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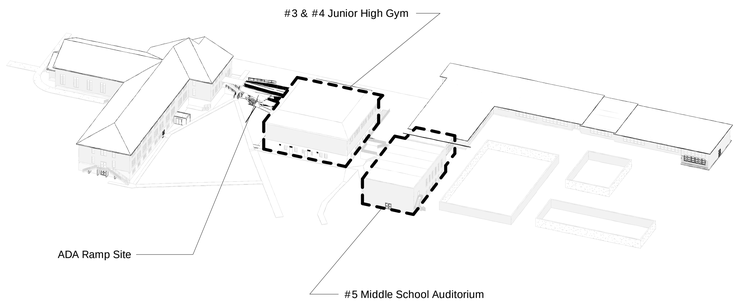
AN ASSOCIATION

Mississippi



Pontotoc City Schools
ESSR 2&3

PCS: 140 Educational Dr., Pontotoc, MS 38863

DBA PN: 21064

Construction Documents
11/05/2021

Owner	**Pontotoc City Schools**
Architect	**Dale Bailey, an Association**
Structural	**Structural Design Group**
Mechanical	**GSK Mechanical, Inc.**
Electrical	**The Power Source, PLLC**
Civil	**Engineering Systems, Inc.**

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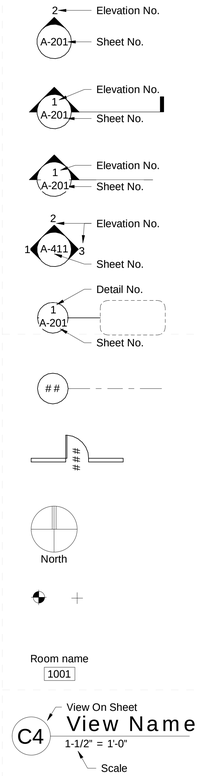
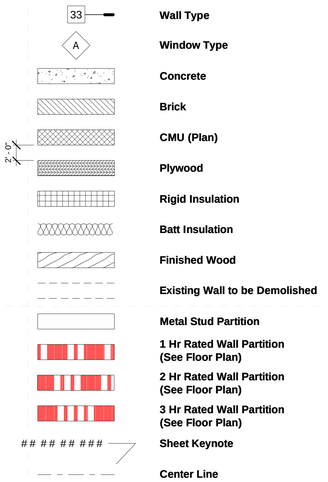
Graphic Symbols





Project Directory

Project Information

Name: Pontotoc City Schools ESSR 2&3
Project #: 21064
Address: 140 Educational Dr., Pontotoc, MS 38863

Client

Ponotoc City Schools
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Pontotoc, MS 38863
(662) 489-3336
Contact: Wally Windham,
Director of Transportation and Maintenance

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Contact: Sean Thorndike
(seant@sdg-structure.com)

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Electrical

The Power Source, PLLC.
945 Madison Ave, Madison, MS 39110
Contact: Freddie Borganelli
(fborganelli@thepowersource.us)

General Project Notes

Project Coordination

1. Mechincal work within ESSR funding shall take place along side this project under a different contract. All work shall be coordinated with that contractor and work shall be scheduled in accordance with this coordination.
2. Examples of work to be coordianted:
   A. Demolition for ceilings shall be performed inaccordnance with this contract, while demolition of mechanical in same space shall be performed under separate contract
   B. New ceilings under this contract shall not be installed until and after new mechacnical has been installed in same space by separate contractor.
3. The engineer over this mechanical work is:

   CMTA, Inc.
   8801 J M Keynes Dr Suite 240, Charlotte, NC 28262
   (704) 376-7072
   Contact: Matt Wade
   (MWade@cmta.com)

Project Alternates

1. None

Project Phasing Requirements

1. N/A

Energy Code Requirements

1. IBC **2021** Energy Code is the mandatory energy code standard for this project.
2. All mechanical and electrical building system installed should meet all requirements of the energy code.

Thermal Envelope Requirements

1. Roofs = R-20 ci (insulation entirely above deck)
2. Walls = R-7.6ci (mass walls)
3. Walls = R-13 + R-7.5ci (metal framed walls)
4. Below Grade Walls = no requirement
5. Slab on Grade = no requirement

Fenestration Requirements (U-factor)

1. Fixed = U-Factor 0.46
2. Operable = U-Factor 0.60
3. Entrances = U-Factor 0.77
4. SHGC = U-Factor 0.25

General Information

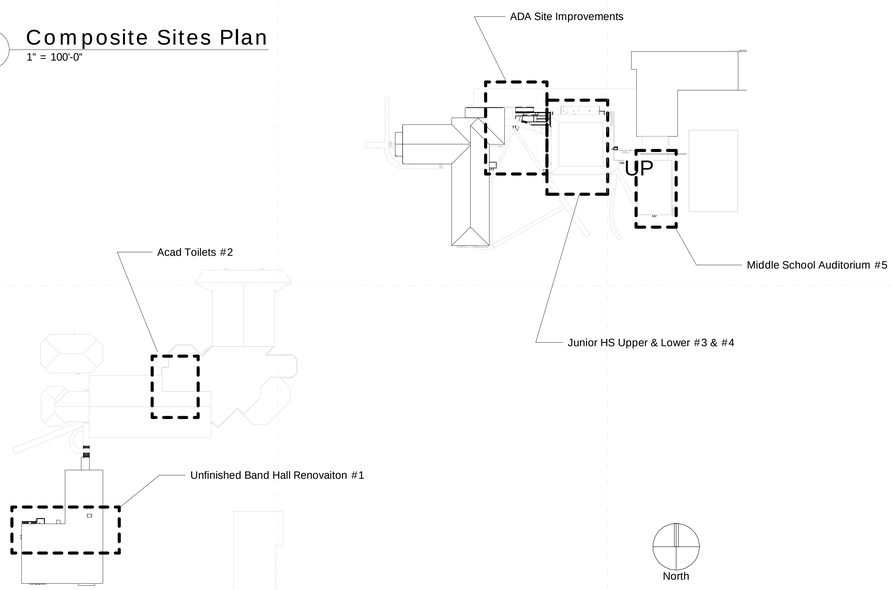
1. Do not scale drawings. If dimensions are in question, the contractor shall be responsible for obtaining clarification from the architect before continuing with the construction
2. Contractors shall verify, on the site, all dimensions and equipment locations, and notify architect promptly in writing of any discrepancies
3. Contractors shall be responsible to determine the on site conditions and perform all necessary work to complete the project
4. Contractors shall maintain safe methods of egress for occupied buildings and in site area during construction
5. All casework dimensions shall be field verified before unit fabrication or installation
6. Dimensions, notes, finishes, and fixtures shown on typical floor plans shall apply to similar, symmetrical, or opposite hand plans, sections, or details
7. 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
8. Partitions are dimensioned from finish face U.N.O. Dimensions to masonry are to actual finish face U.N.O.
9. Owner to have right of refusal for all materials, furniture, fixtures and good within the limits of the construction contract.

General Abbreviations

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

1 Composite Sites Plan

1" = 100'-0"



Drawing Index

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Not For Construction

Pontotoc City Schools ESSR 2&3

PCS: 140 Educational Dr., Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/05/2021

Revisions	Rev Date
SD	09/14/2021
DD	09/22/2021
CD	11/05/2021

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Index & General Project Information

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STRUCTURAL NOTES

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

DESIGN CRITERIA

1. Building Code: 2018 International Building Code and ASCE 7-16 (except Chapter 14)

   1.1. Building Risk Category: III

2. Design Loads

   2.1. Uniform Floor Live Load: 100 psf

3. Structural Engineer is not responsible for the design of steel stairs, handrails, curtain wall/window wall systems, cold-formed steel framing, or other systems not shown in the Structural Documents. Such systems shall be designed, furnished, and installed as required by other portions of the Construction Documents.

GENERAL

1. 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.

2. Material, workmanship, and design shall conform to the referenced Building Code.

3. For dimensions not shown in the Structural Drawings, see the Architectural Drawings.

4. Contractor responsibilities include, but are not limited to, the following:

   4.1 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.

   4.2 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.

   4.3 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.

   4.4 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.

5. Existing and Unforeseen Conditions

   5.1 Contractor shall field verify all existing conditions, elevations, and site conditions prior to construction and fabrication. Contractor shall immediately notify Structural Engineer of any existing conditions that are in conflict with the Structural Documents.

   5.2 Shop drawing submittals shall be based on field verified dimensions and conditions only. Contractor shall clearly show actual field dimensions on shop drawings.

SUBMITTALS

1. Shop Drawings and Submittals

   1.1 Reproduction of Structural Drawings for shop drawings is not permitted.

   1.2 Electronic drawing files will not be provided to the Contractor.

   1.3 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.

2. Submittals

   2.1 The Structural Quality Assurance Plan and 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.

3. Deferred Submittals

   3.1 Deferred Submittals include those portions of the project that are furnished by the Contractor and designed by someone other than the Engineer of Record and are submitted at the time of the application. Deferred Submittals shall be submitted to the Building Official prior to fabrication and installation.

   3.2 Submittal documents for Deferred Submittals:

      3.2.1 Shall be included in the Contractor's scope of services and shall be sealed by an Engineer licensed in the project state. Design of Deferred Submittals shall be in accordance with the governing Building Code indicated above.

      3.2.2 Shall be submitted to the registered design professional in responsible charge who shall review them and forward to the Building Official with a notation indicating the deferred submittal documents have been reviewed and that they have been found in general conformance with the design of the building. Deferred submittal items shall not be installed until the design and submittal documents have been approved by the Building Official.

   3.3 The following shall be considered Deferred Submittals
   Geotechnical Investigation
   Temporary/Permanent Shoring and Underpinning
   Steel Connections - See "Structural Steel" Section
   Steel Stairs and Handrails

FOUNDATION

1. A geotechnical investigation has not been performed. The Contractor shall be responsible for contracting a geotechnical engineer to provide site preparation recommendations and verification of the allowable bearing capacity for all new foundations and slabs-on-ground .

2. Soil Bearing Capacity required: 2,500 psf

REINFORCEMENT

1. Reinforcing Bars: ASTM A615, Grade 60

   1.1 Reinforcing bars are not to be welded.

2. Welded Wire Reinforcement (WWR): ASTM A1064, 8" minimum side and end laps

3. Reinforcement Placement (UNO)

   3.1 Concrete Reinforcement Cover

Below Grade:	Unformed	3" clear
	Formed	2" clear
Walls		3/4" clear
Slabs		3/4" clear
Exterior Concrete:		
Walls		1 1/2" clear
Slabs:	Top	1 1/2" clear
	Bottom	1" clear

   3.2 Masonry reinforcing steel: Place in the center of CMU cells, unless otherwise noted in drawings.

4. Reinforcement Splices

   4.1 Reinforcement marked "Continuous" can be spliced at locations determined by Contractor. All other reinforcement shall be spliced only at locations shown or noted, unless approved in writing by Structural Engineer.

   4.2 Splice Lengths - Class B Tension Lap (UNO)

CAST-IN-PLACE CONCRETE

1. Concrete Properties

   1.1 Normal Weight Structural Concrete

	28-Day, f'c (min.)	w/cm Ratio (max.)	Entrained Air
Footings (Isolated / Continuous)	3,500 psi	----	None Required
Retaining Walls	5,000 psi	0.40	6.0 +/- 1.5%
Ramp Slabs and Slabs-on-ground	5,000 psi	0.40	6.0 +/- 1.5%

   Note: All concrete shall be assigned the exposure classes FO, SO, WO, and CO, except concrete in Aggressive Environment shall be assigned the exposure classes F3, S3, W1, and C2 (see ACI 318).

2. Construction Joint Locations: No horizontal construction joints are permitted except as shown on the Structural Drawings. Obtain written consent for additional joints.

3. Pipes or ducts shall not exceed one-third the slab or wall thickness unless specifically detailed. See mechanical and electrical drawings for location of sleeves, accessories, etc.

   3.1 Conduit shall not be placed within the slab-on-ground. Conduit shall be installed below the slab-on-ground within the granular subbase.

   3.2 Do not install conduits, pipes, ducts, or sleeves in cast-in-place concrete columns unless approved in writing by licensed design professional.

4. Special Finishes: Refer to Architectural Drawings for molds, grooves, ornaments, clips or grounds required to be encased in concrete and for location of floor finishes and slab depressions.

5. Defect Repair: Honey-combing, spalls, cracks, etc. shall be repaired. Extent of defective area to be determined by the Structural Engineer.

6. Curing

   6.1 Begin curing procedures immediately following commencement of the finishing operation.

   6.2 Concrete shall be moist cured in accordance with ACI 308. See Specification for additional information.

NON-SHRINK GROUTING

1. Non-shrink grout under steel base plates shall be non-metallic with minimum compressive strength of 5000 psi at 28 days.

2. Non-shrink grout used for patching, repair, and other specific applications shall be submitted for review and approval by engineer.

STRUCTURAL STEEL

1. Steel Shapes

   1.1 W-Shapes: ASTM A992 (Grade 50)

   1.2 Angles, Channels, Plates, UNO: ASTM A36

   1.3 Square/Rectangular/Round Hollow Structural Sections (HSS): ASTM A500, Grade B

   1.4 Pipe Structural Sections: ASTM A53, Grade B

2. Anchor Rods, Bolts, and Studs

   2.1 Anchor Rods: ASTM F1554, Grade 36. Headed Rods or threaded rods with plate washer and heavy hex nut.

   2.2 Bolts: 3/4" Diameter A325 minimum. All connections may be bearing type, UNO. Design bearing type connections for load values with threads included in the shear plane. Submit proposed bolt tightening procedure for review.

3. Structural steel shall be fabricated and erected according to the "Specification for Structural Steel Buildings" referenced in the referenced Building Code.

4. Connections shall be detailed based on the design information provided in the Structural Documents.

   4.1 Standard Shear Connections: Detail as bolted or welded double-angle, single-plate, single-angle, or tee connections in accordance with the connection tables in the "Manual of Steel Construction" referenced in the referenced Building Code.

      4.1.1 Shear connections not defined in the AISC Manual shall be designed by an Engineer licensed in the project state. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by the Engineer.

   4.2 Welded Connections: Prequalified welded joints in accordance with AISC and the Structural Welding Code of the American Welding Society; "Non-prequalified joints" shall be qualified prior to fabrication.

   4.3 Factored Design Forces/Reactions: As shown on the Structural Drawings or, if not shown, the factored design reaction shall be half of the "Maximum Total Uniform Load (LRFD)" tabulated in the "Manual of Steel Construction" referenced in the referenced Building Code.

5. Shop Drawings: Submittal shall adequately depict structural members and connections.

6. 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.

7. Galvanizing

   7.1 Galvanize environmentally exposed steel.

   7.2 Galvanized members shall have proper treatment performed to accept paint.

   7.3 Touch-up welds and abrasions in galvanized members in accordance with ASTM A780

POST-INSTALLED ANCHORS

1. Post-installed anchors shall only be installed where indicated on the structural drawings, unless approved by engineer of record.

2. 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.

3. For Anchoring into Concrete

   3.1 Adhesive Anchors

      3.1.1 Adhesive anchors shall be installed in concrete having a minimum age of 21 days at time of anchor installation.

      3.1.2 Adhesive anchors identified in the drawings as installed in a horizontal or upwardly inclined orientation to resist sustained tensile loads shall be installed by certified installers.

      3.1.3 Adhesive for rebar shall have been tested in accordance with ACI 355.4 and ICC-ES AC308 for cracked concrete and seismic applications. Design bond strength has been based on CRACKED CONCRETE, ACI 355.4 temperature category B, and installations into dry holes drilled using a hammer drill into concrete that has cured for at least 21 days. Adhesive anchors shall be installed by a certified adhesive anchor installer per ACI 318-11 D.9.2.2 where INDICATED on the contract documents. Installations requiring certified installers shall be inspected per ACI 318.

      3.1.4 Adhesive conforming to Simpson AT-XP (IAPMO-UES ER-263), Simpson SET-XP (ICC-ES ESR-2508), DeWalt/Powers Pure110+ (ICC-ES ESR-3298), DeWalt AC200+ Adhesive (ICC-ES ESR-4027), Hilti HIT-HY 200 SAFE Set Fast Cure Adhesive (ICC-ES ESR-3187), Hilti HIT-RE 500 V3 Safe Set Adhesive (ICC-ES ESR-3814) . Minimum Embedment = 12 times anchor diameter, UNO.

4. 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.

STEEL DECK

1. Non-Composite Steel Form Roof Deck: Minimum of 24 gage, galvanized. Use a heavier gage if necessary to meet the following requirements:

   1.1 Stress shall not exceed 0.6 times the yield strength with a maximum of 36 ksi under the following load combinations:

      1.1.1 Weight of steel form deck, wet concrete and the following construction loads: 100 psf uniform load or 150 pound concentrated load on 1'-0" wide section of deck. Refer to SDI for manner in which these loads are to be applied.

   1.2 Deflections shall be based on the weight of wet concrete and the weight of steel form deck loaded on all spans and shall be limited to L/180 or 3/4", whichever is smaller.

2. Submit shop drawings with the manufacturer's catalog demonstrating compliance with the Contract Documents and the Steel Deck Institute.

DRAWING INDEX

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Pontotoc City Schools
PCS High School: 123 N Main St, Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/05/2021
Drawn	S.T.
Checked	T.C.
Revisions	Rev Date

Structural Design Group
Consulting Structural Engineers
220 Great Circle Road, Suite 106
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SDG Project No. 2021-289.00

S001
Structural Notes & Drawing Index

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STRUCTURAL QUALITY ASSURANCE PLAN

GENERAL

This Structural Quality Assurance Plan includes:

1. The Statement of Special Inspections which defines the scope of testing and inspection that is required for this project.
2. The responsibilities of the Contractor.
3. Structural Observations

Refer to other portions of the Construction Documents for Special Inspections required of architectural, mechanical, electrical, or other building components.

Special Inspector will be hired by the Owner.

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.

1. The following tables contain material, components and work that require special inspection or testing:
   a. 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.
   b. 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.
   c. See Steel section for additional information for inspection tasks.

SOILS	Inspection Frequency		Remarks
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	-	P	-
2. Verify excavations are extended to proper depth and have reached proper material.	-	P	Inspection is required after excavation is complete and prior to placement of structural fills.
3. Perform classification and testing of controlled fill materials.	-	P	Perform laboratory tests of field samples provided by contractor for verification of in place densities.
4. Verify use of proper materials, densities, and lift thickness during placement and compaction of controlled fill. a. As a minimum, perform one test per lift for every 1000 square feet of fill placed.	C	-	Refer to specification for lift thicknesses and compaction.
5. Prior to placement of controlled fill, observe subgrade and verify that the site has been prepared properly (e.g. proofrolling, etc.).	-	P	-

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. Inspection of reinforcing steel welding: a. Verify weldability of reinforcing steel other than ASTM A 706 b. Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement. c. Shear reinforcement. d. Other reinforcement.	- C C -	P - - P	ACI 318: 3.5.2 / AWS D1.4 / IBC Table 1705.2.2
3. Inspection of anchors cast in concrete. Verify compliance of the following: diameter, grade, type, length, number, placement, and embedment depth.	C	-	ACI 318: 1.3.2, 8.1.3, 21.1.8 / IBC 1908.5, 1909.1, AISC 360-10 N5.7
4. Inspection of post-installed mechanical anchors installed in hardened concrete members: verify anchor type, anchor dimensions, hole diameter and cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque.	C	-	ACI 318: 3.8.6, 8.1.3, 21.1.8 / IBC 1909.1 Use of post installed anchors must be approved by Structural Engineer
5. Inspection of post-installed reinforcing steel installed in hardened concrete members: Verify adhesive type, anchor rod dimensions, hole diameter and cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening toque.	C	-	ACI App. D9.2.4
6. Verify use of required design mix.	-	P	ACI 318: Ch. 4, 5.2 — 5.4, IBC 1904.2, 1910.2, 1910.3
7. Sampling fresh concrete from concrete discharge. Mold one set of specimens for compressive strength testing for each 75 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. a. 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. b. Remaining specimen(s) shall be broken as directed by the Structural Engineer if compressive strengths do not appear adequate. c. For each set molded, record: i. Slump ii. Air Content iii. Unit Weight iv. Temperature, ambient and concrete v. Batch and discharge times vi. Location and placement vii. Any pertinent information, such as addition of water, addition of admixtures, etc. d. 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 ACI 318: 5.6.1 Report in writing on the same day as tests are performed. Reports of compressive strength tests shall contain the project identification name and number, date of concrete placement, name of concrete testing agency, concrete design compressive strength, location of concrete placement in structure, concrete mix proportions and materials, compressive breaking strength and type of break.
8. Inspection of concrete conveying and placement for proper application techniques.	C	-	ACI 318: 5.9, 5.10
9. Inspection for maintenance of specified curing temperature and techniques.	-	P	ACI 318: 5.11 — 5.13
10. Inspection of formwork for shape, location, and dimensions of the concrete member being formed.	-	P	ACI 318: 6.1.1
11. Perform testing of floor Flatness and Levelness of concrete slab placements in accordance with ASTM E1155. See specification	-	P	ACI 117-10

NON-SHRINK GROUTING	Inspection Frequency		Remarks
1. Compressive strength tests per ASTM C1107. a. Number of Tests: One test for each ten bags of grout used or minimum of one test for each day of grouting. b. Cube Size: 2-inch x 2-inch c. Test Schedule: (1) cube at 3-days, (2) cubes at 7-days, (3) cubes at 28-days.	C	-	
2. Perform one performance evaluation test prior placing grout under base plates. Test shall be performed as outlined in ACI 351.1R-99	-	P	One test shall be performed at the beginning job prior to placement of grout under base plates.

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:	-	-	-
a. Structural steel	-	P	-
b. Weld filler material	-	P	-
3. Inspection of high strength Bolts	-	-	-
a. 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.	-	-	Review and verify compliance of written welding procedures with AWS requirements and that welding procedures are being adhered to during field welding.
a. Verify welder certification. Conduct welder's qualifications on site.	-	-	-
b. Plug and slot welds.	C	-	-
c. Single-pass fillet welds less than or equal to 5/16".	-	P	-

STEEL DECK	Inspection Frequency		Remarks
1. Material verification of steel deck. a. Identification markings to conform to ASTM standards specified in the approved construction documents b. Manufacturer's certified test reports.	-	P	-
2. Verify general alignment and deck lap.	-	P	-
3. Verify welds for size and pattern.	-	P	-
4. Inspection of welding at floor and roof deck	-	P	in accordance with AWS D1.3
5. Verify spacing and type of sidelap attachments.	-	P	-
6. Verify installation of deck closures.	-	P	-

CONTRACTOR RESPONSIBILITIES

1. Contractor shall submit to the Building Official, Owner, and the Architect a written statement of responsibility that contains the following:
   a. Acknowledgment of awareness of the special requirements contained in the Statement of Special Inspections for the main wind- or seismic force-resisting system or a wind- or seismic-resisting component listed in the statement of special inspections.
2. 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.
3. 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.
4. Contractor has the following responsibilities to the Special Inspector:
   a. Provide copy of Construction Documents to Special Inspector and latest addenda (include change orders and field orders prior to inspection of work contained therein).
   b. Notify Special Inspector sufficiently in advance of operations to allow assignment of personnel and scheduling of tests.
   c. Cooperate with Special Inspector and provide access to work.
   d. Provide samples of materials to be tested in required quantities.
   e. Provide storage space for Special Inspector's exclusive use, such as for storing and curing concrete testing samples.
   f. Provide labor to assist Special Inspector in performing tests/inspections.
5. Contractor shall perform the following:
   a. SOILS
      i. Hire Geotechnical Engineer to make site preparation recommendations for foundation construction
   b. CAST-IN-PLACE CONCRETE
      i. Submit manufacturer's certification that reinforcing materials comply with Construction Documents.
      j. Establish concrete mix design proportions in accordance with the specifications and ACI 318, Chapter 5.
      k. Submit manufacturer's certification that concrete materials meet the requirements of the Construction Documents.
      iv. Submit manufacturer's data for tension and compression splicers.
   c. NON-SHRINK GROUTING
      i. Submit product data sheets for non-shrink grout that shows compliance with the Construction Documents and with ASTM C1107 for fluid or flowable grouts, prior to placement of grout.
   d. STRUCTURAL STEEL
      i. If fabricator or erector is not AISC certified, the fabricator and/or erector shall establish and maintain *quality control* procedures and perform inspections to ensure that their work is performed in accordance with the Section N of the Specification for Structural Steel Building, AISC 360-10 and the *construction documents*. Payment of these Quality control tests and inspections, except for all NDT of welds completed in the field by the Special Inspector, shall be by the fabricator and Erector.
         1. Make available the documents listed in AISC 360-10 N3.2 in electronic or printed form for review by the EOR of the EOR's Designee prior to fabrication or erection unless otherwise required by the contract documents to be submitted.
      ii. All welds requiring non-destructive test (NDT) that are performed in the shop shall be tested in the shop. Provide NDT reports performed in shop by fabricator. Fabricator is responsible for cost of NDT performed in shop. Reports shall identify the tested weld by piece mark and location in the piece.
   e. POST-INSTALLED ANCHORS
      i. Contractor shall contact manufacturer's representative for product installation training. Submit a letter indicating that training has taken place.
   f. STEEL DECK
      i. Submit manufacturer's certificate of compliance that the supplied steel deck complies with the Construction Documents.

STRUCTURAL OBSERVATIONS

The visual inspection of the structural system by the registered design professional for general conformance to the Construction Documents will be provided in accordance with Chapter 17 of the Building Code. Structural Observations will be made prior to or during installation of foundations, slab-on-ground, and structural steel and the Structural Observation Reports will be submitted to the building official. At the conclusion of the project, the Structural Observer will submit to the building official a written statement that the site visits have been made and identify any reported deficiencies which, to the best of the structural observer's knowledge, have not been resolved.

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Pontotoc City Schools ESSER 2&3
PCS High School: 123 N Main St, Pontotoc, MS 38863

Construction Documents

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S002
Structural Quality Assurance Plan

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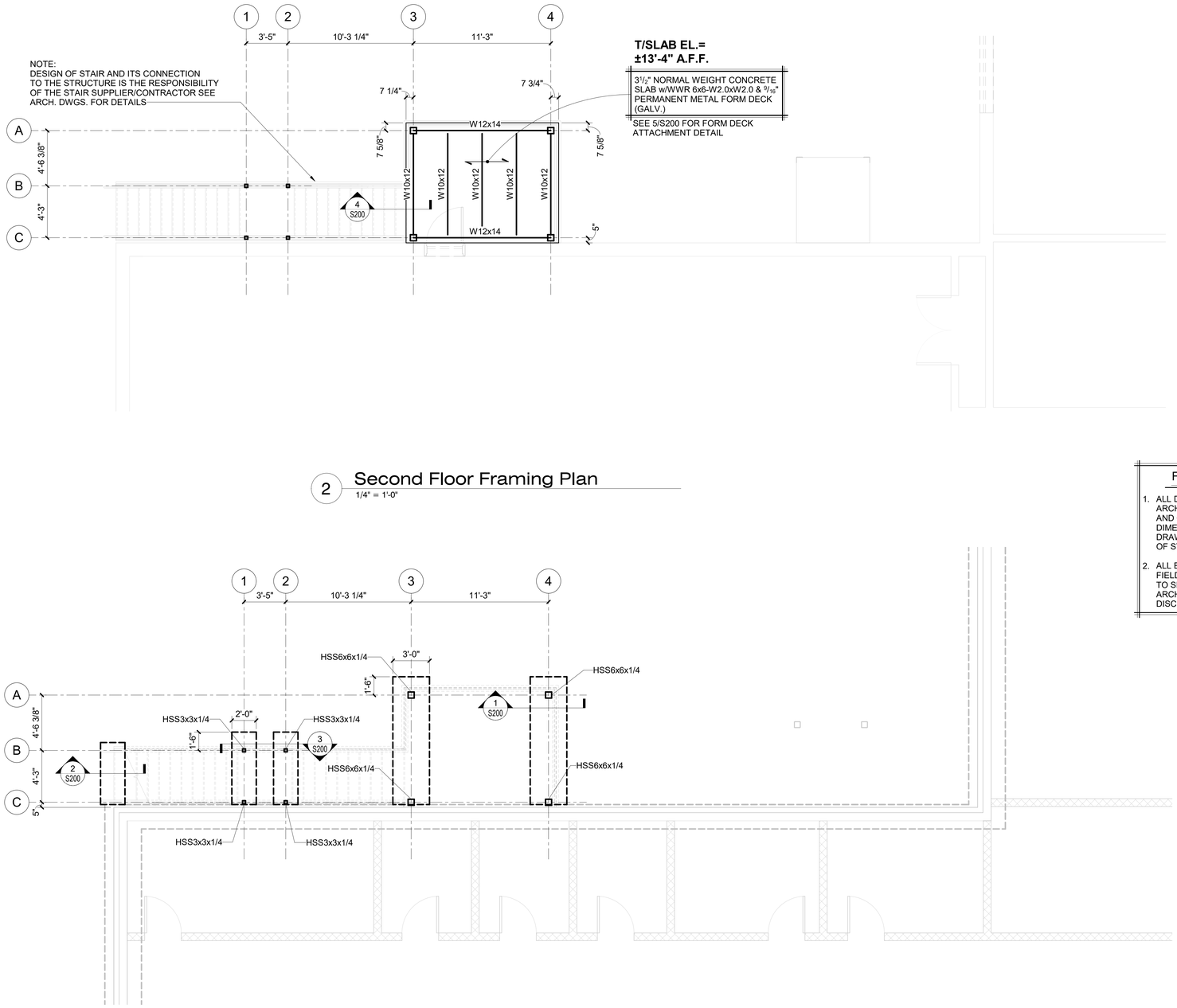

2 Second Floor Framing Plan
1/4" = 1'-0"

1 Foundation Plan
1/4" = 1'-0"

FOUNDATION PLAN NOTES

1. ALL DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS BEFORE DETAILING AND CONSTRUCTION ARE TO BEGIN. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS DIMENSIONS SHOWN ARE TO FACE OF STUD.
2. ALL EXISTING CONDITIONS SHOWN ARE ASSUMED - FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SHOP DRAWINGS PREPARATION. NOTIFY ARCHITECT/ENGINEERIN WRITING OF ANY DISCREPANCIES.

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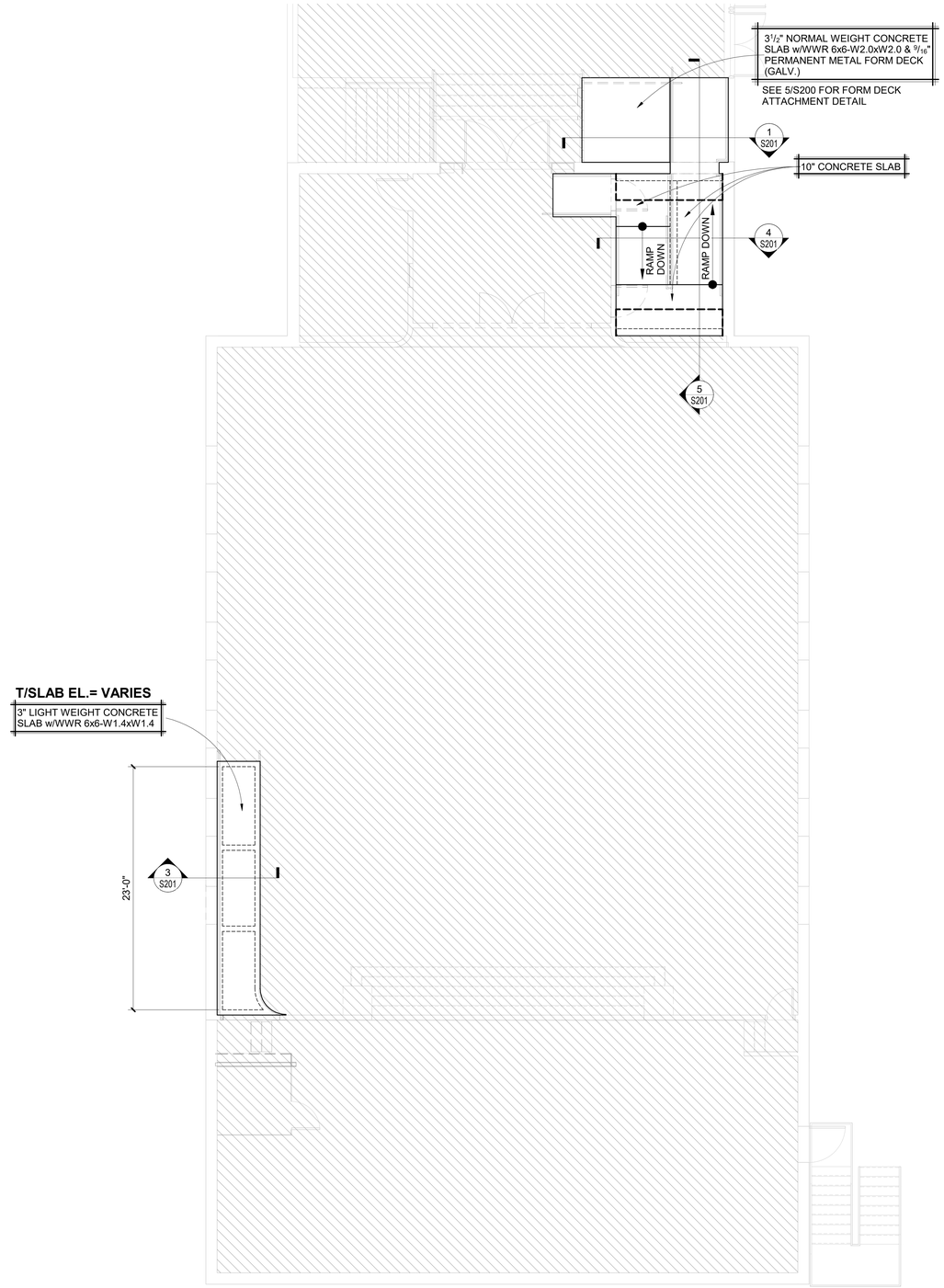
S100
Foundation & Framing Plan



1 Auditorium Plan
3/16" = 1'-0"

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Pontotoc City Schools ESSR 2&3

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S101
Auditorium Plan

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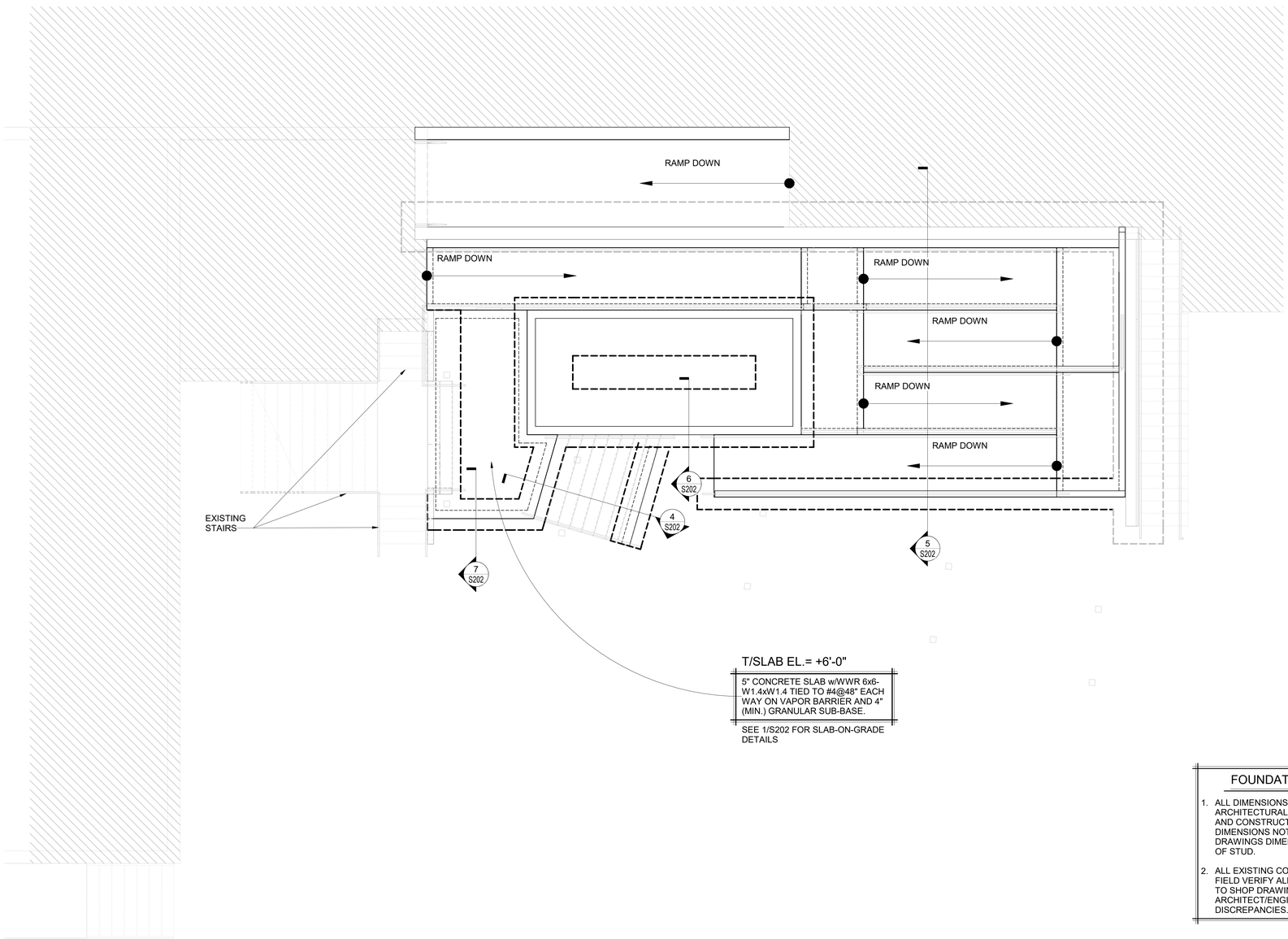

1 Ramp Foundation Plan
1/4" = 1'-0"

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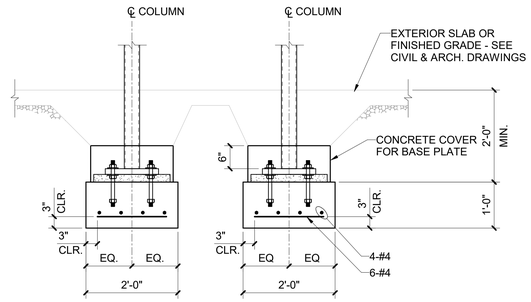
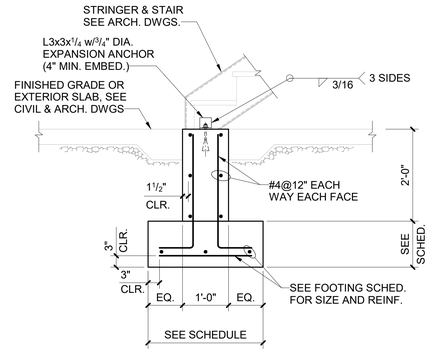
S102
Ramp Foundation Plan



3 SECTION AT STAIR COLUMNS



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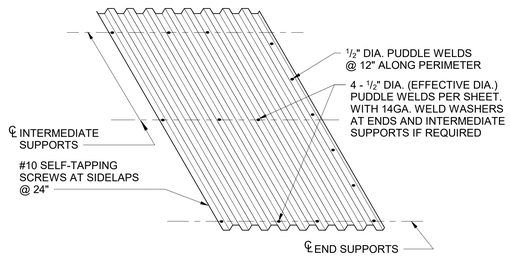
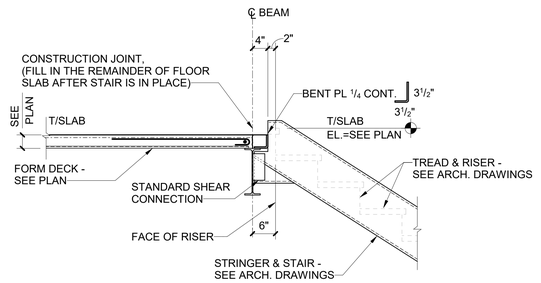
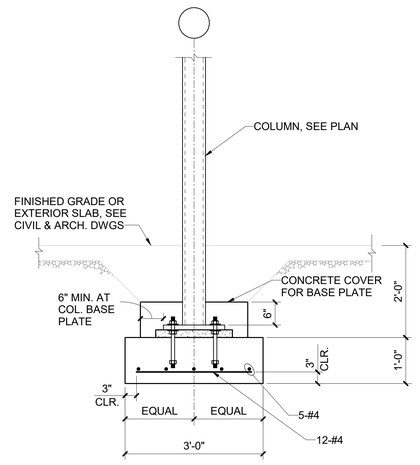


5 FORM DECK ATTACHMENT DETAIL
9/16" TYPE "C" GALVANIZED



NOTE:
SEE ARCH. DRAWINGS FOR STAIR DIMENSIONS, MEMBER SIZES & CONSTRUCTION.

4 SECTION AT STAIR



1 SECTION AT COLUMN

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Pontotoc City Schools ESSR 2&3

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Sections & Details

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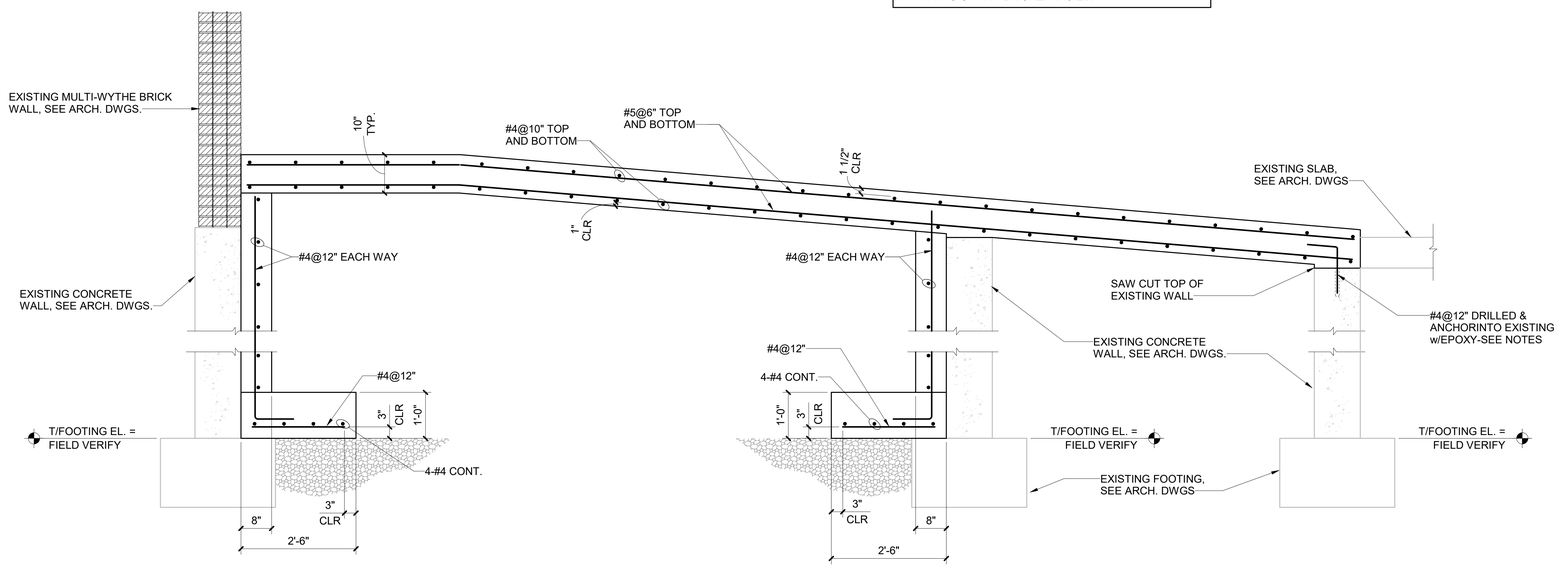
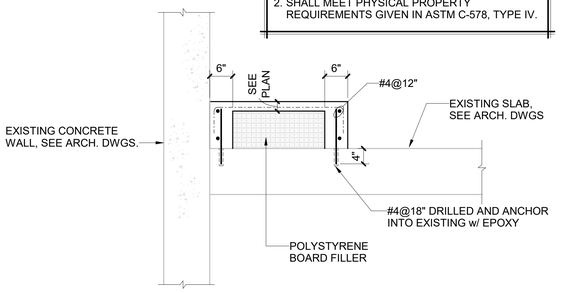


5 SECTION AT RAMP

POLYSTYRENE BOARDS SHALL CONFORM TO THE FOLLOWING

1. COMPRESSIVE STRENGTH OF 25 psi WHEN TESTED IN VERTICAL DIRECTION IN ACCORDANCE w/ASTM D1621.
2. SHALL MEET PHYSICAL PROPERTY REQUIREMENTS GIVEN IN ASTM C-578, TYPE IV.



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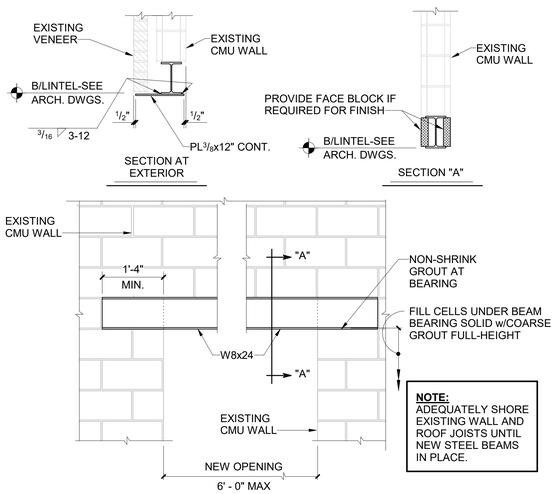

2 TYPICAL LINTEL DETAIL FOR NEW OPENING IN EXISTING CMU WALL

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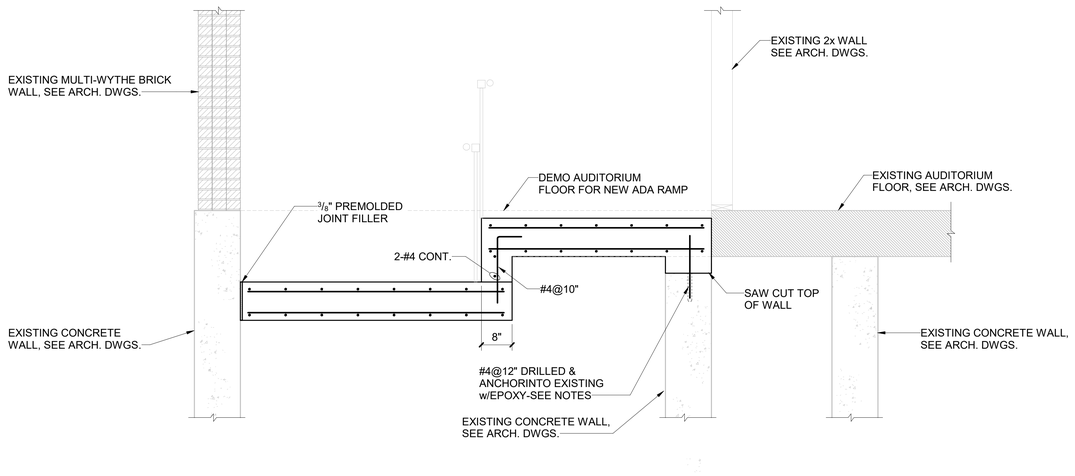

4 SECTION AT RAMP

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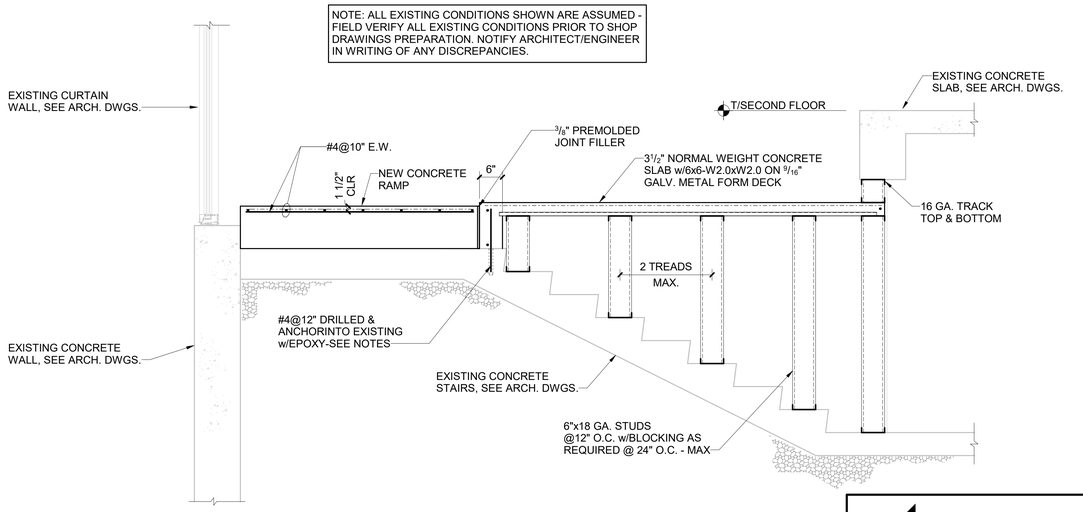

1 SECTION AT RAMP

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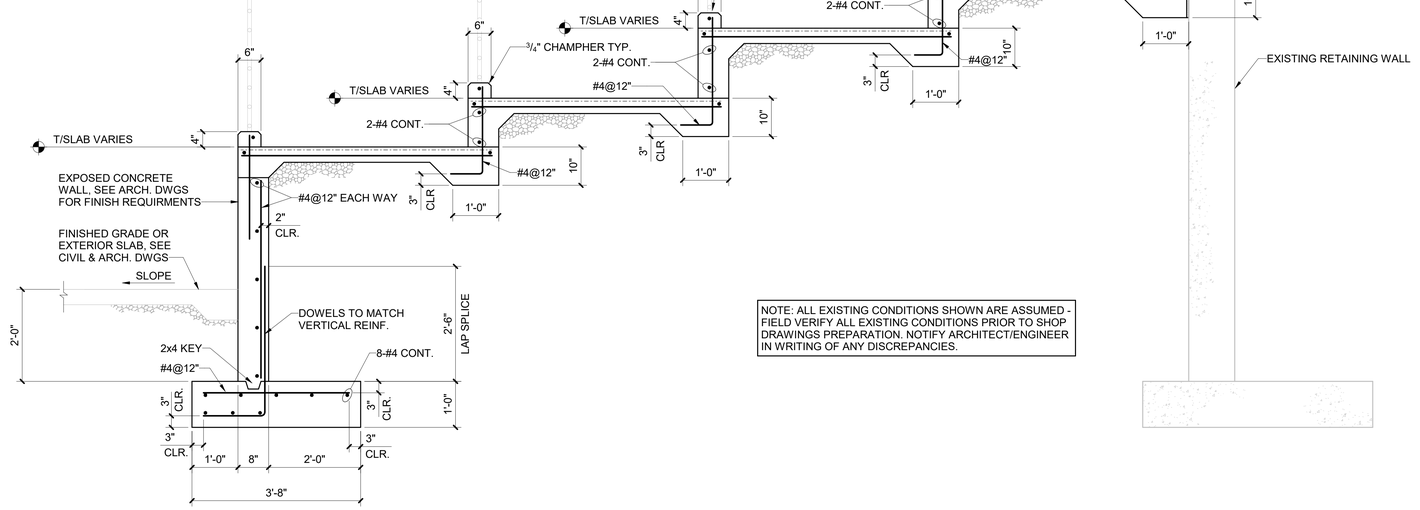
Sections & Details



5 SECTION AT RAMPS

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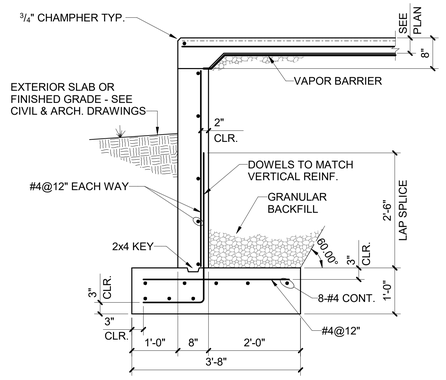
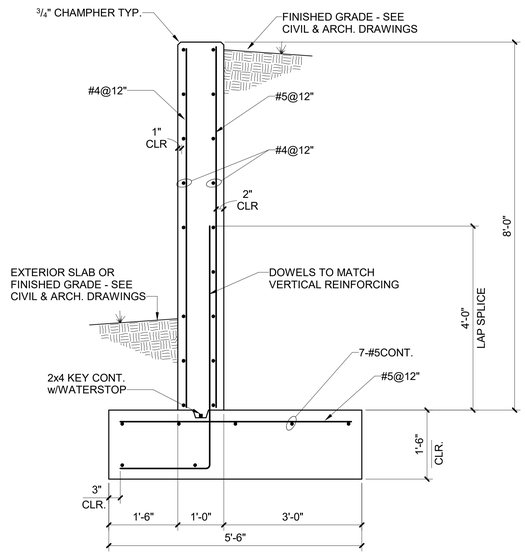
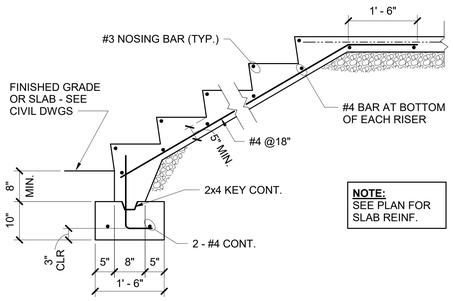


