

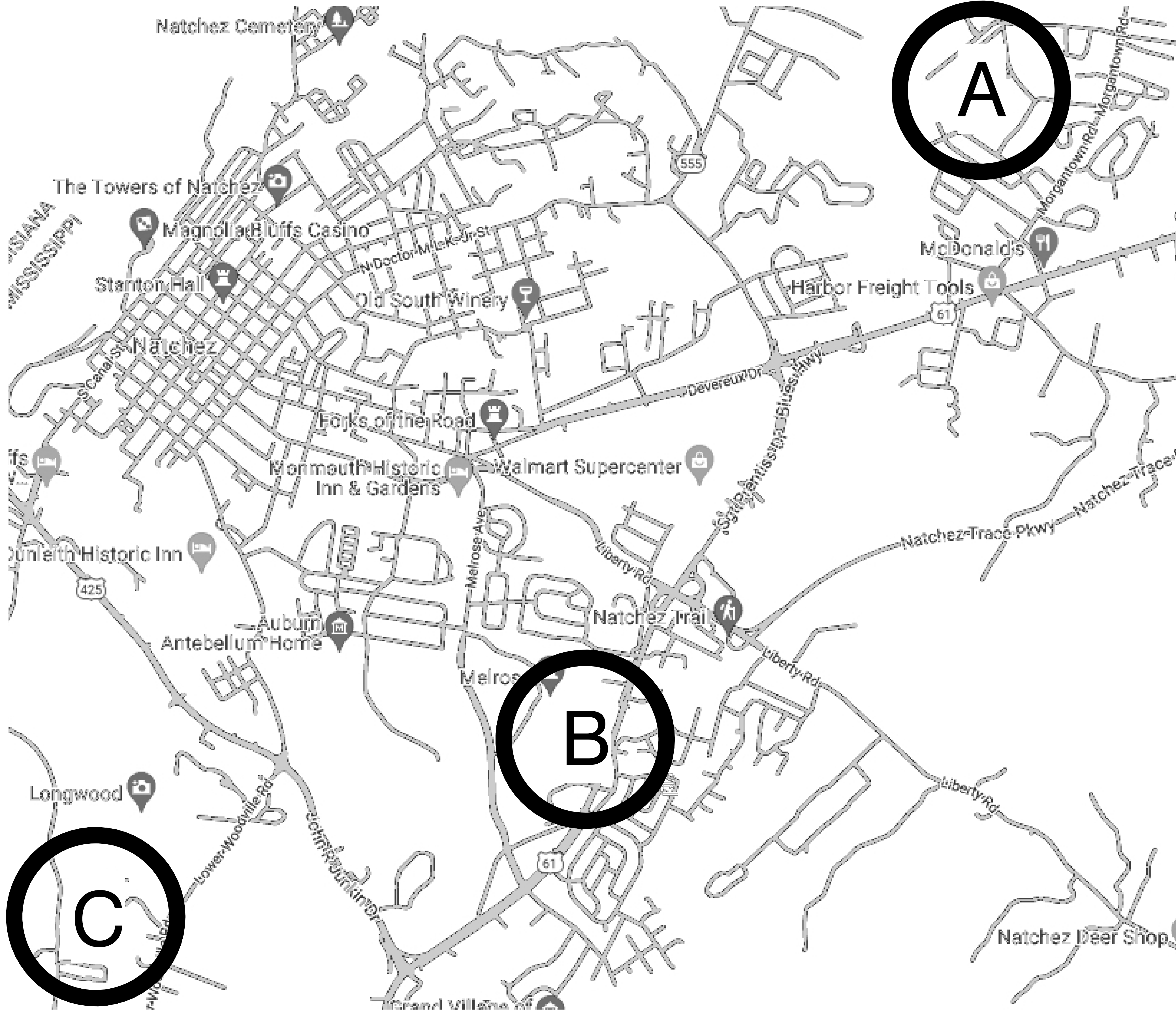
DALE | BAILEY

Jackson • Biloxi

AN ASSOCIATION

Mississippi

ESSER



- A: Morgantown Elementary
- B: McLaurin Elementary
- C: Susie B. West Elementary



Natchez-Adams School District ESSER 3

10 Homochitto St. Natchez, MS 39120

DBA PN: 21052
Construction Documents
11/11/2022



Superintendent Fred T. Butcher

Board of Trustees

President	Amos James, Jr.
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Attorney	Bruse Kuehnle, Jr.

Team Members

Owner	Natchez Adams School District
Architect	Dale Bailey, an Association
Mechanical	GSK Mechanical, Inc.
Electrical	The Power Source PLLC

Project Directory

Project Information

Name: Natchez Adams School District ESSER
 Project #: 21052
 Address: 10 Homochitto St. Natchez, MS 39120

Client

Natchez Adams School District ESSER
 10 Homochitto St.
 Natchez, MS 39120
 (601) 445-2800
 Contact: Fred T. Butcher,
 Superintendent of Education

Architect

Dale | Bailey, an Association
 One Jackson Place / Suite 250
 188 East Capitol Street
 Jackson, MS 39201-2100
 (601) 352-5411
 Contact: Russ Blount
 (russblount@dalepartners.com)

Structural

Structural Design Group,
 220 Great Circle Rd. STE 106, Nashville, TN 37228
 (615) 255-5537
 Contact: Will Grigg
 (willg@sdg-structure.com)

Fire Protection, Plumbing, & Mechanical

GSK Mechanical, Inc.
 201 Park Ct, Ridgeland, MS 39157
 (601) 605-2930
 Contact: Jason Kackley
 (jkackley@gskmech.com)

Electrical

The Power Source, PLLC.
 945 Madison Ave, Madison, MS 39110
 (601) 605-4820
 Contact: Freddie Borganeli
 (fborganeli@thepowersource.us)

General Project Notes

- Project Locations**
- Morgantown Elementary
 Cottage Home Drive, Natchez, MS 39120
 - McLaurin Elementary
 170 Sgt Prentiss Dr., Natchez, MS 39120
 - Susie B. West Elementary
 161 Lewis Dr, Natchez, MS 39120
- Project Alternates**
- ADD Alternate - Toilet Room Additional Finish Work
 - DED Alternate - Remove CMU work and replace with Toilet Partitions
 - DED Alternate - Reduce height of new Carrier Walls to partial heights as indicated
- Project Phasing Requirements**
- N/A

- Energy Code Requirements**
- IBC 2021 Energy Code is the mandatory energy code standard for this project.
 - All mechanical and electrical building system installed should meet all requirements of the energy code.
- Thermal Envelope Requirements**
- Roofs = R-20 ci (insulation entirely above deck)
 - Walls = R-7.6ci (mass walls)
 - Walls = R-13 + R-7.5ci (metal framed walls)
 - Below Grade Walls = no requirement
 - Slab on Grade = no requirement
- Fenestration Requirements (U-factor)**
- Fixed = U-Factor 0.46
 - Operable = U-Factor 0.60
 - Entrances = U-Factor 0.77
 - SHGC = U-Factor 0.25

- General Information**
- Do not scale drawings. If dimensions are in question, the contractor shall be responsible for obtaining clarification from the architect before continuing with the construction
 - Contractors shall verify, on the site, all dimensions and equipment locations, and notify architect promptly in writing of any discrepancies
 - Contractors shall be responsible to determine the on site conditions and perform all necessary work to complete the project
 - Contractors shall maintain safe methods of egress for occupied buildings and in site area during construction
 - All casework dimensions shall be field verified before unit fabrication or installation
 - Dimensions, notes, finishes, and fixtures shown on typical floor plans shall apply to similar, symmetrical, or opposite hand plans, sections, or details
 - Typical, or typ., shall mean that condition is representative for similar conditions throughout, U.N.O. Details are usually keyed and noted "Typ." only one time when they first occur
 - Partitions are dimensioned from finish face U.N.O. Dimensions to masonry are to actual finish face U.N.O.
 - Owner to have right of refusal for all materials, furniture, fixtures and good within the limits of the construction contract.

Drawing Index

Sheet No	Sheet Name	Building Name
G-001	Cover Sheet	General
G-002	Index & General Project Information	General
S-001a	Foundation Plan	A: Morgantown Elementary
S-201a	Roof Framing	A: Morgantown Elementary
S-101b	Foundation Plan	B: McLaurin Elementary
S-201b	Roof Framing	B: McLaurin Elementary
S-201c	Roof Framing	C: Susie B. West Elementary
S-301	Framing Sections & Details	General
S-302	Framing Sections & Details	General
G-000a	General Sheet	A: Morgantown Elementary
A-101a	Morgantown Elementary	A: Morgantown Elementary
A-401a	Enlarged Toilet Room Plans	A: Morgantown Elementary
A-402a	Enlarged Toilet Room Plans	A: Morgantown Elementary
G-000b	General Sheet	B: McLaurin Elementary
A-101b	McLaurin Elementary School Composite Floor Plan	B: McLaurin Elementary
G-000c	General Sheet	C: Susie B. West Elementary
A-101c	Susie B. West Elementary	C: Susie B. West Elementary
A-401c	Enlarged Toilet Room Plans	C: Susie B. West Elementary
A-402c	Enlarged Toilet Room Plans	C: Susie B. West Elementary
M-000	General Mechanical Information	General
MD001a	Overall Mechanical Demolition Plan	A: Morgantown Elementary
M-001a	Overall New HVAC Work	A: Morgantown Elementary
M-101a	Partial New HVAC Work	A: Morgantown Elementary
M-102a	Partial New HVAC Work	A: Morgantown Elementary
M-103a	Partial New HVAC Work	A: Morgantown Elementary
M-104a	Partial New HVAC Work	A: Morgantown Elementary
M-105a	Partial New HVAC Work	A: Morgantown Elementary
M-201a	Enlarged Toilet Plans	A: Morgantown Elementary
M-202a	Enlarged Toilet Plans	A: Morgantown Elementary

Drawing Index

Sheet No	Sheet Name	Building Name
M-203a	Enlarged Toilet Plans	A: Morgantown Elementary
MD001b	Overall Mechanical Demolition Plan	B: McLaurin Elementary
MD002b	Overall Mechanical Demolition Plan	B: McLaurin Elementary
M-001b	Overall New HVAC Work - Level 1	B: McLaurin Elementary
M-002b	Overall New HVAC Work - Level 2	B: McLaurin Elementary
M-101b	Partial New HVAC Work	B: McLaurin Elementary
M-102b	Partial New HVAC Work	B: McLaurin Elementary
M-103b	Partial New HVAC Work	B: McLaurin Elementary
M-104b	Partial New HVAC Work	B: McLaurin Elementary
M-105b	Partial New HVAC Work	B: McLaurin Elementary
MD001c	Overall Mechanical Demolition Plan	C: Susie B. West Elementary
M-001c	Overall New HVAC Work	C: Susie B. West Elementary
M-101c	Partial New HVAC Work	C: Susie B. West Elementary
M-102c	Partial New HVAC Work	C: Susie B. West Elementary
M-201c	Enlarged Toilet Plans	C: Susie B. West Elementary
M-301	Schedules	General
M-302	Schedules	General
M-303	Schedules	General
M-401	Details	General
M-402	Details	General
M-403	Details	General
ED100	Electrical Demolition	B: McLaurin Elementary
ED101	Electrical Demolition	B: McLaurin Elementary
E-100	Electrical Details	B: McLaurin Elementary
E-101	Electrical Renovation	B: McLaurin Elementary
E-102	Electrical Renovation	B: McLaurin Elementary
ED200	Electrical Demolition	A: Morgantown Elementary
E-200	Electrical Details	A: Morgantown Elementary
E-201	Electrical Renovation	A: Morgantown Elementary
ED300	Electrical Demolition	C: Susie B. West Elementary
E-300	Electrical Renovation	C: Susie B. West Elementary

Graphic Symbols

Building Elevation
 Elevation No. 2
 Sheet No. A-201

Building Section
 Elevation No. 1
 Sheet No. A-201

Wall Section
 Elevation No. 2
 Sheet No. A-201

Interior Elevation
 Elevation No. 1
 Sheet No. A-411

Detail
 Detail No. 1
 Sheet No. A-201

Column Grid
 ##

Door Mark
 ##

North Arrow
 North

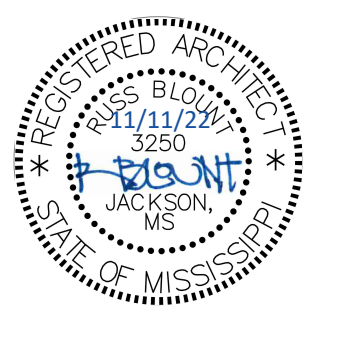
Spot Elevation
 +

Room Name and Number
 Room name 1001

Drawing Title with Drawing Scale
 View On Sheet
 View Name
 1-1/2" = 1'-0"
 Scale

General Abbreviations

AC	AIR CONDITIONING	EA	EACH	HGT	HEIGHT	MT	METAL THRESHOLD	REFR	REFRIDGERATOR	TBR	TO BE REMOVED
ABV	ABOVE	EDF	ELECTRIC DRINKING FOUNTAIN	HM	HOLLOW METAL	MTL	METAL	REINF	REINFORCED	TEL	TELEPHONE
ACT	ACOUSTICAL CEILING TILE	EHD	ELECTRIC HAND DRYER	HOW	HORIZONTAL	MWL	MILKWORK	REQ	REQUIRED	TEMP	TEMPORARY
ADJ	ADJUSTABLE	EIFS	EXTERIOR INSULATING FINISH SYSTEM	HR	HAND RAIL	N	NORTH	REV	REVISED	TH	THRESHOLD
AFF	ABOVE FINISH FLOOR	EJ	EXPANSION JOINT	HTG	HEATING	NAT	NATURAL	RH	RIGHT HAND	THK	THICK/THICKNESS
ALT	ALTERNATE	ELEC	ELECTRICAL	HVAC	HEATING/VENTILATION/AIR CONDITIONING	NIC	NOT IN CONTRACT	RM	ROOM	TLT	TOILET
ALM	ALUMINUM	ELEV	ELEVATION	HYD	HYDRANT	NO	NUMBER	RND	ROUND	TME	TO MATCH EXISTING
AND	ANODIZED	ELVR	ELEVATOR	ID	INSIDE DIAMETER	NOM	NOMINAL	RO	ROUGH OPENING	TOC	TOP OF CURB
APRX	APPROXIMATE	EQ	EQUAL	INSUL	INSULATION	NRC	NOISE REDUCTION COEFFICIENT	ROW	RIGHT OF WAY	TOS	TOP OF STEEL
AV	AUDIO VISUAL	EW	EACH WAY	INT	INTERIOR	NTE	NOT TO EXCEED	RPS	ROOF PAVER SYSTEM	TPD	TOILET PAPER DISPENSER
AVD	AUDIO VISUAL DISPLAY	EFW	ENGINEERED WOOD FLOORING	INV	INVERT	NTS	NOT TO SCALE	RR	RETURN REGISTER	TPH	TOILET PAPER HOLDER
BD	BOARD	EXH	EXHUAST	JAN	JANITOR	O	OXYGEN	S	SOUTH	TR	TRANSOM
BLDG	BUILDING	EXIST	EXISTING	JC	JENITORS CLOSET	OA	OUTSIDE AIR	SC	SOLID CORE	TV	TELEVISION
BLKG	BLOCKING	EXP	EXPANSION	JST	JOIST	OC	ON CENTER	SCD	SEAT COVER DISPENSER	TYP	TYPICAL
BOC	BOTTOM OF CURB	EXT	EXTERIOR	JT	JOINT	OCEW	ON CENTER EACH WAY	SCF	STAINED/SEALED CONCRETE FLOOR	UC	UNDERCOUNTER
BOS	BOTTOM OF STEEL	FCF	FINISHED CONCRETE FLOOR	KD	KNOCK DOWN	OD	OUTSIDE DIAMETER	SCH	SCHEDULE	UNO	UNLESS NOTED OTHERWISE
BW	BOTH WAYS	FCO	FLOOR CLEAN OUT	KIT	KITCHEN	OFCI	OWNER FURNISHED / CONTRACTOR INSTALLED	SD	SOAP DISPENSER	VB	VAPOR BARRIER
CAB	CABINET	FD	FLOOR DRAIN	KO	KNOCK OUT	OPNG	OPENING	SECT	SECTION	VD	VISUAL DISPLAY
CB	CATCH BASIN	FE	FIRE EXTINGUISHER	KPL	KICKPLATE	OPP	OPPOSITE	SHT	SHEET	VCB	VISUAL COMMUNICATION BOARD
CC	CENTER TO CENTER	FEC	FIRE EXTINGUISHER CABINET	L	LENGTH	P	PAINT/PAINTED	SHTH	SHEATHING	VCT	VINYL COMPOSITE TILE
CCT	CONCRETE COUNTER TOP	FFE	FINISH FLOOR ELEVATION	LAB	LABORATORY	PAR	PARALLEL	SIM	SIMILAR	VIF	VERIFY IN FIELD
CG	CORNER GUARD	FIN	FINISH	LAD	LADDER	PBD	PARTICLE BOARD	SJ	SCORE JOINT	VT	VINYL TILE
CH	COAT/CLOTHES HOOK	FLG	FLOORING	LAM	LAMINATE	PCF	PRESSED/PATTERNED CONCRETE FLOOR	SLW	SEAMLESS LIQUID WALL COVERING	VTR	VENT THROUGH ROOF
CHM	CHAMFER	FLOR	FLOURESCENT	LAV	LAVATORY	PCT	PLASTIC COUNTER TOP	SND	SANITARY NAPKIN DISPENSER	VWC	VINYL WALL COVERING
CJ	CONTROL JOINT	FLR	FLOOR	LAWP	LIQUID APPLIED WATER PROOFING	PERF	PERFORATED	SNDU	SANITARY NAPKIN DISPOSAL UNIT	W	WEST
CLG	CEILING	FND	FEMININE NAPKIN DISPENSER	LBL	LABEL	PL	PLATE	SND	SANITARY NAPKIN / TAMPON DISPENSER	W/	WITH
CLO	CLOSET	FOF	FACE OF FINISH	LF	LINEAR FEET	PLAM	PLASTIC LAMINATE	SP	SOUNDPROOF	WB	WOOD BASE
CMU	CONCRETE MASONRY UNIT	FOM	FACE OF MASONRY	LH	LEFT HAND	PLST	PLASTER	SPCR	SPACER	WC	WOOD CLOSET
CO	CLEAN OUT	FOS	FACE OF STUD	LIN	LINOLEUM	PLWD	PLYWOOD	SPEC	SPECIFICATIONS	WCT	WOOD COUNTER TOP
COL	COLUMN	FRP	FIRE PROOF	LL	LIVE LOAD	PMR	PREFORMED METAL ROOFING	SPTC	SPECIMEN PASS THRU CABINET	WD	WOOD BASE
CONC	CONCRETE	FPP	FIBERGLASS REINFORCED PANEL	LPP	LAVATORY PIPING PROTECTION	PMS	PREFORMED METAL SIDING	SQ	SQUARE	WDT	WIDTH
CONT	CONTINUOUS	FRT	FIRE RETARDENT	LT	LIGHT	PR	PAIR	SSD	SANITARY SEWER	WOW	WINDOW
CORR	CORRIDOR	FT	FOOT/FEET	LTG	LIGHTING	PRT	PORCELAIN CERAMIC TILE	SSD	SHOWER SOAP DISPENSER	WS	WALL GUARD
CPT	CARPET	FTG	FOOTING	LVT	LUXURY VINYL TILE	PSF	POUNDS PER SQUARE FOOT	SSTL	STAINLESS STEEL	WH	WATER HEATER
CR	CRASH RAIL	FVC	FABRIC WALLCOVERING	LVC	LIGHTWEIGHT CONCRETE	PSI	POUNDS PER SQUARE INCH	STC	SOUND TRANSMISSION COEFFICIENT	WP	WATERPROOFING
CT	CERAMIC TILE	G	GAS	MAS	MASONRY	PT	PRESSURE TREATED	STD	STANDARD	WR	WATER RESISTANT
CTR	CENTERED	GA	GAUGE	MAX	MAXIMUM	PTD	PAPER TOWEL DISPENSER	STL	STEEL	WSCOT	WAINSCOT
CYP	CYPRESS	GB	GRAB BAR	MB	MARKER BOARD	PTN	PARTITION	STOR	STORAGE		
DBH	DISPOSAL BAG HOLDER	GC	GENERAL CONTRACTOR	MC	MEDICINE CABINET	PTR	PAPER TOWEL RECPTACLE	SUPP	SUPPLEMENTAL		
DBL	DOUBLE	GCT	GRANITE COUNTER TOP	MCT	MARBLE COUNTER TOP	QRF	QUARTZ RESINOUS FLOORING	SV	SHEET VINYL		
DET	DETAIL	GL	GLASS/GLAZING	MECH	MECHANICAL	QT	QUARRY TILE	SVSK	SERVICE SINK		
DF	DRINKING FOUNTAIN	GT	GRANITE TILE	MFG	MANUFACTURER/MANUFACTURED	QTR	QUARTER	SWR	SHOWER		
DIA	DIAMETER	GWB	GYPSPUM DRYWALL	MG	MEDICAL GAS	R	RISER	SWRC	SHOWER CURTAIN		
DIAG	DIAGONAL	GYP	GYPSPUM	MIN	MINIMUM	RA	RADIUS	SYF	SOUTHERN YELLOW PINE		
DIM	DIMENSION	HB	HOSE BIB	MIR	MIRROR	RB	RUBBER BASE	T	THREAD		
DISP	DISPENSER	HC	HOLLOW CORE	MISC	MISCELLANEOUS	RBR	RUBBER	T&B	TOP & BOTTOM		
DN	DOWN	HD	HEAVY DUTY	MLDG	MOULDING	RCP	REINFORCED CONCRETE PIPE	T&G	TONGUE & GROOVE		
DRW	DECAY RESISTANT WOOD	HDR	HEADER	MO	MASONRY OPENING	RD	ROOF DRAIN	TB	TOWEL BAR		
E	EAST	HDW	HARDWARE	MR	MOP RACK	REF	REFERENCE	TBD	TO BE DETERMINED		



STRUCTURAL NOTES

THE STRUCTURAL NOTES DEFINE GENERAL DESIGN AND MATERIAL REQUIREMENTS AND ARE INTENDED TO SUPPLEMENT, BUT NOT REPLACE, THE PROJECT SPECIFICATIONS

DESIGN CRITERIA

- Building Code: 2018 International Building Code and ASCE 7-16 (except Chapter 14 and Appendix 11A)
 - Building Risk Category: III
- Design Loads
 - Roof Loads
 - Uniform Roof Live Load (reduced per Building Code) 20 psf

GENERAL

- Reference to standards or specifications of technical societies, organizations, or associations means the standard or specification referenced by the governing Building Code shown on the Drawings, unless specifically noted otherwise.
- Material, workmanship, and design shall conform to the referenced Building Code.
- For dimensions not shown in the Structural Drawings, see the Architectural Drawings.
- Contractor responsibilities include, but are not limited to, the following:
 - Coordinate the Structural Documents with the Architectural, Mechanical, Electrical, Plumbing, and Civil Documents. Architect/Structural Engineer shall be notified of any discrepancy or omission prior to installation of associated work.
 - Coordinate Structural Documents with Architectural and MPE Documents for location and quantity of miscellaneous framing for items such as roof drains, suspended or supported mechanical units, etc. Refer to Architectural and MPE Documents for additional miscellaneous structural elements that may not appear in the Structural Documents.
 - Equipment/Framing Verification
 - Mechanical Equipment: Submit actual weights of equipment to be used for review at least 3 weeks prior to fabrication and construction. Coordinate opening sizes and locations with Mechanical Contractor.
 - Miscellaneous Framing: Verify framing shown on the Structural Drawings for mechanical equipment.
 - The structure is stable only in its completed form. Temporary supports required for stability during all intermediate stages of construction shall be designed, furnished, and installed by the Contractor.
 - Contractor has sole responsibility for jobsite safety and complying with all health and safety precautions as required by any regulatory agency. In performing construction observation visits to the jobsite, the Structural Engineer will have no control over, nor responsibility for, the Contractor's means, methods, sequences, techniques, or Procedures in performing the work.
 - Contractor is responsible for locating concrete reinforcement prior to installation of post-installed anchors, through bolts, or other post-installed items in concrete. Existing reinforcement including post-tensioning tendons shall not be cut or otherwise damaged while installing post-installed anchors.
- Existing and Unforeseen Conditions
 - Contractor shall field verify all existing roof framing layout, member sizes and member spacing prior to construction and fabrication. Contractor shall immediately notify Structural Engineer of any existing conditions that are in conflict with the Structural Documents.
 - Shop drawing submittals shall be based on field verified dimensions and conditions only. Contractor shall clearly show actual field dimensions on shop drawings.

SUBMITTALS

- Shop Drawings and Submittals
 - Reproduction of Structural Drawings for shop drawings is not permitted.
 - Electronic drawing files will not be provided to the Contractor.
 - Review of shop drawings will be for conformance with the Construction Documents regarding arrangement and sizes of members and the Contractor's interpretation of the design loads, if applicable, and Construction Document details. Such review shall not relieve the Contractor of the full responsibility to comply with the Construction Documents.
- Submittals
 - The Specifications identify the required submittals. Prior to (or with) the first submittal, Contractor shall submit a list of all required submittals for Engineer's review.

REINFORCEMENT

- Reinforcing Bars: ASTM A615, Grade 60
 - Reinforcing bars are not to be welded.
- Reinforcement Placement (UNO)

2.1 Concrete Reinforcement Cover			
Slabs:	Top	Bottom	1 1/2" clear 3/4" clear

CAST-IN-PLACE CONCRETE

- Concrete Properties
 - Normal Weight Structural Concrete

	28-Day, f _c (min.) (max.)	w/cm Ratio	Entrained Air (min.) (max.)
Mechanical Equipment Pads:	3,000 psi	----	5.0 +/- 1.5%

Note: All concrete shall be assigned the exposure classes FO, SO, WO, and CO; except concrete in
- Pipes or ducts shall not exceed one-third the slab thickness unless specifically detailed. See mechanical and electrical drawings for location of sleeves, accessories, etc.
- Defect Repair: Honey-combing, spalls, cracks, etc. shall be repaired. Extent of defective area to be determined by the Structural Engineer.
- Curing
 - Begin curing procedures immediately following commencement of the finishing operation.
 - Concrete shall be moist cured in accordance with ACI 308. See Specification for additional information.

STRUCTURAL STEEL

- Steel Shapes
 - Angles, Channels, Plates, UNO: ASTM A36
- Structural steel shall be fabricated and erected according to the "Specification for Structural Steel Buildings" referenced in the referenced Building Code.
- Shop Drawings: Submittal shall adequately depict structural members and connections.
- Welders shall be qualified for the work performed in accordance with AWS D1.1. Welder qualifications shall be certified by the local building authority and verified by the Contractor and the Special Inspector.

POST-INSTALLED ANCHORS

- Post-installed anchors shall only be installed where indicated on the structural drawings, unless approved by engineer of record.
- The below products are the design basis for this project. Product diameter and embedment shall be as shown in the details. Install products IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). Refer to the project building code and/or evaluation report for special inspections and proof load requirements. Substitution requests for products other than those listed below may be submitted by the contractor to the Engineer-of-Record (EOR) for review. Substitutions will only be considered for products having a research report recognizing the product for the appropriate application under the project building code. Substitution requests shall include calculations that demonstrate the substituted product is capable of achieving the equivalent performance values of the design basis product.
- For Anchoring into Concrete
 - Screw Anchors: Simpson Titen-UD (Concrete: ICC-ES ESR-2713; Grouted Masonry: ICC-ES ESR-1056) or DeWalt Screw-Bolt (ICC-ES ESR-3689) Hilti Kwik HUS-EZ (ICC-ES ESR-3027) Minimum Embedment=6 times anchor diameter, UNO.
- Contractor shall arrange for an anchor manufacturer's representative to provide onsite installation training for all of their anchoring products specified. The structural Engineer of record must receive documented confirmation that all of the contractor's personnel who install anchors are trained prior to the commencement of anchor installation.

ANCHORAGE AND BRACING OF NON-STRUCTURAL COMPONENTS

- Roof Top Structures and Equipment
 - Rooftop structures and equipment shall be properly anchored and braced to resist. Refer to MPE documents for specific details and additional information.
 - Design of anchorage for rooftop structures, curbs and equipment shall be the sole responsibility of the Contractor. Submit shop drawings sealed by an Engineer licensed in the project state. Shop drawings shall show plan layout, typical elevations, details, and anchorage to the structure.

GENERAL

This Structural Quality Assurance Plan includes:

- The Statement of Special Inspections which defines the scope of testing and inspection that is required for this project.
 - The responsibilities of the Contractor.
- Refer to other portions of the Construction Documents for Special Inspections required of architectural, mechanical, electrical, or other building components.

Special Inspector shall be hired by the Contractor and shall be approved by the Building Official and the Architect. Contractor shall submit with his bid the name and qualifications of the Structural Inspector(s).

Special Inspector shall maintain records of inspections in accordance with Chapter 17 of the Building Code and shall distribute these records to the Building Official, Architect, and Structural Engineer on a weekly basis, unless noted otherwise below. Reports shall indicate that work inspected/tested was done in conformance to the Construction Documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, they shall be brought to the attention of the Building Official, Architect, and Structural Engineer prior to completion of that phase of the work.

At the conclusion of the project, the Special Inspector shall submit a final report documenting required special inspections and correction of any discrepancies noted in the inspections.

STATEMENT OF SPECIAL INSPECTIONS

Special Inspector shall perform the following tests and inspections of all structural elements included within this Statement of Special Inspections.

- The following tables contain material, components and work that require special inspection or testing:
 - Inspection Frequency, C - Continuous special inspection. Special inspection by the special inspector who is present when and where the work to be inspected is being performed.
 - Inspection Frequency, P - Periodic special inspection. Special inspection by the special inspector who is intermittently present where the work to be inspected has been or is being performed. For structural steel observe the items on a random basis.

CONCRETE CONSTRUCTION	Inspection Frequency	Remarks
1. Inspection of reinforcing steel placement and installation. Grade, size, quantity, quality, location, spacing, clearances.	- P	ACI 318: 3.5, 7.1 — 7.7 / IBC 1910.4
2. Verify use of required design mix.	- P	ACI 318: Ch. 4, 5.2 — 5.4, IBC 1904.2, 1910.2, 1910.3
3. Sampling fresh concrete from concrete discharge. Mold one set of specimens for compressive strength testing for each 150 cubic yards or each 5,000 square feet of slab or wall surface area for each mix design placed in any one day. No fewer than five tests for a given class of concrete for the entire project. <ol style="list-style-type: none"> Mold (5) 4x8-inch compressive strength cylinders, break and report (1) at 7-days, (3) at 28-days, or mold (4) 6x12-inch compressive strength cylinders, break and report (1) at 7-days, (2) at 28-days. Remaining specimen(s) shall be broken as directed by the Structural Engineer. If compressive strengths do not appear adequate. For each set molded, record: <ol style="list-style-type: none"> Slump Air Content Unit Weight Temperature, ambient and concrete Batch and discharge times Location and placement Any pertinent information, such as addition of water, addition of admixtures, etc. Verify compliance with construction documents 	C -	ACI 318: 5.6, 5.8 ACI (5.a, 5b.i, ii, iii, iv, v, vi), SDG (5b.vii, 5.c, 5.d) ASTM C 172, ASTM C 31
4. Inspection for maintenance of specified curing temperature and techniques.	- P	ACI 318: 5.11 — 5.13

STRUCTURAL STEEL	Inspection Frequency	Remarks
1. Inspection of steel framing to verify compliance with details shown on the approved construction documents including member locations, bracing, stiffening application of joint details at each connection, proper fasteners, etc.	- P	-
2. Verify material identification markings and manufacture certificates/test reports conform to material standards in construction documents for: <ol style="list-style-type: none"> Structural steel Weld filler material 	- P	-
3. Inspection of high strength Bolts <ol style="list-style-type: none"> Snug-tight joints. 	- P	Visually inspect. Verify that the connected plies are drawn into firm contact. Torque test (180 ft-lb) a minimum of 10% bolted connections.
4. Inspection of welds shall be in accordance with AWS D1.1. <ol style="list-style-type: none"> Verify welder certification. Conduct welder's qualifications on site. Plug and slot welds. Single-pass fillet welds less than or equal to 5/16". 	- C - P	Review and verify compliance of written welding procedures with AWS requirements and that welding procedures are being adhered to during field welding.

CONTRACTOR RESPONSIBILITIES

- Contractor shall pay for any additional structural testing/inspection required for work or materials not complying with the Construction Documents due to negligence or nonconformance and shall pay for any additional structural testing/inspection required for his convenience.
 - Contractor is responsible to ensure that the Special Inspector is on site as required to perform all tasks required by Statement of Special Inspection. Any work that requires special inspection and is performed without the Special Inspector being present is subject to being demolished and reconstructed.
 - Contractor has the following responsibilities to the Special Inspector:
 - Provide copy of Construction Documents to Special Inspector and latest addenda (include change orders and field orders prior to inspection of work contained therein).
 - Notify Special Inspector sufficiently in advance of operations to allow assignment of personnel and scheduling of tests.
 - Cooperate with Special Inspector and provide access to work.
 - Provide samples of materials to be tested in required quantities.
 - Provide storage space for Special Inspector's exclusive use, such as for storing and curing concrete testing samples.
 - Provide labor to assist Special Inspector in performing tests/inspections.
 - Contractor shall perform the following:
 - CAST-IN-PLACE CONCRETE
 - Establish concrete mix design proportions in accordance with the specifications and ACI 318, Chapter 5.
- Submit manufacturer's certification that concrete materials meet the requirements of the Construction Documents.

DRAWING INDEX

SHEET NUMBER	SHEET NAME
S-001	Structural Notes, Structural Quality Assurance Plan & Drawing Index
S-101A	Morgantown - Foundation Plan
S-201A	Morgantown - Roof Framing Plan
S-101B	McLaurin - Foundation Plan
S-201B	McLaurin - Roof Framing Plan
S-201C	Susie B. West Elementary - Roof Framing Plan
S-301	Framing Sections & Details
S-302	Framing Sections & Details

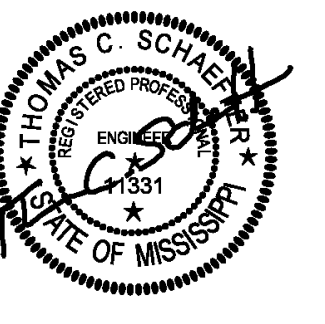
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Natchez Adams School District ESSER 3

Morgantown Elementary: Cottage Home Drive, Natchez, MS 39120

100%
Construction
Documents

Project No 21052
Date Nov 11, 2022
Revisions Rev Date
Drawn S.T.
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Natchez Adams School District ESSER 3
Morgantown Elementary: Cottage Home Drive, Natchez, MS 39120

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Documents

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1 Morgantown - Foundation Plan

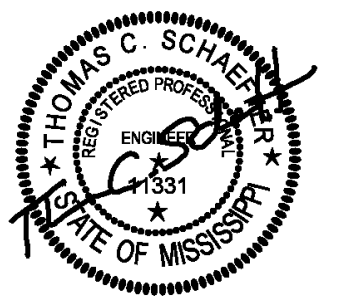


Consulting Structural Engineers
220 Great Circle Road, Suite 106
Nashville, Tennessee 37228
p 615.255.5537
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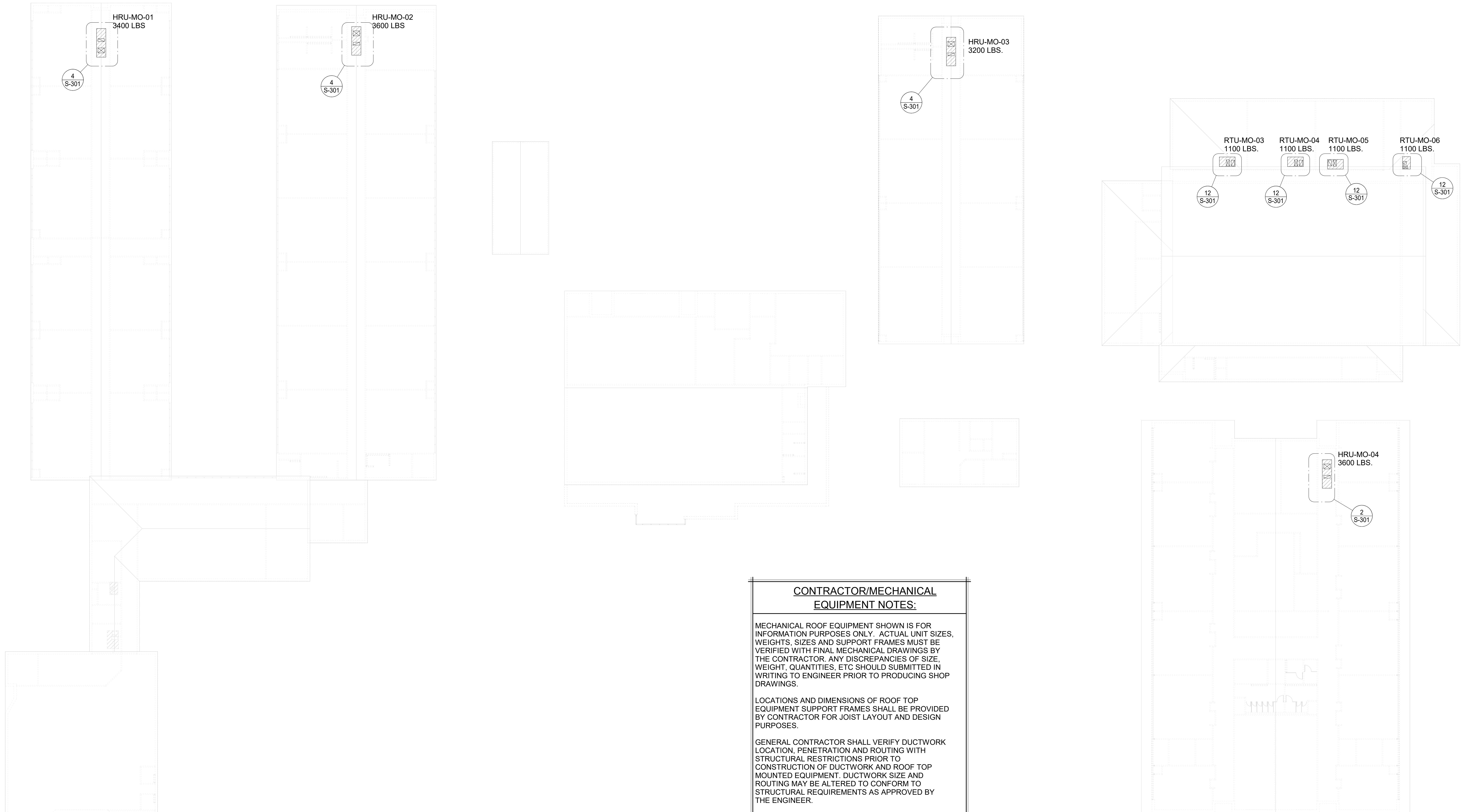
SDG Project No. 2022-341.00
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S-101A

Morgantown - Foundation
Plan



Project No	21052
Date	Nov 11, 2022
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CONTRACTOR/MECHANICAL EQUIPMENT NOTES:

MECHANICAL ROOF EQUIPMENT SHOWN IS FOR INFORMATION PURPOSES ONLY. ACTUAL UNIT SIZES, WEIGHTS, SIZES AND SUPPORT FRAMES MUST BE VERIFIED WITH FINAL MECHANICAL DRAWINGS BY THE CONTRACTOR. ANY DISCREPANCIES OF SIZE, WEIGHT, QUANTITIES, ETC SHOULD SUBMITTED IN WRITING TO ENGINEER PRIOR TO PRODUCING SHOP DRAWINGS.

LOCATIONS AND DIMENSIONS OF ROOF TOP EQUIPMENT SUPPORT FRAMES SHALL BE PROVIDED BY CONTRACTOR FOR JOIST LAYOUT AND DESIGN PURPOSES.

GENERAL CONTRACTOR SHALL VERIFY DUCTWORK LOCATION, PENETRATION AND ROUTING WITH STRUCTURAL RESTRICTIONS PRIOR TO CONSTRUCTION OF DUCTWORK AND ROOF TOP MOUNTED EQUIPMENT. DUCTWORK SIZE AND ROUTING MAY BE ALTERED TO CONFORM TO STRUCTURAL REQUIREMENTS AS APPROVED BY THE ENGINEER.

ALL ROOF AND WALL OPENINGS AND ROOF FLASHING SHALL BE PROVIDED AND INSTALLED BY THE GENERAL/ROOFING CONTRACTOR. COORDINATE SIZE AND LOCATION OF SUCH WITH THE MECHANICAL HVAC AND PLUMBING CONTRACTOR. PROVIDE SUBSTANTIAL STEEL FRAMING (ANGLE / CHANNEL) MEMBERS AROUND THE PERIMETER OF ALL OPENINGS TO STABILIZE AND SUPPORT EQUIPMENT, ETC.

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1 Morgantown - Roof Framing Pan



1 McLaurin - Lower Level Foundation Plan



Natchez Adams School District ESSER 3
McLaurin Elementary: 170 Sgt Prentiss Dr., Natchez, MS 39120

100%
Construction
Documents

Project No	21052
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1 McLaurin - Roof Framing Plan

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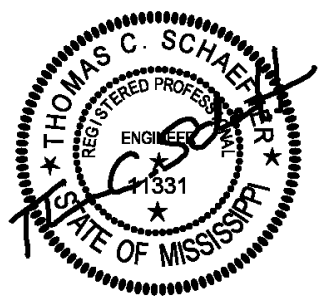
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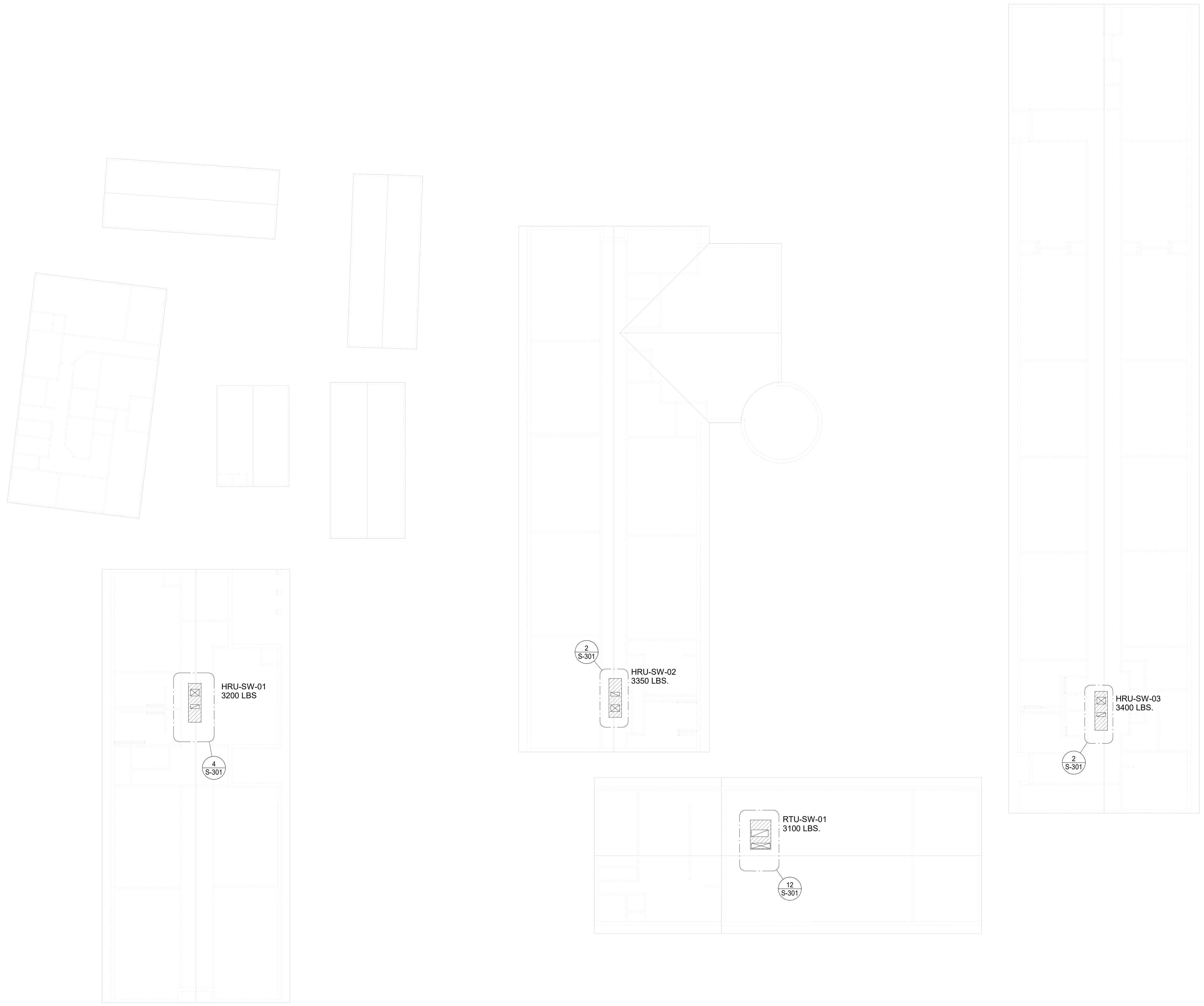


Natchez Adams School District ESSER 3

Susie B. West Elementary: 161 Lewis Dr, Natchez, MS 39120

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Construction
Documents

Project No	21052
Date	Nov. 11, 2022
Revisions	Rev Date
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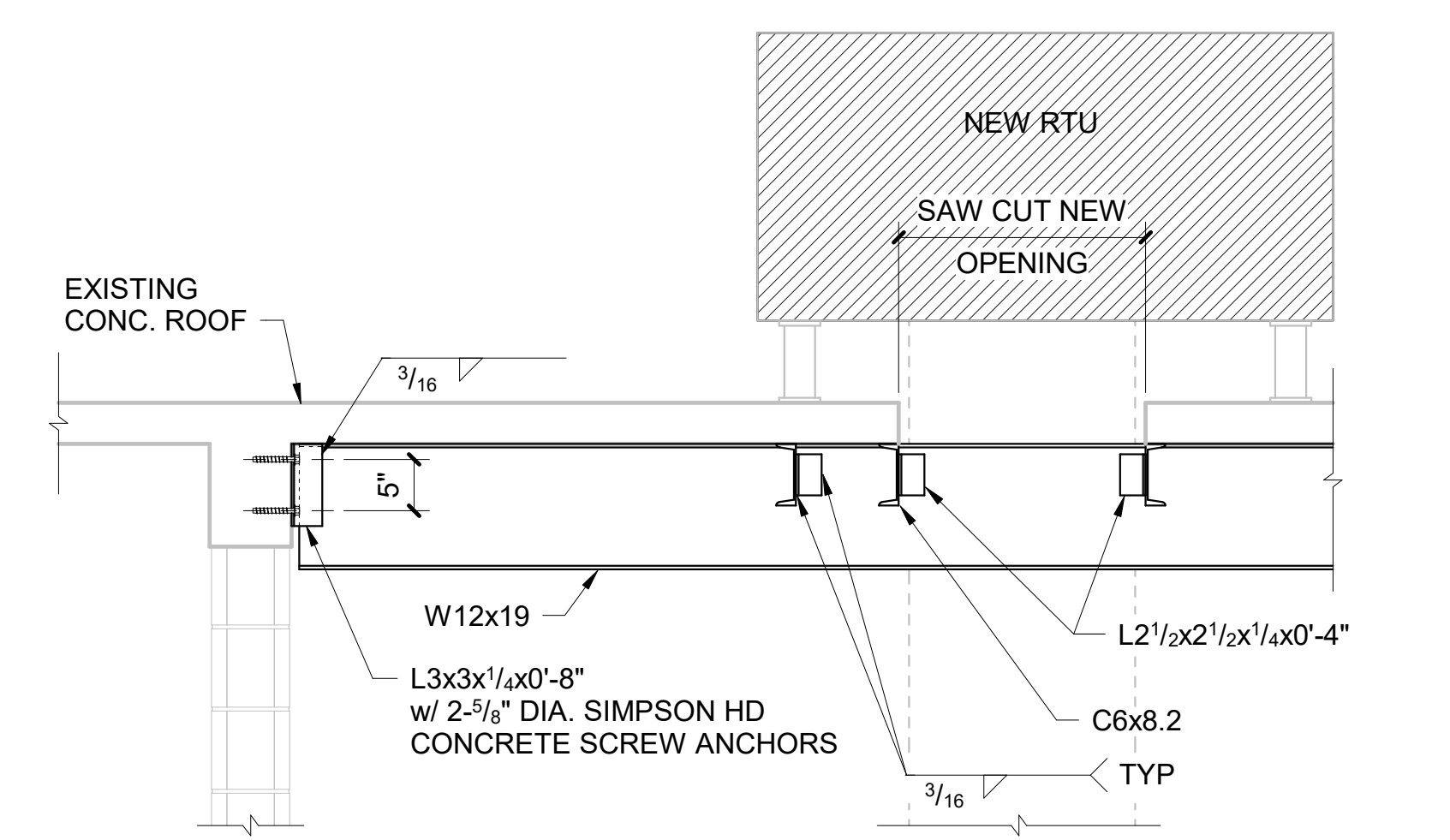
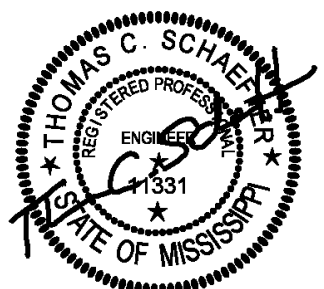
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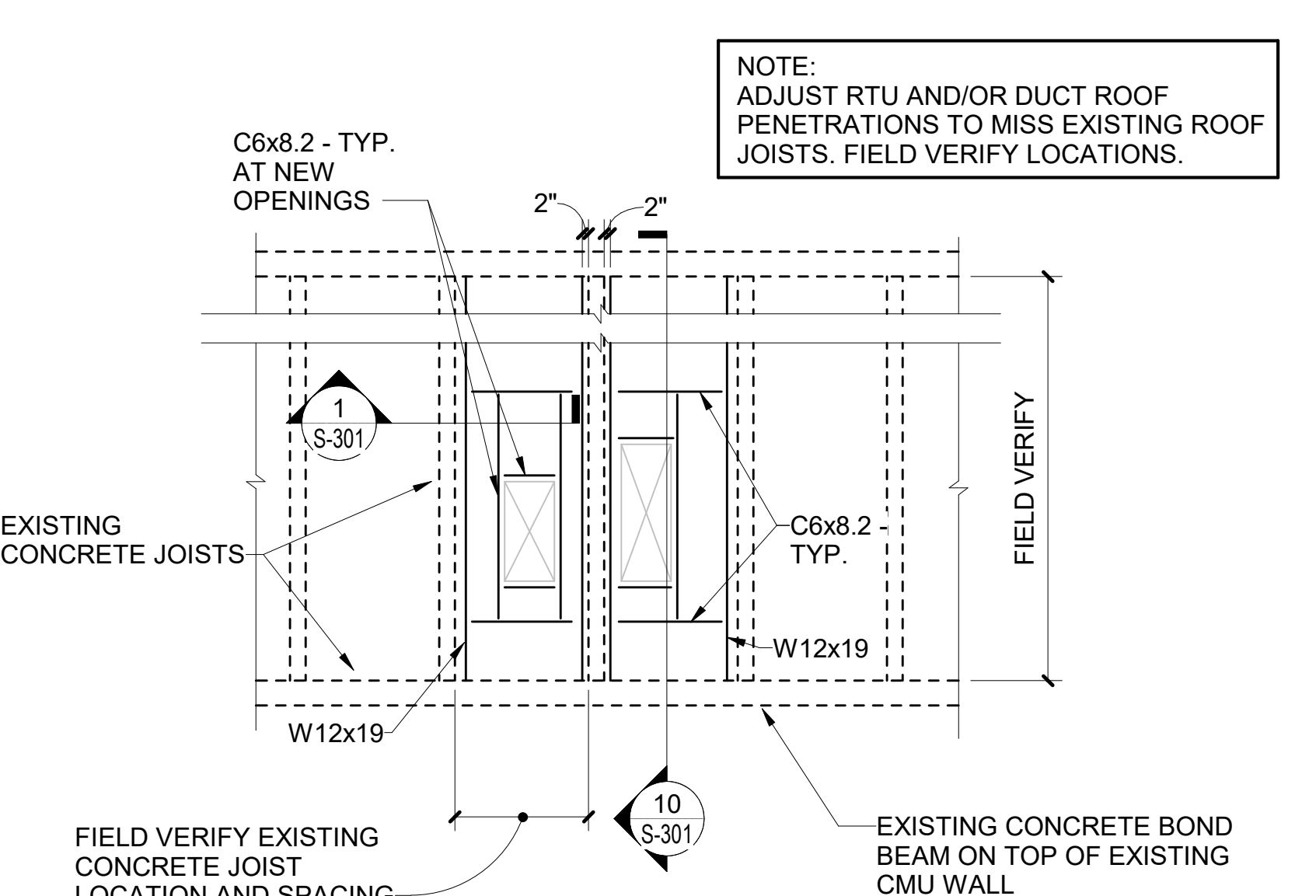
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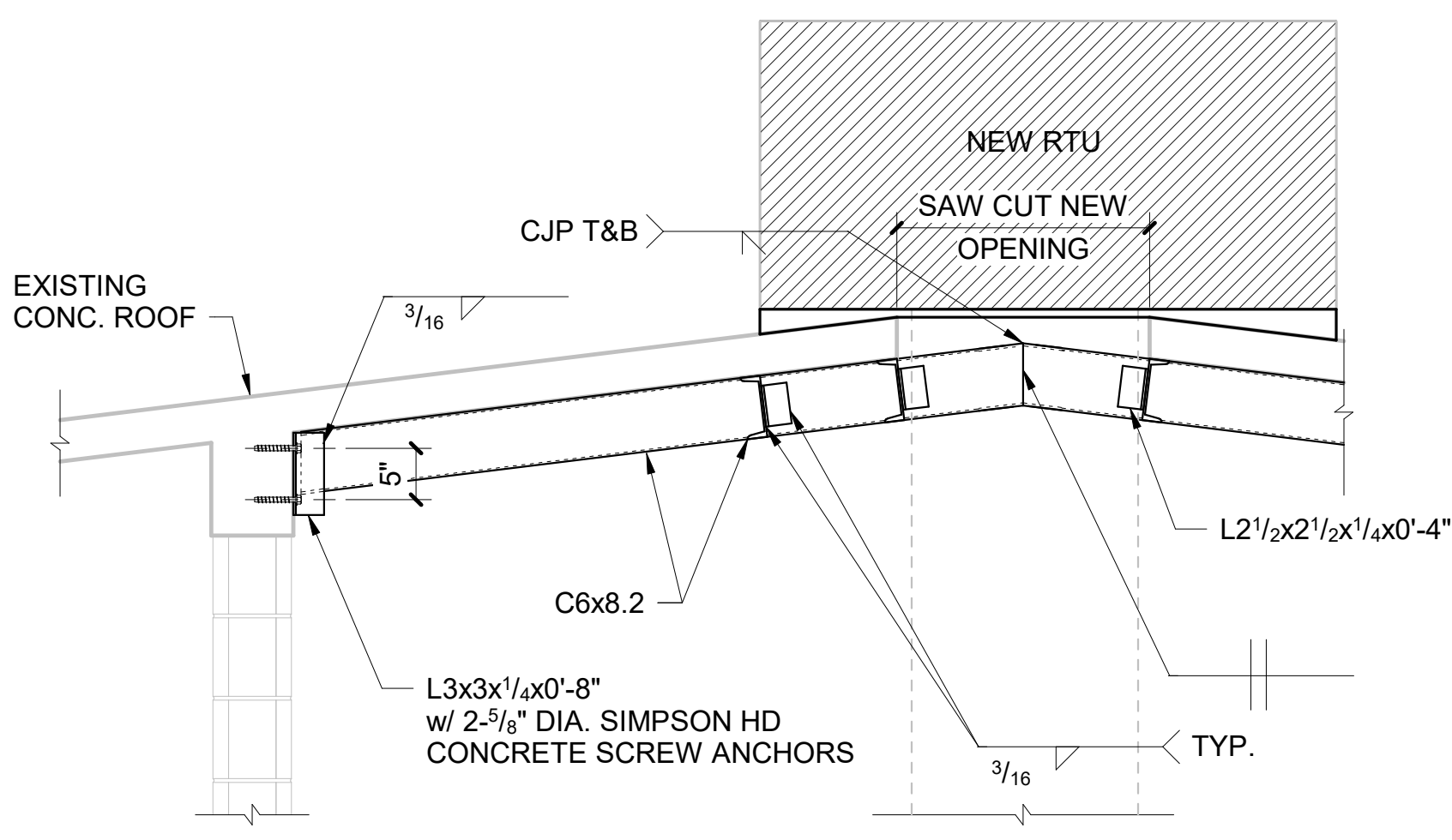
1 Susie B. West Elementary - Roof Framing Plan



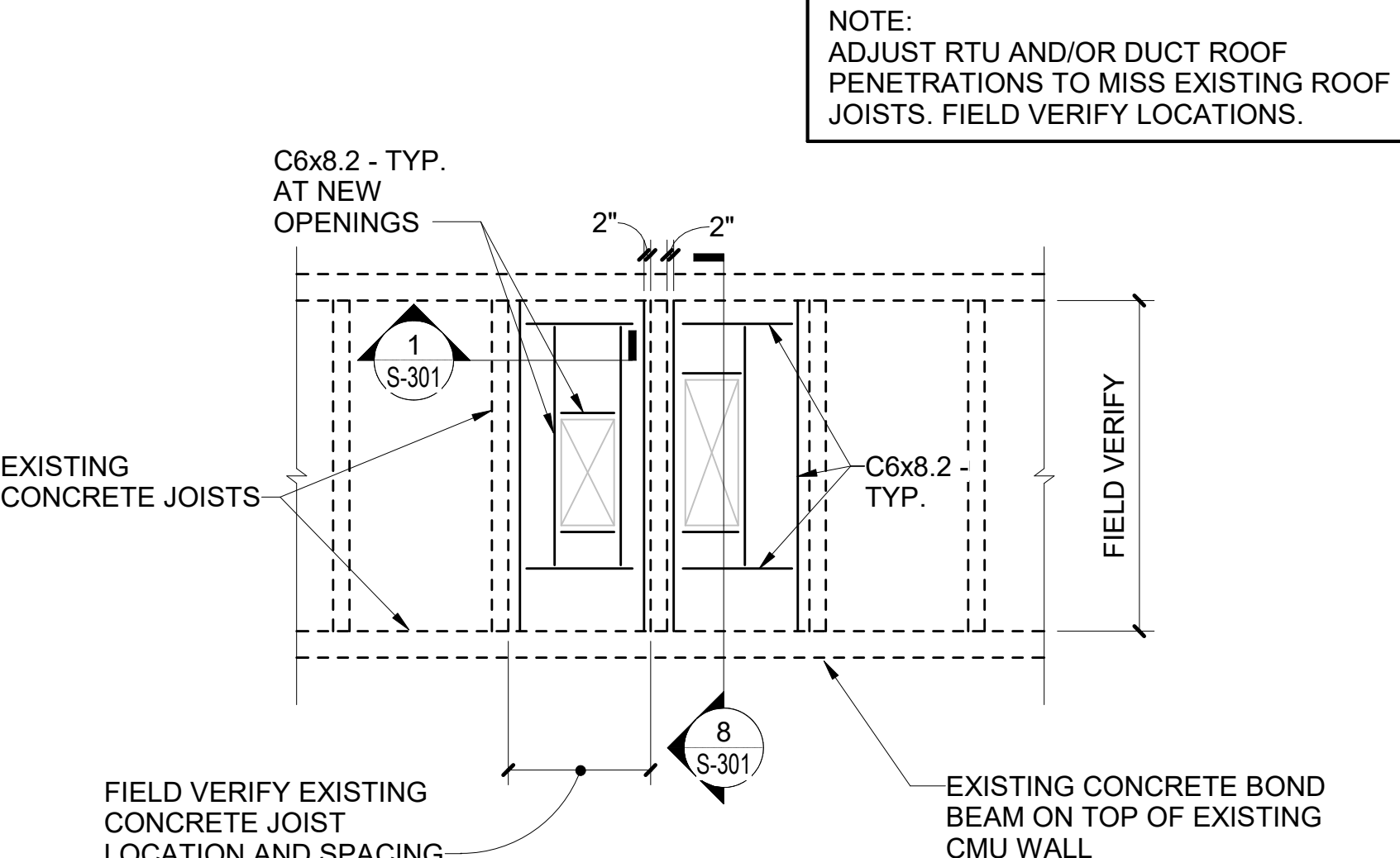
10 SECTION AT EXISTING ROOF FRAMING AT NEW RTU OPENING



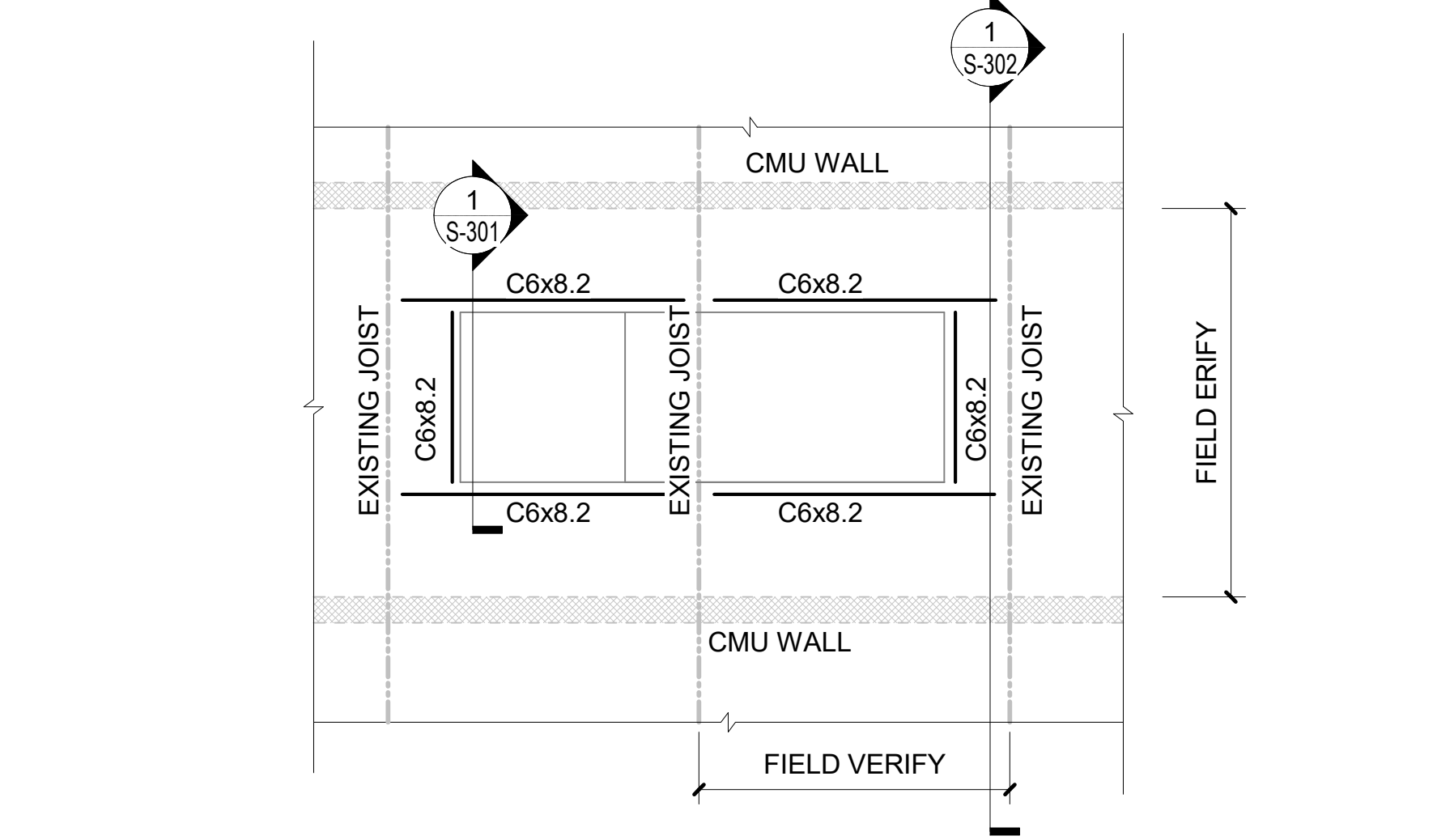
9 PLAN DETAIL AT EXISTING ROOF WITH CONCRETE BEAMS AND SLABS



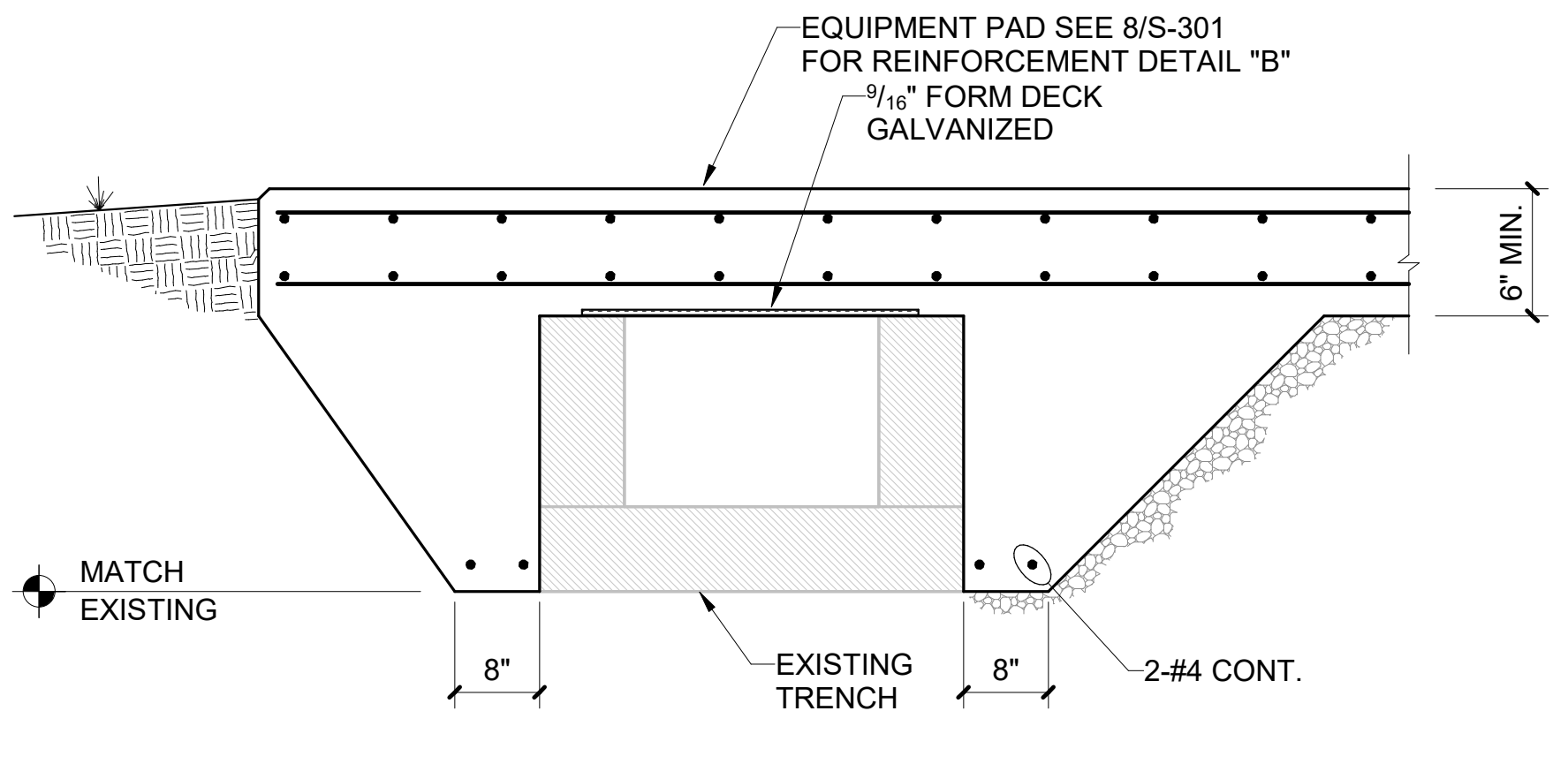
8 SECTION AT EXISTING ROOF FRAMING AT NEW RTU OPENING



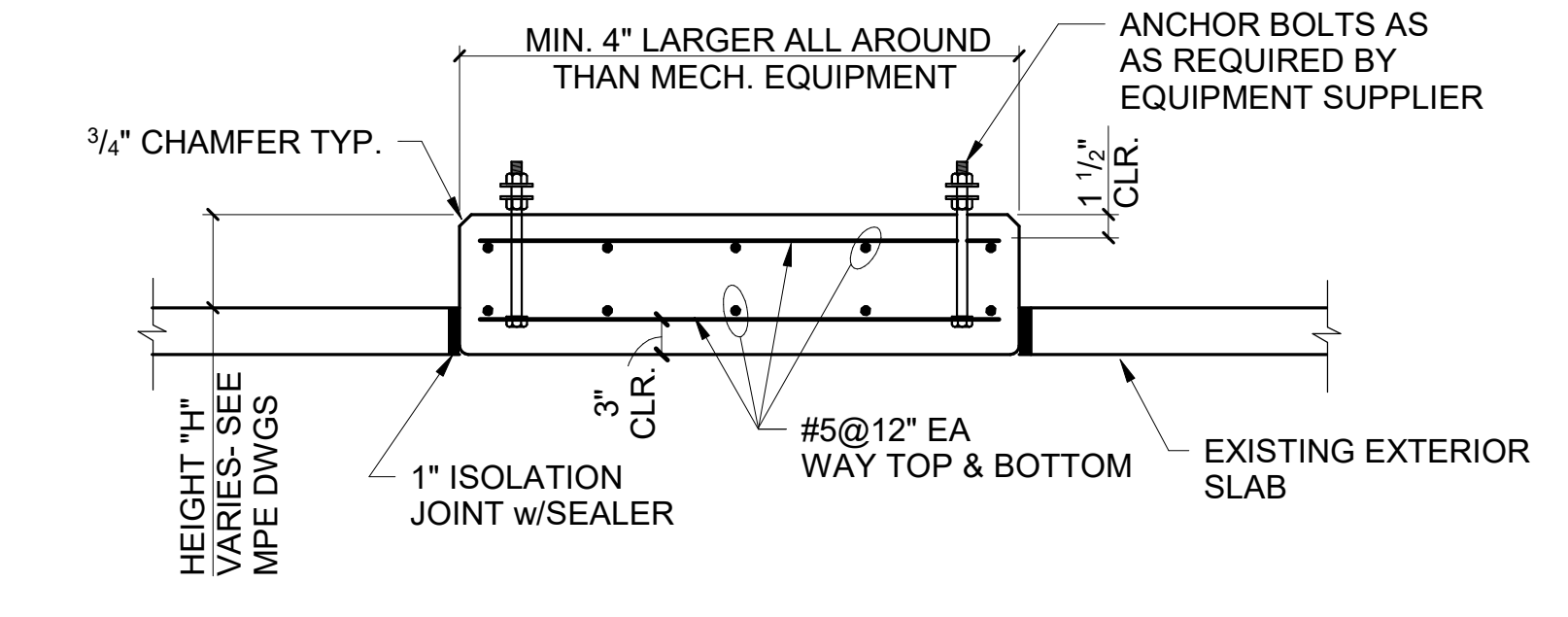
7 PLAN DETAIL AT EXISTING ROOF WITH CONCRETE BEAMS AND SLAB



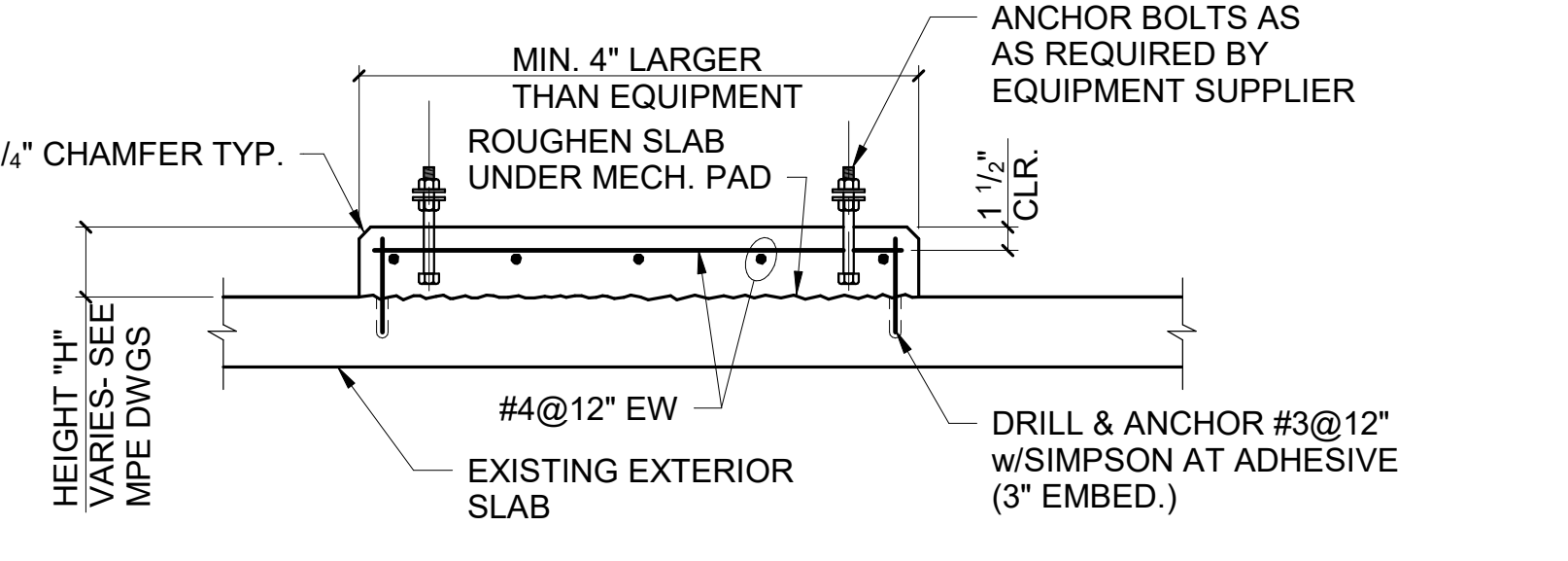
12 PLAN DETAIL AT EXISTING ROOF STRUCTURE WITH STEEL JOIST



11 SECTION AT TRENCH DRAIN



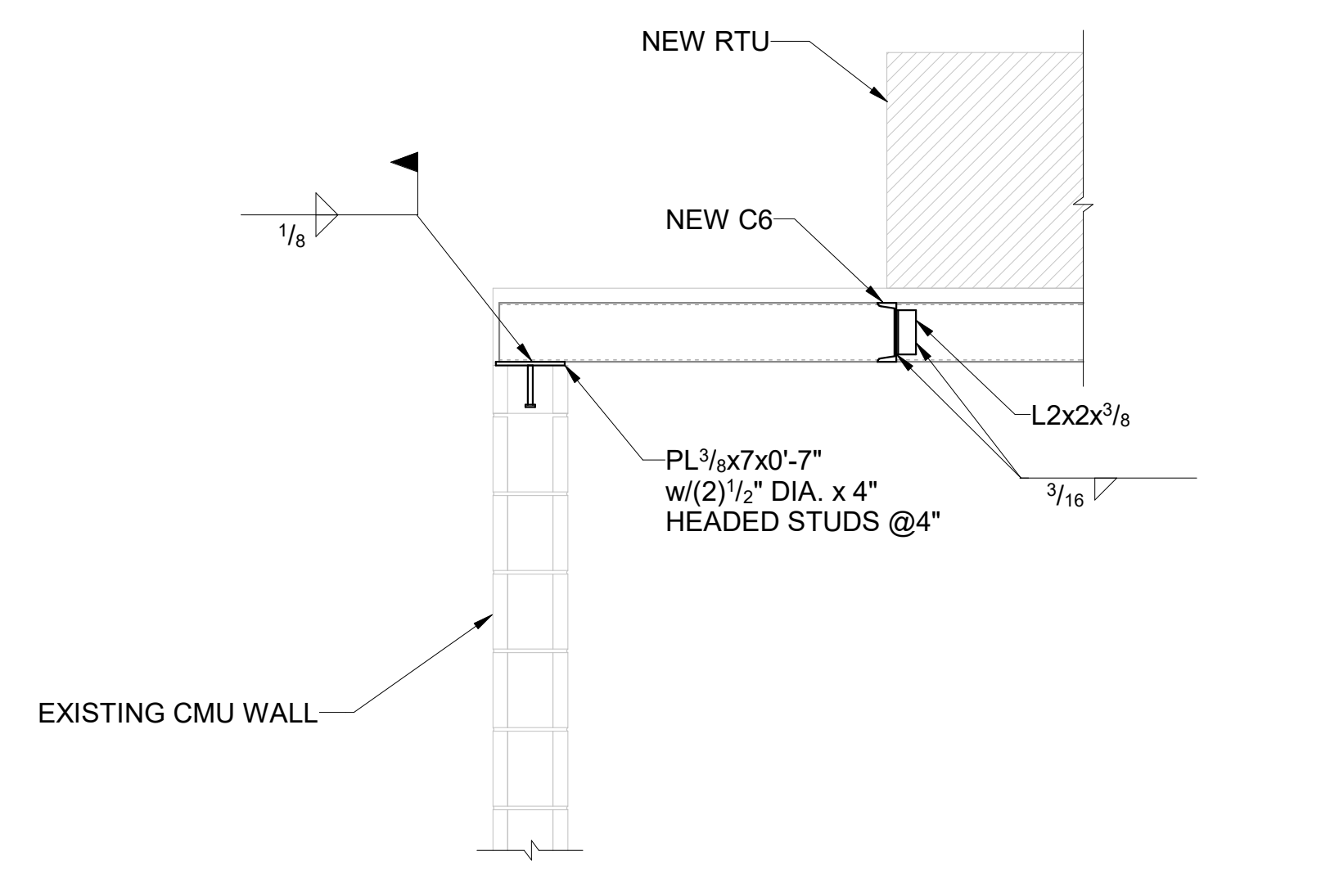
DETAIL "B"



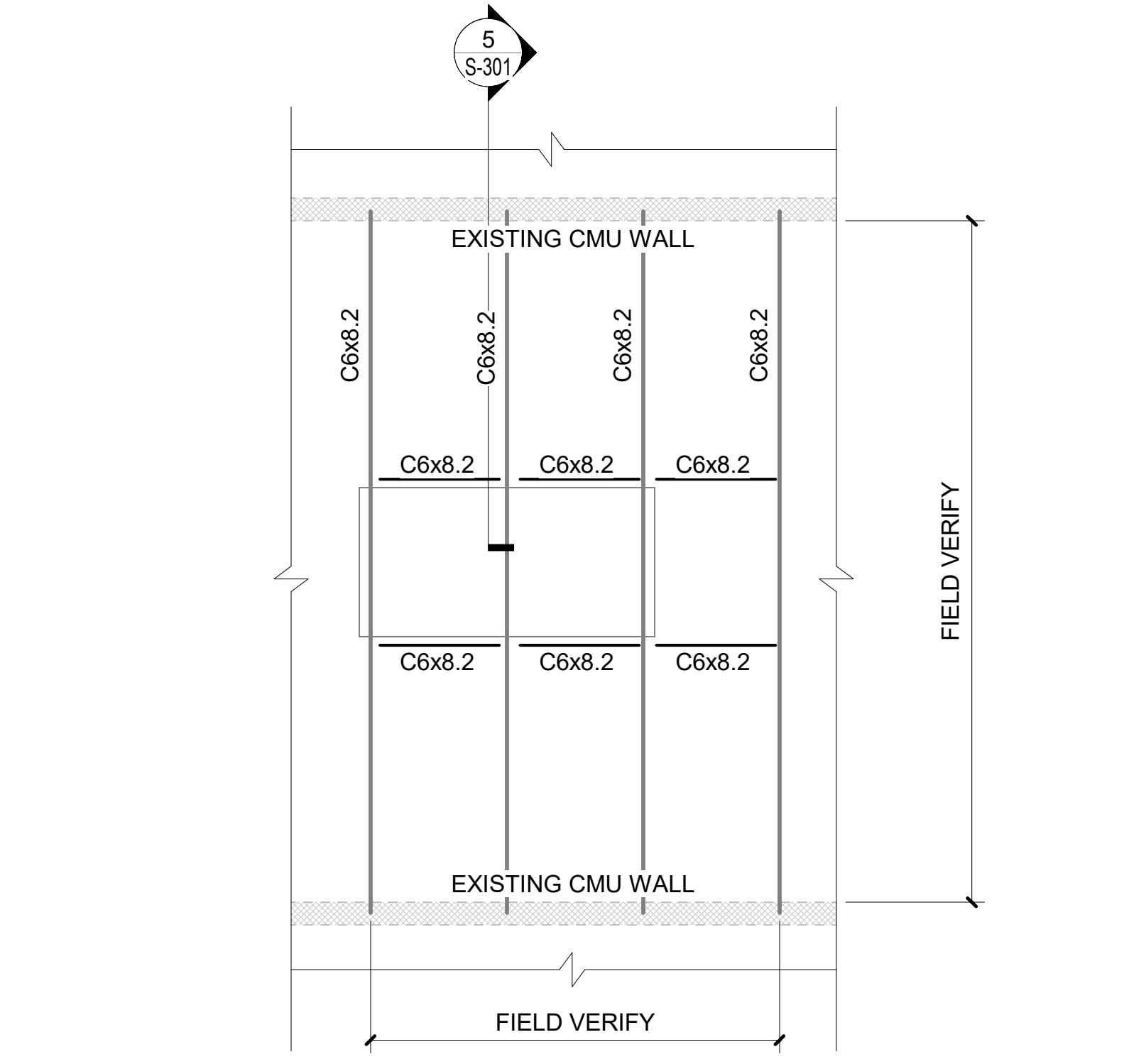
DETAIL "A"

- NOTES:
- PAD AND CURB DETAILS DEPICTED ABOVE SHALL APPLY UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS. THE HEIGHT "H" OF MECHANICAL EQUIPMENT PADS SHALL BE COORDINATED WITH THE MPE DRAWINGS.
 - THE CONTRACTOR SHALL PROVIDE CONCRETE PADS ADEQUATE FOR THE SUPPORT OF THE MPE EQUIPMENT. EXACT SIZES, LOCATIONS, HEIGHTS, AND ANY SPECIAL DETAILS FOR THE PADS SHALL BE OBTAINED FROM THE VENDORS BEFORE INSTALLATION OF THE PADS. PADS SHALL BE INSTALLED IN ACCORDANCE WITH THE EQUIPMENT STANDARDS. ALL EMBEDDED ITEMS SHALL BE COORDINATED WITH THE EQUIPMENT SUPPLIER. THE PADS SHALL RECEIVE A SMOOTH TROWELED FINISH.
 - DETAIL "A" -- FOR USE UNDER ALL EQUIPMENT SUPPORTED ON SLABS-ON-GROUND.
 - DETAIL "B" -- FOR USE UNDER ALL EQUIPMENT WEIGHING OVER 2000 POUNDS SUPPORTED ON SLABS-ON-GROUND (ISOLATED).

