

Airline High Improvements

Sutton Mitchell Beebe &
Babin Architects, LLC

2801 Airline Drive, Bossier City, LA 71111

Bid Documents

BPSB Project No. CM1211A

Date:
April 9, 2014

SMBB Project Number:
1303.02

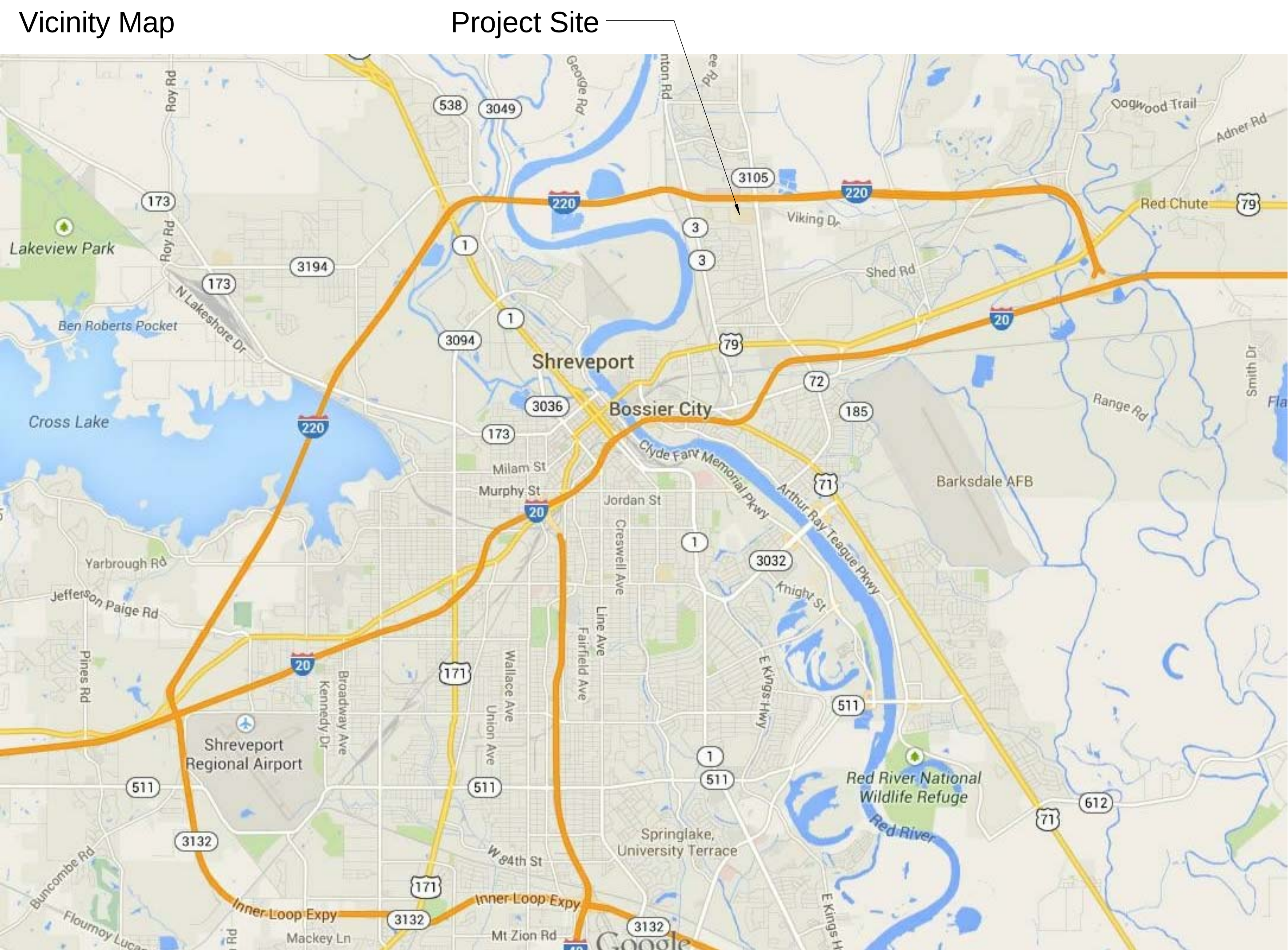
Mechanical/Electrical Engineer:
Purtle and Associates, L.C.

Structural Engineers:
Aillet, Fenner, Jolly & McClelland, Inc.

School Board Members

D.C. Machen, Jr. - Superintendent

- District 1 - Jack Raley
- District 2 - Brad L. Bockhaus, President
- District 3 - Frank Kelly
- District 4 - Tammy Smith
- District 5 - Michael S. Mosura II
- District 6 - Glenwood "Glen" Bullard, Vice-President
- District 7 - J.W. Slack
- District 8 - Kenneth M. Wiggins
- District 9 - Eddy Ray Presley
- District 10 - Samm Darby
- District 11 - Barbara Rudd
- District 12 - Kay Padgett Byrd



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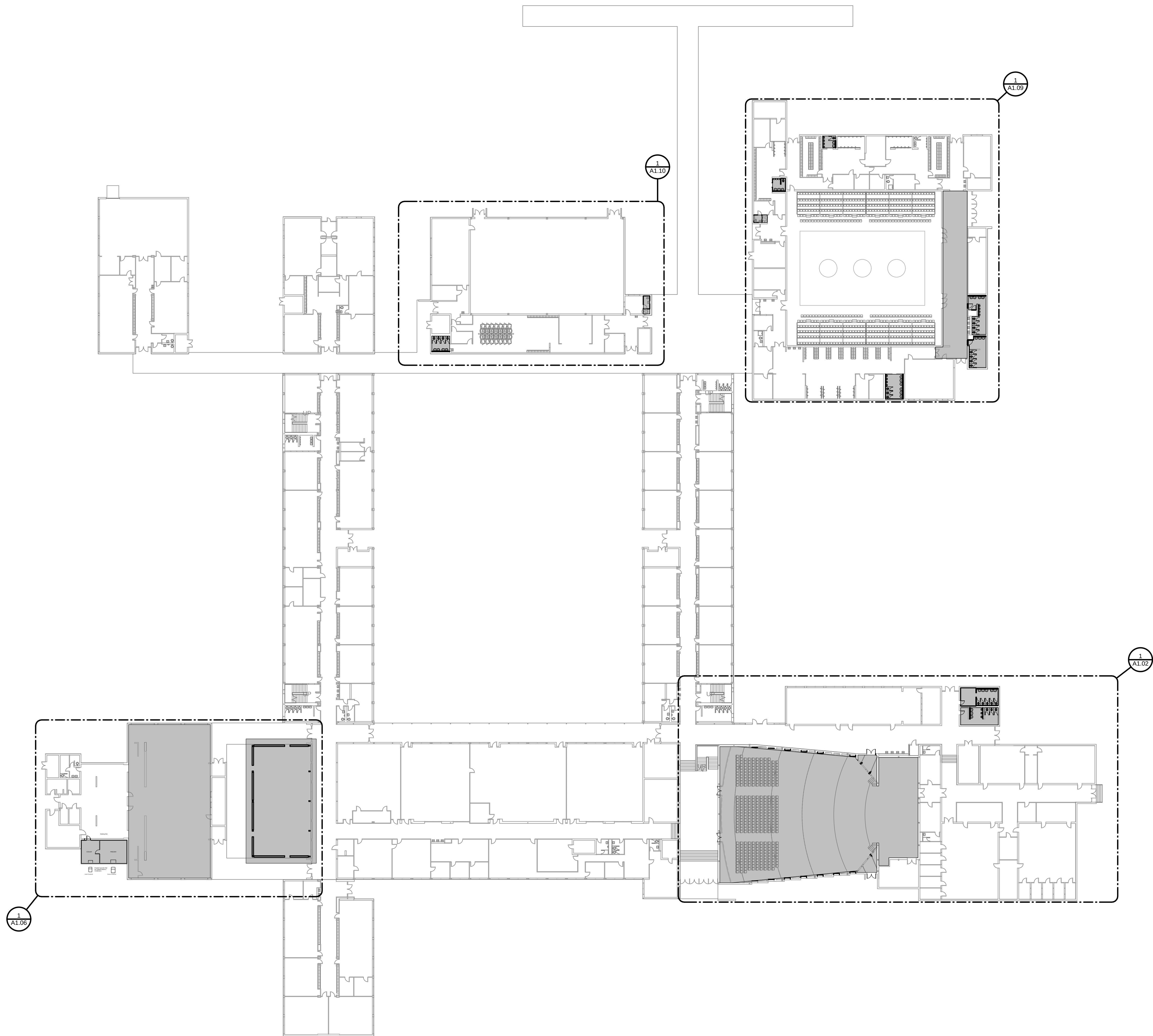
April 9, 2014

Sheet Title

Campus Plan

Sheet No.

A1.01

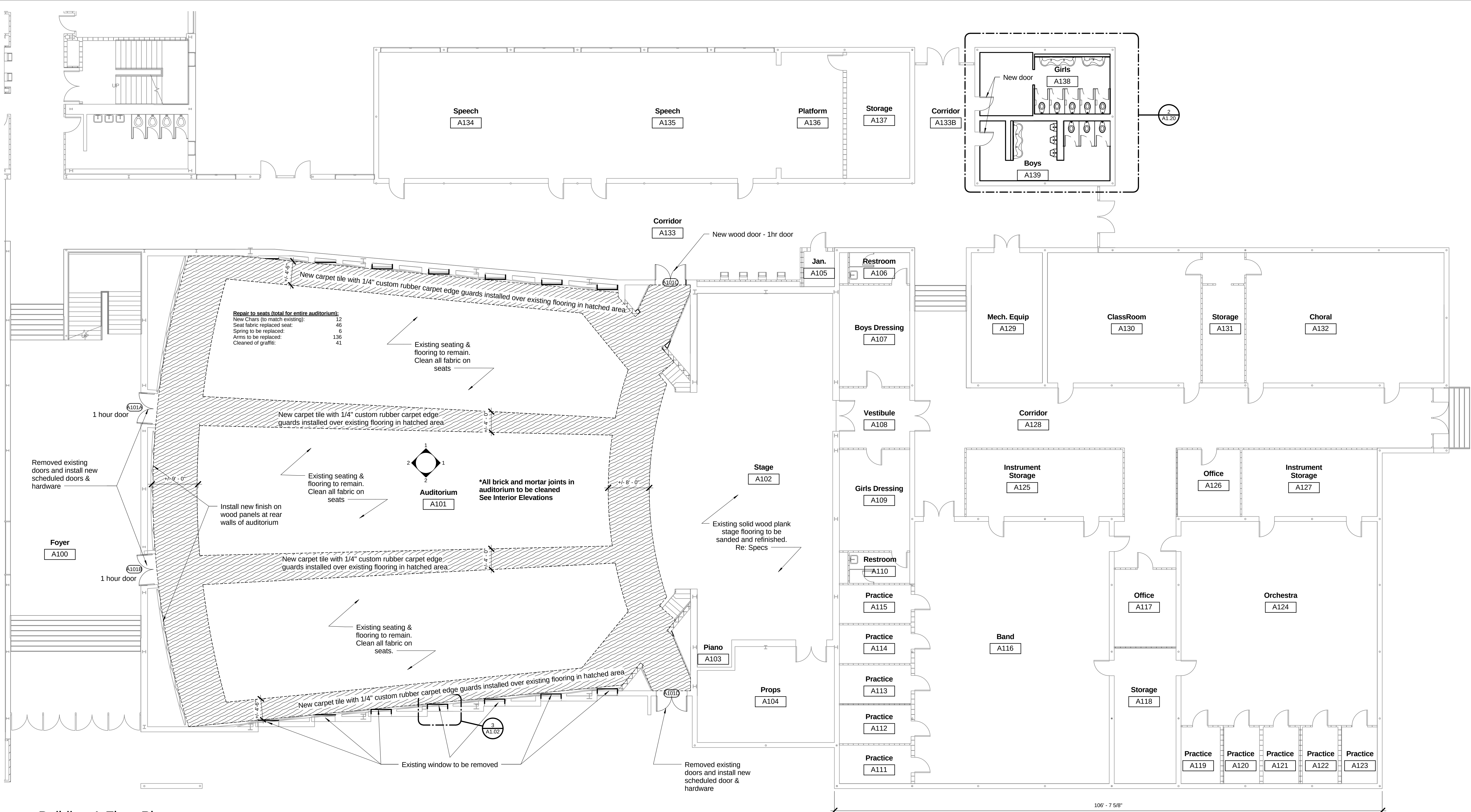


1 Campus Plan

32'



Areas of work confined to areas outlined. Within each area, shaded areas are focus of refurbishment and upgrades.

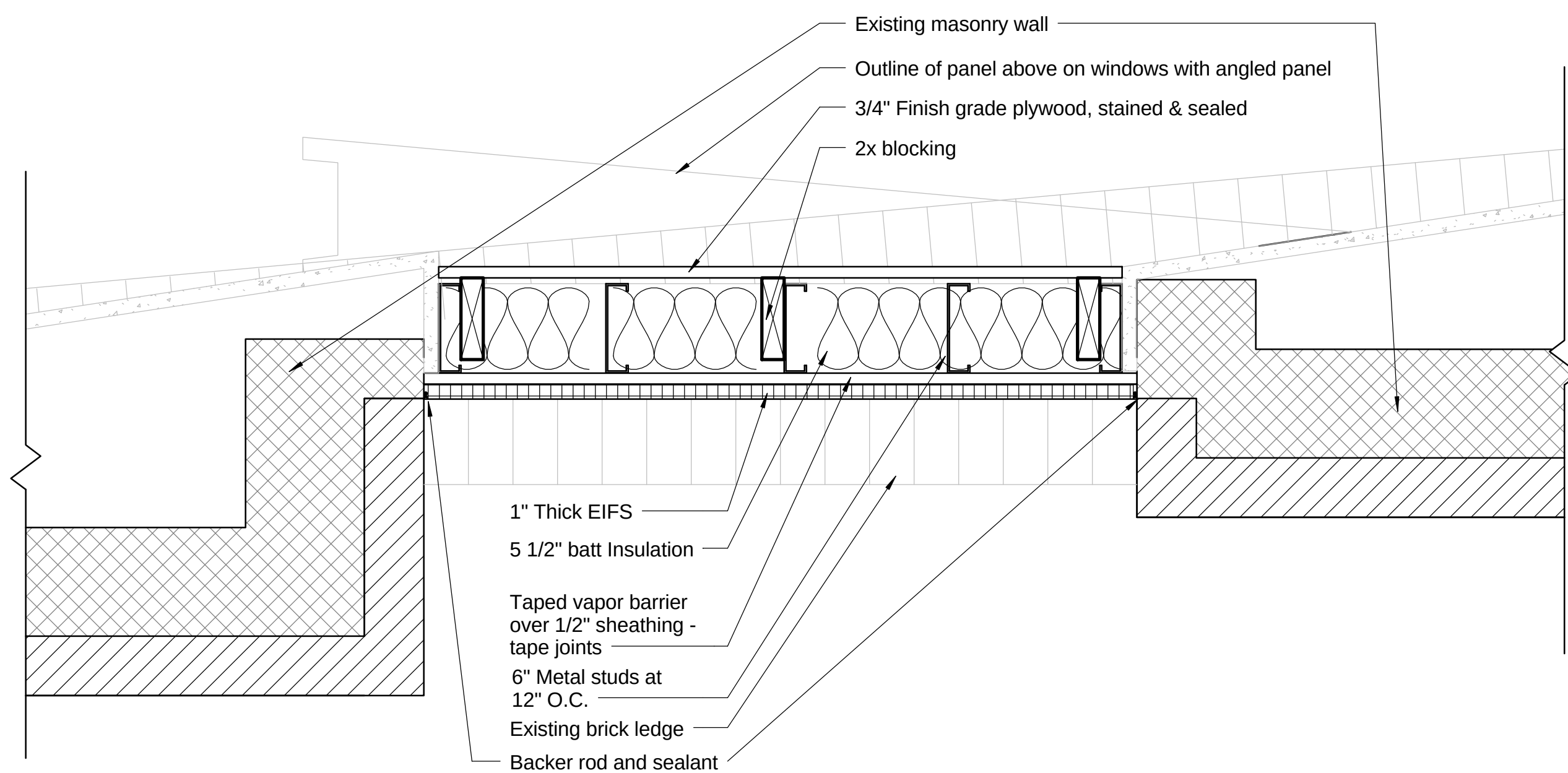


1 Building A Floor Plan

1/8" = 1'-0" 0' 8'



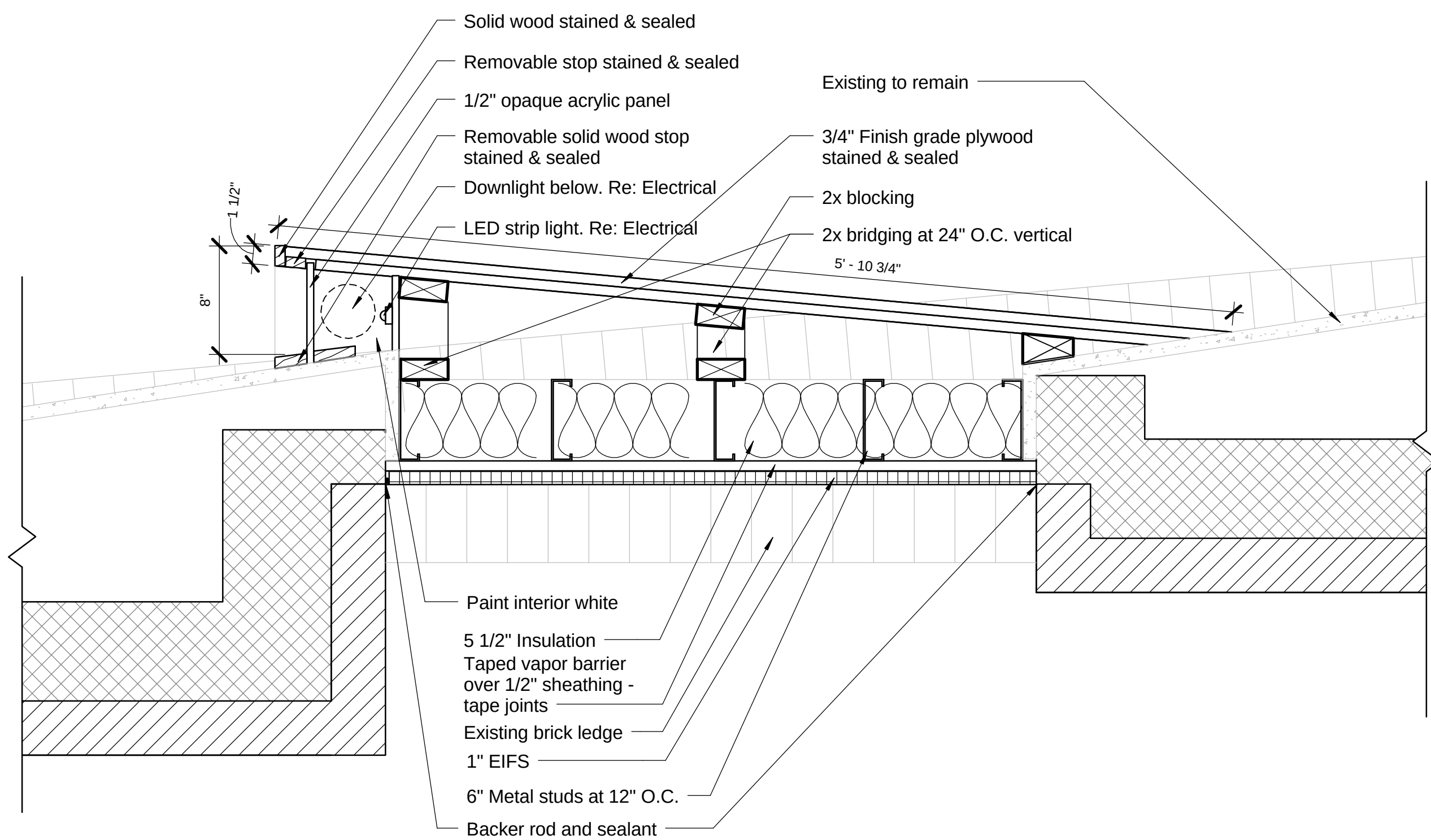
North



2 Panel at brick edge

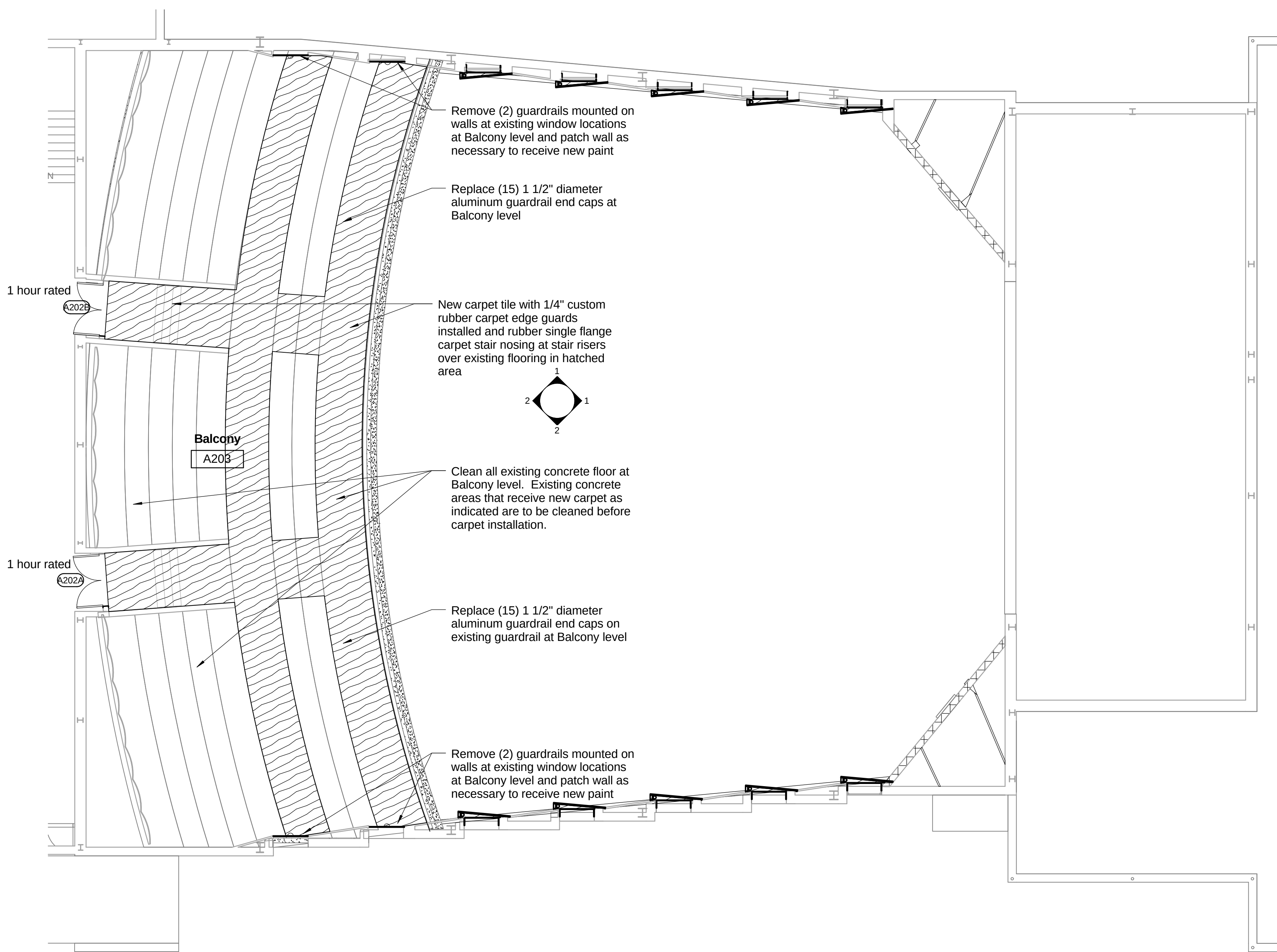
1 1/2" = 1'-0" 0' 8"

Note: Contractor's option to temporarily remove seating along aisle if existing pathway is not sufficient to move equipment in and out of Auditorium to achieve the scope of work outline in these documents. Contractor will be responsible for safe storage on site of seats and projection of anchor bolts during construction activities. Contractor will also be responsible for the chairs if damage occurs during process.



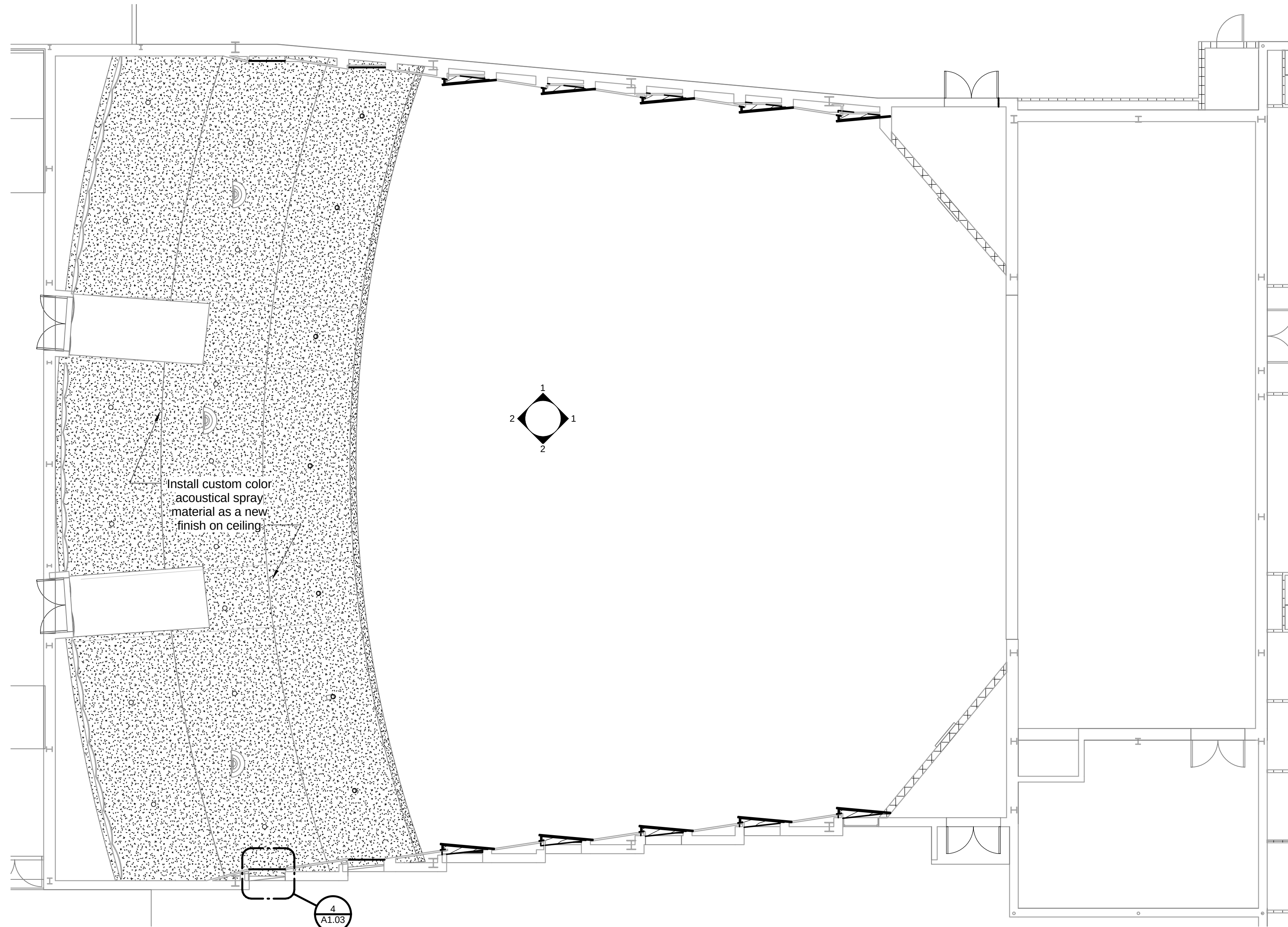
3 New Panel Detail Above Brick Ledge

1 1/2" = 1'-0" 0' 8"



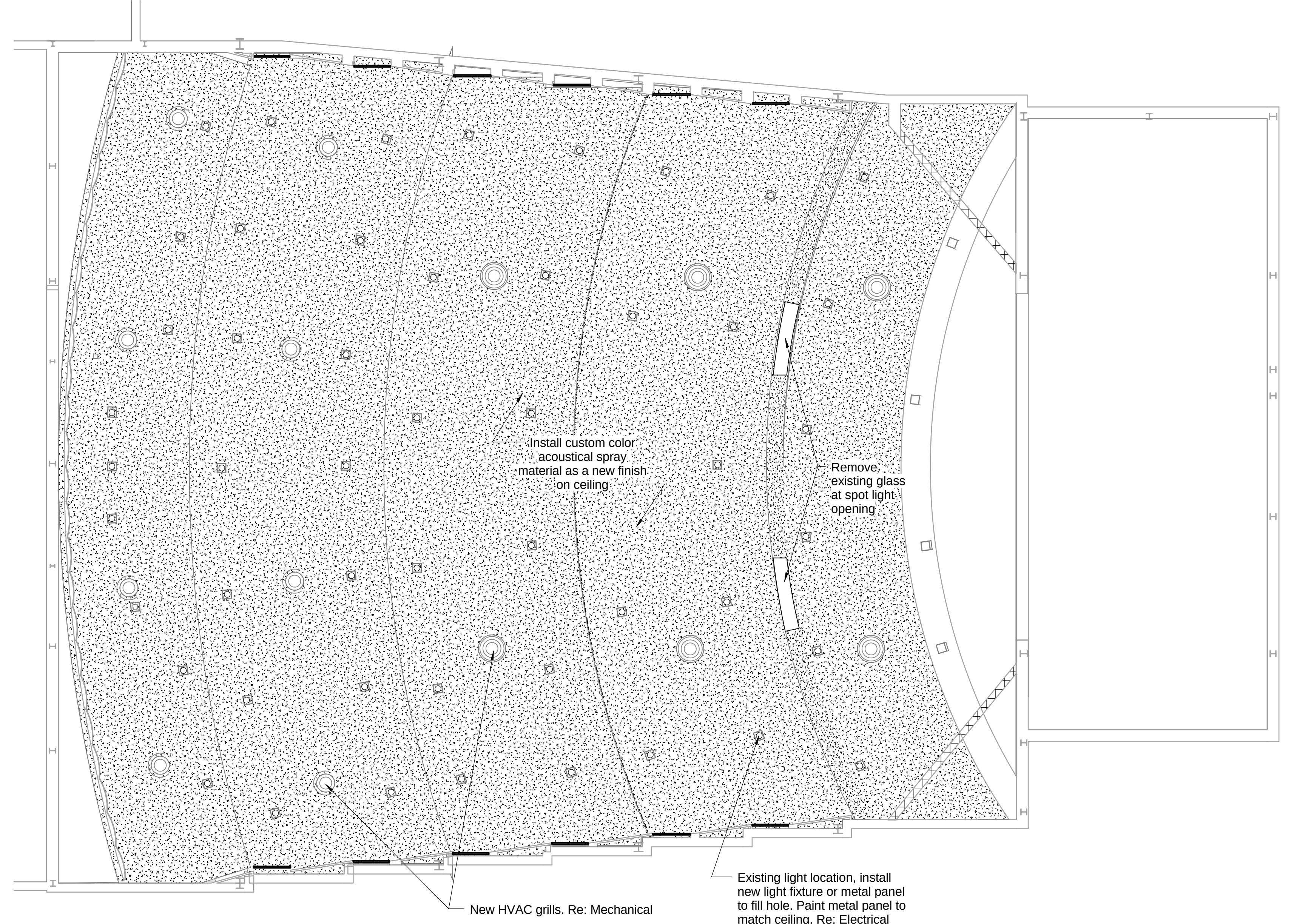
1 Auditorium Balcony

1/8" = 1'-0" 0' 8'



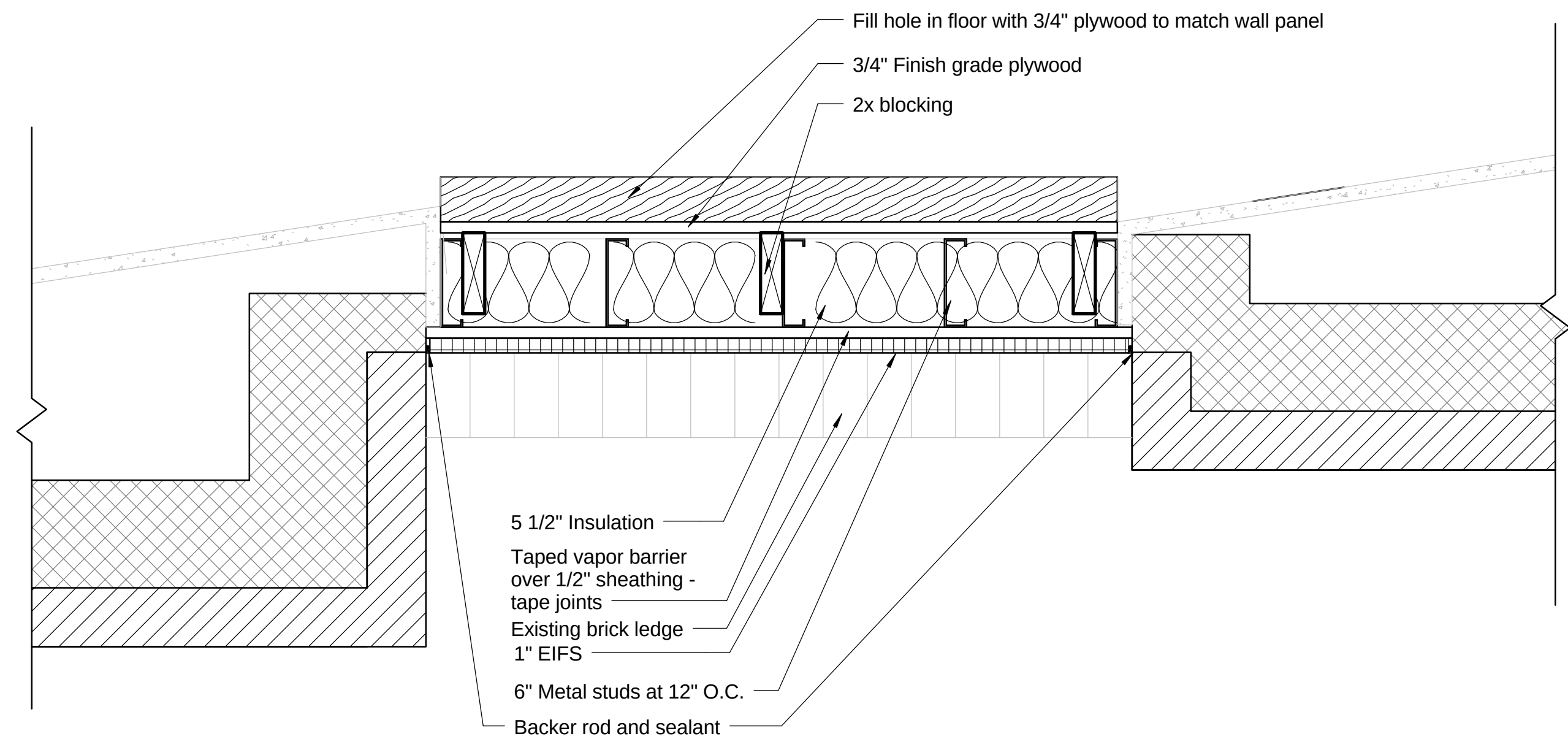
2 Auditorium Balcony Ceiling

1/8" = 1'-0" 0' 8'



3 Auditorium Ceiling

1/8" = 1'-0" 0' 8'



4 Panel at balcony

1 1/2" = 1'-0" 0' 8'





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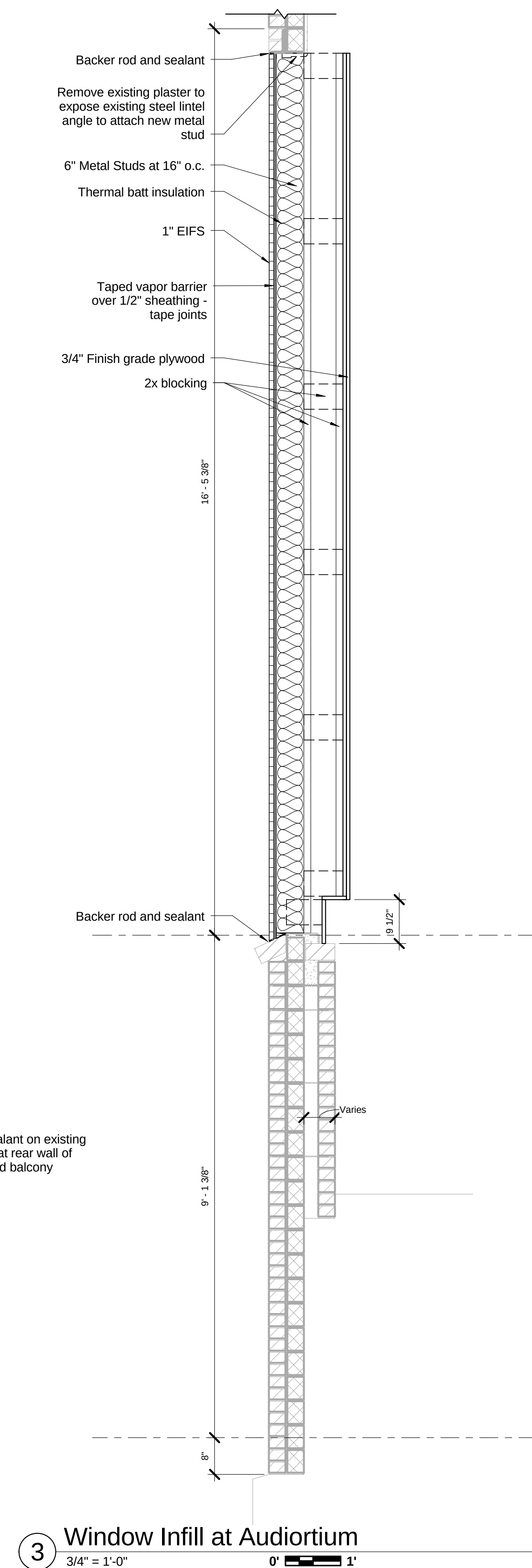
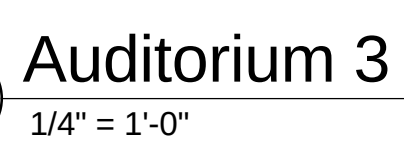
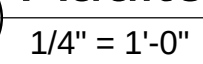
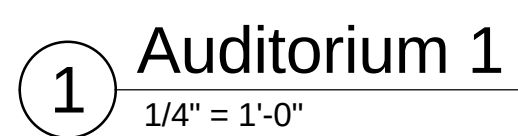
April 9, 2014

Sheet Title

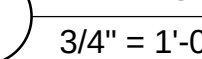
Auditorium Elevations

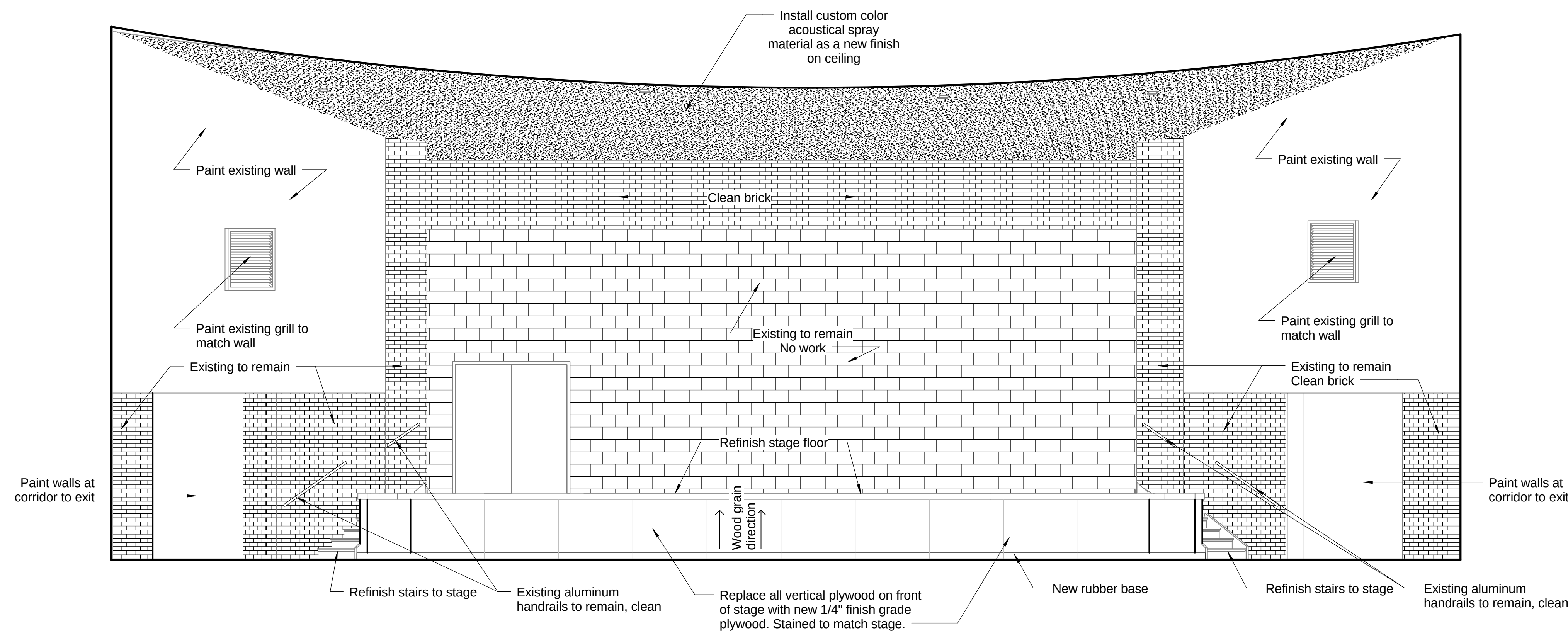
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A1.04

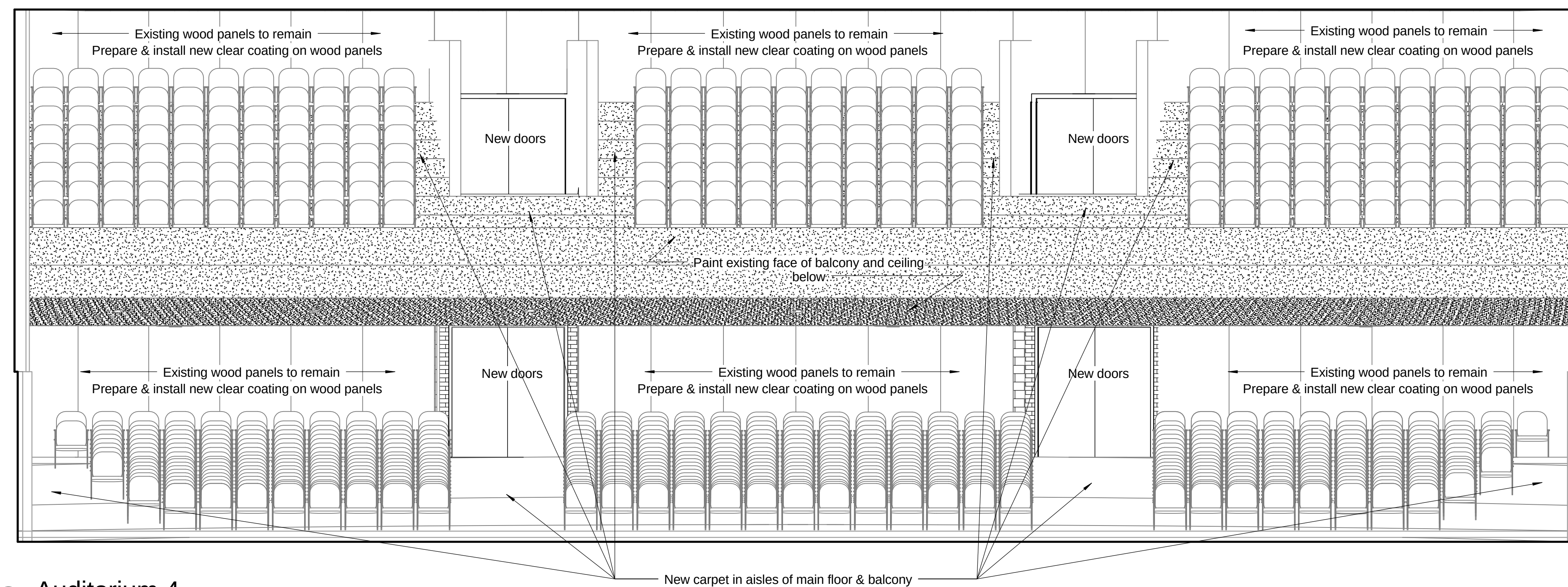


Window Infill at Audiortium

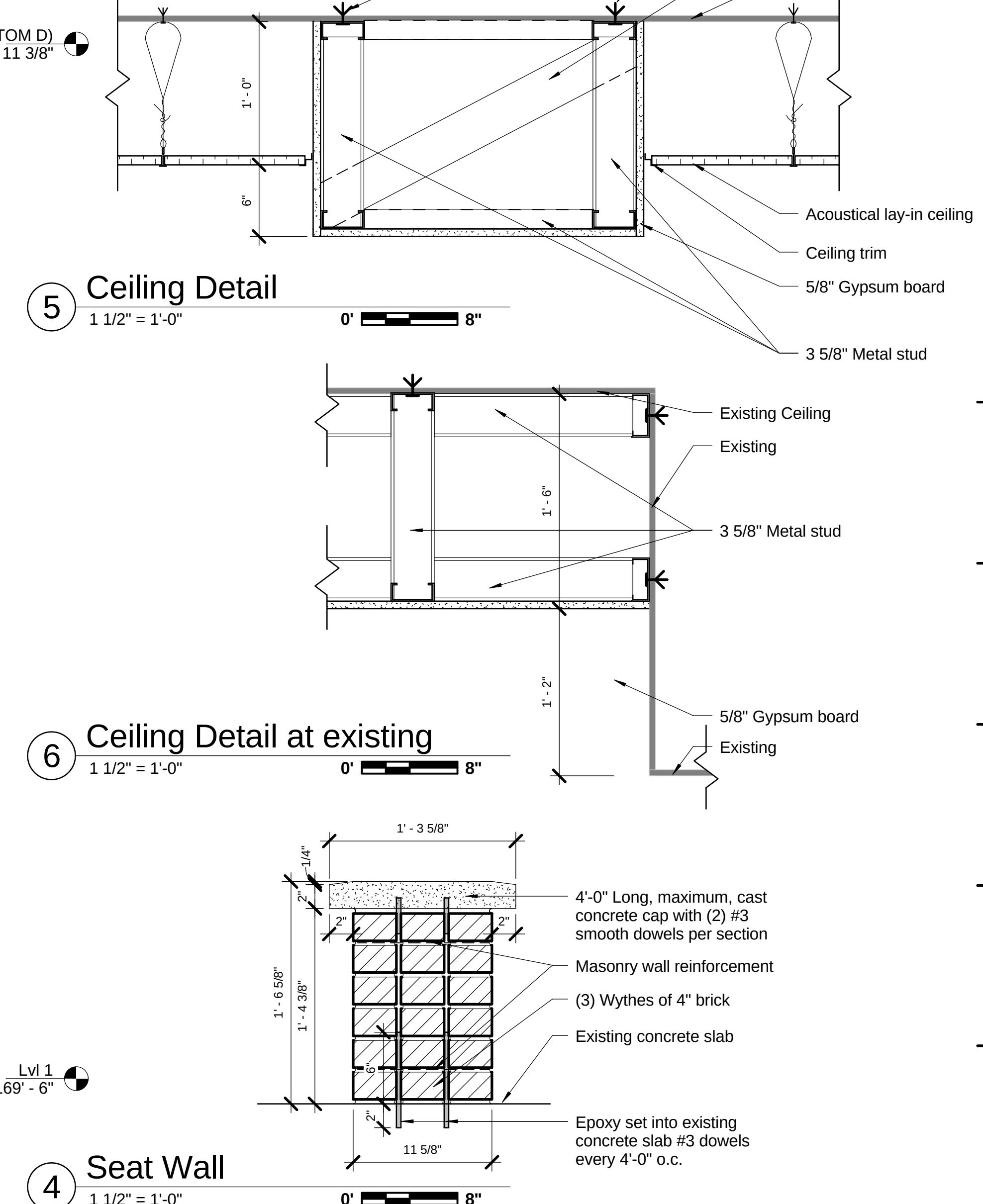
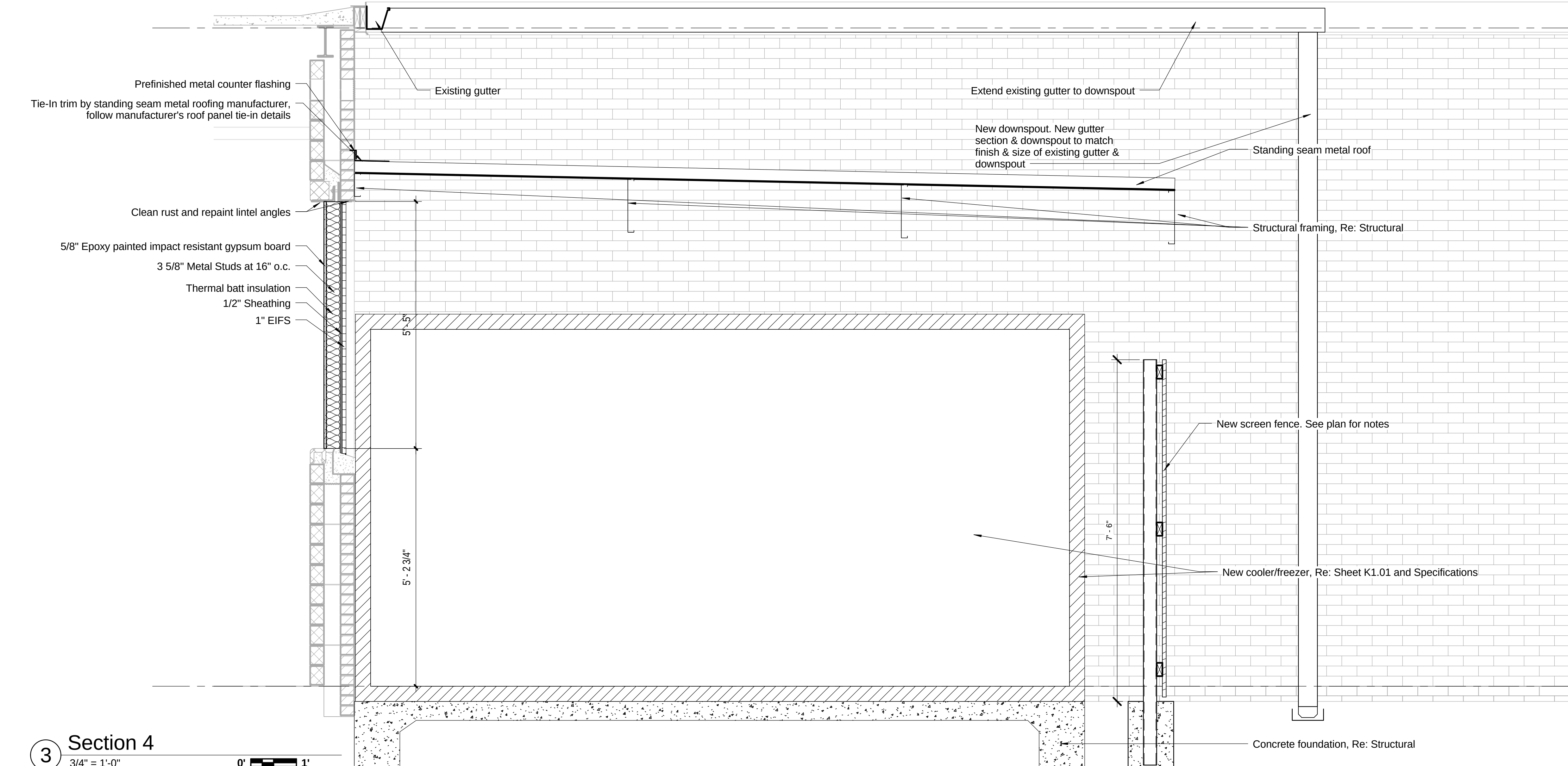
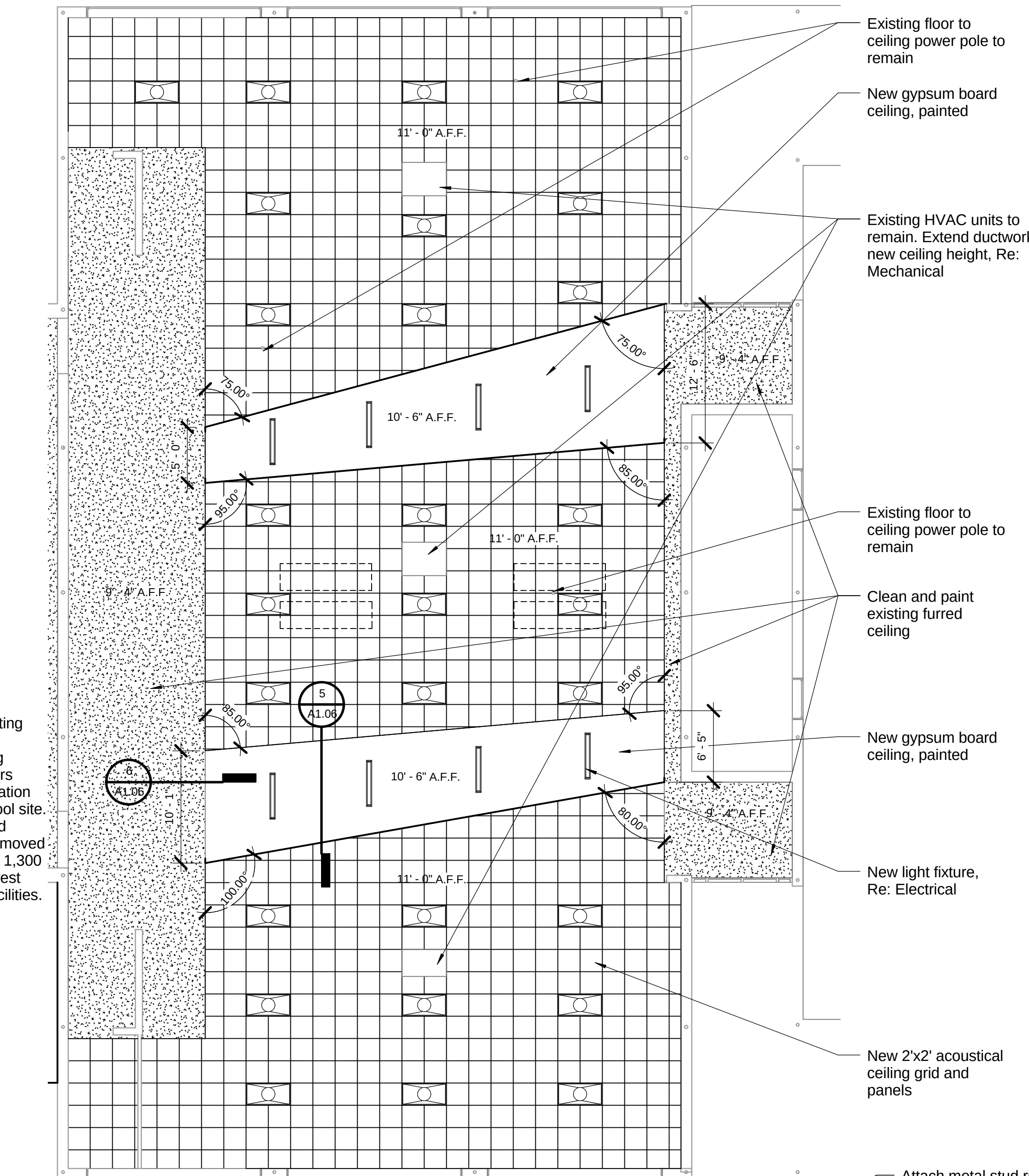
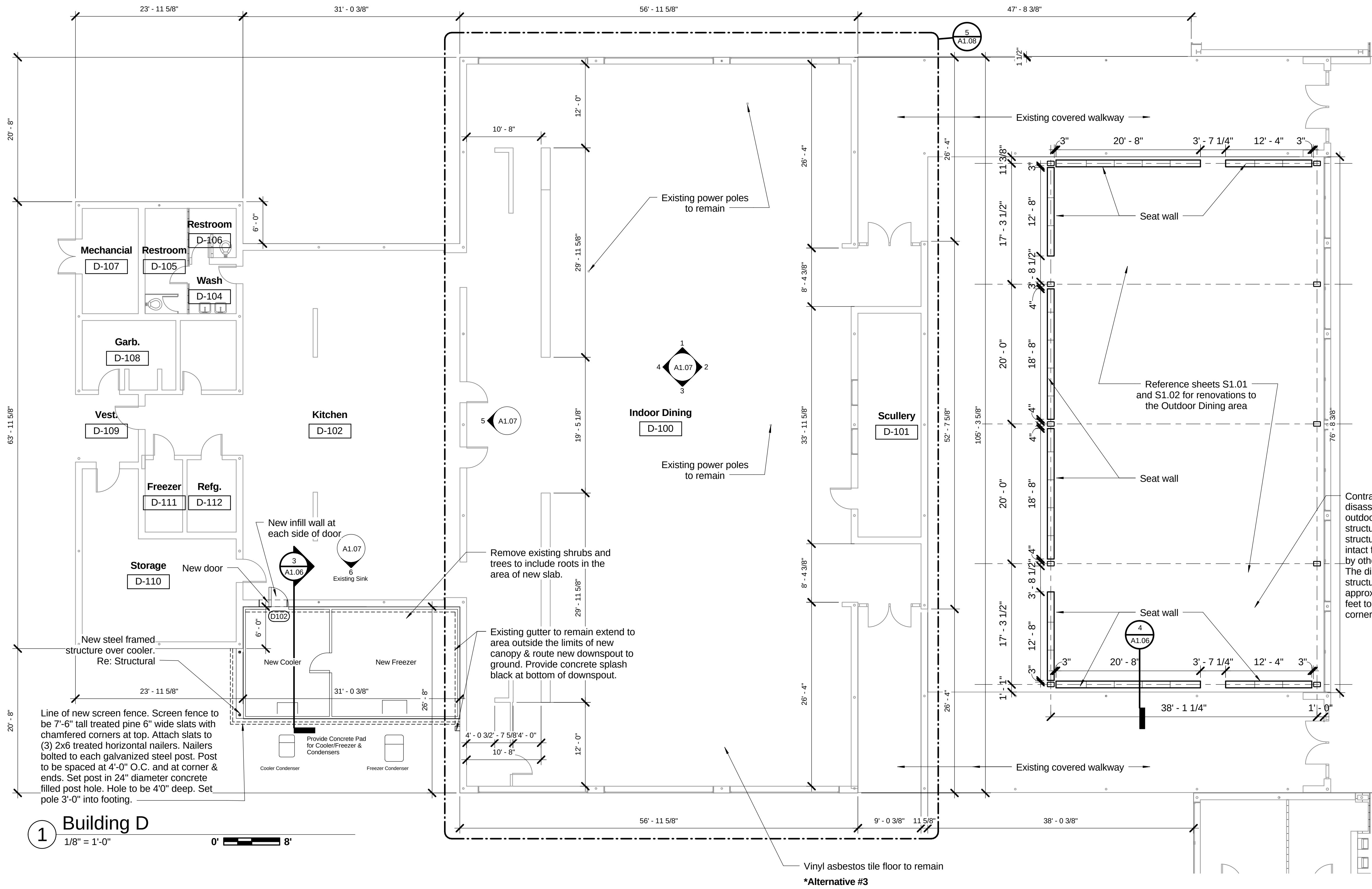