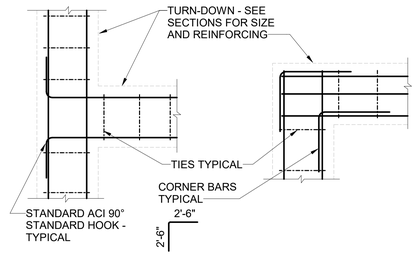
7 EXTERIOR SECTION



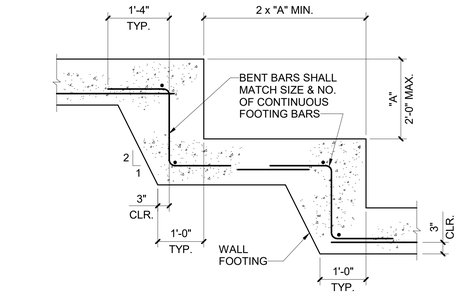
6 EXTERIOR SECTION



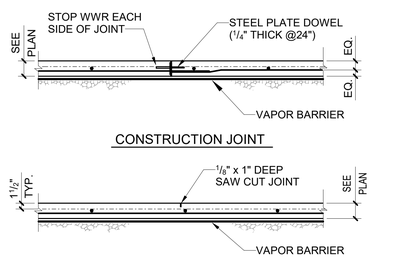
4 TYPICAL CONCRETE STAIR-ON-GROUND



3 SLAB TURN-DOWN/FOOTING INTERSECTION REINFORCING PLAN



2 STEPPED FOOTING DETAIL
CONTRACTOR SHALL COORDINATE LOCATIONS w/SITE GRADE



1 TYPICAL SLAB-ON-GROUND DETAILS

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. 2021-289.00

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Not For Construction

Pontotoc City Schools ESSR 2&3

PCS: 140 Educational Dr., Pontotoc, MS 38863

Construction Documents

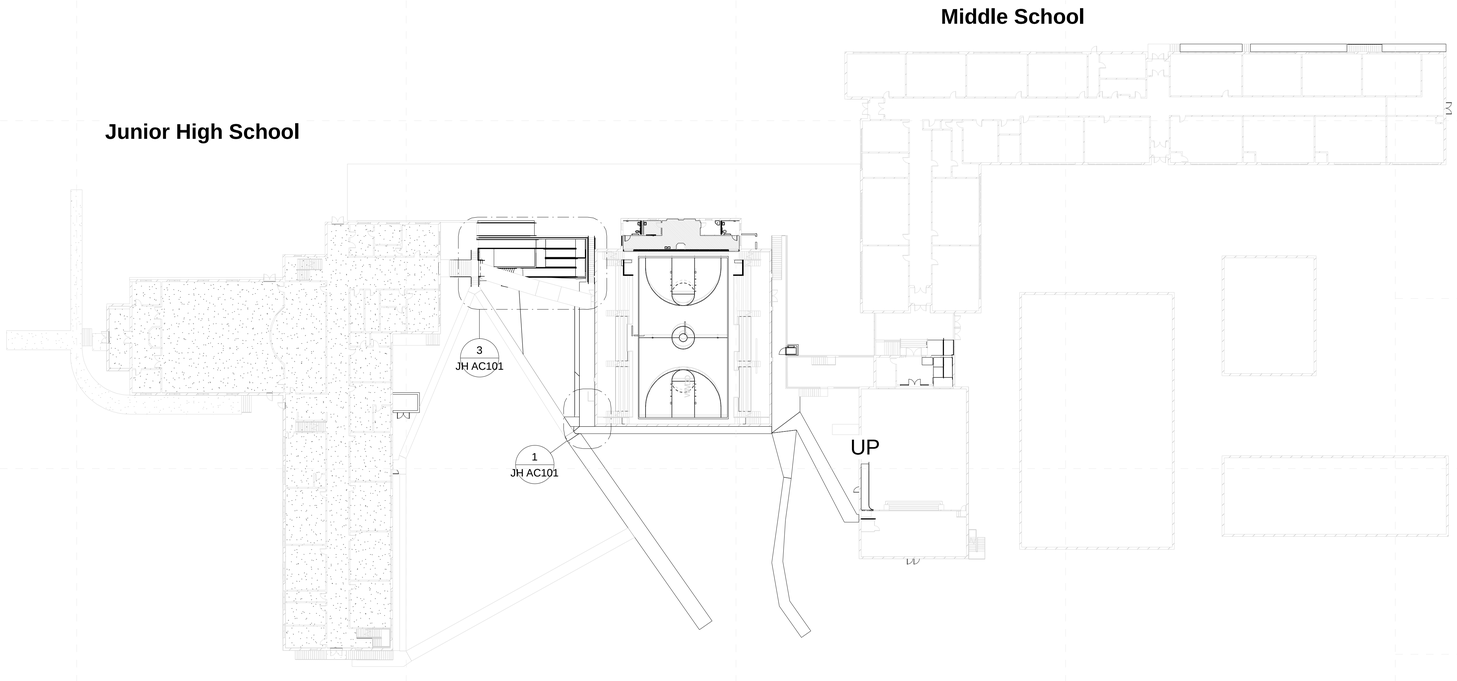
Project No	21064
Date	11/05/2021
Drawn	S.T.
Checked	T.S.
Revisions	Rev Date

S202

Sections & Details

Site Specific Notes Legend

01 23 00 001	ALTERNATE: relocate pole (2 locations to price)
01 23 00 002	ALTERNATE: relocate pole here
02 41 13 008	Awning to remain (not shown for clarity)
02 41 13 009	Grind down flush will floor all embeded metal to remain; where voids exist, fill with mortar
02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
03 30 00	Cast-in-Place Concrete
03 30 00 004	Install concrete stair here
03 31 00 001	Install footings at all retaining walls; see structural
03 81 00 001	Score concrete with straight lines where demoed is attached to existing to remain
04 05 16	Masonry Grouting
04 20 00	Unit Masonry
05 12 00	Structural Steel Framing
05 52 00 006	Return Handrail to ground and secure
05 52 00 010	Return handrail to wall here
05 52 00 016	Install gaurdrails at all locations where adjacent elevation exceeds 28"
05 52 00 017	Install new gaurdrail and handrails at stair to remain (typical)
07 11 00	Dampproofing
07 11 13	Bituminous Dampproofing
08 00 00	Openings
08 50 00	Windows
08 81 00	Glass Glazing
09 00 00	Finishes
10 73 13.13 001	Install new matching aluminum columns to meet new grade
12 36 23.13	Plastic-Laminate-Clad Countertops
22 14 00 001	Extend existing storm drainage to existing concrete flume; see Civil
26 51 00	Interior Lighting
31 22 00 001	Regrade; see Civil
32 16 00 003	Bridge concrete gutter with new sidewalk to connect existing sidewalk to exsting sidewalk; install culvert as needed; see Civil
32 94 33 002	Install level lawn with drainage



1 PCS Site ADA - Composite Site Plan
1/32" = 1'-0"

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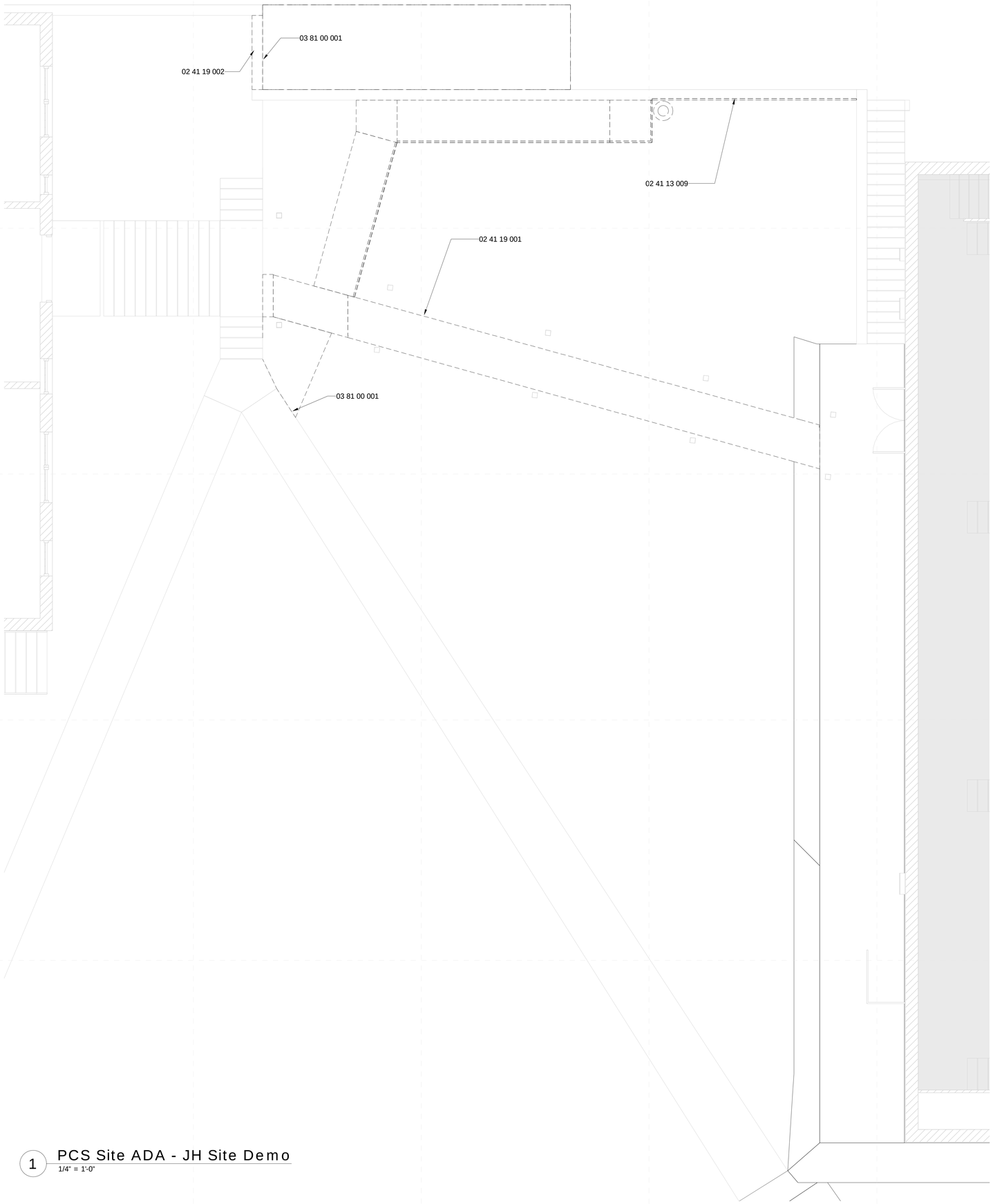
Pontotoc City Schools ESSR 2&3
PCS: 140 Educational Dr., Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/05/2021
Revisions	Rev Date
SD	09/14/2021
DD	09/22/2021
CD	11/05/2021

GC 001
Site General Sheet



1 PCS Site ADA - JH Site Demo
1/4" = 1'-0"

General Site Demolition Notes

1. Remove all concrete where shown to be replaced with new.
2. Scoring and/or clean saw cuts shall be employed when demoing concrete slabs adjacent to those to remain.
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair/clean any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted
8. 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.
9. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
10. All paving and grades at perimeter of building to have positve slope away from structures and towards drainage basins.
11. All grassed areas shall be graded to drain to the appropriate inlet or slope to ensure positive drainage away from the building.
12. Contractor shall employ temporary fencing to keep students out of construction area.

Specific Notes

02 41 13 009	Grind down flush will floor all embeded metal to remain; where voids exist, fill with mortar
02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
03 81 00 001	Score concrete with straight lines where demoed is attached to existing to remain

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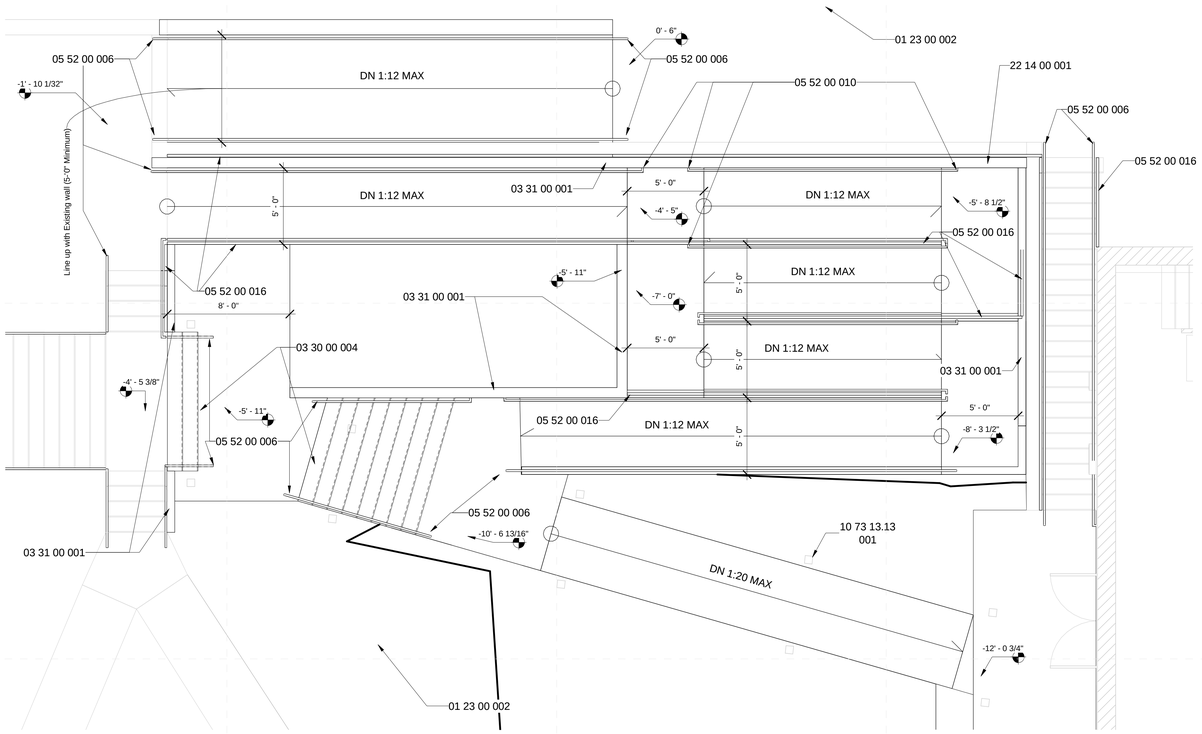
CD	11/05/2021

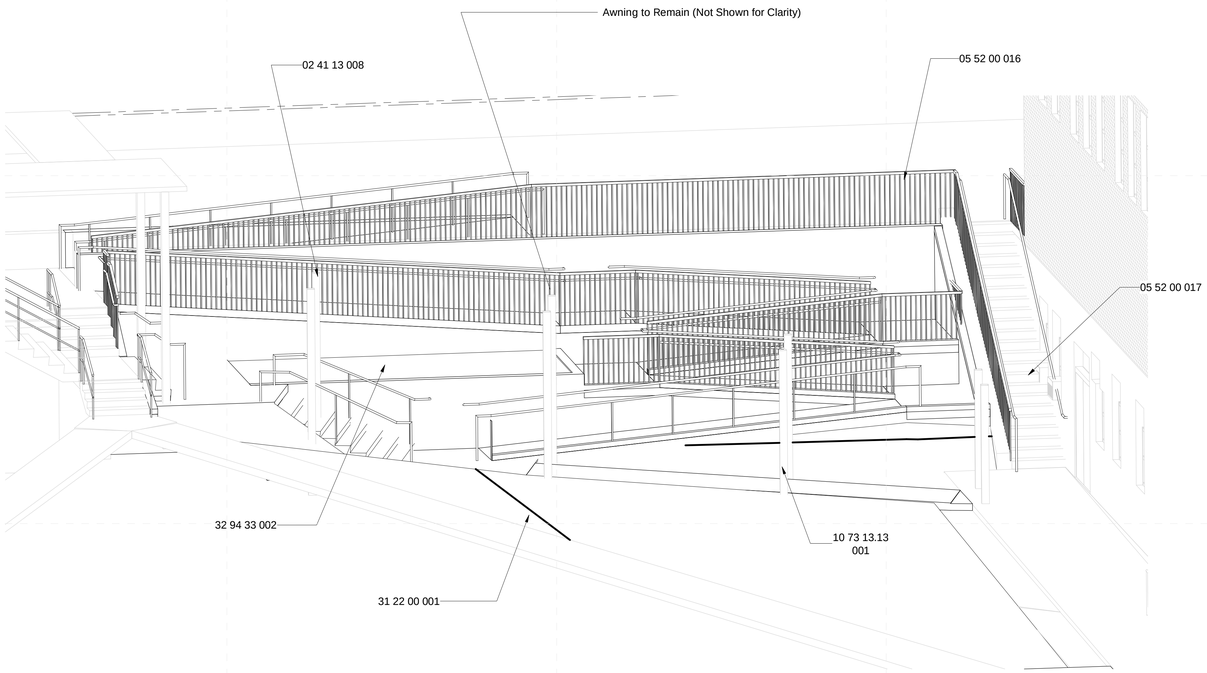
North

JH
AC001
Site Demolition

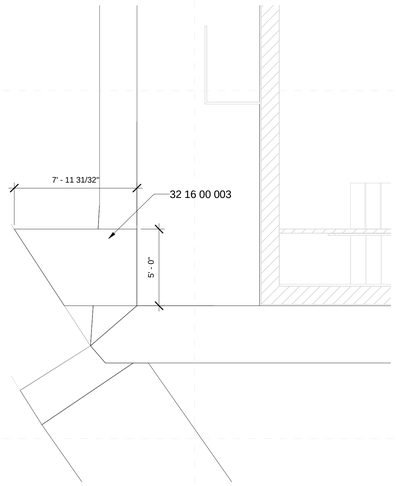


3 PCS Site ADA - Upper Site Ramp

1/4" = 1'-0"



2 Isometric Drawing



1 PCS Site ADA - Addtional Site Repair

1/4" = 1'-0"

General Finish Plan Notes

1. Prime & paint on new handrails to match existing.
2. Match new guardrail style to existing construction and design.
3. Brush finish all new concrete.
4. Relocate any bolted furniture in area of new construction per owner's discretion.

General Handrail Notes

1. Handrail height, measured above stair tread nosings, or finish surface of ramp slope, shall be 34".
2. Handrails shall have a circular cross section with an outside diameter of at least 1 1/4" and not great than 2 inches.
3. Handrails shall return to a wall, guard, or the walking surface OR shall be continuous to the handrail of an adjacent stair flight or ramp run.
4. Where handrails are not continuous between flights, each handrail shall extend horizontally/level at least 12 inches beyond the nosing of the top or bottom riser of stair flights.
5. All stairs are to receive handrails.

Specific Notes

01 23 00 002	ALTERNATE: relocate pole here
02 41 13 008	Awning to remain (not shown for clarity)
03 30 00 004	Install concrete stair here
03 31 00 001	Install footings at all retaining walls; see structural
05 52 00 006	Return Handrail to ground and secure
05 52 00 010	Return handrail to wall here
05 52 00 016	Install gaurdrails at all locations where adjacent elevation exceeds 28"
05 52 00 017	Install new gaurdrail and handrails at stair to remain (typical)
10 73 13.13 001	Install new matching aluminum columns to meet new grade
22 14 00 001	Extend existing storm drainage to existing concrete flume; see Civil
31 22 00 001	Regrade; see Civil
32 94 33 002	Install level lawn with drainage

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Pontotoc City Schools

PCS: 140 Educational Dr., Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/05/2021

Revisions	Rev Date
SD	09/14/2021
DD	09/22/2021
CD	11/05/2021

North

JH

AC101

Site New Construction

HS Specific Notes Legend

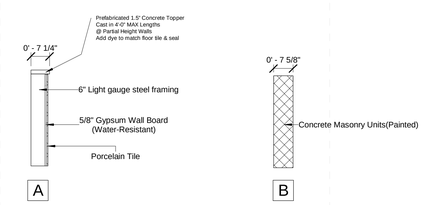
01 31 00 001	Extent of project work is within dashed callout
02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
04 28 23 002	6" CMU Wall; Set plumb/level/flush with mortar to roof/floor deck
05 51 00 001	Prefabricated Metal Stair with concrete toppers
05 51 00 002	Welded Steel Stringers
05 51 00 003	Galvanized metal pan to receive concrete topping
05 51 00 004	Steel columns to make prefabricated stair free standing
05 52 00 001	Install horizontal square solid bar so that no 4" ball can pass thru at any point
05 52 00 002	Install round pipe with OD no greater than 2" or less than 1-1/4" for handrail @ a height of 36" above floor or center step
05 52 00 003	Install guard rail at a height of 42" to top of rail
05 52 00 004	Install square tube 2" as top of guard
05 52 00 005	Install 1" square tube vertical members at ends of runs, corners, and a minimum of every 4' throughout
05 52 00 006	Return Handrail to ground and secure
05 52 00 007	Extend handrail 12" passed the nosing of the last step
07 80 00 001	Rate walls for 1 hour fire protection
09 01 90 01	Patch drywall imperfections, prime, and paint as needed
09 05 05 02	Patch damaged substrate for smooth new tile installation
09 05 05 03	Install leveling compound as needed for smooth appearance of new tile, typical on new floor tile
09 05 05 04	Remove Existing Grid and Ceiling Tiles
09 30 00 004	New 12x24 Tile as shown
09 30 00 005	Install new wall tile flush and straight with accent top piece, floor to partial wall/window sill height; typical at bathroom interior unless noted otherwise
09 30 00 007	Install new wall tile flush and straight, floor to ceiling at this plumbing wall only
09 30 00 008	Install accent tile at this wall
09 51 00 01	Install New 2x2 Lay In Ceiling
09 51 00 02	Contractor shall coordinate all Ceiling grills, fixtures, sprinklers, etc. and provide refinished or new for new installation
09 97 13.23 001	Finish all steel members with primer & enamel paint
10 05 05 001	Remove metal awning entirely; remove caulkings and residues left by caulkings; patch damages with like materials
10 11 16 001	Provide and install 84"x48" markerboard
10 11 23 001	Provide and install 84"x48" tackboard
10 21 13.19 001	Install new toilet partitions (typical)
10 28 13 001	Install wall hung mirror here; center over fixture unless noted otherwise
10 28 13 002	Install hand dryer here; coordinate with electrical & mechanical
10 28 13 003	Install new ADA/AMD Grab bars here
12 21 00 001	Install new privacy blinds here
22 42 00 001	Replace fixtures only
22 42 00 002	Coordinate new fixture installations with mechanical, typical for new

Project Coordination

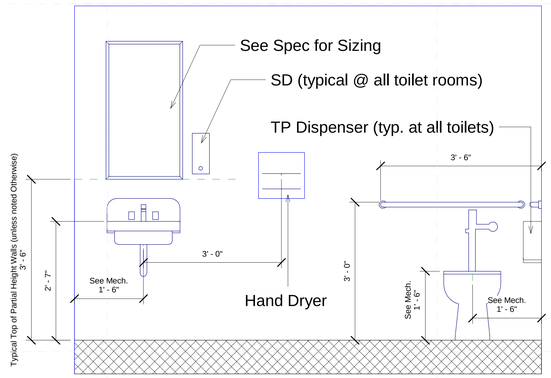
1. Mechanical work within ESSR funding shall take place along side this project under a different contract. All work shall be coordinated with that contractor and work shall be scheduled in accordance with this coordination.
2. Examples of work to be coordianted:
   A. Demolition for ceilings shall be performed inaccordnance with this contract, while demolition of mechanical in same space shall be performed under separate contract
   B. New ceilings under this contract shall not be installed until and after new mechacnical has been installed in same space by separate contractor.
3. The engineer over this mechanical work is:

CMTA, Inc.
8801 J M Keynes Dr Suite 240,
Charlotte, NC 28262
(704) 376-7072
Contact: Matt Wade
(MWade@cmta.com)

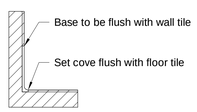
Building Standards



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



Typical Wall Toilet Room
3/4" = 1'-0"



Typical Base Tile Installation
1 1/2" = 1'-0"

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p 228.374.1409
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Not For Construction

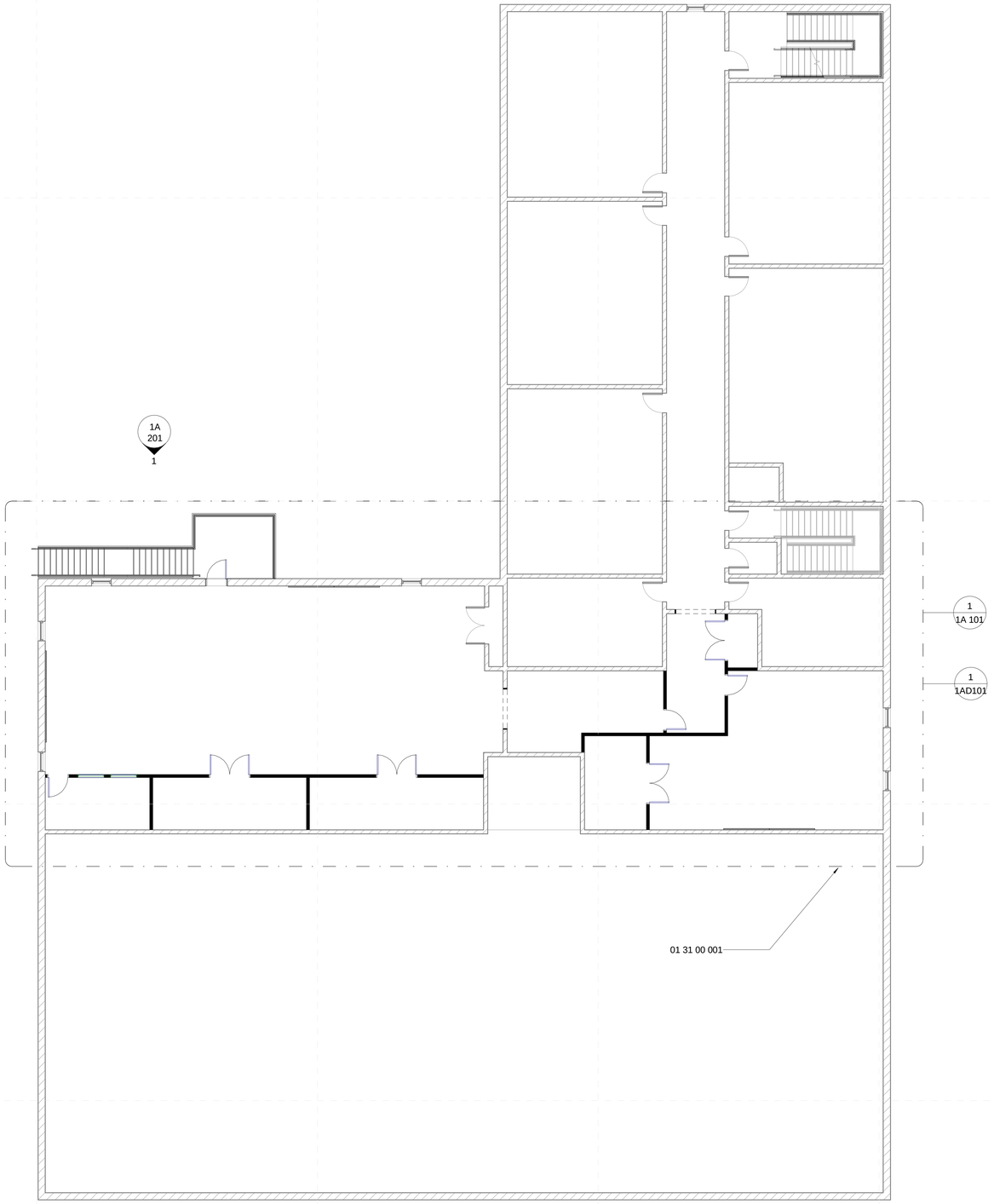
Pontotoc City Schools ESSR 2&3
PCS High School: 123 N Main St, Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/5/2021

Revisions	Rev Date
SD	09/14/2021
DD	09/22/2021
CD	11/05/2021

0G 100
High School General Sheet



1 PCS HS Band Hall 2nd LVL
1/8" = 1'-0"

General Staging notes

1. Contractor shall reduce the amount of foot-traffic through finished spaces.
2. Where foot-traffic is necessary through finished space, contractor shall protect finishes from dust, scuffs, dings, dents, surface and structural damages.
3. Any damages occuring within finished space shall be repaired to new with like materials.
4. Contractor should acknowledge that mechanical systems are working within the renovated space and shall use standard methods for limiting the the creation of dust and shall replace filters as needed within existing equipment at regular intervals and as required by construction activities.

Specific Notes

01 31 00 001	Extent of project work is within dashed callout

North

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Pontotoc City Schools ESSR 2&3

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Construction Documents

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SD	09/14/2021
DD	09/22/2021
CD	11/05/2021

1A 001

Composite Floor Plan

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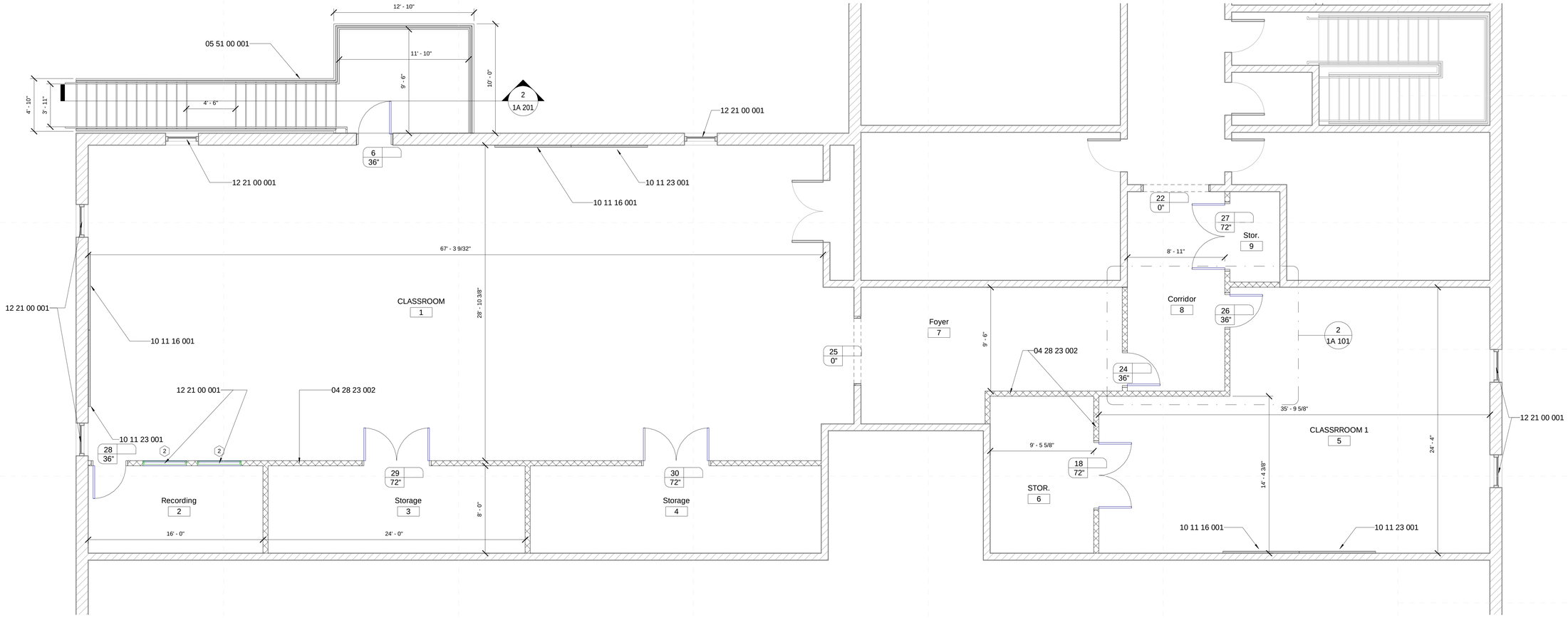


1 PCS HS Band Unfinished Space - New Construction

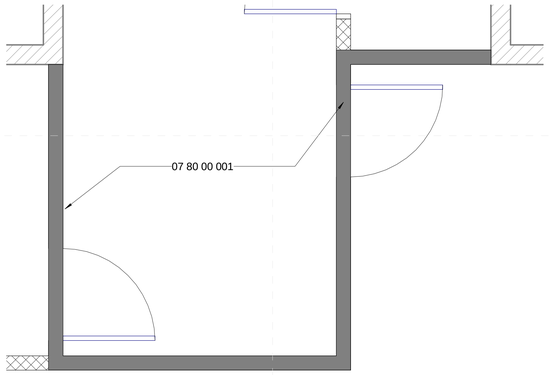
1/4" = 1'-0"

HS Unfinished Space Door Schedule

Door #	Function	Construction Type	Height	Width	Thickness	Operation	Frame Material	Finish	Fire Rating	Hardware Set	Comments	Mark
6	Exterior	Hollow Metal Door Panel	7' - 0"	3' - 0"	0' - 1 3/4"	Swing	Welded Steel Frame	Paint	none	01 Panic Exit	Include Lite NTE 288 Sq Inches	6
18	Interior	Hollow Metal Door Panel	7' - 0"	6' - 0"	0' - 1 3/4"	Swing	Welded Steel Frame	Paint	None	04 Storage		18
22	Interior	Hollow Metal Door Panel	0' - 0"	0' - 0"		Existing Cased Opening	Existing	Paint	N/A	N/A		22
24	Interior	Hollow Metal Door Panel	7' - 0"	3' - 0"	0' - 1 3/4"	Swing	Welded Steel Frame	Paint	1 Hour	02 Class Entry	Include Lite NTE 288 Sq Inches	24
25	Interior	Hollow Metal Door Panel	0' - 0"	0' - 0"		Existing Cased Opening	Existing	Paint	N/A	N/A		25
26	Interior	Hollow Metal Door Panel	7' - 0"	3' - 0"	0' - 1 3/4"	Swing	Welded Steel Frame	Paint	1 Hour	02 Class Entry	Include Lite NTE 288 Sq Inches	26
27	Interior	Hollow Metal Door Panel	7' - 0"	6' - 0"	0' - 1 3/4"	Swing	Welded Steel Frame	Paint	None	04 Storage		27
28	Interior	Hollow Metal Door Panel	7' - 0"	3' - 0"	0' - 1 3/4"	Swing	Welded Steel Frame	Paint	None	03 Passage		28
29	Interior	Hollow Metal Door Panel	7' - 0"	6' - 0"	0' - 1 3/4"	Swing	Welded Steel Frame	Paint	None	04 Storage		29
30	Interior	Hollow Metal Door Panel	7' - 0"	6' - 0"	0' - 1 3/4"	Swing	Welded Steel Frame	Paint	None	04 Storage		30

HS Unfinished Window Schedule

Window #	Function	Construction Type	Height	Width	Sill Height	Operation	Frame Material	Finish	Fire Rating	Hardware	Comments	Mark
2	Interior	Storefront Aluminum	3' - 0"	4' - 0"	3' - 0"	Fixed	Aluminum	Anodized	N/A	None	Include Privacy Blinds	2



2 PCS HS Band Unfinished Space - Fire Partitions

1/2" = 1'-0"

General Finish Plan Notes

1. Clean free of debris & residues all concrete floor; buff and reseal
2. Prep, Prime, & Paint all Walls.
3. Prime & paint any exposed piping within classroom space to match adjacent.
4. Include new room signage @ all rooms; coordinate naming and numbering with owner

Specific Notes

04 28 23 002	6" CMU Wall; Set plumb/level/flush with mortar to roof/floor deck
05 51 00 001	Prefabricated Metal Stair with concrete toppers
07 80 00 001	Rate walls for 1 hour fire protection
10 11 16 001	Provide and install 84"x48" markerboard
10 11 23 001	Provide and install 84"x48" tackboard
12 21 00 001	Install new privacy blinds here

North

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Pontotoc City Schools ESSR 2&3

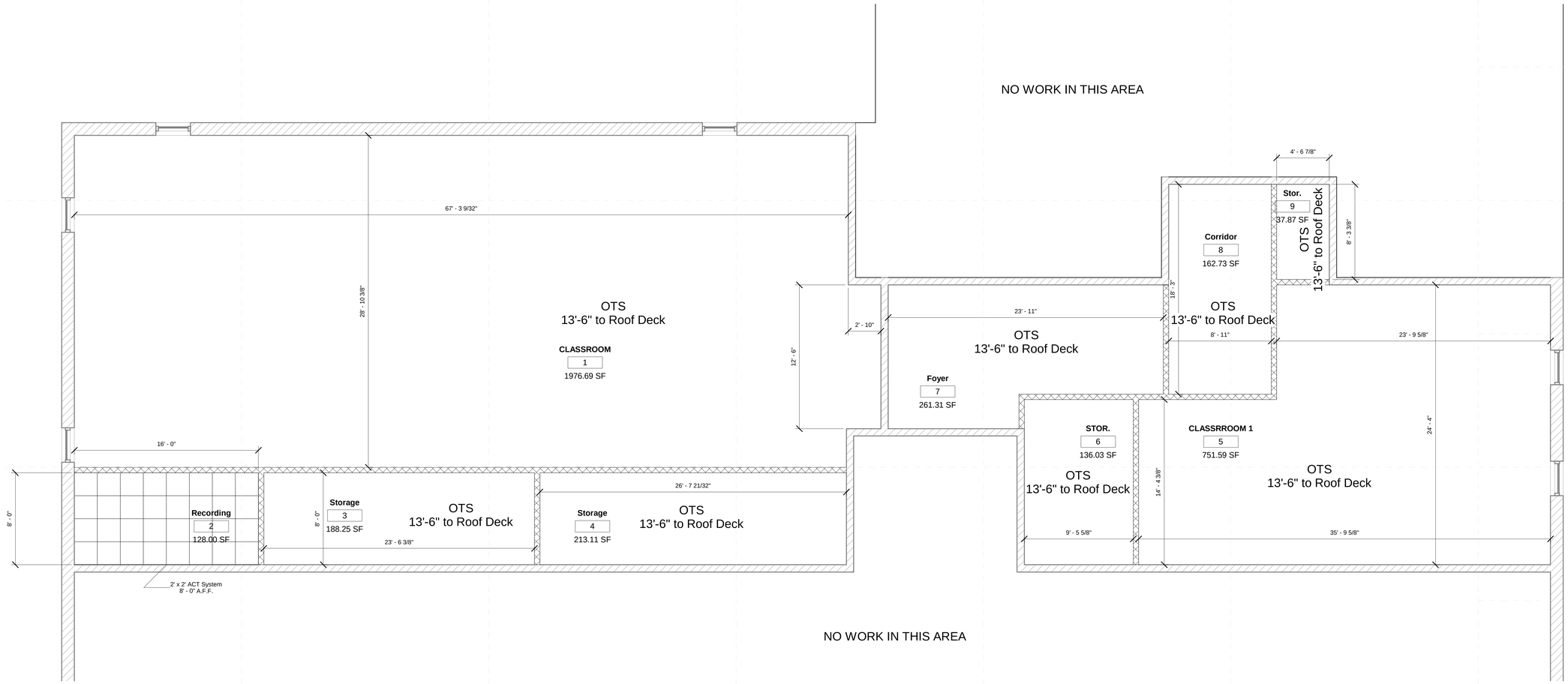
PCS High School: 123 N Main St, Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/5/2021
Revisions	Rev Date
SD	09/14/2021
DD	09/22/2021
CD	11/05/2021

1A 101

Floor Plan



1 PCS HS Band Unfinished Space - New Construction

1/4" = 1'-0"

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

General RCP Notes

1. Contractor shall paint all surfaces above 8'-0" at wall, roof, and ceiling, as well as anything attached therein at all rooms labeled OTS, unless noted otherwise
2. Repair/replace any and all ceiling damaged due to construction activities.
3. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

North

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Pontotoc City Schools ESSR 2&3

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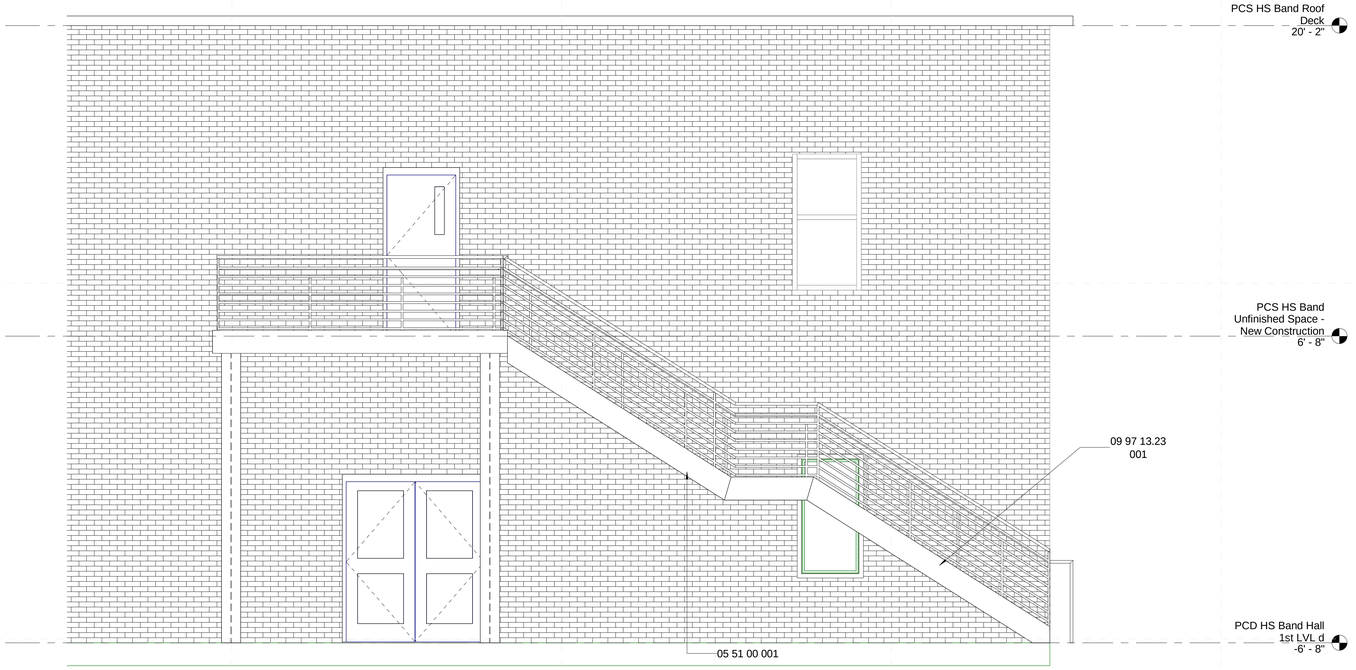
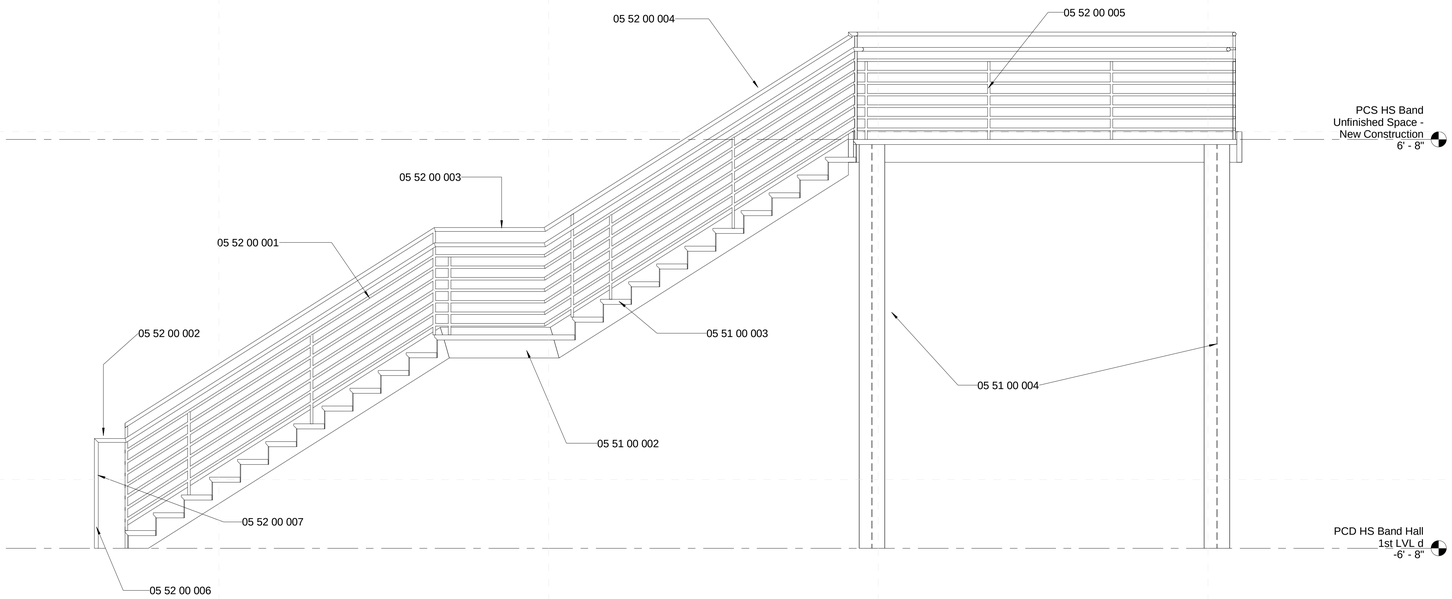
1A 141

RCP - New Construction



1 Exterior Stair Elevation

3/8" = 1'-0"



2 Stair Section

1/2" = 1'-0"

General Stair Notes

1. Stair rise shall be greater than 4-1/2" and less than 7".
2. Stair run shall be 11" or greater.

General Handrail Notes

1. Handrail height, measured above stair tread nosings, or finish surface of ramp slope, shall be 34".
2. Handrails shall have a circular cross section with an outside diameter of at least 1 1/4" and not great than 2 inches.
3. Handrails shall return to a wall, guard, or the walking surface OR shall be continuous to the handrail of an adjacent stair flight or ramp run.
4. Where handrails are not continuous between flights, each handrail shall extend horizontally/level at least 12 inches beyond the nosing of the top or bottom riser of stair flights.
5. All stairs are to receive handrails.

Specific Notes

05 51 00 001	Prefabricated Metal Stair with concrete toppers
05 51 00 002	Welded Steel Stringers
05 51 00 003	Galvanized metal pan to receive concrete topping
05 51 00 004	Steel columns to make prefabricated stair free standing
05 52 00 001	Install horizontal square solid bar so that no 4" ball can pass thru at any point
05 52 00 002	Install round pipe with OD no greater than 2" or less than 1-1/4" for handrail @ a height of 36" above floor or center step
05 52 00 003	Install guard rail at a height of 42" to top of rail
05 52 00 004	Install square tube 2" as top of guard
05 52 00 005	Install 1" square tube vertical members at ends of runs, corners, and a minimum of every 4' throughout
05 52 00 006	Return Handrail to ground and secure
05 52 00 007	Extend handrail 12" passed the nosing of the last step
09 97 13.23 001	Finish all steel members with primer & enamel paint

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Pontotoc City Schools ESSR 2&3

PCS High School: 123 N Main St, Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/5/2021

Revisions	Rev Date
SD	09/14/2021
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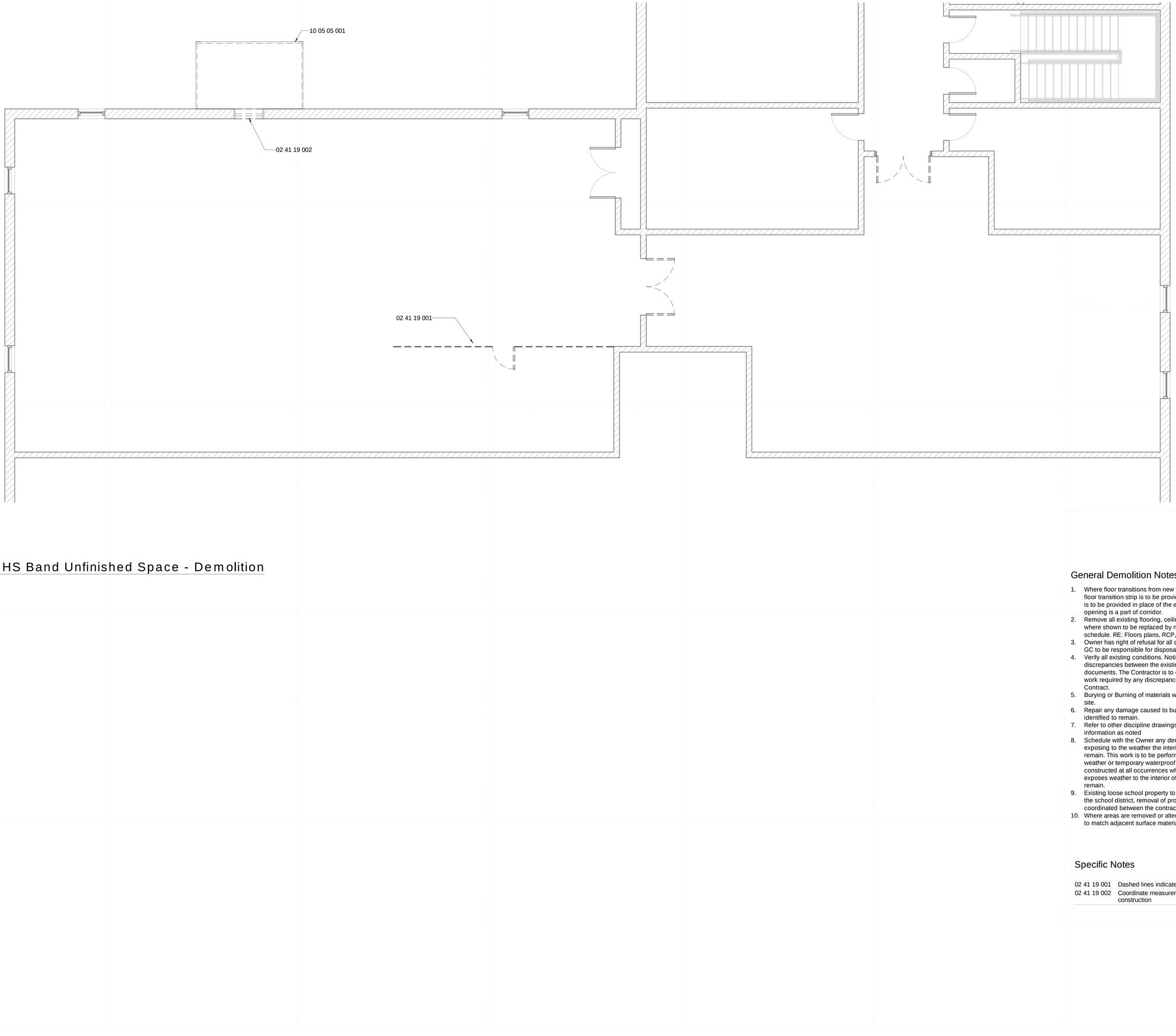
CD	11/05/2021

1A 201

N Facade Stair



1 PCS HS Band Unfinished Space - Demolition
1/4" = 1'-0"

General Demolition Notes

1. Where floor transitions from new floor to existing floor, a floor transition strip is to be provided. A knock-down frame is to be provided in place of the existing frame where the opening is a part of corridor.
2. Remove all existing flooring, ceiling tile, rubber base, etc.. where shown to be replaced by new materials in the finish schedule. RE: Floors plans, RCP, and Finish Schedule
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted
8. 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.
9. 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.
10. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.

