved, shall be submitted to the Engineer, within fifteen (15) calendar days after the execution of the Contract.

The Bidder agrees that he will not assign his Bid or any of his rights or interests thereunder without the written consent of the School Board.

SUBMITTALS: The Bidder agrees to submit shop drawings for the First and Second Floors HVAC and Electrical Upgrades at the Reading School District Administration Building within two (2) weeks after the Contract is fully executed.

THE BID, as called for, is submitted as follows:

BASE BID, Contract No.3 Electrical Construction

_____ Dollars
(\$ _____)

ALTERNATES

ALTERNATE BID E-1 Hardwired Flush Valves and Faucets

State the costs to be added to the base bid to provide “hardwired” flush valve sensors in lieu of the base bid “battery” operated flush valves.

_____ Dollars
(\$ _____)

UNIT PRICES

The Undersigned hereby agrees that each Unit Price submitted represents full compensation for either additions to or deductions from the Contract Sum for extra work or changes ordered under the Contract, as specified for Unit prices under instructions to Bidders and Division 1 “General Requirements”.

Unit Price No. EC 1: 120 Volt, 20amp Réceptacles / Circuits \$ _____.

Unit Price No. EC 2: Type “A” Light Fixture \$ _____.

Unit Price No. EC 3: Ceiling Occupancy sensor \$ _____.

ALLOWANCES

The Undersigned hereby agrees that the sums indicated for each labor and material allowance is included in the Base Bid and is work that is in addition to the required work of the Contract. The undersigned further certifies that the labor and material sums for each allowance shall be established using the listed. Unit Price indicated on this Bid Form, except where alternative direction is provided in the allowance description. The Undersigned agrees that unused allowance sums will be deducted from the Contract amount by Change Order.

Allowance No. EC 1: Twenty (20) 120volt Receptacles / Circuits \$_____.

Allowance No. EC 2: Fifteen (15) Type "A" Light Fixtures \$_____.

Allowance No. EC 3: Ten (10) Ceiling Occupancy Sensors \$_____.

In submitting this Bid, I have received and included in this Bid, the instructions and information contained in the following Addenda:

<u>Addendum No.</u>	<u>Dated</u>
_____	_____
_____	_____
_____	_____

The undersigned certifies that the Contract Documents have been considered, in their entirety, both before and in the preparation of this Bid. The undersigned, in submitting this Bid, intends to be legally bound by this Bid.

IN WITNESS WHEREOF, the undersigned has caused this Proposal to be executed as of

_____ . Date

When the Bidder is an Individual:

Witness

Bidder (SEAL)

When the Bidder is a Partnership:

Witness

(SEAL)

By: _____ (SEAL) _____ (SEAL)

_____ (SEAL)

Partners

When the Bidder is a Corporation: (CORPORATE SEAL)

_____ ATTEST:

Secretary

By: _____
President

_____ is a Corporation organized

and existing under the Laws of _____ and has (has not) been granted a Certificate of Authority to do Business in Pennsylvania, as required by the Business Corporation Law, approved May 5, 1933, P. L. 364, as amended to date.

END OF SECTION 00300

SECTION 09 65 13 - RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Resilient base.
- 2. Resilient molding accessories.

- B. Related Sections:

- 1. Division 03 Section "Hydraulic Cement Underlayment" for leveling compound.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified, not less than 12 inches long.
- C. Samples for Initial Selection: For each type of product indicated.
- D. Samples for Verification: For each type of product indicated and for each color, texture, and pattern required in manufacturer's standard-size Samples, but not less than 12 inches long.
- E. Product Schedule: For resilient base and accessory products.

1.4 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Furnish not less than 10 linear feet for every 500 linear feet or fraction thereof, of each type, color, pattern, and size of resilient product installed.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

1.6 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive resilient products during the following time periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 THERMOSET-RUBBER BASE

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Burke Mercer Flooring Products, Division of Burke Industries Inc.
 - 2. Flexco.
 - 3. Roppe Corporation, USA.
 - 4. Mannington.
- B. Product Standard: ASTM F 1861, Type TS (rubber, vulcanized thermoset), Group I (solid, homogeneous).
 - 1. Style and Location:
 - a. Cove: Provide in areas with resilient flooring.
- C. Thickness: 0.125 inch.
 - 1. Height: 6 inches.
- D. Lengths: Coils in manufacturer's standard length.
- E. Outside Corners: Job formed or preformed.
- F. Inside Corners: Job formed or preformed.