① Auditorium 2
1/4" = 1'-0" 0' 4'



② Auditorium 4
1/4" = 1'-0" 0' 4'



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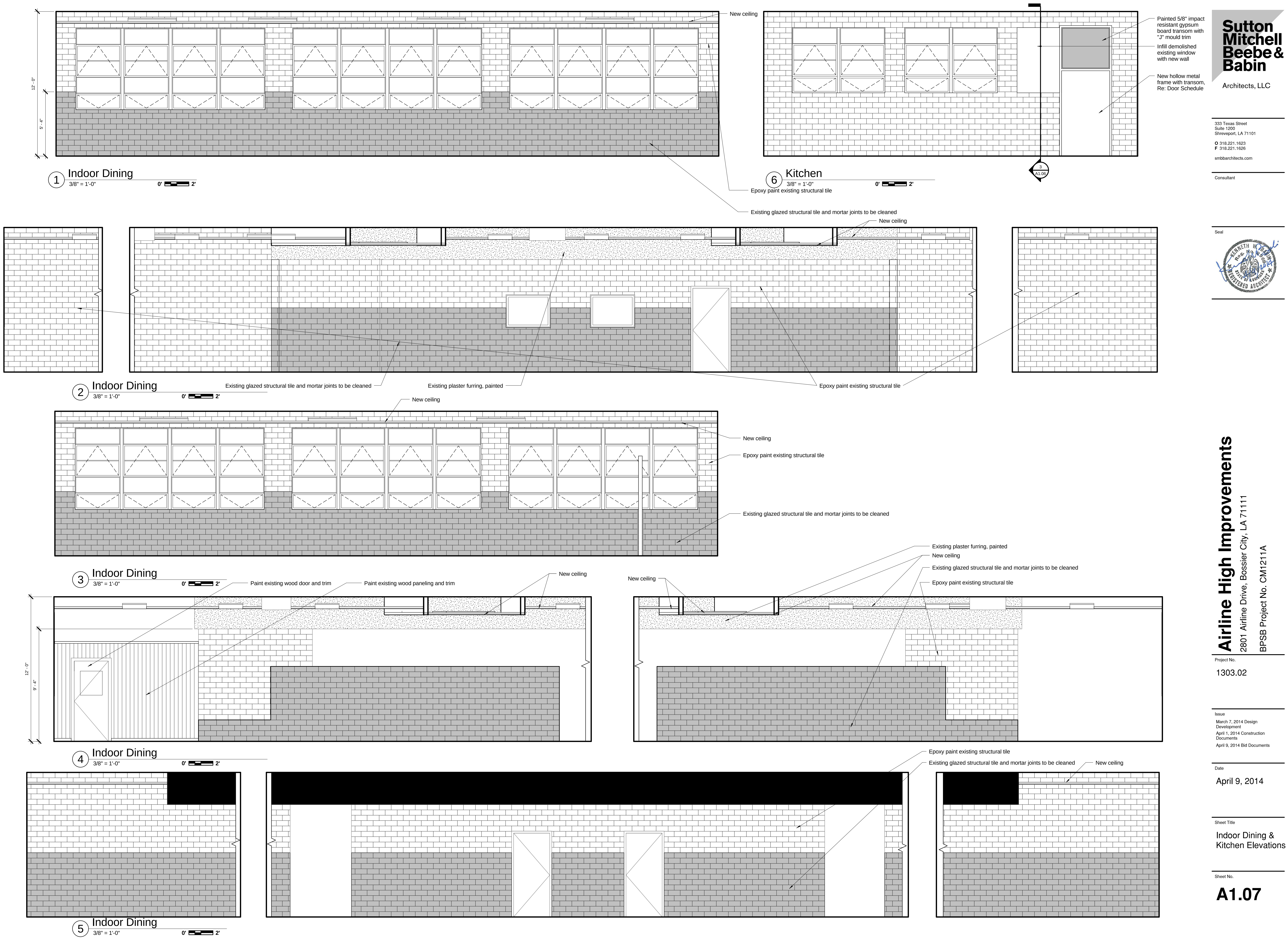
April 9, 2014

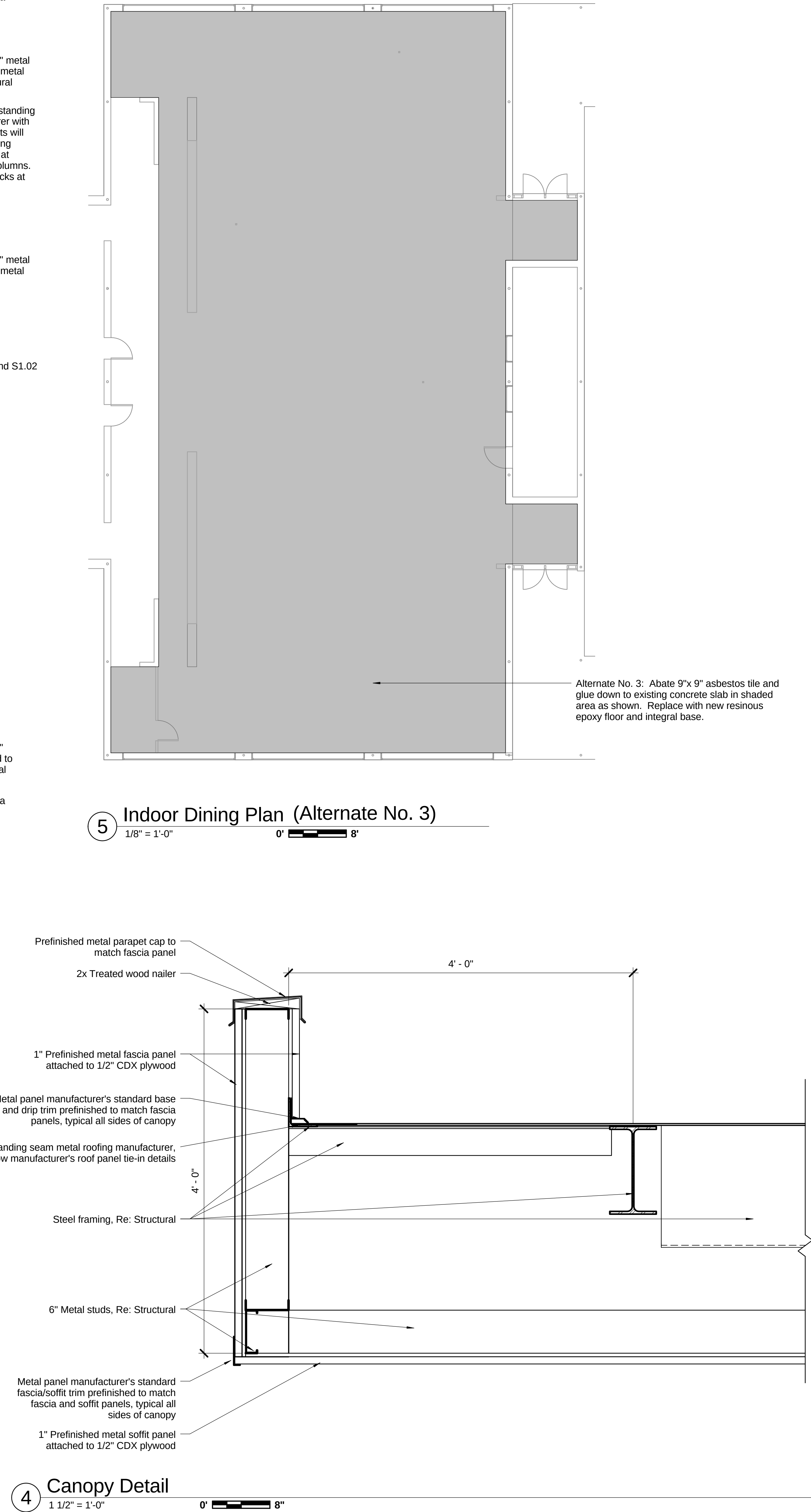
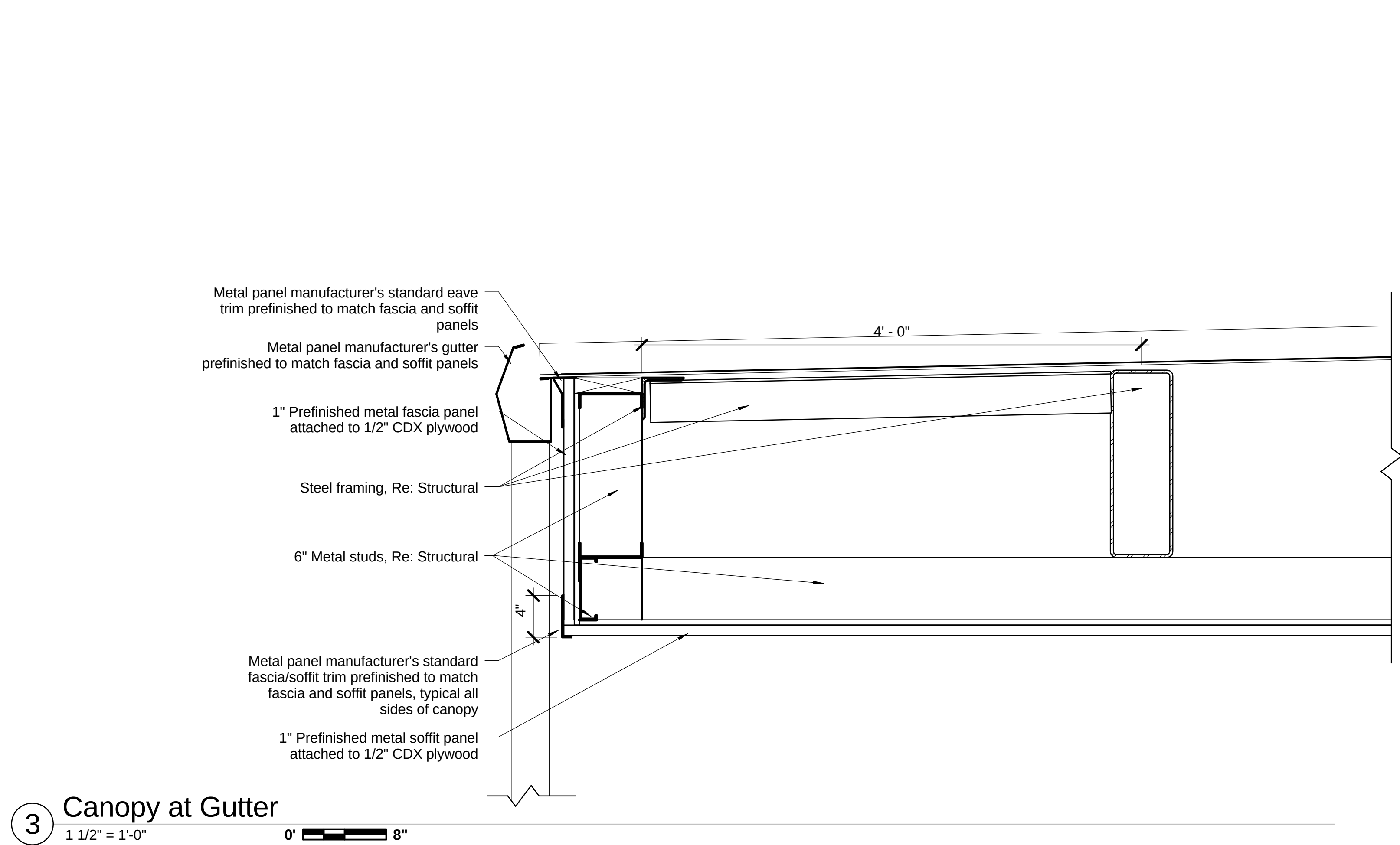
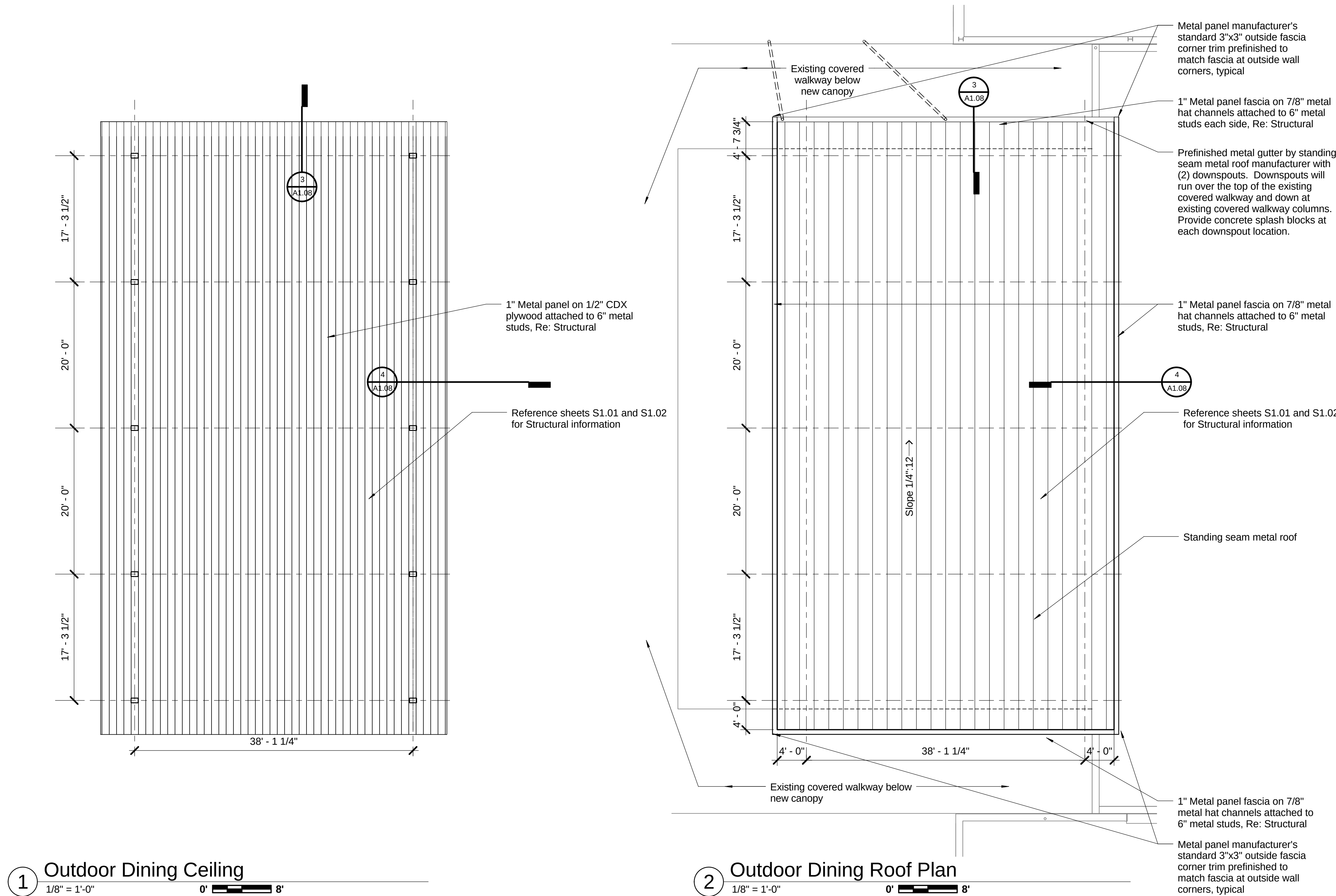
Sheet Title

Building D - Floor Plans

Sheet No.

A1.06





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Outdoor Dining

Sheet No.

A1.08



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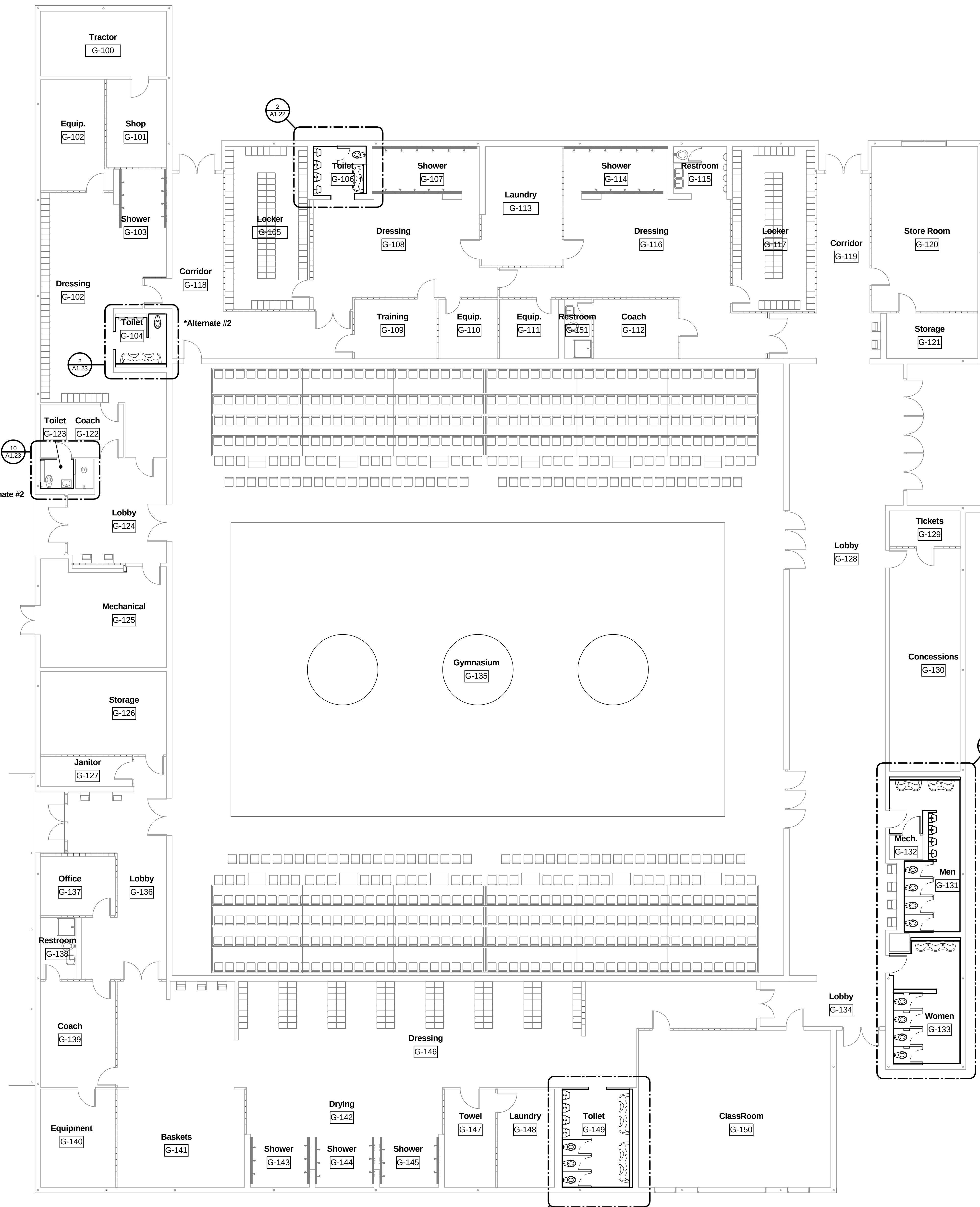
April 9, 2014

Sheet Title

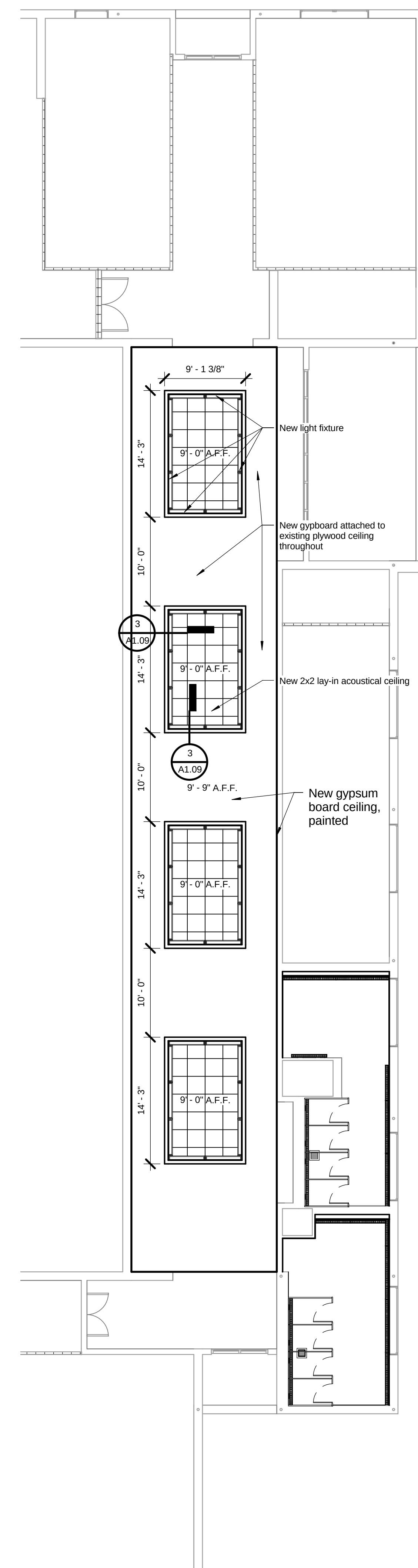
Building G - Floor
Plan

Sheet No.

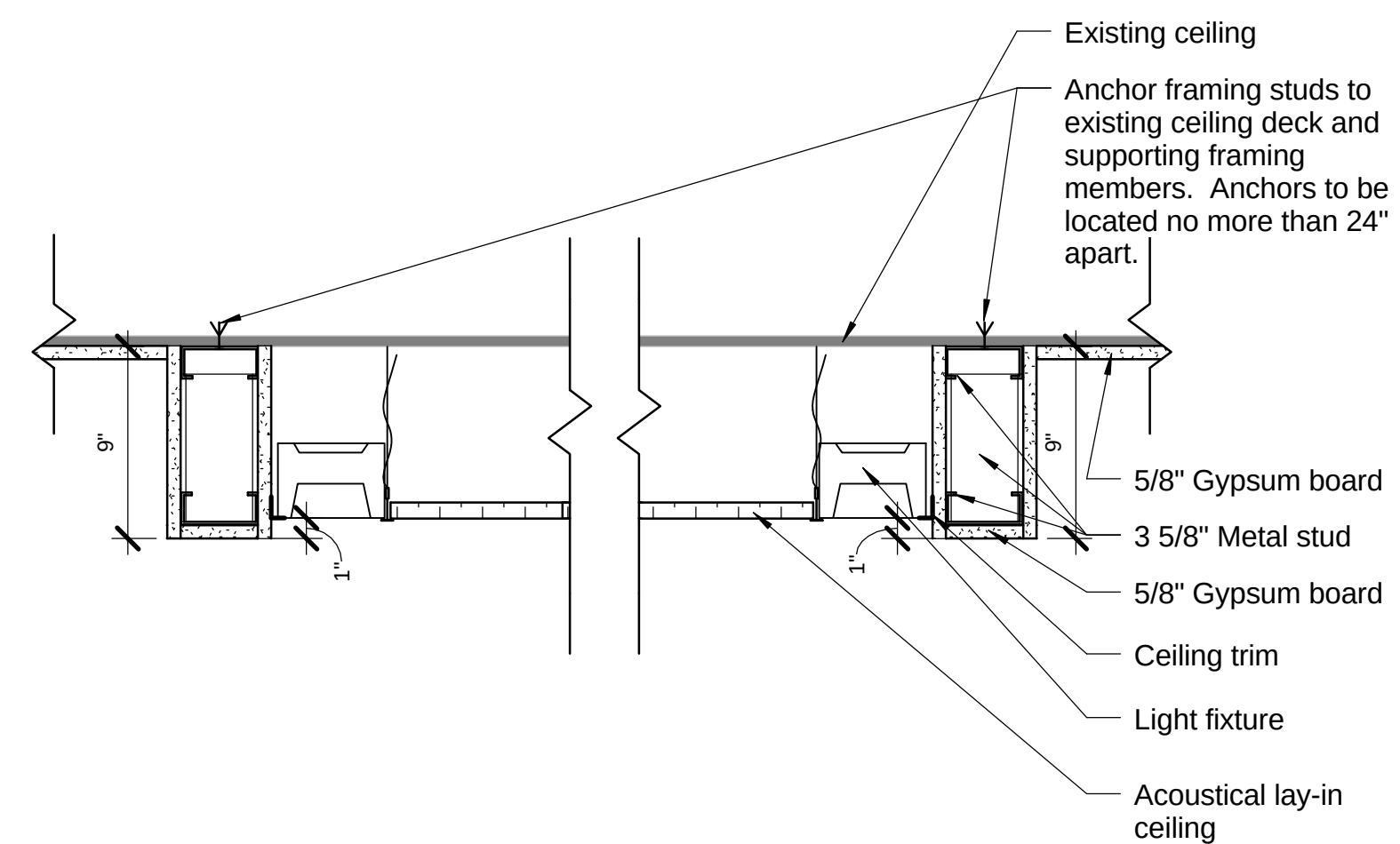
A1.09



1 Building G
1/8" = 1'-0"



2 Gym Lobby Ceiling-Alternate No.1
1/8" = 1'-0"



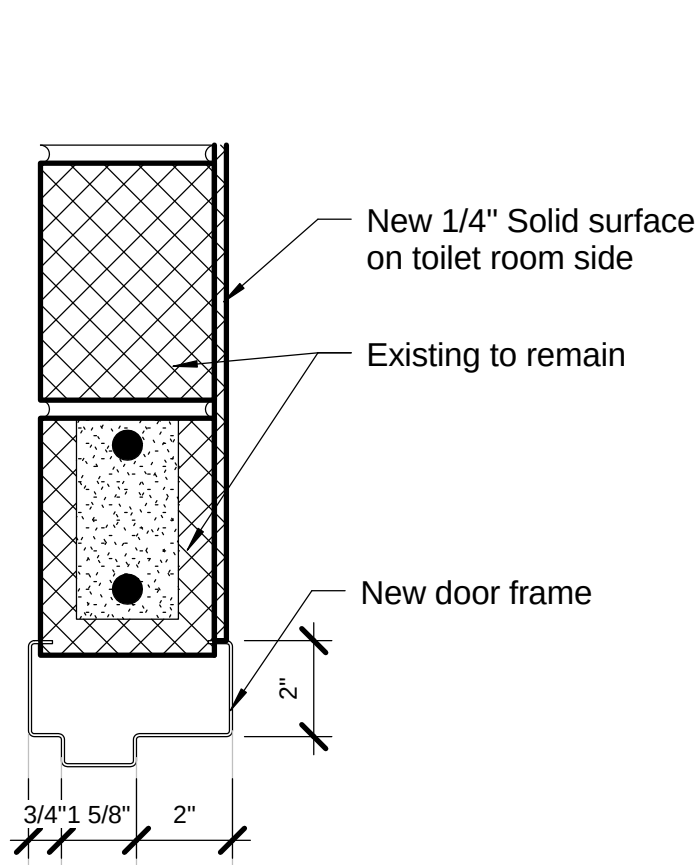
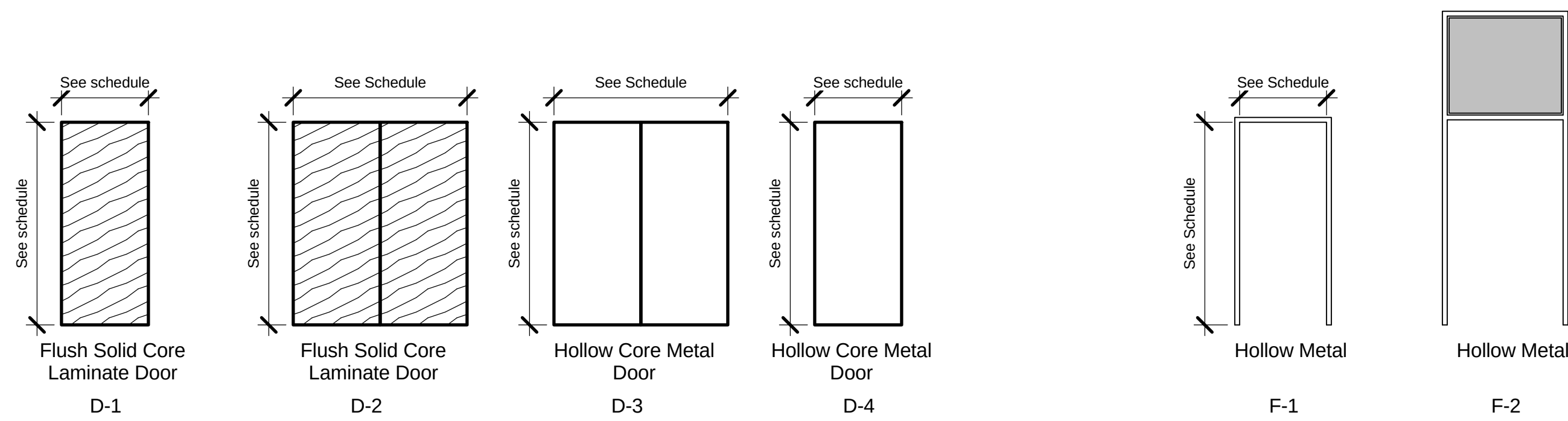
3 Ceiling Detail Gym Lobby-Alternate No. 1
1 1/2" = 1'-0"

Door Schedule - Building A														
Door Number	Room Name	Door				Door Type	Frame		Details			Hardware	Fire Rating	Comments
		Width	Height	Thickness	Material		Material	Type	Head	Hinge Jamb	Latch Jamb			
A101A	Auditorium	2 pair 2'-11"	+/- 6' - 11"	0' - 2"	Laminate	D-3	Existing to remain	Existing				H-1		Field verify exact dimensions for doors in field
A101B	Auditorium	2 pair 2'-11"	+/- 6' - 11"	0' - 2"	Laminate	D-3	Existing to remain	Existing				H-1		Field verify exact dimensions for doors in field
A101C	Auditorium	2 pair 2'-11"	+/- 6' - 11"	0' - 2"	Metal	D-3	Existing to remain	Existing				H-2		Field verify exact dimensions for doors in field
A101D	Auditorium	2 pair 2'-11"	+/- 6' - 11"	0' - 2"	Metal	D-3	Existing to remain	Existing				H-3		Field verify exact dimensions for doors in field
A138	Girls	2' - 8"	+/- 6' - 11"	0' - 2"	Laminate	D-1	Hollow Metal	F-1	4/A1.10	7/A1.10		H-5		
A139	Boys	2' - 8"	+/- 6' - 11"	0' - 2"	Laminate	D-1	Hollow Metal	F-1	4/A1.10	7/A1.10		H-5		

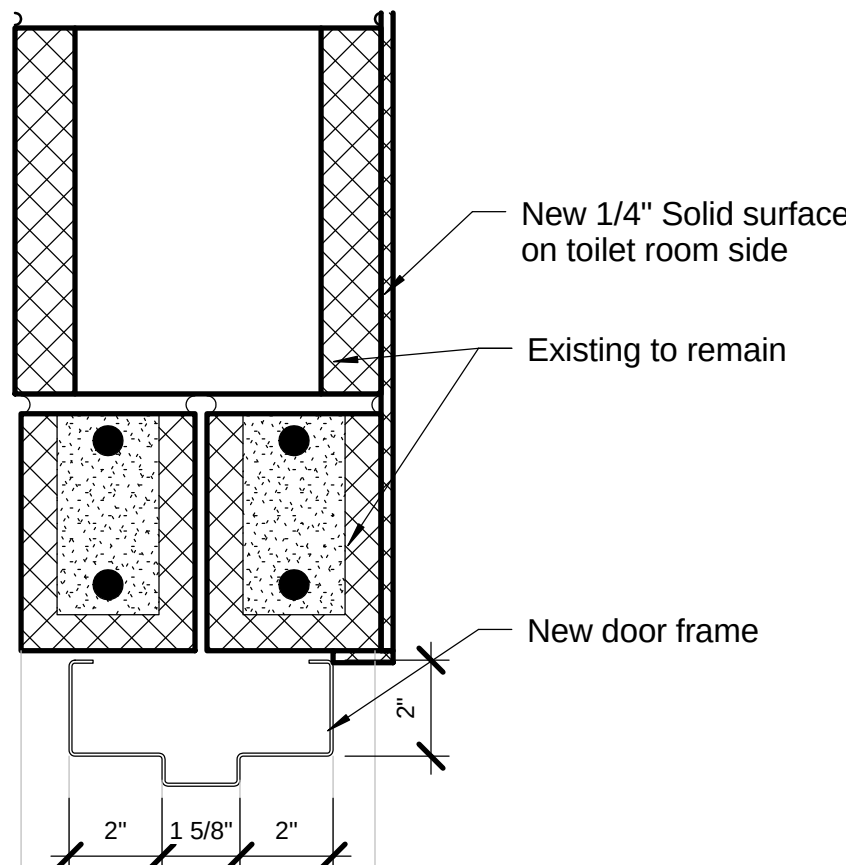
Door Schedule - Building A Balcony														
Door Number	Room Name	Door				Door Type	Frame		Details			Hardware	Fire Rating	Comments
		Width	Height	Thickness	Material		Material	Type	Head	Hinge Jamb	Latch Jamb			
A202A	Balcony	2 pair 2'-11"	+/- 6' - 11"	0' - 2"	Laminate	D-3	Existing to remain	Existing				H-1		Field verify exact dimensions for doors in field
A202B	Balcony	2 pair 2'-11"	+/- 6' - 11"	0' - 2"	Laminate	D-3	Existing to remain	Existing				H-1		Field verify exact dimensions for doors in field

Door Schedule - Building D														
Door Number	Room Name	Door				Door Type	Frame		Details			Hardware	Fire Rating	Comments
		Width	Height	Thickness	Material		Material	Type	Head	Hinge Jamb	Latch Jamb			
D102	Kitchen	4' - 0"	10' - 8"			N/A	Hollow Metal	F-2	9/A1.10	10/A1.10	10/A1.10			

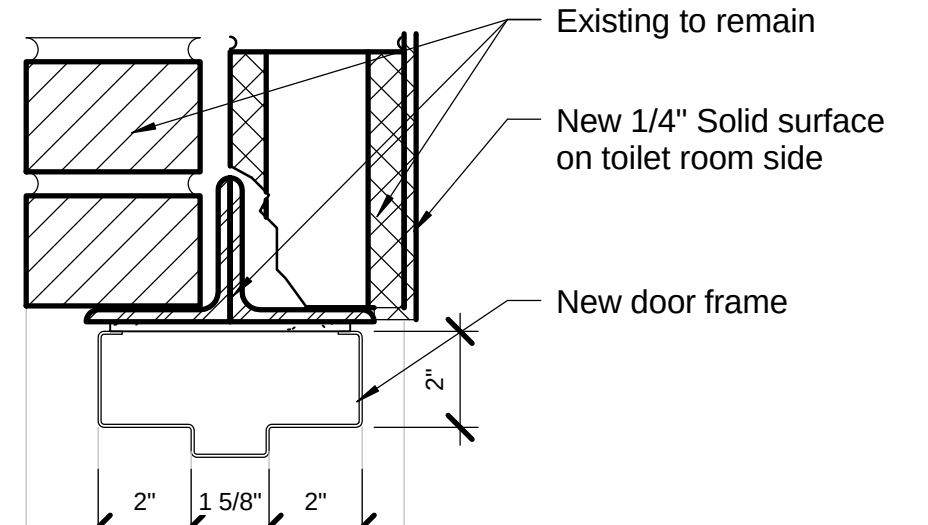
Door Schedule - Building G														
Door Number	Room Name	Door				Door Type	Frame		Details			Hardware	Fire Rating	Comments
		Width	Height	Thickness	Material		Material	Type	Head	Hinge Jamb	Latch Jamb			
G131	Men	3' - 0"	+/- 6' - 11"	0' - 2"	Laminate	D-1	Hollow Metal	F-1	5/A1.10	8/A1.10		H-4		Field verify exact dimensions for doors in field
G132	Mechanical	3' - 0"	+/- 7' - 0"	0' - 2"	Laminate	D-1	Hollow Metal	F-1	2/A1.10	6/A1.10		H-6		Field verify exact dimensions for doors in field
G133	Women	3' - 0"	+/- 6' - 11"	0' - 2"	Laminate	D-1	Hollow Metal	F-1	5/A1.10	8/A1.10		H-4		Field verify exact dimensions for doors in field



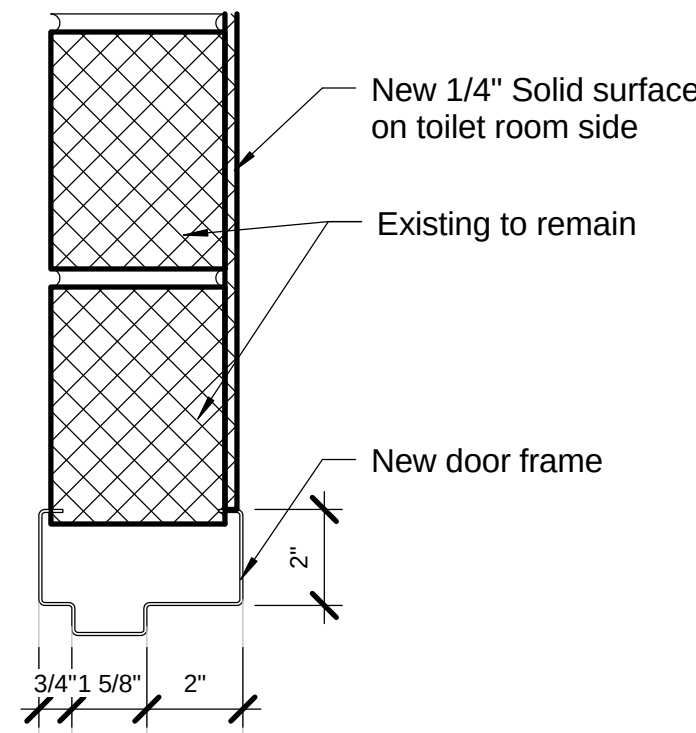
2 Door Head 1
3" = 1'-0"



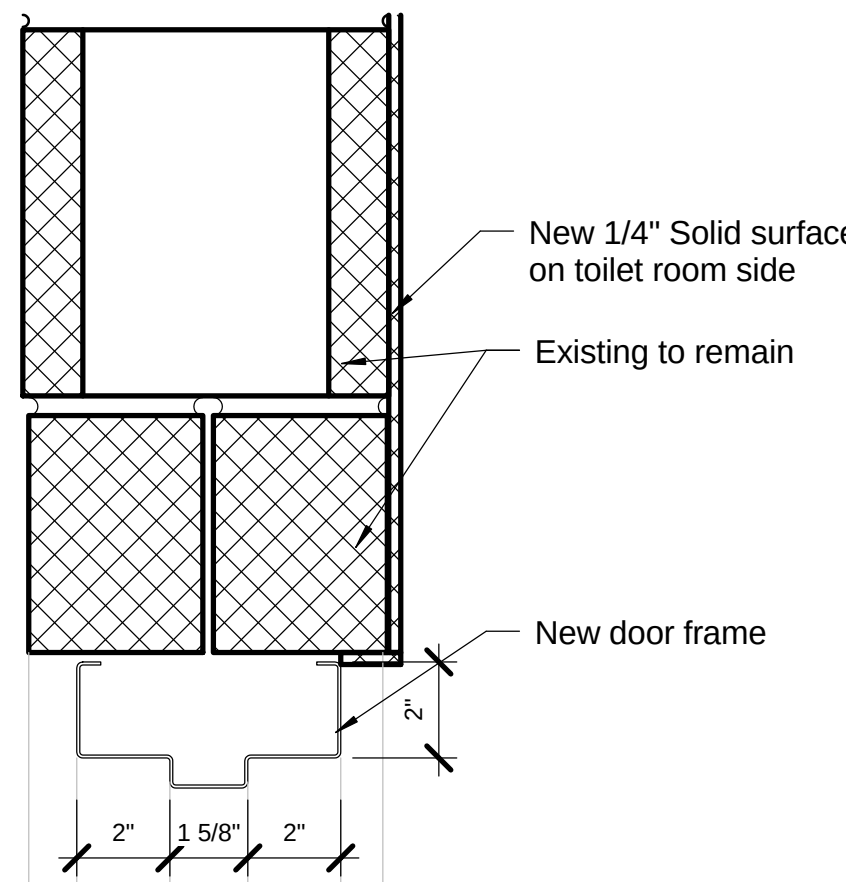
4 Door Head 2
3" = 1'-0"



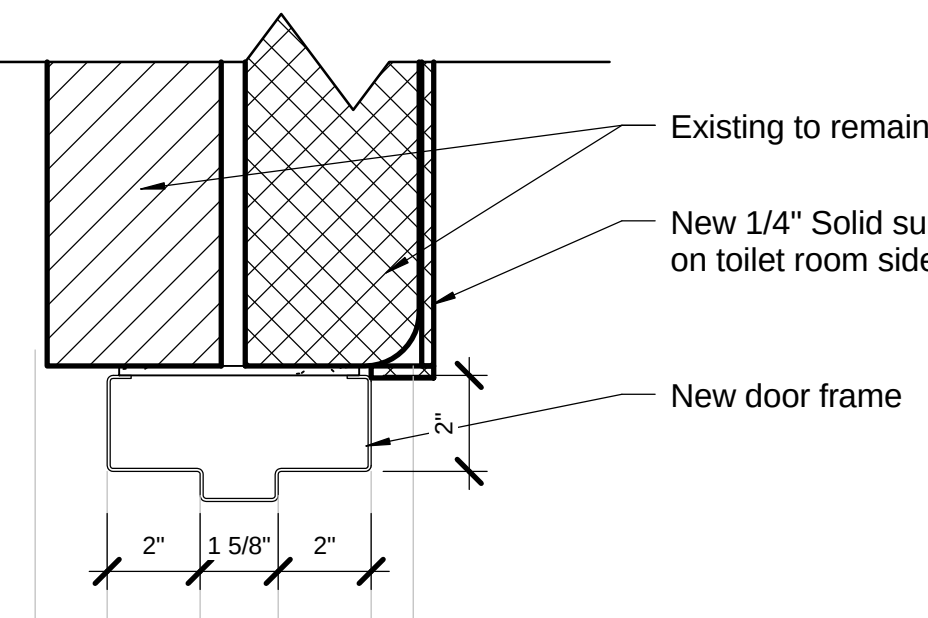
5 Door Head 3
3" = 1'-0"



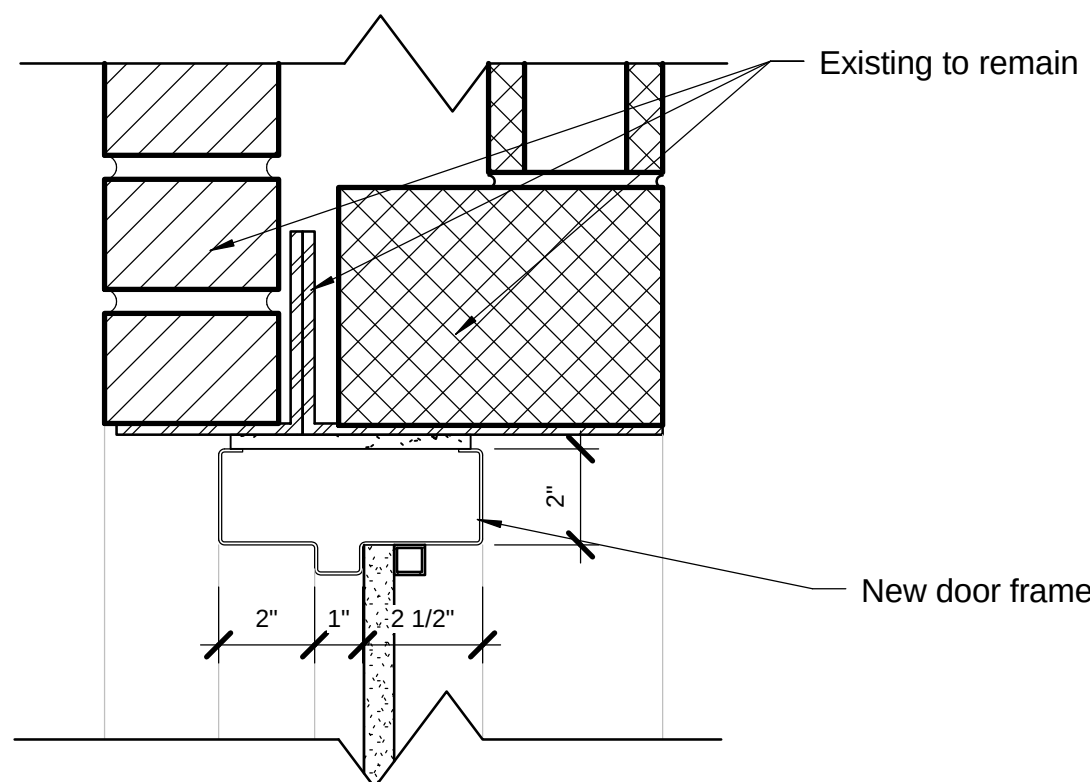
6 Door Jamb 1
3" = 1'-0"



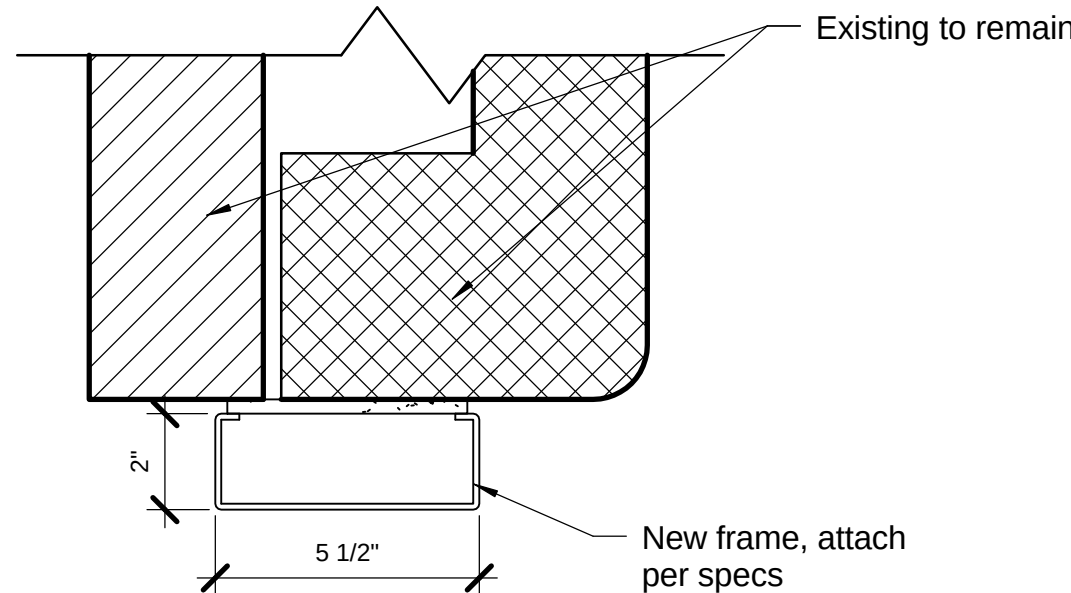
7 Door Jamb 2
3" = 1'-0"



8 Door Jamb 3
3" = 1'-0"



9 Door Head 4
3" = 1'-0"

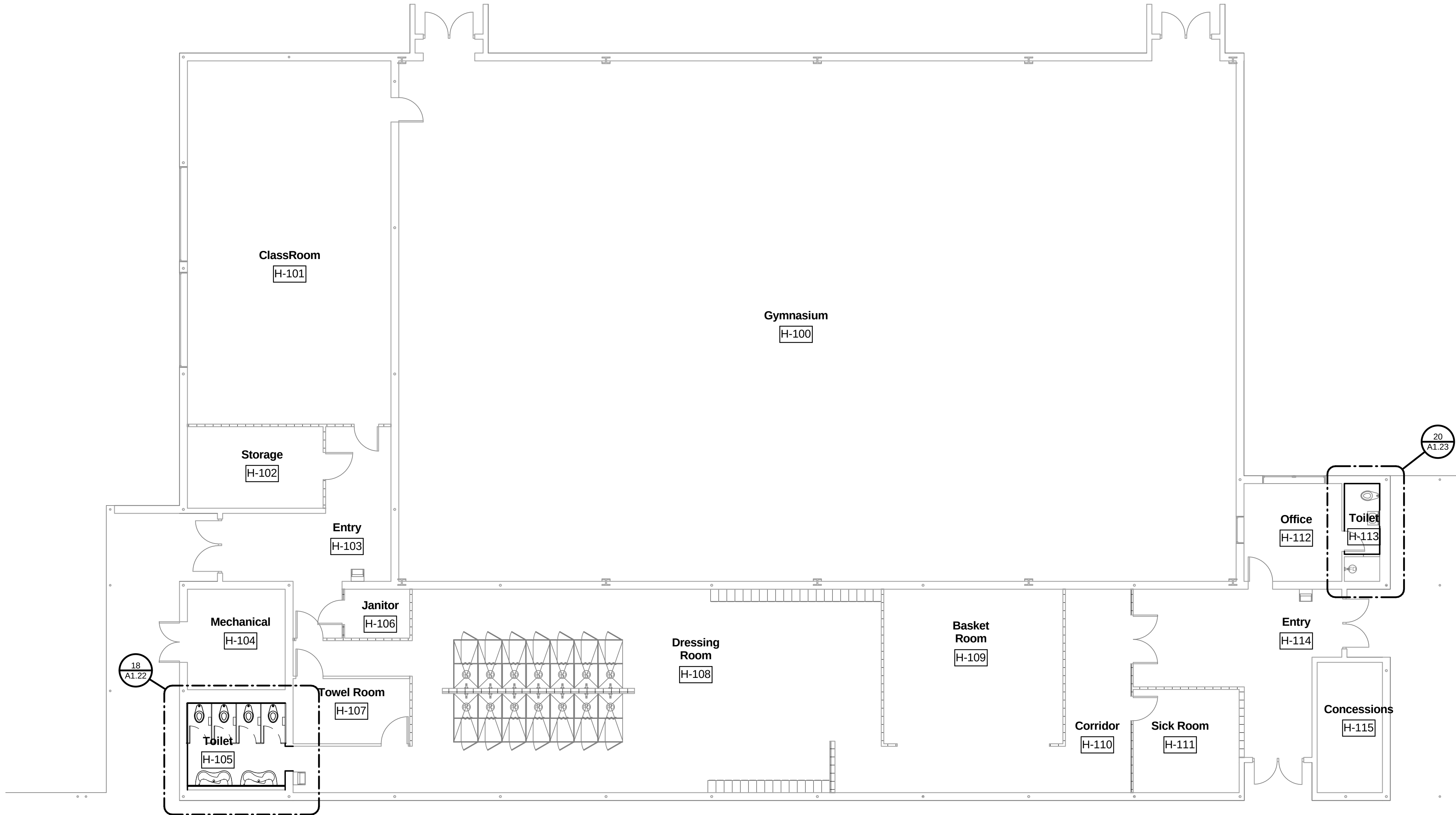


10 Door Jamb 4
3" = 1'-0"

*Typical all toilet room windows. See locations on following sheets:

- Remove all glazing and glazing compound from window(s) and thoroughly clean sash area to receive new glass.
- Replace existing glass with 1/4 inch translucent tempered glass.
- Set new glass with DAP Glazing Compound 1012 for metal sash or Architect approved comparable product.
- Apply glazing compound in uniformly smooth installation without gaps or sags continuously at sash perimeter. Slope glazing compound away from glass to edge of window frame.
- Use any necessary accessories (glazing beads, setting blocks, etc.) to produce a secure watertight installation.