Specific Notes

02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction

North

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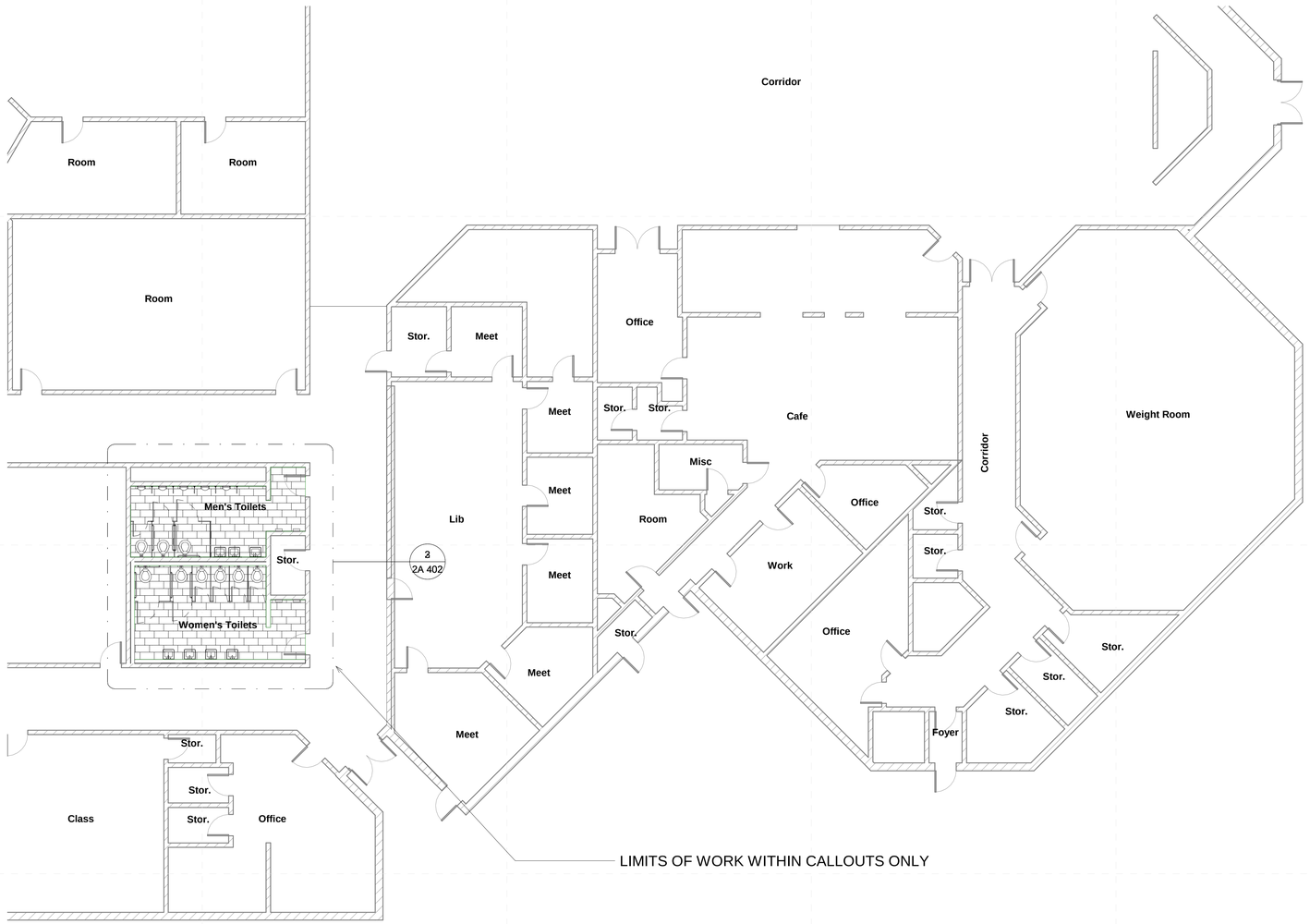
1AD101

Demolition Plan



1 PCD HS Campus LVL 1 - New Construction

1/8" = 1'-0"

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North

2A 101

Composite Floor Plan

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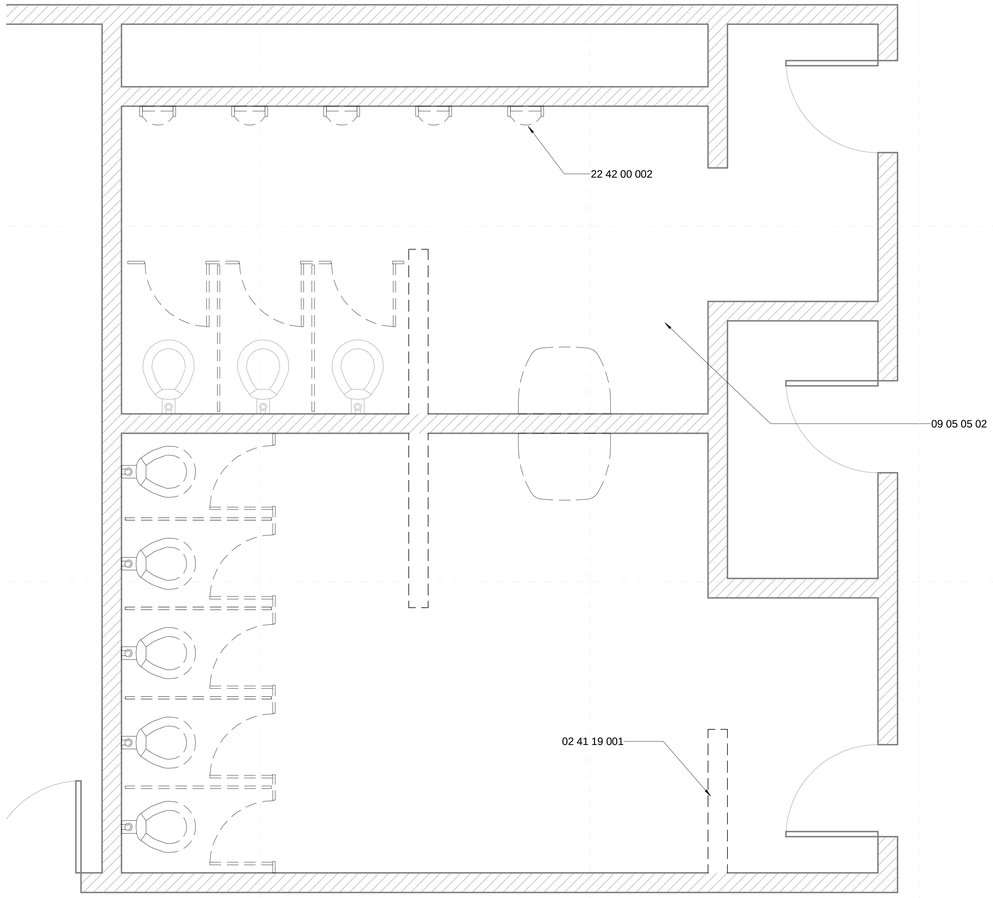
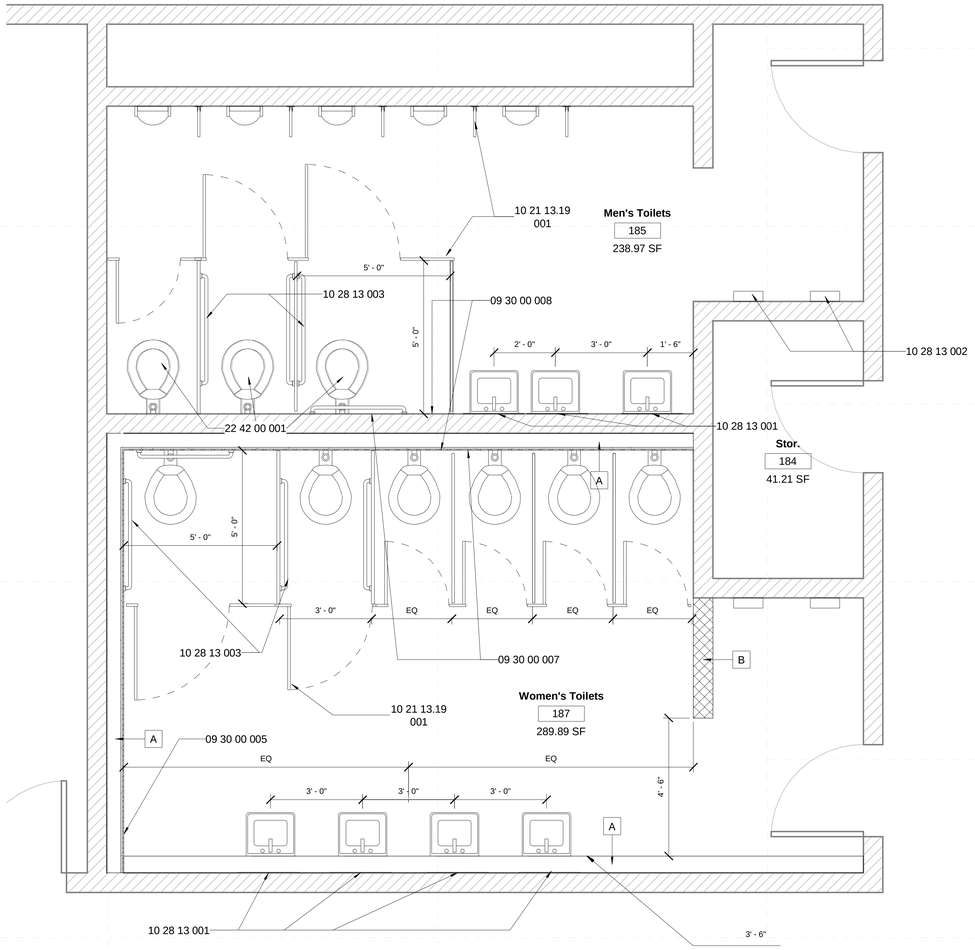
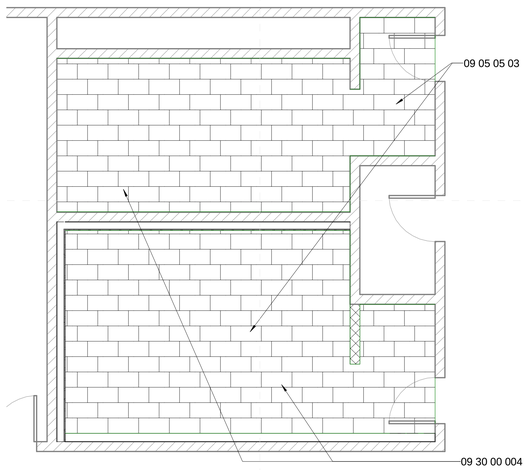


1 PCD HS Acad. Toilets - Existing
1/2" = 1'-0"



2 PCD HS Acad. Toilets - New Construction
1/2" = 1'-0"



3 PCD HS Acad. Toilets -Floor Pattern
1/4" = 1'-0"

HS Toilets Room Schedule

Number	Name	Area	Floor Finish	Base Finish	Wall Finish	Height	Ceiling Finish	Num
185	Men's Toilets	238.97 SF	12x24 Tile (CT001)	Tile Base to match floor	Differs: Floor Tile (CT001) to continue floor pattern @ accent wall; painted CMU with epoxy Paint	8' - 0"	ACT	185
187	Women's Toilets	289.89 SF	12x24 Tile (CT001)	Tile Base to match floor	Differs: Floor Tile (CT001) to continue floor pattern @ accent wall; wall tile (CT002) for partial height walls (use bullnose for [CT001] as wainscot cap; multiple tile colors in use: coordinate pattern with architect); painted gypsum AND painted CMU with epoxy Paint	8' - 0"	ACT	187

General Demolition Notes

1. Where floor transitions from new floor to existing floor, a floor transition strip is to be provided. A knock-down frame is to be provided in place of the existing frame where the opening is a part of corridor.
2. Remove all existing flooring, ceiling tile, rubber base, etc.. where shown to be replaced by new materials in the finish schedule. RE: Floors plans, RCP, and Finish Schedule
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted
8. 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.
9. 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.
10. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.

General Finish Plan Notes

1. All flooring transitions are to occur at center line of door panel.
2. Install new tile at floors including matching tile base.
3. New Fixture locations shall be coordinated with mechanical sheets.
4. Paint all CMU.

Specific Notes

02 41 19 001	Dashed lines indicated extent of demoed work
09 05 05 02	Patch damaged substrate for smooth new tile installation
09 05 05 03	Install leveling compound as needed for smooth appearance of new tile, typical on new floor tile
09 30 00 004	New 12x24 Tile as shown
09 30 00 005	Install new wall tile flush and straight with accent top piece, floor to partial wall/window sill height; typical at bathroom interior unless noted otherwise
09 30 00 007	Install new wall tile flush and straight, floor to ceiling at this plumbing wall only
09 30 00 008	Install accent tile at this wall
10 21 13.19 001	Install new toilet partitions (typical)
10 28 13 001	Install wall hung mirror here; center over fixture unless noted otherwise
10 28 13 002	Install hand dryer here; coordinate with electrical & mechanical
10 28 13 003	Install new ADA/AMD Grab bars here
22 42 00 001	Replace fixtures only
22 42 00 002	Coordinate new fixture installations with mechanical, typical for new

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Pontotoc City Schools ESSR 2&3

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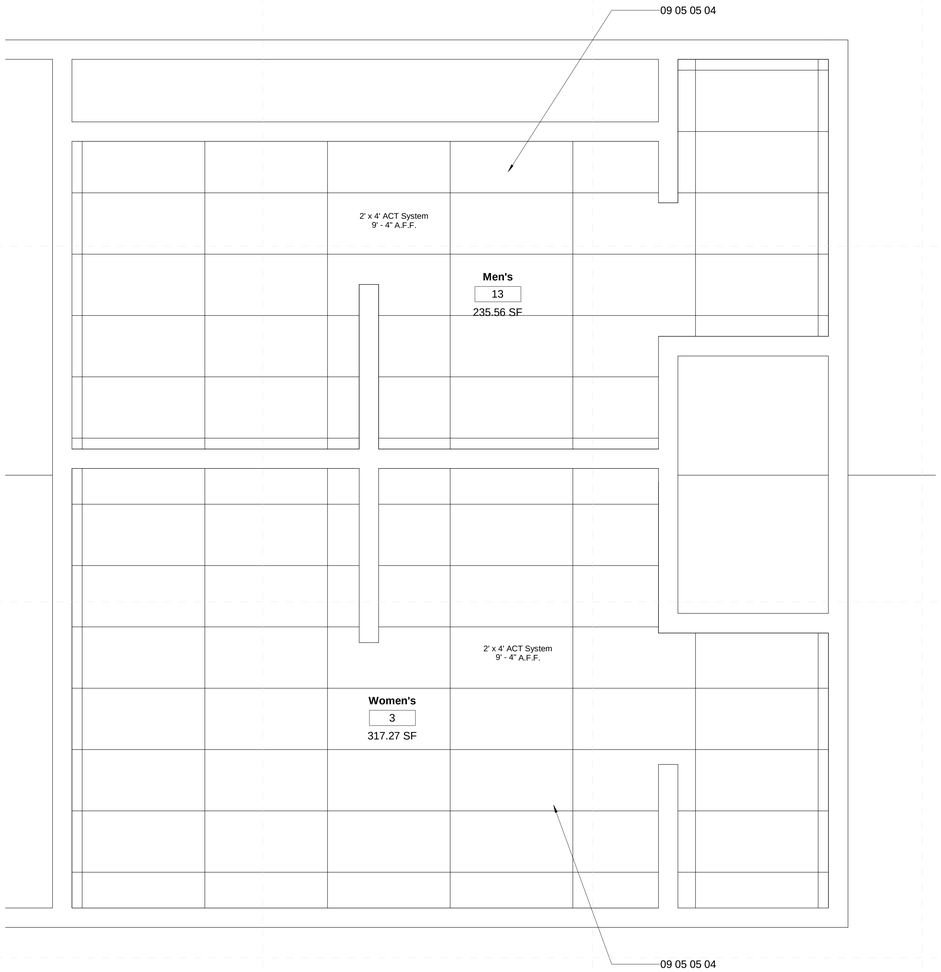
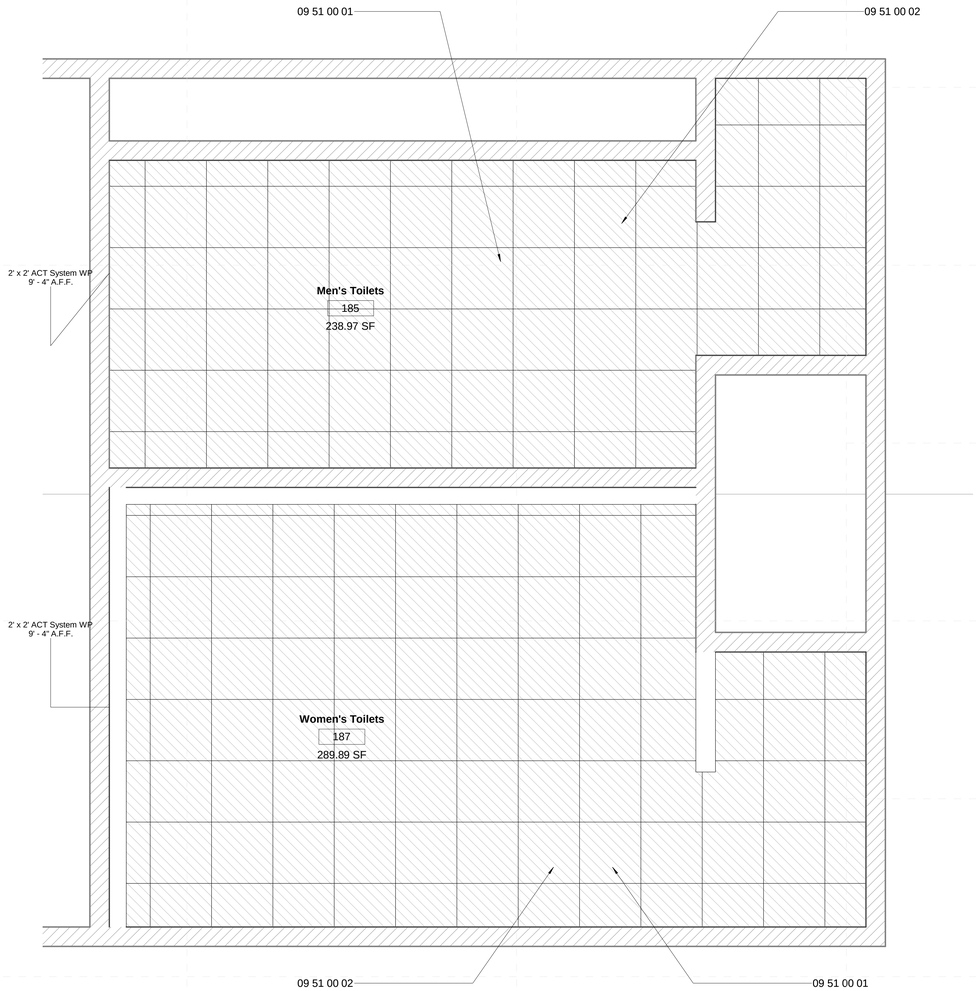
2A 402

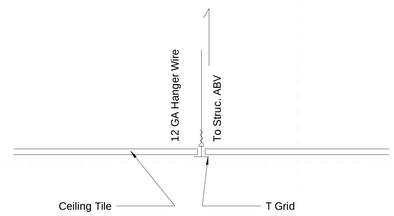
Toilets



1 PCD HS Campus LVL 1 - Bathrooms - Existing
1/2" = 1'-0"



2 PCD HS Campus LVL 1 - Bathrooms - New Construction
1/2" = 1'-0"



Typical Ceiling Grid Support
3" = 1'-0"

General RCP Demolition Notes

1. Where ceiling transitions from new ceiling to existing ceiling, coordinate with Architect detail.
2. Remove all existing ceiling grid & tile unless noted otherwise, as well as any wall fasteners and/or mastics attached therein where shown to be replaced by new materials.
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted.
8. 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.
9. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.

Specific Notes

09 05 05 04	Remove Existing Grid and Ceiling Tiles
09 51 00 01	Install New 2x2 Lay In Ceiling
09 51 00 02	Contractor shall coordinate all Ceiling grills, fixtures, sprinklers, etc. and provide refinished or new for new installation

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Pontotoc City Schools ESSR 2&3

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2A 442

RCP - Toilets

Junior High Specific Notes Legend

02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
02 41 19.13 001	Remove Existing Louvers and/or Vent Fans @ Window Openings
02 41 19.16 001	Remove Bleacher wall and seats as indicated; cut with straight flush cuts; support as need with like material
02 41 19.16 002	Preserve wall and corner post; take care to protect post from damage
02 41 19.16 003	Remove Ceiling & Grid
02 82 13.19 001	Remove all asbestos containing flooring to substrate
02 83 19.13 002	No cuts into painted surfaces shall be made without HEPA vacuum equipment
03 05 05 001	Score concrete before demo to ensure clean line upon concrete removal
03 05 05 002	Remove concrete as needed to install plumbing in new configuration
04 21 13 001	Hashed Areas indidcate decorative penetrations thru wall assembly; repeat pattern on north wall also
04 21 13 002	Soldier course Brick
04 21 13 003	Rowlock Brick
04 21 13 004	Install Solid Brick Wall here (2 wythes; reinforce with #3 rebar vertically @ 24" CC & horizontally @ 16" CC)
04 28 23 002	6" CMU Wall; Set plumb/level/flush with mortar to roof/floor deck
04 28 23 003	Cap end wall where demo cut made with finished block
05 70 00 001	Embed Barrel hinge J Bolt with weldable bracket for gate attachment
05 70 00 002	Install child safety gate latch and catch
05 70 00 004	1x.5 Solid Bar @ 36" AFF
05 70 00 005	.5" Solid Bar @ 4" CC
05 73 13 001	Install Frameless 3/4" Tempered Glazing Rail 12" High with Eased Edges as Gaurdrail
07 21 00 002	Suspend sound attenuating batt insulation from floor deck above in this room
08 01 14 002	Flip door/jamb assembly; replace hardware with new; make standard carpentry repairs to door panel as needed
08 01 51 001	Replace any damaged glass at existing windows in space
08 01 51 002	Clean frames and glass throughout space
08 05 05 001	Remove Door Panel, Jambs, & Trim in their entirety; keep undamaged for reuse
08 11 13 001	Install new HM door with lite and welded frame
08 43 13 001	Install new storefront into existing opening for climate control of Auditorium
08 51 13 001	Install new aluminum windows to matching others at same level and facade
08 71 00 001	Replace existing door hardware with new
09 01 20 003	Repair column smooth where wall demoed
09 01 60.91 001	Sand floors smooth and bare; re stain and seal; include painted lines for volleyball & basketball court play
09 01 60.91 002	Repair any damaged wood with like material; splice in so that boards do not align across rows for at least 1/3 of each boards' length
09 01 60.91 003	Preserve detailed logo at center court
09 05 05 03	Install leveling compound as needed for smooth appearance of new tile, typical on new floor tile
09 21 16 007	New 6" Metal Stud wall, wrapped with 5/8" sheetrock & painted
09 30 00 001	Install new floor tile; slope to floor drain is drain provided
09 30 00 002	Install new wall tile flush and straight, floor to ceiling
09 30 00 003	Install accent tile at this wall
09 51 00 01	Install New 2x2 Lay In Ceiling
09 51 00 02	Contractor shall coordinate all Ceiling grills, fixtures, sprinklers, etc. and provide refinished or new for new installation
09 51 23 001	Install New Grid and Ceiling Tile
09 60 00 001	Install clear sealer at concrete floors; install new rubber base at these floors
09 61 00 001	Paint lines at floor for new volley ball court according to USA Volley Ball Regulations
09 65 16 001	Install new multi purpose rubber flooring with floor detailing for basketball & volleyball; install volley ball net inserts
09 65 19 001	Install new LVT flooring; coordinate material & pattern with Owner
09 65 19.19 003	Install leveling compound as needed for smooth appearance of new VCT.
09 91 23 001	Paint all structural members, surfaces, and underside of roof deck
09 91 23 002	Paint and patch all plaster as needed for new wall finish throughout; patching shall be with like material
09 91 23 003	Paint all trim & jambs as well as any previously painted mullions/muttins throughout
09 91 23 005	Coordinate with owner plywood backboard to be removed and discarded
09 91 23 006	Coordinate with owner Pepsi Scoreboards to be removed and discarded
09 91 23 007	Prep, prime, & paint built-in shelving
09 91 23 008	Patch damaged bead board @ roof by overlapping with similar sized wood (approximately 6 different locations for around 90 sqft); prime and paint wood
09 91 23 010	Prep, Prime, & Paint all hard surfaces at ceiling and upper walls in stair
09 97 13.23 001	Finish all steel members with primer & enamel paint

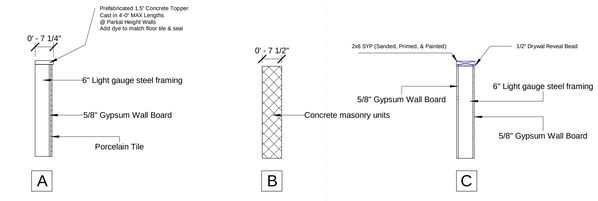
10 11 16 001	Provide and install 84"x48" markerboard
10 11 23 001	Provide and install 84"x48" tackboard
10 28 13 001	Install wall hung mirror here; center over fixture unless noted otherwise
10 28 13 002	Install hand dryer here; coordinate with electrical & mechanical
11 66 00 001	Provide and install equipment for volley ball court
12 67 23 001	New bench seat; glue up pine slab with no visible joints when painted; paint same as other bench tops
22 05 05 001	Remove Fixtures and Partitions
22 42 00 002	Coordinate new fixture installations with mechanical, typical for new
22 47 13 001	Install double drinking fountain here with bottle filler at one unit; coordinate with mechanical & electrical drawings
22 47 13 002	Install single drinking fountain with bottle filler here; coordinate with mechanical & electrical drawings
32 31 13 001	Install new 6'- 0" tall chain link fence with gate

Project Coordination

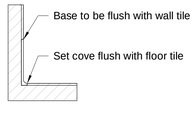
1. Mechanical work within ESSR funding shall take place along side this project under a different contract. All work shall be coordinated with that contractor and work shall be scheduled in accordance with this coordination.
2. Examples of work to be coordianted:
   A. Demolition for ceilings shall be performed inaccordnance with this contract, while demolition of mechanical in same space shall be performed under separate contract
   B. New ceilings under this contract shall not be installed until and after new mechacnical has been installed in same space by separate contractor.
3. The engineer over this mechanical work is:

CMTA, Inc.
8801 J M Keynes Dr Suite 240,
Charlotte, NC 28262
(704) 376-7072
Contact: Matt Wade
(MWade@cmta.com)

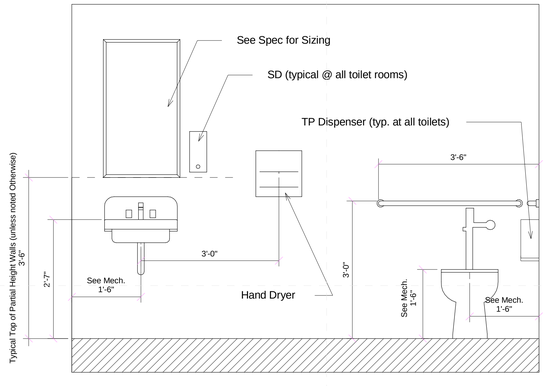
Building Standards



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



Typical Base Tile Installation
1 1/2" = 1'-0"



Typical Toilet Room Wall
3/4" = 1'-0"

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Pontotoc City Schools
PCS Junior High School: 132 N Main St, Pontotoc, MS 38863
ESSR 2&3

Construction Documents

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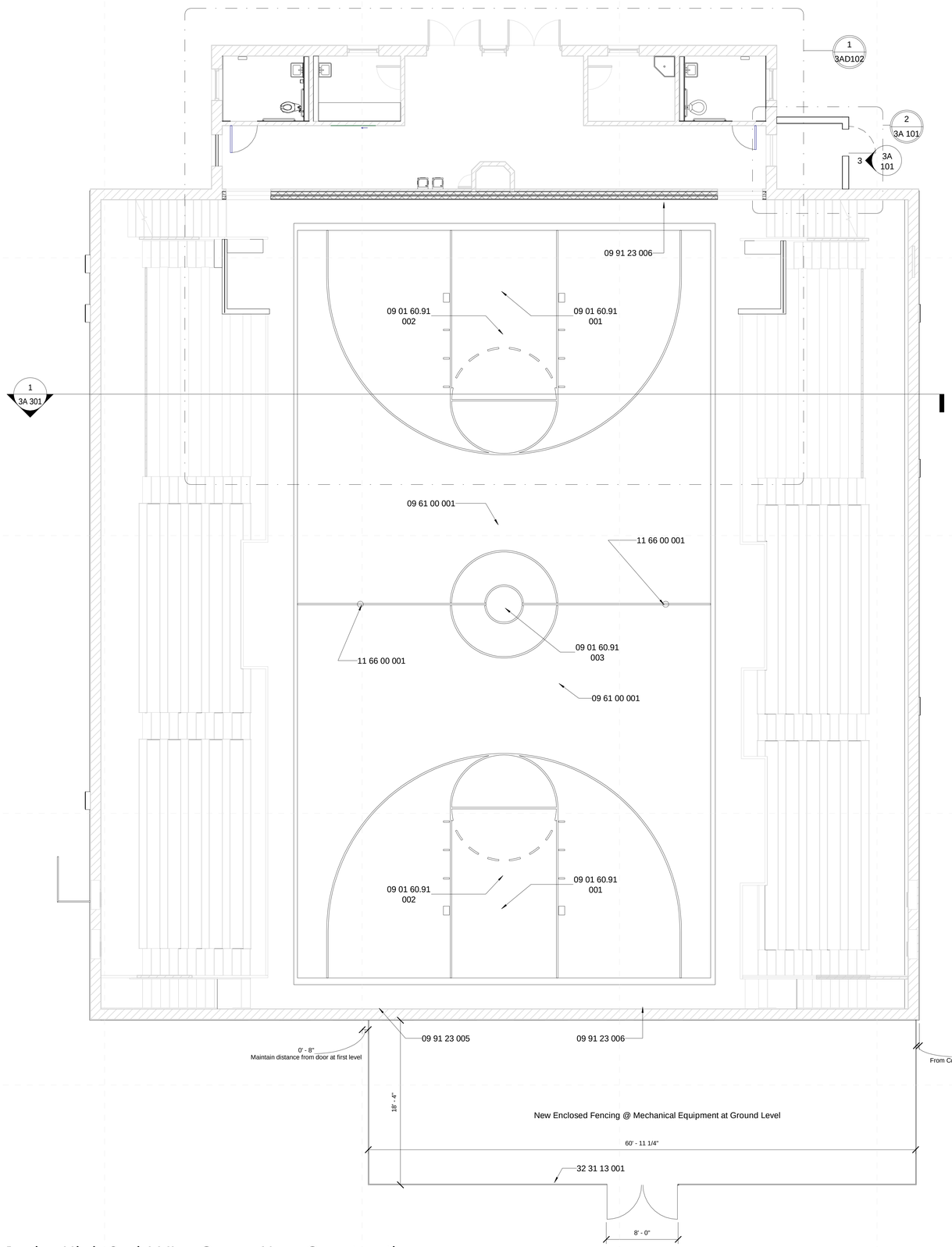
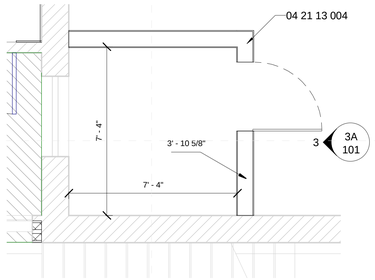
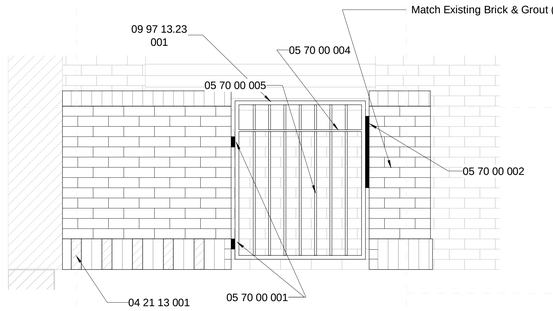
Junior High General Sheet



1 PCS Junior High 2nd LVL - Gym - New Construction
3/16" = 1'-0"



2 Brick Enclosure
3/8" = 1'-0"



3 Brick Enclosure Detail
3/4" = 1'-0"

General Finish Notes

1. Prep floors; secure loose substrates
2. Install new LVT at all floors unless noted otherwise
3. Install new rubber base at all new floors except for tile floors; install new tile base at tile floors
4. Install new rubber treads and base at both south stairs
5. Remove all items from surfaces that can be removed, including padded wall panels, before painting surfaces.
6. Prep, prime, and paint all walls, trim and previously painted surfaces at interior; take care to fill holes as part of general prep even if they have not been filled in previous paint work.
7. Paint all previously painted jambs and doors including both sides of exterior doors and storefront attached therein
8. Paint all previously painted built in shelving, including metal lockers
9. Rehab Aluminum Windows:
   A. Replace painted glazing with frosted glass panels
   B. Ensure operability at all operable units
   C. Replace cracked or damaged glazing with new
   D. Clean all glazing
10. Install new ADA Grab Bars at all ADA/AMB Stalls
11. Install new wall tile floor to ceiling @ toilet rooms
12. Re-hang all wood doors (existing & tagged on plan); repair hardware to working order or replace; make standard carpentry repairs at door panels as needed
13. Include new room signage @ all rooms; coordinate naming and numbering with owner

Specific Notes

04 21 13 001	Hashed Areas indidcate decorative penetrations thru wall assembly; repeat pattern on north wall also
04 21 13 004	Install Solid Brick Wall here (2 wythes; reinforce with #3 rebar vertically @ 24" CC & horizontally @ 16" CC)
05 70 00 001	Embed Barrel hinge J Bolt with weldable bracket for gate attachment
05 70 00 002	Install child safety gate latch and catch
05 70 00 004	1x.5 Solid Bar @ 36" AFF
05 70 00 005	.5" Solid Bar @ 4" CC
09 01 60.91 001	Sand floors smooth and bare; re stain and seal; include painted lines for volleyball & basketball court play
09 01 60.91 002	Repair any damaged wood with like material; splice in so that boards do not align across rows for at least 1/3 of each boards' length
09 01 60.91 003	Preserve detailed logo at center court
09 61 00 001	Paint lines at floor for new volley ball court according to USA Volley Ball Regulations
09 91 23 005	Coordinate with owner plywood backboard to be removed and discarded
09 91 23 006	Coordinate with owner Pepsi Scoreboards to be removed and discarded
09 97 13.23 001	Finish all steel members with primer & enamel paint
11 66 00 001	Provide and install equipment for volley ball court
32 31 13 001	Install new 6'- 0" tall chain link fence with gate

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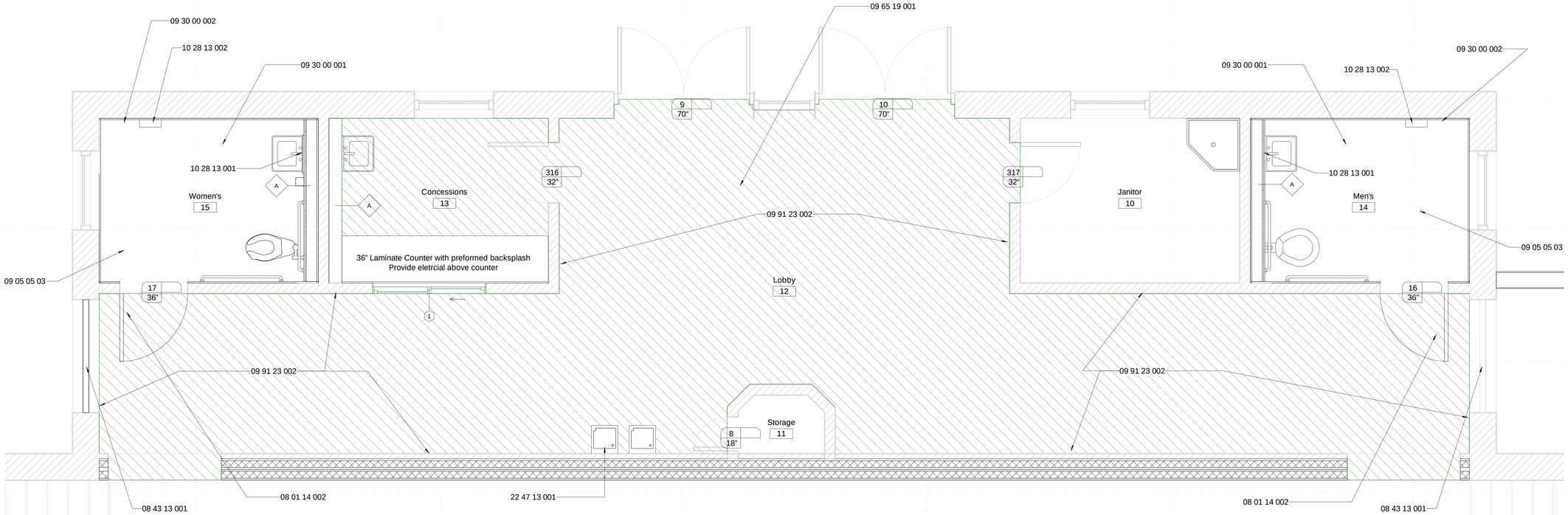
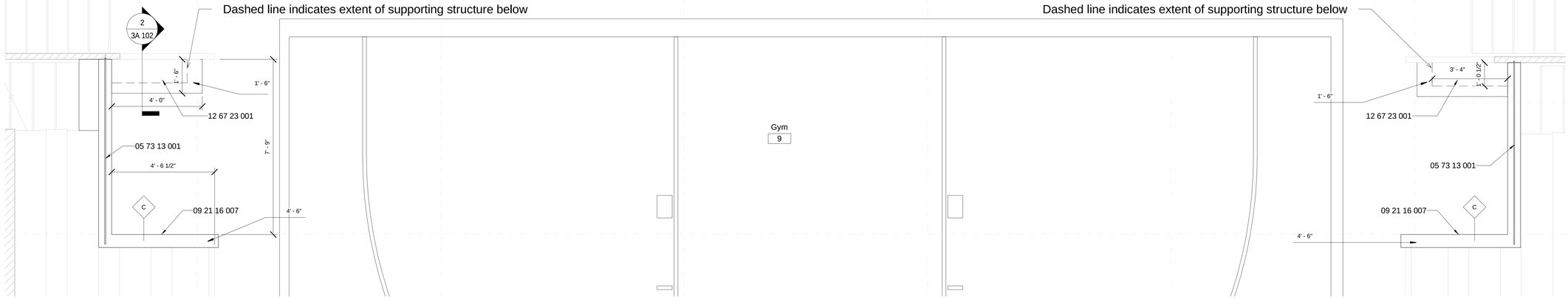
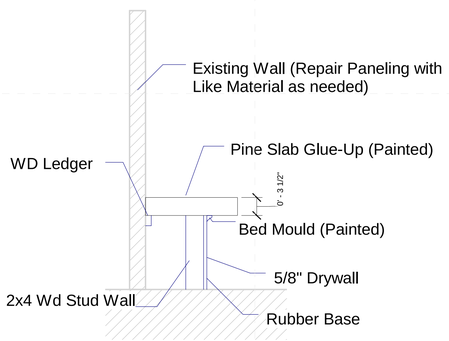
New Construction





1 PCS Junior High School 2nd LVL - Concessions - New Construction

1/2" = 1'-0"



2 New Bench Seat

1" = 1'-0"

Concessions Toilet Room Schedule

Number	Name	Area	Floor Finish	Base Finish	Wall Finish	Height	Ceiling Finish	Num
14	Men's	64.29 SF	3x3 Floor Tile (CT003)	Tile Base to match floor	Wall tile (CT002) for all walls (multiple tile colors in use: coordinate pattern with architect)	8' - 0"	ACT	14
15	Women's	64.29 SF	3x3 Floor Tile (CT003)	Tile Base to match floor	Wall tile (CT002) for all walls (multiple tile colors in use: coordinate pattern with architect)	8' - 0"	ACT	15

JH Concessions Door Schedule

Door #	Location	Function	Construction Type	Height	Width	Thickness	Operation	Frame Material	Finish	Fire Rating	Hardware Set	Comments	Mark
316	Concessions	Interior	Existing	6' - 8"	2' - 8"	0' - 2"	Swing	Wood	Painted	None	02 Entry		316
317	Concessions	Interior	Existing	6' - 8"	2' - 8"	0' - 2"	Swing	Wood	Painted	None	04 Storage		317
8	Concessions	Interior	Existing	6' - 8"	1' - 6"	0' - 2"	Swing	Wood	Painted	None	04 Storage		8
9	Concessions	Exterior	Existing	6' - 11"	5' - 10"	0' - 1 3/4"	Swing	Metal	Painted	None	01 Panic Exit		9
10	Concessions	Exterior	Existing	6' - 11"	5' - 10"	0' - 1 3/4"	Swing	Metal	Painted	None	01 Panic Exit		10
16	Concessions	Interior	Matching Wood	6' - 8"	3' - 0"	0' - 2"	Swing	Wood	Painted	None	05 Privacy		16
17	Concessions	Interior	Matching Wood	6' - 8"	3' - 0"	0' - 2"	Swing	Wood	Painted	None	05 Privacy		17

JH Concessions Window Schedule

Window #	Function	Construction Type	Height	Width	Sill Height	Operation	Frame Material	Finish	Fire Rating	Hardware	Comments	Mark
1	Sliding	Aluminum	2' - 0"	5' - 0"	3' - 0"	Sliding	Aluminum	Anondized	None	Lockable		1

JH Concessions Notes

A. Tile walls full height throughout toilet rooms.
B. Coordinate wall tile pattern in toilet rooms with architect.
C. Install new hardware at all doors (hinges, lockets, panics, kick plates)

General Finish Notes

1. Prep floors; secure loose substrates
2. Install new LVT at all floors unless noted otherwise
3. Install new rubber base at all new floors except for tile floors; install new tile base at tile floors
4. Install new rubber treads and base at both south stairs
5. Remove all items from surfaces that can be removed, including padded wall panels, before painting surfaces.
6. Prep, prime, and paint all walls, trim and previously painted surfaces at interior; take care to fill holes as part of general prep even if they have not been filled in previous paint work.
7. Paint all previously painted jambs and doors including both sides of exterior doors and storefront attached therein
8. Paint all previously painted built in shelving, including metal lockers
9. Rehab Aluminum Windows:
   A. Replace painted glazing with frosted glass panels
   B. Ensure operability at all operable units
   C. Replace cracked or damaged glazing with new
   D. Clean all glazing
10. Install new ADA Grab Bars at all ADA/AMB Stalls
11. Install new wall tile floor to ceiling @ toilet rooms
12. Re-hang all wood doors (existing & tagged on plan); repair hardware to working order or replace; make standard carpentry repairs at door panels as needed
13. Include new room signage @ all rooms; coordinate naming and numbering with owner

Specific Notes

05 73 13 001	Install Frameless 3/4" Tempered Glazing Rail 12" High with Eased Edges as Gaurdrail
08 01 14 002	Flip door/jamb assembly; replace hardware with new; make standard carpentry repairs to door panel as needed
08 43 13 001	Install new storefront into existing opening for climate control of Auditorium
09 05 05 03	Install leveling compound as needed for smooth appearance of new tile, typical on new floor tile
09 21 16 007	New 6" Metal Stud wall, wrapped with 5/8" sheetrock & painted
09 30 00 001	Install new floor tile; slope to floor drain is drain provided
09 30 00 002	Install new wall tile flush and straight, floor to ceiling
09 65 19 001	Install new LVT flooring; coordinate material & pattern with Owner
09 91 23 002	Paint and patch all plaster as needed for new wall finish throughout; patching shall be with like material
10 28 13 001	Install wall hung mirror here; center over fixture unless noted otherwise
10 28 13 002	Install hand dryer here; coordinate with electrical & mechanical
12 67 23 001	New bench seat; glue up pine slab with no visible joints when painted; paint same as other bench tops
22 47 13 001	Install double drinking fountain here with bottle filler at one unit; coordinate with mechanical & electrical drawings

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Pontotoc City Schools ESSR 2&3

PCS Junior High School: 132 N Main St, Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	

Revisions	Rev Date
SD	09/14/2021
DD	09/22/2021
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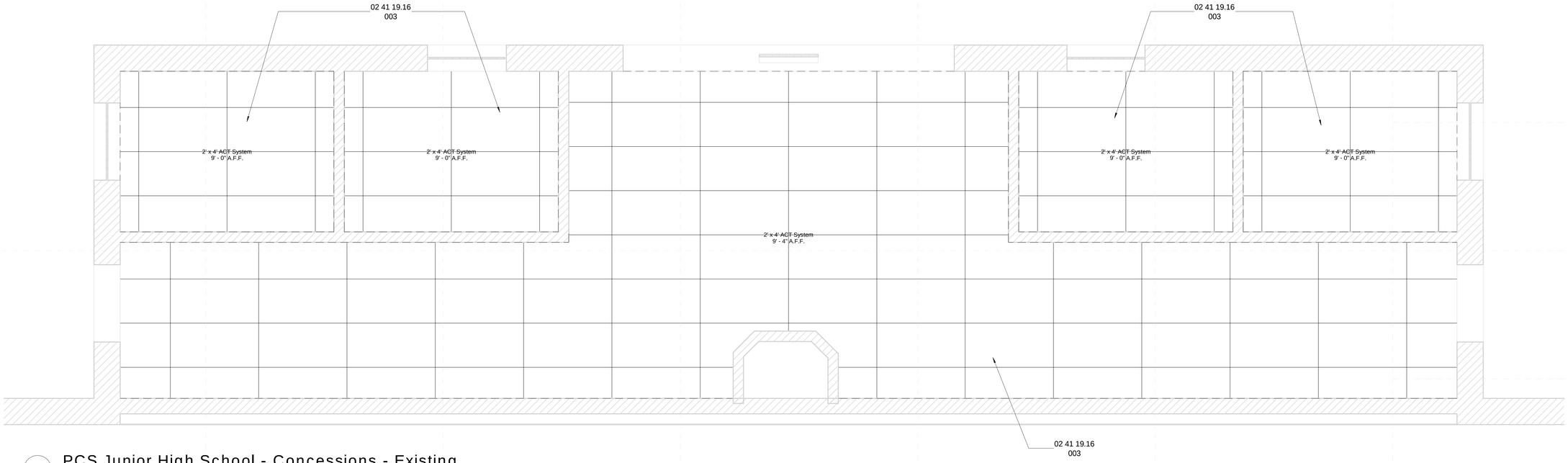
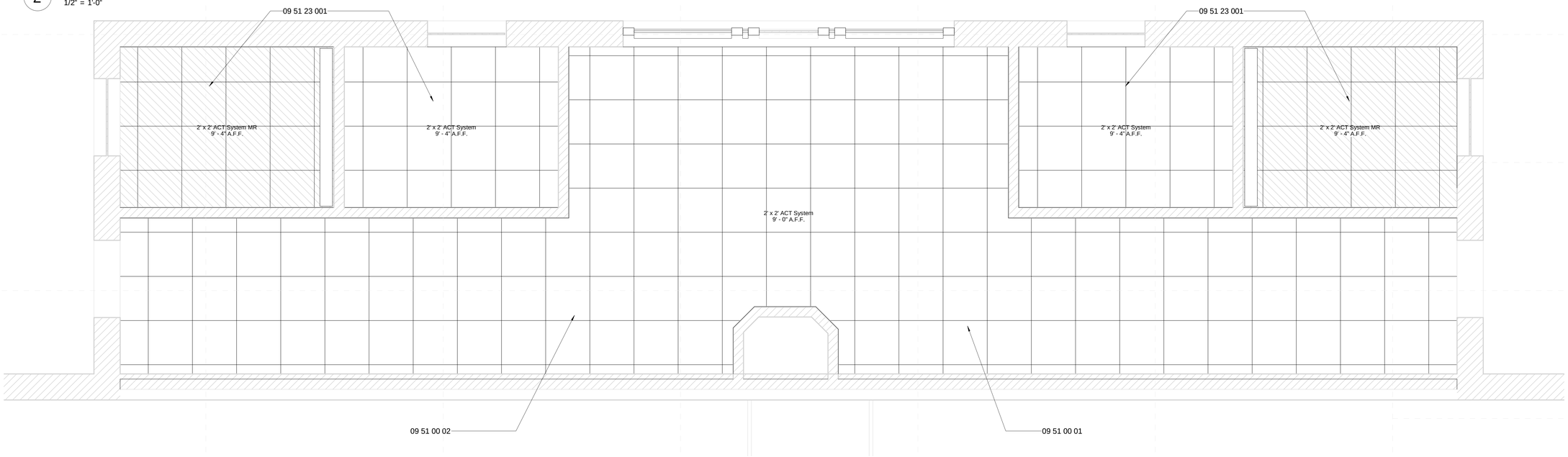
3A 102

Concessions



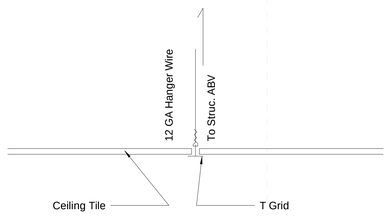
2 PCS Junior High School - Concessions - Existing

1/2" = 1'-0"



1 PCS Junior High School - Concessions - New Construction

1/2" = 1'-0"



Typical Ceiling Grid Support

3" = 1'-0"

General RCP Demolition Notes

1. Where ceiling transitions from new ceiling to existing ceiling, coordinate with Architect detail.
2. Remove all existing ceiling grid & tile unless noted otherwise, as well as any wall fasteners and/or mastics attached therein where shown to be replaced by new materials.
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted.
8. 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.
9. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.

General RCP Notes

1. All ceiling heights shall be same as existing or lower, unless noted otherwise.
2. Contractor shall paint all surfaces above 8'-0" at wall, roof, and ceiling, as well as anything attached therein at all rooms labeled OTS, unless noted otherwise
3. Repair/replace any and all ceiling damaged due to construction activities.
4. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

Specific Notes

02 41 19.16 003	Remove Ceiling & Grid
09 51 00 01	Install New 2x2 Lay In Ceiling
09 51 00 02	Contractor shall coordinate all Ceiling grills, fixtures, sprinklers, etc. and provide refinished or new for new installation
09 51 23 001	Install New Grid and Ceiling Tile

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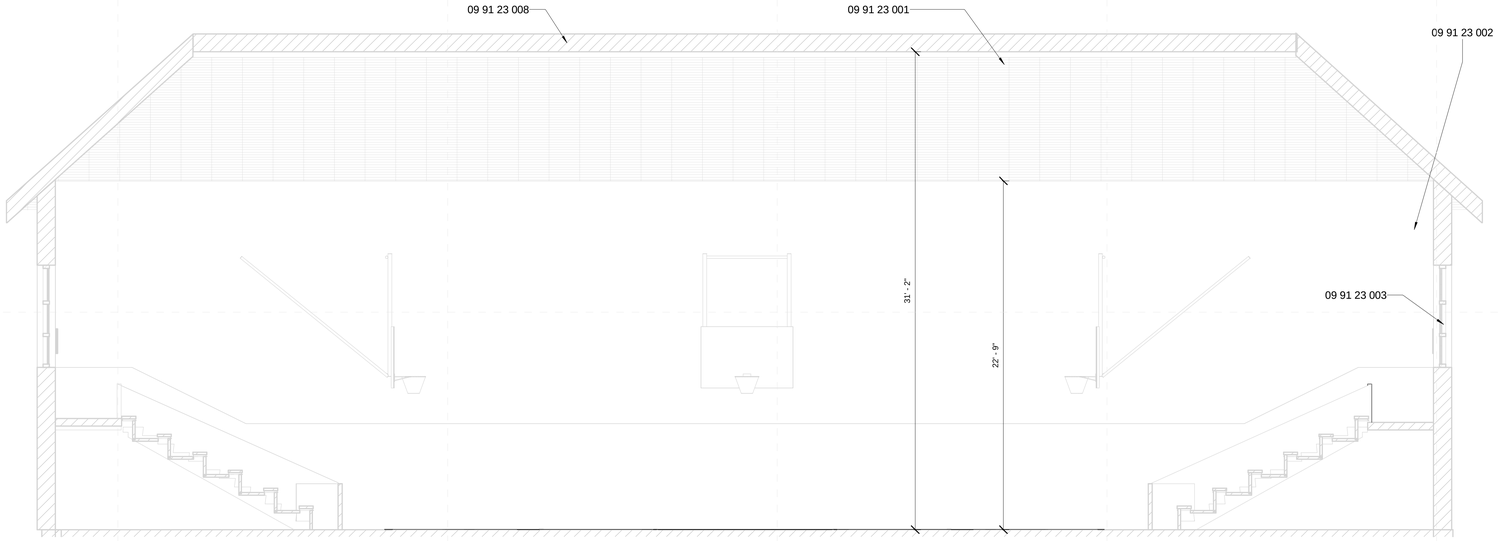
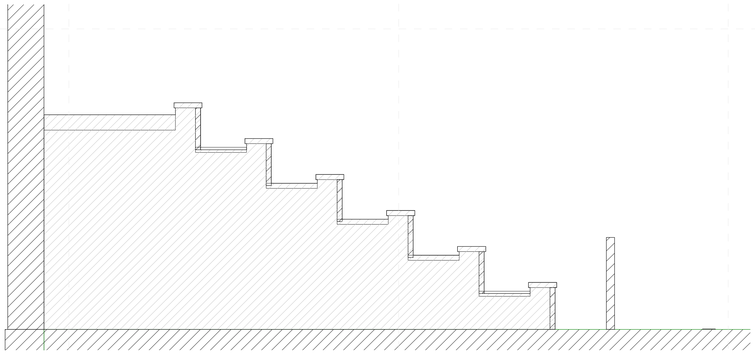
RCP - New Construction



1 Gym Level Section
1/4" = 1'-0"



2 Existing Bleachers
1/2" = 1'-0"

Example of Typical Repair

- LIFT DAMAGED BOARD AT STEP FRONT AND RESECURE
- ADD MISSING TRIM TO UNDERSIDE OF FRONT BOARD AS IS TYPICAL; MATCH PROFILE OF SIMILAR

General Finish Notes

1. Prep floors; secure loose substrates
2. Install new LVT at all floors unless noted otherwise
3. Install new rubber base at all new floors except for tile floors; install new tile base at tile floors
4. Install new rubber treads and base at both south stairs
5. Remove all items from surfaces that can be removed, including padded wall panels, before painting surfaces.
6. Prep, prime, and paint all walls, trim and previously painted surfaces at interior; take care to fill holes as part of general prep even if they have not been filled in previous paint work.
7. Paint all previously painted jambs and doors including both sides of exterior doors and storefront attached therein
8. Paint all previously painted built in shelving, including metal lockers
9. Rehab Aluminum Windows:
   A. Replace painted glazing with frosted glass panels
   B. Ensure operability at all operable units
   C. Replace cracked or damaged glazing with new
   D. Clean all glazing
10. Install new ADA Grab Bars at all ADA/AMB Stalls
11. Install new wall tile floor to ceiling @ toilet rooms
12. Re-hang all wood doors (existing & tagged on plan); repair hardware to working order or replace; make standard carpentry repairs at door panels as needed
13. Include new room signage @ all rooms; coordinate naming and numbering with owner

Specific Notes

09 91 23 001	Paint all structural members, surfaces, and underside of roof deck
09 91 23 002	Paint and patch all plaster as needed for new wall finish throughout; patching shall be with like material
09 91 23 003	Paint all trim & jambs as well as any previously painted mullions/muttins throughout
09 91 23 008	Patch damaged bead board @ roof by overlapping with similar sized wood (approximately 6 different locations for around 90 sqft); prime and paint wood

Bleacher Repair Notes

1. Repair any rot with new wood boards with matching profiles and density.
2. Any split wood shall be repaired with a standard carpentry glue repair only if and when the repaired wood appears as new after the repair is made.
3. All wood (painted or unpainted) shall be sanded with 120 Grit as preparation for new paint. It is not necessary to remove paint entirely as long as these requirements are met:
   A. wood is smooth in appearance and to the touch
   B. existing paint is not chipped or peeling
   C. no evidence of past or present issues concerning the proper adhesion of previosly painted surfaces exists
4. Existing roundovers and other profiles shall not be sanded so that they lose their detail.
5. Any new wood shall be primed and sanded for flush appearance and feel to it's neighboring members.
6. Any boards that are to be replaced within a field condition shall be spliced in so that joints in the field do not line up from one row to the next. Proximity of such joints shall not be closer than 1/3 the members typical length.
7. All woodwork that makes up the bleacher assembly, including but not limited to aisles, risers, treads, bench seats, flooring, partial height walls, etc. shall be primed, resanded with 150 grit sandpaper, and then coated with a minimum of 2 coats of an enamel paint.
8. Contractor shall provide a finished sample measuring no less than 10 square feet of woodwork for the architect's approval before repair is made to the rest of the bleacher project.