- G. Colors: As selected by Architect from full range of industry colors.

2.2 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
 - 1. Installation of resilient products indicates acceptance of surfaces and conditions.

3.2 PREPARATION

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

3.3 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 practical 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.

F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.

G. Job-Formed Corners:

1. Outside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.

a. Form without producing discoloration (whitening) at bends.

2. Inside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.

a. Miter or cope corners to minimize open joints.

3.4 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 floor covering that would otherwise be exposed.

3.5 CLEANING AND PROTECTION

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

B. Perform the following operations immediately after completing resilient-product installation:

1. Remove adhesive and other blemishes from exposed surfaces.

2. Sweep and vacuum horizontal surfaces thoroughly.

3. Damp-mop horizontal surfaces to remove marks and soil.

C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.

END OF SECTION 09 65 13

SECTION 09 65 19 - RESILIENT TILE FLOORING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Luxury vinyl floor tile.

- B. Related Sections:

- 1. Division 03 Section "Hydraulic Cement Underlayment" for leveling compound.

1.3 ACTION SUBMITTALS

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

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

- 1. Show details of special patterns.

- C. Samples for Initial Selection: For each type of floor tile indicated.

- D. Samples for Verification: Full-size units of each color and pattern of floor tile required.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of floor tile to include in maintenance manuals.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Floor Tile: Furnish one box for every 50 boxes or fraction thereof, of each type, color, and pattern of floor tile installed.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who employs workers for this Project who are competent in techniques required by manufacturer for floor tile installation and seaming method indicated.
 1. Engage an installer who employs workers for this Project who are trained or certified by floor tile manufacturer for installation techniques required.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Store floor tile and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F. Store floor tiles on flat surfaces.

1.9 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive floor tile during the following time periods:
 1. 48 hours before installation.
 2. During installation.
 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- 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. Fire-Test-Response Characteristics: For resilient tile flooring, 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.

2.2 LUXURY VINYL FLOOR TILE (LVT)

- A. Products: Subject to compliance with requirements, luxury vinyl floor tile incorporated into the project shall be based on products as follows:
- B. Basis of Design: Subject to compliance with requirements, luxury vinyl floor tile incorporated into the project shall be based on products as follows:
 - 1. Mannington Mills, Inc.; Amtico Wood, Stone, and Abstract Collections.
- C. Acceptable Manufacturers: Subject to compliance with requirements, in lieu of the Basis of Design manufacturer, Contractor may provide products from the following manufacturers that meet or exceed the published data of the specified Basis of Design product.
 - 1. Interface Flooring: Studio Set and Level Set, Collections.
 - 2. Mohawk Group.
- D. Tile Standard: ASTM F 1700.
 - 1. Class: Class III.
 - 2. Type: A and B, embossed surface.
- E. Thickness: 2.5mm (0.096 in.) minimum.
- F. Size: full range of available sizes and shapes.
- G. Colors and Patterns: As selected by Architect from full range of colors available in Basis of Design collections indicated.

2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Blended hydraulic-cement-based formulation as specified in Division 03 Section "Hydraulic Cement Underlayment" provided or approved by floor tile manufacturer for applications indicated. All areas to receive new resilient tile shall have entire surface levelled and patched.
- B. Adhesives: Water-resistant type recommended by floor tile and adhesive manufacturers to suit floor tile and substrate conditions indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of floor tile.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates according to floor tile 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, marks, dyes, paints, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by floor tile manufacturer. Do not use solvents.
 - 3. Alkalinity and Adhesion Testing: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing.
 - 4. Moisture Testing: Proceed with installation only after substrates pass testing according to floor tile manufacturer's written recommendations, but not less stringent than the following:
 - a. Perform anhydrous calcium chloride test according to ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Perform relative humidity test using in situ probes according to ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level.
- C. For all areas scheduled to receive new resilient tile floor, fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound as specified in Division 03 Section "Hydraulic Cement Underlayment"; remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install floor tiles until they are the same temperature as the space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.
- E. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient floor tile.