Lintel Angle Note:
-Remove all existing paint and rust from lintel angle(s) and clean thoroughly to receive new paint finish. Refer to Section 099123 Interior Painting for finished painting specifications.



1 Building H
1/8" = 1'-0"



Sutton
Mitchell
Beebe &
Babin

Architects, LLC

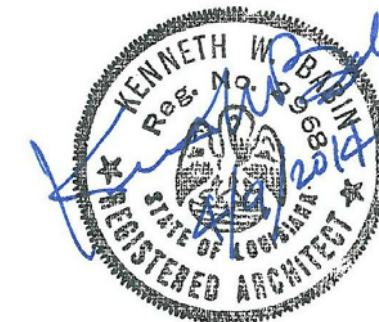
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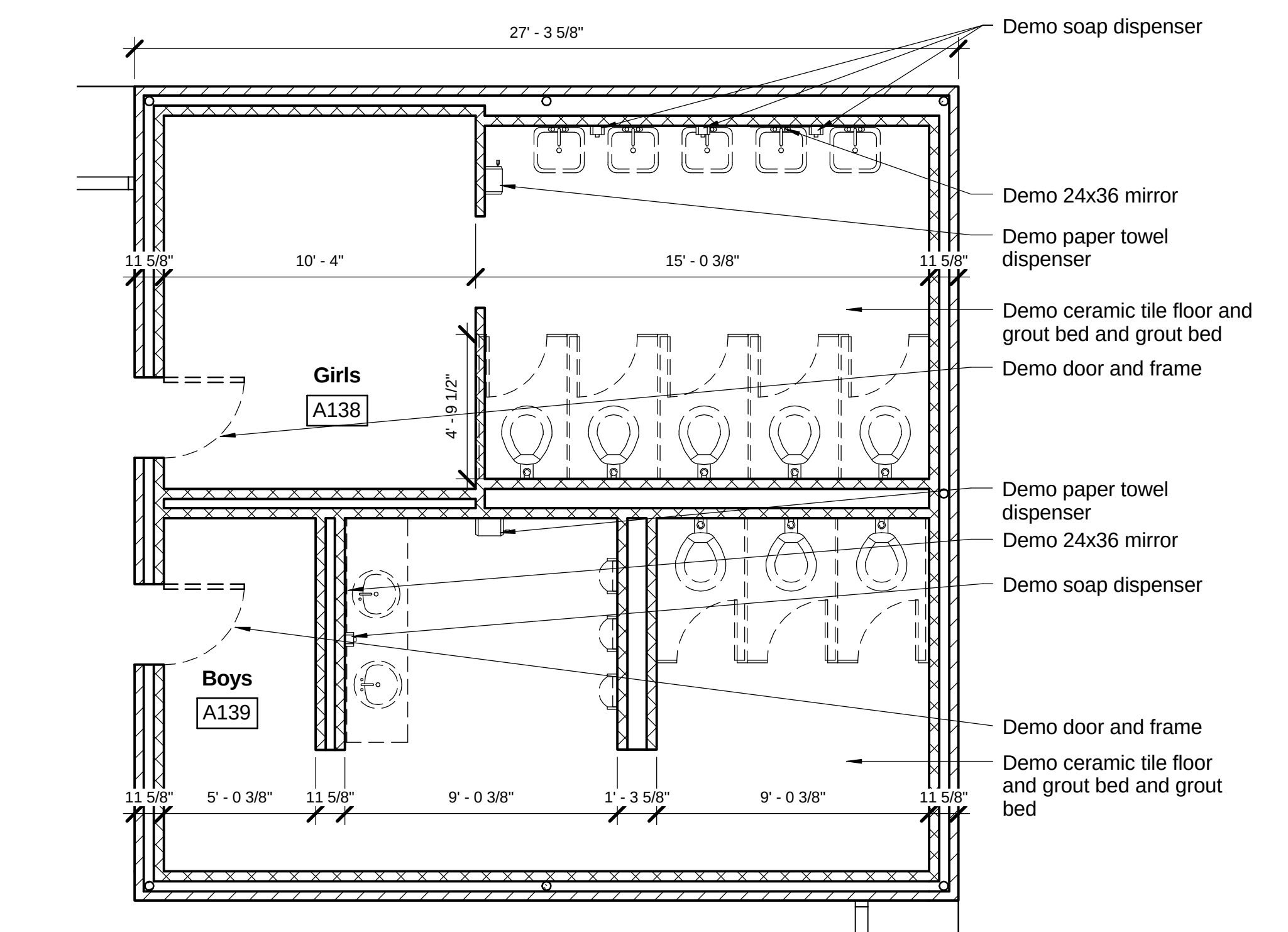
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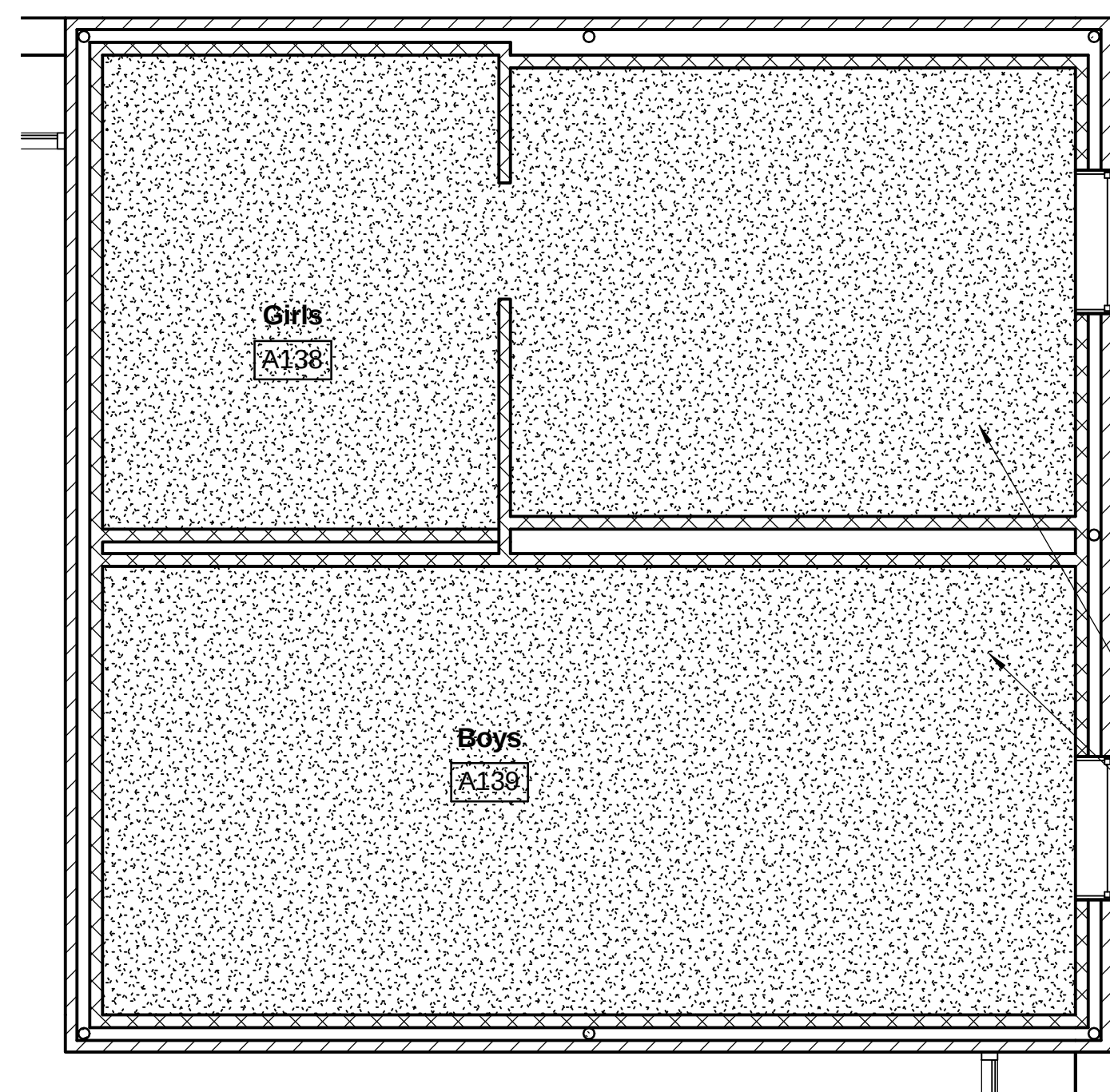
Building H Floor
Plan and Door
Schedules

Sheet No.

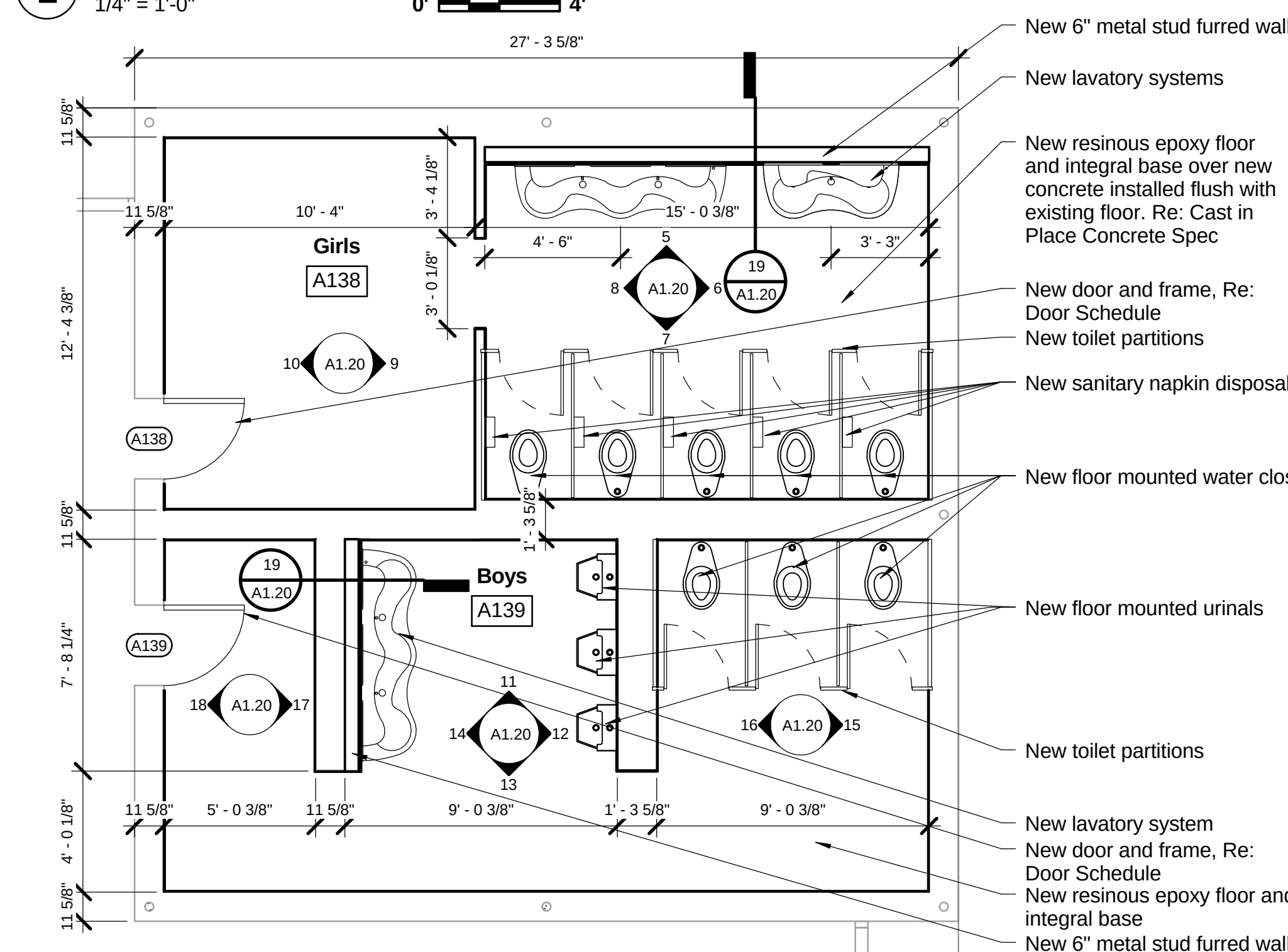
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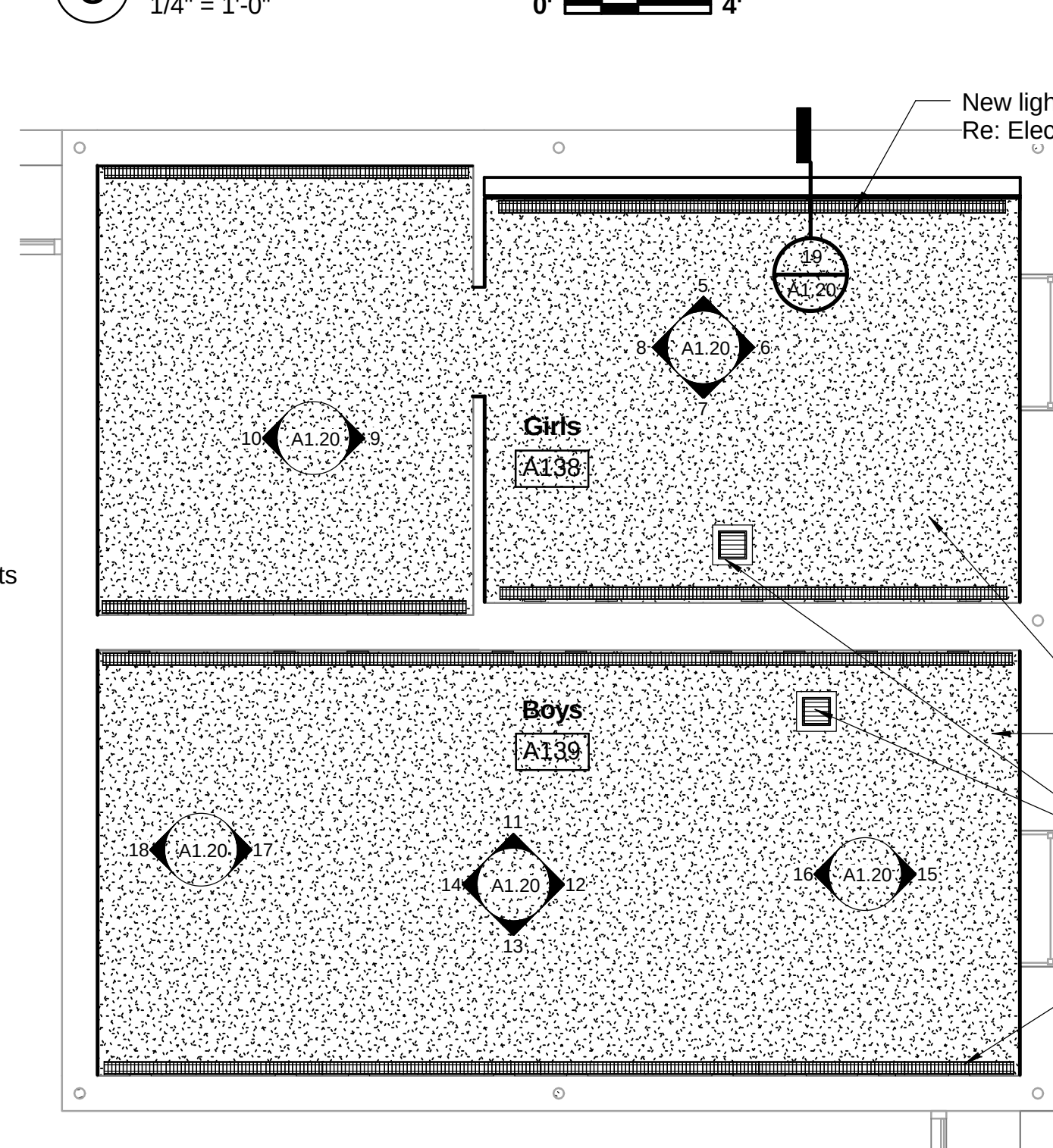
1 Girls A-138 & Boys A-139 Demolition Plan
1/4" = 1'-0" 0' 4'



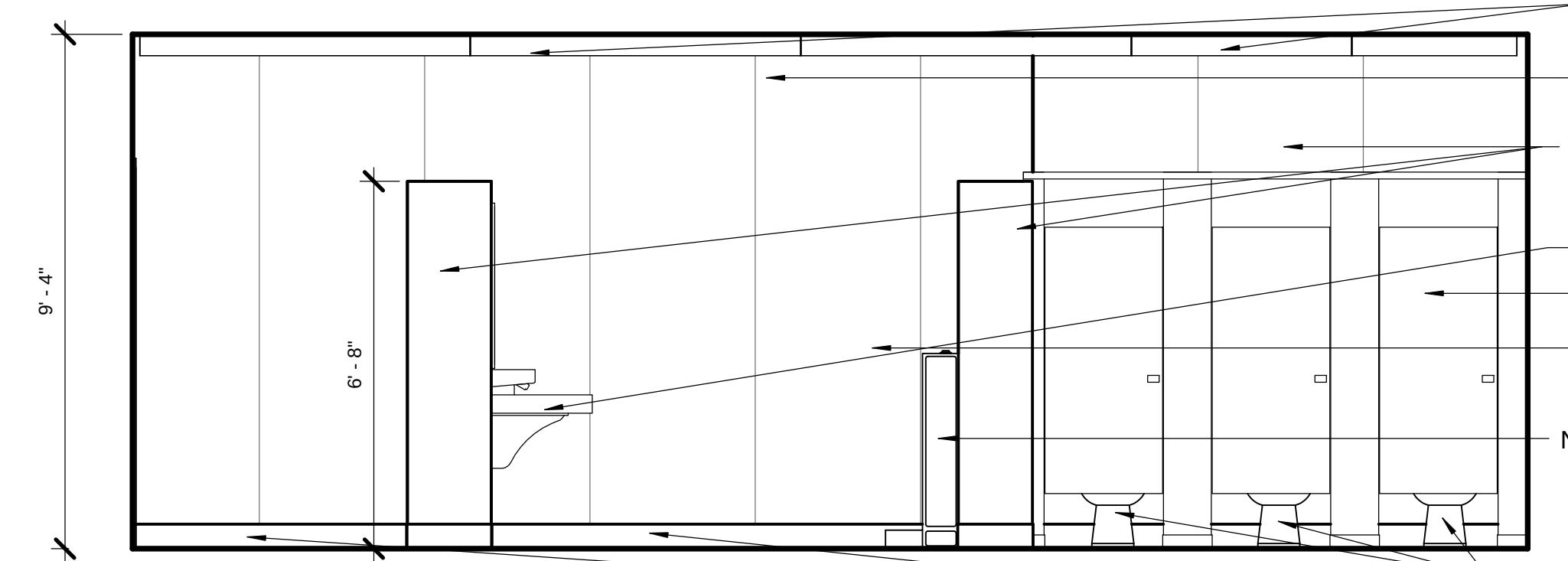
3 Girls A-138 & Boys A-139 Demolition RCP
1/4" = 1'-0" 0' 4'



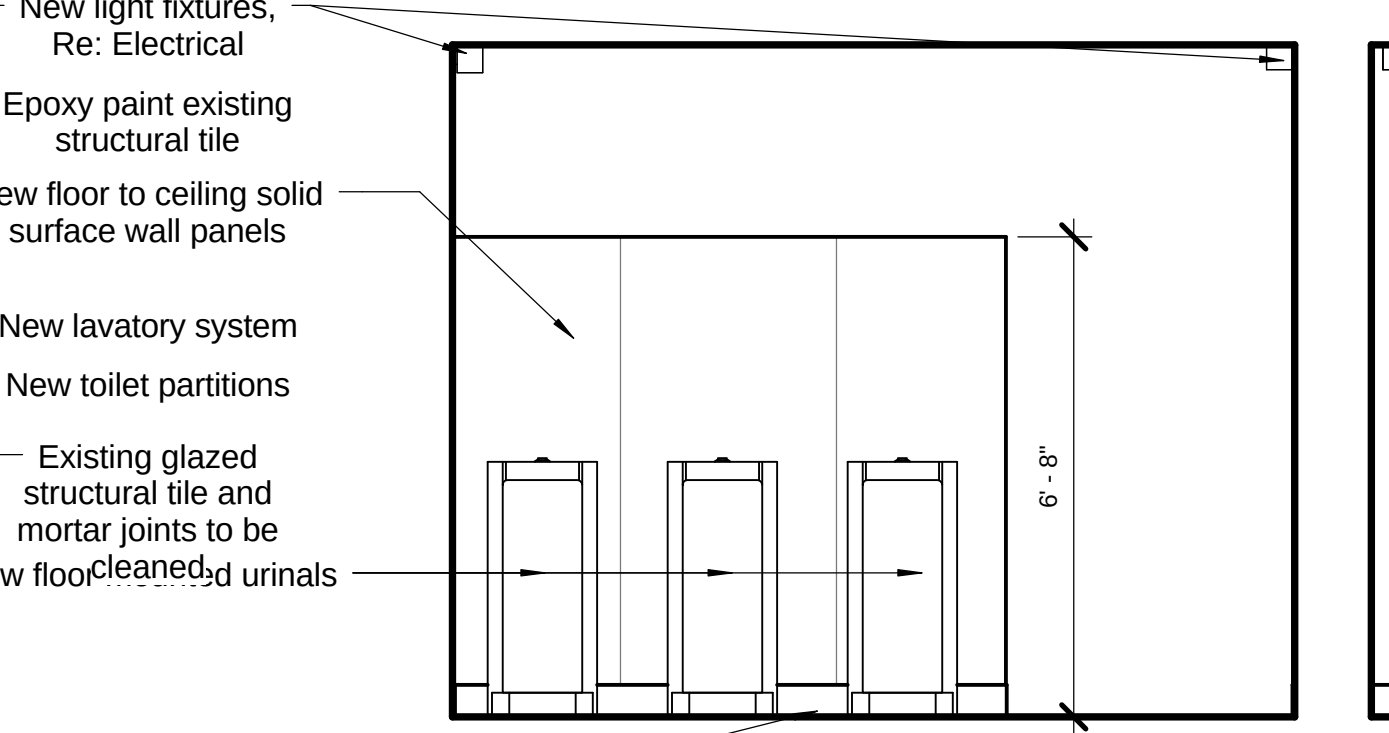
2 Girls A-138 & Boys A-139 Renovation Plan
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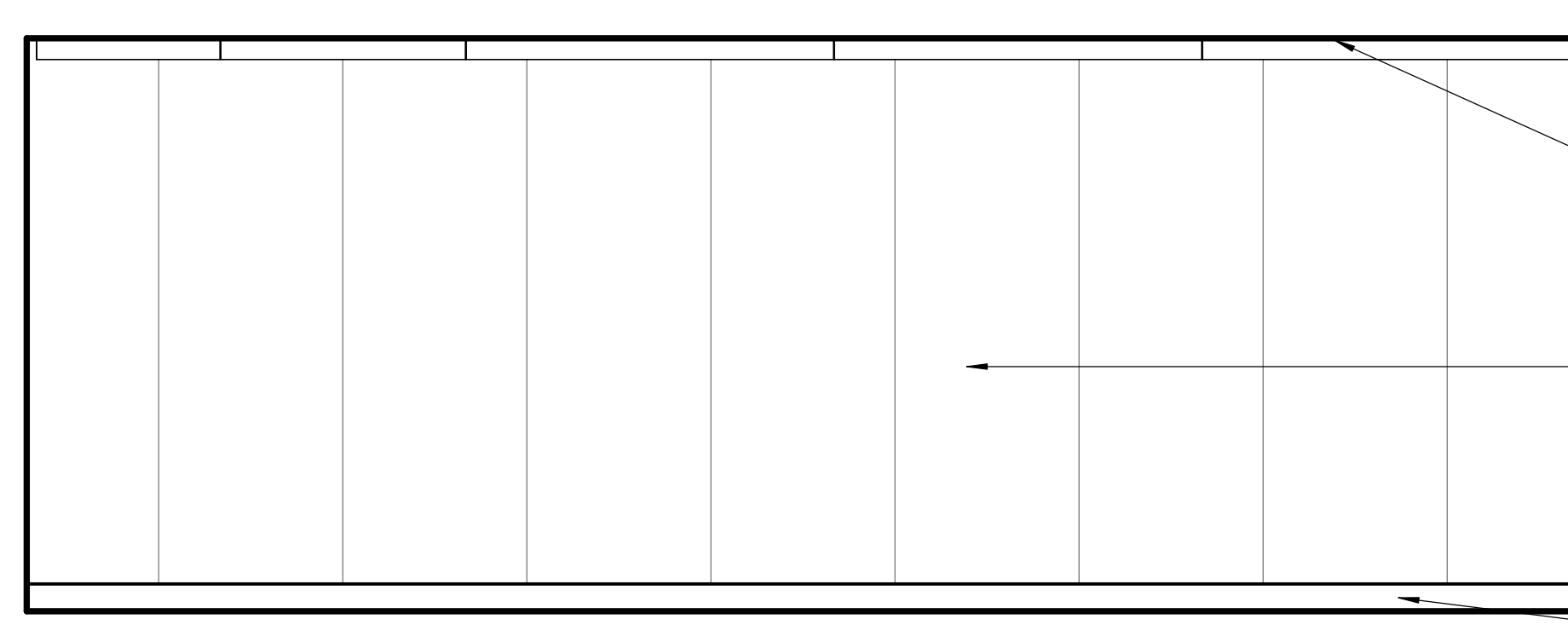
4 Girls A-138 & Boys A-139 Renovation RCP
1/4" = 1'-0" 0' 4'



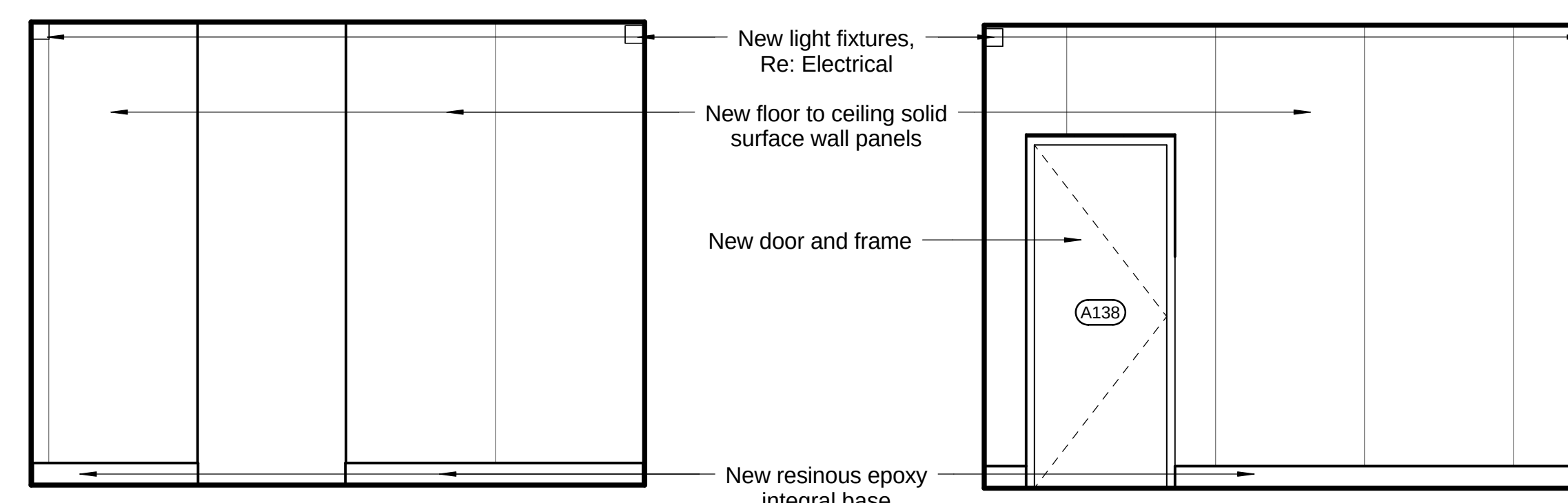
11 Boys A-139
3/8" = 1'-0" 0' 2'



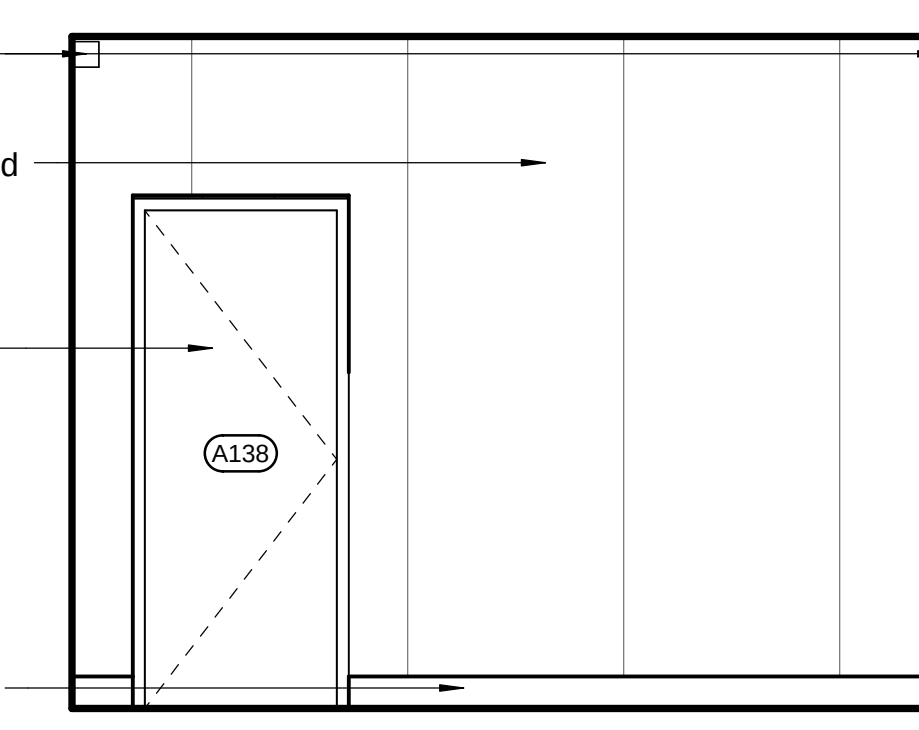
12 Boys A-139
3/8" = 1'-0" 0' 2'



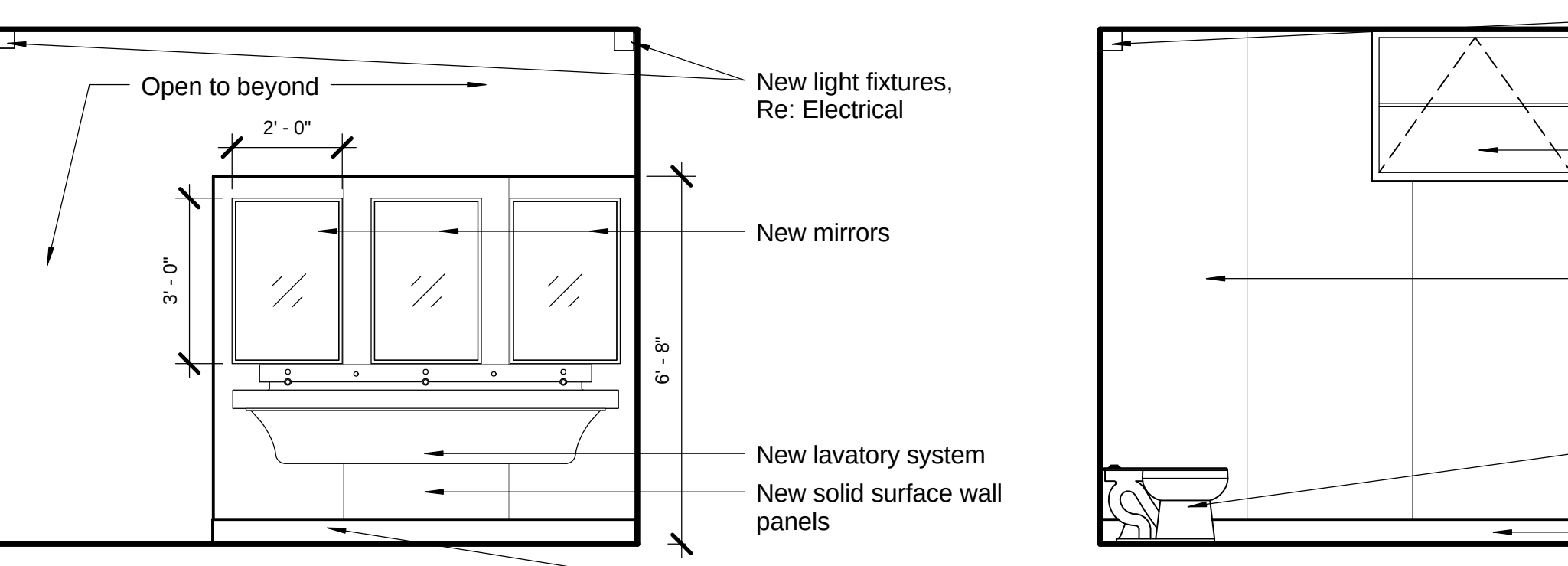
13 Boys A-139
3/8" = 1'-0" 0' 2'



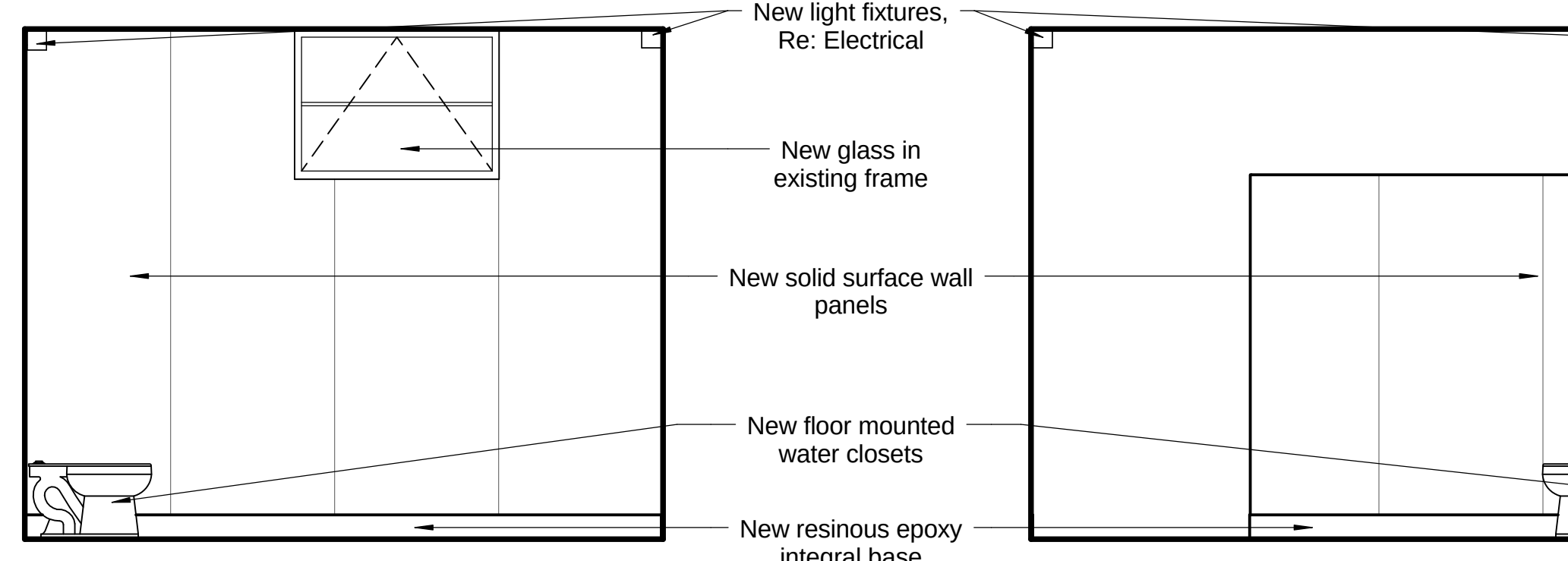
9 Girls A-138
3/8" = 1'-0" 0' 2'



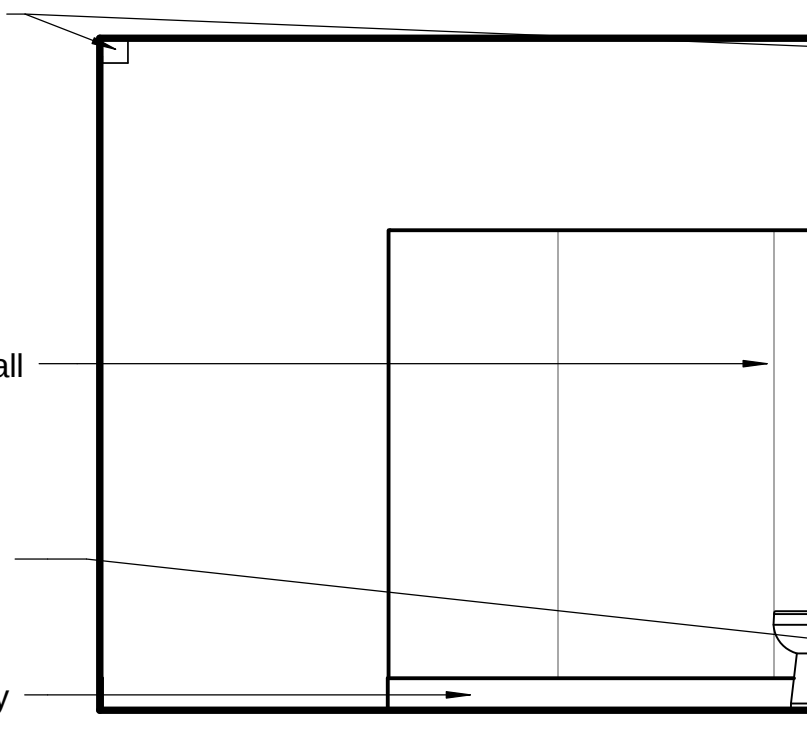
10 Girls A-138
3/8" = 1'-0" 0' 2'



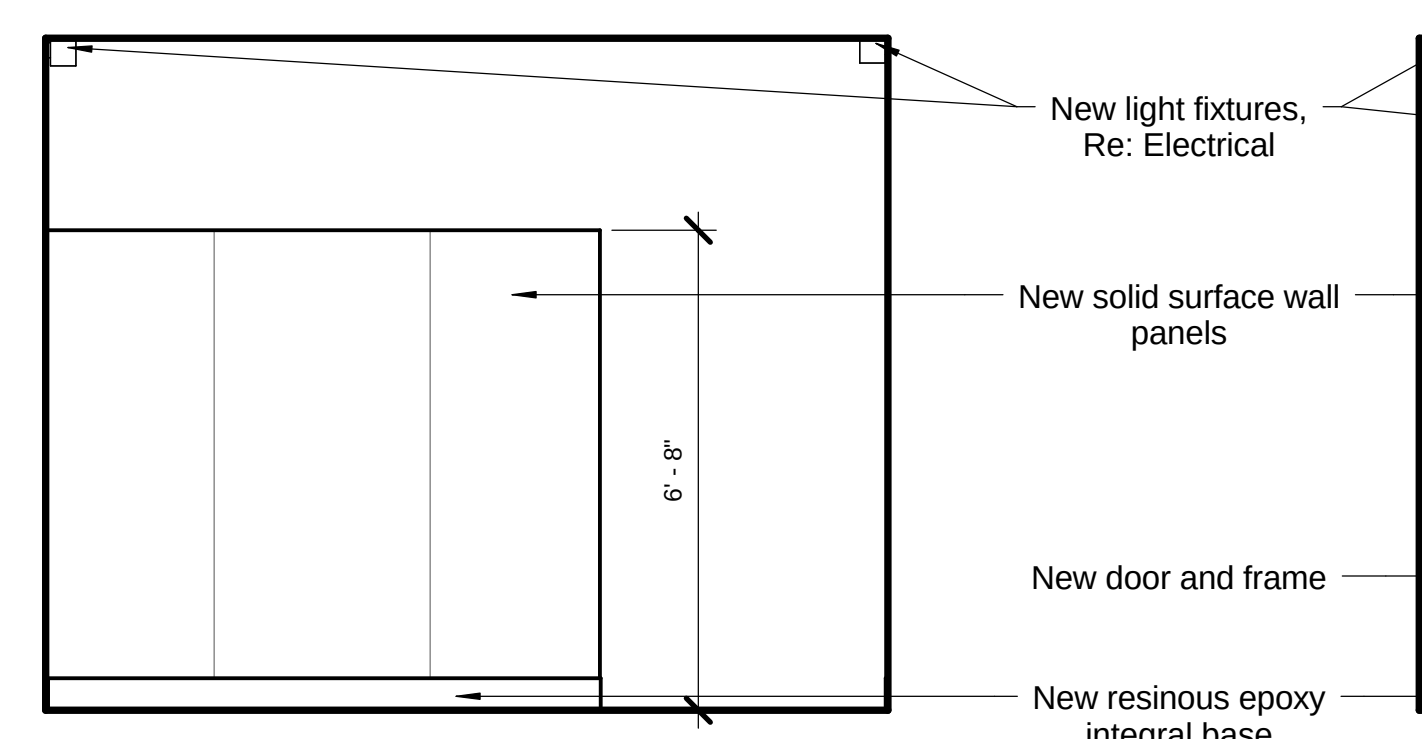
14 Boys A-139
3/8" = 1'-0" 0' 2'



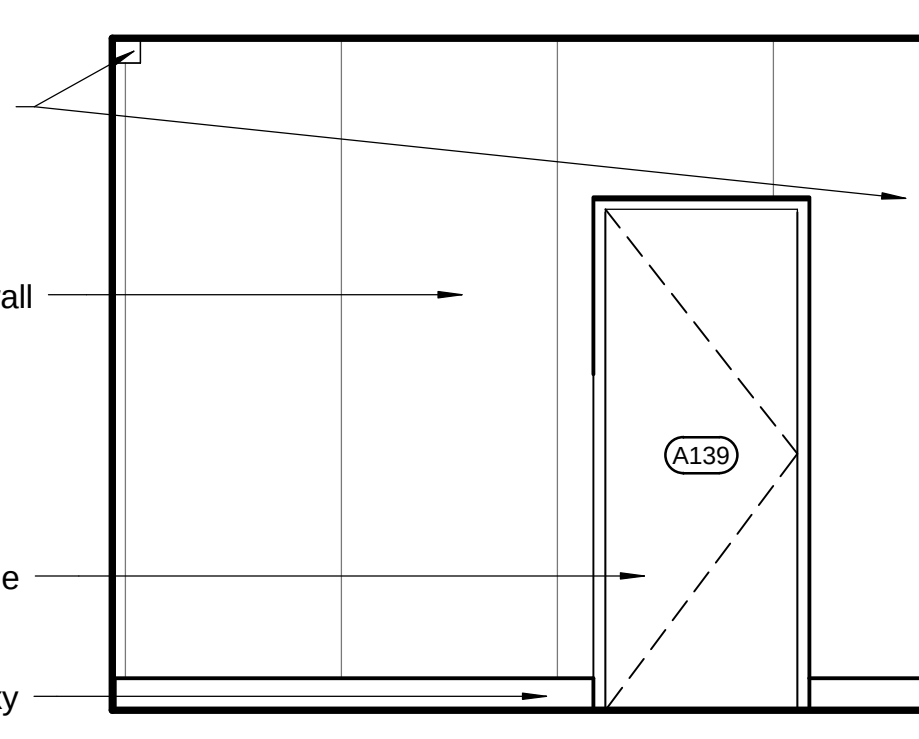
15 Boys A-139
3/8" = 1'-0" 0' 2'



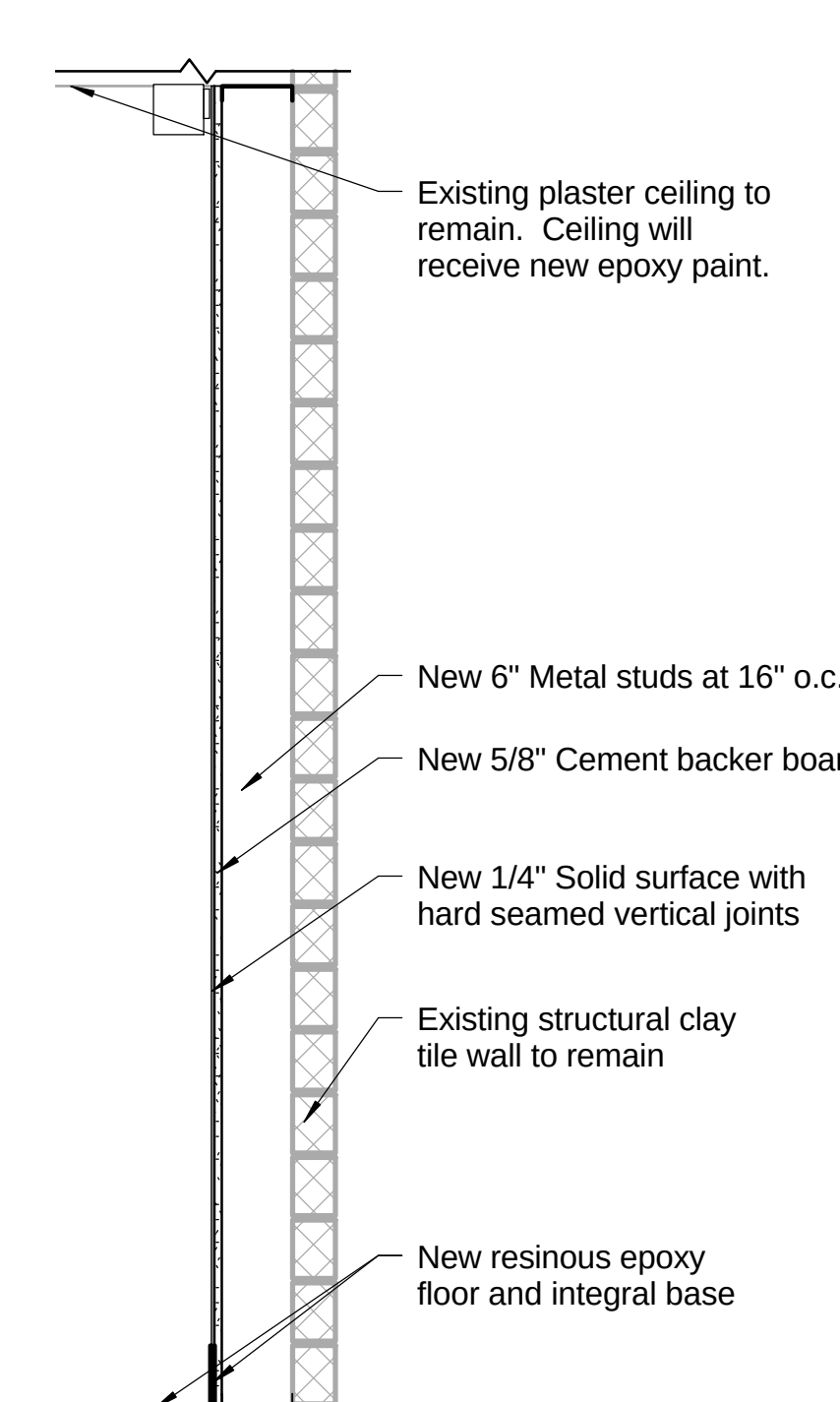
16 Boys A-139
3/8" = 1'-0" 0' 2'



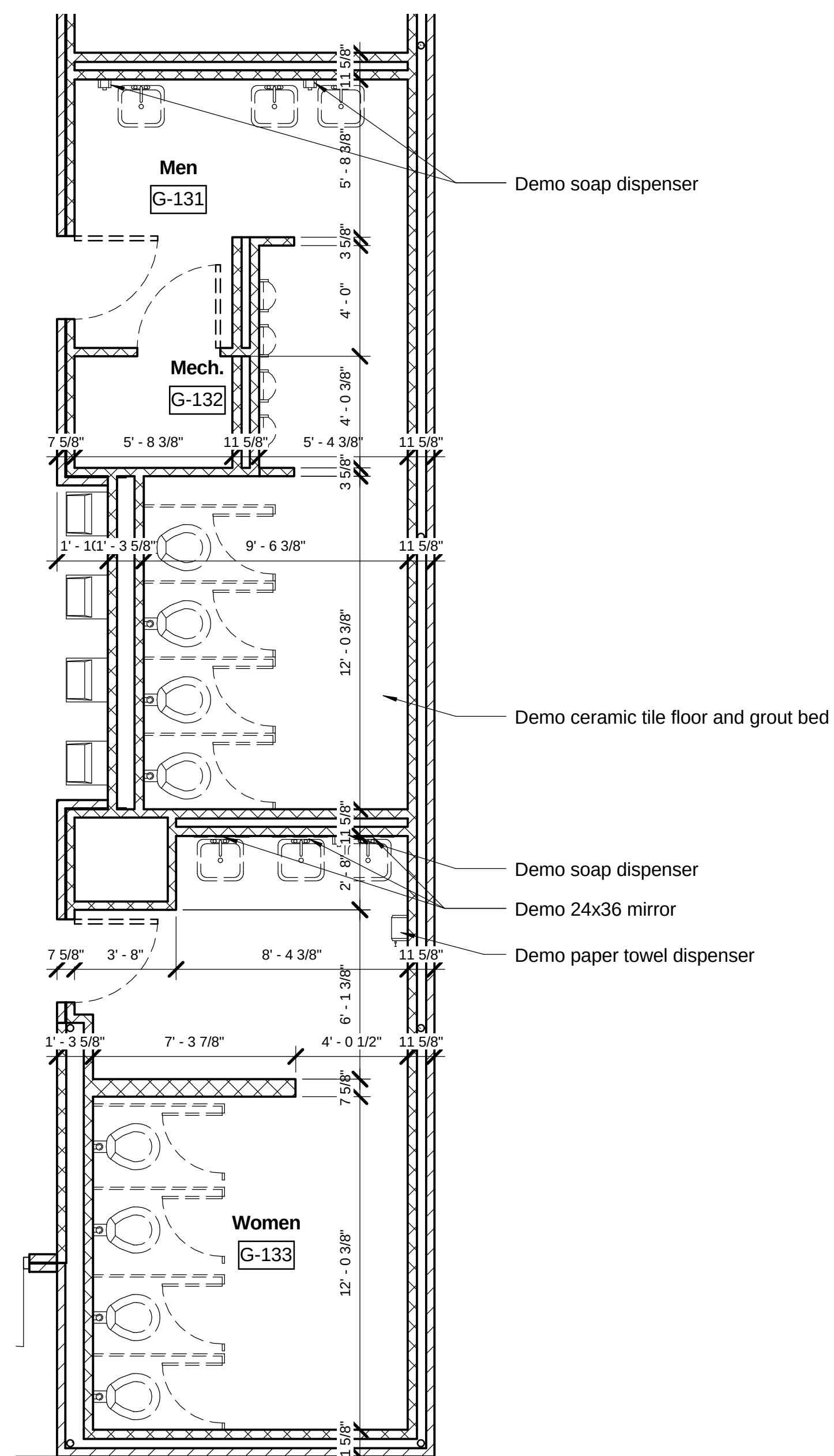
17 Boys A-139
3/8" = 1'-0" 0' 2'



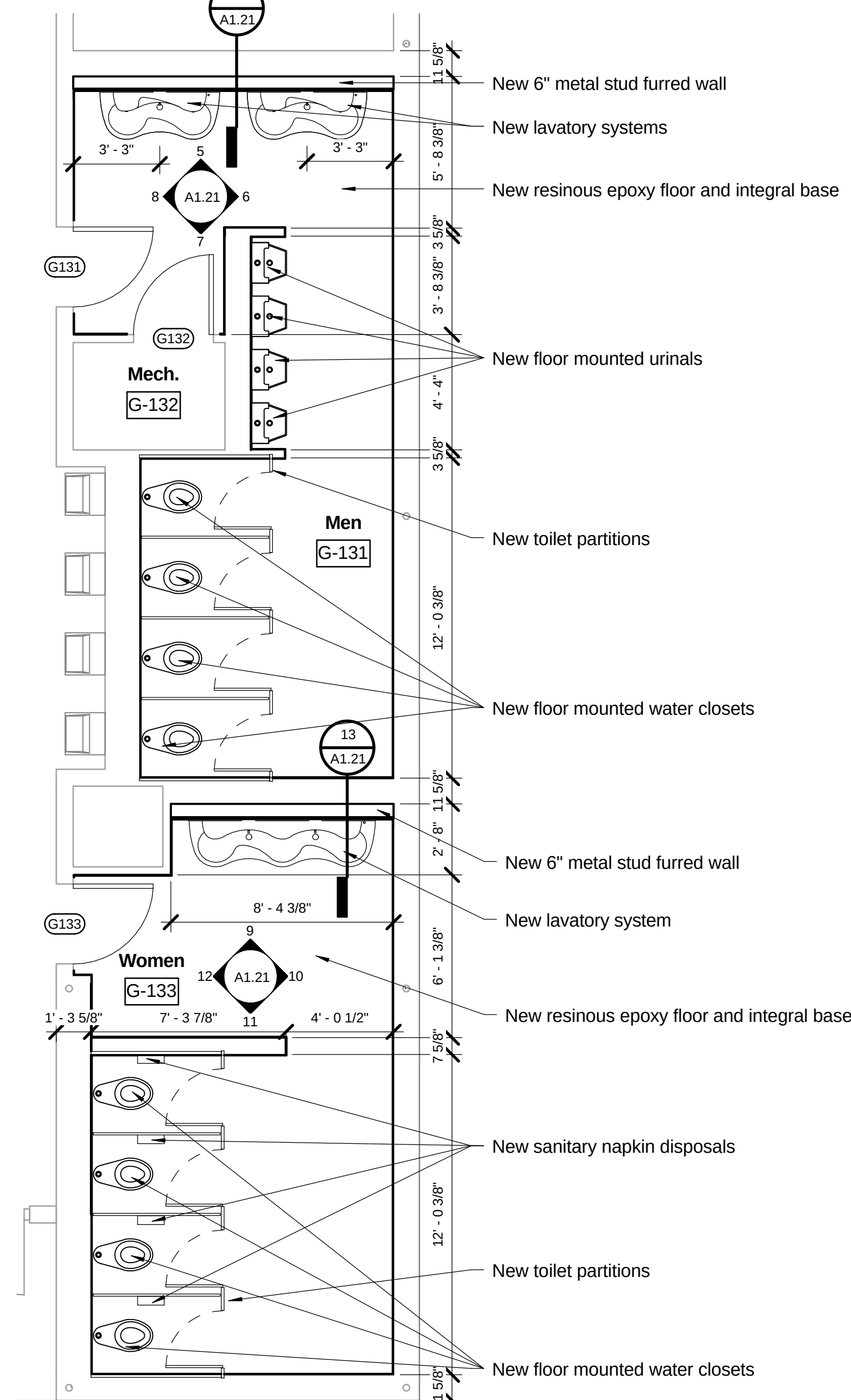
18 Boys A-139
3/8" = 1'-0" 0' 2'