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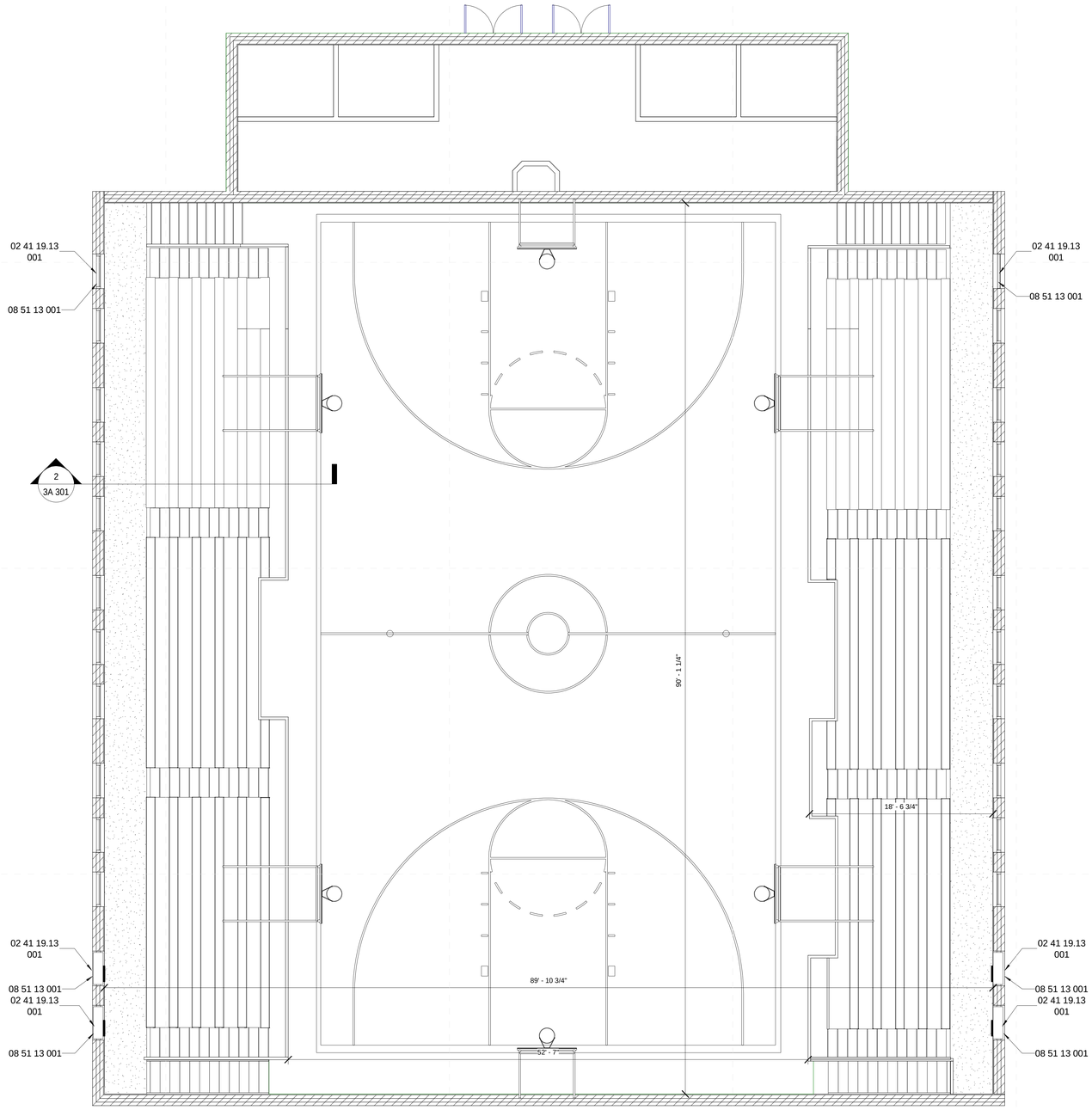
Upper Gym



1 PCS Junior High 2nd LVL - Gym - Demolition
3/16" = 1'-0"

General Demolition Notes

1. Where floor transitions from new floor to existing floor, a floor transition strip is to be provided. A knock-down frame is to be provided in place of the existing frame where the opening is a part of corridor.
2. Remove all existing flooring, ceiling tile, rubber base, etc.. where shown to be replaced by new materials in the finish schedule. RE: Floors plans, RCP, and Finish Schedule
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted
8. 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.
9. 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.
10. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
11. Remove all tile within bathrooms (floor & wall).
12. Remove partitions and existing fixtures.
13. Remove all ceiling tile & grid.

Specific Notes

02 41 19.13 001	Remove Existing Louvers and/or Vent Fans @ Window Openings
08 51 13 001	Install new aluminum windows to matching others at same level and facade

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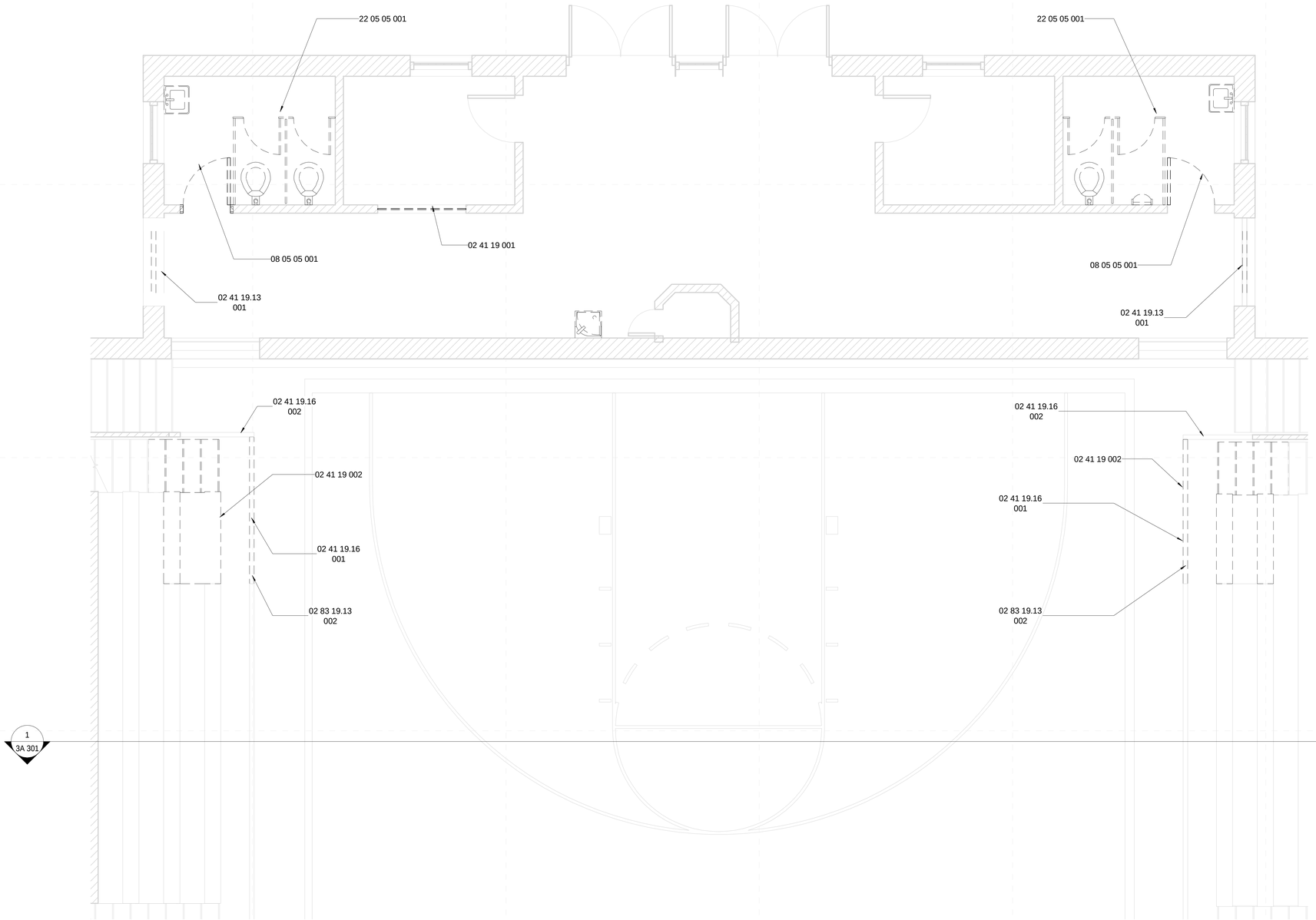
Composite Floor Plan



1 PCS Junior High School 2nd LVL - Concessions - Demo

3/8" = 1'-0"

General Demolition Notes

1. Where floor transitions from new floor to existing floor, a floor transition strip is to be provided. A knock-down frame is to be provided in place of the existing frame where the opening is a part of corridor.
2. Remove all existing flooring, ceiling tile, rubber base, etc.. where shown to be replaced by new materials in the finish schedule. RE: Floors plans, RCP, and Finish Schedule
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
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7. Refer to other discipline drawings for additional demolition information as noted
8. 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.
9. 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.
10. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
11. Remove all tile within bathrooms (floor & wall).
12. Remove partitions and existing fixtures.
13. Remove all ceiling tile & grid.

Specific Notes

02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
02 41 19.13 001	Remove Existing Louvers and/or Vent Fans @ Window Openings
02 41 19.16 001	Remove Bleacher wall and seats as indicated; cut with straight flush cuts; support as need with like material
02 41 19.16 002	Preserve wall and corner post; take care to protect post from damage
02 83 19.13 002	No cuts into painted surfaces shall be made without HEPA vacuum equipment
08 05 05 001	Remove Door Panel, Jambs, & Trim in their entirety; keep undamaged for reuse
22 05 05 001	Remove Fixtures and Partitions

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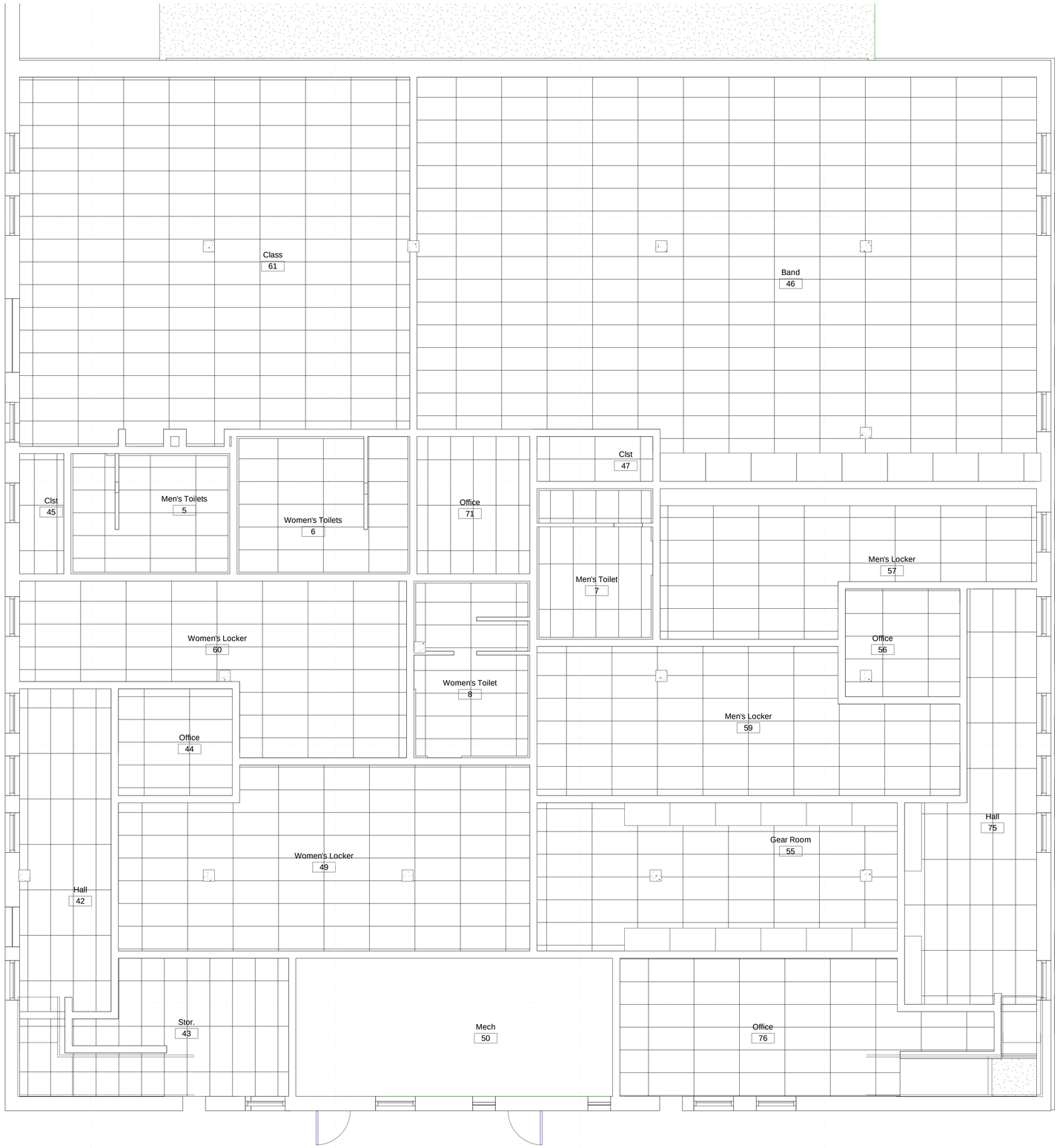
3AD102

Concessions



1 PCS Junior High School - Locker/Band - Demolition

1/4" = 1'-0"

General RCP Demolition Notes

1. Where ceiling transitions from new ceiling to existing ceiling, coordinate with Architect detail.
2. Remove all existing ceiling grid & tile unless noted otherwise, as well as any wall fasteners and/or mastics attached therein where shown to be replaced by new materials.
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted.
8. 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.
9. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.

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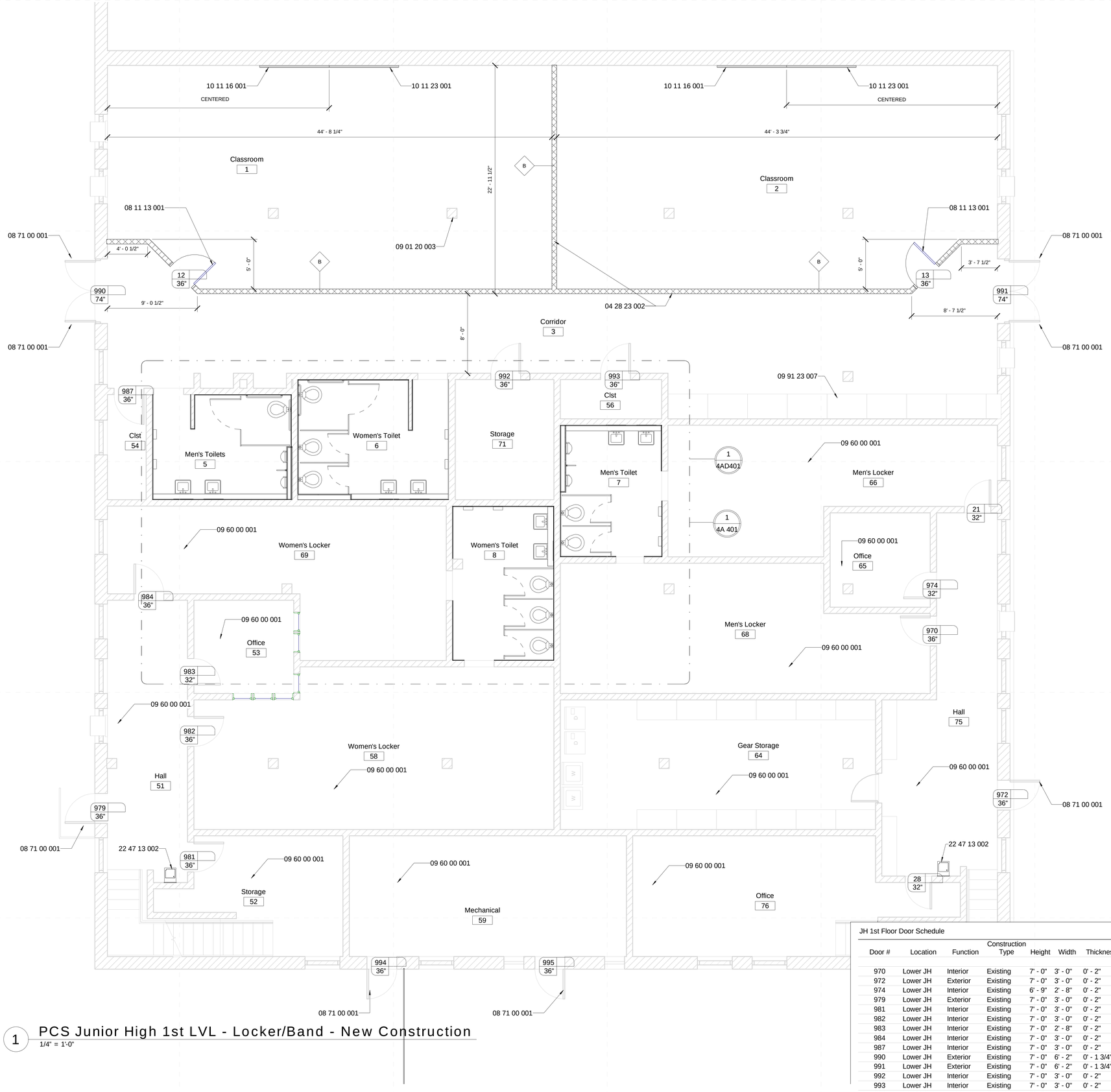
4A 041

RCP - Existing



1 PCS Junior High 1st LVL - Locker/Band - New Construction

1/4" = 1'-0"

General Finish Notes

1. Prep floors; secure loose substrates
2. Install new LVT at all floors unless noted otherwise
3. Install new rubber base at all new floors except for tile floors; install new tile base at tile floors
4. Install new rubber treads and base at both south stairs
5. Remove all items from surfaces that can be removed, including padded wall panels, before painting surfaces.
6. Prep, prime, and paint all walls, trim and previously painted surfaces at interior; take care to fill holes as part of general prep even if they have not been filled in previous paint work.
7. Paint all previously painted jambs and doors including both sides of exterior doors and storefront attached therein
8. Paint all previously painted built in shelving, including metal lockers
9. Rehab Aluminum Windows:
   - A. Replace painted glazing with frosted glass panels
   - B. Ensure operability at all operable units
   - C. Replace cracked or damaged glazing with new
   - D. Clean all glazing
10. Install new ADA Grab Bars at all ADA/AMB Stalls
11. Install new wall tile floor to ceiling @ toilet rooms
12. Re-hang all wood doors (existing & tagged on plan); replace hardware with new per door schedule; make standard carpentry repairs at door panels as needed
13. Include new room signage @ all rooms; coordinate naming and numbering with owner

Specific Notes

04 28 23 002	6" CMU Wall; Set plumb/level/flush with mortar to roof/floor deck
08 11 13 001	Install new HM door with lite and welded frame
08 71 00 001	Replace existing door hardware with new
09 01 20 003	Repair column smooth where wall demoed
09 60 00 001	Install clear sealer at concrete floors; install new rubber base at these floors
09 91 23 007	Prep, prime, & paint built-in shelving
10 11 16 001	Provide and install 84"x48" markerboard
10 11 23 001	Provide and install 84"x48" tackboard
22 47 13 002	Install single drinking fountain with bottle filler here; coordinate with mechanical & electrical drawings

JH 1st Floor Door Schedule

Door #	Location	Function	Construction Type	Height	Width	Thickness	Operation	Frame Material	Finish	Fire Rating	Lockset	Comments	Mark
970	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	03 Passage		970
972	Lower JH	Exterior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing	Painted	None	01 Panic Exit		972
974	Lower JH	Interior	Existing	6' - 9"	2' - 8"	0' - 2"	Swing	Existing	Painted	None	05 Privacy		974
979	Lower JH	Exterior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	01 Panic Exit		979
981	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	04 Storage		981
982	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	03 Passage		982
983	Lower JH	Interior	Existing	7' - 0"	2' - 8"	0' - 2"	Swing	Existing		None	05 Privacy		983
984	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	03 Passage		984
987	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	04 Storage		987
990	Lower JH	Exterior	Existing	7' - 0"	6' - 2"	0' - 1 3/4"	Swing	Existing	Painted	None	01 Panic Exit		990
991	Lower JH	Exterior	Existing	7' - 0"	6' - 2"	0' - 1 3/4"	Swing	Existing	Painted	None	01 Panic Exit		991
992	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	04 Storage		992
993	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	03 Passage		993
994	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	02 Entry		994
995	Lower JH	Interior	Existing	7' - 0"	3' - 0"	0' - 2"	Swing	Existing		None	02 Entry		995
12	Lower JH	Interior	HM	7' - 0"	3' - 0"	0' - 1 3/4"	Swing	Metal	Painted	None	02 Entry	Include Lite NTE 288 Sq Inches	12
13	Lower JH	Interior	HM	7' - 0"	3' - 0"	0' - 1 3/4"	Swing	Metal	Painted	None	02 Entry	Include Lite NTE 288 Sq Inches	13
21	Lower JH	Interior	Existing	6' - 9"	2' - 8"	0' - 2"	Swing	Existing		None	03 Passage		21
28	Lower JH	Interior	Existing	7' - 0"	2' - 8"	0' - 2"	Swing	Existing		None	05 Privacy		28

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Pontotoc City Schools ESSR 2&3

PCS Junior High School: 132 N Main St, Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	

Revisions	Rev Date
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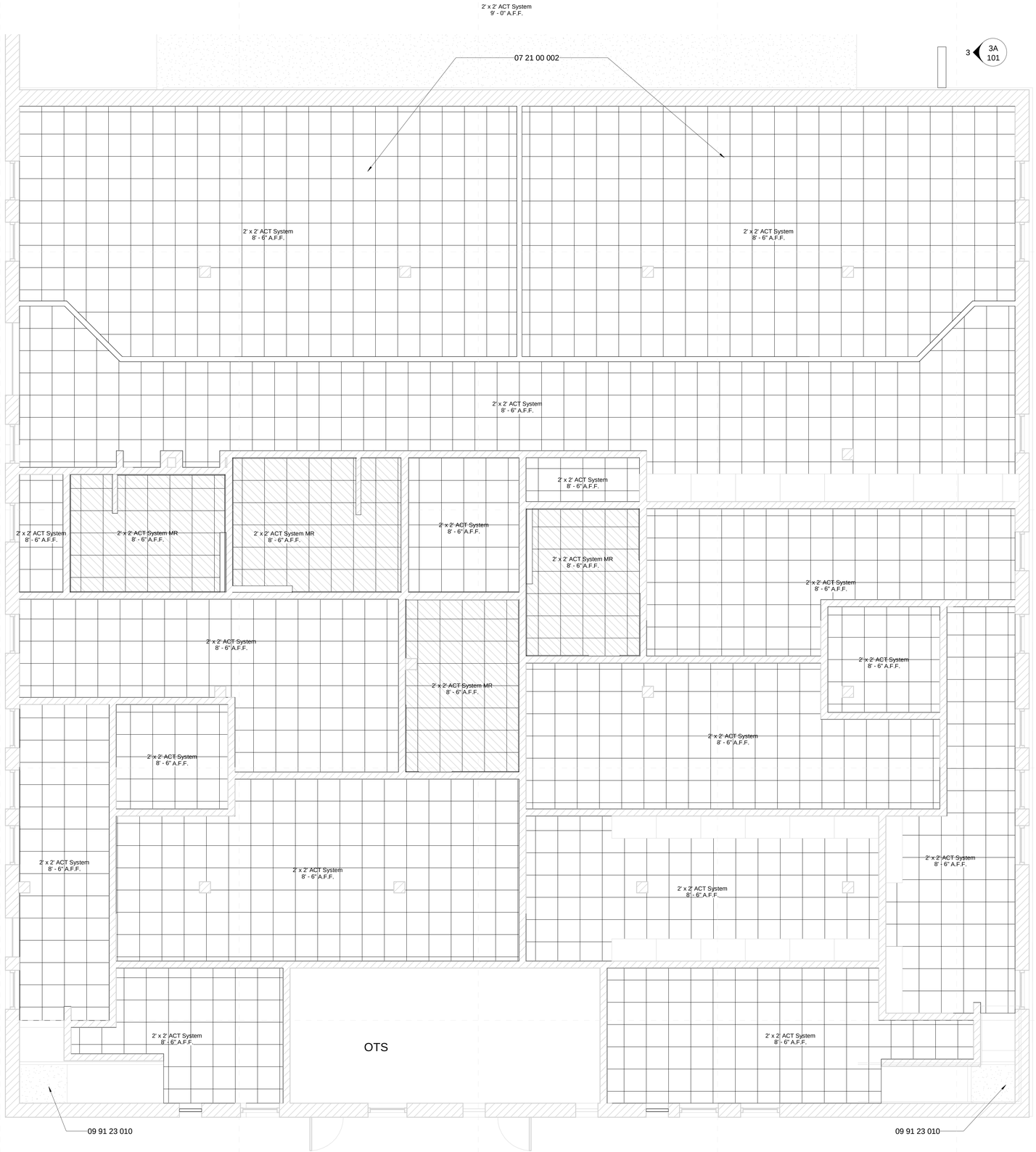
4A 101

Composite Floor Plan



1 PCS Junior High School - Locker/Band - New Construction

1/4" = 1'-0"

General RCP Notes

1. All ceiling heights shall be same as existing or lower, unless noted otherwise.
2. Contractor shall paint all surfaces above 8'-0" at wall, roof, and ceiling, as well as anything attached therein at all rooms labeled OTS, unless noted otherwise
3. Repair/replace any and all ceiling damaged due to construction activities.
4. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

Specific Notes

07 21 00 002	Suspend sound attenuating batt insulation from floor deck above in this room
09 91 23 010	Prep, Prime, & Paint all hard surfaces at ceiling and upper walls in stair

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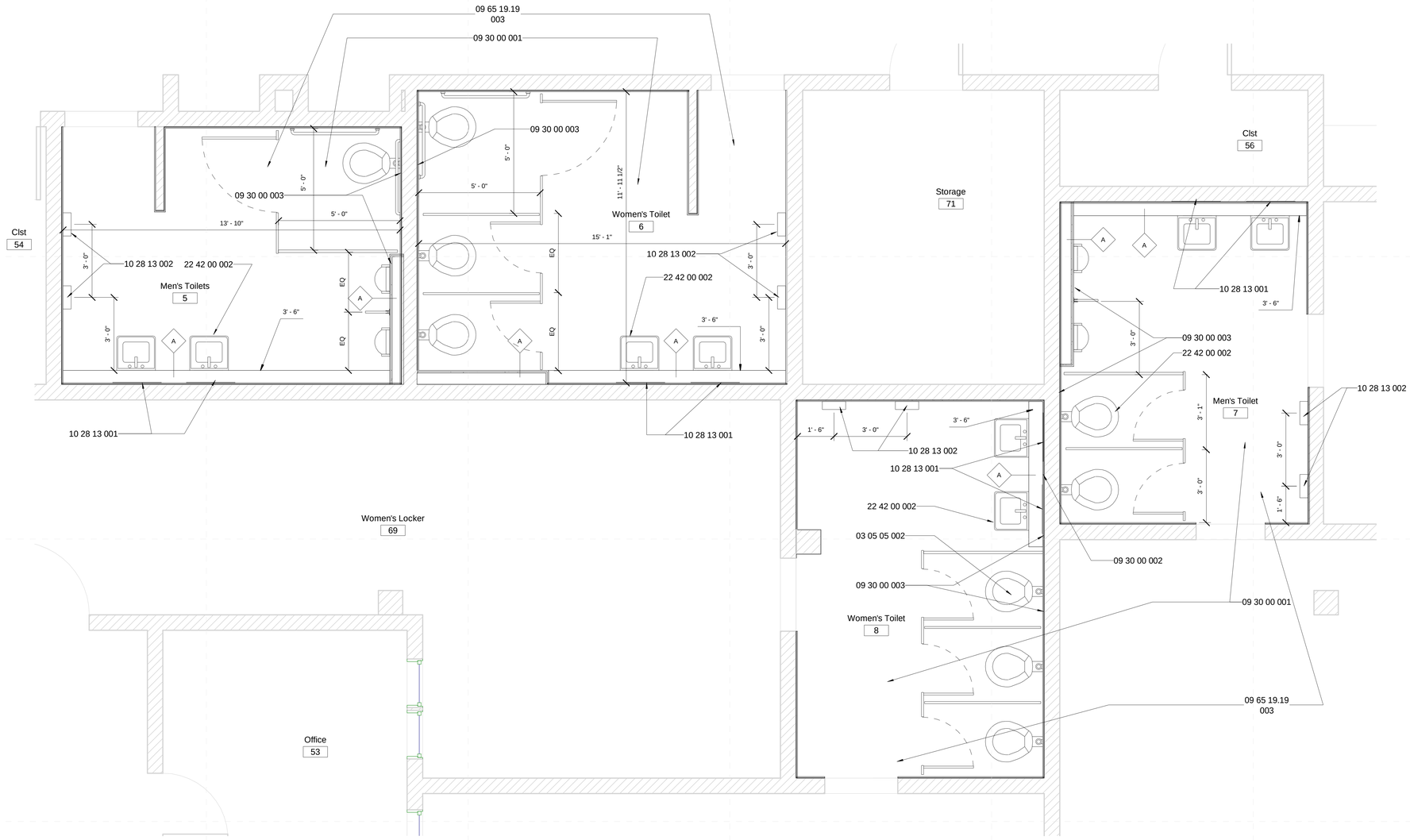
4A 141

RCP - New Construction



1 PCS Junior High 1st LVL - Toilets

1/2" = 1'-0"

General Finish Notes

1. Prep floors; secure loose substrates
2. Install new LVT at all floors unless noted otherwise
3. Install new rubber base at all new floors except for tile floors; install new tile base at tile floors
4. Install new rubber treads and base at both south stairs
5. Remove all items from surfaces that can be removed, including padded wall panels, before painting surfaces.
6. Prep, prime, and paint all walls, trim and previously painted surfaces at interior; take care to fill holes as part of general prep even if they have not been filled in previous paint work.
7. Paint all previously painted jambs and doors including both sides of exterior doors and storefront attached therein
8. Paint all previously painted built in shelving, including metal lockers
9. Rehab Aluminum Windows:
   - A. Replace painted glazing with frosted glass panels
   - B. Ensure operability at all operable units
   - C. Replace cracked or damaged glazing with new
   - D. Clean all glazing
10. Install new ADA Grab Bars at all ADA/AMB Stalls
11. Install new wall tile floor to ceiling @ toilet rooms
12. Re-hang all wood doors (existing & tagged on plan); repair hardware to working order or replace; make standard carpentry repairs at door panels as needed
13. Include new room signage @ all rooms; coordinate naming and numbering with owner

JH Toilet Room Notes

- A. Floor Tile pattern shall be staggered in thirds and run lengthwise in toilet rooms at floor, continuing in same pattern at designated accent wall
- B. Unless otherwise noted, 5/8" sheetrock shall be installed above partial height walls to a MIN of 4" above ceiling grid. Tile walls full height elsewhere throughout toilet rooms.
- C. Coordinate wall tile pattern with architect.

Specific Notes

03 05 05 002	Remove concrete as needed to install plumbing in new configuration
09 30 00 001	Install new floor tile; slope to floor drain is drain provided
09 30 00 002	Install new wall tile flush and straight, floor to ceiling
09 30 00 003	Install accent tile at this wall
09 65 19.19 003	Install leveling compound as needed for smooth appearance of new VCT.
10 28 13 001	Install wall hung mirror here; center over fixture unless noted otherwise
10 28 13 002	Install hand dryer here; coordinate with electrical & mechanical
22 42 00 002	Coordinate new fixture installations with mechanical, typical for new

JH Toilet Room Schedule

Number	Name	Area	Floor Finish	Base Finish	Wall Finish	Height	Ceiling Finish	Num
5	Men's Toilets	134.33 SF	12x24 Tile (CT001)	Tile Base to match floor	Differs: Floor Tile (CT001) to continue floor pattern @ accent wall; wall tile (CT002) for all other walls (multiple tile colors in use: coordinate pattern with architect); painted gypsum with epoxy Paint	8' - 0"	ACT	5
6	Women's Toilet	170.47 SF	12x24 Tile (CT001)	Tile Base to match floor	Differs: Floor Tile (CT001) to continue floor pattern @ accent wall; wall tile (CT002) for all other walls (multiple tile colors in use: coordinate pattern with architect); painted gypsum with epoxy Paint	8' - 0"	ACT	6
7	Men's Toilet	124.51 SF	12x24 Tile (CT001)	Tile Base to match floor	Differs: Floor Tile (CT001) to continue floor pattern @ accent wall; wall tile (CT002) for all other walls (multiple tile colors in use: coordinate pattern with architect); painted gypsum with epoxy Paint	8' - 0"	ACT	7
8	Women's Toilet	151.24 SF	12x24 Tile (CT001)	Tile Base to match floor	Differs: Floor Tile (CT001) to continue floor pattern @ accent wall; wall tile (CT002) for all other walls (multiple tile colors in use: coordinate pattern with architect); painted gypsum with epoxy Paint	8' - 0"	ACT	8

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Pontotoc City Schools ESSR 2&3

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4A 401

Toilet Room Plans

1 PCS Junior High 1st LVL - Locker/Band - Demo

1/4" = 1'-0"

General Demolition Notes

1. Where floor transitions from new floor to existing floor, a floor transition strip is to be provided. A knock-down frame is to be provided in place of the existing frame where the opening is a part of corridor.
2. Remove all existing flooring, ceiling tile, rubber base, etc.. where shown to be replaced by new materials in the finish schedule. RE: Floors plans, RCP, and Finish Schedule
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted
8. 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.
9. 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.
10. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
11. Remove all tile within bathrooms (floor & wall).
12. Remove partitions and existing fixtures.
13. Remove all ceiling tile & grid.

Specific Notes

02 41 19 001	Dashed lines indicated extent of demoed work
02 82 13.19 001	Remove all asbestos containing flooring to substrate

Additional Demo Notes

A. Remove all floor tile to concrete subtrate including mastics and glues; sand for smooth finish

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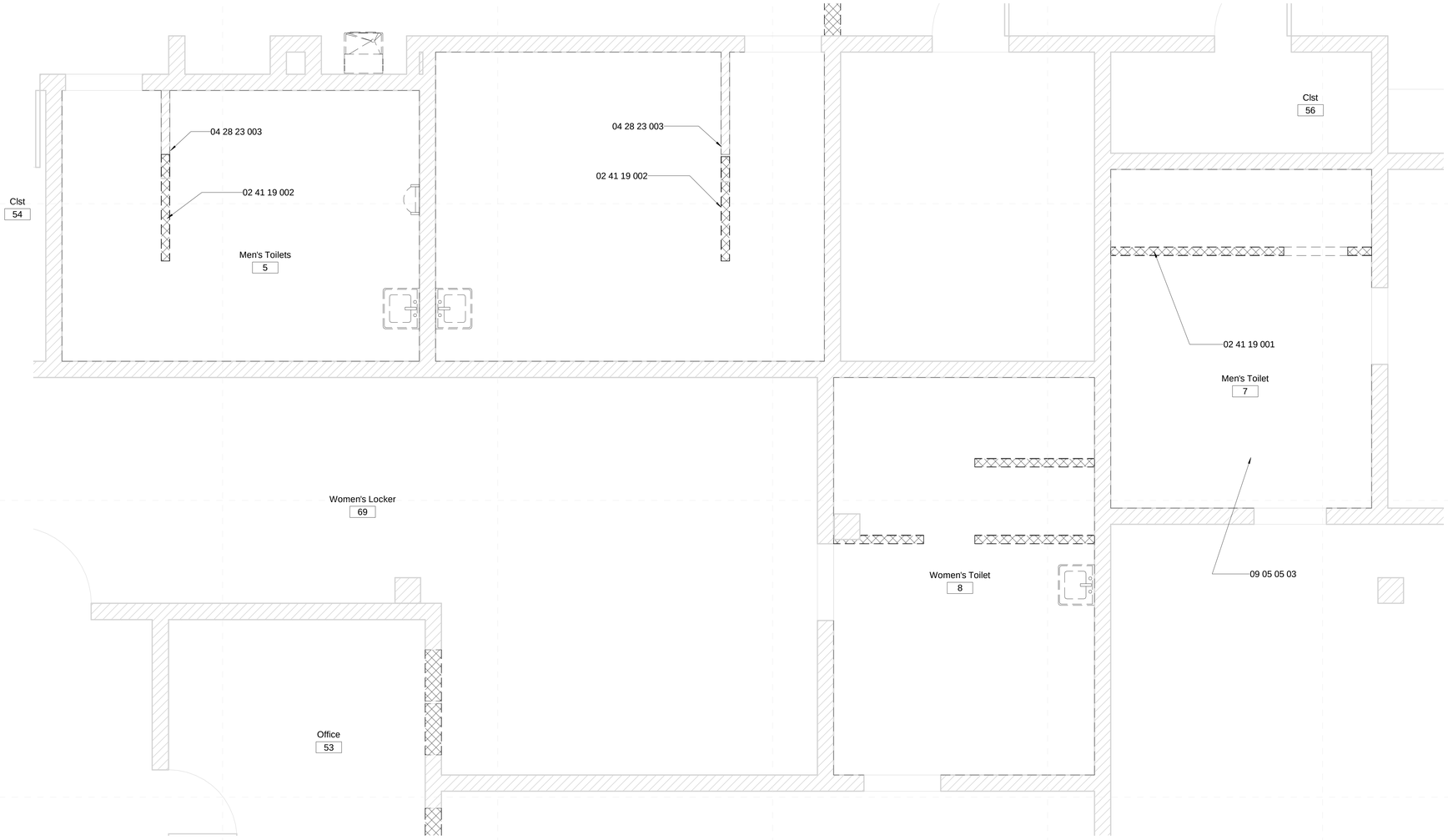
Demolition Plan



1 PCS Junior High 1st LVL - Toilets DEMO
1/2" = 1'-0"

General Demolition Notes

1. Where floor transitions from new floor to existing floor, a floor transition strip is to be provided. A knock-down frame is to be provided in place of the existing frame where the opening is a part of corridor.
2. Remove all existing flooring, ceiling tile, rubber base, etc.. where shown to be replaced by new materials in the finish schedule. RE: Floors plans, RCP, and Finish Schedule
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted
8. 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.
9. 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.
10. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
11. Remove all tile within bathrooms (floor & wall).
12. Remove partitions and existing fixtures.
13. Remove all ceiling tile & grid.

Specific Notes

02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
04 28 23 003	Cap end wall where demo cut made with finished block
09 05 05 03	Install leveling compound as needed for smooth appearance of new tile, typical on new floor tile

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Toilet Room Demo

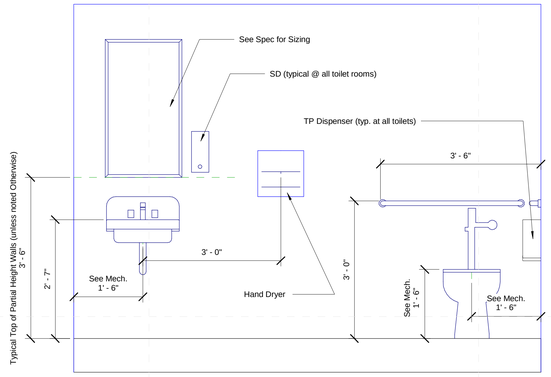
Middle School General Notes Legend

02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
02 41 19.16 004	Remove Floor Assembly; see Structural
02 82 13 001	Asbestos containing material present at window caulking
02 82 13.19 001	Remove all asbestos containing flooring to substrate
02 83 19.13 001	Prep for lead based paint shall not include sanding, grinding, sand blasting, or any other method that may cause paint to be airborne without HEPA vacuum equipment
02 83 19.13 002	No cuts into painted surfaces shall be made without HEPA vacuum equipment
03 00 00 001	Install concrete stoop; frame in below to close in stair
03 00 00 002	Concrete ramp; see Structural
03 30 00 001	Turn Down front concrete edge of stoop
05 12 00 001	Support concrete pan toppers with steel framing; provide brushed finish at ramps
05 12 00 002	Ramp slope shall not exceed 1:12 rise over run
05 12 00 003	See structural; paint all exposed steel
05 20 00 001	Frame in with Metal Joists to support deck and 3" concrete topper
05 40 00 002	Add bracing back to structure to secure furr down
05 40 00 003	Coordinate framing with mechanical ducting requirements
05 40 00 004	1.25" Metal Stud wall between heavy metal framing with studs 24" CC
05 51 36.16 002	Concrete Pan 5x5 Level Landing
05 52 00 002	Install round pipe with OD no greater than 2" or less than 1-1/4" for handrail @ a height of 36" above floor or center step
05 52 00 006	Return Handrail to ground and secure
05 52 00 007	Extend handrail 12" passed the nosing of the last step
05 52 00 008	Match Existing Adjacent railing in construction and style except for horizontal spacing; maximum spacing between members shall be no more than 4"
05 52 00 009	Return handrail to floor here
05 52 00 010	Return handrail to wall here
05 52 00 011	Guard to die into steel jambs
05 52 00 012	Handrail shall continue through opening
05 52 00 014	Install handrail @ 36" AFF
05 52 00 018	1.5" ID Round Steel Pipe
05 52 00 019	1" OD Square Steel Tube
05 52 00 020	Cap Steel Tube
05 52 00 021	Install vertical Supports @ 4'-0" CC
05 52 00 022	Continuous 1.5" SQ steel tube support
05 52 00 023	Hidden 1.5" SQ steel tube Vertical Support @ 4'-0" CC
06 01 20 003	Remove door panels; fill hinge and catch cuts & repair and refinish wood trim
06 46 13 001	Install WD door jambs and casings on both sides of new opening (casing to be selected by owner)
07 15 00 001	Seal up vent openings to exterior with insulated sheet metal assembly (typical)
08 01 11 001	Trim out existing door with wd 1x board and paint to match wall
08 43 13 001	Install new storefront into existing opening for climate control of Auditorium
08 43 13 002	New Aluminum storefront 6'-0" double door with pass thru hardware & closers
08 71 00 001	Replace existing door hardware with new
08 71 00 002	Panic Hardware Set w Passage Function
08 71 00 003	Panic Hardware Set w Entry Function
08 71 00 004	Entry Hardware Set
09 01 20 001	Extend plaster finish to top of new ramp concrete (typical)
09 01 20 002	Repair plaster flush between rooms where wall is demoed with lathe & plaster
09 01 20 004	Repair plaster where damaged or missing with like material
09 21 16 002	Install ceiling with storage deck at a height of 10' above stage floor here
09 21 16 006	Install 4" Metal Stud wall with Sheetrock
09 21 16 009	Install Metal stud furr down; wrap with 1/2" Gypsum at exposure
09 21 16 010	Install 5.5" metal stud wall with 5/8" Sheetrock on both sides
09 29 00 001	5/8" Gypsum Board
09 29 00 002	Install 1/2" Reveal Bead @ Gypsum (full mitered wrap @ corners)
09 65 13.26 001	Install new nosings @ stairs
09 91 23 001	Paint all structural members, surfaces, and underside of roof deck
09 91 23 002	Paint and patch all plaster as needed for new wall finish throughout; patching shall be with like material
09 91 23 004	Prep and paint ceiling
09 91 23 009	Patch damaged roof deck by overlapping with similar sized wood (approximately 2 different locations for around 50 sqft); prime and paint wood

Project Coordination

1. Mechanical work within ESSR funding shall take place along side this project under a different contract. All work shall be coordinated with that contractor and work shall be scheduled in accordance with this coordination.
2. Examples of work to be coordianted:
   A. Demolition for ceilings shall be performed inaccordnance with this contract, while demolition of mechanical in same space shall be performed under separate contract
   B. New ceilings under this contract shall not be installed until and after new mechacnical has been installed in same space by separate contractor.
3. The engineer over this mechanical work is:

CMTA, Inc.
8801 J M Keynes Dr Suite 240,
Charlotte, NC 28262
(704) 376-7072
Contact: Matt Wade
(MWade@cmta.com)



Typical Toilet Room Wall

3/4" = 1'-0"

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Pontotoc City Schools ESSR 2&3

PCS Middle School: 135 Education Drive, Pontotoc, MS 38863

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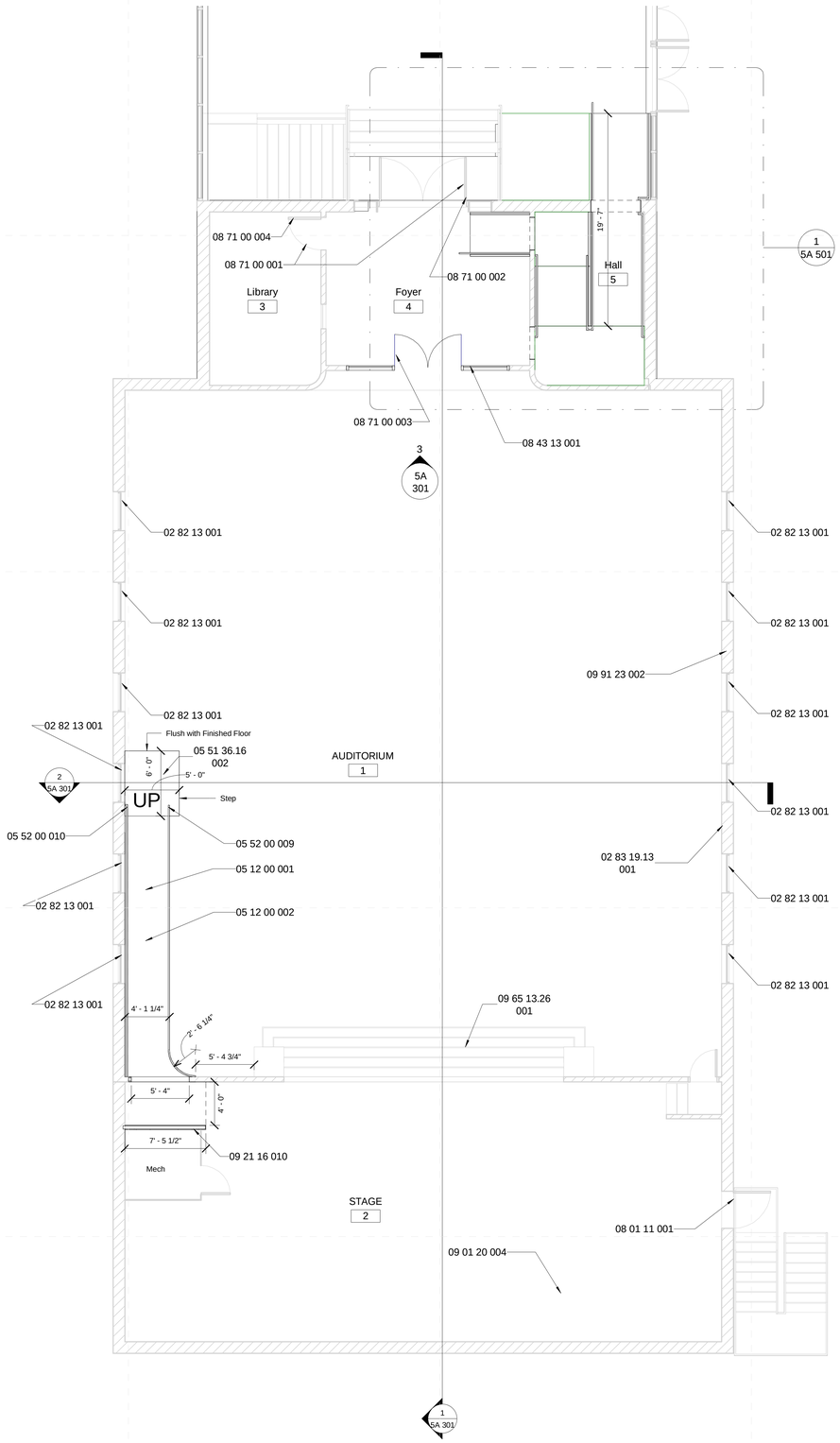
Middle School General Sheet



1 PCS Middle - Auditorium - New Construction

3/16" = 1'-0"

General Finish Notes

1. Prep floors; secure loose substrates
2. Install new LVT at all floors unless noted otherwise
3. Prep, prime, and paint all walls, trim and previously painted surfaces at interior
4. Rehab steel windows:
   - A. Remove existing glazing
   - B. Remove paints and mastics from steel members
   - C. Patch and repair steel as needed for full funcitonality
   - D. Prime & paint all steel members
   - E. Install new glazing and tips
   - F. Install new Glazing Putty
   - G. Recaulked interior for straight paint lines
   - H. Paint interior/exterior
   - I. Clean glass
5. Include new room signage @ all rooms; coordinate naming and numbering with owner