3.3 FLOOR TILE INSTALLATION

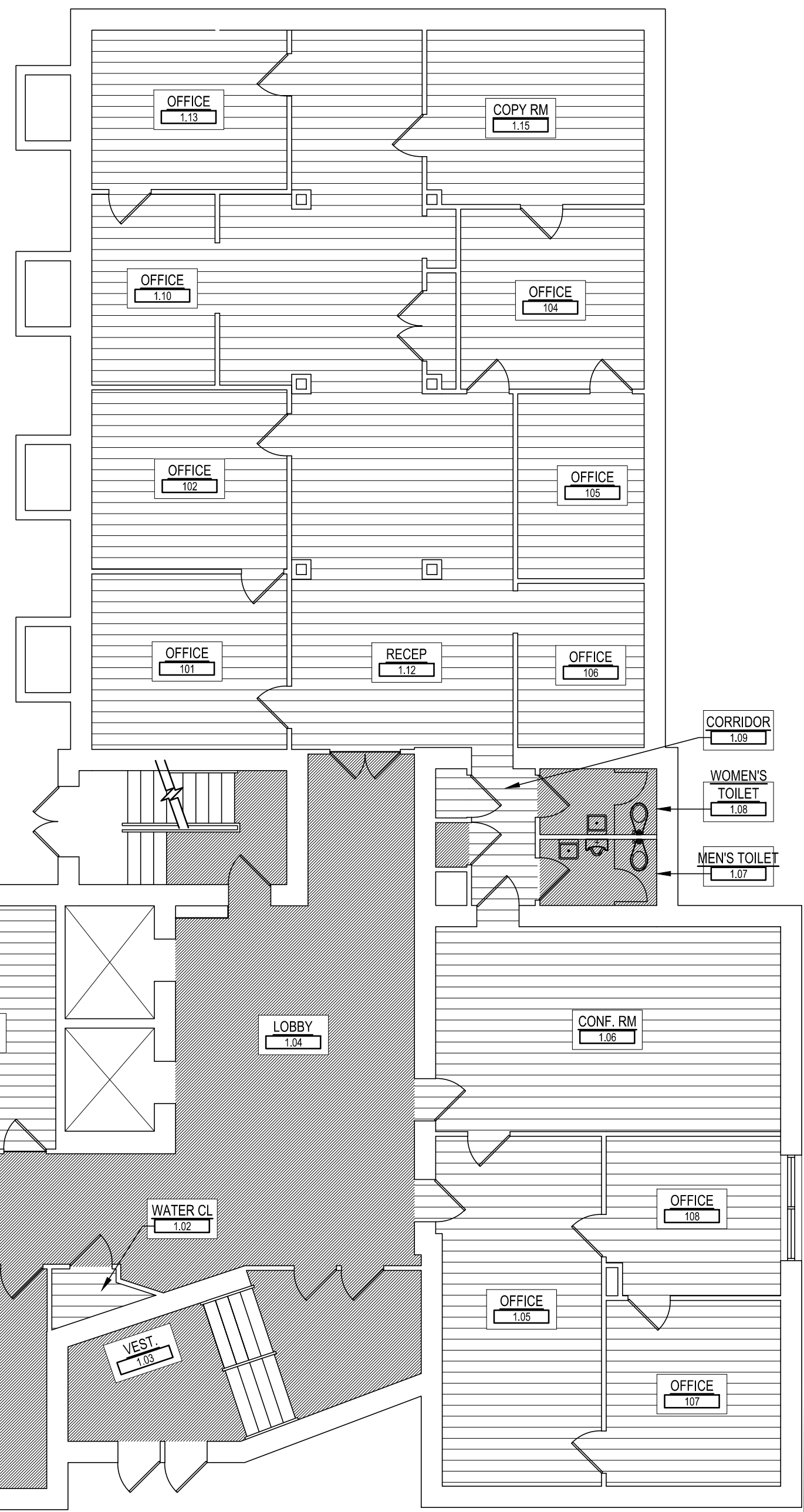
- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 - 1. Lay tiles in pattern selected by Architect and Owner.

- 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.
- 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 marking device.
- G. Install floor tiles on covers for telephone and electrical ducts, building expansion-joint covers, and similar items in finished floor areas. Maintain overall continuity of color and pattern between pieces of tile installed on covers and adjoining tiles. Tightly adhere tile edges to substrates that abut covers and to cover perimeters.
- H. 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.