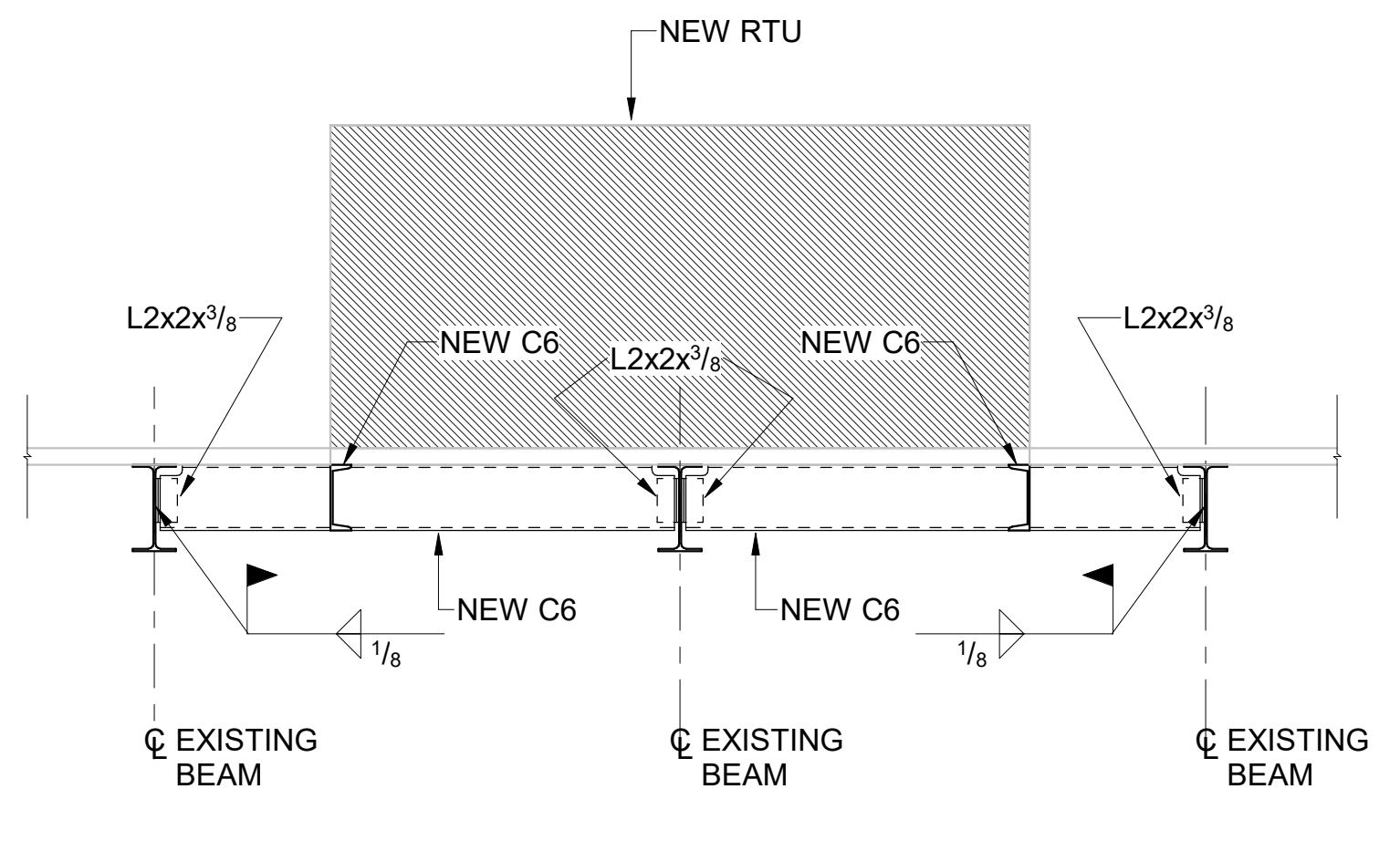
6 MECHANICAL PAD DETAILS



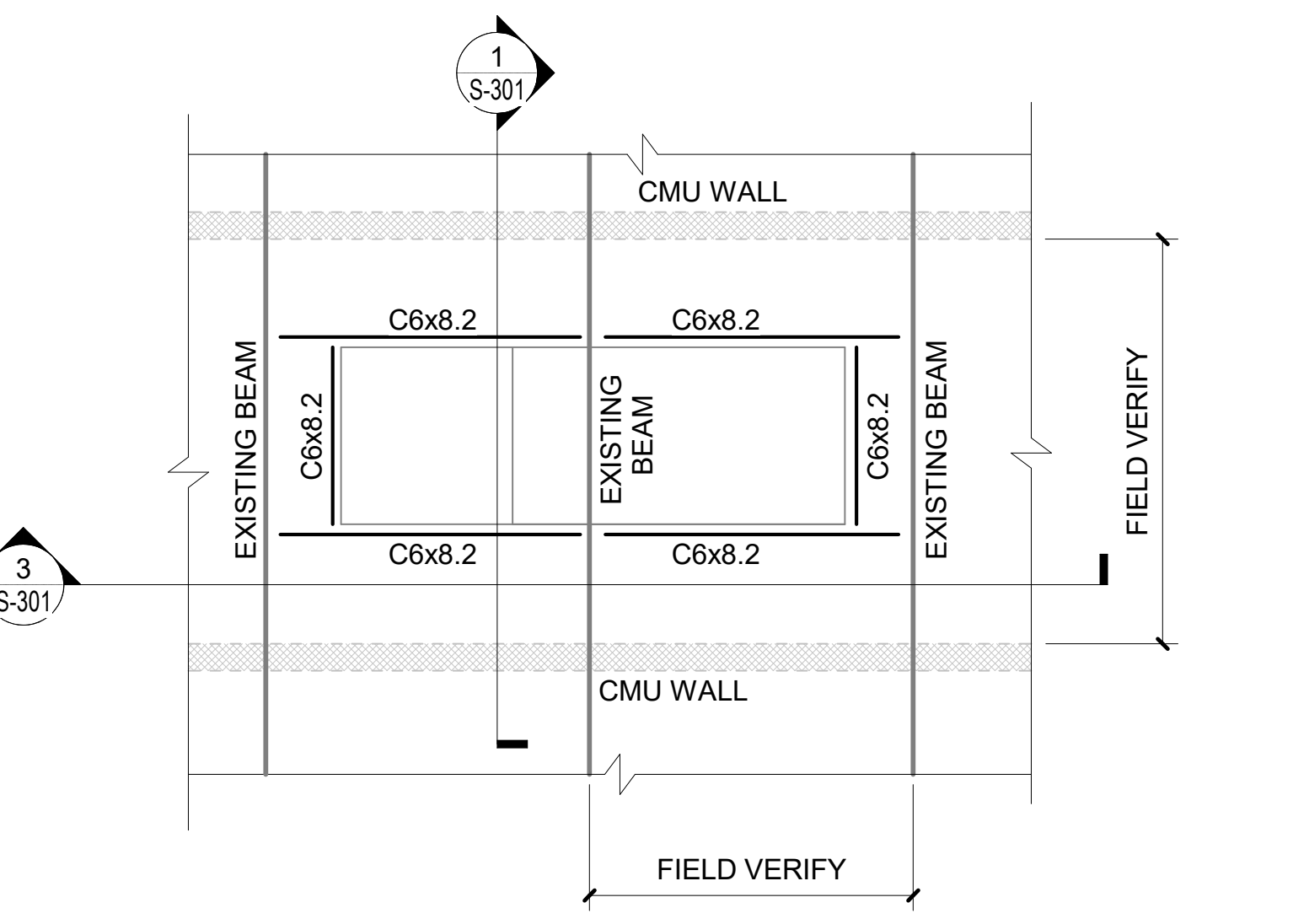
5 DETAIL AT NEW FRAMED OPENING ON EXISTING ROOF



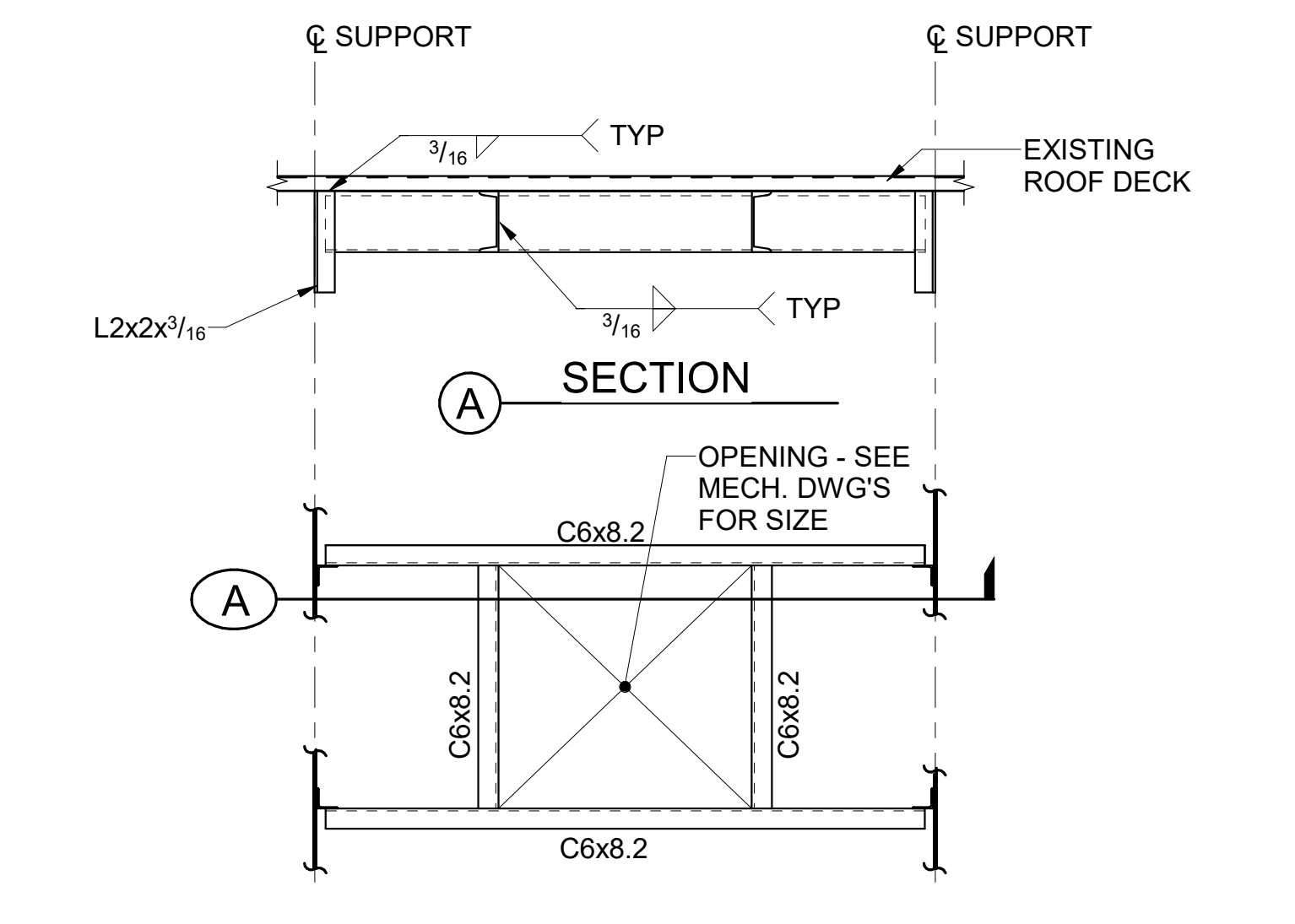
4 PLAN DETAIL AT EXISTING ROOF STRUCTURE



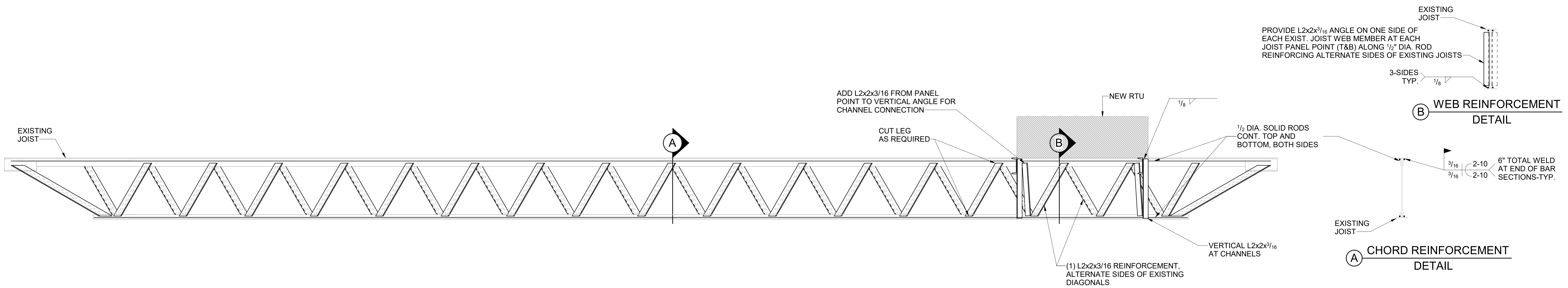
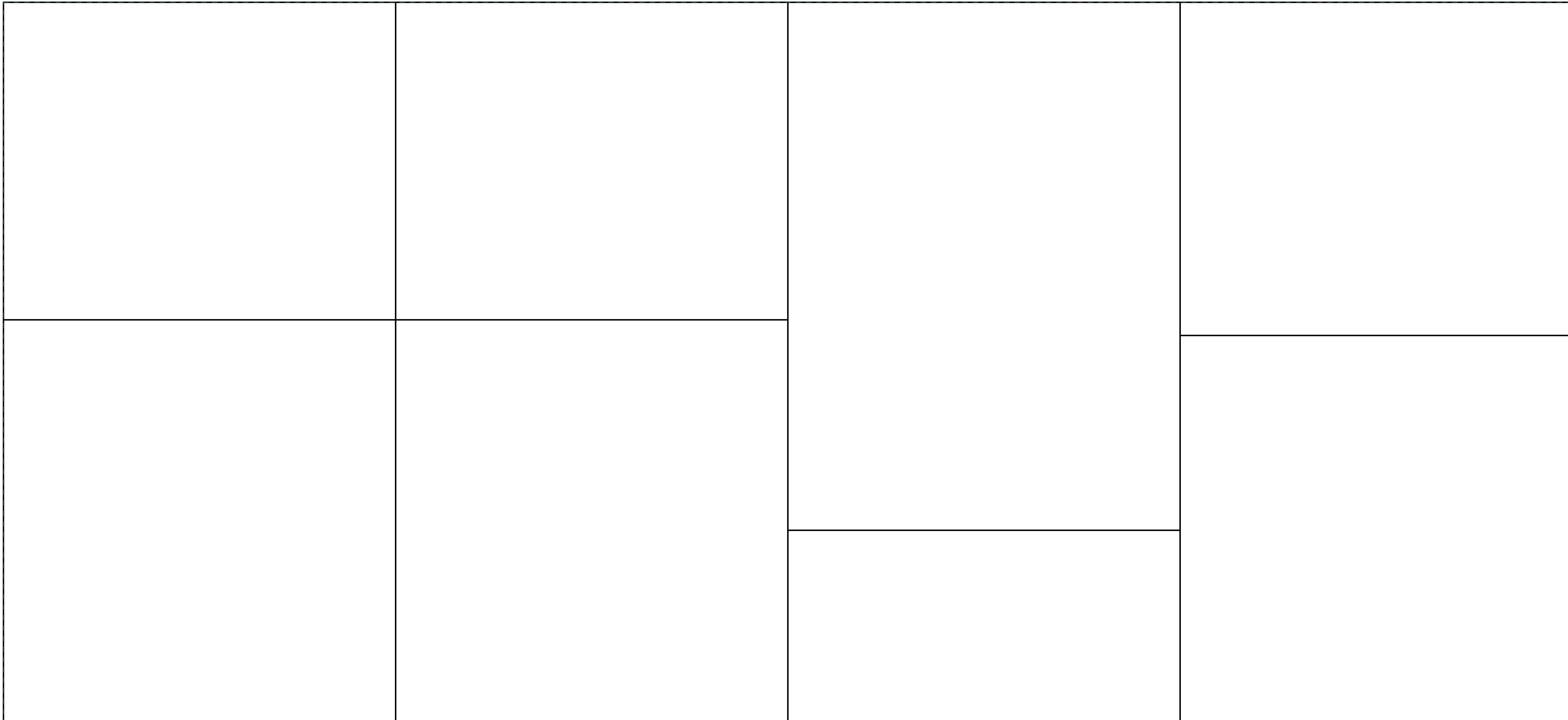
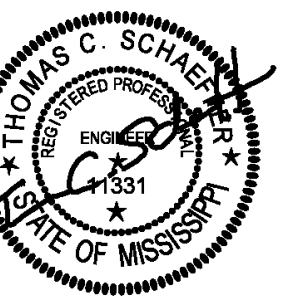
3 DETAIL FOR NEW FRAME OPENING ON EXISTING ROOF



2 PLAN DETAIL AT EXISTING ROOF STRUCTURE WITH STEEL BEAMS



1 ROOF OPENING CHANNEL FRAME



1 JOIST REINFORCING DETAIL

Structural Design Group
Consulting Structural Engineers
220 Great Circle Road, Suite 106
Nashville, Tennessee 37228
p. 615.255.5537
www.sdg-structure.com
SDG Project No. 2022-341.00
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11/11/2022 1:57:41 PM C:\Users\seam\Documents\SDG_2022-341_Morgantown_R22_Central_SteelThornlike_SDG.rvt

All School's Specific Notes

- 22 42 00 002 New fixtures in this toilet room; coordinate with mechanical
- 22 42 00 003 New touchless faucet at sink/cabinet; coordinate with mechanical
- 22 42 00 010 New fixtures cafeteria toilet room; also new touchless fixture on hand wash sink; coordinate with mechanical
- 22 47 13 002 Install single drinking fountain here with bottle filler attachment; coordinate with mechanical & electrical drawings

General Project Notes

1. Wherever fixture indicated to be replaced, include new finish plumbing and standard accessories including pipe insulation, faucets, flush valves, sealant, etc.
2. Notify Architect in writing of any rough in plumbing that is not draining properly or supplying water as needed.
3. Accessories to be replaced only as noted on floor plans.



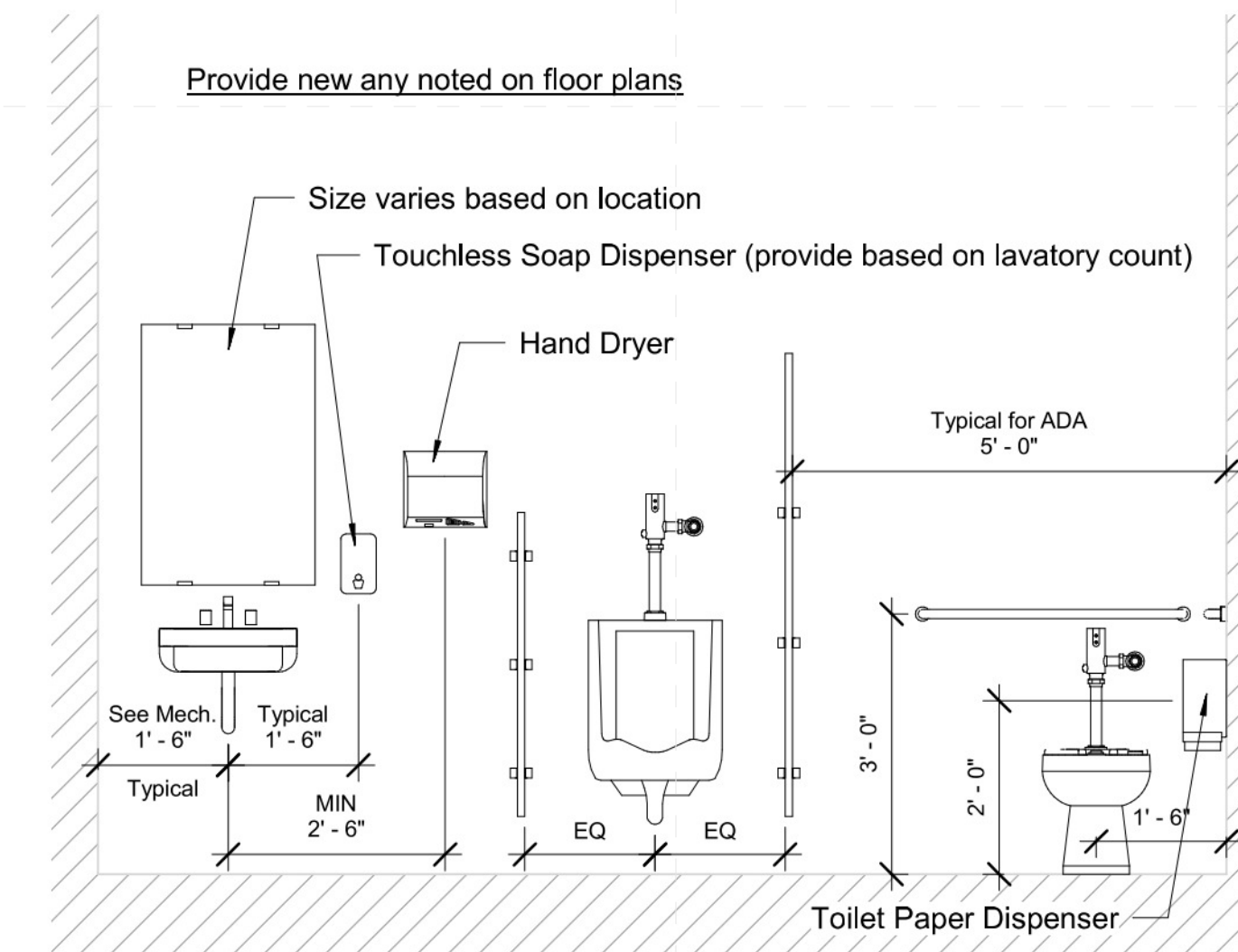
Front of School



Typical Toilet Rm Flr



Typical Toilet Lav Wall



1 Typical Toilet Room Wall
1/2" = 1'-0"



Other Cabinet Lavs



Typical Urinal Style



Typical Toilet Style



Typical Class Sink

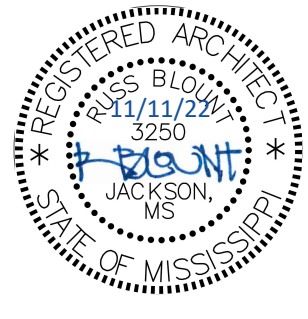
Architects

One Jackson Place 250
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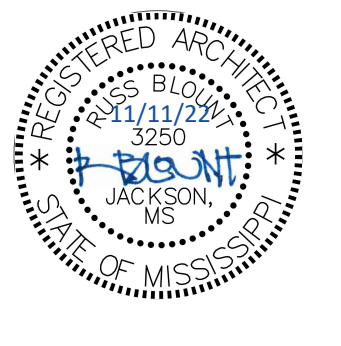
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dalebaileyplans.com



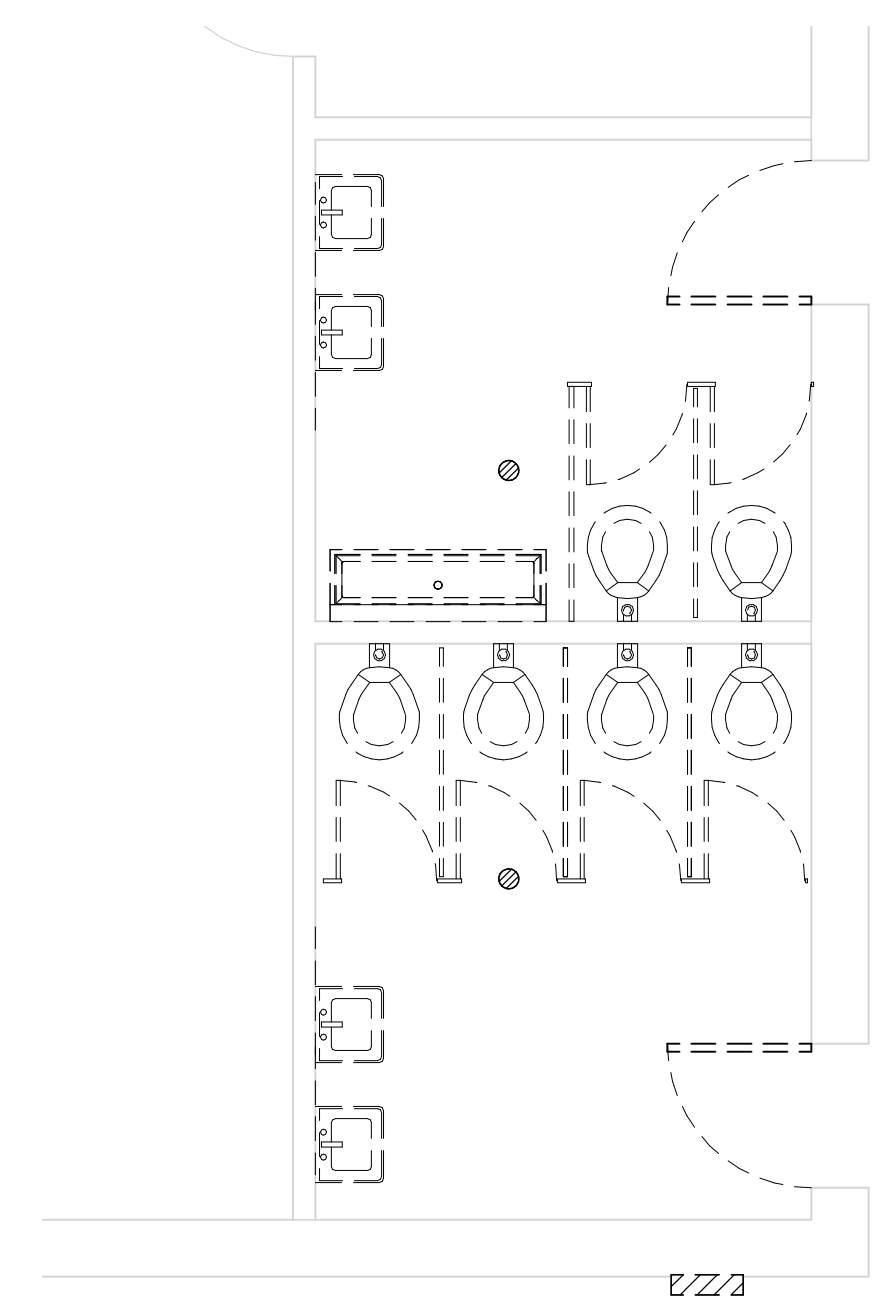
100%
Construction Documents

Project No	21052
Date	Nov. 11, 2022
Drawn	PPU
Checked	RBI
Revision #	Date

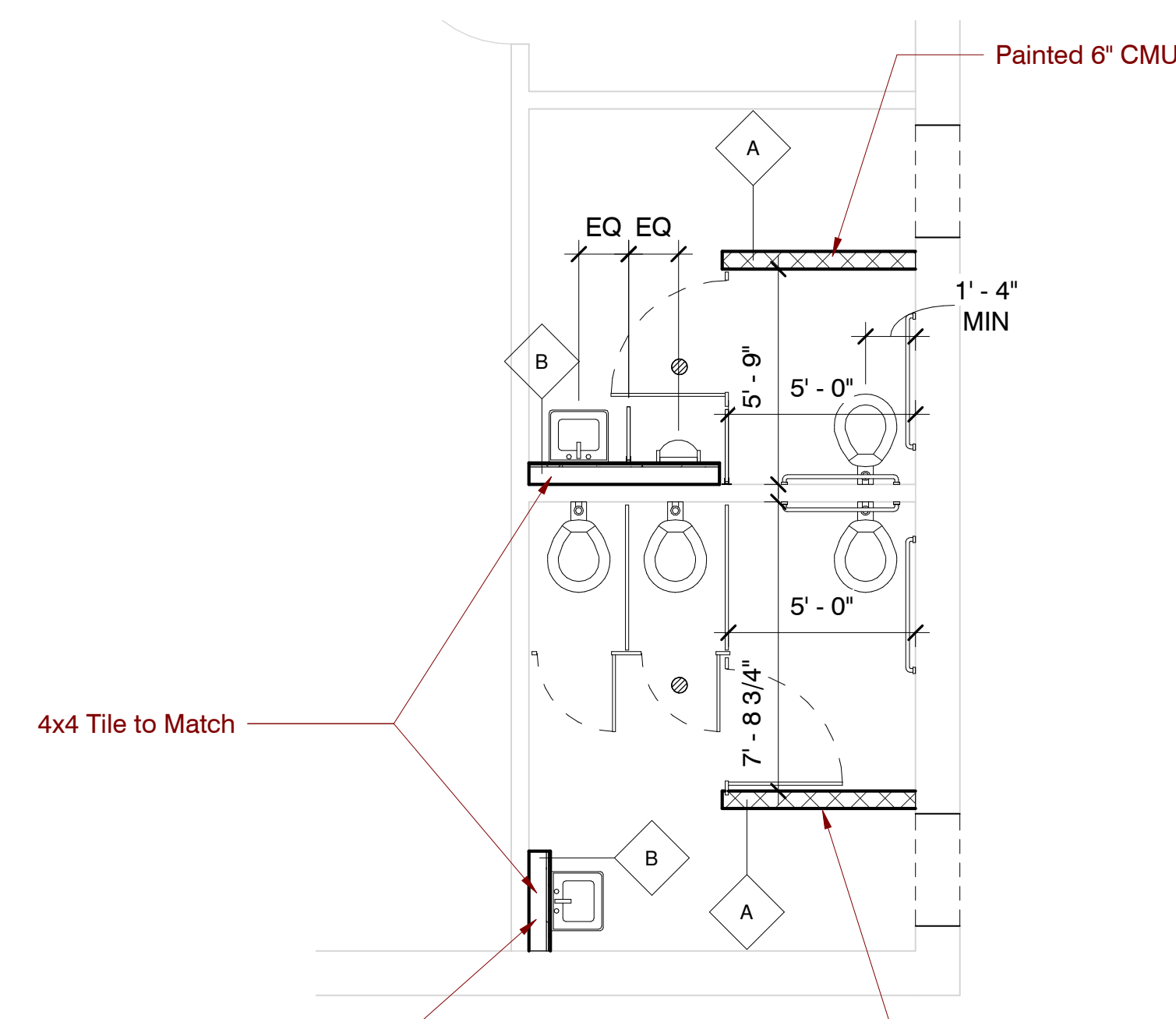


General Notes

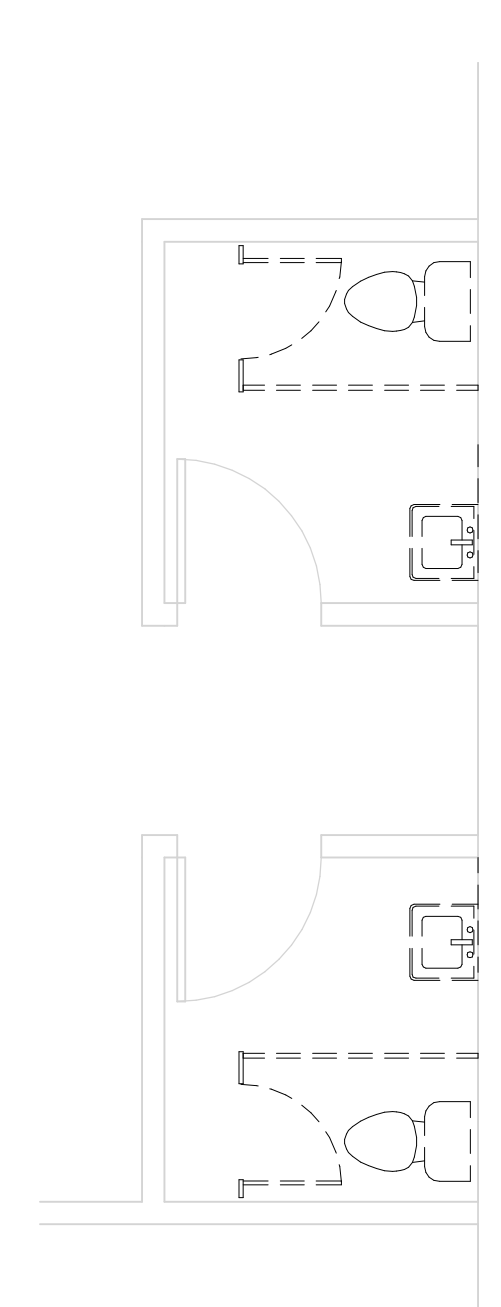
- Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
- Verify all existing conditions. Notify architect of any discrepancies between the existing conditions and these documents. The Contractor is to consider the additional work required by any discrepancies to be included in this Contract.
- Burying or Burning of materials will not be permitted on site.
- Repair any damage caused to building construction identified to remain.
- Refer to other discipline drawings for additional demolition information as noted.
- Schedule with the Owner any demolition that involves exposing to the weather the interior portions of building to remain. This work is to be performed during good, dry weather or temporary waterproof barrier walls shall be constructed at all occurrences where the demolition exposes weather to the interior of portions of buildings to remain.
- Existing loose school property to be the responsibility of the school district, removal of property by owner to be coordinated between the contractor and school district.
- Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
- Where new wall hung fixtures are installed, install new carriers for fixtures as well as a new 6" metal stud wall with tile at all exposed faces for 18" from center of fixture to edge of wall or into perpendicular abutting wall at either side OR as indicated on drawing.
- Where fixtures are indicated to be replaced, include new finish plumbing and standard accessories including pipe insulation, faucets, flush valves, sealant, etc.
- Where new existing pipe is abandoned; cap pipe and paint to matching adjacent color.
- Install new grab bars at all ADA & AMB toilets
- Install moisture resistant back board at all new tile.
- Clean and reseal grout at floor tile.



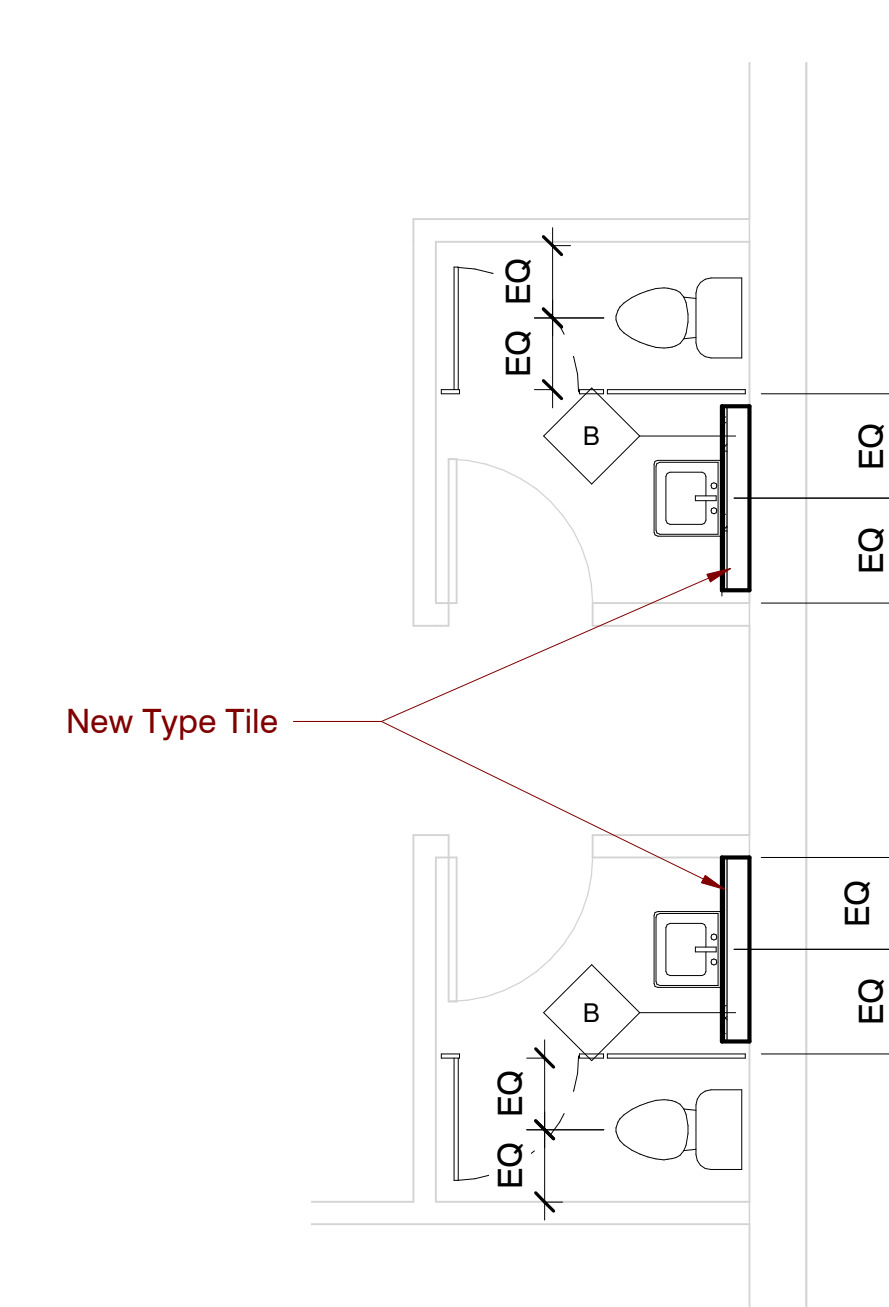
1 Toilets - Cafeteria Demolition
1/4" = 1'-0"



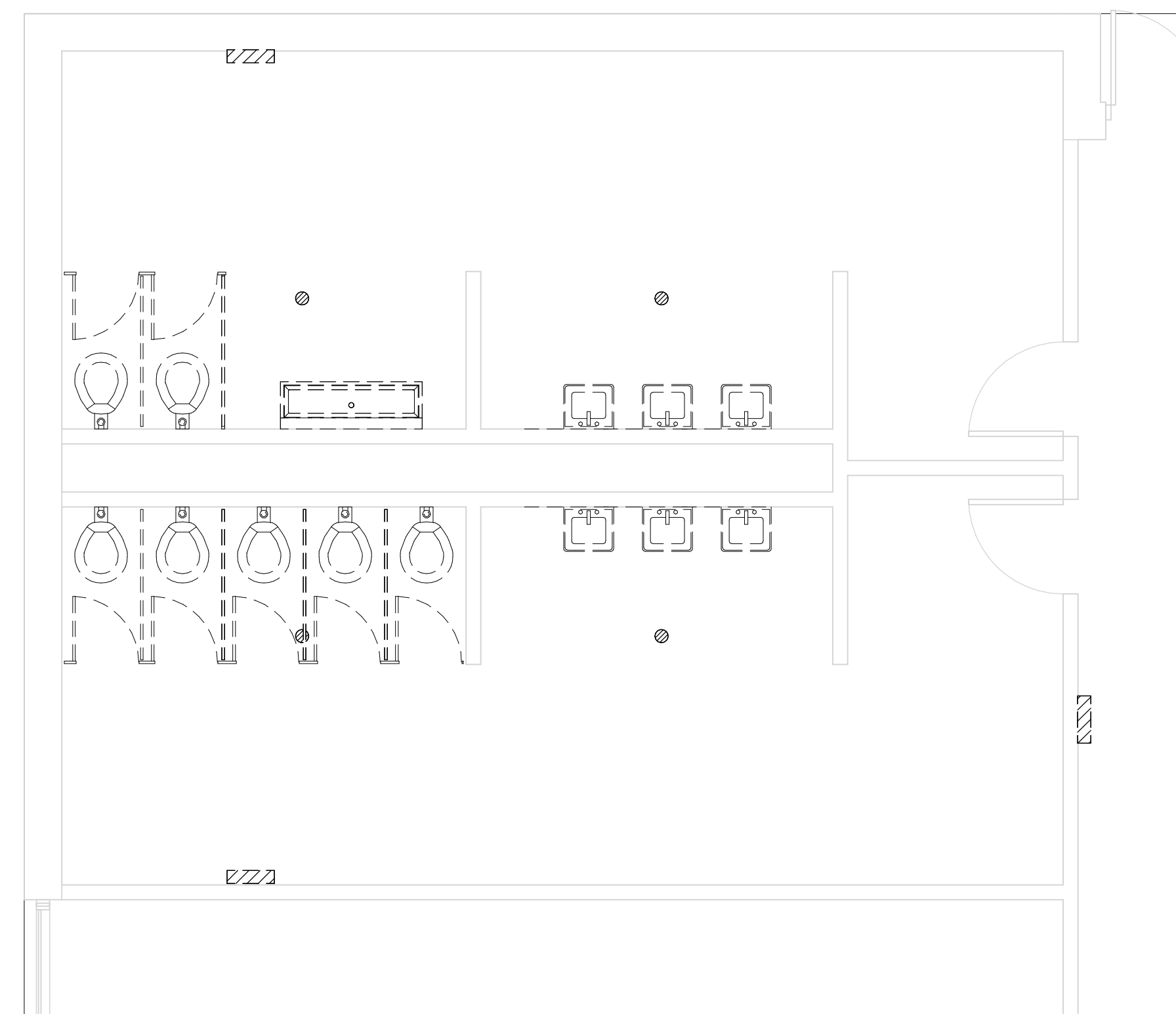
2 Toilets - Cafeteria New
1/4" = 1'-0"



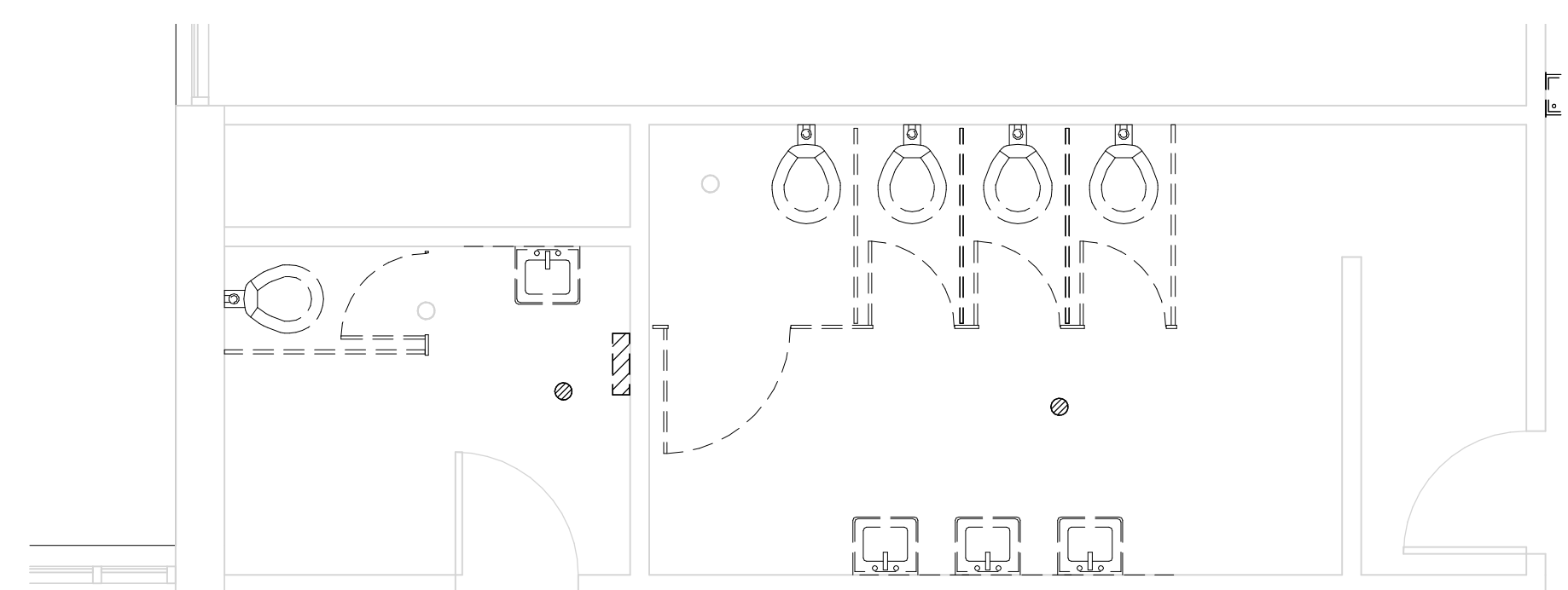
3 Toilets - Library Demolition
1/4" = 1'-0"



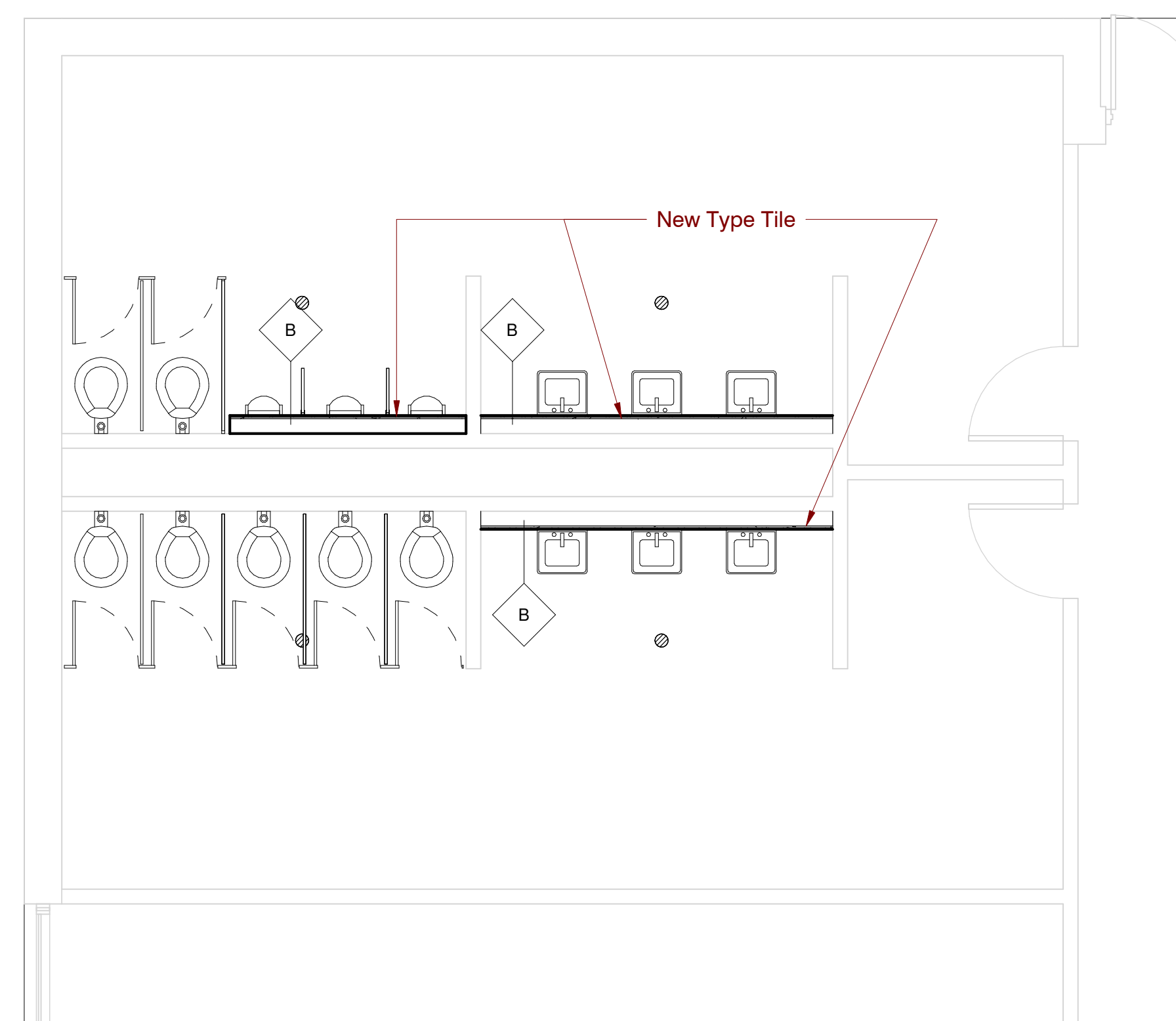
4 Toilets - Library New
1/4" = 1'-0"



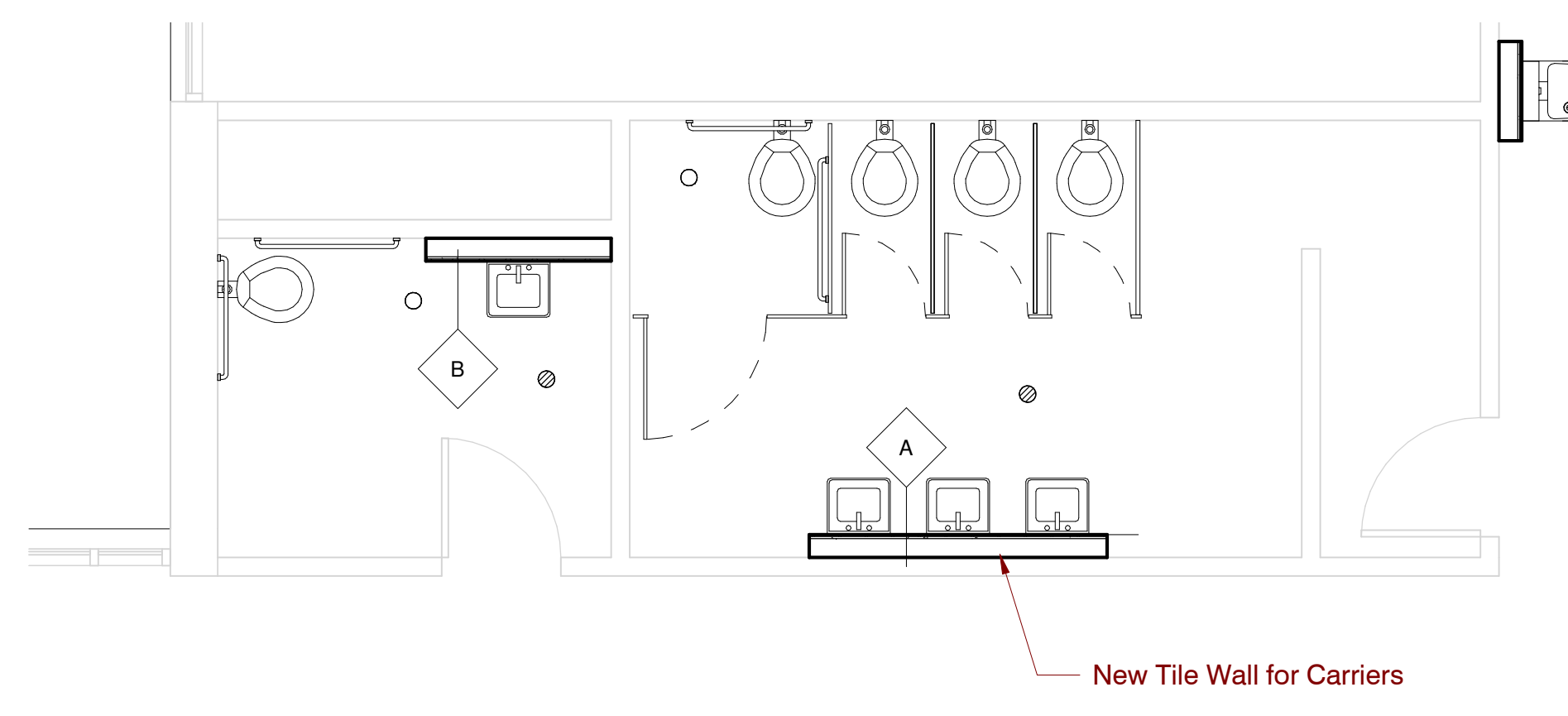
5 Toilets - S Building N Wing W Demolition
1/4" = 1'-0"



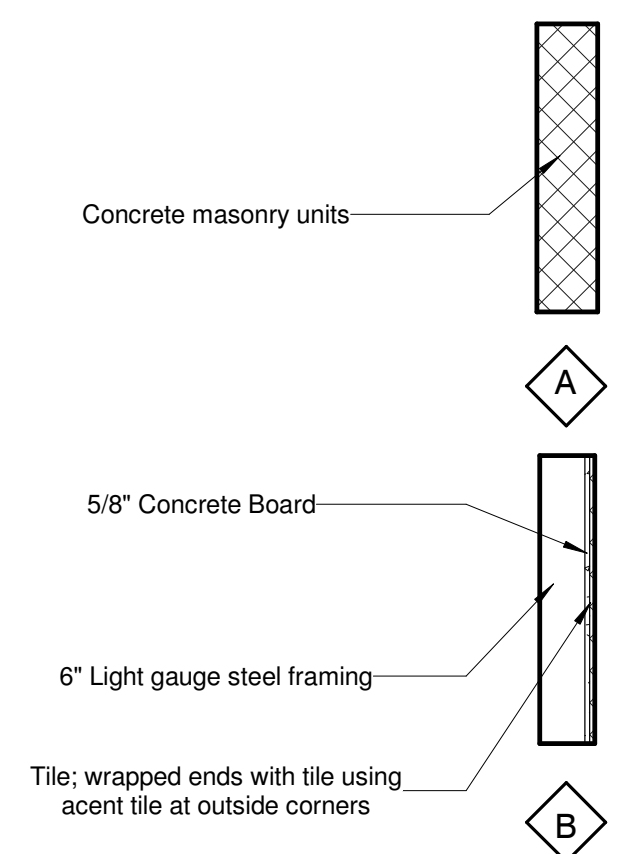
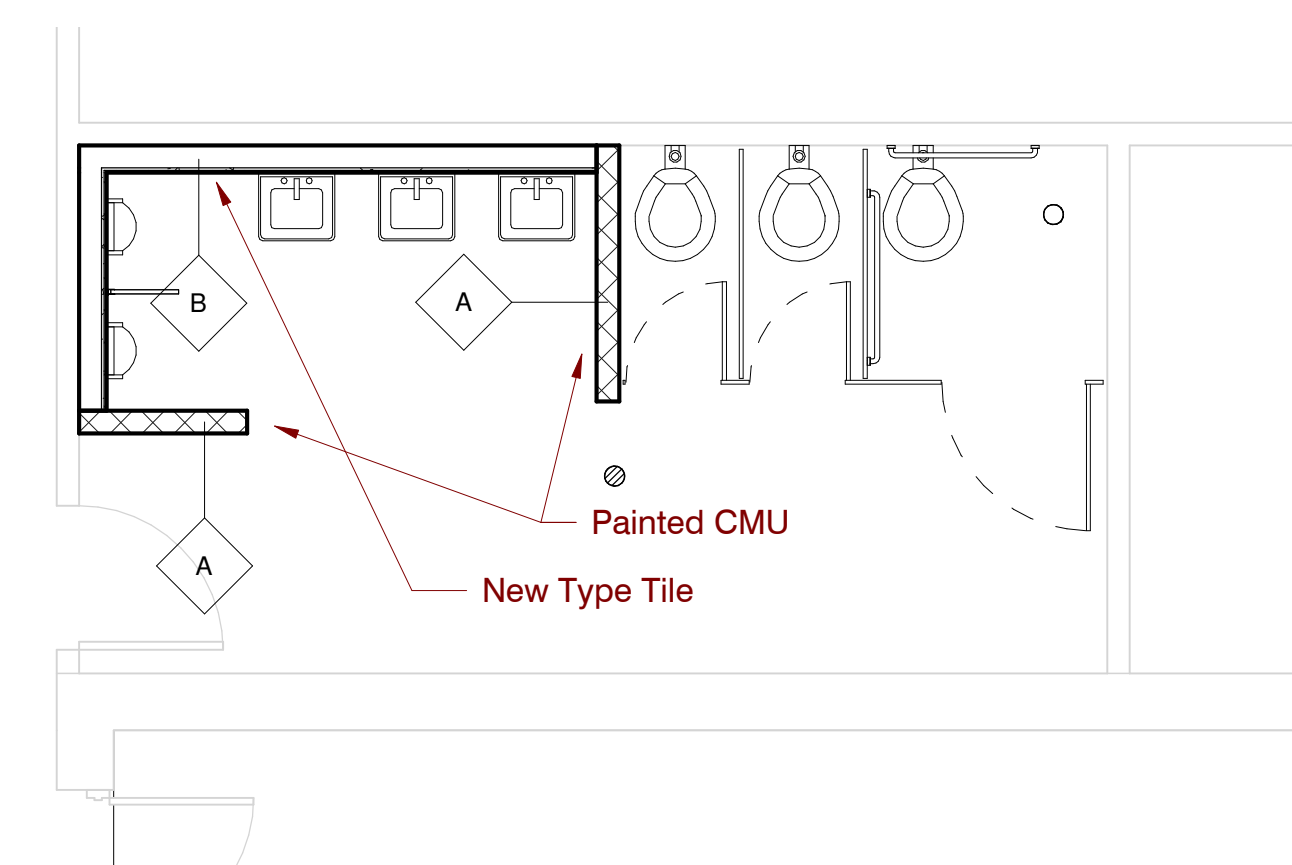
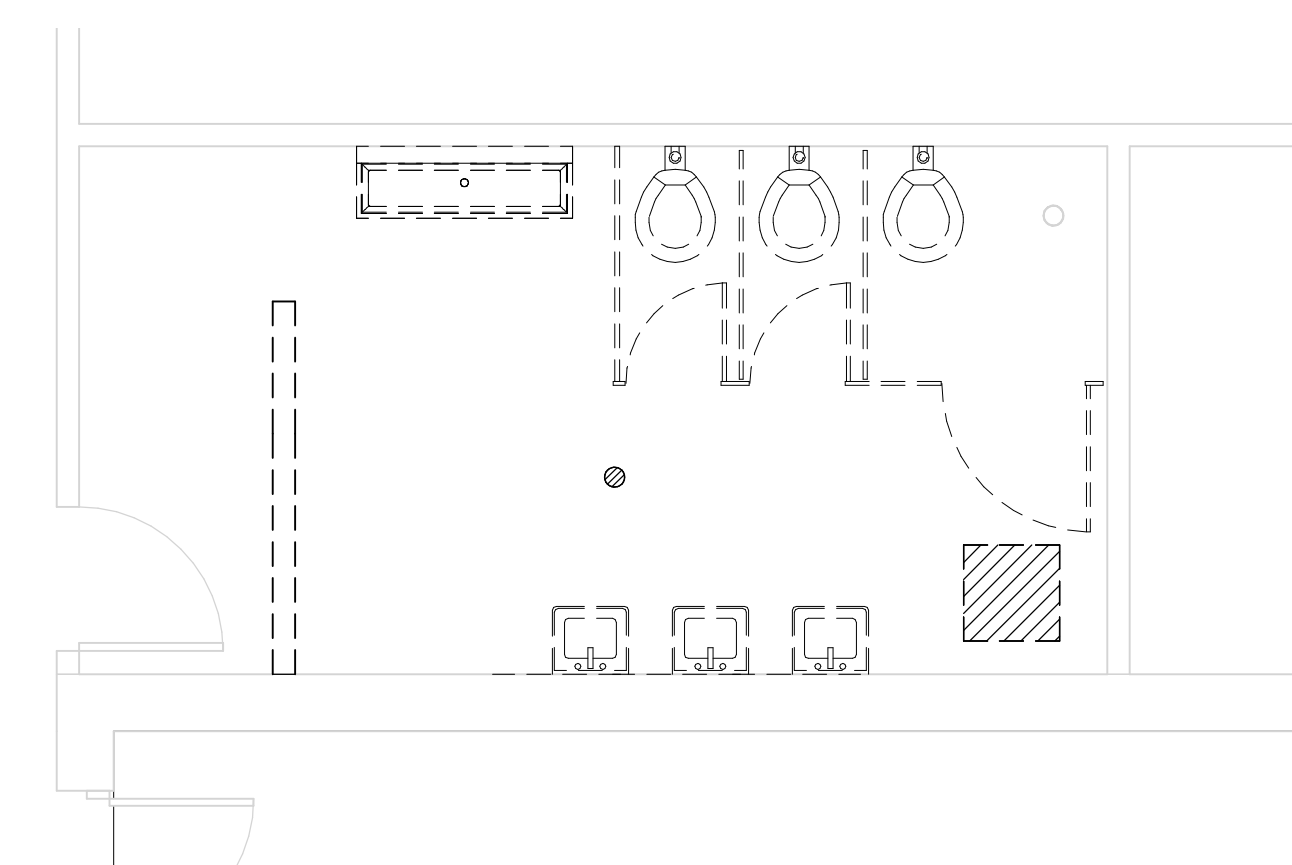
7 Toilets - S Building N Wing E Demolition
1/4" = 1'-0"



6 Toilets - S Building N Wing W New
1/4" = 1'-0"



8 Toilets - S Building N Wing E New
1/4" = 1'-0"



Wall Types
1/2" = 1'-0"

Add Alternate #1

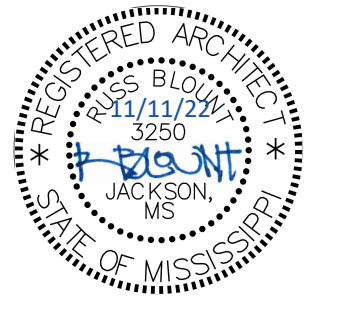
- Paint Toilet Room Interiors (previously painted surfaces, walls and Ceilings [rooms shown on all enlarged toilet room plans]).
- Refinish Toilet Room entry Doors (all faces [rooms shown on all enlarged toilet room plans]).
- Install new hardware at toilet room doors [rooms shown on all enlarged toilet room plans].

Deduct Alternate #2

- Replace all new CMU Block walls with Plastic Toilet partitions.

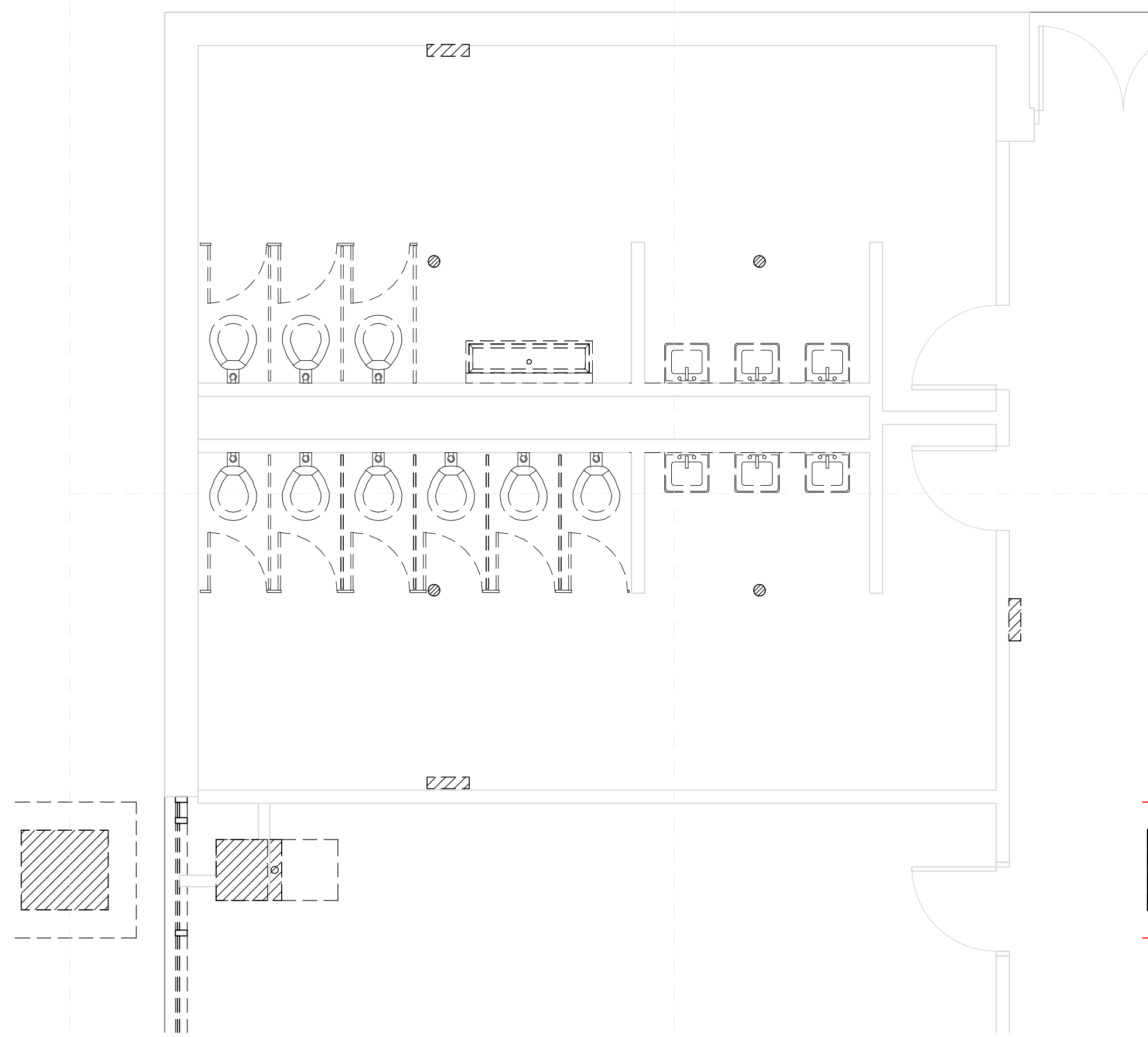
Deduct Alternate #3

- Make all new Metal Stud walls intended to conceal carriers partial height:
 - A. 3'-6" at Lavatories
 - B. 4'-6" at Urinals
 - C. Cap All partial height walls with cast concrete toppers measuring 1-1/4" in thickness for full length of walls in section measuring a MIN of 4'-0" in length. Grout joints and seal to wall with mastic.

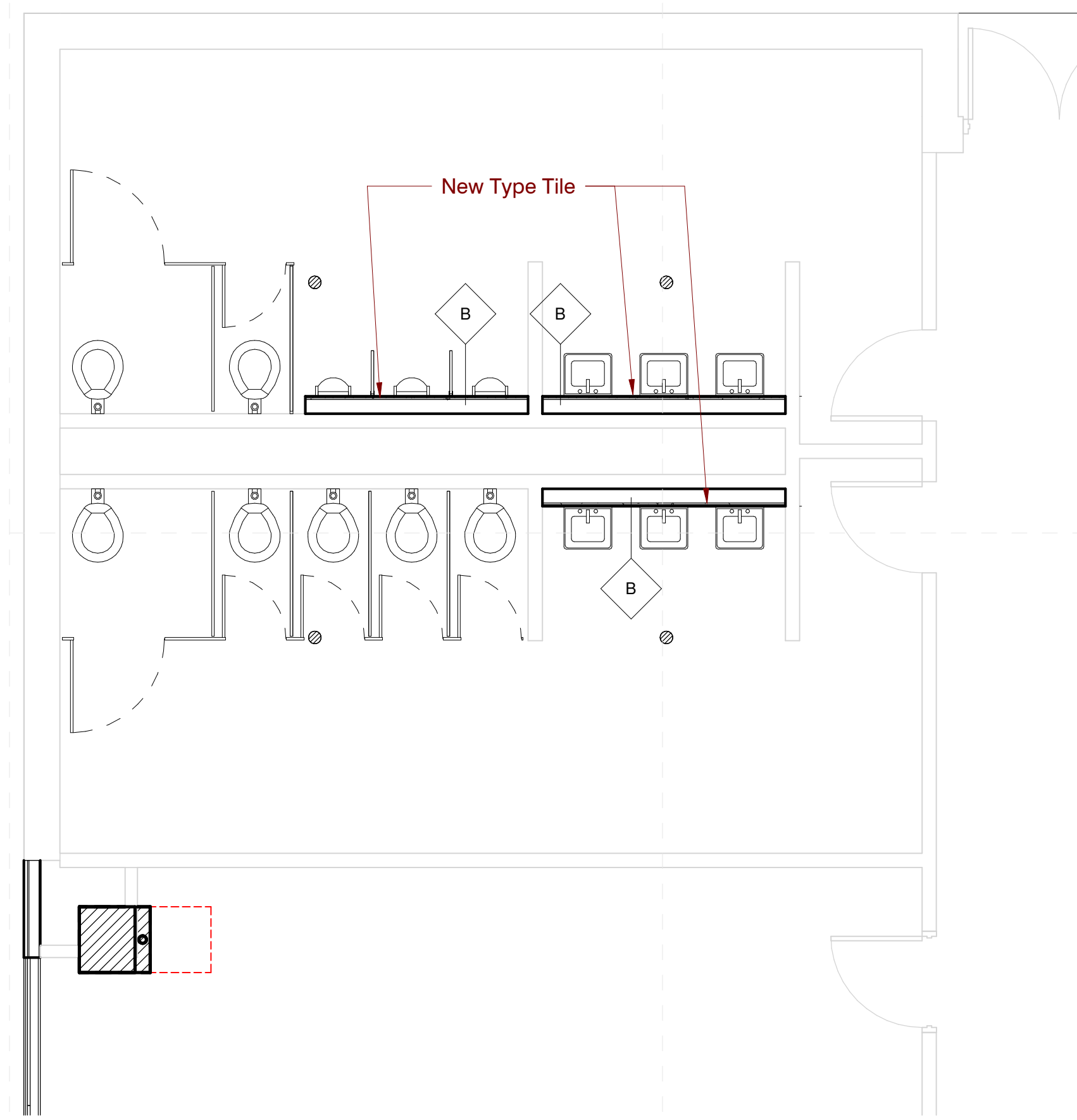


General Notes

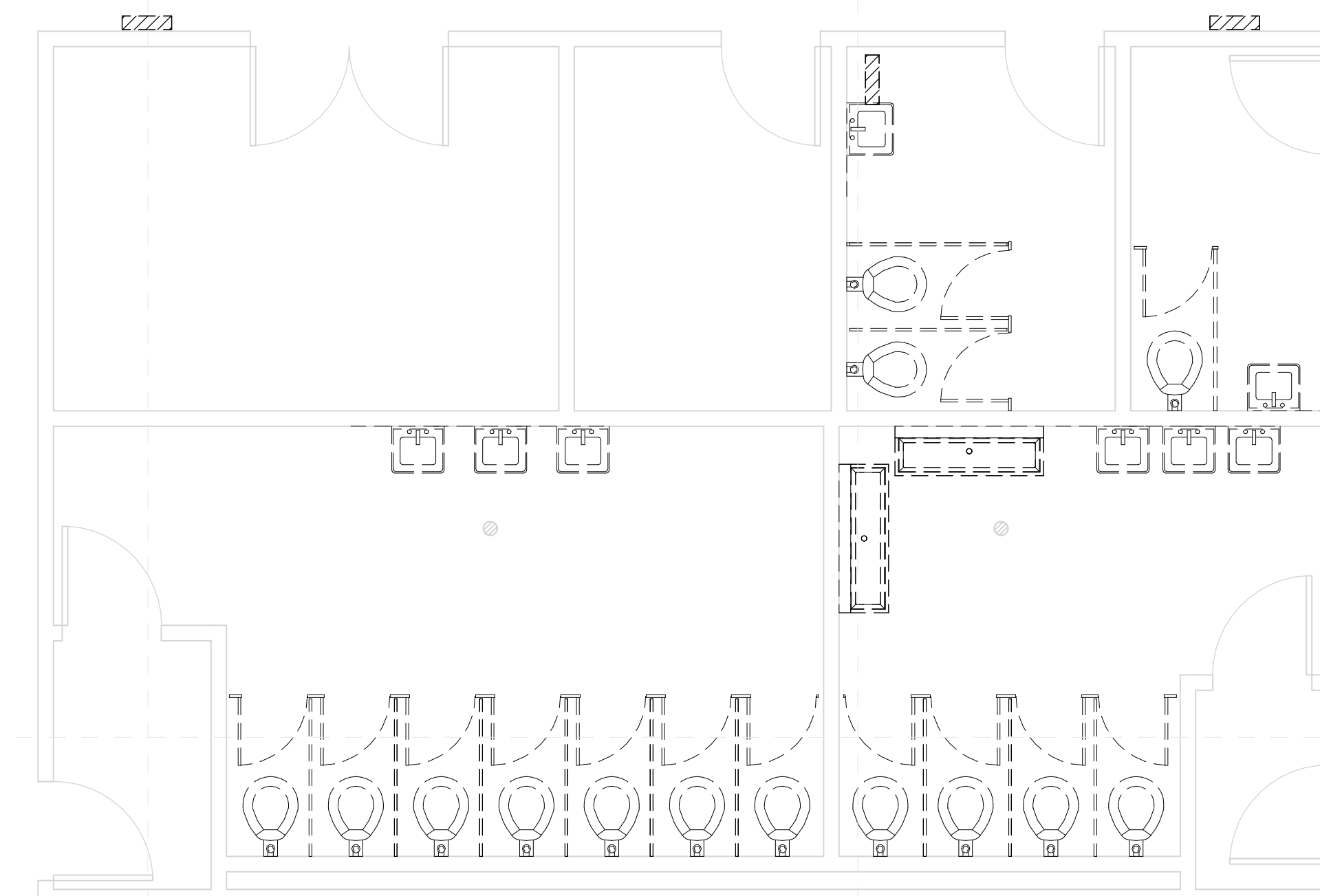
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2. Verify all existing conditions. Notify architect of any discrepancies between the existing conditions and these documents. The Contractor is to consider the additional work required by any discrepancies to be included in this Contract.
3. Burying or Burning of materials will not be permitted on site.
4. Repair any damage caused to building construction identified to remain.
5. Refer to other discipline drawings for additional demolition information as noted.
6. Schedule with the Owner any demolition that involves exposing to the weather the interior portions of building to remain. This work is to be performed during good, dry weather or temporary waterproof barrier walls shall be constructed at all occurrences where the demolition exposes weather to the interior of portions of buildings to remain.
7. Existing loose school property to be the responsibility of the school district, removal of property by owner to be coordinated between the contractor and school district.
8. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
9. Where new wall hung fixtures are installed, install new carriers for fixtures as well as a new 6" metal stud wall with tile at all exposed faces for 18" from center of fixture to edge of wall or into perpendicular abutting wall at either side OR as indicated on drawing.
10. Where fixtures are indicated to be replaced, include new finish plumbing and standard accessories including pipe insulation, faucets, flush valves, sealant, etc.
11. Where new existing pipe is abandoned; cap pipe and paint to matching adjacement color.
12. Install new grab bars at all ADA & AMB toilets
13. Install moisture resistant back board at all new tile.
14. Clean and reseal grout at floor tile.



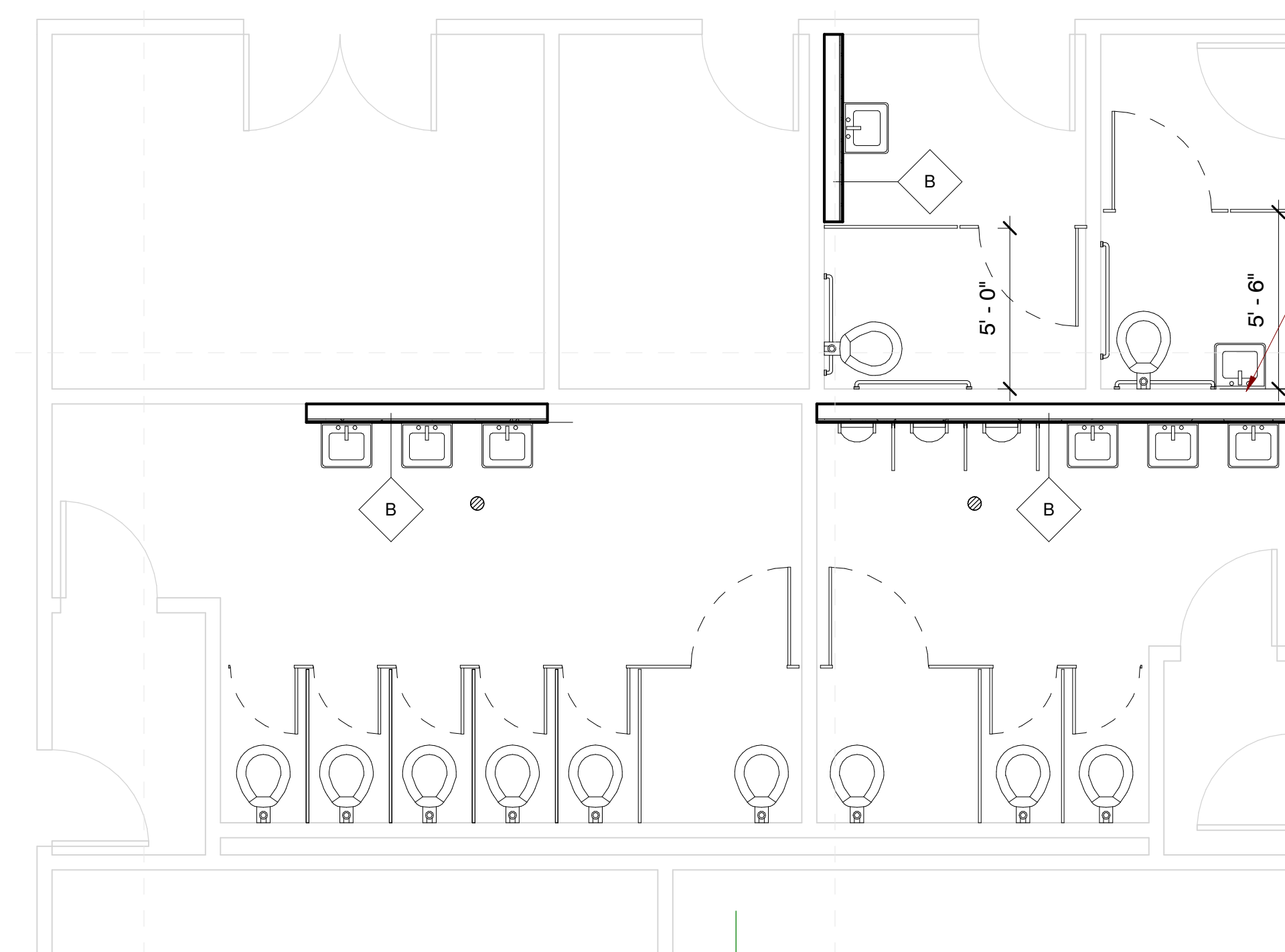
1 Toilets - West Building Demolition
1/4" = 1'-0"



5 Toilets - West Building New
1/4" = 1'-0"

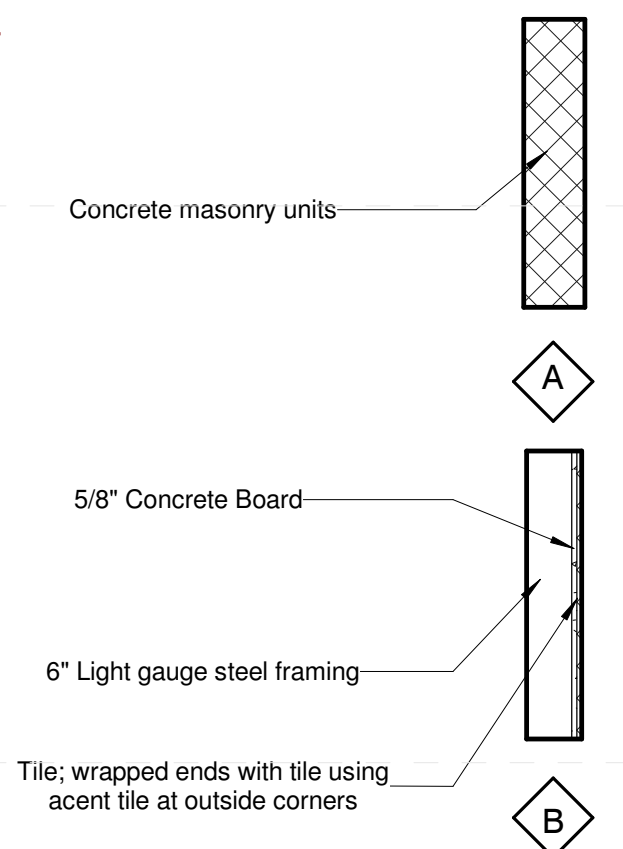


4 Toilets - NE Building Demolition
1/4" = 1'-0"

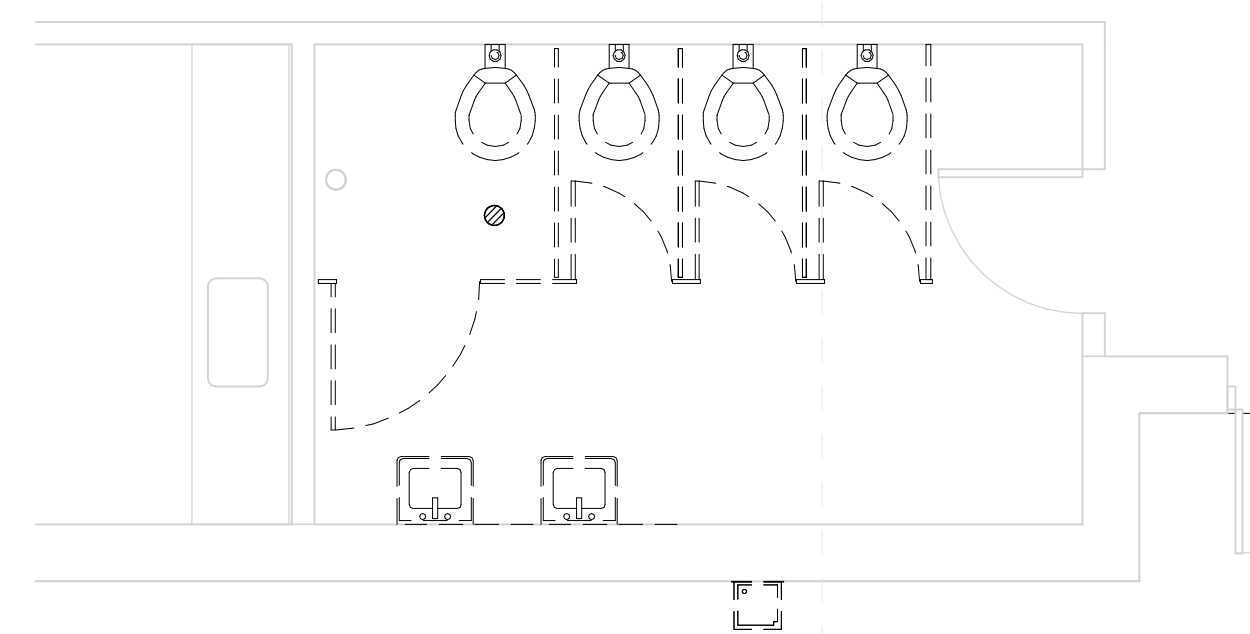


6 Toilets - NE Building New
1/4" = 1'-0"

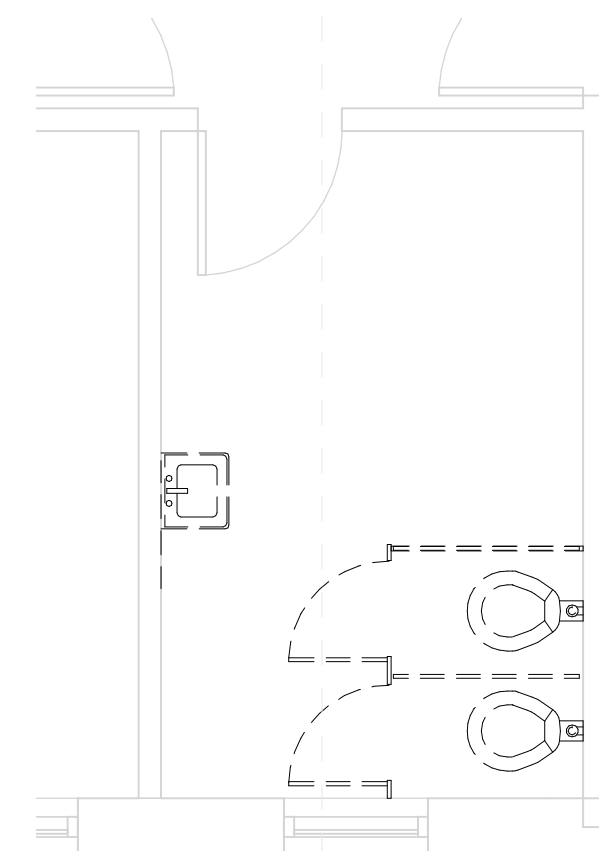
Extend Wall Carrier Thru CMU from other side of Wall



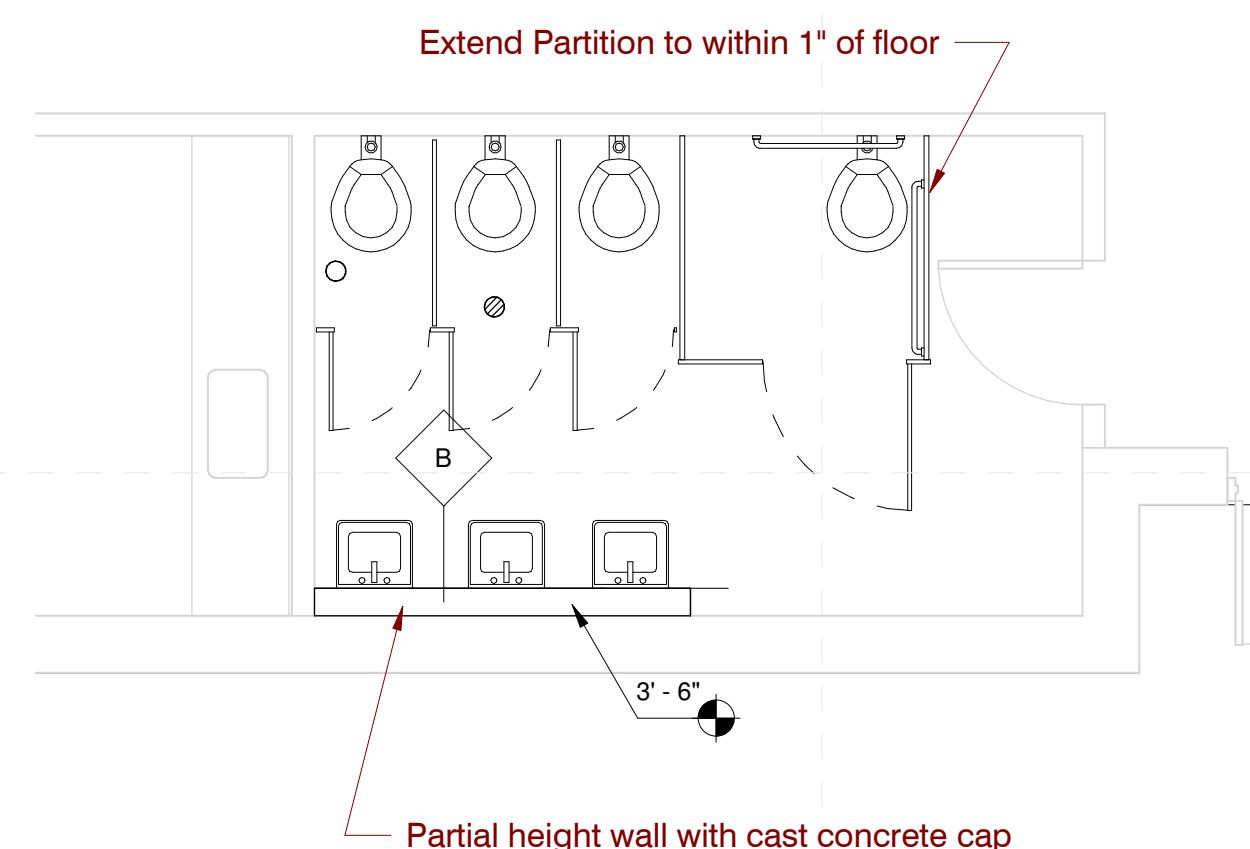
Wall Types
1/2" = 1'-0"



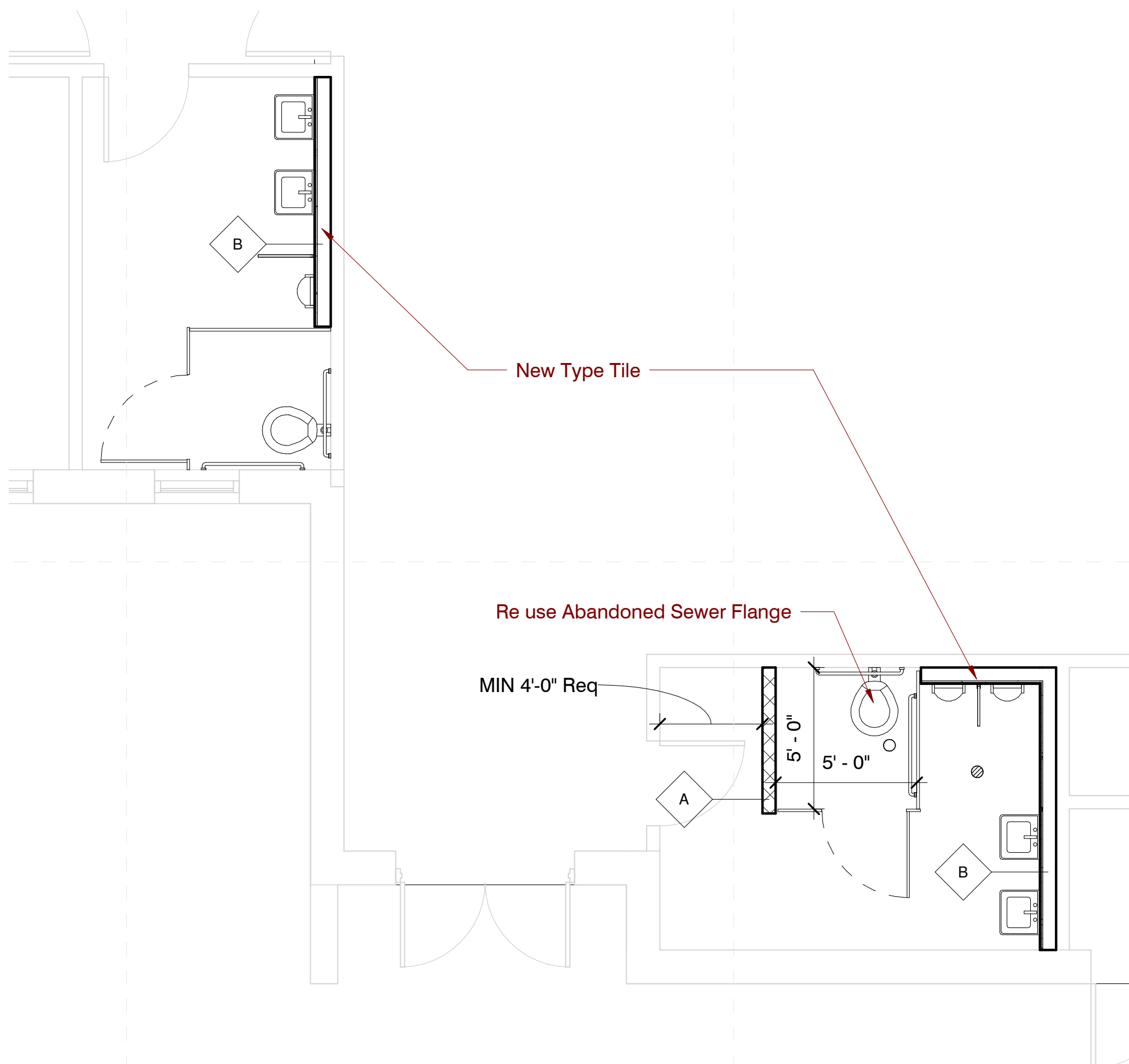
3 Toilets - Gym N Demolition
1/4" = 1'-0"



7 Toilets - Gym S Demolition
1/4" = 1'-0"



8 Toilets - Gym N New
1/4" = 1'-0"



2 Toilets - Gym S New
1/4" = 1'-0"

Add Alternate #1

1. Paint Toilet Room Interiors (previously painted surfaces, walls and Ceilings [rooms shown on all enlarged toilet room plans]).
2. Refinish Toilet Room entry Doors (all faces [rooms shown on all enlarged toilet room plans]).
3. Install new hardware at toilet room doors [rooms shown on all enlarged toilet room plans].