Specific Notes

02 82 13 001	Asbestos containing material present at window caulking
02 83 19.13 001	Prep for lead based paint shall not include sanding, grinding, sand blasting, or any other method that may cause paint to be airborne without HEPA vacuum equipment
05 12 00 001	Support concrete pan toppers with steel framing; provide brushed finish at ramps
05 12 00 002	Ramp slope shall not exceed 1:12 rise over run
05 51 36.16 002	Concrete Pan 5x5 Level Landing
05 52 00 009	Return handrail to floor here
05 52 00 010	Return handrail to wall here
08 01 11 001	Trim out existing door with wd 1x board and paint to match wall
08 43 13 001	Install new storefront into existing opening for climate control of Auditorium
08 71 00 001	Replace existing door hardware with new
08 71 00 002	Panic Hardware Set w Passage Function
08 71 00 003	Panic Hardware Set w Entry Function
08 71 00 004	Entry Hardware Set
09 01 20 004	Repair plaster where damaged or missing with like material
09 21 16 010	Install 5.5" metal stud wall with 5/8" Sheetrock on both sides
09 65 13.26 001	Install new nosings @ stairs
09 91 23 002	Paint and patch all plaster as needed for new wall finish throughout; patching shall be with like material

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New Construction

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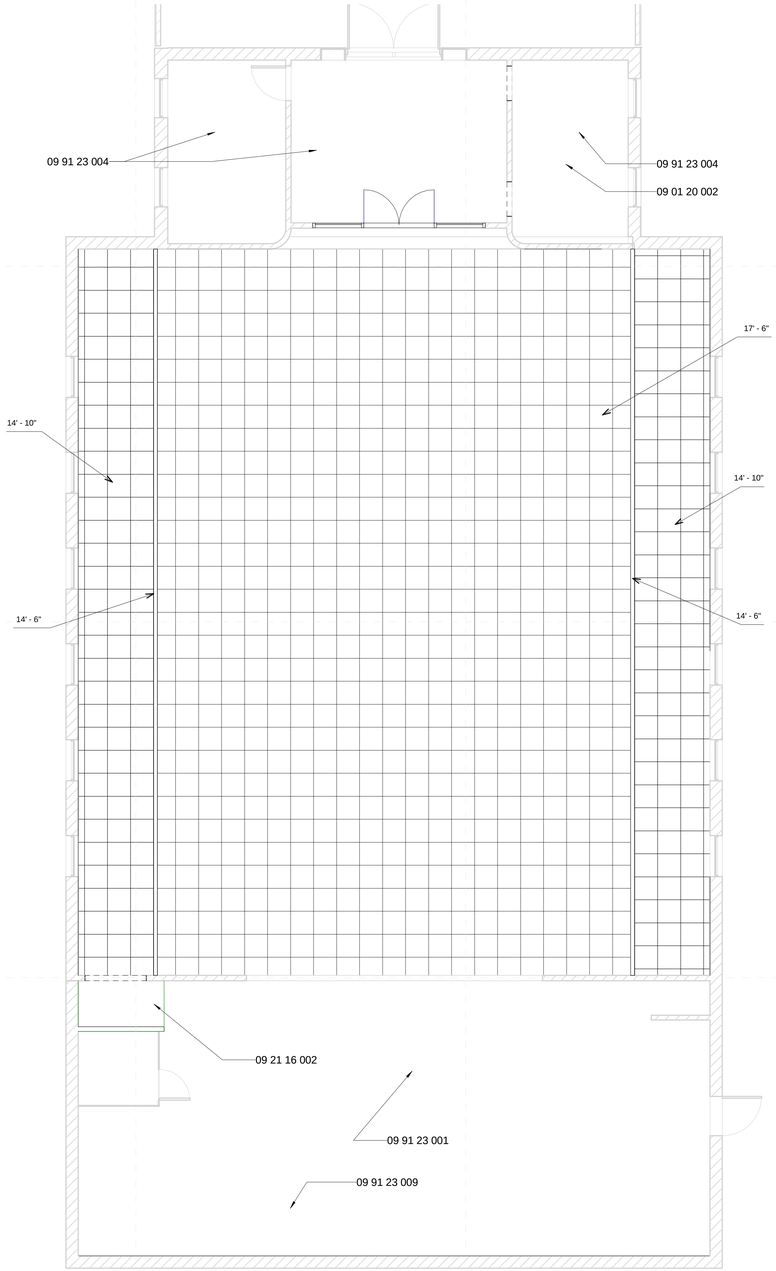
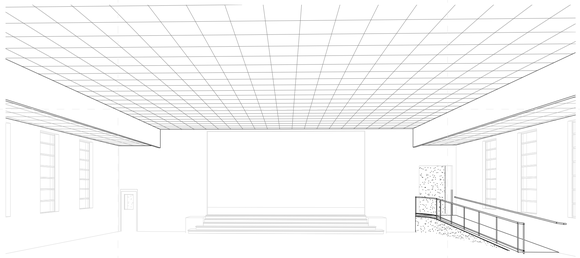
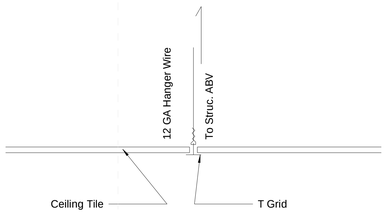


1 PCS Middle - Auditorium - New Construction

3/16" = 1'-0"



2 Auditorium from Entry



Typical Ceiling Grid Support

3" = 1'-0"

General RCP Notes

1. All ceiling heights shall be same as existing or lower, unless noted otherwise.
2. Repair/replace any and all ceiling damaged due to construction activities.
3. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

Specific Notes

09 01 20 002	Repair plaster flush between rooms where wall is demoed with lathe & plaster
09 21 16 002	Install ceiling with storage deck at a height of 10' above stage floor here
09 91 23 001	Paint all structural members, surfaces, and underside of roof deck
09 91 23 004	Prep and paint ceiling

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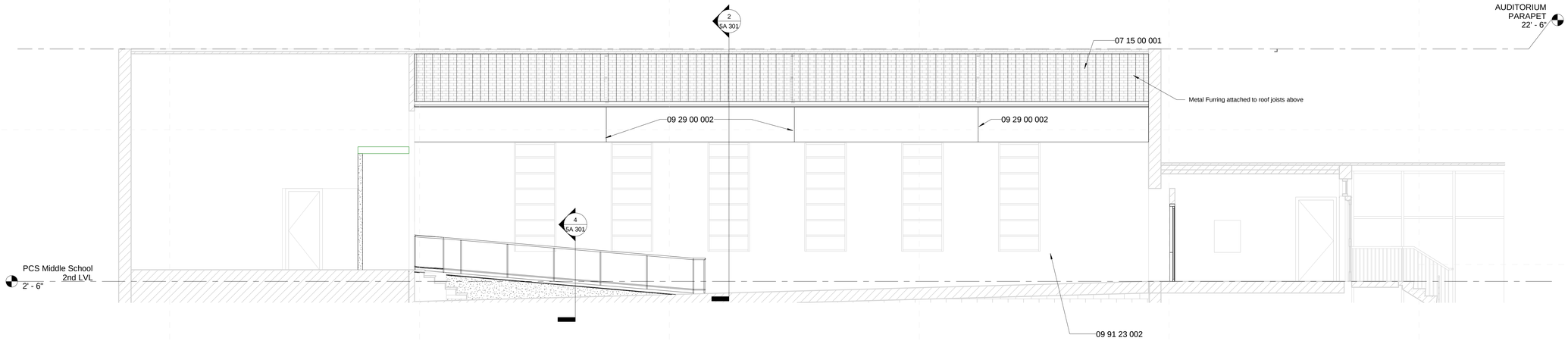
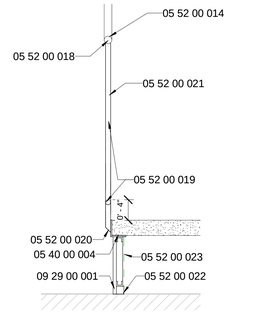
RCP - New Construction



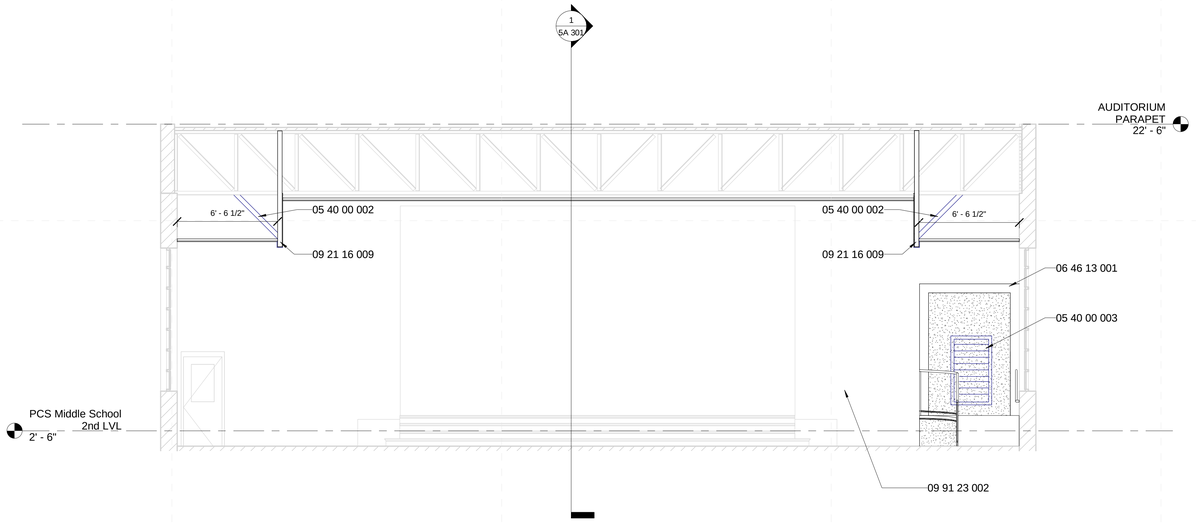
1 Lengthwise Section

1/4" = 1'-0"



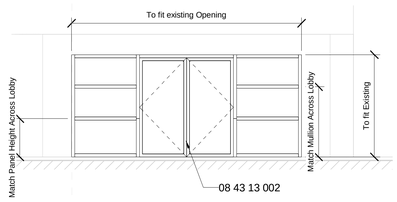
4 AUD Ramp Section

1" = 1'-0"



2 Crosswise Section

1/4" = 1'-0"



3 New Storefront Unit

1/4" = 1'-0"

Specific Notes

05 40 00 002	Add bracing back to structure to secure furr down
05 40 00 003	Coordinate framing with mechanical ducting requirements
05 40 00 004	1.25" Metal Stud wall between heavy metal framing with studs 24" CC
05 52 00 014	Install handrail @ 36" AFF
05 52 00 018	1.5" ID Round Steel Pipe
05 52 00 019	1" OD Square Steel Tube
05 52 00 020	Cap Steel Tube
05 52 00 021	Install vertical Supports @ 4'-0" CC
05 52 00 022	Continuous 1.5" SQ steel tube support
05 52 00 023	Hidden 1.5" SQ steel tube Vertical Support @ 4'-0" CC
06 46 13 001	Install WD door jambs and casings on both sides of new opening (casing to be selected by owner)
07 15 00 001	Seal up vent openings to exterior with insulated sheet metal assembly (typical)
08 43 13 002	New Aluminum storefront 6'-0" double door with pass thru hardware & closers
09 21 16 009	Install Metal stud furr down; wrap with 1/2" Gypsum at exposure
09 29 00 001	5/8" Gypsum Board
09 29 00 002	Install 1/2" Reveal Bead @ Gypsum (full mitered wrap @ corners)
09 91 23 002	Paint and patch all plaster as needed for new wall finish throughout; patching shall be with like material

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Not For Construction

Pontotoc City Schools ESSR 2&3

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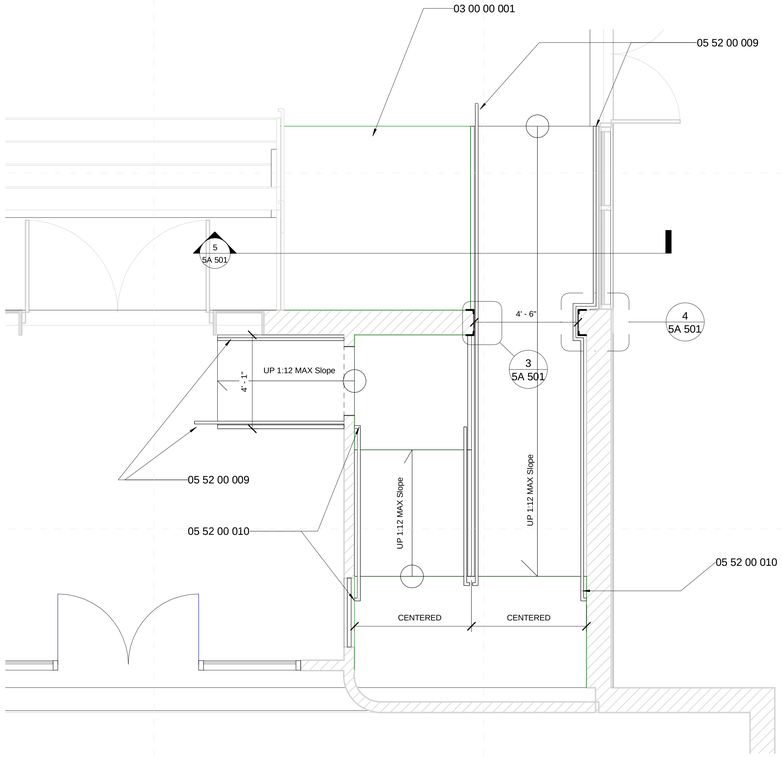
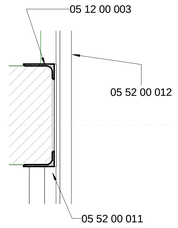
5A 301

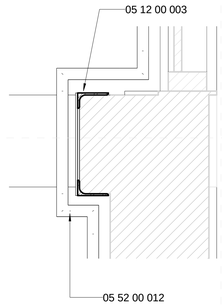
Building Section



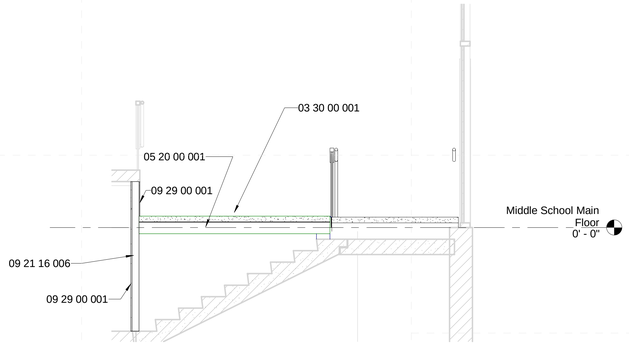
1 PCS Middle - ADA Ramp to Auditorium Lobby
3/8" = 1'-0"



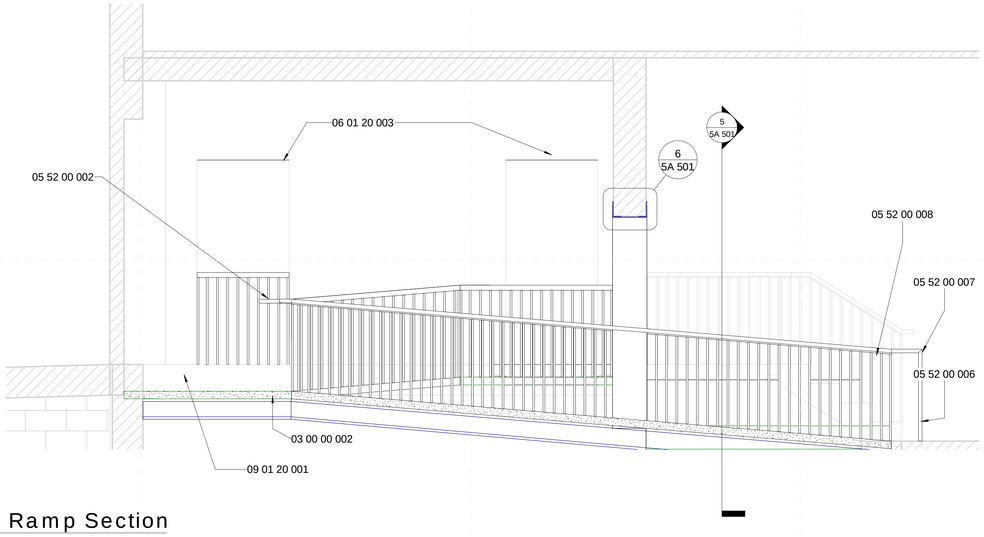
3 PCS Middle - Jamb @ Existing Wall
1 1/2" = 1'-0"



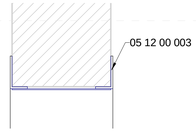
4 PCS Middle - Jamb @ Existing Wall near Corner
1 1/2" = 1'-0"



5 Stair/Stoop
3/8" = 1'-0"



2 Ramp Section
1/2" = 1'-0"



6 Ramp Section - Lintel
1 1/2" = 1'-0"

Specific Notes

03 00 00 001	Install concrete stoop; frame in below to close in stair
03 00 00 002	Concrete ramp; see Structural
03 30 00 001	Turn Down front concrete edge of stoop
05 12 00 003	See structural; paint all exposed steel
05 20 00 001	Frame in with Metal Joists to support deck and 3" concrete topper
05 52 00 002	Install round pipe with OD no greater than 2" or less than 1-1/4" for handrail @ a height of 36" above floor or center step
05 52 00 006	Return Handrail to ground and secure
05 52 00 007	Extend handrail 12" passed the nosing of the last step
05 52 00 008	Match Existing Adjacent railing in construction and style except for horizontal spacing; maximum spacing between members shall be no more than 4"
05 52 00 009	Return handrail to floor here
05 52 00 010	Return handrail to wall here
05 52 00 011	Guard to die into steel jambs
05 52 00 012	Handrail shall continue through opening
06 01 20 003	Remove door panels; fill hinge and catch cuts & repair and refinish wood trim
09 01 20 001	Extend plaster finish to top of new ramp concrete (typical)
09 21 16 006	Install 4" Metal Stud wall with Sheetrock
09 29 00 001	5/8" Gypsum Board

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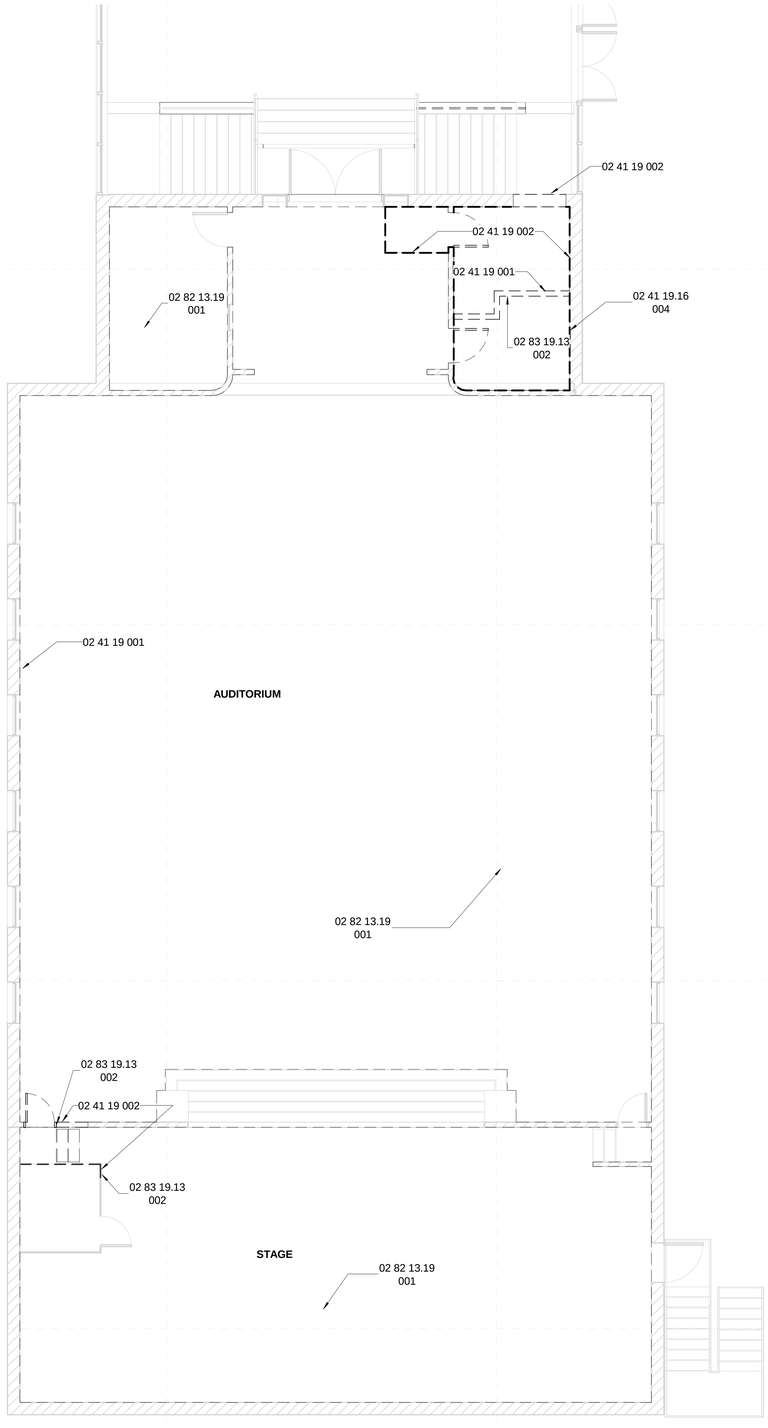
5A 501

ADA Ramp Details



1 PCS Middle - Auditorium - Demo

3/16" = 1'-0"

General Demolition Notes

1. Where floor transitions from new floor to existing floor, a floor transition strip is to be provided. A knock-down frame is to be provided in place of the existing frame where the opening is a part of corridor.
2. Remove all existing flooring, ceiling tile, rubber base, etc.. where shown to be replaced by new materials in the finish schedule. RE: Floors plans, RCP, and Finish Schedule
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted
8. 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.
9. 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.
10. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.

Specific Notes

02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
02 41 19.16 004	Remove Floor Assembly; see Structural
02 82 13.19 001	Remove all asbestos containing flooring to substrate
02 83 19.13 002	No cuts into painted surfaces shall be made without HEPA vacuum equipment

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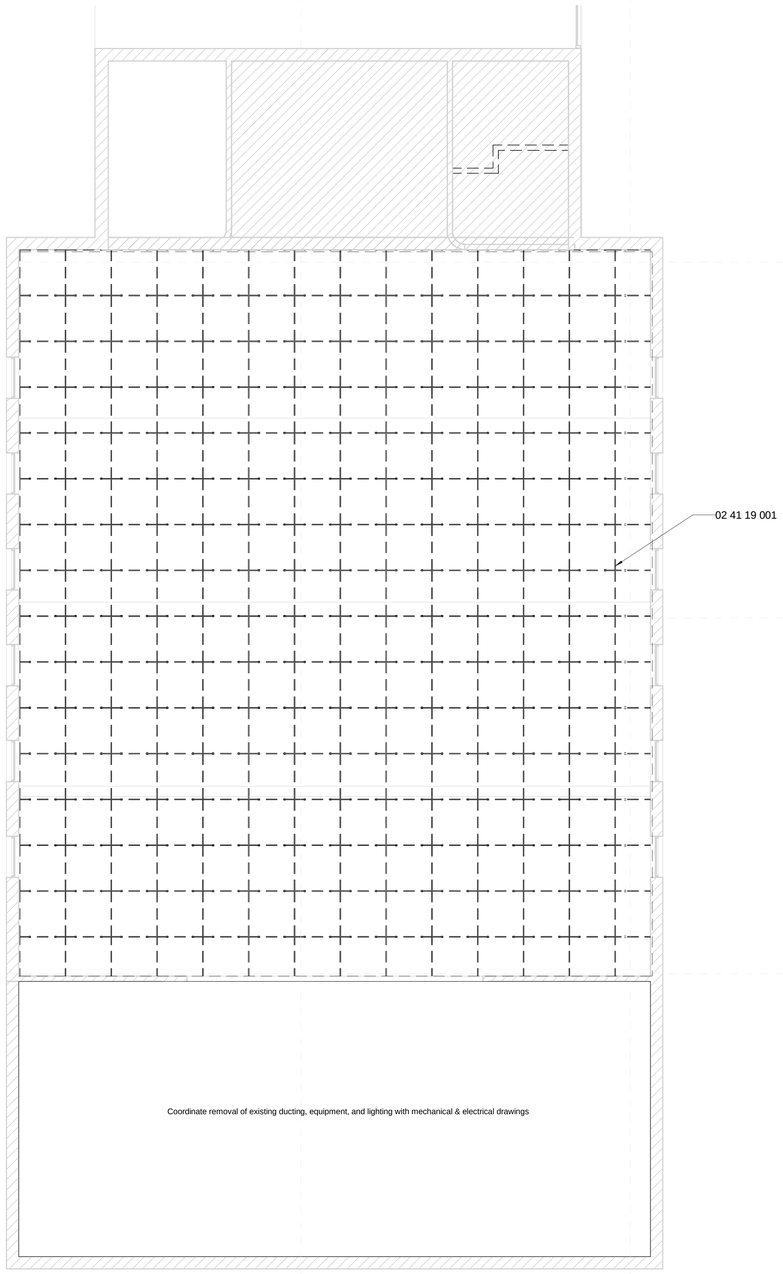
Demolition



1 RCP - Auditorium - Demolition
3/16" = 1'-0"

General RCP Demolition Notes

1. Where ceiling transitions from new ceiling to existing ceiling, coordinate with Architect detail.
2. Remove all existing ceiling grid & tile unless noted otherwise, as well as any wall fasteners and/or mastics attached therein where shown to be replaced by new materials.
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. 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.
5. Burying or Burning of materials will not be permitted on site.
6. Repair any damage caused to building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted.
8. 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.
9. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

Specific Notes

02 41 19 001	Dashed lines indicated extent of demoed work

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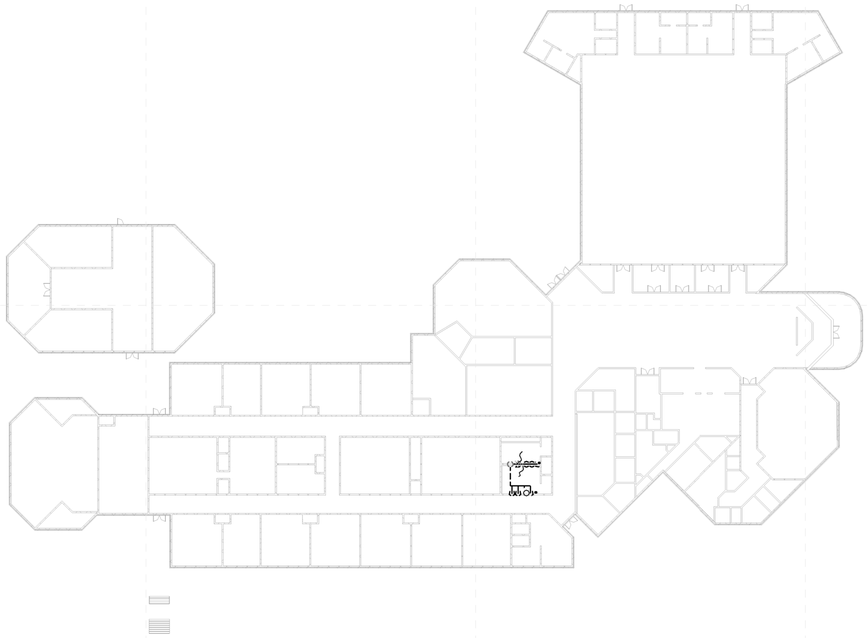
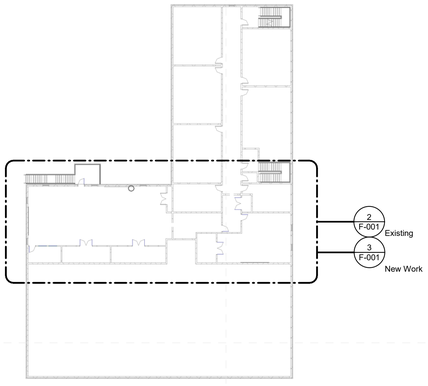
RCP - Existing

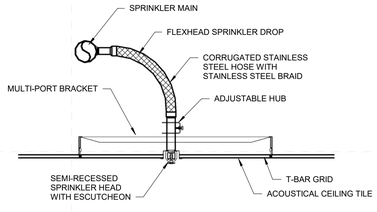


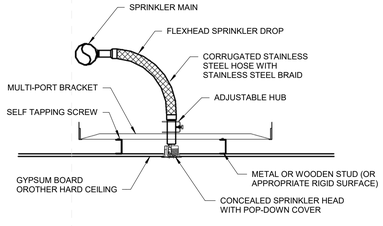


1 F-001 **PCS High School Overall Second Level Fire Sprinkler Plan**
1" = 30'-0"

WET PIPE SPRINKLER SCHEDULE

AREA	HAZARD CLASSIFICATION	MINIMUM DENSITY (GPM/SF)	REMOTE AREA SIZE (SF)
STORAGE, MECHANICAL, JANITOR	ORDINARY HAZARD, GROUP 1	0.15	1500
ALL OTHER SPACES INCLUDING CLASSROOMS, OFFICES, CORRIDORS, ETC.	LIGHT HAZARD	0.10	1500





SPRINKLER HEAD/SUPPORT DETAIL
N.T.S.

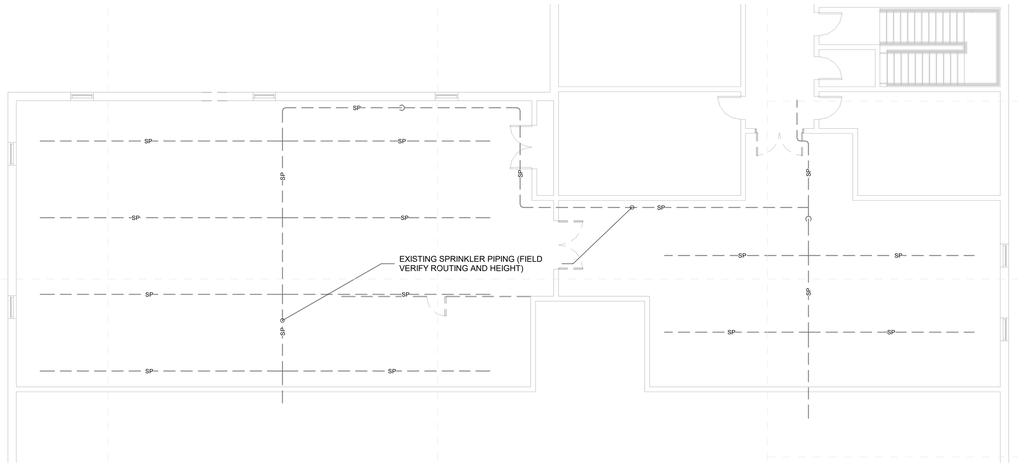
CODE REVIEW

DESIGN CODE	2015 INTERNATIONAL CODE COUNCIL (ICC)
FIRE SPRINKLER	NFPA 13

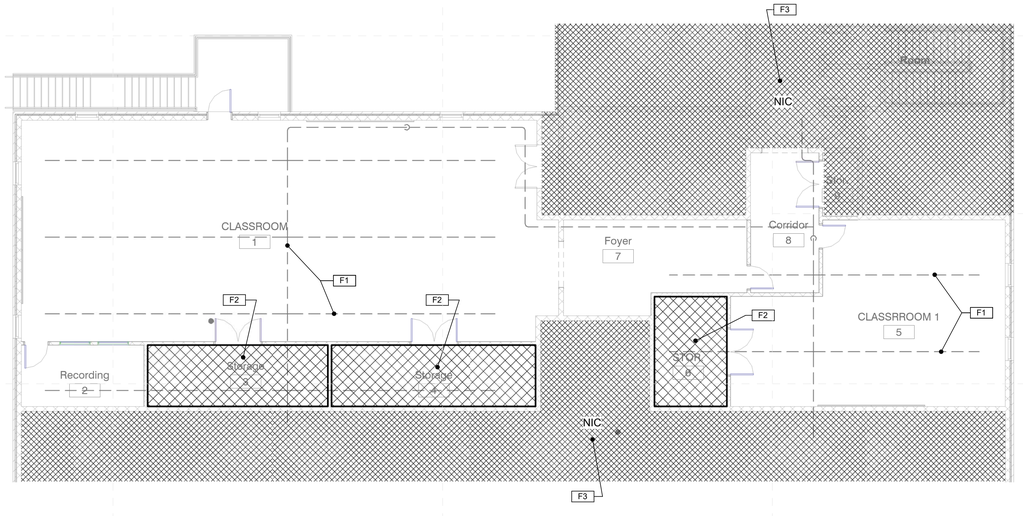
DRAWING INDEX - Fire Protection

SPECIFIC FIRE SPRINKLER NOTES

F1	PROVIDE NEW SPRINKLER HEADS AND BRANCH PIPING IN ALL AREAS OF PROJECT. SEE DETAILS AND SPECIFICATIONS FOR SPRINKLER HEAD REQUIREMENTS. CONNECT TO EXISTING SPRINKLER SYSTEM AS REQUIRED TO PROVIDE A NFPA 13 COMPLIANT INSTALLATION.
F2	TYPICAL ORDINARY HAZARD AREAS. REFER TO SPRINKLER SCHEDULE FOR AREAS DESIGNATED AS ORDINARY HAZARD. VERIFY HAZARD CLASSIFICATION WITH NFPA 13 AND UTILIZE MOST STRINGENT REQUIREMENT.
F3	CONFIRM PROPER COVERAGE OF EXISTING SHELL/CORE SPACE IS MAINTAINED ONCE WALLS ARE ADDED. PROVIDE ANY ADDITIONAL SPRINKLER HEADS AND BRANCH PIPING AS REQUIRED.



2 F-001 **Partial High School Fire Sprinkler Plan - Existing**
1/8" = 1'-0"



3 F-001 **Partial High School Fire Sprinkler Plan - New Work**
1/8" = 1'-0"

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KEVIN WILLIAM STEPHENS REGISTERED PROFESSIONAL ENGINEER 15585 11/10/21 STATE OF MISSISSIPPI

Pontotoc City Schools ESSR 2&3

PCS Site: 140 Education Dr., Pontotoc, MS 38863

Construction Documents

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Date	10 November 2021
Revisions	Rev Date

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GSK#:110-078

F-001

PCS High School Fire Sprinkler Plans

LEGEND - PLUMBING

MARK	DESCRIPTION
(blue dashed line)	EXISTING PIPING TO BE DEMOLISHED
---SS---	EXISTING SANITARY WASTE PIPING
------	EXISTING SANITARY VENT PIPING
---W---	EXISTING SITE WATER SERVICE PIPING
---F---	EXISTING SITE FIRE PROTECTION WATER PIPING
---PCW---	EXISTING POTABLE COLD WATER PIPING
------	NEW SANITARY VENT PIPING
—SS—	NEW SANITARY WASTE PIPING
—PCW—	NEW POTABLE COLD WATER PIPING
—PHW—	NEW POTABLE HOT WATER PIPING (120°F)
—PHWR—	NEW POTABLE RECIRCULATING HOT WATER PIPING (120°F)
—D—	NEW CONDENSATE DRAIN PIPING
—TW—	NEW TEMPERED WATER PIPING
—●—	FULL PORT BALL VALVE (LEAD FREE)
HB	HOSE BIBB
WCO	WALL CLEANOUT
	WATER HAMMER ARRESTOR
	POINT OF CONNECTION TO EXISTING
FD	FLOOR DRAIN
HW	HOT WATER
CW	COLD WATER
W	WASTE
V	VENT
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
VTR	VENT THRU ROOF
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
TP	TRAP PRIMER BELOW SLAB/FLOOR

GENERAL PLUMBING DEMOLITION NOTES:

1. WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE DEMOLISHED, ALSO REMOVE ALL ASSOCIATED PIPING, ACCESSORIES, TRIM, HANGERS, ETC. UNLESS NOTED OTHERWISE.
2. WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE REPLACED, EXISTING ASSOCIATED PIPING, ACCESSORIES, ETC. SHALL REMAIN.
3. 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.
4. 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.
5. 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.
6. 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.
7. PROVIDE ANY TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN PLUMBING SERVICES TO NEW AND EXISTING FIXTURES AND INSTALLATIONS BEING UTILIZED OUTSIDE THE AREA BEING RENOVATED.

SPECIFICATIONS - PLUMBING

SUBMITTALS:
REFER TO ARCHITECTURAL SPECIFICATIONS FOR SUBMITTAL PROCEDURES. PROVIDE SUBMITTALS FOR THE FOLLOWING:

A. PLUMBING FIXTURES AND TRIM
B. WATER HEATERS AND ACCESSORIES
C. PIPE, VALVES AND FITTINGS

CLOSE-OUT DOCUMENTS:
REFER TO ARCHITECTURAL SPECIFICATIONS FOR CLOSE-OUT PROCEDURES. PROVIDE CLOSE-OUT DOCUMENTATION FOR THE FOLLOWING:

A. TAB REPORT
B. AS BUILT-DRAWINGS
C. O&M MANUALS OF PLUMBING FIXTURES, ETC.

OWNER OPERATING & MAINTENANCE MANUALS AND INSTRUCTIONS:

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SETUP AND TRAIN THE OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL MECHANICAL EQUIPMENT PROVIDED AND/OR INSTALLED WITH THIS PROJECT. THE SAFE OPERATION OF ALL PLUMBING AND SYSTEMS SHALL BE ADEQUATELY CONVEYED TO PERTINENT OWNER PERSONNEL, ALONG WITH INSTRUCTIONS ON WHAT IS OWNER'S RESPONSIBILITY, AND WHOM TO CONTACT FOR STANDARD ONE (1) YEAR WARRANTY, AND AFTERWARDS FOR EXTENDED WARRANTIES. SAME INFORMATION SHALL BE INCLUDED IN O&M MANUALS.

B. SUBMIT TWO(2) COMPLETE SETS OF HARDBOUND BROCHURES, INDEXED, AND LABELED FOR EACH PIECE OF EQUIPMENT. THE MANUALS SHALL BE TRANSMITTED TO THE OWNER AT THE COMPLETION OF THE PROJECT.

C. INCLUDE IN THESE BROCHURES WRITTEN SUBMITTAL DATA, MANUFACTURER'S OPERATING AND MAINTENANCE PROCEDURES AND RECOMMENDATIONS, SPARE PARTS LISTS AND SUPPLIERS AND ANY INTERLOCKING CONTROL OR WIRING DIAGRAMS FOR ALL EQUIPMENT. THE INFORMATION LISTED HEREIN IS TO BE BOUND IN THE FOLLOWING ORDER:
COVER TO LIST PROJECT NAME, LOCATION, AND DATE COMPLETED.
1. FIRST SHEET TO LIST ARCHITECT, ENGINEER, CONTRACTOR AND SUBCONTRACTORS WITH ADDRESSES FOR EACH.
2. SECOND SHEET TO LIST TYPE OF EQUIPMENT WITH SEQUENTIAL NUMBER, THE MANUFACTURER, MAKE, MODEL, AND SERIAL NUMBER OF THE ACTUAL EQUIPMENT NAMEPLATE DATA RATED HORSEPOWER, FULL LOAD RATED AMPS, VOLTAGE AND PHASE. INCLUDE PERTINENT CONTACT INFORMATION ON STANDARD ONE YEAR WARRANTY AND EXTENDED WARRANTY WORK.
3. NEXT, ACTUAL COPY OF APPROVED SUBMITTAL DATA INCLUDING ALL MANUFACTURER'S PUBLISHED INFORMATION ON CAPACITIES, CAPACITY CURVES OR TABLES, ACCESSORY AND CONTROL ITEM LISTS, AND OTHER PERTINENT INFORMATION AS REQUESTED BY ENGINEER. CROSS REFERENCE ALL EQUIPMENT TO CONTRACT DOCUMENTS.

AS-BUILT DRAWINGS (PROJECT RECORD DOCUMENTS:

A. MAINTAIN AT JOB SITE A SET OF CONTRACT RECORD DOCUMENTS KEPT CURRENT BY INDICATING THEREON ALL CHANGES, SUBSTITUTIONS, ETC., BETWEEN WORK AS SPECIFIED AND AS INSTALLED, IN RED INK.

B. AT THE COMPLETION OF THE PROJECT, FURNISH THE OWNER TWO(2) SETS OF BLUELINES SHOWING INSTALLED LOCATION, SIZE, ETC., OF ALL WORK AND MATERIAL AS TAKEN FROM RECORD DOCUMENTS. ALL AS-BUILT (ON RECORD) DRAWINGS SHALL BE LABELED "AS-BUILT DRAWINGS", DATED AND CERTIFIED AS ACCURATE BY MECHANICAL CONTRACTOR WITH HIS SIGNATURE, ON FRONT PAGE OF ALL DRAWING BLUELINE SETS AND SPECIFICATIONS.

PLUMBING IDENTIFICATION:

A. NEW OR EXISTING POTABLE WATER AND GAS PIPING THROUGHOUT SPACE SHALL BE NEWLY IDENTIFIED WITH MANUFACTURED SELF ADHESIVE LABELING, WITH ANSI APPROVED COLORED BACKGROUND. LETTERING SHALL BE MINIMUM 1/2" TALL ON PIPING 1" SIZE AND SMALLER, AND 1" TALL ON LARGER PIPING. PROVIDE LABELING THROUGHOUT ON MINIMUM 10' CENTERS. PROVIDE LABELING AFTER FINAL PAINTING OF UTILITIES HAS BEEN APPROVED BY ARCHITECT. LABELING SHALL BE AS SETON OR BRADLEY.

VALVES:
VALVES FOR DOMESTIC WATER APPLICATIONS
(ALL VALVES SHALL BE NSF 61 COMPLIANT AND CONTAIN LESS THAN 0.25% LEAD (PB) BY WEIGHT)

BALL VALVES

A. VALVES 2" AND SMALLER SHALL BE TWO-PIECE BRASS OR STAINLESS-STEEL CONSTRUCTION, 1-1/4" EXTENDED NECK, CHROME PLATED BALL WITH FULL PORT, P.T.F.E. SEALS AND SEATS. HEAVY DUTY STEEL HANDLE WITH VINYL GRIP, QUARTER TURN OPERATION. VALVES SHALL BE SUITABLE FOR WORKING PRESSURE OF 200 PSIG AND MAXIMUM 250DEG F.

B. VALVES 2-1/2" AND LARGER SHALL BE SAME AS ABOVE EXCEPT THAT TWO OR THREE-PIECE BRASS OR STAINLESS-STEEL CONSTRUCTION MAY BE UTILIZED.

SILENT CHECK VALVES:

A. VALVES 2" AND SMALLER SHALL BE ALL BRONZE, HORIZONTAL OR VERTICAL SILENT SPRING CHECK TYPE WITH SCREWED END CONNECTIONS. VALVES SHALL BE RATED FOR 200# WOG.

VALVES FOR NATURAL GAS APPLICATION

A. PLUG VALVES (FOR SIZES 1¼" AND LARGER, AND AT MAIN SERVICE VALVES):
1. VALVES SHALL BE IRON BODY (SEMI STEEL) LUBRICATED, BOLTED GLAD TYPE WITH TEFLON COATED PLUG. FLANGE UNIT FOR INSTALLATION BETWEEN 150# ASA STEEL FLAT-FACED SLIP ON WELD FLANGES. ALL VALVES SHALL BE WRENCH OPERATED AND WRENCH SHALL BE FURNISHED WITH EACH SIZE VALVE. EACH PLUG VALVE SHALL BE SERVICED WITH THE SILICONE SEALANT/LUBRICANT RECOMMENDED BY THE VALVE MANUFACTURER. VALVES 2" AND SMALLER SHALL BE SHORT PATTERN TYPE WITH THREADED END CONNECTIONS. VALVES SHALL BE RATED AT 175# WOG.

B. BALL VALVES (FOR SIZES 1" AND SMALLER)
1. VALVES SHALL BE ONE QUARTER TURN SHUT-OFF, LISTED FOR GAS SERVICE, BRONZE CONSTRUCTION, CSA B16.44 5 PSIG RATED, UL 842 5 PSIG RATED AND ANSI Z21.15 ½ PSIG RATED.

GENERAL PLUMBING NOTES:

1. 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/LIP HEIGHT, CONTROL OFFSET, SIZE AND ACCESSIBILITY AS REQUIRED BY LATEST EDITION OF AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL GOVERNING AUTHORITIES.
2. 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.
3. 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.
4. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH STRUCTURAL MEMBERS, EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
5. VERIFY/COORDINATE PIPE SIZES AND CONNECTIONS WITH "KITCHEN" AND/OR "PLUMBING FIXTURE ROUGH-IN SCHEDULE" FOR WASTE, VENT AND WATER PIPING ROUGH-IN SIZES NOT CLEARLY 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 APPLIANCES MANUFACTURER.
6. 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%.
7. ALL VERTICAL RISERS TO FLOOR DRAINS AND FLOOR MOUNTED SINKS SHALL BE MAXIMUM 24" LONG.
8. ALL ABOVE GRADE HORIZONTAL DRAINAGE AND VENT PIPING ROUTING SHALL BE COORDINATED WITH OTHER CRAFTS AND STRUCTURAL/ARCHITECTURAL DRAWINGS. CONSISTENTLY SLOPE ALL PIPING, NOT INDICATED WITH ELEVATIONS, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
9. 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 UN-MODIFIED 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.
10. 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.
11. ROUTE ALL HORIZONTAL INSULATED DOMESTIC WATER PIPING UNDER ATTIC INSULATION WHERE ATTIC INSULATION OCCURS.
12. COORDINATE UNDERGROUND PIPING WITH GRADE BEAMS AND WALL FOOTINGS. SLEEVE ALL GRADE BEAMS UTILIZING SLEEVES A MINIMUM 2 SIZES LARGER THAN DRAINAGE PIPING SIZE. SOME SLEEVES MAY NOT BE SHOWN, BUT SLEEVES AT ALL GRADE BEAM HORIZONTAL AND VERTICAL PIPING PENETRATIONS ARE REQUIRED.
13. PROVIDE NEAT PIPE SLEEVES AT ALL GAS, WATER, STORM, SANITARY, AND REFRIGERANT PIPING EXTERIOR WALL PENETRATIONS. FILL VOID IN ANNULAR SPACE WITH NEAT ELASTOMERIC SEALANT. BELOW GRADE SLEEVES INTO HABITABLE SPACES SHALL INCLUDE WATER-TIGHT SLEEVES AS "LINK SEAL".
14. FIRESTOP ALL PIPING AND CONDUIT PENETRATIONS OF FLOORS AND FIRE, SMOKE, OR COMBINATION WALLS/PARTITIONS TO MEET THE LATEST INTERNATIONAL BUILDING CODE REQUIREMENTS. PROVIDE APPROVED SOUND ABSORBENT SEALANT AT ALL SIMILAR PENETRATIONS AT "SOUND" AND FULL HEIGHT WALLS (SEALED TO UNDERSIDE OF ROOF DECK) INDICATED ON ARCHITECTURAL AND/OR MECHANICAL DRAWINGS.
15. PROVIDE DI-ELECTRIC BUSHINGS IN ALL PIPE SYSTEMS WHERE UNLIKE METALS ARE CONNECTED, I.E., COPPER TO STEEL. PROVIDE STEEL SLEEVES IN ALL FLOORS, WALLS, ROOF DECK, ETC., FOR PIPE PENETRATIONS. SLEEVES SHALL BE OF SUFFICIENT DIAMETER TO ACCOMMODATE PIPE AND INSULATION, WHERE APPROPRIATE. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALL AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO WALLS AS POSSIBLE.
16. PROVIDE 12" X 12" LOCKING PIANO HINGED ACCESS PANELS FOR SHOCK ABSORBERS, TRAP PRIMERS, AND ALL VALVES LOCATED ABOVE NON-ACCESSIBLE CEILINGS AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
17. PIPE ALL DRIPS, DRAINS, RELIEFS, ETC. TO THE NEAREST FLOOR DRAIN UNLESS OTHERWISE INDICATED.
18. DO NOT RUN PLUMBING PIPING THROUGH OR OVER ELECTRICAL CLOSETS OR WITHIN 3'-0" OF ELECTRICAL PANEL FRONTS.
19. DISINFECT ALL NEW POTABLE WATER PIPING SYSTEMS WITH DOCUMENTATION PER SPECIFICATIONS AND PRIOR TO SWAP OVER OF NEW POTABLE WATER SERVICES.
20. PRIOR TO SUBMITTING A BID, VISIT THE SITE OF THE PROPOSED CONSTRUCTION & BECOME THOROUGHLY ACQUAINTED WITH EXISTING CONDITIONS TO BE ENCOUNTERED ETC. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR CONDITIONS WHICH WERE NOT KNOWN OR APPRECIATED WHEN SUBMITTING A BID IF THE CONDITION WAS OBVIOUS AND COULD HAVE BEEN DISCOVERED. THE INTENT IS FOR ALL UTILITIES, WHETHER ACTIVE OR ABANDONED, ROUTED BELOW GRADE IN THE AREA ENCOMPASSED BY THE NEW CONSTRUCTION, TO BE DISCONNECTED, REMOVED & RELOCATED (IF ACTIVE) TO PRESERVE EXISTING LOAD OR CAPACITY. THE LOCATION OF ALL UTILITIES, NEW OR EXISTING, SHALL BE DULY IDENTIFIED AS TO SIZE, MATERIAL, AND FUNCTION OF PIPE, ETC. ON AS-BUILT DRAWINGS.
21. WHEN ENCOUNTERED IN WORK AREA, WHETHER OR NOT INDICATED, CAP OR PLUG OR OTHERWISE DISCONTINUE EXISTING INACTIVE SEWER, GAS, WATER, ELECTRIC, OR OTHER UTILITY SERVICE, STRUCTURES; OF WHICH, ACTION SHOULD BE TAKEN. IF REMOVAL IS REQUIRED, REQUEST INSTRUCTIONS FROM ARCHITECT/PROFESSIONAL.
22. WHEN ENCOUNTERED IN WORK AREA, WHETHER OR NOT INDICATED, PROTECT EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, OTHER UTILITY SERVICES, STRUCTURES; WHERE REQUIRED FOR PROPER EXECUTION OF WORK, RELOCATE THEM AS DIRECTED. IF EXISTING ACTIVE SERVICE ARE NOT INDICATED, CONTACT PROFESSIONAL FOR INSTRUCTIONS.
23. ALL NEW HYDRANTS SHUT-OFF VALVE BOX COVERS, GREASE TRAP AND MANHOLE COVERS, AND WATER METER BOX COVER SHALL BE CLEANED, PREPARED, PRIMED, AND FINISHED WITH TWO (2) COATS OF A RUST INHIBITIVE ALKYD ENAMEL, COLOR (S) BY ARCHITECT.
24. PROVIDE WATER HAMMER ARRESTORS ON ALL PLUMBING FIXTURES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

CODE REVIEW	
DESIGN CODE	2015 INTERNATIONAL CODE COUNCIL (ICC)
FIRE SPRINKLER	NFPA 13

DRAWING INDEX - Plumbing

Sheet Number	Sheet Name
P-000	Plumbing Notes, Legend, and Specifications
P-001	PCS High School Plumbing Plans
P-011	PCS Jr. High School Plbg Plans - 1st Level
P-012	PCS Jr. High School Plbg Plans - 2ndLevel
P-201	Plumbing Schedules and Details

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Construction Documents

Project No 21064
Date 10 November 2021
Revisions Rev Date

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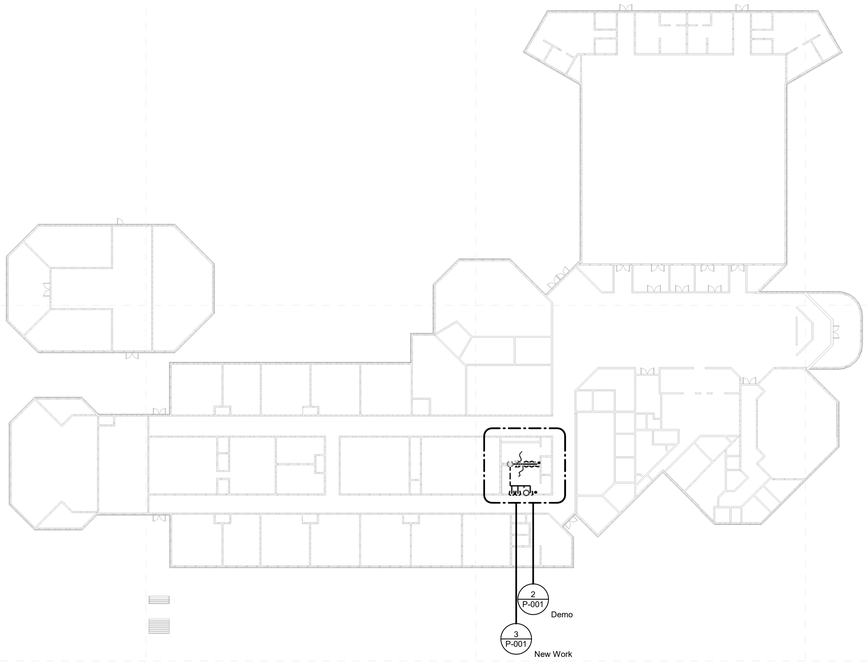
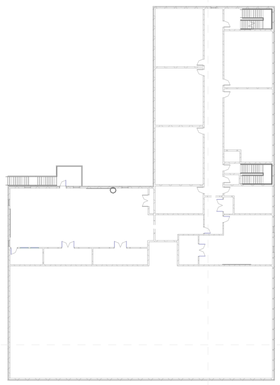
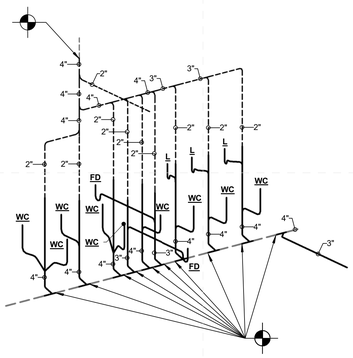
P-000

Plumbing Notes, Legend, and Specifications

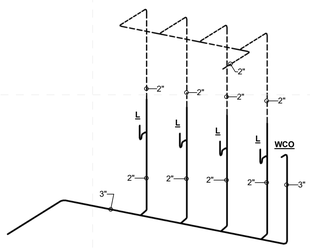




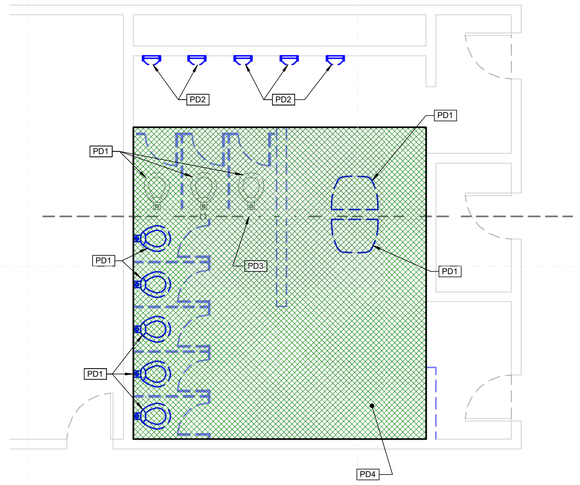
1 P-001 PCS High School Overall Second Level Plumbing Plan
1" = 30'-0"



4 P-001 Plumbing Riser 1 (High)



5 P-001 Plumbing Riser 2 (High)

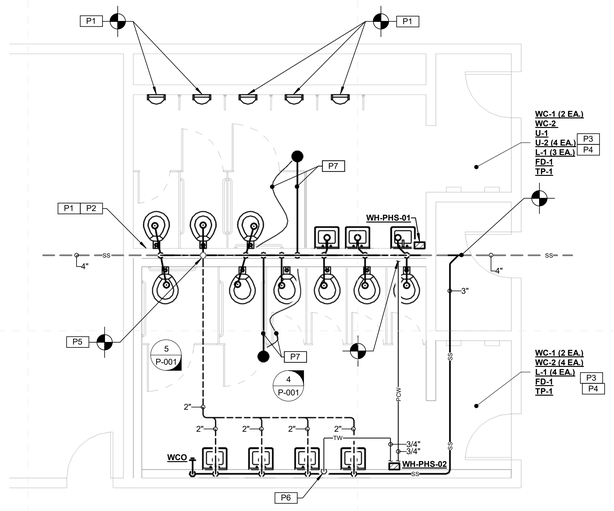


2 P-001 Enlarged High School Toilet Plumbing Plan - Demo
1/4" = 1'-0"

SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.
PD4	SAWCUT EXISTING FLOOR SLAB AS DENOTED BY HATCHING AS REQUIRED FOR INSTALLATION OF NEW WORK.