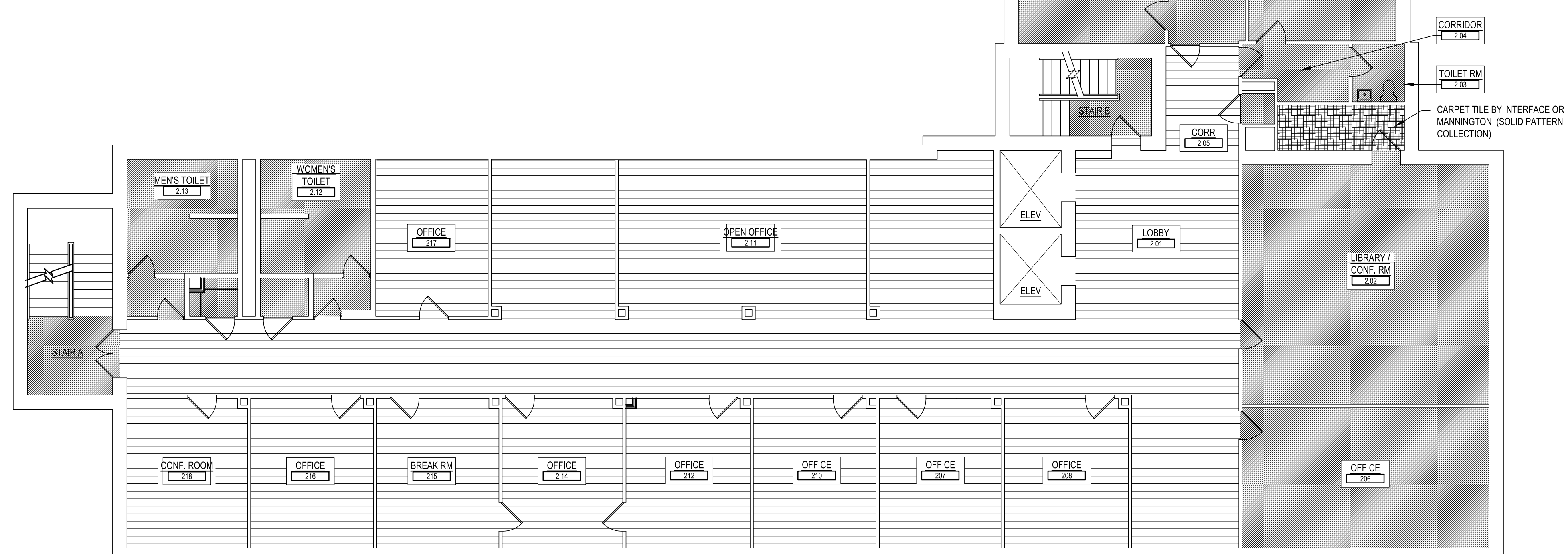
3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting floor tile.
- B. Perform the following operations immediately after completing floor tile installation:
 - 1. Remove adhesive and other blemishes from exposed surfaces.
 - 2. Sweep and vacuum surfaces thoroughly.
 - 3. Damp-mop surfaces to remove marks and soil.
- C. Protect floor tile from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover resilient tile flooring with paper-type roll goods acceptable to manufacturer until Substantial Completion.