Deduct Alternate #2

1. Replace all new CMU Block walls with Plastic Toilet partitions.

Deduct Alternate #3

1. Make all new Metal Stud walls intended to conceal carriers partial height:
 - A. 3'-6" at Lavatories
 - B. 4'-6" at Urinals
 - C. Cap All partial height walls with cast concrete toppers measuring 1'-1/4" in thickness for full length of walls in section measuring a MIN of 4'-0" in length. Grout joints and seal to wall with mastic.

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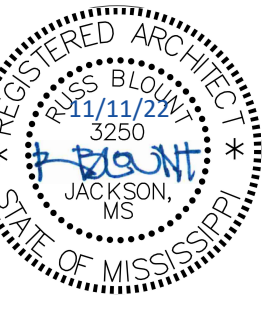
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Front of School



Entry Double Doors to be Replaced



Typical Double Doors to be Replaced

Natchez-Adams School District ESSER 3

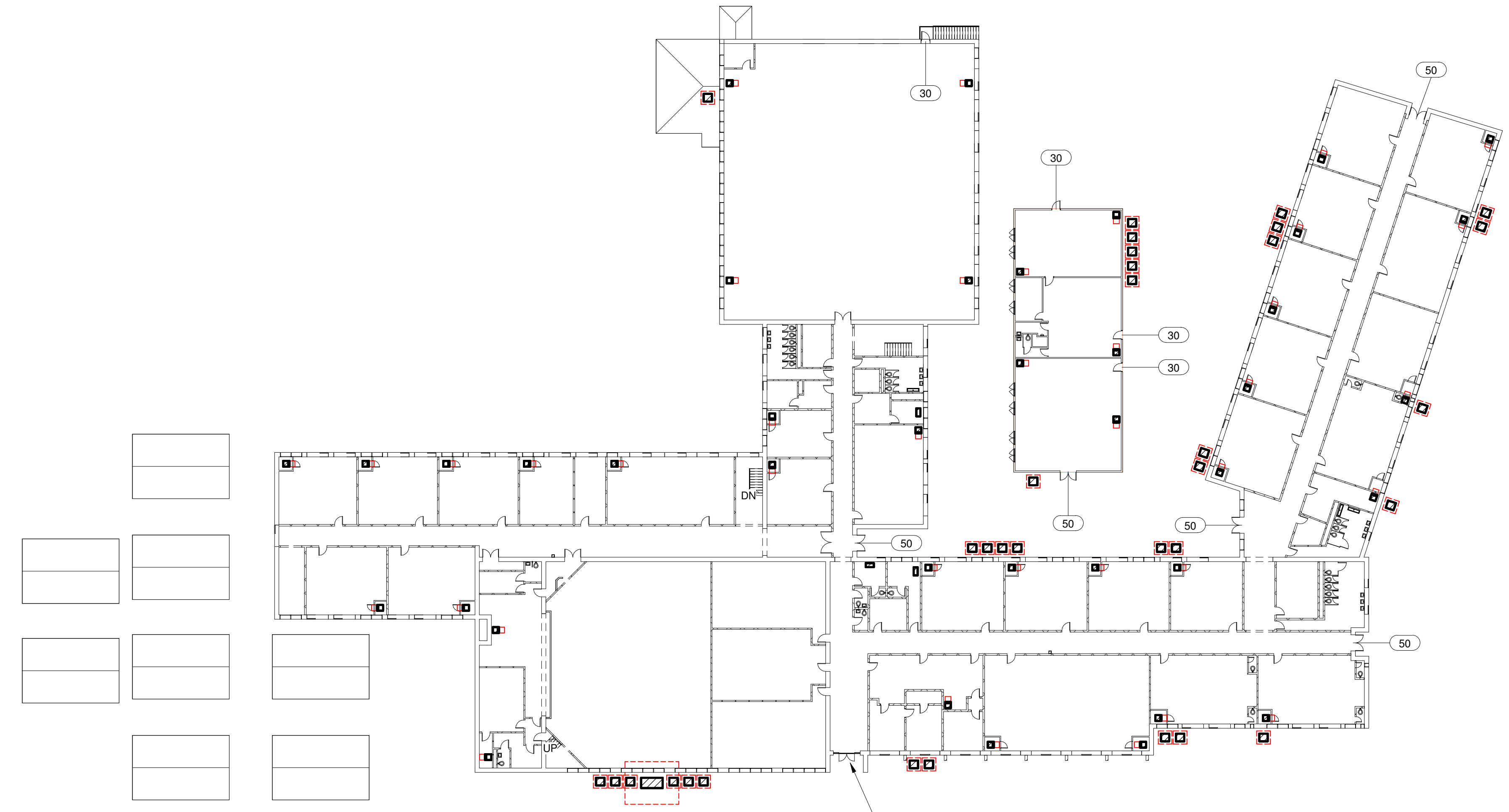
McLaurin Elementary: 170 Sgt Prentiss Dr., Natchez, MS 39120

100%
Construction Documents

Project No	21052
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Drawn	PPU
Checked	RBI
Revision #	Date

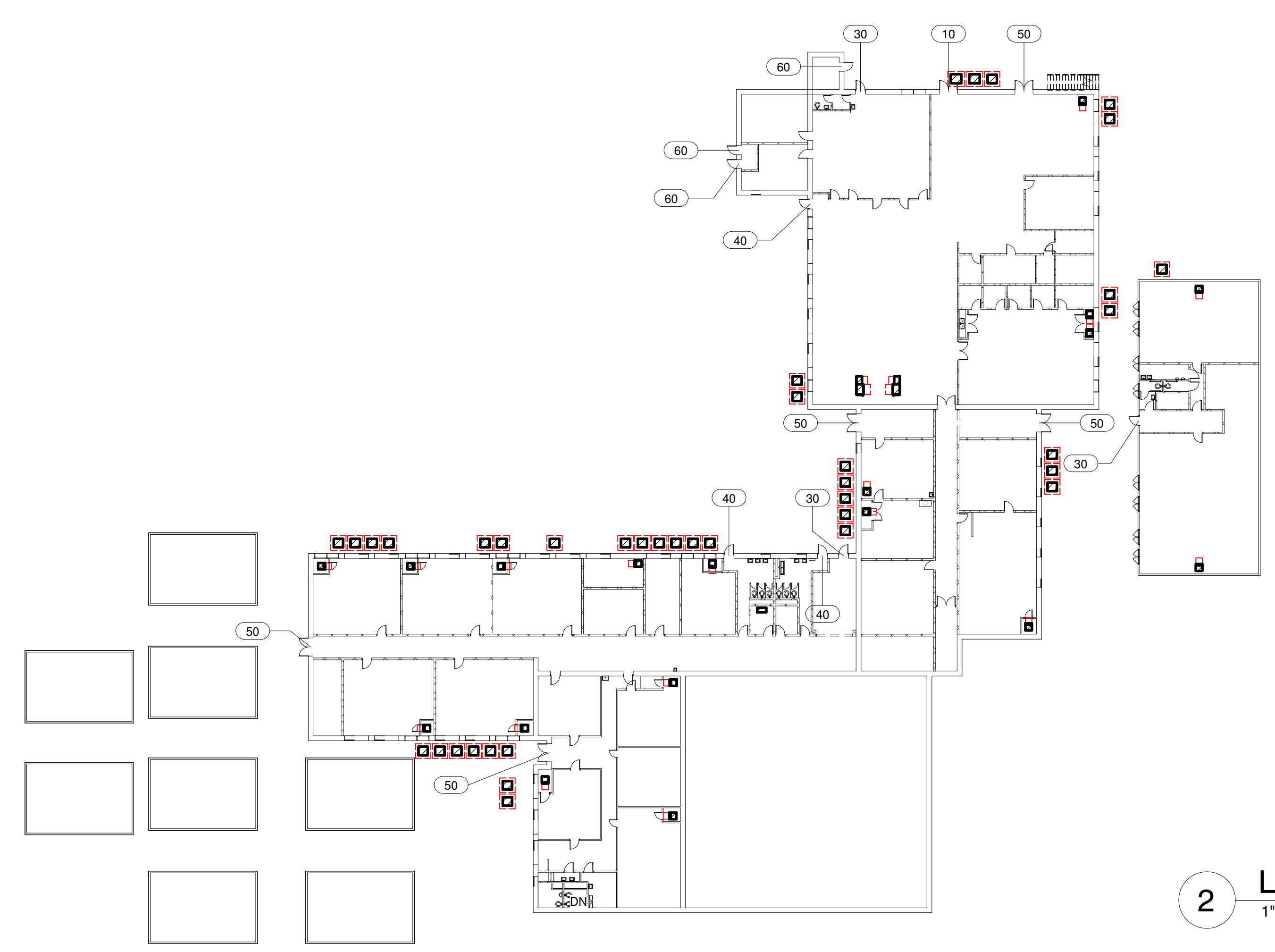
G-000b

General Sheet



Remove Entire Steel Door Assembly & Window Above
Replace with New Storefront Framing & Double Doors in Similar Configuration
Lockset to be Type "A"; Hinge to be Type "A"; MISC Hardware to be Type "A"

1 Upper Level
1" = 30'-0"



2 Lower Level
1" = 30'-0"

Door Schedule - Counts

Unverified Width	Matl	Type	Jamb Material	Glz	Lockset Type	Hinge Type	MISC Hardware Type	Notes	Count	Function
6'-0"	Steel (Painted)	10	Steel	None	D	A	B	Verify All Dimensions; Provide Full Vent @ Panel	1	Exterior
3'-0"	Steel (Painted)	30	Steel	Full Narrow Lite (8"x60")	A	A	B	Verify All Dimensions	7	Exterior
3'-0"	Steel (Painted)	40	Steel	None	C	A	B	Verify All Dimensions	3	Exterior
6'-0"	Steel (Painted)	50	Steel	Full Narrow Lite (8"x60")	A	A	B	Verify All Dimensions	10	Exterior
3'-0"	Steel (Painted)	60	Steel	None	D	A	B	Verify All Dimensions; Provide Full Vent @ Panel	3	Exterior
Grand total: 24										

All glazing shall insulated

Repair all steel jambs with exterior rated putty compound

Lockset Types (all locksets to be mortised style if applicable)

- A. Panic Hardware with Lever Exterior
- B. Double Keyed Lock with Pull & Push Hardware
- C. Panic Hardware with no Exterior Hardware
- D. Storage Function Lever w Deabolt

Hinge Types

- A. Full Height Tamper Proof Geared Hinge

MISC Hardware Types

- A. Doors without Exposure
 - a. New Threshold (embed in sealant)
 - b. Brush Door Sweep
 - c. Jamb and Head Gasketing
 - d. Door Closer
 - e. Door Stop (wall or floor depending on location)
- B. Doors with Exposure
 - a. New Threshold (embed in sealant)
 - b. Brush Door Sweep
 - c. Jamb and Head Gasketing
 - d. Door Closer
 - e. Kick Down Holder
 - f. Door Stop (wall or floor depending on location)
 - g. Aluminum Drip at Door Head

Scope Summary

- New Mechanical Units as noted in Mechanical drawings
- Repair Exterior doors for weather tightness
 1. Replace Door Panels with new
 2. Install new hardware including locksets & Continuous hinges as well as all weatherstripping
 3. Install new drip at head of all doors exposed to weather
 4. Paint all jambs

All School's Specific Notes

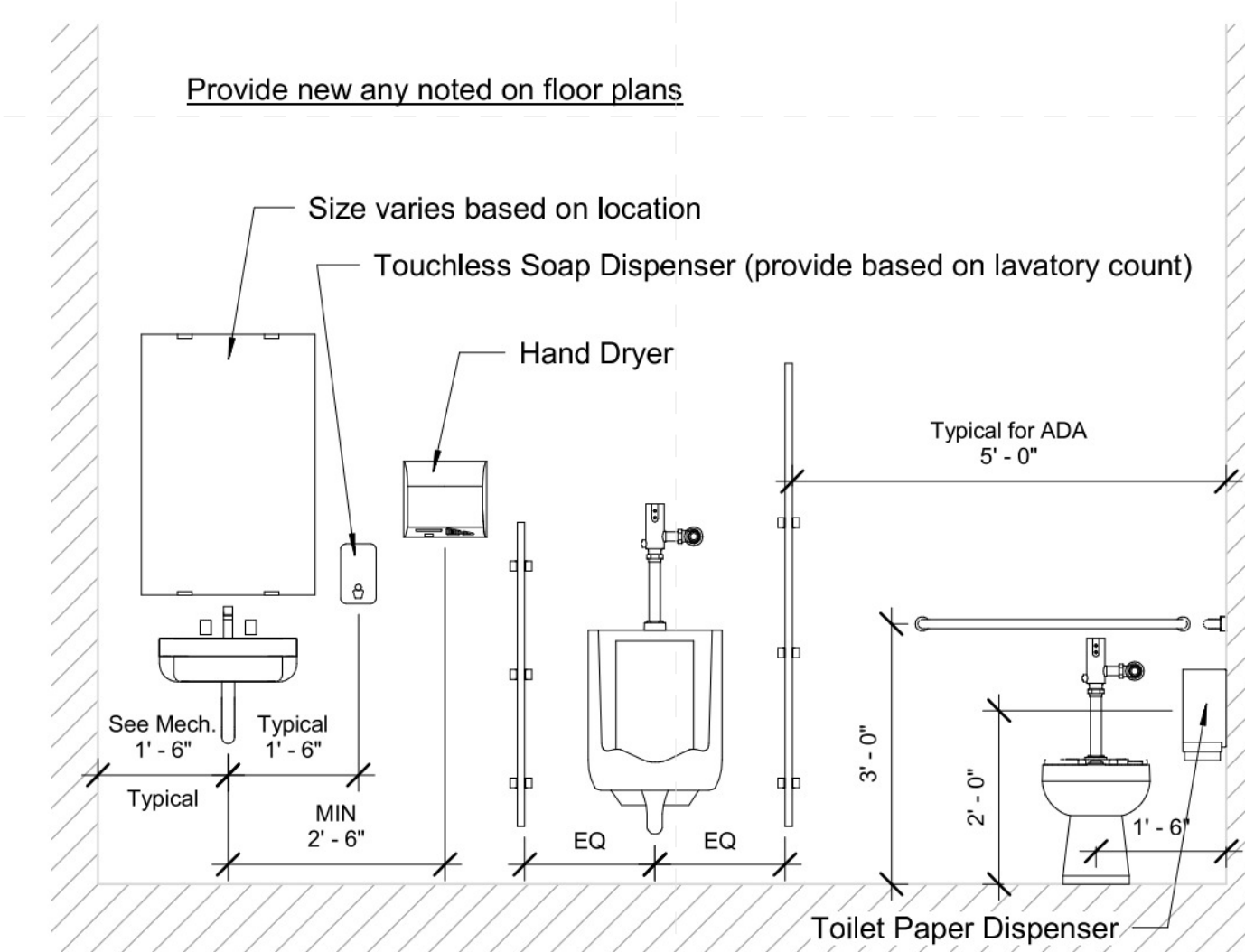
- 22 42 00 002 New fixtures in this toilet room; coordinate with mechanical
- 22 42 00 003 New touchless faucet at sink/cabinet; coordinate with mechanical
- 22 42 00 007 Install new fixture; coordinate with mechanical
- 22 47 13 002 Install single drinking fountain here with bottle filler attachment; coordinate with mechanical & electrical drawings

General Project Notes

1. Wherever fixture indicated to be replaced, include new finish plumbing and standard accessories including pipe insulation, faucets, flush valves, sealant, etc.
2. Notify Architect in writing of any rough in plumbing that is not draining properly or supplying water as needed.
3. Accessories to be replaced only as noted on floor plans.



Front of School



1 Typical Toilet Room Wall
1/2" = 1'-0"



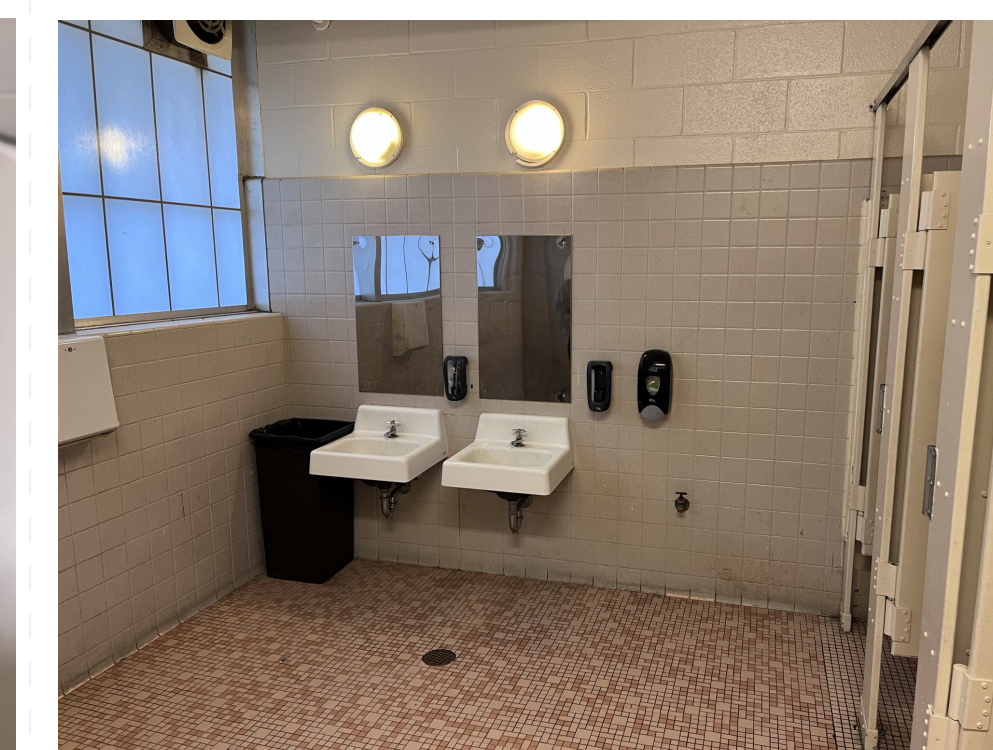
Other Cabinet Lavs



Typical Urinal Style



Typical Toilet Style



Typical Toilet Lav Wall

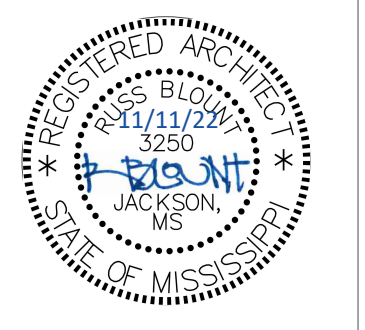
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

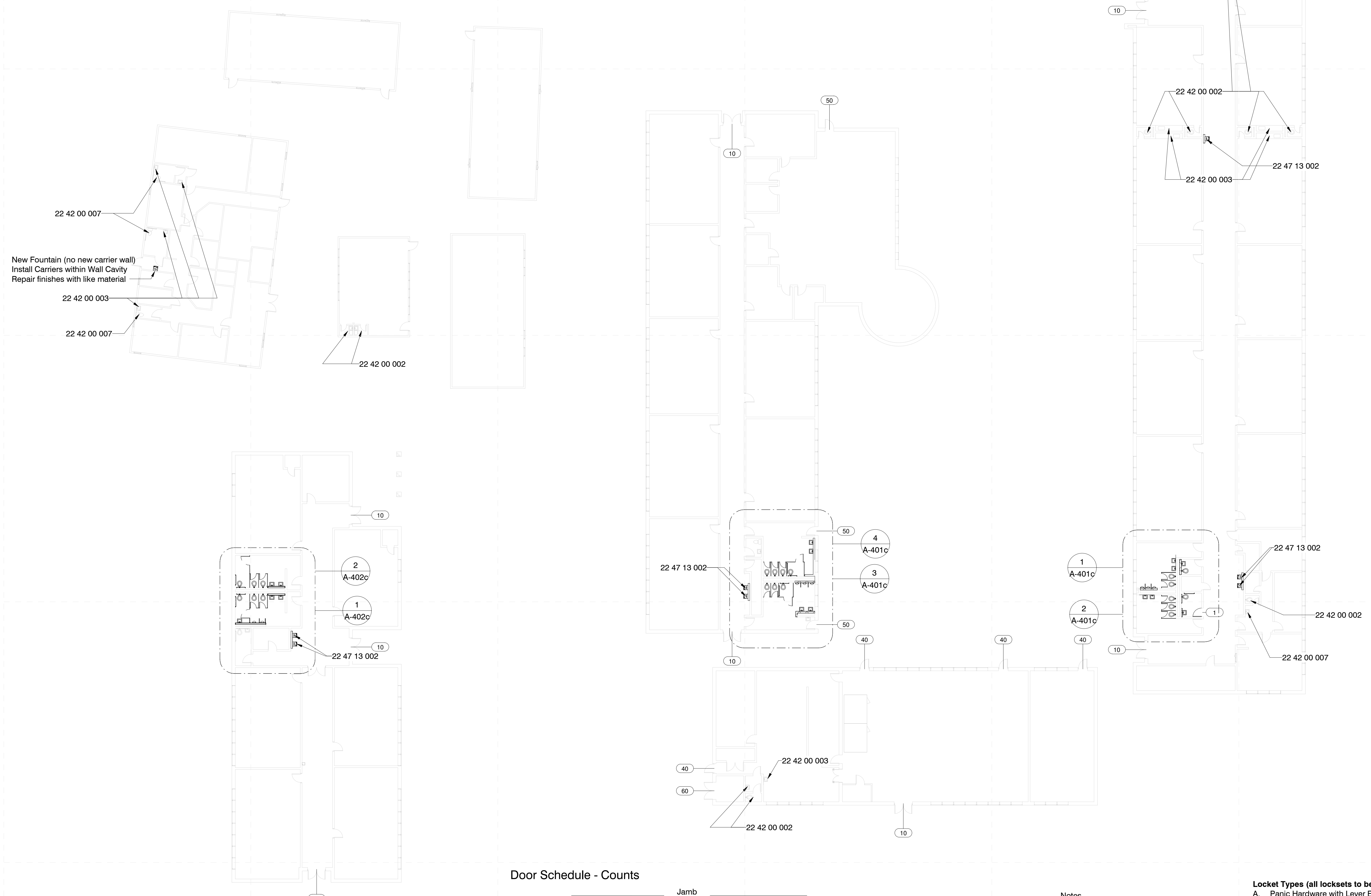
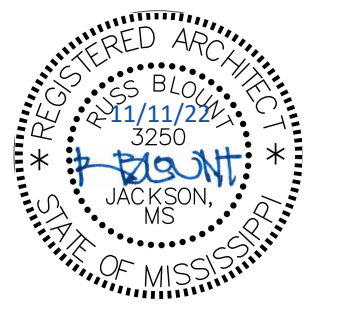
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Specific Notes

22 42 00 002	New fixtures in this toilet room; coordinate with mechanical
22 42 00 003	New touchless faucet at sink/cabinet; coordinate with mechanical
22 42 00 007	Install new fixture; coordinate with mechanical
22 47 13 002	Install single drinking fountain here with bottle filler attachment; coordinate with mechanical & electrical drawings

1 Composite Floor Plan
1/16" = 1'-0"

Door Schedule - Counts

Unverified Width	Matl	Type	Jamb Material	Glz	Lockset Type	Hinge Type	MISC Hardware Type	Notes	Count	Function
6'-0"	Steel (Painted)	10	Steel	Full Narrow Lite (8"x60")	A	A	B		8	Exterior
3'-0"	Steel (Painted)	40	Steel	Full Narrow Lite (8"x60")	A	A	B		4	Exterior
3'-0"	Steel (Painted)	50	Steel	None	A	A	B		3	Exterior
3'-0"	Steel (Painted)	60	Steel	None	D	A	B	Provide vent w MIN area of 432 SQ Inches on both leafs	1	Exterior
Grand total: 16										

All glazing shall insulated
Repair all steel jamba with exterior rated putty compound

- Lockset Types (all locksets to be mortised style if applicable)**
- A. Panic Hardware with Lever Exterior
 - B. Double Keyed Lock with Pull & Push Hardware
 - C. Panic Hardware with no Exterior Hardware
 - D. Storage Function Lever w Deabolt
- Hinge Types**
- A. Full Height Tamper Proof Geared Hinge
- MISC Hardware Types**
- A. Doors without Exposure
 - a. New Threshold (embed in sealant)
 - b. Brush Door Sweep
 - c. Jamb and Head Gasketing
 - d. Door Closer
 - e. Door Stop (wall or floor depending on location)
 - B. Doors with Exposure
 - a. New Threshold (embed in sealant)
 - b. Brush Door Sweep
 - c. Jamb and Head Gasketing
 - d. Door Closer
 - e. Kick Down Holder
 - f. Door Stop (wall or floor depending on location)
 - g. Aluminum Drip at Door Head

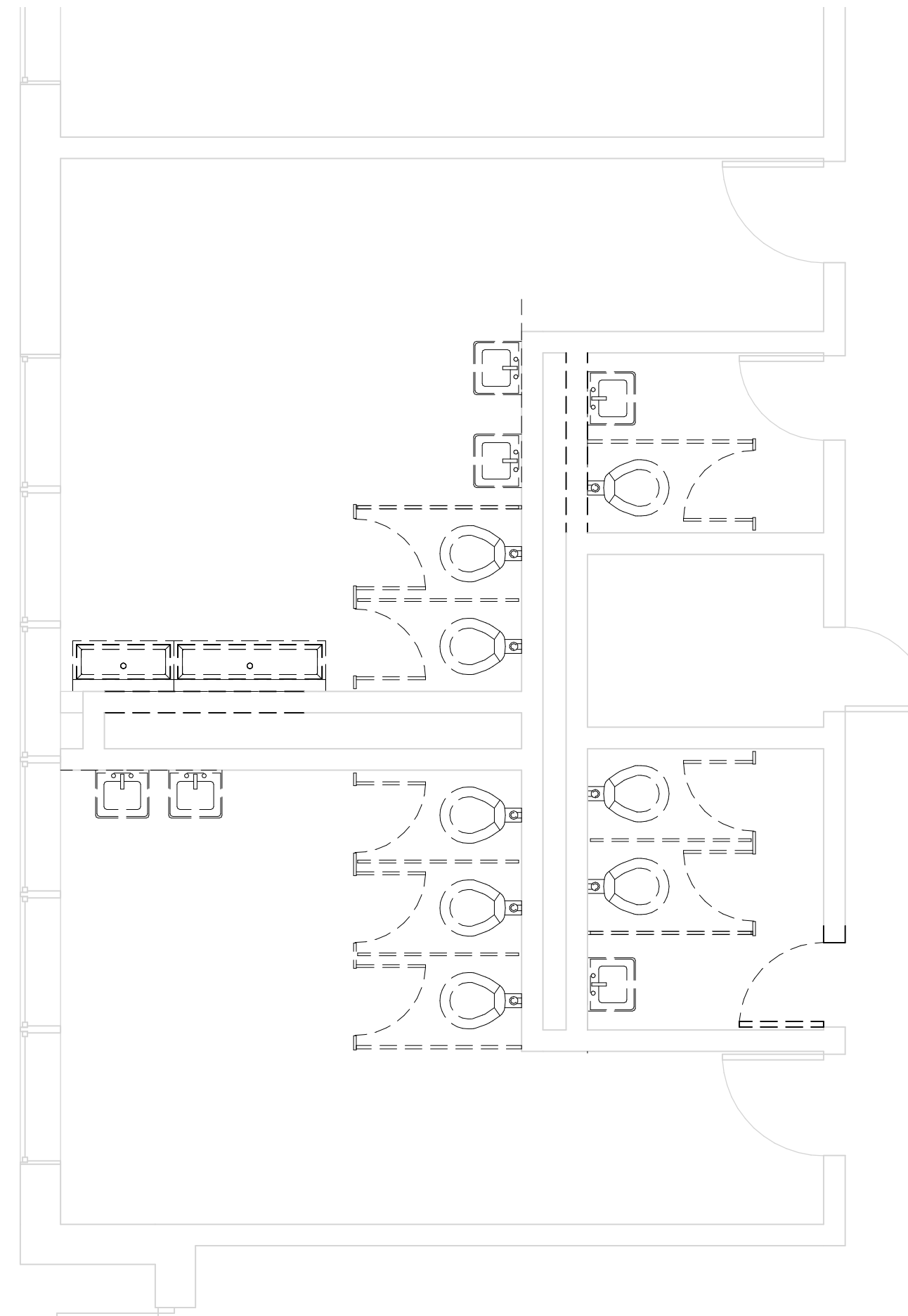
- Scope Summary**
- New Mechanical Units as noted in Mechanical drawings
 - Repair Exterior doors for weather tightness
 1. Replace Door Panels with new
 2. Install new hardware including locksets & Continuous hinges as well as all weatherstripping
 3. Install new drip at head of all doors exposed to weather
 4. Paint all jamba
 - Renovate toilet rooms as shown in architectural plans and mechanical plans
 1. Change out all fixtures
 2. Install new touchless flush valves
 3. Install new touchless faucets
 4. Install new toilet partitions
 5. Replace Water Fountains with New Bottle Filling Stations
 - A. Provide new 6" Metal Stud Wall with 5/8" concrete backer board & tile behind all water fountains measuring 3' wide and 7' tall

Specific Notes

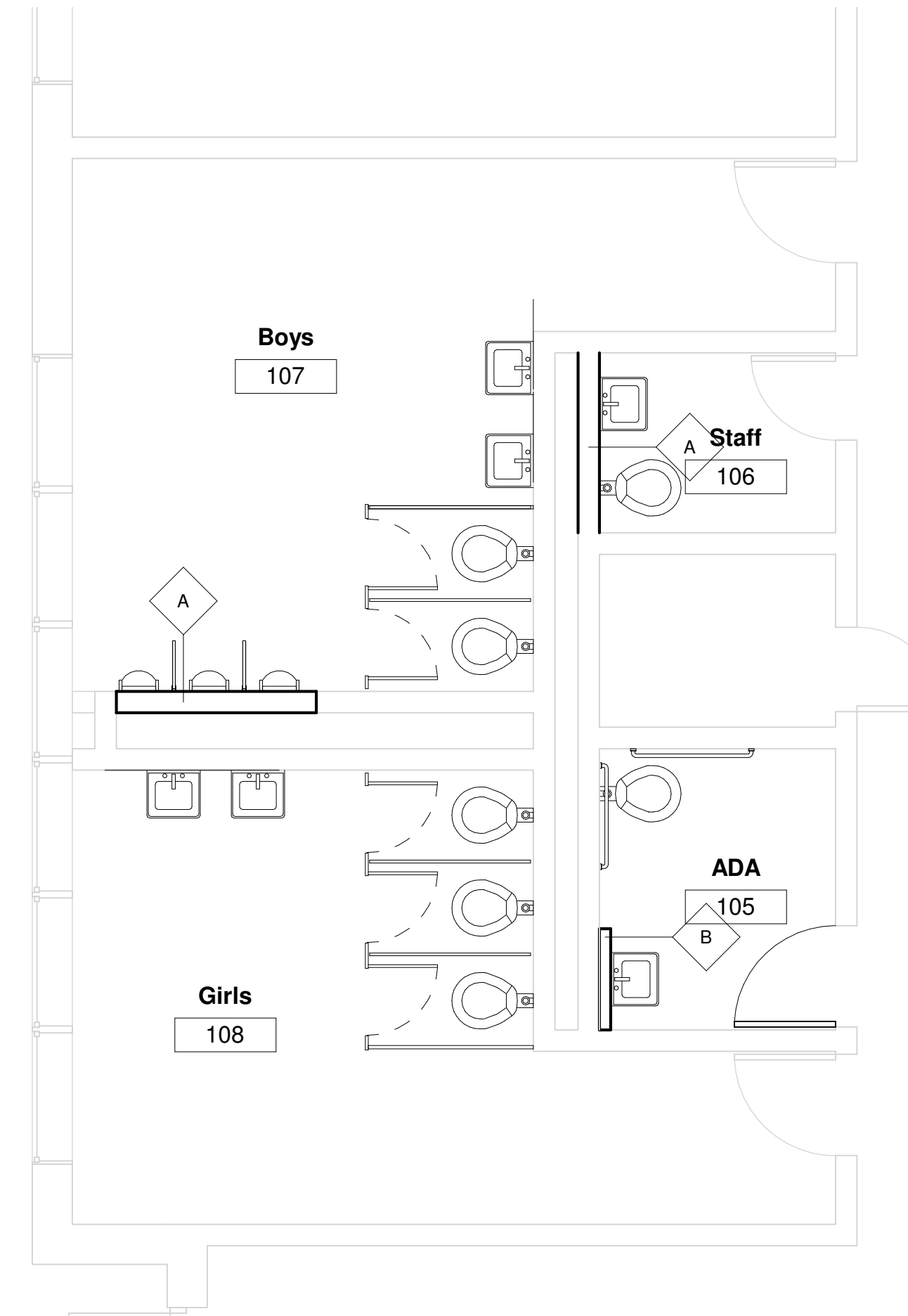
22 42 00 003 New touchless faucet at sink/cabinet; coordinate with mechanical

General Notes

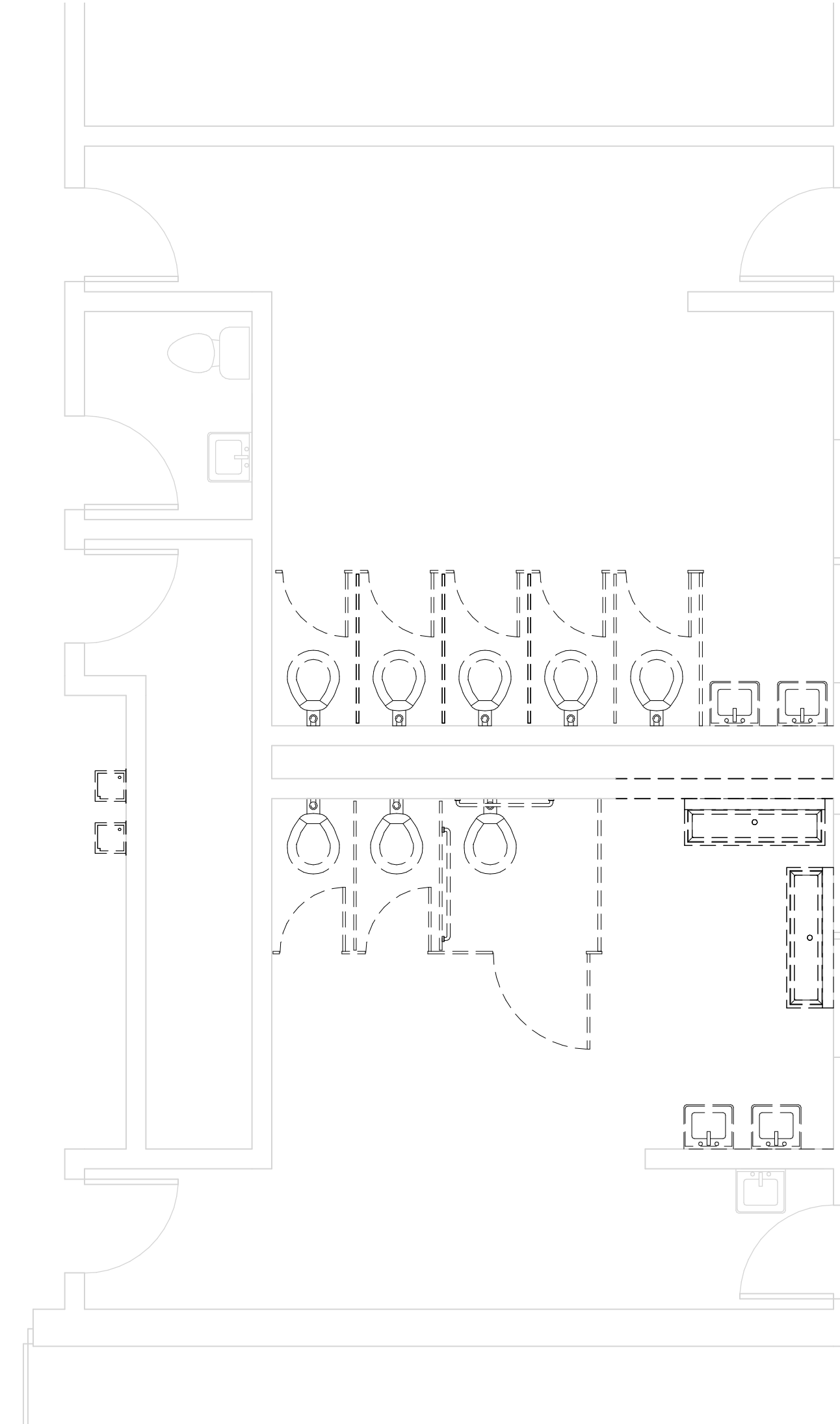
1. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
2. Verify all existing conditions. Notify architect of any discrepancies between the existing conditions and these documents. The Contractor is to consider the additional work required by any discrepancies to be included in this Contract.
3. Burying or Burning of materials will not be permitted on site.
4. Repair any damage caused to building construction identified to remain.
5. Refer to other discipline drawings for additional demolition information as noted.
6. Schedule with the Owner any demolition that involves exposing to the weather the interior portions of building to remain. This work is to be performed during good, dry weather or temporary waterproof barrier walls shall be constructed at all occurrences where the demolition exposes weather to the interior of portions of buildings to remain.
7. Existing loose school property to be the responsibility of the school district, removal of property by owner to be coordinated between the contractor and school district.
8. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
9. Where new wall hung fixtures are installed, install new carriers for fixtures as well as a new 6" metal stud wall with tile at all exposed faces for 18" from center of fixture to edge of wall or into perpendicular abutting wall at either side OR as indicated on drawing.
10. Where fixtures are indicated to be replaced, include new finish plumbing and standard accessories including pipe insulation, faucets, flush valves, sealant, etc.
11. Where new existing pipe is abandoned; cap pipe and paint to matching adjacement color.
12. Install new grab bars at all ADA & AMB toilets
13. Install moisture resistant back board at all new tile.
14. Clean and reseal grout at floor tile.



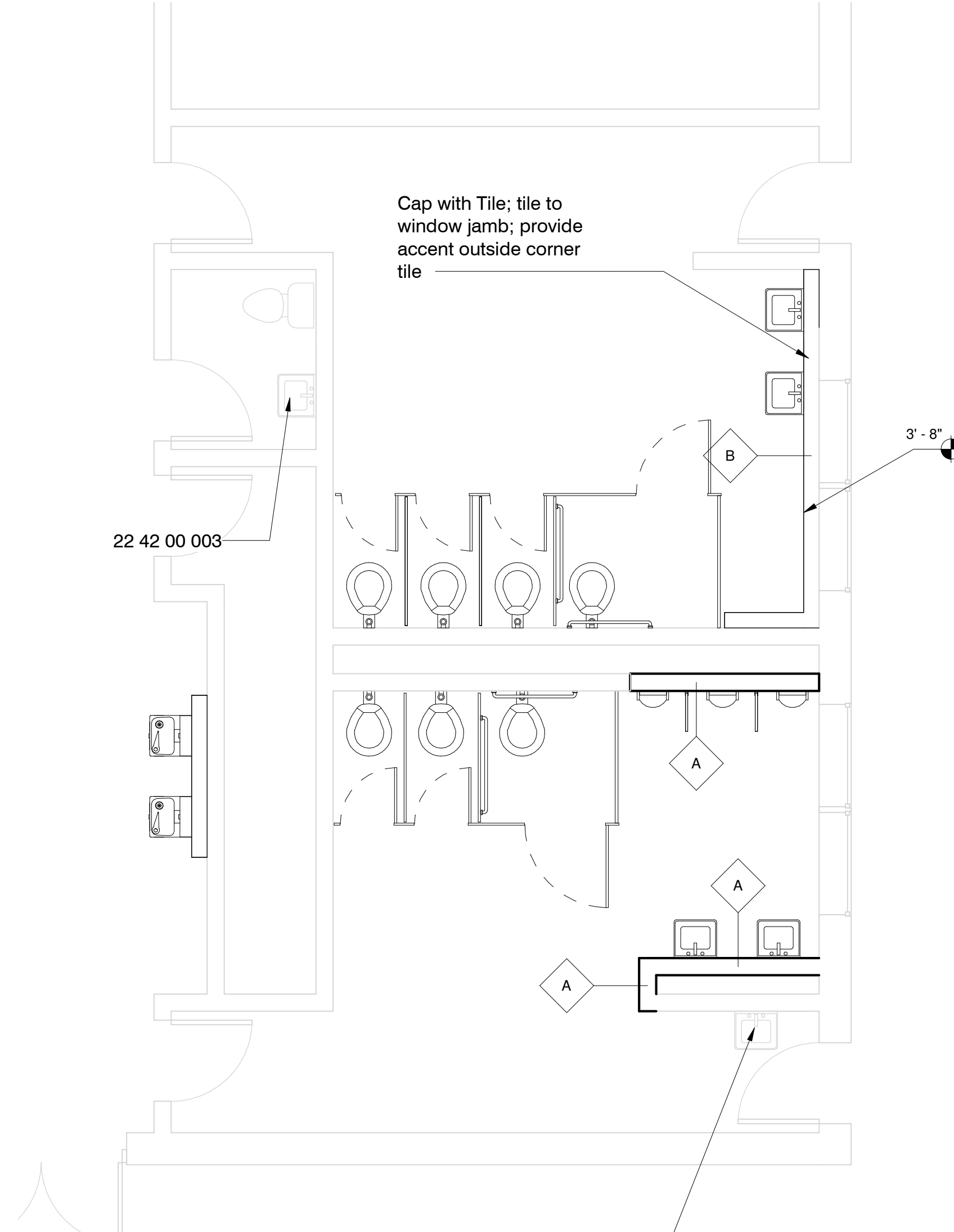
1 Toilets - South Building - Demolition
1/4" = 1'-0"



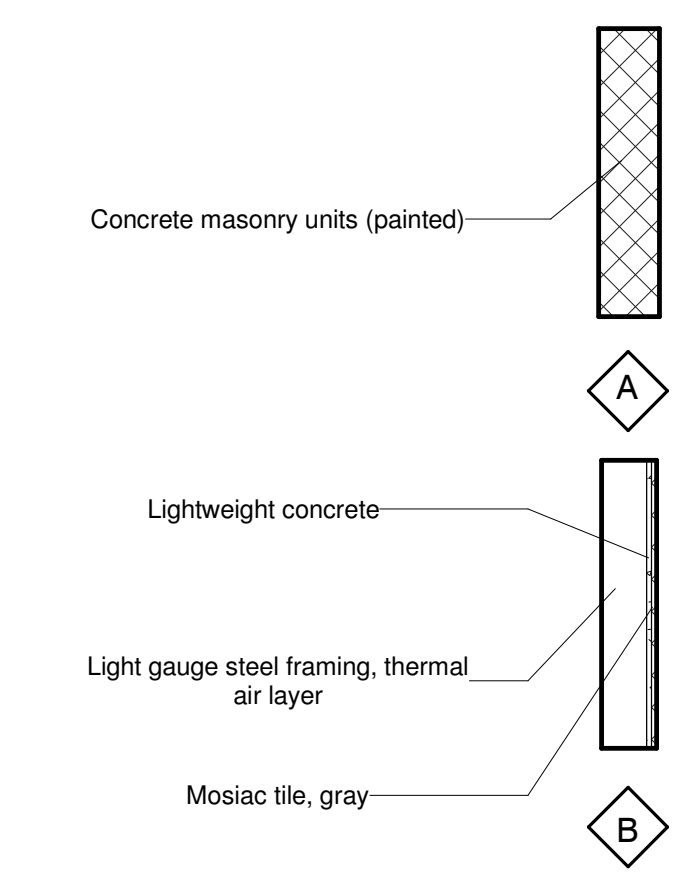
2 Toilets - South Building - New
1/4" = 1'-0"



3 Toilets - Central Building - Demolition
1/4" = 1'-0"



4 Toilets - Central Building - New
1/4" = 1'-0"



Wall Types
1/2" = 1'-0"

Add Alternate #1

1. Paint Toilet Room Interiors (previously painted surfaces, walls and Ceilings [rooms shown on all enlarged toilet room plans]).
2. Refinish Toilet Room entry Doors (all faces [rooms shown on all enlarged toilet room plans]).
3. Install new hardware at toilet room doors [rooms shown on all enlarged toilet room plans].

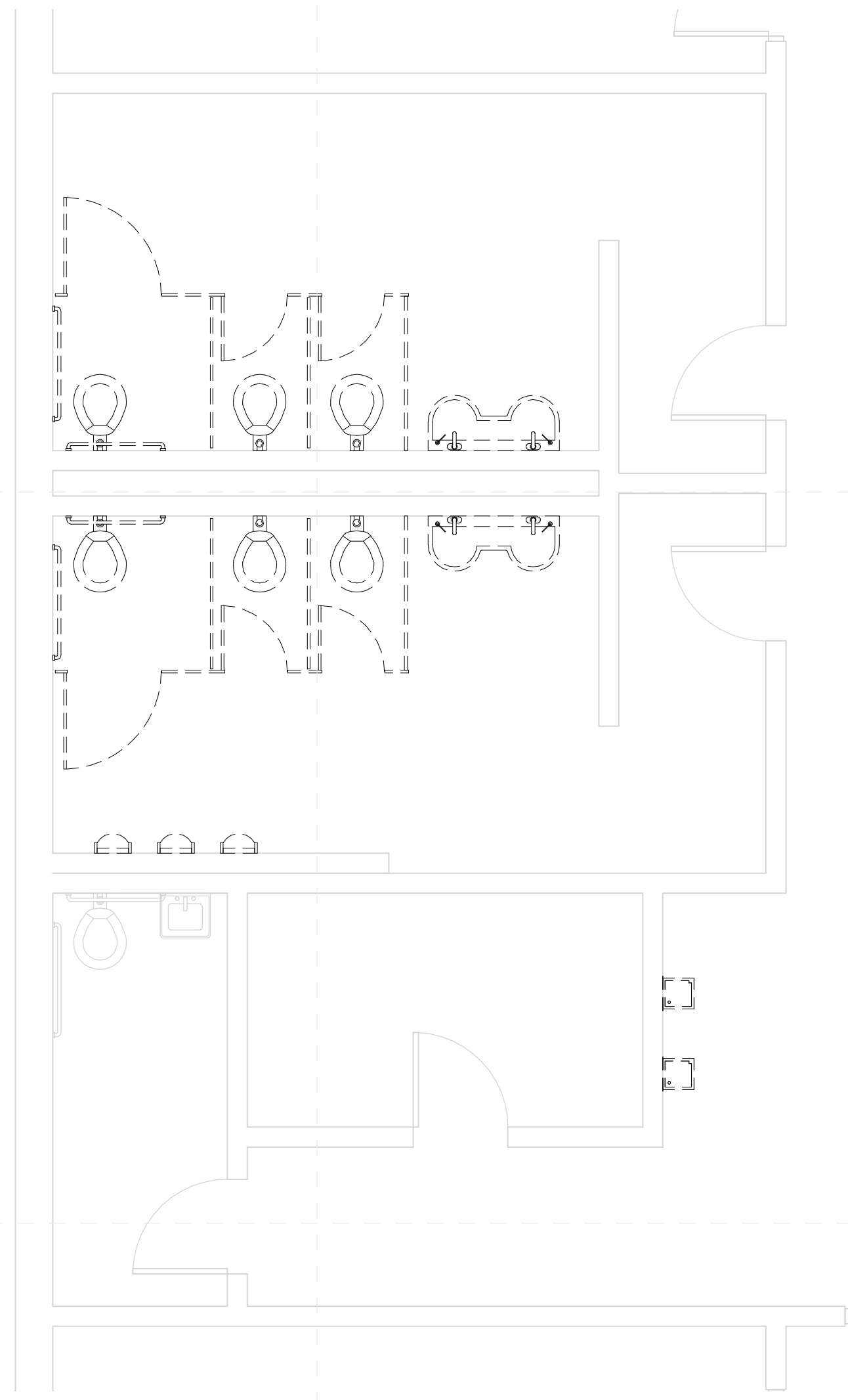
Deduct Alternate #2

1. Replace all new CMU Block walls with Plastic Toilet partitions.

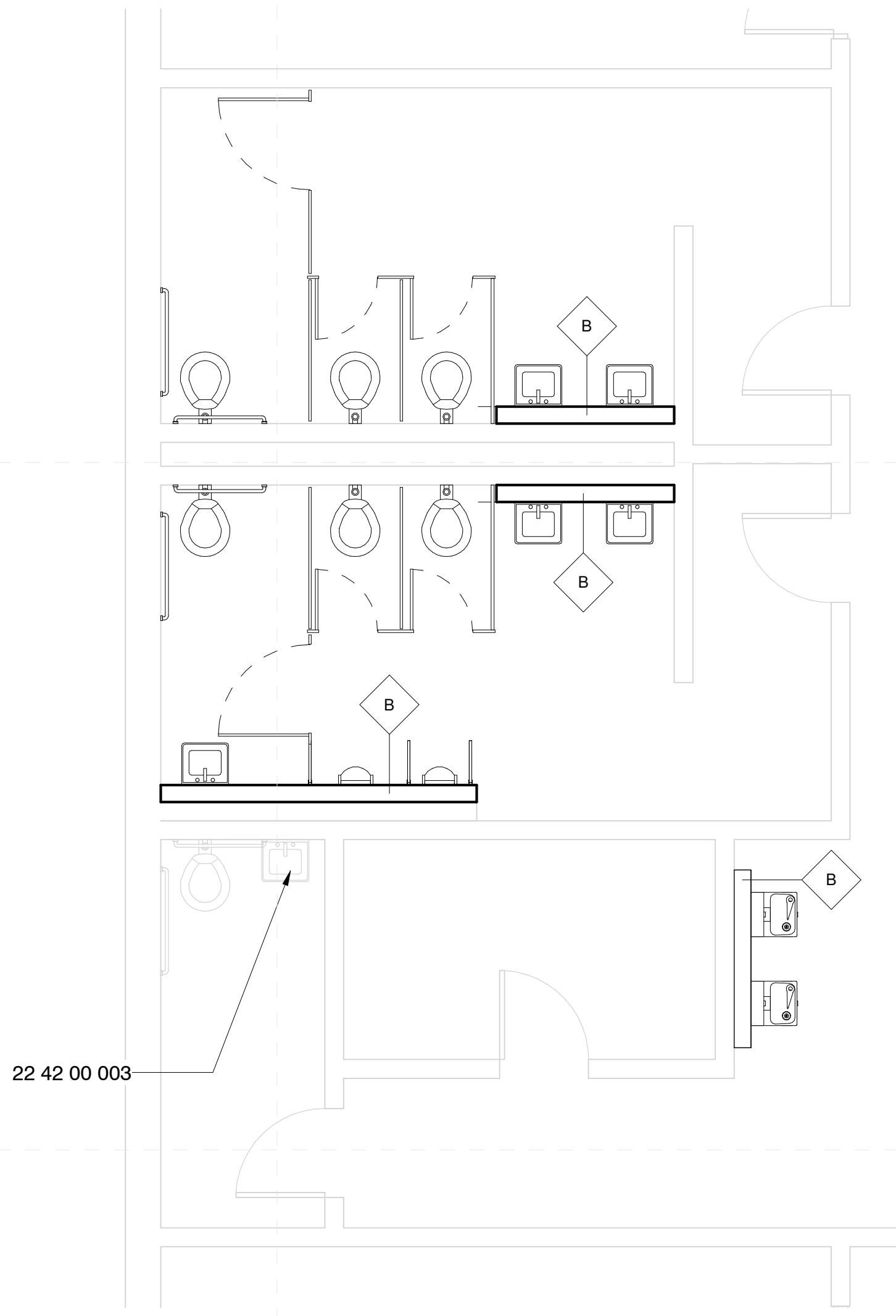
Deduct Alternate #3

1. Make all new Metal Stud walls intended to conceal carriers partial height:
 - A. 3'-6" at Lavatories
 - B. 4'-6" at Urinals
 - C. Cap All partial height walls with cast concrete toppers measuring 1-1/4" in thickness for full length of walls in section measuring a MIN of 4'-0" in length. Grout joints and seal to wall with mastic.

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1 Toilets - Northwest Building - Demolition
1/4" = 1'-0"



2 Toilets - Northwest Building - New
1/4" = 1'-0"

General Notes

1. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
2. Verify all existing conditions. Notify architect of any discrepancies between the existing conditions and these documents. The Contractor is to consider the additional work required by any discrepancies to be included in this Contract.
3. Burying or Burning of materials will not be permitted on site.
4. Repair any damage caused to building construction identified to remain.
5. Refer to other discipline drawings for additional demolition information as noted.
6. Schedule with the Owner any demolition that involves exposing to the weather the interior portions of building to remain. This work is to be performed during good, dry weather or temporary waterproof barrier walls shall be constructed at all occurrences where the demolition exposes weather to the interior of portions of buildings to remain.
7. Existing loose school property to be the responsibility of the school district, removal of property by owner to be coordinated between the contractor and school district.
8. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
9. Where new wall hung fixtures are installed, install new carriers for fixtures as well as a new 6" metal stud wall with tile at all exposed faces for 18" from center of fixture to edge of wall or into perpendicular abutting wall at either side OR as indicated on drawing.
10. Where fixtures are indicated to be replaced, include new finish plumbing and standard accessories including pipe insulation, faucets, flush valves, sealant, etc.
11. Where new existing pipe is abandoned; cap pipe and paint to matching adjacement color.
12. Install new grab bars at all ADA & AMB toilets
13. Install moisture resistant back board at all new tile.
14. Clean and reseal grout at floor tile.

Specific Notes

22 42 00 003 New touchless faucet at sink/cabinet; coordinate with mechanical

Add Alternate #1

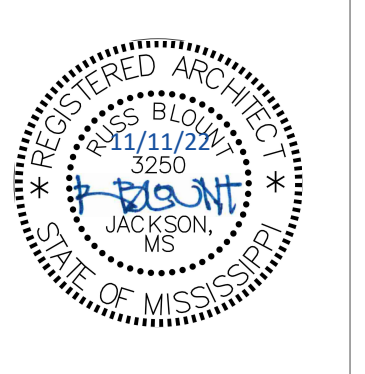
1. Paint Toilet Room Interiors (previously painted surfaces, walls and Ceilings [rooms shown on all enlarged toilet room plans]).
2. Refinish Toilet Room entry Doors (all faces [rooms shown on all enlarged toilet room plans]).
3. Install new hardware at toilet room doors [rooms shown on all enlarged toilet room plans].

Deduct Alternate #2

1. Replace all new CMU Block walls with Plastic Toilet partitons.

Deduct Alternate #3

1. Make all new Metal Stud walls intended to conceal carriers partial height:
 - A. 3'-6" at Lavatories
 - B. 4'-6" at Urinals
 - C. Cap All partial height walls with cast concrete toppers measuring 1-1/4" in thickness for full length of walls in section measuring a MIN of 4'-0" in length. Grout joints and seal to wall with mastic.



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LEGEND - HVAC

MARK	DESCRIPTION
	TYPICAL SUPPLY AIR DIFFUSER (ARROWS INDICATE AIR FLOW THRU DIRECTION)
	TYPICAL EXHAUST OR RETURN AIR REGISTER
	TYPICAL RECTANGULAR TO ROUND DUCT TRANSITION
	TYPICAL DUCTWORK INCREASER/REDUCER
	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER WITH VOLUME DAMPER
	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER
	TYPICAL RECTANGULAR TO RECTANGULAR TAKEOFF ADAPTER WITH VOLUME DAMPER AND EXTRACTOR
	TYPICAL ADJUSTABLE LOCKING QUADRANT VOLUME DAMPER
	MOTORIZED DAMPER
	WHEN PRINTED IN COLOR, SUPPLY DUCTWORK INDICATED BY BLUE COLOR, RETURN/TRANSFER DUCTWORK INDICATED BY RED COLOR AND EXHAUST DUCTWORK INDICATED BY GREEN COLOR. WHEN PRINTED IN GRAYSCALE, ALL DUCTWORK APPEARS THE SAME AND INDICATION OF DUCTWORK TYPE IS DETERMINED BY EQUIPMENT/GRILLES SERVED (SEE OTHER LEGENDS FOR MORE INFORMATION).
	RECTANGULAR DUCT WITH SIZE LISTED. THE "x" DENOTES RECTANGULAR DUCT. (THE FIRST NUMBER INDICATES DUCT WIDTH PARALLEL TO VIEW WHILE THE SECOND NUMBER INDICATES DEPTH PERPENDICULAR TO VIEW). SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
	ROUND DUCT WITH SIZE LISTED. THE "ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
	SOCK DUCT WITH SIZE LISTED. THE "ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
	AUTOMATIC HEATING/COOLING CHANGEOVER PROGRAMMABLE THERMOSTAT MOUNTED AT 48" AFF BEHIND CLEAR "BERKO" LOCKING TAMPER RESISTANT COVER
	MANUFACTURER'S AUTOMATIC CHANGEOVER THERMOSTAT MOUNTED AT 48" AFF
	HEATING FUNCTION THERMOSTAT MOUNTED AT 84" AFF BEHIND WHITE "KENALL" TAMPER PROOF COVER
	HIGH HUMIDITY SENSOR MOUNTED AT 84" AFF BEHIND WHITE "KENALL" TAMPER PROOF COVER
	DDC TEMPERATURE SENSOR MOUNTED AT 84" AFF
	TYPICAL AIR FOIL TURNING VANES
	POINT OF CONNECTION TO EXISTING
S/A	SUPPLY AIR
R/A	RETURN AIR
E/A	EXHAUST AIR
T/A	TRANSFER AIR
S.D.	SPLITTER DAMPER
MD	MOTORIZED DAMPER
B.D.	LOCKING QUADRANT BALANCING DAMPER

LEGEND - PLUMBING

MARK	DESCRIPTION
	EXISTING SITE STORM DRAIN PIPING
	NEW POTABLE COLD WATER PIPING
	NEW POTABLE HOT WATER PIPING (120°F)
	NEW MEDIUM PRESSURE GAS PIPING
	NEW GAS SERVICE PIPING (BY SERVING UTILITY)
	NEW LOW PRESSURE GAS PIPING
	NEW CONDENSATE DRAIN PIPING
	GAS COCK
	TYPICAL FINISHED GRADE CLEANOUT
	TYPICAL NATURAL GAS REGULATOR AND/OR METER
A/C	ABOVE CEILING
B/S	BELOW SLAB
B/F	BELOW FLOOR
A/G	ABOVE FINISHED GRADE
B/G	BELOW FINISHED GRADE
I/W	IN WALL
DN	DOWN
FFCO	FINISHED FLOOR CLEANOUT
FGCO	FINISHED GRADE CLEANOUT
VTR	VENT THRU ROOF
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT

GENERAL HVAC NOTES:

- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT THE SPECIFIED HVAC SYSTEM BE PROVIDED COMPLETE WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS AND COMPLETELY COORDINATED WITH ALL OTHER CRAFTS AND DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE IN STRICT CONFORMANCE. ANY ADDITIONAL MATERIALS AND/OR LABOR REQUIRED TO CONFORM WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS, SHALL BE PROVIDED COMPLETE AND WITHOUT ADDITIONAL COST TO THE CONTRACT.
- THE LOCATION OF ALL AIR DISTRIBUTION DEVICES TO BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE LOCATION OF DUCTWORK IN ALL AREAS TO MATCH CEILING GRID/LIGHT FIXTURES WHILE MAXIMIZING CEILING HEIGHT SCHEDULED ON ARCHITECTURAL PLANS.
- COORDINATE LOCATION OF ALL OUTDOOR AIR INTAKES FOR HVAC SYSTEMS AND MAINTAIN MINIMUM 15'-0" DISTANCE TO FLUES, VENTS, EXHAUST/FANS, ETC.
- SIDEWALL AND DRYWALL CONSTRUCTION AIR DISTRIBUTION DEVICES MOUNTINGS IN SAME ROOM SHALL BE UNIFORM AND SYMMETRICAL AS APPROVED BY ARCHITECT.
- COORDINATE WEIGHTS OF HVAC EQUIPMENT WITH ALL TRADES. PROVIDE ALL AUXILIARY SUPPORT STEEL TO SUPPORT ALL EQUIPMENT AND PROVIDE BLOCKING AND SUPPORT FOR SAME. INDICATE ALL SUCH PENETRATIONS AND WEIGHTS ON SHOP DRAWING SUBMITTALS. ALL SOFFIT, EXTERIOR WALL, AND ROOF EQUIPMENT AND LOUVERS SHALL INCLUDE AUXILIARY SUPPORT STEEL FRAMING AROUND PERIMETER OF ALL OPENINGS. PRIME AND PAINT ALL AUXILIARY STEEL MEMBERS UTILIZED EVERYWHERE IN THIS PROJECT.
- DUCTWORK AND OTHER MECHANICAL OPENINGS THROUGH MASONRY WALLS SHALL BE REINFORCED/SUPPORTED AS DETAILED ON STRUCTURAL DRAWINGS. COORDINATE THE LOCATIONS AND SIZES OF THESE PENETRATIONS MAKING ALLOWANCES FOR INSULATION, FIRE DAMPERS, PIPING SLEEVES, ETC.
- DUCTWORK EXPOSED OUTSIDE (TO WEATHER) SHALL BE COMPREHENSIVELY SEALED AIRTIGHT, INCLUDING ALL CONNECTIONS AND CIRCUMFERENTIAL AND LONGITUDINAL SEAMS, ETC. A RECOMMENDED SEALANT SYSTEM, SUCH AS HARDCAST DT-5300, SHALL BE APPLIED WITH FTO-20 FLEXIBLE ADHESIVE, OR EQUAL. DUCTWORK SHALL BE SUITABLY SUPPORTED WITH HEEL AND WALL GALVANIZED/GALVANIZED AUXILIARY SUPPORTS. ENTIRE INSTALLATION SHALL BE NEAT, INCLUDING SEALANT. ALL DUCTWORK SHALL BE ATTACHED TO HVAC UNIT CONNECTIONS WITH WEATHERPROOF FLEXIBLE CONNECTIONS. DUCTWORK AND AUXILIARY SUPPORTS SHALL BE NEATLY PRIMED AND PAINTED.

GENERAL SITE NOTES:

- PROVIDE ALL WATER, SANITARY AND STORM SEWER, AND NATURAL GAS PIPING SITE UTILITIES AS INDICATED AND SPECIFIED. COORDINATE WITH SERVING UTILITIES TO PROVIDE ALL TAPS AND CONNECTIONS. COORDINATE WITH SERVING UTILITY AUTHORITIES SUCH THAT THE CAPACITY REQUIRED OF THE NEW ADDITIONS OR MODIFICATIONS TO EXISTING CAN BE SUITABLY PROVIDED. ALL FEES, PERMITS, ETC. SHALL BE INCLUDED.
- COORDINATE INSTALLATION OF ALL UTILITIES WITH ENGINEER SUCH THAT BEDDING OF ALL PIPING CAN BE VERIFIED AND ALL PIPING TESTS CAN BE WITNESSED PRIOR TO BACKFILLING. PROVIDE PRIOR ADVANCE NOTICE AS PER SPECIFICATIONS.
- ALL NEW GAS AND WATER PIPING SHALL HAVE A MINIMUM OF THREE (3) FEET GROUND COVER. DRAINAGE PIPING SHALL HAVE A MINIMUM OF EIGHTEEN (18) INCHES GROUND COVER AS INDICATED ON DRAWINGS.
- THE ROUTING OF ALL UNDERGROUND PIPING SHALL BE OPTIMIZED TO MINIMIZE INTERACTION WITH LOCATION OF SHRUBBERY AND TREES, ETC. TEMPORARILY REMOVE AND THEN REINSTALL SHRUBBERY AND VERY SMALL TREES TO AVOID DAMAGE. THE ROUTING OF THE NEW PIPING SHALL BE OPTIMIZED, WHERE POSSIBLE, TO AVOID ROUTING WITHIN THE DRIP LINE OF THE TREES SHOWN TO REMAIN.
- COORDINATE SANITARY SEWER PIPING ROUTING WITH ARCHITECTURAL/CIVIL DRAINAGE PLANS WHERE SEWER AND STORM DRAINAGE PIPING INTERACT. VERIFY THAT SANITARY SEWER AND STORM DRAINAGE PIPING ELEVATIONS DO NOT CONFLICT. ANY DISCREPANCIES SHALL BE RELAYED TO PROFESSIONAL PROMPTLY.

GENERAL PLUMBING NOTES:

- PROVIDE ALL PLUMBING PIPING, FIXTURES, TRIM, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL PLUMBING SYSTEM. VERIFY WITH ARCHITECT AND DRAWINGS, WHICH PLUMBING INSTALLATIONS ARE DESIGNATED FOR ADA ACCESSIBILITY. ALL SUCH FIXTURE INSTALLATIONS SHALL INCLUDE ALL INSTALLATION ACCESSORIES, MOUNTING/UP HEIGHT, CONTROL, OFFSET, SIZE AND ACCESSIBILITY AS REQUIRED BY LATEST EDITION OF AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL GOVERNING AUTHORITIES.
- ALL PLUMBING VENTS, WHERE NOTED VENT UP (V, UP), SHALL BE COMBINED WITHIN WALL OR ABOVE CEILING CONCEALED AREAS, WHERE FEASIBLE, SO AS TO MINIMIZE ROOF PENETRATIONS. COORDINATE LOCATION OF ROOF PLUMBING AND FLUE VENTS SUCH THAT ALL VENTS ARE MINIMUM 15 FEET FROM ANY VENTILATION INTAKE DEVICES. ALL ROOF PENETRATIONS, VENTS, FLUES, ETC. SHALL BE MADE ON BACK SIDE OF ROOF AS CAN BE COORDINATED WITH ARCHITECT. ALL FLUES AND VENTS EXPOSED ABOVE ROOF SHALL BE FIELD PAINTED COLOR BY ARCHITECT.
- ALL PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS, EXCEPT AS OTHERWISE NOTED AND AT APPROPRIATE EQUIPMENT FINAL CONNECTIONS. HOLD ALL PIPING ABOVE CEILINGS AS HIGH AS POSSIBLE AND COORDINATE WITH OTHER CRAFTS.
- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC. TO AVOID INTERFERENCE WITH STRUCTURAL MEMBERS, EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
- VERIFY/COORDINATE PIPE SIZES AND CONNECTIONS WITH "PLUMBING FIXTURE ROUGH-IN SCHEDULE" FOR WASTE, VENT AND WATER PIPING ROUGH-IN SIZES NOT SHOWN ON PLANS OR IN RISER DIAGRAMS, ETC. CONTACT PROFESSIONAL SHOULD QUESTIONS OR CONFLICTS ARISE. PROVIDE ROUGH-IN, FINAL CONNECTIONS AND INSTALLATION APPURTENANCES AS RECOMMENDED BY APPLIANCE AND/OR EQUIPMENT MANUFACTURER FOR DISHWASHERS, ICE MAKERS, AND MACHINES, WASHERS, DRYERS, ETC. VERIFY LOCATION ON ARCHITECTURAL DRAWINGS AND CONNECTION REQUIREMENTS FROM APPROVED BROCHURES OF THE EQUIPMENT AND/OR APPLIANCE MANUFACTURER.
- COORDINATE SLOPE OF ALL DRAINAGE AND VENT PIPING BELOW GRADE AT INVERT ELEVATIONS INDICATED. CONSISTENTLY SLOPE ALL OTHER PIPING, NOT INDICATED, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
- ALL VERTICAL RISERS TO FLOOR DRAINS AND FLOOR MOUNTED SINKS SHALL BE MAXIMUM 24" LONG.
- ALL ABOVE GRADE HORIZONTAL DRAINAGE AND VENT PIPING ROUTING SHALL BE COORDINATED WITH OTHER CRAFTS AND STRUCTURAL/ARCHITECTURAL DRAWING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
- WHEN SLEEVES, PIPES, CONDUITS, ETC. PENETRATE GRADE BEAMS OR TIE BEAMS, INCREASE THE DEPTH OF THE PENETRATED BEAM BY NO LESS THAN TWICE THE DIAMETER OF THE PENETRATION FOR A DISTANCE OF 4'-0" CENTERED ON THE PENETRATION, WHERE THE PENETRATION INTERRUPTS REINFORCING STEEL, AN EQUAL NUMBER OF LIKE SIZE REINFORCING BARS SHALL BE BENT UNDER THE PENETRATION AND LAP SPLICED 30 BAR DIAMETERS ON EACH SIDE. CONCRETE COVER REQUIREMENTS ON ALL SIDES SHALL BE THE SAME AS SHOWN FOR THE UNMODIFIED GRADE BEAM OR TIE BEAM. SEE STRUCTURAL DRAWINGS FOR FURTHER SPECIFICS, ETC. PROVIDE NEW SCHEDULE 40 PVC PIPE SLEEVE A MIN. TWO SIZES LARGER THAN CARRIER PIPE AT ALL SUCH CROSSINGS, TO EXTEND MIN. 6" PAST FOUNDATION ON BOTH ENDS. PROVIDE OAKUM AND SEALANT IN ANNULAR SPACE OF SLEEVES AND WATER PROOF ON ALL BUILDING PERIMETER AND INTERIOR FOOTING AND GRADE BEAM APPLICATIONS.
- ALL CLEANOUTS IN SANITARY, STORM AND CONDENSATE DRAIN PIPING SHALL BE FULL PIPE SIZE UP TO 4" AND SHALL BE 4" SIZE ON 6" AND LARGER PIPING.

GENERAL PLUMBING RENOVATION NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT OF ALL FIXTURES AND DESIGNATION OF ADA COMPLIANT FIXTURES. VERIFY/COORDINATE EXISTING DUCTWORK LOCATIONS AND MODIFY ACCORDINGLY TO MATCH NEW MOUNTING HEIGHTS AND ADA COMPLIANCE.
- CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL NEW AND EXISTING PLUMBING UTILITIES WITHIN THE SCOPE OF WORK. THE USE OF EXISTING DRAWINGS WHERE AVAILABLE AND SCHOOL MAINTENANCE DRAWINGS SHALL BE UTILIZED IN LOCATING PIPING INSIDE THE BUILDING WHERE CONNECTIONS TO EXISTING ARE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESEARCH LOCATION OF EXISTING UTILITIES AND EXISTING CONDITIONS.
- IN ALL AREAS OF RENOVATION, UNLESS OTHERWISE INDICATED, EXISTING PLUMBING SERVICES SHALL BE MODIFIED AND EXTENDED IN CHASES, WALLS, BELOW SLAB/FLOOR AND/OR ABOVE CEILING AS REQUIRED TO CONNECT TO NEW PLUMBING FIXTURES AND/OR RECONNECT EXISTING PLUMBING FIXTURES WHERE INDICATED.
- UNLESS OTHERWISE INDICATED, IN MULTI-FIXTURE PLUMBING BATTERIES, OPEN WALL, CONNECT TO AND MODIFY EXISTING NEARBY DOMESTIC WATER PIPING AND PROVIDE NEW FULL-SIZE WATER SERVICE PIPING HEADER IN CHASE OR ABOVE CEILING, ETC. WITH BRANCH PIPING CONNECTIONS TO INDIVIDUAL FIXTURES AS INDICATED ON PLUMBING FIXTURE ROUGH-IN SCHEDULE. PROVIDE NEW WATER HAMMER ARRESTORS FOR EACH GROUP OF FIXTURES. PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
- OPEN WALLS AND MODIFY EXISTING WATER PIPING AS NEW ADA WATER CLOSET INSTALLATIONS WHERE REQUIRED FOR NEW ADA COMPLIANT FLUSH VALVE INSTALLATION. PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
- UNLESS OTHERWISE INDICATED, ALL NEW WALL MOUNTED FIXTURE (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) SHALL BE PROVIDED WITH NEW FLOOR MOUNTED FIXTURE CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
- UNLESS OTHERWISE INDICATED, CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF, REUTILIZING EXISTING ROOF PENETRATION. FIELD VERIFY LOCATION AND PROVIDE NEW FLASHING, COLLAR, ETC. AS REQUIRED.

CODE REVIEW

DESIGN CODE	2009 INTERNATIONAL CODE COUNCIL (ICC)
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DRAWING INDEX - MECHANICAL

Sheet Number	Sheet Name
M-000	General Mechanical Information
M-001a	Morgantown - Overall Mechanical Demolition Plan
M-001a	Morgantown - Overall New HVAC Work
M-101a	Morgantown - Partial New HVAC Work Plans
M-102a	Morgantown - Partial New HVAC Work Plans
M-103a	Morgantown - Partial New HVAC Work Plans
M-104a	Morgantown - Partial New HVAC Work Plans
M-105a	Morgantown - Partial New HVAC Work Plans
M-201a	Morgantown - Enlarged Toilets
M-202a	Morgantown - Enlarged Toilets
M-203a	Morgantown - Enlarged Toilets
M-201b	McLaurin - Lower Level - Overall Mechanical Demolition Plan
M-2002b	McLaurin - Upper Level - Overall Mechanical Demolition Plan
M-001b	McLaurin Lower Level - Overall New HVAC Work
M-002b	McLaurin Upper Level - Overall New HVAC Work
M-101b	McLaurin Lower Level - Partial New HVAC Work Plans
M-102b	McLaurin Lower Level - Partial New HVAC Work Plans
M-103b	McLaurin Upper Level - Partial New HVAC Work Plans
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M-105b	McLaurin Upper Level - Partial New HVAC Work Plans
M-2001c	Susie B. West - Overall Mechanical Demolition Plan
M-2001c	Susie B. West - Overall New HVAC Work
M-101c	Susie B. West - Partial New HVAC Work Plans
M-102c	Susie B. West - Partial New HVAC Work Plans
M-201c	Susie B. West - Enlarged Toilets
M-301	Mechanical Schedules
M-302	Mechanical Schedules
M-303	Mechanical Schedules
M-401	Mechanical Details
M-402	Mechanical Details
M-403	Mechanical Details

GENERAL HVAC DEMOLITION NOTES:

- WHERE HVAC EQUIPMENT IS NOTED HEREIN TO BE DEMOLISHED, ALSO REMOVE ALL ASSOCIATED DUCTWORK, DIFFUSERS, HANGERS, CONTROLS, WIRING, HANGERS, ACCESSORIES, ETC. UNLESS NOTED OTHERWISE.
- WHERE HVAC EQUIPMENT IS NOTED HEREIN TO BE REPLACED WITH NEW, EXISTING ASSOCIATED DUCTWORK, DIFFUSERS, HANGERS, ACCESSORIES, ETC. SHALL REMAIN.
- WHERE DIRECTED TO CAP SERVICES AS NOTED HEREIN, CAP ALL PIPING ASSOCIATED WITH DEMOLISHED FIXTURE IN WALL, ABOVE CEILING OR BELOW FLOOR AS REQUIRED FOR FINISHED APPEARANCE. DISCONNECT AND REMOVE ALL PIPING NOT UTILIZED IN NEW SCOPE OF WORK.
- PATCH AND REPAIR ALL AREAS AFFECTED TO MATCH ADJACENT OR AS DIRECTED/APPROVED BY ARCHITECT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, WALL REPAIR, CONCRETE REPAIR, PAINTING, ETC. COORDINATE FINISHES WITH ARCHITECTURAL DRAWINGS.
- ALL REMOVED HVAC EQUIPMENT SHALL BE OFFERED TO OWNER. THOSE NOT ACCEPTED BY OWNER SHALL BE DISPOSED OF OFF SITE PER LOCAL CODES AND ORDINANCES. ALL OTHER DEMOLISHED MECHANICALLY RELATED MATERIALS SHALL BE DISPOSED OF SIMILARLY.

GENERAL PLUMBING DEMOLITION NOTES:

- WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE DEMOLISHED, ALSO REMOVE ALL ASSOCIATED PIPING, ACCESSORIES, TRIM, HANGERS, ETC. UNLESS NOTED OTHERWISE.
- WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE REPLACED, EXISTING ASSOCIATED PIPING, ACCESSORIES, ETC. SHALL REMAIN.
- WHERE DIRECTED TO CAP SERVICES AS NOTED HEREIN, CAP ALL PIPING ASSOCIATED WITH DEMOLISHED FIXTURE IN WALL, ABOVE CEILING OR BELOW FLOOR AS REQUIRED FOR FINISHED APPEARANCE. DISCONNECT AND REMOVE ALL PIPING NOT UTILIZED IN NEW SCOPE OF WORK.
- PATCH AND REPAIR ALL AREAS AFFECTED TO MATCH ADJACENT OR AS DIRECTED/APPROVED BY ARCHITECT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, WALL REPAIR, CONCRETE REPAIR, PAINTING, ETC. COORDINATE FINISHES WITH ARCHITECTURAL DRAWINGS.
- ALL REMOVED PLUMBING EQUIPMENT AND FIXTURES SHALL BE OFFERED TO OWNER. THOSE NOT ACCEPTED BY OWNER SHALL BE DISPOSED OF OFF SITE PER LOCAL CODES AND ORDINANCES. ALL OTHER DEMOLISHED MECHANICALLY RELATED MATERIALS SHALL BE DISPOSED OF SIMILARLY.
- PIPING LOCATED IN WALLS TO REMAIN, OR BELOW SLAB/FLOOR, THAT DOES NOT CONFLICT WITH NEW WORK, MAY REMAIN AND BE CAPPED FOR CONCEALMENT AND DISCONNECTED FROM ACTIVE SERVICE, ETC.
- PROVIDE ANY TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN PLUMBING SERVICES TO NEW AND EXISTING FIXTURES AND INSTALLATIONS BEING UTILIZED OUTSIDE THE AREA BEING RENOVATED.

PHASED CONSTRUCTION AND PARTIAL OWNER OCCUPANCY

- OWNER WILL OCCUPY THE PREMISES DURING ENTIRE CONSTRUCTION PERIOD, WITH THE EXCEPTION OF AREAS UNDER CONSTRUCTION. CONTRACTOR SHALL COOPERATE WITH OWNER DURING CONSTRUCTION OPERATIONS TO MINIMIZE CONFLICTS AND FACILITATE OWNER USAGE. PERFORM THE WORK SO AS NOT TO INTERFERE WITH OWNER'S OPERATIONS.
- WHERE HVAC IS IMPACTED BY SCOPE OF WORK, CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPERATURE AND HUMIDITY LEVELS AS INDICATED IN SPECIFICATIONS PARAGRAPH TEMPORARY ENVIRONMENTAL CONDITIONING.
- IN GENERAL, EXISTING HVAC EQUIPMENT SHALL REMAIN ACTIVE UNTIL NEW EQUIPMENT IS FULLY OPERATIONAL OR TEMPORARY HVAC EQUIPMENT SHALL BE INSTALLED SUCH THAT TEMPERATURE AND HUMIDITY LEVELS ARE MAINTAINED AT ALL TIMES.