GENERAL PLUMBING RENOVATION NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT OF ALL FIXTURES AND DESIGNATION OF ADA COMPLIANT FIXTURES. VERIFY/COORDINATE EXISTING ROUGH-IN LOCATIONS AND MODIFY ACCORDINGLY TO MATCH NEW MOUNTING HEIGHTS AND ADA COMPLIANCE.
2. 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 PERSONNEL SHOULD 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.



3 P-001 Enlarged High School Toilet Plumbing Plan - New Work
1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	EXTEND TO NEW AND EXISTING PLUMBING SERVICES IN CHASE WALLS, BELOW SLAB AS APPLICABLE TO CONNECT TO AND SERVE NEW PLUMBING FIXTURES. THE USE OF EXISTING DRAWINGS WHERE AVAILABLE AND FACILITY MAINTENANCE PERSONNEL SHOULD 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.
P2	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.
P3	PROVIDE NEW PLUMBING FIXTURES AS INDICATED.
P4	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P5	CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF. REUTILIZING EXISTING ROOF PENETRATION.
P6	EXTEND NEW FULL SIZE WATER HEADER PIPING HORIZONTALLY IN PLUMBING CHASES WITH BRANCH PIPING TO SERVE INDIVIDUAL FIXTURES SIZED PER PLUMBING FIXTURE ROUGH-IN SCHEDULE AND INCLUDING WATER HAMMER ARRESTERS.
P7	1/2" TYPE 'K' SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR.

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Project No 21064
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Revisions Rev Date

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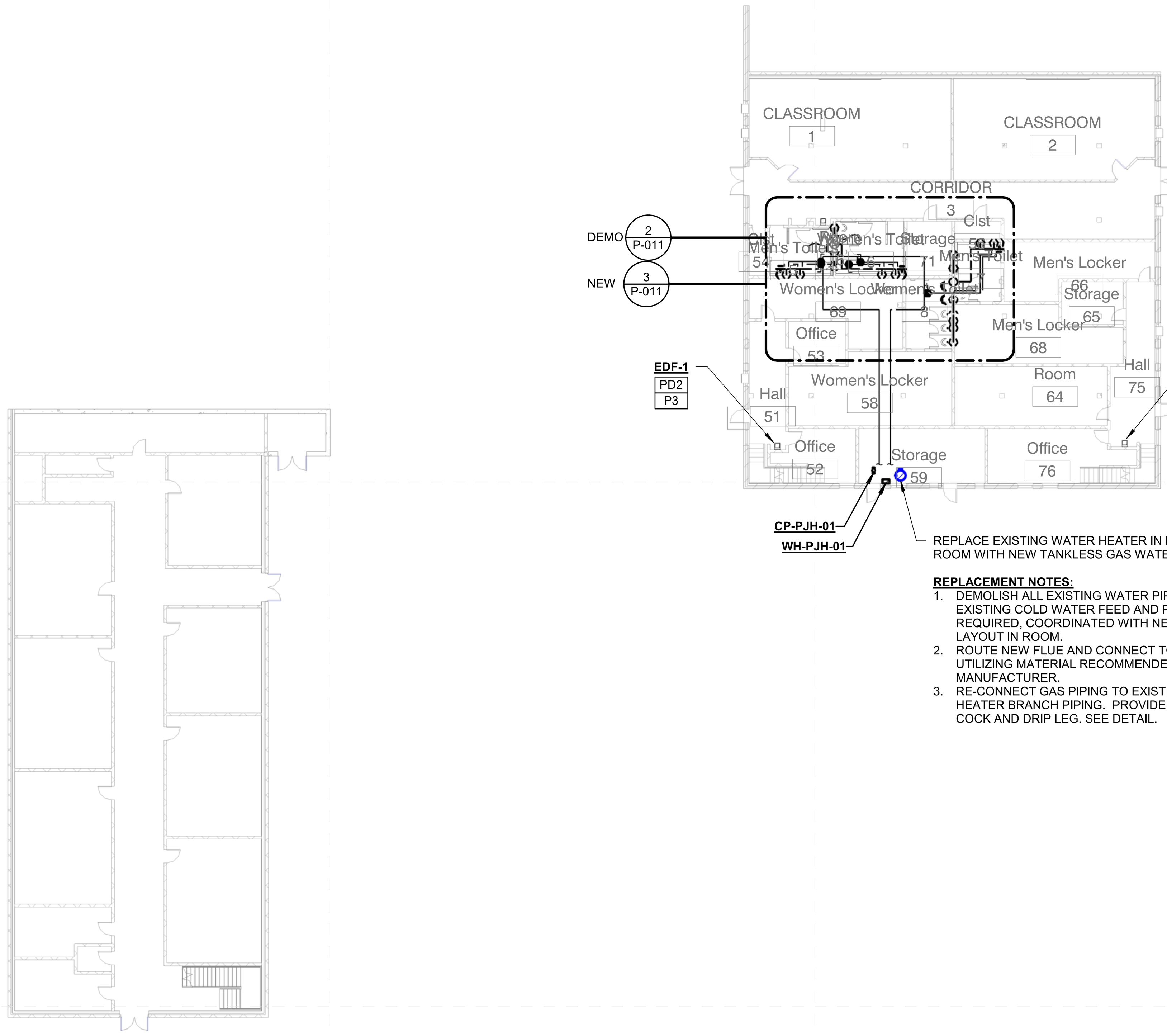
P-001
PCS High School Plumbing Plans



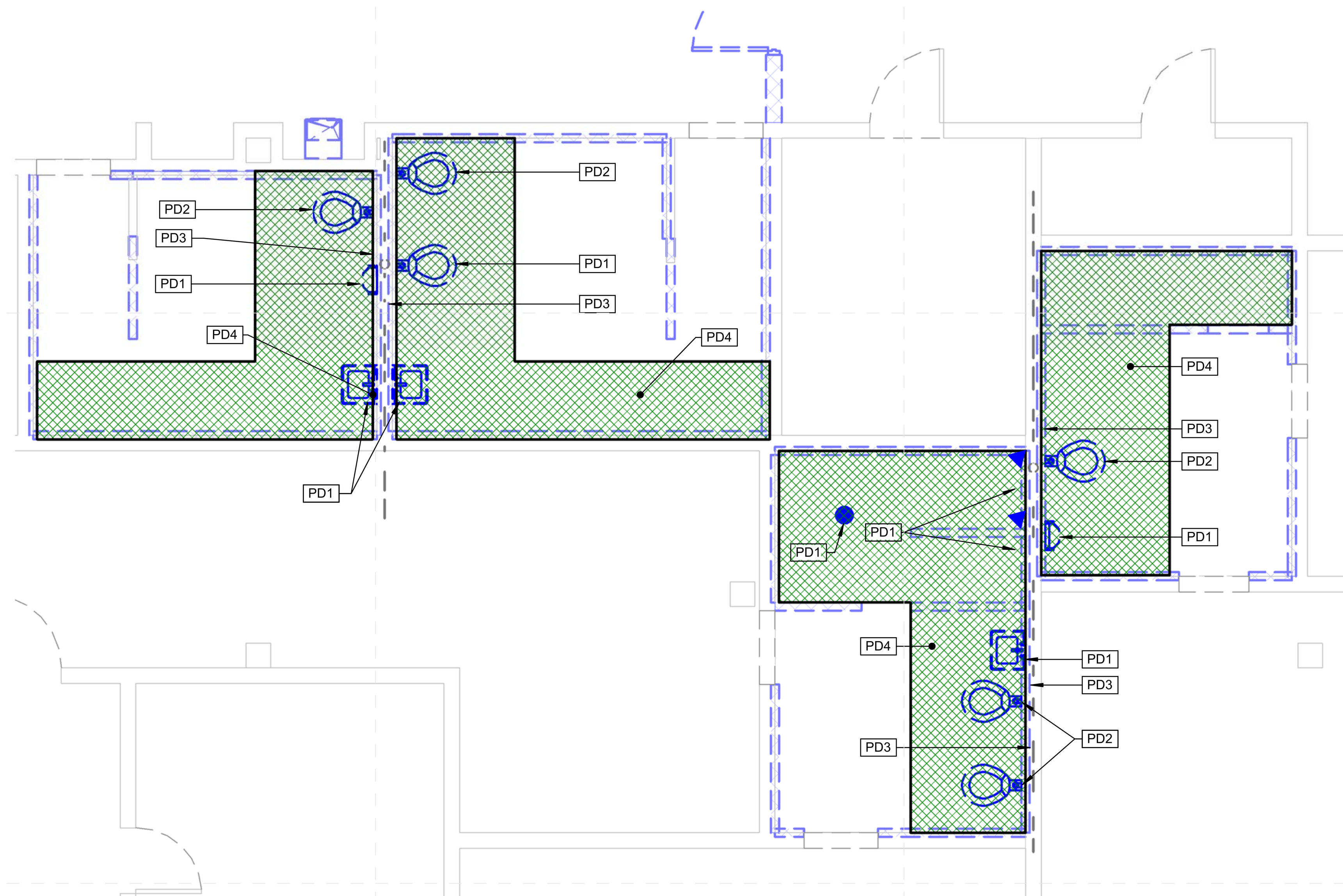
REPLACE EXISTING WATER HEATER IN MECHANICAL ROOM WITH NEW TANKLESS GAS WATER HEATER.

REPLACEMENT NOTES:

1. DEMOLISH ALL EXISTING WATER PIPING TO POINT OF EXISTING COLD WATER FEED AND RE-PIPE AS REQUIRED, COORDINATED WITH NEW DUCTWORK LAYOUT IN ROOM.
2. ROUTE NEW FLUE AND CONNECT TO EXISTING UTILIZING MATERIAL RECOMMENDED BY MANUFACTURER.
3. RE-CONNECT GAS PIPING TO EXISTING WATER HEATER BRANCH PIPING. PROVIDE NEW UNION, GAS COCK AND DRIP LEG. SEE DETAIL.

1 P-011 PCS Junior High Overall First Level Mechanical Plan

1" = 20'-0"



2 P-011 Enlarged Jr. High School Toilet Plumbing Plan (1st Level) - Demo

1/4" = 1'-0"

SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.
PD4	SAWCUT EXISTING FLOOR SLAB AS DENOTED BY HATCHING AS REQUIRED FOR INSTALLATION OF NEW WORK.

GENERAL PLUMBING RENOVATION NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT OF ALL FIXTURES AND DESIGNATION OF ADA COMPLIANT FIXTURES. VERIFY/COORDINATE EXISTING ROUGH-IN LOCATIONS AND MODIFY ACCORDINGLY TO MATCH NEW MOUNTING HEIGHTS AND ADA COMPLIANCE.
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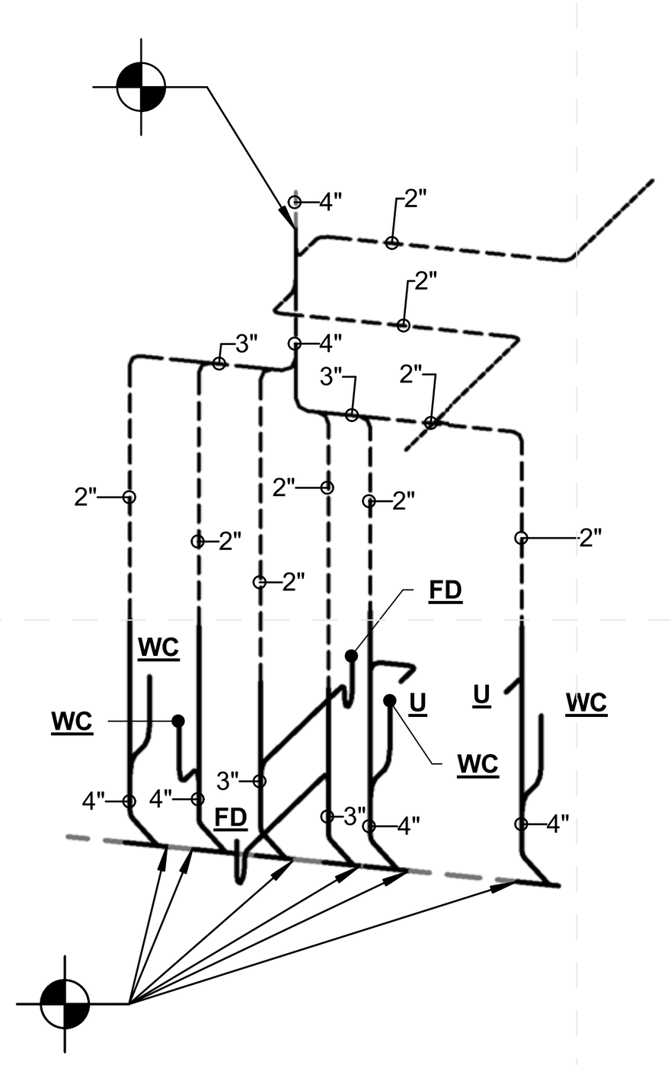
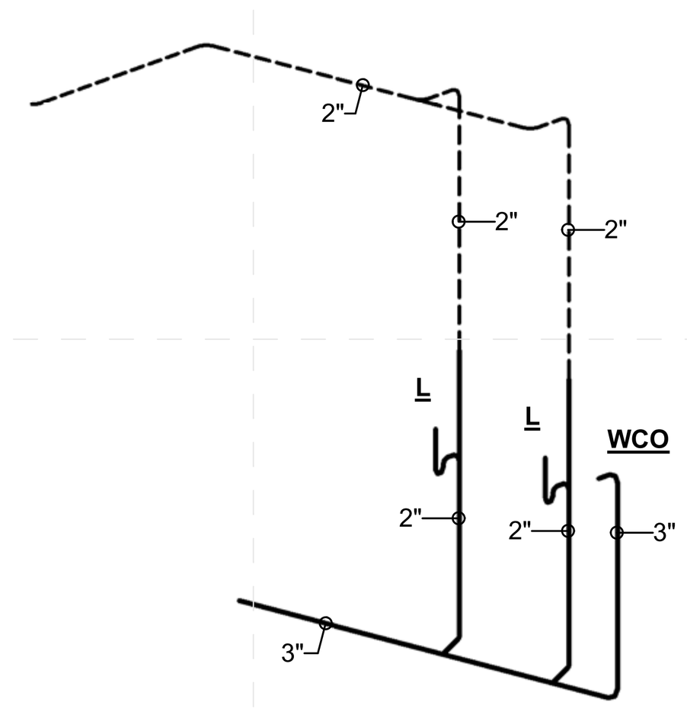
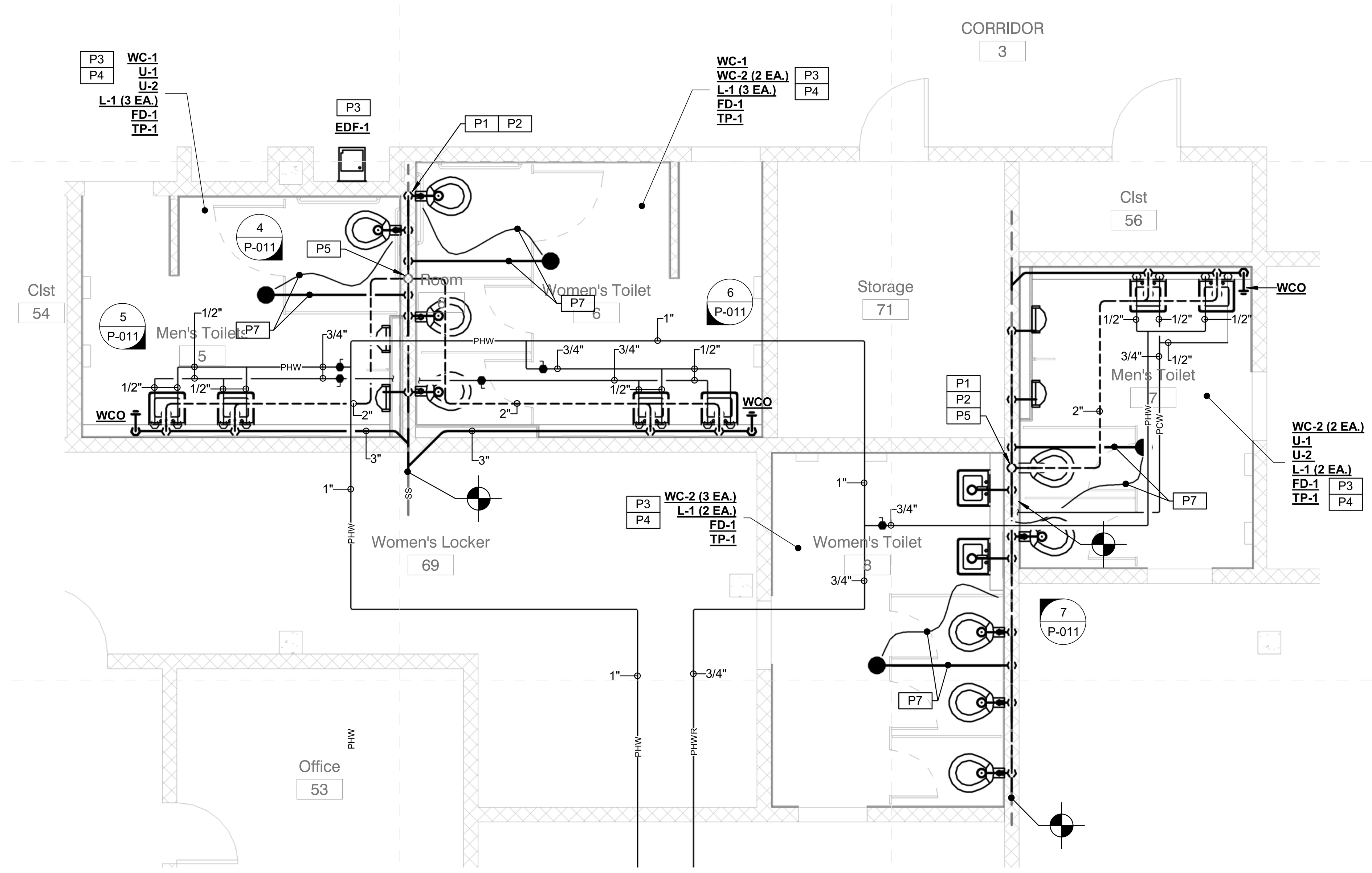
3. IN ALL AREAS OF RENOVATION, UNLESS OTHERWISE INDICATED, EXISTING PLUMBING SERVICES SHALL BE MODIFIED AND EXTENDED IN CHASES, WALLS, BELOW SLAB/FLOOR AND/OR ABOVE CEILING AS REQUIRED TO CONNECT TO NEW PLUMBING FIXTURES AND/OR RECONNECT EXISTING PLUMBING FIXTURES WHERE INDICATED.
4. UNLESS OTHERWISE 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.
5. 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.
6. 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.
7. 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.



4 P-011 Plumbing Riser 1 (Jr. High)



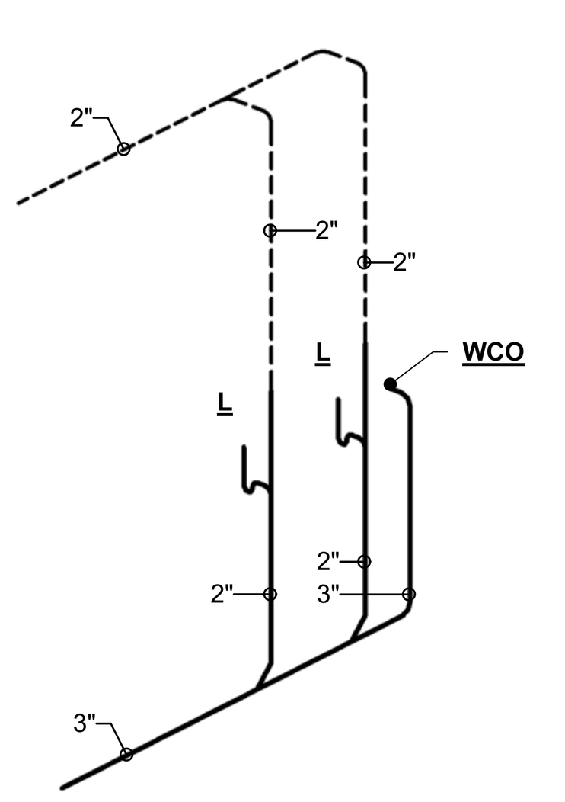
5 P-011 Plumbing Riser 2 (Jr. High)



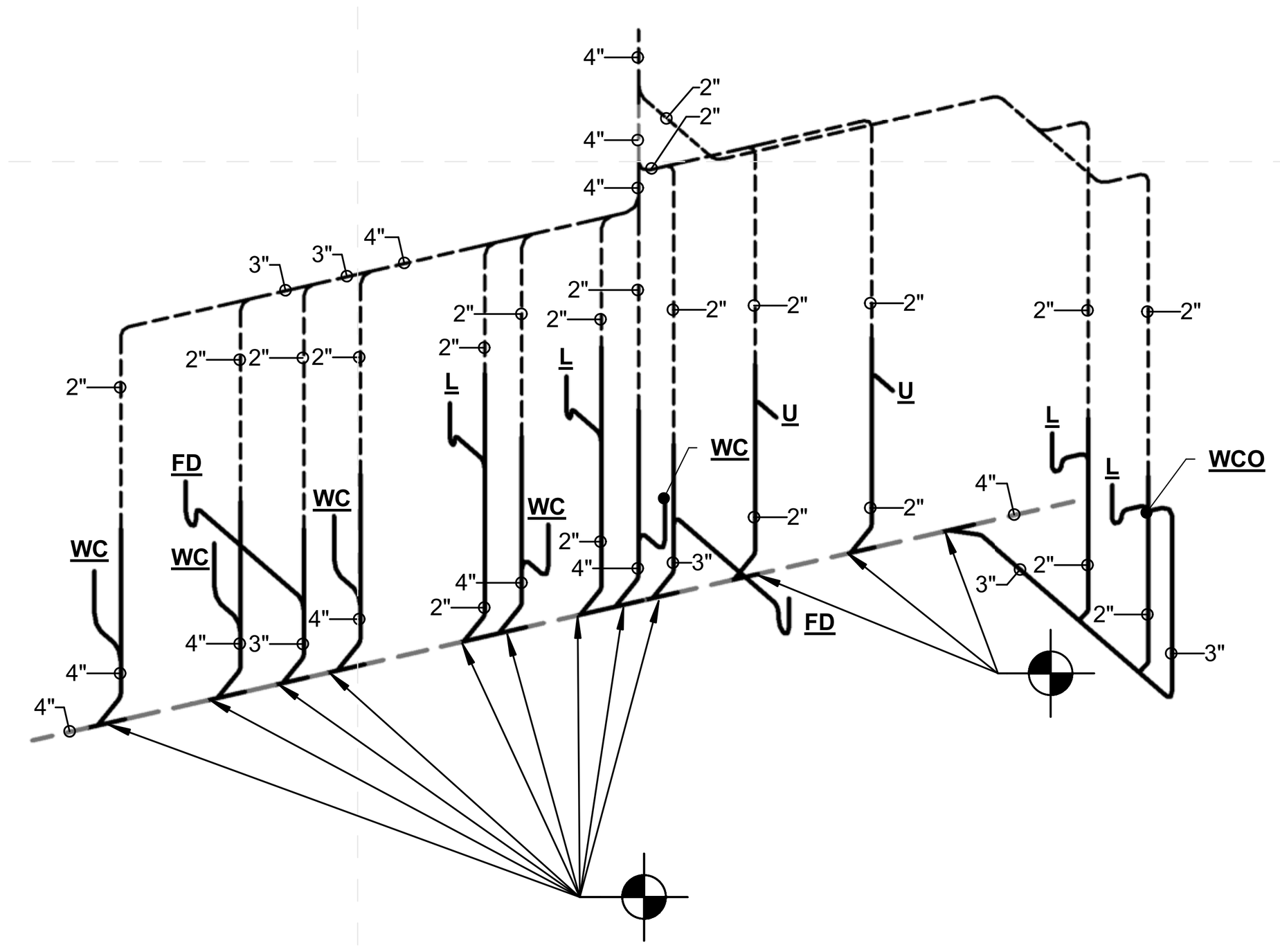
3 P-011 Enlarged Jr. High School Toilet Plumbing Plan (1st Level) - New Work

1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	EXTEND TO NEW AND EXISTING PLUMBING SERVICES IN CHASE WALLS, BELOW SLAB AS APPLICABLE TO CONNECT TO AND SERVE NEW PLUMBING FIXTURES. THE USE OF EXISTING DRAWINGS WHERE AVAILABLE AND FACILITY MAINTENANCE PERSONNEL, SHOULD 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.
P2	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.
P3	PROVIDE NEW PLUMBING FIXTURES AS INDICATED.
P4	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P5	CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF, REUTILIZING EXISTING ROOF PENETRATION.
P7	1/2" TYPE 'K' SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR.



6 P-011 Plumbing Riser 3 (Jr. High)



7 P-011 Plumbing Riser 4 (Jr. High)

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Pontotoc City Schools ESSR 2&3

PCS Site: 140 Education Dr., Pontotoc, MS 38863

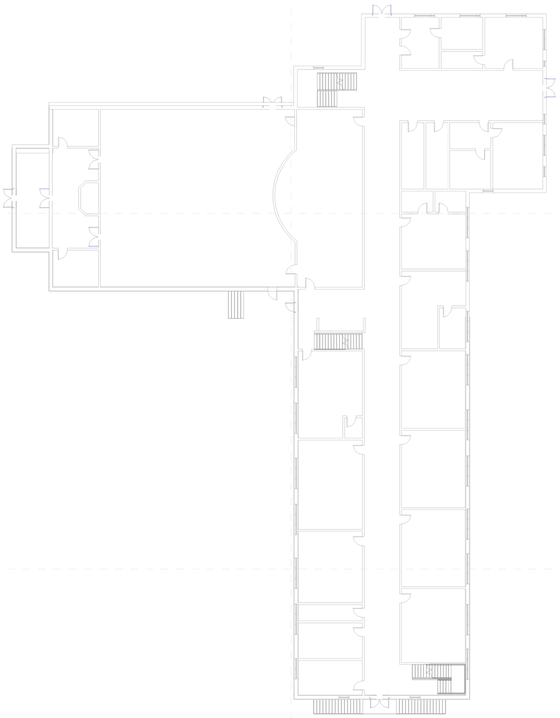
Construction Documents

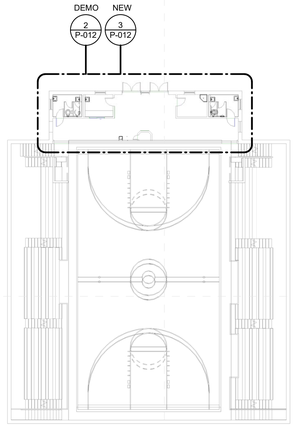
Project No	21064
Date	10 November 2021
Revisions	Rev Date

GSK MECHANICAL
Consulting Engineering
GSK#: 110-078

P-011

PCS Jr. High School Plbg Plans - 1st Level





1 P-012 PCS Junior High Overall Second Level Mechanical Plan

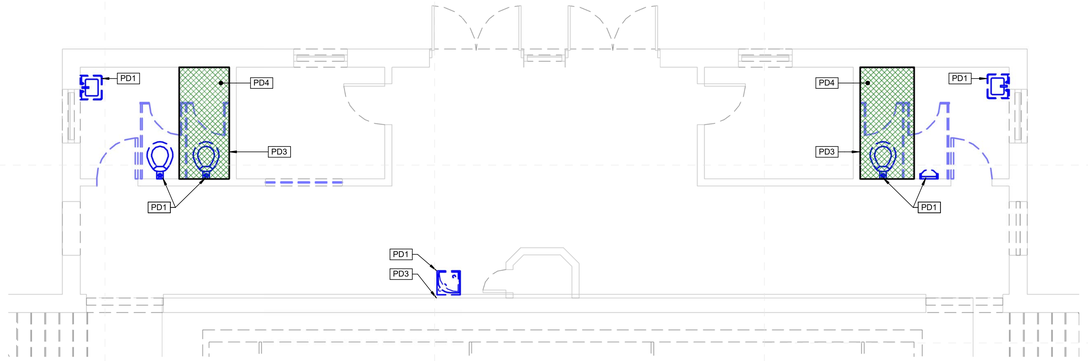
1" = 20'-0"

GENERAL PLUMBING RENOVATION NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT OF ALL FIXTURES AND DESIGNATION OF ADA COMPLIANT FIXTURES. VERIFY/COORDINATE EXISTING ROUGH-IN LOCATIONS AND MODIFY ACCORDINGLY TO MATCH NEW MOUNTING HEIGHTS AND ADA COMPLIANCE.
2. 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 PERSONNEL SHOULD 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.

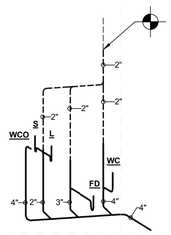
SPECIFIC PLUMBING DEMOLITION NOTES

PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.
PD4	SAWCUT EXISTING FLOOR SLAB AS DENOTED BY HATCHING AS REQUIRED FOR INSTALLATION OF NEW WORK.



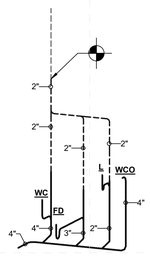
2 P-012 Enlarged Jr. High School Toilet Plumbing Plan (2nd Level) - Demo

1/4" = 1'-0"



Plumbing Riser 5 (Jr. High)

4 P-012

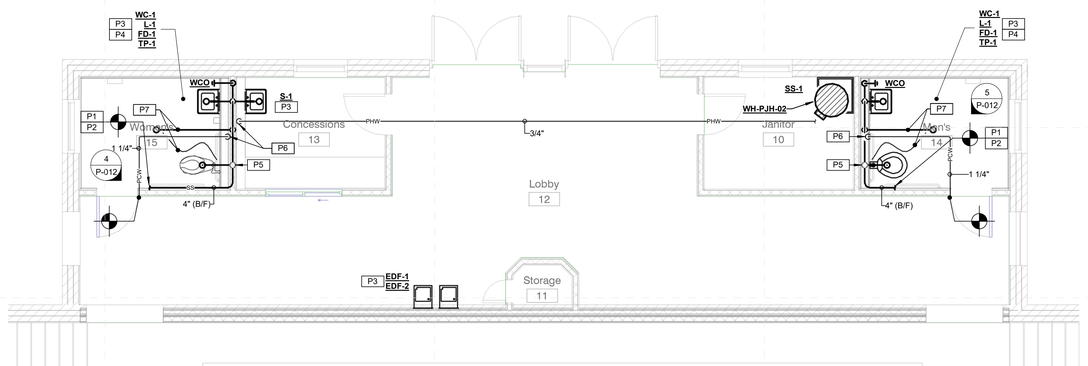


Plumbing Riser 6 (Jr. High)

5 P-012

SPECIFIC PLUMBING NOTES

P1	EXTEND TO NEW AND EXISTING PLUMBING SERVICES IN CHASE WALLS, BELOW SLAB AS APPLICABLE TO CONNECT TO AND SERVE NEW PLUMBING FIXTURES. THE USE OF EXISTING DRAWINGS WHERE AVAILABLE AND FACILITY MAINTENANCE PERSONNEL, SHOULD 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.
P2	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.
P3	PROVIDE NEW PLUMBING FIXTURES AS INDICATED.
P4	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P5	CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF. REUTILIZING EXISTING ROOF PENETRATION.
P6	EXTEND NEW FULL SIZE WATER HEADER PIPING HORIZONTALLY IN PLUMBING CHASES WITH BRANCH PIPING TO SERVE INDIVIDUAL FIXTURES SIZED PER PLUMBING FIXTURE ROUGH-IN SCHEDULE AND INCLUDING WATER HAMMER ARRESTERS.
P7	1/2" TYPE 'K' SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR.



3 P-012 Enlarged Jr. High School Toilet Plumbing Plan (2nd Level) - New Work

1/4" = 1'-0"

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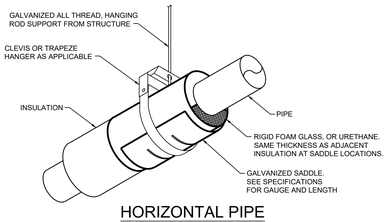
P-012

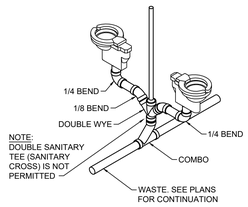
PCS Jr. High School Plbg Plans - 2ndLevel



HORIZONTAL PIPE INSULATION AND HANGING DETAIL

N.T.S.

NOTE: UNINSULATED GAS PIPING SIMILAR



NOTE:
DOUBLE SANITARY TEE (SANITARY CROSS) IS NOT PERMITTED

NOTE:
INSTALLATION INDICATED IS FOR SCH. 40 PVC-DWV PIPE AND FITTINGS

BACK-TO-BACK WATER CLOSET PIPING DETAIL

N.T.S.

PLUMBING FIXTURE SCHEDULE

MARK	ADA REQ'D	DESCRIPTION	ROUGH-IN REQUIREMENTS					FIXTURE MAKE AND MODEL	FAUCET MAKE AND MODEL	DESCRIPTION	FLOOR MTND. CARRIER REQ'D
			WASTE	VENT	120 °F HW	CW	TEMPERED				
WC-1	YES	WATER CLOSET - FLOOR MOUNTED FLUSH VALVE (BATTERY POWERED SENSOR)	4"	2"-4"	-	1"	-	KOHLER K-96057	ZURN ZER-6000AV-WS1-MOB	-	NO
WC-2	NO	WATER CLOSET - FLOOR MOUNTED FLUSH VALVE (BATTERY POWERED SENSOR)	4"	2"-4"	-	1"	-	KOHLER K-96054	ZURN ZER-6000AV-WS1-MOB	-	NO
U-1	YES	URINAL - WALL MOUNTED WASHOUT TYPE (BATTERY POWERED SENSOR)	2"	2"	-	3/4"	-	KOHLER K-4904-ET-0	ZURN ZER-6003PL-WS1-CCP-MOB	-	YES
U-2	NO	URINAL - WALL MOUNTED WASHOUT TYPE (BATTERY POWERED SENSOR)	2"	2"	-	3/4"	-	KOHLER K-4904-ET-0	ZURN ZER-6003PL-WS1-CCP-MOB	-	YES
L-1	YES	LAVATORY - WALL MOUNTED TYPE (BATTERY POWERED SENSOR)	2"	2"	-	-	1/2"	KOHLER K-2007	ZURN Z6950-XL-S	0.5 GPM VANDAL RESISTANT LAMINAR FLOW OUTLET	YES
S-1	NO	SINK - WALL MOUNTED SINGLE LARGE STAINLESS STEEL KITCHEN SINK (27"x21.5"x12")	2"	2"	1/2"	1/2"	-	ADVANCE TABCO FC-WM-2721	ADVANCE TABCO MODEL K-101	WIDE SPREAD FAUCET, WRIST BLADE HANDLES,1.5 GPM VANDAL RESISTANT AERATOR	NO
SS-1	NO	SERVICE SINK - FLOOR MOUNTED TERRAZZO CORNER TYPE, 24"	3"	2"	1/2"	1/2"	-	ACORN TNC-24	T&S BRASS B-0665-BSTR	PROVIDE WITH KMH MOP HANGER AND KWG WALL GUARDS	NO
EDF-1	YES	ELECTRIC DRINKING FOUNTAIN - WALL MOUNTED TYPE w/BOTTLE FILLER	2"	2"	-	1/2"	-	MURDOCK A171408F-BF2S	-	SENSOR OPERATED WATER FILLING STATION, WATER FILTER, CANE TOUCH APRON	YES
EDF-2	NO	ELECTRIC DRINKING FOUNTAIN - WALL MOUNTED TYPE	2"	2"	-	1/2"	-	MURDOCK A171408F	-	WATER FILTER, CANE TOUCH APRON	YES
TP-1	NO	TRAP PRIMER - CONNECT TO FLUSH VALVE ASSEMBLY	-	-	-	1/2"	-	ZURN Z-6000 TPO	-	-	NO
FD-1	NO	FLOOR DRAIN - GENERAL DRAINAGE IN TOILET AREAS	3"	2"	-	-	-	ZURN MODEL Z415-7B	-	-	NO
FFCO	NO	FINISHED FLOOR CLEANOUT	2"-4"	-	-	-	-	ZURN MODEL Z1400	-	-	NO
WCO	NO	WALL CLEANOUT	2"-4"	-	-	-	-	ZURN MODEL Z1446	-	-	NO

MISCELLANEOUS PLUMBING FIXTURE TRIM

STOPS AND SUPPLIES
1. STOPS FOR LAVATORIES, SINKS, TANK TYPE WATER CLOSETS, ETC. SHALL BE CHROME PLATED BRASS ANGLE QUARTER TURN BALL VALVE COMPRESSION TYPE AS "CONVERTABLE" BY MCGUIRE.
2. SUPPLIES SHALL BE STAINLESS STEEL BRAIDED/REINFORCED TYPE.

FIXTURE TRIM
1. DRAIN AND WASTE ASSEMBLIES BELOW LAVATORIES AND SINKS SHALL BE MINIMUM 17 GAUGE CHROME PLATED BRASS AND TRAPS SHALL INCLUDE CLEANOUT PLUGS. SINK BASKET/STRAINERS SHALL BE OF STAINLESS STEEL CONSTRUCTION.

ESCUTCHEONS
1. PROVIDE CHROME-PLATED ESCUTCHEONS ON ALL WATER AND DRAIN PIPING WALL, FLOOR AND CEILING PENETRATIONS. HEAVY DUTY TYPE WITH SET SCREWS SHALL BE UTILIZED IN EXPOSED APPLICATIONS UNDER WALL MOUNTED LAVATORIES AND SINKS. EXPOSED PIPING APPLICATIONS ON TANK TYPE WATER CLOSET STOPS AND ON EXPOSED PIPING TO FLUSH VALVES, ETC. LIGHT DUTY SLIP-ON TYPE MAY BE UTILIZED IN CONCEALED (WITHIN CABINET) INSTALLATIONS.

HANDICAPPED SERVICES
1. PROVIDE WHERE REQUIRED AND/OR INDICATED FIXTURES THAT COMPLY WITH THE LATEST VERSION OF AMERICAN WITH DISABILITIES ACT (ADA).
2. PROVIDE NEAT PRE-PACKAGED MOLDED INSULATION PROTECTION ON AN EXPOSED DRAIN AND WATER SUPPLY PIPING BELOW SINKS AND LAVATORIES EQUAL TO TRUEBRO MODEL #105.

CARRIERS:
1. PROVIDE APPROPRIATE CARRIERS FOR ALL WALL MOUNTED WATER CLOSETS, URINALS, LAVATORIES, ELECTRIC DRINKING FOUNTAINS AND SINKS AND AS INDICATED HEREIN. ALL CARRIERS SHALL BE CONCEALED FLOOR MOUNTED TYPE UNLESS OTHERWISE APPROVED BY PROFESSIONAL.

PLUMBING PIPING AND JOINING REQUIREMENTS

SERVICE	MATERIAL	JOINING	TESTS REQUIRED	PIPING INSULATION AND THICKNESS
DOMESTIC WATER ABOVE SLAB ON GRADE	TYPE 'L' COPPER	LEAD FREE SOLDER OR PRESS FITTINGS	PER INTERNATIONAL PLUMBING CODE	1" THICK MOLDED FIBERGLASS
SANITARY WASTE AND VENT ABOVE SLAB ON GRADE	SCH. 40 PVC (SOLID CORE) WITH DWV FITTINGS	SOLVENT WELD (GLUE)	PER INTERNATIONAL PLUMBING CODE	NONE
SANITARY WASTE AND VENT PIPING BELOW SLAB ON GRADE	SCH. 40 PVC (SOLID CORE) WITH DWV FITTINGS	SOLVENT WELD (GLUE)	PER INTERNATIONAL PLUMBING CODE	NONE
SANITARY WASTE AND VENT PIPING BELOW GRADE (OUTSIDE)	SCH. 40 PVC (SOLID CORE) WITH DWV FITTINGS	SOLVENT WELD (GLUE)	PER INTERNATIONAL PLUMBING CODE	NONE
CONDENSATE DRAIN ABOVE SLAB ON GRADE	SCH. 40 PVC (SOLID CORE) WITH DWV FITTINGS	SOLVENT WELD (GLUE)	PER INTERNATIONAL PLUMBING CODE	1/2" THICK ARMAFLEX

DOMESTIC WATER HEATER SCHEDULE

MARK	FUEL	STORAGE CAP., GAL.	RECOVERY G.P.H. AT 100 °F RISE	MIN. GPM	INPUT KW	INPUT MBH	ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ ACCESSORIES
PONTOTOC HIGH SCHOOL									
WH-PHS-01	ELEC.	TANKLESS	-	0.2	8.3	-	208V.,1ph	EEMAX MODEL SPEX8208T ML	1
WH-PHS-02	ELEC.	TANKLESS	-	0.2	8.3	-	208V.,1ph	EEMAX MODEL SPEX8208T ML	1
PONTOTOC JR. HIGH SCHOOL									
WH-PJH-01	N. GAS	TANKLESS	-	3.5 (MAX)	-	180.0	120V.,1ph	NORIZ MODEL EZ98	1, 2
WH-PJH-02	ELEC.	30	24	-	6.0	-	208V.,1ph	A.O. SMITH MODEL DEL-30	1, 3

FEATURES/ACCESSORIES:
1. PROVIDE PIPING, VALVES AND ACCESSORIES PER DETAILS.
2. PROVIDE RECIRCULATING PUMP AND PIPING PER DETAIL.

CIRCULATING PUMP SCHEDULE

MARK	LOCATION	SYSTEM [1]	CIRCULATING FLUIDS					NPSHR (FEET)	% EFF.	[2] TYPE	ELECTRICAL DATA			BASIS OF DESIGN
			FLUID	GPM	PUMP HEAD FT. FLUID	TEMP., °F	SP. GR.				NOM. HP	SERVICE	RPM	
CP-PJH-01	WH-PJH-01	A	WATER	2	20	60-200	1	10	-	A	1/12	120V.,1ph	2650	BELL & GOSSETT MODEL PL-30B

[1] SYSTEM
A. DOMESTIC HOT WATER RECIRCULATING (120°F)

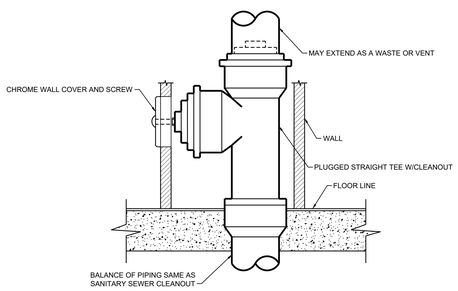
[2] TYPE
A. INLINE - LOW LEAD BRONZE OR STAINLESS STEEL

COMPARABLE PRODUCTS:
BELL AND GOSSETT, PACO, TACO

MOTOR STARTER SCHEDULE

SERVING	HP OF EACH LOAD	ELECTRICAL CHARACTERISTICS	BASIS OF DESIGN	NOTES [1]
CP-PJH-01	1/12	120V.,1ph	FRANKLIN CONTROLS SYSTMS MODEL BAS-1P	1, 2, 3

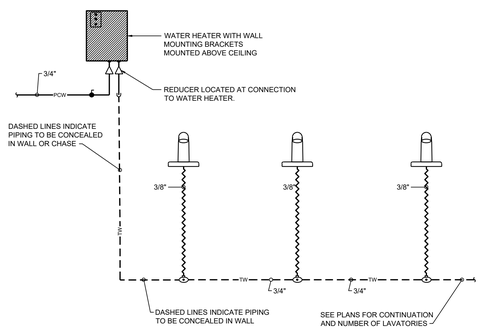
[1] NOTES
1. COORDINATE CONTROL REQUIREMENTS TO ACHIEVE SEQUENCE OF OPERATIONS.
2. MOUNT STARTER WITHIN 10' OF EQUIPMENT SERVED. COORDINATE IN FIELD SPECIFIC LOCATION.
3. COMBINATION MOTOR STARTER/DISCONNECT.



WALL CLEANOUT DETAIL

N.T.S.

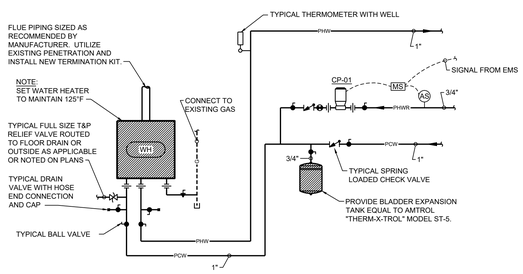
NOTE:
EXAMPLE SHOWN IS CAST IRON; PVC/DWV EXAMPLE SIMILAR.



MULTIPLE FIXTURE PIPING DETAIL UNDER COUNTER TANKLESS ELECTRIC WATER HEATER

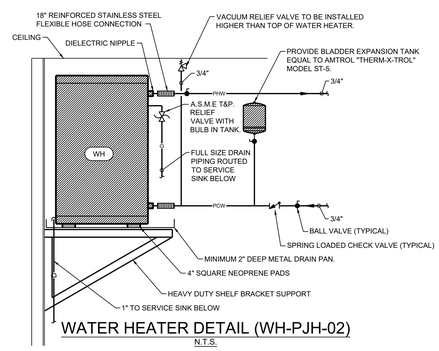
N.T.S.

NOTE:
INSTALL WATER HEATER AND ASSOCIATED PIPING IN LOCATION WHICH MAINTAINS ALL ADA CLEARANCES WHERE INSTALLED SERVING ADA COMPLIANT PLUMBING FIXTURES.



WATER HEATER (WH-PJH-01) DETAIL

N.T.S.



WATER HEATER DETAIL (WH-PJH-02)

N.T.S.

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Construction Documents

Project No 21064
Date 10 November 2021
Revisions Rev Date

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P-201

Plumbing Schedules and Details

ELECTRICAL LEGEND

GENERAL NOTES

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. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.

LUMINAIRES (See Light Fixture Schedule)

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.

- 2'X2' RECESSED FIXTURE.
- 2'X2' RECESSED EMERGENCY FIXTURE.
- 2'X4' RECESSED FIXTURE.
- SURFACE MOUNTED OR SUSPENDED FIXTURE.
- SURFACE MOUNTED OR SUSPENDED EMERGENCY FIXTURE.
- RECESSED CEILING FIXTURE.
- RECESSED EMERGENCY CEILING FIXTURE.
- PENDANT MOUNT FIXTURE.
- CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.
- EXIT SIGN WITH EMERGENCY LIGHTING.
- WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.
- WALL MOUNTED FIXTURE.

MISCELLANEOUS

- C — CONTACTOR.
- PE — PHOTOCELL.
- J — CEILING MOUNTED JUNCTION BOX.
- J — WALL MOUNTED JUNCTION BOX.
- ~ — FLEXIBLE CONNECTION TO EQUIPMENT.

SWITCHES

- $ — SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- 2P$ — DOUBLE-POLE, SINGLE-THROW, 30 AMP SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- 3$ — THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- 4$ — FOUR-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- LED DIMMER EQUAL TO LEVITON #IP710-LFZ MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- M$ — AUTOMATIC WALL SWITCH. SENSORSWITCH #WSD-PDT OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.
- M — AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER. SENSORSWITCH #WSX-PDT-D-VA OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
- $T — HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS (MANUAL MOTOR STARTER).
- MD1 — PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 12' RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-9 OR APPROVED EQUAL.
- MD2 — PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 28' RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-10 OR APPROVED EQUAL.
- MDC — 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.
- PP — POWER PACK MOUNTED ABOVE CEILING. SENSORSWITCH #PP20 OR APPROVED EQUAL.

GEAR

- ?/?/? F-? — FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE; F-(RATING OF FUSES).
- ?/?/? — NON-FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE.
- MAGNETIC MOTOR STARTER.
- ?/?/? F-? NEMA SIZE ? — COMBINATION FUSED DISCONNECT AND MAGNETIC MOTOR STARTER.
- COMBINATION CIRCUIT BREAKER AND MAGNETIC MOTOR STARTER.
- PANELBOARD.

COMMUNICATIONS

- DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH 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.
- TELEVISION CABLE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- DATA OUTLET MOUNTED IN THE CEILING.
- WIFI.

CCTV SYSTEM

- CEILING MOUNTED CAMERA.
- WALL MOUNTED CAMERA.
- INSIDE CORNER MOUNTED CAMERA.
- OUTSIDE CORNER MOUNTED CAMERA.
- VM — WALL MOUNTED MONITOR.
- VM — DESK MOUNTED MONITOR.

CONDUIT AND WIRING

- 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.
- 10 — 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.
- LA-1 — 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.
- LA-1 — PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.
- LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.

VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS

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

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.