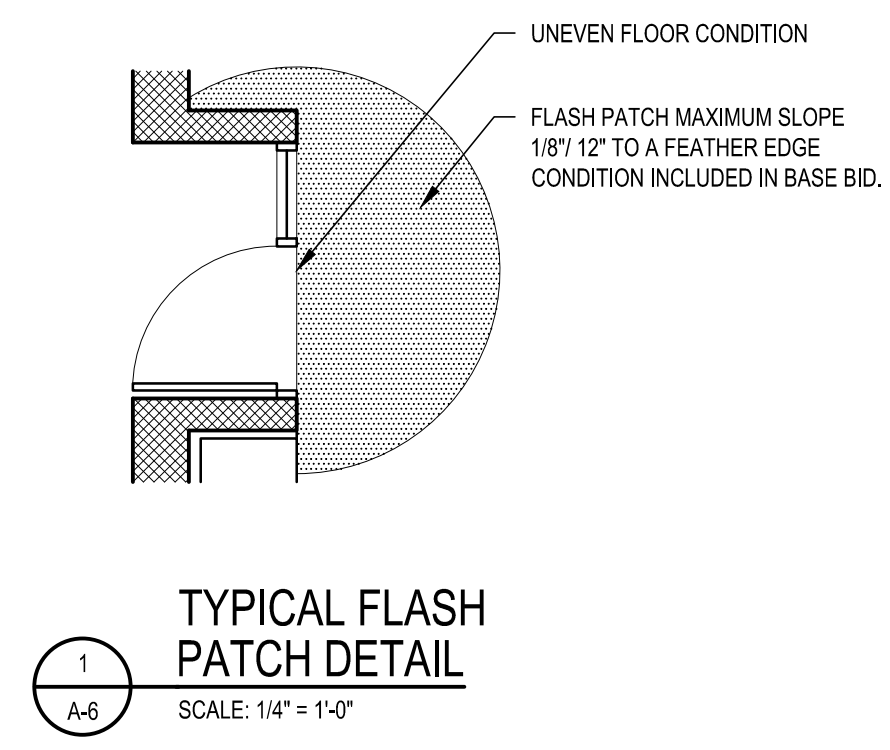
END OF SECTION 09 65 19



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

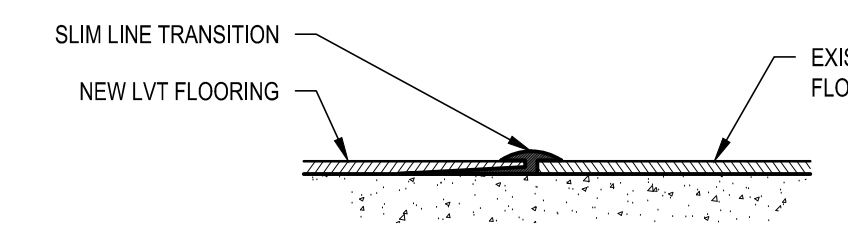


SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

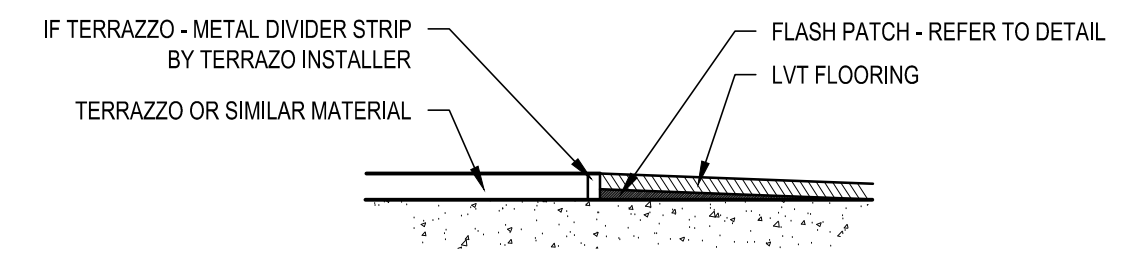


TYPICAL FLASH PATCH DETAIL
SCALE: 1/4" = 1'-0"

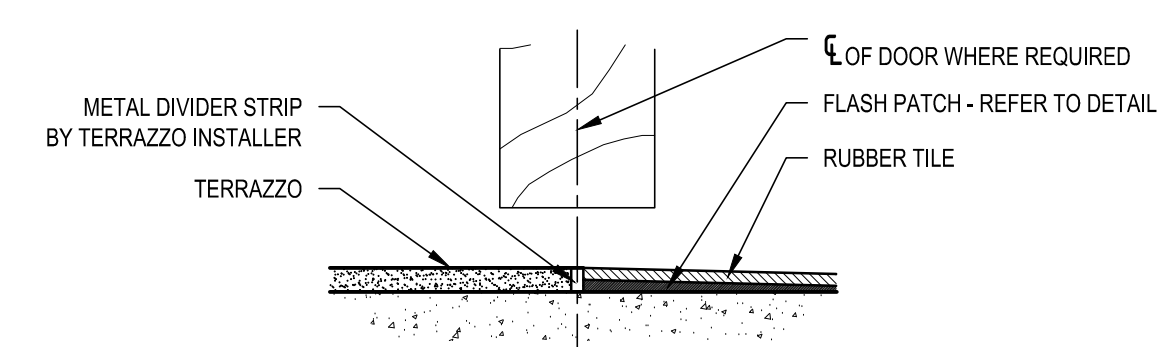
FINISH LEGEND			
NEW FINISH		EXISTING FINISH	
SYMBOL	FINISH	SYMBOL	FINISH
[Symbol]	LVT - 1 (SEE PLAN FOR NOTES)	[Symbol]	EXISTING FLOORING TO REMAIN
[Symbol]	SHEET VINYL - 1 (SEE PLAN FOR NOTES)		
[Symbol]	CARPET (SEE PLAN FOR NOTES)		