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Natchez-Adams School District ESSER 3
10 Hornochitto St. Natchez, MS 39120

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Project No	21052
Date	11/11/2022
Revisions	Rev Date
Drawn	CMG
Checked	JK/KS

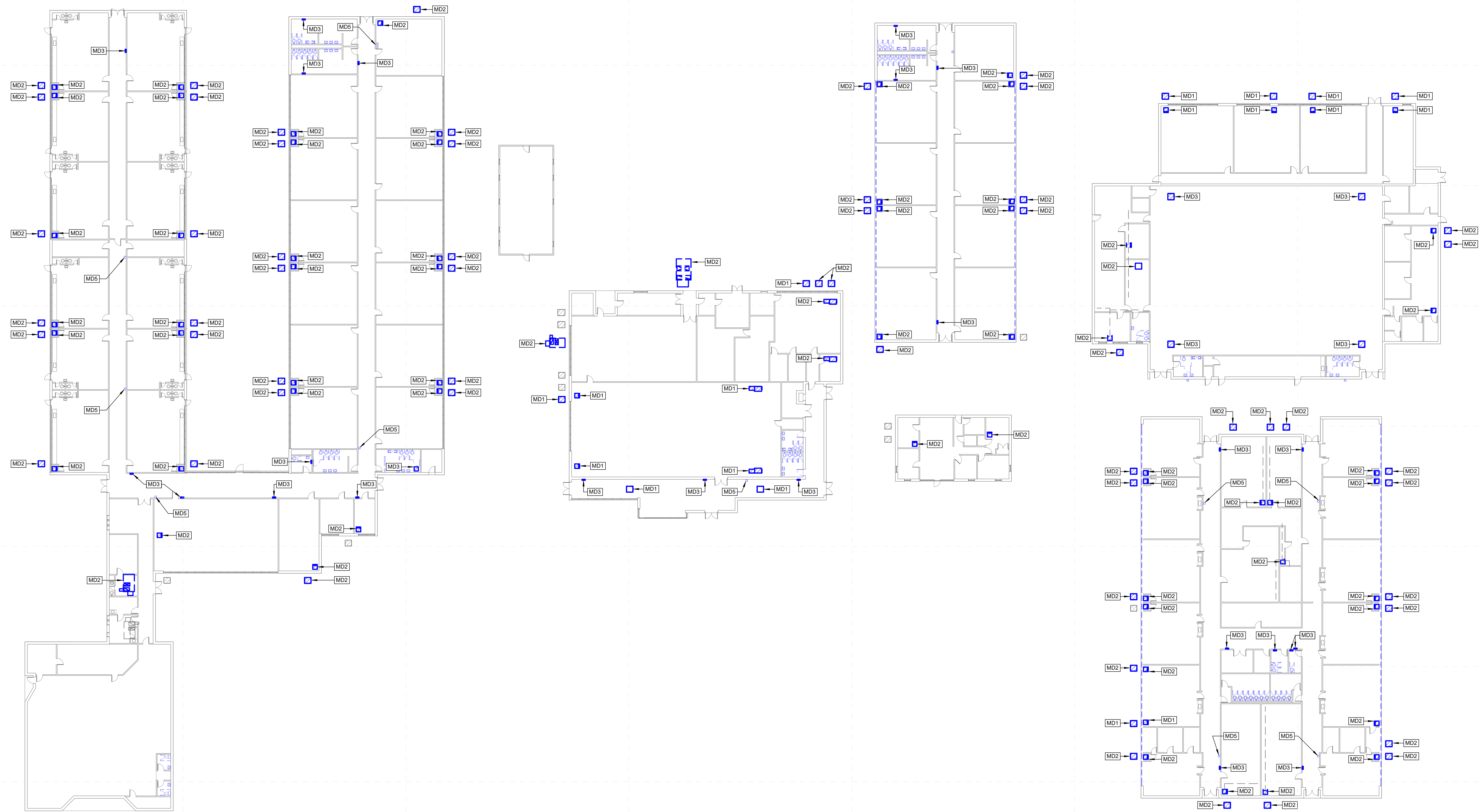
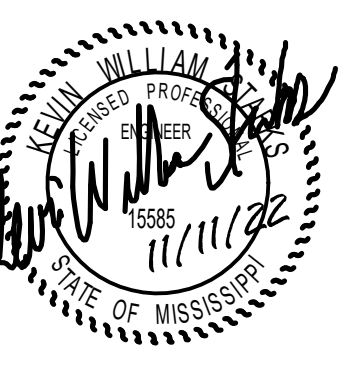


M-000

General Mechanical
Information

GSK# 110-099

SPECIFIC MECHANICAL DEMOLITION NOTES	
MD1	DEMOLISH EXISTING AIR CONDITIONING EQUIPMENT AS INDICATED.
MD2	REPLACE EXISTING AIR CONDITIONING EQUIPMENT WITH NEW IN SAME LOCATION.
MD3	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL (WHERE APPLICABLE).
MD5	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.



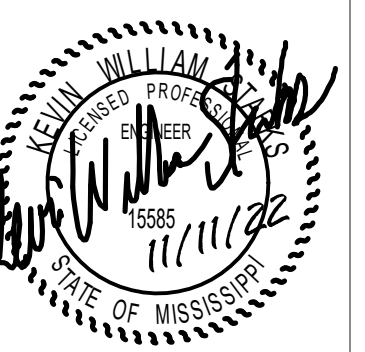
Morgantown - Overall Mechanical Demolition Plan
1
MD001a
1" = 20'-0"

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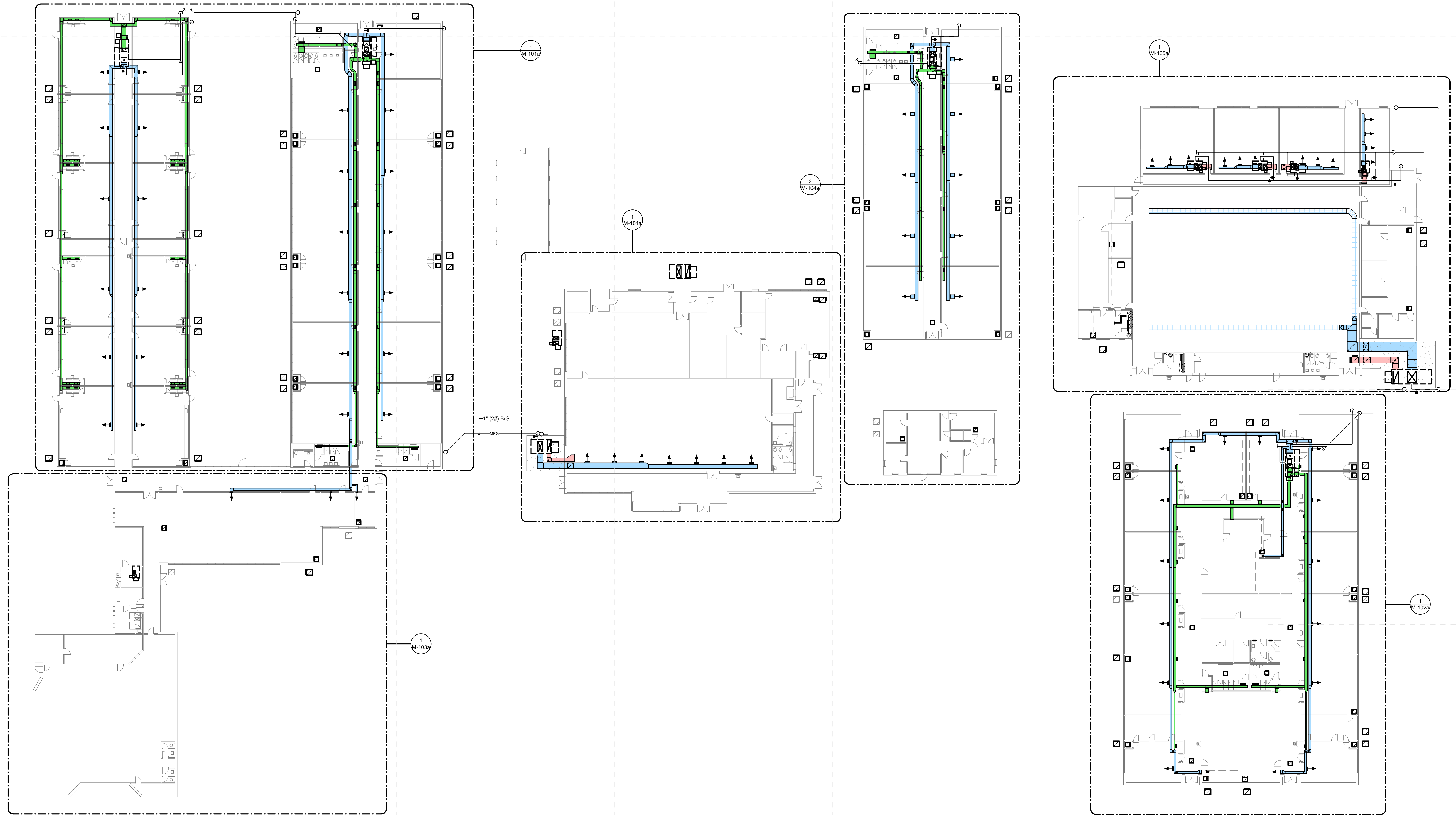
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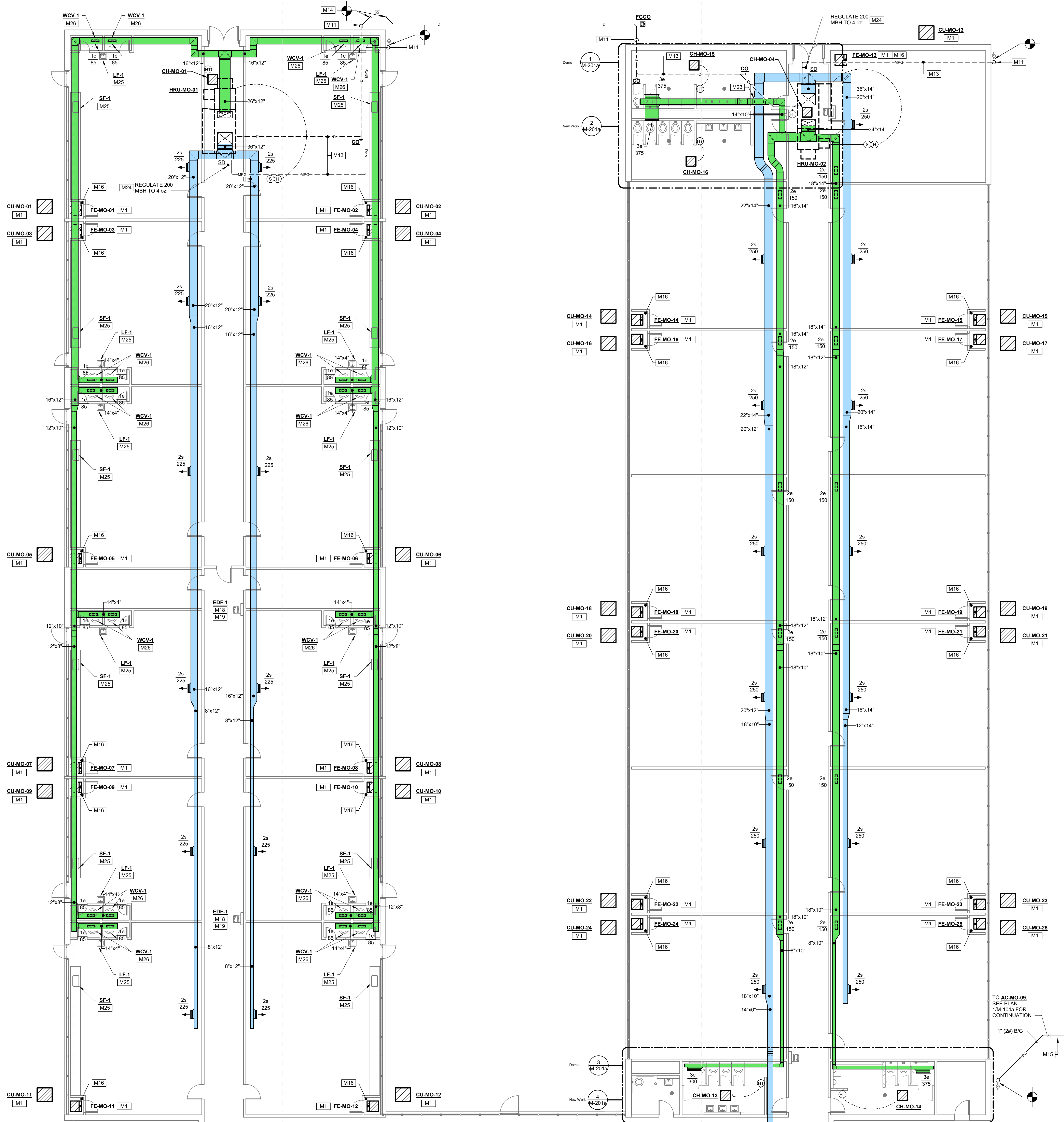
M-001a

Morgantown - Overall
New HVAC Work



Morgantown - Overall Mechanical New Work Plan
1 M-001a 1" = 20'-0"





SPECIFIC MECHANICAL NOTES	
M1	REPLACE EXISTING GAS-FIRED SPLIT SYSTEM. PROVIDE NEW SUPPLY AIR DUCTWORK TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RECONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE) WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH OILK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. PROVIDE NEW INSULATION ON EXISTING REFRIGERANT PIPING. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M11	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48" O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
M13	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.
M14	CONNECT TO EXISTING DRAINAGE PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
M15	BORE AND SLEEVE ACROSS EXISTING WALK TO INSTALL NEW GAS PIPING. SLEEVE SHALL EXTEND MINIMUM 36" BEYOND EDGE OF PAVING EACH SIDE AND BE OF SIZE TO MATCH APPLICATION.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M18	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M23	ROLL DUCTWORK UP/DOWN UTILIZING MAXIMUM 45 DEGREE ELBOWS AS REQUIRED TO AVOID CONFLICT. PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.
M24	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET. SUPPLIES, STOPS, TRAPS AND TAILPIECES AND STAINLESS STEEL CAPS OVER NON-UTILIZED HOLE DRILLINGS.
M25	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.

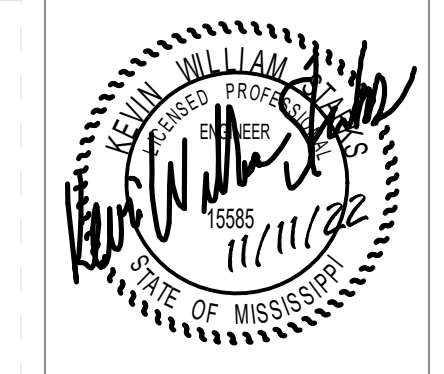
GENERAL NOTES - DUCTWORK:

- ALL DUCT ROUTING INDICATED IS DIAGRAMMATIC IN NATURE. FIELD VERIFY / COORDINATE ALL DUCTWORK ROUTING WITH EXISTING CONDITIONS, INSTALLATIONS, AND OBSTRUCTIONS. ROUTING OF DUCTWORK MAY REQUIRE ALTERATION BASED ON EXISTING CONDITIONS. COORDINATE ANY REQUIRED ALTERATIONS WITH ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK.
- ALL DUCTWORK ROUTED EXPOSED TO BE INTERIOR LINED AS SPECIFIED. CLEAN, PRIME, AND PAINT ALL EXPOSED DUCTWORK AS DIRECTED / APPROVED BY ARCHITECT.

**Morgantown - Partial
New Work Plan (1)**
1/8" = 1'-0"

TO AC-MO-09
SEE PLAN
1/8"=1'-0" FOR
CONTINUATION

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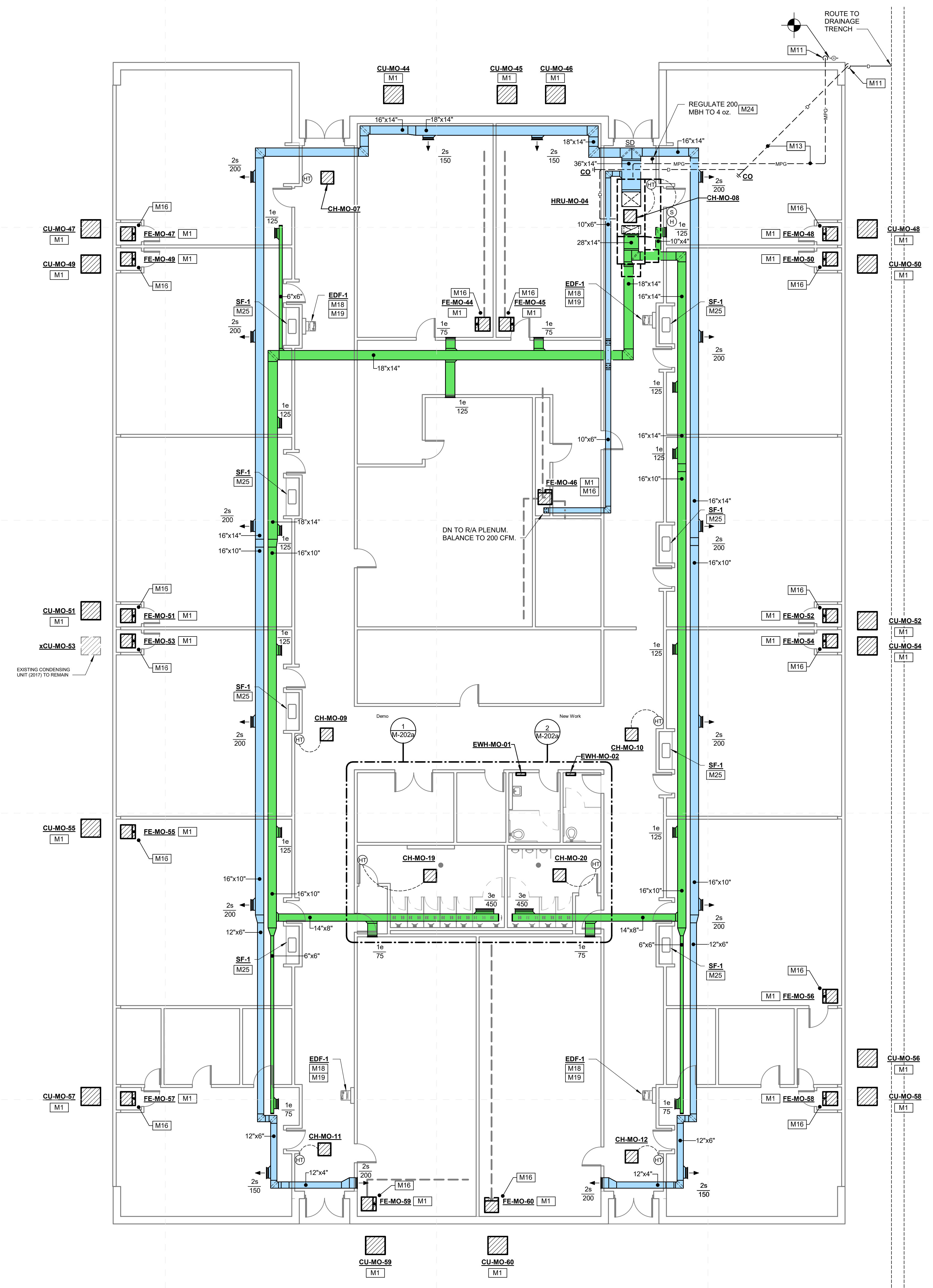


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M-101a
Morgantown - Partial New
HVAC Work Plans



SPECIFIC MECHANICAL NOTES	
M1	REPLACE EXISTING GAS-FIRED SPLIT SYSTEM. PROVIDE NEW SUPPLY AIR DUCTWORK TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RECONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH OILK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. PROVIDE NEW INSULATION ON EXISTING REFRIGERANT PIPING. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M11	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48" O.C. PRIME/PAIN EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
M13	ALL CONDENSATE AND GAS PIPING SHALL BE TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL AND SPECIFICATIONS.
M16	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M24	PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.
M25	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET. SUPPLIES, STOPS, TRAPS AND TAILPIECES AND STAINLESS STEEL CAPS OVER NON-UTILIZED HOLE DRILLINGS.

- GENERAL NOTES - DUCTWORK:**
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 - ALL DUCTWORK ROUTED EXPOSED TO BE INTERIOR LINED AS SPECIFIED. CLEAN, PRIME, AND PAINT ALL EXPOSED DUCTWORK AS DIRECTED / APPROVED BY ARCHITECT.

1 Morgantown - Partial New Work Plan (2)
 M-102a 1/8" = 1'-0"

DALE BAILEY
 AN ASSOCIATION

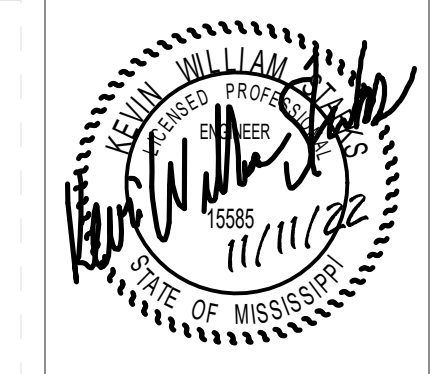
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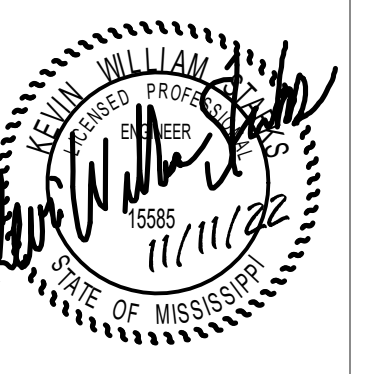
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M-102a

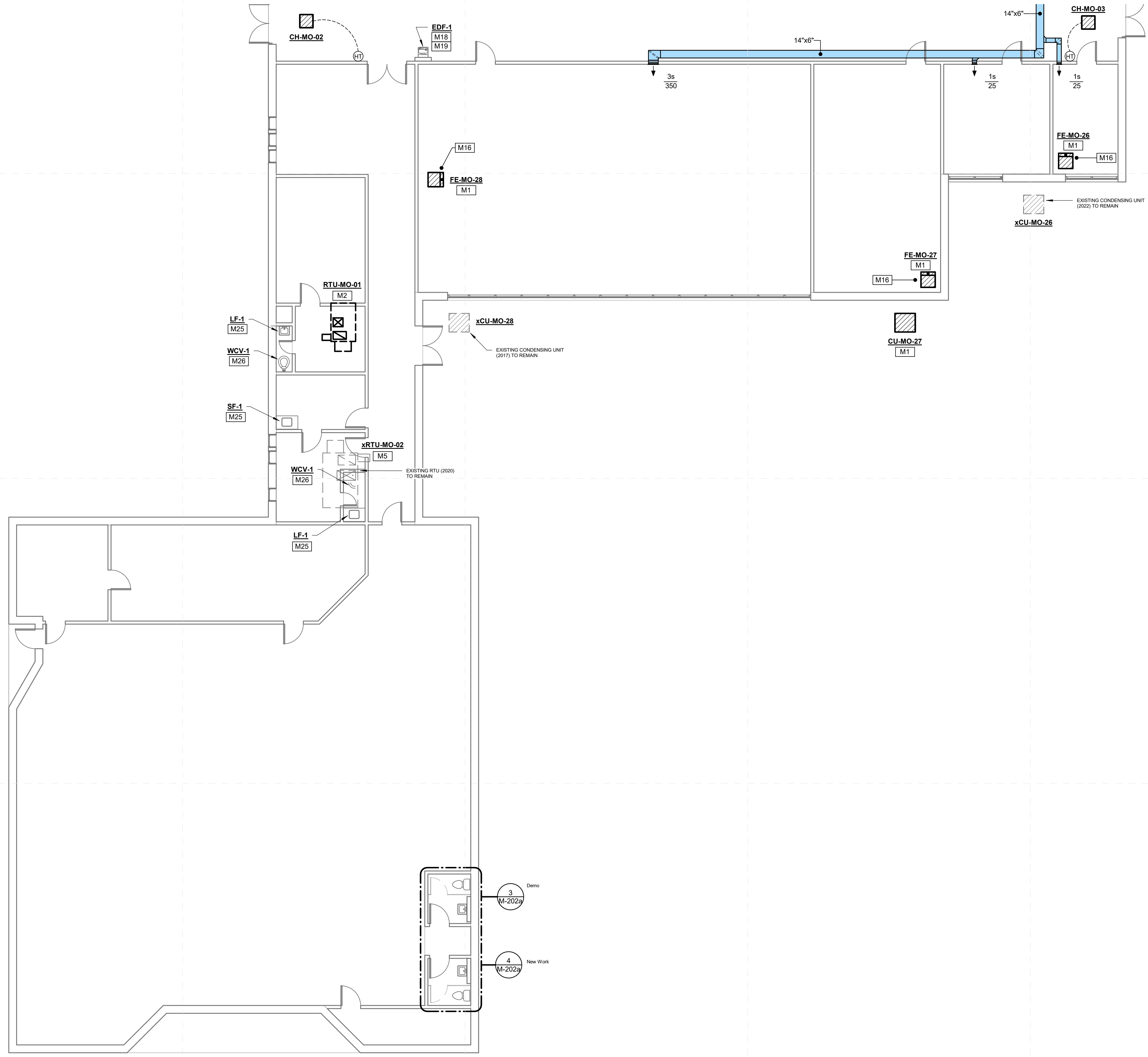
Morgantown - Partial New
 HVAC Work Plans



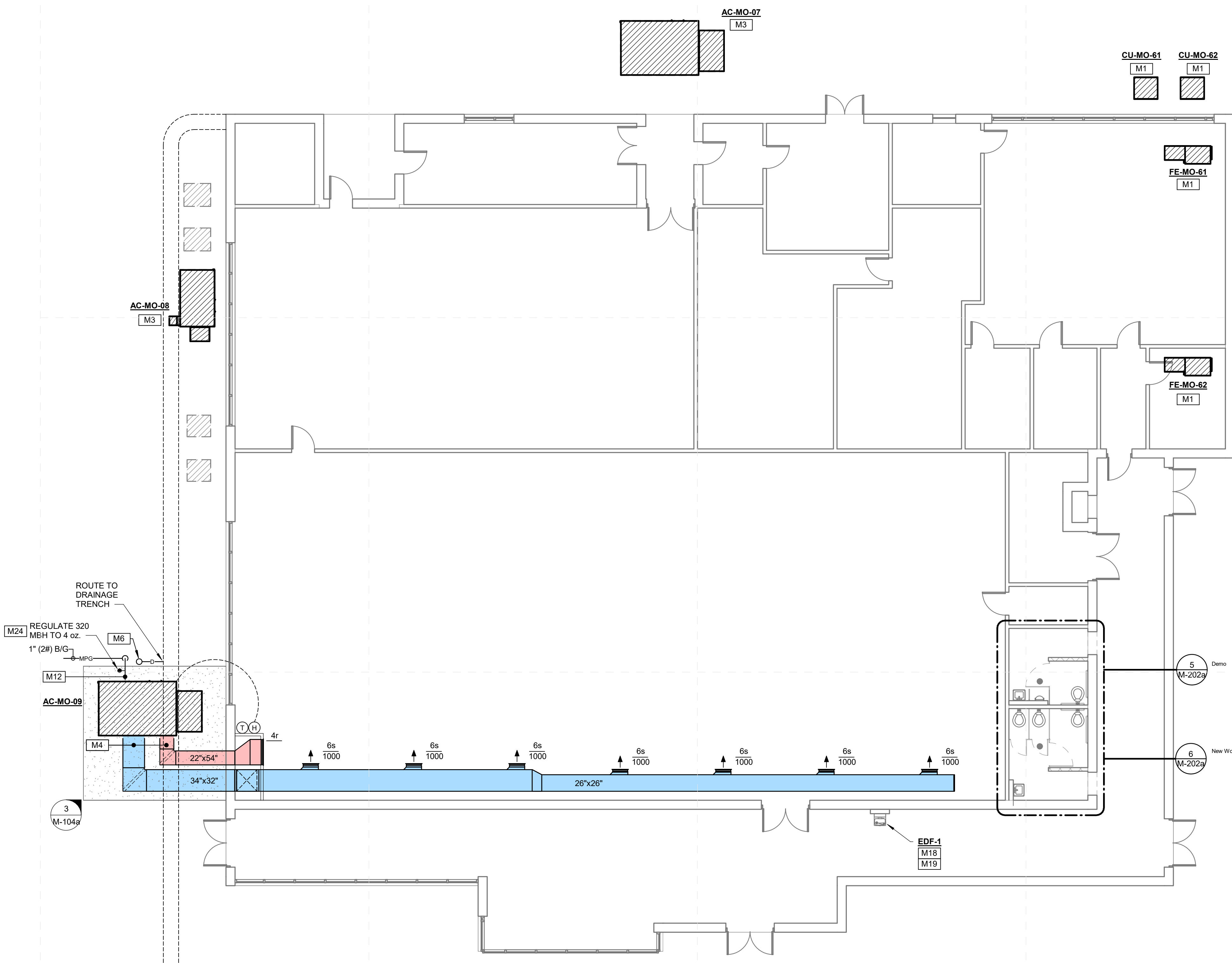
SPECIFIC MECHANICAL NOTES	
M1	REPLACE EXISTING GAS-FIRED SPLIT SYSTEM AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RECONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH QUIK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. PROVIDE NEW INSULATION ON EXISTING REFRIGERANT PIPING. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M2	REPLACE EXISTING ROOFTOP UNIT. INSTALL ON EXISTING ROOF CURB WHERE UNIT WAS REMOVED UTILIZING ADAPT-A-CURB. REPLACE EXISTING CONDENSATE DRAIN PIPING WITH NEW (SIZE TO MATCH EXISTING) AND ROUTE TO SAME DISCHARGE OUTLET WITH NEW SUPPORT. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTIONS.
M5	INSTALL NEW NEEDLEPOINT IONIZATION DEVICE IN EXISTING HVAC EQUIPMENT. SEE SCHEDULE.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M18	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M25	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES AND STAINLESS STEEL CAPS OVER NON-UTILIZED HOLE DRILLINGS.
M26	REPLACE EXISTING WATER CLOSURE/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.

GENERAL NOTES - DUCTWORK:

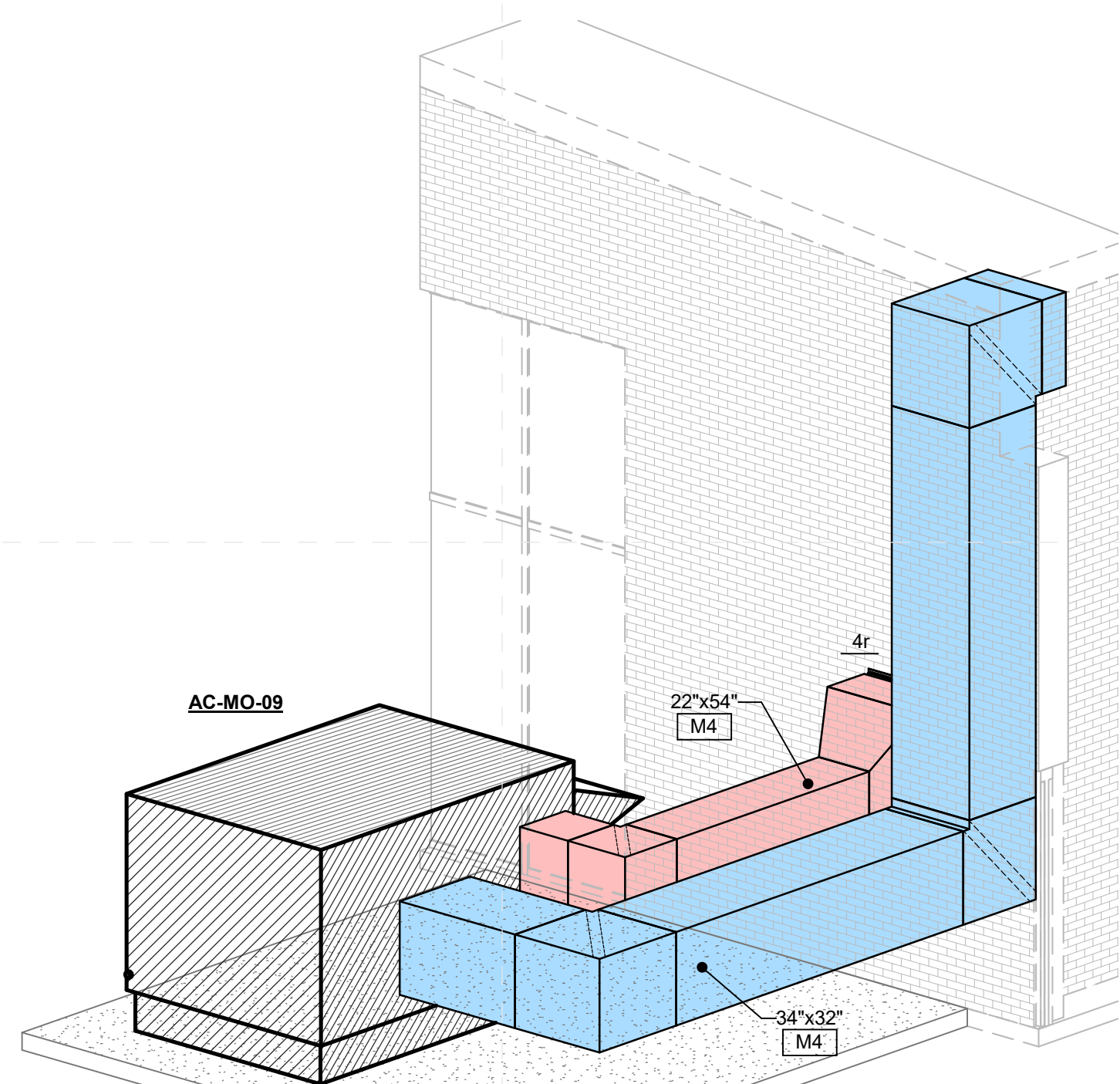
- ALL DUCT ROUTING INDICATED IS DIAGRAMATIC IN NATURE. FIELD VERIFY / COORDINATE ALL DUCTWORK ROUTING WITH EXISTING CONDITIONS, INSTALLATIONS, AND OBSTRUCTIONS. ROUTING OF DUCTWORK MAY REQUIRE ALTERATION BASED ON EXISTING CONDITIONS. COORDINATE ANY REQUIRED ALTERATIONS WITH ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK.
- ALL DUCTWORK ROUTED EXPOSED TO BE INTERIOR LINED AS SPECIFIED. CLEAN, PRIME, AND PAINT ALL EXPOSED DUCTWORK AS DIRECTED / APPROVED BY ARCHITECT.



Morgantown - Partial New Work Plan (3)
1/8" = 1'-0"



1 Morgantown - Partial New Work Plan (4)
1/8" = 1'-0"

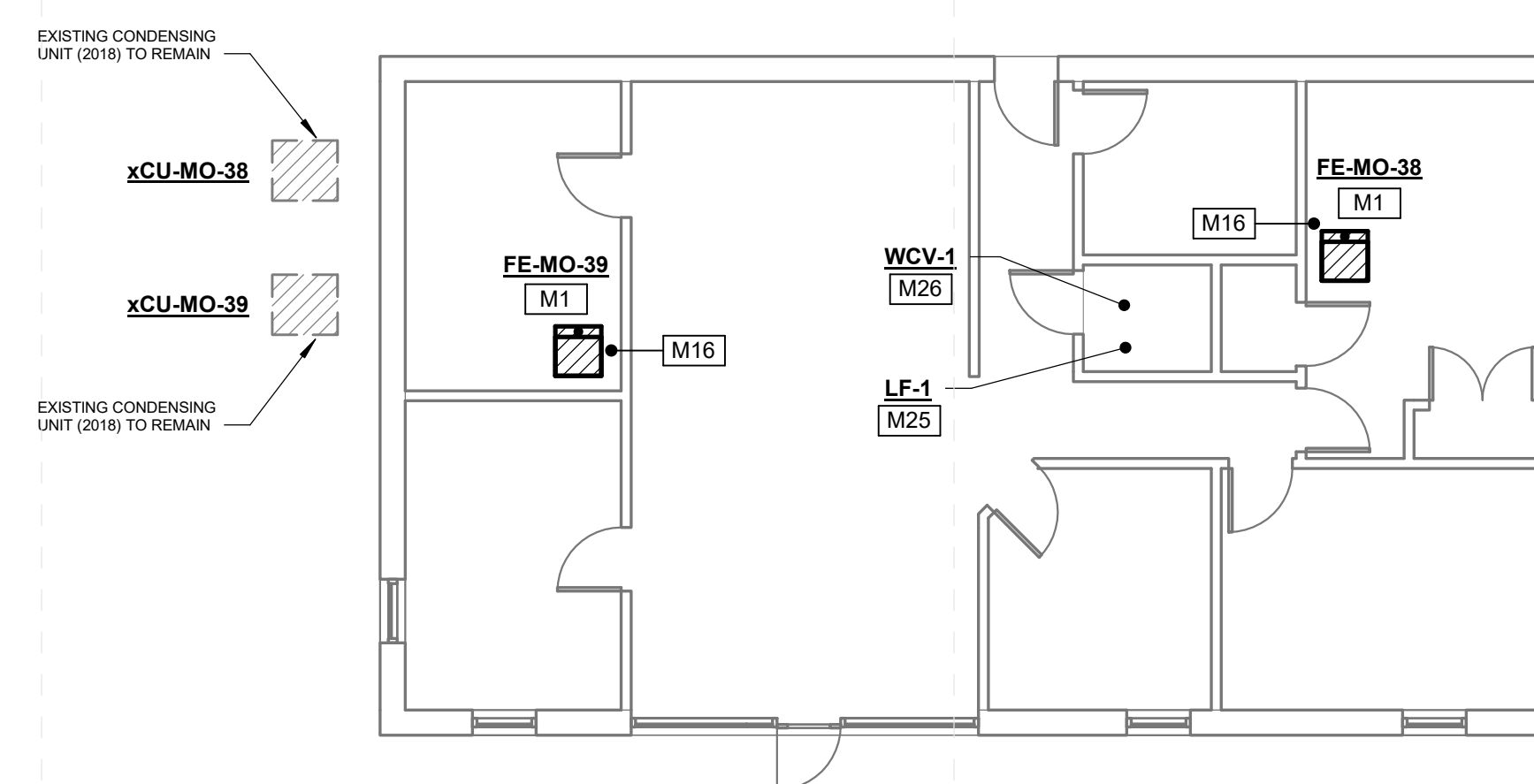
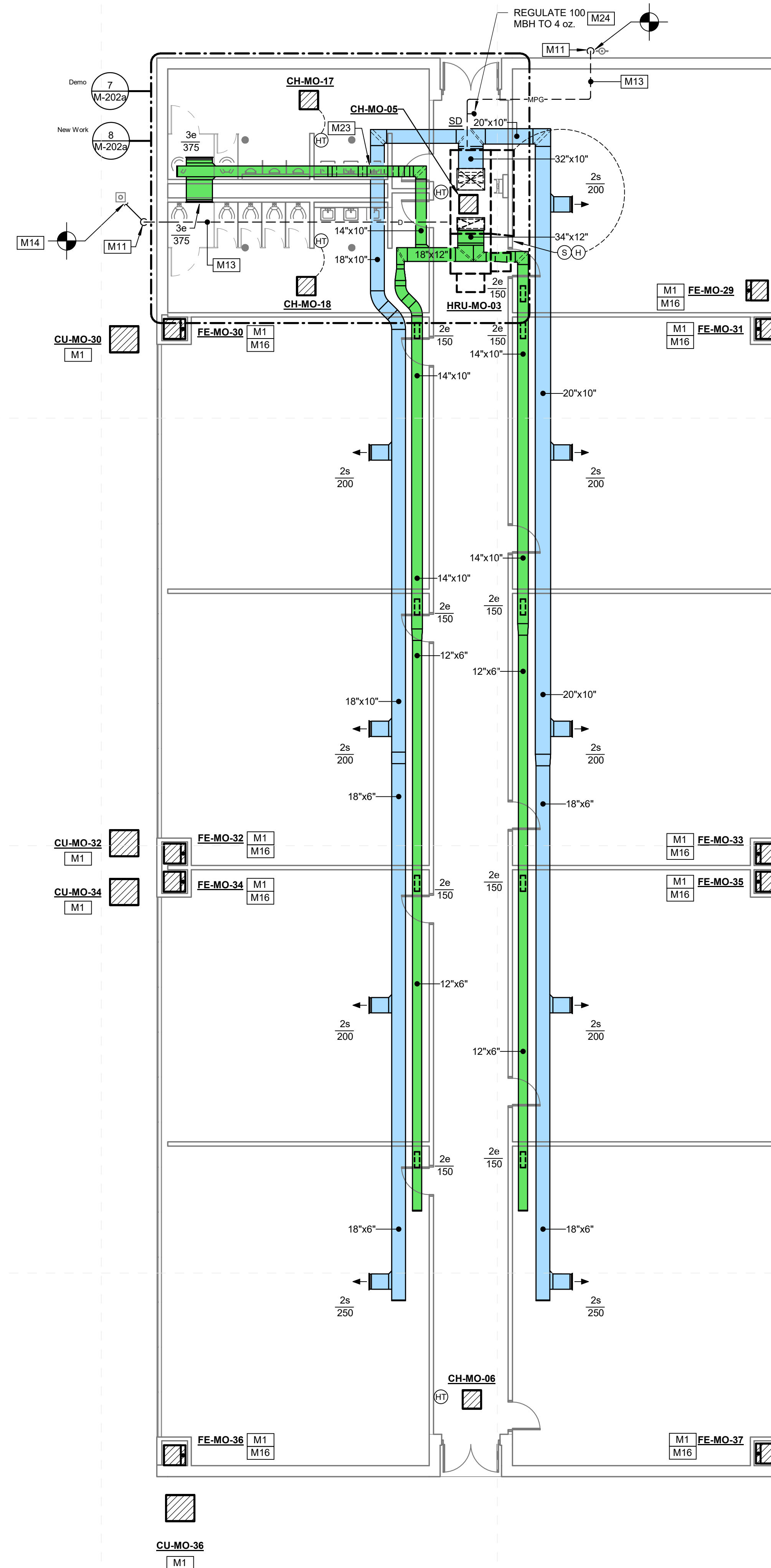


3 Iso @ AC-MO-09
M-104a

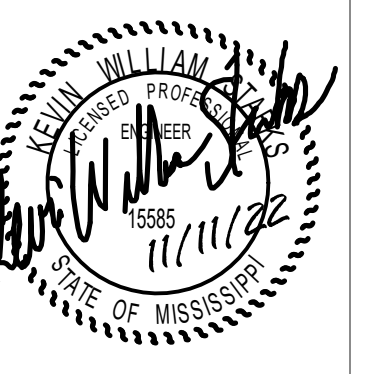
2 Morgantown - Partial New Work Plan (5)
1/8" = 1'-0"

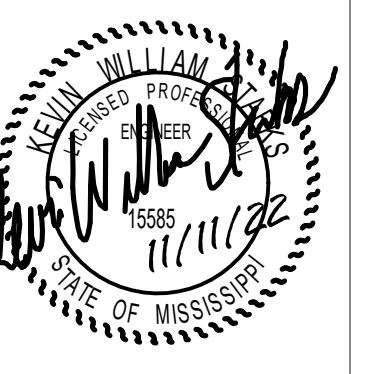
GENERAL NOTES - DUCTWORK:

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- ALL DUCTWORK ROUTED EXPOSED TO BE INTERIOR LINED AS SPECIFIED. CLEAN, PRIME, AND PAINT ALL EXPOSED DUCTWORK AS DIRECTED / APPROVED BY ARCHITECT.



SPECIFIC MECHANICAL NOTES	
M1	REPLACE EXISTING GAS-FIRED SPLIT SYSTEM. PROVIDE NEW SUPPLY AIR DUCTWORK TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RECONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG). CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH OILK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. PROVIDE NEW INSULATION ON EXISTING REFRIGERANT PIPING. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M3	REPLACE EXISTING PAD-MOUNTED PACKAGED UNIT. PROVIDE NEW SUPPLY AND RETURN AIR DUCTWORK TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. REPLACE EXISTING CONDENSATE DRAIN PIPING WITH NEW (SIZE TO MATCH EXISTING) AND ROUTE TO SAME DISCHARGE OUTLET WITH NEW SUPPORT. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M4	OUTDOOR DUCTWORK. SEE GENERAL HVAC NOTES FOR DETAILED REQUIREMENTS.
M6	TYPICAL TRAPPED HUB DRAIN (SIZE AS INDICATED) FOR PAD MOUNTED PACKAGE UNIT CONDENSATE DRAIN. SEE DETAIL FOR CLARITY. TRAP MAY BE OMITTED WHEN CONNECTING TO STORM DRAINAGE.
M11	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48" O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
M12	ROUTE NEW GAS PIPING ATOP UNISTRUT SUPPORTS ATOP NEW EQUIPMENT CONCRETE PAD.
M13	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOF TOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.
M14	CONNECT TO EXISTING DRAINAGE PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M18	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M23	ROLL DUCTWORK UP/DOWN UTILIZING MAXIMUM 45 DEGREE ELBOWS AS REQUIRED TO AVOID CONFLICT.
M24	PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.
M25	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES AND STAINLESS STEEL CAPS OVER NON-UTILIZED HOLE DRILLINGS.
M26	REPLACE EXISTING WATER CLOSURE/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.

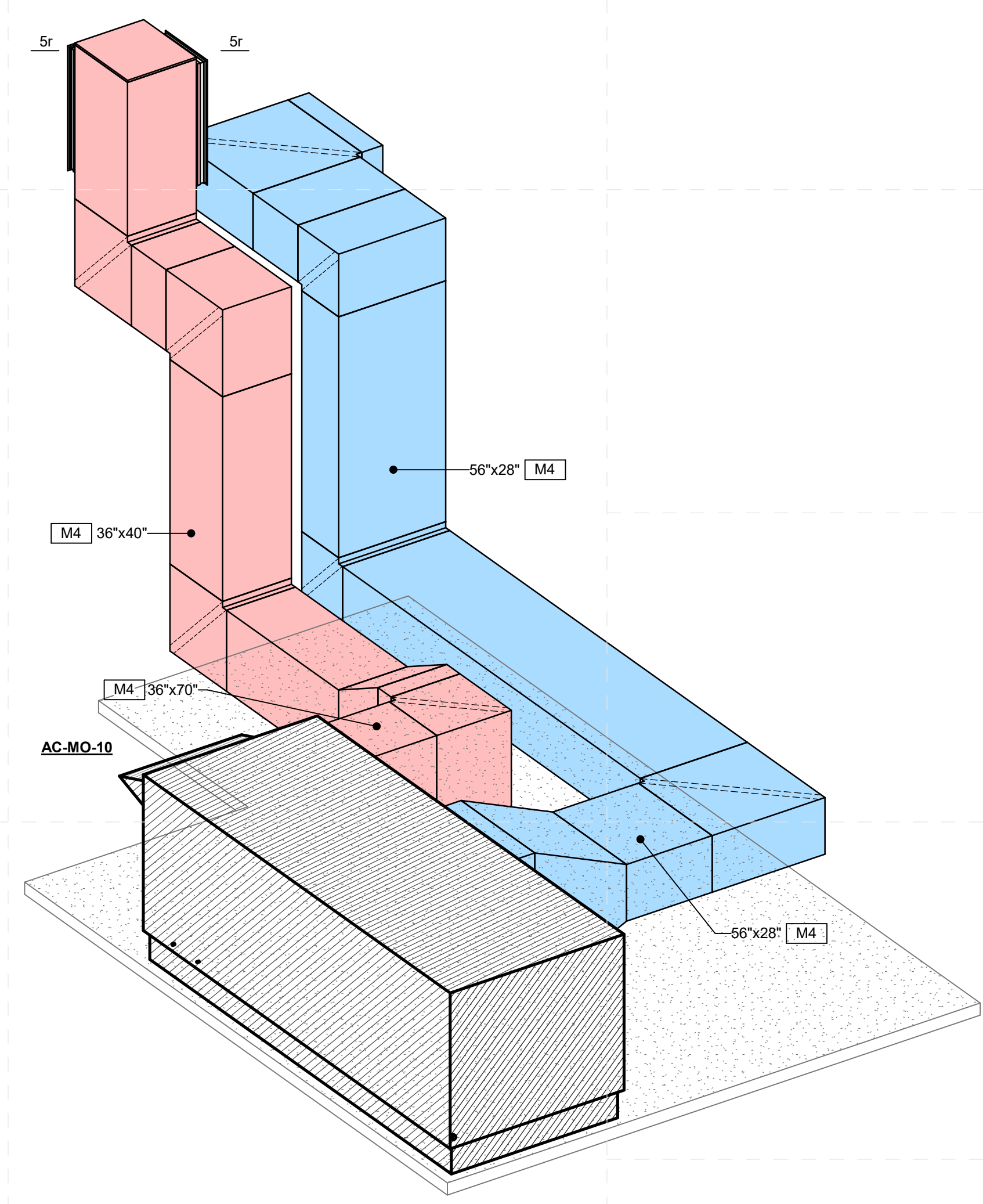
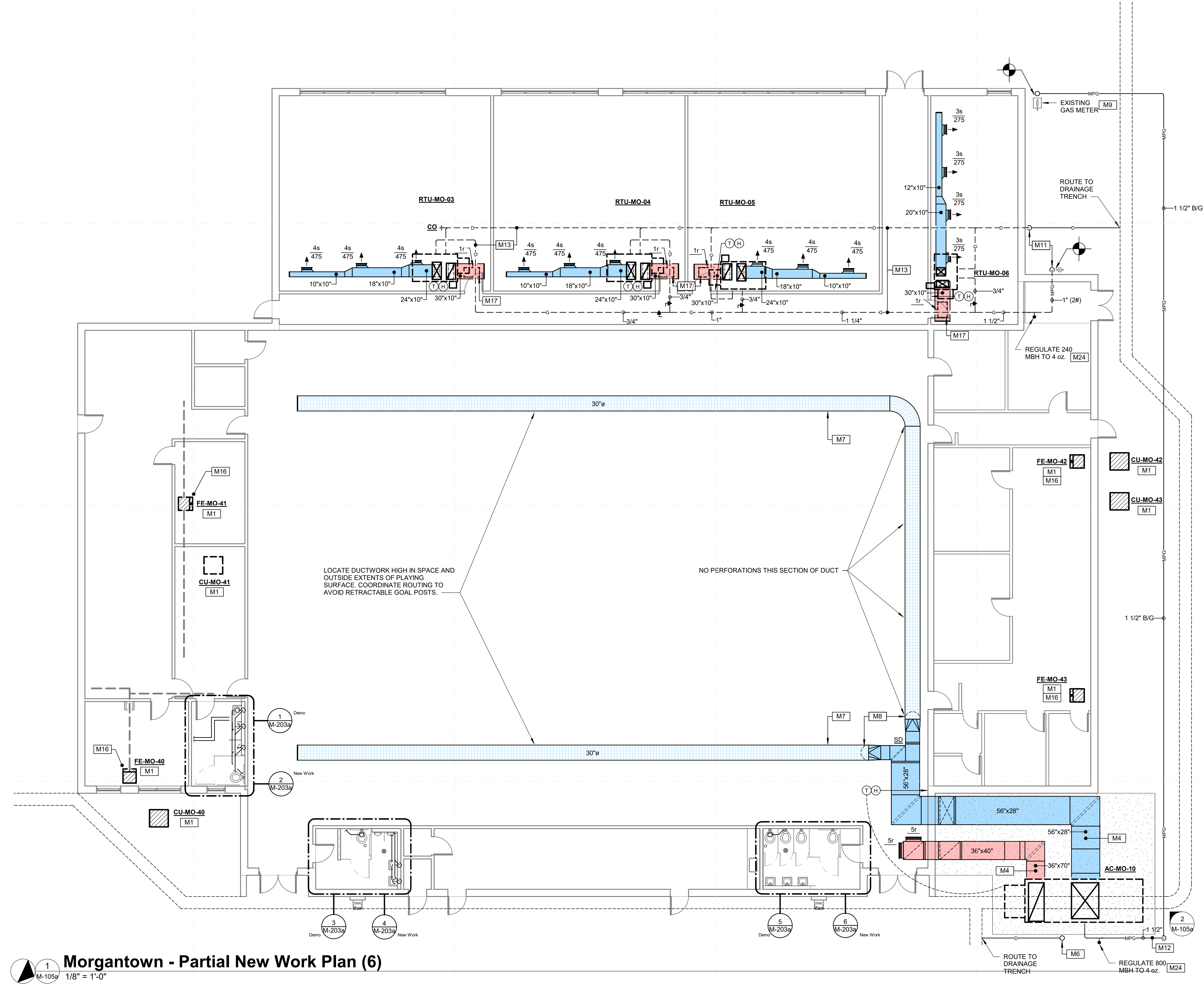




SPECIFIC MECHANICAL NOTES	
M1	REPLACE EXISTING GAS-FIRED SPLIT SYSTEM AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RECONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH QUIK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. PROVIDE NEW INSULATION ON EXISTING REFRIGERANT PIPING. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M4	OUTDOOR DUCTWORK - SEE GENERAL HVAC NOTES FOR DETAILED REQUIREMENTS.
M6	TYPICAL TRAPPED HUB DRAIN (SIZE AS INDICATED) FOR PAD MOUNTED PACKAGE UNIT CONDENSATE DRAIN. SEE DETAIL FOR CLARITY. TRAP MAY BE OMITTED WHEN CONNECTING TO STORM DRAINAGE.
M7	FABRIC DUCT - SEE DETAIL AND/OR SCHEDULE FOR AIRFLOW DISTRIBUTION PATTERN REQUIREMENTS.
M8	AIR STRAIGHTENING CONE PROVIDED BY FABRIC DUCT MANUFACTURER.
M9	EXISTING GAS METER. COORDINATE NEW GAS LOAD WITH SERVING UTILITY COMPANY AND MODIFY/REPLACE EXISTING METER IF REQUIRED.
M11	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48" O.C. PRIME/PANT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
M12	ROUTE NEW GAS PIPING ATOP UNISTRUT SUPPORTS ATOP NEW EQUIPMENT CONCRETE PAD.
M13	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M17	FULL NECK SIZE ACOUSTICALLY LINED PLENUM ATOP AIR DISTRIBUTION DEVICE.
M24	PROVIDE GAS REGULATOR (SEE DETAIL) - SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.

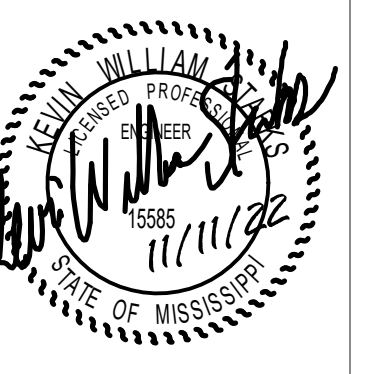
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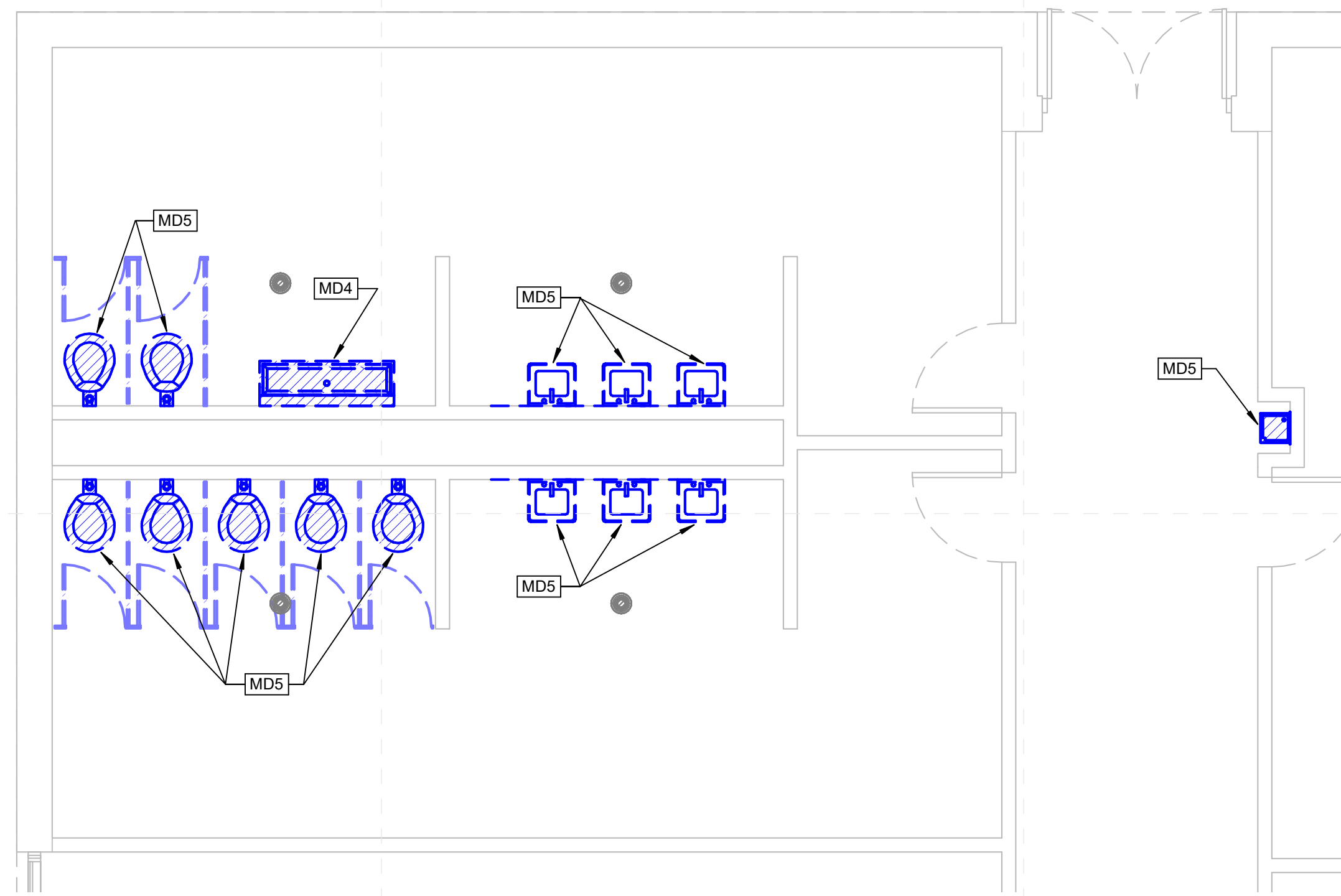


Morgan town - Partial New Work Plan (6)
1 M-105a 1/8" = 1'-0"

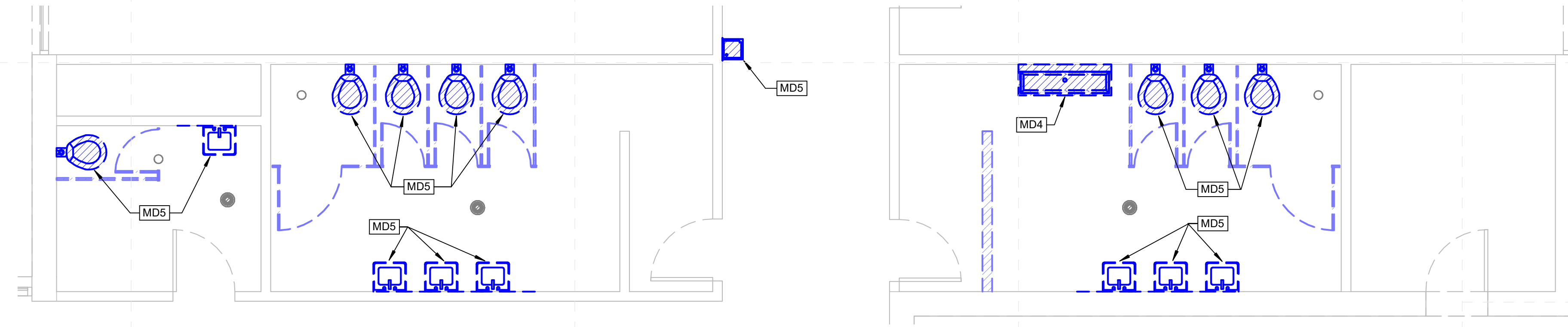
2 M-105a Iso @ AC-MO-10



SPECIFIC MECHANICAL DEMOLITION NOTES	
MD4	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES
MD5	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.

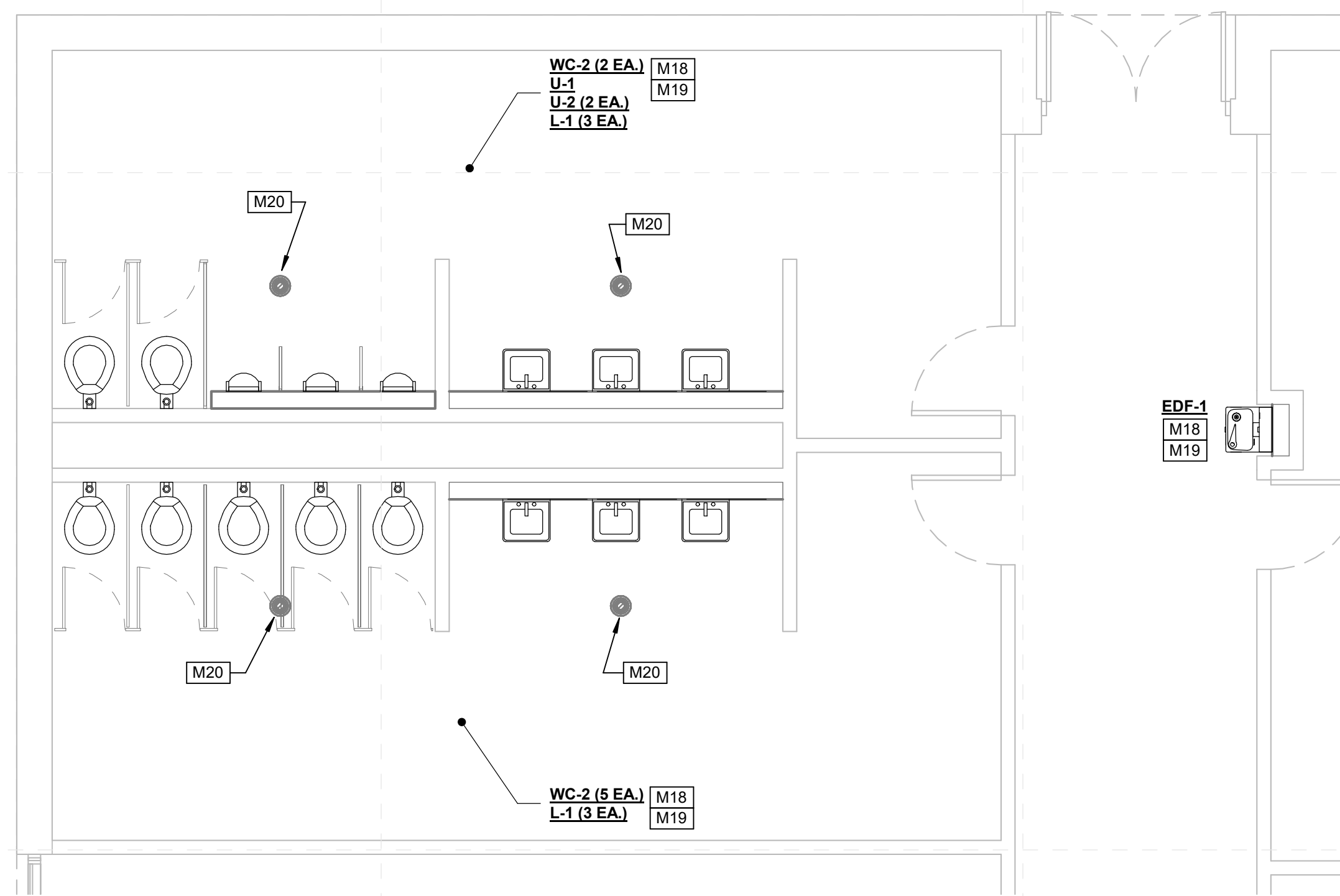


1 Morgantown - Enlarged Toilet Demo (1)
M-201a 1/4" = 1'-0"

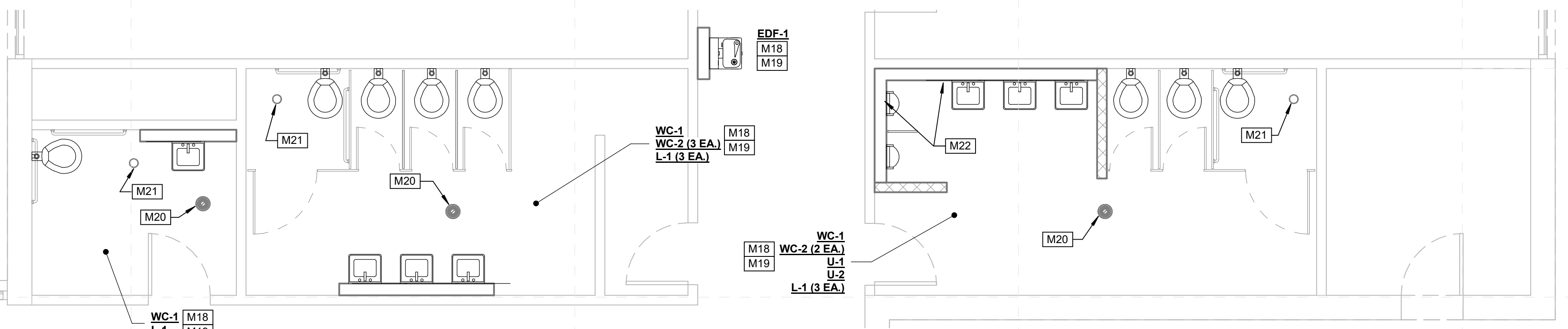


3 Morgantown - Enlarged Toilet Demo (2)
M-201a 1/4" = 1'-0"

SPECIFIC MECHANICAL NOTES	
M18	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M20	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
M21	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
M22	EXTEND WASTE, VENT AND WATER IN WALL TO SERVE NEW FIXTURES FROM EXISTING THIS SAME AREA.



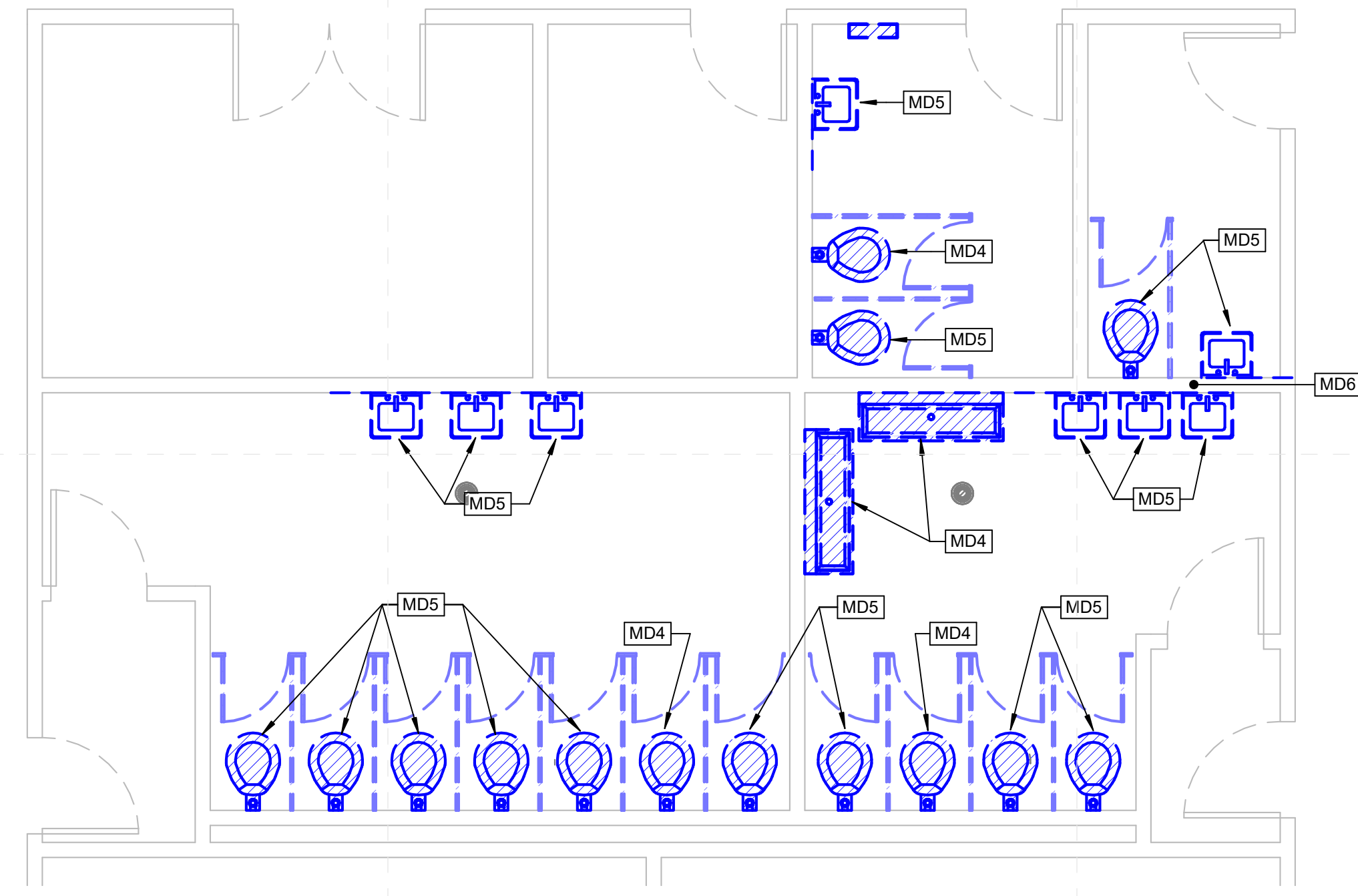
2 Morgantown - Enlarged Toilet New Work (1)
M-201a 1/4" = 1'-0"



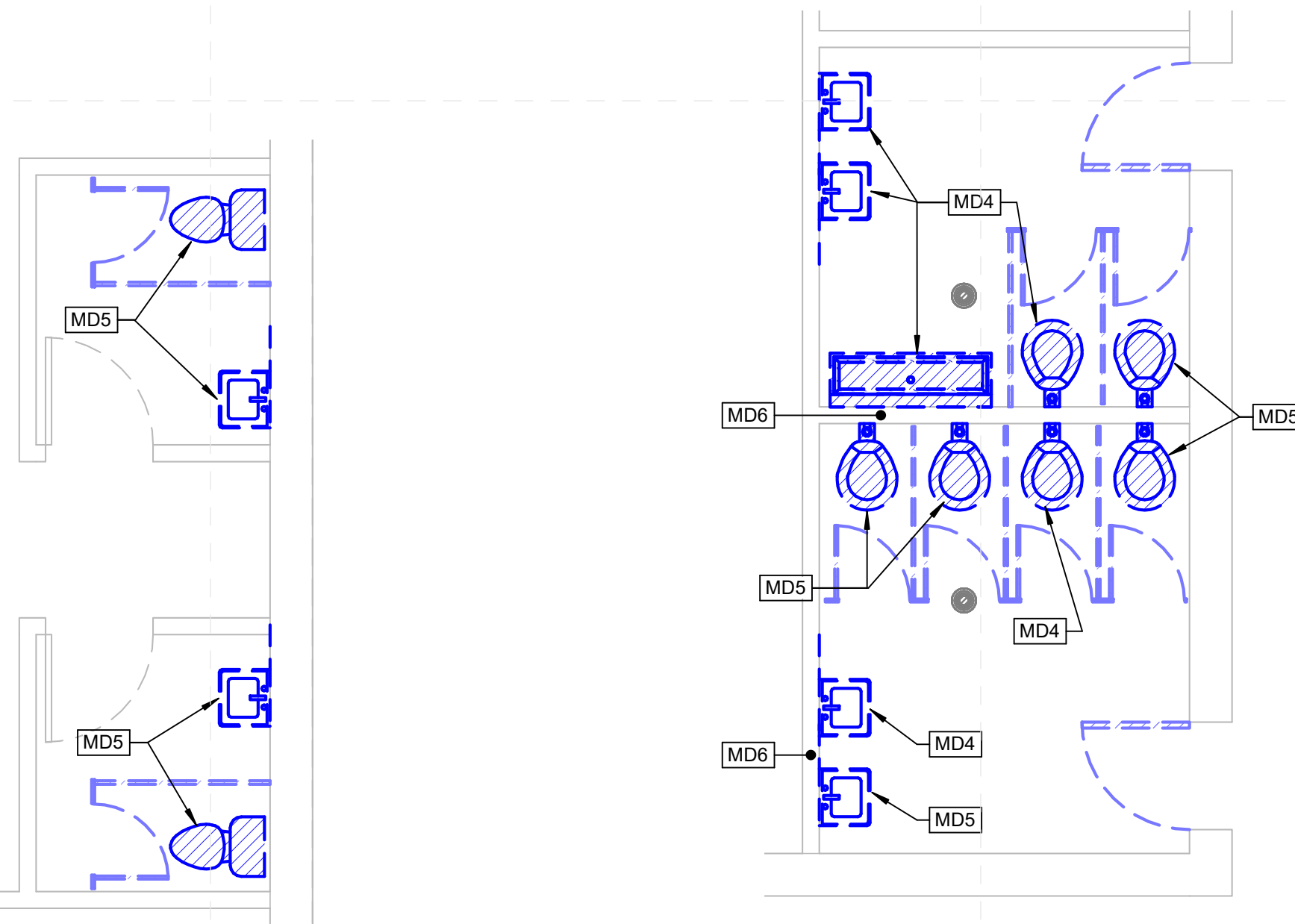
4 Morgantown - Enlarged Toilet New Work (2)
M-201a 1/4" = 1'-0"

EXISTING PIPING NOTE:
ALL EXISTING EXPOSED PIPING TO BE RE-ROUTED CONCEALED WITHIN WALLS WHERE NEW WALLS ARE BEING INSTALLED.

SPECIFIC MECHANICAL DEMOLITION NOTES	
MD4	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
MD5	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
MD6	OPEN EXISTING WALLCHASE FOR NEW PLUMBING INSTALLATIONS.

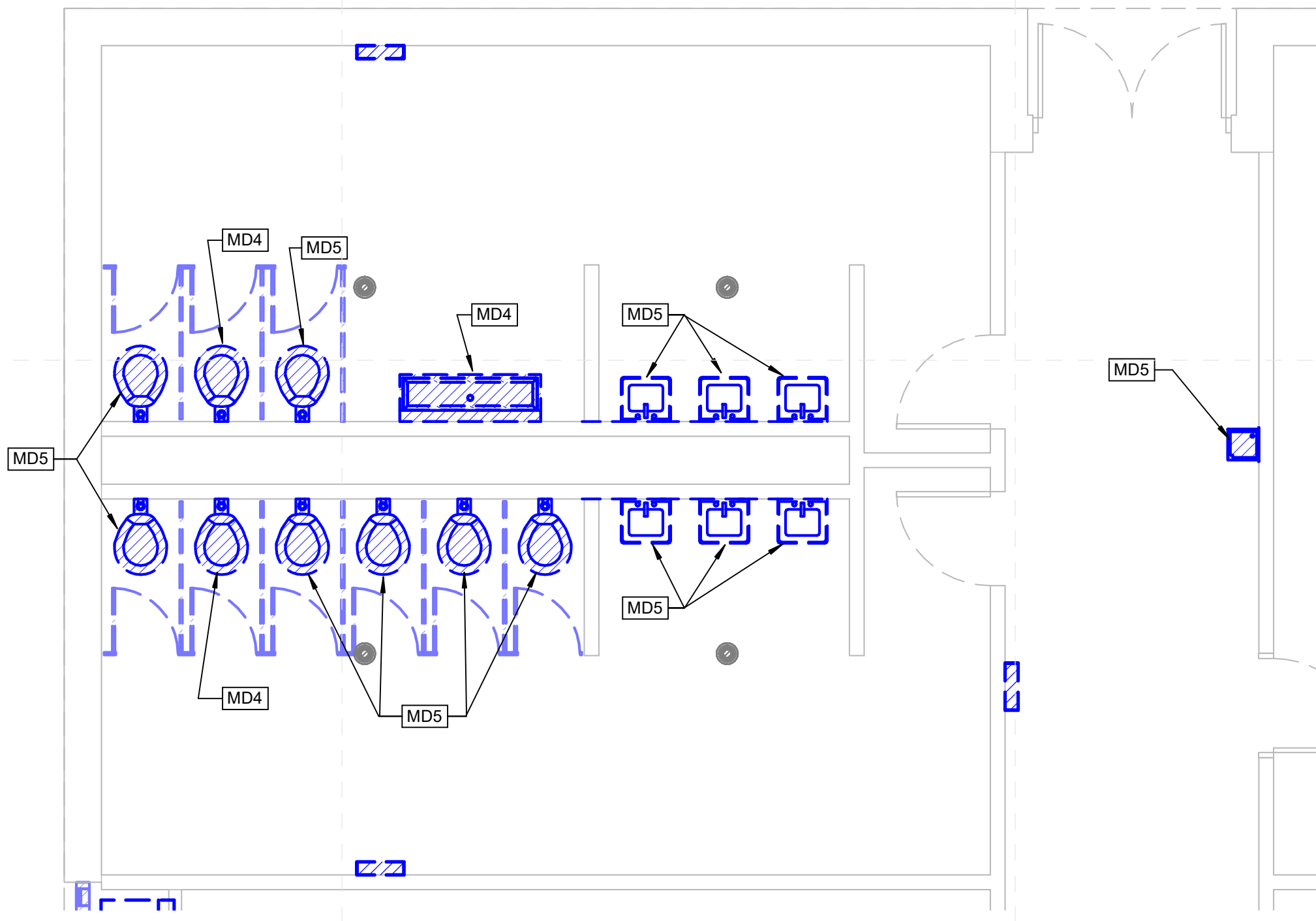


1 Morgantown - Enlarged Toilet Demo (3)
1/4" = 1'-0"



3 Morgantown - Enlarged Toilet Demo (4)
1/4" = 1'-0"

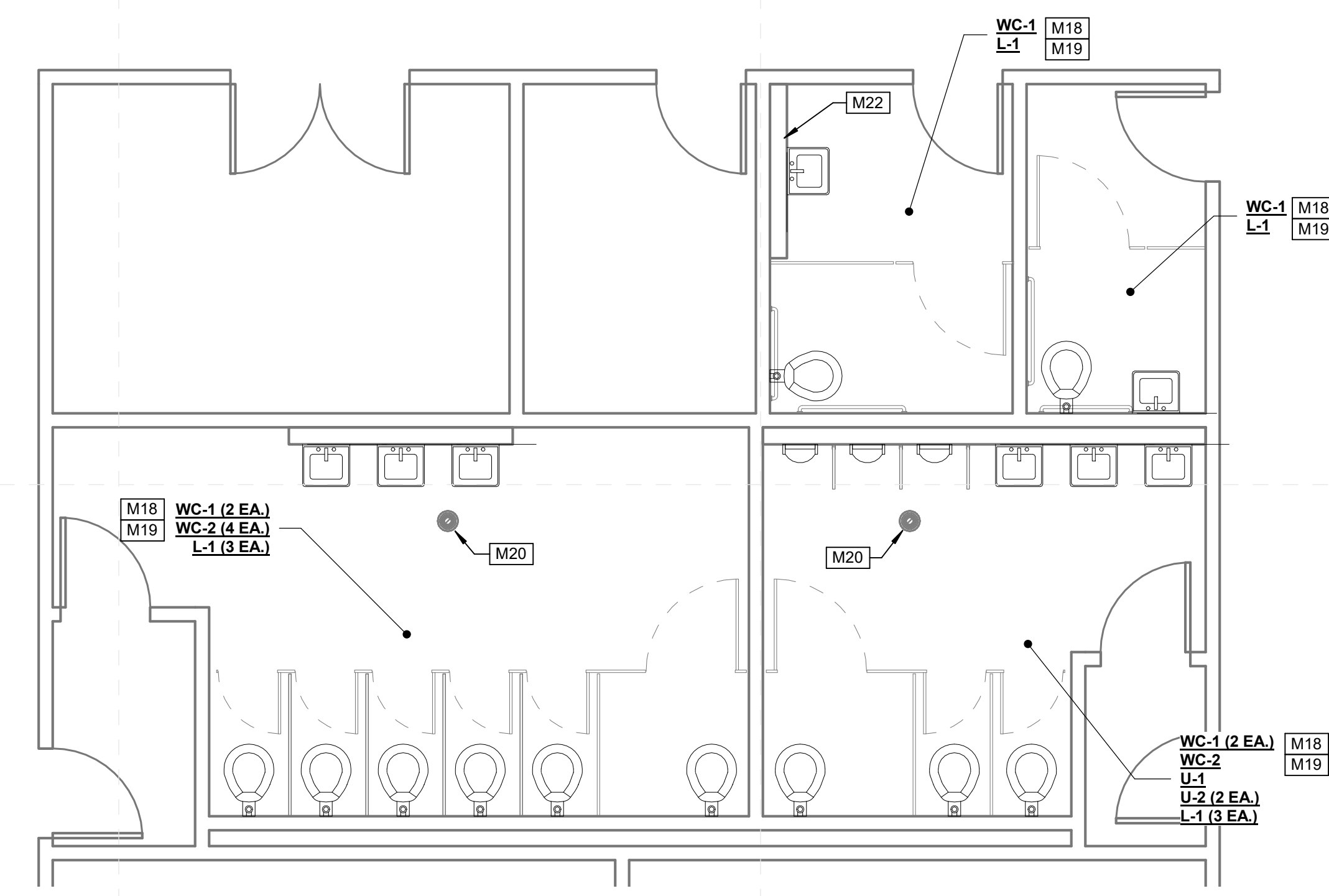
5 Morgantown - Enlarged Toilet Demo (5)
1/4" = 1'-0"



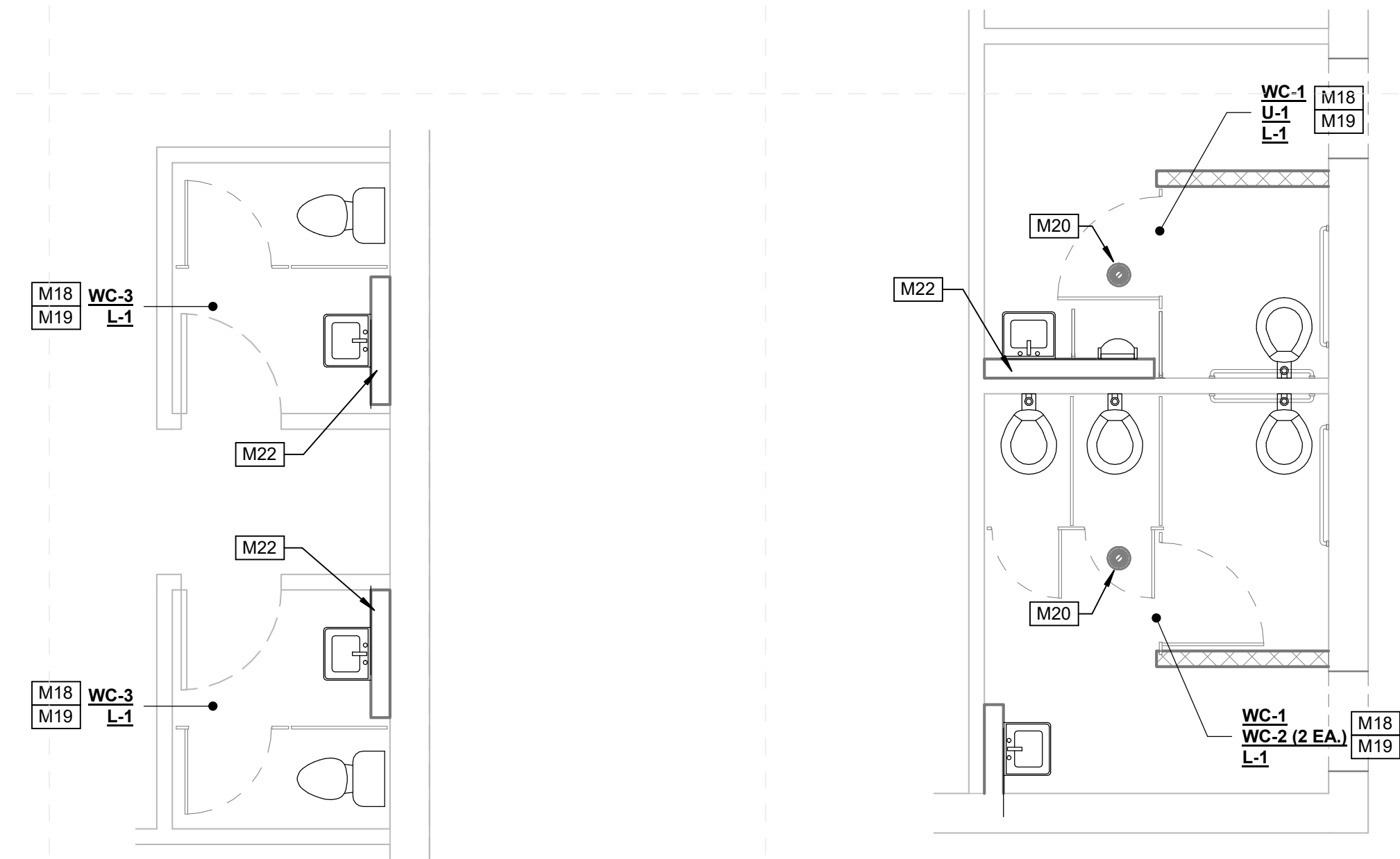
7 Morgantown - Enlarged Toilet Demo (6)
1/4" = 1'-0"

SPECIFIC MECHANICAL NOTES	
M18	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M20	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
M22	EXTEND WASTE, VENT AND WATER IN WALL TO SERVE NEW FIXTURES FROM EXISTING THIS SAME AREA.

