

ADDENDUM NO. 1

November 14, 2022

**JACKSON ELEMENTARY SCHOOL RENOVATIONS
Valparaiso, IN 46304**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated October 31, 2022 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of page ADD 1-1 and attached Addendum No. 1 from Gibraltar Design dated November 9, 2022 and consisting of 4 pages and 29 drawings.

ADDENDUM ONE

Addendum One (AD.01) to the drawings and specifications prepared by Gibraltar Design for **Jackson Elementary School Renovations** for Duneland School Corporation, Chesterton, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and include the appropriate content of same within their bid proposal.

DRAWINGS

1. Sheet S-001

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Add Lintel Schedule.

2. Sheet AD102

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Updated demolition in rooms Custodian A-102, Boys A-103 and Girls A-104.

3. Sheets A-101 and A-102

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Updated casework throughout to coordinate with Equipment plans.
 - 2. Updated floorplan to include Commons B-125B, Toilet B-119A, and Toilet B-119B.

4. Sheets A-401

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Updated detail bubble numbers.

5. Sheet A-701

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Plan casework length change in classrooms.
 - 2. Note added detail number for roller shades.

6. Sheet A-702

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Plan casework length change in classrooms.
 - 2. Plan modifications, Commons B-125B.
 - 3. Note added detail number for roller shades.

**7. Sheet A-720**

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:

1. Updated Enlarged Restroom detail 3/A-720 to include Toilet B-119A, and Toilet B-119B.

8. Sheet A-730

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:

1. Note elevation addition and addition of dimensions to elevations.

9. Sheets A-802 and A-803

A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:

1. Note plan finish changes.

10. Sheet A-820

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:

1. Note change in Carpet C4.

11. Sheet A-901

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:

1. Revise Reflected Ceiling Plan Notes as follows:
 - a. Change note 1 text and add reference to detail 2/A-901.
 - b. Change note 7 text to "Not Used".
 - c. Eliminate note 11 and note 12.
2. Add Detail 2/A-901 Metal Edge Trim Transition and Detail 3/A-901 Roller Shade Detail.

12. Sheet A-902

A. Refer to revised full size drawing, included in this Addendum, for revisions in the following rooms:

1. Revise Reflected Ceiling Plan Notes as follows:
 - a. Change note 1 text and add reference to detail 2/A-901.
 - b. Change note 7 text to "Not Used".
 - c. Eliminate note 11 and note 12.
2. Add Detail 2/A-901 Metal Edge Trim Transition and Detail 3/A-901 Roller Shade Detail.
3. Updated ceiling plan to include Commons B-125B, Toilet B-119A, and Toilet B-119B.

13. Sheet A-903

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:

1. Revise Reflected Ceiling Plan Notes as follows:
 - a. Change note 1 text and add reference to detail 2/A-901.
 - b. Change note 7 text to "Not Used".
 - c. Eliminate note 11 and note 12.

2. Add Note 9 to areas with no new ceilings.
3. Add note 1 to cloud ceiling in existing vestibule.

14. Sheet MD101

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Revised existing hot water supply and return piping to demo.

15. Sheet MD102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Revised existing ductwork in Corridor B-123C and Kindergarten B-123B.
 2. Added demo thermostats.
 3. Revised existing ductwork to demo ductwork in Learning Center B101B and Learning Center B101A.
 4. Revised sheet notes.
 5. Added sheet note tags to plans.
 6. Added notes for demo return air ductwork.
 7. Added demo notes for cabinet heaters.

16. Sheet MD104

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Added sheet note 2.
 2. Clarified demo variable air volume boxes.

17. Sheet MV102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Revised duct take-off in Commons B-147
 2. Added ductwork to diffuser in Café Storge B-142, Commons B-161, SGI B-163, Counselor B-168, Calm B-169, and Storage B-134.
 3. Added exhaust to Girls B-157, Boys B-158, Toilet B-135, and Toilet B-136.

18. Sheet MP101

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Clarified thermostat connection to equipment.

19. Sheet MP102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Added thermostats.
 2. Added hot water supply and return piping to CH-1.
 3. Added sheet note.
 4. Added rebalance note for existing VAV boxes.

20. Sheet M-201

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Added equipment tags and notes to exhaust fans.

**21. Sheet M-402**

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Added exhaust ductwork and notes.

22. Sheet M-601

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Revised chiller equipment specialties.

23. Sheet P-001

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Revised Plumbing Fixture Schedule – S-3 – to be undermount sink.

24. Sheet EP-102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Added electrical connection device to CH-1 in Corridor B-125.
 2. Added electrical connection device to AC-1 in Technology B-133.

25. Sheet EP-104

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Added electrical connections to AHJB1 in Mechanical A-201.
 2. Added electrical connections to AHJB3 in Mechanical A-201.

26. Sheet EP-201

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Revised electrical devices to relocated mechanical equipment.

27. Sheet E-602

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Revised mechanical connection schedule.
 2. Added pump connection schedule.
 3. Revised lighting control system notes.

Pages 1 through 4, inclusive, and Twenty-nine (29) Full-Size Drawings, constitute the total makeup of **Addendum One**.

**GIBRALTAR**

DESIGN

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STRUCTURAL STEEL NOTES

1. Structural steel construction shall conform to the American Institute of Steel Construction Specification for Structural Steel Buildings.
2. All structural wide flange members shall be ASTM A502, Fy=50 ksi
3. All plates, channels, bars, angles, and rods shall be ASTM A36, unless noted.
4. All rectangular structural tube members shall be ASTM A500, Grade C, Fy = 50 ksi unless noted.
5. All round structural tube members shall be ASTM A500, Grade C, Fy = 48 ksi unless noted.
6. All structural pipe members shall be ASTM A53 Grade B, Fy=35 ksi unless noted.
Details for design, fabrication and erection of all structural steel shall be in accordance with the latest AISI Standards, unless otherwise noted or specified.
7. Details for design, fabrication and erection of all structural steel shall be in accordance with the latest AISI Standards, unless otherwise noted or specified.
8. Unless otherwise shown on the Drawings, provide 8" minimum bearing each end for all loose lintels and beams.
9. For loose lintels, masonry shall angles and other such items generally not shown on the Structural Drawings, refer to the Architectural Drawings. See general notes on lintels this sheet for sizes, reinforcing, etc.
10. Steel columns below grade shall be encased in a minimum of 4" concrete or painted with 2 coats of asphaltum paint, unless otherwise shown.
11. Fabricate simple span beams not specifically noted to receive camber so that after erection, any minor camber due to rolling or shop assembly be upward.
12. Refer to the Division 5 Structural Steel Specification of the Project Manual for structural steel surface preparations and prime painting requirements.
13. The Erector shall shim between parallel rod beams and joists with differential mill and induced cambers for level deck bearing.
14. Provide cap/dissolved plates to close off exposed, open ends of all tubular members, unless noted. Seal weld with partial penetration square groove welds for watertight condition.

STEEL CONNECTION NOTES

1. Typical beam-to-beam and beam-to-column connections shall be bearing type using A325 bolts, unless noted otherwise.
2. Shop connections unless otherwise shown, may be either bolted or welded. All field connections shall be bolted unless otherwise shown on the Structural Drawings.
3. Connections shall be designed by the Steel Fabricator to support the reactions shown on the framing plan(s). Simple span connections without reactions listed on the Structural Drawings shall be designed by the Steel Fabricator in accordance with Table 3-6 of the AISC "Manual of Steel Construction, 14th Edition". For composite beams where reactions are not indicated, design connections for 75% of the Maximum Total Uniform Load ASD value for the applicable beam size and span given in Table 3-6. For non-composite beams, design connections for 50% of the tabulated ASD value.
4. Submit calculations for connections not detailed on the Structural Drawings and not covered by the AISC Tables, including but not limited to:
A.) Column Splices
B.) Moment Connections
C.) Bracing Connections including Collectors and Drag Struts
D.) Skewed Shear Connections
E.) Girder and Truss Splices
F.) Truss-to-Column and Truss-to-Truss Connections
G.) Truss Web-to-Chord and Web-to-Gusset Connections
H.) Compression Ring/Tension Ring, and Raker Beam Connections.
5. All beam-to-beam connections shall be double angle, unless shown or noted otherwise.
6. All beam-to-column connections shall be at the column centerline, unless shown or noted otherwise. Shear tab connections to tubes are permitted unless otherwise noted or detailed.
7. Typical beam-to-beam, and beam-to-column field-welded connections may be lightened to the snap-tight condition, unless otherwise shown or noted.
8. Bolted connections in moment frames, bracing connections, hangers and sub-columns, crane connections, and those designated PT (prestressing) on the Drawings shall be designed as prestressed joints utilizing tension-control (TC) bolts or direct tension indicators. Holes for PT bolts shall be 1/16" larger than the bolt diameter. All pretensioned joints must be inspected by the Testing Agency.
9. Connect bracing members for two components of stress unless otherwise approved by the Structural Engineer of Record. Provide a minimum 2:bolt or welded field connection.
10. Locate centerlines of all vertical bracing members on column centerlines in vertical plane and on column and beam centerlines in horizontal plane, unless otherwise shown on the Structural Drawings.
11. All welding shall be in conformance with AWS D1.1, using E70XX electrodes, unless shown or noted otherwise. Welding, both shop and field, shall be performed by welders certified for the weld types and positions involved according to the current edition of AWS D1.1. Perform all AESS welds with care to provide a clean, uniform appearance.
12. Backup bars required for welded connections shall be continuous.
13. Holes in steel shall be drilled or punched. All drilled holes shall be provided with smooth edges. Burning of holes in structural steel shall not be allowed without approval of the Structural Engineer of Record.
14. The minimum thickness of all connection material shall be 5/16" unless noted.
15. Continuous bent plate and angle closures, roof edges, diaphragm chords, etc. around perimeter of the floor and roof, as well as around openings shall be welded with a minimum 1/4" fillet weld 3" long at 12" o.c., top & bottom, unless noted otherwise. Butt weld joints in continuous diaphragm chord for continuity. For continuous perimeter angles and bent plates perpendicular to and connected to the top chords of joists, provide a minimum 3/4" of 1/4" weld at each joint. Continuous angle and bent plate closures may be shop-applied to the supporting structural members only when requested and approved by Structural Engineer of Record.
16. Where steel beams are called to have wood nailers supporting wood floor or roof framing, provide 1/2" diameter carriage bolts spaced at 24" on center and staggered each side of the beam web, unless noted otherwise. Carriage bolts may be over-applied to compress the rounded head in the nailer to facilitate installation of continuous beam/pile joists, rafters, trusses, etc.
17. A qualified independent Testing Agency shall be retained to perform inspection and testing of structural steel weldments as follows:

WELD INSPECTION SCHEDULE						
WELD TYPE	VT	MT	UT	PT	CRT	COMMENTS
FILLET (SINGLE PASS)	25%	-	-	-	-	ROOT PASS AND FINISHED WELD
FILLET (MULTIPLE PASSES)	50%	25%	-	-	-	
FLARE BEVEL FLARE V	25%	-	-	-	-	
GROOVE (PARTIAL PENETRATION)	100%	-	100%	-	-	REFERENCE NOTE "E" BELOW
GROOVE (FULL PENETRATION)	100%	-	100%	-	-	ALL FULL PENETRATION WELDS

- A.) Test procedures:
VT = Visual Test (inspection)
MT = Magnetic Particle Test: ASTM E109, cracks or incomplete fusion or penetration not acceptable.
UT = Ultrasonic Test: ASTM E164
PT = Penetrant Test: ASTM E165
RT = Radiographic Test: ASTM E94 and ASTM E142, min. quality level 2-21.
- B.) Acceptance standards in AWS D1.1 shall be followed for each test procedure.
- C.) Test procedures may be substituted to meet feasibility requirements of test based upon weld geometry or other factors with the approval of the Structural Engineer of Record.
- D.) Samples shall occur at random locations, additional tests may be required at locations noted on the Drawings.
- E.) Groove welds include square, bevel, U, and J grooves including single and double pass types.
- F.) Partial penetration square groove welds at end seal plates of tubular members do not require inspection.
- G.) Weld Procedure Specifications (WPS) shall be produced and maintained in accordance with AWS D1.1. The independent Testing Agency shall have access to all WPS's during the course of testing and inspection.
- H.) For highly-restrained welded joints, especially in thick plates and/or heavy structural shapes, details the welds so that shrinkage occurs as much as possible in the direction the steel was rolled. Refer to the AISC Manual for preferred welded-joint arrangements that reduce the possibility for lamellar tearing. Members scheduled to receive highly-restrained connections shall be tested by the independent Testing Agency by Ultrasonic Testing prior to commencing welding.
- I.) In addition to inspection requirements for fillet welds in Table above, 100% of field welding of diagonal bracing members to gusset plates shall be visually inspected (VT).

FOUNDATIONS

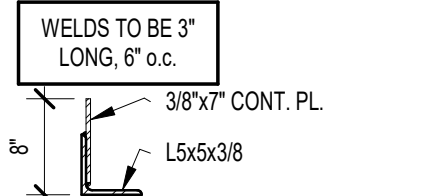
1. Proofroll slab on grade areas with a medium-weight roller or other suitable equipment to check for pockets of soft material hidden beneath a thin coat of better soil. Any unsuitable materials thus exposed should be removed and replaced with compacted, engineered fill as outlined in the specifications. Proofrolling operations shall be monitored by the Geotechnical Testing Agency.
2. All engineered fill beneath slabs and over footings should be compacted to a dry density of at least 93% of the Modified Proctor maximum dry density (ASTM D-1557). All fill which shall be stressed by foundations loads shall be approved granular materials compacted to a dry density of at least 95% (ASTM D-1557). Coordinate a fill and compaction operations and the Subsurface Investigation.
3. Compaction shall be accomplished by placing fill in approximate 8" lifts and mechanically compacting each lift to at least the specified minimum dry density. For large areas of fill, field density tests shall be performed for each 3,000 square feet of building area for each lift as necessary to insure adequate compaction is being achieved.
4. Column footings and wall footings to bear on firm natural soils or well-compacted engineered fill with allowable bearing pressures of 2,000 PSF and 1,000 PSF for column and wall footings respectively, as outlined in the Subsurface Investigation Report.
It is essential that the foundations be inspected to insure that all loose, soft, or otherwise undesirable material (such as organics, existing uncontrolled fill, etc.) is removed and that the foundations will bear on satisfactory material. The Geotechnical Testing Agency shall inspect the subgrade and perform any necessary tests to insure that the actual bearing capacities meet or exceed the design capacities. The Geotechnical Testing Agency shall verify the bearing capacity at each spread column footing and every 10 feet on center for strip footings prior to placement of concrete.
5. Place footings the same day the excavation is performed. If it is not possible, the footings shall be adequately protected against any detrimental change in condition, such as from disturbance, rain, or freezing.
6. It is the responsibility of the Contractor and each Sub-Contractor to verify the location of all utilities and services shown, or not shown, and establish safe working conditions before commencing work.
7. The Contractor shall layout the entire building and field verify all dimensions prior to excavation.