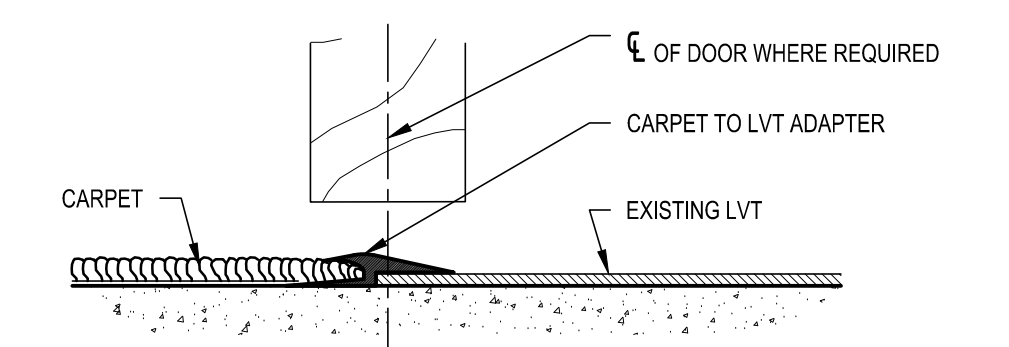
NEW LVT TO EXISTING LVT TRANSITION DETAIL
SCALE: 6" = 1'-0"



TYPICAL UNEVEN FLOOR TRANSITION
SCALE: 6" = 1'-0"



EXISTING TERRAZZO TO LVT TRANSITION
SCALE: 6" = 1'-0"



CARPET (OR WALK-OFF) TO LVT (OR RUBBER TILE) TRANSITION DETAIL
SCALE: 6" = 1'-0"