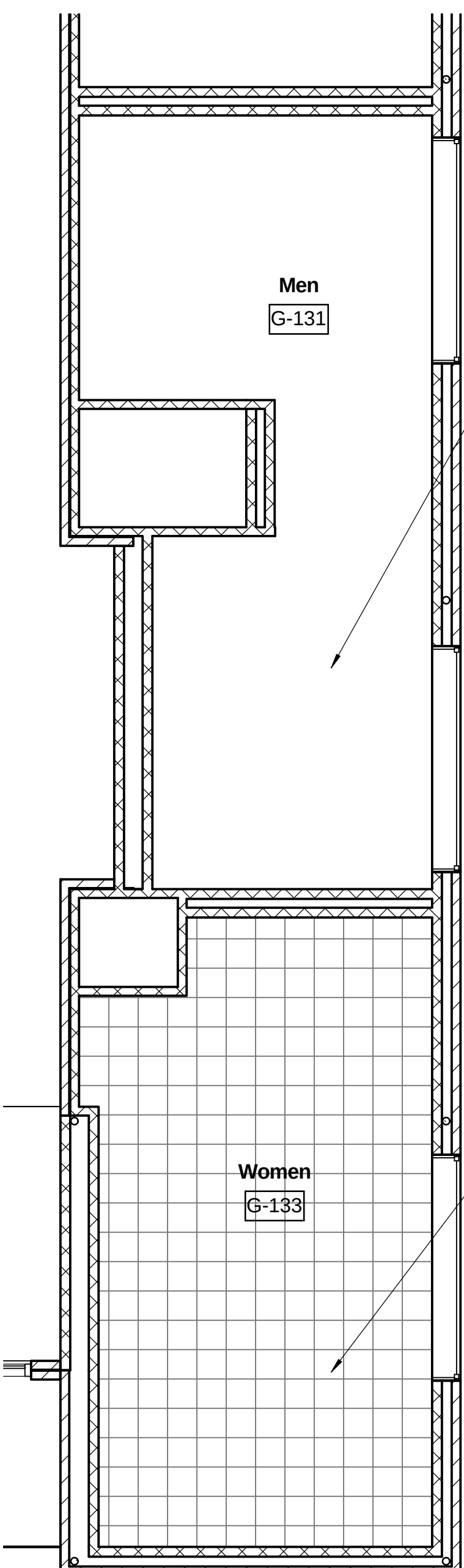
19 Furred Wall
3/4" = 1'-0" 0' 1'



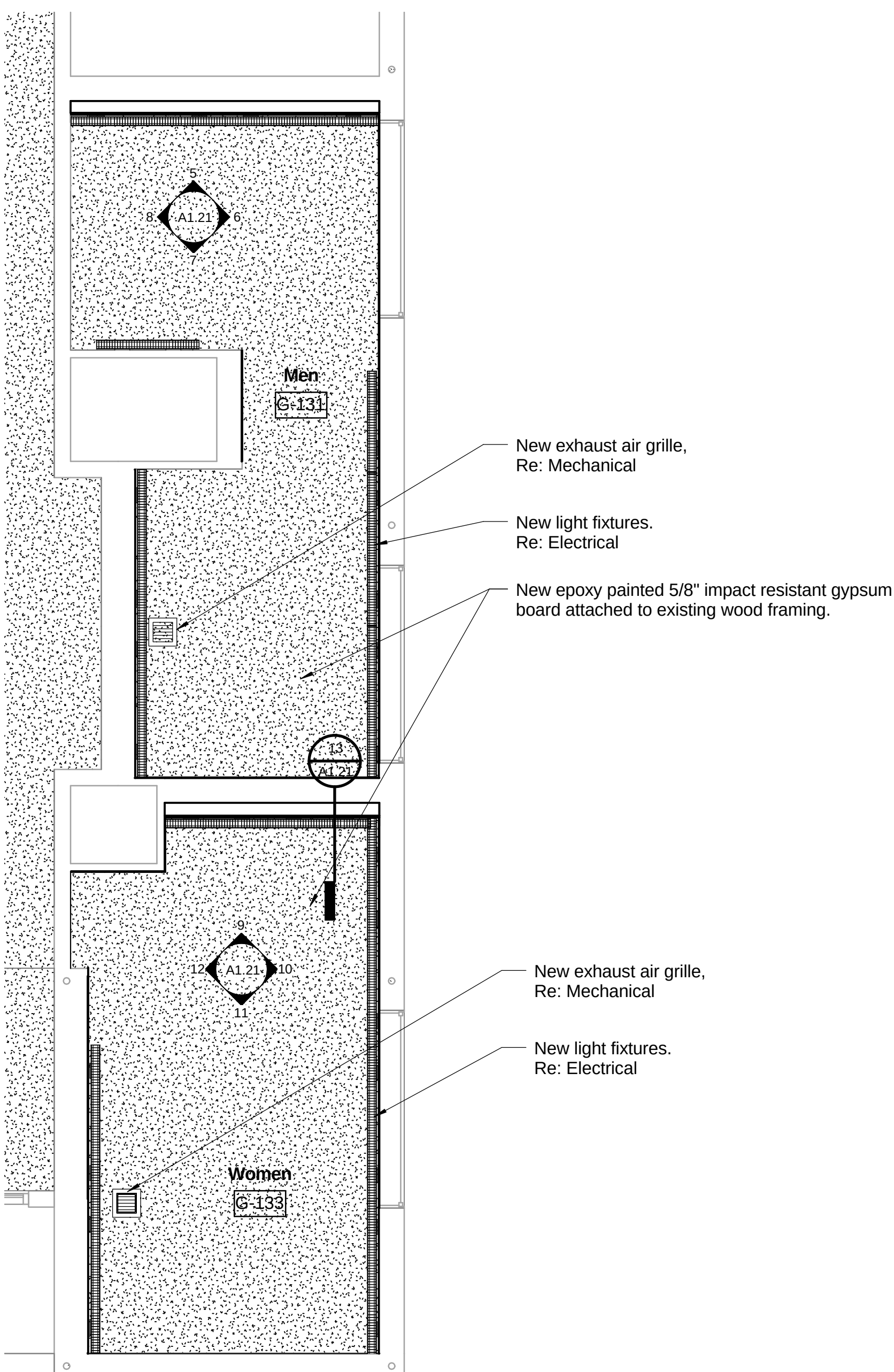
1 Men G-131 & Women G-133 Demolition Plan
1/4" = 1'-0" 0' 2' 4'



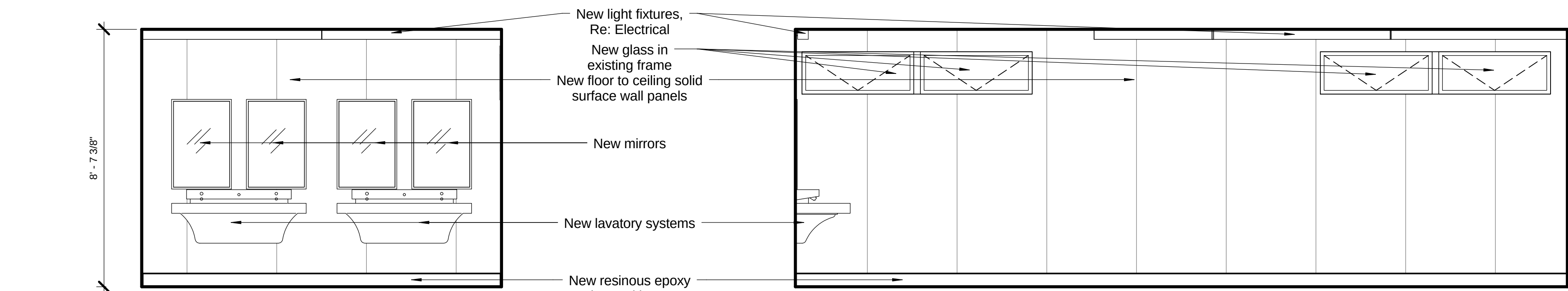
2 Men G-131 & Women G-133 Renovation Plan
1/4" = 1'-0" 0' 2' 4'



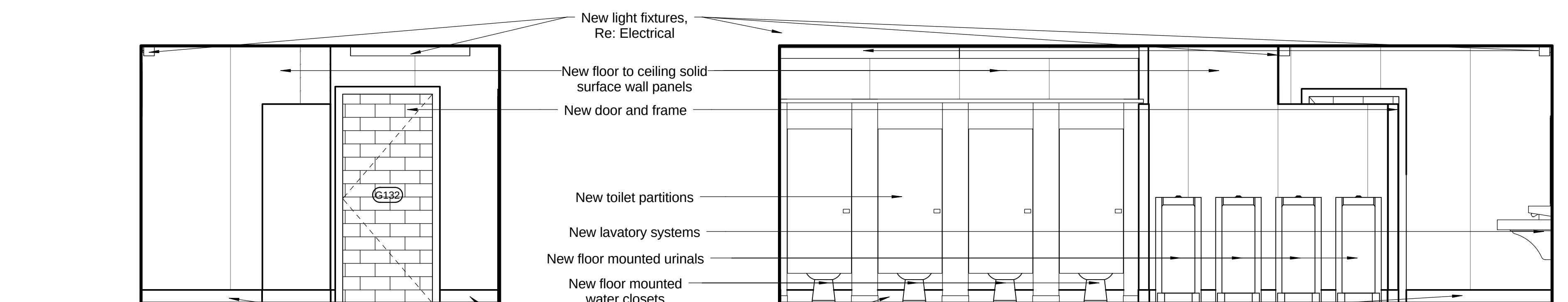
3 Men G-131 & Women G-133 Demolition RCP
1/4" = 1'-0" 0' 2' 4'



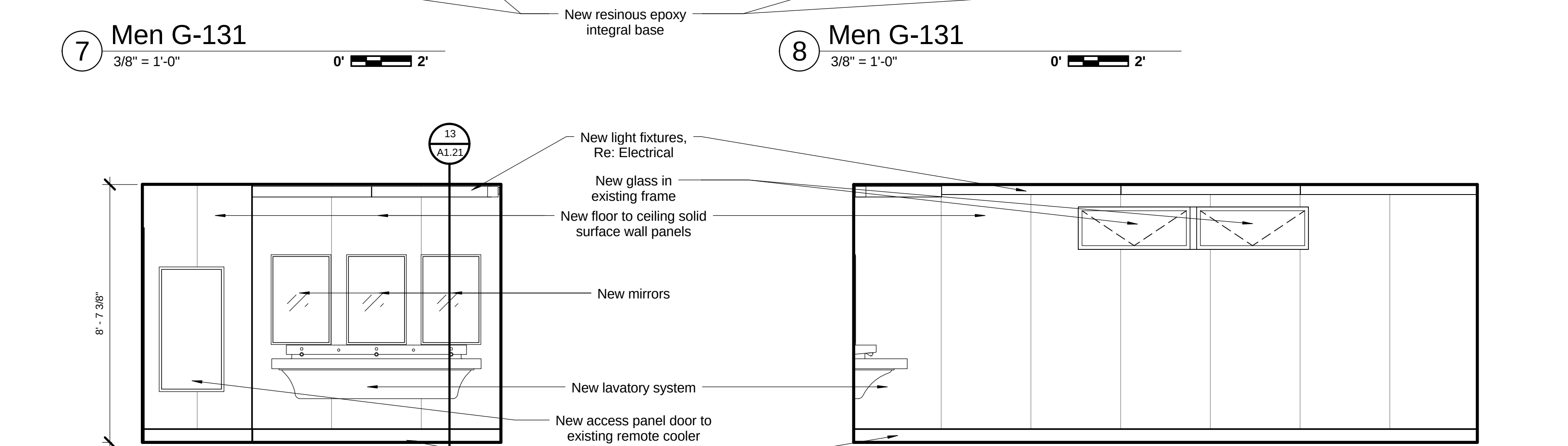
4 Men G-131 & Women G-133 Renovation RCP
1/4" = 1'-0" 0' 2' 4'



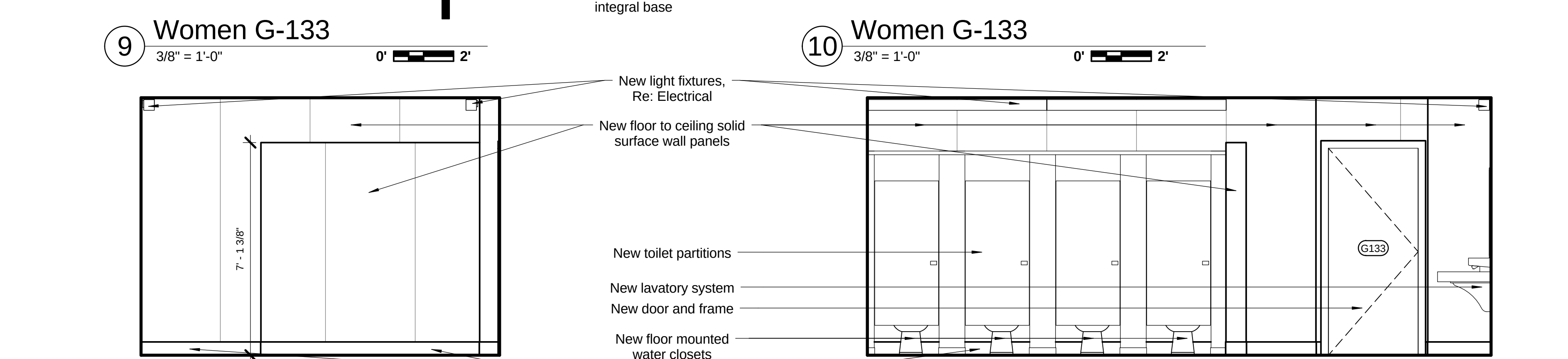
5 Men G-131
3/8" = 1'-0" 0' 2'



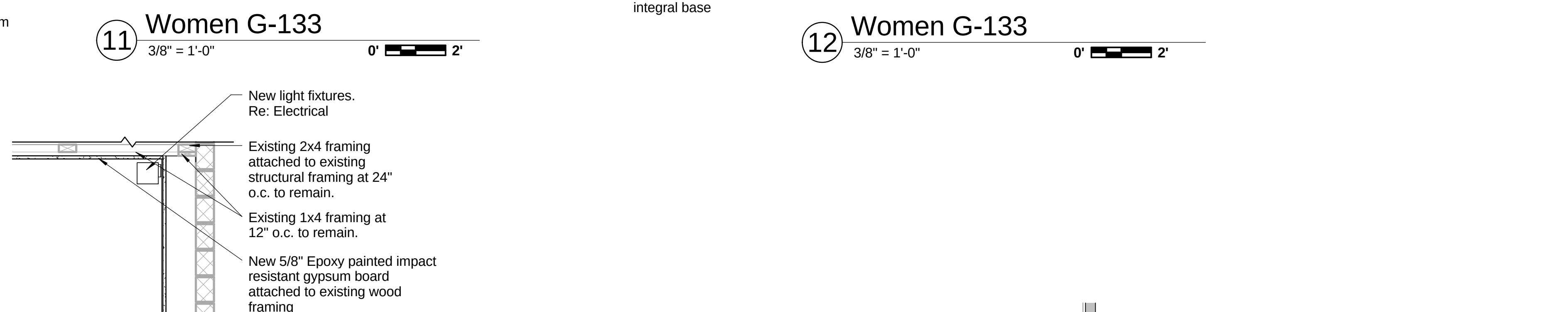
6 Men G-131
3/8" = 1'-0" 0' 2'



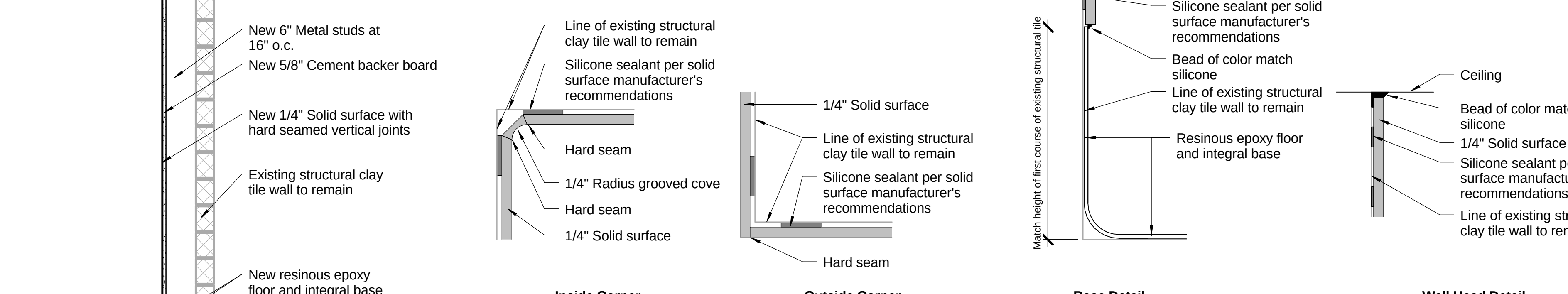
7 Men G-131
3/8" = 1'-0" 0' 2'



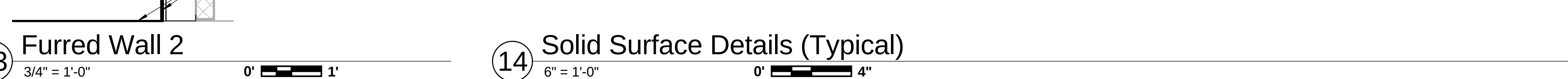
8 Men G-131
3/8" = 1'-0" 0' 2'



9 Women G-133
3/8" = 1'-0" 0' 2'



10 Women G-133
3/8" = 1'-0" 0' 2'



11 Women G-133
3/8" = 1'-0" 0' 2'



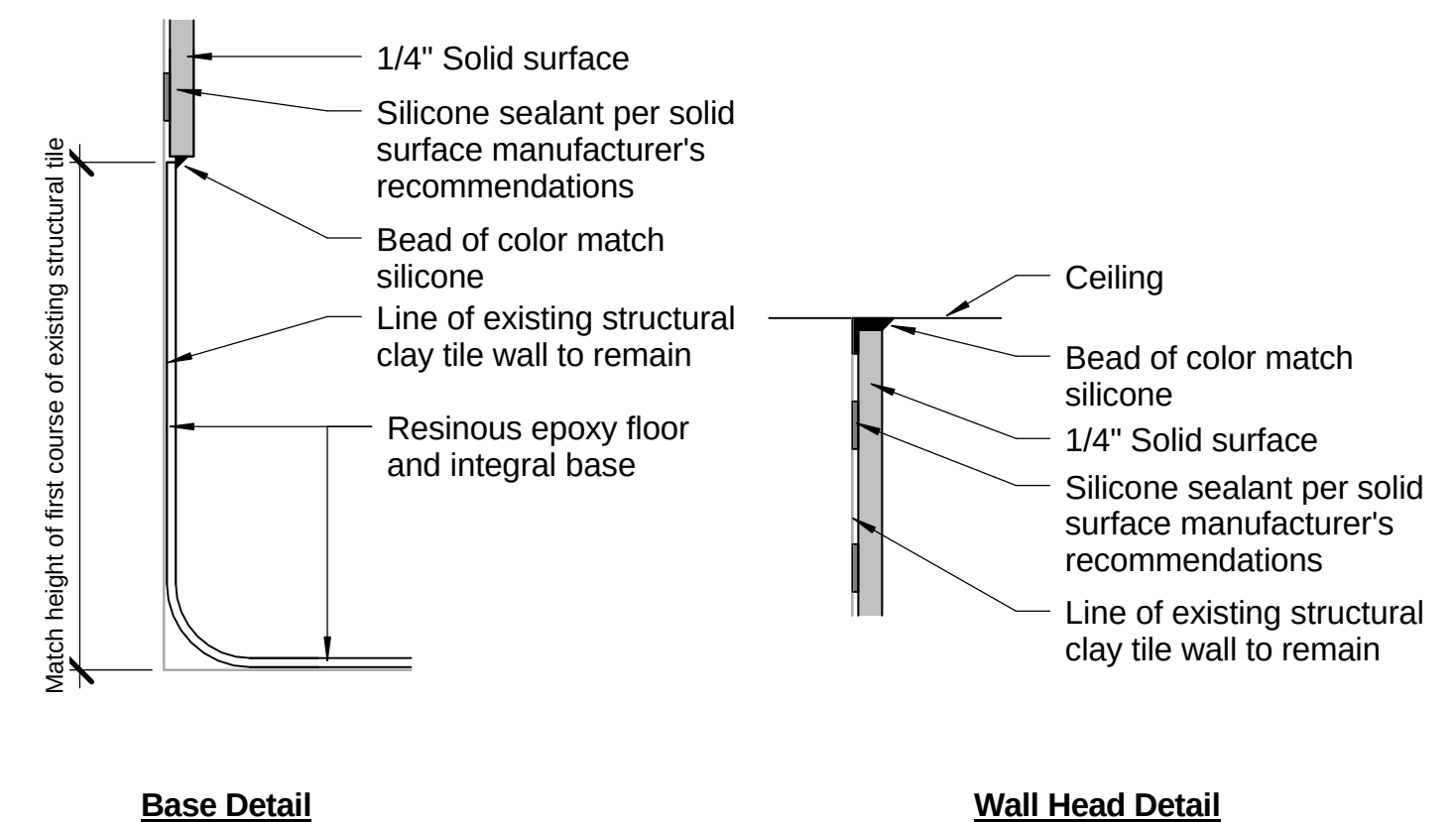
12 Women G-133
3/8" = 1'-0" 0' 2'

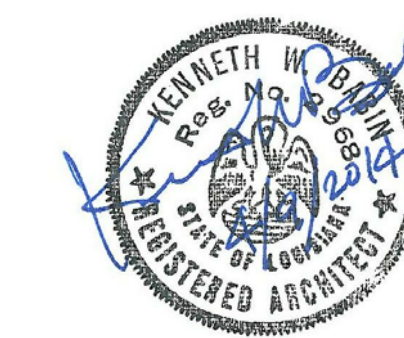


13 Furred Wall 2
3/4" = 1'-0" 0' 2' 1'



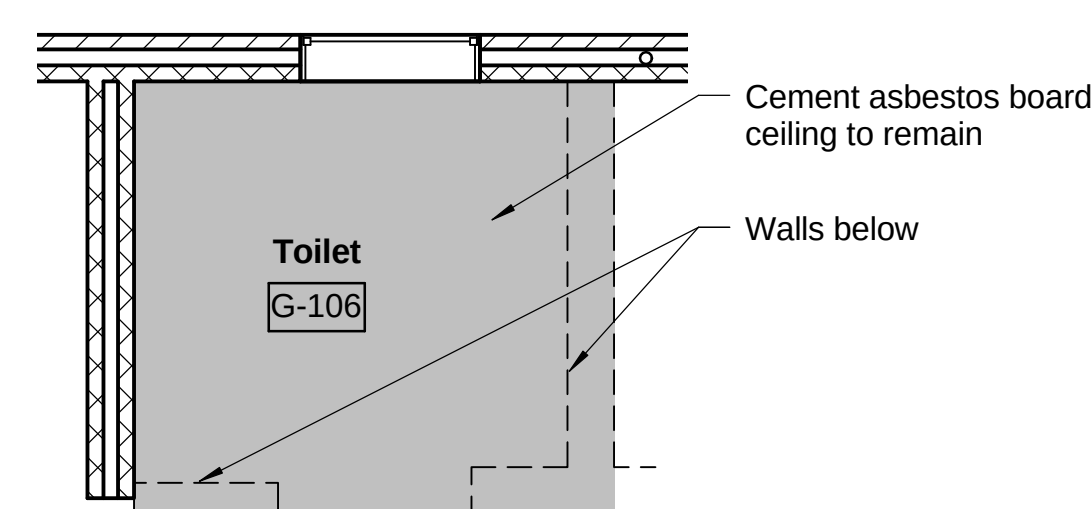
14 Solid Surface Details (Typical)
6" = 1'-0" 0' 2' 4'





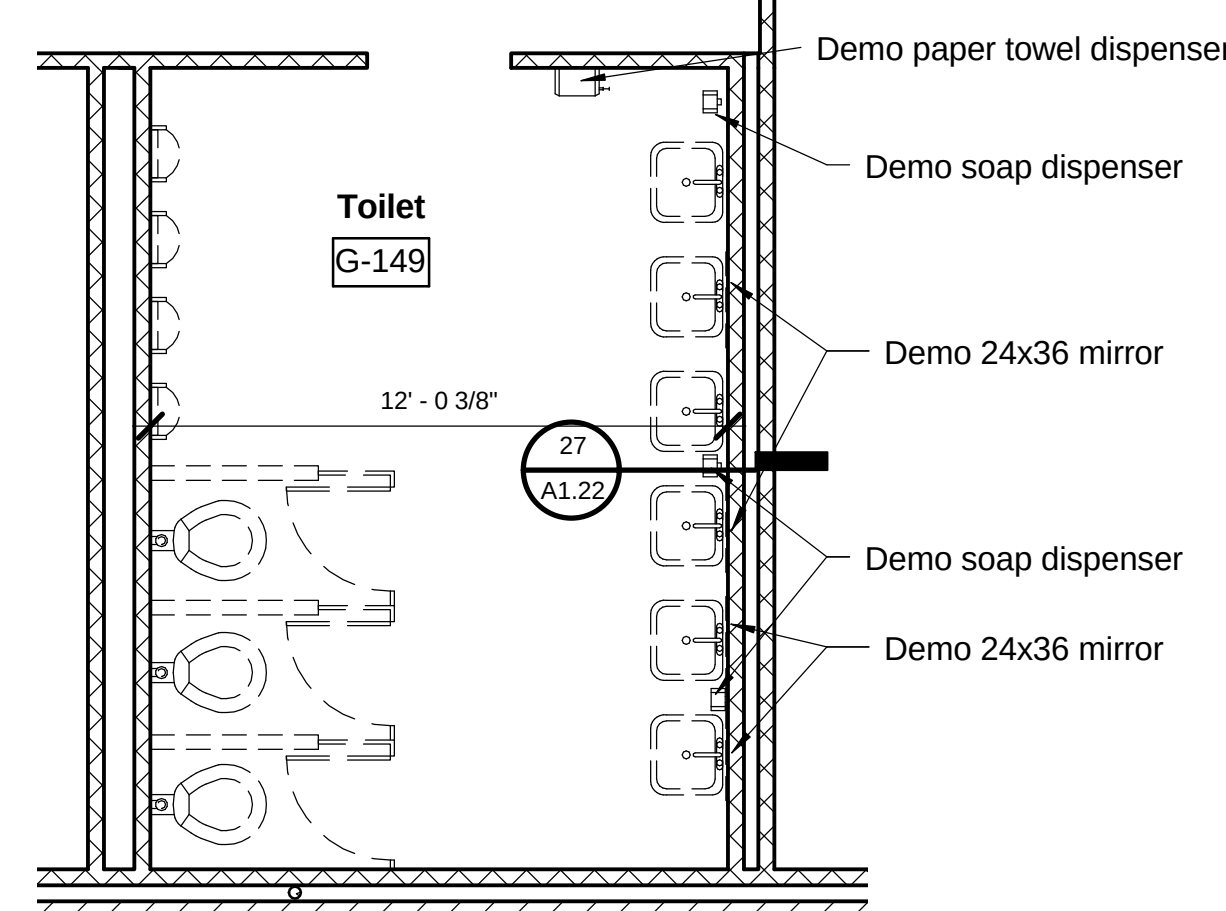
1 Toilet G-106 Demolition Plan

1/4" = 1'-0"



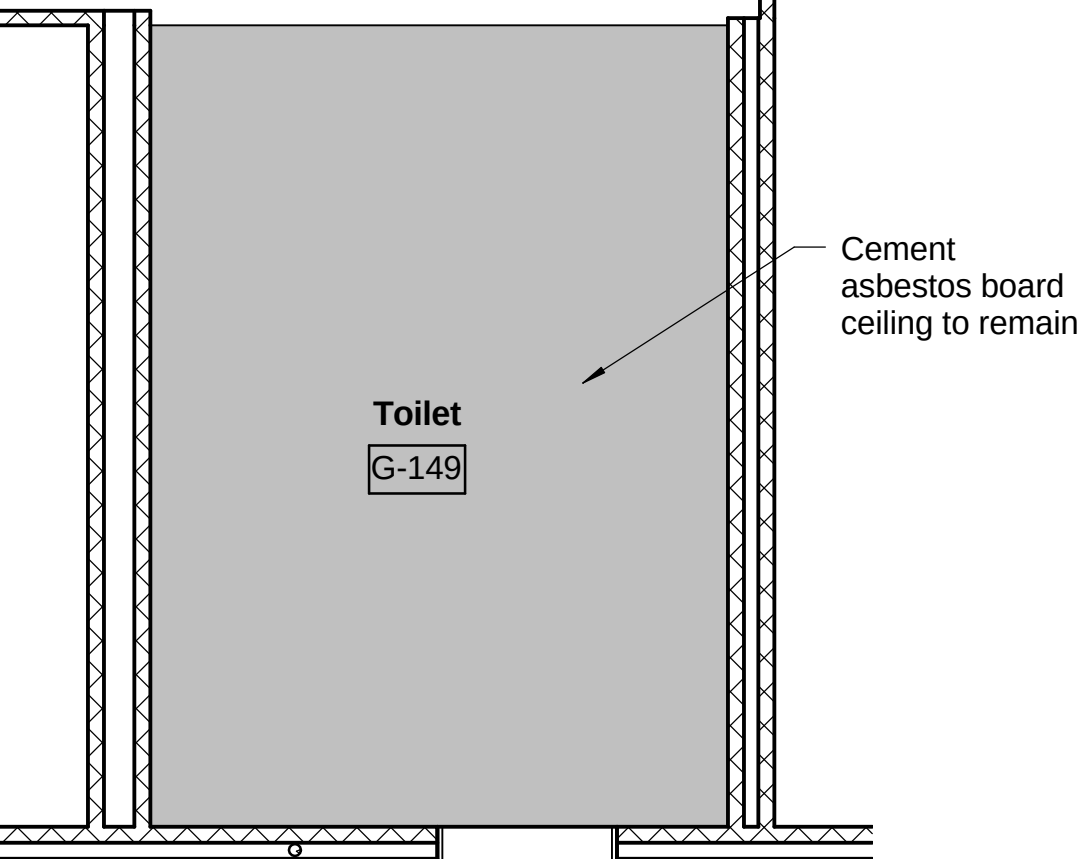
3 Toilet G-106 Demolition RCP

1/4" = 1'-0"



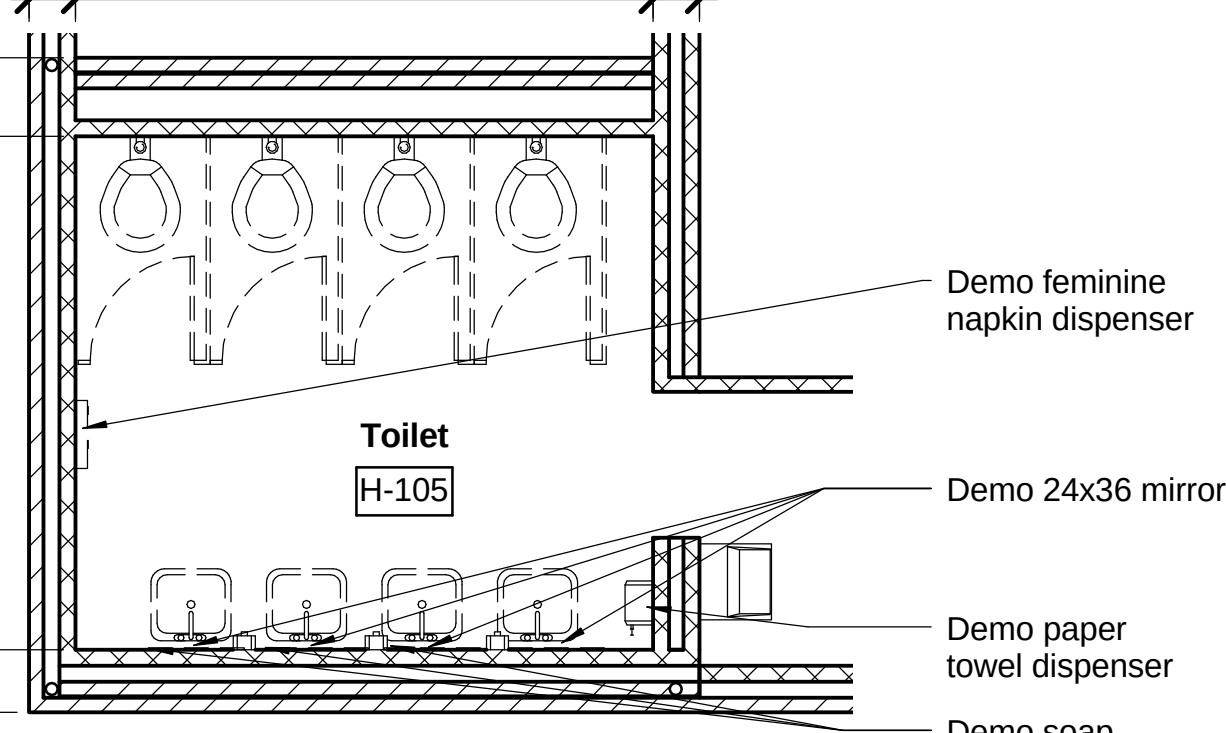
9 Toilet G-149 Demolition Plan

1/4" = 1'-0"



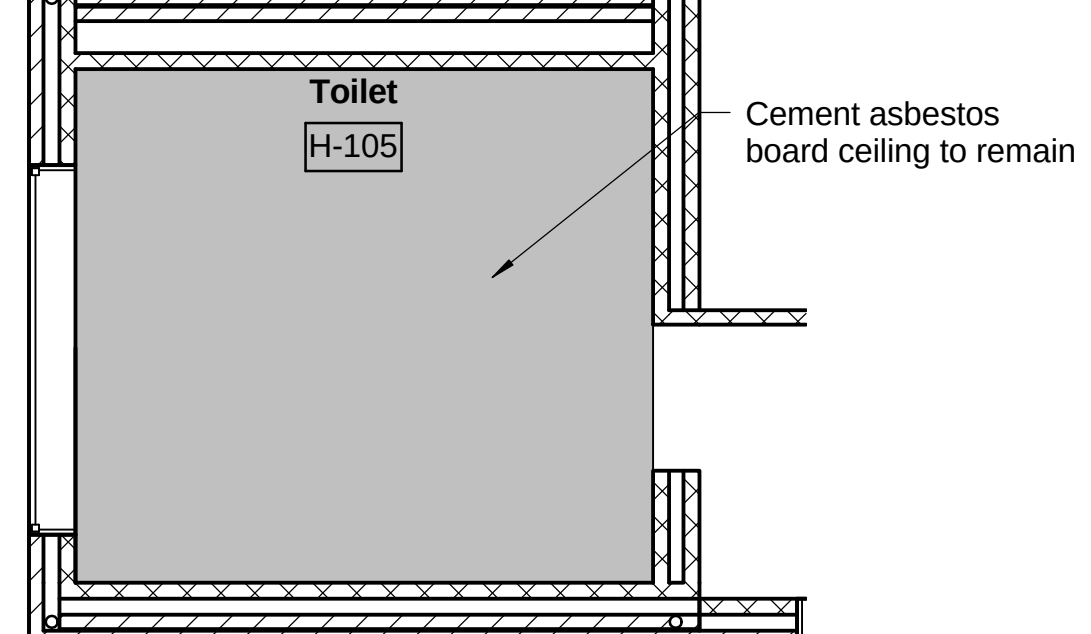
11 Toilet G-149 Demolition RCP

1/4" = 1'-0"



17 Toilet H-105 Demolition Plan

1/4" = 1'-0"



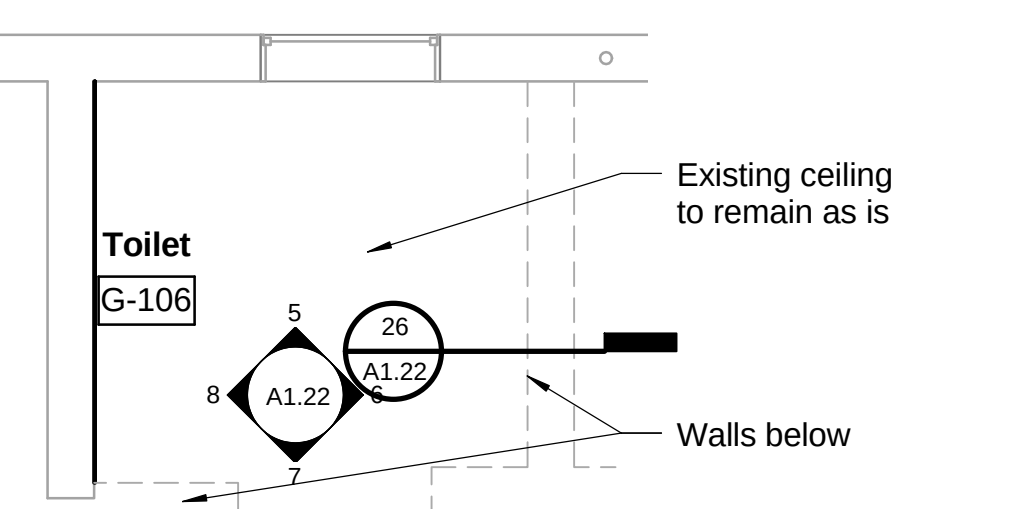
19 Toilet H-105 Demolition RCP

1/4" = 1'-0"



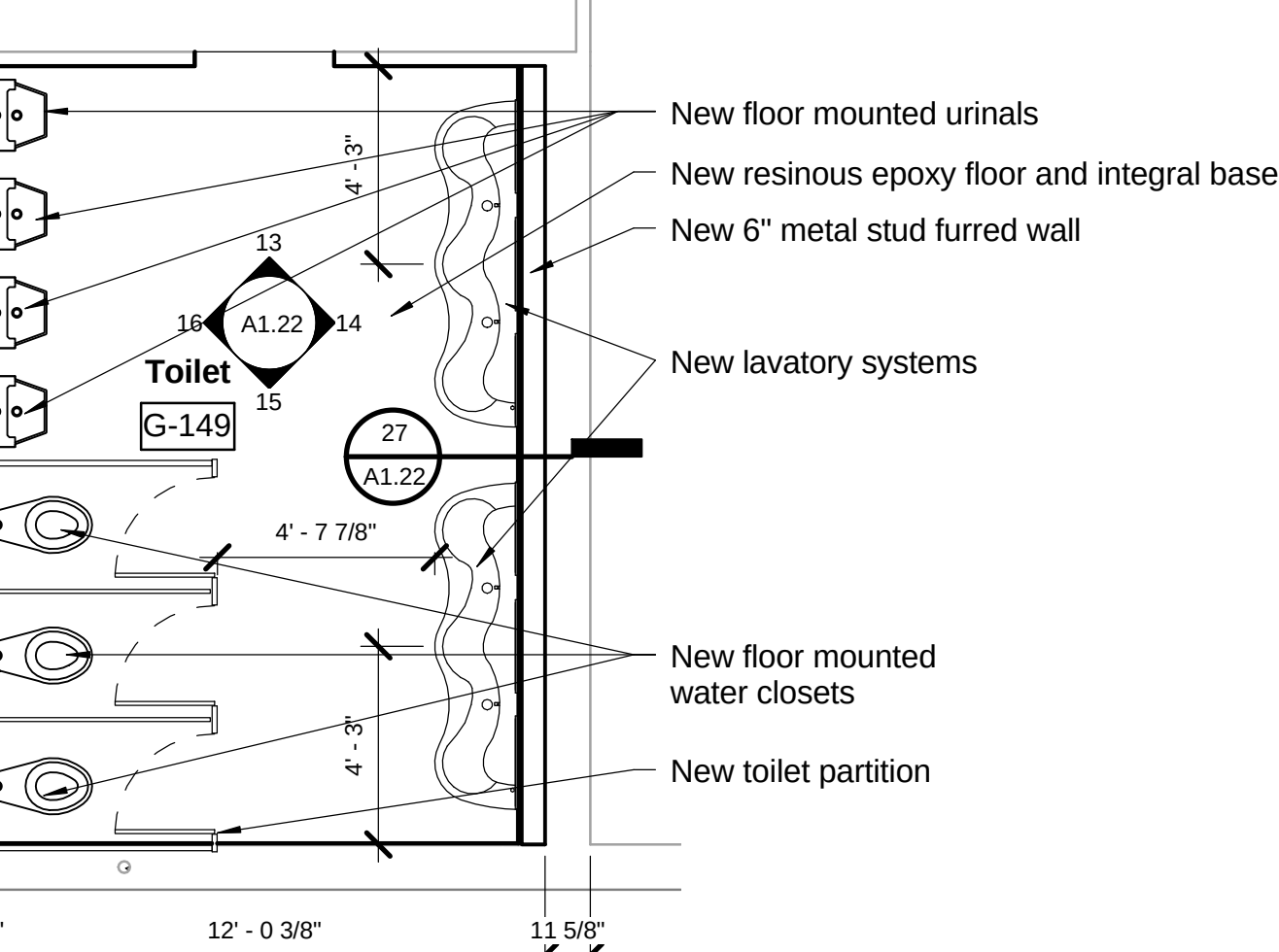
2 Toilet G-106 Renovation Plan

1/4" = 1'-0"



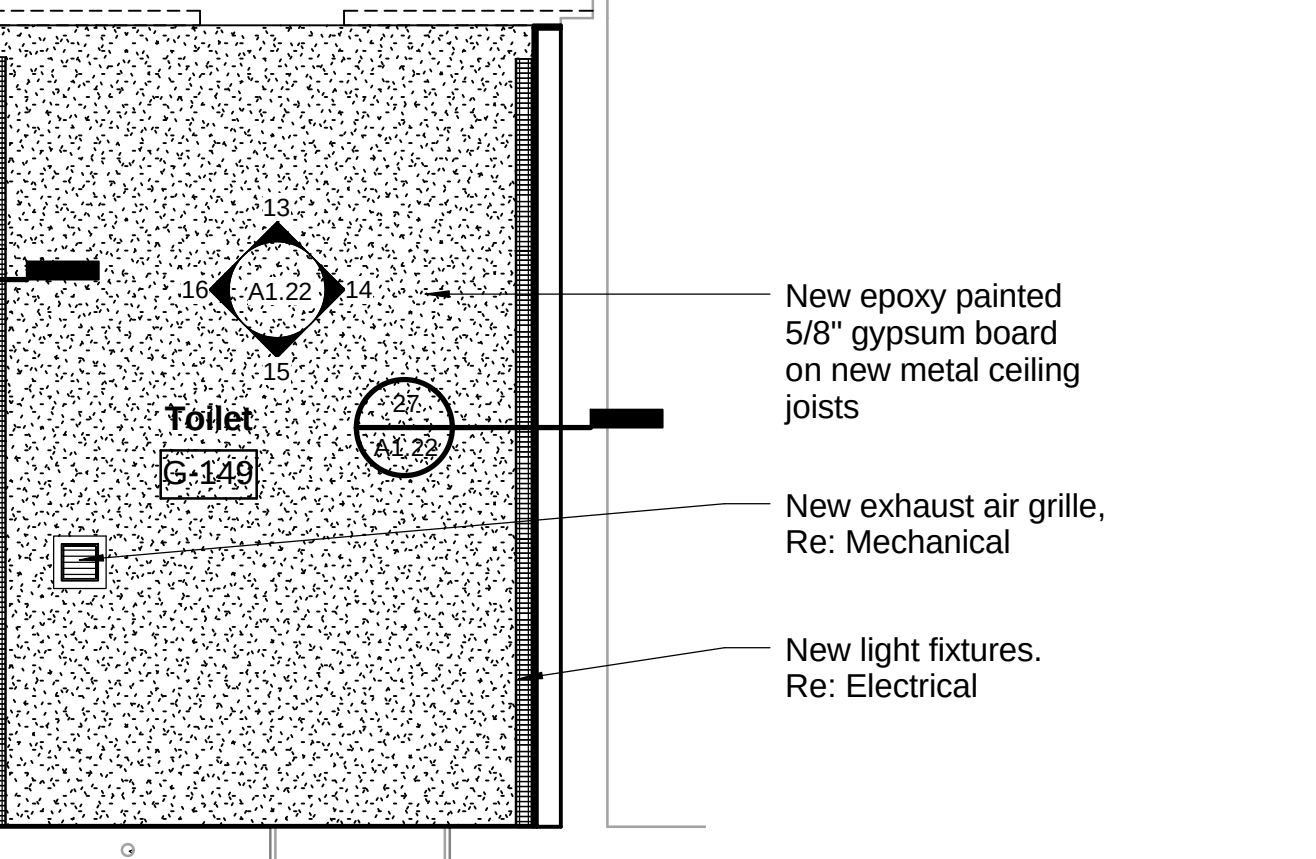
4 Toilet G-106 Renovation RCP

1/4" = 1'-0"



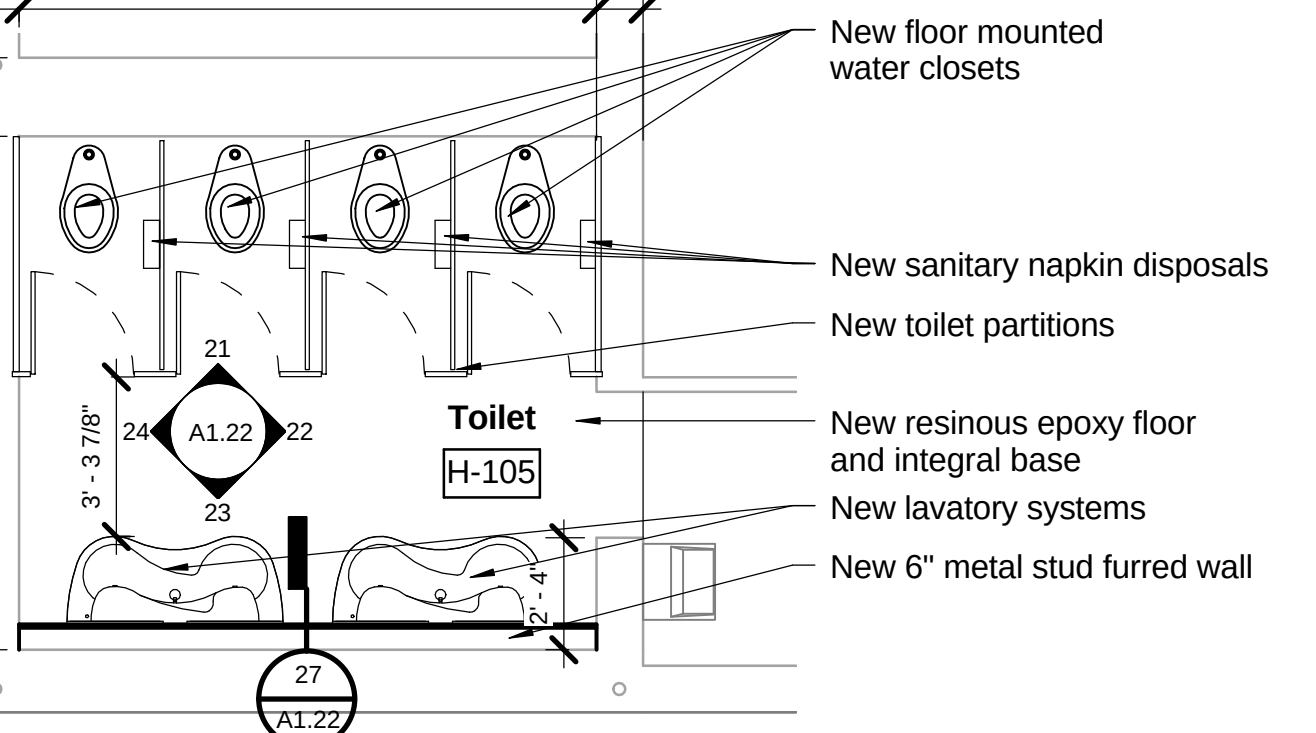
10 Toilet G-149 Renovation Plan

1/4" = 1'-0"



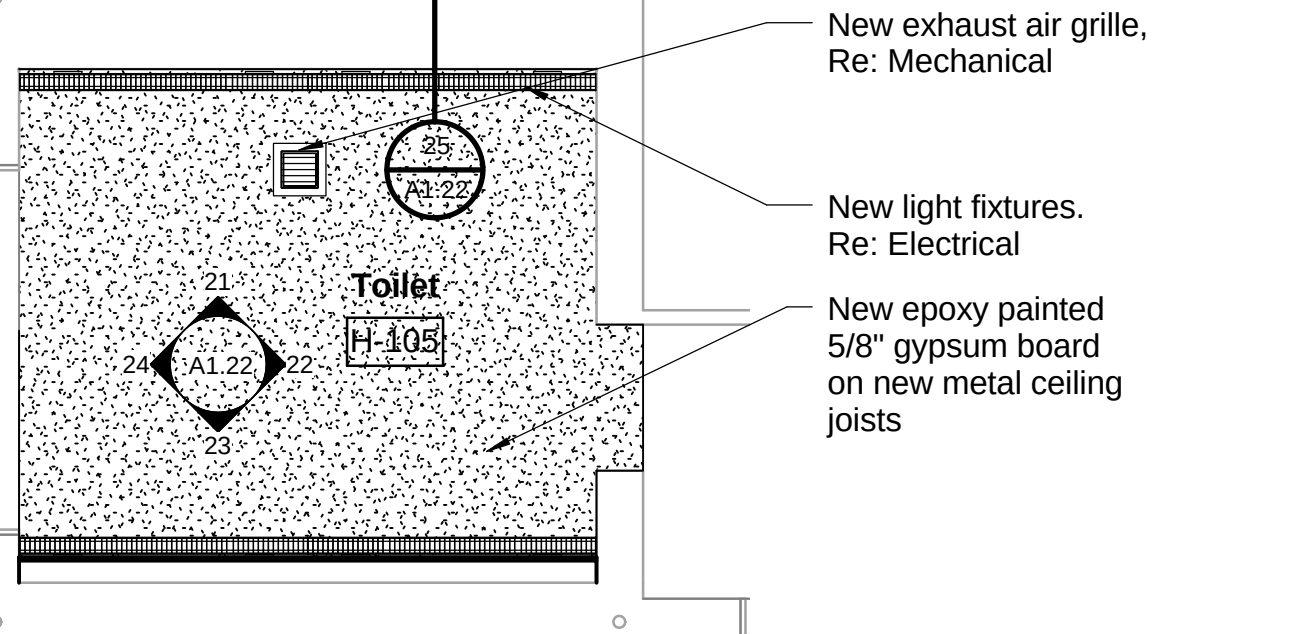
12 Toilet G-149 Renovation RCP

1/4" = 1'-0"



18 Toilet H-105 Renovation Plan

1/4" = 1'-0"



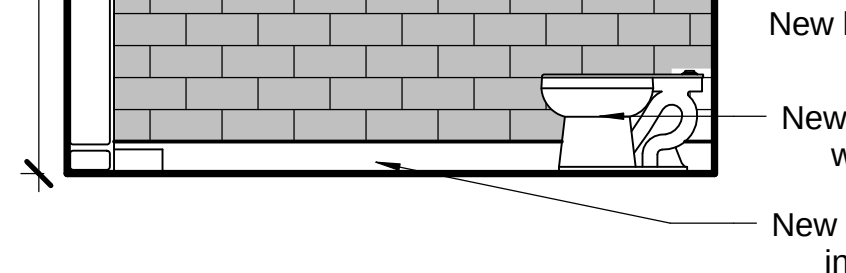
20 Toilet H-105 Renovation RCP

1/4" = 1'-0"



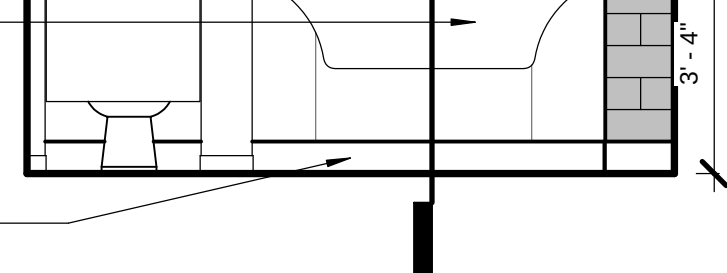
5 Toilet G-106

3/8" = 1'-0"



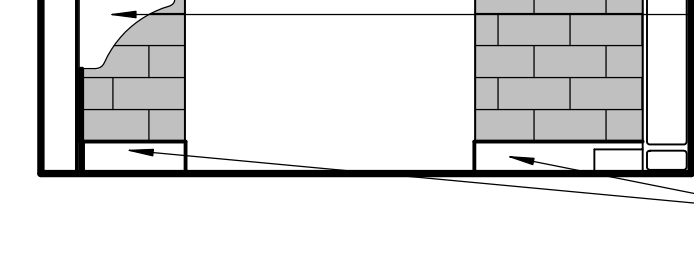
6 Toilet G-106

3/8" = 1'-0"



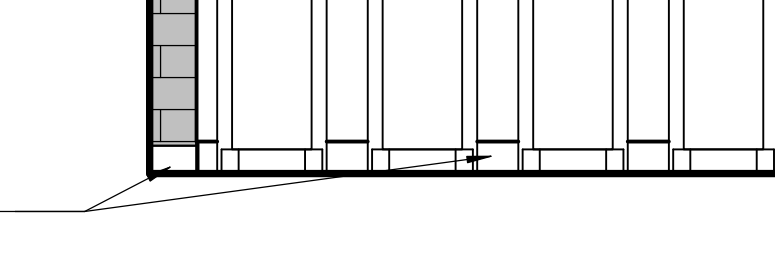
7 Toilet G-106

3/8" = 1'-0"



8 Toilet G-106

3/8" = 1'-0"



13 Toilet G-149

3/8" = 1'-0"



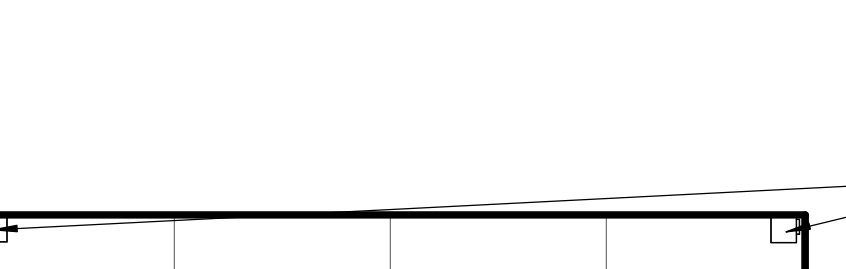
14 Toilet G-149

3/8" = 1'-0"