EXISTING PIPING NOTE:
ALL EXISTING EXPOSED PIPING TO BE RE-ROUTED CONCEALED WITHIN WALLS WHERE NEW WALLS ARE BEING INSTALLED.

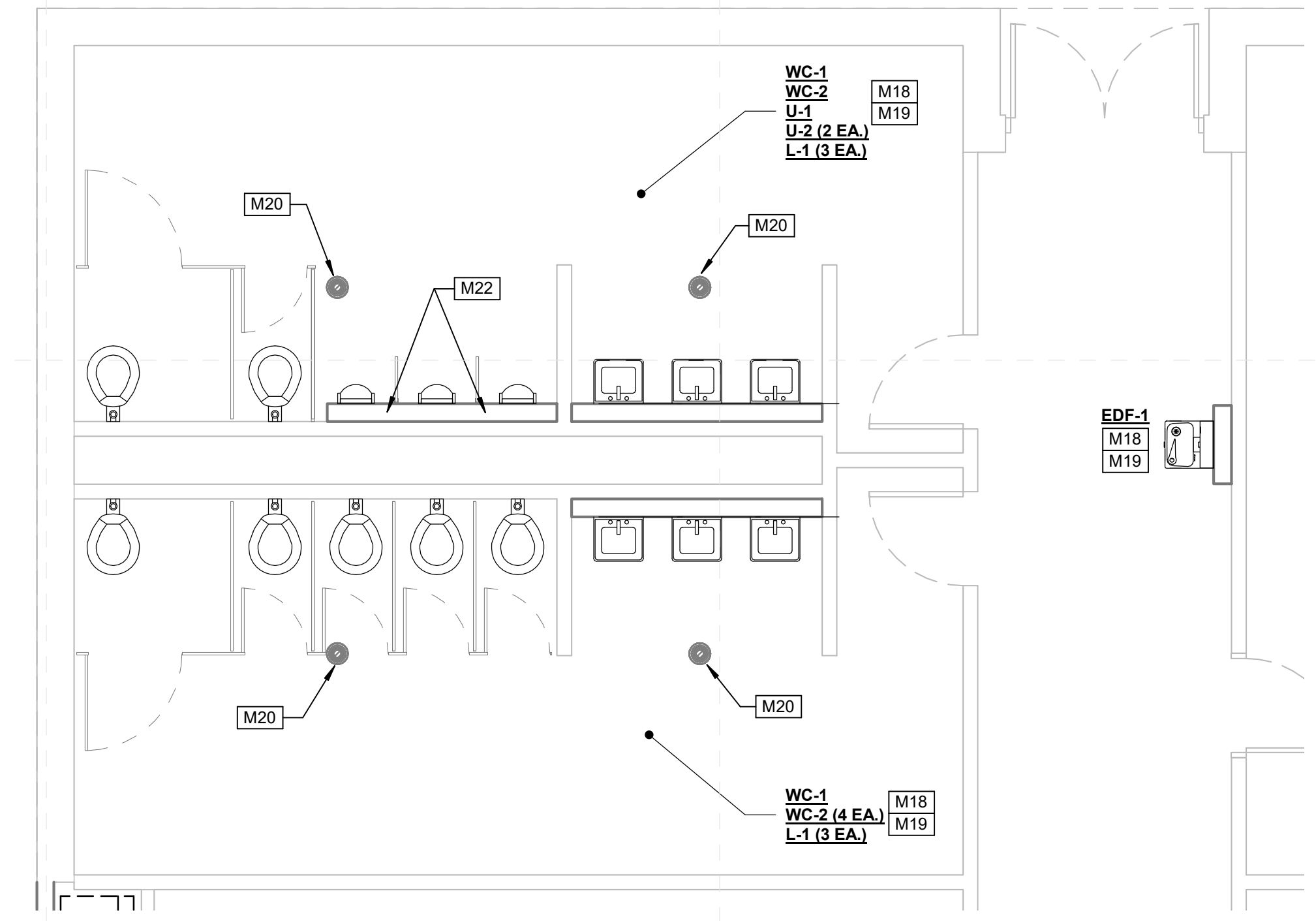


2 Morgantown - Enlarged Toilet New Work (3)
1/4" = 1'-0"

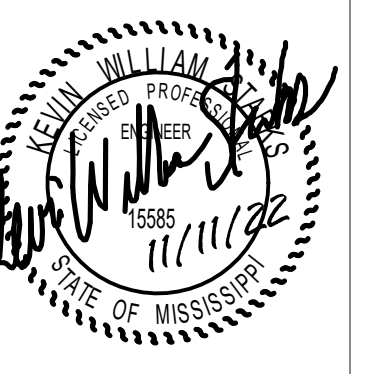


4 Morgantown - Enlarged Toilet New Work (4)
1/4" = 1'-0"

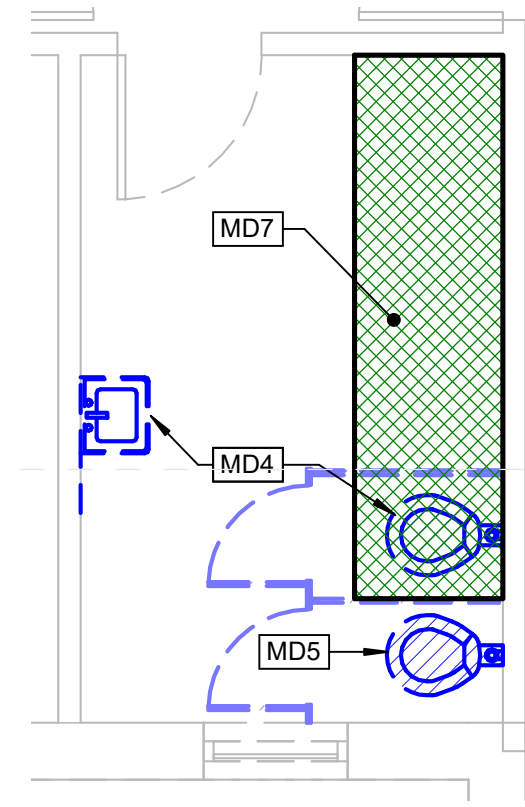
6 Morgantown - Enlarged Toilet New Work (5)
1/4" = 1'-0"



8 Morgantown - Enlarged Toilet New Work (6)
1/4" = 1'-0"

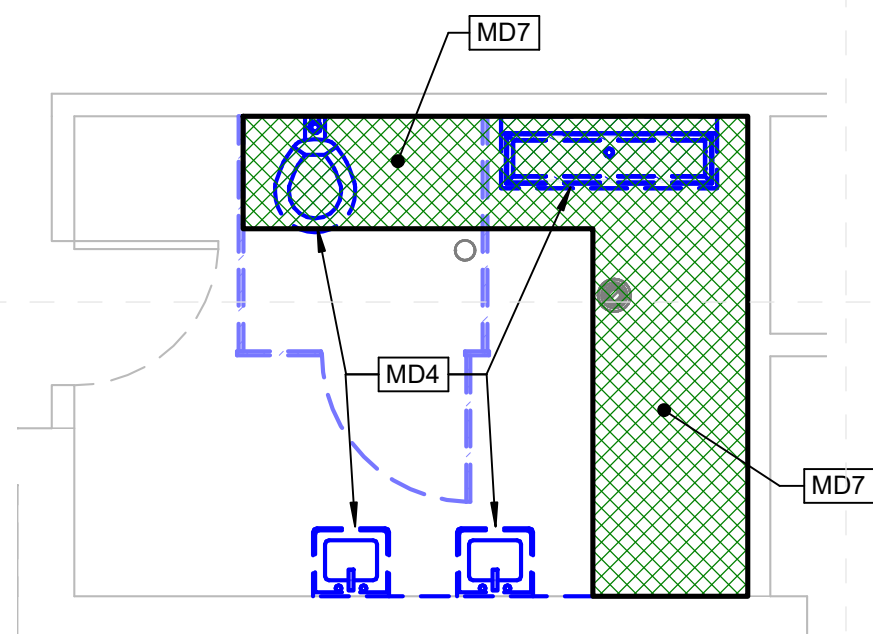


SPECIFIC MECHANICAL DEMOLITION NOTES	
MD4	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
MD5	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
MD7	SAWCUT EXISTING FLOOR SLAB AS DENOTED BY HATCHING AS REQUIRED FOR INSTALLATION OF NEW WORK.



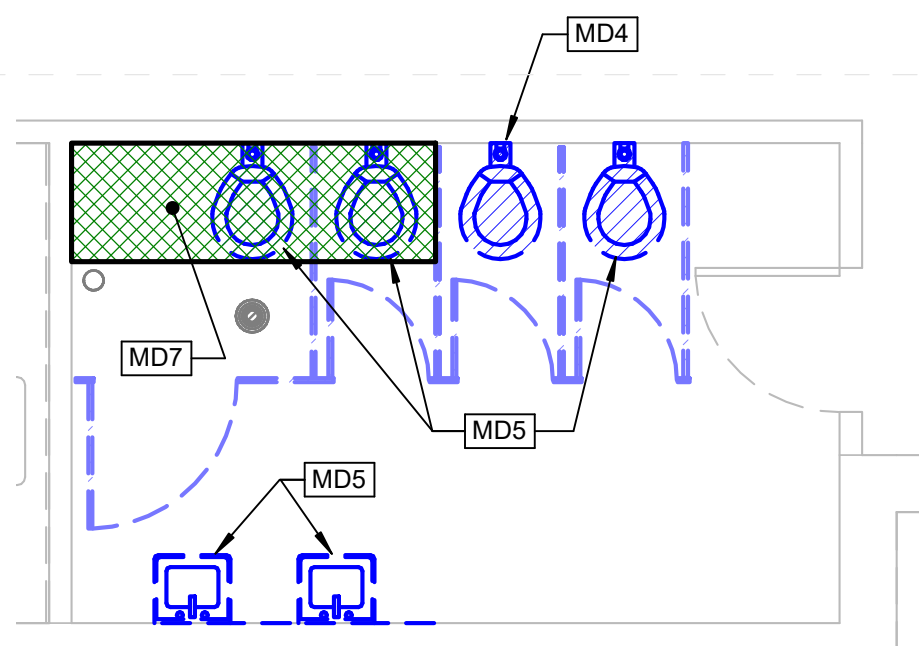
1
M-203a 1/4" = 1'-0"

Morgantown - Enlarged Toilet Demo (7)



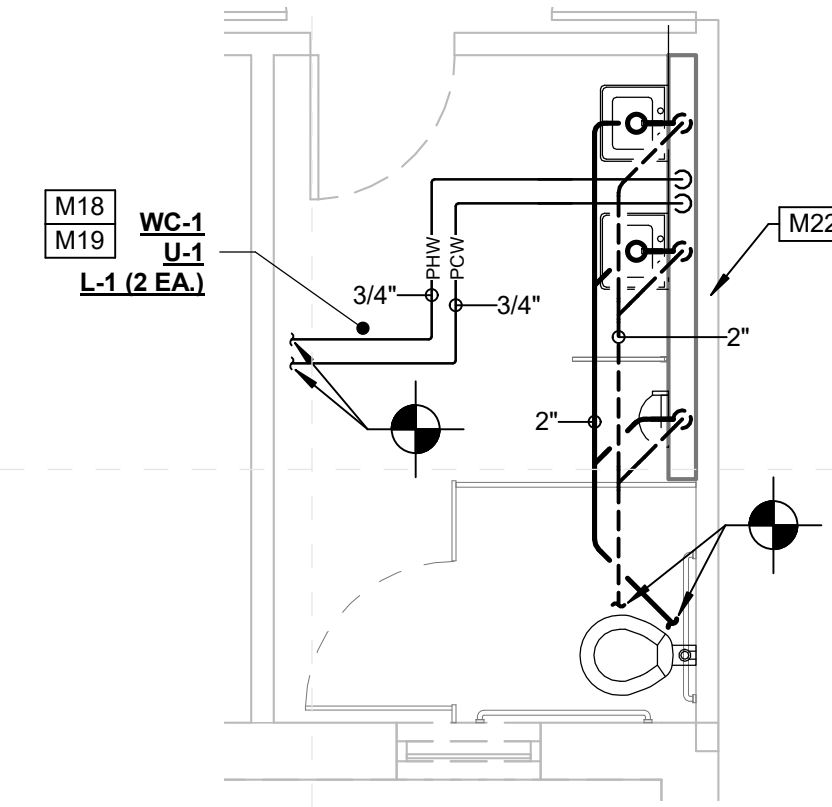
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M-203a 1/4" = 1'-0"

Morgantown - Enlarged Toilet Demo (8)



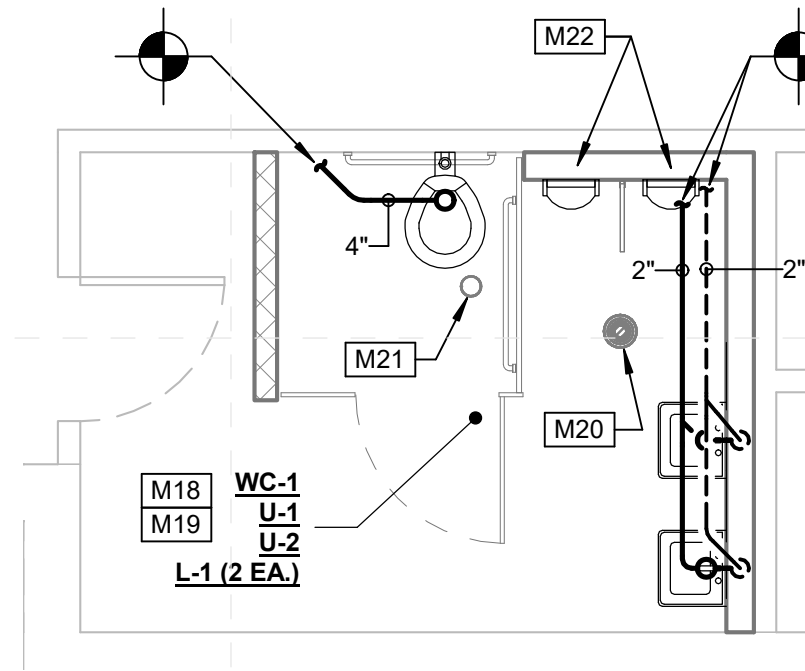
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M-203a 1/4" = 1'-0"

Morgantown - Enlarged Toilet Demo (9)



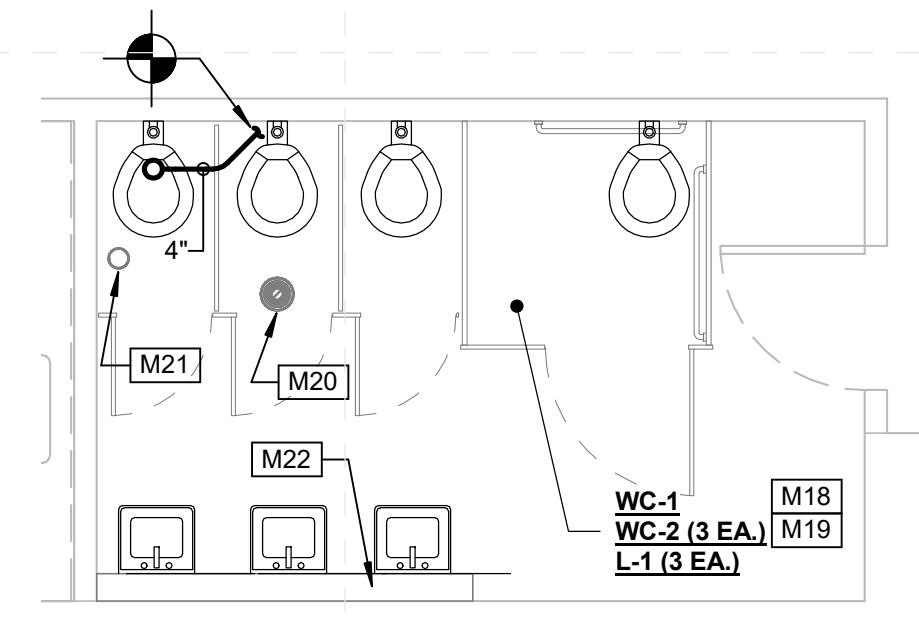
2
M-203a 1/4" = 1'-0"

Morgantown - Enlarged Toilet New Work (7)



4
M-203a 1/4" = 1'-0"

Morgantown - Enlarged Toilet New Work (8)

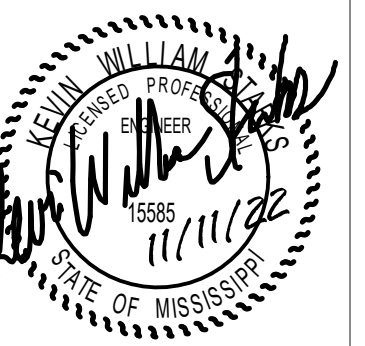


6
M-203a 1/4" = 1'-0"

Morgantown - Enlarged Toilet New Work (9)

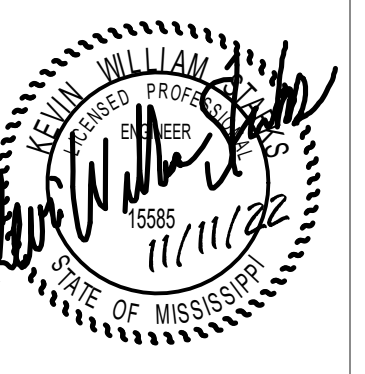
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M21	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
M22	EXTEND WASTE, VENT AND WATER IN WALL TO SERVE NEW FIXTURES FROM EXISTING THIS SAME AREA.

EXISTING PIPING NOTE:
ALL EXISTING EXPOSED PIPING TO BE RE-ROUTED CONCEALED WITHIN WALLS WHERE NEW WALLS ARE BEING INSTALLED.



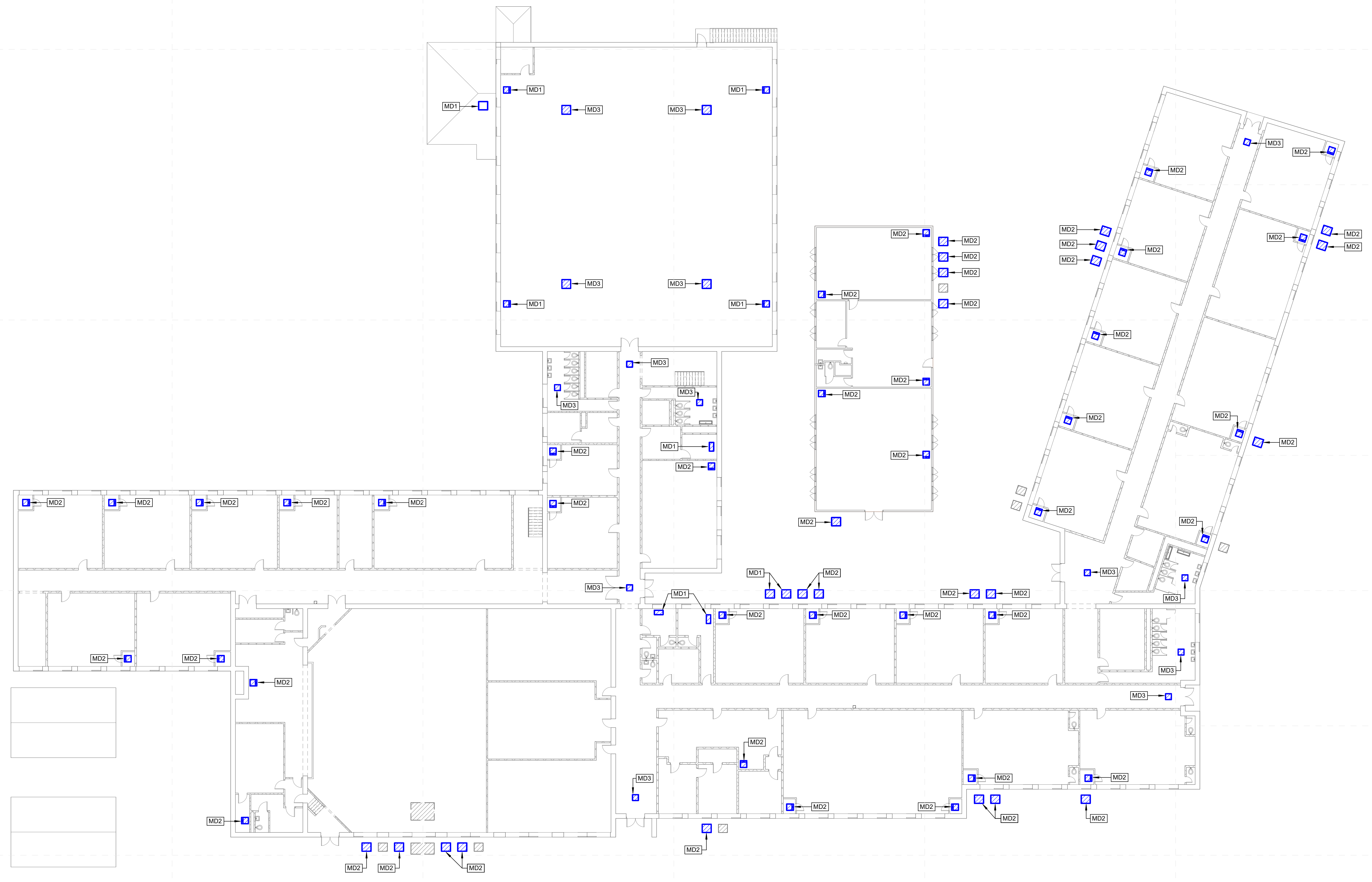
Project No	21052
Date	11/11/2022
Revisions	Rev Date
Drawn	CMG
Checked	JK/KS

SPECIFIC MECHANICAL DEMOLITION NOTES	
MD1	DEMOLISH EXISTING AIR CONDITIONING EQUIPMENT AS INDICATED.
MD2	REPLACE EXISTING AIR CONDITIONING EQUIPMENT WITH NEW IN SAME LOCATION.
MD3	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL (WHERE APPLICABLE).

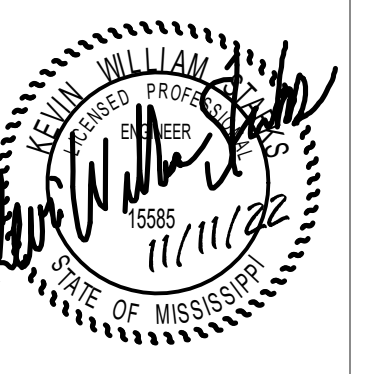


100%
Construction
Documents

Project No	21052
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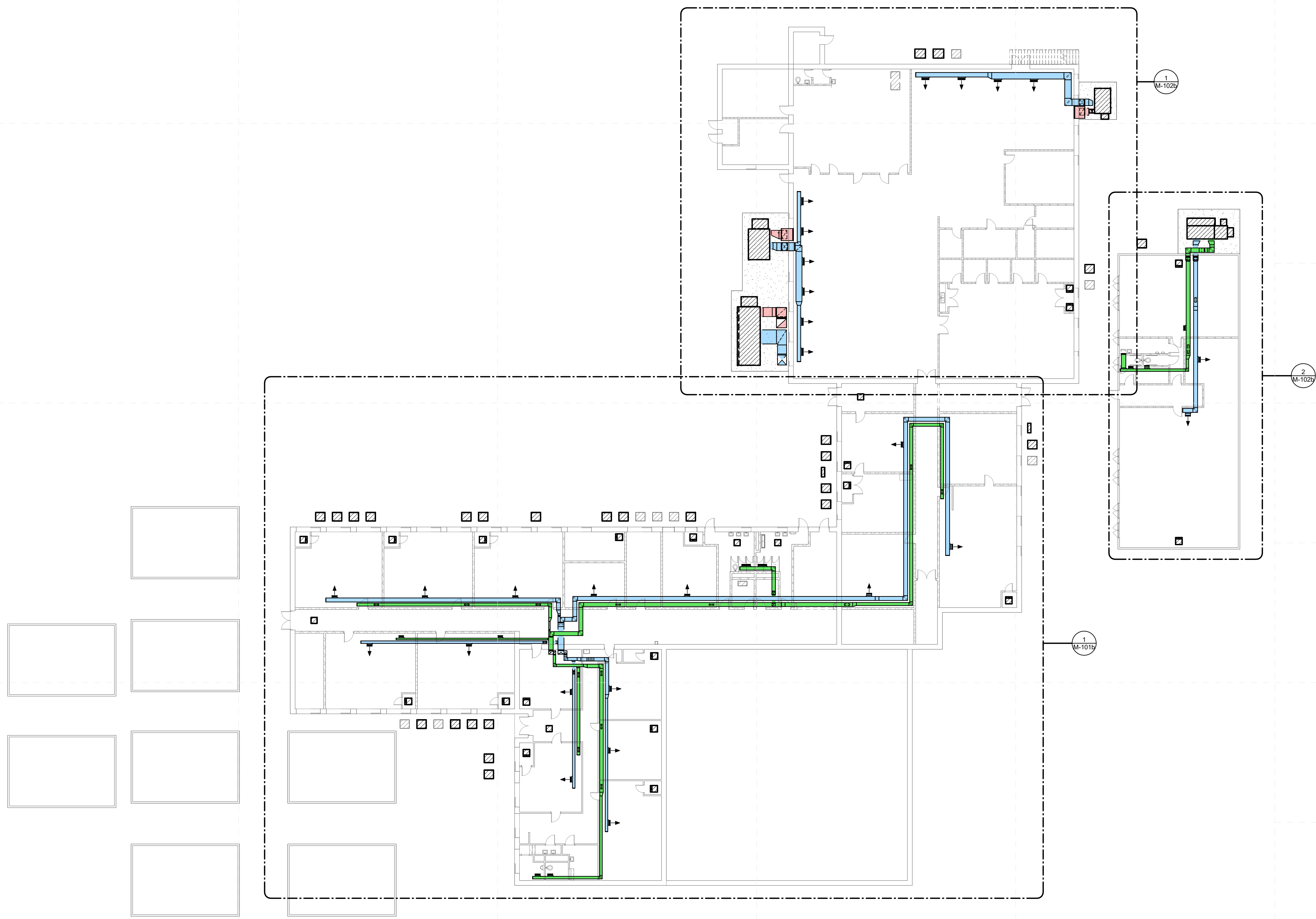


McLaurin - Upper Level - Overall Mechanical Demolition Plan
MD002b 1/16" = 1'-0"



100%
 Construction
 Documents

Project No	21052
Date	11/11/2022
Revisions	Rev Date
Drawn	CMG
Checked	JK/KS



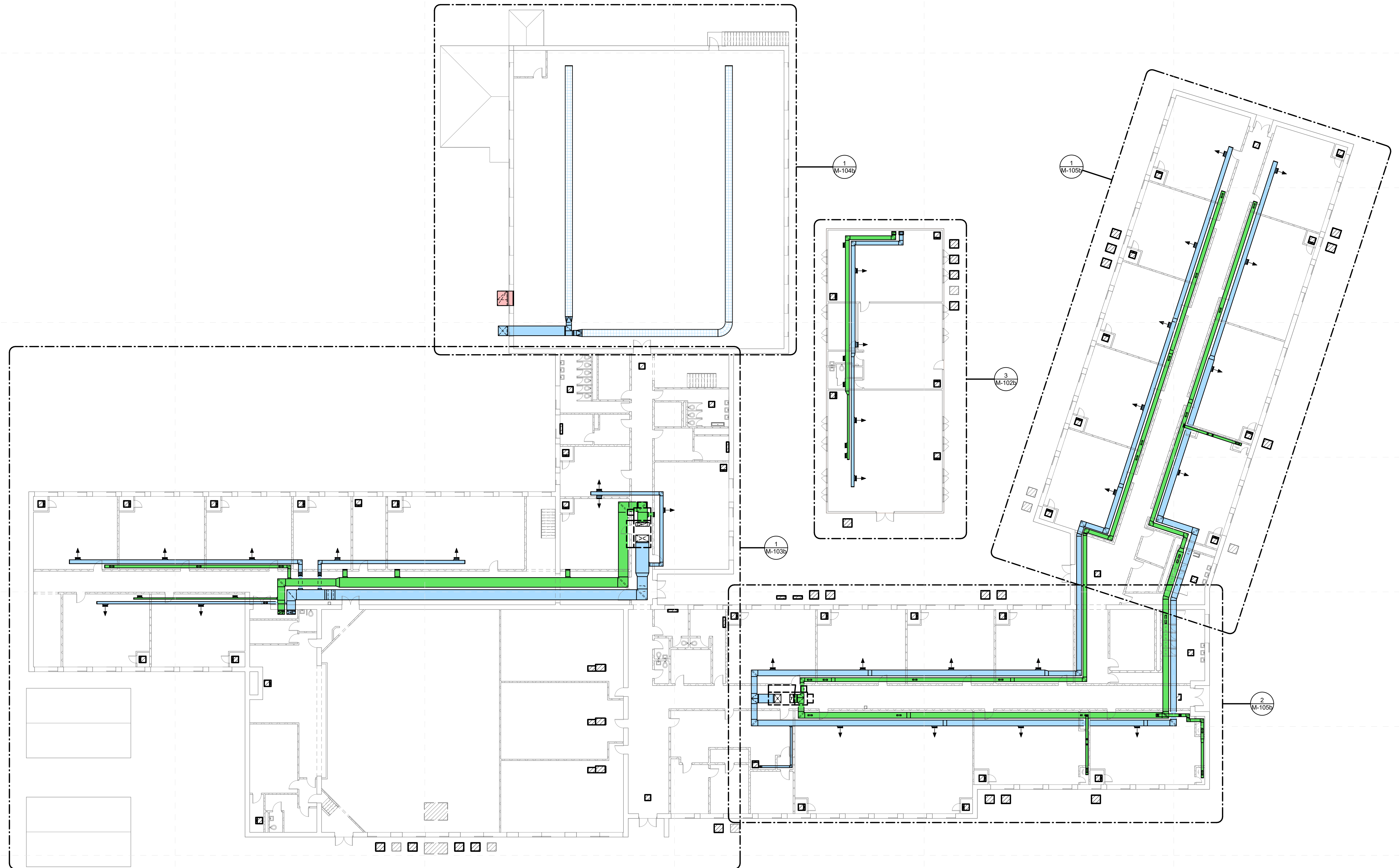
McLaurin Lower Level - Overall Mechanical New Work Plan
 1/16" = 1'-0"



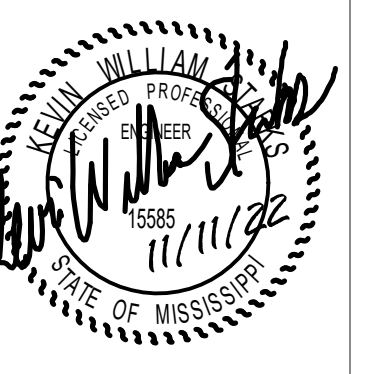
Natchez-Adams School District ESSER 3
 10 Hornochitto St. Natchez, MS 39120

100%
 Construction
 Documents

Project No	21052
Date	11/11/2022
Revisions	Rev Date
Drawn	CMG
Checked	JK/KS



McLaurin Upper Level - Overall Mechanical New Work Plan
 1/16" = 1'-0"



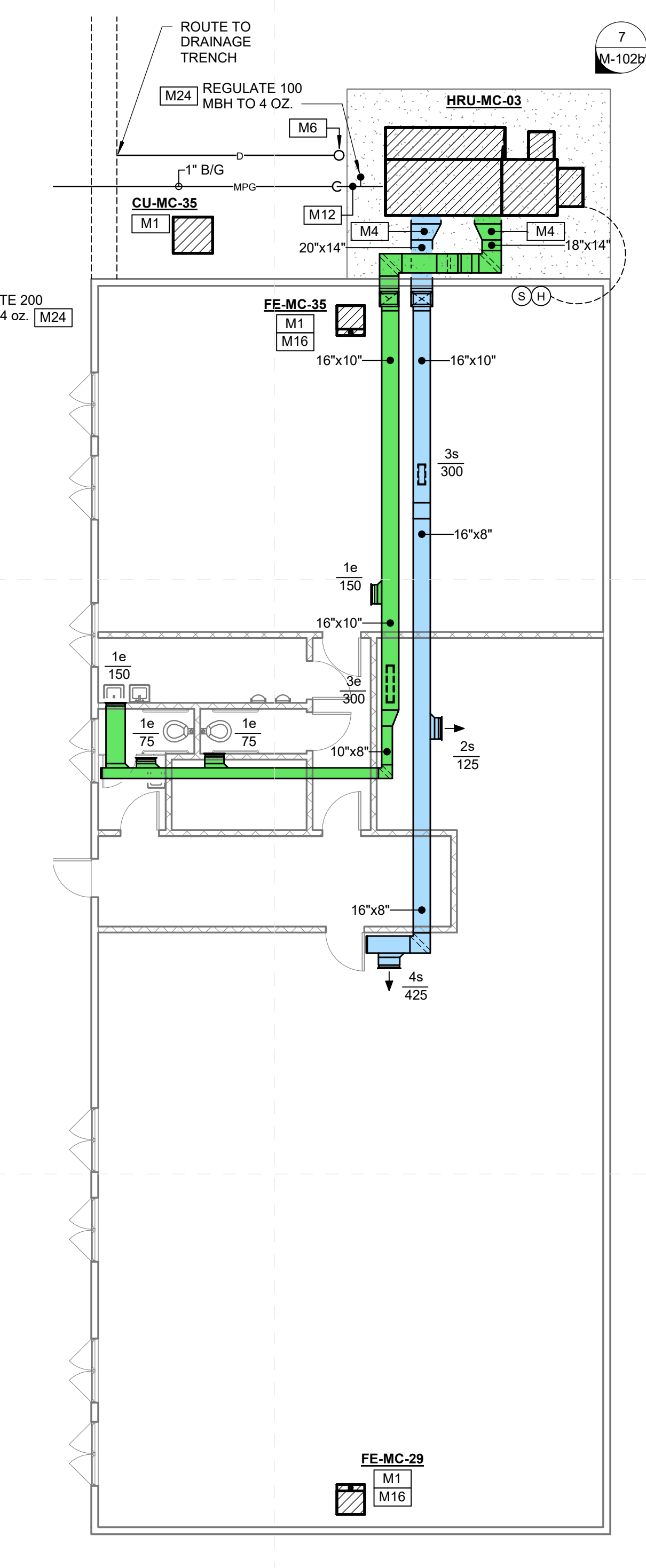
SPECIFIC MECHANICAL NOTES	
M1	REPLACE EXISTING GAS-FIRED SPLIT SYSTEM PROVIDE NEW SUPPLY AIR DUCTWORK TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RECONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT IN SAME LOCATION AS EXISTING. EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH QUIK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. PROVIDE NEW INSULATION ON EXISTING REFRIGERANT PIPING. SUBSEQUENTLY EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M4	OUTDOOR DUCTWORK. SEE GENERAL HVAC NOTES FOR DETAILED REQUIREMENTS.
M5	INSTALL NEW NEEDLEPOINT IONIZATION DEVICE IN EXISTING HVAC EQUIPMENT. SEE SCHEDULE.
M6	TYPICAL TRAPPED HUB DRAIN (SIZE AS INDICATED) FOR PAD MOUNTED PACKAGE UNIT CONDENSATE DRAIN. SEE DETAIL FOR CLARITY. TRAP MAY BE OMITTED WHEN CONNECTING TO STORM DRAINAGE.
M12	ROUTE NEW GAS PIPING ATOP UNISTRUT SUPPORTS ATOP NEW EQUIPMENT CONCRETE PAD.
M14	CONNECT TO EXISTING DRAINAGE PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M24	PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM OIA INTAKE ON HVAC UNITS WHERE APPLICABLE.

GENERAL NOTES - DUCTWORK:

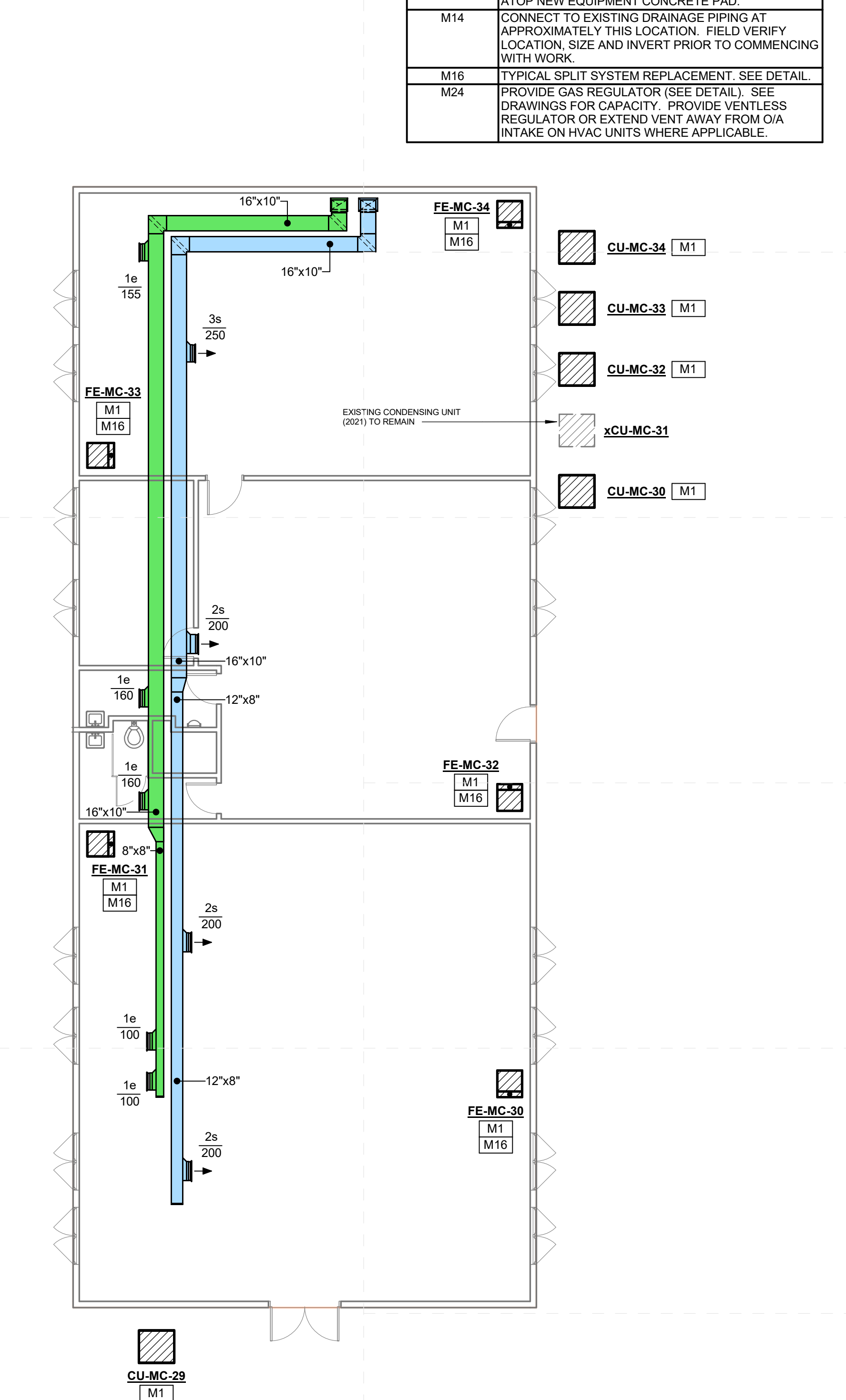
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- ALL DUCTWORK ROUTED EXPOSED TO BE INTERIOR LINED AS SPECIFIED. CLEAN, PRIME, AND PAINT ALL EXPOSED DUCTWORK AS DIRECTED / APPROVED BY ARCHITECT.



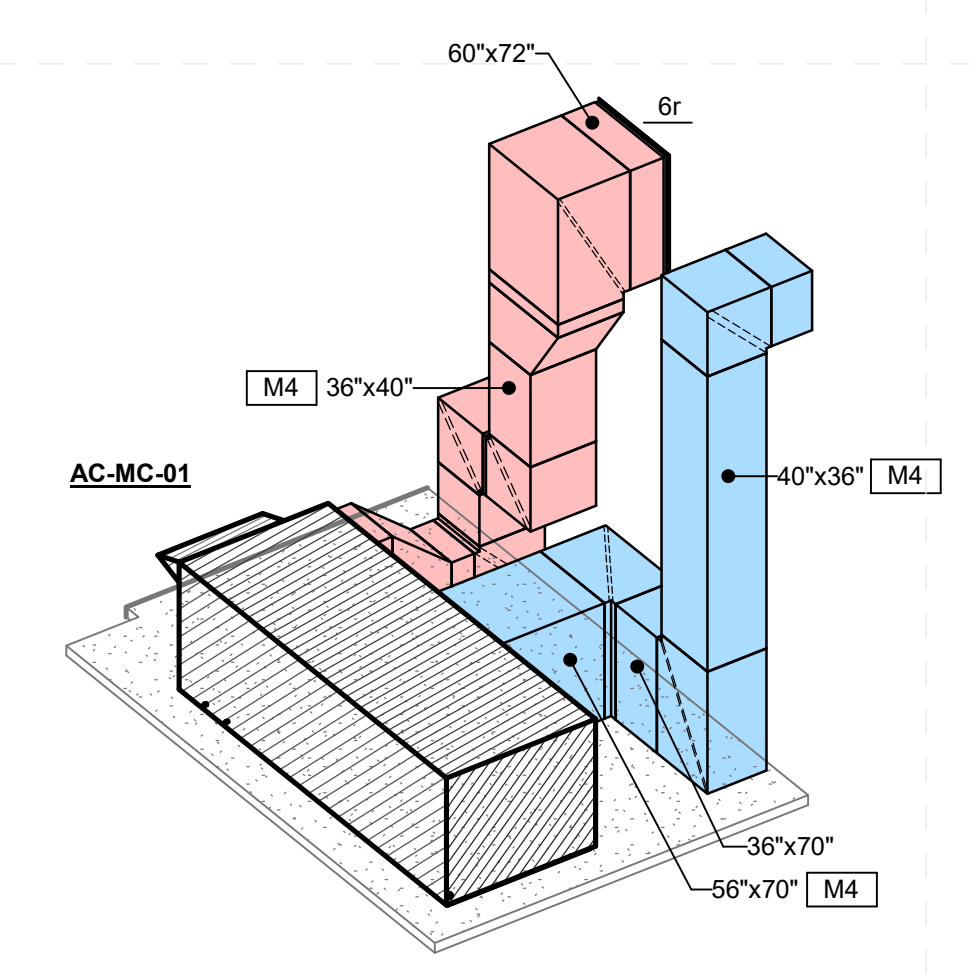
McLaurin Lower Level - Partial New Work Plan (2)
1/8" = 1'-0"



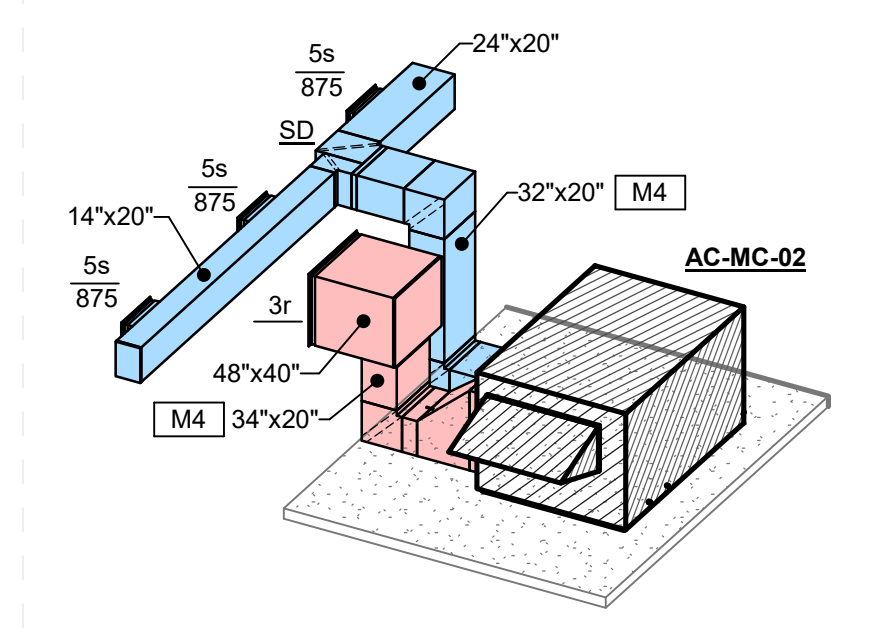
McLaurin Lower Level - Partial New Work Plan (3)
1/8" = 1'-0"



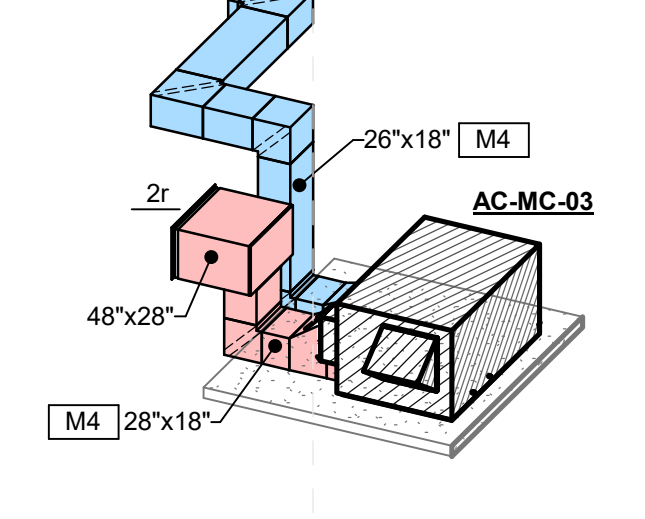
McLaurin Upper Level - Partial New Work Plan (3)
1/8" = 1'-0"



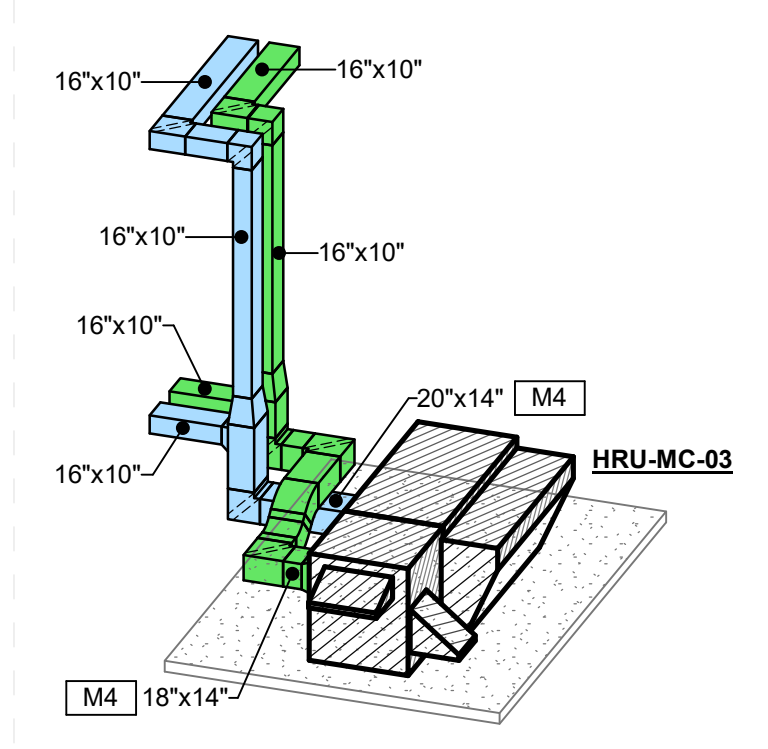
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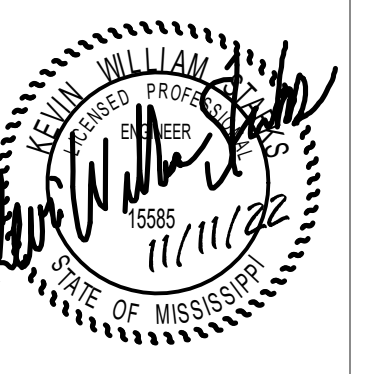
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Iso @ AC-MC-03



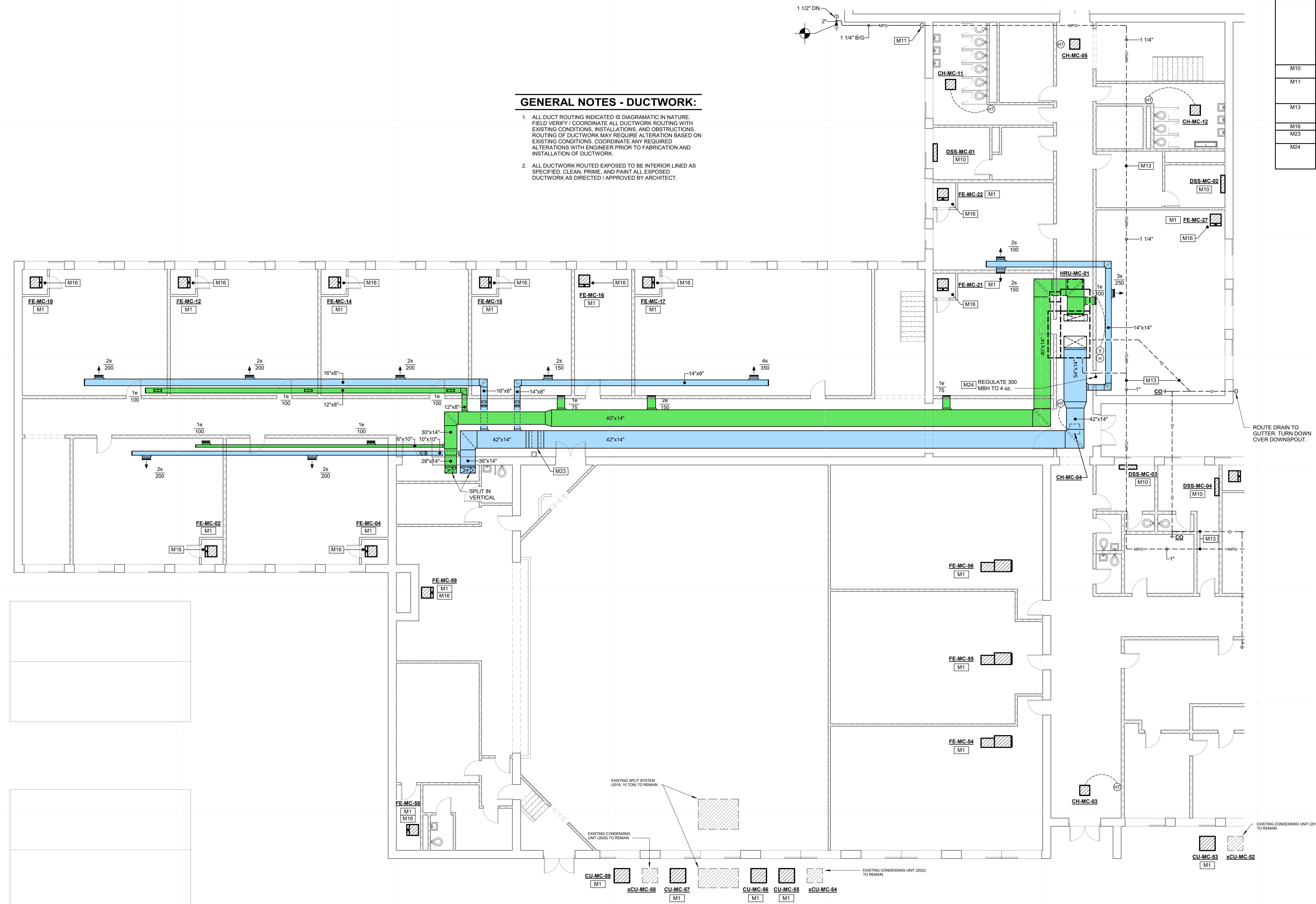
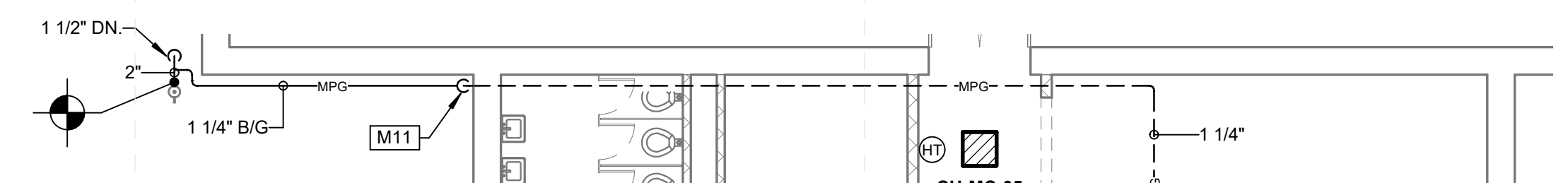
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SPECIFIC MECHANICAL NOTES	
M1	REPLACE EXISTING GAS-FIRED SPLIT SYSTEM. PROVIDE NEW SUPPLY AIR DUCTWORK TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RECONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH QUIK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. PROVIDE NEW INSULATION ON EXISTING REFRIGERANT PIPING. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M10	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. SEE DETAIL.
M11	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48" O.C. PRIME/PAIN EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
M13	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOF TOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M23	RCL DUCTWORK UP/DOWN UTILIZING MAXIMUM 45 DEGREE ELBOWS AS REQUIRED TO AVOID CONFLICT.
M24	PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.

GENERAL NOTES - DUCTWORK:

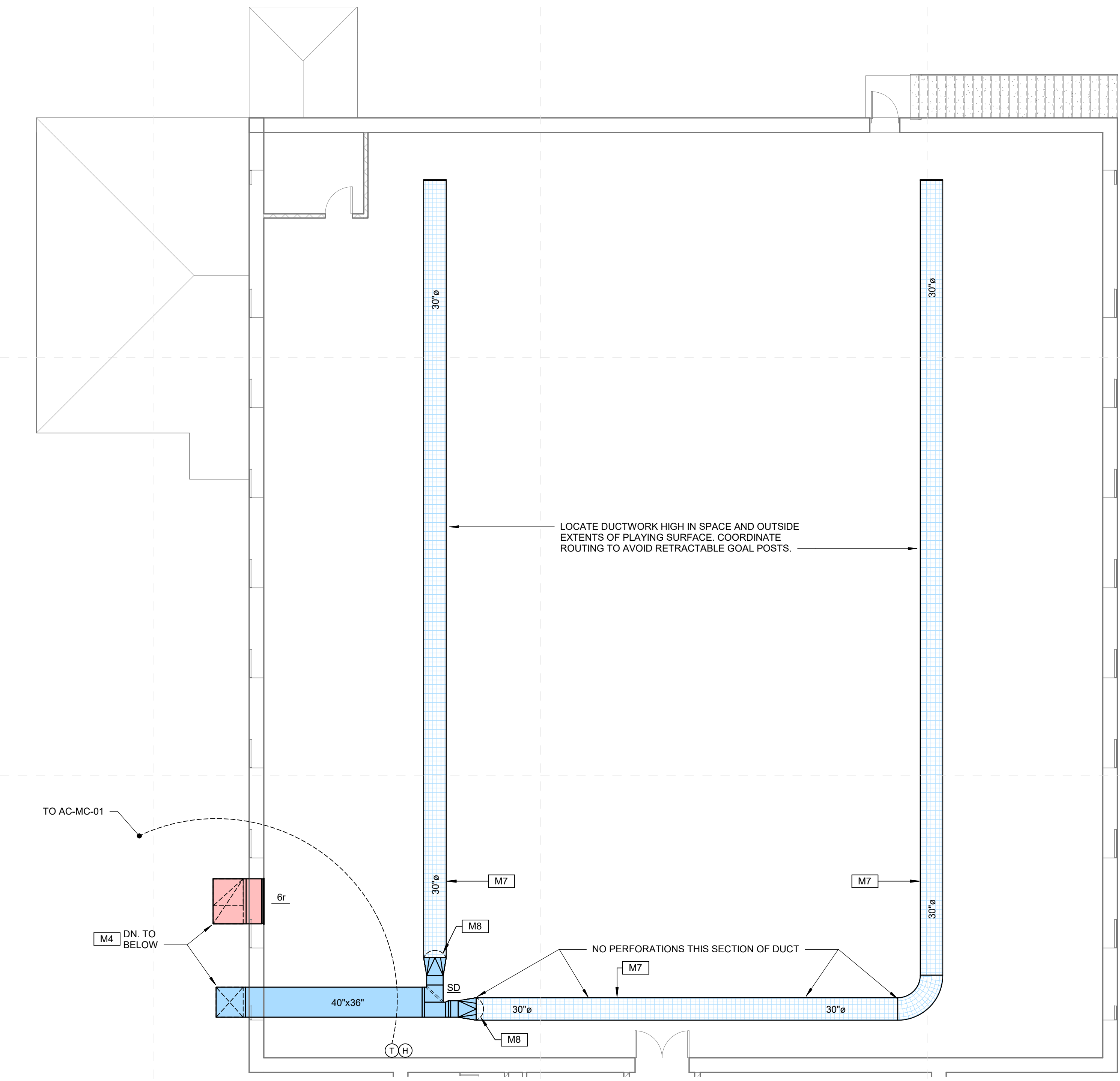
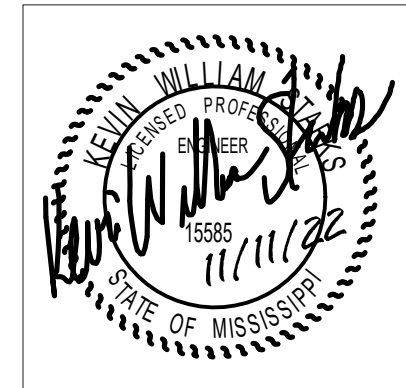
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McLaurin Upper Level - Partial New Work Plan (1)
1/8" = 1'-0"

SPECIFIC MECHANICAL NOTES	
M4	OUTDOOR DUCTWORK - SEE GENERAL HVAC NOTES FOR DETAILED REQUIREMENTS.
M7	FABRIC DUCT - SEE DETAIL AND/OR SCHEDULE FOR AIRFLOW DISTRIBUTION PATTERN REQUIREMENTS.
M8	AIR STRAIGHTENING CONE PROVIDED BY FABRIC DUCT MANUFACTURER.

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188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409
dalebaileyplans.com



McLaurin Upper Level - Partial New Work Plan (2)
1/8" = 1'-0"

GENERAL NOTES - DUCTWORK:

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Natchez-Adams School District ESSER 3
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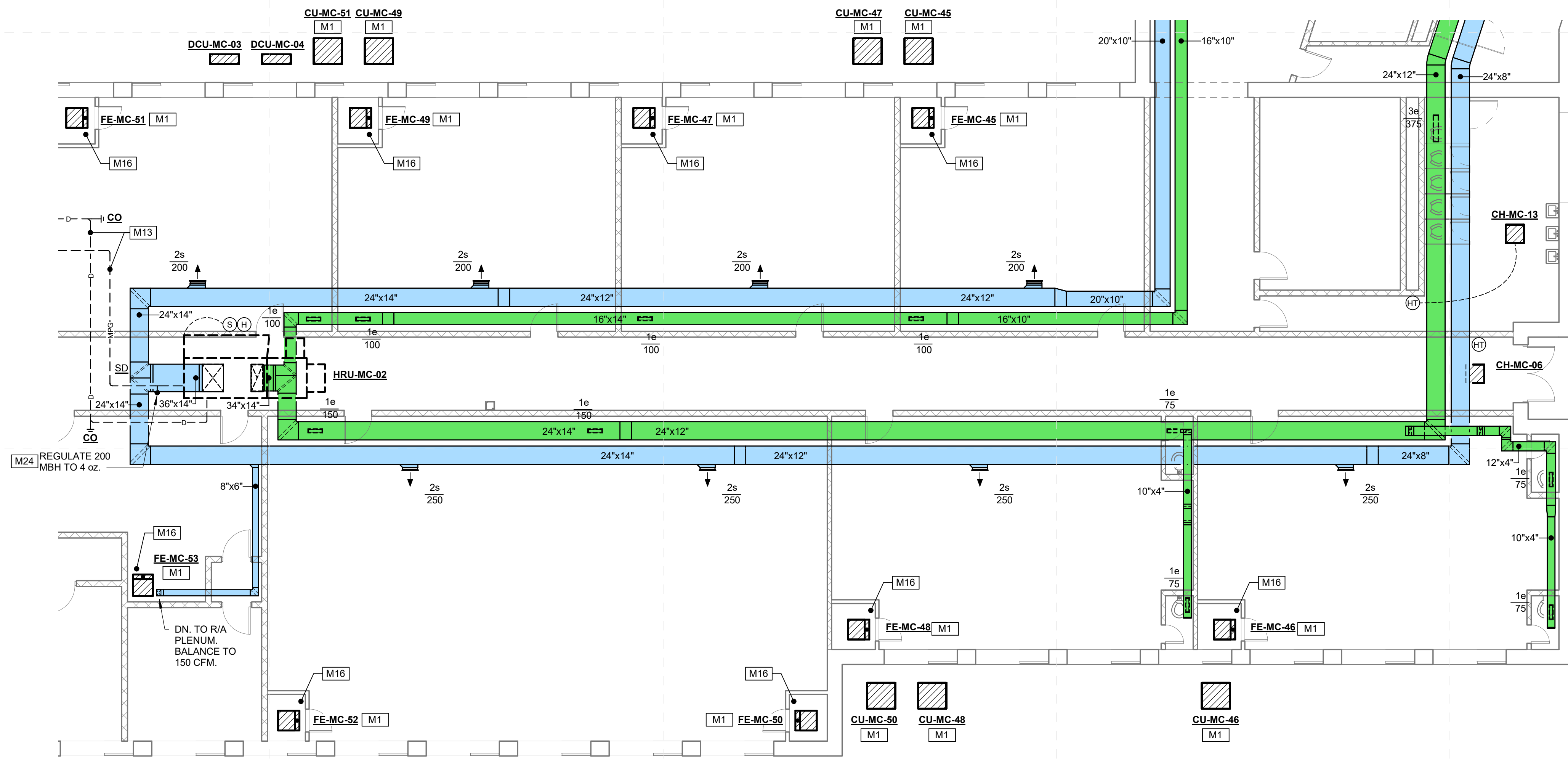
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Construction Documents

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Checked	JK/KS

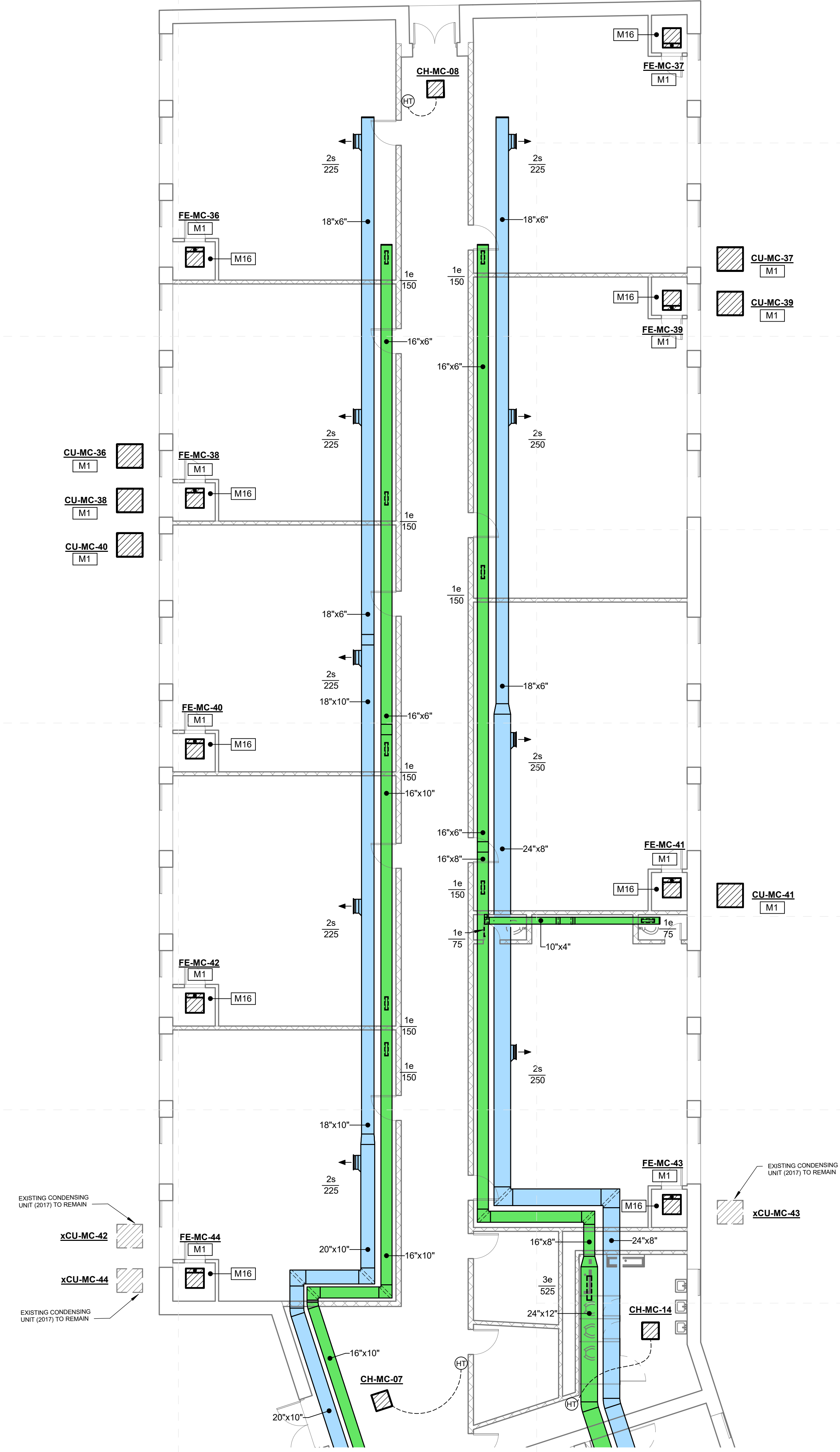
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M13	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M24	PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.

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McLaurin Upper Level - Partial New Work Plan (4)
 1/8" = 1'-0"



McLaurin Upper Level - Partial New Work Plan (5)
 1/8" = 1'-0"

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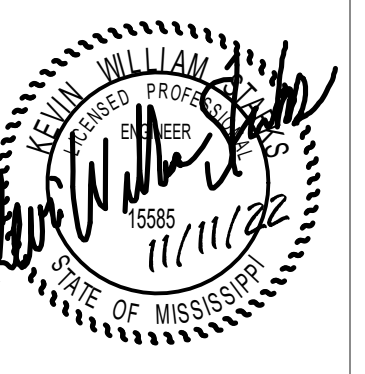
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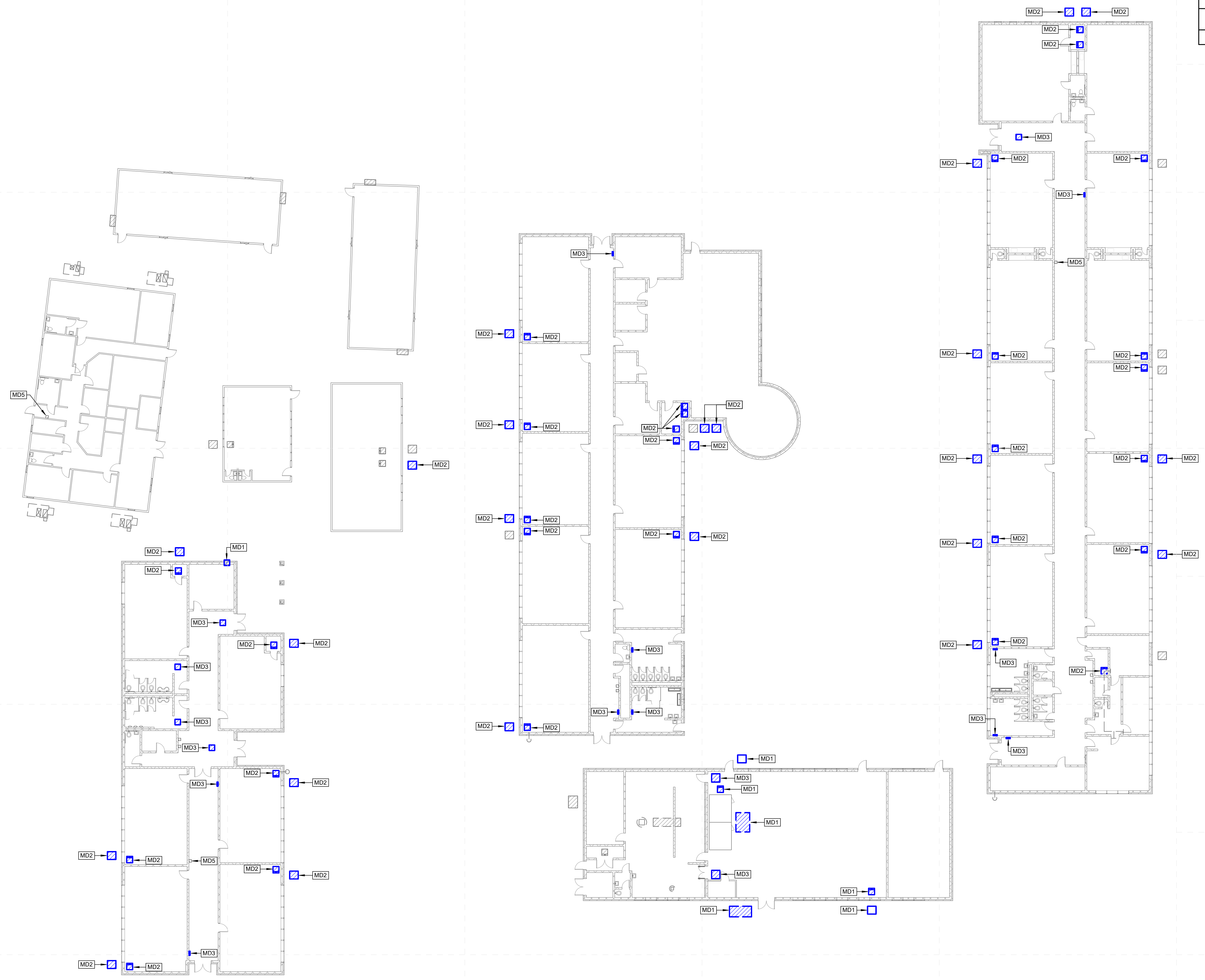
Project No 21052
 Date 11/11/2022
 Revisions Rev Date
 Drawn CMG
 Checked JK/KS



M-105b
 McLaurin Upper Level -
 Partial New HVAC Work
 Plans



SPECIFIC MECHANICAL DEMOLITION NOTES	
MD1	DEMOLISH EXISTING AIR CONDITIONING EQUIPMENT AS INDICATED.
MD2	REPLACE EXISTING AIR CONDITIONING EQUIPMENT WITH NEW IN SAME LOCATION.
MD3	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL (WHERE APPLICABLE).
MD5	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.

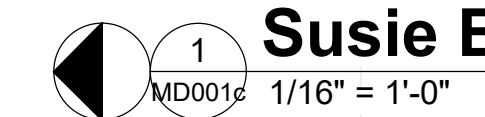


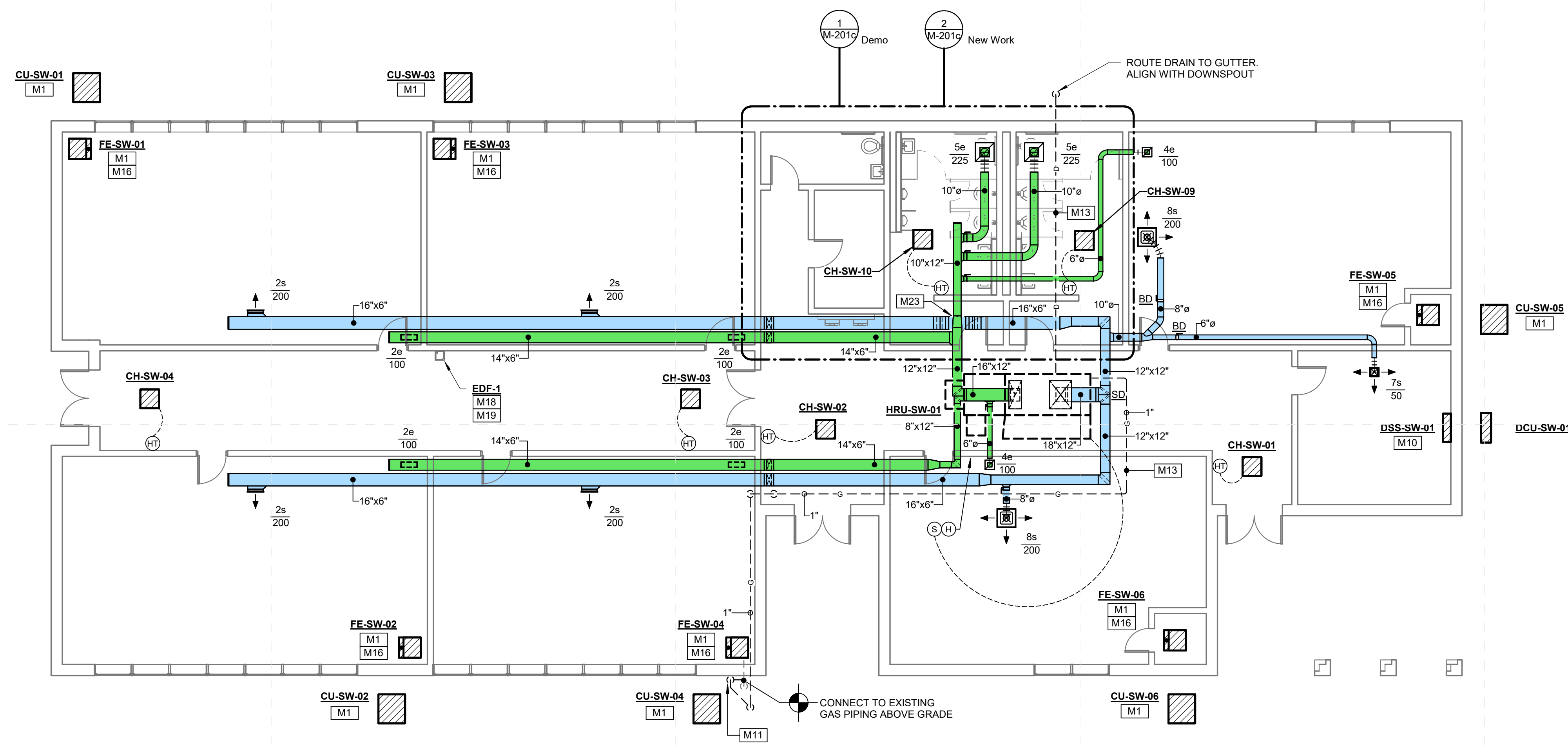
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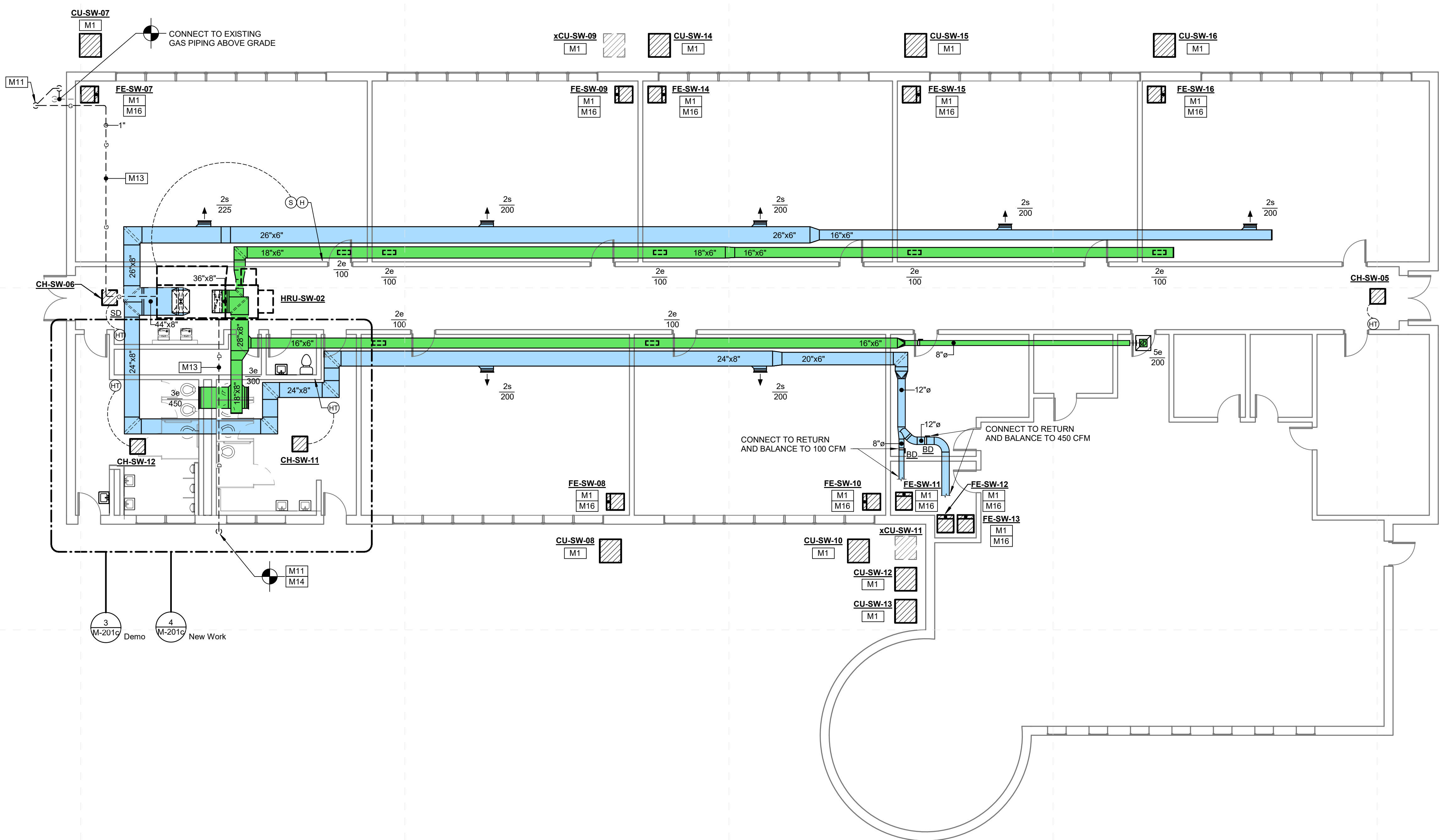
Project No	21052
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Revisions	Rev Date
Drawn	Author
Checked	Checker

Susie B. West Elementary - Overall Mechanical Demolition Plan





1 M-101c 1/8" = 1'-0" **Susie B. West Elementary - Partial New Work Plan (1)**

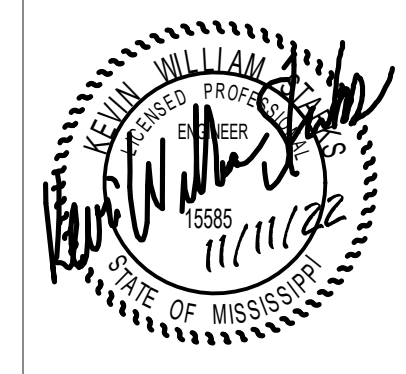


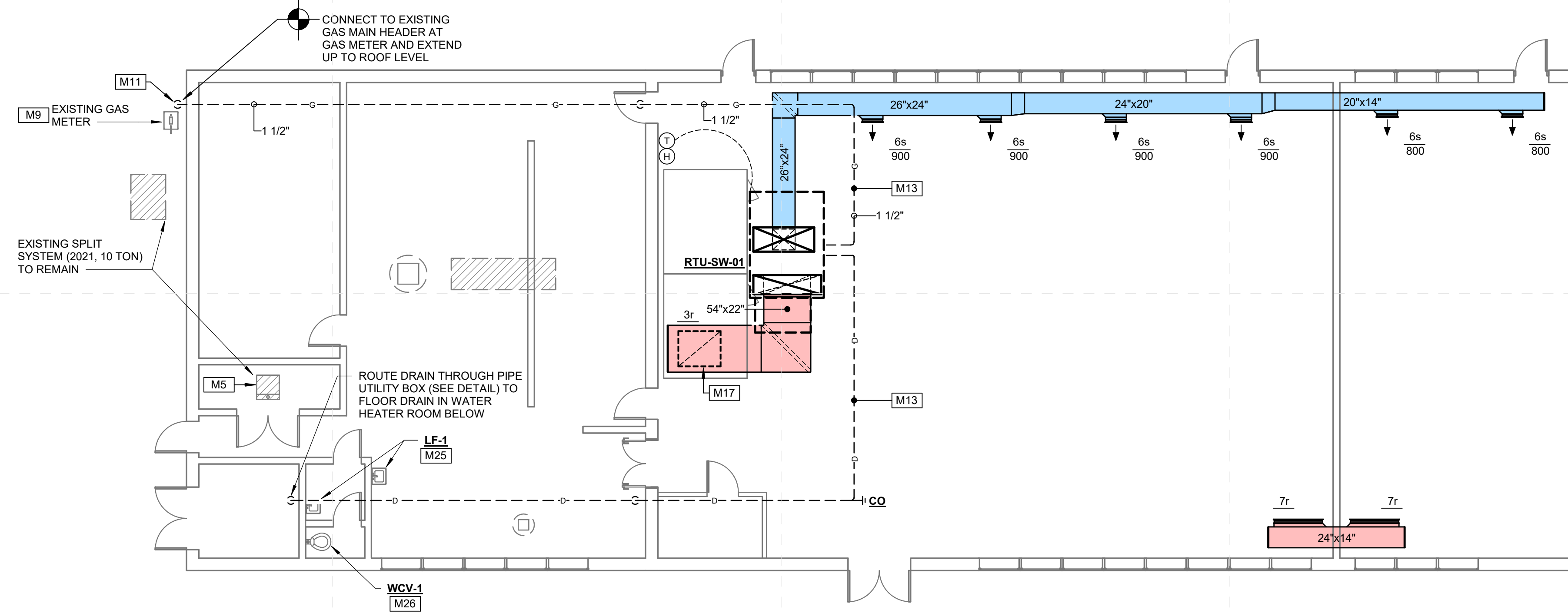
2 M-101c 1/8" = 1'-0" **Susie B. West Elementary - Partial New Work Plan (2)**

SPECIFIC MECHANICAL NOTES	
M1	REPLACE EXISTING GAS-FIRED SPLIT SYSTEM AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RE-CONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH QUIK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. PROVIDE NEW INSULATION ON EXISTING REFRIGERANT PIPING. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M10	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. SEE DETAIL.
M11	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48" O.C. PRIME/PAIN EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
M13	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOF/TOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.
M14	CONNECT TO EXISTING DRAINAGE PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M18	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M23	ROLL DUCTWORK UP/DOWN UTILIZING MAXIMUM 45 DEGREE ELBOWS AS REQUIRED TO AVOID CONFLICT.

GENERAL NOTES - DUCTWORK:

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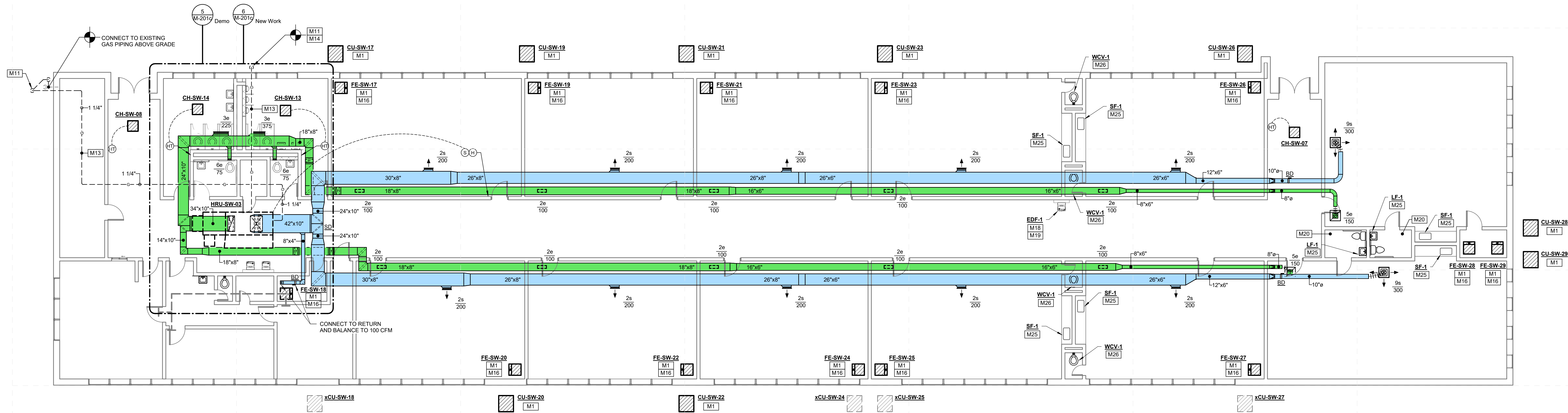
Susie B. West Elementary - Partial New Work Plan (4)

1/8" = 1'-0"

GENERAL NOTES - DUCTWORK:

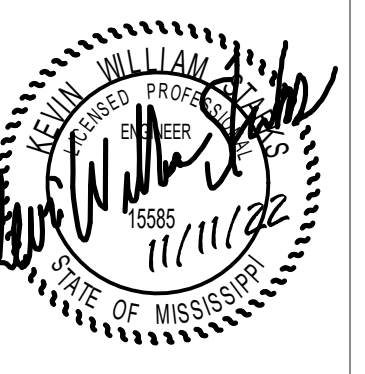
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SPECIFIC MECHANICAL NOTES	
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M5	INSTALL NEW NEEDLEPOINT IONIZATION DEVICE IN EXISTING HVAC EQUIPMENT. SEE SCHEDULE.
M9	EXISTING GAS METER. COORDINATE NEW GAS LOAD WITH SERVING UTILITY COMPANY AND MODIFY/REPLACE EXISTING METER IF REQUIRED.
M11	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48" O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
M13	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.
M14	CONNECT TO EXISTING DRAINAGE PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
M16	TYPICAL SPLIT SYSTEM REPLACEMENT. SEE DETAIL.
M17	FULL NECK SIZE ACOUSTICALLY LINED PLENUM ATOP AIR DISTRIBUTION DEVICE.
M18	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M20	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
M25	REPLACE EXISTING LAVATORY SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET. SUPPLIES, STOPS, TRAPS AND TAILPIECES AND STAINLESS STEEL CAPS OVER NON-UTILIZED HOLE DRILLINGS.
M26	REPLACE EXISTING WATER CLOSET URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.