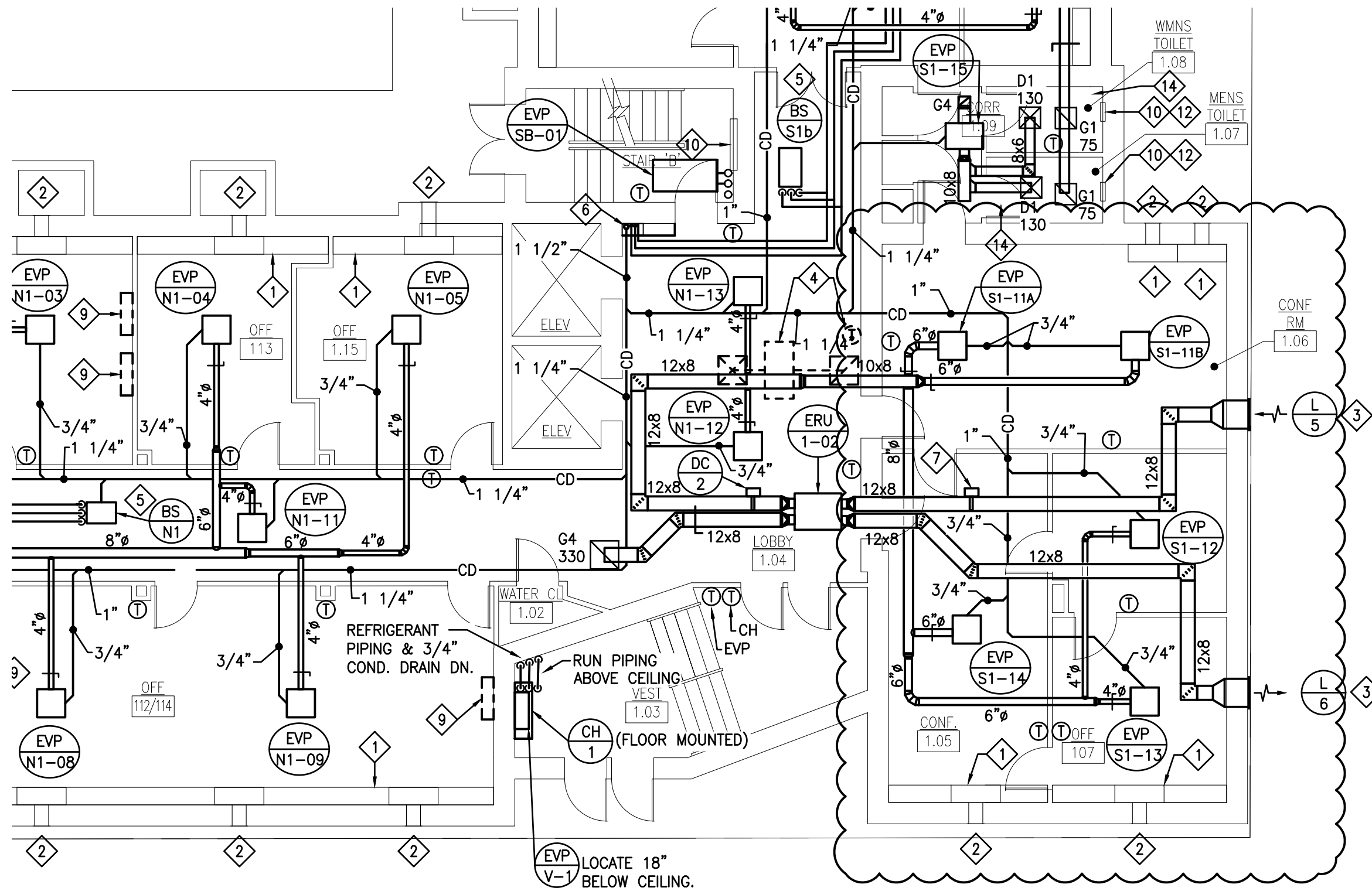
REVISIONS	BY

CONSOLIDATED ENGINEERS
1023 James Drive
Leopold, PA 15053
Tel: 610-976-1600 Fax: 610-976-0101
Internet: www.ceenec.com

1ST & 2ND FLOOR HVAC AND ELECTRICAL UPGRADES AT THE ADMINISTRATION BUILDING FOR THE READING SCHOOL DISTRICT
800 WASHINGTON STREET READING PA. 19601

FLOOR FINISH PLANS
ALL DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR at the SITE.

DRAWN BY	SKM/KDM
CHECKED BY	PML
DATE	10/29/2021
SCALE	AS NOTED
JOB NO.	20-2767-2
SHEET	



EVP V-1 LOCATE 18" BELOW CEILING.

REVISIONS:	BY:

PARTIAL FIRST FLOOR PLAN MECHANICAL
1st & 2nd FLOOR HVAC AND ELECTRICAL
UPGRADES AT THE ADMINISTRATION BUILDING
FOR THE READING SCHOOL DISTRICT
800 WASHINGTON STREET READING PA. 19601

CONSOLIDATED ENGINEERS
 1022 James Drive
 Leesport, PA 19533
 Tel 610-916-1600 Fax 610-916-1610
 www.consolidatedengineers.com