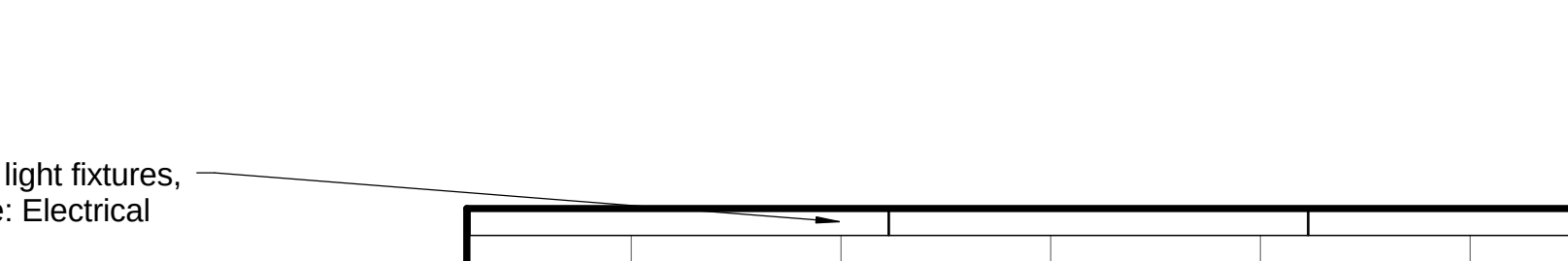
15 Toilet G-149

3/8" = 1'-0"



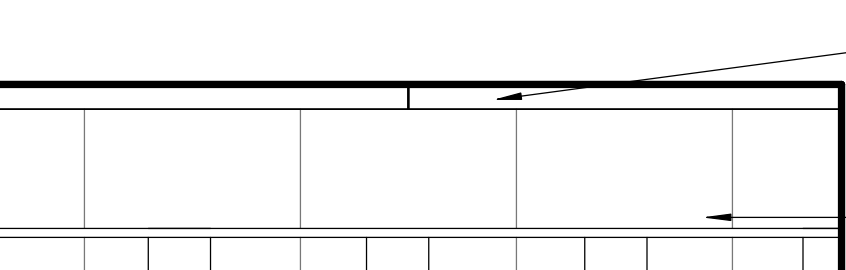
16 Toilet G-149

3/8" = 1'-0"



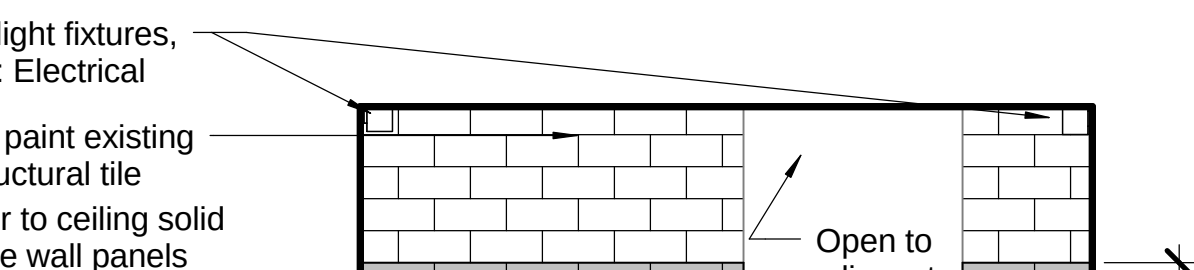
21 Toilet H-105

3/8" = 1'-0"



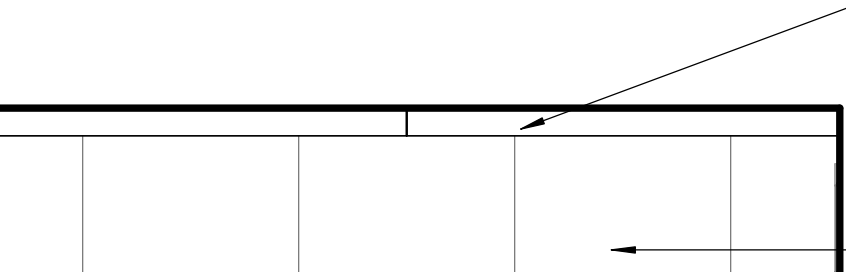
22 Toilet H-105

3/8" = 1'-0"



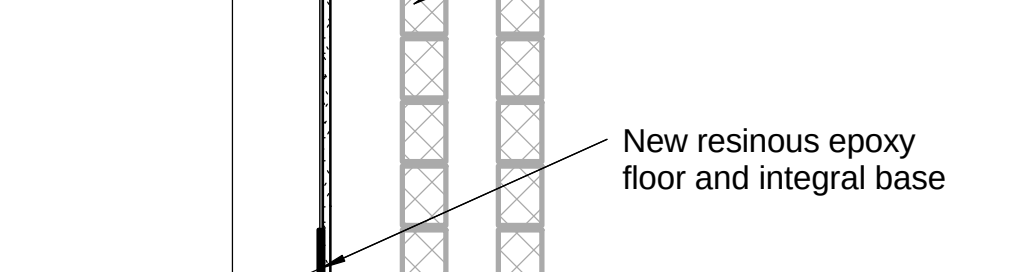
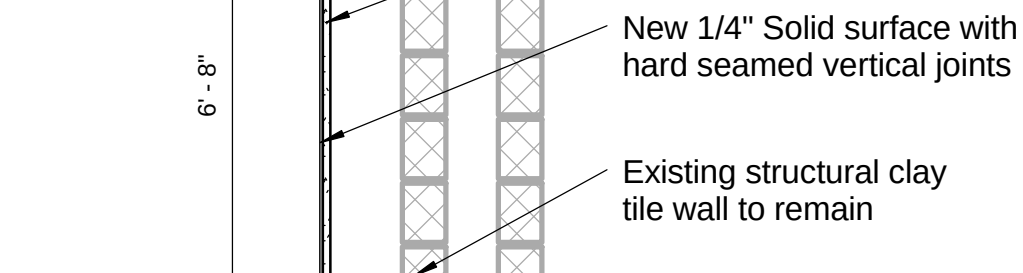
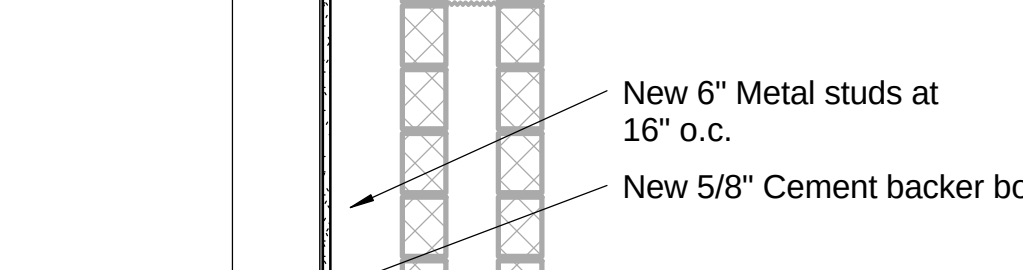
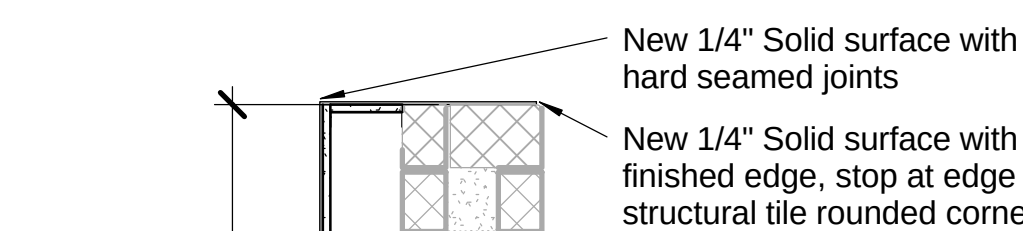
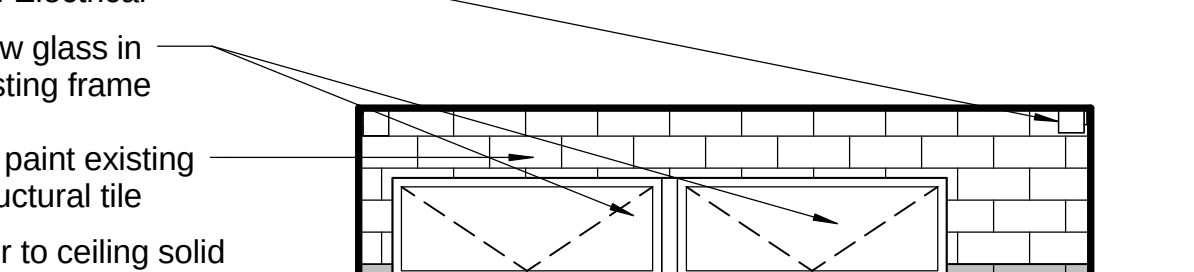
23 Toilet H-105

3/8" = 1'-0"



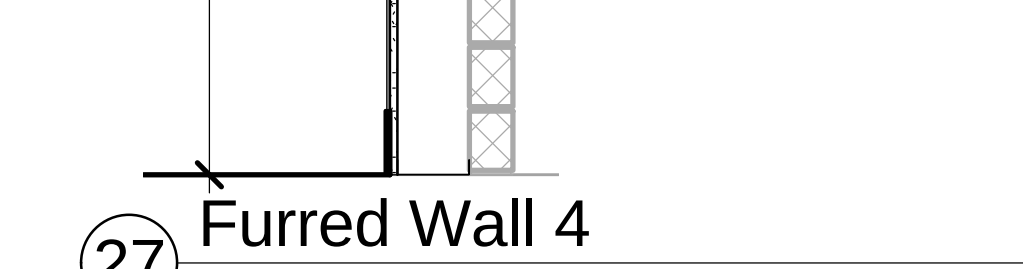
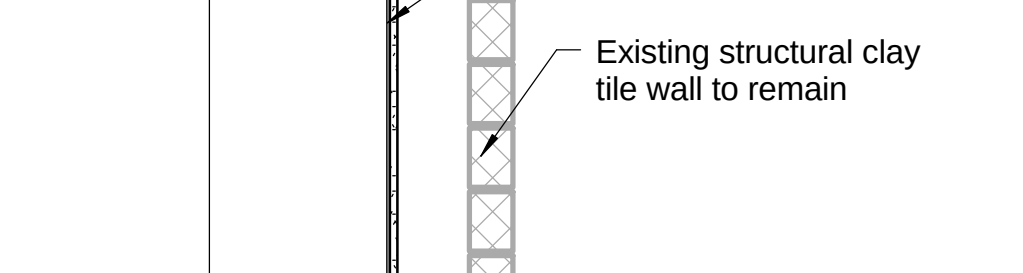
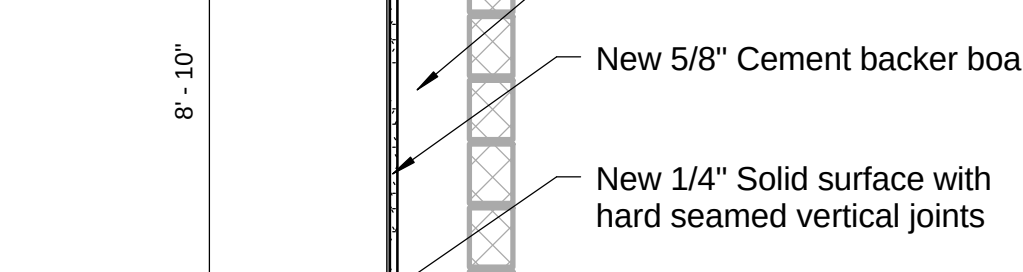
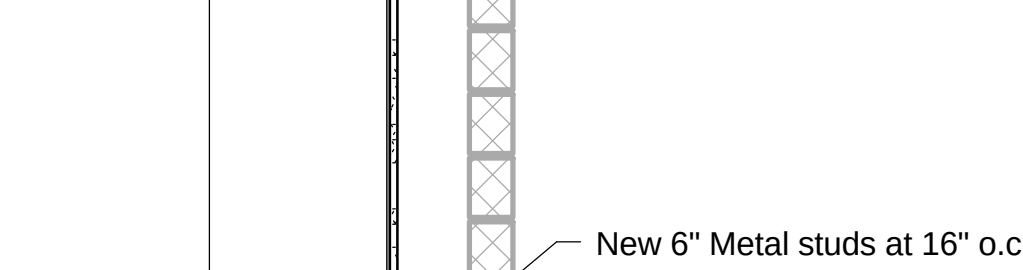
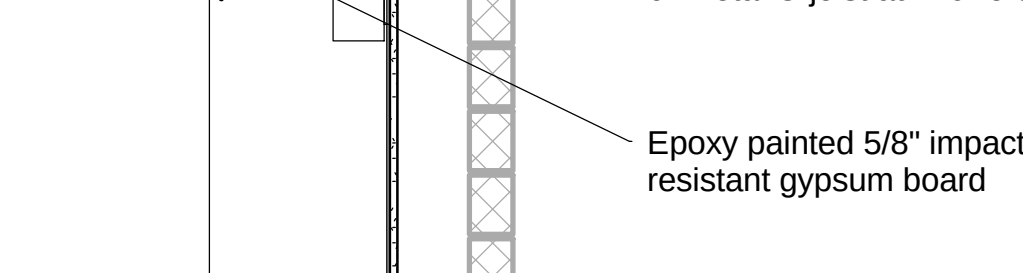
24 Toilet H-105

3/8" = 1'-0"



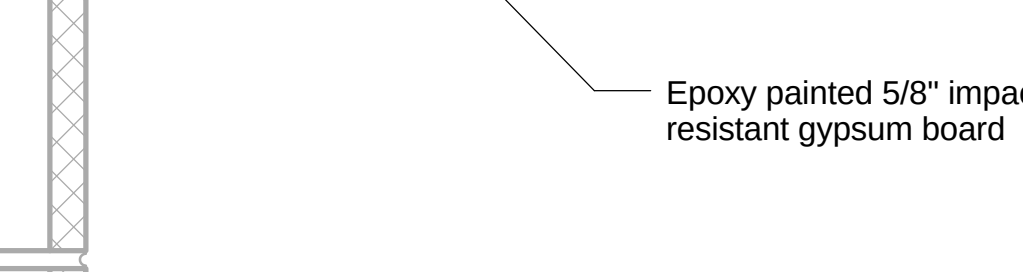
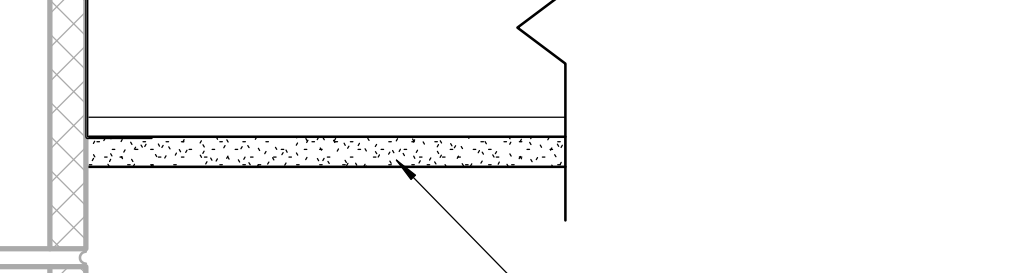
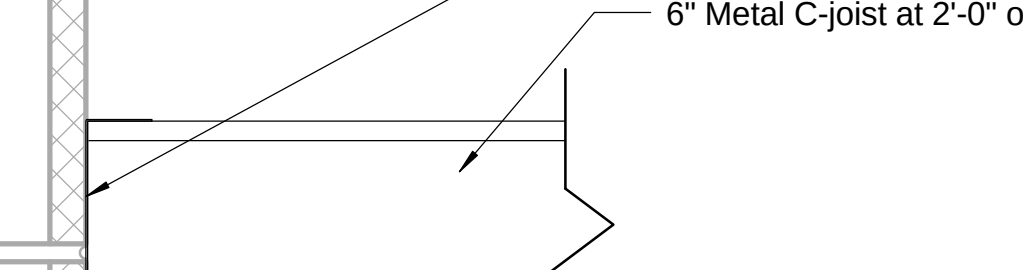
26 Furred Wall 3

3/4" = 1'-0"



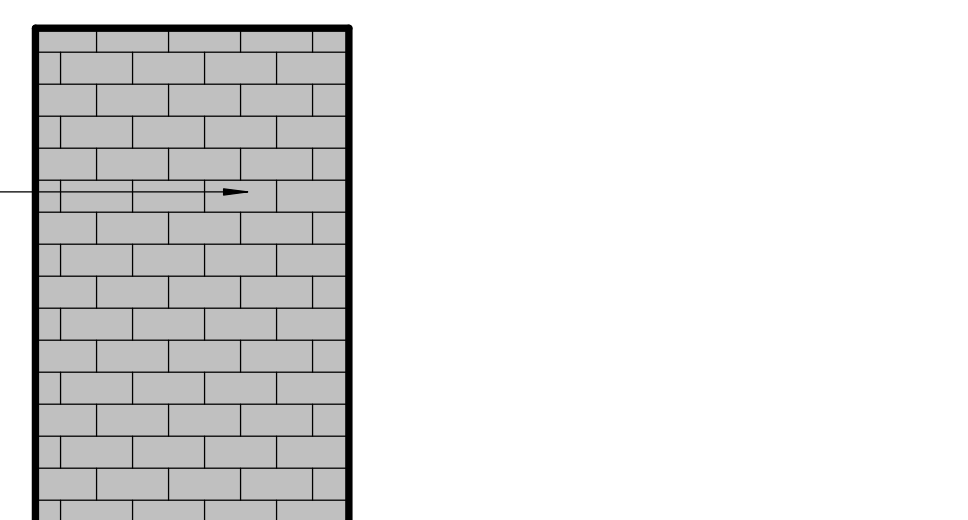
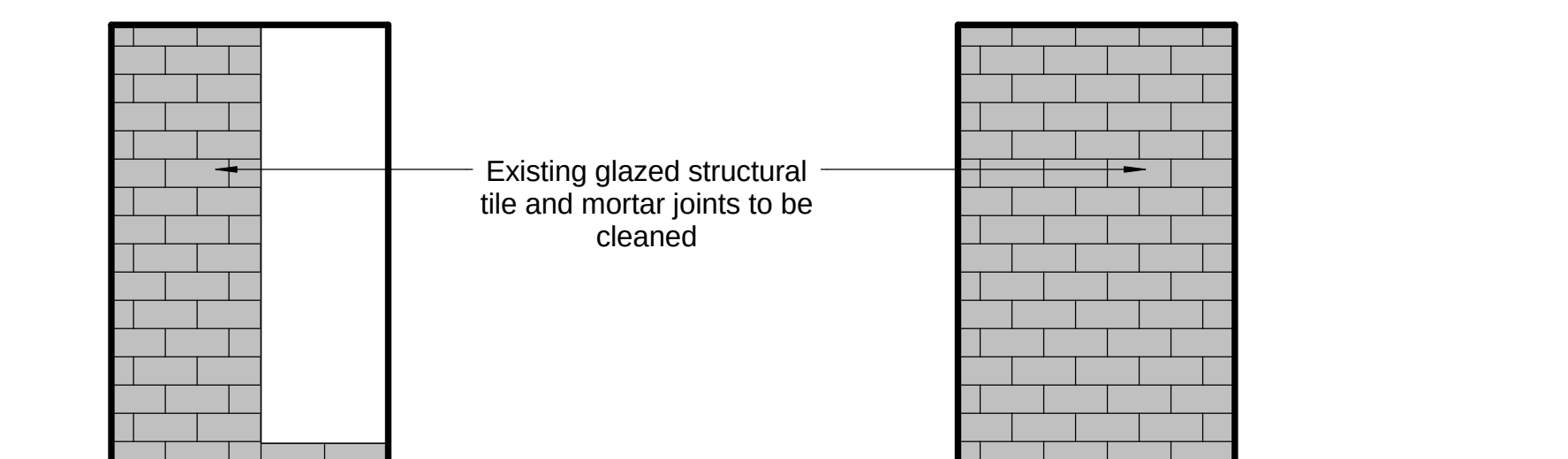
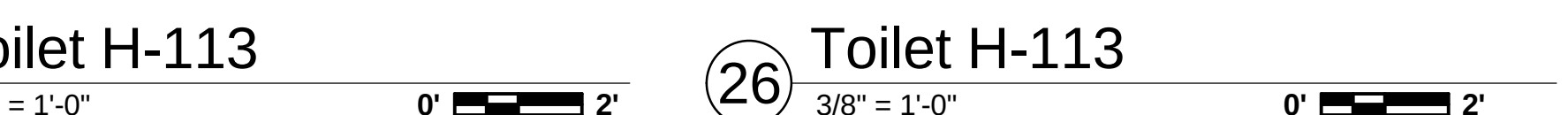
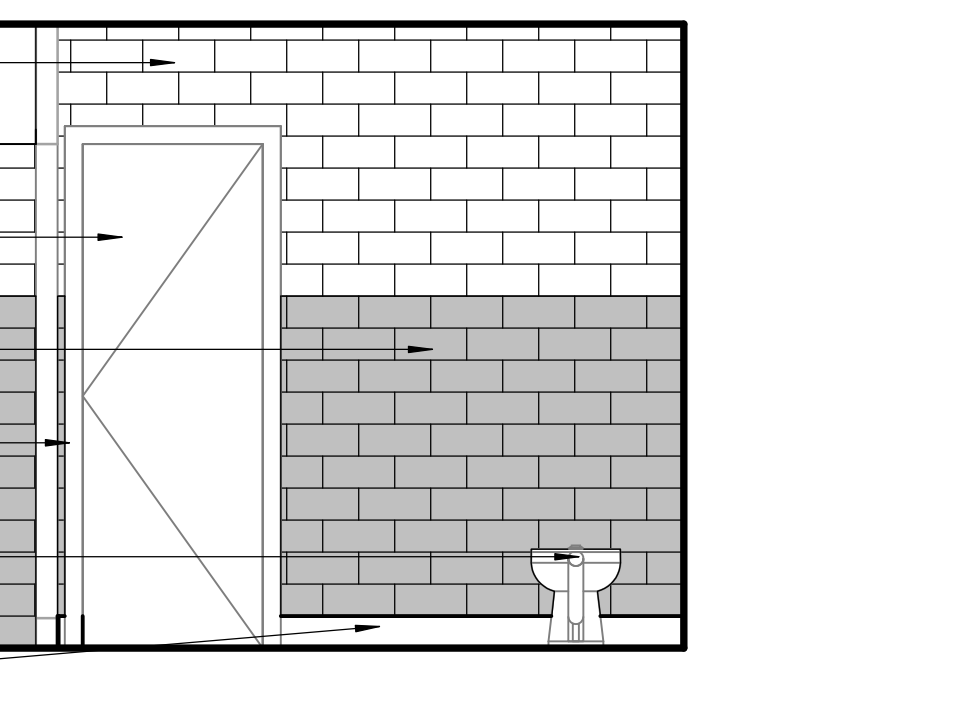
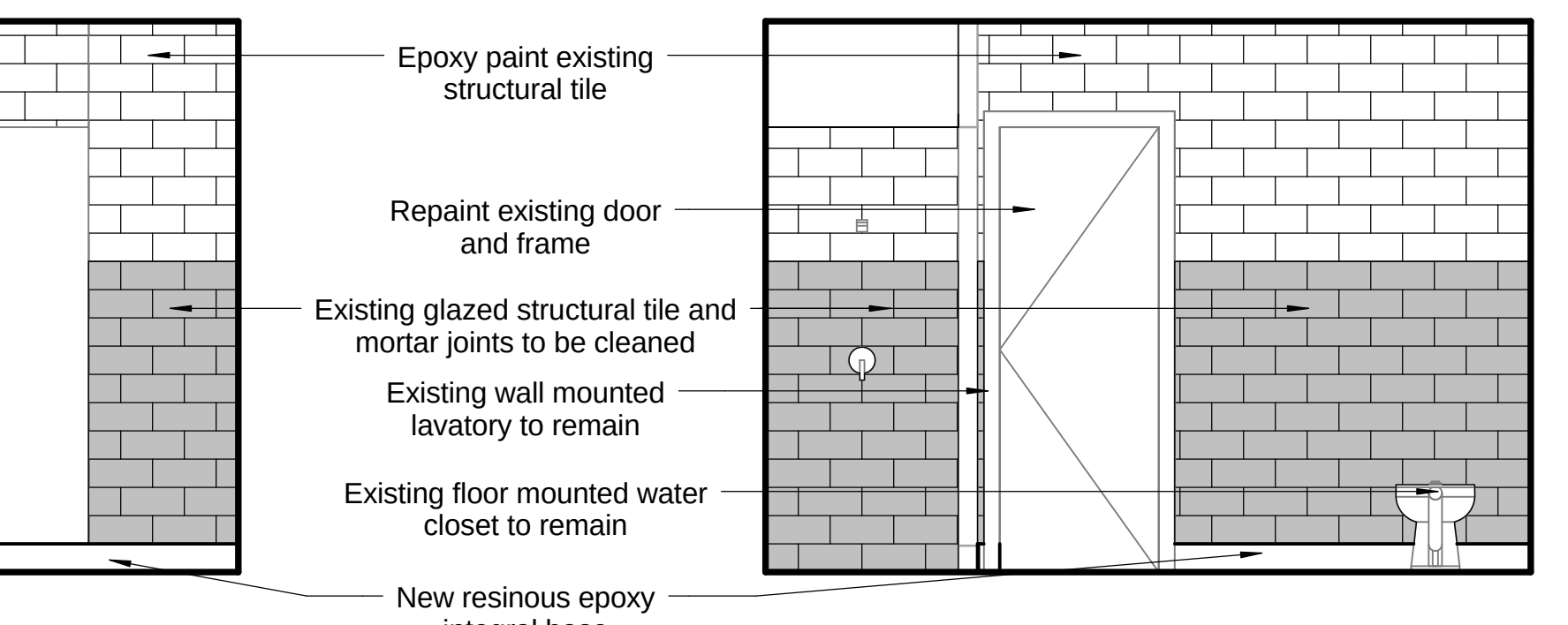
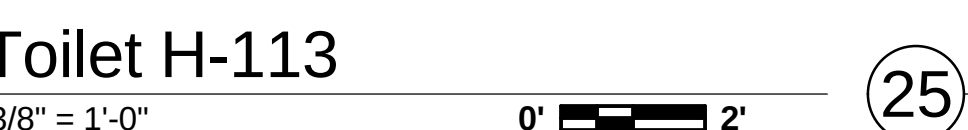
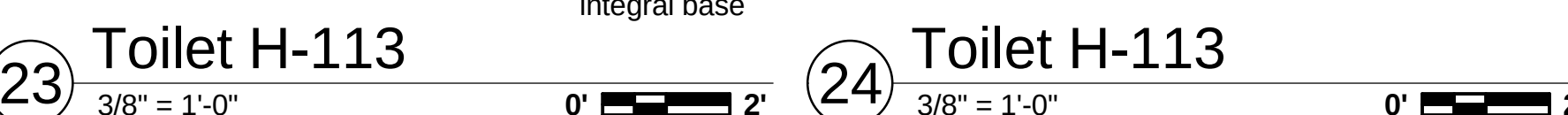
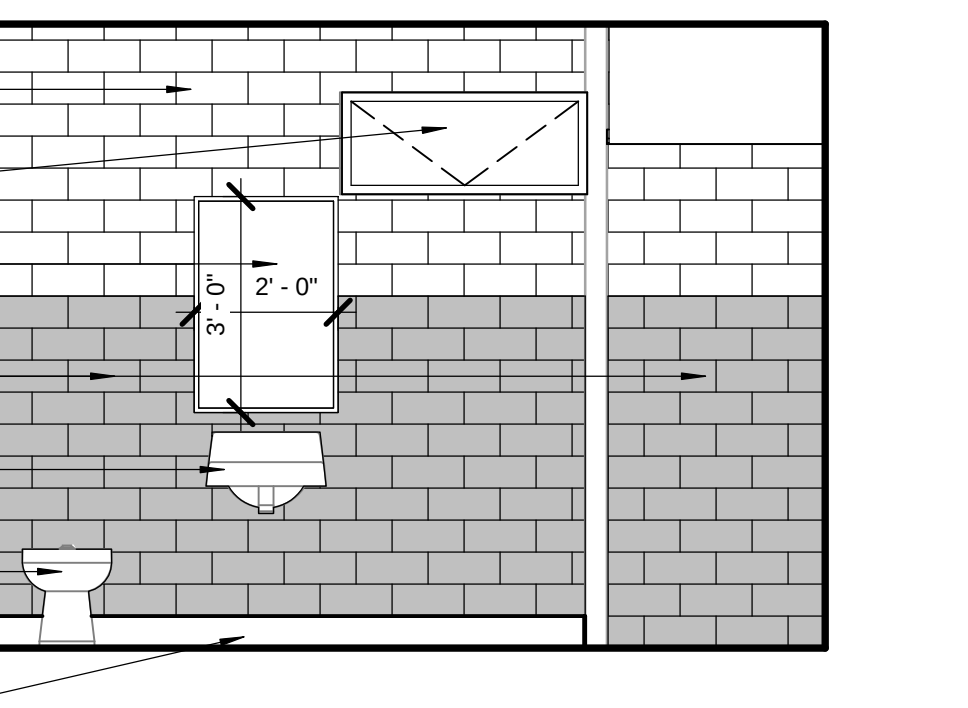
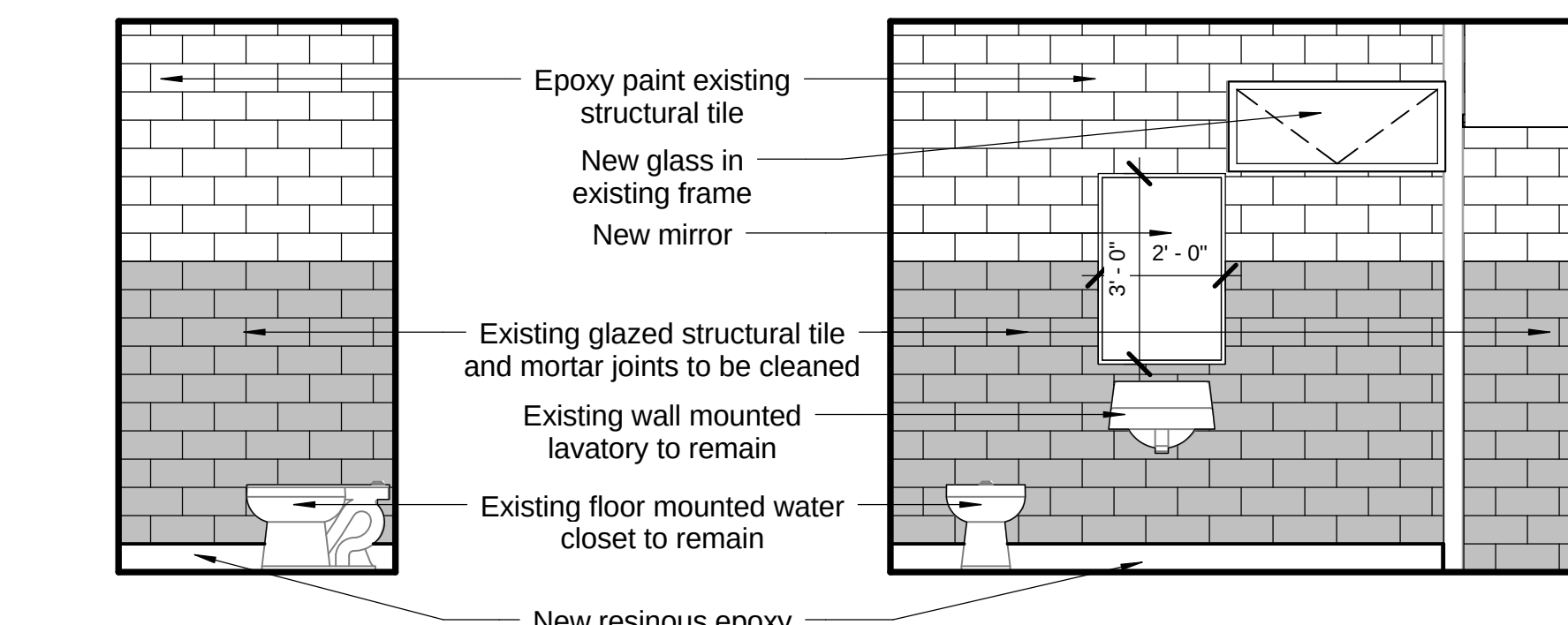
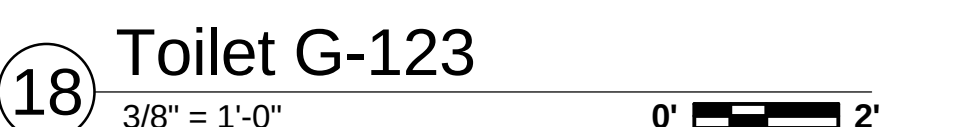
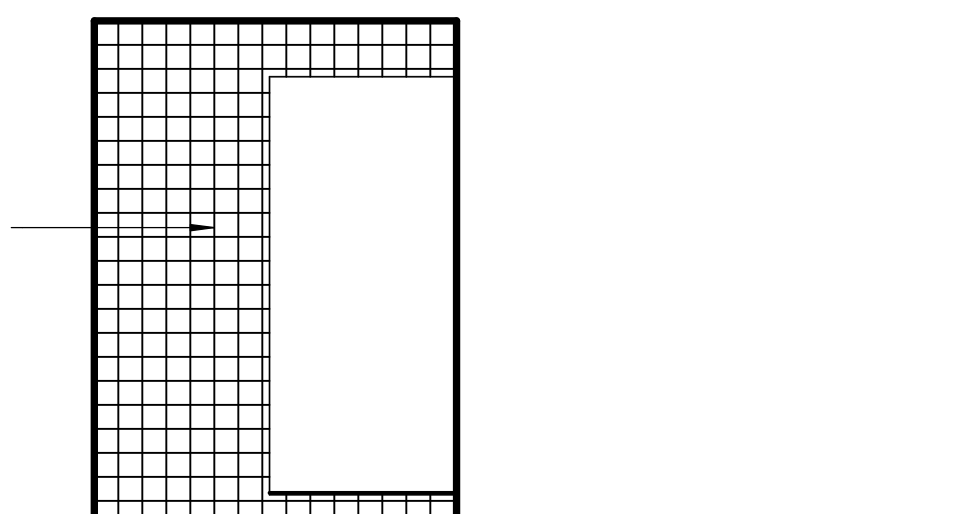
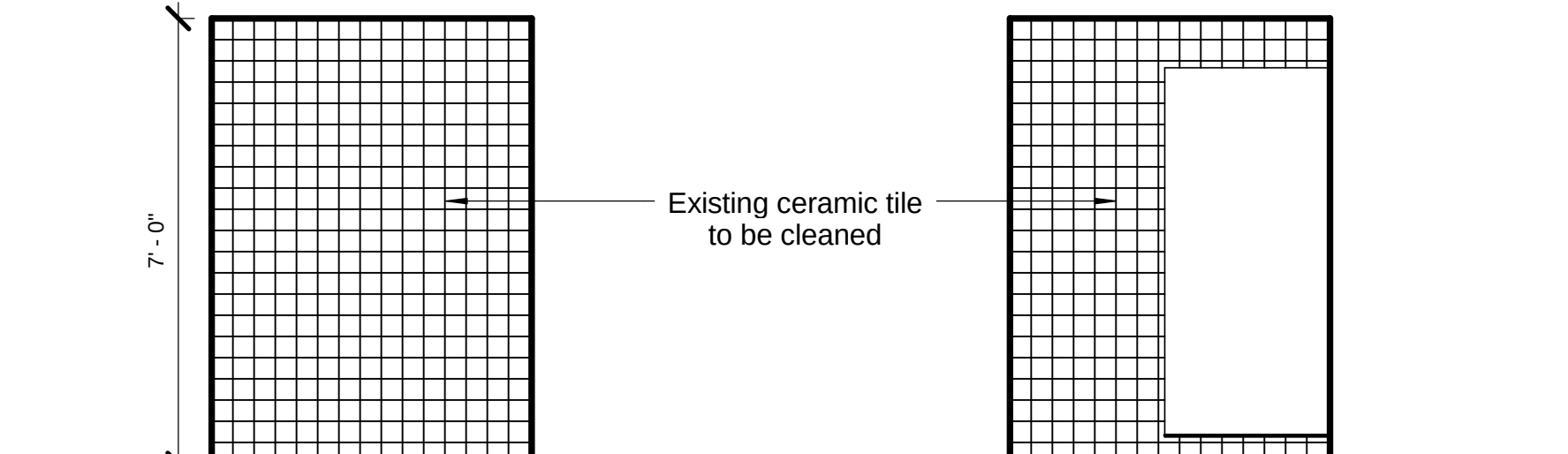
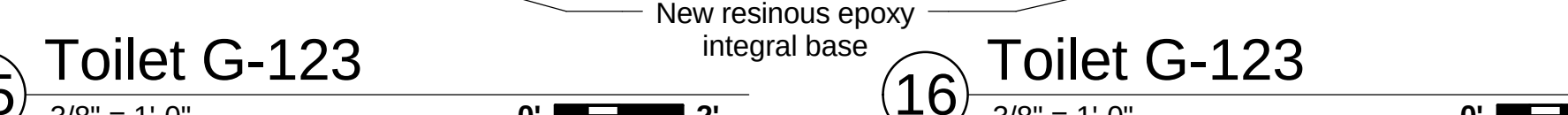
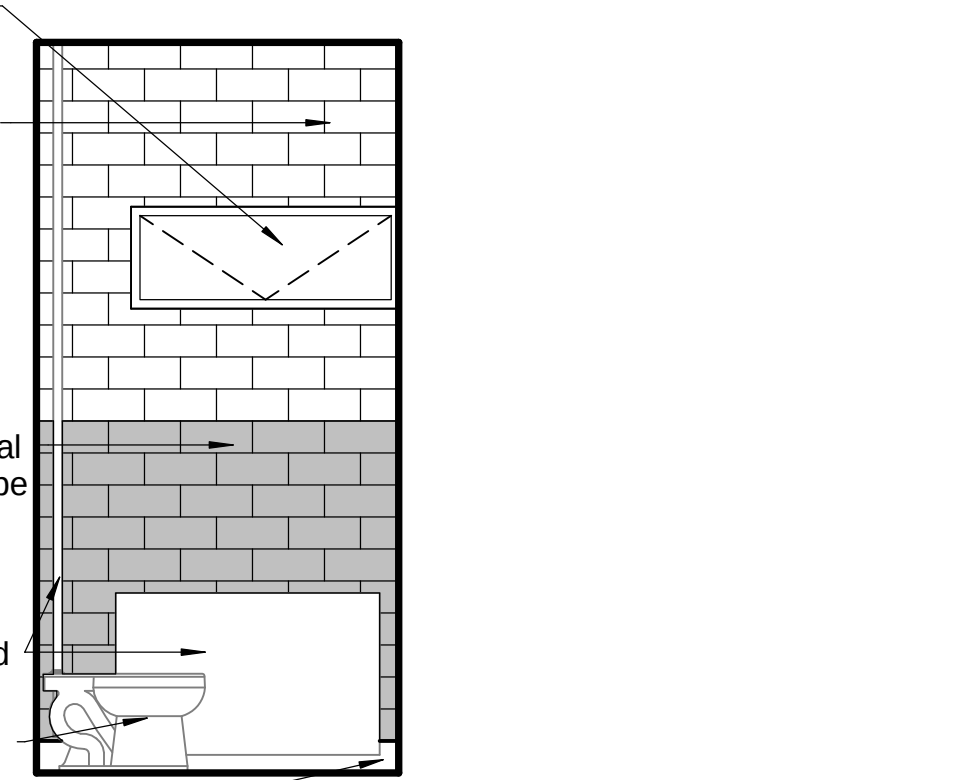
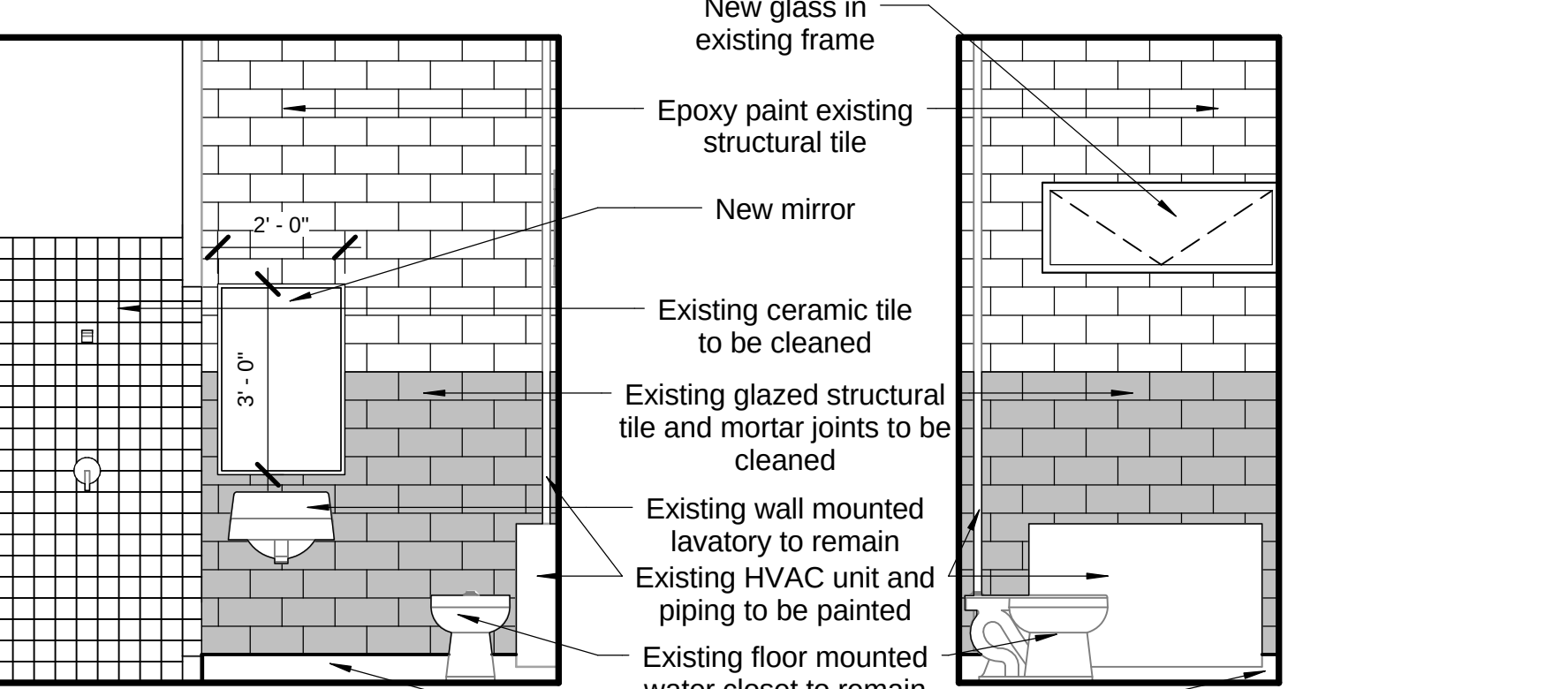
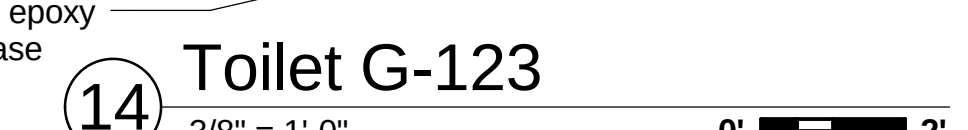
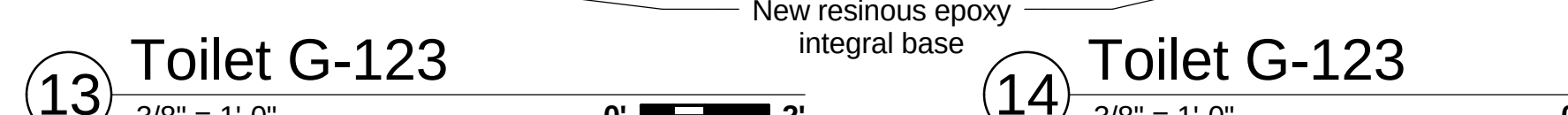
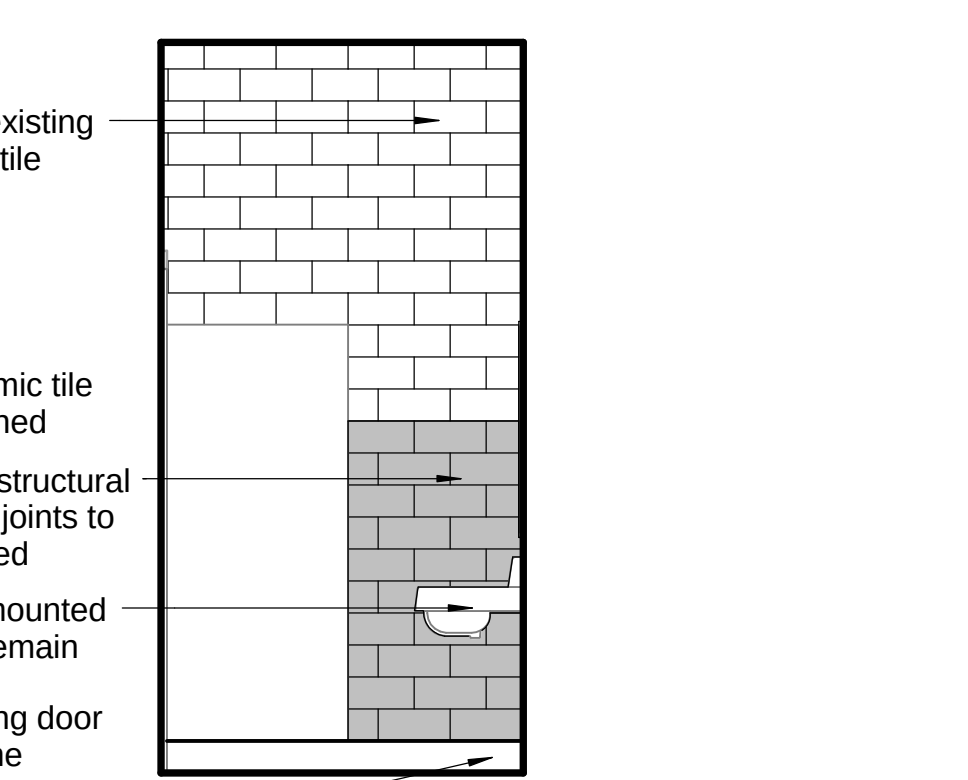
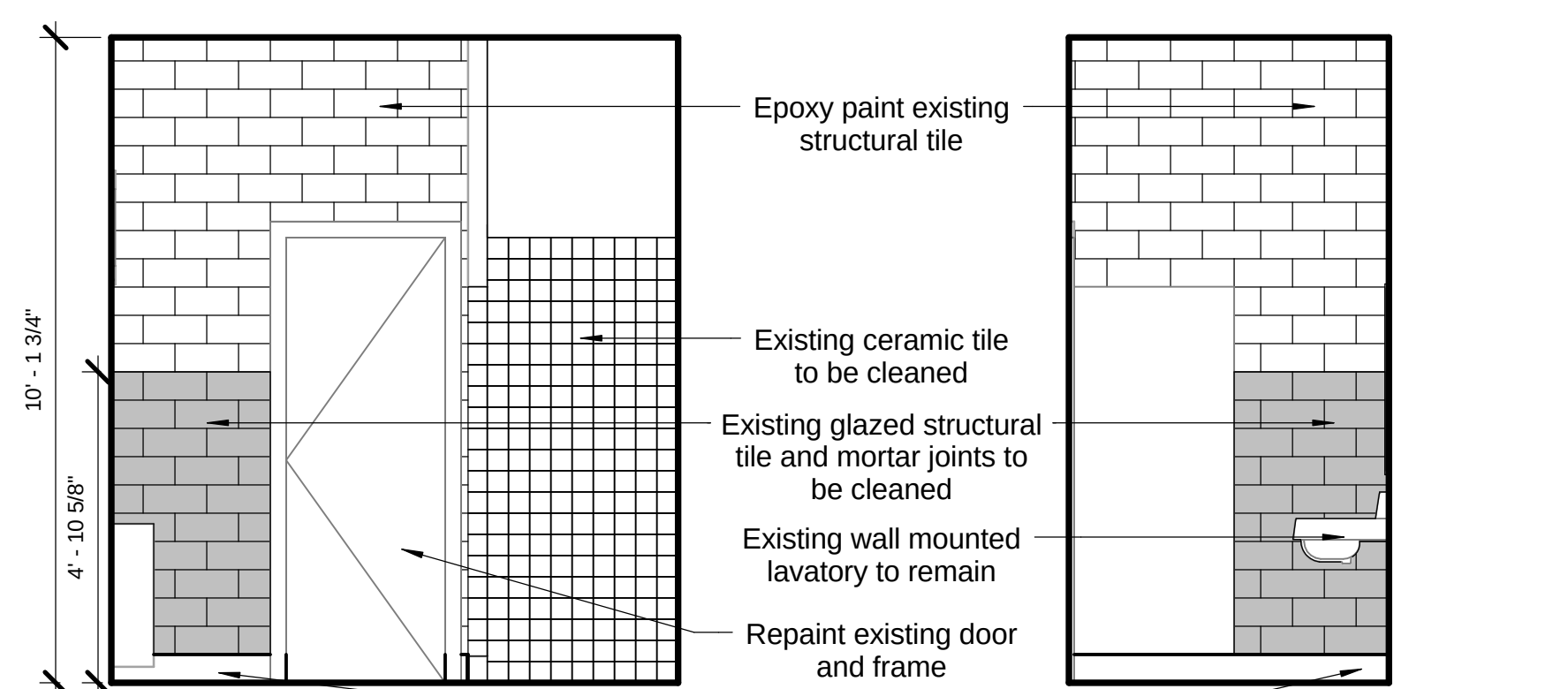
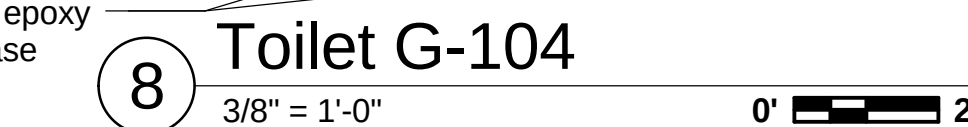
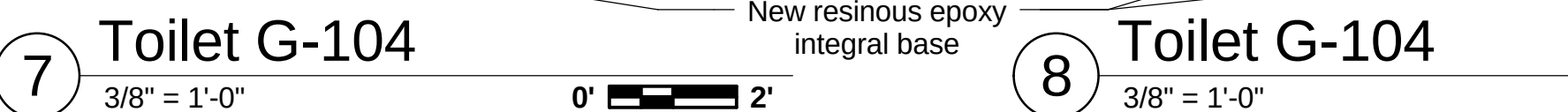
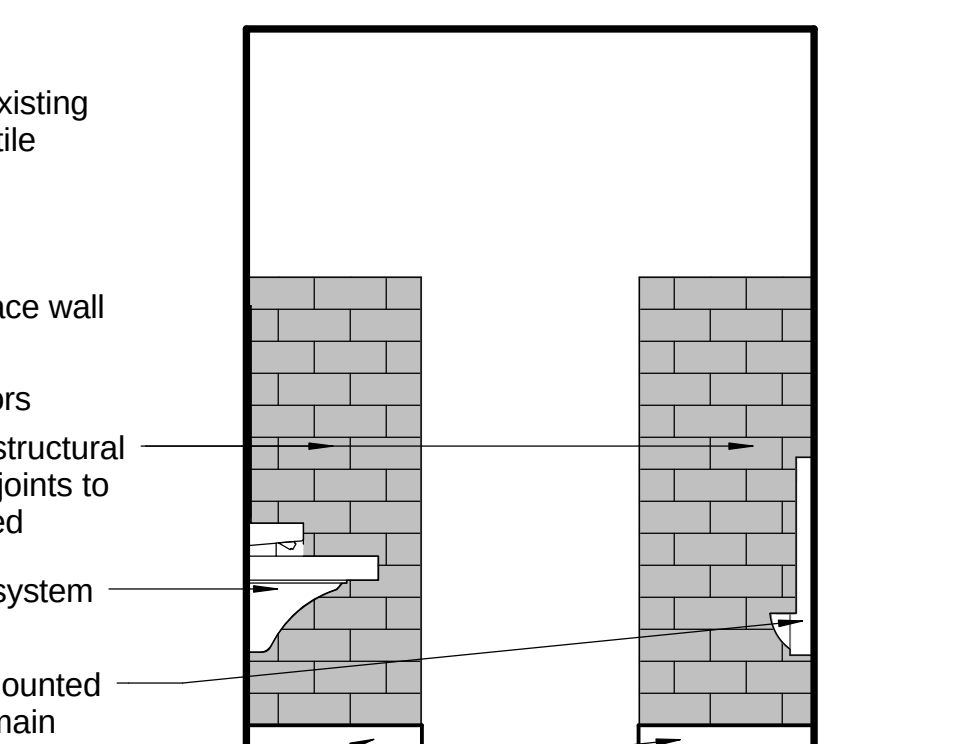
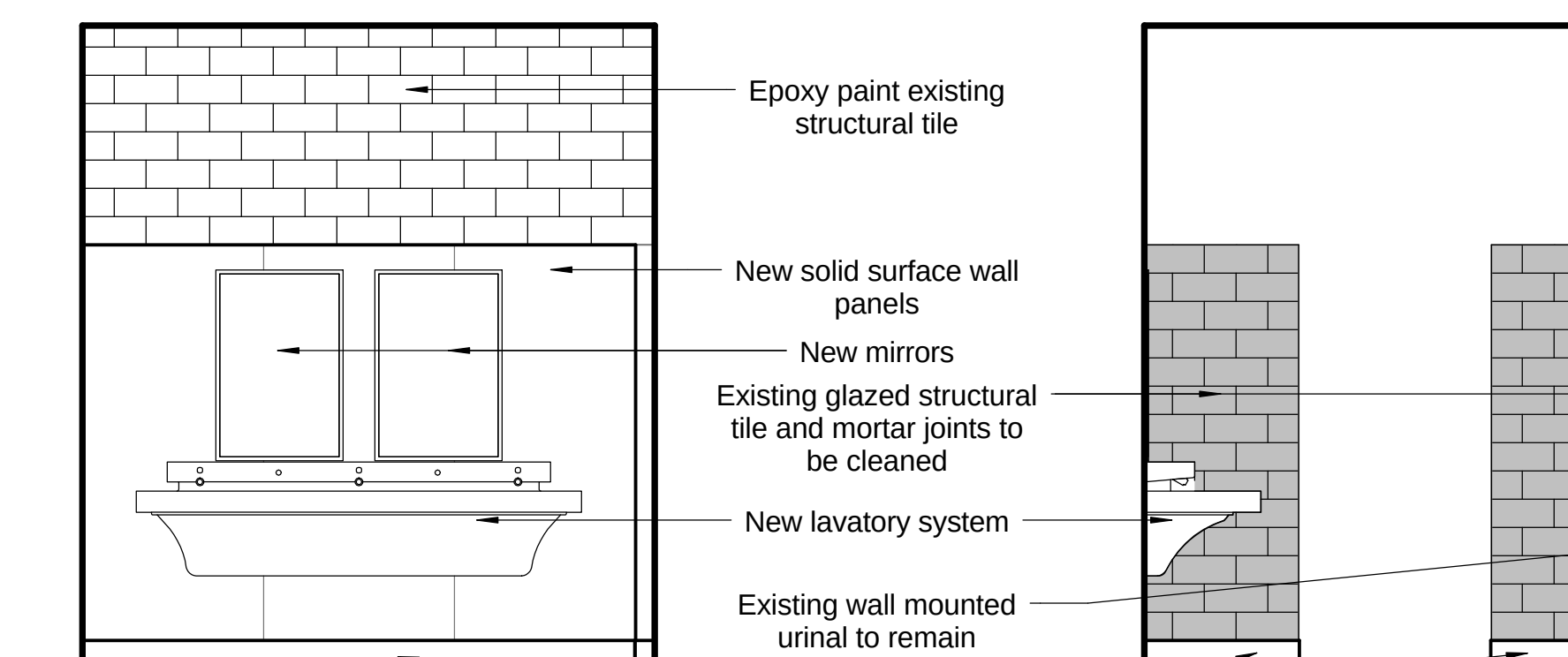
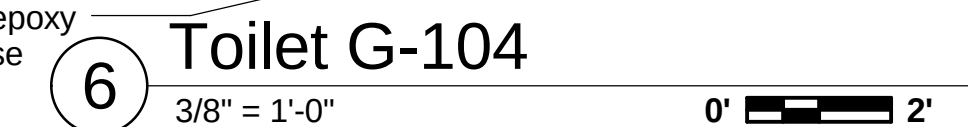
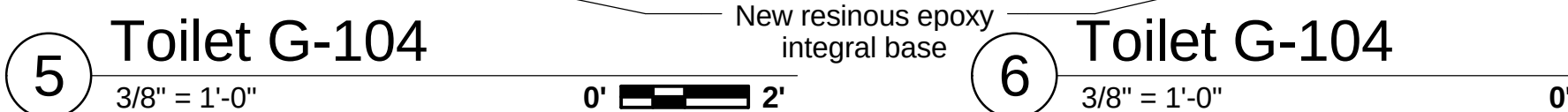
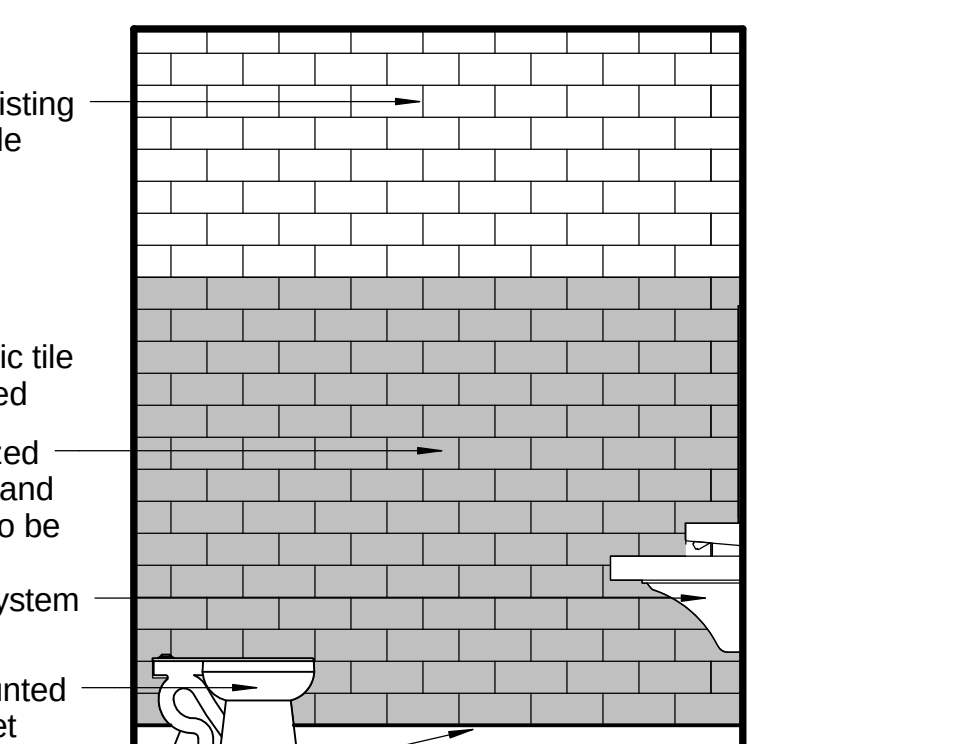
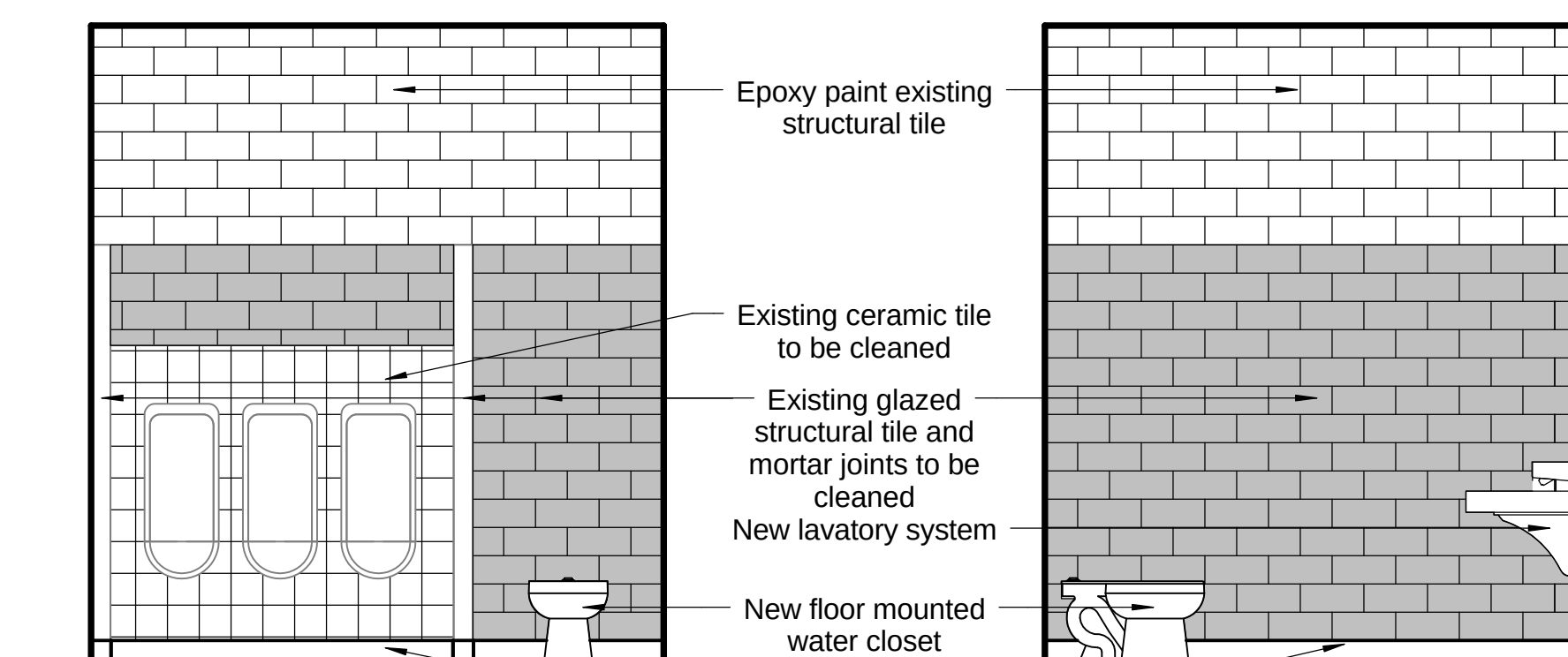
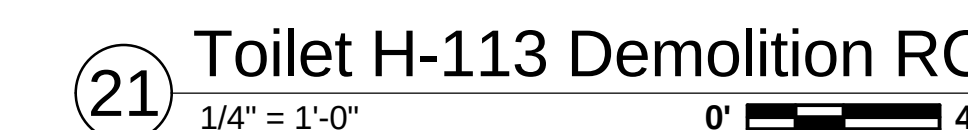
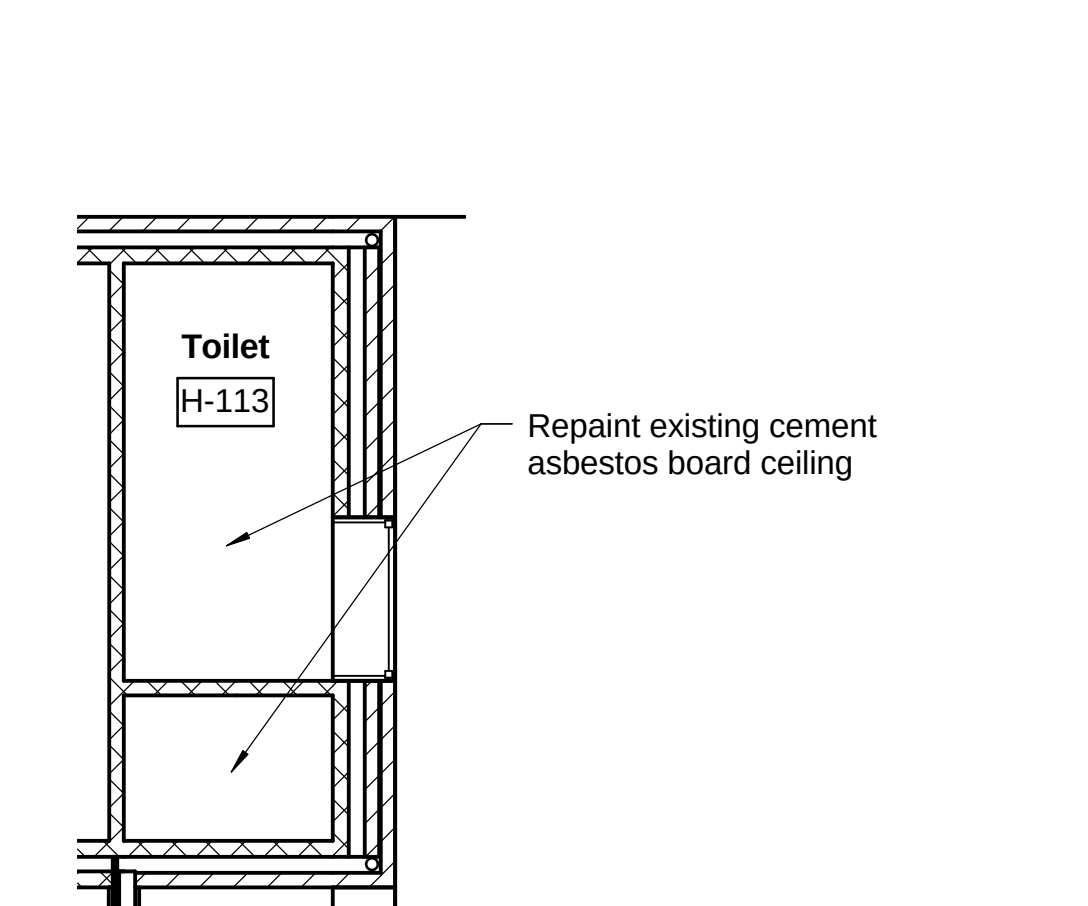
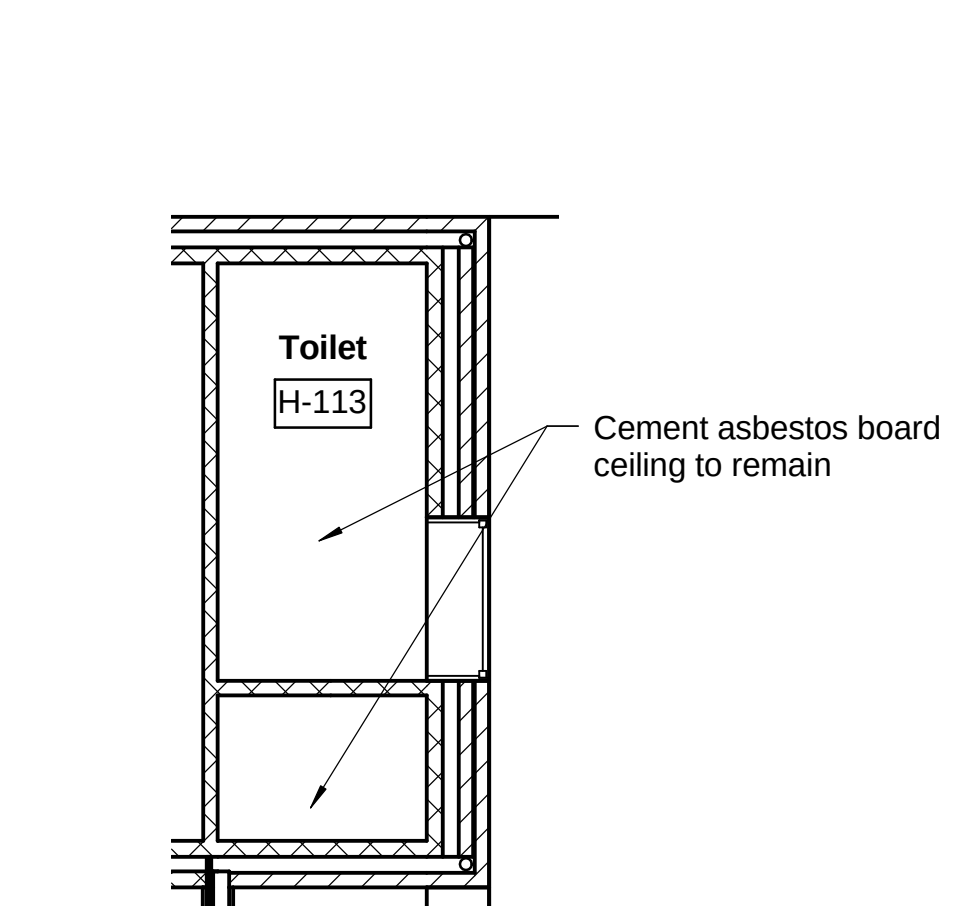
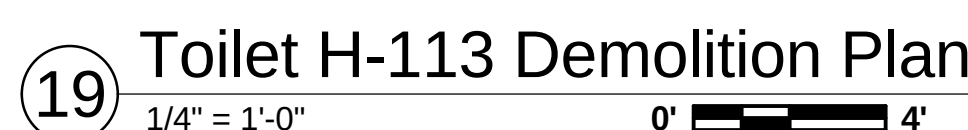
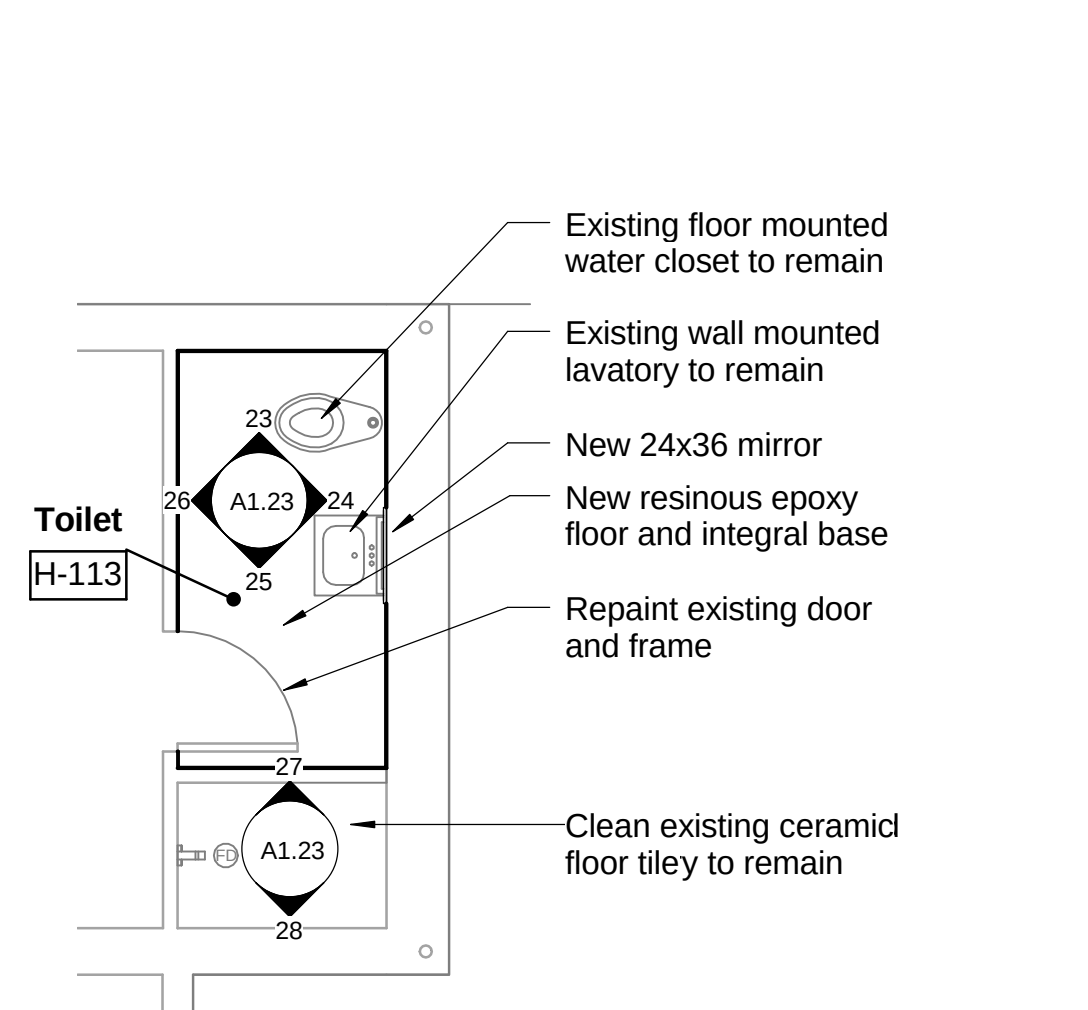
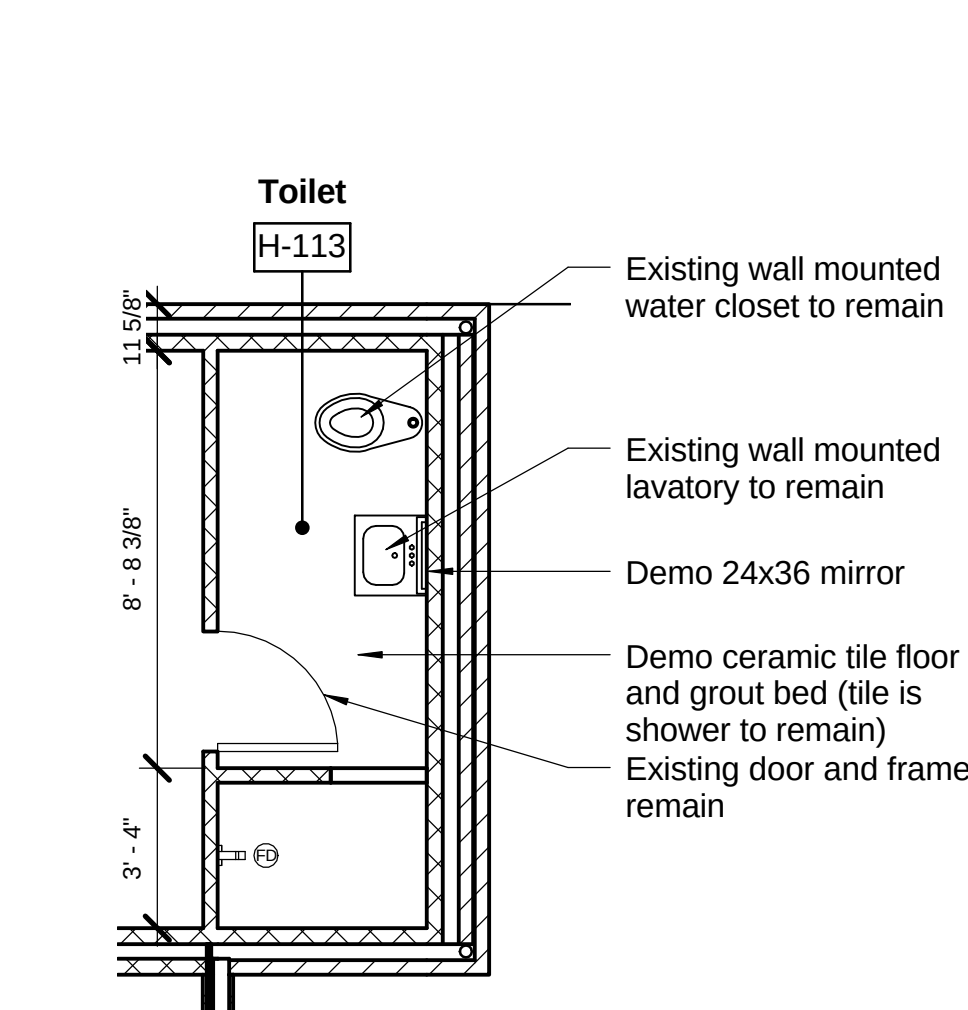
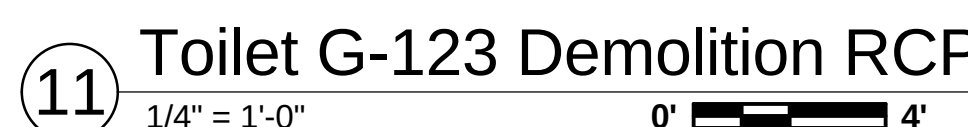
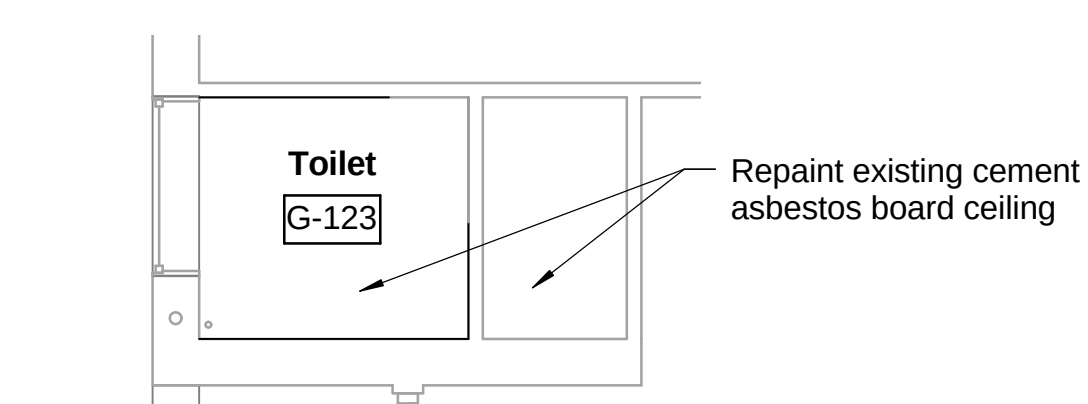
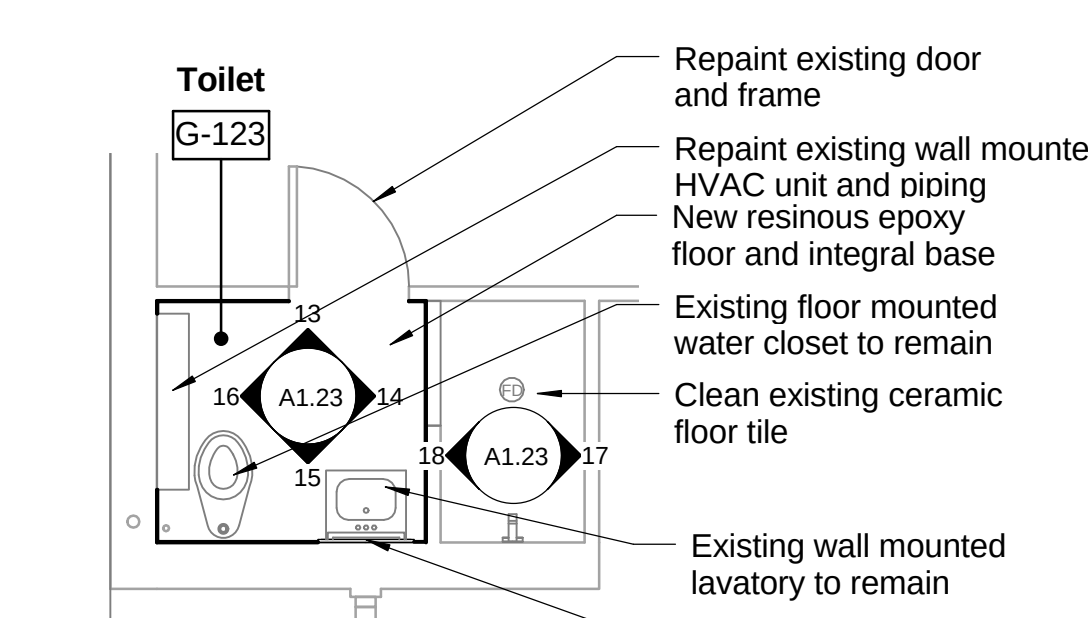
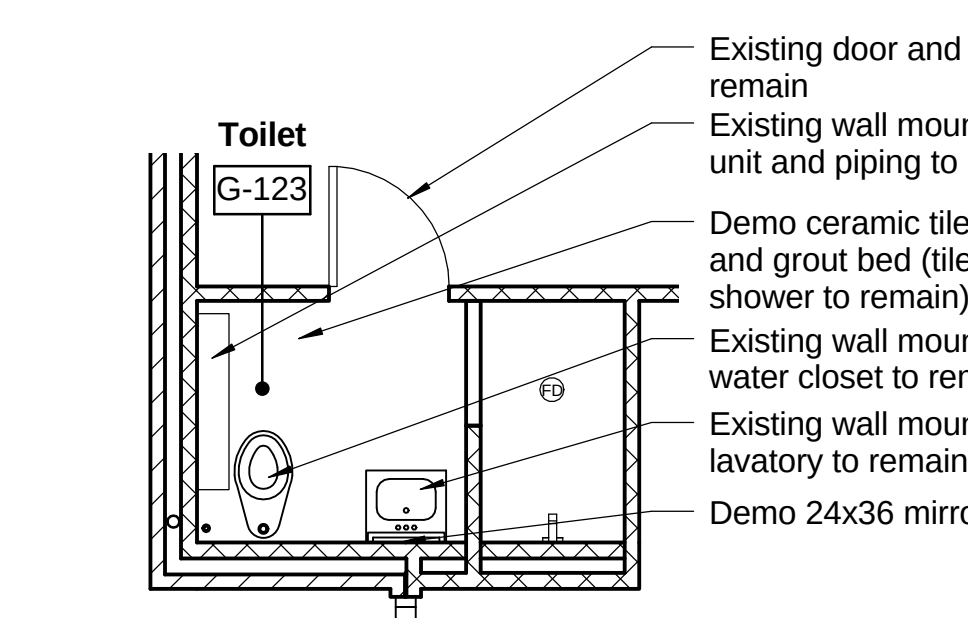
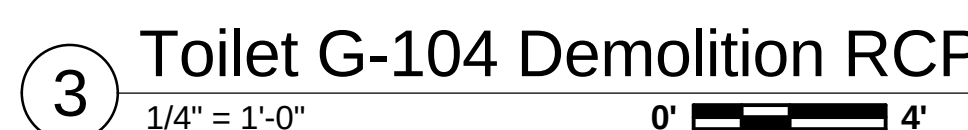
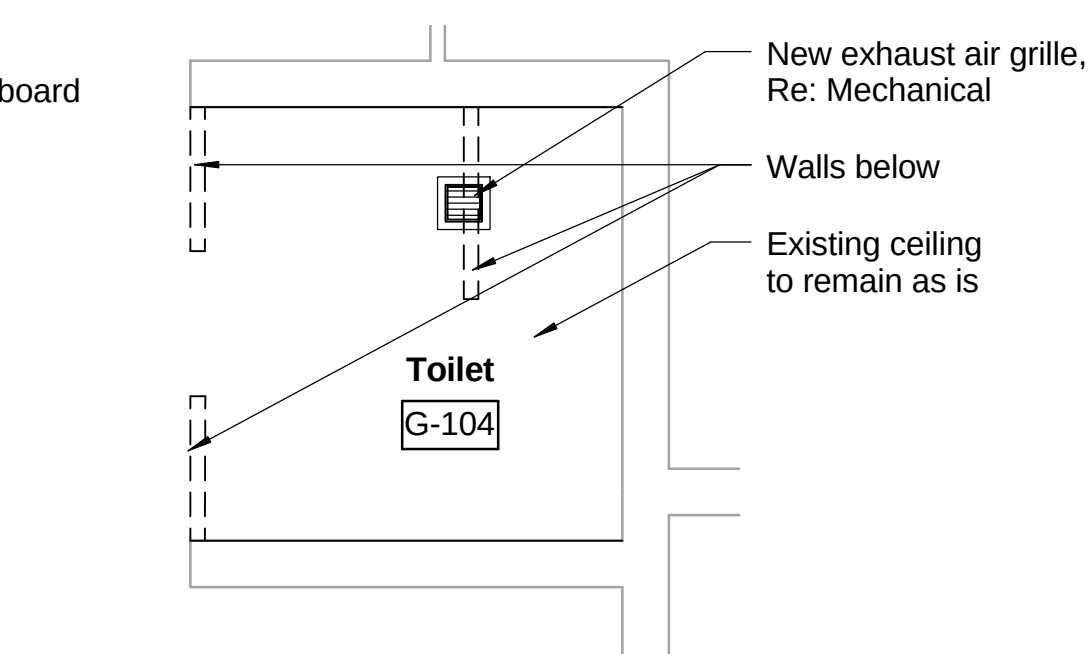
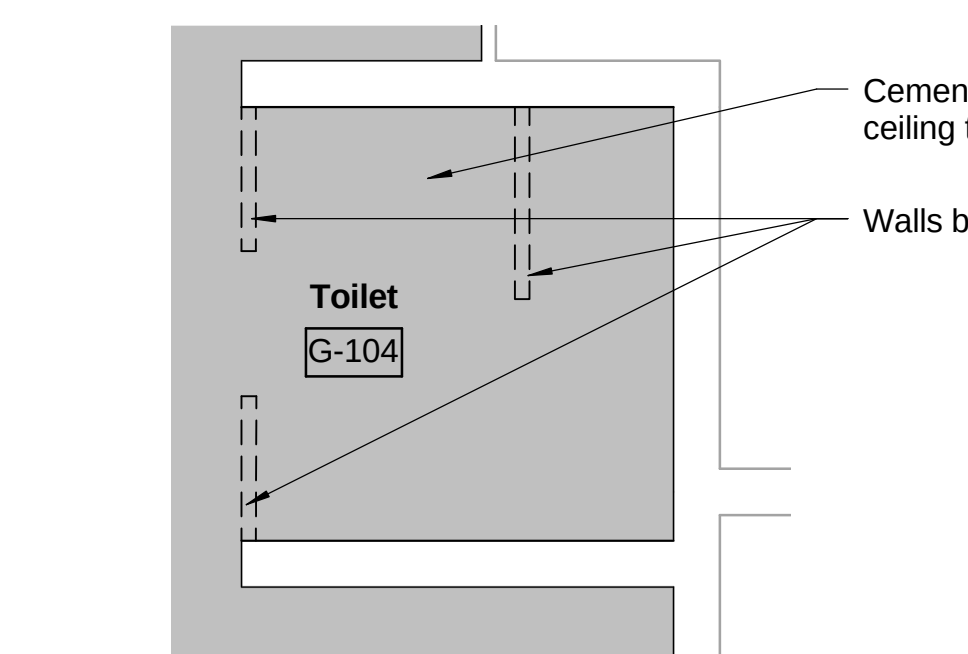
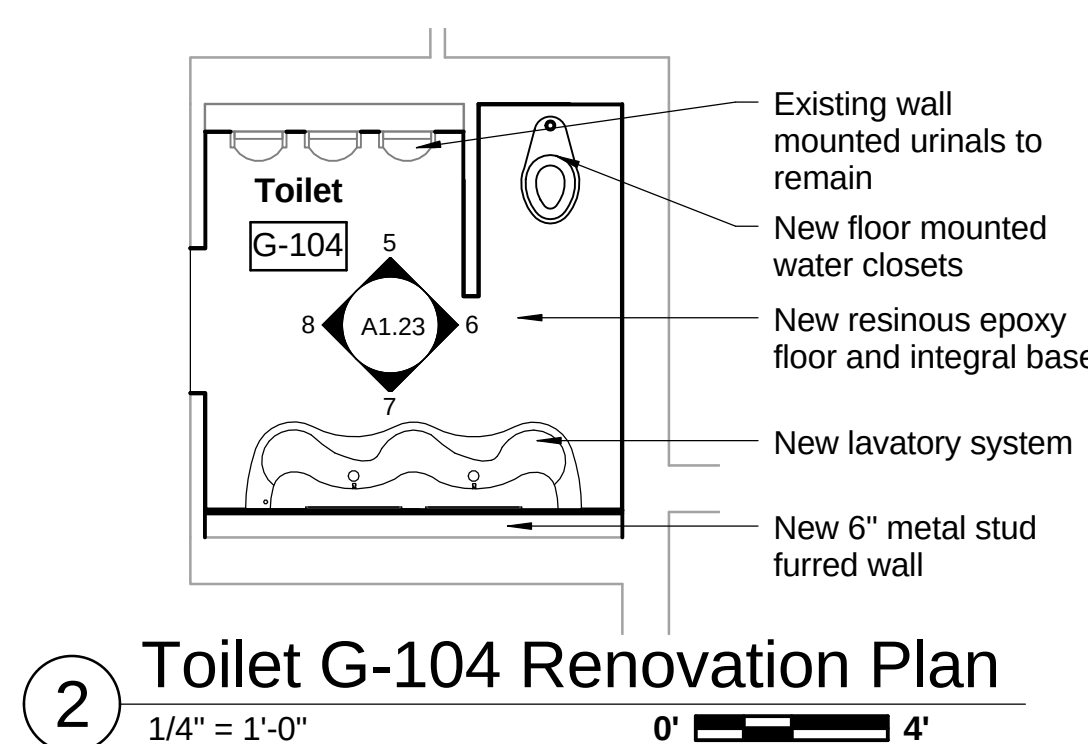
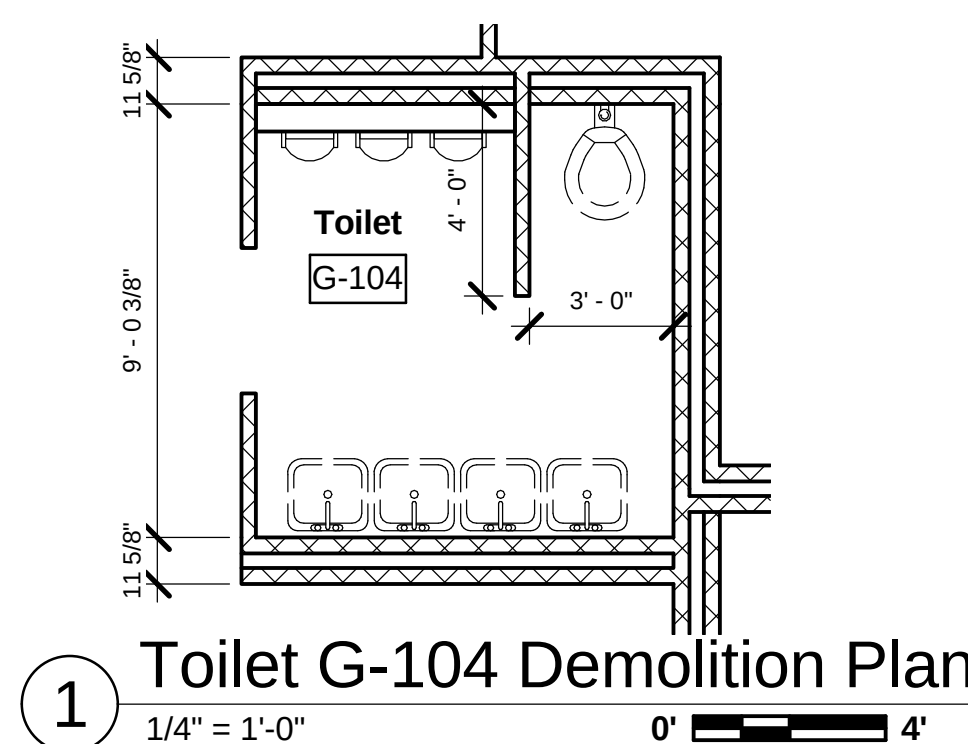
27 Furred Wall 4