POST-INSTALLED DOWELS & ANCHOR BOLTS/RODS

1. All reinforcing steel and threaded rod anchors to be installed in a 2-part chemical anchoring system shall be treated as follows:
A. Drill holes larger than bar or rod to be embedded. Coordinate hole diameter with Manufacturer's recommendations.
B. Holes must be cleaned and prepared in accordance with Manufacturer's recommendations.
C. When reinforcing steel is encountered during drilling for installation of anchors; stop drilling, use a sensor to locate the reinforcing in the surrounding area and install anchor(s) as close as possible to the original location. Contact the Structural Engineer of Record (SER) for direction when the revised location is more than 2" from the original location, or when the original function of the anchorage is significantly altered. When in doubt, contact the SER for direction.
D. Drill hole a minimum of 1/4" diameter or as shown on the plans.
E. Use a 2-part adhesive anchoring system, Hilti HY-200, or approved equal.
F. For anchorage into hollow substrate, use Hilti HY-270, or approved equal.
G. Reinforcing steel dowels shall be ASTM A615, Grade 60, unless noted.
H. Anchor rods shall be Hilti HAS-V-36, unless noted. Provide finish as noted on the Drawings. If not noted, provide hot-dip galvanized finish for interior applications. Provide stainless steel finish for all exterior applications, unless noted.
2. When column anchor bolts have been omitted, or damaged by construction operations, the Contractor must obtain the written approval of the Structural Engineer of Record prior to repair or replacement.
A. As a precaution, the affected column must be grouted and braced after repair for the balance of the erection period.
B. As an alternate to grouting and bracing, the Contractor may, at its option, employ a testing agency to perform a tensile pull test to confirm the strength for the installed or replaced anchor bolt. The tensile proof load must exceed 1.33 x the design load of the original anchor without causing distress of the anchor bolt or the surrounding concrete. Reference the following table for the minimum proof loads:
3/4" diameter: 12.4 kips
7/8" diameter: 17.4 kips
1" diameter: 22.7 kips
1 1/8" diameter: 28.8 kips
1 1/4" diameter: 35.6 kips
Note: Values listed above are for ASTM F-1554, Grade 36 material. When higher grade or strength materials are specified, refer to the AISC Steel Design Guide 1, Table 3.1 for minimum allowable loads to be multiplied by 1.33.
C. When affected anchor bolts are part of a fixed moment resisting column base, such as those in moment-resisting space frames, canopies, or fixed-base installations, the repaired anchor bolts must be proof-loaded, or the affected column footing and/or pier replaced in its entirety.
D. When affected anchor bolts are part of a braced frame the affected column footing and/or pier must be replaced in its entirety.
E. Prior to erection, the controlling Contractor must provide written notification to the Structural Erector if there has been a repair, replacement or modification of the anchor bolts for that column.

LINTEL SCHEDULE

1. Where lintels are not specifically shown or noted on the Structural or Architectural Drawings, provide the following lintels over all openings and recesses in both interior and exterior non-load-bearing walls.
A.) Brick:
Masonry Opening Angle Size
Up to 5'-0" L5x5x5/16
Over 5'-0" & up to 7'-0" L5x5x3/8
Over 7'-0" L5x5x3/8 or Plate (see detail below)



LONG LOOSE LINTEL DETAIL

- All angles are LLV (long leg vertical), unless noted otherwise. Provide 1" of bearing per foot of span each end with minimum 8". All lintels in exterior walls are to be hot-dip galvanized.
- B.) Block: For openings up to 8'-0" long exposed in the finished room, use lintel block filled with grout. Grout all exposed joints and reinforce as follows:
1. For 8" thick block: 1- #5 bar
2. For 8" thick block: 2- #5 bars
3. For 10" thick block: 2- #6 bars
4. For 12" thick block: 2- #6 bars
- C.) Block: For openings over 8'-0" & up to 12'-0" long exposed in the finished room, use lintel block filled with grout. Grout all exposed joints and reinforce per the "Long Masonry Lintel Detail" on the Typical Masonry Detail Drawing.
- D.) Block (block load openings over 4'-0"): Use framing plans for steel beam lintels. Where not shown on plan, the criteria in the following table shall be used. Contact Structural Engineer of Record for lintels not shown on plan which do not meet this criteria. See architectural drawings for opening quantities, sizes, locations, heights of wall above, etc.

AD-1

CAST IN PLACE CONCRETE

1. Details of fabrication of reinforcement, handling and placing of the concrete, construction of forms and placement of reinforcement not otherwise covered by the Plans and Specifications, shall comply with the ACI Code requirements of the latest revised code.
2. Cold weather concreting shall be in accordance with ACI 306. Cold weather is defined as a period when for more than 3 successive days the average daily air temperature drops below 40°F and stays below 50°F. The Contractor shall maintain a copy of this publication on site.
3. Hot weather concreting shall be in accordance with ACI 306. Hot weather is defined as any combination of the following conditions that tends to impair the quality of the freshly mixed or hardened concrete: high ambient temperature, high concrete temperature, low relative humidity, wind speed, or solar radiation. The Contractor shall maintain a copy of this publication on site.
4. A certified Testing Agency shall be retained to perform industry standard testing including loose lintels and beams.
5. Finishing of Slabs: After screeding, both footing and footing operations have been completed, apply final finish as indicated below, and as described in the Division 5 Cast in Place Concrete Specification of the Project Manual.
A. Floor Slabs: Hard Trowel Finish
B. Ramps, Stairs, & Sidewalks: Broom Finish
C. Surfaces to Receive Topping Slab: Float Finish
D. Surfaces to receive thickest mortar beds or similar cementitious materials: Float Finish
E. Drivng Surfaces: Rough Steel Finish
Sample Finishes: See Specifications for sample and mockup requirements, if any.
Floor Tolerances: See the Specifications for specified F and F tolerances. F and F testing shall be performed by the Testing Agency in accordance with ASTM E-1165. Results, including acceptance or rejection of the work will be provided to the Contractor and the Architect/Engineer within 48 hours after data collection. Remedies for out-of-tolerance work shall be in accordance with the Specifications. When approved by the Structural Engineer of Record, measurement of the gaps beneath a 15-foot straight edge may be used in lieu of F and F testing. Approval must be obtained in writing prior to the beginning of concrete operations.
6. Finishing of Formed Surfaces: Finish formed surfaces as indicated below, and as described in the Division 5 Cast in Place Concrete Specification of the Project Manual.
A. Sides of Footings & Pile Caps: Rough Form Finish
B. Sides of Grade Beams: Rough Form Finish
C. Surfaces not exposed to public view: Rough Form Finish
D. Surfaces exposed to public view: Smooth Form Finish
The Contractor shall consult with the Structural Engineer of Record before starting concrete work to establish a satisfactory placing schedule and to determine the location of construction joints so as to or cost thereof.
7. Saw or toled control/construction joints shall be provided in all slabs on grade. For a framed structure, joints shall be located on all column lines. If the column spacing exceeds 20'-0", provide intermediate joints. Exterior slabs, and interior slabs without column shall have joints spaced a maximum of 15'-0" apart. Layout joints so that maximum aspect ratio (ratio of long side to short side) does not exceed 1.5.
8. Where vinyl composition tile, vinyl sheet goods, thin-set epoxy terrazzo, or other similar material is the specified finish floor material, the Contractor shall coordinate the locations of control/construction and construction joints with the Finish Flooring Contractor. Submit a dimensional plan showing joint locations and proposed sequence of floor pours.
9. Unless specifically noted on the Plans, composite and non-composite supported slabs on metal deck, and supported cast-in-place concrete slabs do not require seen control joints.
10. Joints in slabs to receive a finished floor may remain unfilled, unless required by the finish flooring contractor. All exposed slabs shall be filled with sealant specified in Division 7, or as follows: All slabs in industrial, manufacturing, or warehouse applications subject to wheeled traffic shall be filled with specified epoxy resin sealant. All other joints shall be filled with specified elastomeric sealant. Sealer filling of joints as long as possible, preferably a minimum of 4 to 6 weeks after the slab has been cured. Prior to filling, remove all debris from the slab joints, fill in accordance with the Manufacturer's recommendations.
11. Refer to the Architectural Drawings for locations and details of rework (1" maximum depth) in excess walls.
12. Refer to the Architectural Drawings for chamber requirements for corners of concrete. Where not indicated, provide 3/4" chamfers on exposed corners of concrete, except those abutting masonry.
13. Refer to the Architectural Drawings for exact locations and dimensions of recessed slabs, ramps, stairs, and other items to be installed in the concrete.
14. Sidewalks, drives, exterior retaining walls, and other site concrete are not indicated on the Structural Drawings. Refer to the Site/Civil and Architectural Drawings for locations, dimensions, elevations, jointing, and finish details.

CONCRETE MIX CLASSES

FOOTINGS	
COMPRESSIVE STRENGTH	4000 PSI
MAXIMUM WATER/CEMENT RATIO	0.45
AIR CONTENT	0 - 3 PERCENT
WATER-REDUCING ADMIXTURE	REQUIRED
SUMP	5" TO 6 1/2"
INTERIOR CONCRETE SLABS	
COMPRESSIVE STRENGTH	4000 PSI
MINIMUM CEMENTITIOUS MATERIAL CONTENT	517 LB/CU YD
AIR CONTENT	0 - 3 PERCENT
WATER-REDUCING ADMIXTURE	REQUIRED
SUMP	5" TO 6 1/2"
PROVIDE ELEMENT 5 SYSTEM (INTERNAL CURE & CATALYST) PER PLAN	
NOT ON FOUNDATIONS PLANS	

1. SUMP: MIXES CONTAINING TYPE A WRODA, MIXES CONTAINING MID-RANGE WRODA, MIXES CONTAINING HIGH-RANGE WRODA 5" MAXIMUM 5 - 6 1/2"
2. SUMP: MIXES CONTAINING TYPE A WRODA, MIXES CONTAINING MID-RANGE WRODA, MIXES CONTAINING HIGH-RANGE WRODA 5" MAXIMUM 5 - 6 1/2"
3. INCLUDE AN AIR-ENTRAPPING ADMIXTURE FOR ALL CONCRETE EXPOSED TO FREEZING AND THAWING IN SERVICE AND FOR ALL CONCRETE EXPOSED TO COLD WEATHER DURING CONSTRUCTION, BEFORE ATTAINING ITS SPECIFIED DESIGN COMPRESSIVE STRENGTH. REF. ACI 308 FOR DEFINITION OF COLD WEATHER.
4. CLASS C FLY ASH MAY BE USED AS A CEMENT SUBSTITUTE WITH A MAXIMUM 20% SUBSTITUTION RATE ON A POUND-PER-POUND BASIS.
5. SLAG CEMENT MAY BE USED AS A SUBSTITUTE FOR PORTLAND CEMENT WITH A MAXIMUM 50% SUBSTITUTION RATE ON A POUND-PER-POUND BASIS WITH THE EXCEPTION OF CLASS E CONCRETE, WHICH SHALL BE LIMITED TO 30%.
6. WHEN SLAG CEMENT AND FLY ASH ARE USED IN THE SAME CONCRETE MIX, THE MAXIMUM SUBSTITUTION RATES SHALL COMPLY WITH THE FOLLOWING:
PORTLAND CEMENT/SLAG FLY ASH RATIO:
CLASS E EXTERIOR CONCRETE 70% / 20% / 10%
ALL OTHER CLASSES 80% / 30% / 20%
7. FOR CONCRETE TO BE CAST DURING COLD WEATHER, THE MAXIMUM SUBSTITUTION RATE FOR SLAG CEMENT SHALL BE 30%. IF SLAG CEMENT AND FLY ASH ARE USED IN THE SAME MIX, THE MAXIMUM SUBSTITUTION RATES SHALL COMPLY WITH A RATIO OF PORTLAND CEMENT/SLAG FLY ASH OF 70% / 20% / 10%.
8. PROPORTION CONCRETE MIXES TO PROVIDE WORKABILITY AND CONSISTENCY TO PERMIT CONCRETE TO BE WORKED READILY INTO THE CORNERS AND ANGLES OF THE FORMS AND AROUND REINFORCEMENT BY THE METHODS OF PLACEMENT AND CONSOLIDATION TO BE EMPLOYED, WITHOUT SEGREGATION AND EXCESSIVE BLEEDING.
9. ADJUSTMENTS TO THE APPROVED MIX DESIGNS MAY BE REQUESTED BY THE CONTRACTOR WHEN JOB CONDITIONS, WEATHER, TEST RESULTS, OR OTHER CIRCUMSTANCES WARRANT. THESE REVISED MIX DESIGNS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO USE.

CONCRETE REINFORCING

1. Reinforcement, other than cold drawn wire for spirals and welded wire fabric, shall have deformed surfaces in accordance with ASTM A305.
2. Reinforcing steel shall conform to ASTM A615, Grade 60, unless noted.
3. Welded wire fabric shall conform to ASTM A1064, unless noted.
4. Where hooks are indicated, provide standard hooks per ACI and CRSI for all bars unless other hook dimensions are shown on the plans or details.
5. Reinforcement in footings, walls and beams shall be continuous. Lap bars a minimum of 40 diameters, unless noted otherwise.
6. Reinforcement shall be supported and secured against displacement in accordance with the CRSI "Manual of Standard Practice".
7. Details of reinforcing steel fabrication and placement shall conform to ACI 315 "Details and Detailing of Concrete Reinforcement" and ACI 318R "Manual of Engineering and Placing Drawings for Reinforced Concrete Structures", unless otherwise indicated.
8. Spread reinforcing steel around small openings and sleeves in slabs and walls, where possible, and where bar spacing will not exceed 1.5 times the normal spacing. Discontinue bars at all large openings where necessary, and provide an area of reinforcement, equal to the interrupted reinforcement, in full length bars, distributing one-half each side of the opening. Where shrinkage and temperature reinforcement is interrupted, add (2) #5 x opening dimension + 4" on each side of the opening. Provide #5 x 4'-0" long diagonal bars in both faces, at each corner of openings larger than 12" in any direction.
9. Provide standards for the support of top reinforcement for footings, pile caps, and mats.
10. Provide individual high chairs with support bars, as required for the support of top reinforcement for supported slabs. Do NOT provide standards.
11. Provide snap-on plastic space wheels to maintain required concrete cover for vertical wall reinforcement.
12. Where walls sit on column footings, provide dowels for the wall. Dowels shall be the same size and spacing as the vertical wall reinforcement, unless noted otherwise, with lap splices as shown on the application sections. Install dowels in the footing forms before concrete is placed. Do NOT stick dowels into footings after concrete is placed.
13. Field bending of reinforcing steel is prohibited, unless noted on drawings.
14. Minimum concrete cover over reinforcing steel shall be as follows, unless noted otherwise on plan, section or note.