RECEPTACLES

- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.
- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSLPASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.
- DF — 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.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A	LITHONIA	LDN6-40/20-L06-AR-LS-MVOLT-GZ10	LED - 22.5 2,006 LUMENS	RECESSED	
B	LITHONIA	EPANL-2X2-4800LM-80CRI-40K-MIN10-ZT-MVOL T	LED - 45W 4,843 LUMENS	RECESSED	
BE	LITHONIA	EPANL-2X2-4800LM-80CRI-40K-MIN10-ZT-MVOLT-E10WCP	LED - 45W 4,843 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK
BS	LITHONIA	EPANL-2X2-4800LM-80CRI-40K-MIN10-ZT-MVOLT-SMKSH	LED - 45W 4,843 LUMENS	SURFACE	
BSE	LITHONIA	EPANL-2X2-4800LM-80CRI-40K-MIN10-ZT-MVOLT-E10WCP-SMKSH	LED - 45W 4,843 LUMENS	SURFACE	WITH 120V EMERGENCY BATTERY PACK
C	LITHONIA	STL4-60L-GZ10-40K-*	LED - 53.2W 5,811 LUMENS	SURFACE/ SUSPENDED	
CE	LITHONIA	STL4-60L-GZ10-40K-EL14L-*	LED - 53.2W 5,811 LUMENS	SURFACE/ SUSPENDED	WITH 120V EMERGENCY BATTERY PACK
D	LITHONIA	STL4-40L-GZ10-40K-*	LED - 34.9W 3,979 LUMENS	SURFACE/ SUSPENDED	
DE	LITHONIA	STL4-40L-GZ10-40K-EL14L-*	LED - 34.9W 3,979 LUMENS	SURFACE/ SUSPENDED	WITH 120V EMERGENCY BATTERY PACK
F	LITHONIA	EPANL-2X4-4800LM-80CRI-40K-MIN10-ZT-MVOLT	LED - 45W 5,119 LUMENS	RECESSED	
G	LITHONIA	EPANL-2X2-3400LM-80CRI-40K-MIN10-ZT-MVOL T	LED - 30W 3,566 LUMENS	RECESSED	
GE	LITHONIA	EPANL-2X2-3400LM-80CRI-40K-MIN10-ZT-MVOLT-E10WCP	LED - 30W 3,566 LUMENS	RECESSED	WITH 120V EMERGENCY BATTERY PACK
SAE	LITHONIA	WST LED-P1-40K-VW-120-PE-W20WH-VG*	LED - 12W 1,659 LUMENS	WALL	WITH 120V EMERGENCY BATTERY PACK
X	LITHONIA	LQM-S-3-R-MVOLT-EL N	LED	UNIVERSAL	WITH 120V EMERGENCY BATTERY PACK
XEM	LITHONIA	LHQM-LED-R-HO	LED	UNIVERSAL	WITH 120V EMERGENCY BATTERY PACK

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Construction Documents

Project No	21064
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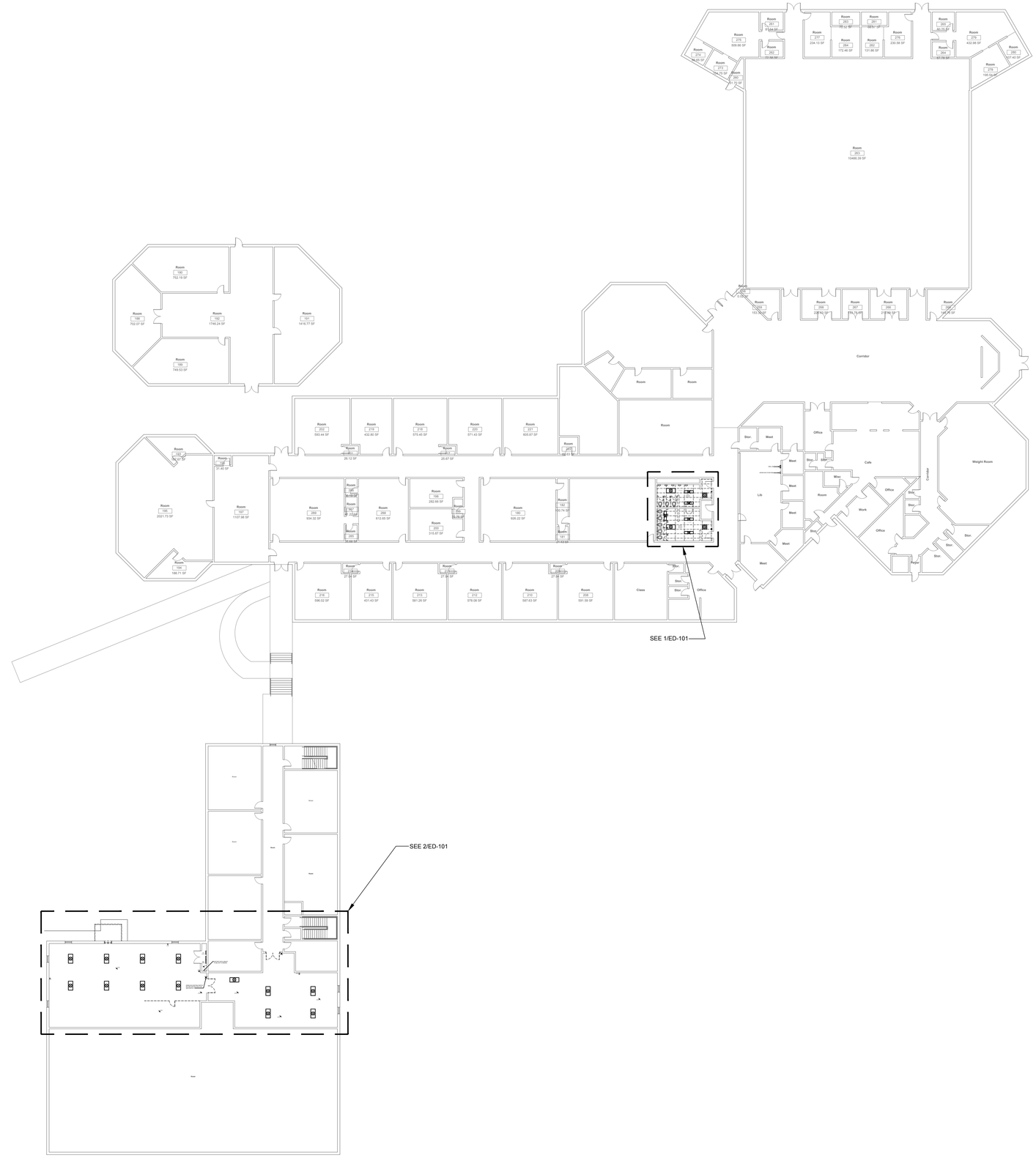
Revisions	Rev Date

E-000
PONTOTOC HIGH SCHOOL OVERALL DEMOLITION PLAN



1 ED-100 PONTOTOC HIGH SCHOOL OVERALL DEMOLITION PLAN

Scale: 1" = 20'- 0"

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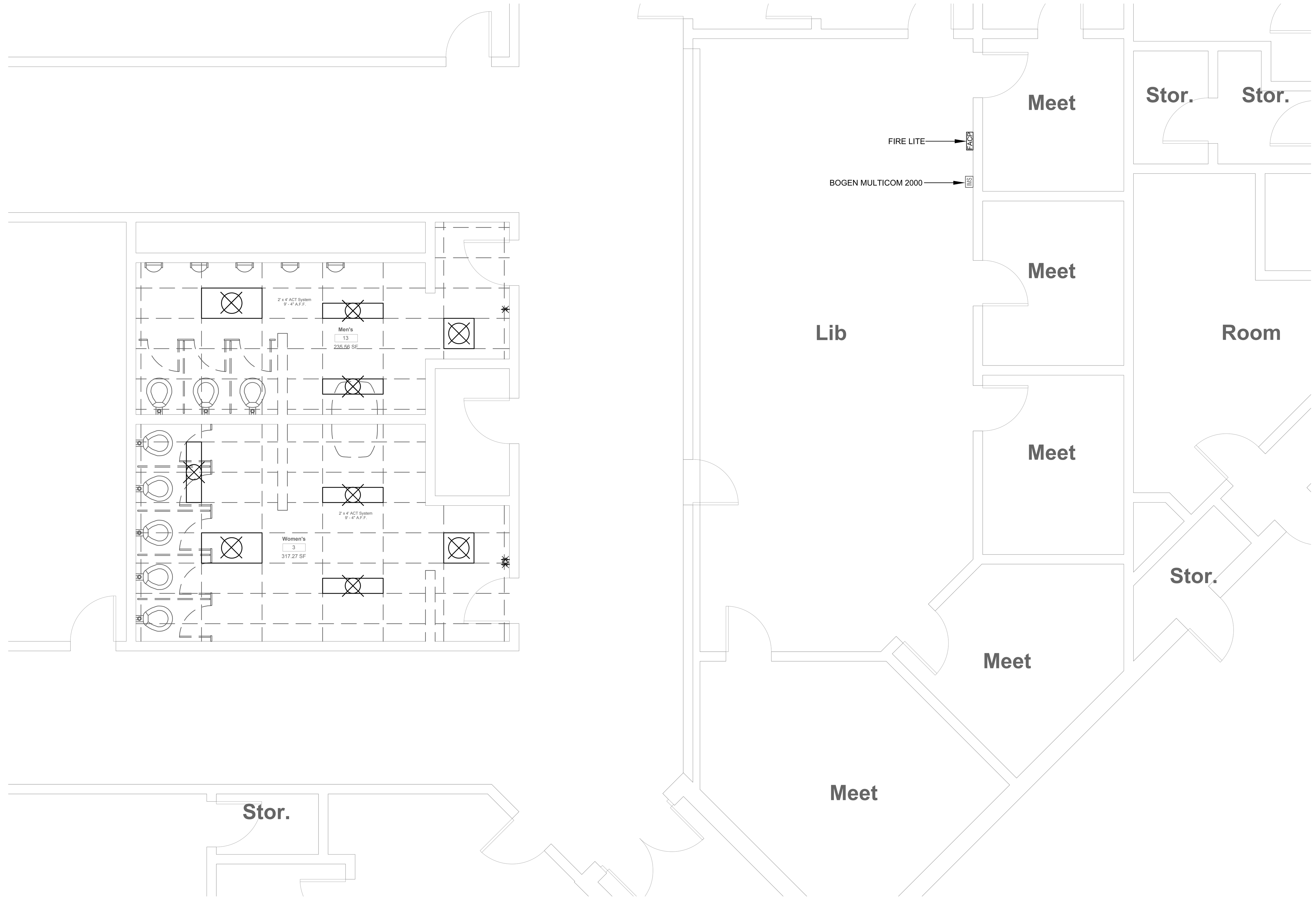
PONTOTOC HIGH SCHOOL OVERALL DEMOLITION PLAN

DEMOLITION NOTES

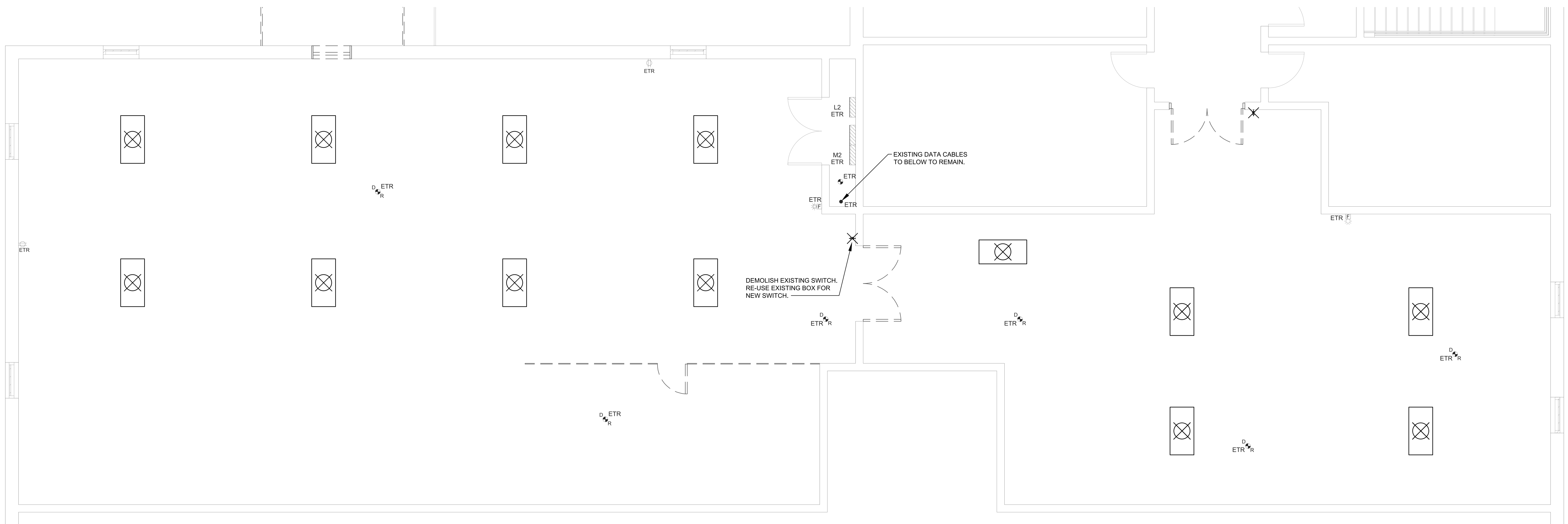
1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING ELECTRICAL RACEWAYS, CIRCUITRY, AND EQUIPMENT IN THE AREA OF WORK BE DEMOLISHED UNLESS OTHERWISE NOTED OR UNLESS FEEDING EXISTING EQUIPMENT TO REMAIN. 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.
5. ALL EXISTING LIGHT FIXTURES IN HATCHED AREA SHALL BE EXISTING TO REMAIN (ETR) UNLESS OTHERWISE NOTED. EXISTING CIRCUITRY SHALL REMAIN AND MODIFIED TO ACCOMMODATE OCCUPANCY SENSORS AND AUTOMATIC WALL SWITCHES AS SHOWN ON THE RENOVATION PLAN. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL WIRING AND CONDUIT REQUIRED TO ADD NEW DEVICES WHETHER EXPLICITLY SHOWN OR NOT.

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.



1 ED-101 PONTOTOC HIGH SCHOOL PARTIAL LIGHTING DEMOLITION PLAN - TOILETS
Scale: 1/4" = 1'- 0"



2 ED-101 PONTOTOC HIGH SCHOOL PARTIAL LIGHTING DEMOLITION PLAN - BAND UNFINISHED SPACE
Scale: 1/4" = 1'- 0"

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PONTOTOC HIGH SCHOOL PARTIAL DEMOLITION PLANS

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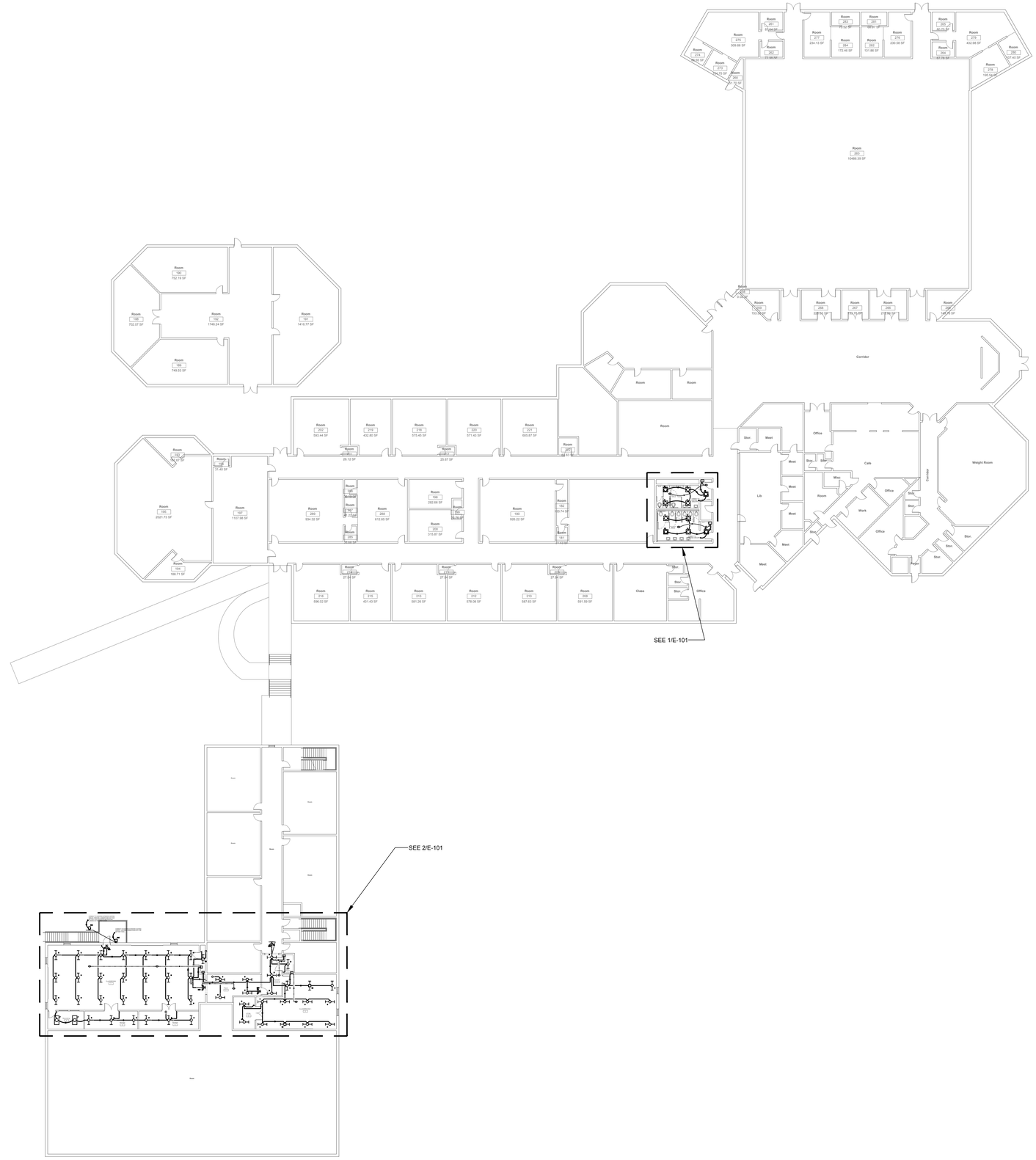

1 E-100 PONTOTOC HIGH SCHOOL OVERALL RENOVATION LIGHTING PLAN

Scale: 1" = 20'- 0"

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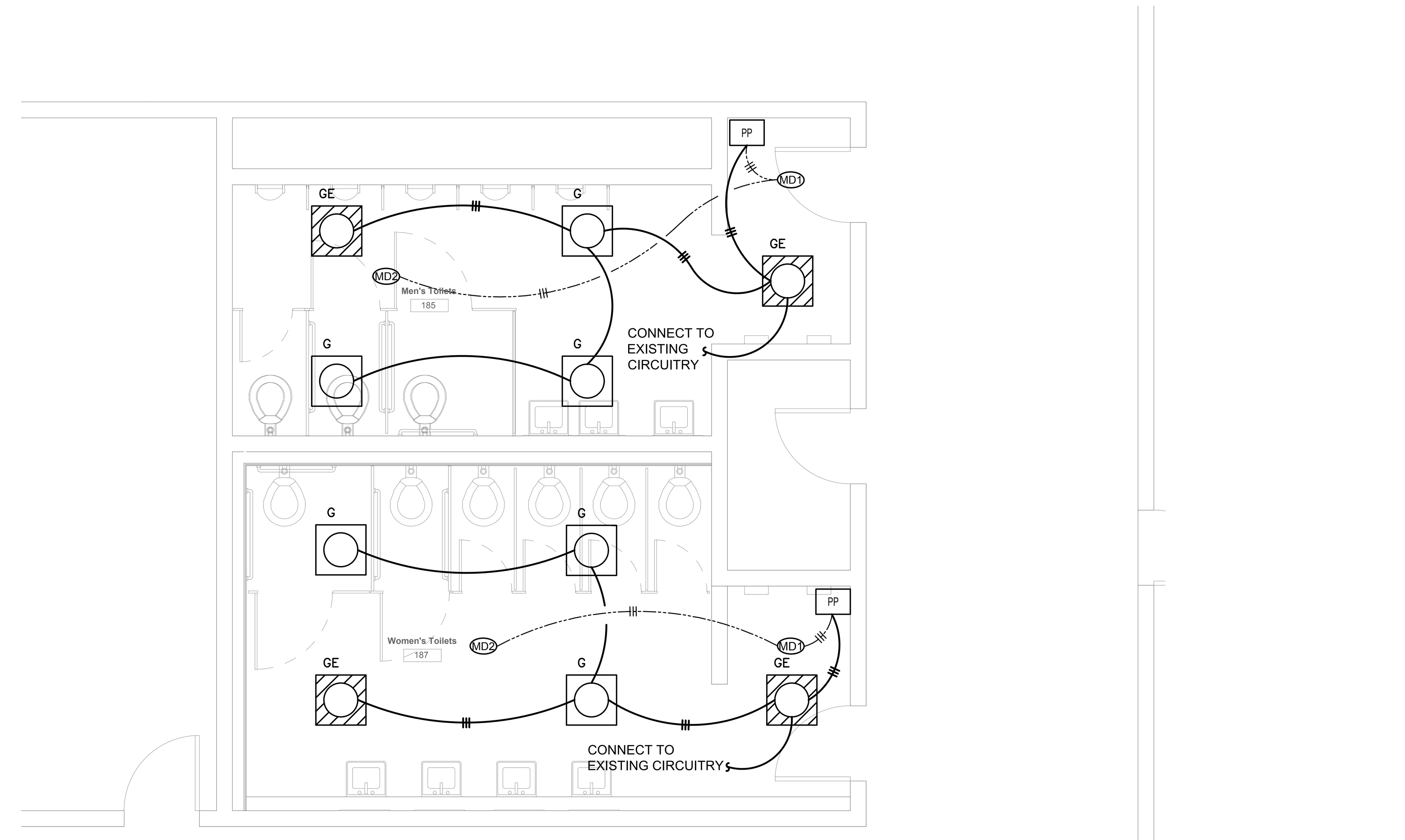
KEYED NOTES

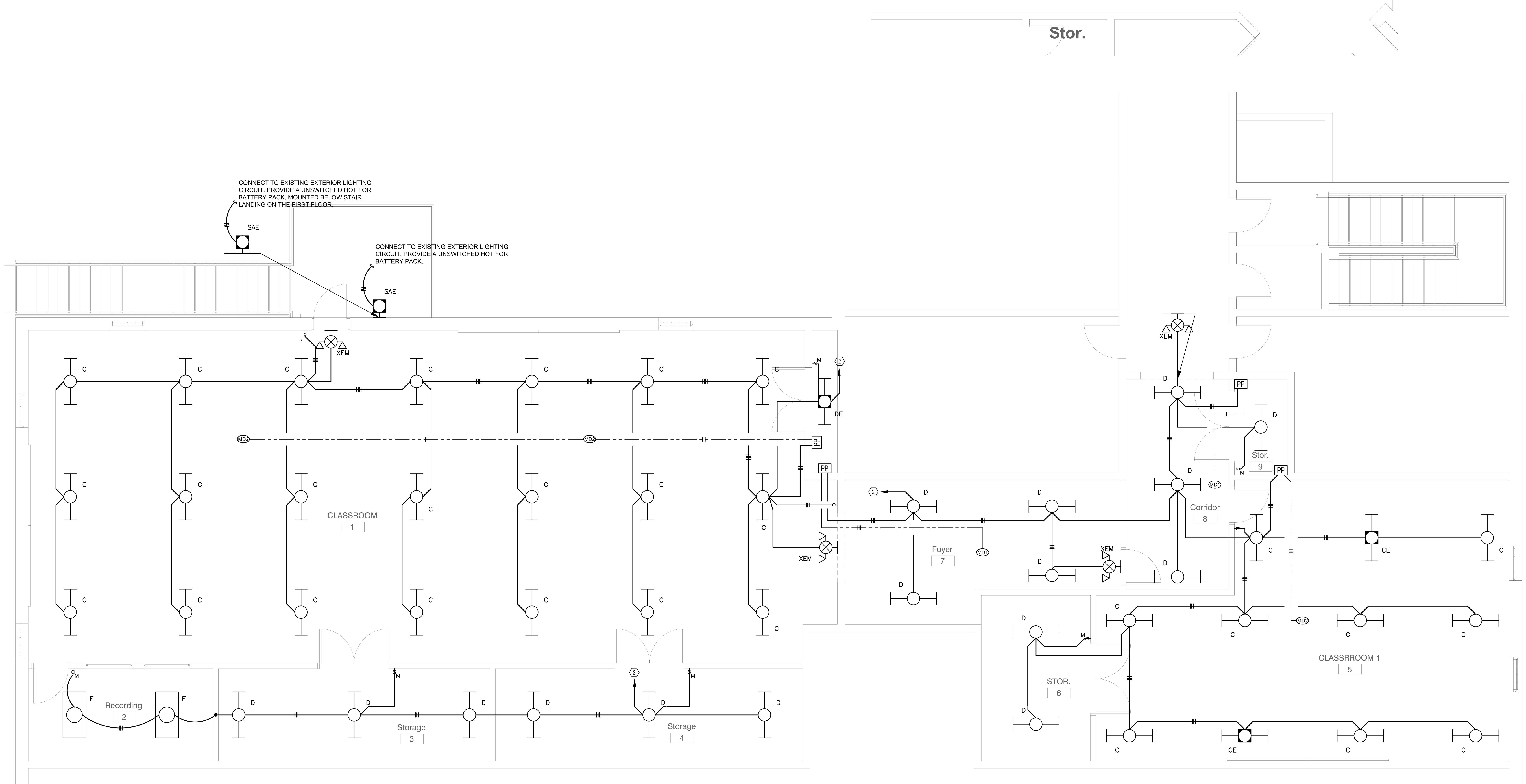
Mark	Description
1	PROVIDE A 50/2 BREAKER IN PANEL "X".
2	PROVIDE A 20/1 BREAKER IN PANEL L2.
2	PROVIDE A 20/1 BREAKER IN PANEL M2.

GENERAL NOTES

Mark	Description
1.	ELECTRICAL CONTRACTOR SHALL USE WIREMOLD 700 SERIES WHERE SURFACE MOUNTED CONDUITS ARE SHOWN.
2.	FIXTURES C, CE, D, AND DE SHALL DE SUSPENDED WITH THE BOTTOM OF THE DUCT WORK.



1 E-101 PONTOTOC HIGH SCHOOL PARTIAL RENOVATION LIGHTING PLAN - TOILETS
Scale: 1/4" = 1'- 0"



2 E-101 PONTOTOC HIGH SCHOOL PARTIAL RENOVATION LIGHTING PLAN - BAND UNFINISHED SPACE
Scale: 1/4" = 1'- 0"

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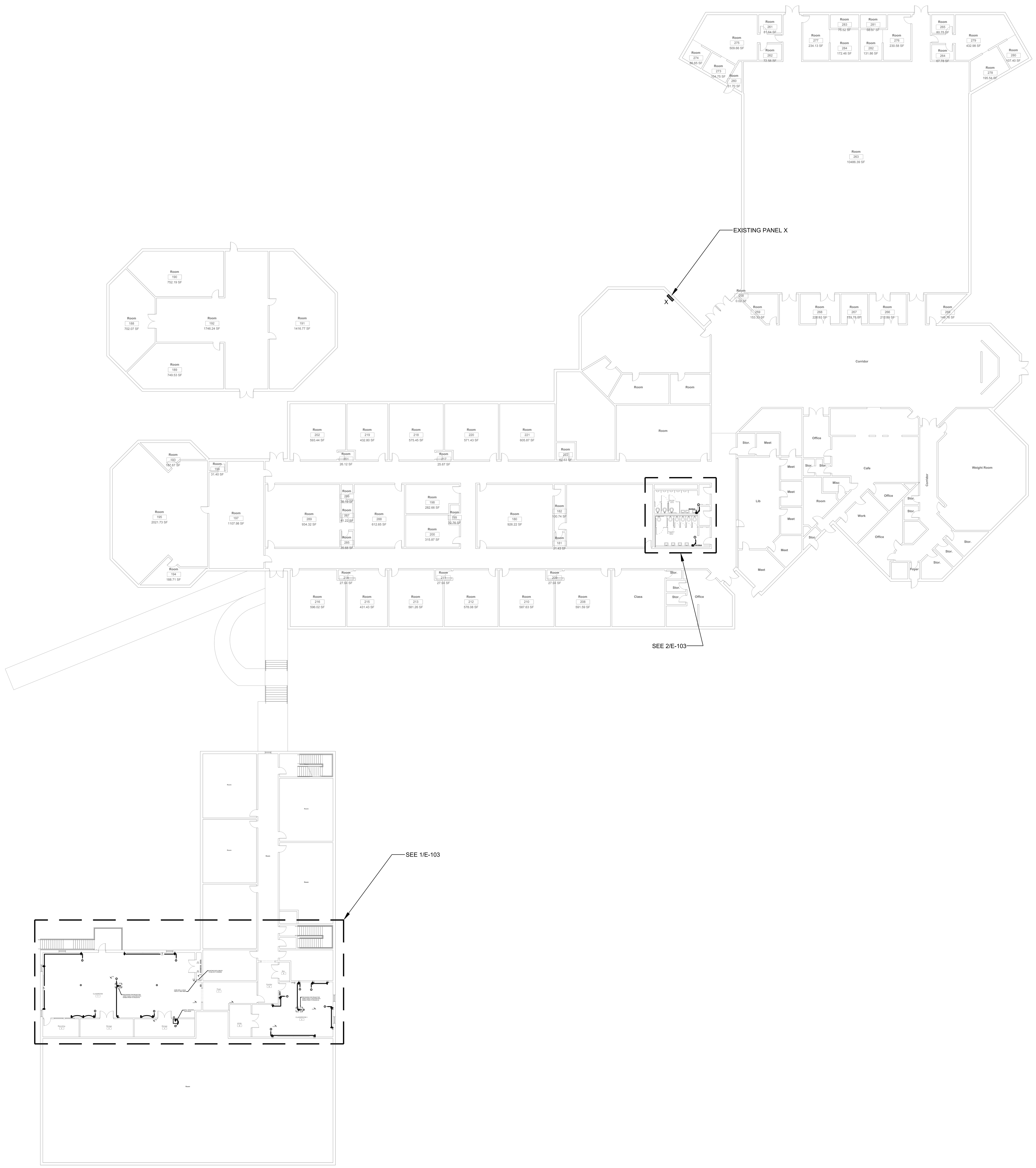

1
E-102
PONTOTOC HIGH SCHOOL OVERALL RENOVATION POWER/AUXILIARY PLAN
Scale: 1" = 20'- 0"

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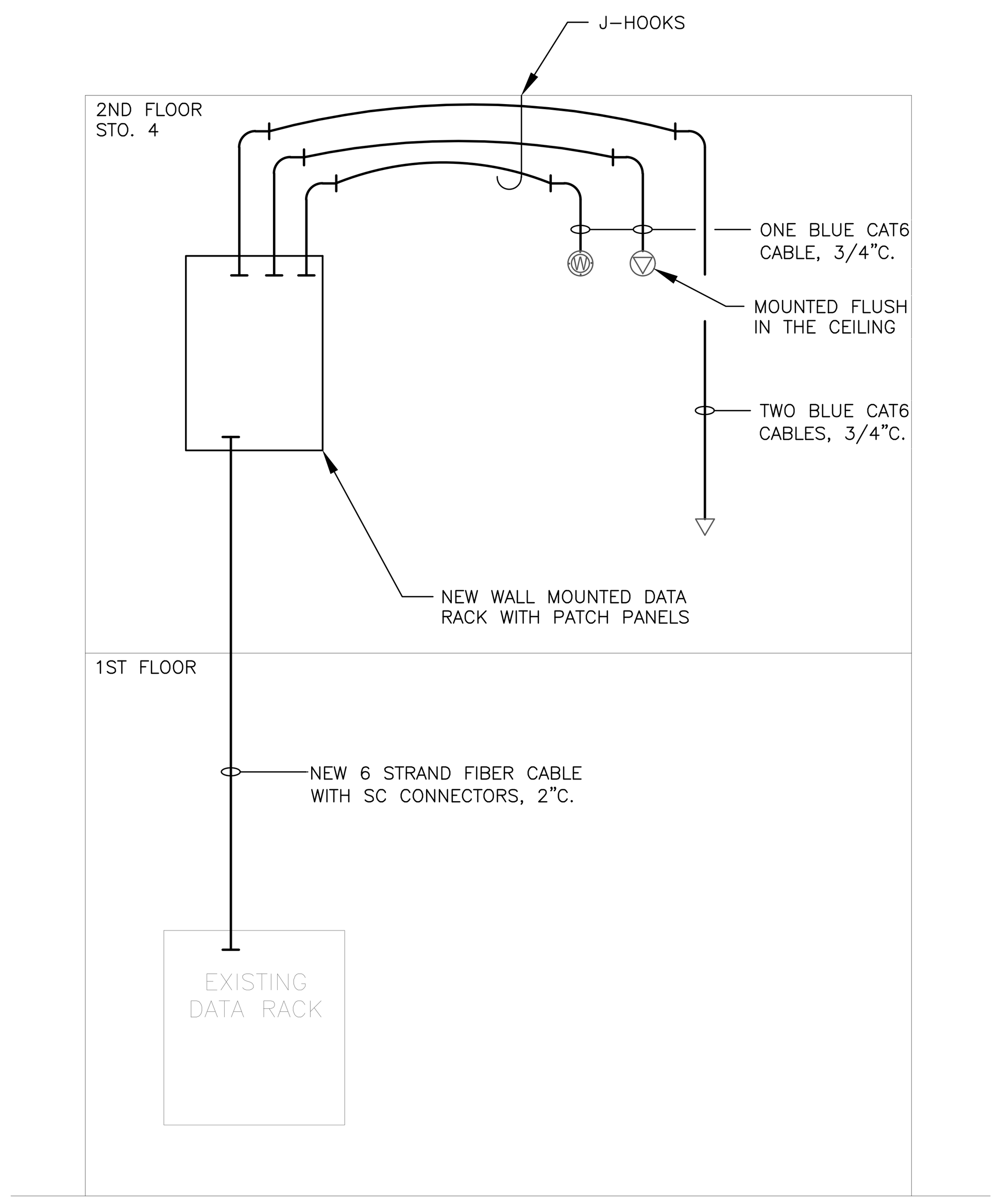
KEYED NOTES

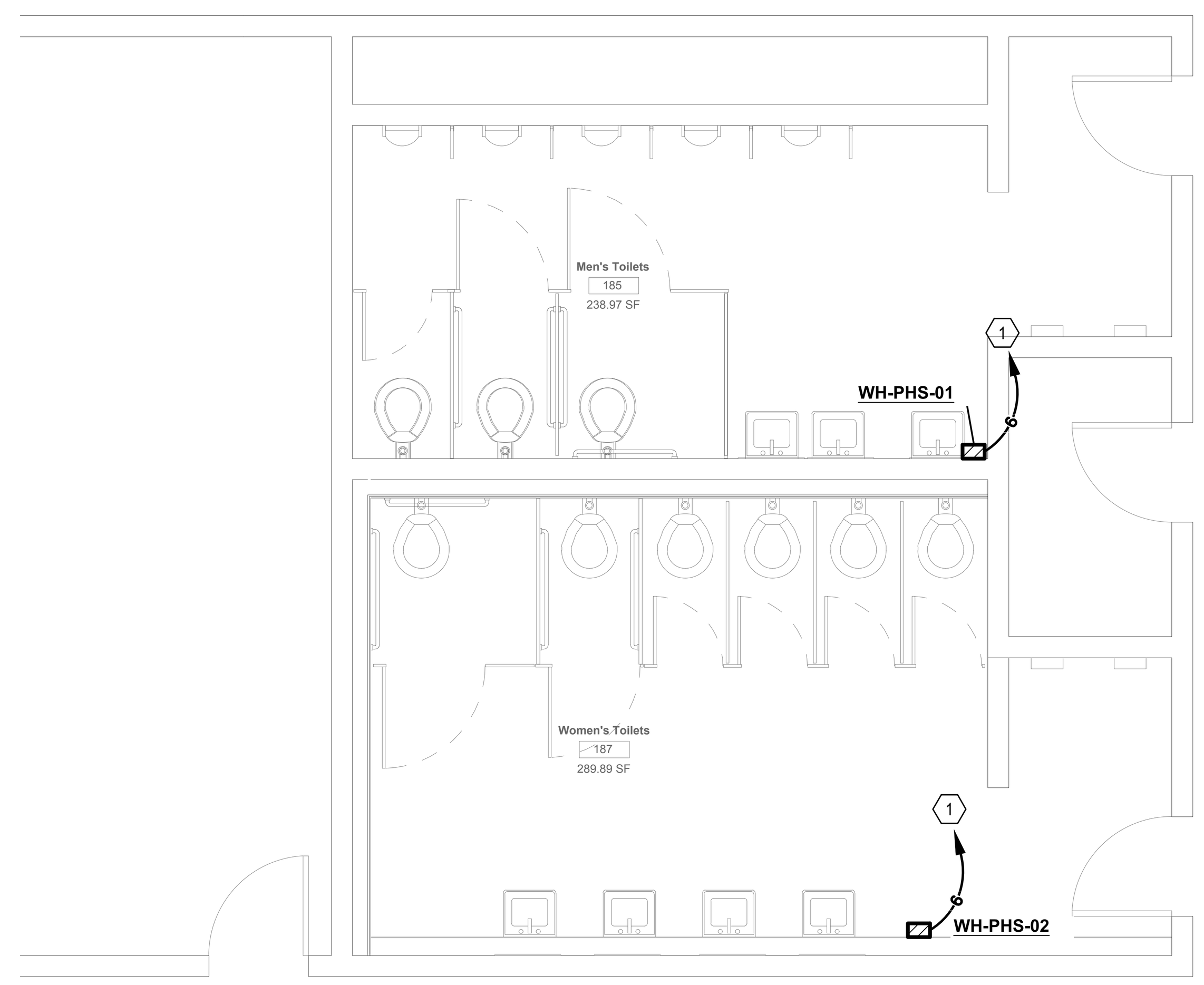
Mark	Description
1	PROVIDE A 50/2 BREAKER IN PANEL "X".
2	PROVIDE A 20/1 BREAKER IN PANEL L2.
2	PROVIDE A 20/1 BREAKER IN PANEL M2.

GENERAL NOTES

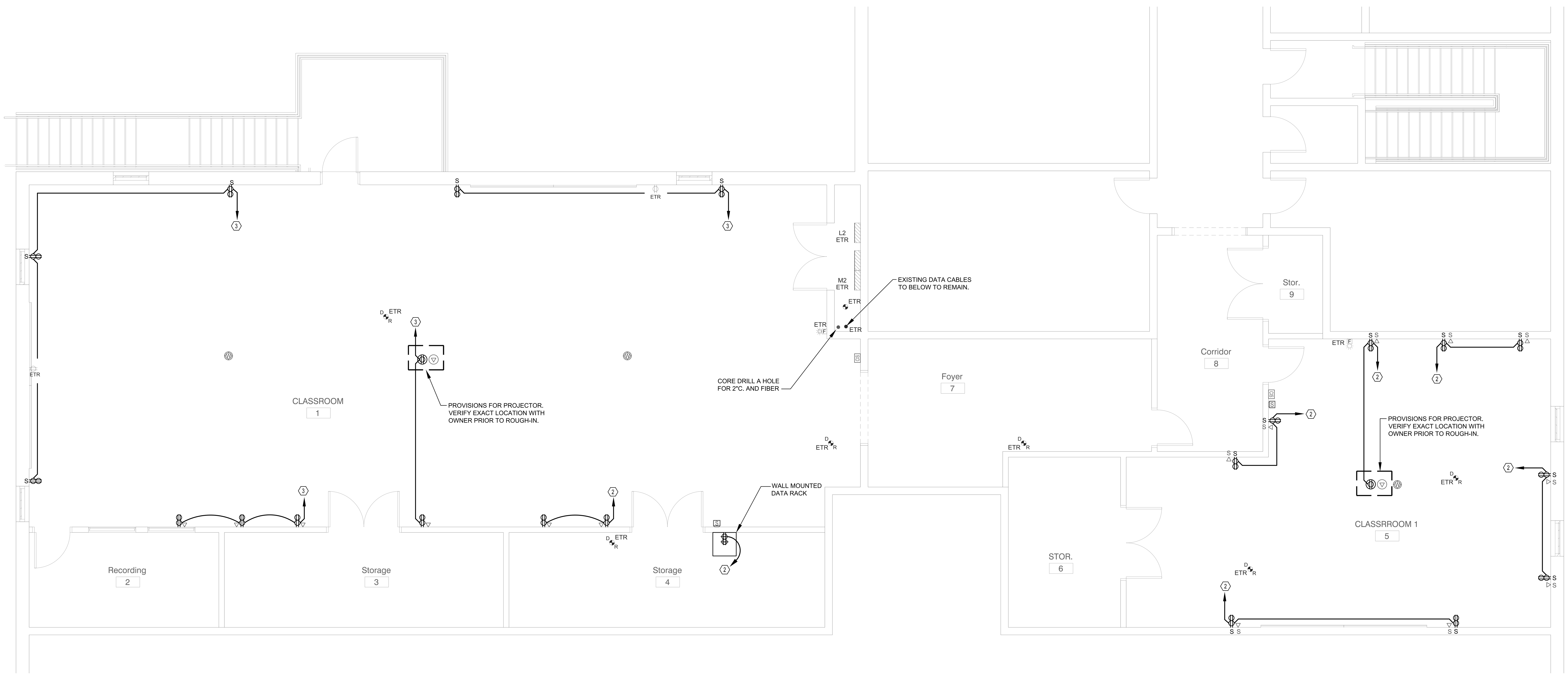
Mark	Description
1.	ELECTRICAL CONTRACTOR SHALL USE WIREMOLD 700 SERIES WHERE SURFACE MOUNTED CONDUITS ARE SHOWN.
2.	FIXTURES C, CE, D, AND DE SHALL DE SUSPENDED WITH THE BOTTOM OF THE DUCT WORK.



3 E-103 PONTOTOC HIGH SCHOOL COMMUNICATION RISER DIAGRAM
Scale: NONE



2 E-103 PONTOTOC HIGH SCHOOL PARTIAL RENOVATION PLUMBING PLAN - TOLIETS
Scale: 1/4" = 1'- 0"



1 E-103 PONTOTOC HIGH SCHOOL PARTIAL RENOVATION POWER/AUXILAIRY PLAN - BAND UNFINISHED SPACE
Scale: 1/4" = 1'- 0"

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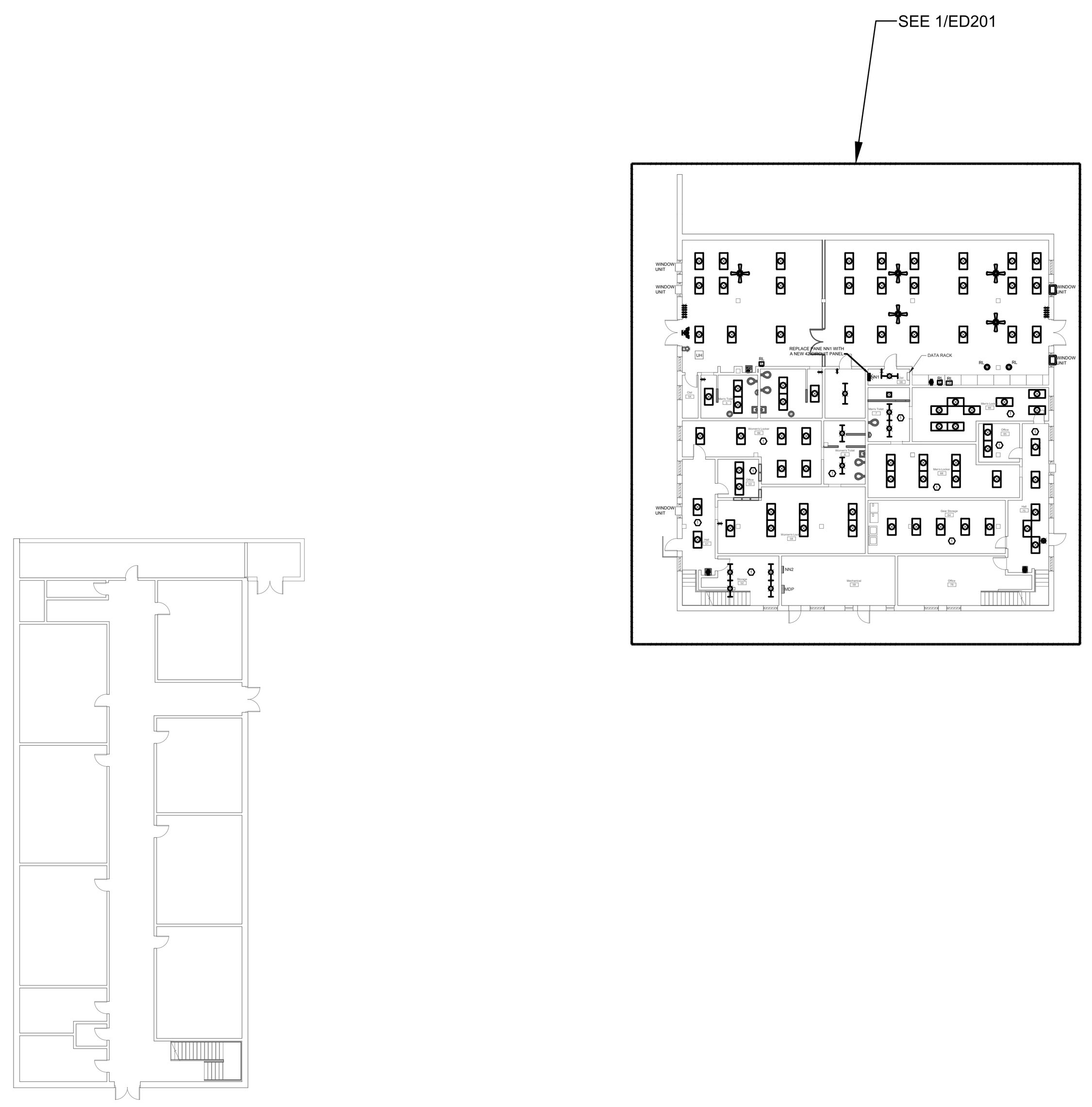
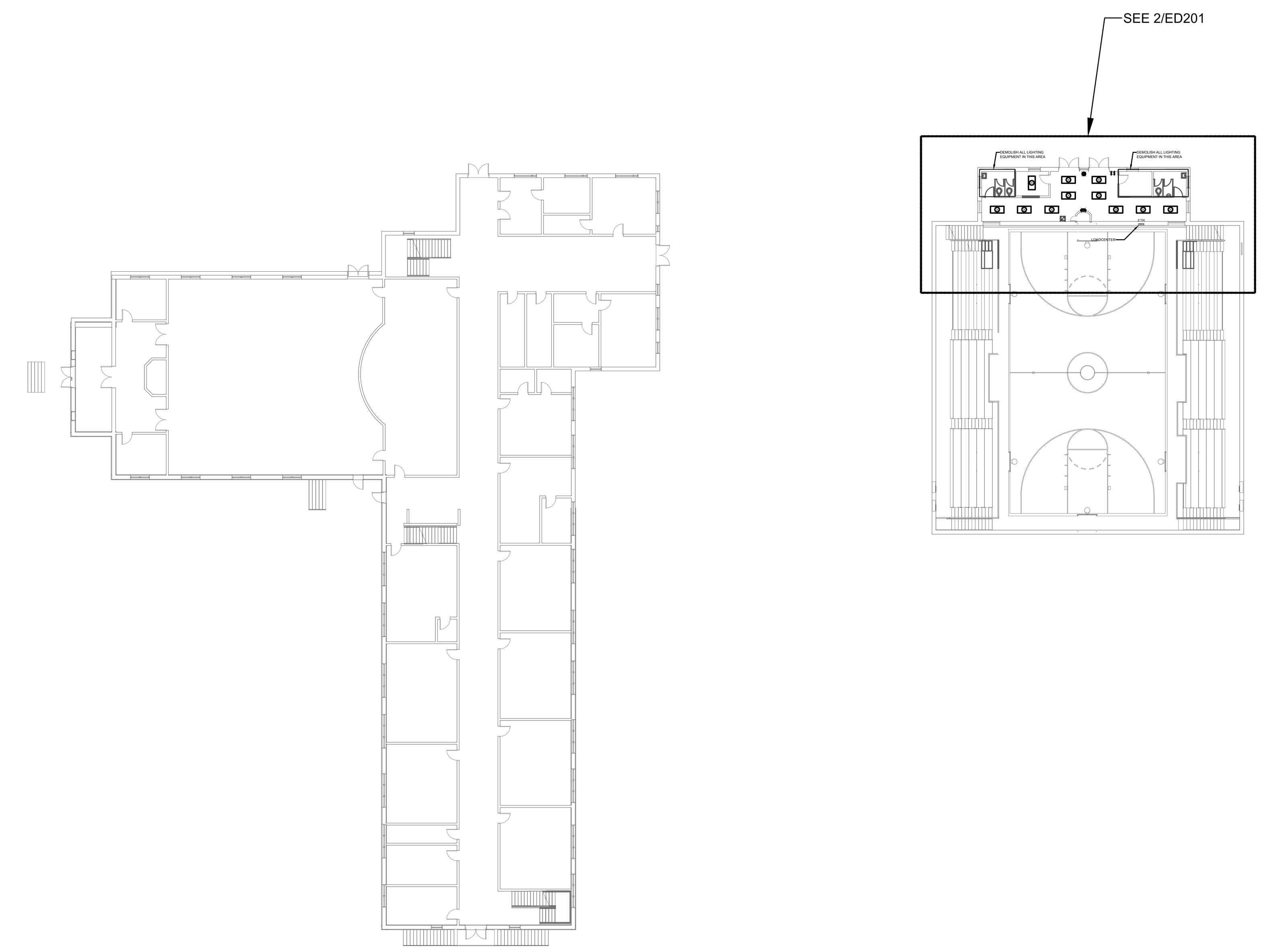
PONTOTOC HIGH SCHOOL PARTIAL RENOVATION PLANS



PONTOTOC JR HIGH OVERALL DEMOLITION PLAN - LOWER LEVEL
1 ED200
Scale: 1" = 30'- 0"



PONTOTOC JR HIGH OVERALL DEMOLITION PLAN - UPPER LEVEL
1 ED200
Scale: 1" = 30'- 0"

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PONTOTOC JUNIOR HIGH OVERALL DEMOLITION PLANS

PONTOTOC JR HIGH
MASTER KEYED NOTES

Mark	Description
1	DEMOLISH EXISTING LIGHTING CONTROLS IN THIS AREA.
2	CONNECT TO EXISTING LIGHTING CIRCUITRY IN THIS AREA.
3	CONNECT TO DEMOLISHED DRINKING FOUNTAIN CIRCUITRY.
4	PROVIDE A 20/1 BREAKER IN PANEL"LA".
5	PROVIDE A 50/2 BREAKER IN PANEL "MDP".

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.

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. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING ELECTRICAL RACEWAYS, CIRCUITRY, AND EQUIPMENT IN THE AREA OF WORK BE DEMOLISHED UNLESS OTHERWISE NOTED OR UNLESS FEEDING EXISTING EQUIPMENT TO REMAIN. 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.
5. ALL EXISTING LIGHT FIXTURES IN HATCHED AREA SHALL BE EXISTING TO REMAIN (ETR) UNLESS OTHERWISE NOTED. EXISTING CIRCUITRY SHALL REMAIN AND MODIFIED TO ACCOMMODATE OCCUPANCY SENSORS AND AUTOMATIC WALL SWITCHES AS SHOWN ON THE RENOVATION PLAN. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL WIRING AND CONDUIT REQUIRED TO ADD NEW DEVICES WHETHER EXPLICITLY SHOWN OR NOT.

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.