3/4" = 1'-0"

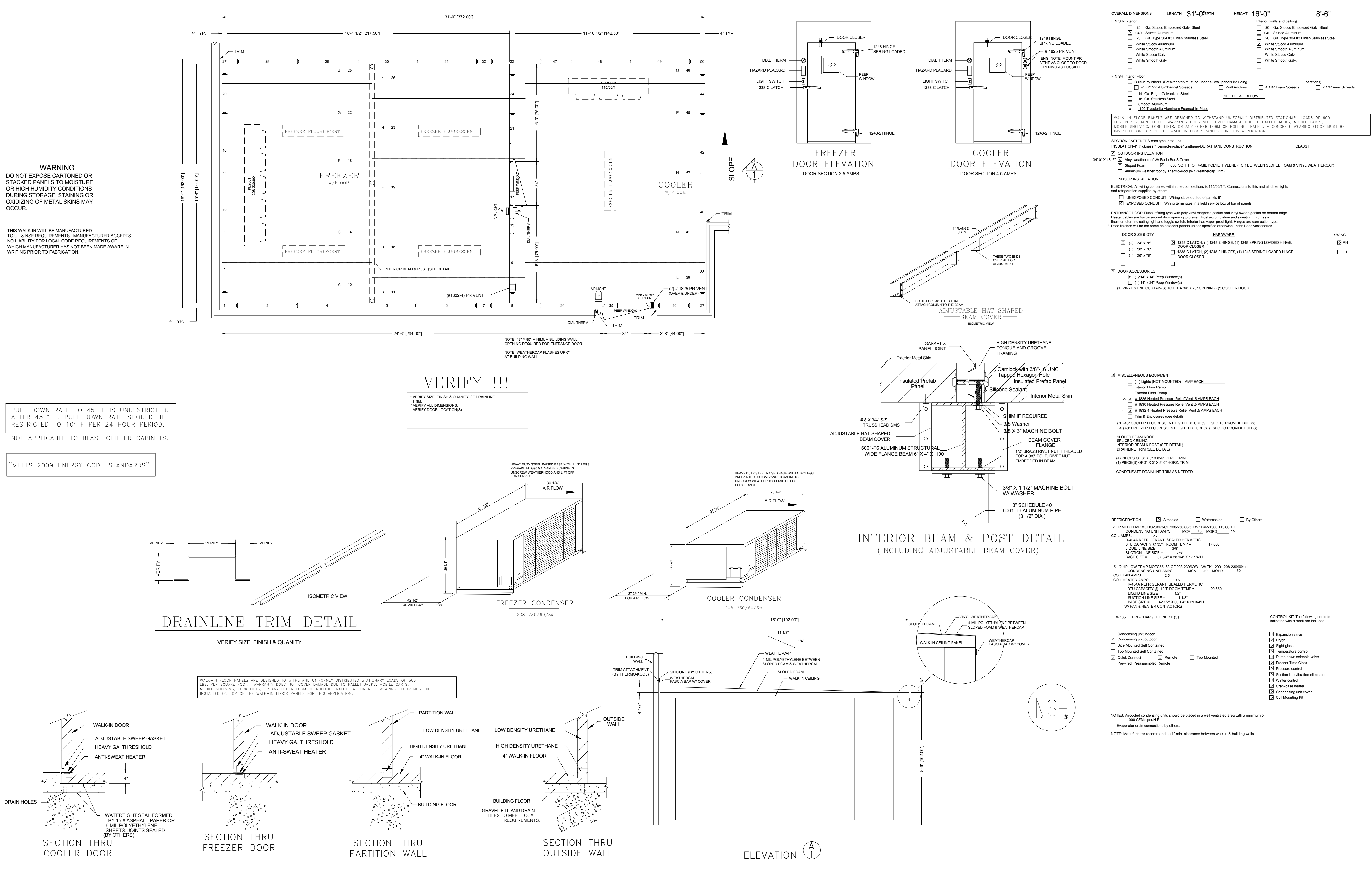


25 Ceiling Joist Framing

3" = 1'-0"



Note: All work on this sheet to be Alternate No. 2



Airline High Improvements

2801 Airline Drive, Bossier City, LA 71111

BPSB Project No. CM1211A

Project No. _____

1303.02

Issue

Date _____

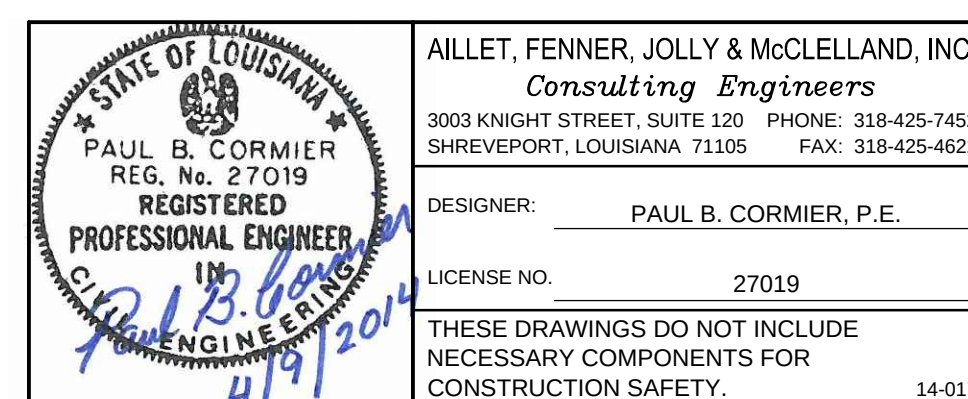
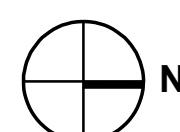
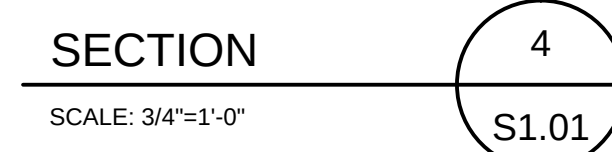
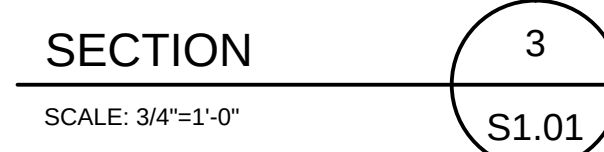
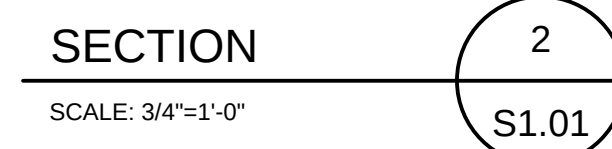
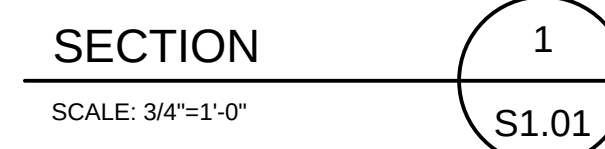
April 9, 2014

Sheet Title

Canopy Foundation Plans & Sections

Sheet No. _____

S1.01



2801 Airline Drive, Bossier City, LA 71111

Project No. _____

1303.02

Issue

Date _____

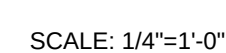
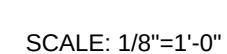
April 9, 2014

Sheet Title

Canopy Framing Plans & Sections

Sheet No.

S1.02



SCALE: 1"=1'-0"



SCALE: 1"=1'-0"



SCALE: 1"=1'-0"



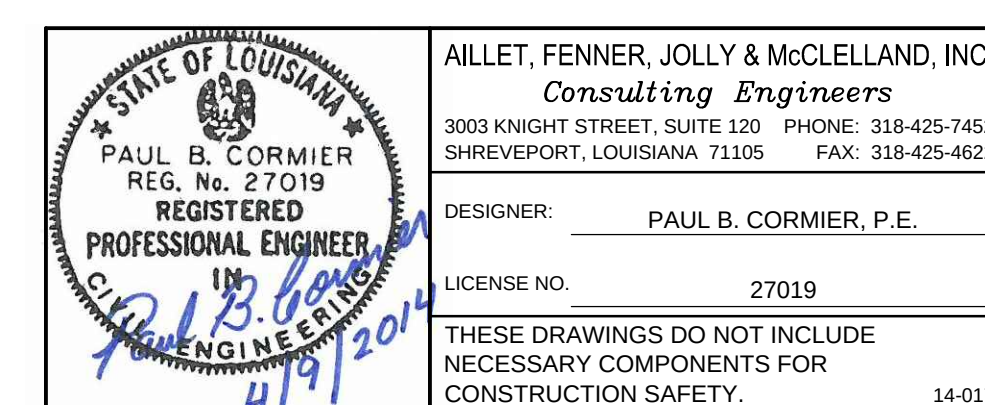
SCALE: 1"=1'-0"



SCALE: 1"=1'-0"



SCALE: 1"=1'-0"



GENERAL NOTES:

GENERAL:

- THE CONTRACTOR SHALL VERIFY FIELD DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES IN THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
- THESE DRAWINGS ARE NOT TO BE SCALED. CALLED DIMENSIONS GOVERN SCALED DIMENSIONS.
- THE CONTRACTOR SHALL VERIFY LOCATIONS AND SIZES OF ALL OPENINGS IN FLOORS AND ROOFS AND ALL INSERTS AND EMBEDDED ITEMS WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS BEFORE PLACING CONCRETE, INSTALLING METAL DECKING OR ERECTING ANY STRUCTURAL LOAD BEARING MATERIAL. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL COORDINATION WITH SUB-CONTRACTORS.
- ADEQUATE TEMPORARY BRACING WILL BE REQUIRED OF ALL STRUCTURAL PIECES OR UNITS UNTIL THE ROOF DECK IS IN PLACE.
- IN CASE OF DRAWING DISCREPANCIES IN DIMENSIONS AND ELEVATIONS BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL VERIFY WITH ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.
- THE LATEST EDITION OF IBC, ACI, AISC, AWS, AND CRSI SPECIFICATIONS SHALL GOVERN ALL PHASES OF FABRICATION AND CONSTRUCTION.
- STRUCTURAL DESIGN CRITERIA:

ROOF DEAD LOAD	- 10 PSF
ROOF LIVE LOAD	- 20 PSF
FLOOR LIVE LOAD	- 100 PSF
WIND LOAD	Vul - 115 MPH PER ASCE 7-10 Vulsd - 90 MPH PER ASCE 7-10 EXPOSURE B GCJ1 = 4; 0.0 SEE CHART FOR COMPONENTS AND CLADDING DESIGN PRESSURES
SEISMIC LOAD	- PER IBC 2012 SEISMIC IMPORTANCE FACTOR = 1.0 RISK CATEGORY II S ₁ = 0.24 S ₁ = 0.17 SITE CLASSIFICATION D S _{0.6} = 0.16 S _{0.1} = 0.11 SEISMIC DESIGN CATEGORY B SEISMIC FORCE RESISTING SYSTEM - ORDINARY STEEL MOMENT FRAMES RESPONSE MODIFICATION COEFFICIENT, R = 3-1/2 SEISMIC RESPONSE COEFFICIENT, C _s = 0.046 ANALYSIS PER EQUIVALENT LATERAL FORCE PROCEDURE DESIGN BASE SHEAR - 3.5 KIPS
SNOW LOAD	- 5 PSF GROUND SNOW LOAD PER IBC 2012
- CONTRACTOR SHALL REVIEW AND STAMP ALL SUBMITTALS BEFORE FORWARDING TO ARCHITECT/ENGINEER FOR REVIEW. CONTRACTOR SHOULD INCORPORATE TEN (10) WORKING DAYS FOR ENGINEER REVIEW.

FOUNDATION:

- DILLED PIERS SHALL BE INSTALLED PER PLAN.
- SILTY SOILS HAVE A TENDENCY TO "PUMP" UNDER CONDITIONS OF SIGNIFICANT MOISTURE AND REPETITIVE LOADING. SOILS THAT BEGIN TO PUMP MUST BE REMOVED AND REPLACED OR LIME-STABILIZED AT NO COST TO THE OWNER.
- EXPOSED SURFACE AREAS TO RECEIVE SELECT FILL SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 8 INCHES, THE MOISTURE CONTENT ADJUSTED TO WITHIN ONE PERCENT BELOW AND THREE PERCENT ABOVE OPTIMUM AND COMPACTED TO A MINIMUM OF 96% ASTM D698 DENSITY. SUBGRADE ELEVATION SHALL BE LEVEL OR BENCHMARKED WITH A TRANSITION OF 3H:1V. DO NOT PLACE FILL ON SLOPING SUBGRADE.
- ALL SOIL USED AS FILL SHALL BE A CLAYEY SAND (SC) OR LOW PLASTICITY SANDY CLAY (CL) WITH A LIQUID LIMIT LESS THAN 40, PLASTICITY INDEX BETWEEN 8 AND 18, AND LESS THAN 70% PASSING THE No. 200 SIEVE. ALL FILL SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO 98% ASTM D698 DENSITY. SUBGRADE ELEVATION SHALL BE LEVEL OR BENCHMARKED WITH A TRANSITION OF 3H:1V. DO NOT PLACE FILL ON SLOPING SUBGRADE.
- CONTRACTOR SHALL PROVIDE FOR DEWATERING AT EXCAVATIONS FROM EITHER SURFACE WATER OR SEEPAGE.
- CONTRACTOR SHALL PROVIDE ADEQUATE EXCAVATION SHORING TO PREVENT CAVE-INS.
- EACH LIFT OF COMPACTED SOIL SHALL BE TESTED PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS (1 TEST PER 2,500-SF WITH 4 TESTS MINIMUM PER LIFT).

REINFORCING STEEL:

- ALL REINFORCING STEEL SHALL BE NEW BILLET, ASTM A615 GRADE 60 DEFORMED DOMESTIC BARS. ALL DETAILING, FABRICATION, PLACING AND SUPPORTING SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318 AND CRSI.
- ALL DOWELS SHALL BE THE SAME SIZE AND SPACING AS ADJOINING MAIN BARS (MIN. LAP 30 BAR DIA.), UNLESS NOTED OR DETAILED OTHERWISE. THE MINIMUM SPLICE OF ALL CONTINUOUS BARS SHALL BE 40 BAR DIA. (2'-0" MIN.). PROVIDE OUTSIDE CORNER BARS IN ALL BEAMS, BARS SHALL BE SAME SIZE AS MAIN BEAM STEEL. LAP 30 BAR DIA.
- CLEAR MINIMUM COVERAGE OF CONCRETE OVER REINFORCING BARS SHALL BE PER ACI 318 AND AS FOLLOWS:

CONCRETE CAST AGAINST EARTH	3"
FORMED CONCRETE AGAINST EARTH	1-1/2"
TOP OF SLABS-ON-GRADE	3/4"
- ALL REINFORCING BARS, WELDED WIRE FABRIC, BOLTS, DOWELS, INSERTS, ETC., SHALL BE RIGIDLY SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- CONTRACTOR SHALL SUBMIT COMPLETE SHOP AND PLACING DRAWINGS AND OBTAIN APPROVAL PRIOR TO FABRICATION.

CONCRETE:

- CONCRETE SHALL HAVE THE FOLLOWING 28-DAY STRENGTHS:
GRADE BEAMS, DILLED SHAFTS AND SLABS-ON-GRADE - 3,000 PSI
AIR ENTRAINMENT SHALL NOT EXCEED 3% AND WATER/CEMENT RATIO SHALL NOT EXCEED 0.50 FOR INTERIOR SLABS WITH A STEEL TROWEL FINISH.
- CHAMFER ALL EXPOSED EDGES TO 3/4" UNLESS OTHERWISE NOTED.
- MAXIMUM AGGREGATE SHALL BE AS FOLLOWS:
DILLED SHAFTS, GRADE BEAMS & SLABS-ON-GRADE - 1-1/2"
- ALL CONSTRUCTION JOINTS IN BEAMS SHALL BE KEVEYED USING A HORIZONTAL KEVWAY AND JOINT SHALL BE LOCATED AT MIDDLE THIRD OF SPAN. REINFORCING SHALL BE CONTINUOUS THROUGH JOINT.
- GRIND ALL CONSTRUCTION JOINTS IN SLABS SO AS TO PRODUCE A SMOOTH AND LEVEL SURFACE.
- FOR EXPOSED SLABS, AF-100 RECOMMENDS APPLYING AN EVAPORATION RETARDER TO THE CONCRETE SLAB TO PREVENT PLASTIC SHRINKAGE CRACKING. EVAPORATION RETARDER SHOULD BE APPLIED PRIOR TO SAWCUTTING AND APPLICATION OF THE CURING COMPOUND. THIS IS A RECOMMENDATION ONLY AND THE CONTRACTOR REMAINS RESPONSIBLE FOR SLAB FINISHING MEANS AND METHODS AND FOR THE QUALITY OF THE FLOOR FINISH.
- ALL EXPOSED CONCRETE TO RECEIVE RUBBED FINISH UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL:

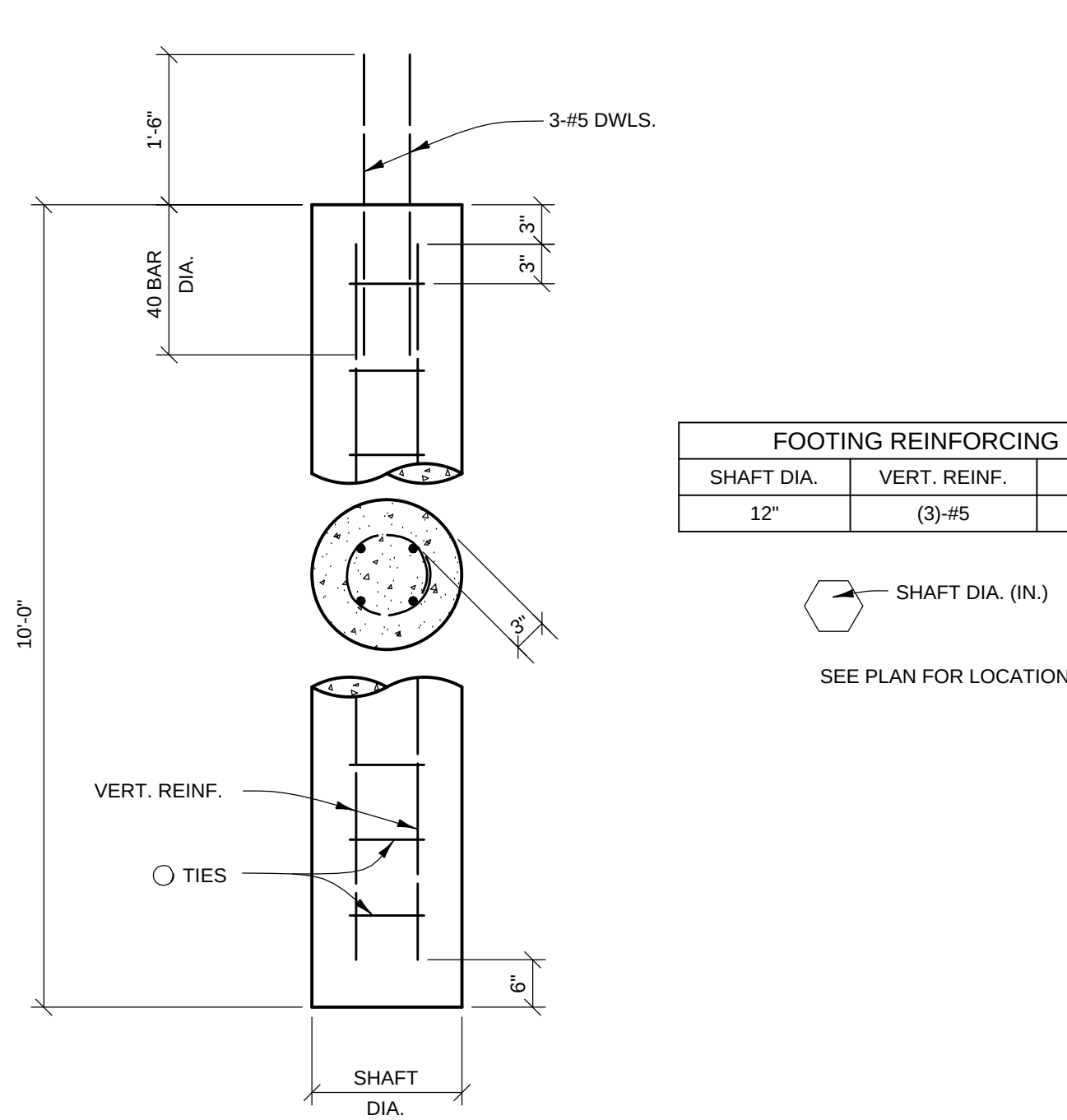
- ALL STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN." STEEL FOR WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A572 GRADE 50 OR ASTM A992, HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO ASTM A500 GRADE B (42-KSI). PIPES SHALL CONFORM TO ASTM A53 TYPE E OR S. ALL OTHER STRUCTURAL STEEL SHAPES AND PLATE SHALL CONFORM TO ASTM A36.
- LOAD-BEARING STRUCTURAL MEMBERS AND ASSEMBLIES FABRICATED IN THE SHOP SHALL BE INSPECTED PER IBC 1704.2.5.
- CONNECTIONS OF STRUCTURAL STEEL BEAMS TO COLUMNS AND BEAMS TO BEAMS SHALL BE BEARING TYPE WITH STANDARD CLIP ANGLES WITH THE MAXIMUM NUMBER OF BOLT ROWS USING 3" SPACING PERMITTED BY THE INDIVIDUAL BEAM SIZE, UNLESS NOTED OTHERWISE. STRUCTURAL STEEL FLOOR OR ROOF FILLER BEAMS CARRYING GRAVITY LOAD ONLY MAY BE CONNECTED TO GIRDERS USING SINGLE ANGLE SHEAR CONNECTIONS SIZED TO DEVELOP THE DESIGN REACTIONS SHOWN.
- ALL WELDING SHALL CONFORM TO THE RECOMMENDATIONS OF THE AWS, AND ALL WELDS, INCLUDING FIELD, SHALL BE MADE ONLY BY CERTIFIED WELDERS USING E70XX ELECTRODES.
- ALL STRUCTURAL BOLTS SHALL BE 3/4" DIAMETER ASTM A325-N, BEARING TYPE UNLESS NOTED OTHERWISE.
- ANCHOR RODS SHALL BE ASTM F1554 GRADE 36. ALL ANCHOR RODS SHALL BE SET WITH TEMPLATES. CEMENTITIOUS NON-SHRINK GROUT UNDER BASE PLATES AND BEARING PLATES SHALL HAVE A MINIMUM STRENGTH OF 6,000-PSI.
- ALL ROOF OPENINGS SMALLER THAN 12" IN PLAN SHALL BE FRAMED WITH L 3X3X1/4 ANGLES ON ALL SIDES. OPENINGS LARGER THAN 12" IN PLAN SHALL BE FRAMED AS REQUIRED TO CARRY THE LOADS APPLIED.
- ROOF PANELS SHALL BE 22 GAGE MASTERLOK-FS GALVALUME INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR MISCELLANEOUS STEEL ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS AND OBTAIN APPROVAL PRIOR TO FABRICATION.