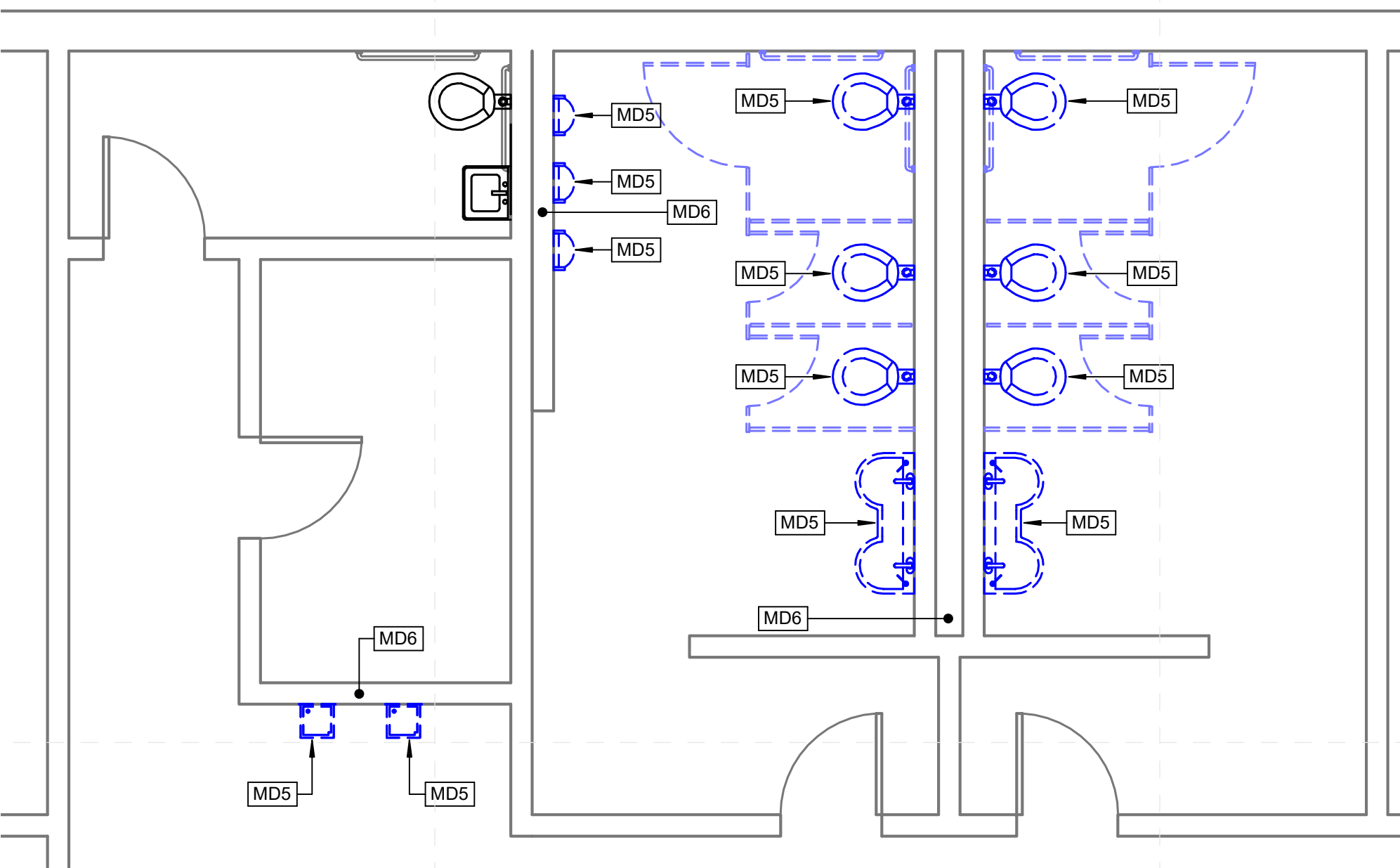


Susie B. West Elementary - Partial New Work Plan (3)

1/8" = 1'-0"

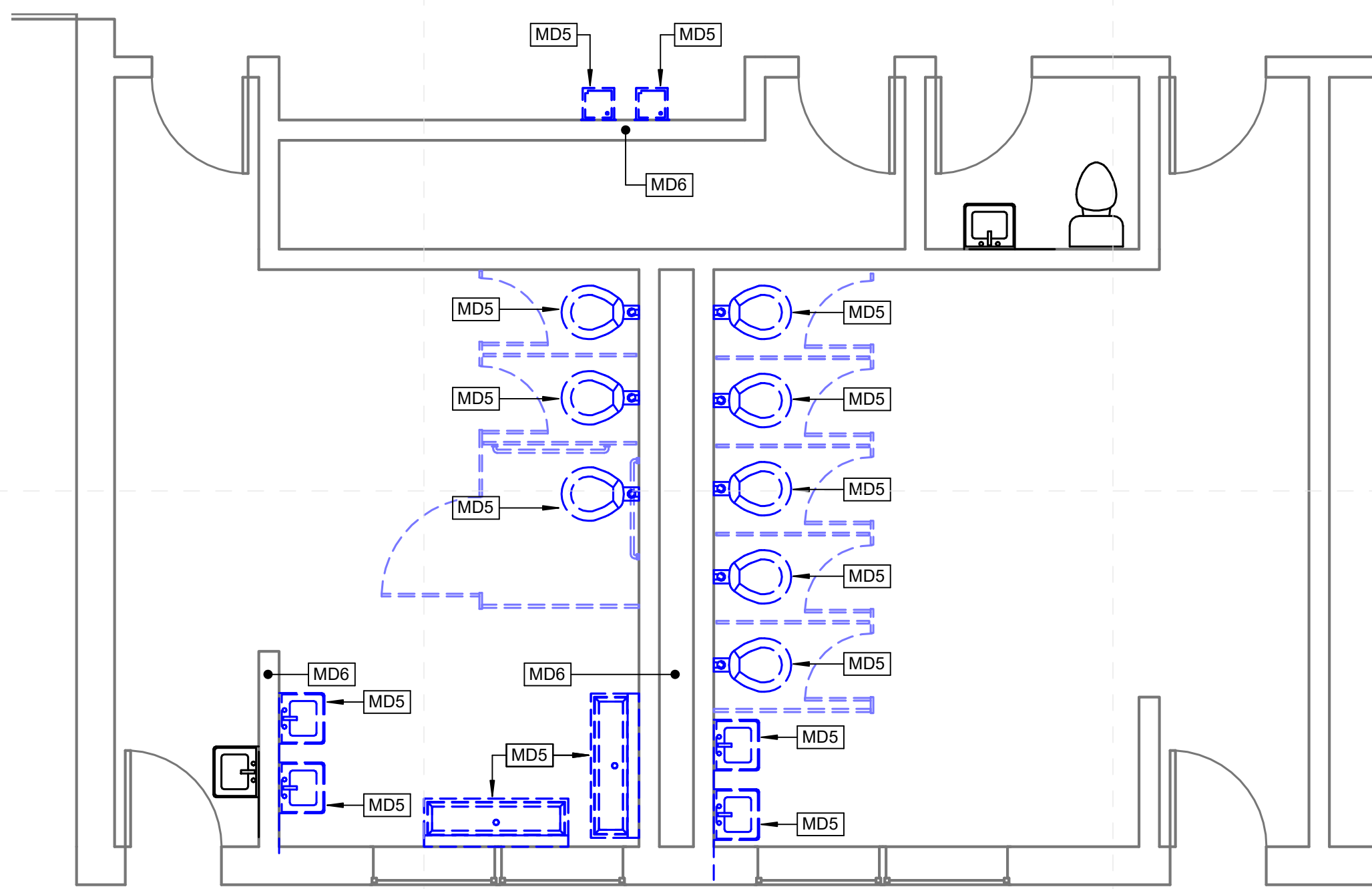


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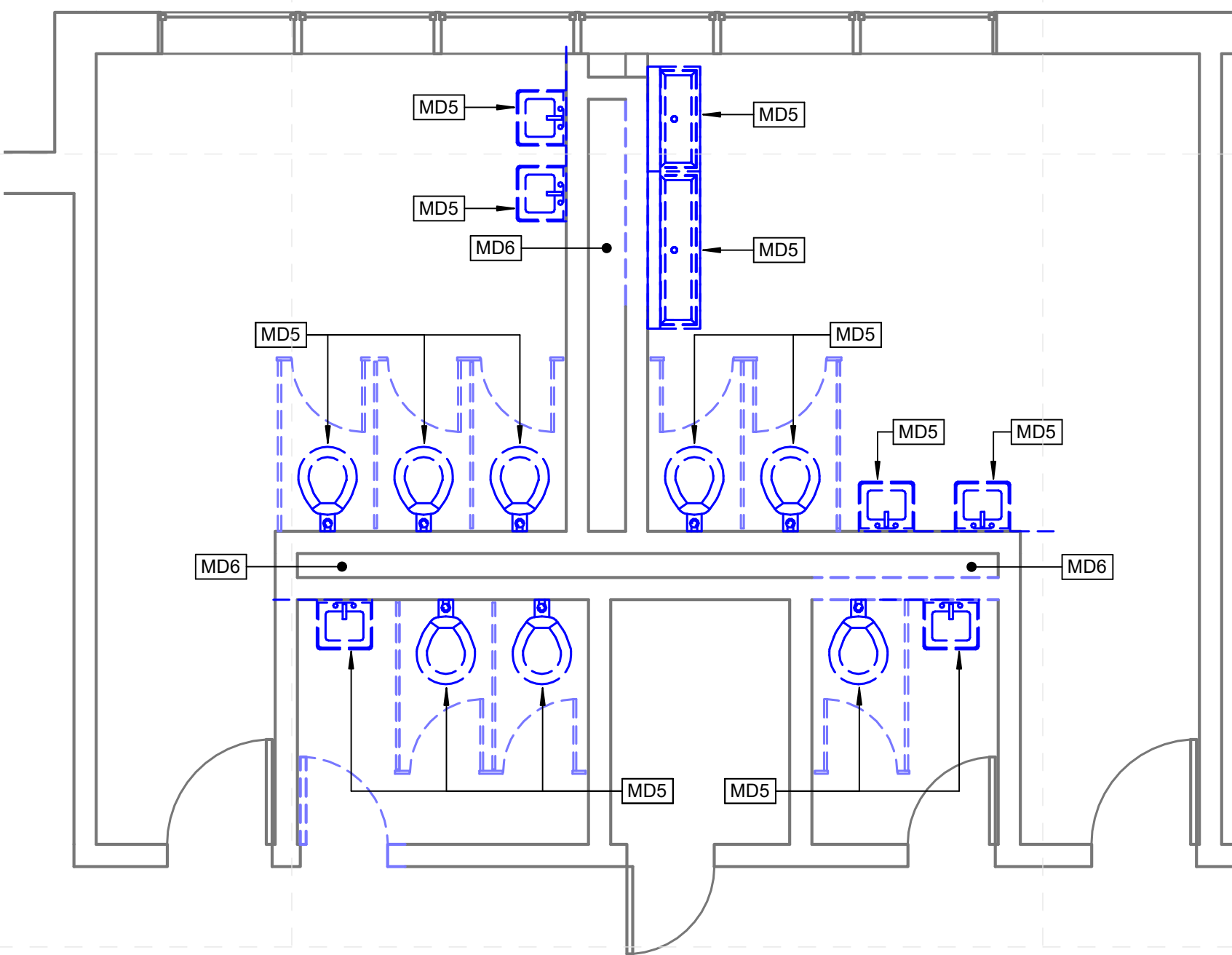
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M-201c 1/4" = 1'-0"

Susie B. West Elementary - Enlarged Toilet Demo (1)



3
M-201c 1/4" = 1'-0"

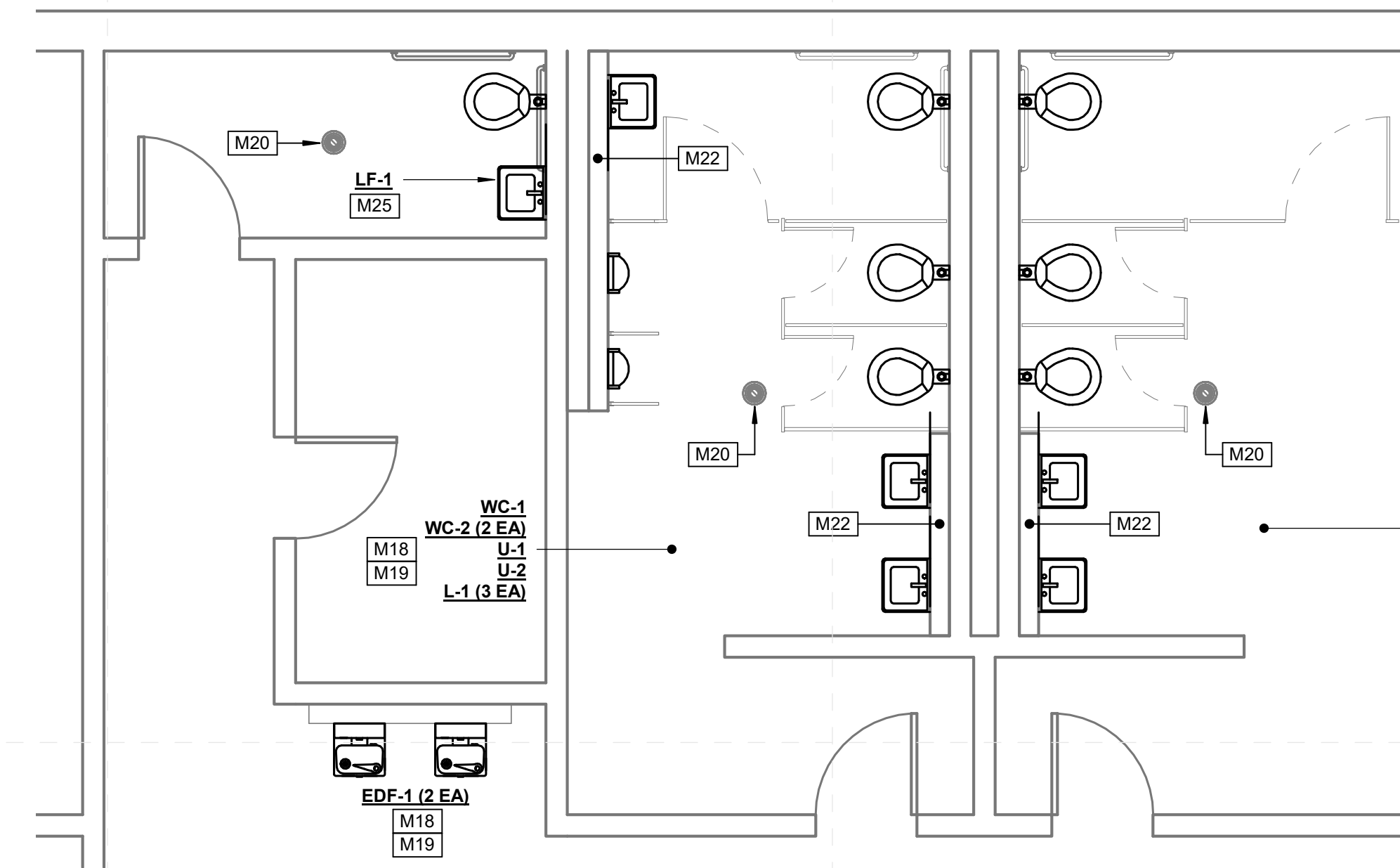
Susie B. West Elementary - Enlarged Toilet Demo (2)



5
M-201c 1/4" = 1'-0"

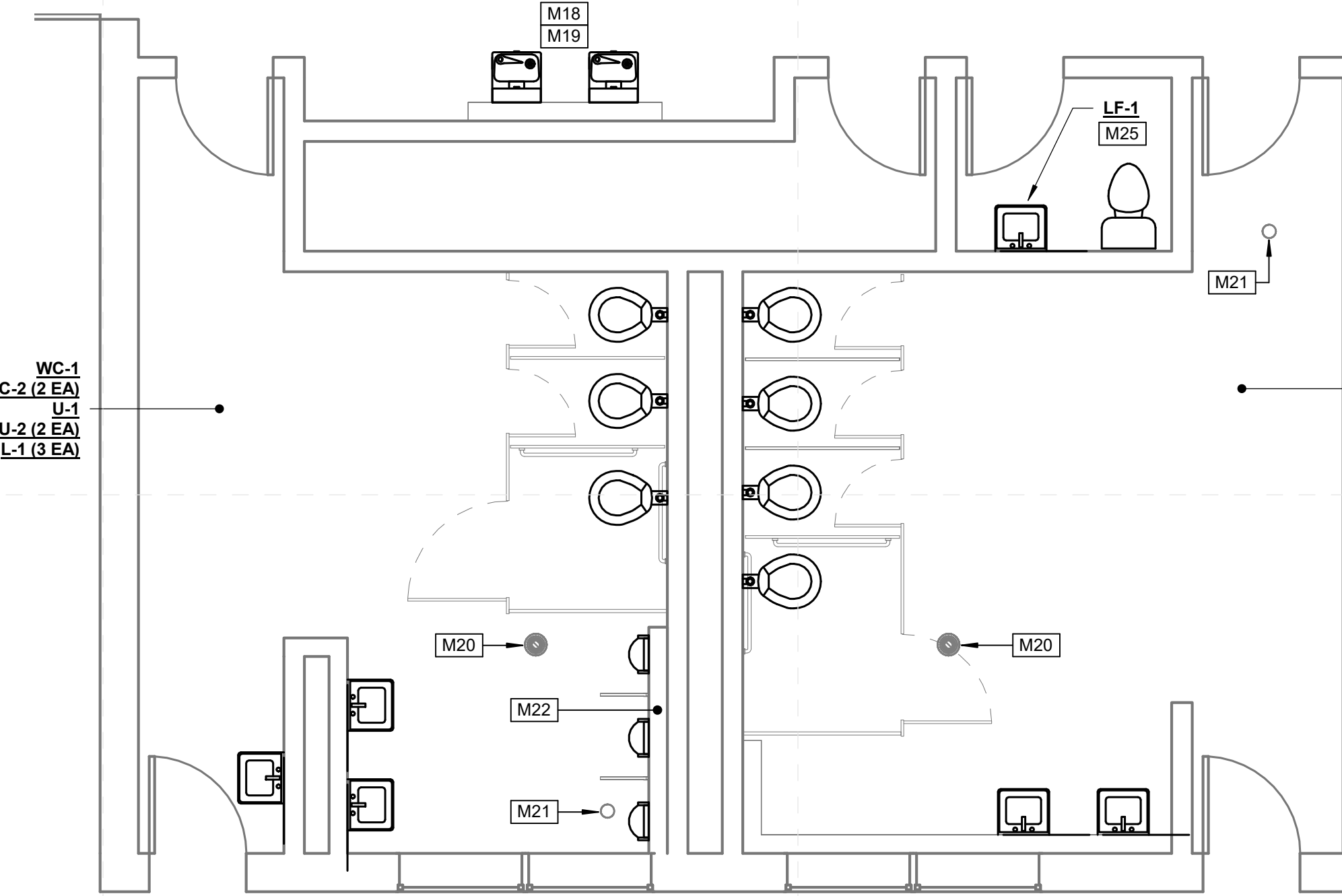
Susie B. West Elementary - Enlarged Toilet Demo (3)

SPECIFIC MECHANICAL DEMOLITION NOTES	
MDS5	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
MD6	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.



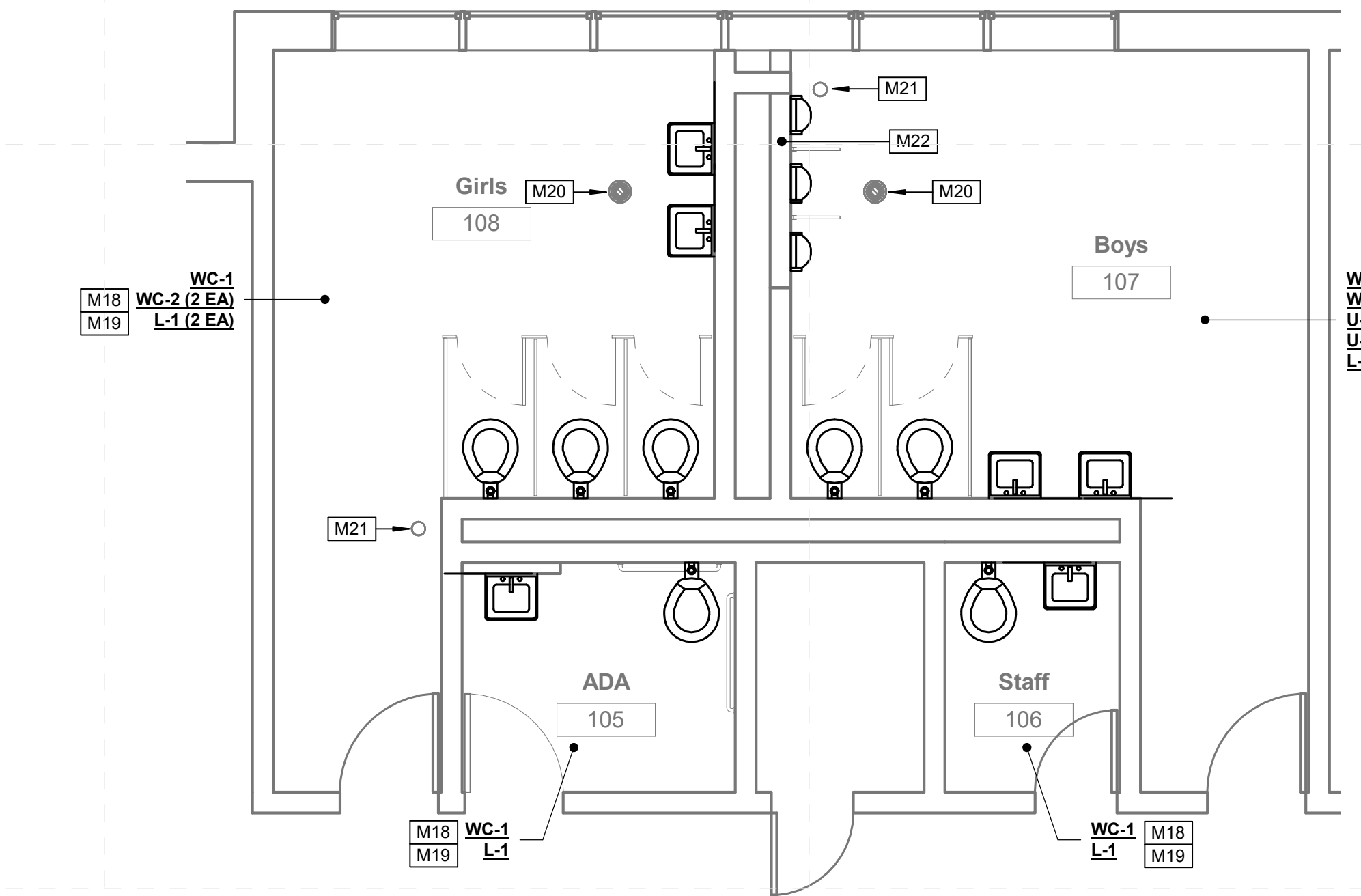
2
M-201c 1/4" = 1'-0"

Susie B. West Elementary - Enlarged Toilet New Work (1)



4
M-201c 1/4" = 1'-0"

Susie B. West Elementary - Enlarged Toilet New Work (2)



6
M-201c 1/4" = 1'-0"

Susie B. West Elementary - Enlarged Toilet New Work (3)

SPECIFIC MECHANICAL NOTES	
M18	PROVIDE NEW PLUMBING FIXTURES AS INDICATED. SEE GENERAL RENOVATION NOTES FOR MORE INFORMATION.
M19	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
M20	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
M21	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
M22	EXTEND WASTE, VENT AND WATER IN WALL TO SERVE NEW FIXTURES FROM EXISTING THIS SAME AREA.
M25	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET SUPPLIES, STOPS, TRAPS AND TAILPIECES AND STAINLESS STEEL CAPS OVER NON-UTILIZED HOLE DRILLINGS.

EXISTING PIPING NOTE:
ALL EXISTING EXPOSED PIPING TO BE RE-ROUTED CONCEALED WITHIN WALLS WHERE NEW WALLS ARE BEING INSTALLED.

DALE BAILEY
AN ASSOCIATION

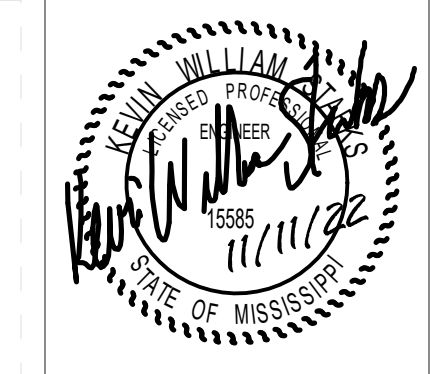
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com



Natchez-Adams School District ESSER 3

10 Hornochitto St. Natchez, MS 39120

100% Construction Documents

Project No	21052
Date	11/11/2022
Revisions	Rev Date
Drawn	Author
Checked	Checker

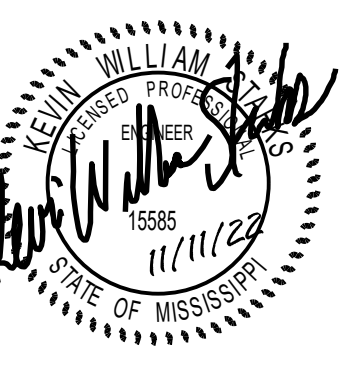
GSK
MECHANICAL
Consulting Engineering

201 Park Court - Suite A1 | Ridgeland, MS 39157
P: 601.905.2000 | F: 601.493.3111
www.gskmech.com

GSK#: 110-099

M-201c

Susie B. West - Enlarged Toilets



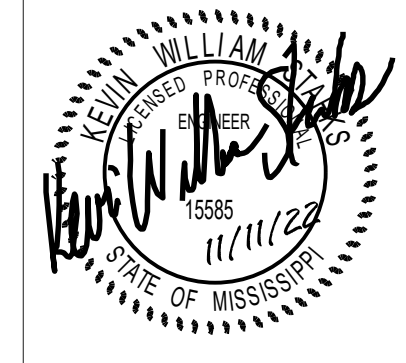
SELF-CONTAINED PACKAGED UNIT SCHEDULE																																					
MARK	AIRFLOW DATA										COOLING CAPACITY (ALL VALUES LISTED ARE NET CAPACITIES)										HEATING CAPACITY (REHEAT POSITION)						ELECTRICAL DATA					WEIGHT (LBS)	BASIS OF DESIGN	FEATURES/ACCESSORIES	MARK		
	SUPPLY AIR		OUTSIDE AIR C.F.M.	SINGLE ZONE VAV AIRFLOW C.F.M.				DESIGN CONDITIONS				GENERAL				PRIMARY		SECONDARY				SERVICE	SUPPLY FAN		EXHAUST FAN HP	MCA	MOCP										
	CFM	E.S.P. IN. W.G.		COOLING	HEATING	O.A. TEMP. °F	COIL E.A.T. °F	COIL L.A.T. °F	TOTAL MBH	SENS. MBH	MIN. NO. OF STAGES	MIN. S.E.E.R.	MIN. E.E.R.	MIN. I.E.E.R.	HOT GAS REHEAT COIL CAPACITY (MBH)	FUEL	MAX. INPUT MBH	MAX. OUTPUT MBH	MIN. NO. OF STAGES	MIN. A.F.U.E.	HP		DRIVE TYPE														
MORGANTOWN ELEMENTARY																																					
RTU-MO-01	1,050	1.00	200	-	-	-	-	95.0	78.0	78.0	65.0	56.8	54.0	32.3	23.5	1	15.0	-	-	-	-	19.5	N. GAS	60.0	48.0	1	80	208V, 3ph	0.75	DIRECT	-	24.0	30	800	TRANE MODEL YHC037	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14	RTU-MO-01
xRTU-MO-02	EXISTING TO REMAIN																																				
RTU-MO-03	1,425	0.60	225	-	-	-	-	95.0	78.0	78.0	65.0	54.9	53.4	45.2	32.6	1	15.0	-	-	-	-	27.9	N. GAS	60.0	49.0	1	80	460V, 3ph	1	DIRECT	-	14.0	20	1,100	TRANE MODEL YHC047	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14	RTU-MO-03
RTU-MO-04	1,425	0.60	225	-	-	-	-	95.0	78.0	78.0	65.0	54.9	53.4	45.2	32.6	1	15.0	-	-	-	-	27.9	N. GAS	60.0	49.0	1	80	460V, 3ph	1	DIRECT	-	14.0	20	1,100	TRANE MODEL YHC047	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14	RTU-MO-04
RTU-MO-05	1,425	0.60	225	-	-	-	-	95.0	78.0	78.0	65.0	54.9	53.4	45.2	32.6	1	15.0	-	-	-	-	27.9	N. GAS	60.0	49.0	1	80	460V, 3ph	1	DIRECT	-	14.0	20	1,100	TRANE MODEL YHC047	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14	RTU-MO-05
RTU-MO-06	1,100	0.60	200	-	-	-	-	95.0	78.0	78.0	65.0	56.8	54.0	32.3	23.5	1	15.0	-	-	-	-	19.5	N. GAS	60.0	48.0	1	80	460V, 3ph	0.75	DIRECT	-	12.0	15	900	TRANE MODEL YHC037	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14	RTU-MO-06
AC-MO-07	5,250	1.00	750	-	-	-	-	95.0	78.0	78.0	65.0	54.0	53.3	173.3	130.2	2	-	10.8	14.0	-	-	116.8	N. GAS	320.0	259.2	2	80	460V, 3ph	2 @ 3.1	DIRECT	0.87	45.0	50	GROUND	TRANE MODEL YS1180	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 17, 18	AC-MO-07
AC-MO-08	2,975	1.00	450	-	-	-	-	95.0	78.0	78.0	65.0	53.8	53.2	96.9	72.4	2	-	11.0	14.6	-	-	50.6	N. GAS	150.0	121.5	2	80	460V, 3ph	3.1	DIRECT	0.87	28.0	35	GROUND	TRANE MODEL YS1102	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 17, 18	AC-MO-08
AC-MO-09	7,000	1.00	1,000	-	-	-	-	95.0	78.0	78.0	65.0	54.5	53.4	226.9	167.7	2	-	9.8	13.0	-	-	158.3	N. GAS	320.0	259.2	2	80	460V, 3ph	2 @ 3.1	DIRECT	0.87	57.0	70	GROUND	TRANE MODEL YS1240	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 17, 18	AC-MO-09
AC-MO-10	14,000	1.00	2,500	7,000	14,000	7,000	14,000	95.0	78.0	78.0	65.0	53.6	53.5	433.1	331.4	2	-	10.9	14.7	-	-	249.2	N. GAS	800.0	648.0	2	80	208V, 3ph	15	BELT	0.87	257.2	300	GROUND	TRANE MODEL YCH480	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 16, 17, 18	AC-MO-10
McLAURIN ELEMENTARY																																					
AC-MC-01	14,000	1.00	2,500	7,000	14,000	7,000	14,000	95.0	78.0	78.0	65.0	53.6	53.5	433.1	331.4	2	-	10.9	14.7	-	-	249.2	N. GAS	800.0	648.0	2	80	208V, 3ph	15	BELT	0.87	257.2	300	GROUND	TRANE MODEL YCH480	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 16, 17, 18	AC-MC-01
AC-MC-02	5,250	1.00	750	-	-	-	-	95.0	78.0	78.0	65.0	54.0	53.3	173.3	130.2	2	-	10.8	14.0	-	-	116.8	N. GAS	320.0	259.2	2	80	208V, 3ph	2 @ 3.1	DIRECT	0.87	83.0	110	GROUND	TRANE MODEL YS1180	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 17, 18	AC-MC-02
AC-MC-03	3,500	1.00	525	-	-	-	-	95.0	78.0	78.0	65.0	54.1	53.4	113.5	85.1	2	-	11.0	14.6	-	-	58.6	N. GAS	200.0	132.0	2	80	208V, 3ph	2 @ 3.1	DIRECT	0.87	60.0	80	GROUND	TRANE MODEL YS1120	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 17, 18	AC-MC-03
SUSIE B. WEST ELEMENTARY																																					
RTU-SW-01	5,200	1.00	750	-	-	-	-	95.0	78.0	78.0	65.0	54.0	53.3	173.3	130.2	2	-	10.8	14.0	-	-	116.8	N. GAS	320.0	259.2	2	80	208V, 3ph	2 @ 3.1	DIRECT	0.87	83.0	110	3,100	TRANE MODEL YS1180	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15, 17, 18	RTU-SW-01

- NOTES:**
- ALL RATINGS ARE AT SPECIFIED DESIGN DAY, CFM AND EXTERNAL STATIC PRESSURE CONDITIONS.
 - MINIMUM A.F.U.E. - AS SCHEDULED.
 - ALSO DEFINED AS NUMBER OF INDEPENDENT REFRIGERANT CIRCUITS.
 - MINIMUM REHEAT CAPACITY COINCIDENT WITH ONLY LEAD CIRCUIT COOLING SYSTEM ENERGIZED.
 - SEE SPECIFICATIONS FOR CONTROLS INFORMATION.
 - SEE SPECIFICATIONS FOR COORDINATION OF SMOKE DETECTORS.
 - ALL UNITS SHALL UTILIZE R-410A REFRIGERANT.
 - FOR UNITS WITH VARIABLE SPEED DRIVES, PROVIDE SUBMITTAL DATA FOR BOTH THE OPERATING AND MAXIMUM TOTAL STATIC PRESSURE AT DESIGN SUPPLY CFM (UTILIZING MAXIMUM BHP AVAILABLE IN MOTOR). BELTS/PULLEYS TO BE PROVIDED BASED UPON MAXIMUM TOTAL STATIC PRESSURE.
 - UNIT SHALL BE STARTED UP AND CHECKED OUT BY A FACTORY SERVICE REPRESENTATIVE. PROVIDE COPY OF START-UP REPORT AND MANUFACTURER'S REGISTERED CASE NUMBER IN CLOSE-OUT DOCUMENTATION.

- FEATURES/ACCESSORIES:**
- EVAPORATOR LOW LIMIT TEMPERATURE AND TIME DELAY AUTOMATIC RESTART CONTROLS FOR EACH CIRCUIT.
 - HEAD PRESSURE CONTROL KIT.
 - FACTORY MOUNTED AND POWERED GFI CONVENIENCE OUTLET.
 - SINGLE POINT POWER CONNECTION WITH INTEGRAL DISCONNECT.
 - HINGED ACCESS DOORS, WEATHERPROOF GASKETED SEALS AND TOOL-LESS QUARTER TURN LATCHES ON COMPRESSOR, EVAPORATOR FAN, CONTROLS AND AIR FILTER SECTIONS.
 - PHASE LOSS/PHASE REVERSAL, OVER/UNDER VOLTAGE AND BROWN OUT ELECTRICAL PROTECTION ON ENTIRE UNIT.
 - THRU-BASE ELECTRICAL CONNECTION.
 - HEAVY DUTY CONDENSER COIL HAIL GUARDS.
 - ROOF CURB (SEE DETAIL).
 - CURB ADAPTER (SEE DETAIL).
 - LOW AMBIENT CONTROLS DOWN TO 0°F.
 - 2-POSITION CONTROL, HOT GAS REHEAT COIL.
 - MOTORIZED OUTSIDE AIR DAMPER.
 - PROVIDE WITH NEEDLE POINT IONIZATION DEVICES PER SCHEDULE.
 - FULL ECONOMIZER WITH DIFFERENTIAL ENTHALPY BASED CONTROLS AND POWERED RELIEF FAN.
 - VFD FOR SINGLE ZONE VARIABLE AIR VOLUME CONTROL.
 - HORIZONTAL DUCT CONNECTIONS OR SOLID BOTTOM HORIZONTAL DISCHARGE CURB. SEE DETAIL.
 - DUCT MOUNTED SUPPLY AND RETURN SMOKE DETECTORS WIRED TO SHUT-DOWN UNIT UPON DETECTION OF PRODUCTS OF COMBUSTION. COORDINATE INTERLOCK WITH FIRE ALARM SYSTEM WHERE ONE EXISTS.

COMPARABLE PRODUCTS:
TRANE, CARRIER, YORK, DAIKIN, LENNOX OR APPROVED

HEAT RECOVERY UNITS SCHEDULE																																													
MARK	HEAT EXCHANGER DESIGN CONDITIONS										COOLING CAPACITY (ALL VALUES LISTED ARE NET CAPACITIES)										HEATING CAPACITY (REHEAT POSITION)						ELECTRICAL DATA					UNIT WEIGHT (LBS.)	BASIS OF DESIGN	FEATURES/ACCESSORIES	MARK										
	OUTSIDE AIR / SUPPLY AIR SIDE					EXHAUST AIR / RETURN AIR SIDE					DESIGN CONDITIONS				COOLING AND DEHUMIDIFICATION MODE		HEATING MODE				SUPPLY FAN HP	RETURN EXHAUST FAN HP	HEAT EXCHANGER WHEEL MOTOR HP	SERVICE	MCA	MOCP																			
	CFM	EXT. S.P. IN. W.G.	WINTER E.A.T. °F	L.A.T. °F	SUMMER E.A.T. °F	L.A.T. °F	CFM	EXT. S.P. IN. W.G.	WINTER E.A.T. °F	L.A.T. °F	SUMMER E.A.T. °F	L.A.T. °F	OUTSIDE AIR TEMP.	COIL E.A.T. °F	COIL L.A.T. °F	TOTAL MBH	SENS. MBH	MIN. NO. OF STAGES	ISMRE	HOT GAS REHEAT COIL CAPACITY (MBH)							FUEL	MAX. INPUT MBH	MIN. MOD. TURNDOWN	MIN. A.F.U.E.															
MORGANTOWN ELEMENTARY																																													
HRU-MO-01	2,700	1.25	22.0	18.3	50.2	41.7	95.6	76.7	83.3	69.0	2,040	1.00	72.0	55.8	34.3	29.9	75.0	62.5	90.4	73.4	95.6	76.7	83.3	69.0	54.8	54.5	125.5	84.8	2	7.8	61	N. GAS	200	16.1	80%	2	1-1/2	1/6	460V, 3ph	29.1	40	3,400	GREENHECK MODEL RVE-40-36D-10I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-MO-01
HRU-MO-02	3,650	1.25	22.0	18.3	52.2	43.0	95.6	76.7	82.6	68.5	3,375	1.00	72.0	55.8	38.4	33.4	75.0	62.5	88.7	72.2	95.6	76.7	82.6	68.5	56.1	56.0	147.8	106.4	2	7.4	79	N. GAS	200	16.1	80%	5	3	1/6	460V, 3ph	34.8	50	3,600	GREENHECK MODEL RVE-40-41D-12.5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-MO-02
HRU-MO-03	1,900	1.25	22.0	18.3	58.7	47.4	95.6	76.7	80.1	66.7	1,750	1.00	72.0	55.8	31.5	27.7	75.0	62.5	91.5	74.0	95.6	76.7	80.1	66.7	55.2	55.1	69.4	51.9	1	9.3	47	N. GAS	100	16.1	80%	1-1/2	1-1/2	1/6	208V, 3ph	34.2	45	3,200	GREENHECK MODEL RVE-40-36C-5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-MO-03
HRU-MO-04	3,200	1.25	22.0	18.3	50.4	41.7	95.6	76.7	83.3	69.0	2,725	1.00	72.0	55.8	37.4	32.5	75.0	62.5	89.1	72.5	95.6	76.7	83.3	69.0	54.9	54.8	146.2	100.1	2	7.4	75	N. GAS	200	16.1	80%	3	2	1/6	460V, 3ph	31.1	45	3,600	GREENHECK MODEL RVE-40-36D-12.5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-MO-04
McLAURIN ELEMENTARY																																													
HRU-MC-01	4,850	1.25	22.0	18.3	56.2	45.7	95.6	76.7	81.1	67.5	4,175	1.00	72.0	55.8	31.6	27.8	75.0	62.5	91.5	74.0	95.6	76.7	81.1	67.5	55.0	54.7	195.9	138.6	2	7.0	116	N. GAS	300	12.1	80%	5	5	1/6	208V, 3ph	87.2	110	5,200	GREENHECK MODEL RVE-85-52C-15I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-MC-01
HRU-MC-02	4,050	1.25	22.0	18.3	49.3	41.0	95.6	76.7	83.7	69.3	3,250	1.00	72.0	55.8	36.9	32.2	75.0	62.5	89.3	72.6	95.6	76.7	83.7	69.3	54.3	54.2	196.8	131.3	2	6.6	86	N. GAS	200	16.1	80%	5	3	1/6	208V, 3ph	98.8	150	3,700	GREENHECK MODEL RVE-40-41D-15I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-MC-02
HRU-MC-03	1,700	1.25	22.0	18.3	52.3	43.1	95.6	76.7	82.5	68.4	1,425	1.00	72.0	55.8	34.5	30.1	75.0	62.5	90.3	73.3	95.6	76.7	82.5	68.4	55.8	55.7	69.8	50.0	1	9.3	45	N. GAS	100	16.1	80%	1-1/2	1-1/2	1/6	208V, 3ph	34.0	45	3,200	GREENHECK MODEL RVE-40-30D-5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-MC-03
SUSIE B. WEST ELEMENTARY																																													
HRU-SW-01	1,250	1.25	22.0	18.3	54.3	44.5	95.6	76.7	81.7	67.9	1,050	1.00	72.0	55.8	32.3	28.3	75.0	62.5	91.3	73.9	95.6	76.7	81.7	67.9	50.3	50.3	66.9	43.1	1	9.3	41	N. GAS	100	16.1	80%	1	1	1/6	208V, 3ph	31.2	45	3,200	GREENHECK		

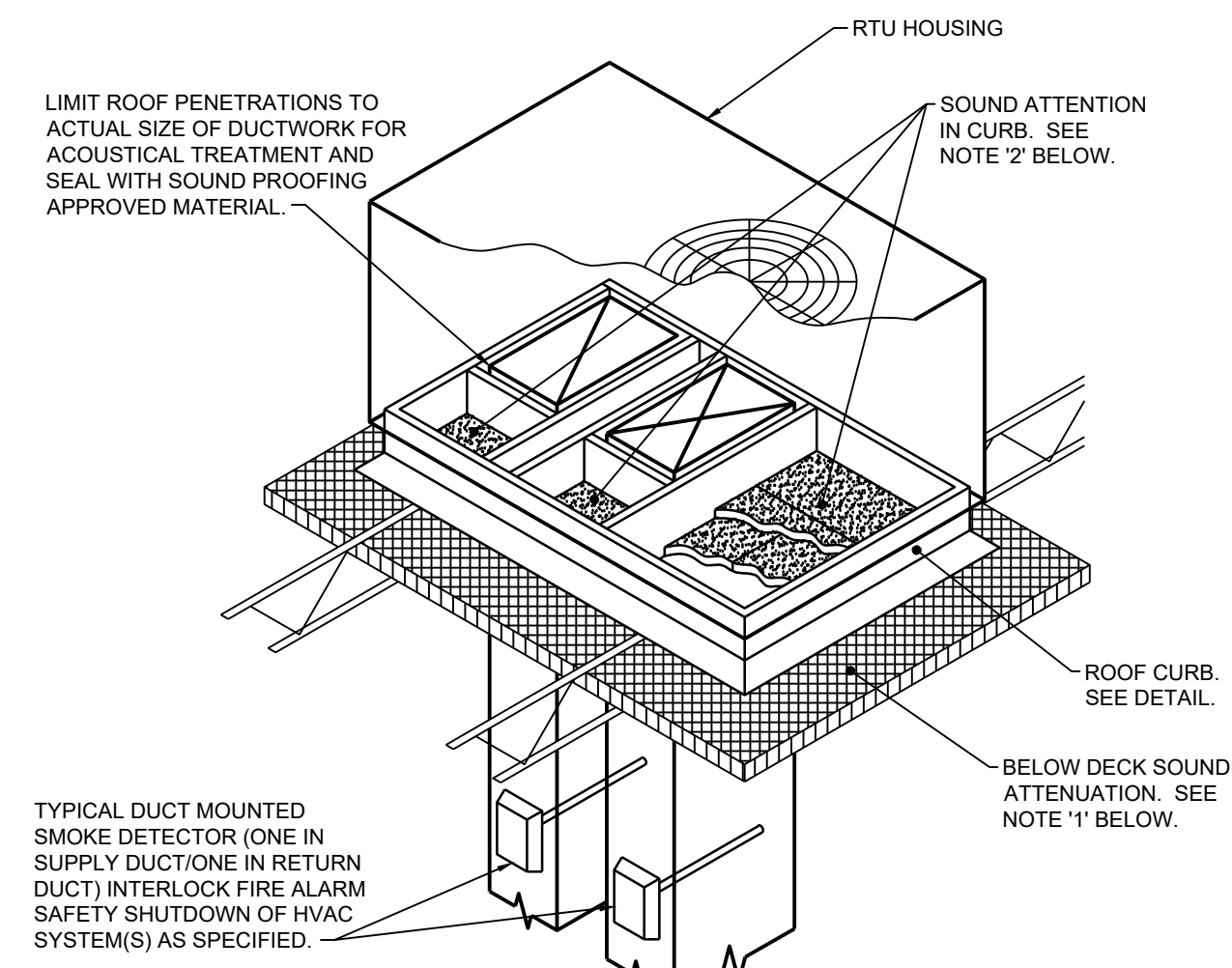


MARK	TYPE	HEATING CAPACITY			ELECTRICAL DATA			FAN HP	BASIS OF DESIGN	NOTES
		CFM	E.A.T. D.B., °F	MINIMUM MBH	SERVICE	HTG. ELEM. KW	MIN. S.E.E.R.			
MORGANTOWN ELEMENTARY										
CH-MO-01	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-02	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-03	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-04	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-05	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-06	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-07	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-08	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-09	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-10	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-11	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-12	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-13	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-14	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-15	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-16	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-17	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-18	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-19	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MO-20	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
MCLAURIN ELEMENTARY										
CH-MC-01	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-MC-02	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-MC-03	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-MC-04	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-MC-05	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-MC-06	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-MC-07	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-MC-08	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-MC-09	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MC-10	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MC-11	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MC-12	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MC-13	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MC-14	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-MC-15	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
SUSIE B. WEST ELEMENTARY										
CH-SW-01	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-SW-02	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-SW-03	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-SW-04	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-SW-05	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-SW-06	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-SW-07	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-SW-08	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-SW-09	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-SW-10	RECESSED	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 4	
CH-SW-11	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-SW-12	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-SW-13	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
CH-SW-14	SURFACE	225	65	6.8	208V, 1ph	2.0	1/25	Q-MARK CDF SERIES	1, 2, 3	
NOTES: 1. WITH LOW-VOLTAGE WALL MOUNTED THERMOSTAT 2. INITIALLY SET AT 60° (ADJUSTABLE) 3. SURFACE MOUNTING FRAME 4. RECESSED T-BAR MOUNTING										
COMPARABLE PRODUCTS: MARKEL, Q-MARK										

MARK	TYPE	TOTAL CFM	HEATING CAPACITY			COOLING CAPACITY			ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ACCESSORIES	MATCHED TO
			INDOOR D.B., °F	OUTDOOR D.B., °F	TOT. REV. CYCLE MBH	EAT (°F)	TOTAL MBH	MIN. S.E.E.R.				
MCLAURIN ELEMENTARY												
DSS-MC-01	WALL	700	70	47	21.6	80	67	18.0	208V, 1ph	LG MODEL LSN180	1, 2, 3 DCU-MC-01	
DSS-MC-02	WALL	700	70	47	21.6	80	67	18.0	208V, 1ph	LG MODEL LSN180	1, 2, 3 DCU-MC-02	
DSS-MC-03	WALL	700	70	47	21.6	80	67	18.0	208V, 1ph	LG MODEL LSN180	1, 2, 3 DCU-MC-03	
DSS-MC-04	WALL	700	70	47	21.6	80	67	18.0	208V, 1ph	LG MODEL LSN180	1, 2, 3 DCU-MC-04	
SUSIE B. WEST ELEMENTARY												
DSS-SW-01	WALL	260	70	47	10.9	80	67	9.0	208V, 1ph	LG MODEL LSN090	1, 2, 3 DCU-SW-01	
*BASED ON 47 °F D.B. OUTSIDE AND 70 °F D.B. INDOOR ENTERING COIL TEMPERATURE												
FEATURES/ACCESSORIES: 1. PROVIDE WITH HARD WIRED WALL MOUNTED THERMOSTAT. 2. MANUFACTURER'S INTEGRAL CONDENSATE PUMP. 3. PROVIDE WITH NEEDLE POINT IONIZATION DEVICES PER SCHEDULE												
COMPARABLE PRODUCTS: MITSUBISHI, DAIKIN, LG												

MARK	COOLING CAPACITY			HEATING CAPACITY			MAXIMUM REFRIGERANT PIPE LENGTH (FT.)	ELECTRICAL SERVICE	BASIS OF DESIGN	MATCHED TO
	OUTDOOR D.B., °F	TOTAL MBH	MIN. S.E.E.R.	TOTAL REVERSE CYCLE, MBH*	HSPF	REFRIGERANT PIPE LENGTH (FT.)				
MCLAURIN ELEMENTARY										
DCU-MC-01	95	18.0	21.5	21.6	10.2	114	208V, 1ph	LG MODEL LSU180	DSS-MC-01	
DCU-MC-02	95	18.0	21.5	21.6	10.2	114	208V, 1ph	LG MODEL LSU180	DSS-MC-02	
DCU-MC-03	95	18.0	21.5	21.6	10.2	114	208V, 1ph	LG MODEL LSU180	DSS-MC-03	
DCU-MC-04	95	18.0	21.5	21.6	10.2	114	208V, 1ph	LG MODEL LSU180	DSS-MC-04	
SUSIE B. WEST ELEMENTARY										
DCU-SW-01	95	9.0	23.5	10.9	11.3	50	208V, 1ph	LG MODEL LSU090	DSS-SW-01	
*BASED ON 47 °F D.B. OUTSIDE AND 70 °F D.B. INDOOR ENTERING COIL TEMPERATURE										
COMPARABLE PRODUCTS: MITSUBISHI, DAIKIN, LG										
NOTES: 1. REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE. 2. PROVIDE LOW AMBIENT CONTROLS/CAPABILITY. 3. ALL UNITS TO BE PROVIDED WITH HIGH/LOW PRESSURE SWITCHES, HARD SHUTOFF KIT, AND WARRANTY AS SPECIFIED. 4. SEE SPECIFICATIONS FOR WARRANTY INFORMATION. 5. PROVIDE WITH INVERTER DUTY OR VARIABLE SPEED COMPRESSOR.										

MARK	COOLING CAPACITY						ELECTRICAL			BASIS OF DESIGN	MATCHED TO
	OUTDOOR D.B., °F	TOTAL MBH	MIN. S.E.E.R.	MIN. E.E.R.	MIN. I.E.E.R.	SERVICE	MCA	MOCP			
MORGANTOWN ELEMENTARY											
CU-MO-01	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-01	
CU-MO-02	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-02	
CU-MO-03	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-03	
CU-MO-04	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-04	
CU-MO-05	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-05	
CU-MO-06	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-06	
CU-MO-07	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-07	
CU-MO-08	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-08	
CU-MO-09	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-09	
CU-MO-10	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-10	
CU-MO-11	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-11	
CU-MO-12	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-12	
CU-MO-13	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-13	
CU-MO-14	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-14	
CU-MO-15	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-15	
CU-MO-16	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-16	
CU-MO-17	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-17	
CU-MO-18	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-18	
CU-MO-19	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-19	
CU-MO-20	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-20	
CU-MO-21	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-21	
CU-MO-22	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-22	
CU-MO-23	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-23	
CU-MO-24	95	48.0	15.0	-	-	208V, 3ph	18.0	30	TRANE MODEL 4TTA7048	FE-MO-24	
CU-MO-25	95	48.0	15.0	-	-	2					

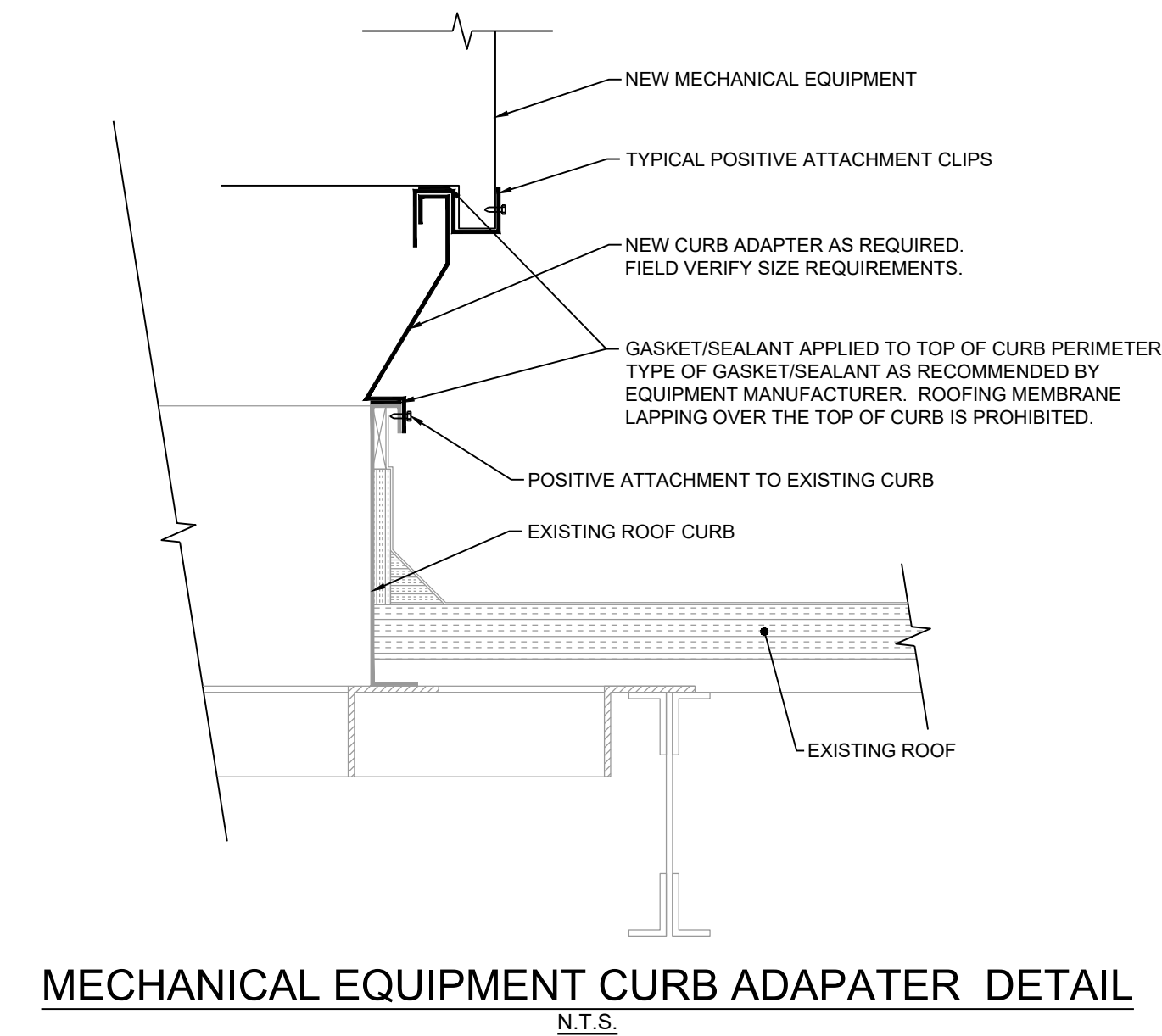


TYPICAL ROOFTOP UNIT DETAIL
N.T.S.

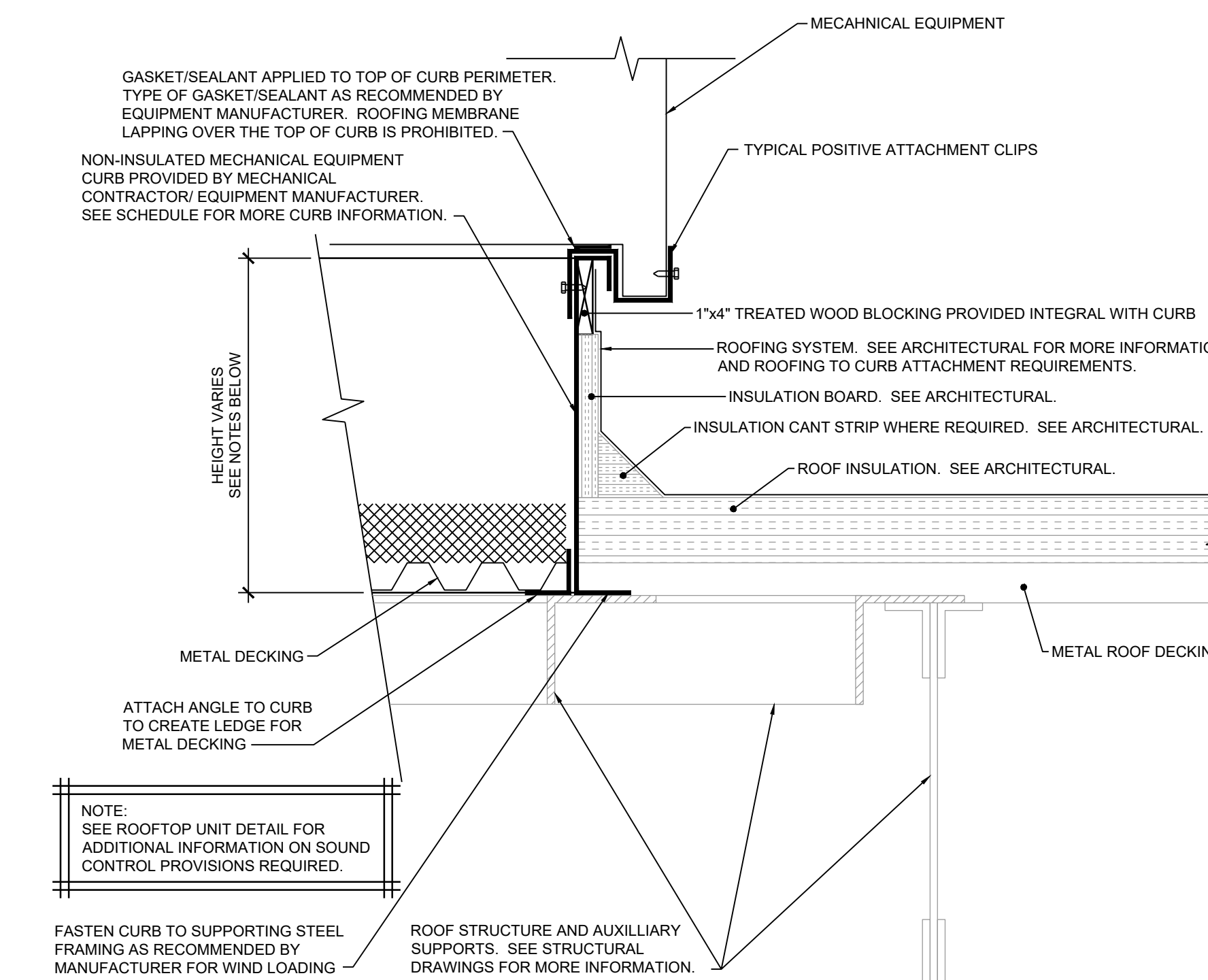
SOUND ATTENUATION NOTES:

- BELOW DECK SOUND ATTENUATION SHALL BE COMPRISED OF 2" THICK, 3 P.C.F. DENSITY DUCTBOARD MOUNTED TO THE UNDERSIDE OF ROOF DECK BELOW ALL NEW SYSTEMS. EXTEND MINIMUM 12" BEYOND ROOF CURB EXTENT AND TIGHT TO DUCTWORK OPENINGS AT ROOF PENETRATIONS. CUT DUCTBOARD TO FULLY COVER UNDERSIDE OF ROOF DECK AND AROUND STRUCTURE, ETC.
- SOUND ATTENTION IN CURB SHALL BE COMPRISED OF TWO (2) LAYERS OF 1/2" THICK MOISTURE RESISTANT GYPSUM BOARD ABOVE ROOF DECK WITHIN CURB AREA PRIOR TO SETTING UNIT ON CURB. OVERLAP GYPSUM BOARD SO SEAMS DO NOT ALIGN. PROVIDE AN ADDITIONAL TWO (2) LAYERS OF 2" THICK ROOF DECK RIGID INSULATION AT TOP GYPSUM BOARD. PROVIDE EXPANDING FOAM SEALANT BETWEEN CLOSE FITTING PENETRATIONS OF VERTICAL DUCTWORK AND DECK AND SOUND ATTENTION PROVISION MATERIALS.

ALTERNATIVE SOUND TREATMENT: COMPOSITE SYSTEM EQUAL TO HUSHCORE MODEL DS-52 MAY BE UTILIZED IN LIEU OF GYPSUM BOARD.



MECHANICAL EQUIPMENT CURB ADAPTER DETAIL
N.T.S.



MECHANICAL EQUIPMENT CURB ATTACHED TO STRUCTURE DETAIL
N.T.S.

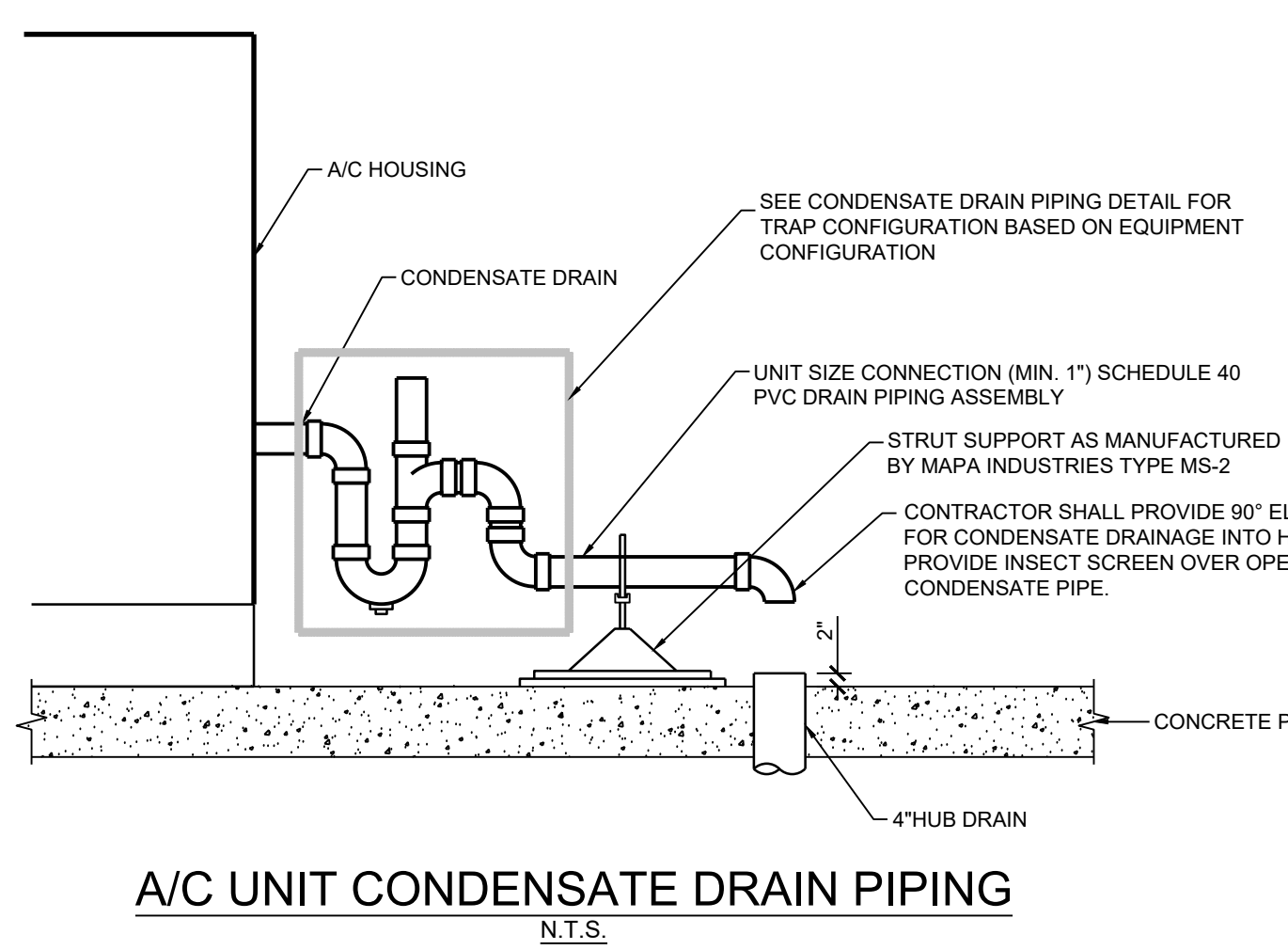
MECHANICAL EQUIPMENT CURB REQUIREMENTS SCHEDULE

TYPE	MINIMUM HEIGHT	MAX. ROOF SLOPE ALONG EQUIPMENT WIDTH OR LENGTH	EQUIPMENT WEIGHT (LBS)	SLOPED OR FLAT CURB REQUIRED	MINIMUM GAUGE G-90 GALV. REQ'D
TYPE #1	0	LESS THAN 1"	LESS THAN 500	FLAT	18
TYPE #2	0	LESS THAN 1"	500-4,999	SLOPED	18
TYPE #3	0	1" OR GREATER	LESS THAN 500	SLOPED	18
TYPE #4	0	1" OR GREATER	500-4,999	SLOPED	18
TYPE #5	0	1" OR GREATER	5,000-14,999	SLOPED	16
TYPE #6	0	1" OR GREATER	15,000-29,999	SLOPED	14

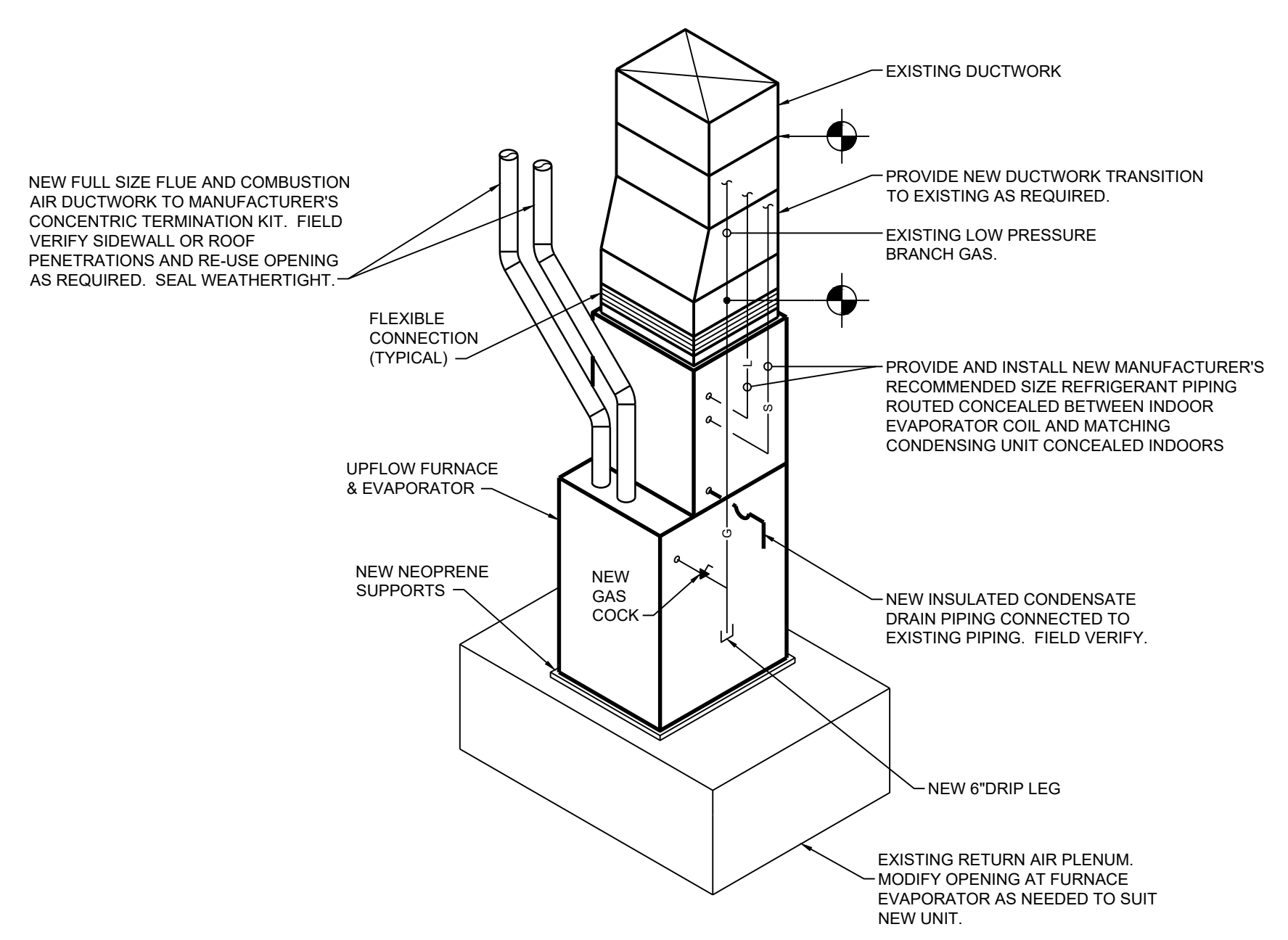
① HEIGHT (12" MINIMUM) SHALL BE COORDINATED WITH CURB BEARING POINT. INSULATION THICKNESS AND MINIMUM HEIGHT ABOVE FINISHED ROOF SURFACE REQUIRED BY ROOFING SYSTEM. EXAMPLE #1 - A TYPE #2 CURB FOR EQUIPMENT LOCATED WHERE ROOFING SYSTEM CONSISTS OF APPLIED INSULATION THAT IS 6" THICK. CURB IS REQUIRED TO BEAR ON STRUCTURE (NOT METAL DECKING 1-1/2" THICK) AND A MINIMUM HEIGHT ABOVE FINISHED ROOF OF 8" WOULD REQUIRE THE MINIMUM EQUIPMENT CURB HEIGHT TO BE 15-1/2" TALL ON THE SHORT SIDE OF THE CURB. EXAMPLE #2 - A TYPE #1 CURB FOR EQUIPMENT LOCATED ON A STRUCTURE SLOPING 1/8" PER FOOT CONSISTING OF BAR JOISTS, 1-1/2" METAL DECK AND 4" OF ROOF INSULATION. A MINIMUM HEIGHT ABOVE FINISHED ROOF OF 8" AND WHERE THE CURB BEARS ON THE METAL DECKING WOULD REQUIRE THE MINIMUM CURB HEIGHT TO BE 12".

② WHERE FLAT CURBS ARE PROVIDED, THE CONTRACTOR SHALL SHIM BOTTOM OF CURB WITH TREATED WOOD BLOCKING TO HOLD TOP OF CURB LEVEL.

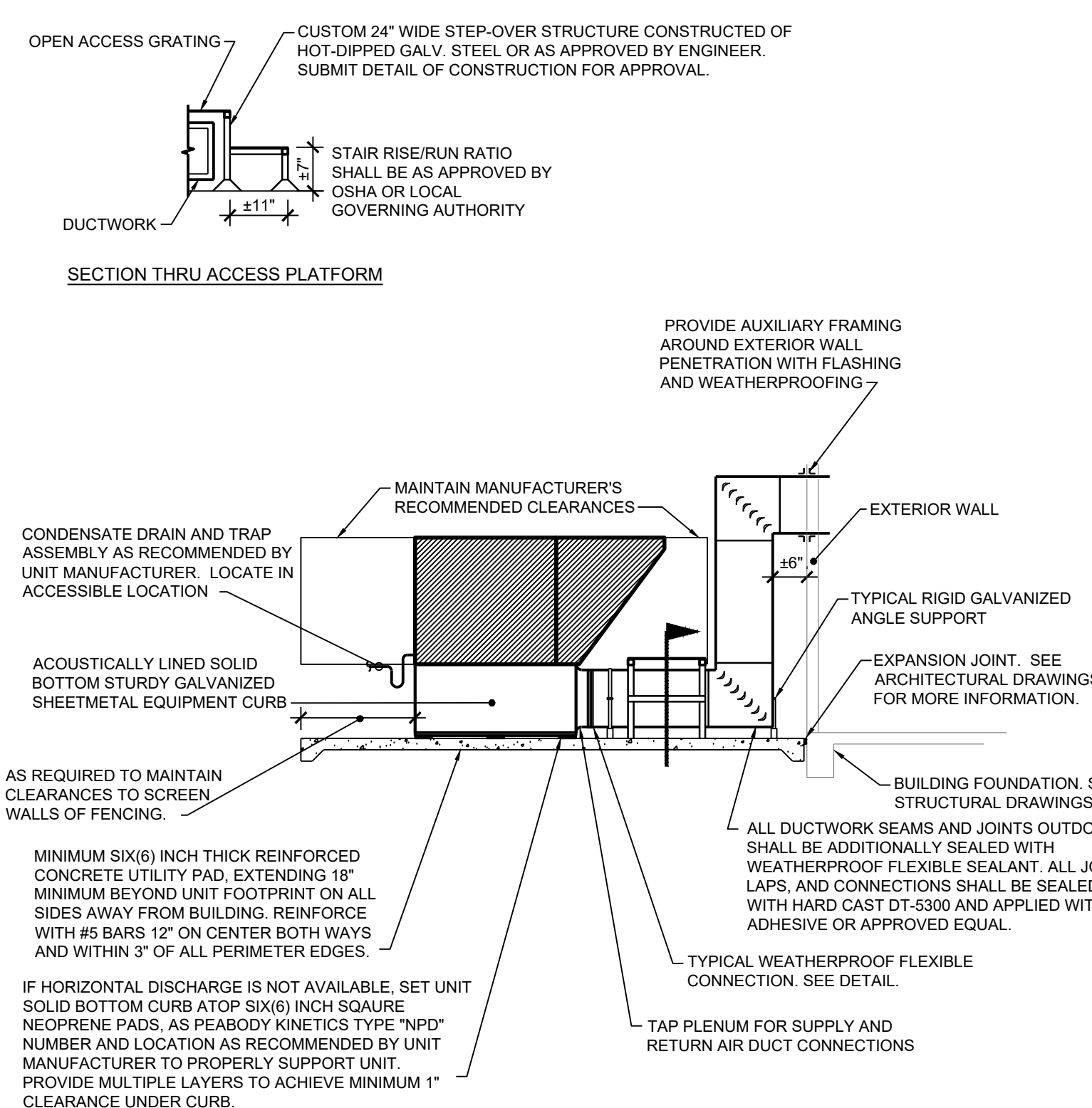
③ WHERE SLOPED CURBS ARE REQUIRED, CURB SHALL BE CONSTRUCTED TO HOLD TOP OF CURB LEVEL. CONTRACTOR SHALL VERIFY ROOF SLOPE AND EQUIPMENT ORIENTATION TO ENSURE PROPER CURB FABRICATION.



A/C UNIT CONDENSATE DRAIN PIPING
N.T.S.

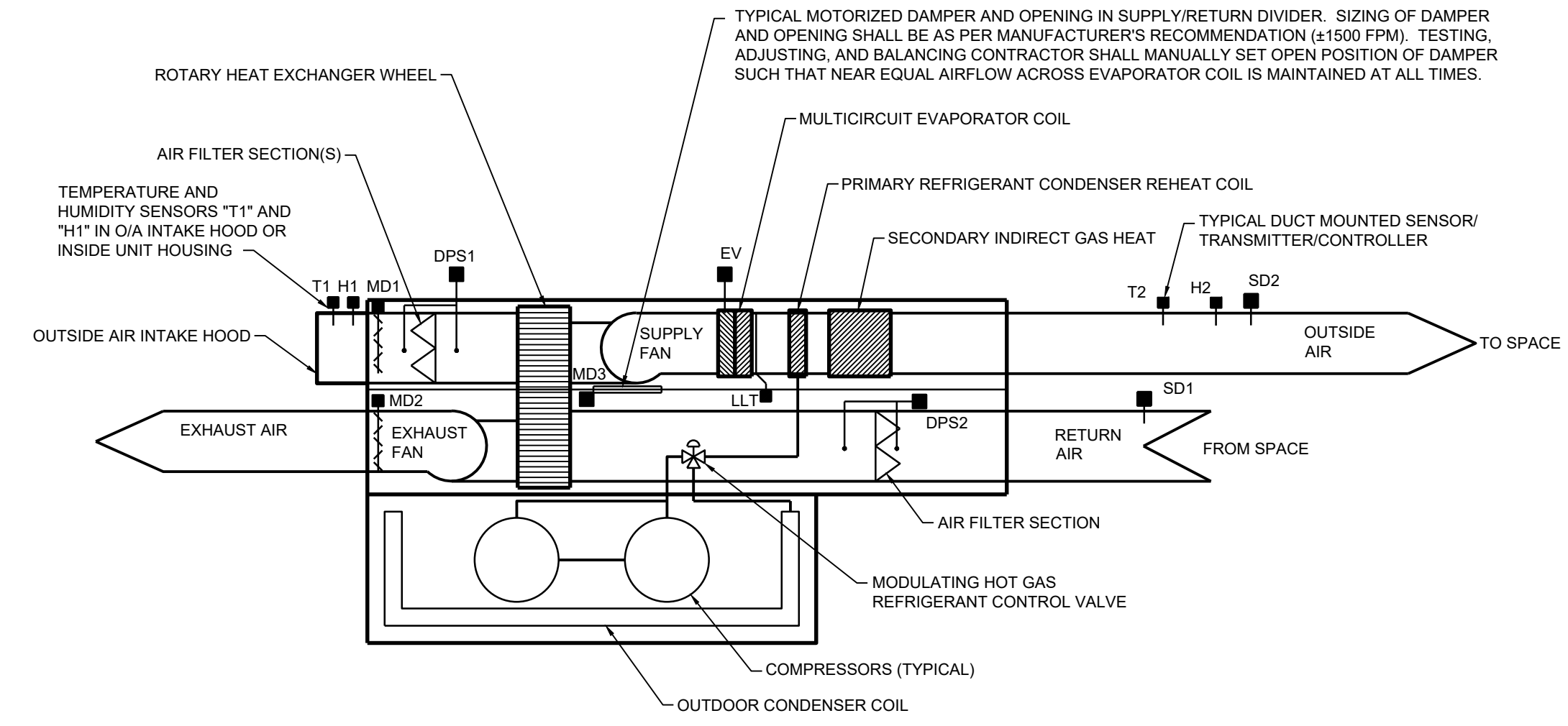


FURNACE/EVAPORATOR ON RETURN AIR BUILT-UP PLATFORM DETAIL
N.T.S.



PAD MOUNTED HVAC PACKAGED UNIT DETAIL
N.T.S.

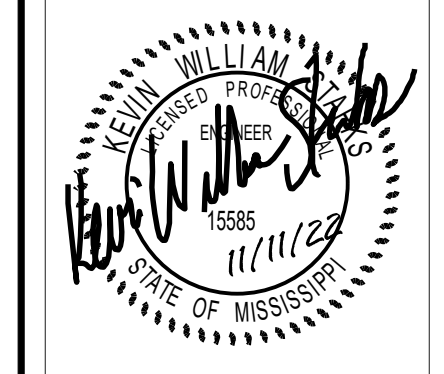
NOTE: DUCTWORK AND AUXILIARY SUPPORTS SHALL BE NEATLY PRIMED AND PAINTED BY CONTRACTOR, WITH AN ALKYL-BASED RUST INHIBITIVE APPROVED PAINT SYSTEM

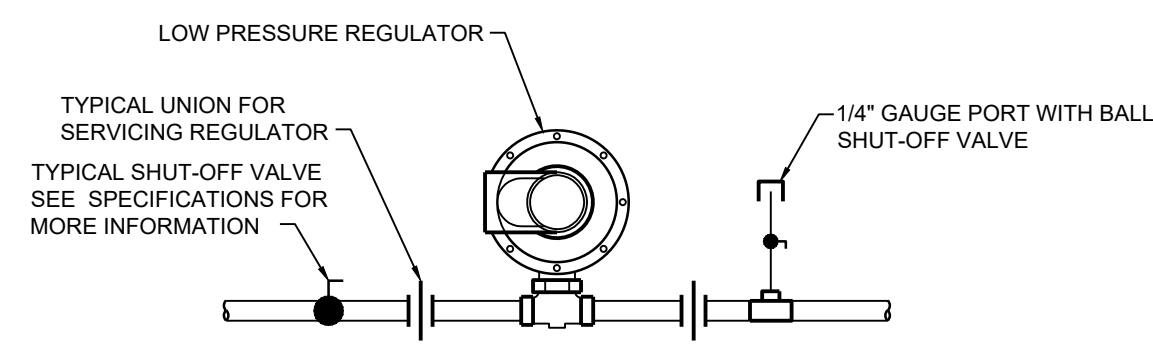
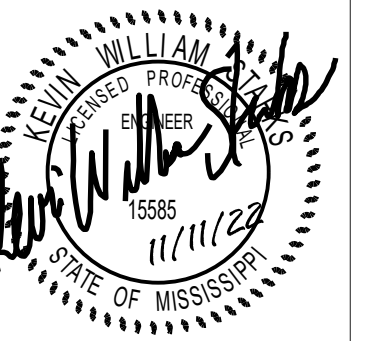


CONTROL SEQUENCE/ SCHEMATIC FOR HRU's
N.T.S.