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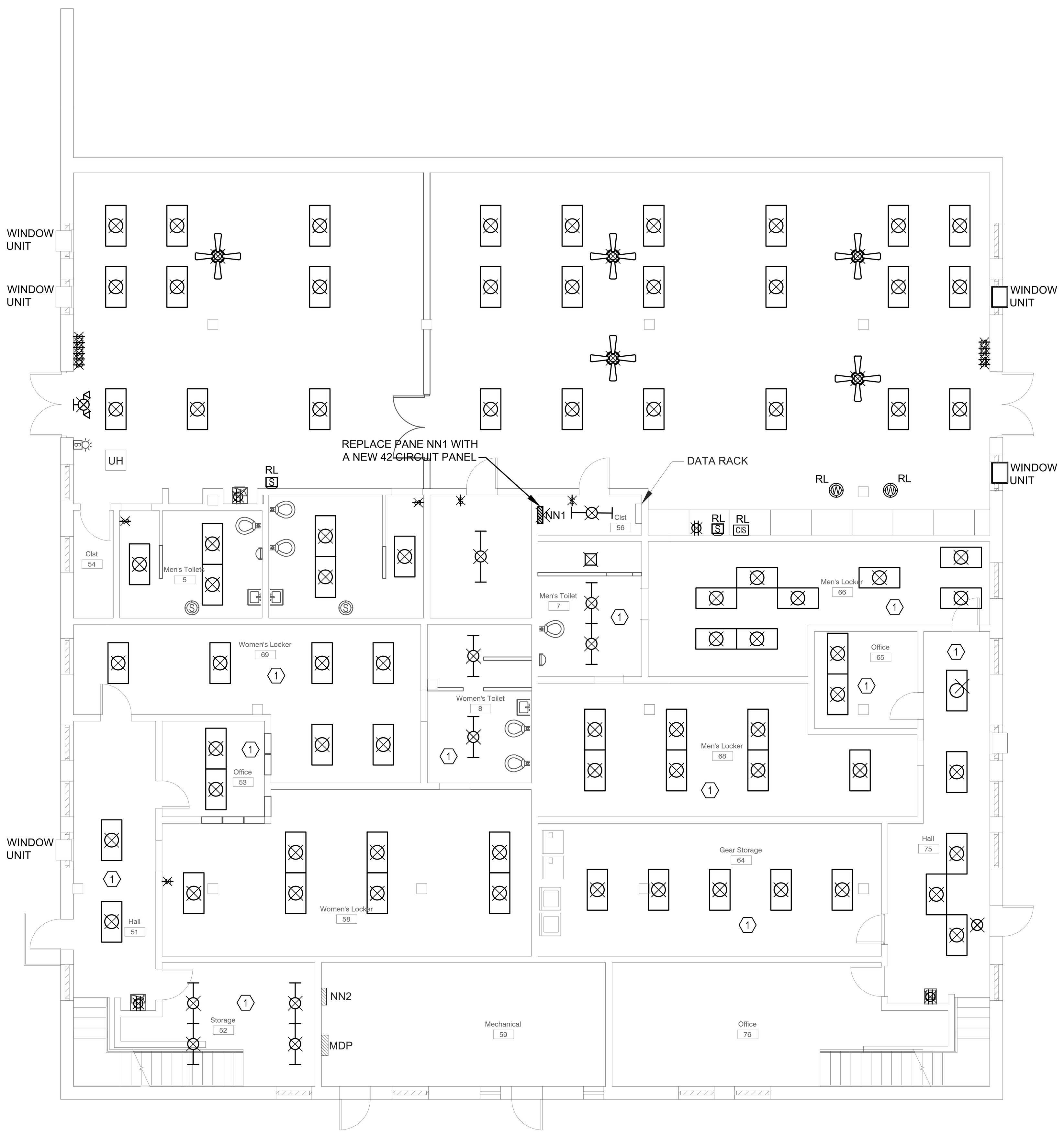
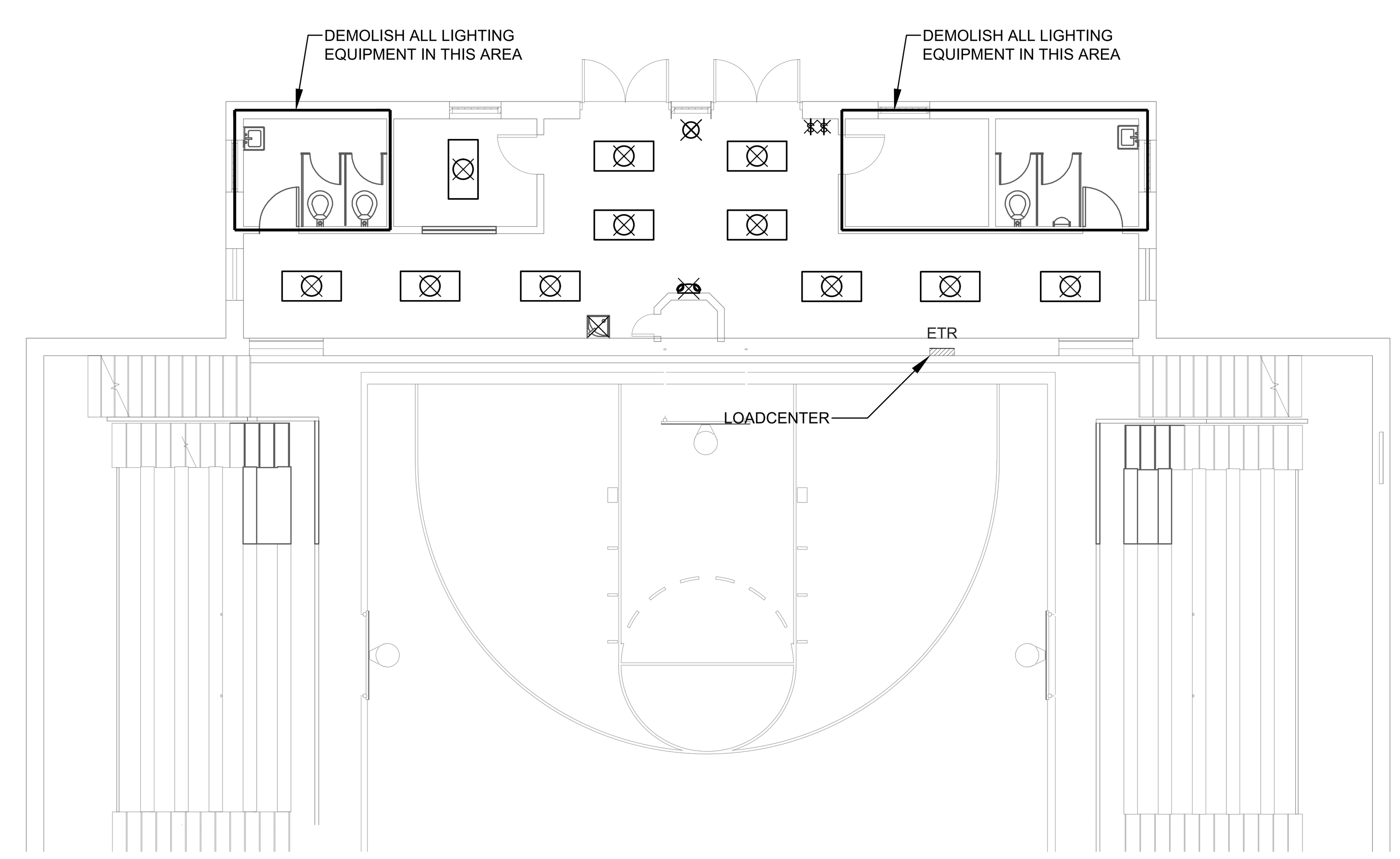


1 ED201 PONTOTOC JR HIGH PARTIAL DEMOLITION PLAN - LOWER LEVEL
Scale: 1/8" = 1'- 0"



1 ED201 PONTOTOC JR HIGH PARTIAL DEMOLITION PLAN - UPPER LEVEL
Scale: 1/8" = 1'- 0"

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Construction Documents

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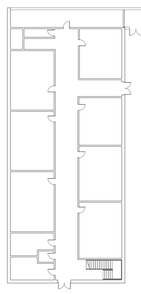
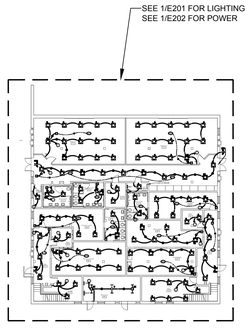
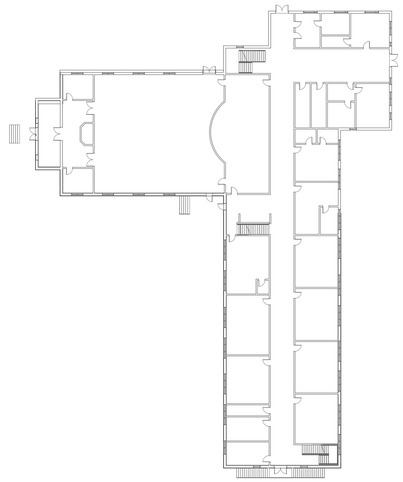
Date	11/10/2021
Revisions	Rev Date

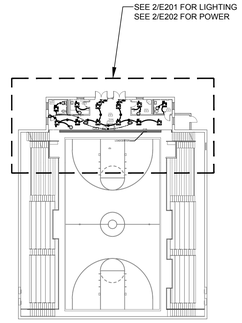
ED201
PONTOTOC JUNIOR HIGH PARTIAL DEMOLITION PLAN





1 E200 PONTOTOC JR HIGH OVERALL RENOVATION PLAN - LOWER LEVEL
Scale: 1" = 30'- 0"





1 E200 PONTOTOC JR HIGH OVERALL RENOVATION PLAN - UPPER LEVEL
Scale: 1" = 30'- 0"

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PONTOTOC JUNIOR HIGH OVERALL RENOVATION PLAN

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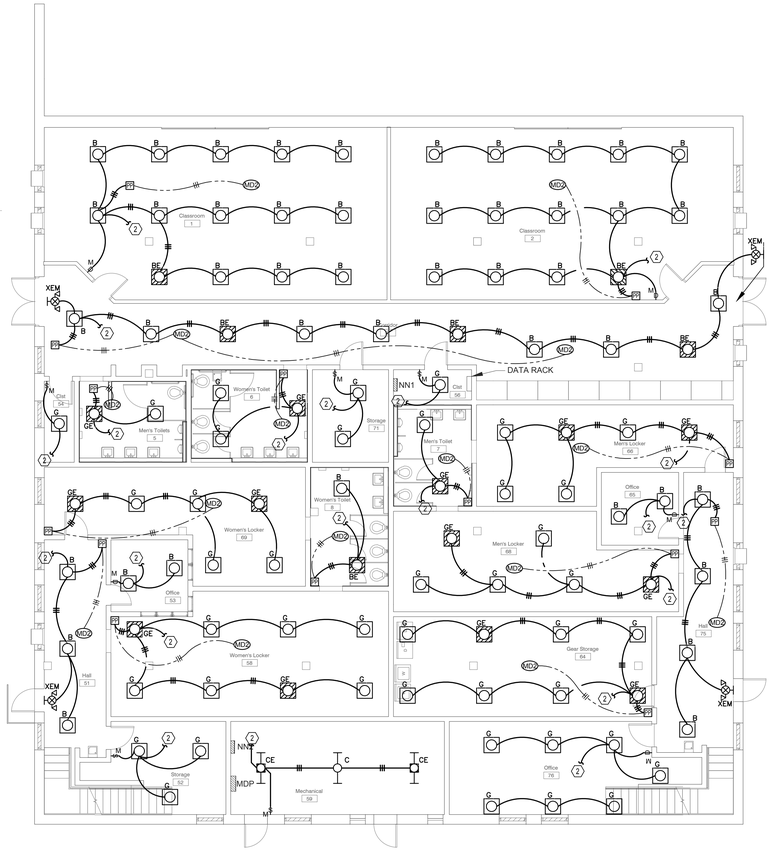
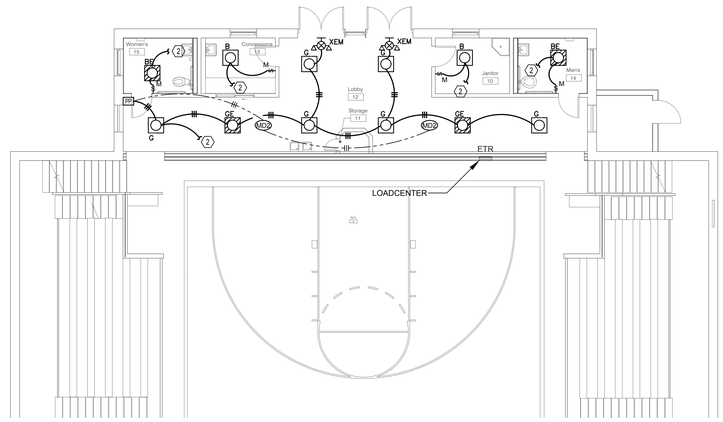
PONTOTOC JR HIGH
MASTER KEYED NOTES

Mark	Description
1	DEMOLISH EXISTING LIGHTING CONTROLS IN THIS AREA.
2	CONNECT TO EXISTING LIGHTING CIRCUITRY IN THIS AREA.
3	CONNECT TO DEMOLISHED DRINKING FOUNTAIN CIRCUITRY.
4	PROVIDE A 20/1 BREAKER IN PANEL"LA".
5	PROVIDE A 50/2 BREAKER IN PANEL "MDP".

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 / E201 PONTOTOC JR HIGH PARTIAL LIGHTING RENOVATION PLAN - LOWER LEVEL
Scale: 1/8" = 1'- 0"



1 / E201 PONTOTOC JR HIGH PARTIAL LIGHTING RENOVATION PLAN - UPPER LEVEL
Scale: 1/8" = 1'- 0"

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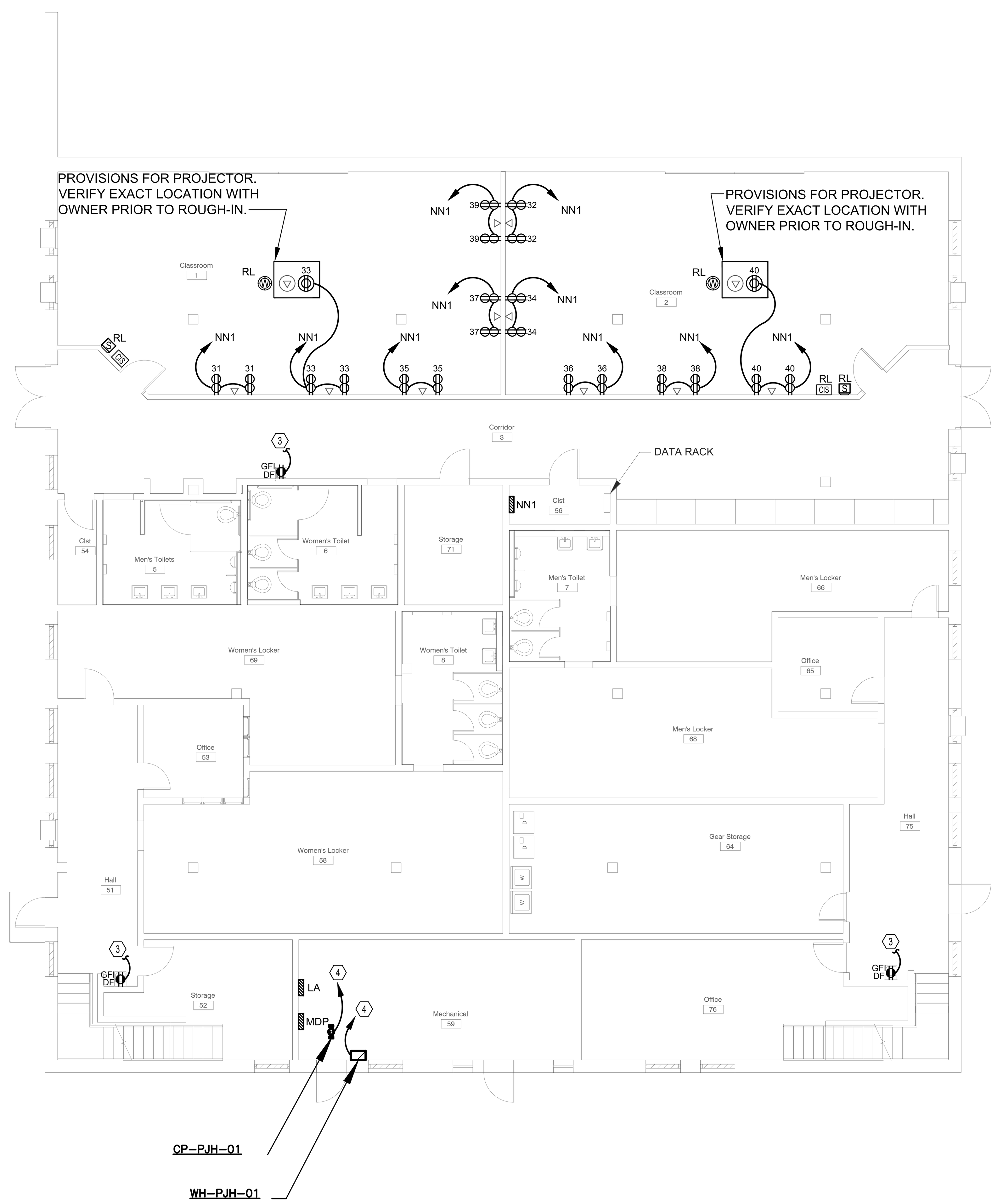
PONTOTOC JR HIGH
MASTER KEYED NOTES

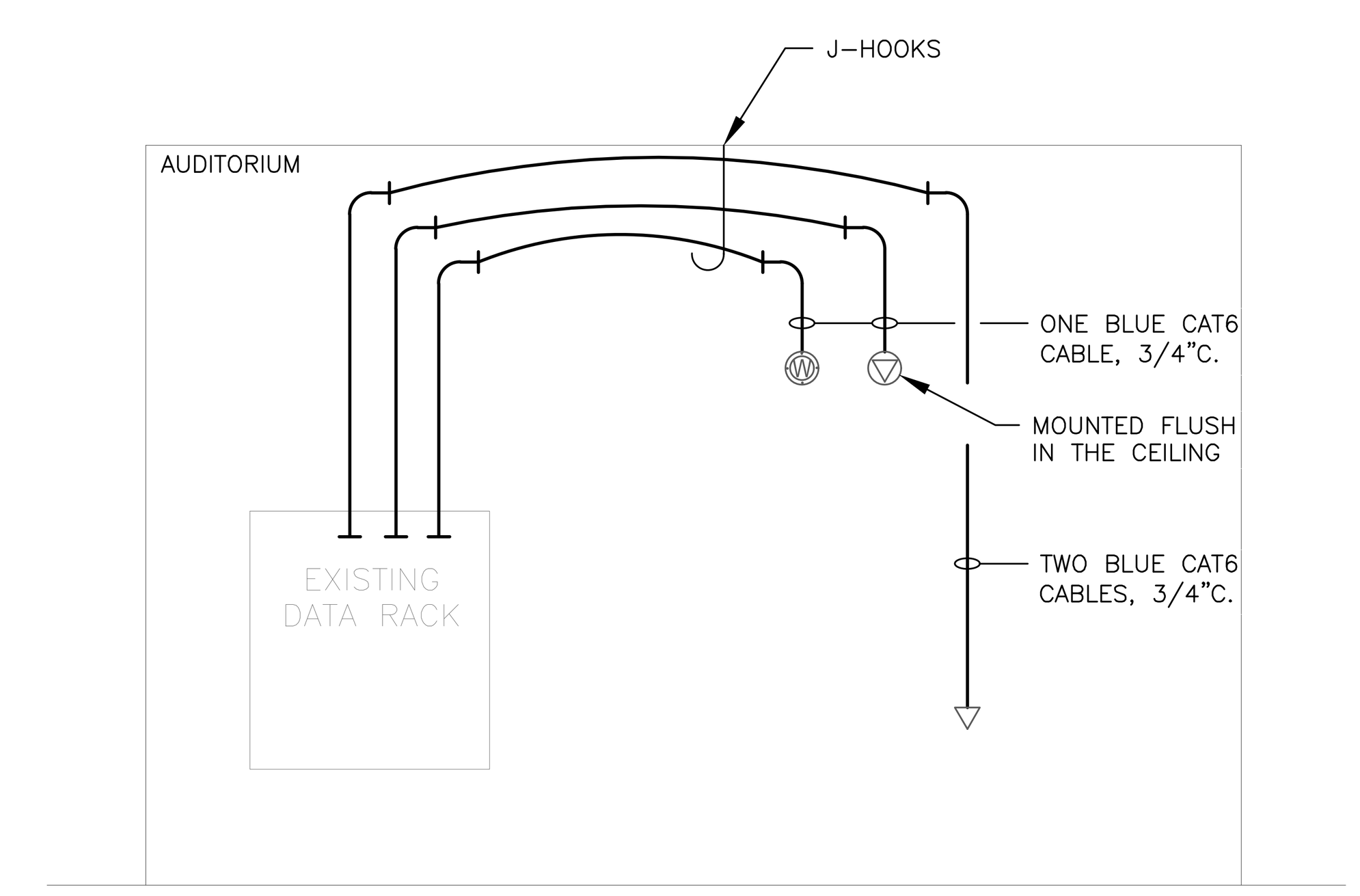
Mark	Description
1	DEMOLISH EXISTING LIGHTING CONTROLS IN THIS AREA.
2	CONNECT TO EXISTING LIGHTING CIRCUITRY IN THIS AREA.
3	CONNECT TO DEMOLISHED DRINKING FOUNTAIN CIRCUITRY.
4	PROVIDE A 20/1 BREAKER IN PANEL"LA".
5	PROVIDE A 50/2 BREAKER IN PANEL "MDP".

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.

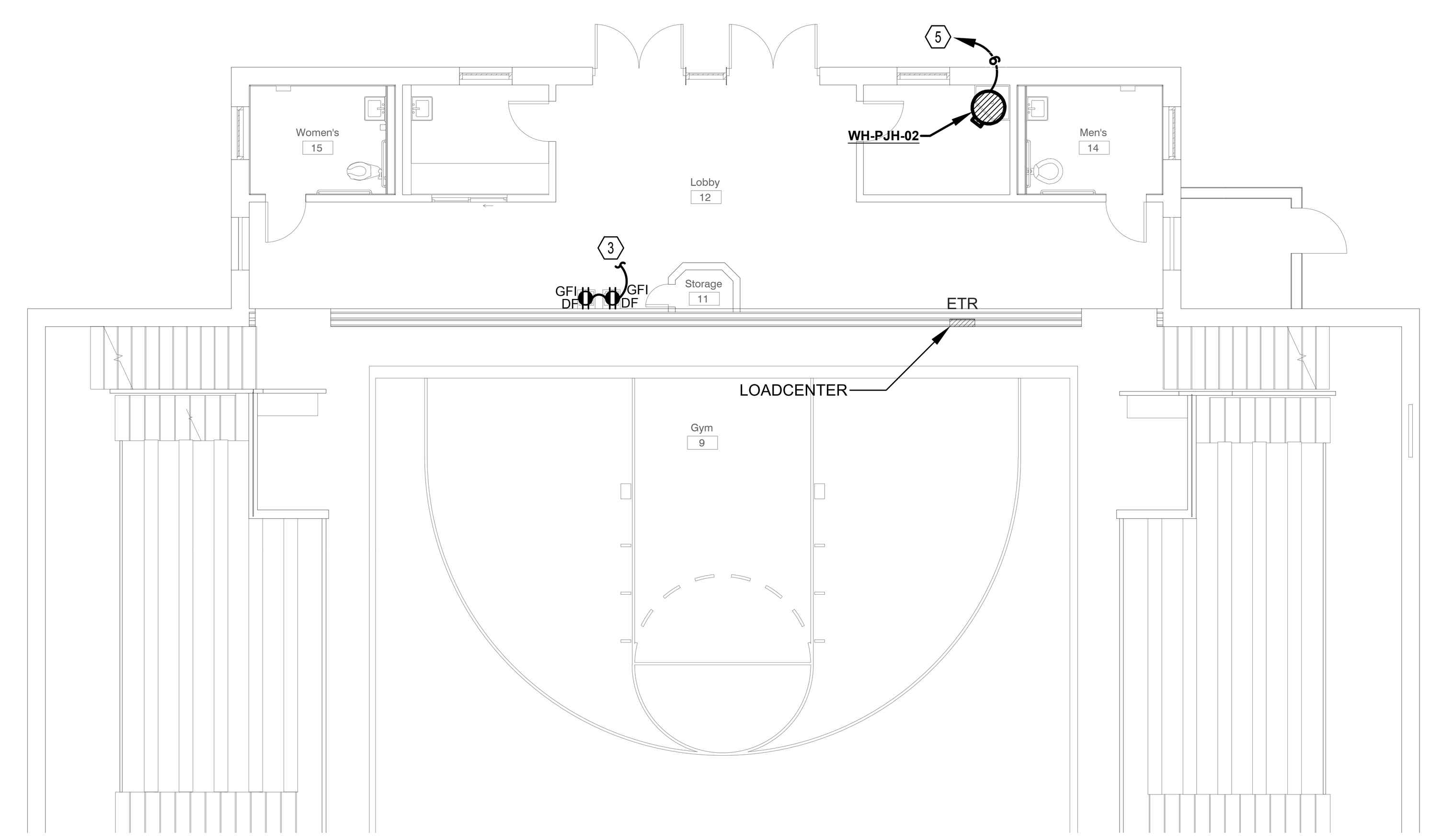
PANEL NN1	LOCATION: ELECTRICAL ROOM VOLT: 240/120V, 1Ø, 3W BUS: 225A			LUG LOCATION: BOTTOM FEED MAIN BUS: MAIN LUGS ONLY MOUNTING: SURFACE				PANELBOARD AIC RATING (A): 22,000				
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) L1		L2		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.	
1	20	1	EXISTING LOAD	0.0	0.0			EXSITNG LOAD	20	1	2	
3	20	1	EXISTING LOAD			0.0	0.0	EXSITNG LOAD	20	1	4	
5	20	1	EXISTING LOAD	0.0	0.0			EXSITNG LOAD	20	1	6	
7	20	1	EXISTING LOAD			0.0	0.0	EXSITNG LOAD	20	1	8	
9	20	1	EXISTING LOAD	0.0	0.0			EXSITNG LOAD	20	1	10	
11	20	1	EXISTING LOAD			0.0	0.0	EXSITNG LOAD	20	1	12	
13	20	1	EXISTING LOAD	0.0	0.0			EXSITNG LOAD	20	1	14	
15	20	1	EXISTING LOAD			0.0	0.0	EXSITNG LOAD	20	1	16	
17	20	1	EXISTING LOAD	0.0	0.0			EXSITNG LOAD	20	1	18	
19	20	1	EXISTING LOAD			0.0	0.0	EXSITNG LOAD	20	1	20	
21	20	1	EXISTING LOAD	0.0	0.0			EXSITNG LOAD	20	1	22	
23	20	1	EXISTING LOAD			0.0	0.0	EXSITNG LOAD	20	1	24	
25	20	1	EXISTING LOAD	0.0	0.0			EXSITNG LOAD	20	1	26	
27	20	1	EXISTING LOAD			0.0	0.0	EXSITNG LOAD	20	1	28	
29	20	1	EXISTING LOAD	0.0	0.0			EXSITNG LOAD	20	1	30	
31	20	1	REC. - (CLASSROOM 1)			0.7	0.7	REC. - (CLASSROOM 1)	20	1	32	
33	20	1	REC. - (CLASSROOM 1)	1.0	0.7			REC. - (CLASSROOM 1)	20	1	34	
35	20	1	REC. - (CLASSROOM 1)			0.7	0.7	REC. - (CLASSROOM 1)	20	1	36	
37	20	1	REC. - (CLASSROOM 1)	0.7	0.7			REC. - (CLASSROOM 1)	20	1	38	
39	20	1	REC. - (CLASSROOM 1)			0.7	1.0	REC. - (CLASSROOM 1)	20	1	40	
41	20	1	SPARE	0.0	0.0			SPARE	20	1	42	
TOTAL				3.2		4.6						



1 E202 PONTOTOC JR HIGH PARTIAL POWER RENOVATION PLAN - LOWER LEVEL
Scale: 1/8" = 1'- 0"



3 E202 PONTOTOC JR HIGH COMMUNICATION RISER DIAGRAM
Scale: NONE



2 E202 PONTOTOC JR HIGH PARTIAL POWER RENOVATION PLAN - UPPER LEVEL
Scale: 1/8" = 1'- 0"

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E202
PONTOTOC JUNIOR HIGH OVERALL RENOVATION PLAN

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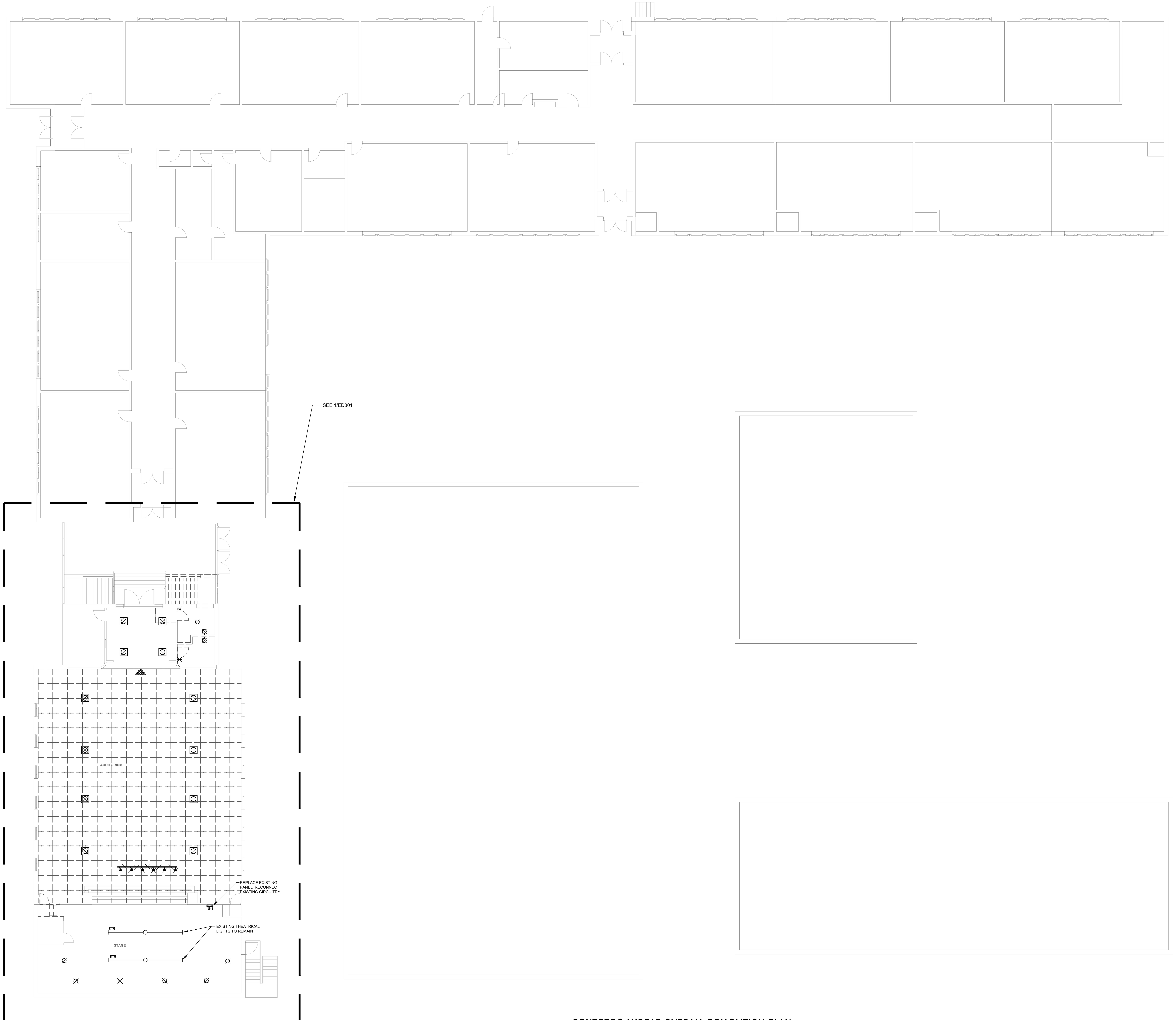

1 ED300 PONTOTOC MIDDLE OVERALL DEMOLITION PLAN
Scale: 1" = 10'- 0"

THE POWER SOURCE
305 Highway 51
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Pontotoc City Schools

PCS Middle School: 135 Education Drive, Pontotoc, MS 38863

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PONTOTOC MIDDLE SCHOOL OVERALL DEMOLITION PLAN

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DEMOLITION NOTES

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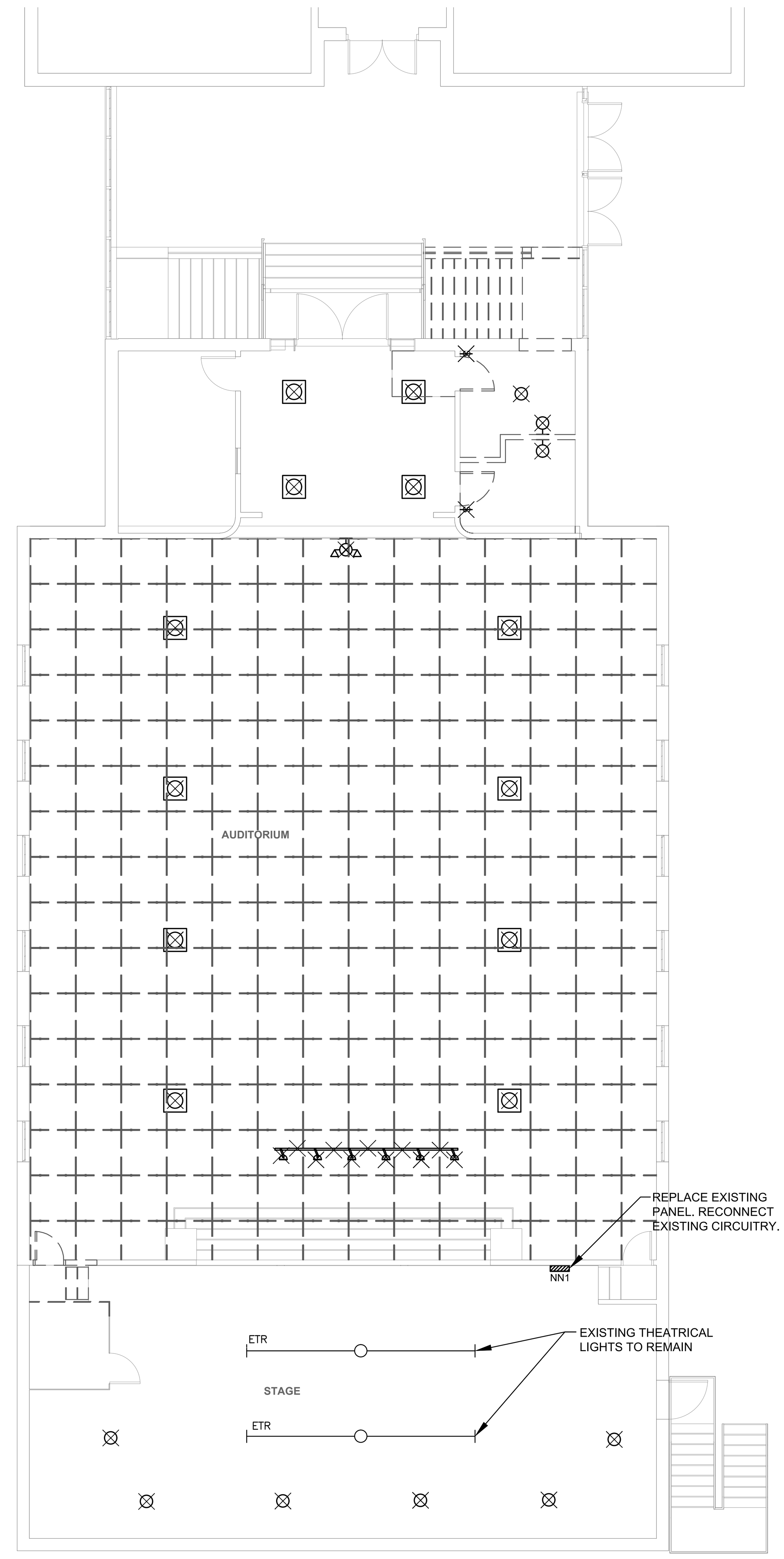
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED 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.
5. ALL EXISTING LIGHT FIXTURES IN HATCHED AREA SHALL BE EXISTING TO REMAIN (ETR) UNLESS OTHERWISE NOTED. EXISTING CIRCUITRY SHALL REMAIN AND MODIFIED TO ACCOMMODATE OCCUPANCY SENSORS AND AUTOMATIC WALL SWITCHES AS SHOWN ON THE RENOVATION PLAN. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL WIRING AND CONDUIT REQUIRED TO ADD NEW DEVICES WHETHER EXPLICITLY SHOWN OR NOT.

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.



1 ED301 PONTOTOC MIDDLE PARTIAL DEMOLITION PLAN
Scale: 1/8" = 1'-0"

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PONTOTOC MIDDLE SCHOOL PARTIAL DEMOLITION PLAN

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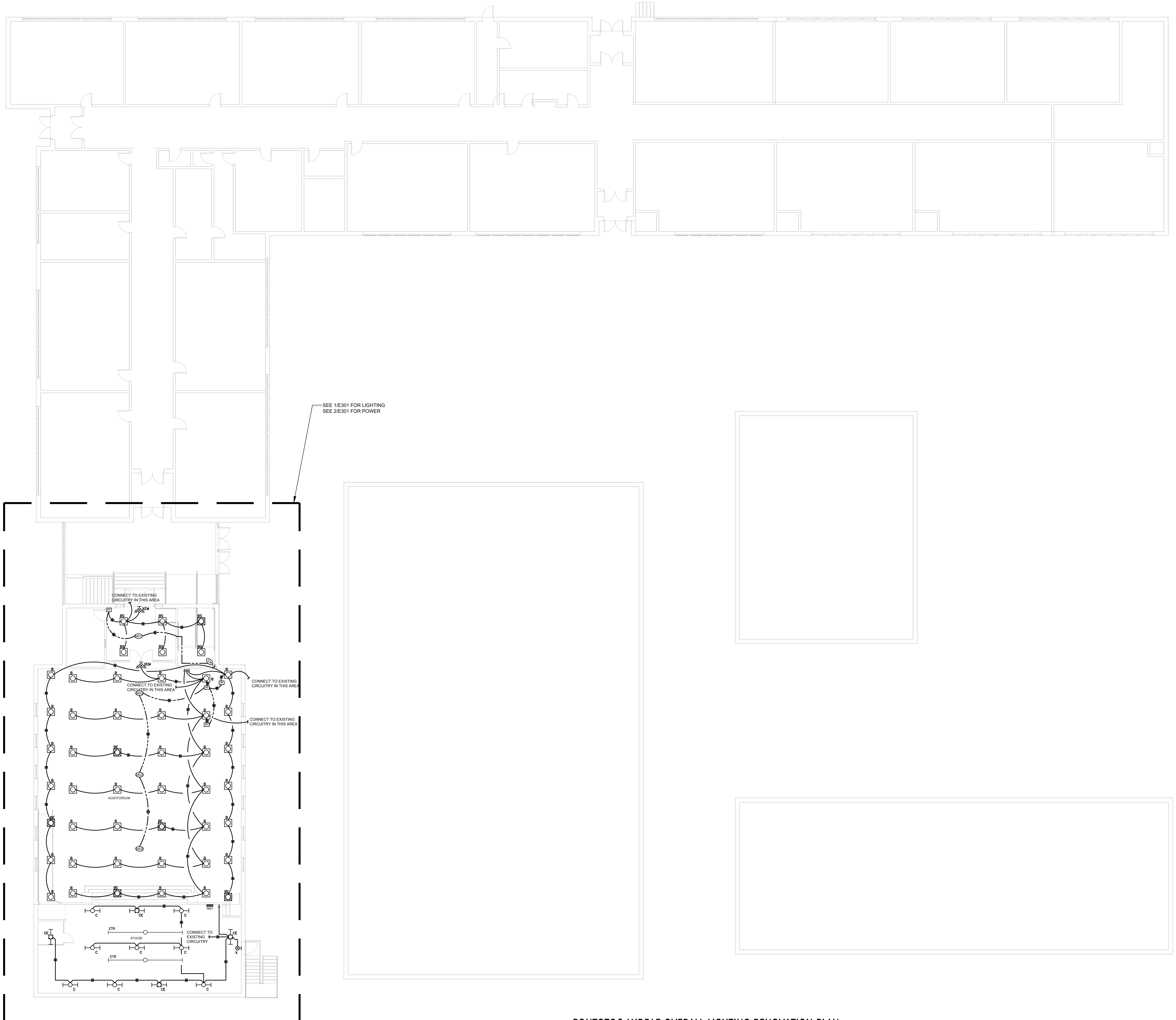

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E300
PONTOTOC MIDDLE OVERALL LIGHTING RENOVATION PLAN
Scale: 1" = 10'- 0"

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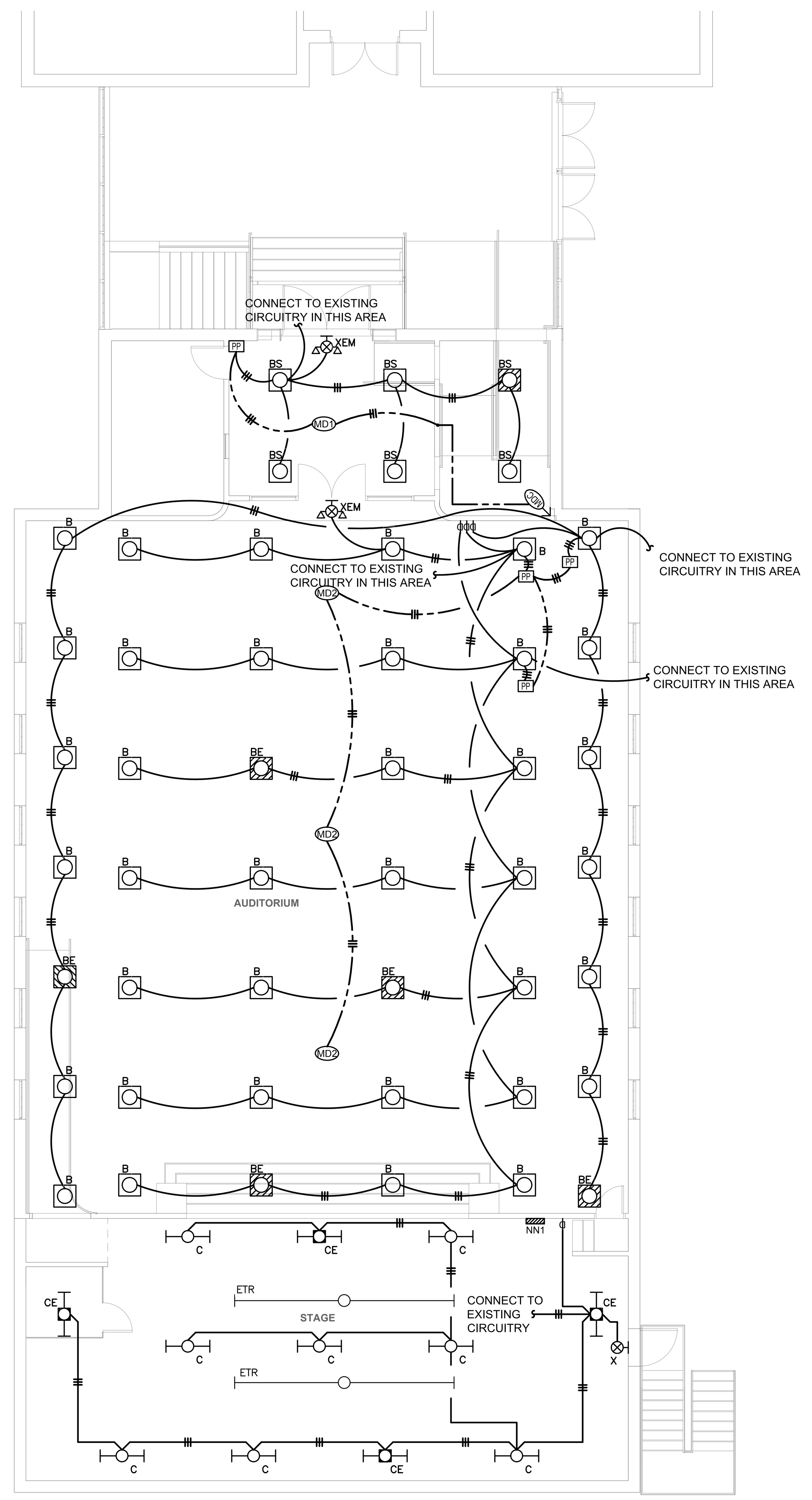
GENERAL NOTES

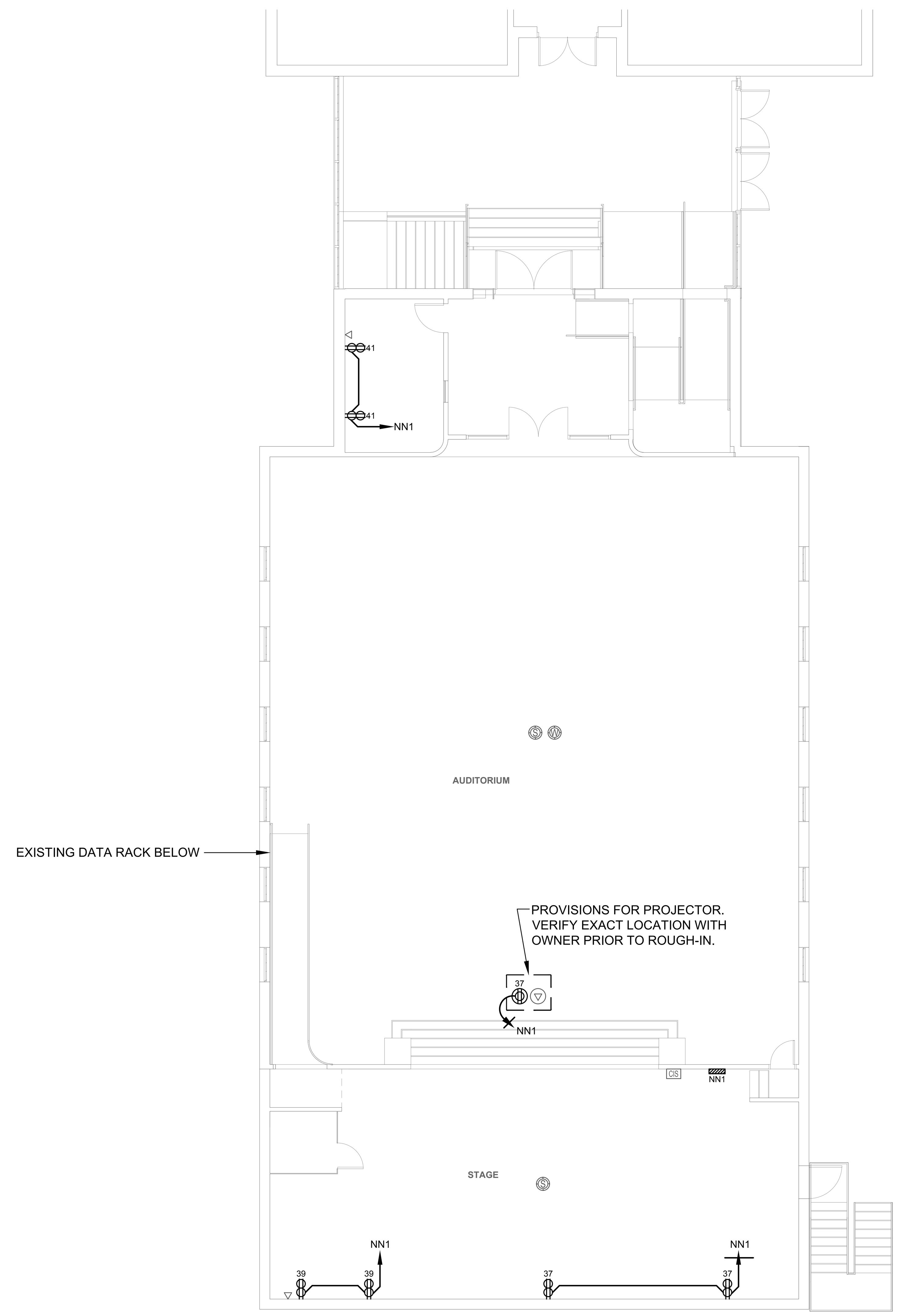
Mark	Description
1.	ELECTRICAL CONTRACTOR SHALL USE WIREMOLD 700 SERIES WHERE SURFACE MOUNTED CONDUITS ARE SHOWN.

PANEL NN1 — LOCATION: ELECTRICAL ROOM; VOLT: 208Y/120V, 3Ø, 4W; BUS: 225A; LUG LOCATION: BOTTOM FEED; MAIN BUS: MAIN LUGS ONLY; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 22,000

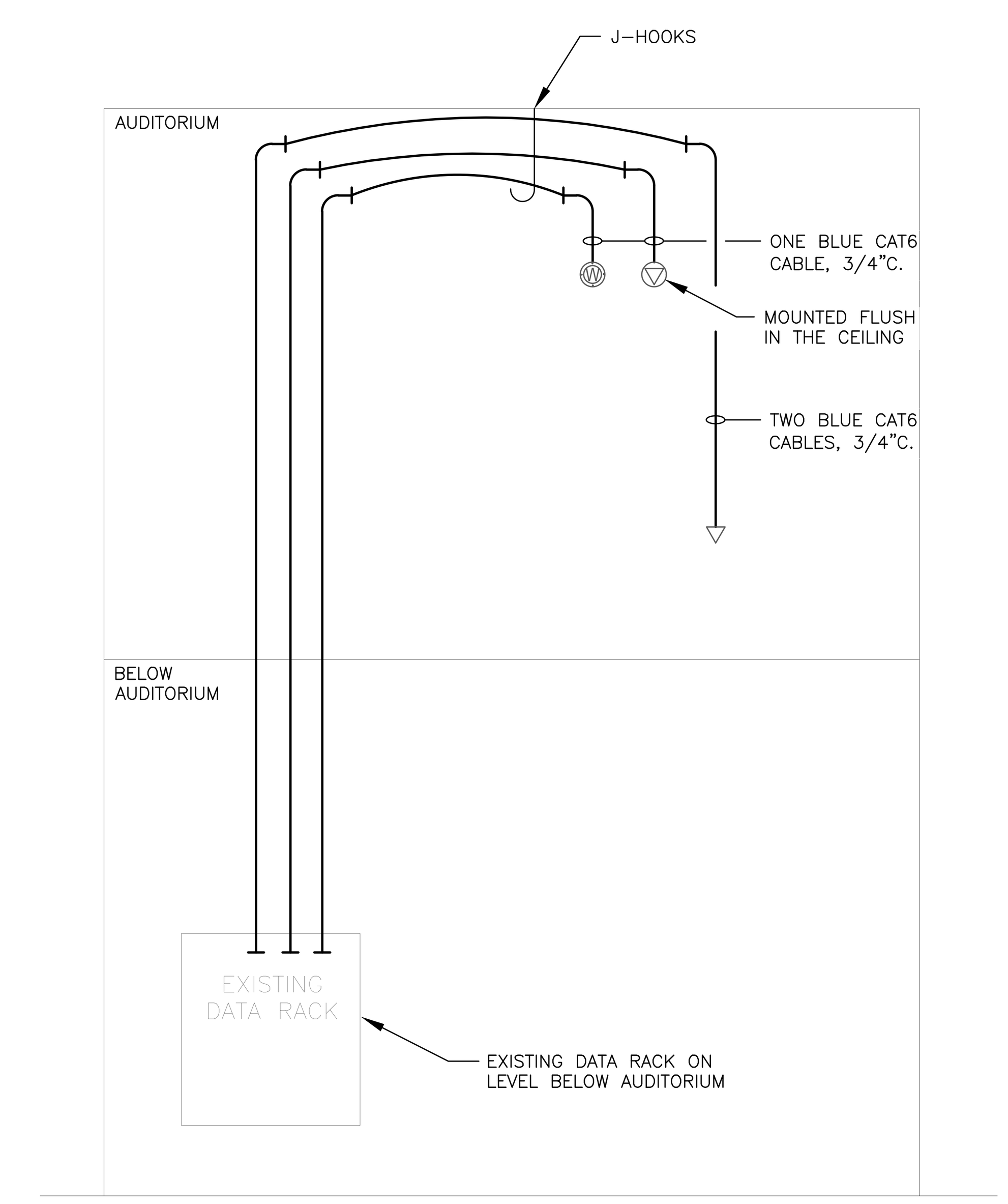
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	2
3	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	8
9	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	10
11	20	1	EXISTING LOAD					0.0	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	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	0.0	EXISTING LOAD	20	1	24
25	20	1	EXISTING LOAD	0.0	0.0					SPARE	20	1	26
27	20	1	SPARE			0.0	0.0			SPARE	20	1	28
29	20	1	SPARE					0.0	0.0	SPARE	20	1	30
31	15	3	EXISTING LOAD	0.0	0.0					EXISTING LOAD	100	3	32
33	-	-	-			0.0	0.0			-	-	-	34
35	-	-	-					0.0	0.0	-	-	-	36
37	20	1	REC. - (STAGE AND PROJECTOR)	1.0	0.0					SPARE	20	1	38
39	20	1	REC. - (STAGE - TEACHERS STATION)			0.7	0.0			SPARE	20	1	40
41	20	1	REC. - (OFFICE)					0.7	0.0	SPARE	20	1	42
43	20	1	SPARE	0.0	0.0					SPARE	20	1	44
45	20	1	SPARE			0.0	0.0			SPARE	20	1	46
47	20	1	SPARE					0.0	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				1.0		0.7		0.7					



1 E301 PONTOTOC MIDDLE PARTIAL LIGHTING RENOVATION PLAN
Scale: 1/8" = 1'- 0"



2 E301 PONTOTOC MIDDLE PARTIAL POWER/AUXILIARY RENOVATION PLAN
Scale: 1/8" = 1'- 0"



3 E301 PONTOTOC MIDDLE COMMUNICATION RISER DIAGRAM
Scale: NONE

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Construction Documents

Project No	21064
Date	11/10/2021
Revisions	Rev Date

E301
PONTOTOC MIDDLE SCHOOL PARTIAL RENOVATION PLAN