QUALITY ASSURANCE:

- TESTING LABORATORY SHALL SUBMIT REPORTS INDICATING RESULTS AND OBSERVATIONS OF TESTS AND INSPECTIONS AND STATING COMPLIANCE OR NONCOMPLIANCE WITH CONTRACT DOCUMENTS TO ARCHITECT (STRUCTURAL ENGINEER) PER IBC 1704 AND 1705 AND GOVERNING CODE AUTHORITY. CONTRACTOR SHALL REIMBURSE OWNER FOR COSTS RELATED TO TESTS AND INSPECTIONS OF UNIDENTIFIABLE MATERIALS OR MATERIALS FURNISHED WITHOUT CERTIFIED LABORATORY TEST REPORTS, MATERIALS FOUND DEFICIENT AFTER INITIAL TESTS AND INSPECTIONS, OR MATERIALS REPLACING DEFICIENT MATERIALS. SEE SPECIFICATIONS FOR ADDITIONAL TEST AND INSPECTION REQUIREMENTS.
- PROVIDE CEMENT, AGGREGATES, REINFORCING STEEL, STRUCTURAL STEEL, HIGH-STRENGTH BOLTS, OPEN-WEB STEEL JOISTS, ETC., FROM IDENTIFIABLE TESTED STOCK. SUBMIT CERTIFIED LABORATORY TEST REPORTS TO ARCHITECT (STRUCTURAL ENGINEER) AND GOVERNING CODE AUTHORITY. IF MATERIALS CANNOT BE IDENTIFIED OR IF CERTIFIED LABORATORY TEST REPORTS CANNOT BE MADE AVAILABLE, TESTING LABORATORY WILL PERFORM TESTS TO DETERMINE CONFORMANCE WITH CONTRACT DOCUMENTS AS DIRECTED BY ARCHITECT (STRUCTURAL ENGINEER).
- TESTING LABORATORY SHALL PROVIDE SPECIAL INSPECTIONS, COMPLYING WITH IBC SECTION 1705 FOR THE FOLLOWING:
a. STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL PER TABLE 1705.2.2
b. STRUCTURAL STEEL CONSTRUCTION PER AISC 360-10
c. CONCRETE CONSTRUCTION PER TABLE 1705.3
d. CAST-IN-PLACE DEEP FOUNDATION ELEMENTS PER TABLE 1705.8
- SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE ARE NOT REQUIRED FOR THIS PROJECT.
- SPECIAL INSPECTIONS FOR WIND RESISTANCE ARE NOT REQUIRED FOR THIS PROJECT.

EXTERIOR LIGHT STEEL FRAMING:

- LIGHT STEEL FRAMING COMPONENT CALL-OUTS ARE PER CLARK STEEL FRAMING SYSTEMS. ALTERNATE EQUAL MEMBER SECTIONS MAY BE USED SUBJECT TO APPROVAL.
- WHERE STUD OR JOIST FRAMES ARE USED TO BUILD-OUT SOFFIT OR SIMILAR ARCHITECTURAL FEATURES, FASTEN STUDS TOGETHER AT ALL CONNECTIONS WITH A MINIMUM OF (4)#10-16 SCREWS.

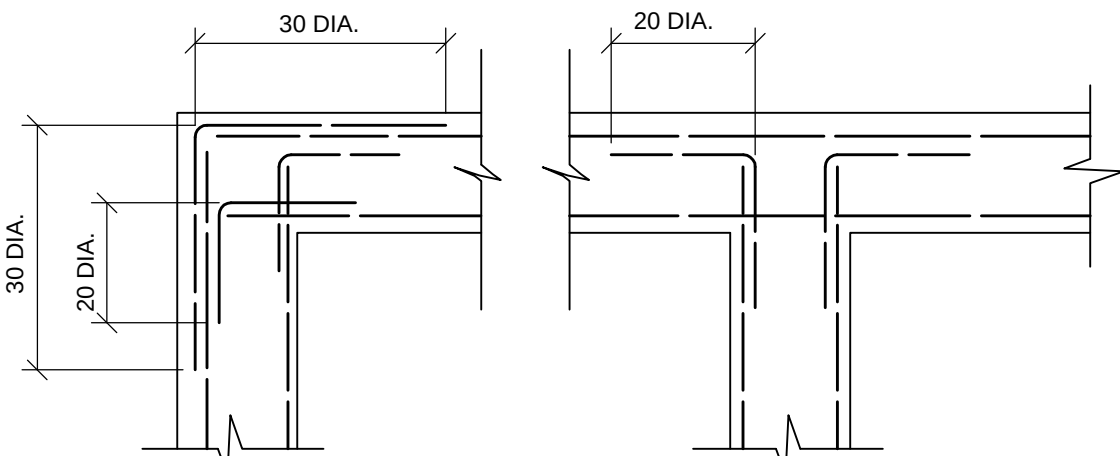


TYPICAL DRILLED SHAFT

FOOTING REINFORCING KEY		
SHAFT DIA.	VERT. REINF.	#3 TIES @
12"	(3) #5	12" O.C.

SHAFT DIA. (IN.)

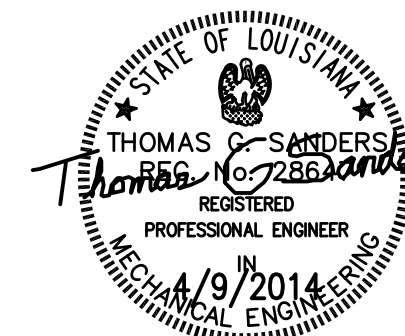
SEE PLAN FOR LOCATION



PLAN @ TYPICAL
CORNER REINFORCING

(FOR ALL REINFORCED CONCRETE BEAMS)

DESIGN WIND PRESSURE FOR COMPONENTS & CLADDING		
BUILDING AREA	ZONE	PRESSURE (PSF) (+) PRESSURE ACTING TOWARD SURFACE (-) PRESSURE ACTING AWAY FROM SURFACE
ROOF & WALLS	1	+7.6 -20.5
	2	+7.6 -27.5
	3	+7.6 -33.1
	4	+19.5 -21.3
	5	+19.5 -24.6
	4	47
	5	58



MECHANICAL DEMOLITION NOTES:

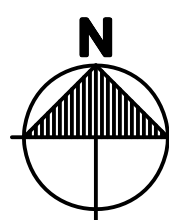
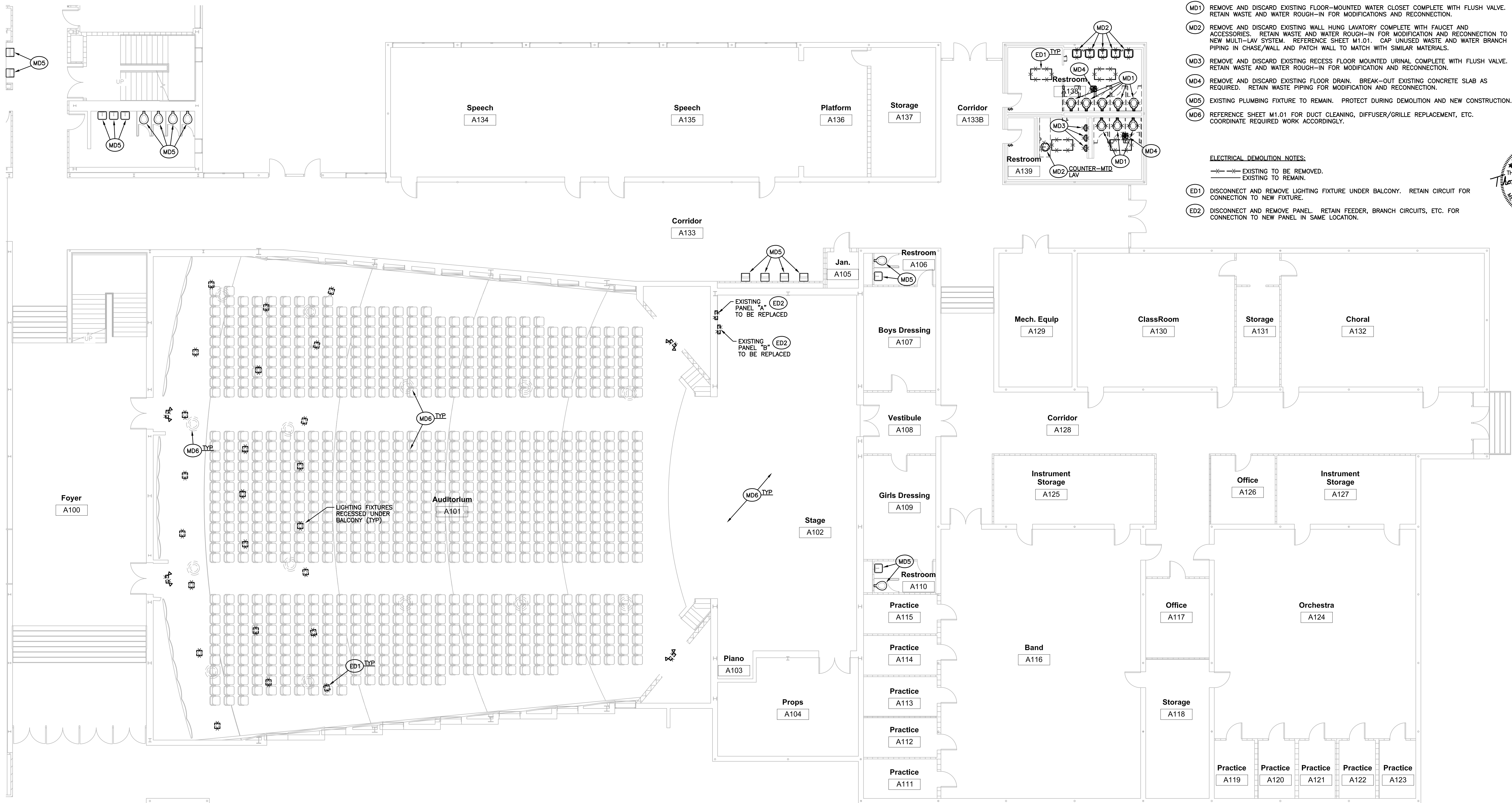
--- EXISTING TO BE REMOVED.
--- EXISTING TO REMAIN.

- (MD1) REMOVE AND DISCARD EXISTING FLOOR-MOUNTED WATER CLOSET COMPLETE WITH FLUSH VALVE. RETAIN WASTE AND WATER ROUGH-IN FOR MODIFICATIONS AND RECONNECTION.
- (MD2) REMOVE AND DISCARD EXISTING WALL HUNG LAVATORY COMPLETE WITH FAUCET AND ACCESSORIES. RETAIN WASTE AND WATER ROUGH-IN FOR MODIFICATION AND RECONNECTION TO NEW MULTI-LAV SYSTEM. REFERENCE SHEET M1.01. CAP UNUSED WASTE AND WATER BRANCH PIPING IN CHASE/WALL AND PATCH WALL TO MATCH WITH SIMILAR MATERIALS.
- (MD3) REMOVE AND DISCARD EXISTING RECESS FLOOR MOUNTED URINAL COMPLETE WITH FLUSH VALVE. RETAIN WASTE AND WATER ROUGH-IN FOR MODIFICATION AND RECONNECTION.
- (MD4) REMOVE AND DISCARD EXISTING FLOOR DRAIN. BREAK-OUT EXISTING CONCRETE SLAB AS REQUIRED. RETAIN WASTE PIPING FOR MODIFICATION AND RECONNECTION.
- (MD5) EXISTING PLUMBING FIXTURE TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.
- (MD6) REFERENCE SHEET M1.01 FOR DUCT CLEANING, DIFFUSER/GRILLE REPLACEMENT, ETC. COORDINATE REQUIRED WORK ACCORDINGLY.

ELECTRICAL DEMOLITION NOTES:

--- EXISTING TO BE REMOVED.
--- EXISTING TO REMAIN.

- (ED1) DISCONNECT AND REMOVE LIGHTING FIXTURE UNDER BALCONY. RETAIN CIRCUIT FOR CONNECTION TO NEW FIXTURE.
- (ED2) DISCONNECT AND REMOVE PANEL. RETAIN FEEDER, BRANCH CIRCUITS, ETC. FOR CONNECTION TO NEW PANEL IN SAME LOCATION.



BUILDING "A" - FIRST FLOOR PLAN - MECHANICAL & ELECTRICAL DEMOLITION

SCALE: 1/8"=1'-0"

Project No.

1303.02

Issue

Date

April 9, 2014

Sheet Title

Building "A" - First
Floor Plan -
Mechanical &
Electrical Demolition

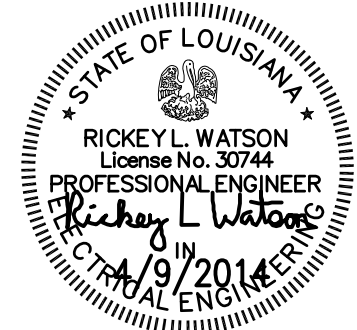
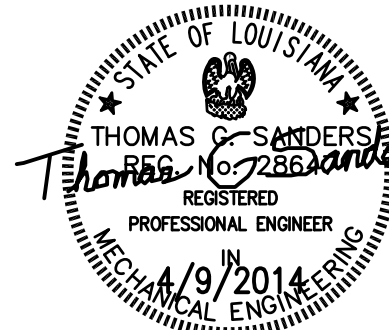
Sheet No.

MED1.01

Airline High Improvements

2801 Airline Drive, Bossier City, LA 71111

BPSB Project No. CM1211A



ELECTRICAL DEMOLITION NOTES:

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——— EXISTING TO REMAIN.

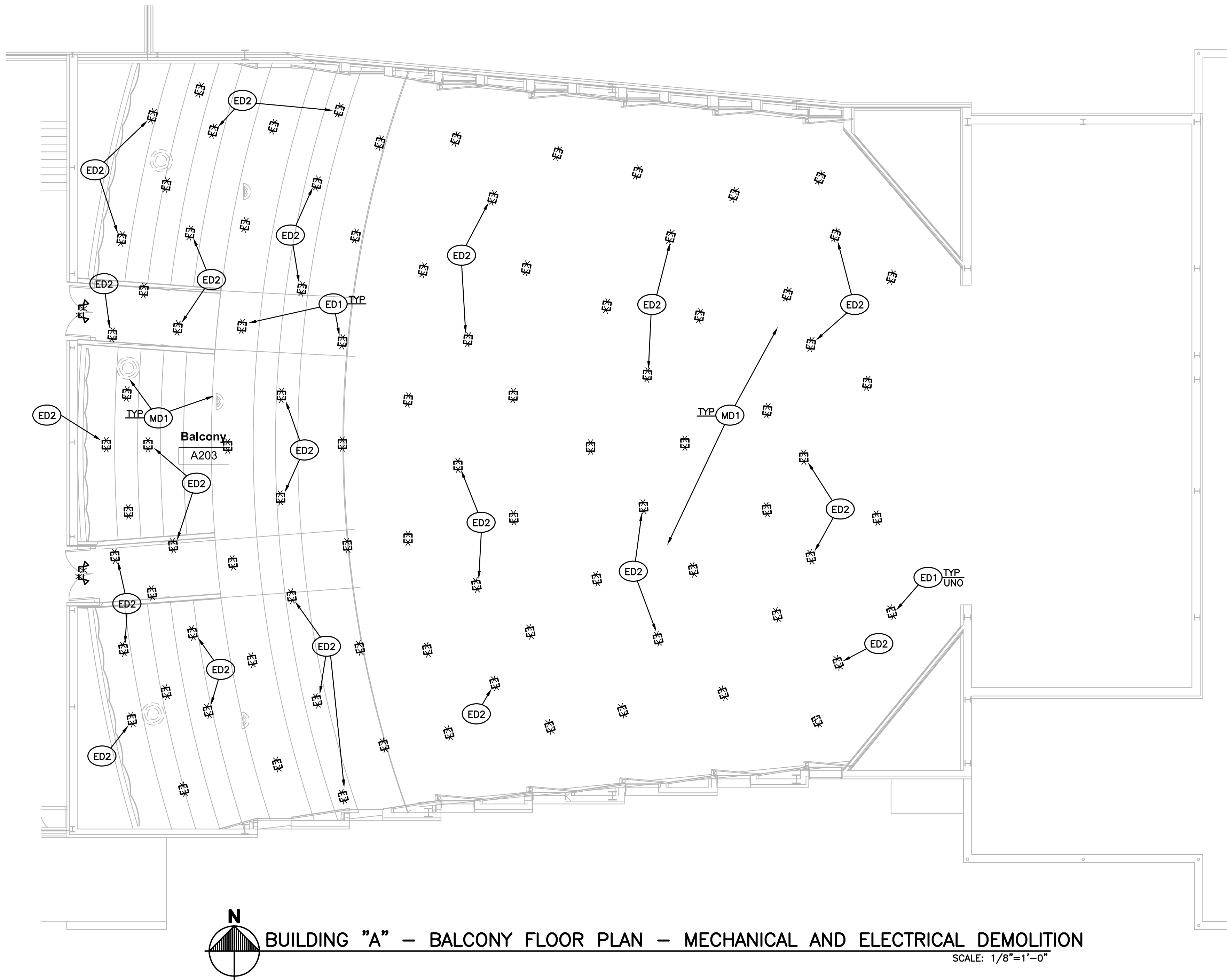
(ED1) DISCONNECT AND REMOVE LIGHTING FIXTURE. RETAIN CIRCUIT FOR CONNECTION TO NEW FIXTURE. RELOCATE CIRCUIT AS REQUIRED TO NEW FIXTURE LOCATION.

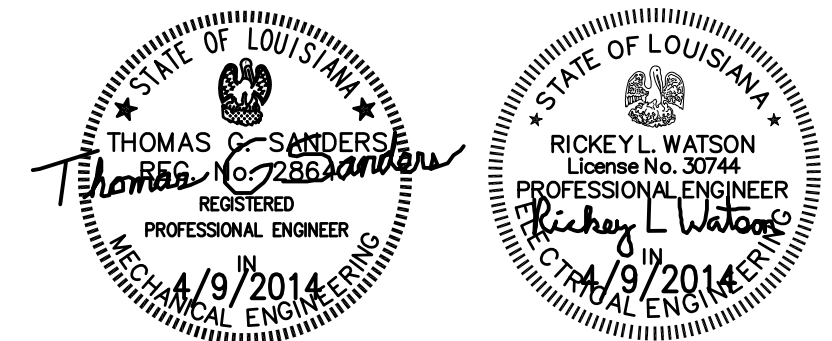
(ED2) DISCONNECT AND REMOVE LIGHTING FIXTURE, CONDUIT AND CONDUCTORS TO SOURCE. PATCH EXISTING BLOCKOUT. COORDINATE WITH ARCHITECT.

MECHANICAL DEMOLITION NOTES:

—X—X— EXISTING TO BE REMOVED.
——— EXISTING TO REMAIN.

(MD1) REFERENCE SHEET M1.01 FOR DUCT CLEANING, DIFFUSER/GRILLE REPLACEMENT, ETC. COORDINATE REQUIRED WORK ACCORDINGLY.





MECHANICAL DEMOLITION NOTES:

--- EXISTING TO BE REMOVED.
--- EXISTING TO REMAIN.

- (MD1) REMOVE AND DISCARD EXISTING FLOOR-MOUNTED WATER CLOSET COMPLETE WITH FLUSH VALVE. RETAIN WASTE AND WATER ROUGH-IN FOR MODIFICATIONS AND RECONNECTION.
- (MD2) REMOVE AND DISCARD EXISTING WALL HUNG LAVATORY COMPLETE WITH FAUCET AND ACCESSORIES. RETAIN WASTE AND WATER ROUGH-IN FOR MODIFICATION AND RECONNECTION TO NEW MULTI-LAV SYSTEM. REFERENCE SHEET M1.01. CAP UNUSED WASTE AND WATER BRANCH PIPING IN CHASE/WALL AND PATCH WALL TO MATCH WITH SIMILAR MATERIALS.
- (MD3) REMOVE AND DISCARD EXISTING RECESS FLOOR MOUNTED URINAL COMPLETE WITH FLUSH VALVE. RETAIN WASTE AND WATER ROUGH-IN FOR MODIFICATION AND RECONNECTION.
- (MD4) REMOVE AND DISCARD EXISTING FLOOR DRAIN. BREAK-OUT EXISTING CONCRETE SLAB AS REQUIRED. RETAIN WASTE PIPING FOR MODIFICATION AND RECONNECTION.
- (MD5) EXISTING PLUMBING FIXTURE TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.
- (MD6) EXISTING SHOWER WITH TRIM AND ACCESSORIES TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.

ELECTRICAL DEMOLITION NOTES:

--- EXISTING TO BE REMOVED.
--- EXISTING TO REMAIN.

- (ED1) DISCONNECT AND REMOVE LIGHTING FIXTURE. RETAIN BRANCH CIRCUIT FOR RE-USE. RELOCATE CIRCUIT AS REQUIRED TO NEW FIXTURE LOCATION.
- (ED2) ALL WORK IN LOBBY G-128 SHALL BE INCLUDED UNDER ALTERNATE #1.
- (ED3) ALL WORK IN TOILETS G-104 AND G-123 SHALL BE INCLUDED UNDER ALTERNATE #2.
- (ED4) DISCONNECT AND REMOVE PANEL. RETAIN FEEDER AND BRANCH CIRCUITS FOR CONNECTION TO NEW PANEL.
- (ED5) REMOVE ALL EXISTING SPECIAL SYSTEM DEVICES IN CEILING AND REINSTALL IN NEW CEILING.

Airline High Improvements

2801 Airline Drive, Bossier City, LA 71111

Project No.

1303.02

Issue

Date

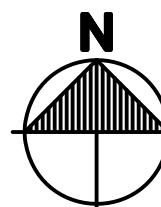
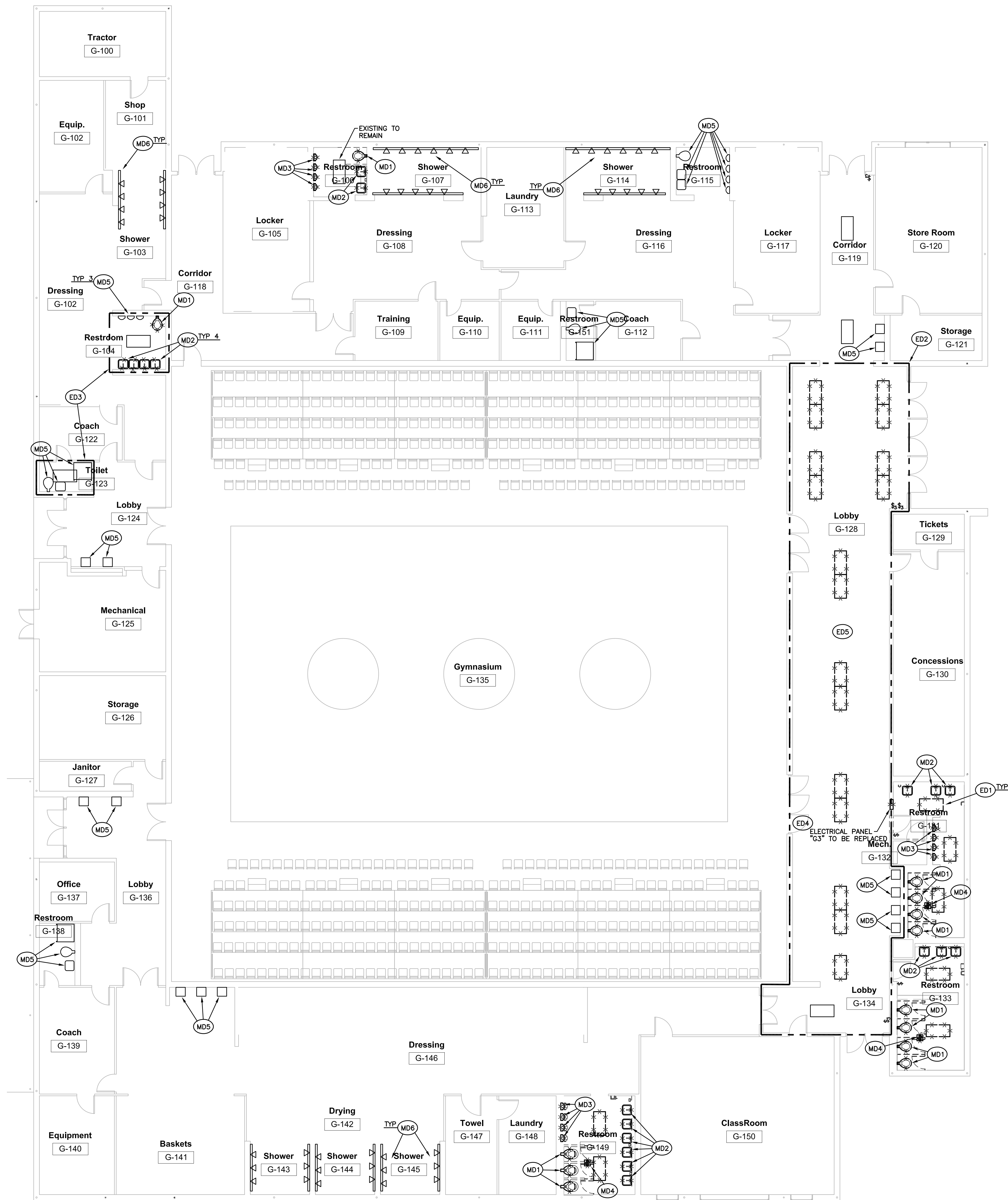
April 9, 2014

Sheet Title

Building "G" -
Floor Plan -
Mechanical &
Electrical Demolition

Sheet No.

MED1.03



BUILDING "G" - FLOOR PLAN - MECHANICAL & ELECTRICAL DEMOLITION

SCALE: 1/8"=1'-0"

ELECTRICAL DEMOLITION NOTES:

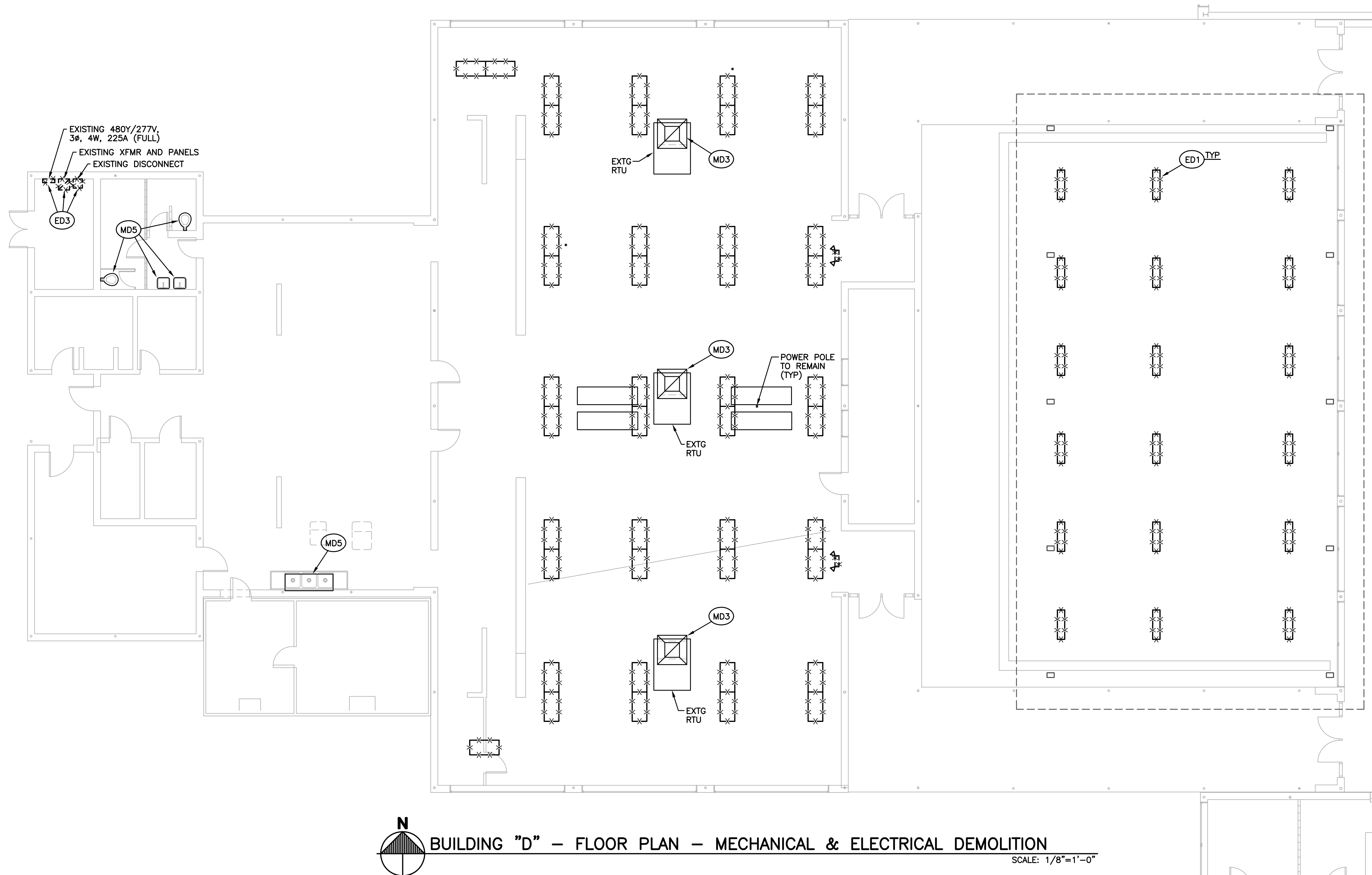
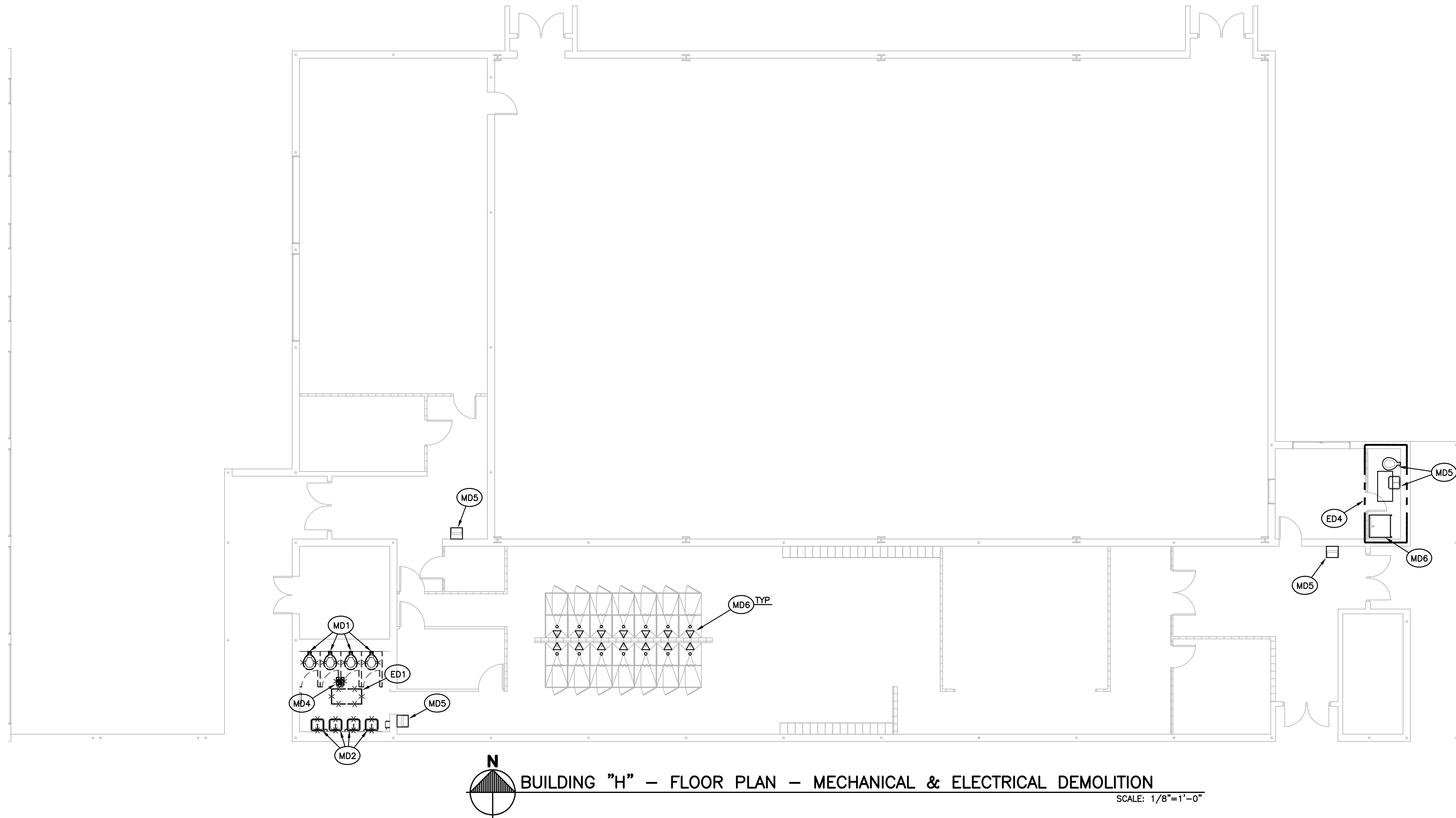
---X---X--- EXISTING TO BE REMOVED.
--- EXISTING TO REMAIN.

- (ED1) DISCONNECT AND REMOVE LIGHTING FIXTURES. RETAIN CIRCUIT FOR RE-USE. RELOCATE CIRCUIT AS REQUIRED TO NEW FIXTURE LOCATION.
(ED2) DISCONNECT EXHAUST FAN. REMOVE CONDUIT AND CONDUCTORS TO SOURCE.
(ED3) DISCONNECT AND REMOVE ELECTRICAL PANELS, DISCONNECTS, AND TRANSFORMERS. RETAIN ALL BRANCH CIRCUITS, FEEDERS, ETC. FOR CONNECTION TO NEW PANELS. COORDINATE ALL POWER OUTAGES WITH PRINCIPAL.
(ED4) ALL WORK IN ROOM H113 SHALL BE UNDER ALTERNATE #2.

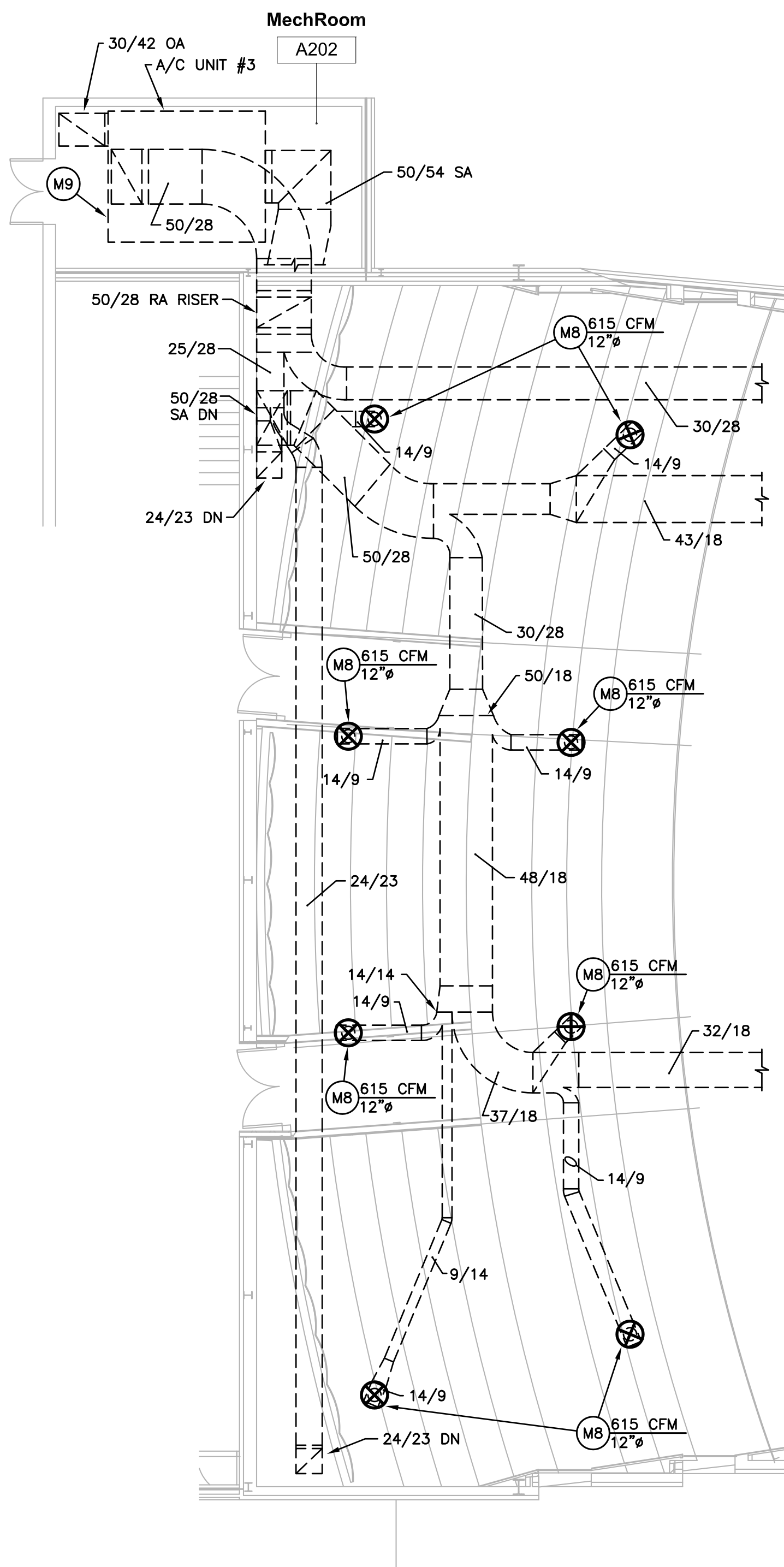
MECHANICAL DEMOLITION NOTES:

---X---X--- EXISTING TO BE REMOVED.
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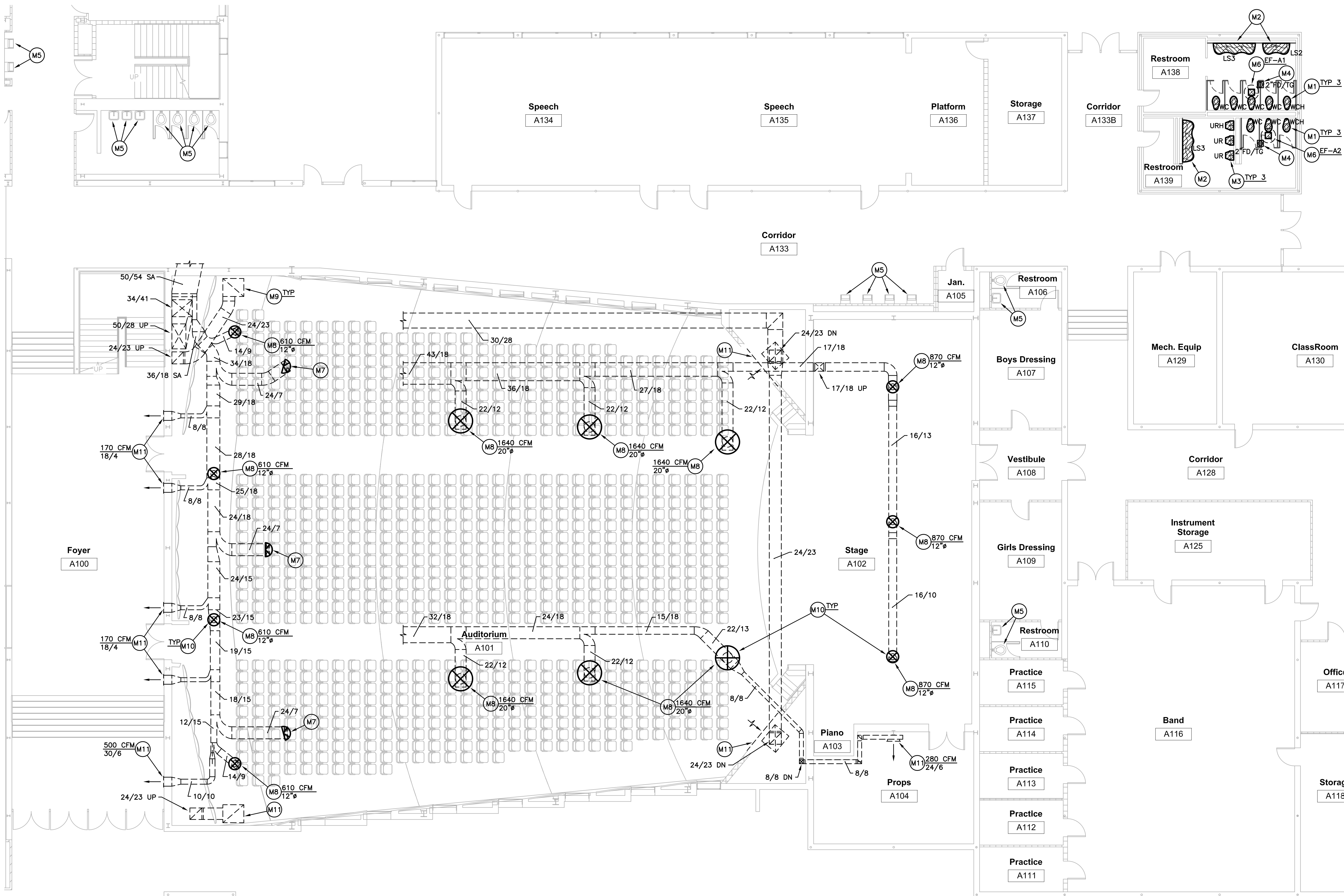
- (MD1) REMOVE AND DISCARD EXISTING FLOOR-MOUNTED WATER CLOSET COMPLETE WITH FLUSH VALVE. RETAIN WASTE AND WATER ROUGH-IN FOR MODIFICATIONS AND RECONNECTION.
(MD2) REMOVE AND DISCARD EXISTING WALL HUNG LAVATORY COMPLETE WITH FAUCET AND ACCESSORIES. RETAIN WASTE AND WATER ROUGH-IN FOR MODIFICATION AND RECONNECTION TO NEW MULTI-LAV SYSTEM. REFERENCE SHEET M1.01. CAP UNUSED WASTE AND WATER BRANCH PIPING IN CHASE/WALL AND PATCH WALL TO MATCH WITH SIMILAR MATERIALS.
(MD3) REFERENCE SHEET M1.03 FOR REMOVAL OF EXISTING CONCENTRIC DIFFUSER.
(MD4) REMOVE AND DISCARD EXISTING FLOOR DRAIN. BREAK-OUT EXISTING CONCRETE SLAB AS REQUIRED. RETAIN WASTE PIPING FOR MODIFICATION AND RECONNECTION.
(MD5) EXISTING PLUMBING FIXTURE TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.
(MD6) EXISTING SHOWER WITH TRIM AND ACCESSORIES TO REMAIN. PROTECT DURING DEMOLITION AND NEW CONSTRUCTION.



BUILDING "A" – UPPER BALCONY PLAN – MECHANICAL
SCALE: 1/8"=1'-0"



BUILDING "A" – FIRST FLOOR PLAN – MECHANICAL
SCALE: 1/8"=1'-0"

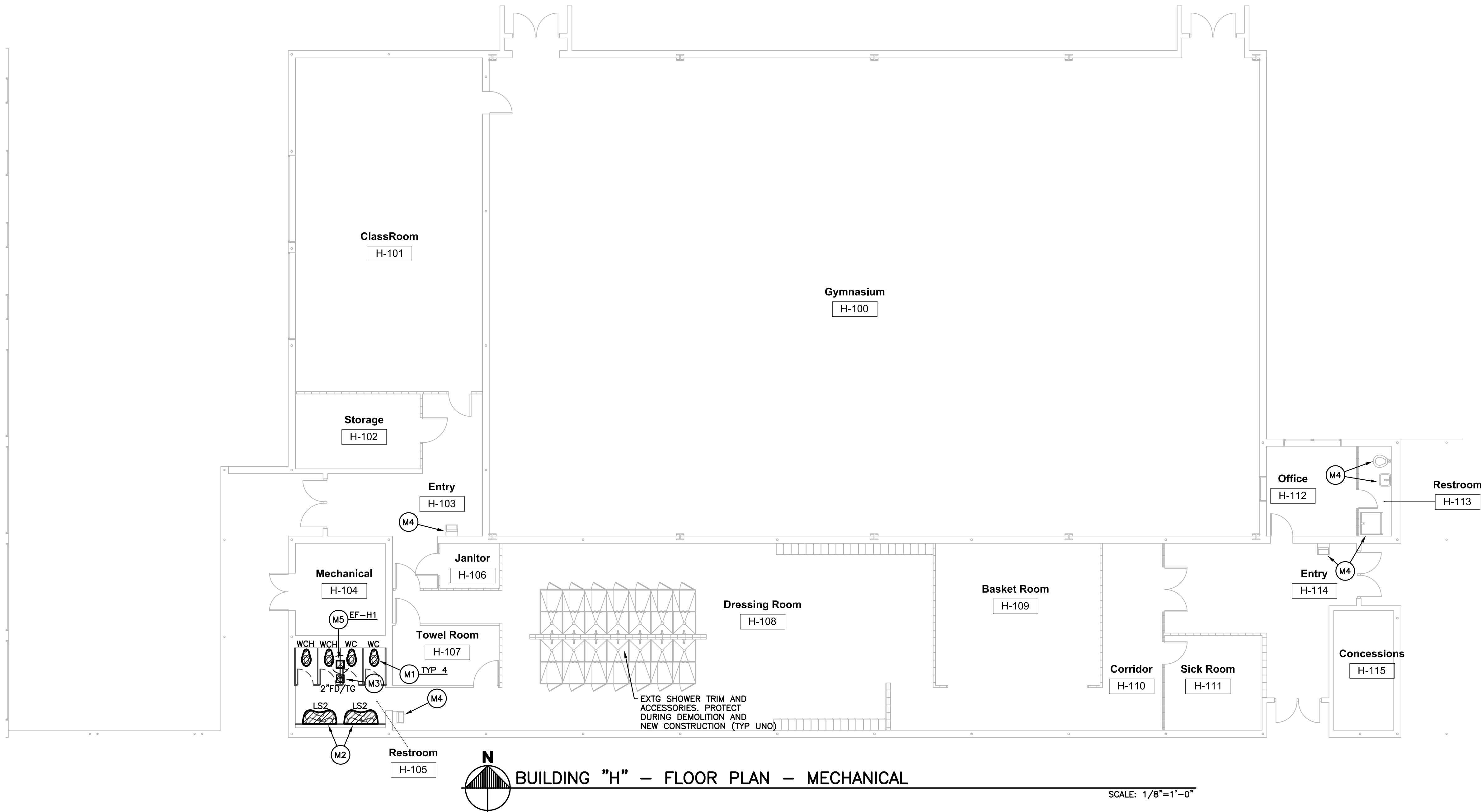


MECHANICAL NOTES:

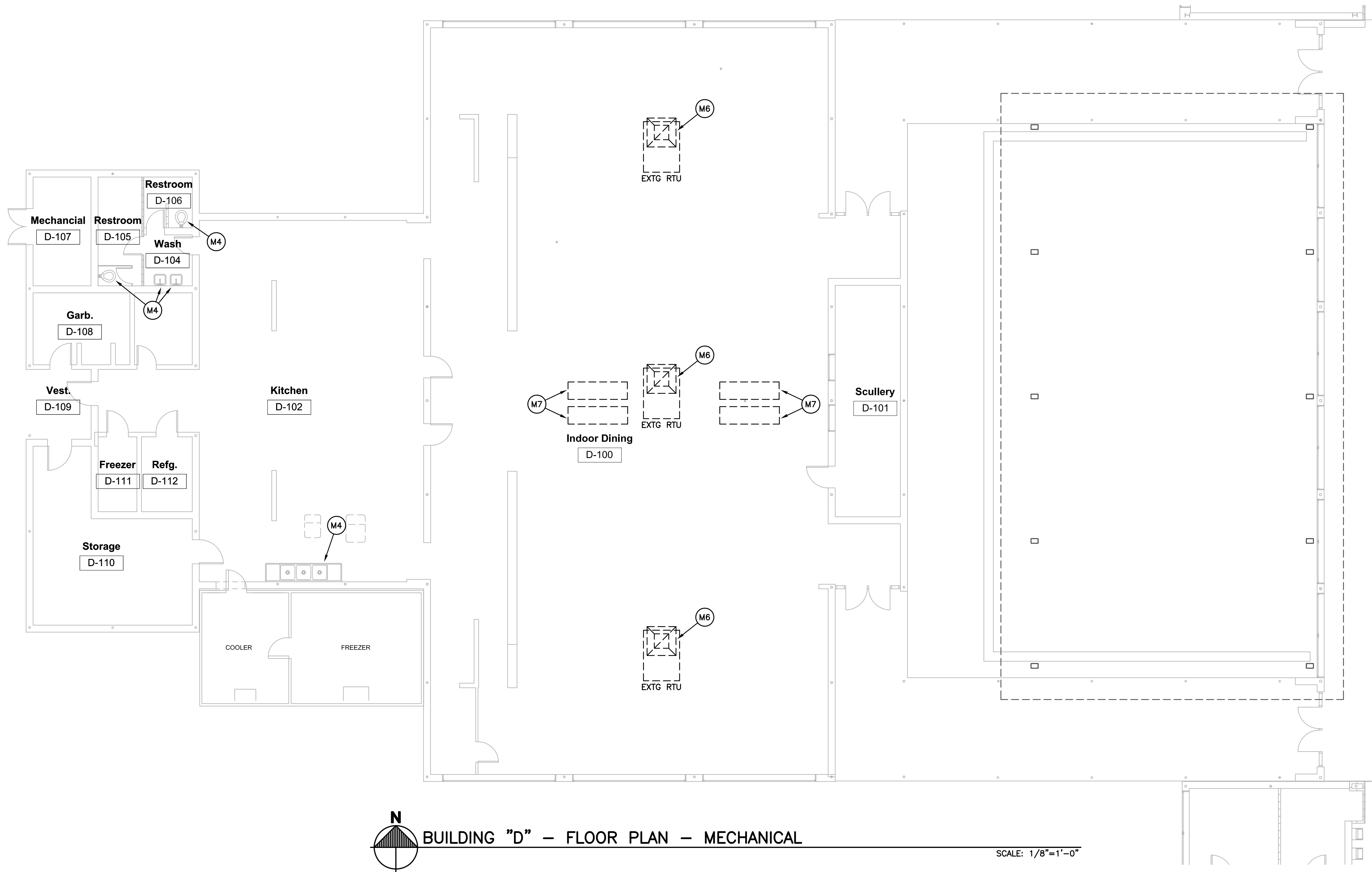
--- EXISTING TO REMAIN
--- NEW CONSTRUCTION

- (M1) MODIFY EXISTING WASTE AND WATER ROUGH-IN AT DEMOLISHED FLOOR-MOUNTED WATER CLOSET AS REQUIRED AND CONNECT TO NEW PLUMBING FIXTURE AS INDICATED; FIELD VERIFY EXISTING CONDITIONS; MODIFY ELEVATION OF WATER SUPPLY STUB-OUT AS REQUIRED FOR NEW FIXTURE MOUNTING HEIGHT; REFERENCE ARCHITECTURAL PLANS AND ELEVATIONS; PROVIDE NEW WAX RING GAS SEAL AND NEW FLUSH VALVE, ETC. AS REQUIRED FOR A COMPLETE, FULLY-FUNCTIONAL INSTALLATION.
- (M2) MODIFY EXISTING WASTE AND WATER ROUGH-IN AT DEMOLISHED WALL HUNG LAVATORIES AS REQUIRED AND CONNECT NEW LAVATORY SYSTEM AS INDICATED; FIELD VERIFY EXISTING CONDITIONS; MODIFY ELEVATION OF WATER SUPPLY STUB-OUT AS REQUIRED FOR NEW FIXTURE MOUNTING HEIGHT; REFERENCE ARCHITECTURAL PLANS AND ELEVATIONS; PROVIDE NEW KEYED ANGLE-STOP SUPPLIES, POLISHED-CHROME PLATED P-TRAP WITH CLEANOUT, ETC. AS REQUIRED FOR A COMPLETE, FULLY-FUNCTIONAL INSTALLATION; WHERE HOT WATER ROUGH-IN DOES NOT EXIST, PROVIDE (2) TWO INDIVIDUAL COLD WATER SUPPLY CONNECTIONS TO LAVATORY SYSTEM MIXING VALVE, ONE TO EACH CONNECTION.
- (M3) MODIFY EXISTING WASTE AND WATER ROUGH-IN AT DEMOLISHED FLOOR-MOUNTED URINALS AS REQUIRED AND CONNECT TO NEW PLUMBING FIXTURE AS INDICATED; PROVIDE NEW FLUSH VALVE, ETC. AS INDICATED FOR A COMPLETE, FULLY-FUNCTIONAL INSTALLATION. FIELD VERIFY EXISTING CONDITIONS.
- (M4) MODIFY EXISTING WASTE ROUGH-IN AS REQUIRED AT DEMOLISHED FLOOR DRAIN AND CONNECT NEW FLOOR DRAIN AS INDICATED; EXISTING SIZE AS NOTED. PROVIDE VANDAL-PROOF HARDWARE AS SPECIFIED AND NEW TRAP GUARD INSERT; FIELD COORDINATE FINISHED ELEVATION OF STRAINER WITH NEW FLOOR FINISH. REFER: ARCHITECTURAL PLANS AND ROOM FINISH SCHEDULE.
- (M5) EXISTING PLUMBING FIXTURE. PROTECT DURING NEW CONSTRUCTION.
- (M6) NEW ROOF-MOUNTED EXHAUST FAN ON NEW CURB. FIELD COORDINATE EXACT LOCATION WITH EXISTING ROOF FRAMING, STRUCTURE, AND SEAL ROOF PENETRATION WATER-TIGHT. PROVIDE BOOT CONNECTION OVER CURB AND EXTEND FULL-SIZE ALUMINUM DUCT DOWN THROUGH CURB, TRANSITION IN VERTICAL TO 26/14 AND CONNECT TO NEW 24/12 ALUMINUM EXHAUST SURFACE-MOUNTED GRILLE WITH ALUMINUM OBD (PRICE 800 OR EQUAL).