LEGEND - SENSOR / DEVICE

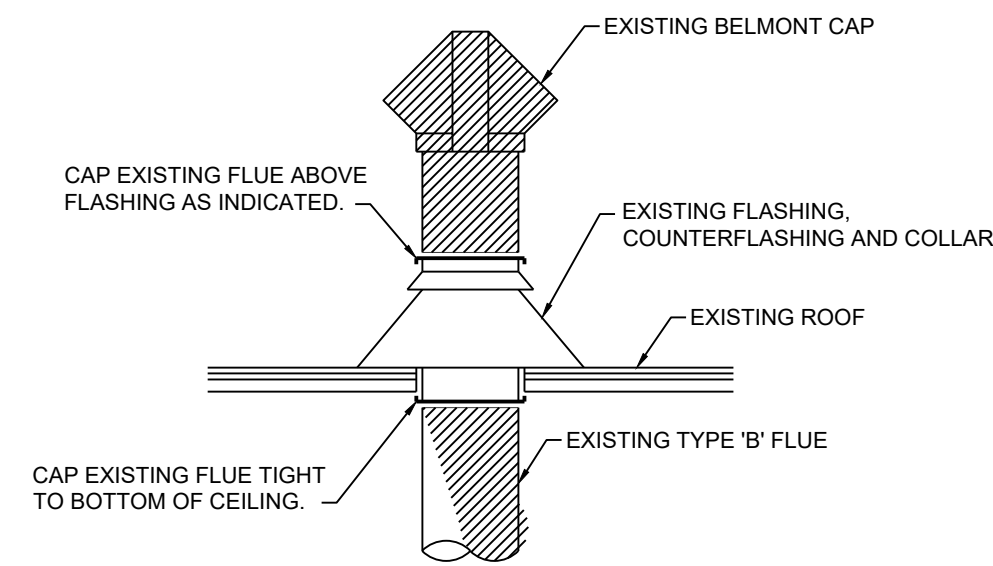
MARK	DESCRIPTION
MD1,2,3	MOTORIZED DAMPER - MODULATING - NORMALLY CLOSED - SPRING RETURNS
DPS1,2	DIFFERENTIAL PRESSURE SENSOR/TRANSMITTER
T1,2	DUCT TEMPERATURE SENSOR/CONTROLLER
EC	DIRECT EXPANSION COIL - 6 ROW WITH MULTICIRCUIT/STAGED CAPACITY (SPLIT BY FACE)
LLT	EVAPORATOR FACE MOUNTED LOW LIMIT TEMPERATURE SENSOR/TRANSMITTER
EV	EXPANSION VALVE (MODULATING CONTROL)
SD1,2	DUCT MOUNTED IONIZATION SMOKE DETECTOR





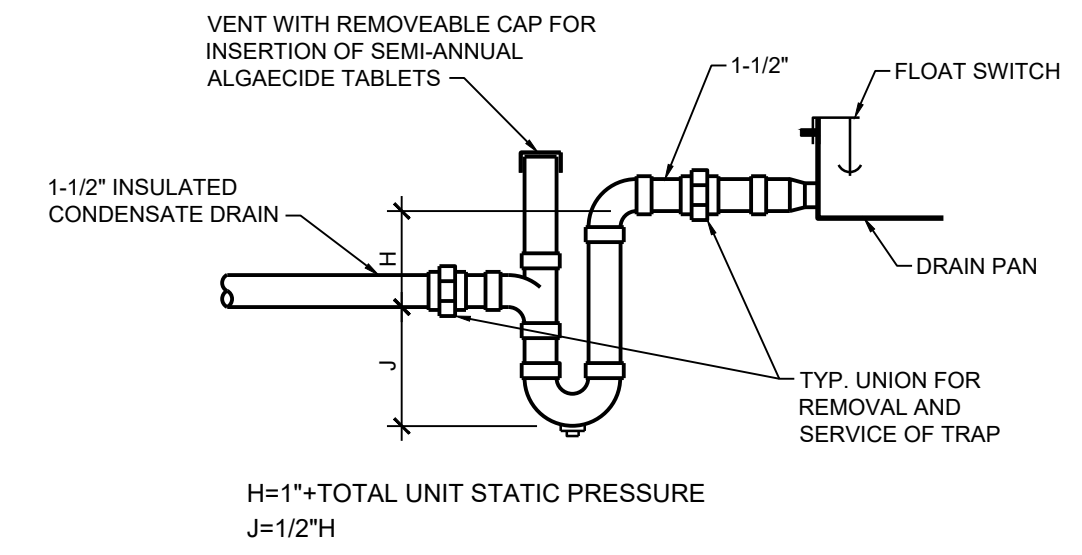
GAS REGULATOR DETAIL
N.T.S.

- NOTES:
1. PROVIDE VENT TO OUTDOORS FOR ALL REGULATORS LOCATED INSIDE BUILDING.
2. SEE PLANS FOR PIPE SIZES.
3. SEE REGULATOR SCHEDULE FOR INLET PRESSURE, OUTLET PRESSURE AND MBH (CFH) REQUIREMENTS.

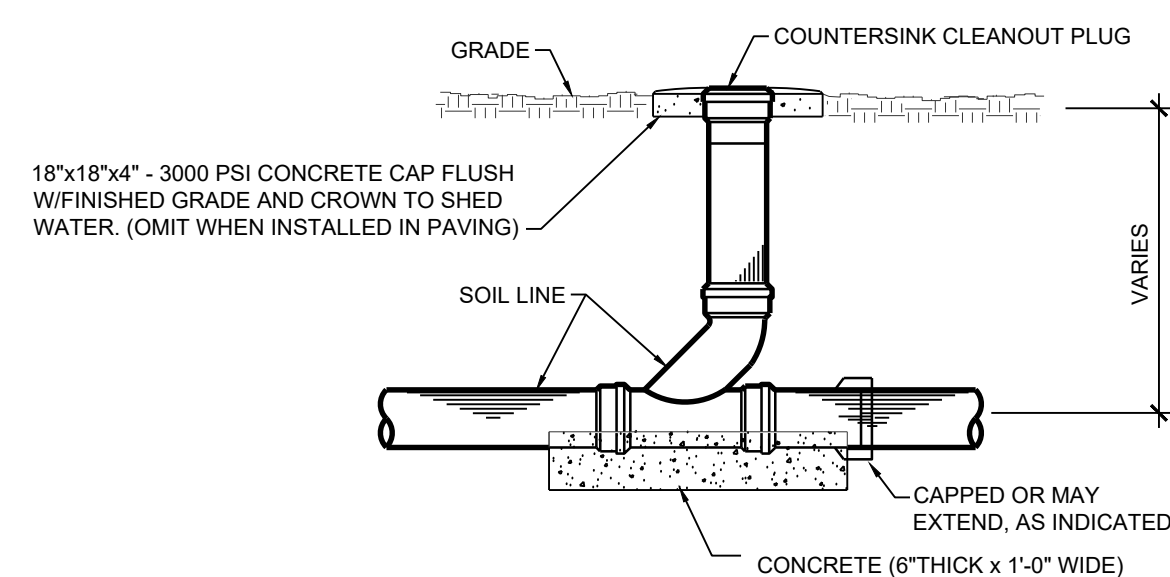


EXISTING FLUE THROUGH ROOF
N.T.S.

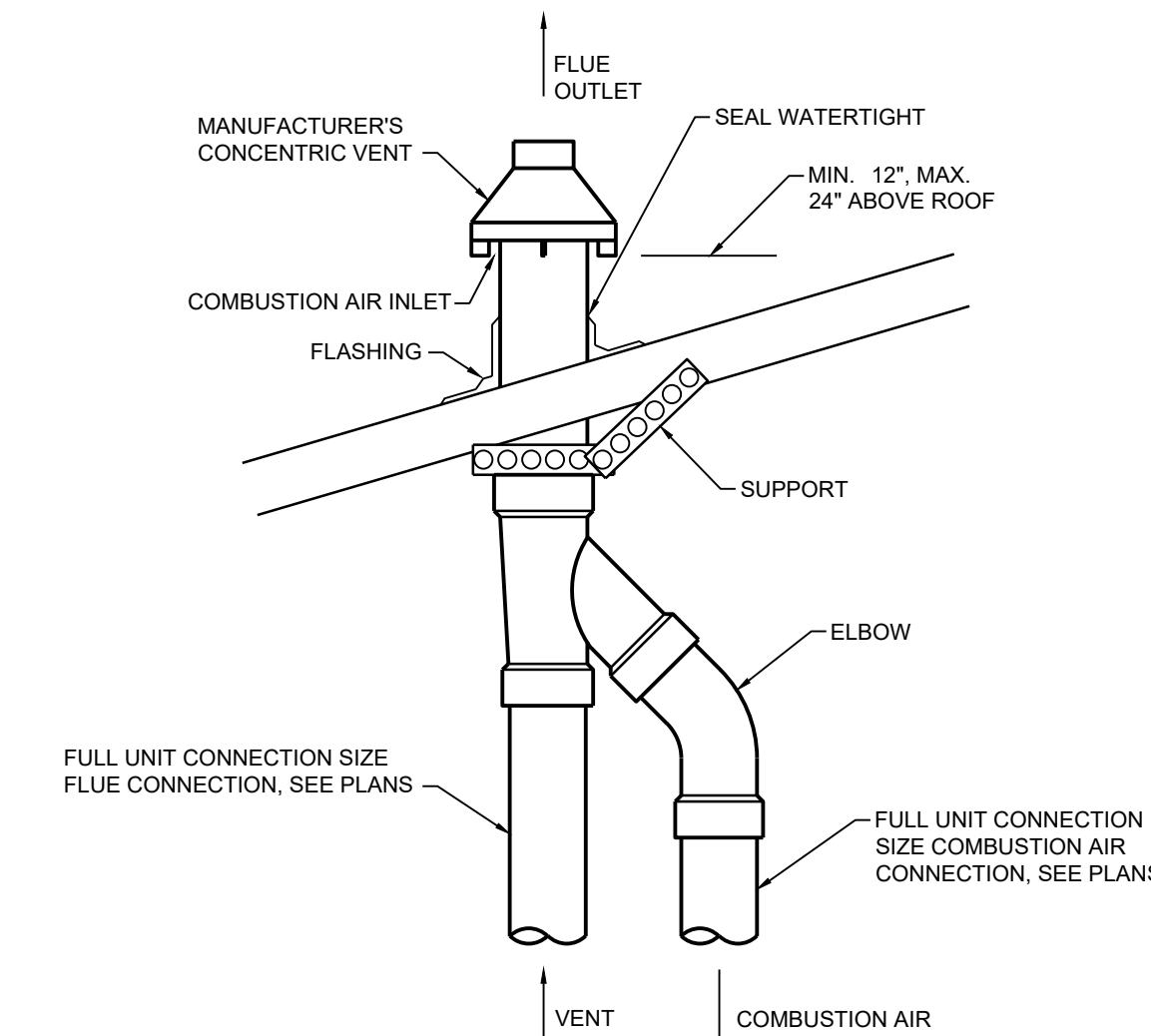
- NOTE:
THIS DETAIL IS APPLICABLE TO ALL FLUES, VENTS, ETC. WHERE INDICATED ON REMOVAL PLANS AND THAT EXIST IN FACILITY WHERE GAS-FIRED EQUIPMENT IS REMOVED IN THIS SCOPE OF WORK, ETC.



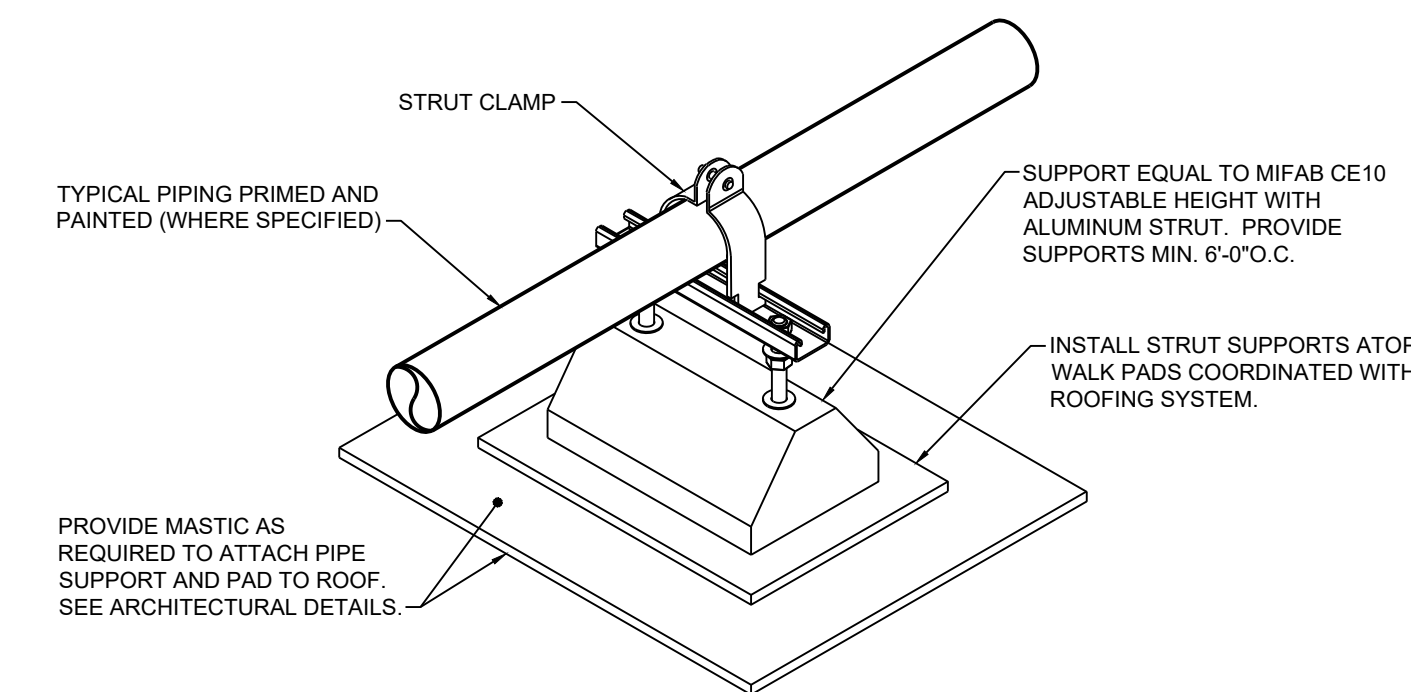
DRAW THRU CONDENSATE DRAIN PIPING
N.T.S.



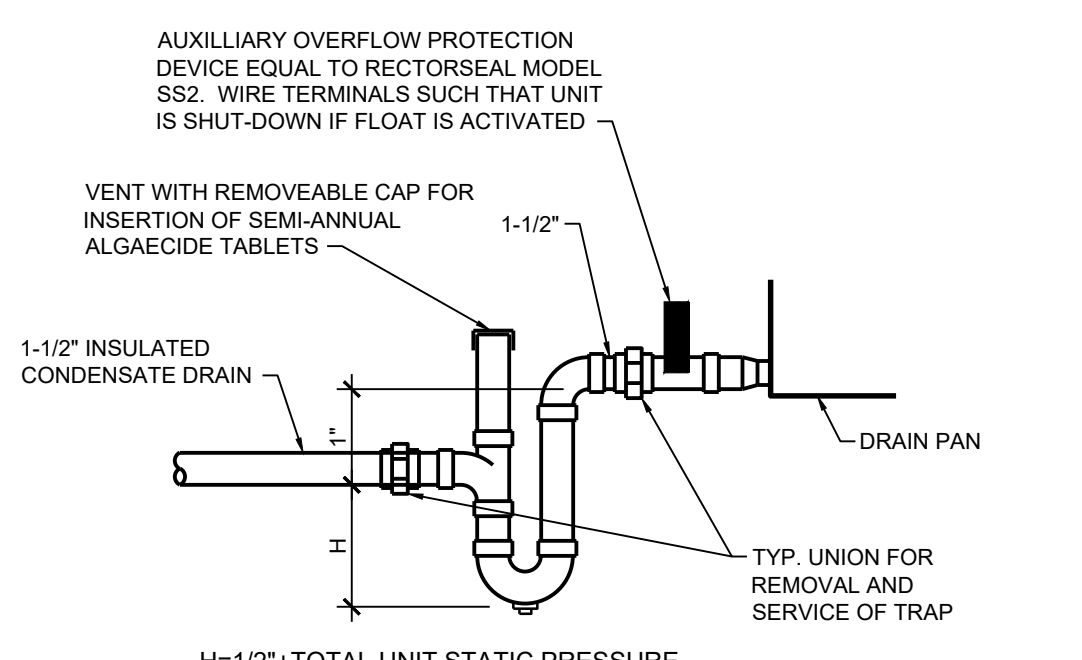
ONE-WAY FLUSH GRADE CLEANOUT DETAIL
N.T.S.



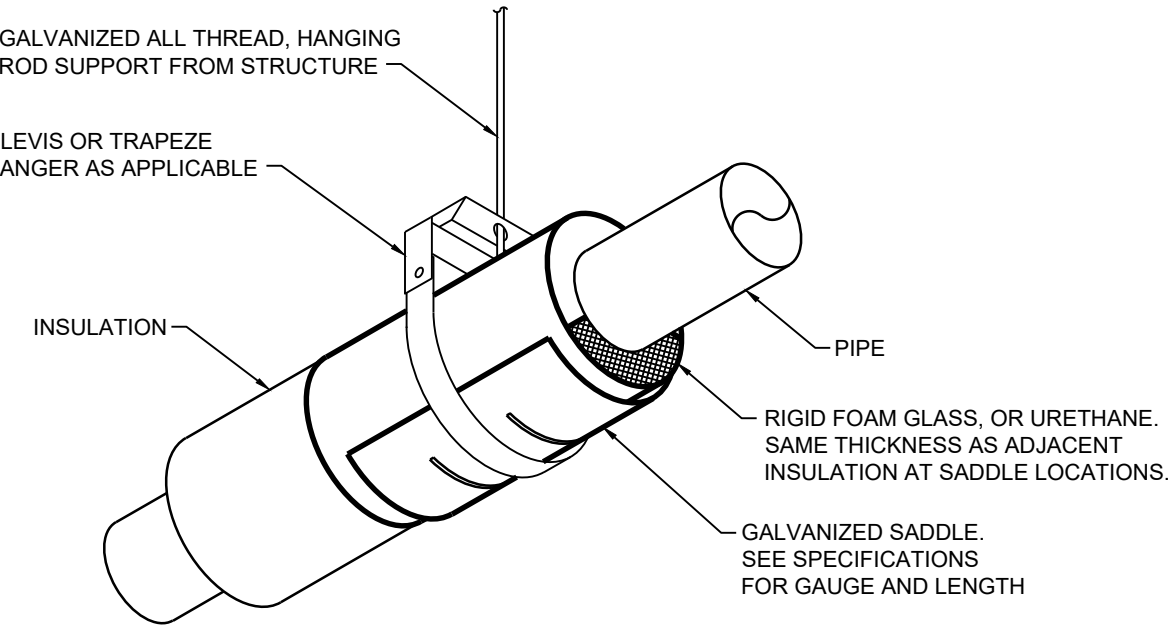
CONCENTRIC VENT ROOF INSTALLATION DETAIL
N.T.S.



ROOF PIPING SUPPORT DETAIL
N.T.S.

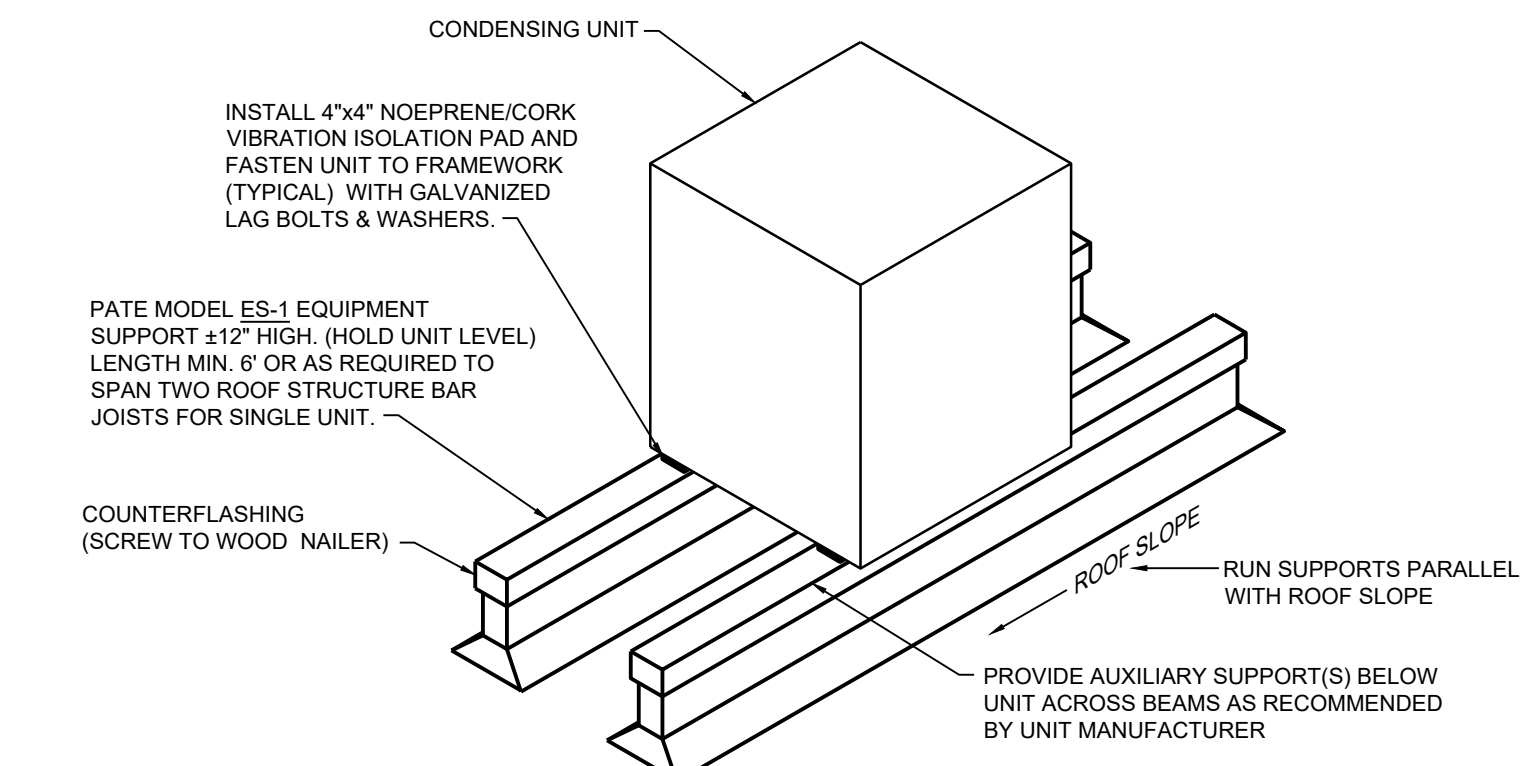


BLOW THRU CONDENSATE DRAIN PIPING
N.T.S.



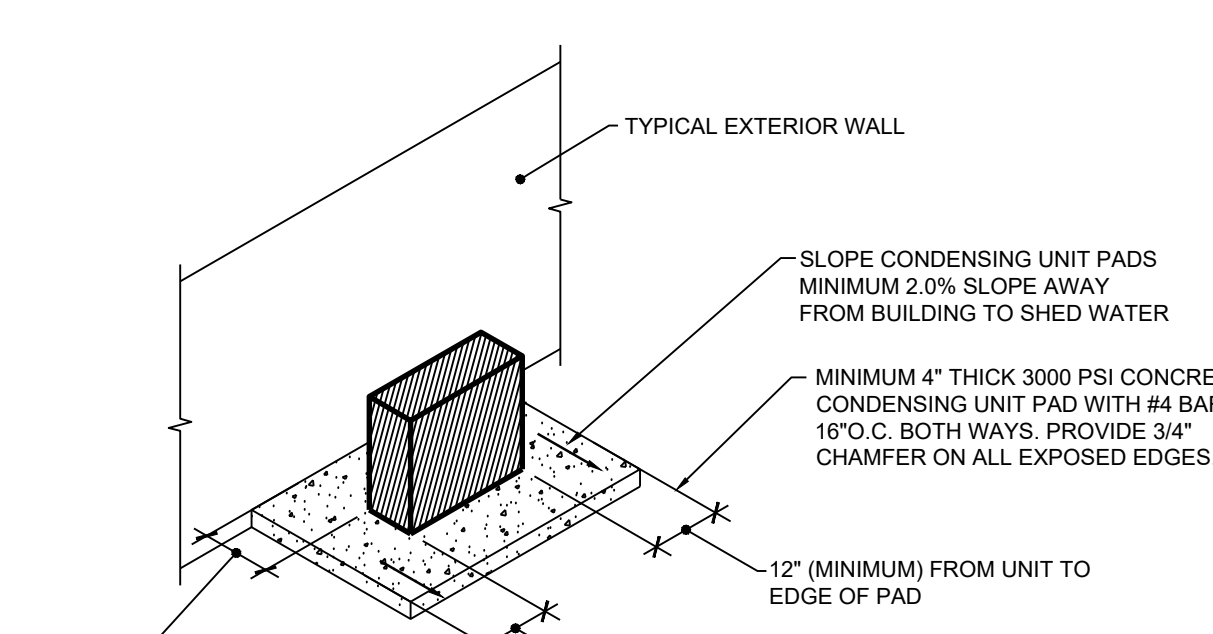
HORIZONTAL PIPE INSULATION AND HANGING DETAIL
N.T.S.

NOTE: UNINSULATED GAS PIPING SIMILAR

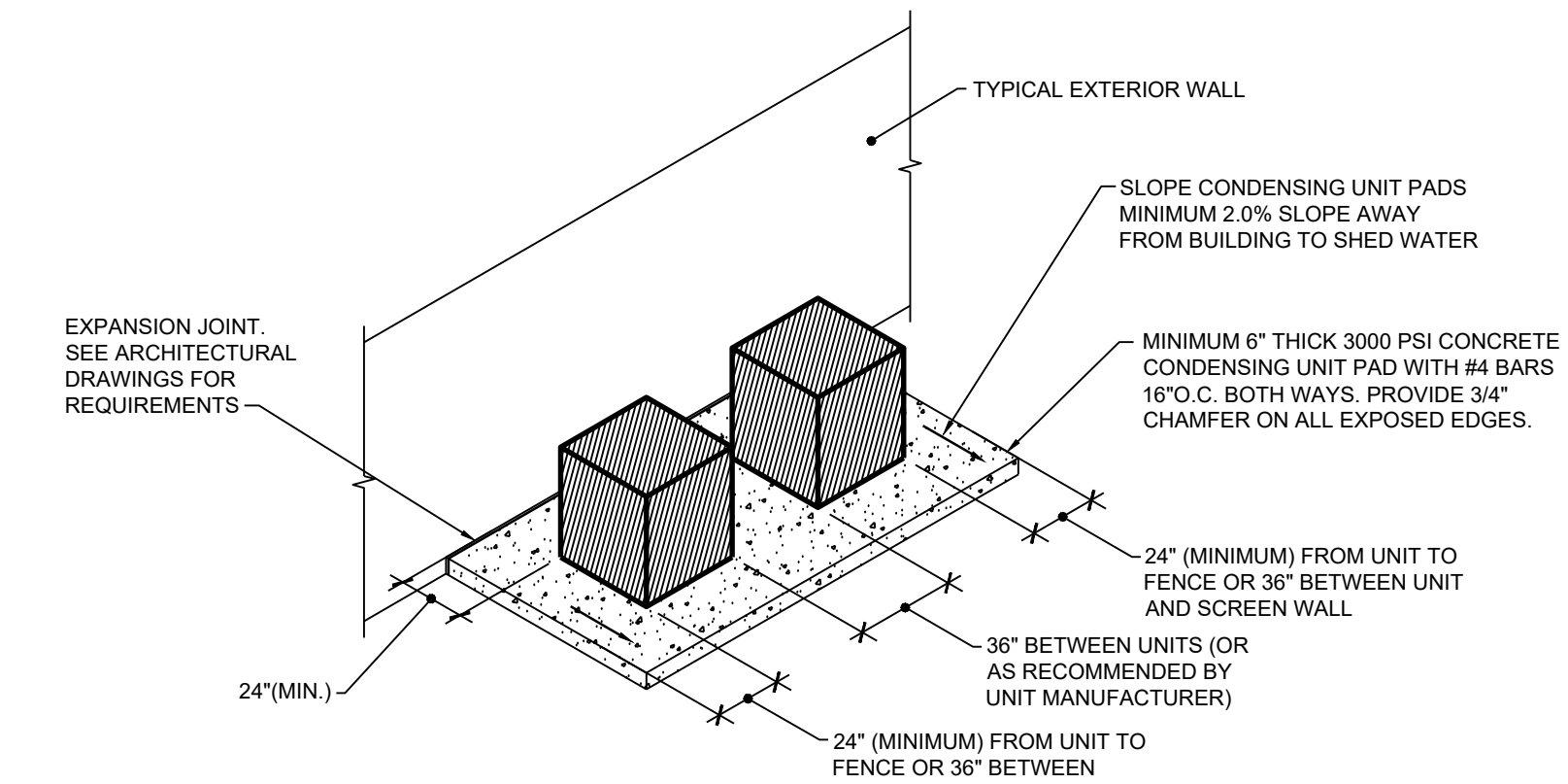


ROOF MOUNTED CONDENSING UNIT SUPPORT FRAME DETAIL
N.T.S.

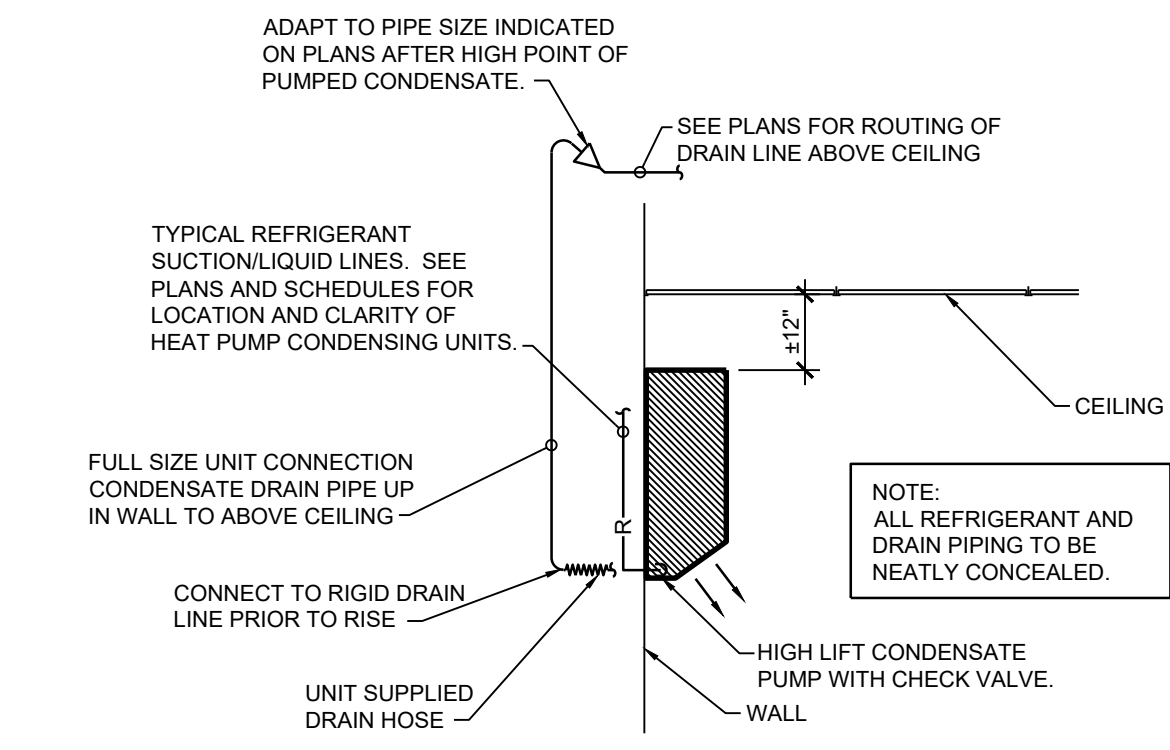
- NOTES:
1. SEAL AND WEATHERPROOF ROOFING AROUND LEG SUPPORTS AS REQUIRED.
2. PROVIDE TWO COATS OF RED OXIDE PRIMER TO ENTIRE SUPPORT FRAME PRIOR TO INSTALLATION AND ONE FINAL FINISH COAT OF APPROVED AKLYD ENAMEL PAINT, COLOR BY ARCHITECT.
3. ADJUST SIZE OF FRAMEWORK TO EQUIPMENT SUPPLIED. VERIFY AS REQUIRED.
4. PROVIDE COMMON ROOF PENETRATION (SEE ARCHITECTURAL) FOR ALL PIPING AND CONDUIT THRU ROOF. COORDINATE WITH OTHER CONTRACTOR(S) AS REQUIRED.



TYPICAL PAD MOUNTED CONDENSING UNIT DETAIL
N.T.S.

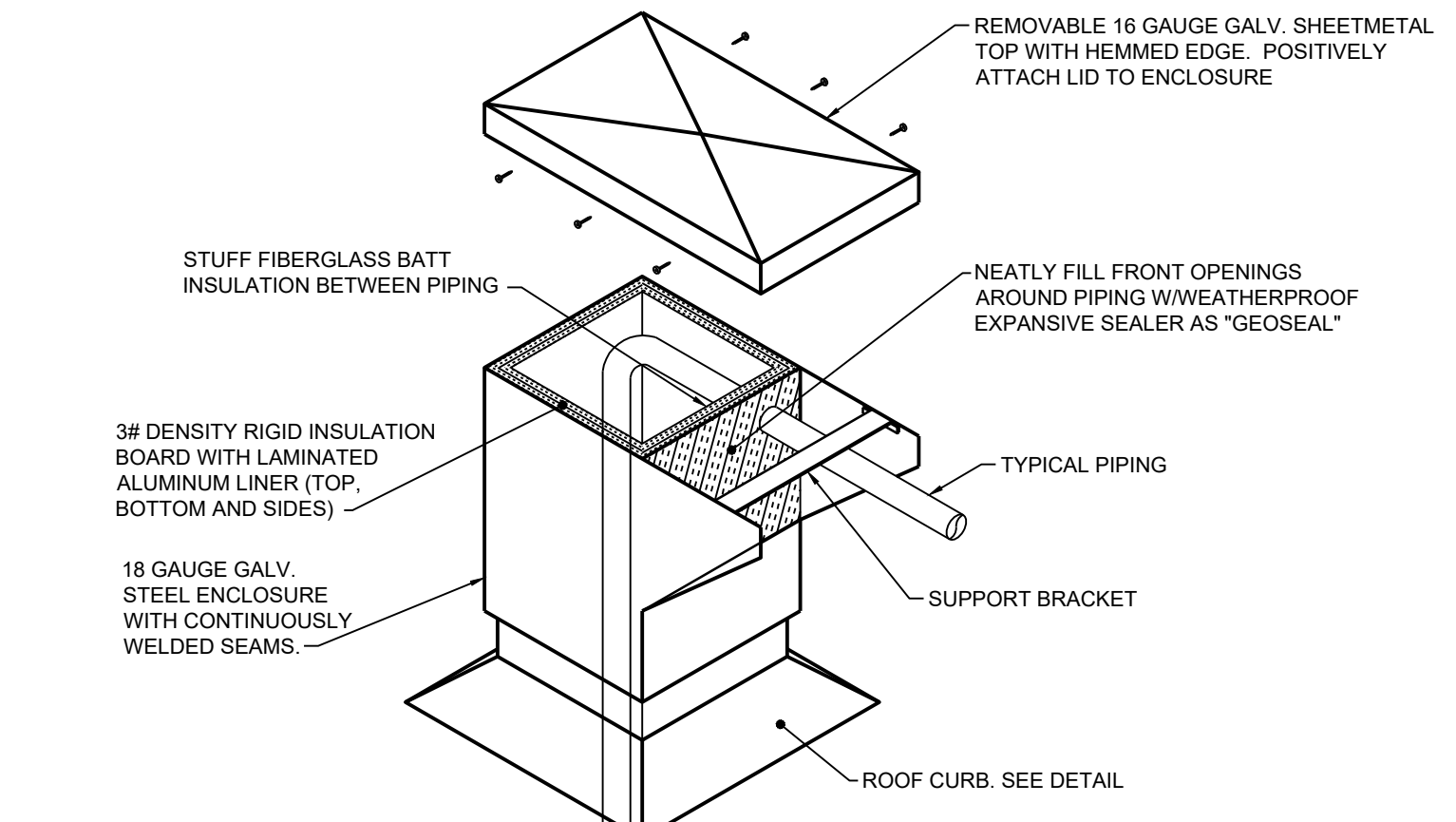


TYPICAL PAD MOUNTED CONDENSING UNIT DETAIL
N.T.S.



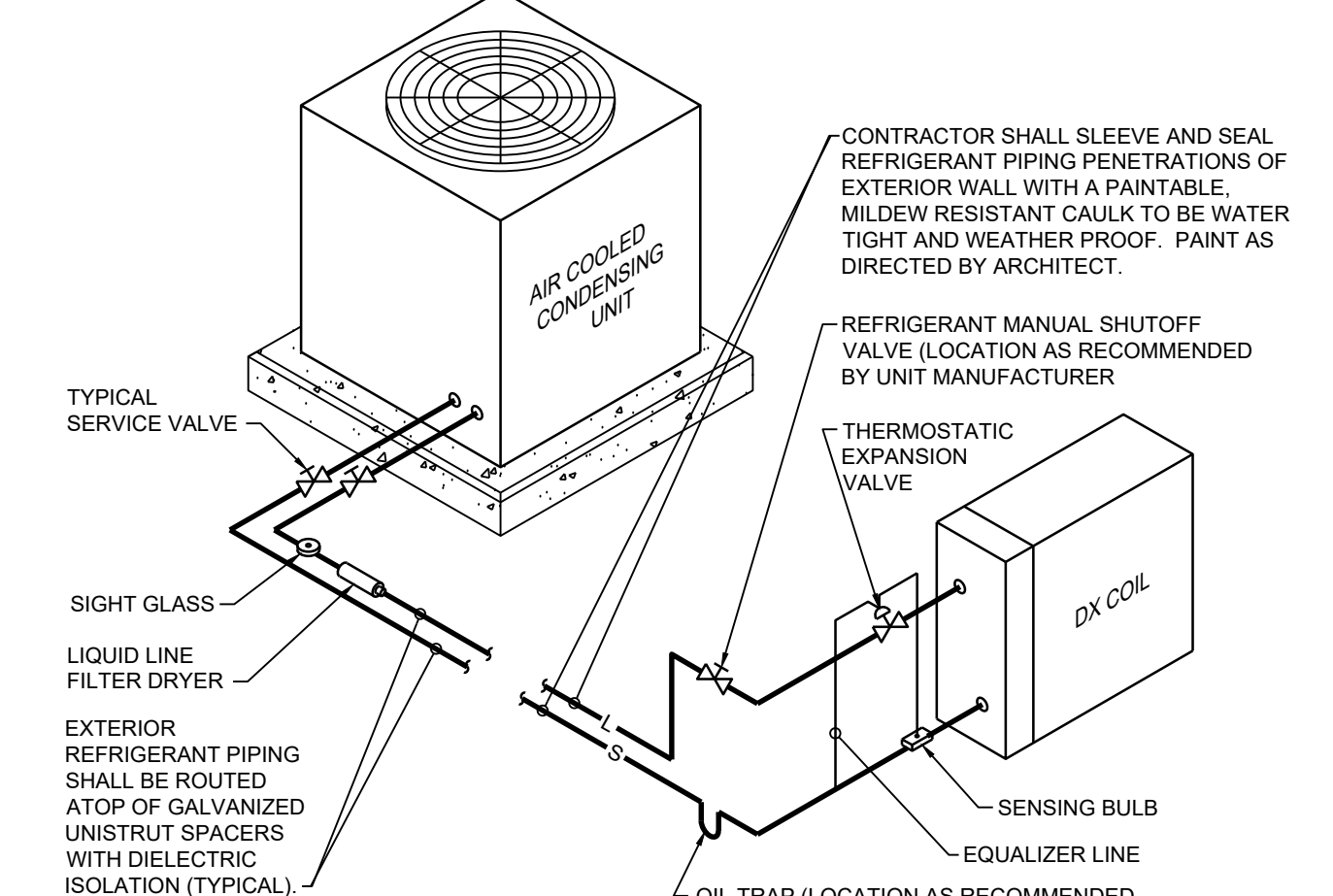
WALL MOUNTED HEAT PUMP FAN COIL DRAIN DETAIL
N.T.S.

NOTE: ALL REFRIGERANT AND DRAIN PIPING TO BE NEATLY CONCEALED.



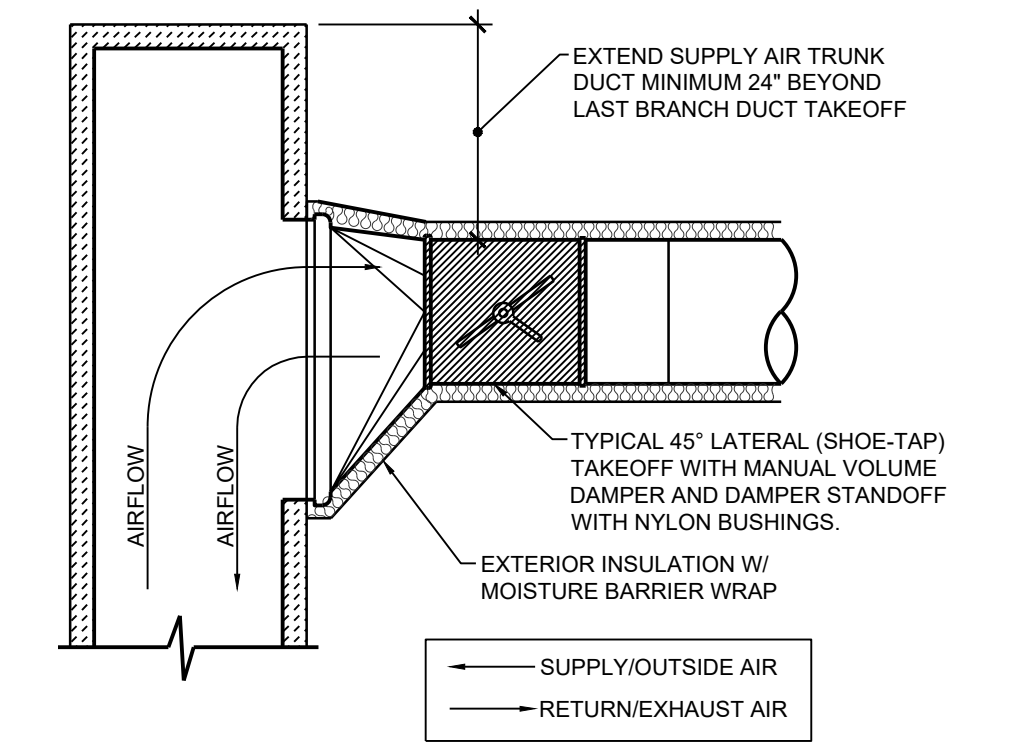
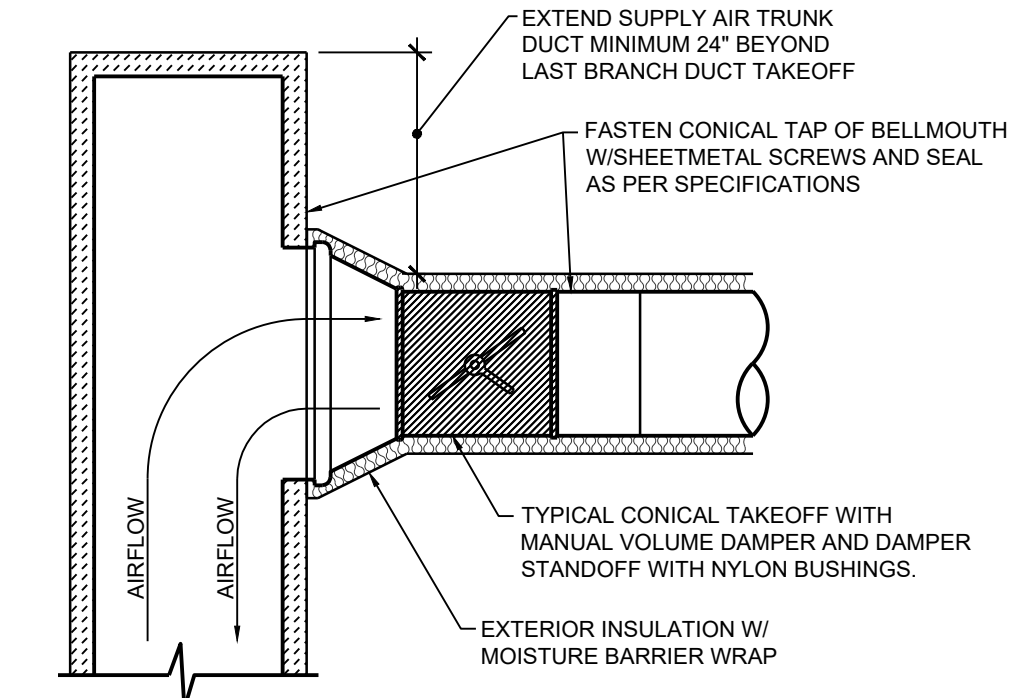
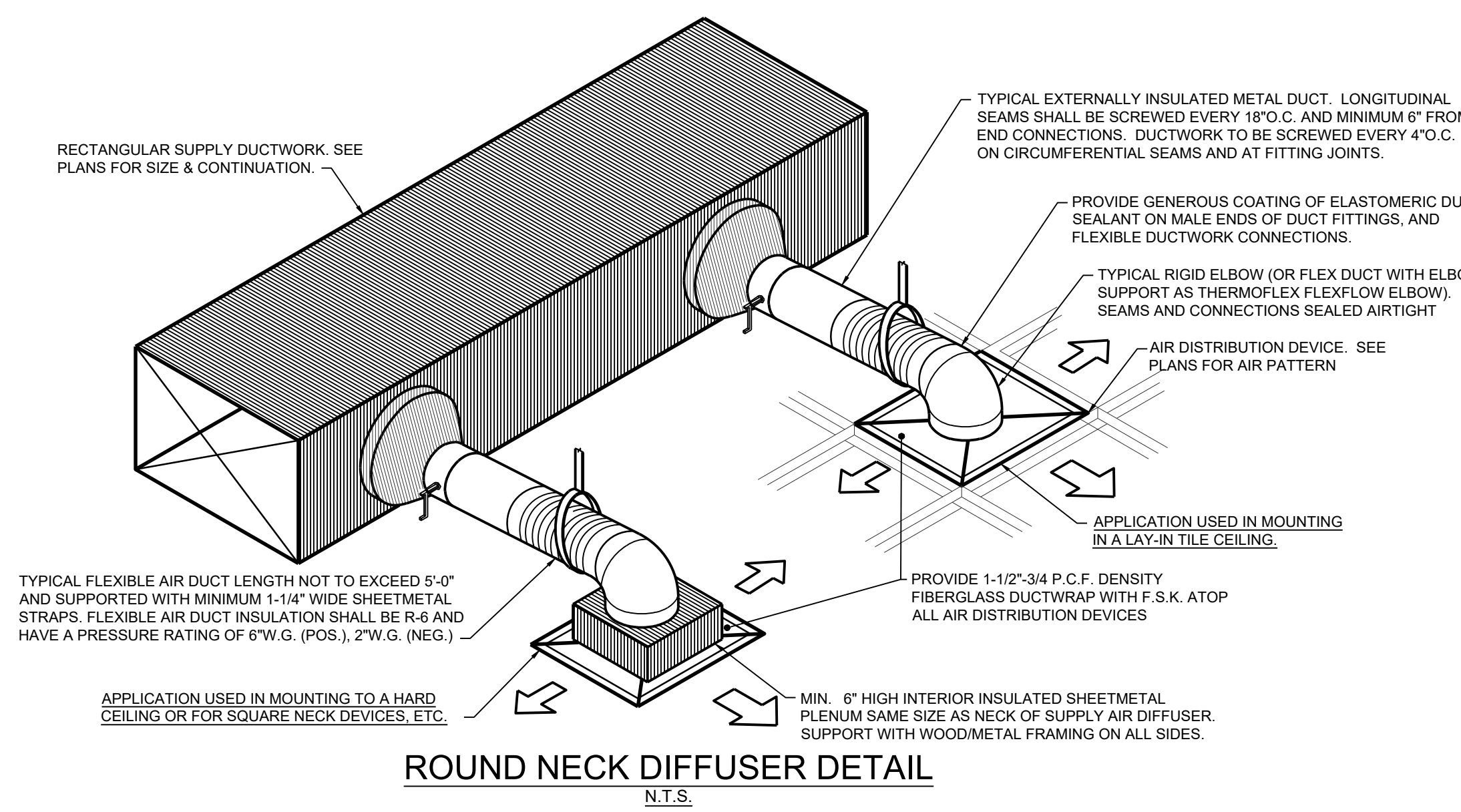
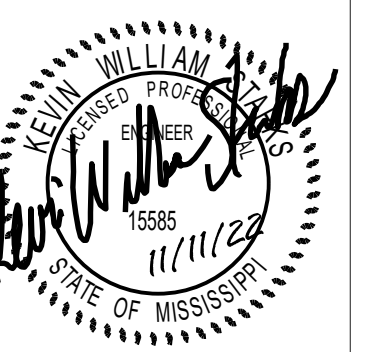
REFRIGERANT PIPING ROOF PENETRATION CAP
N.T.S.

- NOTES:
1. SINGLE-SIDED CAP INDICATED. DOUBLE-SIDED CAP SIMILAR.
2. ROOF PENETRATION CAP EQUAL TO KEES SERIES PF.



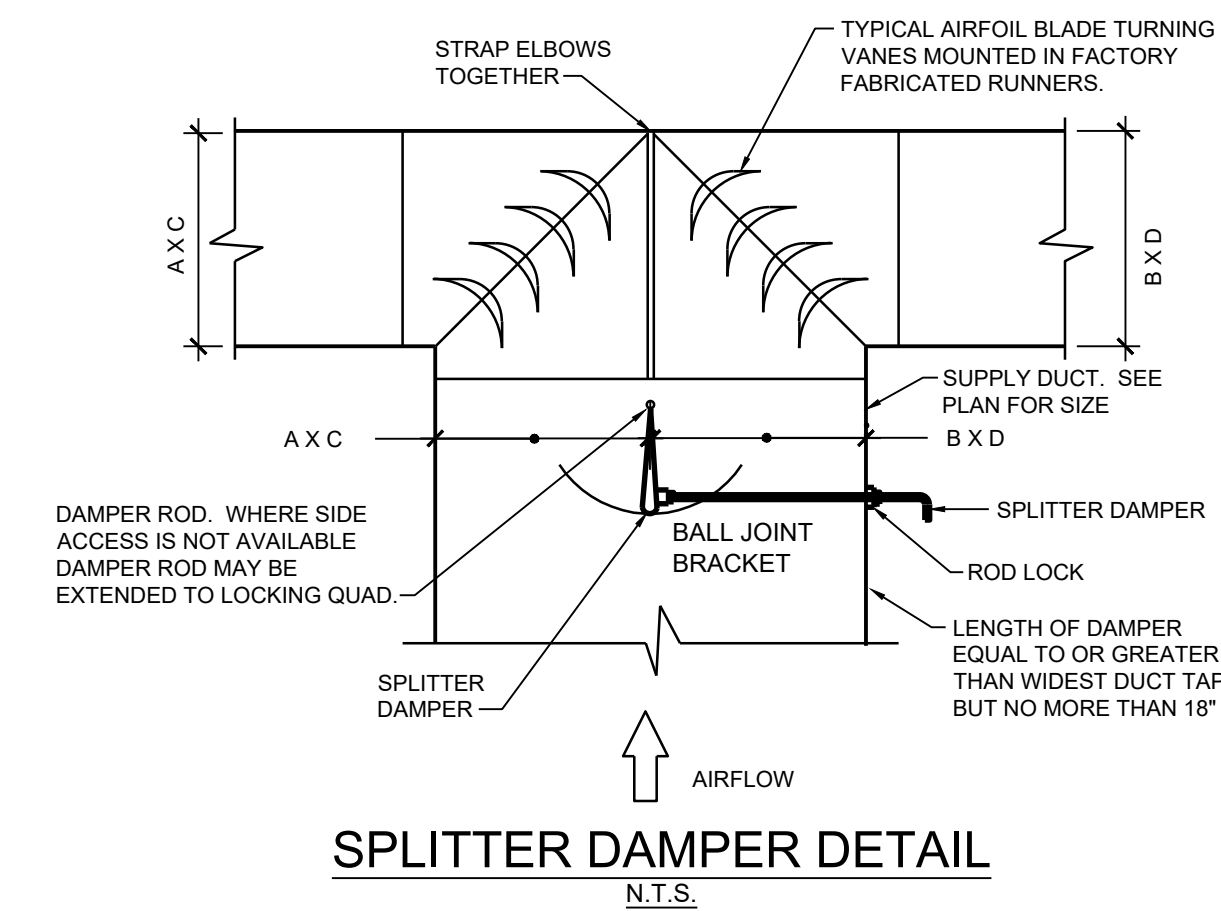
AIR COOLED CONDENSING UNIT / DX COIL PIPING DETAIL
N.T.S.

- NOTES:
1. REFRIGERANT PIPE SIZE AND CONFIGURATION SHALL BE AS RECOMMENDED BY MANUFACTURER TO PROVIDE SCHEDULED MINIMUM COOLING AND MAXIMUM EQUIPMENT LIFE.
2. LIQUID LINE FILTER DRYER MAY BE OMITTED ON DUCTLESS/DUCTED MINI-SPLIT SYSTEMS UNLESS REQUIRED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS.

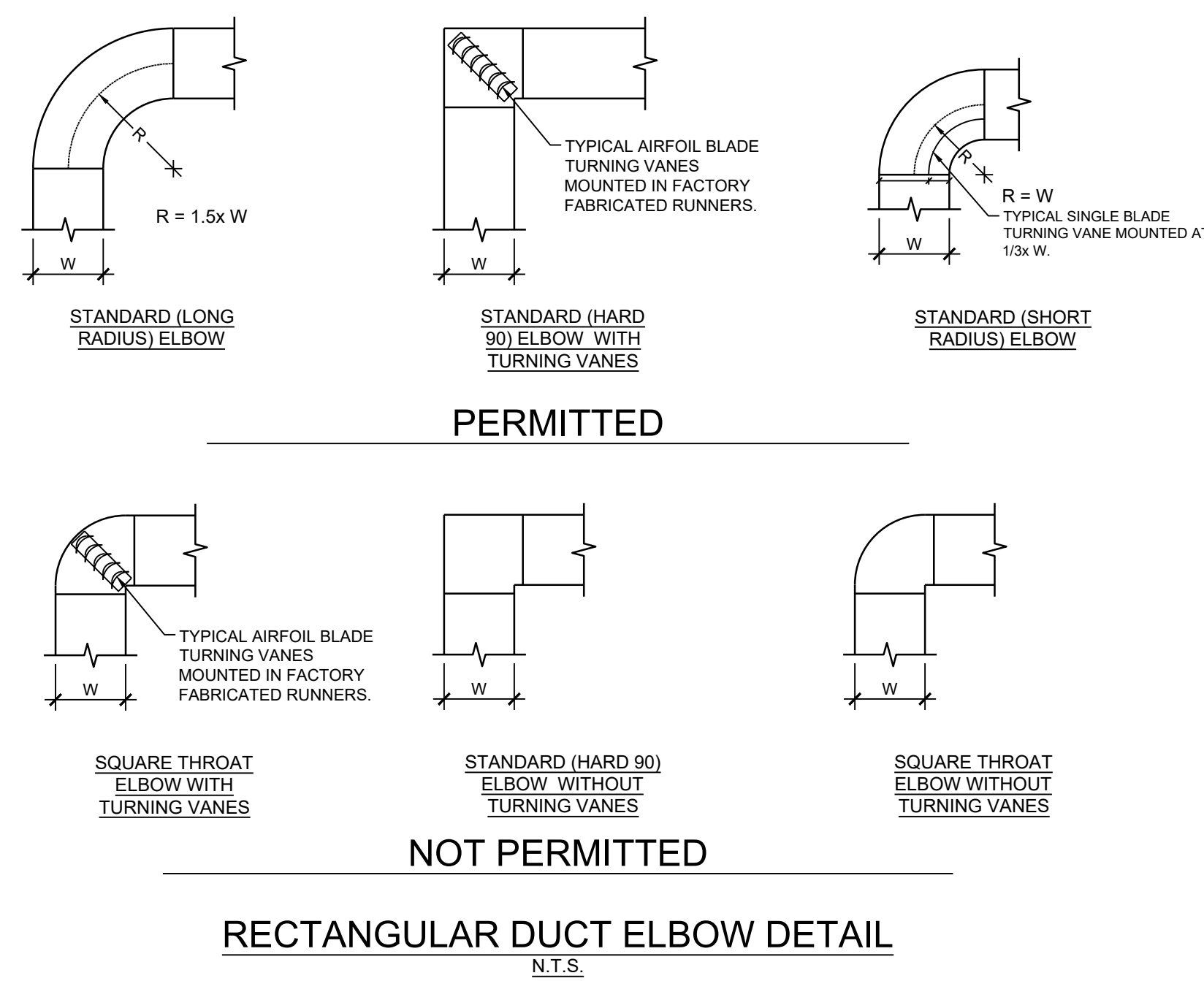


TYPICAL LOW PRESSURE RECTANGULAR TO ROUND DUCT TAKEOFF DETAIL
N.T.S.

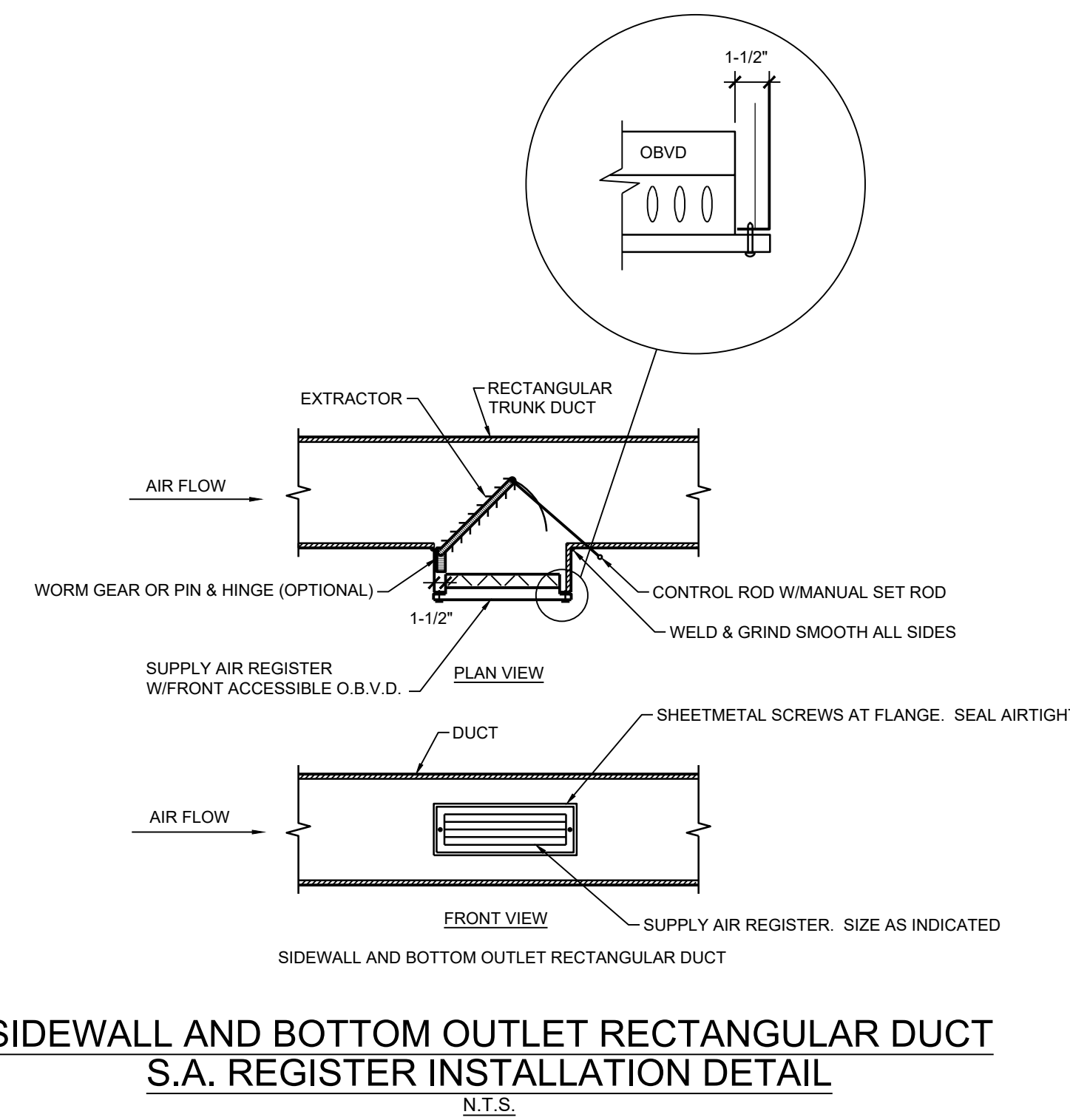
NOTE: TAKE-OFF FITTINGS SHALL BE FACTORY FABRICATED SPIN-IN TYPE. NO DOVETAIL FIELD JOINTS OR FITTINGS ARE ALLOWED.



SPLITTER DAMPER DETAIL
N.T.S.

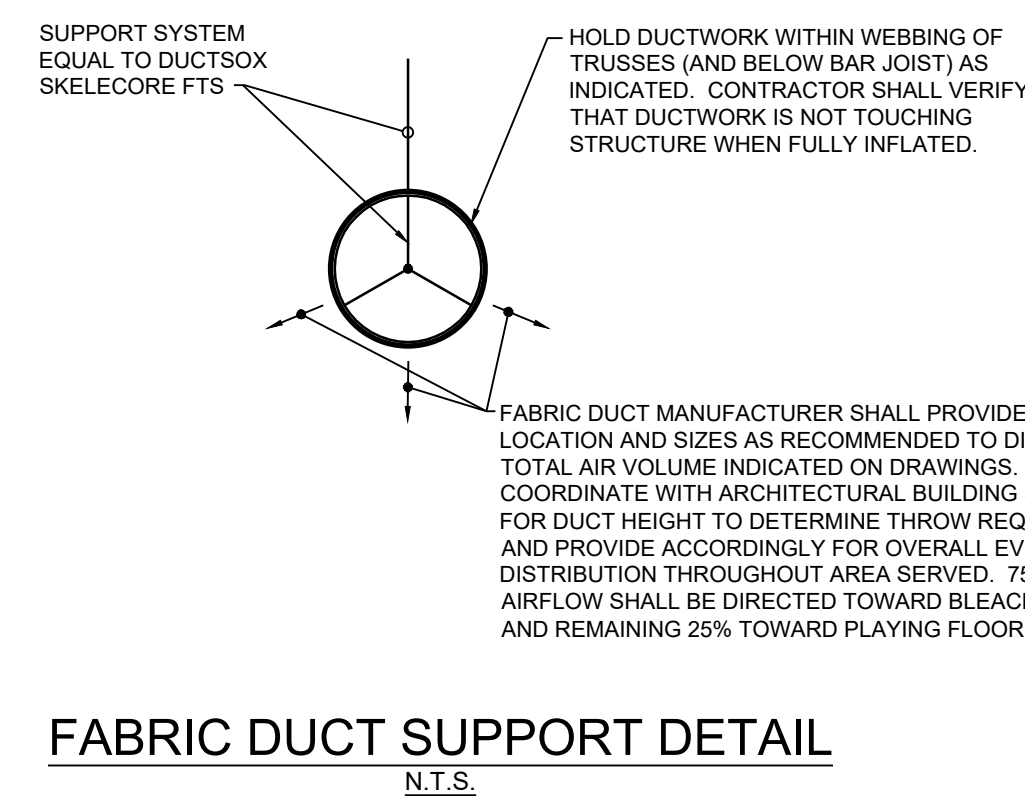


RECTANGULAR DUCT ELBOW DETAIL
N.T.S.

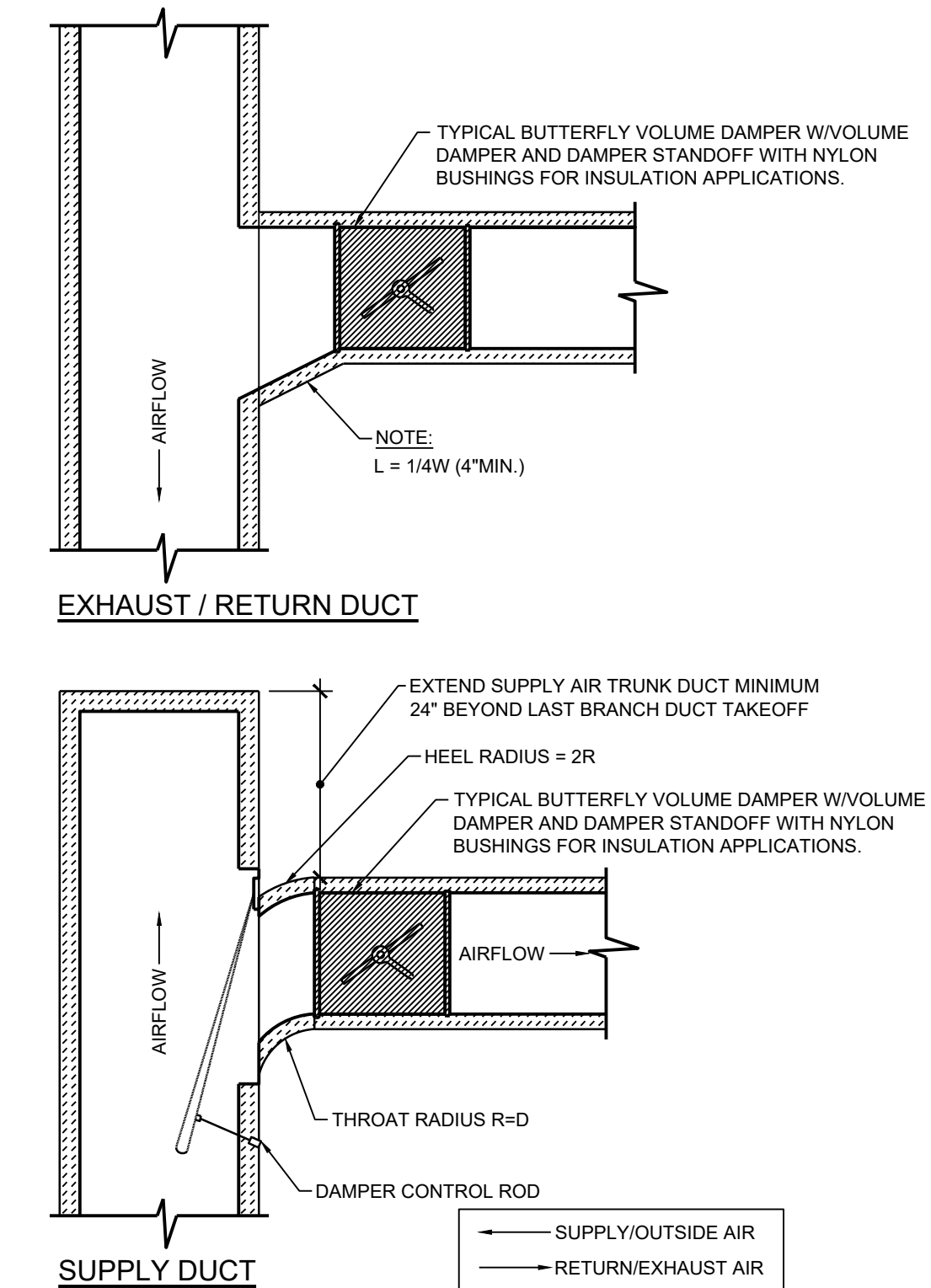


SIDEWALL AND BOTTOM OUTLET RECTANGULAR DUCT S.A. REGISTER INSTALLATION DETAIL
N.T.S.

NOTE: PROVIDE OUTLET COLLARS SIZED .43\"/>

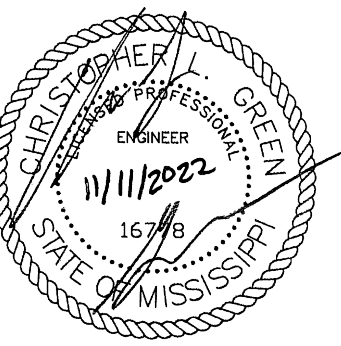
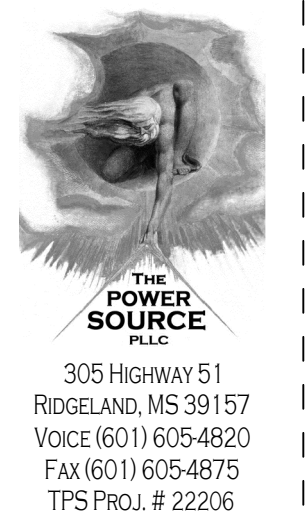


FABRIC DUCT SUPPORT DETAIL
N.T.S.



TYPICAL LOW PRESSURE RECTANGULAR TO RECTANGULAR DUCT TAKEOFF DETAIL
N.T.S.

NOTE: TAKE-OFF FITTINGS SHALL BE FACTORY FABRICATED SPIN-IN TYPE. NO DOVETAIL FIELD JOINTS OR FITTINGS ARE ALLOWED.



ELECTRICAL LEGEND

GENERAL NOTES	SWITCHES	CONDUIT AND WIRING	RECEPTACLES	COMMUNICATIONS																											
<p>1. ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.</p> <p>2. DEVICES NOTED AS "GFI" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES.</p> <p>3. DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE.</p> <p>4. DEVICES NOTED AS "UL" SHALL BE RATED FOR DAMP LOCATION.</p> <p>5. DEVICES NOTED AS "NL" SHALL BE NIGHT LIGHTS. PROVIDE UNSWITCHED POWER TO FIXTURE.</p> <p>6. DEVICES NOTED AS "WG" SHALL BE PROVIDED AND INSTALLED WITH A WIRE GUARD.</p> <p>7. DEVICES NOTED AS "TR" SHALL BE TAMPER RESISTANT.</p> <p>8. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.</p> <p>9. "W/E" INDICATES DEVICE/DISCONNECT PROVIDED WITH THE EQUIPMENT BY OTHERS.</p>	<p>1 SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>2 DOUBLE-POLE, SINGLE-THROW, 30 AMP SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>3 THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>4 FOUR-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>5 LED DIMMER EQUAL TO LEVITON #P710-LFZ MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>6 1000 WATT INCANDESCENT DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>7 2000 WATT INCANDESCENT DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>8 LOW VOLTAGE DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE. SELECT PROPER DIMMER FOR TRANSFORMER TYPE.</p> <p>9 FLUORESCENT DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>10 3-POSITION SWITCH, RAISE/OFF/LOWER. MOUNT CENTERLINE OF BOX 45"A.F.F. UNLESS NOTED OTHERWISE.</p> <p>11 AUTOMATIC WALL SWITCH, SENSORSWITCH #WSXA-PDT OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>12 DUAL TECHNOLOGY, DUAL RELAY WALL SWITCH, SENSORSWITCH #WSXA-PDT-2P OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>13 AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER, SENSORSWITCH #WSXA-PDT-D-VA OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>14 DIGITAL TIME SWITCH WITH ADJUSTABLE RANGE FROM 5 MINUTES TO 12 HOURS. FURNISH WITH AUDIBLE WARNING. SENSORSWITCH #PTS-60 OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>15 HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS (MANUAL MOTOR STARTER).</p> <p>16 PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 12' RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-9 OR APPROVED EQUAL.</p> <p>17 PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 28' RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-10 OR APPROVED EQUAL.</p> <p>18 PASSIVE INFRARED OCCUPANCY SENSOR, HIGH CEILING MOUNT. SENSORSWITCH #CMR-6 OR APPROVED EQUAL.</p> <p>19 PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 2000 SQ. FT. COVERAGE. MOUNT IMMEDIATELY BELOW CEILING. SENSORSWITCH #WV-PDT-16 OR APPROVED EQUAL.</p> <p>20 POWER PACK MOUNTED ABOVE CEILING. SENSORSWITCH #PP20 OR APPROVED EQUAL.</p> <p>21 DUAL RELAY PACK MOUNTED ABOVE CEILING. SENSORSWITCH #PP20-2P OR APPROVED EQUAL.</p> <p>22 EMERGENCY LIGHTING BYPASS SHUNT RELAY. SENSORSWITCH #PP16-SHUNT OR APPROVED EQUAL.</p> <p>23 DAYLIGHT SENSOR.</p>	<p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p> <p>CABLE TRAY. NUMBER INDICATES WIDTH OF CABLE TRAY. NO NUMBER INDICATES A DEFAULT WIDTH OF 12"</p> <p>CRITICAL BRANCH CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT TWO #12 AWG CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p>	<p>1 DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>2 DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>3 DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.</p> <p>4 DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.</p> <p>5 DUPLEX RECEPTACLE, NEMA 5-20R, FOR DRINKING FOUNTAIN FED FROM GFCI BREAKER. MOUNTED IN ACCORDANCE WITH MANUFACTURER'S ROUGH-IN REQUIREMENTS. VERIFY CONNECTION TYPE PRIOR TO BID. RECEPTACLE SHALL BE MOUNTED, CONCEALED BEHIND THE SHROUD OF THE DRINKING FOUNTAIN.</p> <p>6 DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.</p> <p>7 DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.</p> <p>8 SINGLE RECEPTACLE, NEMA 14-50R. PROVIDE 6' CORD AND MATCHING PLUG WHERE REQUIRED. MOUNTING DETERMINED BY NEC FOR TYPE OF EQUIPMENT BEING CONNECTED.</p> <p>9 SINGLE RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>10 SINGLE RECEPTACLE, NEMA 6-30R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>11 SINGLE RECEPTACLE, NEMA 14-30R, MOUNTED 36" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. PROVIDE 6' CORD AND MATCHING PLUG WHERE REQUIRED.</p> <p>12 DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN THE CEILING UNLESS NOTED OTHERWISE.</p>	<p>1 TELEPHONE CONNECTION FOR ELEVATOR CONTROLLER. INCLUDE ALL CABLING AND ACTIVATION OF TELEPHONE SERVICE. ROUTE CABLE INTO THE ELEVATOR CONTROLLER.</p> <p>2 COMBINATION TELEPHONE/DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>3 COMBINATION TELEPHONE/DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>4 TELEPHONE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>5 TELEPHONE OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>6 DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>7 DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>8 COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>9 DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>10 DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>11 DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, A COMBINATION TELEPHONE/DATA OUTLET, AND A MICROPHONE OUTLET MOUNTED IN A FLOOR BOX.</p> <p>12 TELEVISION CABLE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>13 DATA OUTLET MOUNTED IN THE CEILING.</p> <p>14 WIFI.</p>																											
<p>LUMINAIRES (See Light Fixture Schedule)</p> <p>NOTE: THE NUMBER INSIDE THE CIRCLE IS THE CIRCUIT NUMBER. THE LETTER BESIDE THE SYMBOL IS THE FIXTURE TYPE DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.</p> <p>1 2'X2" RECESSED FIXTURE.</p> <p>2 2'X4" RECESSED FIXTURE.</p> <p>3 1'X4" RECESSED FIXTURE.</p> <p>4 2'X2" RECESSED EMERGENCY FIXTURE.</p> <p>5 2'X4" RECESSED EMERGENCY FIXTURE.</p> <p>6 1'X4" RECESSED EMERGENCY FIXTURE.</p> <p>7 2'X2" RECESSED FIXTURE WITH EMERGENCY AND NORMAL CIRCUITRY.</p> <p>8 2'X4" RECESSED FIXTURE WITH EMERGENCY AND NORMAL CIRCUITRY.</p> <p>9 SURFACE MOUNTED OR SUSPENDED FIXTURE.</p> <p>10 SURFACE MOUNTED OR SUSPENDED EMERGENCY FIXTURE.</p> <p>11 RECESSED CEILING FIXTURE.</p> <p>12 RECESSED EMERGENCY CEILING FIXTURE.</p> <p>13 PENDANT MOUNT FIXTURE.</p> <p>14 CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>15 EXIT SIGN WITH EMERGENCY LIGHTING.</p> <p>16 WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>17 EMERGENCY LIGHTING.</p> <p>18 WALL MOUNTED FIXTURE.</p> <p>19 WALL MOUNTED LINEAR FIXTURE.</p> <p>20 WALL MOUNTED EMERGENCY LINEAR FIXTURE.</p> <p>21 SITE ARM MOUNT POLE LIGHT FIXTURE.</p> <p>22 SITE POLE TOP LIGHT FIXTURE.</p> <p>23 SURFACE MOUNTED TRACK AND TRACK LIGHTING FIXTURE.</p> <p>24 CEILING FAN.</p> <p>25 WALLWASH OR SPOT LIGHT FIXTURE.</p> <p>26 IN-GRADE MOUNTED FIXTURE.</p>	<p>FIRE ALARM SYSTEM</p> <p>1 MANUAL PULL STATION. MOUNT 48"A.F.F. TO CENTERLINE OF BOX.</p> <p>2 STROBE. MOUNT 80"A.F.F. TO BOTTOM OF BOX.</p> <p>3 COMBINATION HORN AND STROBE. MOUNT 80"A.F.F. TO BOTTOM OF BOX.</p> <p>4 SMOKE DETECTOR.</p> <p>5 THERMAL DETECTOR.</p> <p>6 DUCT SMOKE DETECTOR IN RETURN DUCT.</p> <p>7 DUCT SMOKE DETECTOR IN SUPPLY DUCT.</p> <p>8 ELEVATOR RECALL SMOKE DETECTOR.</p> <p>9 FIRE ALARM CONTROL PANEL. CIRCUIT BREAKER SHALL BE COLORED RED.</p> <p>10 FIRE ALARM ANNUNCIATOR PANEL.</p> <p>11 FIRE ALARM CONNECTION TO SHUTTER DOOR. DOOR SHALL ROLL DOWN UPON AN ALARM CONDITION.</p> <p>12 FLOW SWITCH.</p> <p>13 TAMPER SWITCH.</p> <p>14 DOOR HOLD OPEN MAGNET TO RELEASE UPON ALARM CONDITION OF THE FIRE ALARM CONTROL PANEL.</p> <p>15 FIRE ALARM HORN AND STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.</p> <p>16 FIRE ALARM STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.</p>	<p>VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS</p> <table border="1"> <thead> <tr> <th>Voltage</th> <th>Circuit Length</th> <th>Conductor Size (AWG)</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>< 50'</td> <td>#12</td> </tr> <tr> <td>120</td> <td>> 50'</td> <td>#10</td> </tr> <tr> <td>120</td> <td>> 90'</td> <td>#8</td> </tr> <tr> <td>120</td> <td>> 140'</td> <td>#6</td> </tr> <tr> <td>277</td> <td>< 130'</td> <td>#12</td> </tr> <tr> <td>277</td> <td>> 130'</td> <td>#10</td> </tr> <tr> <td>277</td> <td>> 200'</td> <td>#8</td> </tr> <tr> <td>277</td> <td>> 330'</td> <td>#6</td> </tr> </tbody> </table> <p>VOLTAGE DROP CHART NOTES:</p> <p>1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.</p> <p>2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.</p> <p>3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.</p>	Voltage	Circuit Length	Conductor Size (AWG)	120	< 50'	#12	120	> 50'	#10	120	> 90'	#8	120	> 140'	#6	277	< 130'	#12	277	> 130'	#10	277	> 200'	#8	277	> 330'	#6	<p>ACCESS CONTROL</p> <p>1 CARD READER.</p> <p>2 PUSH TO EXIT BUTTON.</p> <p>3 MOTION DETECTOR TO RELEASE MAGNETIC LOCK.</p> <p>4 MAGNETIC LOCK.</p> <p>5 ELECTRIC LATCH.</p> <p>6 ELECTRIC DOOR STRIKE.</p> <p>7 ACCESS CONTROL PANEL.</p> <p>8 CONNECTION TO MAGNETIC LOCK RELEASE SWITCH IN PANIC HARDWARE.</p> <p>9 HANDICAP PUSHPAD FURNISHED WITH AUTOMATIC DOOR OPERATOR, INSTALLED BY ELECTRICAL CONTRACTOR.</p> <p>10 DOOR HOLD OPEN.</p> <p>11 CODE BLUE / STAFF STATION. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE. CONSULT WITH OWNER'S VENDOR FOR EXACT BACK BOX SIZE AND REQUIREMENTS. PROVIDE A 3/4" C. FROM THE BACK BOX TO ABOVE THE ACCESSIBLE, CORRIDOR CEILING.</p>	<p>COMMUNICATIONS (Cable Pulled in Contract)</p> <p>1 COMBINATION TELEPHONE/DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. OUTLET SHALL HAVE ONE TELEPHONE JACK AND THREE DATA JACKS UNLESS NOTED OTHERWISE WITH "TP" AND "D" AS SHOWN.</p> <p>2 COMBINATION TELEPHONE/DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX. OUTLET SHALL HAVE ONE TELEPHONE JACK AND THREE DATA JACKS UNLESS NOTED OTHERWISE.</p> <p>3 TELEPHONE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. TELEPHONE OUTLET SHALL HAVE ONE JACK UNLESS NOTED OTHERWISE WITH NUMBER BESIDE SYMBOL.</p> <p>4 TELEPHONE OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX. TELEPHONE OUTLET SHALL HAVE ONE JACK UNLESS NOTED OTHERWISE WITH A NUMBER BESIDE SYMBOL.</p> <p>5 DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. DATA OUTLET SHALL HAVE TWO JACKS UNLESS NOTED OTHERWISE WITH NUMBER BESIDE SYMBOL.</p> <p>6 DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER, WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX. DATA OUTLET SHALL HAVE TWO JACKS UNLESS NOTED OTHERWISE WITH NUMBER BESIDE SYMBOL.</p> <p>7 COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX. OUTLET SHALL HAVE ONE TELEPHONE JACK AND ONE DATA JACK UNLESS NOTED OTHERWISE.</p> <p>8 DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX. COMMUNICATION OUTLET SHALL HAVE ONE TELEPHONE JACK AND ONE DATA JACK UNLESS NOTED OTHERWISE.</p> <p>9 DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX. COMMUNICATION OUTLET SHALL HAVE ONE TELEPHONE JACK AND ONE DATA JACK UNLESS NOTED OTHERWISE.</p> <p>10 MYSTERY ELECTRONICS #FMA3040-RR OR EQUAL WITH TWO RECEPTACLES, TWO DATA CONNECTIONS, AND FOUR MICROPHONE CONNECTORS INCLUDED AND INSTALLED. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONNECTORS AND RECEPTACLES AND BACK BOXES. BACK BOXES SHALL BE EQUAL TO #BB3000D. CONTRACTOR SHALL VERIFY WITH OWNER ANY SPECIAL REQUIREMENTS PRIOR TO SUBMITTING DATA BROCHURE OR ROUGH-IN. FINISH BY ARCHITECT.</p> <p>11 6"X8" RECESSED JUNCTION BOX MOUNTED 60" A.F.F. TO CENTERLINE OF BOX FOR ELECTRONIC WHITE BOARD CONTROLS AND NETWORK WIRING. ROUTE A 2" CONDUIT FROM TOP OF BOX TO 12" ABOVE ACCESSIBLE CEILING AND TERMINATE WITH A PROTECTIVE BUSHING. ROUTE A 1" CONDUIT FROM TOP OF BOX TO A POINT ADJACENT THE NEAREST CABLE TRAY - TURN THE CONDUIT HORIZONTAL AND TERMINATE IT WITH A PROTECTIVE BUSHING. ROUTE A 1" CONDUIT FROM BOTTOM OF BOX TO A DATA OUTLET WITH 4 DATA JACKS MOUNTED 18" ABOVE FINISH FLOOR. RUN 2 DATA CABLES FROM OUTLET TO NEAREST DATA BACKBOARD. ELECTRONIC WHITE BOARD AND ITS INSTALLATION ARE NOT IN THIS CONTRACT.</p>
Voltage	Circuit Length	Conductor Size (AWG)																													
120	< 50'	#12																													
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<p>MISCELLANEOUS</p> <p>1 CONTACTOR.</p> <p>2 PHOTOCELL.</p> <p>3 CEILING MOUNTED JUNCTION BOX.</p> <p>4 WALL MOUNTED JUNCTION BOX.</p> <p>5 FLEXIBLE CONNECTION TO EQUIPMENT.</p> <p>6 CONNECTION TO WHEELCHAIR LIFT. COORDINATE EXACT LOCATION, MOUNTING HEIGHT, AND CONNECTION TYPE WITH WHEELCHAIR LIFT VENDOR.</p> <p>7 HANDHOLE 15"X24" QUARTZITE COMPOSITE BOX OR APPROVED EQUAL. SOLID BOTTOM WITH TRAFFIC RATED LID.</p> <p>8 48" X 48" FIBERGLASS MANHOLE WITH SOLID FLOOR. PROVIDE COVER ENGRAVED "WARNING HIGH VOLTAGE". NEWBASIS FCB484848F14 WITH PCC48484800A14 COVER, OR APPROVED EQUAL. INSTALL SO THAT TOP IS 1" ABOVE GRADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.</p> <p>9 DOUBLE FACE CLOCK.</p> <p>10 SINGLE FACE CLOCK.</p> <p>11 PROVISIONS FOR CABLE TELEVISION OUTLET. MOUNT ABOVE CEILING UNLESS NOTED OTHERWISE. PROVIDE AN OUTLET BOX AND A 3/4" CONDUIT TO ACCESSIBLE LOCATION (IF REQUIRED.)</p>	<p>GEAR</p> <p>1 FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE; F-(RATING OF FUSES).</p> <p>2 NON-FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE.</p> <p>3 MAGNETIC MOTOR STARTER.</p> <p>4 ENCLOSED CIRCUIT BREAKER.</p> <p>5 COMBINATION FUSED DISCONNECT AND MAGNETIC MOTOR STARTER.</p> <p>6 COMBINATION CIRCUIT BREAKER AND MAGNETIC MOTOR STARTER.</p> <p>7 PANELBOARD.</p>	<p>DOOR BELL SYSTEM</p> <p>1 DOOR BELL WEATHERPROOF INDUSTRIAL PUSHBUTTON.</p> <p>2 TRANSFORMER MOUNTED ABOVE CEILING.</p> <p>3 INDUSTRIAL CHIME.</p>	<p>INTRUSION DETECTION SYSTEM</p> <p>1 KEYPAD.</p> <p>2 MOTION DETECTOR.</p> <p>3 GLASS BREAK DETECTOR.</p> <p>4 DOOR CONTACT.</p> <p>5 ALARM HORN.</p> <p>6 INTRUSION DETECTION CONTROL PANEL.</p>	<p>INTERCOM SYSTEM</p> <p>1 CEILING SPEAKER.</p> <p>2 HORN TYPE SPEAKER.</p> <p>3 WALL MOUNT SPEAKER.</p> <p>4 SURFACE MOUNT SPEAKER.</p> <p>5 CALL-IN SWITCH.</p> <p>6 INTERCOM MASTER STATION WITH DOOR RELEASE. DESKTOP MOUNT.</p> <p>7 VANDAL & WEATHER RESISTANT INTERCOM SUB STATION.</p>	<p>CCTV SYSTEM</p> <p>1 CEILING MOUNTED CAMERA.</p> <p>2 WALL MOUNTED CAMERA.</p> <p>3 INSIDE CORNER MOUNTED CAMERA.</p> <p>4 OUTSIDE CORNER MOUNTED CAMERA.</p> <p>5 WALL MOUNTED MONITOR.</p> <p>6 DESK MOUNTED MONITOR.</p>																										

DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

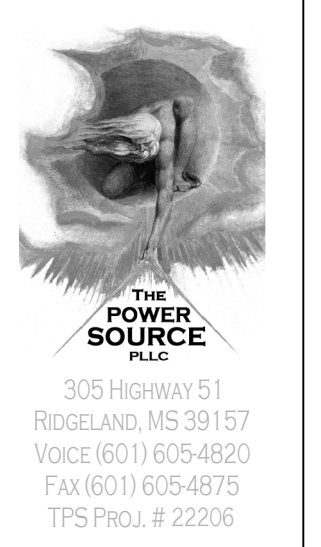
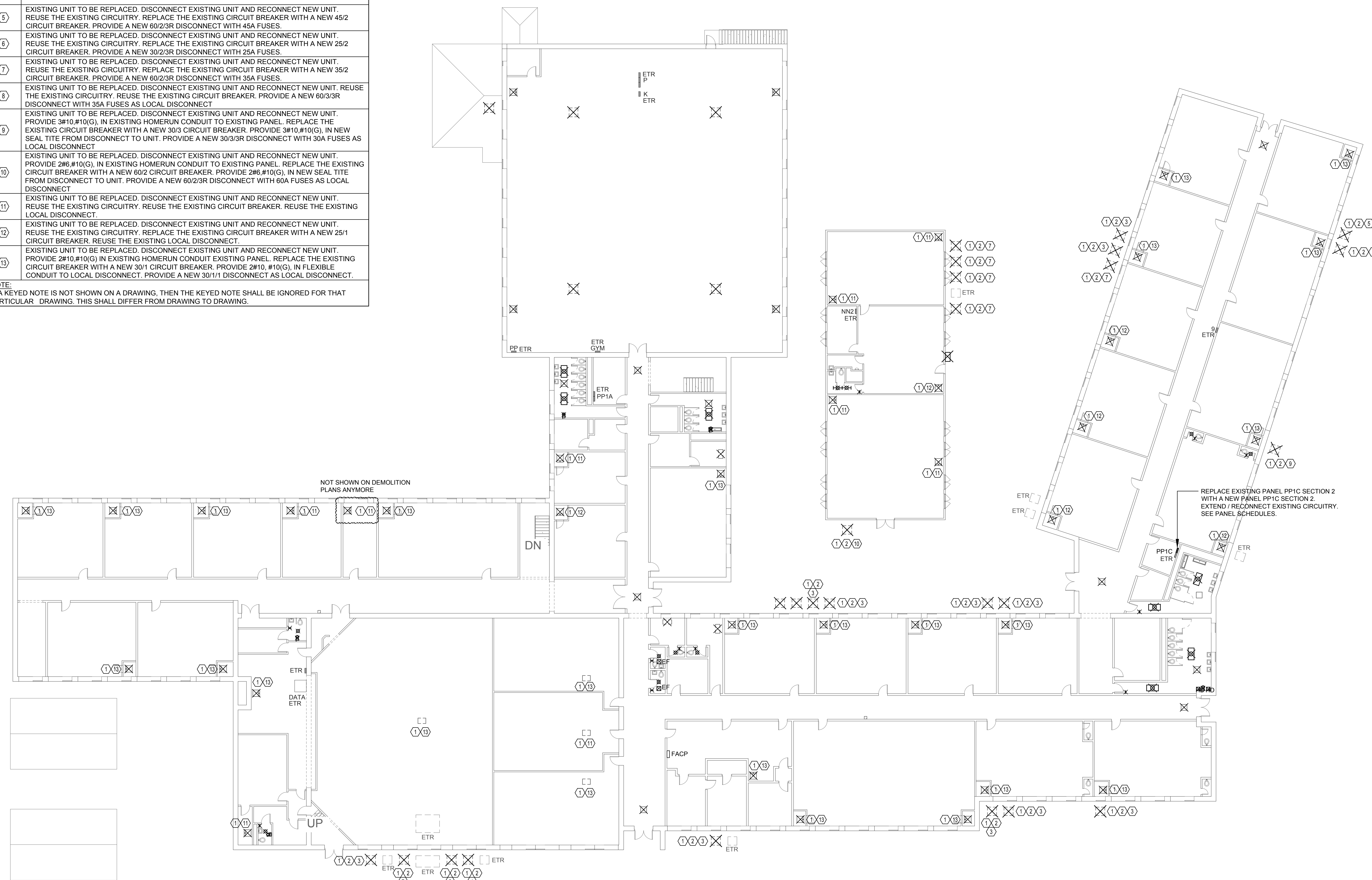
DEMOLITION LEGEND

- RL# EXISTING DEVICE TO BE RELOCATED. NUMBER INDICATES RELOCATED DEVICE. SEE POWER/LIGHTING PLANS FOR NEW DEVICE LOCATIONS
- X EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
- ETR EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.