GENERAL NOTES

1. The Contractor shall be responsible for complying with all safety precautions and regulations during the work.
2. The Structural Engineer of Record will not advise on, nor issue directions as to safety precautions and programs.
3. The Structural Drawings herein represent the finished structure. The Contractor shall provide all temporary girders and bracing required to erect and hold the structure in proper alignment until all Structural Work and connections have been completed. The investigation, design, safety, adequacy and inspection of erection bracing, shoring, temporary supports, etc. is the sole responsibility of the Contractor.
4. The Structural Engineer of Record (SER) shall be responsible for the methods, techniques and sequences are not specifically shown, similar details of construction shall be used, subject to approval of the SER.
5. Drawings indicate general and typical details of construction, but do not specifically show, similar details of construction shall be used, subject to approval of the Structural Engineer of Record.
6. All structural systems which are to be composed of components to be field erected shall be supervised by the Supplier during manufacturing, delivery, handling, storage, and erection in accordance with the Supplier's instructions and requirements.
7. Loading applied to the structure during the process of construction shall not exceed the safe load-carrying capacity of the structural members. The live loading used in the design of this structure are indicated in the "Design Criteria Notes". Do not apply any construction loads until structural framing is properly connected together and until all temporary bracing is in place.
8. All ASTM and other referenced standards and codes are for the latest editions of these publications, unless otherwise noted.
9. Shop drawings and other items shall be submitted to the Structural Engineer of Record (SER) for review prior to fabrication. All Shop Drawings shall be reviewed by the Contractor before submittal. The SER's review is to be for conformance with the design concept and general compliance with the relevant Contract Documents. The SER's review does not relieve the Contractor of the sole responsibility to review, check, and coordinate the Shop Drawings prior to submission. The Contractor remains solely responsible for errors and omissions associated with the preparation of Shop Drawings as they pertain to member sizes, details, dimensions, etc.
10. Submit Shop Drawings in the form of blue-line backprint (min. 2 sets; max. 5 sets) and one reproducible blackline or paper copy. If no case shall reproduction of the Contract Documents be used as shop drawings. As a minimum, submit the following items to the SER:
A. Structural Steel Shop Drawings.
11. Resubmitted Shop Drawings: Resubmitted shop drawings are reviewed only for responses to comments made in the previous submittal.
12. When calculations are included in the submittal for components of work designed and certified by a Specialty Structural Engineer (SSE), the review by the Structural Engineer of Record (SER) shall be for conformance with the relevant Contract Documents. The SER's review does not relieve the SSE from responsibility for the design of the system(s) and the coordination with the elements of the structure under the certification of the SER, or other SSE's. The SER's review does not constitute a warranty of the accuracy or completeness of the SSE's design.
13. Contractors shall visit the site prior to bid to ascertain conditions which may adversely affect the work or cost thereof.
14. When modifications are proposed to structural elements under the design and certification of a Specialty Structural Engineer (SSE), written authorization by the SSE must be obtained and submitted to the Structural Engineer of Record for review, prior to performing the proposed modification.

EXISTING CONSTRUCTION

1. The Contractor shall field verify the dimensions, elevations, etc. necessary for the proper construction and alignment of the new portions of the work to the existing work. The Contractor shall make all necessary measurements for fabrication and erection of the structural members. Any discrepancy shall be immediately brought to the attention of the Structural Engineer of Record.
2. Before proceeding with any work within the existing facility, the Contractor shall familiarize himself with existing structural and other conditions. Any shoring shown or noted on the Plans is a partial and schematic representation of that required. It shall be the Contractor's responsibility to provide all necessary bracing, shoring, and other safeguards to maintain all parts of the work in a safe condition during the progress of demolition and construction, and to protect from damage those portions of the existing work which are to remain. Shoring shall remain in place until the structural work is complete, has been inspected by the Testing Agency, and is confirmed to be in substantial compliance with the Contract Documents.
3. When required by the Specifications or by Plan Note, the Contractor shall submit for the Structural Engineer of Record's review, a "Proposed Shoring Plan", including, but not limited to, plans, sections, details, notes, description of proposed sequence of work, and calculations prepared by, or under the supervision of a Specialty Structural Engineer (SSE). The SSE shall be registered in the State where the project is located.
4. Warning to and within an existing facility presents potential hazards including:
A. Fire Hazard - Due to the existing construction and building conditions.
B. Structural Liquefaction - Due to welding across the full section of the structural members. Recommendations to prevent these hazards include:
A. Fire Hazard - Protect existing combustibles prior to welding. Keep a separate watchman and several fire extinguishers on hand.
B. Structural Liquefaction - weld in small increments. Allow welds to harden before continuing to the next increment.
C. Do not leave the site until satisfied that no fire hazards exist.
D. Preference should be given to the use of beam clamps, mechanical fasteners, or bolted connections in lieu of welding within existing facilities, whenever possible. Do not field-fillet existing structural members without the written permission of the Structural Engineer of Record.

COORDINATION WITH OTHER TRADES

1. The Contractor shall coordinate and check all dimensions relating to Architectural/finishes, mechanical equipment and openings, elevator shafts and overruns, etc. and notify the Architect/Engineer of any discrepancies before proceeding with any work in the area under question.
2. The Structural Drawings shall be used in conjunction with the Drawings of all other disciplines and the Specifications. The Contractor shall verify the requirements of other trades as to sleeves, chases, hangers, inserts, anchors, holes, and other items to be placed or set in the Structural Work.
3. There shall be no vertical or horizontal sleeves set, or holes cut or drilled in any beam or column unless it is shown on the Structural Drawings or approved in writing by the Structural Engineer of Record.
4. Mechanical and electrical openings through supported slabs and walls, 8" diameter or larger, not shown on the Structural Drawings must be approved by the Structural Engineer of Record (SER). Openings less than 8" in diameter shall have at least 1'-0" clear between openings, unless approved in writing by the SER.
5. Verify locations and dimensions of mechanical and electrical openings through supported slabs and walls shown on the Structural Drawings with the Mechanical and Electrical Contractors.
6. Do not install conduit in supported slabs, slabs on grade, or concrete walls unless explicitly shown or noted on the Structural Drawings.
7. Do not suspend any items, such as ductwork, mechanical or electrical fixtures, ceilings, etc. from steel roof deck or wood roof sheathing.
8. The Mechanical Contractor shall verify that mechanical units supported by the steel framing are capable of spanning the distance between the supporting members indicated on the Structural Drawings. The Mechanical Contractor shall supply additional support framing as required.
9. If drawings and specifications are in conflict, the most stringent restrictions and requirements shall govern.

SPECIALTY STRUCTURAL ENGINEERING (SSE)

1. A Specialty Structural Engineer (SSE) is defined as a Professional Engineer licensed in the State of Indiana, not the Structural Engineer of Record, who performs Structural Engineering functions necessary for the structure to be completed and who has shown experience and/or training in the specific specialty.
2. It is the Specialty Structural Engineer's responsibility to review the Construction Drawings and Specifications to determine the appropriate scope of engineering.
3. It is the intent of the Drawings and Specifications to provide sufficient information for the Specialty Structural Engineer (SSE) to perform his design and analysis. If the SSE determines there are details, features, or unanticipated project limits which conflict with the engineering requirements as described in the project documents, the SSE shall in a timely manner, contact the Structural Engineer of Record for resolution of conflicts.
4. The Specialty Structural Engineer (SSE) shall forward documents to the Structural Engineer of Record for review. Such documents shall bear the stamp of the SSE and include:
A.) Drawings introducing engineering input, such as defining the configuration or structural capacity of structural components and/or assembly into structural systems.
B.) Calculations.
C.) Computer printouts which are an acceptable substitute for manual calculations provided they are accompanied by sufficient design assumptions and identified input and output information to permit their proper evaluation. Such information shall bear the stamp of the Specialty Engineer as an indication that said engineer has accepted responsibility for the results.
5. Contractors are referred to the specific technical specification sections and the structural drawings for those elements requiring Specialty Structural Engineering. Examples of components requiring Specialty Structural Engineering include, but are not limited to the following:
A.) Structural Steel Connections.
6. When modifications are proposed to elements under the design and certification of the Specialty Structural Engineer (SSE), written authorization by the SSE must be obtained and submitted to the Engineer of Record for review, prior to performing the proposed modification.

MINIMUM COVER FOR REINFORCEMENT

	MINIMUM COVER
FOOTINGS & BASE SLABS	
AT FORMED SURFACES & BOTTOMS BEARING ON CONCRETE WORK MAT	2"
AT UNFORMED SURFACES & BOTTOMS IN CONTACT WITH EARTH	3"
TOP OF FOOTINGS	SAME AS SLABS
OVER TOP OF PILES	2"



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PROJECT

**JACKSON
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SCHOOL -
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DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Home phone: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

21-143

DATE

10/31/22

COORDINATED BY

NHF

DRAWN BY

NHF

CHECKED BY

SAC

CONTRACT NOTES:
THE CONTRACT, DESIGN, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR HIS OWN USE AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK DATE ISSUED FOR

AD-1 11.09.2022 ADDENDUM #1

GENERAL PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO 'C' SERIES SHEETS.
- B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
- C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
- J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.
- L. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.
- M. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.
- N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

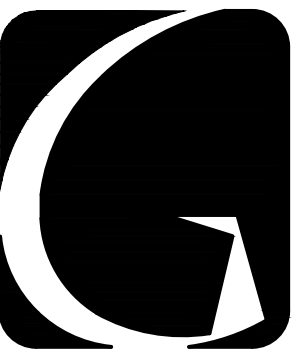
PLAN LEGEND:

- ◻ INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- ◊ INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- ALIGN NEW WALL TO EXISTING WALL OR JAMB.
- DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON THIS PLAN)
- CASEWORK AND/OR MILLWORK (TYPICAL), REFER TO EQUIPMENT PLANS.
- DISPLAY BOARD/PROJECTOR/TV MONITOR (TYP), REFER TO EQUIPMENT PLANS.
- PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
- CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- FIRE ALARM CONTROL PANEL, REFER TO ELECTRICAL DRAWINGS.
- FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
- MOP SINK, REFER TO PLUMBING DRAWINGS.
- BRONZE PLAQUE, REFER TO SPECIFICATIONS.
- ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS.
- ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS.
- CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
- UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
- ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
- SEMI-RECESSED FIRE EXTINGUISHER CABINET.
- KNOX BOX.
- CEILING CURTAIN TRACK.
- NOT USED.
- STAFF MAILBOX, REFER TO EQUIPMENT PLANS.
- NOT USED.
- DOWNSPOUT, REFER TO ROOF PLAN.
- DASHED LINE INDICATES NEW PARTIAL DROP CEILING, REFER TO REFLECTED CEILING PLANS.
- NOT USED.
- INSTALL 1/2" TILE BACKER BOARD OVER EXISTING TILE TO REMAIN. NEW WALL CONSTRUCTION TO BE FLUSH WITH FACE OF NEW TILE BACKER BOARD, REFER TO FINISH PLANS AND FINISH LEGEND FOR NEW WALL FINISHES.
- PROVIDE "ARDEX" FLOOR PATCHING AND PREP FLOOR FOR NEW FINISH.
- PARTIALLY FILL IN RECESSED FLOOR WITH ARDEX. PREP TO RECEIVE NEW FLOOR FINISH. NEW FINIS TO BE FLUSH WITH EXISTING.
- NOT USED.
- RE-INSTALL PREVIOUSLY REMOVED WATER CLOSETS WITH FOUR (4) NEW CARRIER RODS AT EACH.
- RE-INSTALL PREVIOUSLY REMOVED ACCESS PANELS.
- PAINT EXISTING DOOR AND WINDOW FRAME FRONT AND BACK.
- APPLY FILM TO EXISTING GLAZING.
- INSTALL NEW CONCRETE EQUIPMENT PAD FOR NEW CHILLER IN APPROXIMATE LOCATION OF EXISTING PAD. COORDINATE SIZE WITH MECHANICAL EQUIPMENT SUPPLIER. REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS.

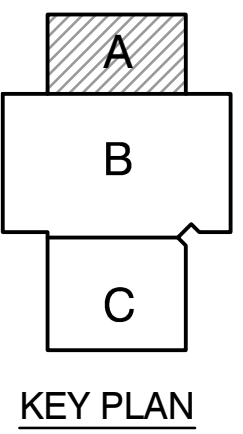


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**JACKSON
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RENOVATIONS**

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA



GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT

21-143

DATE

10/31/22

COORDINATED BY

JMG

DRAWN BY

MMM

CHECKED BY

DJW

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REVISIONS

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AD-1	11/09/22	ADDENDUM NO. 1

DRAWING

**UNIT 'A' ARCHITECTURAL
FIRST FLOOR PLAN**

PROJECT

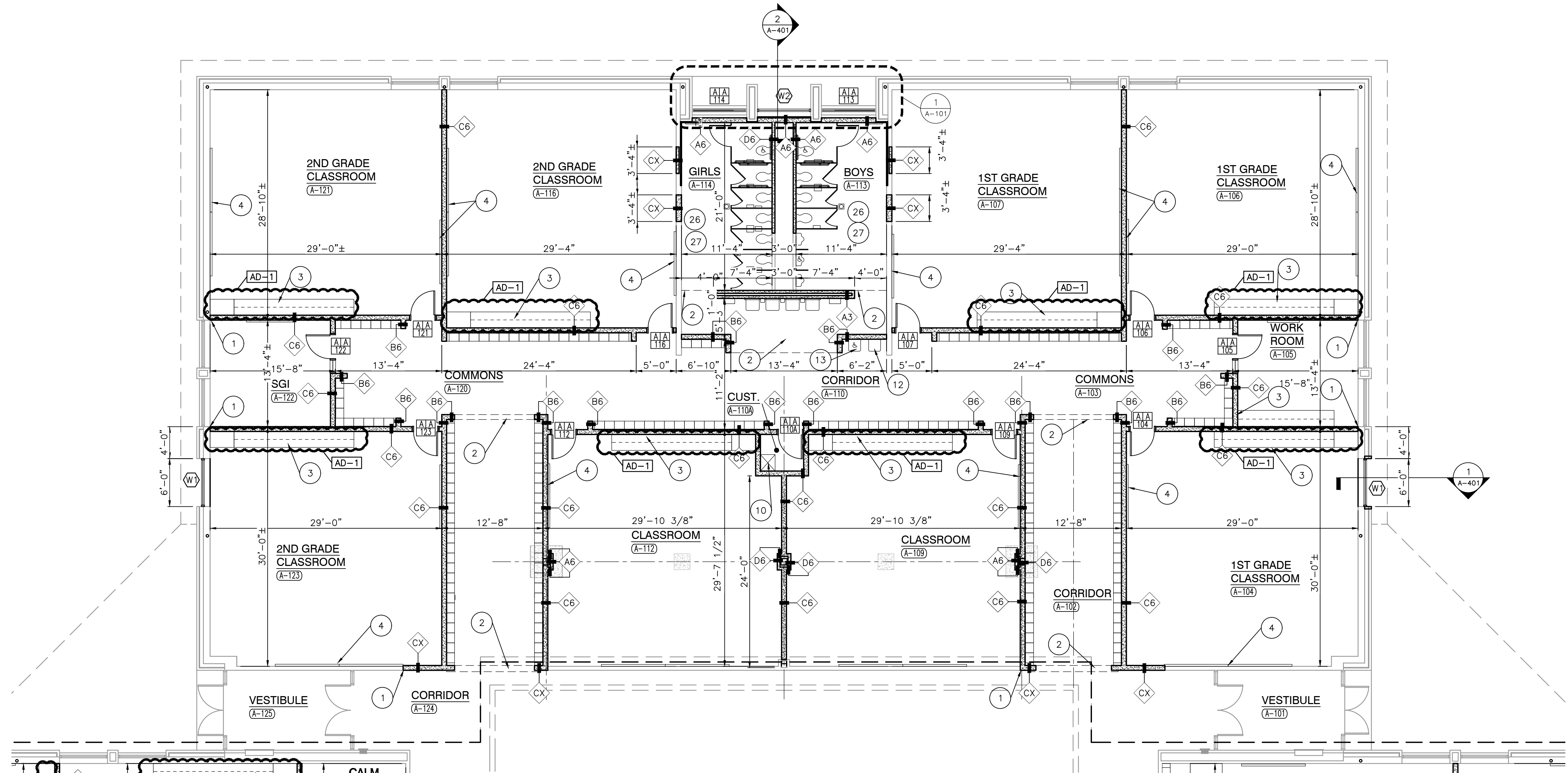
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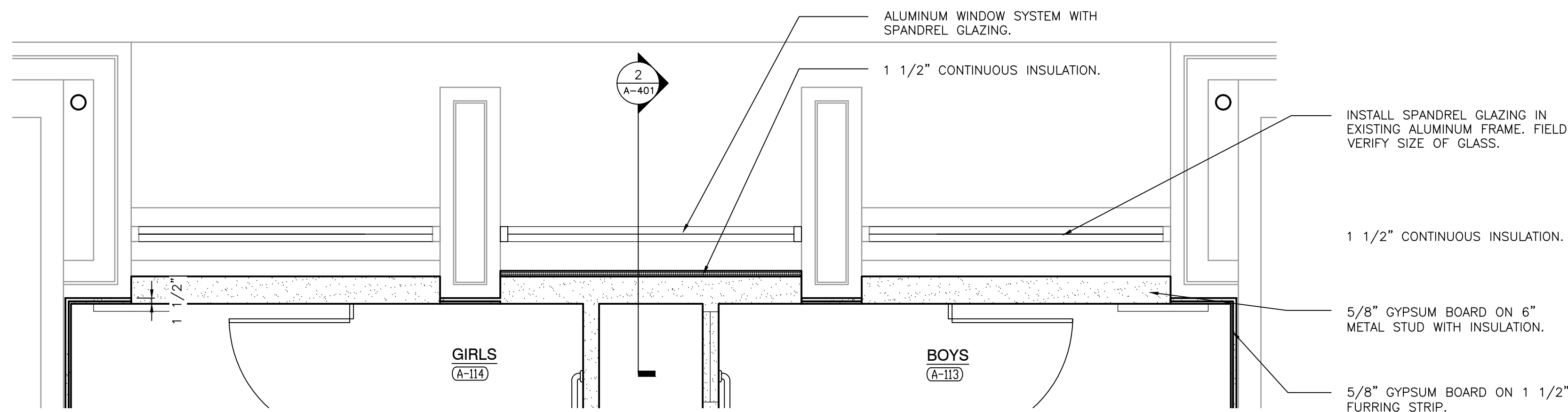
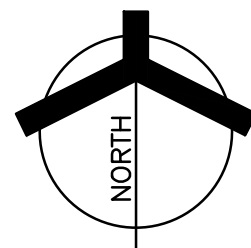
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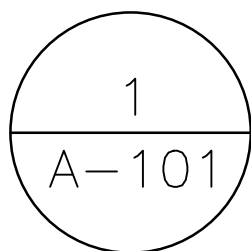
UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN

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

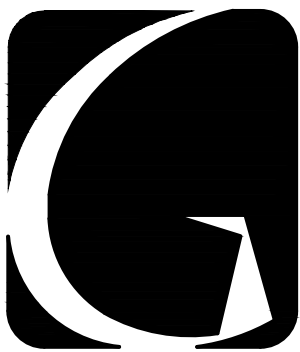


PLAN DETAIL

SCALE: 1/2" = 1'-0"



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A-101

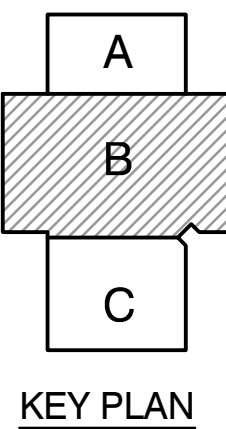


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GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

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CHECKED BY

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DRAWING

**UNIT "B" ARCHITECTURAL
FIRST FLOOR PLAN**

PROJECT

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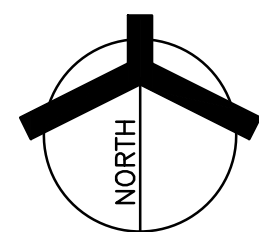
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A-102

UNIT "B" ARCHITECTURAL FIRST FLOOR PLAN

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



- (18) KNOX BOX.
- (19) CEILING TRACK TRAIL.
- (20) NOT USED.
- (21) STAFF MAILBOX, REFER TO EQUIPMENT PLANS.
- (22) NOT USED.
- (23) DOWNSPOUT, REFER TO ROOF PLAN.
- (24) DASHED LINE INDICATES NEW PARTIAL DROP CEILING, REFER TO REFLECTED CEILING PLANS.
- (25) NOT USED.
- (26) INSTALL 1/2" TILE BACKER BOARD OVER EXISTING TILE TO REMAIN. NEW WALL CONSTRUCTION TO BE FLUSH WITH FACE OF NEW TILE BACKER BOARD, REFER TO FINISH PLANS AND FINISH LEGEND FOR NEW WALL FINISHES.
- (27) PROVIDE "ARDEX" FLOOR PATCHING AND PREP FLOOR FOR NEW FINISH.
- (28) PARTIALLY FILL IN RECESSED FLOOR WITH ARDEX. PREP TO RECEIVE NEW FLOOR FINISH. NEW FINIS TO BE FLUSH WITH EXISTING.
- (29) NOT USED.
- (30) RE-INSTALL PREVIOUSLY REMOVED WATER CLOSETS WITH FOUR (4) NEW CARRIER RODS AT EACH.
- (31) RE-INSTALL PREVIOUSLY REMOVED ACCESS PANELS.
- (32) PAINT EXISTING DOOR AND WINDOW FRAME FRONT AND BACK.
- (33) APPLY FILM TO EXISTING GLAZING.
- (34) INSTALL NEW CONCRETE EQUIPMENT PAD FOR NEW CHILLER IN APPROXIMATE LOCATION OF EXISTING PAD, COORDINATE SIZE WITH MECHANICAL EQUIPMENT SUPPLIER, REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS.

PLAN LEGEND:

- INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

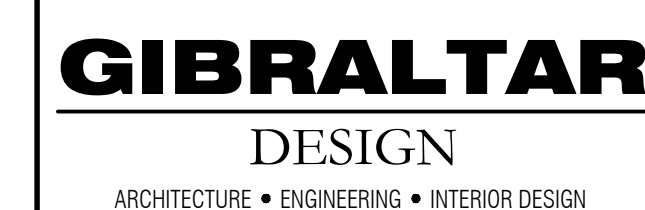
PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- (1) ALIGN NEW WALL TO EXISTING WALL OR JAMB.
- (2) DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON THIS PLAN)
- (3) CASEWORK AND/OR MILLWORK (TYPICAL), REFER TO EQUIPMENT PLANS.
- (4) DISPLAY BOARD/PROJECTOR/TV MONITOR (TYP), REFER TO EQUIPMENT PLANS.
- (5) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
- (6) CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- (7) AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- (8) FIRE ALARM CONTROL PANEL, REFER TO ELECTRICAL DRAWINGS.
- (9) FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
- (10) MOP SINK, REFER TO PLUMBING DRAWINGS.
- (11) BRONZE PLAQUE, REFER TO SPECIFICATIONS.
- (12) ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS.
- (13) ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS.
- (14) CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
- (15) UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
- (16) ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
- (17) SEMI-RECESSED FIRE EXTINGUISHER CABINET.

GENERAL PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
- C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
- J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.
- L. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.
- M. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.
- N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.



JACKSON
ELEMENTARY
SCHOOL -
RENOVATIONS

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

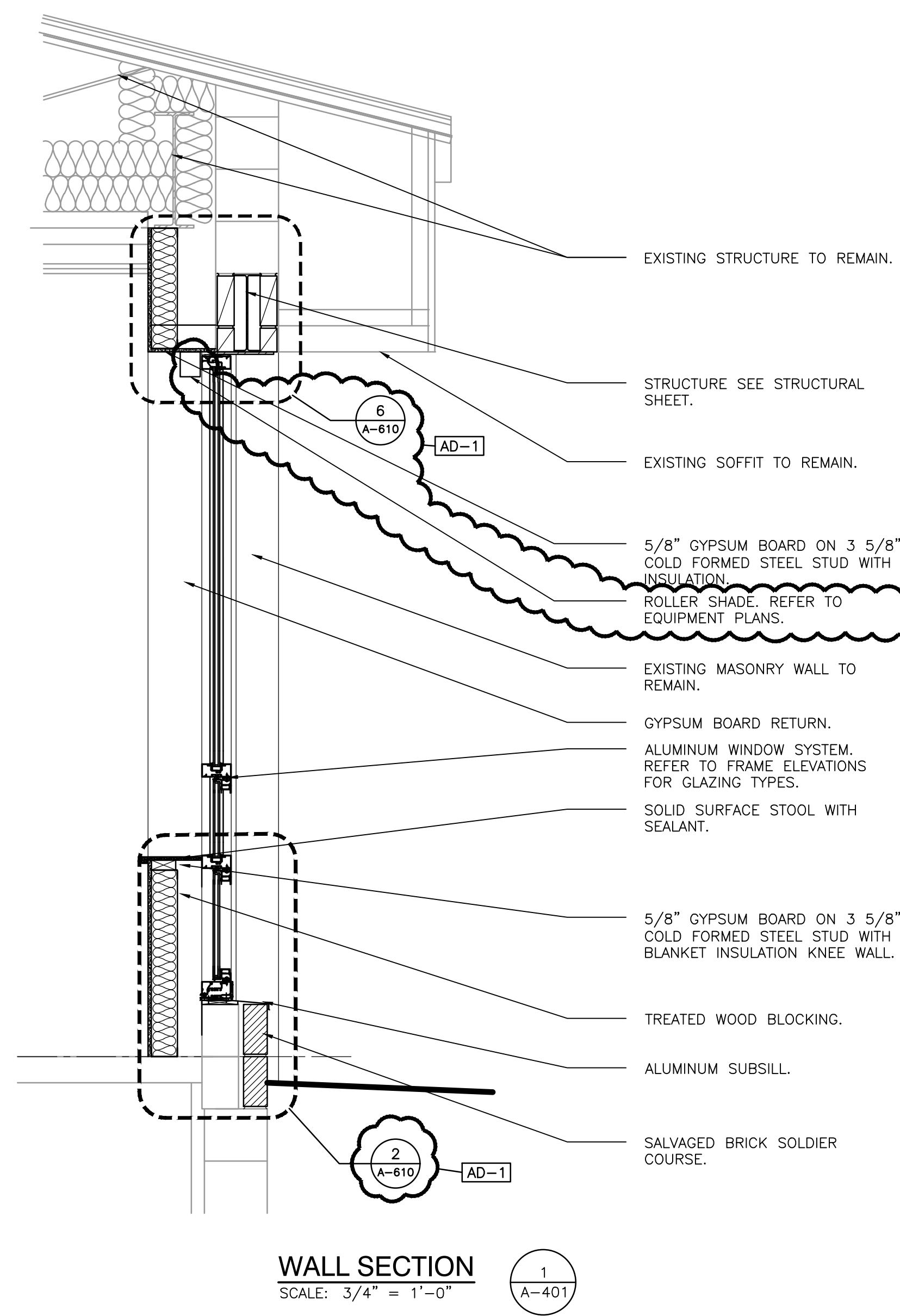
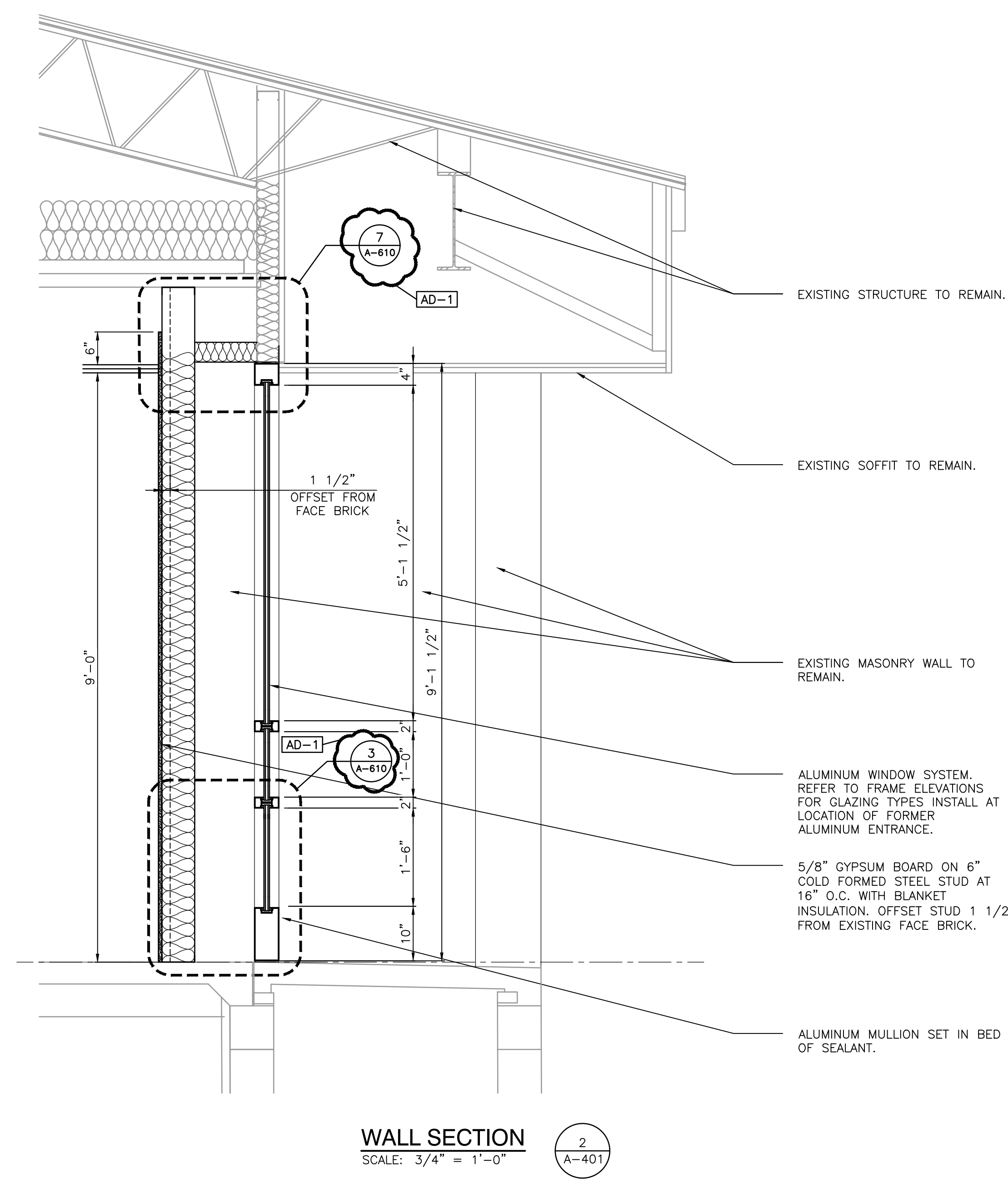
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[illegible]DRAWING
WALL SECTIONS

PROJECT
JACKSON ES - RENOVATIONS

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GENERAL EQUIPMENT PLAN NOTES:

- A. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.
B. FIELD VERIFY ALL DIMENSIONS.
C. CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK, REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS.
D. REFER TO G SERIES DRAWINGS FOR MOUNTING HEIGHTS.
E. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ROOM ACCESSORIES.