- (M7) INSTALL NEW HALF-ROUND CEILING DIFFUSER (EQUAL TO CARNES SSHA12001G 20" NECK, KXHA EQUALIZING GRID, KXJA OPPOSED BLADE DAMPER AND GASKET). MODIFY EXISTING CEILING OPENING AND EXISTING DUCT DROP AS REQUIRED FOR INSTALLATION AND CONNECTION. MEASURE, VERIFY AND RECORD AIRFLOW OF 820 CFM. FIELD VERIFY EXISTING CONDITIONS.
- (M8) INSTALL NEW ROUND ADJUSTABLE CONE CEILING DIFFUSER (EQUAL TO PRICE RCDA WITH FULLY ADJUSTABLE CORE, SAFETY CHAIN, OBD, AND EQUALIZING GRID). MODIFY EXISTING CEILING OPENING AND EXISTING DUCT DROP AS REQUIRED FOR INSTALLATION AND CONNECTION. FIELD VERIFY EXISTING CONDITIONS, AIRFLOW AND NECK SIZE AS NOTED. ADJUST AIRFLOW AT DIFFUSERS IN LOW CEILING AREAS (BELOW BALCONY) FOR HORIZONTAL AIRFLOW AND DIFFUSERS IN HIGH CEILING AREA FOR VERTICAL AIRFLOW. MEASURE AND RECORD FINAL AIRFLOW AFTER INSTALLATION IS COMPLETE.
- (M9) CLEAN ALL EXISTING BUILDING "A" DUCTWORK PER SPECIFICATIONS; EXISTING DUCT SIZES/LAYOUT AS INDICATED AND NOTED.
- (M10) PROVIDE MINIMUM 2" THICK 3LB/FT³ DENSITY DUCTWRAP AT ALL EXISTING DUCT DROPS TO REPLACEMENT DIFFUSERS AND OVER ALL BACKPANS OF NEW DIFFUSERS. SEAL AIR AND VAPOR TIGHT WITH PRESSURE SENSITIVE 4" WIDE FOIL TAPE.
- (M11) REMOVE, STEAM CLEAN, REPAINT AND REINSTALL EXISTING SIDEWALL SUPPLY AIR DIFFUSER/RETURN AIR GRILLE. MEASURE AND RECORD FINAL AIRFLOW AFTER COMPLETION OF WORK. EXISTING SIZE AND AIRFLOW AS NOTED.
- (M12) CONTRACTOR SHALL MEASURE AND RECORD EXISTING AIRFLOW AT ALL AIR DEVICES ON EXISTING SYSTEM (A/C UNIT #3) AND EXISTING A/C UNIT #3 PERFORMANCE AS INDICATED. SUBMIT AIRFLOW REPORT PRIOR TO WORK OF ANY KIND.



- MECHANICAL NOTES:**
- EXISTING TO REMAIN
--- NEW CONSTRUCTION
- (M1) MODIFY EXISTING WASTE AND WATER ROUGH-IN AT DEMOLISHED FLOOR-MOUNTED WATER CLOSET AS REQUIRED AND CONNECT TO NEW PLUMBING FIXTURE, AS INDICATED; FIELD VERIFY EXISTING CONDITIONS. MODIFY ELEVATION OF WATER SUPPLY STUB-OUT AS REQUIRED FOR NEW FIXTURE MOUNTING HEIGHT; REFERENCE ARCHITECTURAL PLANS AND ELEVATIONS. PROVIDE NEW WAX RING GAS SEAL AND NEW FLUSH VALVE, ETC. AS REQUIRED FOR A COMPLETE, FULLY-FUNCTIONAL INSTALLATION.
- (M2) MODIFY EXISTING WASTE AND WATER ROUGH-IN AT DEMOLISHED WALL HUNG LAVATORIES AS REQUIRED AND CONNECT NEW LAVATORY SYSTEM AS INDICATED; FIELD VERIFY EXISTING CONDITIONS. MODIFY ELEVATION OF WATER SUPPLY STUB-OUT AS REQUIRED FOR NEW FIXTURE MOUNTING HEIGHT; REFERENCE ARCHITECTURAL PLANS AND ELEVATIONS. PROVIDE NEW KEYED ANGLE-STOP SUPPLIES, POLISHED-CHROME PLATED P-TRAP WITH CLEANOUT, ETC. AS REQUIRED FOR A COMPLETE, FULLY-FUNCTIONAL INSTALLATION. WHERE HOT WATER ROUGH-IN DOES NOT EXIST, PROVIDE (2) TWO INDIVIDUAL COLD WATER SUPPLY CONNECTIONS TO LAVATORY SYSTEM MIXING VALVE, ONE TO EACH CONNECTION.
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- (M4) EXISTING PLUMBING FIXTURE. PROTECT DURING NEW CONSTRUCTION.
- (M5) NEW ROOF-MOUNTED EXHAUST FAN ON NEW CURB. FIELD COORDINATE EXACT LOCATION WITH EXISTING ROOF FRAMING, STRUCTURE, ETC. SAWCUT AND SLEEVE EXISTING ROOF DECK FLASH, COUNTERTOP FLASH AND SEAL ROOF PENETRATION WATER-TIGHT. PROVIDE BOOT CONNECTION OVER CURB AND EXTEND FULL-SIZE ALUMINUM DUCT DOWN THROUGH CURB, TRANSITION IN VERTICAL TO 14/14 AND CONNECT TO NEW 12/12 ALUMINUM EXHAUST GRILLE WITH ALUMINUM OBD (PRICE BOD OR EQUAL).
- (M6) EXISTING CONCENTRIC SUPPLY/RETURN AIR ASSEMBLY. REMOVE AND REINSTALL AT NEW FINISHED CEILING ELEVATION; EXTEND EXISTING DUCTS, SUSPENSION DEVICES, SUPPORTS, ETC AS REQUIRED. FIELD VERIFY EXISTING CONDITIONS. STEAM CLEAN ASSEMBLY PRIOR TO REINSTALLATION.
- (M7) PROVIDE NEW 20 GAUGE GALVANIZED STEEL BLANK-OF PLATE OVER EXISTING 24/96 CEILING RETURN/EXHAUST GRILLE AND SEAL AIR-TIGHT.



MECHANICAL NOTES:

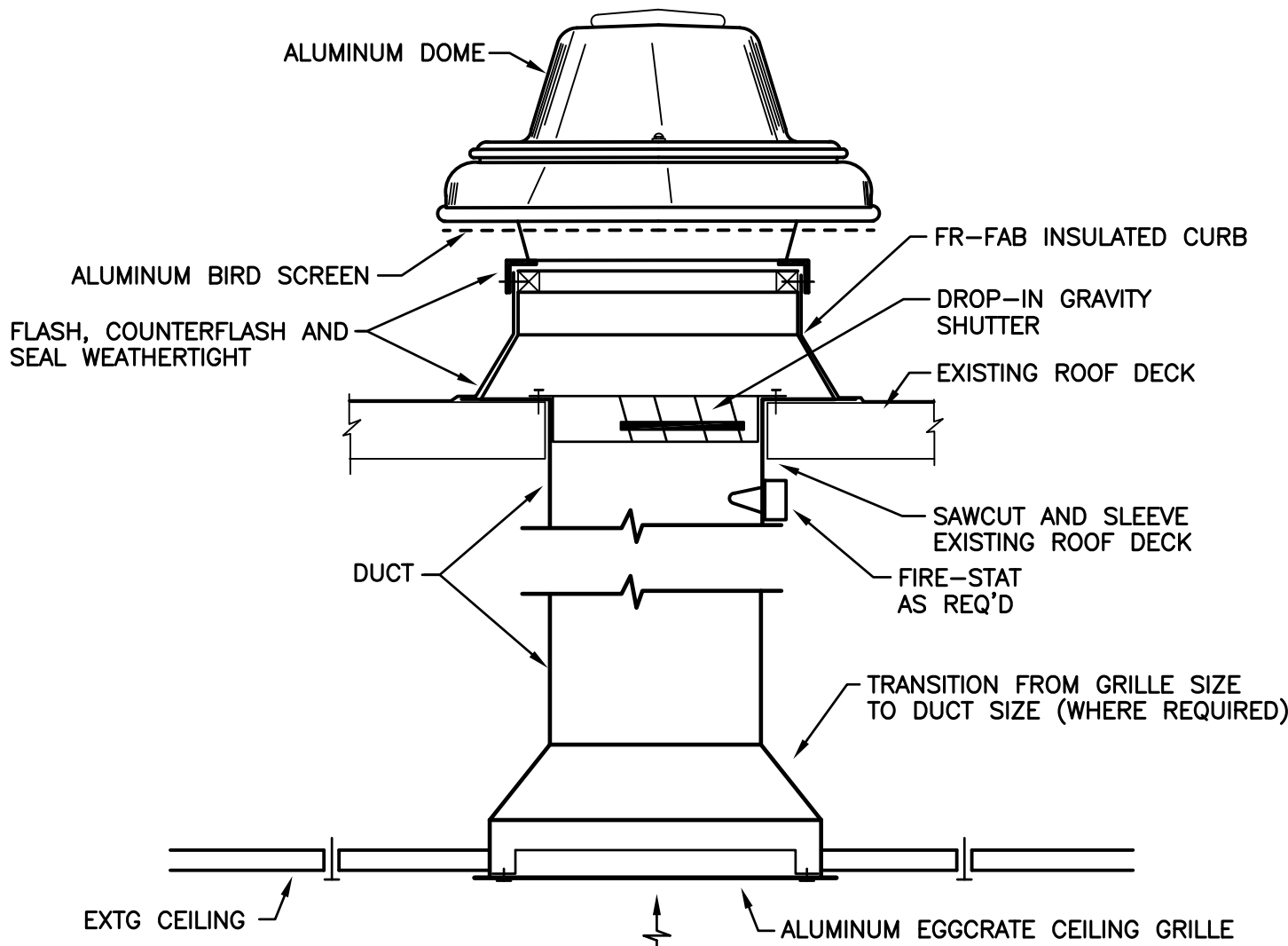
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--- NEW CONSTRUCTION

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- (M7) NEW ROOF-MOUNTED EXHAUST FAN ON NEW CURB. FIELD COORDINATE EXACT LOCATION WITH EXISTING ROOF FRAMING, STRUCTURE, AND SEAL ROOF PENETRATION WATER-TIGHT. PROVIDE BOOT CONNECTION OVER CURB AND EXTEND FULL-SIZE ALUMINUM DUCT DOWN THROUGH CURB, TRANSITION IN VERTICAL TO 28/14 AND CONNECT TO NEW 24/12 ALUMINUM EXHAUST SURFACE-MOUNTED GRILLE WITH ALUMINUM OBD (PRICE 800 OR EQUAL).

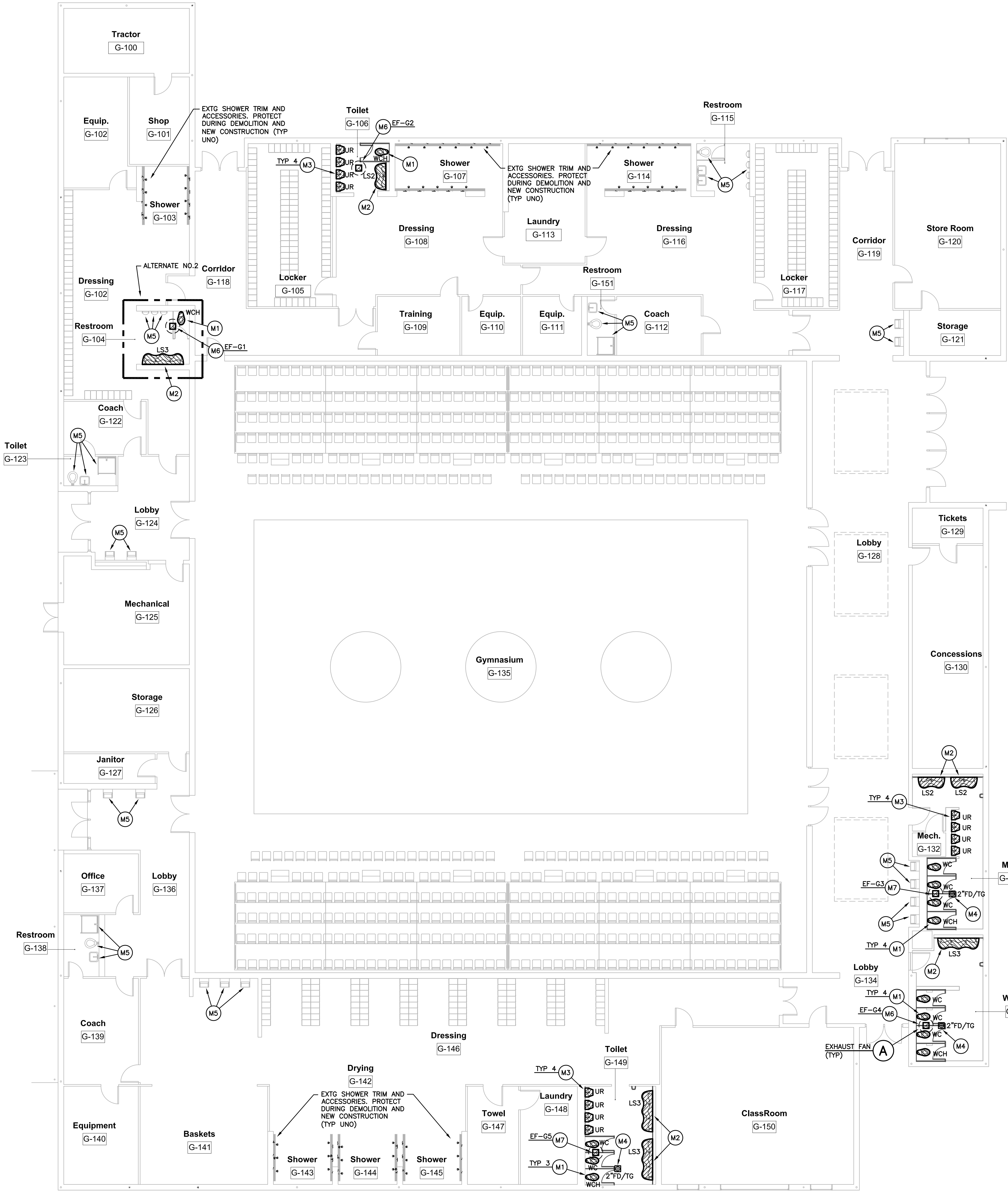
FAN SCHEDULE

EF DESIG.	SERVES MOUNT	CFM	EXT. S.P.	RPM	H.P. (WATTS)	VOLTS PHASE	MFG./PART NO.	SONES	DRIVE	REMARKS/ACCESSORIES
EF-A1	RESTROOM A-138 ROOF	380	0.25"	1550	VG-1/4	115/1	GREENHECK G-080-VG	7.2	DIRECT	PROVIDE WITH HEAVY-DUTY DISC SWITCH; BACKDRAFT DMPR; BIRDSCREEN; HINGED CURB CAP W/ TRAVEL RESTRAINTS; INSULATED FACTORY ROOF CURB; CURB EXTENSION; EC MOTOR
EF-A2	RESTROOM A-139 ROOF	460	0.25"	1550	VG-1/6	115/1	GREENHECK G-085-VG	7.4	DIRECT	PROVIDE WITH HEAVY-DUTY DISC SWITCH; BACKDRAFT DMPR; BIRDSCREEN; HINGED CURB CAP W/ TRAVEL RESTRAINTS; INSULATED FACTORY ROOF CURB; CURB EXTENSION; EC MOTOR
EF-G1	RESTROOM G-104 ROOF	300	0.25"	1550	VG-1/6	115/1	GREENHECK G-070-VG	4.9	DIRECT	PROVIDE WITH HEAVY-DUTY DISC SWITCH; BACKDRAFT DMPR; BIRDSCREEN; HINGED CURB CAP W/ TRAVEL RESTRAINTS; INSULATED FACTORY ROOF CURB; CURB EXTENSION; EC MOTOR
EF-G2	TOILET G-106 ROOF	380	0.25"	1550	VG-1/4	115/1	GREENHECK G-080-VG	7.2	DIRECT	PROVIDE WITH HEAVY-DUTY DISC SWITCH; BACKDRAFT DMPR; BIRDSCREEN; HINGED CURB CAP W/ TRAVEL RESTRAINTS; INSULATED FACTORY ROOF CURB; CURB EXTENSION; EC MOTOR
EF-G3	MEN G-131 ROOF	600	0.25"	1070	VG-1/4	115/1	GREENHECK G-089-VG	6.7	DIRECT	PROVIDE WITH HEAVY-DUTY DISC SWITCH; BACKDRAFT DMPR; BIRDSCREEN; HINGED CURB CAP W/ TRAVEL RESTRAINTS; INSULATED FACTORY ROOF CURB; CURB EXTENSION; EC MOTOR
EF-G4	WOMEN G-133 ROOF	300	0.25"	1550	VG-1/6	115/1	GREENHECK G-070-VG	4.9	DIRECT	PROVIDE WITH HEAVY-DUTY DISC SWITCH; BACKDRAFT DMPR; BIRDSCREEN; HINGED CURB CAP W/ TRAVEL RESTRAINTS; INSULATED FACTORY ROOF CURB; CURB EXTENSION; EC MOTOR
EF-G5	TOILET G-149 ROOF	550	0.25"	1000	VG-1/4	115/1	GREENHECK G-099-VG	5.8	DIRECT	PROVIDE WITH HEAVY-DUTY DISC SWITCH; BACKDRAFT DMPR; BIRDSCREEN; HINGED CURB CAP W/ TRAVEL RESTRAINTS; INSULATED FACTORY ROOF CURB; CURB EXTENSION; EC MOTOR
EF-H1	RESTROOM H-105 ROOF	300	0.25"	1550	VG-1/6	115/1	GREENHECK G-070-VG	4.9	DIRECT	PROVIDE WITH HEAVY-DUTY DISC SWITCH; BACKDRAFT DMPR; BIRDSCREEN; HINGED CURB CAP W/ TRAVEL RESTRAINTS; INSULATED FACTORY ROOF CURB; CURB EXTENSION; EC MOTOR

THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT VOLTAGE & PHASE OF EACH AND EVERY EQUIPMENT ITEM WITH THE ELECTRICAL CONTRACTOR, PRIOR TO ORDER.
NOTE - ALL ROOF MOUNTED FANS SHALL BE PROVIDED WITH FACTORY FABRICATED INSULATED ROOF CURBS, FLASHED, COUNTER-FLASHED AND SEALED WEATHERTIGHT. REFERENCE ARCHITECTURAL PLANS, DETAILS AND SPECIFICATIONS FOR DETAILED FLASHING AND SEALING REQUIREMENTS.

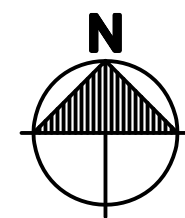


DETAIL - ROOF MOUNTED EXHAUST FAN
NO SCALE



BUILDING "G" - FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"



BUILDING "A" — FIRST FLOOR PLAN — ELECTRICAL

SCALE: 1/8"=1'-0"

ELECTRICAL NOTES:

--- EXISTING TO REMAIN
— NEW CONSTRUCTION

- (E1) EXTEND AND CONNECT TO EXISTING CIRCUITS FROM PANEL "A". LOCATE SWITCH IN NEW SWITCH BANK ADJACENT TO ELECTRICAL PANEL. COMBINE EXISTING CIRCUITS AT PANEL FOR INDICATED OPERATION.
- (E2) CONNECT NEW FIXTURE TO EXISTING CIRCUIT RETAINED FROM DEMOLITION.
- (E3) PROVIDE COVER PLATE OVER EXISTING LIGHTING FIXTURE OPENINGS WITH OPENING FOR NEW JUNCTION BOX. COORDINATE WITH ARCHITECT.
- (E4) SURFACE MOUNT SWITCHES AND EMT CONDUIT ON BRICK WALL. ROUTE CONDUIT VERTICAL INTO MEZZANINE ATTIC SPACE. PAINT TO MATCH WALL.
- (E5) 6-GANG SWITCHBANK FOR HOUSE LIGHTING CIRCUITS.
- (E6) INSTALL NEW PANELS AT EXISTING LOCATION. PANEL "A" MAY BE SURFACE MOUNTED OVER EXISTING WALL BLOCKOUT. CONNECT EXISTING FEEDERS AND BRANCH CIRCUITS TO NEW PANELS.
- (E7) PROVIDE A 90 MINUTE MINIMUM, 1400 LUMEN, SELF DIAGNOSTIC BATTERY PACK, BODINE OR EQUAL, CONNECTED TO UNSWITCHED CONDUCTORS.
- (E8) 3 GANG SWITCH BANK FOR FIXTURES T1 AND T2.
- (E9) INTERLOCK EXHAUST FAN WITH ROOM LIGHTING CIRCUIT. PROVIDE ALL RELAYS, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM.

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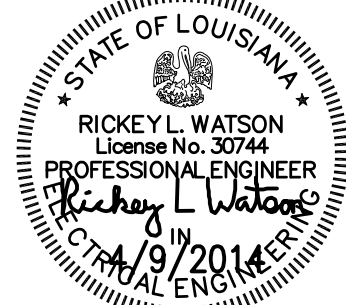
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Seal



Airline High Improvements

2801 Airline Drive, Bossier City, LA 71111

BPSB Project No. CM1211A

Project No.

1303.02

Issue

Date

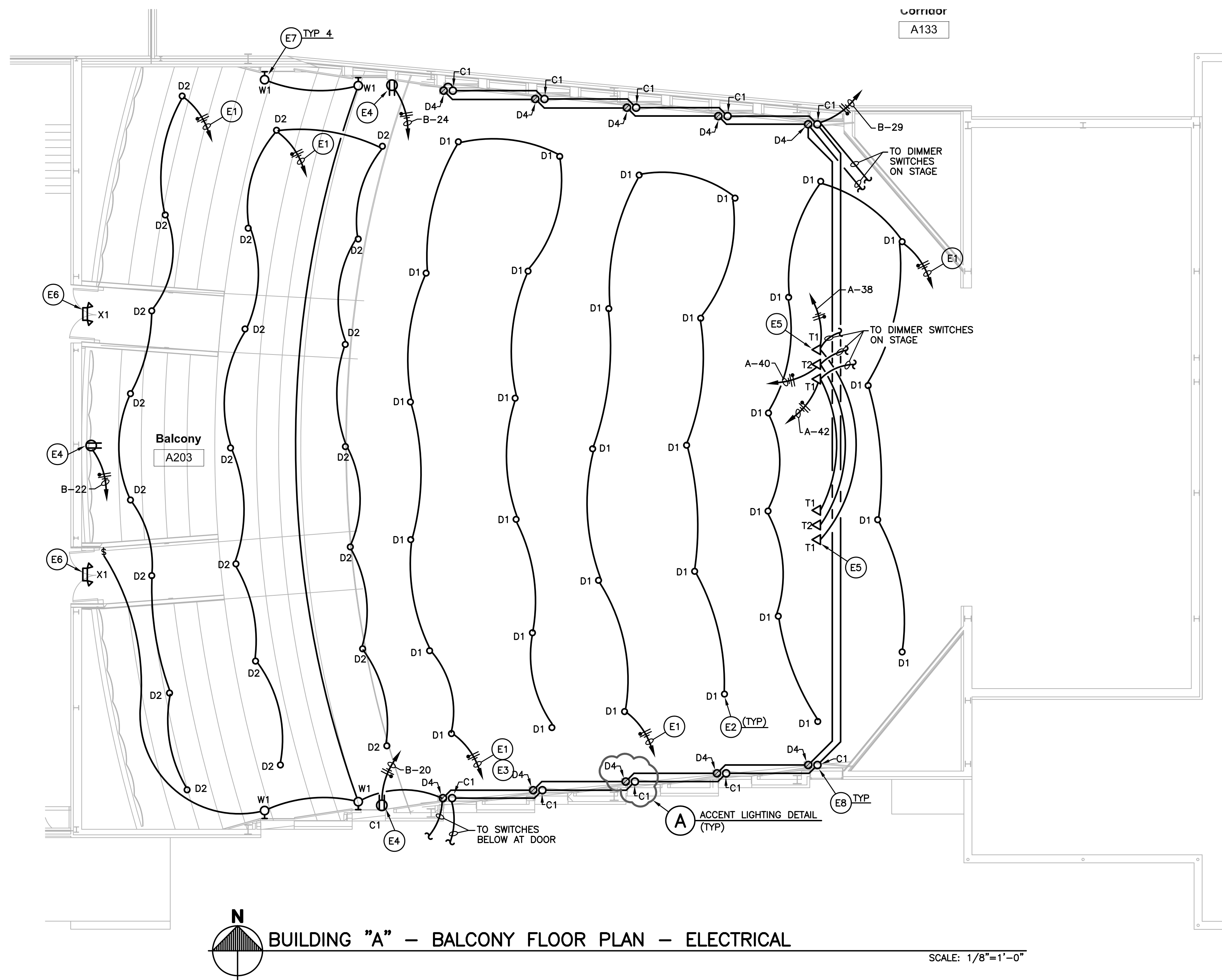
April 9, 2014

Sheet Title

Building "A" -
Auditorium Second
Floor Plan -
Electrical

Sheet No.

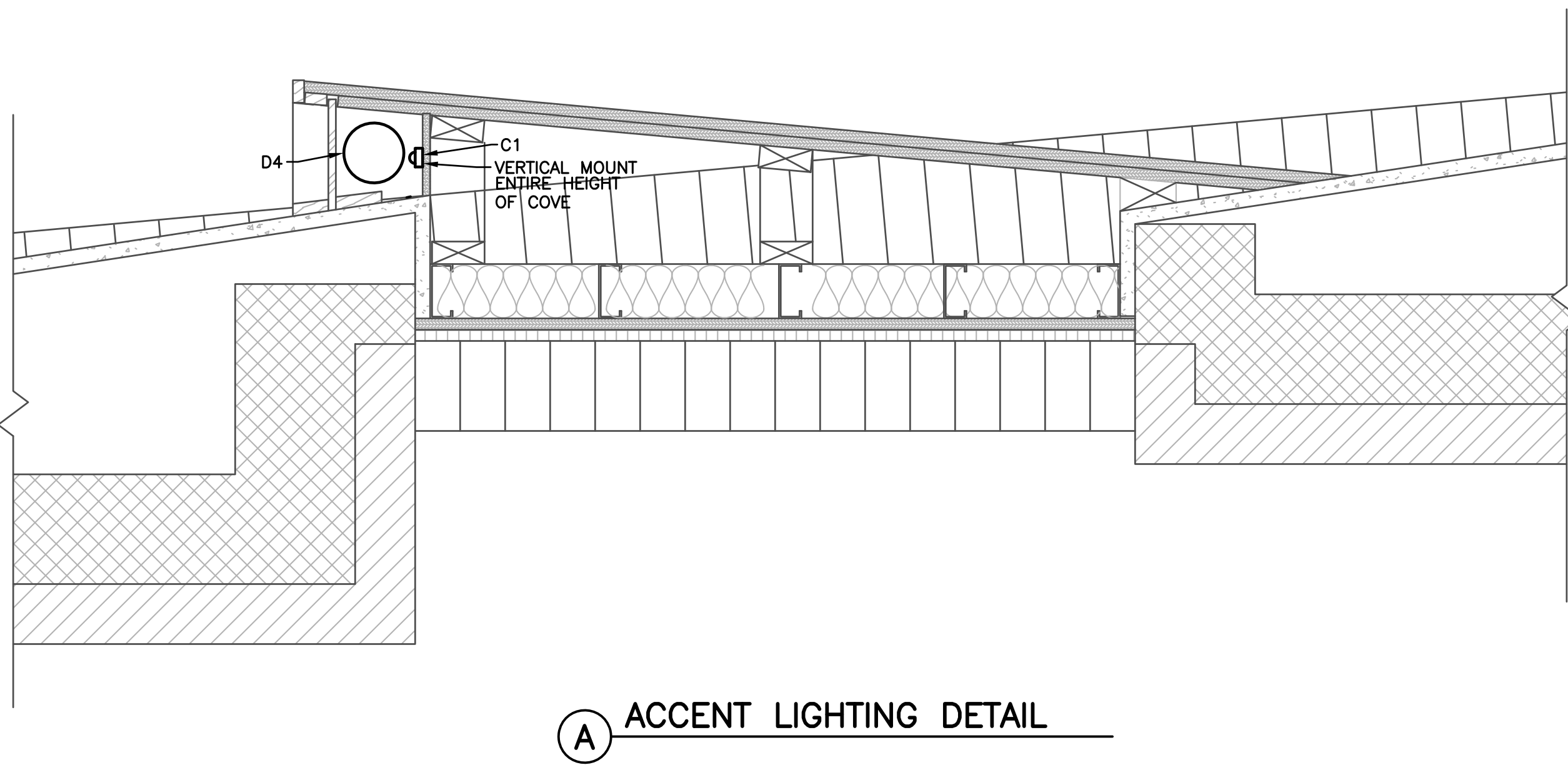
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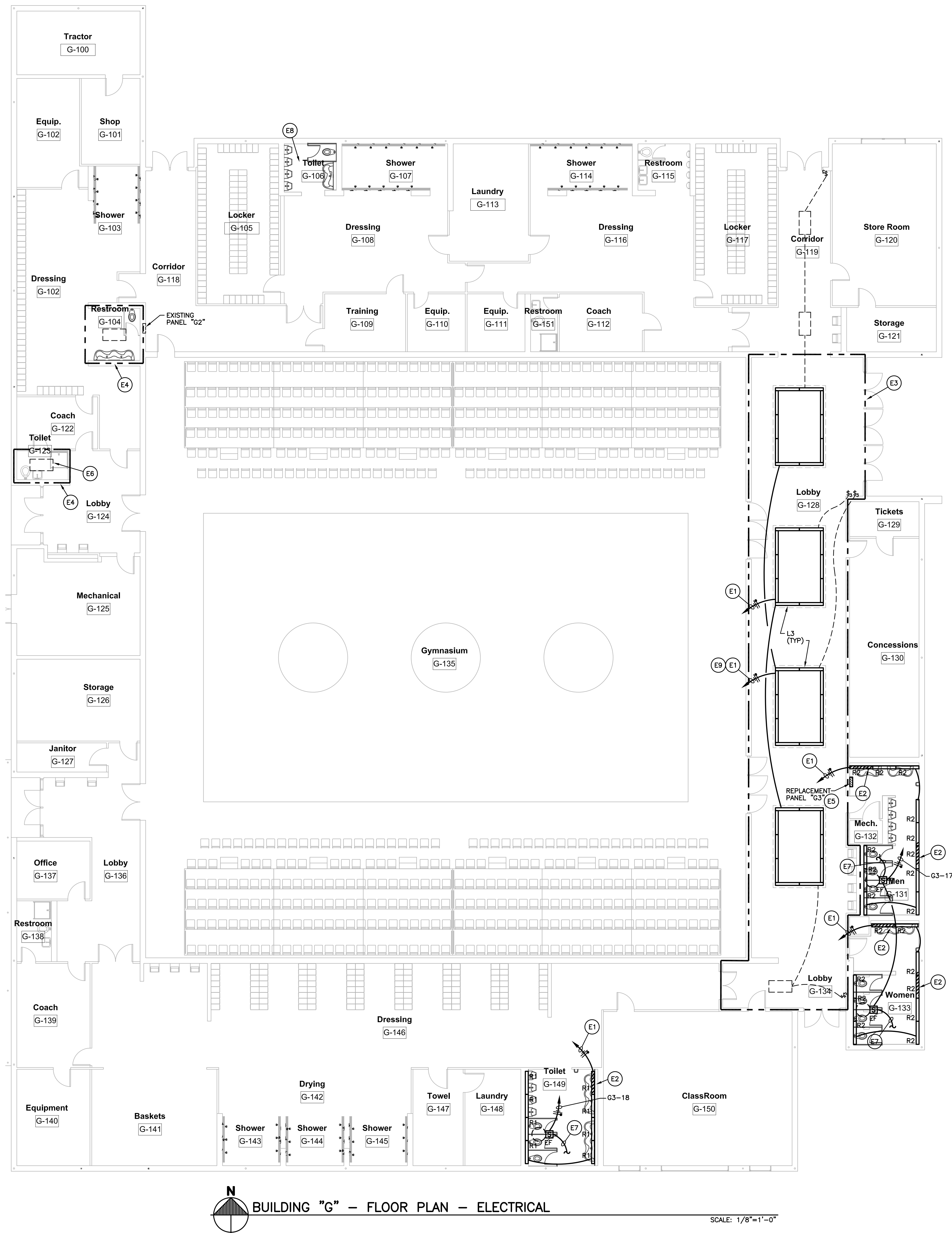


ELECTRICAL NOTES:

--- EXISTING TO REMAIN
--- NEW CONSTRUCTION

- (E1) EXTEND AND CONNECT TO EXISTING CIRCUITS FROM PANEL "A". SWITCH EACH CIRCUIT SEPARATELY IN NEW SWITCH BANK ADJACENT TO ELECTRICAL PANEL. COMBINE EXISTING CIRCUITS AT PANEL FOR INDICATED OPERATION.
- (E2) PROVIDE COVER PLATE OVER EXISTING LIGHTING FIXTURE OPENINGS WITH OPENING FOR NEW JUNCTION BOX. COORDINATE WITH ARCHITECT.
- (E3) PROVIDE A 2000W INVERTER WITH 90 MINUTE MINIMUM BATTERIES FOR EMERGENCY LIGHTING FOR THIS CIRCUIT. LOCATE INVERTER ON STAGE BY PANELS.
- (E4) INSTALL RECEPTACLES ABOVE BALCONY IN SEATING AREAS FOR SPOT LIGHTING. CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. SURFACE MOUNT AS REQUIRED IN EMT AND PAINT TO MATCH WALL.
- (E5) INSTALL FIXTURES IN EXISTING THEATRICAL LIGHTING OPENINGS IN CEILING. PROVIDE A 2" PIPE BATTEN. LOCATE DIMMER SWITCH ADJACENT TO NEW SWITCH BANK.
- (E6) EXTEND AND CONNECT TO EXISTING CIRCUIT RETAINED FROM DEMOLITION.
- (E7) LOCATE W1 FIXTURES ON WOOD PANEL WALL ABOVE BALCONY SEATING AREA. CONNECT TO FIXTURE D4 CIRCUIT AND SWITCH W1 FIXTURES AT BALCONY. COORDINATE EXACT LOCATION OF FIXTURES WITH ARCHITECT. ROUTE CONDUIT IN WALL TO ABOVE CEILING.
- (E8) ROUTE CIRCUIT IN HOLLOW SECTION OF WALL FROM ABOVE CEILING. EXPOSED CONDUITS ARE NOT PERMITTED.





ELECTRICAL NOTES:

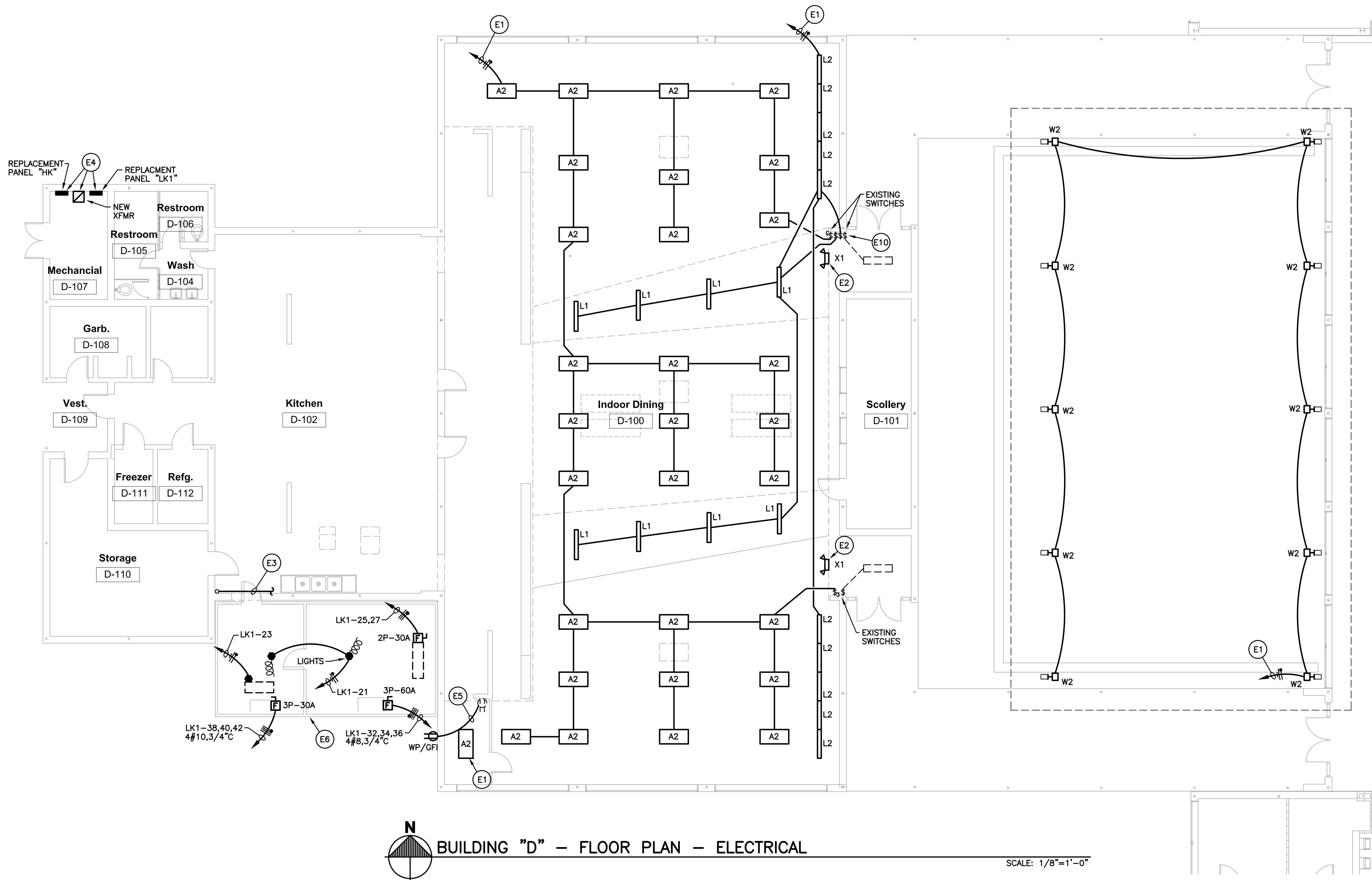
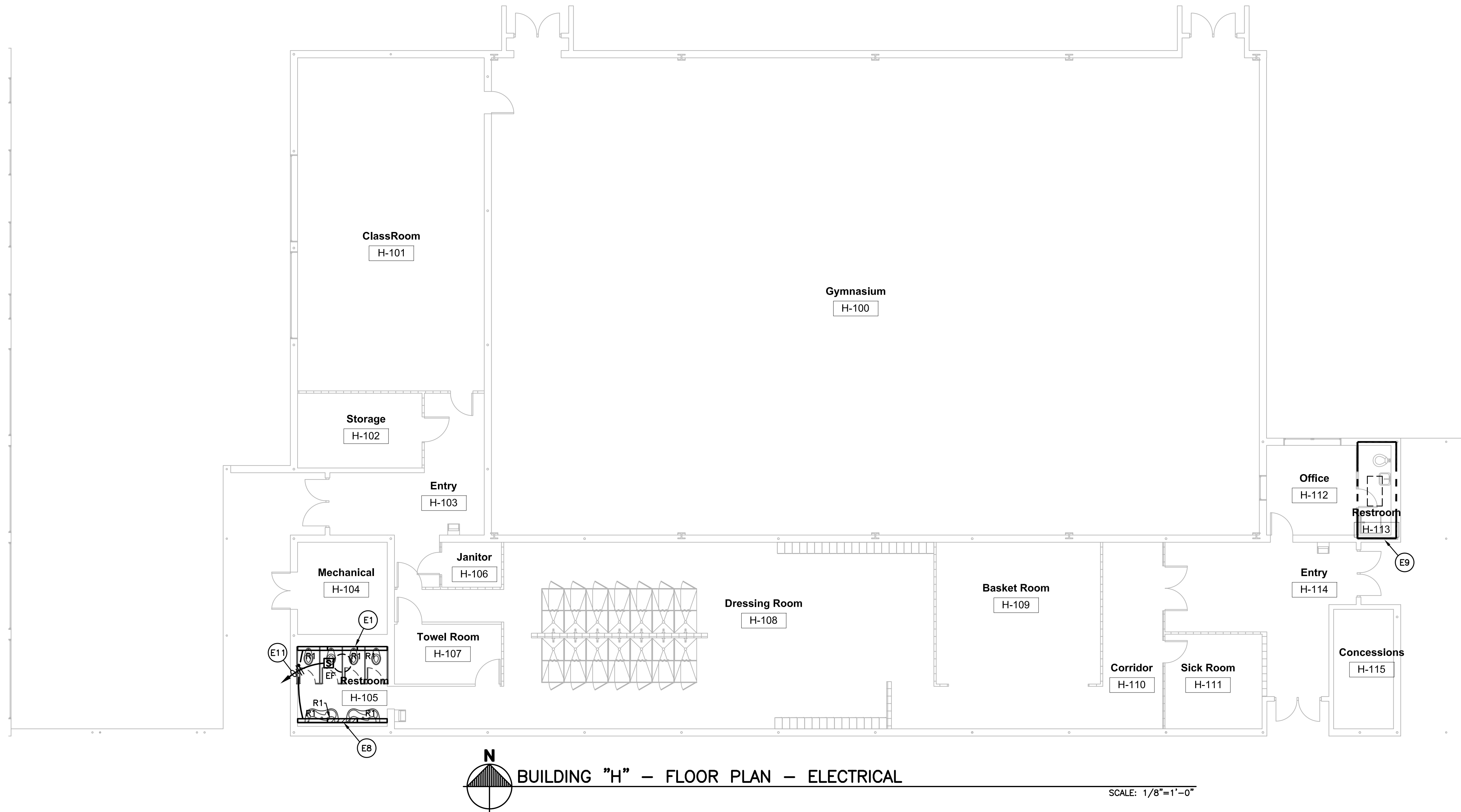
--- EXISTING TO REMAIN
--- NEW CONSTRUCTION

- (E1) EXTEND AND CONNECT TO EXISTING LIGHTING CIRCUIT RETAINED FROM DEMOLITION.
- (E2) CROSSHATCHED FIXTURES SHALL CONTAIN A 90 MINUTE MINIMUM, 1400 LUMEN, SELF DIAGNOSTIC BATTERY PACK CONNECTED TO UNSWITCHED CONDUCTORS.
- (E3) ALL WORK IN LOBBY G128 SHALL BE UNDER ALTERNATE #1.
- (E4) ALL WORK IN ROOMS G123 AND G104 SHALL BE UNDER ALTERNATE #2.
- (E5) INSTALL NEW PANEL IN SAME LOCATION AS EXISTING. CONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL. NEW PANEL MAY BE SURFACE MOUNTED TO COMPLETELY COVER EXISTING WALL OPENING.
- (E6) PROVIDE LENS FOR EXISTING FIXTURE.
- (E7) INTERLOCK EXHAUST FAN WITH ROOM LIGHTING CIRCUIT. PROVIDE ALL RELAYS, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM.
- (E8) RELOCATE EXISTING EXPOSED CABLING AND INSTALL IN CONDUIT AGAINST CEILING. COORDINATE WITH ARCHITECT.
- (E9) PROVIDE A 2000W INVERTER WITH 90 MINUTE MINIMUM BATTERY PACK.

ELECTRICAL NOTES:

--- EXISTING TO REMAIN
— NEW CONSTRUCTION

- (E1) EXTEND AND CONNECT TO EXISTING LIGHTING CIRCUIT RETAINED FROM DEMOLITION.
- (E2) CONNECT EMERGENCY/EXIT LIGHTING FIXTURES TO EXISTING CIRCUIT RETAINED FROM DEMOLITION.
- (E3) RE-ROUTE CONDUIT AROUND NEW DOOR.
- (E4) INSTALL NEW REPLACEMENT PANELS AND TRANSFORMERS. CONNECT EXISTING FEEDERS AND BRANCH CIRCUITS.
- (E5) CONNECT TO EXISTING RECEPTACLE CIRCUIT.
- (E6) VERIFY EXACT ELECTRICAL REQUIREMENTS FOR FREEZER/COOLER WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. ADJUST CIRCUITS AS REQUIRED.
- (E7) ALL WORK ON EXISTING BLOCK AND BRICK WALLS SHALL BE IN EMT CONDUIT AND SHALL BE PAINTED TO MATCH WALLS.
- (E8) CROSSHATCHED FIXTURES SHALL CONTAIN A 90 MINUTE MINIMUM, 1400 LUMEN, SELF DIAGNOSTIC BATTERY PACK CONNECTED TO UNSWITCHED CONDUCTORS.
- (E9) ALL WORK IN ROOM H-113 SHALL BE INCLUDED UNDER ALTERNATE #2.
- (E10) USE EXISTING SWITCH FOR FIXTURES "A2". PROVIDE A 2-GANG SURFACE MOUNTED BOX FOR FIXTURES "L1" AND "L2" SWITCHES. PROVIDE SURFACE MOUNTED EMT CONDUIT. PAINT TO MATCH WALL COLOR.
- (E11) EXTEND AND CONNECT TO NEAREST 120V UNSWITCHED CIRCUIT. INTERLOCK FAN WITH ROOM LIGHTING CIRCUIT. PROVIDE ALL RELAYS, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM.



ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	CONDUIT IN WALL OR ABOVE CEILING
	CONDUIT UNDER FLOOR OR UNDERGROUND
	ARROW INDICATES HOMERUN, TICKMARKS: NEUTRAL, PHASE, GROUND
	TELEPHONE CONDUIT
	TELEPHONE BOARD
	PANEL BOARD
	POWER PANEL
	SPECIAL PANEL
	JUNCTION BOX; FLUSH FLOOR JUNCTION BOX
	DISCONNECT SWITCH; FUSED; NONFUSED
	TELEPHONE/DATA OUTLET ; ABOVE COUNTER
	WALL MOUNTED TELEPHONE
	SPECIAL RECEPT; VERIFY TYPE
	2 POLE; 3 WIRE RECEPTACLE
	DUPLEX RECEPT; ABOVE COUNTER
	WEATHERPROOF; GROUND FAULT
	QUAD PLEX RECEPTACLE
	SINGLE POLE SWITCH; 3--WAY; 4--WAY
	PILOT LIGHT; DIMMER; KEYED SWITCH
	ABOVE FINISHED FLOOR; CEILING MOUNTED
	CLOCK +84" AFF
	TV/CTV OUTLET
	MOTOR
	MOTOR TOGGLE SWITCH

LIGHTING FIXTURE SCHEDULE

MARK	TYPE	MOUNTING	MANUFACTURER	LAMPS	DESCRIPTION	ALTERNATE MANUFACTURER
A2	2x4 TROFFER 3-LAMP LENSED	CEILING RECESSED GRID	WILLIAMS 50GS24332FA12125 EB3UNV	(3) F32T8/SPX35	125 MIN THK LENS WITH FLAT ALUMINUM DOOR	HUBBELL: 4PS24332GFA A12.125M3EU LITHONIA: 2SPG332FNA12 MMVOLT1/3GEB
C1	LED RIBBON LIGHT	COVE VERTICAL	ACOLYTE RB242.235	LED 3500°K	2.2W PER FOOT, AL60 CHANNEL PROVIDE DRIVERS, ETC. FOR A COMPLETE INSTALLATION IN FULL HEIGHT OF COVE	HLT LED: EFLEX102235NL
D1	6" LED CYLINDER	CEILING SURFACE	GOTHAM IC00CYL35306AR 45MVOLTLMDBL	LED 3500°K 6000 LUMEN	SURFACE MOUNT CAP 0-10V DIMMABLE CONDUCTORS. BLACK, 45" BEAM	PRESCOLITE: MC10LED56L35 CREE: ESAC10MD5560UBK
D2	6" LED CYLINDER	CEILING SURFACE	GOTHAM IC00CYL35306AR 60MVOLTLMDBL	LED 3500°K 3000 LUMEN	SURFACE MOUNT CAP 0-10V DIMMABLE CONDUCTORS. BLACK, 60" BEAM	PRESCOLITE: MC10LED53L35 CREE: ESAC10WD542DUBK
D3	6"LED RECESSED LIGHT	CEILING RECESSED	GOTHAM EYOR35186ARWD MVOLT	LED 3500°K 1800 LUMEN	RETROFIT KIT CAP 0-10V DIMMABLE CONDUCTORS. WIDE DISTRIBUTION	PRESCOLITE: RL6LEDG46LF LED70435 GE: R162035RMCFLMU
D4	4"LED RECESSED LIGHT	ACCENT RECESSED	GOTHAM EYOR35144ARWD MVOLTELR	LED 3500°K 1400 LUMEN	RETROFIT KIT 0-10V DIMMABLE CONDUCTORS. WIDE DISTRIBUTION	CONTECH: RA4LRM235SK1202 CS74322LWGLR EDISON PRICE: PSTXSM24DLL 1535K6000CT1
L1	LINEAR FLUORESCENT	CEILING RECESSED GYPSUM	LITECONTROL RPD02ST1T5H04 SGLCWMELBPS	(1) 54W T5HO SPX35	ELECTRONIC BALLAST ACRYLIC LENS	PINNACLE: EA41T5H04SFSUN V1CW WILLIAMS: LR4G415475HDMAD FX0448WBEB1UNV
L2	WALL WASHER FLUORESCENT	CEILING RECESSED GRID	LITECONTROL LGWWD44 14T5HOSGLCMWELB	(1) 54W T5HO SPX35	ELECTRONIC BALLAST	PINNACLE: EW1T5H04GXUN V1CW WILLIAMS: LLWG4154T5HO FB1UNV
L3	LINEAR LED	CEILING RECESSED GRID	SELUX L125R21L35 35PCPM004WH	LED 3500°K	2930 LUMENS	MARK: SPRL4G9N35AD FOCAL POINT: FAV6FLLL3L35
R1	LINEAR RECESSED FLUORESCENT	CEILING RECESSED GYPSUM	LITECONTROL 85N14T8FFPCWM DPFLBMVOLT	(1) F32-T8/ SPX35	ELECTRONIC BALLAST ACRYLIC LENS	MARK: MP41T8SEB1S WILLIAMS: WS4132W WADEB1UNV
R2	LINEAR WALL FLUORESCENT 4'	WALL SURFACE	LITECONTROL WD4414T8SGLCWM ELB1CWQMVOLT	(1) F32-T8/ SPX35	ELECTRONIC BALLAST ACRYLIC LENS (MOUNT IN UPPER CORNER)	PINNACLE: EX4AN1T84WA UNV1CW SELUX: M1D1T850W4WHUNV
R3	LINEAR WALL FLUORESCENT 8'	WALL SURFACE	LITECONTROL WD4428T8SGLCWM ELB1CWQMVOLT	(2) F32-T8/ SPX35	ELECTRONIC BALLAST ACRYLIC LENS (MOUNT IN UPPER CORNER)	PINNACLE: EX4AN1T88WA UNV1CW SELUX: M1D1T850W8WHUNV
T1	THEATRICAL ELLIPSOID	PIPE BATTEN	ALTMAN 360Q6x12	(1) 575W	PIPE CLAMP	PHILIPS: 11520C ETC SOURCE: 4 JR. ZOOM
T2	THEATRICAL FRESNAL	PIPE BATTEN	ALTMAN 65Q	(1) 750W	PIPE CLAMP	TIME SQUARE: QBPGB ETC PARNEL
W1	LED 4" WALL MOUNT CYLINDER	WALL SURFACE	GOTHAM IS00CYL3515 4AR45MVOLT WMXXX	LED 3500°K	WALL MOUNT. VERIFY FINISH AND LOCATION WITH ARCHITECT	KIRLIN: LSR06201WB CONTECH: CL6235K
W2	INDIRECT METAL HALIDE	COLUMN CANTILEVER	WINONA P5LS5W4250 LC15GW	(1) 250W MH	12" CANTILEVER ARM. 36" BELOW STRUCTURE	SPI: EDW9490LM250PS ELLIPTIPAR: M152250C
X1	EXIT/EMERGENCY LIGHT	WALL SURFACE	KENALL METECONMWR 220TDT	2ea. 20W HALOGEN	HIGH IMPACT NICAD BATTERY	EXITRONIX: NAVC1245

NOTES:

- ALL LIGHTING FIXTURES SHALL BE 120/277V RATED UNLESS NOTED OTHERWISE. VERIFY FIELD CONDITIONS FOR EXISTING VOLTAGES.

PANEL "G3" *

208/120V VOLTS, 3 PHASE, 4 WIRE, *110 AMPS, MAIN CIRCUIT BREAKER

10,000 AMPS. RMS. SYM. I.C.
INTEGRATED EQUIPMENT RATING

SERVES	TRIP	A #	B #	C #	TRIP	SERVES
EXISTING	20	1	2	3	20	EXISTING
		4	5	6		
		7	8	9		
		10	11	12		
		13	14	15		
		16	17	18		
		19	20	21		
		22	23	24		
EXH. FAN		25	26	27		EXH. FAN
SPARE		28	29	30		SPARE
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