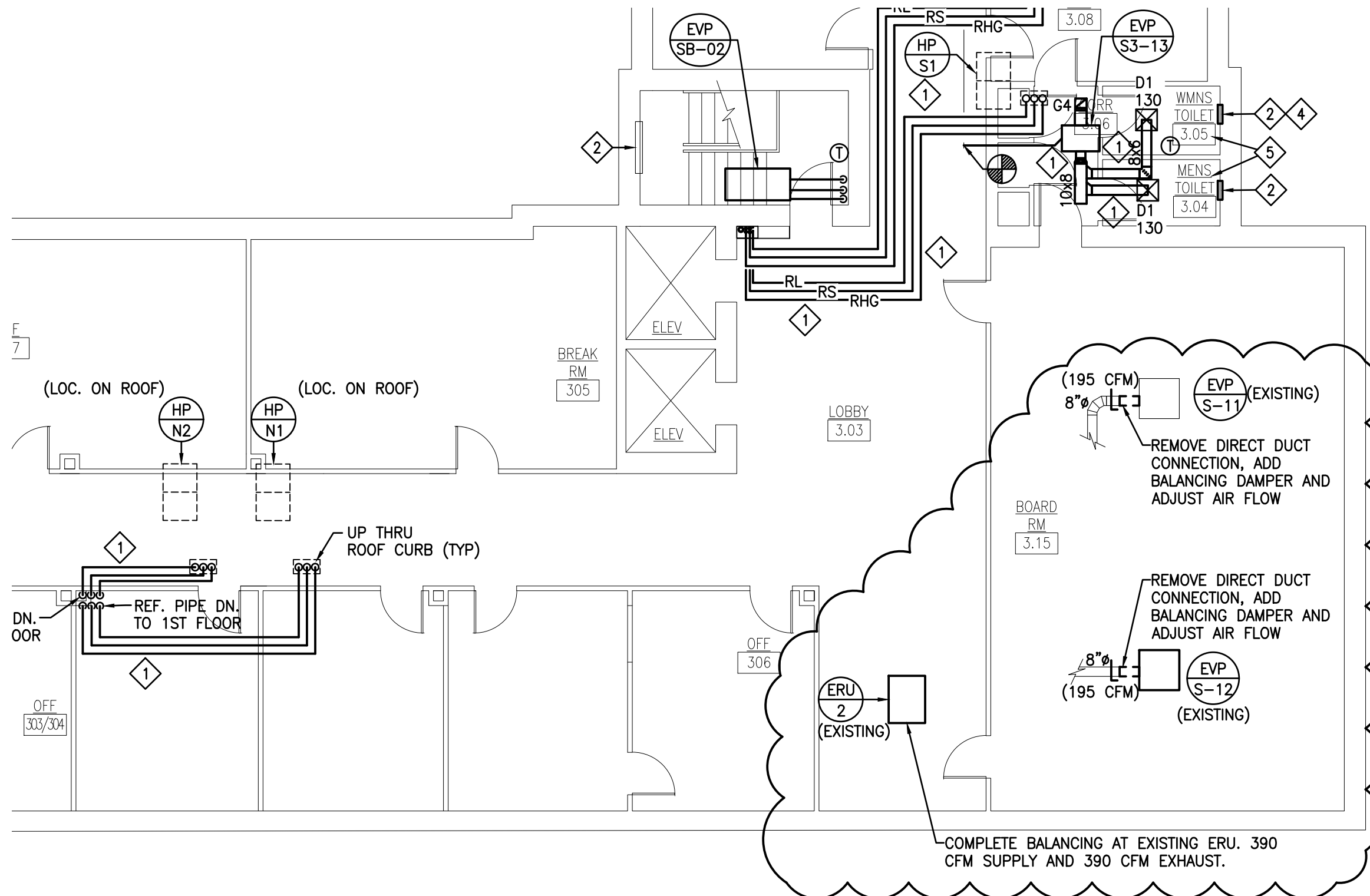
SCALE: 1/8" = 1'-0"
 DATE: 11-01-21
 DWG. NO.: **SKH-1**

VRF INDOOR UNIT SCHEDULE

BASIS OF DESIGN:
DAIKIN

SYMBOL	DESCRIPTION	CFM	MIN. OA	ESP	COOLING CAPACITY		HEATING CAPACITY		HEATING CAPACITY		UNIT WIRING			DIMENSIONS			WEIGHT	MODEL	REMARKS
					MBH	AMBIENT	MBH	AMBIENT	MBH	AMBIENT	ELEC	MCA	MOP	H	W	D			
S1-11A	CEILING CASSETTE	390	70	.05"	10.12	95°	14.01	47°	7.6	10°	208/230V- 1Ø	0.3	15A	10"	23"	23"	36#	FXZQ12TAVJU	SERVING SOUTH ZONE (HP-S1)
S1-11B	CEILING CASSETTE	390	70	.05"	10.12	95°	14.01	47°	7.6	10°	208/230V- 1Ø	0.3	15A	10"	23"	23"	36#	FXZQ12TAVJU	SERVING SOUTH ZONE (HP-S1)

REVISIONS:	BY:	VRF INDOOR UNIT SCHEDULE	CONSOLIDATED	SCALE: N/A
		1st & 2nd FLOOR HVAC AND ELECTRICAL	ENGINEERS	DATE: 11-01-21
		UPGRADES AT THE ADMINISTRATION BUILDING	1022 James Drive	
		FOR THE READING SCHOOL DISTRICT	Leesport, PA 19533	
		800 WASHINGTON STREET READING PA. 19601	Tel 610-916-1600 Fax 610-916-1610	DWG. NO.:
			www.consolidatedengineers.com	SKH-2



REVISIONS:	BY:

PARTIAL THIRD FLOOR PLAN MECHANICAL
1st & 2nd FLOOR HVAC AND ELECTRICAL
UPGRADES AT THE ADMINISTRATION BUILDING
FOR THE READING SCHOOL DISTRICT
800 WASHINGTON STREET READING PA. 19601

CONSOLIDATED ENGINEERS
 1022 James Drive
 Leesport, PA 19533
 Tel 610-916-1600 Fax 610-916-1610
 www.consolidatedengineers.com

SCALE: 1/8" = 1'-0"
 DATE: 11-01-21
 DWG. NO.: **SKH-3**