EQUIPMENT PLAN LEGEND:

- INDICATES CASEWORK ELEVATION SYMBOL — REFER TO A-800 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACT).
INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
(*) CG INDICATES CORNER GUARD.
(TB) INDICATES 4" HIGH TACK BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.
(MB) INDICATES 4" HIGH MARKER BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.
(PMB) INDICATES 4" HIGH PROJECTABLE MARKER BOARD. REFER TO MOUNTING HEIGHT DRAWING.
(TV) TELEVISION MONITOR, REFER TO TECHNOLOGY DRAWING.
(RS) INDICATES ROLLER SHADE.

EQUIPMENT PLAN NOTES:

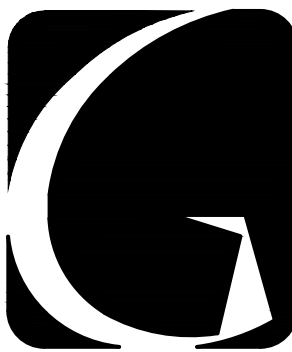
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- 1 CUBICLE CURTAIN AND TRACK (1'-0" RADIUS AT CORNER).
2 NOT USED
3 PAPER TOWEL AND SOAP DISPENSER, OFCI.
4 DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS.
5 NOT USED
6 LOCKERS, SEE DETAILS.
7 SINK IN CASEWORK, REFER TO CASEWORK AND PLUMBING DRAWINGS.

OWNER FURNISHED EQUIPMENT

PLAN NOTES:

- 50 LOOSE FURNITURE, BY OWNER, INDICATED ON PLAN FOR ELECTRICAL AND TECHNOLOGY COORDINATION.
51 COMPUTER/MONITOR, BY OWNER
52 PRINTER/COPIER, BY OWNER
53 REFRIGERATOR WITH ICE MAKER, BY OWNER
54 SHELVING, BY OWNER.
55 FILE CABINET, BY OWNER.
56 MICROWAVE, BY OWNER.
57 VENDING MACHINE, BY OWNER.
58 CLINIC COTS, BY OWNER.
59 KILN, BY OWNER.
60 PIANO, BY OWNER.
61 CHANGING TABLE, BY OWNER.

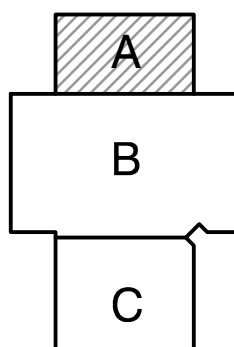


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PROJECT

**JACKSON
ELEMENTARY
SCHOOL -
RENOVATIONS**

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA



KEY PLAN

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT

21-143

DATE

10/31/22

COORDINATED BY

MMM

DRAWN BY

CLN, AB

CHECKED BY

DJW

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DRAWING

UNIT "A" FIRST FLOOR
EQUIPMENT PLAN

PROJECT

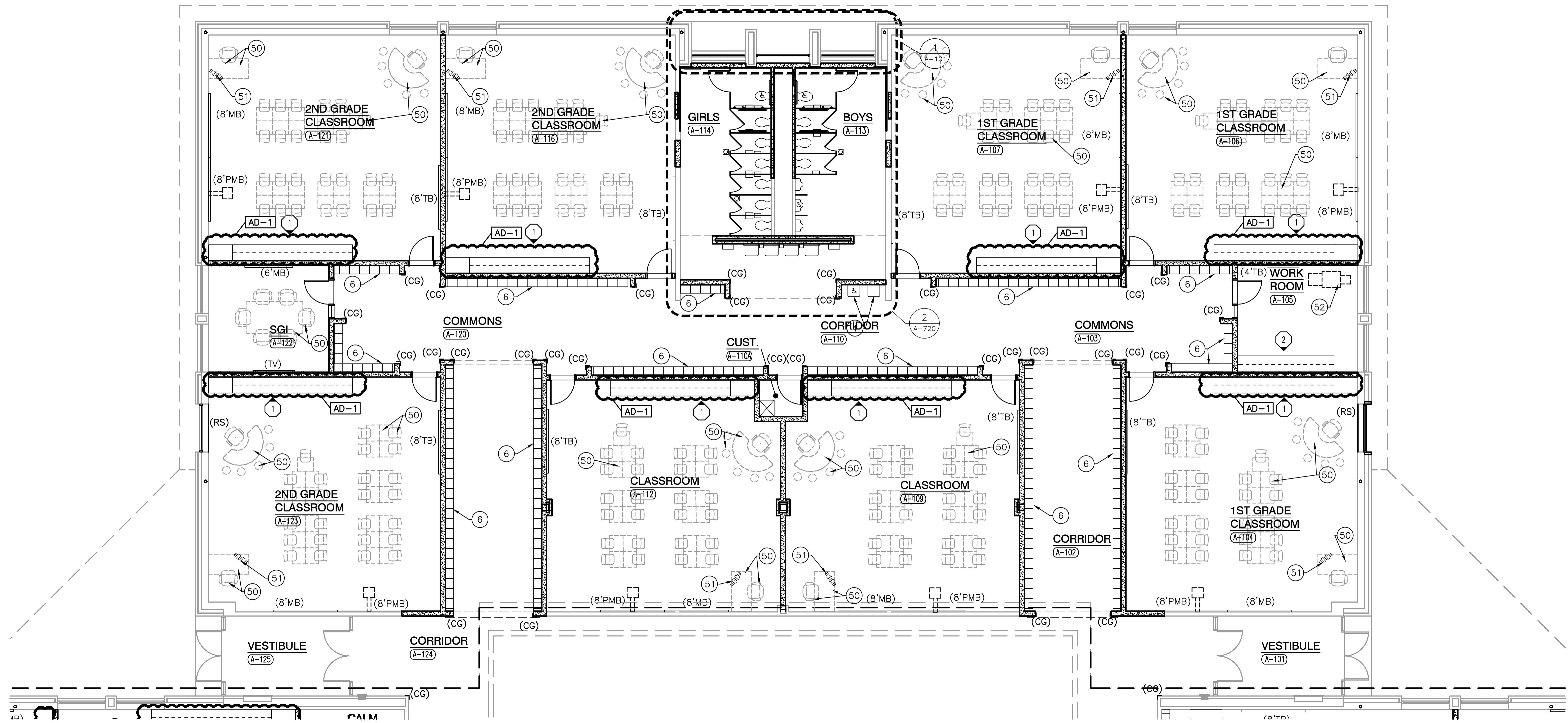
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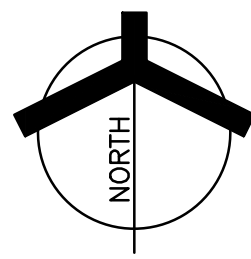
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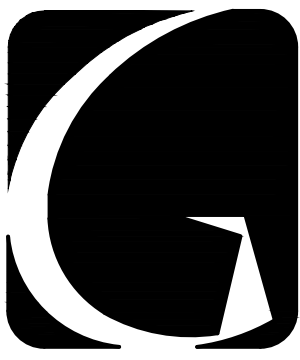
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UNIT "A" FIRST FLOOR EQUIPMENT PLAN

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





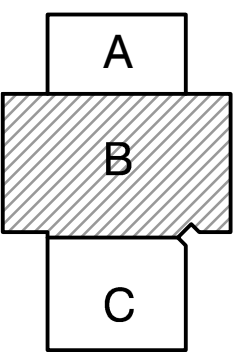
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CHESTERTON, INDIANA



KEY PLAN

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

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DRAWING

**UNIT "B" FIRST FLOOR
EQUIPMENT PLAN**

PROJECT

JACKSON ES - RENOVATIONS

GIBRALTAR DESIGN

SHEET

B

A-702

OWNER FURNISHED EQUIPMENT

PLAN NOTES:

- LOOSE FURNITURE, BY OWNER, INDICATED ON PLAN FOR ELECTRICAL AND TECHNOLOGY COORDINATION.
- COMPUTER/MONITOR, BY OWNER
- PRINTER/COPYER, BY OWNER
- REFRIGERATOR WITH ICE MAKER, BY OWNER
- SHELVING, BY OWNER.
- FILE CABINET, BY OWNER.
- MICROWAVE, BY OWNER.
- VENDING MACHINE, BY OWNER.
- CLINIC COTS, BY OWNER.
- KILN, BY OWNER.
- PIANO, BY OWNER.
- CHANGING TABLE, BY OWNER.

EQUIPMENT PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS PLAN)

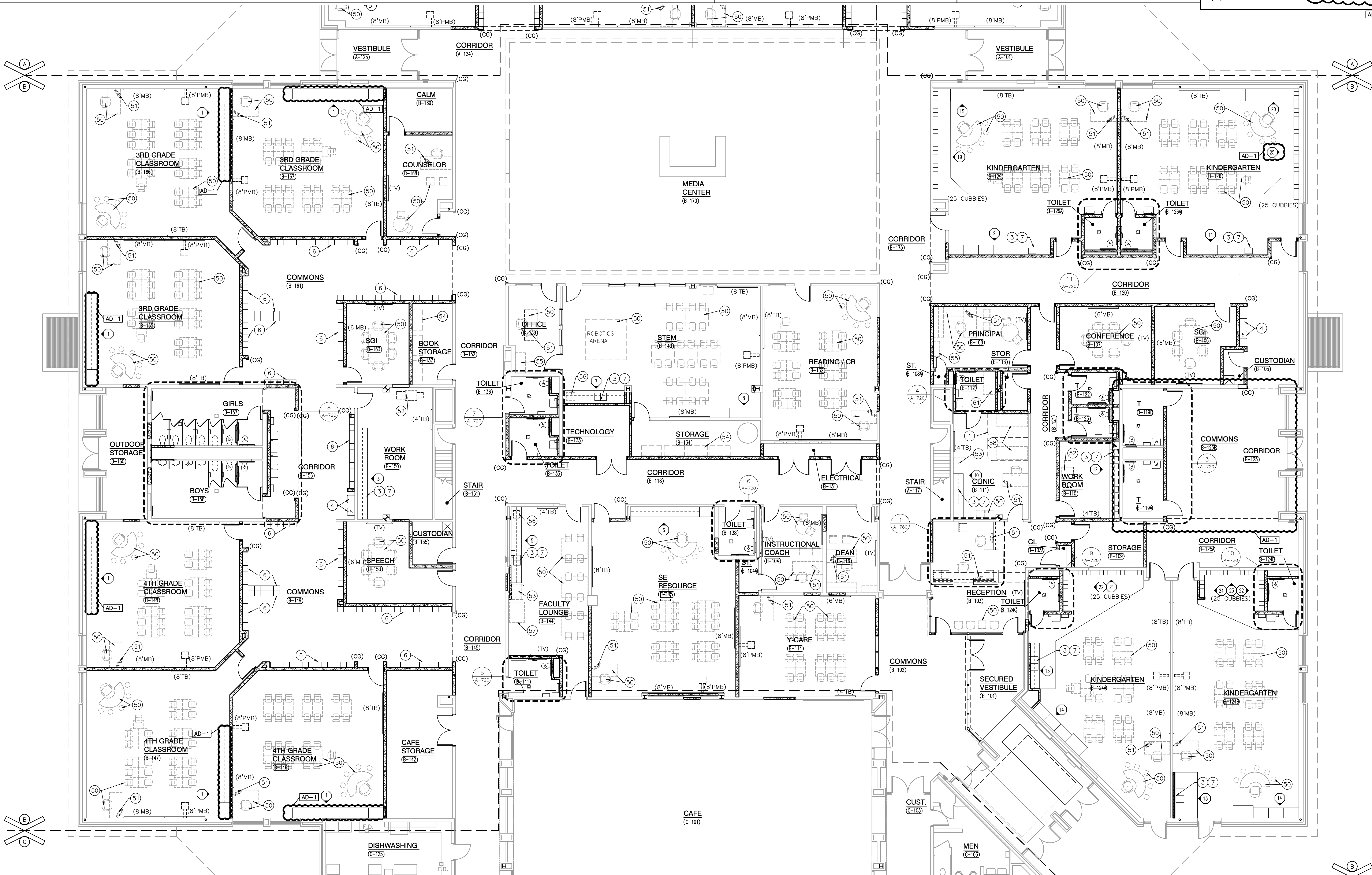
- CUBICLE CURTAIN AND TRACK (1'-0" RADIUS AT CORNER).
- NOT USED
- PAPER TOWEL AND SOAP DISPENSER, OFCI.
- DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS.
- NOT USED
- LOCKERS, SEE DETAILS.
- SINK IN CASEWORK, REFER TO CASEWORK AND PLUMBING DRAWINGS.

GENERAL EQUIPMENT PLAN NOTES:

- REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.
- FIELD VERIFY ALL DIMENSIONS.
- CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK, REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS.
- REFER TO G SERIES DRAWINGS FOR MOUNTING HEIGHTS.
- REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ROOM ACCESSORIES.

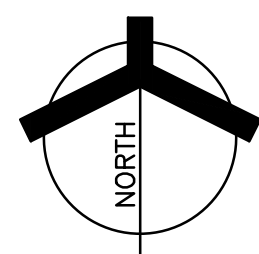
EQUIPMENT PLAN LEGEND:

- INDICATES CASEWORK ELEVATION SYMBOL - REFER TO A-800 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACT).
- INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
- INDICATES CORNER GUARD.
- INDICATES 4" HIGH TACK BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.
- INDICATES 4" HIGH MARKER BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING.
- INDICATES 4" HIGH PROJECTABLE MARKER BOARD. REFER TO MOUNTING HEIGHT DRAWING.
- TELEVISION MONITOR, REFER TO TECHNOLOGY DRAWING.
- INDICATES ROLLER SHADE.



UNIT "B" FIRST FLOOR EQUIPMENT PLAN

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



Wednesday, 11/9/2022 - 9:15 AM - LAST SAVED BY: CONELSON
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RENOVATIONS\21-143 DRAWINGS\05 ARCH\A-702.DWG

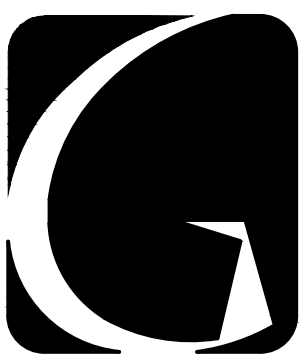
GENERAL RESTROOM PLAN NOTES:

- A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G201.
- B. DEPTH OF ALL TOILET ENCLOSURES SHALL BE A MINIMUM OF 5'-0" CLEAR INSIDE DIMENSION UNLESS NOTED OTHERWISE.
- C. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES.
- D. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
- E. COORDINATE HEIGHT OF GRAB BAR WITH TANK OF FLOOR MOUNTED WATER CLOSET OR FLUSH VALVE OF WALL MOUNTED WATER CLOSET.
- F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.
- G. FOR PARTITION TYPES REFER TO SHEET G-301.
- H. FOR ACCESSIBLE MOUNTING HEIGHTS REFER TO SHEET G-301.
- I. WHERE EXISTING PARTITIONS ARE REPLACED AND NEW PARTITION BRACKETS DO NOT COVER OLD MOUNTING HOLES, PATCH HOLE OR REPLACE TILE TO MATCH ADJACENT WALL FINISH.
- J. WHERE EXISTING PARTITIONS ARE REPLACED AND NO DIMENTIONS ARE INDICATED, VERIFY LOCATION OF EXISTING PARTITIONS AND INSTALL NEW PARTITIONS IN SAME LOCATION.

RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- 1 ACCESSIBLE FACILITIES.
- 2 ACCESSIBLE FIXTURE (LAVATORY/URNAL). REFER TO PLUMBING DRAWINGS.
- 3 TOILET PARTITION.
- 4 URINAL SCREEN WALL.
- 5 TOILET PAPER HOLDER. (OFCI)
- 6 SOAP DISPENSER. (OFCI)
- 7 AUTOMATIC ELECTRIC HAND DRYER. REFER TO ELECTRICAL DRAWINGS FOR POWER CONNECTION.
- 8 24"x24" ACCESS PANEL. MOUNT TOP OF PANEL AT 5'-4" A.F.F. COORDINATE LOCATION W/ SENSOR HEIGHT.
- 9 1'-6" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40"A.F.F.
- 10 2'-0" x 5'-0" MIRROR BOTTOM @ 1'-4" A.F.F.
- 11 FEMININE NAPKIN DISPOSAL.
- 12 ELECTRIC WATER COOLER, REFER TO EQUIPMENT PLANS AND PLUMBING DRAWINGS.
- 13 FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
- 14 MOP SINK. REFER TO PLUMBING DRAWINGS.
- 15 LOCKERS, REFER TO EQUIPMENT PLAN.
- 16 CUBBIES, REFER TO EQUIPMENT PLAN.
- 17 ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS.
- 18 PAPER TOWEL DISPENSER. (OFCI).

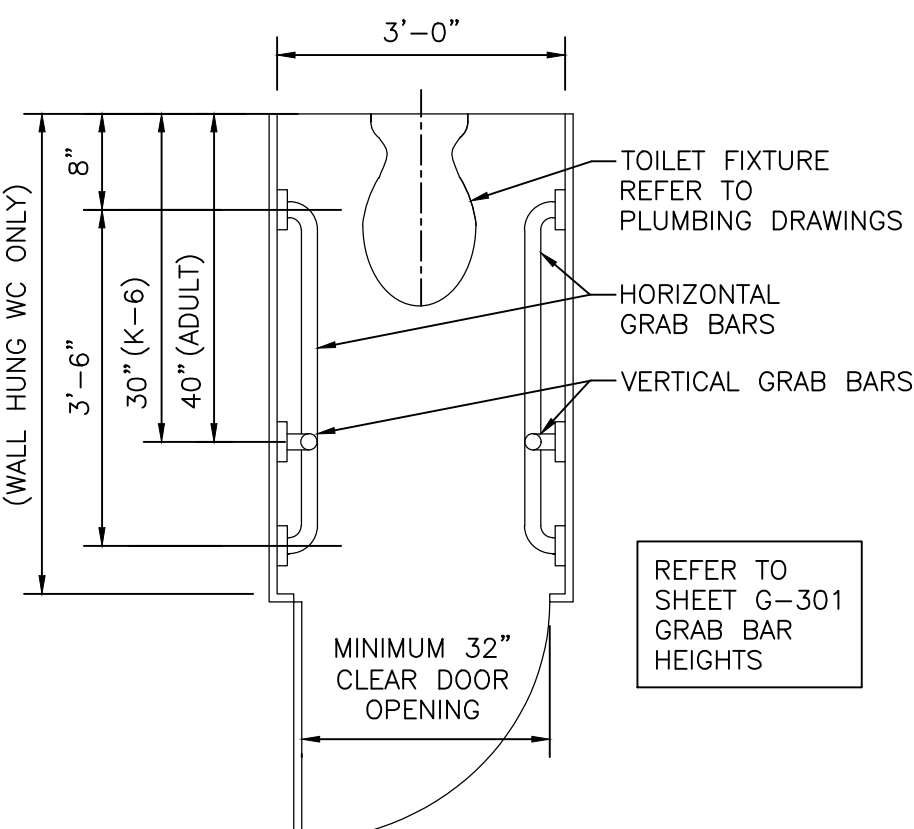


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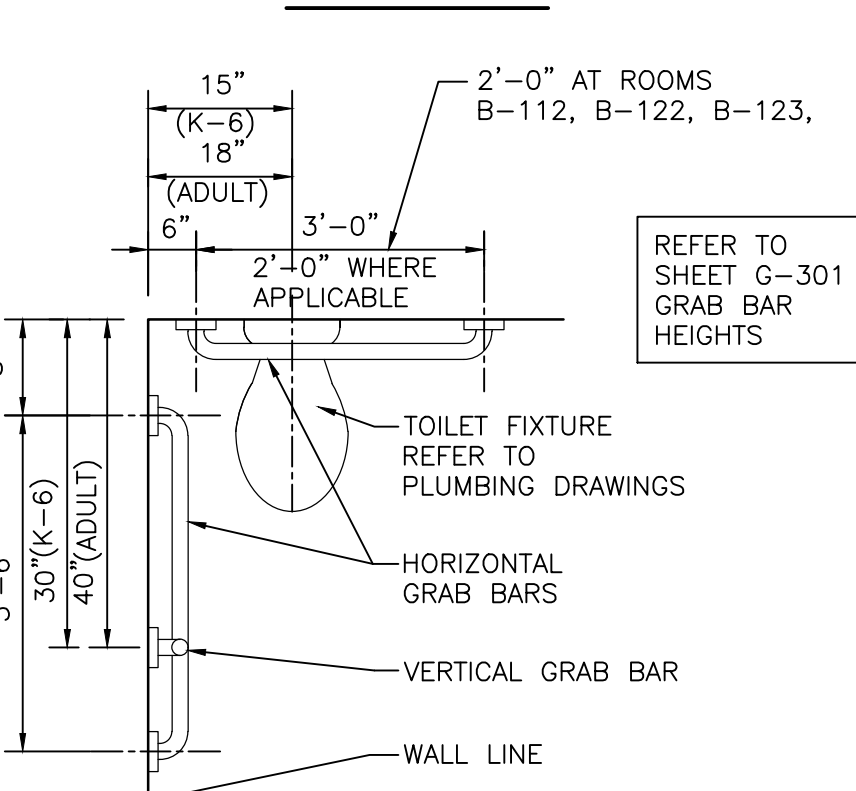
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SCHOOL -
RENOVATIONS**

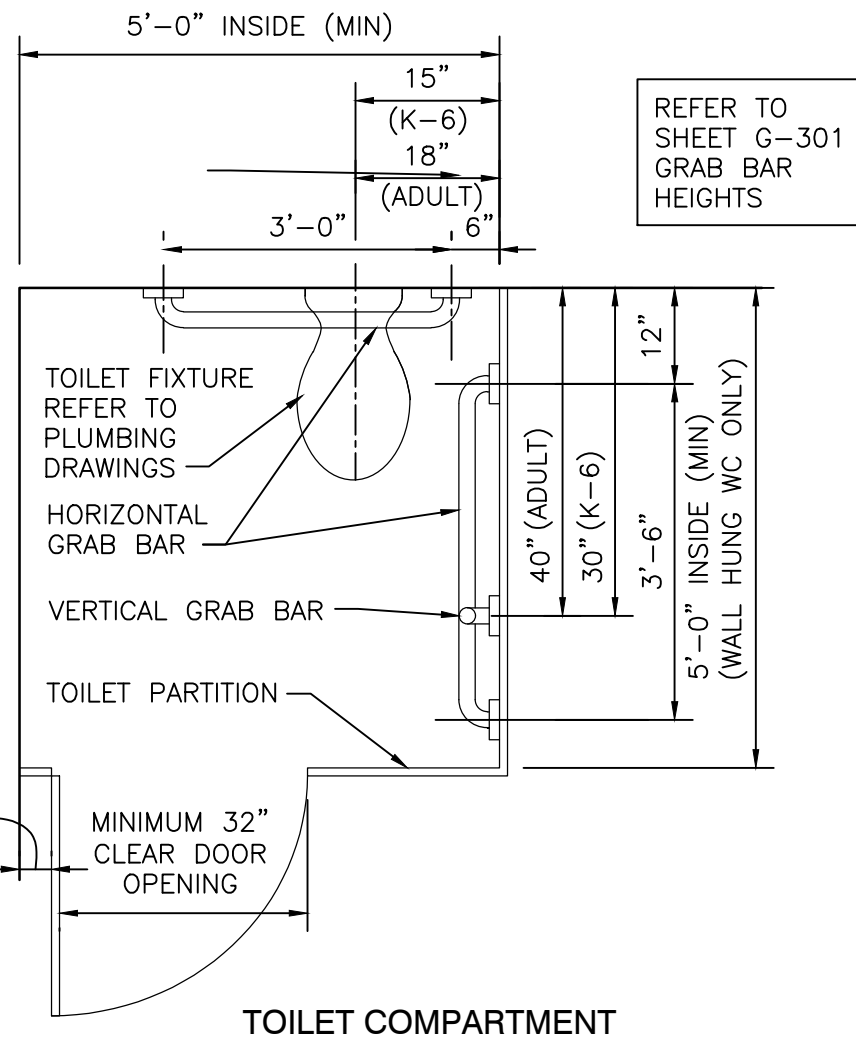
DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA



3'-0" WIDE STALL



SINGLE USER TOILET ROOM



TOILET COMPARTMENT

ACCESSIBLE FACILITIES

SCALE: 1/2" = 1'-0"

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

21-143

DATE

10/31/22

COORDINATED BY

JMG

DRAWN BY

CJA, MMM

CHECKED BY

DJW

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MARK	DATE	ISSUED FOR
AD-1	11/09/22	ADDENDUM NO. 1

DRAWING

**ENLARGED TOILET ROOM
EQUIPMENT PLANS**

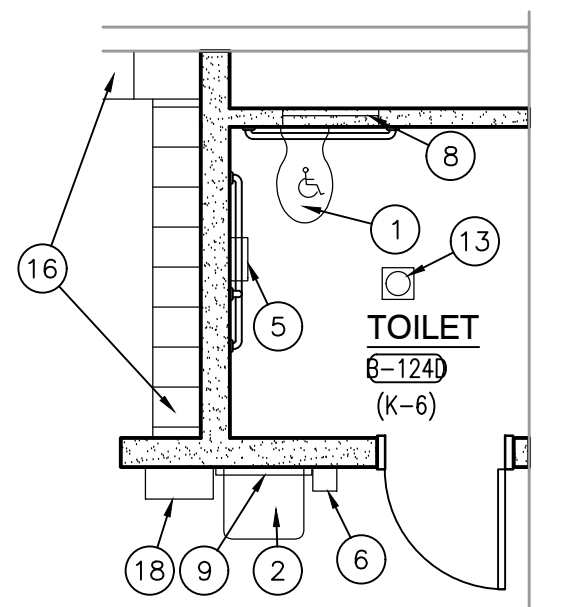
PROJECT

JACKSON ES - RENOVATIONS

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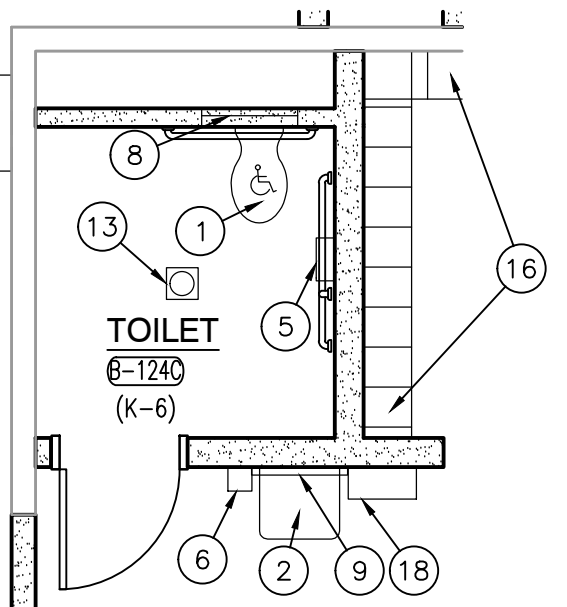
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A-720



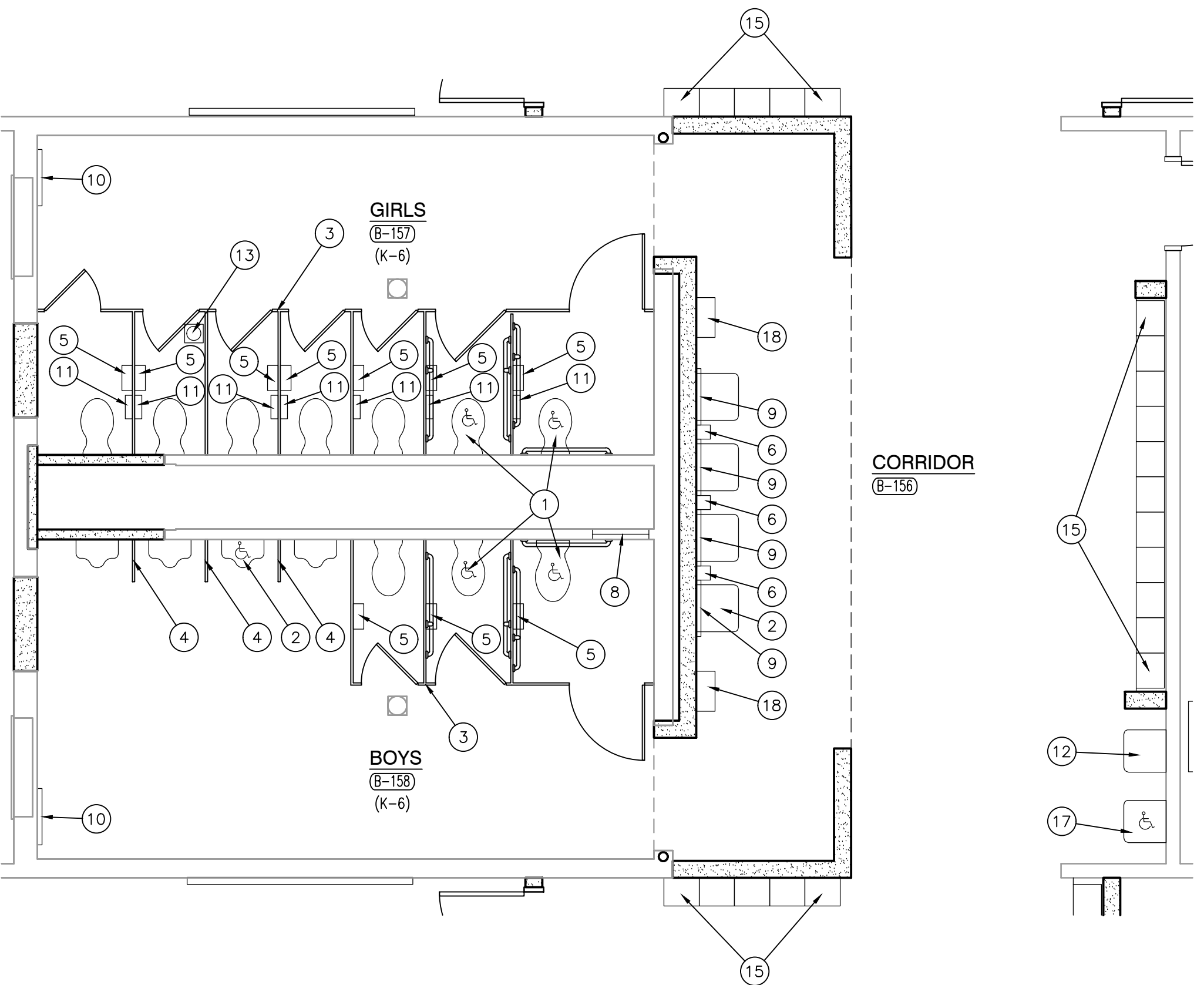
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SCALE: 1/4" = 1'-0"