MASTER DEMOLITION KEYED NOTES

Mark	Description
①	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 1/E100.
②	REPLACE EXISTING SEAL TITE.
③	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT
④	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT
⑤	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 45/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/R DISCONNECT WITH 45A FUSES
⑥	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/2 CIRCUIT BREAKER. PROVIDE A NEW 30/2/R DISCONNECT WITH 25A FUSES
⑦	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/R DISCONNECT WITH 35A FUSES
⑧	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 60/3/R DISCONNECT WITH 35A FUSES AS LOCAL DISCONNECT
⑨	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 30/3/R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT
⑩	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#6,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 60/2 CIRCUIT BREAKER. PROVIDE 2#6,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 60/2/R DISCONNECT WITH 60A FUSES AS LOCAL DISCONNECT
⑪	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑫	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/1 CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT
⑬	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#10,#10(G) IN EXISTING HOMERUN CONDUIT EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/1 CIRCUIT BREAKER. PROVIDE 2#10,#10(G), IN FLEXIBLE CONDUIT TO LOCAL DISCONNECT. PROVIDE A NEW 30/1/R DISCONNECT AS LOCAL DISCONNECT.

NOTE:
 IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.



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Natchez-Adams School District ESSER 3

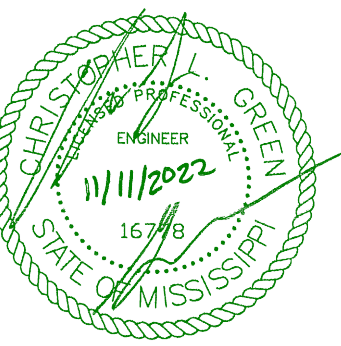
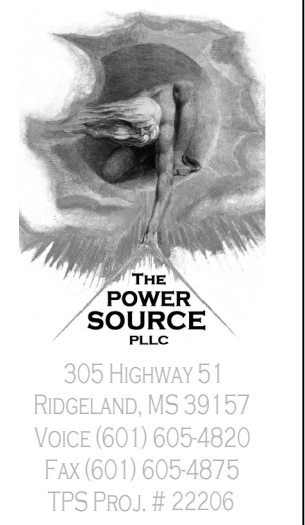
10 Homochitto St. Natchez, MS 39120

100%
 Construction Documents

Project No 21052
 Date 11/11/2022
 Drawn HBS
 Checked CLG
 Revision # Date

1
 ED100
 McLaurin Elementary - Overall Demolition - Upper Level
 Scale: 1/16" = 1'-0"

McLaurin Elementary
ED100
 Overall Electrical Demolition Plan
 First Floor



Natchez-Adams School District ESSER 3
10 Homochitto St. Natchez, MS 39120

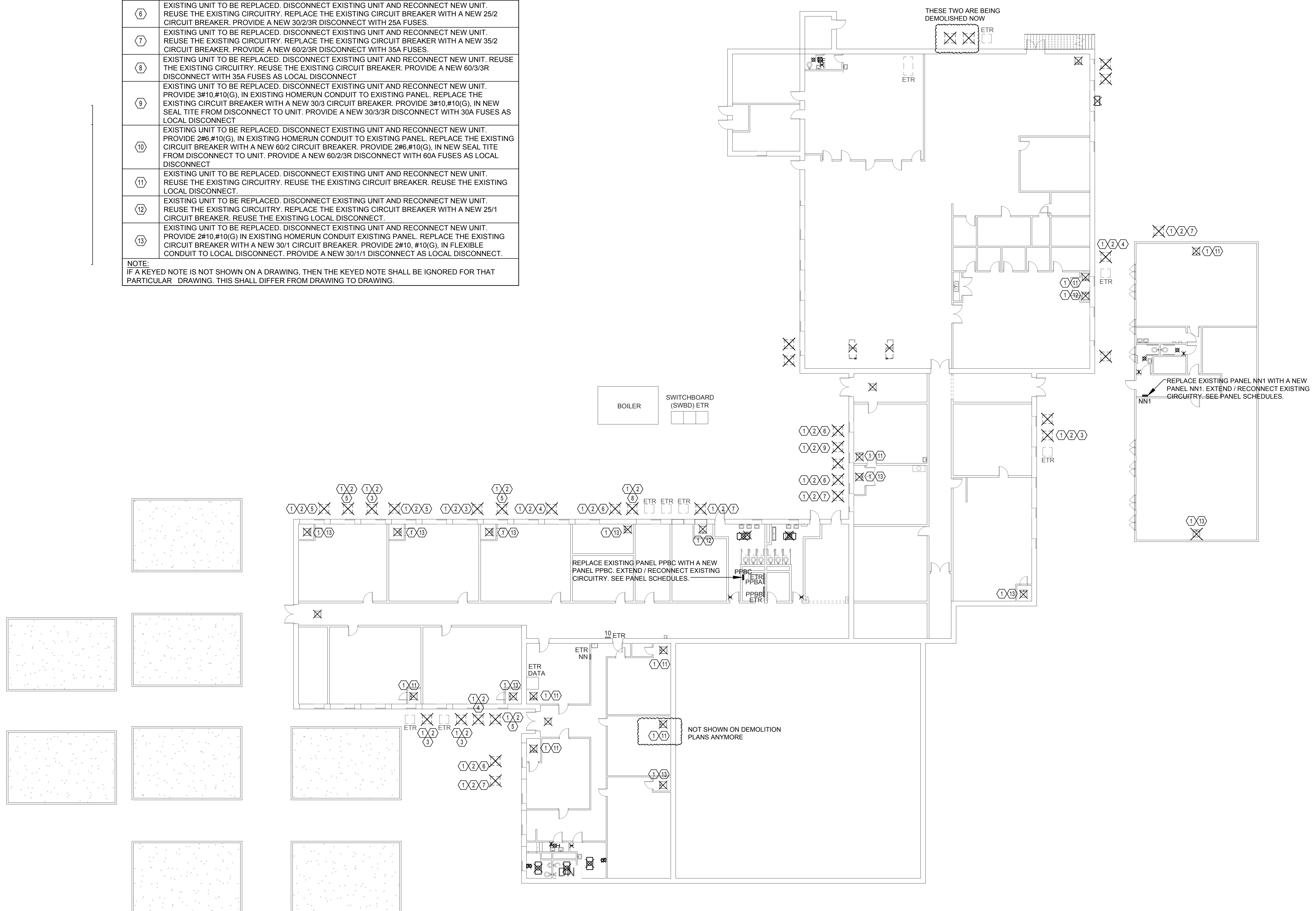
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MASTER DEMOLITION KEYED NOTES

Mark	Description
①	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 1/E100.
②	REPLACE EXISTING SEAL TITE.
③	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT.
④	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT.
⑤	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 45/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3R DISCONNECT WITH 45A FUSES.
⑥	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/2 CIRCUIT BREAKER. PROVIDE A NEW 30/2/3R DISCONNECT WITH 25A FUSES.
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⑪	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑫	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/1 CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
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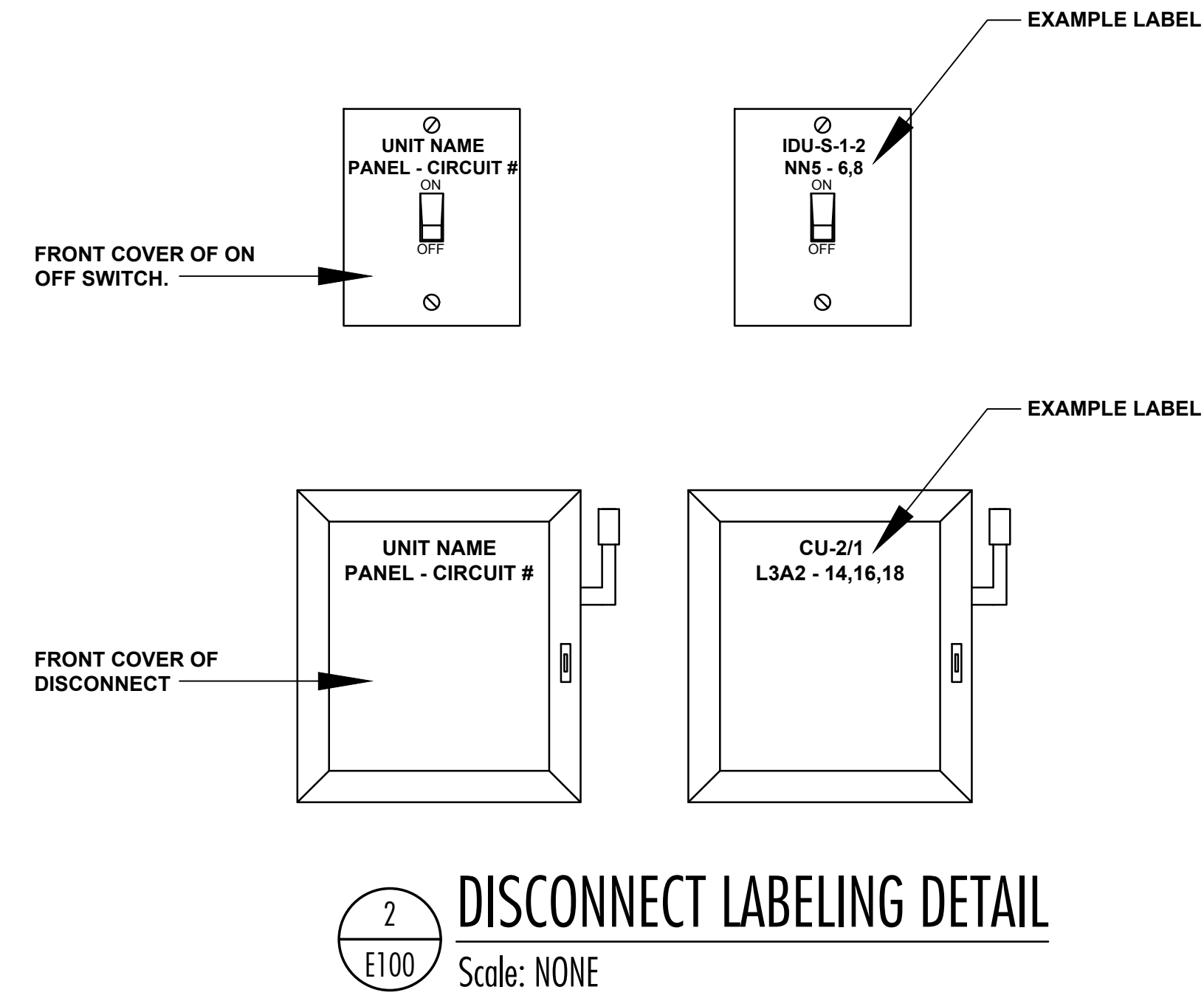
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1 ED101 McLaurin Elementary - OVERALL DEMOLITION - LOWER FLOOR
Scale: 1/16" = 1'-0"

ELECTRICAL LEGEND

GENERAL NOTES	SWITCHES	CONDUIT AND WIRING																											
1. ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. 2. DEVICES NOTED AS "GFI" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES. 3. DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE. 4. DEVICES NOTED AS "DL" SHALL BE RATED FOR DAMP LOCATION. 5. DEVICES NOTED AS "NL" SHALL BE NIGHT LIGHTS. PROVIDE UNSWITCHED POWER TO FIXTURE. 6. DEVICES NOTED AS "WG" SHALL BE PROVIDED AND INSTALLED WITH A WIRE GUARD. 7. DEVICES NOTED AS "TR" SHALL BE TAMPER RESISTANT. 8. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS. 9. "W/E" INDICATES DEVICE/DISCONNECT PROVIDED WITH THE EQUIPMENT BY OTHERS.	2P § DOUBLE-POLE, SINGLE-THROW, 30 AMP SWITCH. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE. § T HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS (MANUAL MOTOR STARTER). <h3 style="text-align: center;">FIRE ALARM SYSTEM</h3> D _{RS} DUCT SMOKE DETECTOR IN RETURN DUCT. D _{SS} DUCT SMOKE DETECTOR IN SUPPLY DUCT. EACB FIRE ALARM CONTROL PANEL. CIRCUIT BREAKER SHALL BE COLORED RED.	CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG. CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS). CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS. PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.																											
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GEAR																													
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	VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS																												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Voltage</th> <th>Circuit Length</th> <th>Conductor Size (AWG)</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>< 50'</td> <td>#12</td> </tr> <tr> <td>120</td> <td>> 50'</td> <td>#10</td> </tr> <tr> <td>120</td> <td>> 90'</td> <td>#8</td> </tr> <tr> <td>120</td> <td>> 140'</td> <td>#6</td> </tr> <tr> <td>277</td> <td>< 130'</td> <td>#12</td> </tr> <tr> <td>277</td> <td>> 130'</td> <td>#10</td> </tr> <tr> <td>277</td> <td>> 200'</td> <td>#8</td> </tr> <tr> <td>277</td> <td>> 330'</td> <td>#6</td> </tr> </tbody> </table>	Voltage	Circuit Length	Conductor Size (AWG)	120	< 50'	#12	120	> 50'	#10	120	> 90'	#8	120	> 140'	#6	277	< 130'	#12	277	> 130'	#10	277	> 200'	#8	277	> 330'	#6	
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120	< 50'	#12																											
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	VOLTAGE DROP CHART NOTES: 1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED. 2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE. 3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.																												

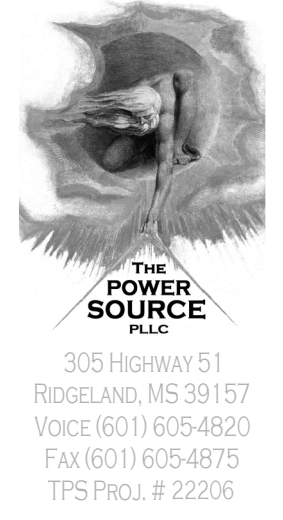


PANEL		LOCATION: HALLWAY		LUG LOCATION: BOTTOM FEED		MAIN BUS: 400A MAIN BREAKER		SURFACE		PANELBOARD SCRR RATING (A): 22,000	
CIRCUIT NO.	BREAKER AMPS	POLES	DESCRIPTION	A	B	C	DESCRIPTION	BREAKER AMPS	POLES	CIRCUIT NO.	
1	125	3	EXISTING LOAD	0.0	0.0		FULL WIDTH			2	
3	-	-	-		0.0	0.0	-			4	
5	-	-	-			0.0	-			6	
7	150	2	EXISTING LOAD	0.0	0.0		FULL WIDTH			8	
9	-	-	-			0.0	-			10	
11	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	12	
13	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	20	1	14	
15	20	1	EXISTING LOAD		0.0	0.0	EXISTING LOAD	20	1	16	
17	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	18	
19	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	20	1	20	
21	20	1	EXISTING LOAD		0.0	0.0	EXISTING LOAD	20	1	22	
23	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	24	
25	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	100	2	26	
27	20	1	EXISTING LOAD		0.0	0.0	-			28	
29	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	30	
31	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	20	1	32	
33	20	1	EXISTING LOAD		0.0	0.0	EXISTING LOAD	40	2	34	
35	20	1	EXISTING LOAD			0.0	EXISTING LOAD			36	
37	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	100	3	38	
39	40	2	EXISTING LOAD		0.0	0.0	-			40	
41	-	-	-			0.0	-			42	
43	45	3	HRU-MC-03	3.5	0.0		SPARE	20	1	44	
45	-	-	-		3.5	0.0	SPARE	20	1	46	
47	-	-	-			3.5	0.0	SPARE	20	1	48
49	20	1	SPARE	0.0	0.0		SPARE	20	1	50	
51	20	1	SPARE		0.0	0.0	SPARE	20	1	52	
53	20	1	SPARE			0.0	0.0	SPARE	20	1	54
TOTAL				3.5	3.5	3.5					

PANEL		LOCATION: JANITOR CLOSET		LUG LOCATION: BOTTOM FEED		MAIN BUS: 400A		SURFACE		PANELBOARD SCRR RATING (A): 22,000			
CIRCUIT NO.	BREAKER AMPS	POLES	DESCRIPTION	A	B	C	DESCRIPTION	BREAKER AMPS	POLES	CIRCUIT NO.			
31	40	3	EXISTING LOAD	0.0	0.0		EXISTING LOAD	40	3	32			
33	-	-	-		0.0	0.0	-			34			
35	-	-	-			0.0	-			36			
37	40	3	EXISTING LOAD	0.0	0.0	0.0	0.0	EXISTING LOAD	20	1	38		
39	-	-	-		0.0	0.0	-	EXISTING LOAD	20	1	40		
41	-	-	-			0.0	0.0	EXISTING LOAD	20	1	42		
43	40	3	EXISTING LOAD	0.0	0.0		EXISTING LOAD	20	1	44			
45	-	-	-		0.0	0.0	-	EXISTING LOAD	20	1	46		
47	-	-	-			0.0	0.0	EXISTING LOAD	20	1	48		
49	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	20	1	50			
51	100	2	EXISTING LOAD		0.0	0.0	EXISTING LOAD	20	1	52			
53	-	-	-			0.0	0.0	EXISTING LOAD	20	1	54		
55	20	2	DCU-MC-03 AND DSS-MC-03	1.4	1.0		CH-MC-07	15	2	56			
57	-	-	-		1.4	1.0	-	-	-	58			
59	20	2	DCU-MC-03 AND DSS-MC-03		1.4	1.0	1.4	1.0	CH-MC-08	15	2	60	
61	-	-	-		1.4	1.0	-	-	-	-	62		
63	15	2	CH-MC-03		1.0	1.0			CH-MC-14	15	2	64	
65	-	-	-			1.0	1.0		-	-	66		
67	15	2	CH-MC-04		1.0	0.0			SPARE	20	1	68	
69	-	-	-			1.0	0.0		SPARE	20	1	70	
71	15	2	CH-MC-06		1.0	0.0		1.0	0.0	SPARE	20	1	72
73	-	-	-		1.0	0.0			SPARE	20	1	74	
75	15	2	CH-MC-13		1.0	0.0			SPARE	20	1	76	
77	-	-	-			1.0	0.0		SPARE	20	1	78	
79	20	1	SPARE	0.0	0.0		SPARE	20	1	80			
81	20	1	SPARE		0.0	0.0	SPARE	20	1	82			
83	20	1	SPARE			0.0	0.0	SPARE	20	1	84		
TOTAL				6.7	6.4	6.4							

PANEL		LOCATION: JANITOR CLOSET		LUG LOCATION: BOTTOM FEED		MAIN BUS: 400A		SURFACE		PANELBOARD SCRR RATING (A): 22,000		
CIRCUIT NO.	BREAKER AMPS	POLES	DESCRIPTION	A	B	C	DESCRIPTION	BREAKER AMPS	POLES	CIRCUIT NO.		
3	40	3	EXISTING LOAD	0.0	0.0		EXISTING LOAD	70	3	2		
5	-	-	-		0.0	0.0	-			4		
7	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	70	3	6		
9	20	1	EXISTING LOAD		0.0	0.0	-			8		
11	50	2	EXISTING LOAD			0.0	0.0	-		10		
13	-	-	-	0.0	0.0		EXISTING LOAD	70	3	12		
15	30	2	EXISTING LOAD		0.0	0.0	-			14		
17	-	-	-			0.0	0.0	-		16		
19	30	2	EXISTING LOAD	0.0	0.0		EXISTING LOAD	30	3	18		
21	-	-	-		0.0	0.0	-			20		
23	30	2	EXISTING LOAD			0.0	0.0	-		22		
25	-	-	-		0.0	0.0	EXISTING LOAD	30	3	24		
27	20	1	EXISTING LOAD		0.0	0.0	-			26		
29	30	3	EXISTING LOAD			0.0	0.0	-		28		
31	-	-	-	0.0	0.0		EXISTING LOAD	100	2	30		
33	-	-	-		0.0	0.0	EXISTING LOAD			32		
35	70	3	EXISTING LOAD			0.0	0.0	EXISTING LOAD	30	3	34	
37	-	-	-	0.0	0.0		-			36		
39	-	-	-		0.0	0.0	-			38		
41	20	2	DCU-MC-01 AND DSS-MC-01		1.4	1.0	1.4	1.0	CH-MC-15	15	2	40
43	-	-	-		1.4	1.0			CH-MC-09	15	2	42
45	20	2	DCU-MC-02 AND DSS-MC-02		1.4	1.0			CH-MC-05	15	2	44
47	-	-	-			1.4	1.0		-	-	46	
49	15	2	CH-MC-01		1.0	1.0			CH-MC-10	15	2	48
51	-	-	-			1.0	1.0		-	-	50	
53	20	1	SPARE			0.0	0.0	SPARE	20	1	52	
TOTAL				4.4	4.4	4.7						

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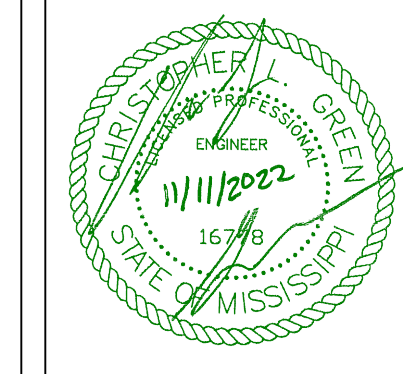
DALE BAILEY
AN ASSOCIATION

Architects
 One Jackson Place 250
 188 East Capitol Street
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 201 Park Court Suite B
 Ridgeland, MS 39157
 p 601.790.9432

 161 Lameuse St. Suite 201
 Biloxi, MS 39530
 p 228.374.1409

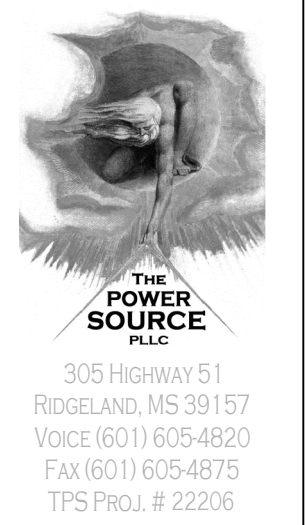
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Natchez-Adams School District ESSER 3
10 Homochitto St. Natchez, MS 39120

100%
Construction Documents
 Project No 21052
 Date 11/11/2022
 Drawn HBS
 Checked CLG
 Revision # Date

McLaurin Elementary
E100
 ELECTRICAL DETAILS



DALE BAILEY AN ASSOCIATION

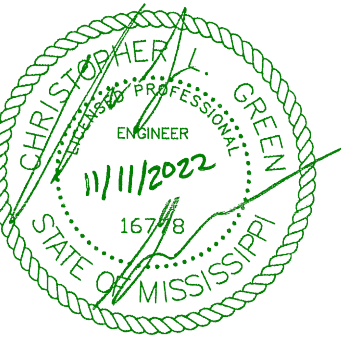
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Natchez-Adams School District ESSER 3
10 Homochitto St. Natchez, MS 39120

100%
Construction Documents

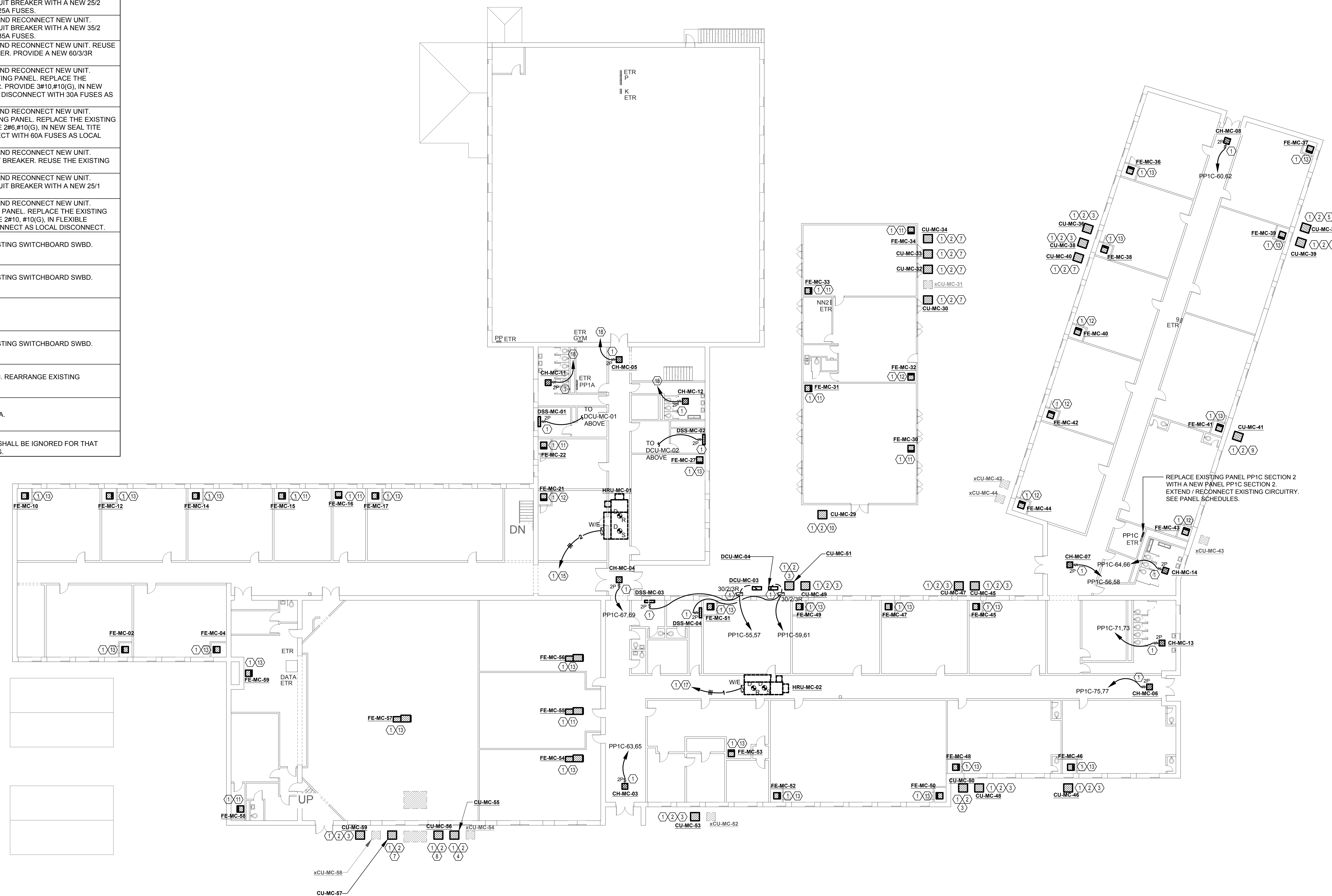
Project No 21052
Date 11/11/2022
Drawn HBS
Checked CLG
Revision # Date

McLaurin Elementary
E101
OVERALL ELECTRICAL
RENOVATION PLAN
FIRST FLOOR

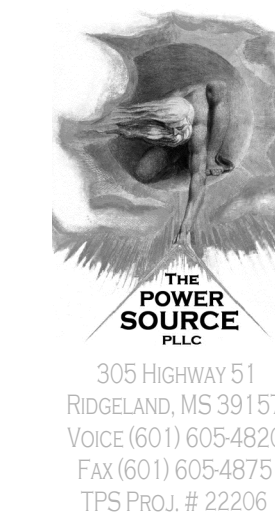
MASTER RENOVATION KEYED NOTES

Mark	Description
①	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 1/E100.
②	REPLACE EXISTING SEAL TITE.
③	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT
④	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT
⑤	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 45/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3R DISCONNECT WITH 45A FUSES.
⑥	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/2 CIRCUIT BREAKER. PROVIDE A NEW 30/2/3R DISCONNECT WITH 25A FUSES.
⑦	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3R DISCONNECT WITH 35A FUSES.
⑧	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 60/3/3R DISCONNECT WITH 35A FUSES AS LOCAL DISCONNECT
⑨	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 30/3/3R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT
⑩	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#8,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 60/2 CIRCUIT BREAKER. PROVIDE 2#6,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 60/2/3R DISCONNECT WITH 60A FUSES AS LOCAL DISCONNECT
⑪	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑫	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/1 CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑬	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#10,#10(G) IN EXISTING HOMERUN CONDUIT EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/1 CIRCUIT BREAKER. PROVIDE 2#10, #10(G), IN FLEXIBLE CONDUIT TO LOCAL DISCONNECT. PROVIDE A NEW 30/1/1 DISCONNECT AS LOCAL DISCONNECT.
⑭	PROVIDE A NEW 400/3 CIRCUIT BREAKER WITH 300A TRIP IN EXISTING SWITCHBOARD SWBD. BREAKER TYPE GE SPECTRA.
⑮	PROVIDE A NEW 200/3 CIRCUIT BREAKER WITH 110A TRIP IN EXISTING SWITCHBOARD SWBD. BREAKER TYPE GE SPECTRA.
⑯	PROVIDE A NEW 80/3 CIRCUIT BREAKER IN EXISTING PANEL P.
⑰	PROVIDE A NEW 200/3 CIRCUIT BREAKER WITH 150A TRIP IN EXISTING SWITCHBOARD SWBD. BREAKER TYPE GE SPECTRA.
⑱	PROVIDE A NEW 15/2 CIRCUIT BREAKER IN EXISTING PANEL GYM. REARRANGE EXISTING BREAKERS AS NEEDED.
⑲	PROVIDE A NEW 15/2 CIRCUIT BREAKER IN EXISTING PANEL PPBA.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.

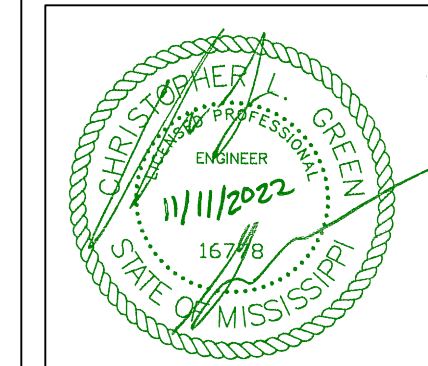


McLaurin Elementary - OVERALL RENOVATION - UPPER LEVEL
Scale: 1/16" = 1'-0"



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Natchez-Adams School District ESSER 3
10 Homochitto St. Natchez, MS 39120

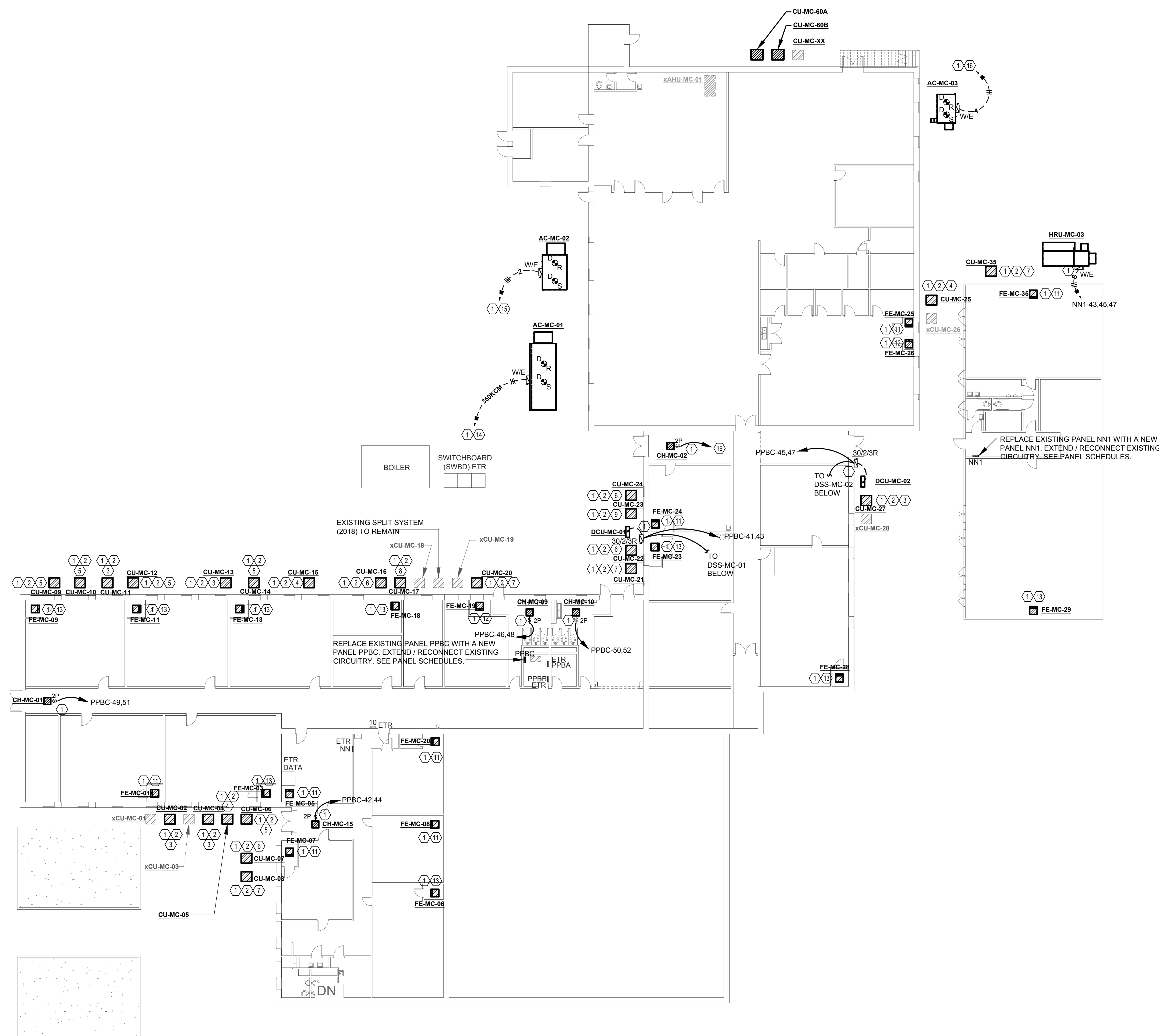
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Construction Documents

Project No 21052
Date 11/11/2022
Drawn HBS
Checked CLG
Revision # Date

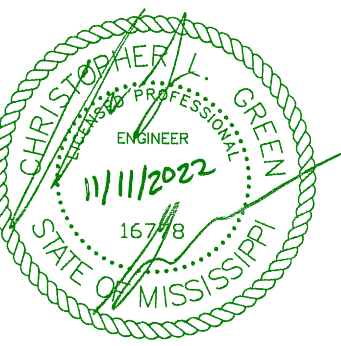
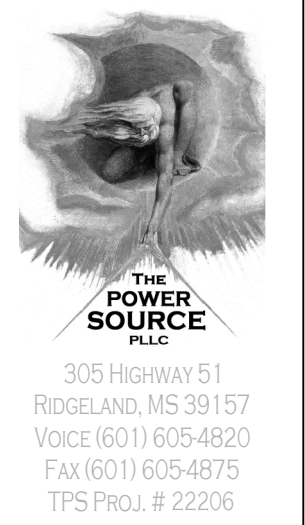
McLaurin Elementary
E102
OVERALL ELECTRICAL RENOVATION PLAN
SECOND FLOOR

Mark	Description
①	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 1/E100.
②	REPLACE EXISTING SEAL TITE.
③	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT.
④	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT.
⑤	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 45/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3R DISCONNECT WITH 45A FUSES.
⑥	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/2 CIRCUIT BREAKER. PROVIDE A NEW 30/2/3R DISCONNECT WITH 25A FUSES.
⑦	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3R DISCONNECT WITH 35A FUSES.
⑧	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 60/3/3R DISCONNECT WITH 35A FUSES AS LOCAL DISCONNECT.
⑨	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 30/3/3R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT.
⑩	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#6,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 60/2 CIRCUIT BREAKER. PROVIDE 2#6,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 60/2/3R DISCONNECT WITH 60A FUSES AS LOCAL DISCONNECT.
⑪	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑫	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/1 CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑬	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#10,#10(G) IN EXISTING HOMERUN CONDUIT EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/1 CIRCUIT BREAKER. PROVIDE 2#10,#10(G), IN FLEXIBLE CONDUIT TO LOCAL DISCONNECT. PROVIDE A NEW 30/1/1 DISCONNECT AS LOCAL DISCONNECT.
⑭	PROVIDE A NEW 400/3 CIRCUIT BREAKER WITH 300A TRIP IN EXISTING SWITCHBOARD SWBD. BREAKER TYPE GE SPECTRA.
⑮	PROVIDE A NEW 200/3 CIRCUIT BREAKER WITH 110A TRIP IN EXISTING SWITCHBOARD SWBD. BREAKER TYPE GE SPECTRA.
⑯	PROVIDE A NEW 80/3 CIRCUIT BREAKER IN EXISTING PANEL P.
⑰	PROVIDE A NEW 200/3 CIRCUIT BREAKER WITH 150A TRIP IN EXISTING SWITCHBOARD SWBD. BREAKER TYPE GE SPECTRA.
⑱	PROVIDE A NEW 15/2 CIRCUIT BREAKER IN EXISTING PANEL GYM. REARRANGE EXISTING BREAKERS AS NEEDED.
⑲	PROVIDE A NEW 15/2 CIRCUIT BREAKER IN EXISTING PANEL PPBA.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.



①
E102
McLAURIN ELEMENTARY - OVERALL RENOVATION - LOWER LEVEL
Scale: 1/16" = 1'-0"



Natchez-Adams School District ESSER 3

10 Homochitto St. Natchez, MS 39120

100%
Construction Documents

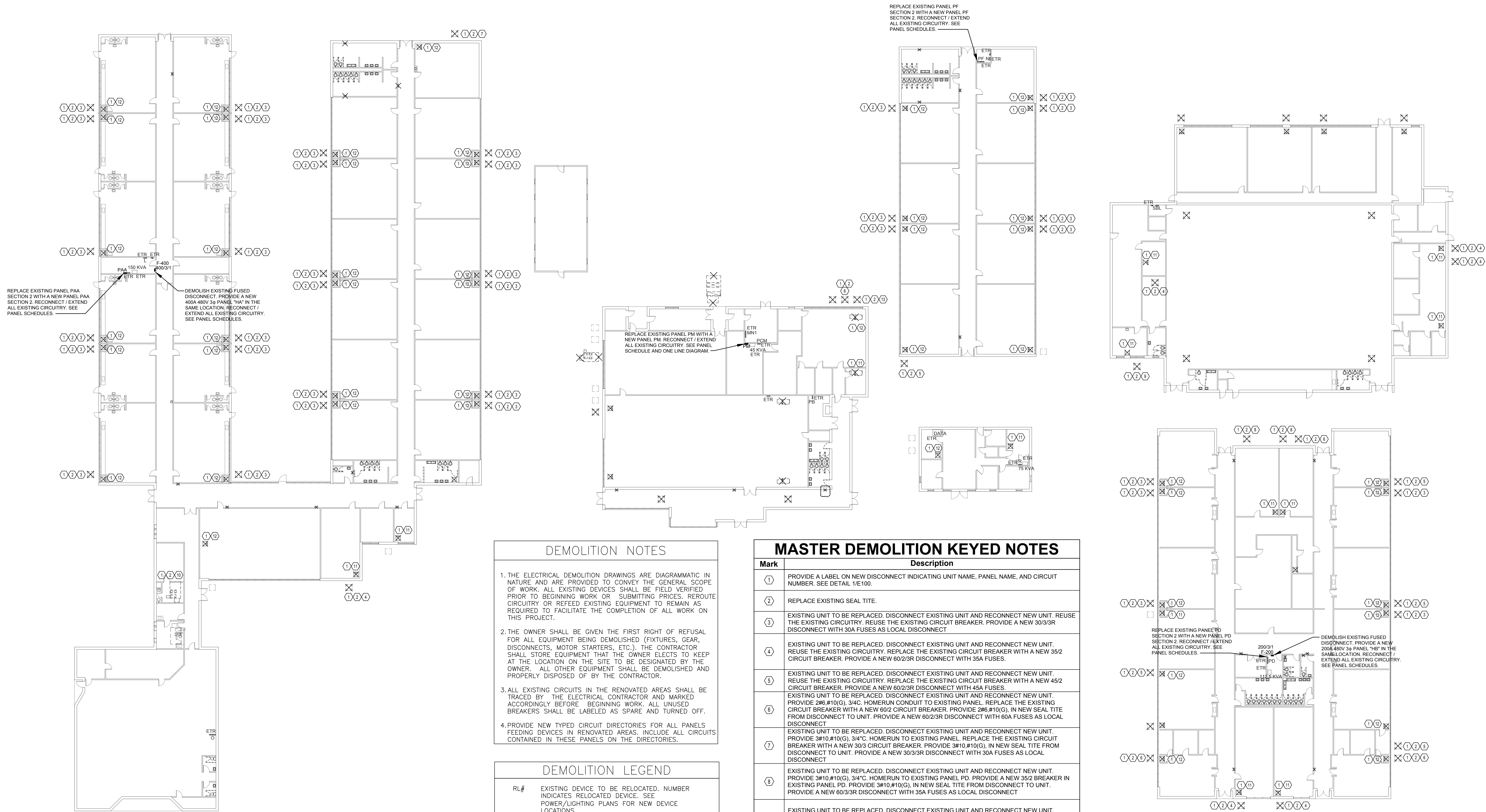
Project No	21052
Date	11/11/2022
Drawn	HBS
Checked	CLG
Revision #	Date

Morgantown Elementary

ED200

OVERALL ELECTRICAL DEMOLITION PLAN

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DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

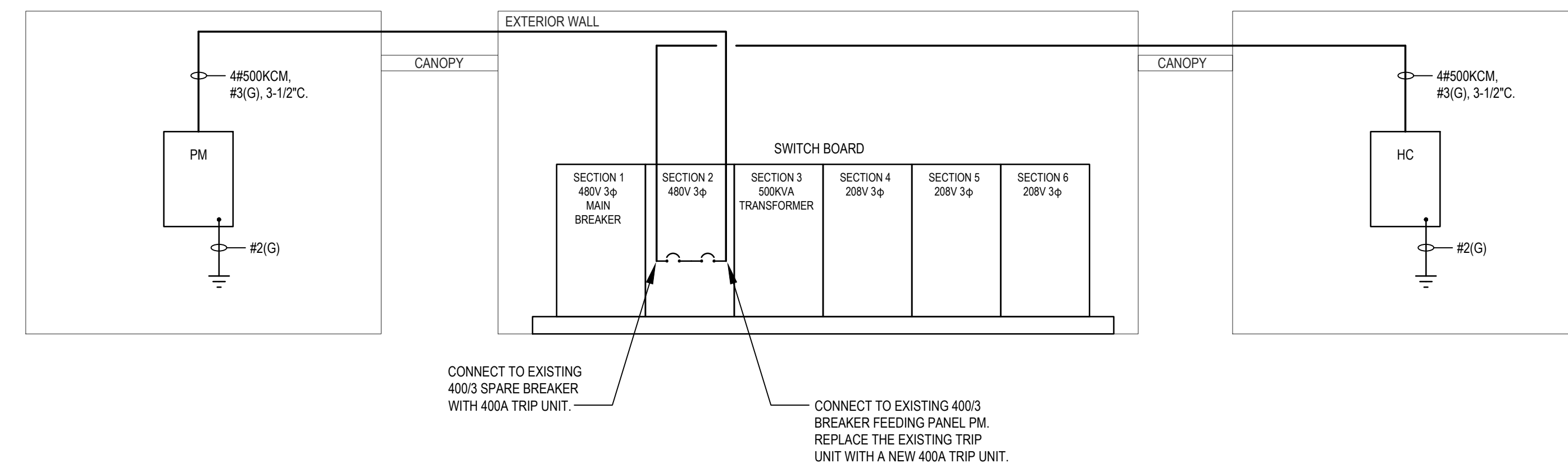
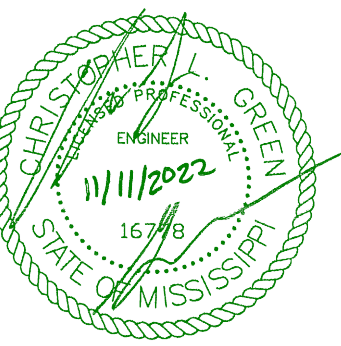
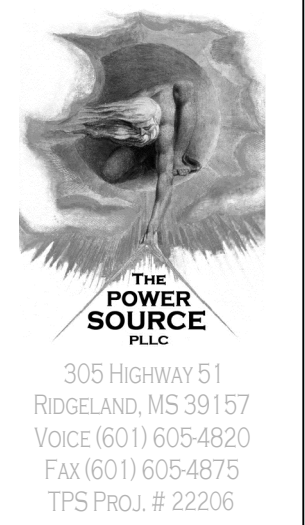
DEMOLITION LEGEND

RL#	EXISTING DEVICE TO BE RELOCATED. NUMBER INDICATES RELOCATED DEVICE. SEE POWER/LIGHTING PLANS FOR NEW DEVICE LOCATIONS
X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
ETR	EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.

MASTER DEMOLITION KEYED NOTES

Mark	Description
①	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 1/E100.
②	REPLACE EXISTING SEAL TITE.
③	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT
④	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3/R DISCONNECT WITH 35A FUSES.
⑤	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 45/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3/R DISCONNECT WITH 45A FUSES.
⑥	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#5.#10(G), 3/4" HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 60/2 CIRCUIT BREAKER. PROVIDE 2#5.#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 60/2/3/R DISCONNECT WITH 60A FUSES AS LOCAL DISCONNECT
⑦	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10.#10(G), 3/4" HOMERUN TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. PROVIDE 3#10.#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 30/3/R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT
⑧	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10.#10(G), 3/4" HOMERUN TO EXISTING PANEL. PD. PROVIDE A NEW 35/2 BREAKER IN EXISTING PANEL PD. PROVIDE 3#10.#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 60/3/R DISCONNECT WITH 35A FUSES AS LOCAL DISCONNECT
⑨	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/2 CIRCUIT BREAKER. PROVIDE A NEW 30/2/3/R DISCONNECT WITH 25A FUSES.
⑩	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. LOCAL DISCONNECT PROVIDED WITH EQUIPMENT.
⑪	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑫	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#10.#10(G) IN EXISTING HOMERUN TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/1 CIRCUIT BREAKER. PROVIDE 2#10.#10(G), IN FLEXIBLE CONDUIT TO LOCAL DISCONNECT. PROVIDE A NEW 30/1/1 DISCONNECT AS LOCAL DISCONNECT.
⑬	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT

NOTE: IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.



1 ONE LINE DIAGRAM
Scale: NONE

PANEL HA				LOCATION: ELECTRICAL ROOM	LUG LOCATION: BOTTOM FEED			PANELBOARD SCRR RATING (A): 25,000			
VOLT: 480Y/277V, 3Ø, 4W				MAIN BUS: 300A MAIN BREAKER							
BUS: 400A				SURFACE							
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	CIRCUIT NO.	
					A	B	C				
1	225	3		EXISTING TRANSFORMER FEEDING PANEL PAA	0.0	6.9		HRU-MO-01	40	3	2
3	-	-	-	-				-	-	-	4
5	-	-	-	-				-	-	-	6
7	50	3		SPARE	0.0	8.2		HRU-MO-02	50	3	8
9	-	-	-	-				-	-	-	10
11	-	-	-	-				-	-	-	12
13	40	3		SPARE	0.0	0.0		SPARE	30	3	14
15	-	-	-	-				-	-	-	16
17	-	-	-	-				-	-	-	18
19	-	-	-	SPACE	0.0	0.0		SPACE	-	-	20
21	-	-	-	SPACE				SPACE	-	-	22
23	-	-	-	SPACE				SPACE	-	-	24
25	-	-	-	SPACE	0.0	0.0		SPACE	-	-	26
27	-	-	-	SPACE				SPACE	-	-	28
29	-	-	-	SPACE				SPACE	-	-	30
TOTAL					15.1	15.1	15.1				

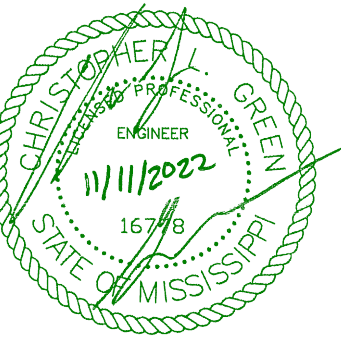
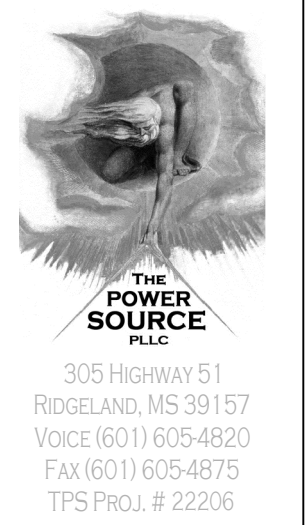
PANEL HB				LOCATION: ELECTRICAL ROOM	LUG LOCATION: BOTTOM FEED			PANELBOARD SCRR RATING (A): 25,000			
VOLT: 480Y/277V, 3Ø, 4W				MAIN BUS: 200A MAIN BREAKER							
BUS: 250A				SURFACE							
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	CIRCUIT NO.	
					A	B	C				
1	175	3		EXISTING TRANSFORMER FEEDING PANEL PD	0.0	7.3		HRU-MO-04	45	3	2
3	-	-	-	-				-	-	-	4
5	-	-	-	-				-	-	-	6
7	50	3		SPARE	0.0	0.0		SPARE	30	3	8
9	-	-	-	-				-	-	-	10
11	-	-	-	-				-	-	-	12
13	-	-	-	SPACE	0.0	0.0		SPACE	-	-	14
15	-	-	-	SPACE				SPACE	-	-	16
17	-	-	-	SPACE				SPACE	-	-	18
19	-	-	-	SPACE	0.0	0.0		SPACE	-	-	20
21	-	-	-	SPACE				SPACE	-	-	22
23	-	-	-	SPACE				SPACE	-	-	24
25	-	-	-	SPACE	0.0	0.0		SPACE	-	-	26
27	-	-	-	SPACE				SPACE	-	-	28
29	-	-	-	SPACE				SPACE	-	-	30
TOTAL					7.3	7.3	7.3				

PANEL HC				LOCATION: ELECTRICAL ROOM	LUG LOCATION: BOTTOM FEED			PANELBOARD SCRR RATING (A): 25,000			
VOLT: 480Y/277V, 3Ø, 4W				MAIN BUS: 400A MAIN BREAKER							
BUS: 400A				SURFACE							
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	CIRCUIT NO.	
					A	B	C				
1	20	3		RTU-MO-03	3.3	3.3		RTU-MO-05	20	3	2
3	-	-	-	-				-	-	-	4
5	-	-	-	-				-	-	-	6
7	20	3		RTU-MO-04	3.3	2.8	3.3	3.3	15	3	8
9	-	-	-	-				-	-	-	10
11	-	-	-	-				-	-	-	12
13	150	3		AC-MO-10	30.9	0.0		SPARE	20	3	14
15	-	-	-	-				-	-	-	16
17	-	-	-	-				-	-	-	18
19	20	3		SPARE	0.0	0.0		SPARE	30	3	20
21	-	-	-	-				-	-	-	22
23	-	-	-	-				-	-	-	24
25	50	3		SPARE	0.0	0.0		SPARE	110	3	26
27	-	-	-	-				-	-	-	28
29	-	-	-	-				-	-	-	30
TOTAL					43.7	43.7	43.7				

PANEL PM				LOCATION: ELECTRICAL ROOM	LUG LOCATION: BOTTOM FEED			PANELBOARD SCRR RATING (A): 25,000			
VOLT: 480Y/277V, 3Ø, 4W				MAIN BUS: 400A MAIN BREAKER							
BUS: 400A				SURFACE							
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	CIRCUIT NO.	
					A	B	C				
1	100	3		EXISTING LOAD	0.0	0.0		EXISTING LOAD	70	3	2
3	-	-	-	-				-	-	-	4
5	-	-	-	-				-	-	-	6
7	100	3		EXISTING LOAD	0.0	0.0	0.0	EXISTING LOAD	40	3	8
9	-	-	-	-				-	-	-	10
11	-	-	-	-				-	-	-	12
13	20	3		EXISTING LOAD	0.0	0.0	0.0	EXISTING LOAD	20	3	14
15	-	-	-	-				-	-	-	16
17	-	-	-	-				-	-	-	18
19	20	3		EXISTING LOAD	0.0	0.0	0.0	EXISTING LOAD	40	3	20
21	-	-	-	-				-	-	-	22
23	-	-	-	-				-	-	-	24
25	90	3		EXISTING LOAD	0.0	0.0		EXISTING LOAD	60	3	26
27	-	-	-	-				-	-	-	28
29	-	-	-	-				-	-	-	30
31	50	3		AC-MO-07	10.6	13.4		AC-MO-09	70	3	32
33	-	-	-	-				-	-	-	34
35	-	-	-	-				-	-	-	36
37	35	3		AC-MO-08	6.6	0.0		SPARE	50	3	38
39	-	-	-	-				-	-	-	40
41	-	-	-	-				-	-	-	42
TOTAL					30.6	30.6	30.6				

PANEL PAA - SEC. 2				LOCATION: ELECTRICAL ROOM	LUG LOCATION: BOTTOM FEED			PANELBOARD SCRR RATING (A): 10,000			
VOLT: 208Y/120V, 3Ø, 4W				MAIN BUS: 600A			MAIN LUGS ONLY SURFACE				
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	CIRCUIT NO.	
					A	B	C				
1	150	3		EXISTING LOAD	0.0	0.0		EXISTING LOAD	30	3	2
3	-	-	-	-				-	-	-	4
5	-	-	-	-				-	-	-	6
7	20	1		EXISTING LOAD	0.0	0.0	0.0	EXISTING LOAD	30	3	8
9	20	1		EXISTING LOAD				-	-	-	10
11	20	1		EXISTING LOAD				-	-	-	12
13	20	1		EXISTING LOAD	0.0	0.0	0.0	EXISTING LOAD	30	3	14
15	20	1		EXISTING LOAD				-	-	-	16
17	20	1		EXISTING LOAD				-	-	-	18
19	20	1		EXISTING LOAD	0.0	0.0		EXISTING LOAD	30	2	20
21	20	1		EXISTING LOAD				-	-	-	22
23	20	1		EXISTING LOAD	0.0	0.0	0.0	EXISTING LOAD	30	2	24
25	30	3		EXISTING LOAD				-	-	-	26
27	-	-	-	-				-	-	-	28
29	-	-	-	-				-	-	-	30
31	30	2		EXISTING LOAD	0.0	1.0		CH-MO-13	15	2	30
33	-	-	-	-				-	-	-	32
35	20	1		EXISTING LOAD				-	-	-	34
37	20	1		EXISTING LOAD	0.0	1.0		CH-MO-14	15	2	34
39	30	2		EXISTING LOAD				-	-	-	36
41	-	-	-	-				-	-	-	38
43	15	2		CH-MO-01	1.0	1.0		CH-MO-15	15	2	38
45	-	-	-	-				-	-	-	40
47	15	2		CH-MO-02			1.0	CH-MO-16	15	2	42
49	-	-	-	-	1.0	0.0		CH-MO-04	15	2	46
51	15	2		CH-MO-03			1.0	SPARE	20	1	50
53	-	-	-	-			1.0	SPARE	20	1	52
TOTAL					5.0	5.0	6.0				

PANEL PD - SEC. 2				LOCATION: ELECTRICAL ROOM	LUG LOCATION: BOTTOM FEED			PANELBOARD SCRR RATING (A): 10,000			
VOLT: 208Y/120V, 3Ø, 4W				MAIN BUS: 400A			MAIN LUGS ONLY SURFACE				
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	CIRCUIT NO.	
					A	B	C				
1	20	1		EXISTING LOAD	0.0	0.0		EXISTING LOAD	30	3	2
3	20	1		EXISTING LOAD				-	-	-	4
5	20	1		EXISTING LOAD				-	-	-	6
7	20	1		EXISTING LOAD	0.0	0.0	0.0	EXISTING LOAD	30	3	8
9	20	1		EXISTING LOAD				-	-	-	10
11	20	1		EXISTING LOAD				-	-	-	12
13	20	1		EXISTING LOAD	0.0	0.0		EXISTING LOAD	30	1	14
15	20	1		EXISTING LOAD				-	-	-	16
17	20	1		EXISTING LOAD				-	-	-	18
19	20	1		EXISTING LOAD	0.0	0.0	0.0	EXISTING LOAD	20	1	20
21	20	1		EXISTING LOAD				-	-	-	22
23	20	1		EXISTING LOAD							



Natchez-Adams School District ESSER 3

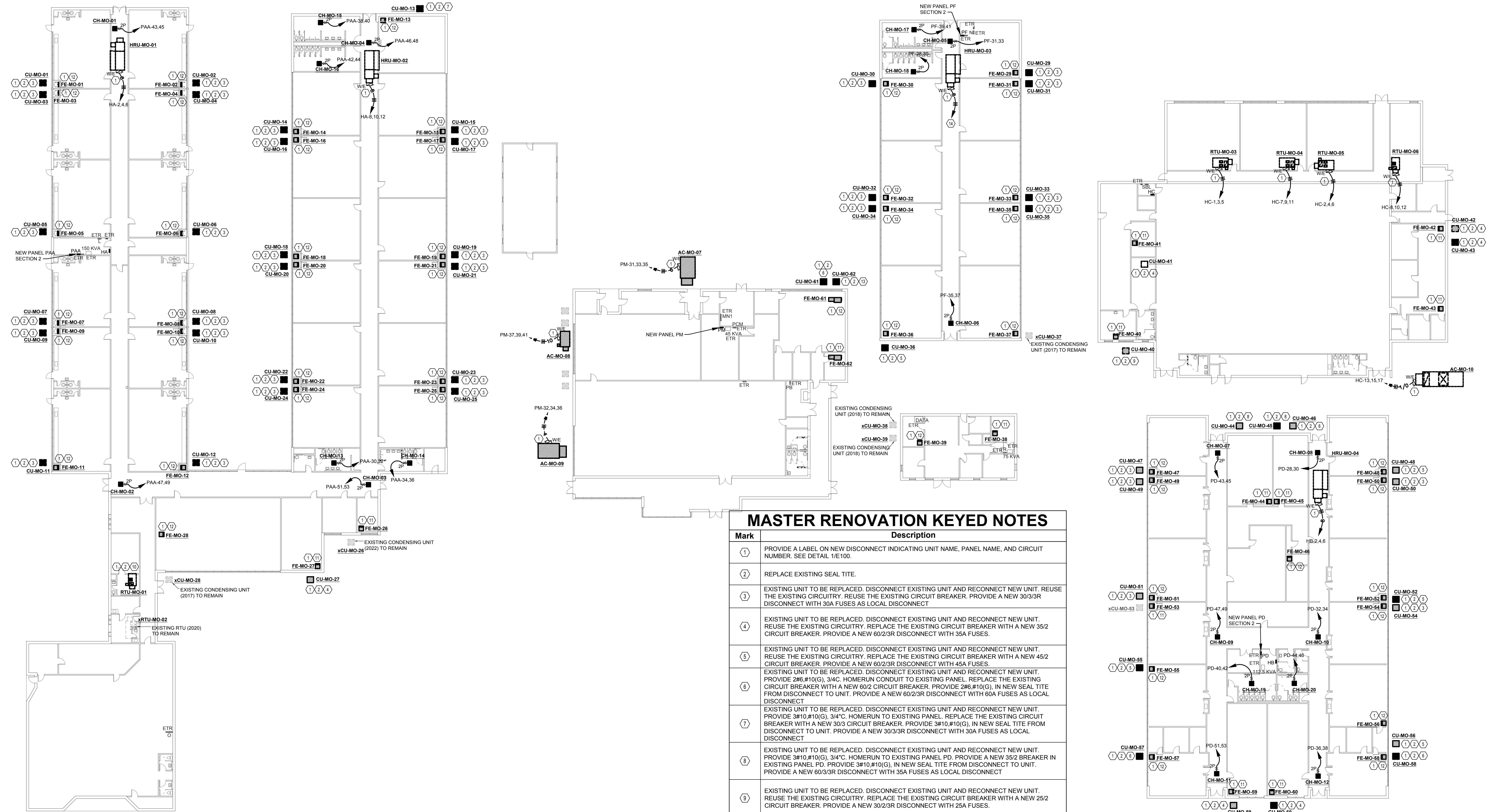
10 Homochitto St. Natchez, MS 39120

100%
Construction Documents

Project No 21052
Date 11/11/2022
Drawn HBS
Checked CLG
Revision # Date

Morgantown Elementary
E201
OVERALL ELECTRICAL RENOVATION PLAN

11/10/2022 1:23:27 PM
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MASTER RENOVATION KEYED NOTES

Mark	Description
①	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 1/E100.
②	REPLACE EXISTING SEAL TITE.
③	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT.
④	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3/R DISCONNECT WITH 35A FUSES.
⑤	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 45/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3/R DISCONNECT WITH 45A FUSES.
⑥	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#6 #10(G), 3/4" HOMERUN TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 60/2 CIRCUIT BREAKER. PROVIDE 2#6 #10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 60/2/3/R DISCONNECT WITH 60A FUSES AS LOCAL DISCONNECT.
⑦	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10 #10(G), 3/4" HOMERUN TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. PROVIDE 3#10 #10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 30/3/3/R DISCONNECT WITH 30A FUSES AS LOCAL DISCONNECT.
⑧	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 25/2 CIRCUIT BREAKER. PROVIDE A NEW 30/2/3/R DISCONNECT WITH 25A FUSES.
⑨	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. LOCAL DISCONNECT PROVIDED WITH EQUIPMENT.
⑩	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑪	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#10 #10(G) IN EXISTING HOMERUN TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/1 CIRCUIT BREAKER. PROVIDE 2#10 #10(G), IN FLEXIBLE CONDUIT TO LOCAL DISCONNECT. PROVIDE A NEW 30/1/1 DISCONNECT AS LOCAL DISCONNECT.
⑫	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3/R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT.
⑬	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3/R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT.
⑭	PROVIDE A NEW 45/3 BREAKER IN EXISTING PANEL "N".

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.

MORGANTOWN ELEMENTARY - OVERALL ELECTRICAL RENOVATION PLAN
Scale: 1" = 20'-0"

DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

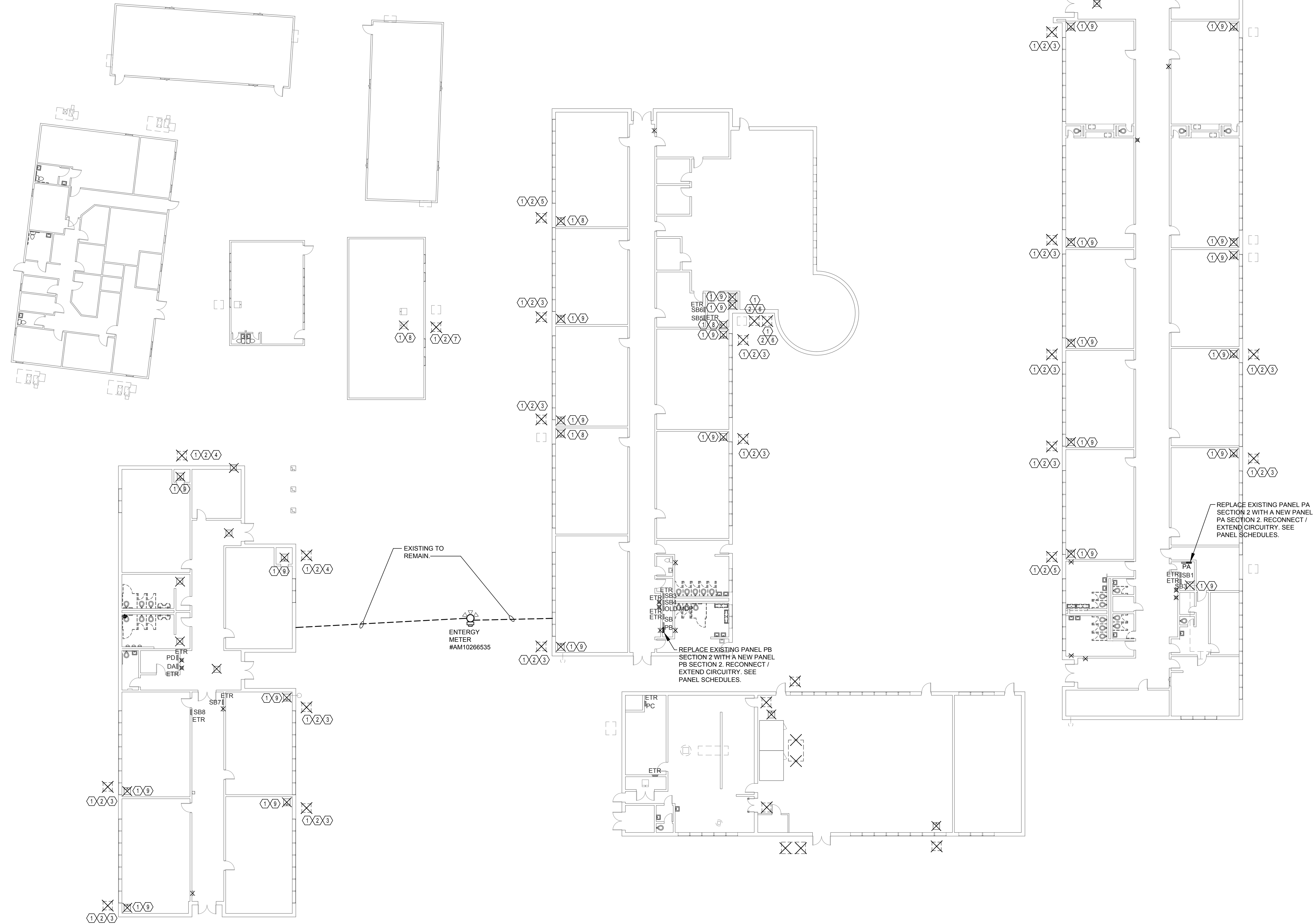
DEMOLITION LEGEND

- RL# EXISTING DEVICE TO BE RELOCATED. NUMBER INDICATES RELOCATED DEVICE. SEE POWER/LIGHTING PLANS FOR NEW DEVICE LOCATIONS
- X EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
- ETR EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.

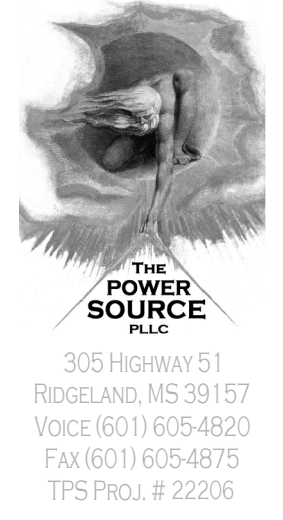
MASTER DEMOLITION KEYED NOTES

Mark	Description
①	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 1E100.
②	REPLACE EXISTING SEAL TITE.
③	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT AS LOCAL DISCONNECT. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT.
④	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 30/3/3R DISCONNECT AS LOCAL DISCONNECT.
⑤	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT.
⑥	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/3 CIRCUIT BREAKER. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 60/3/3R DISCONNECT AS LOCAL DISCONNECT.
⑦	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3R DISCONNECT WITH 35A FUSES.
⑧	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
⑨	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#10,#10(G) IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/1 CIRCUIT BREAKER. PROVIDE 2#10, #10(G), IN FLEXIBLE CONDUIT TO LOCAL DISCONNECT. PROVIDE A NEW 30/1/1 DISCONNECT AS LOCAL DISCONNECT.

NOTE:
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1 ED300 SUSIE B WEST ELEMENTARY - OVERALL DEMOLITION - UPPER LEVEL
Scale: 1/16" = 1'-0"



DALE BAILEY
AN ASSOCIATION

Architects
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188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
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Biloxi, MS 39530
p 228.374.1409
dalebaileyplans.com



Natchez-Adams School District ESSER 3
10 Homochitto St. Natchez, MS 39120

100%
Construction Documents
Project No 21052
Date 11/11/2022
Drawn HBS
Checked CLG
Revision # Date

Susie B. West Elementary
ED300
OVERALL ELECTRICAL
DEMOLITION PLAN
FIRST FLOOR

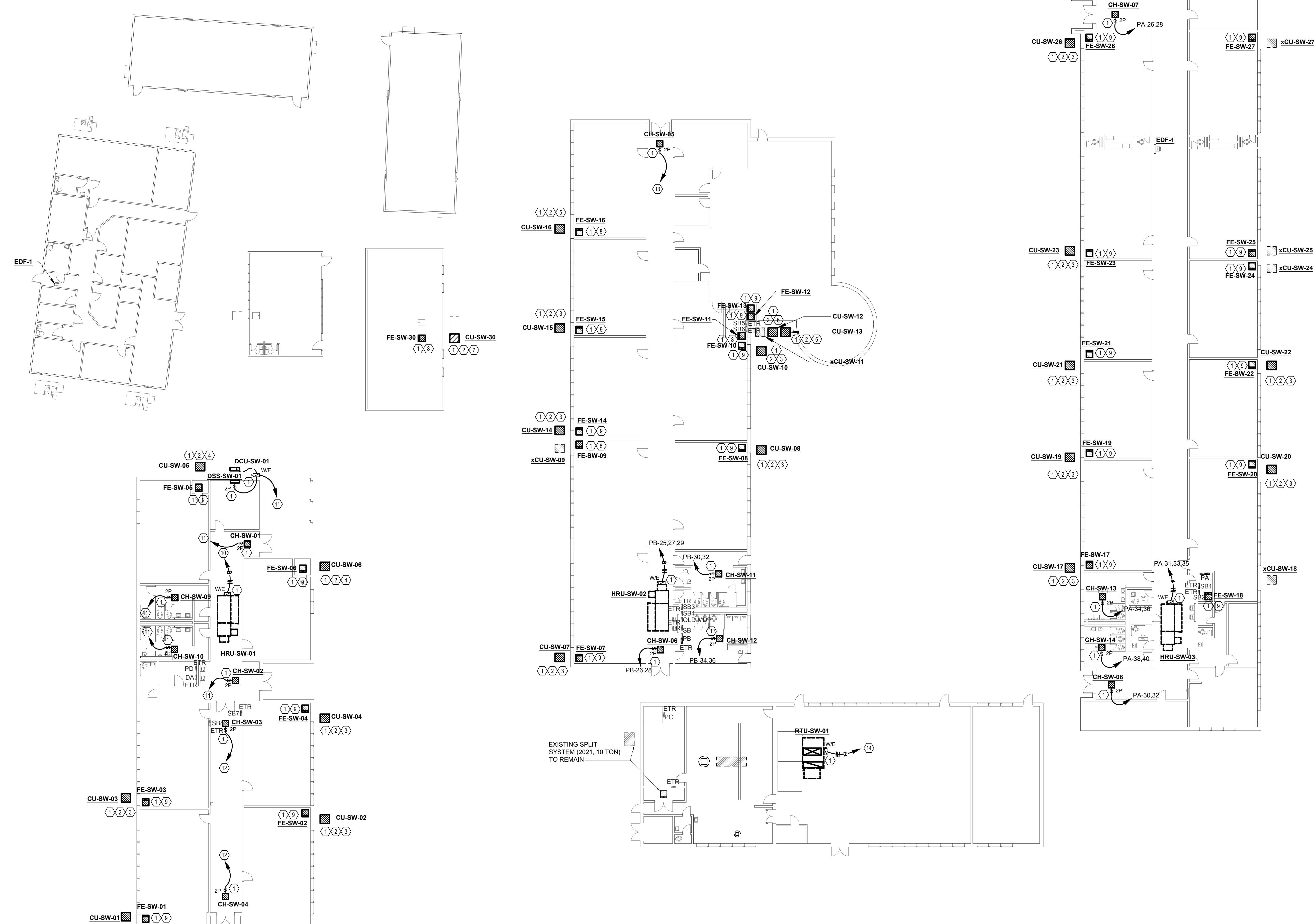
MASTER RENOVATION KEYED NOTES

Mark	Description
1	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 1/E100.
2	REPLACE EXISTING SEAL TITE.
3	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT AS LOCAL DISCONNECT. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT.
4	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/3 CIRCUIT BREAKER. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 30/3/3R DISCONNECT AS LOCAL DISCONNECT.
5	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. PROVIDE A NEW 30/3/3R DISCONNECT WITH 25A FUSES AS LOCAL DISCONNECT. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT.
6	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 3#10,#10(G), IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/3 CIRCUIT BREAKER. PROVIDE 3#10,#10(G), IN NEW SEAL TITE FROM DISCONNECT TO UNIT. PROVIDE A NEW 60/3/3R DISCONNECT AS LOCAL DISCONNECT.
7	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 35/2 CIRCUIT BREAKER. PROVIDE A NEW 60/2/3R DISCONNECT WITH 35A FUSES.
8	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REUSE THE EXISTING CIRCUITRY. REUSE THE EXISTING CIRCUIT BREAKER. REUSE THE EXISTING LOCAL DISCONNECT.
9	EXISTING UNIT TO BE REPLACED. DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE 2#10,#10(G) IN EXISTING HOMERUN CONDUIT TO EXISTING PANEL. REPLACE THE EXISTING CIRCUIT BREAKER WITH A NEW 30/1 CIRCUIT BREAKER. PROVIDE 2#10, #10(G), IN FLEXIBLE CONDUIT TO LOCAL DISCONNECT. PROVIDE A NEW 30/1/1 DISCONNECT AS LOCAL DISCONNECT.
10	PROVIDE A NEW 45/3 CIRCUIT BREAKER IN EXISTING PANEL PD.
11	PROVIDE A NEW 15/2 CIRCUIT BREAKER IN EXISTING PANEL PD.
12	PROVIDE A NEW 15/2 CIRCUIT BREAKER IN EXISTING PANEL SB7.
13	PROVIDE A NEW 15/2 CIRCUIT BREAKER IN EXISTING PANEL SB5.
14	PROVIDE A NEW 110/3 CIRCUIT BREAKER IN EXISTING PANEL PC. SPACE FOR THE NEW CIRCUIT BREAKER WILL BE MADE AVAILABLE THROUGH DEMOLITION.

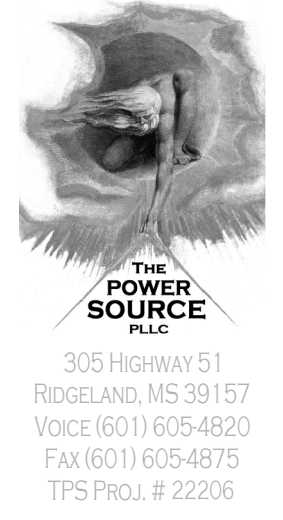
NOTE:
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PANEL		LOCATION		ELECTRICAL ROOM		LUG LOCATION		BOTTOM FEED		PANELBOARD SCRR RATING (A)		22,000	
PA - SEC. 2		BUS:		208Y/120V, 3Ø, 4W		MAIN BUS:		MAIN LUGS ONLY SURFACE		22,000		22,000	
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE	LOAD (KVA)	A	B	C	DESCRIPTION	BREAKER	AMPS	POLES
1	30	3	-	EXISTING LOAD	-	0.0	0.0	0.0	0.0	EXISTING LOAD	30	3	2
3	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-
7	30	3	-	EXISTING LOAD	-	0.0	0.0	0.0	0.0	EXISTING LOAD	20	1	8
9	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
13	30	3	-	EXISTING LOAD	-	0.0	0.0	0.0	0.0	EXISTING LOAD	20	1	10
15	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
19	30	3	-	EXISTING LOAD	-	0.0	0.0	0.0	0.0	EXISTING LOAD	20	1	14
21	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	30	3	-	EXISTING LOAD	-	0.0	1.0	0.0	0.0	EXISTING LOAD	20	1	24
27	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
31	90	3	-	HRU-SW-03	-	6.1	1.0	0.0	1.0	CH-SW-08	15	2	30
33	-	-	-	-	-	-	-	-	-	CH-SW-13	15	2	34
35	-	-	-	-	-	-	-	-	-	CH-SW-07	15	2	36
37	30	3	-	SPARE	-	0.0	1.0	0.0	1.0	CH-SW-14	15	2	38
39	-	-	-	-	-	-	-	-	-	SPARE	15	2	40
41	-	-	-	-	-	-	-	-	-	SPARE	15	2	42
43	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	15	2	44
45	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	15	2	46
47	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	20	1	48
49	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	20	1	50
51	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	20	1	52
53	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	20	1	54
TOTAL						9.1	9.1	0.0	8.1				

PANEL		LOCATION		ELECTRICAL ROOM		LUG LOCATION		BOTTOM FEED		PANELBOARD SCRR RATING (A)		22,000	
PB - SEC. 2		BUS:		208Y/120V, 3Ø, 4W		MAIN BUS:		MAIN LUGS ONLY SURFACE		22,000		22,000	
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE	LOAD (KVA)	A	B	C	DESCRIPTION	BREAKER	AMPS	POLES
1	30	3	-	EXISTING LOAD	-	0.0	0.0	0.0	0.0	EXISTING LOAD	30	3	2
3	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-
7	30	3	-	EXISTING LOAD	-	0.0	0.0	0.0	0.0	EXISTING LOAD	30	3	8
9	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
13	30	3	-	EXISTING LOAD	-	0.0	0.0	0.0	0.0	EXISTING LOAD	20	1	12
15	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
19	30	3	-	EXISTING LOAD	-	0.0	0.0	0.0	0.0	EXISTING LOAD	20	1	20
21	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
25	50	3	-	HRU-SW-02	-	4.0	1.0	0.0	0.0	CH-SW-06	15	2	26
27	-	-	-	-	-	-	-	-	-	CH-SW-11	15	2	30
29	-	-	-	-	-	-	-	-	-	CH-SW-12	15	2	34
31	50	3	-	SPARE	-	0.0	1.0	0.0	1.0	CH-SW-11	15	2	30
33	-	-	-	-	-	-	-	-	-	CH-SW-12	15	2	34
35	-	-	-	-	-	-	-	-	-	SPARE	15	2	36
37	30	3	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	15	2	38
39	-	-	-	-	-	-	-	-	-	SPARE	15	2	40
41	-	-	-	-	-	-	-	-	-	SPARE	15	2	42
43	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	15	2	44
45	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	15	2	46
47	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	20	1	48
49	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	20	1	50
51	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	20	1	52
53	20	1	-	SPARE	-	0.0	0.0	0.0	0.0	SPARE	20	1	54
TOTAL						6.0	6.0	0.0	6.0				



1 SUSIE B WEST ELEMENTARY - OVERALL RENOVATION - UPPER LEVEL
E300 Scale: 1/16" = 1'-0"



DALE BAILEY
AN ASSOCIATION

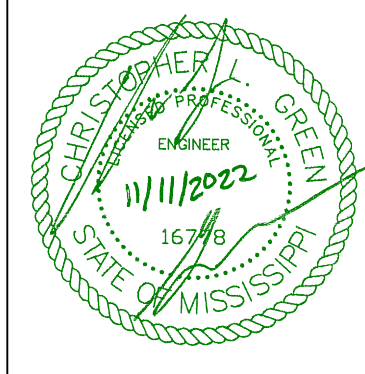
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Natchez-Adams School District ESSER 3

10 Homochitto St. Natchez, MS 39120

100%
Construction Documents

Project No 21052
Date 11/11/2022
Drawn HBS
Checked CLG
Revision # Date

Susie B. West Elementary
E300
OVERALL ELECTRICAL RENOVATION PLAN FIRST FLOOR