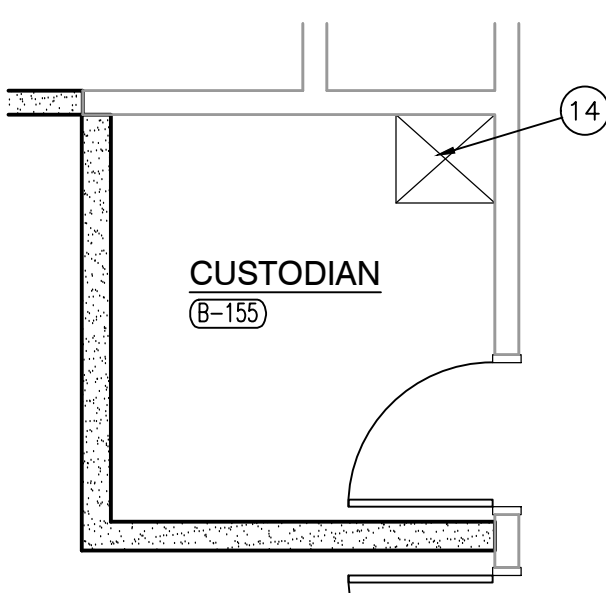
ENLARGED TOILET ROOM PLAN

SCALE: 1/4" = 1'-0"



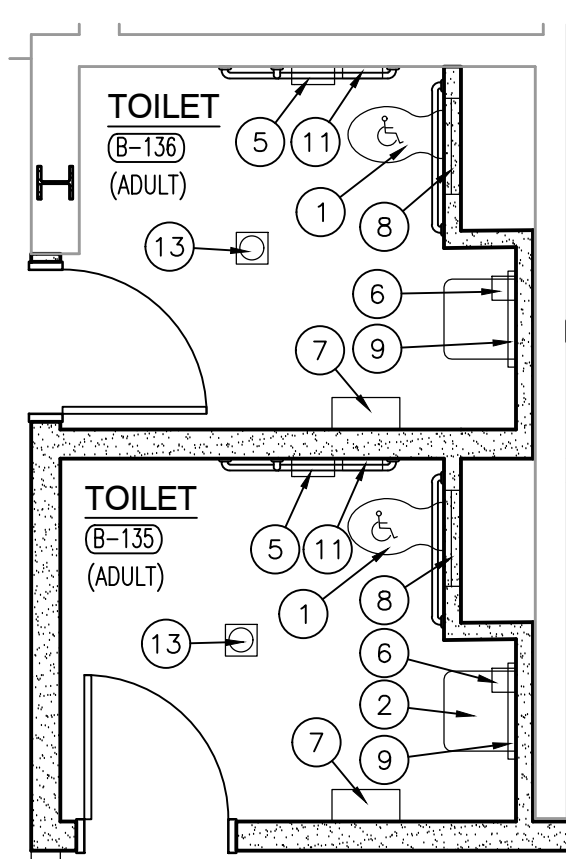
ENLARGED TOILET ROOM PLAN

SCALE: 1/4" = 1'-0"



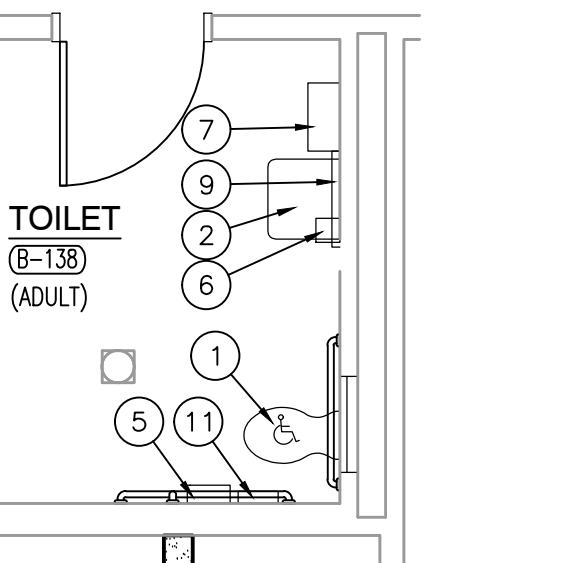
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SCALE: 1/4" = 1'-0"



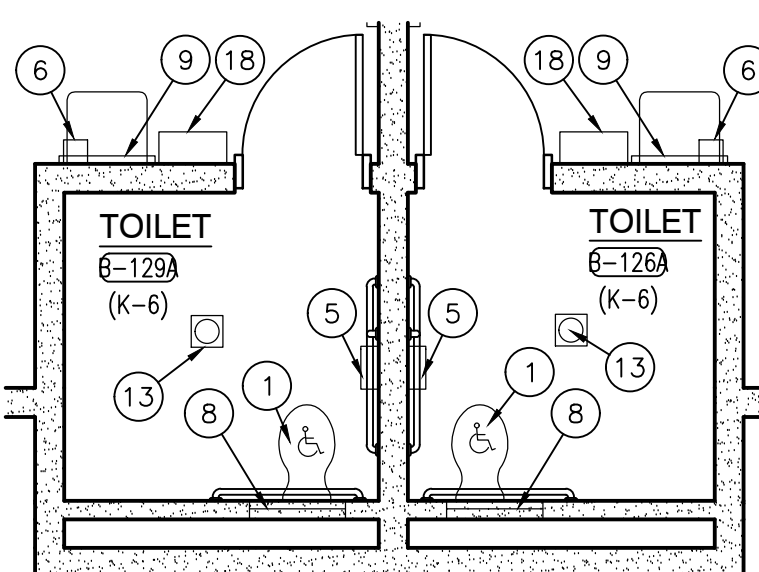
ENLARGED TOILET ROOM PLAN

SCALE: 1/4" = 1'-0"



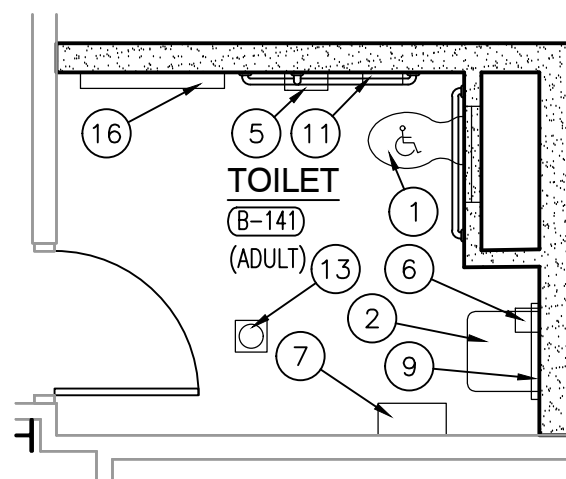
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SCALE: 1/4" = 1'-0"



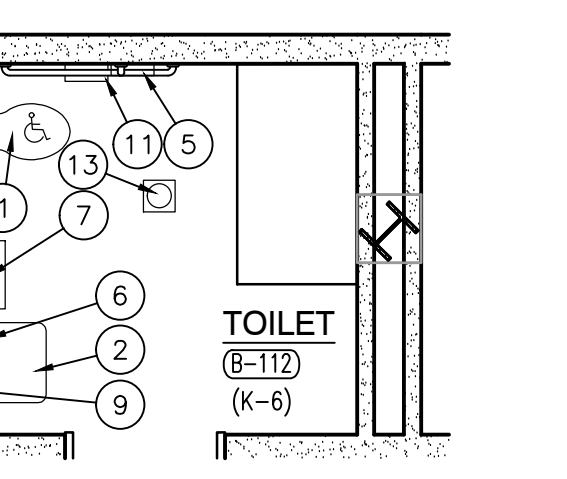
ENLARGED TOILET ROOM PLAN

SCALE: 1/4" = 1'-0"



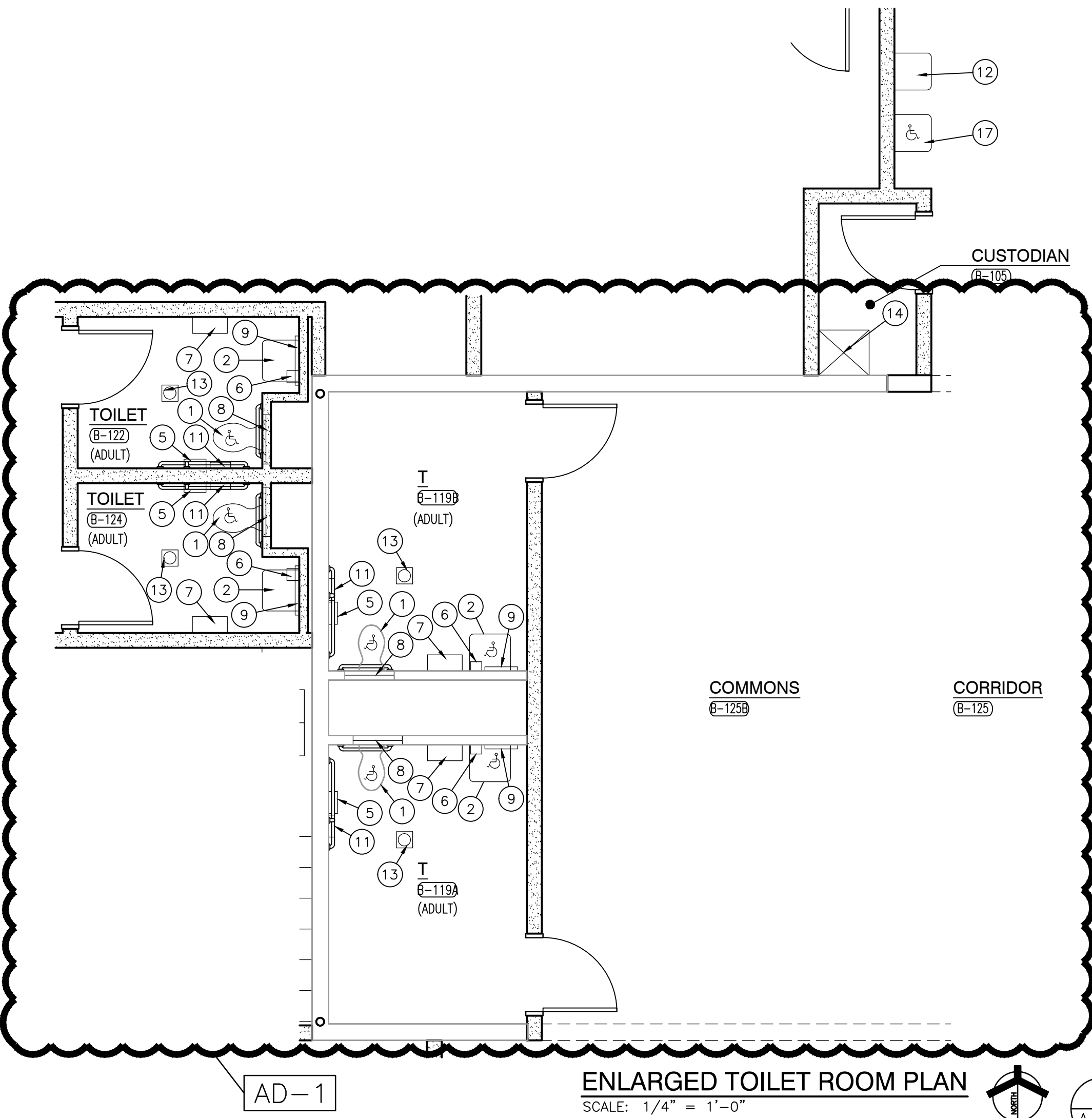
ENLARGED TOILET ROOM PLAN

SCALE: 1/4" = 1'-0"



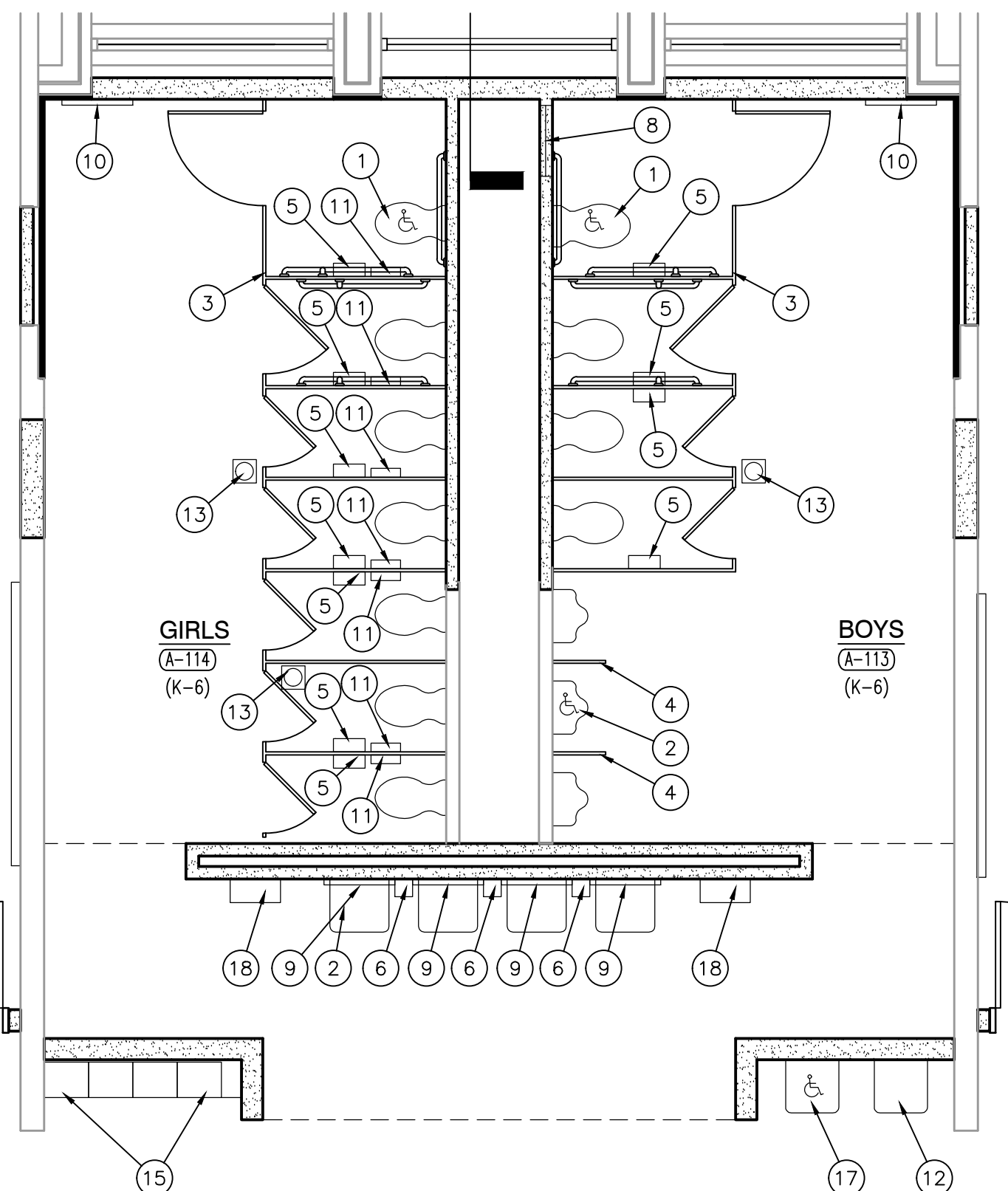
ENLARGED TOILET ROOM PLAN

SCALE: 1/4" = 1'-0"



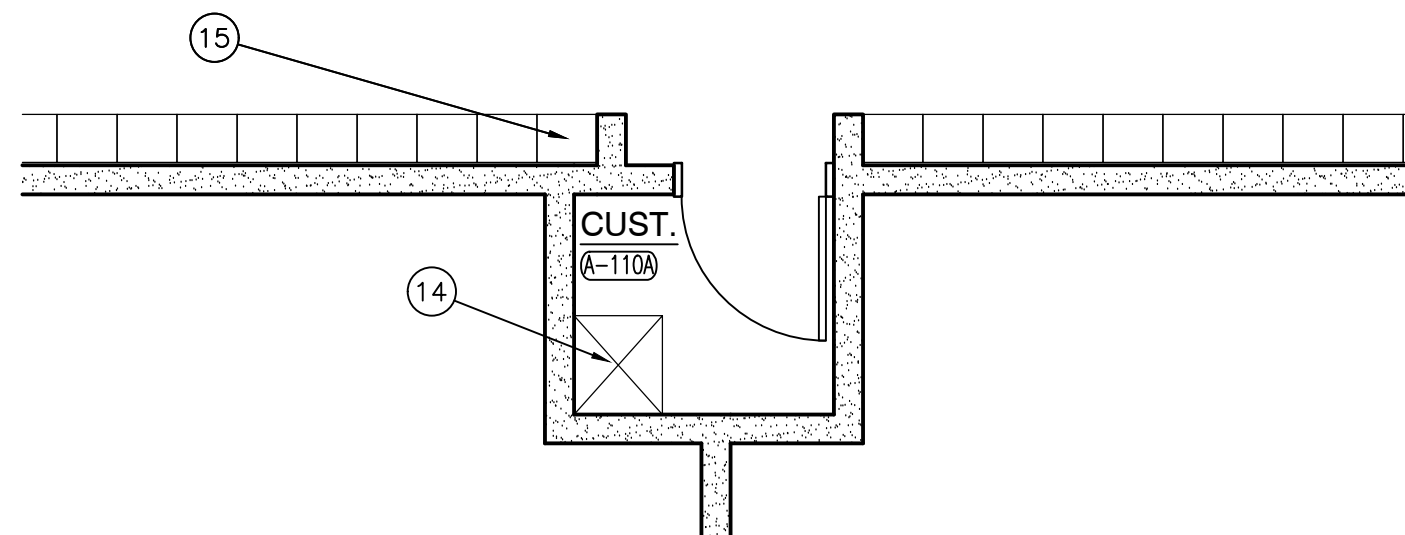
ENLARGED TOILET ROOM PLAN

SCALE: 1/4" = 1'-0"



CORRIDOR

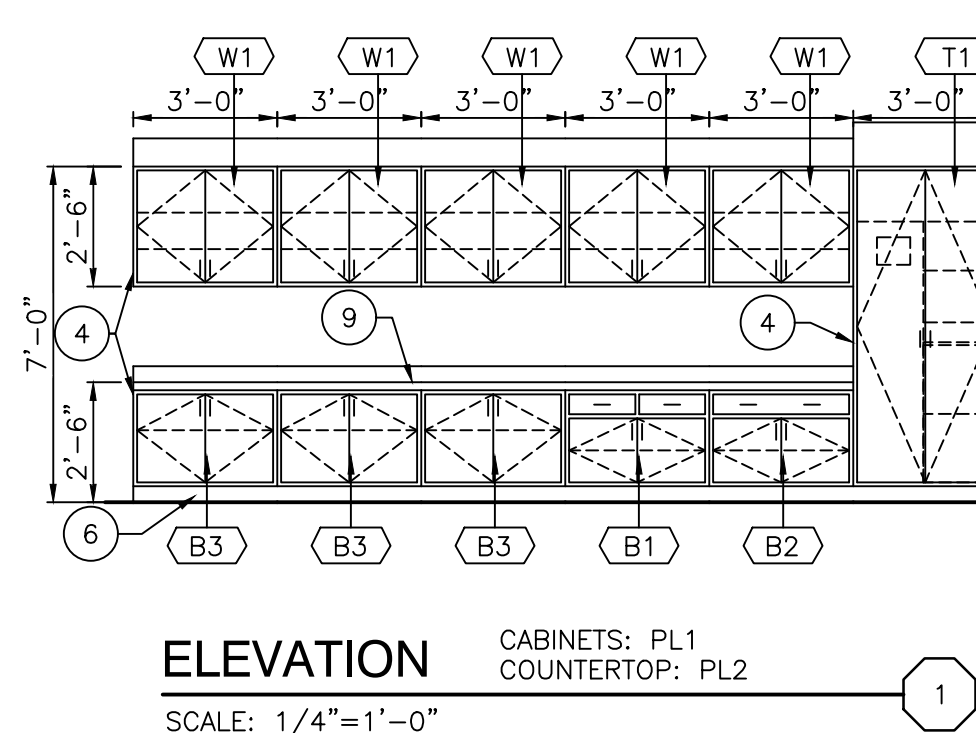
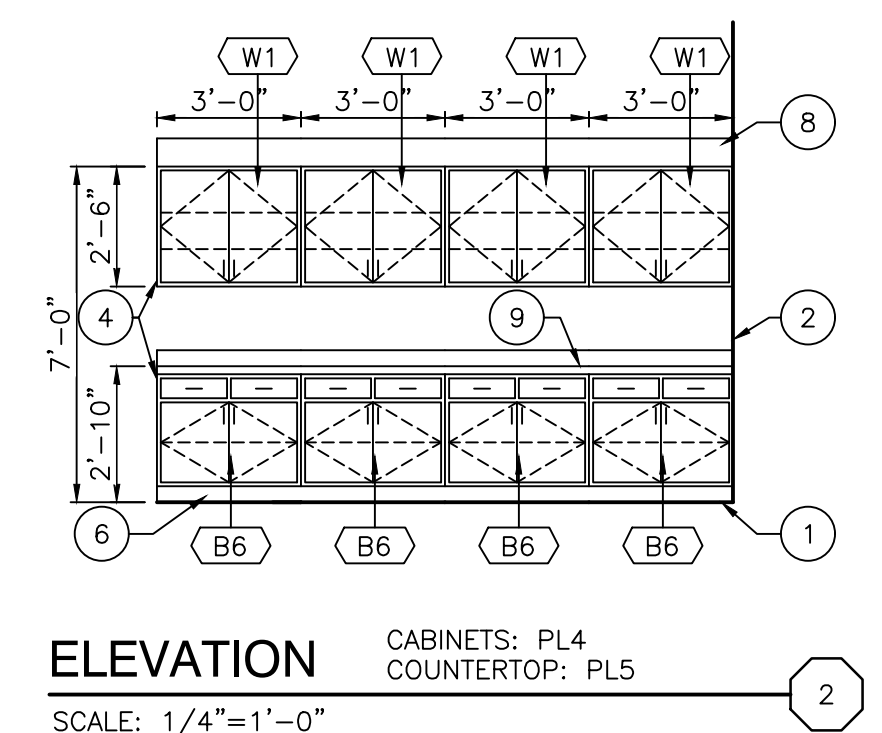
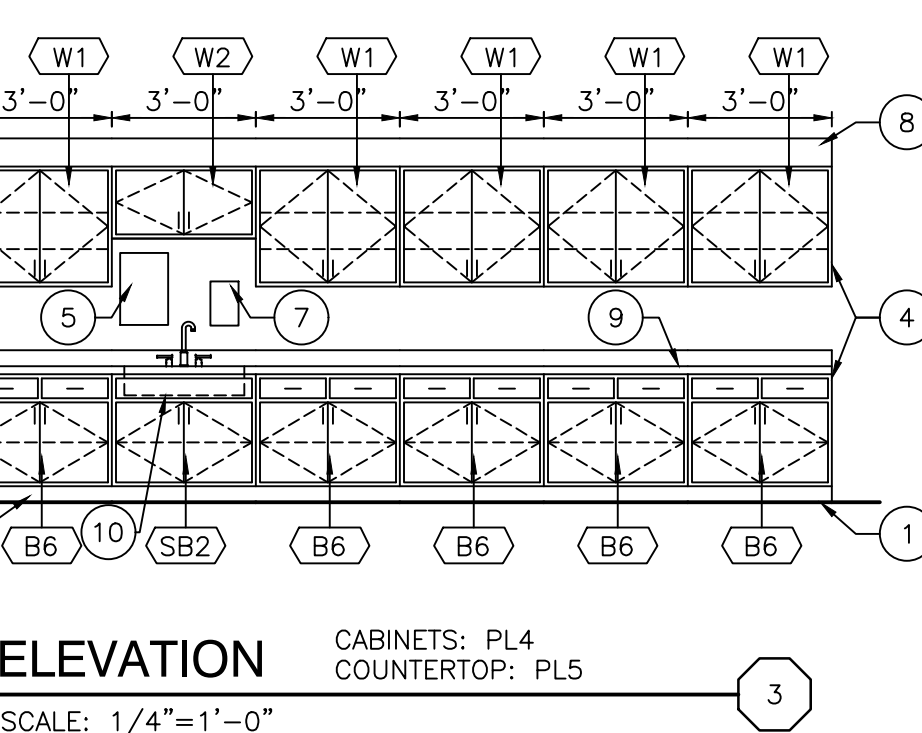
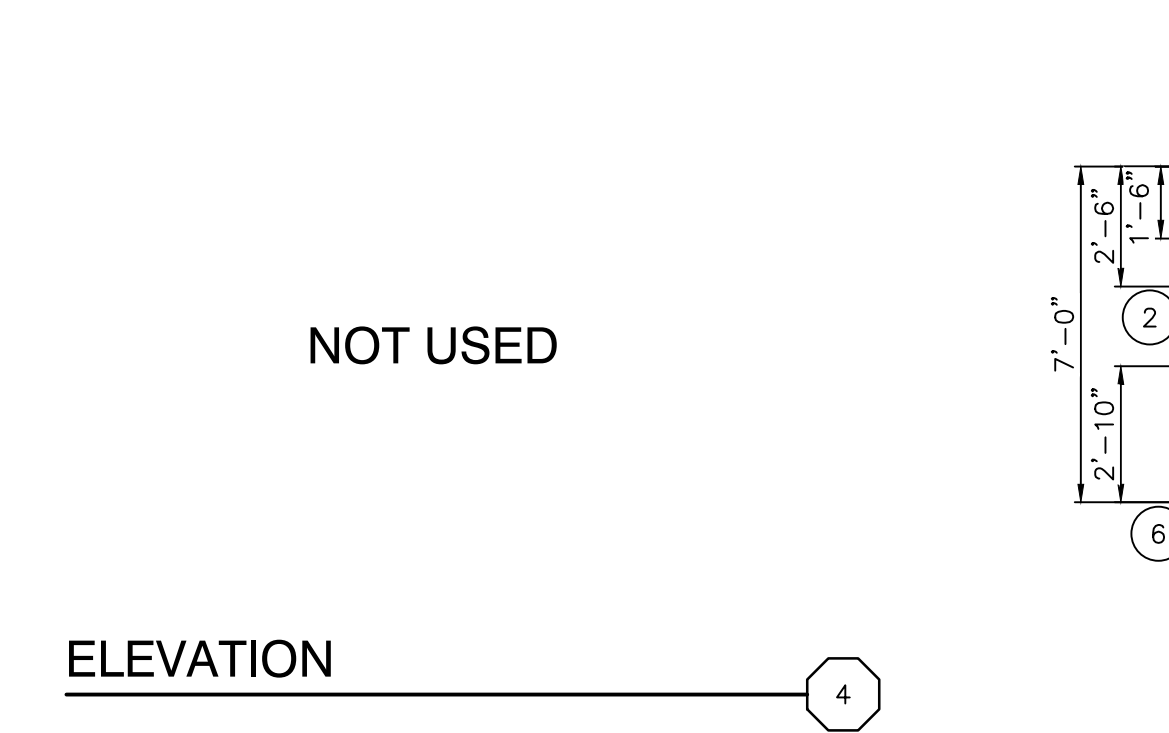
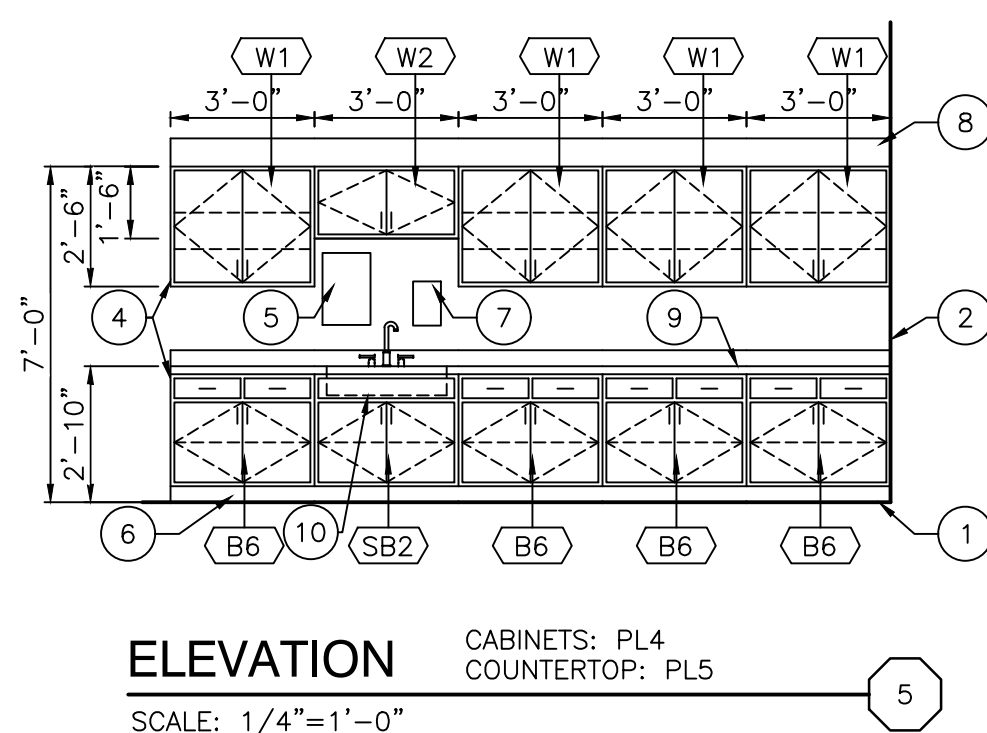
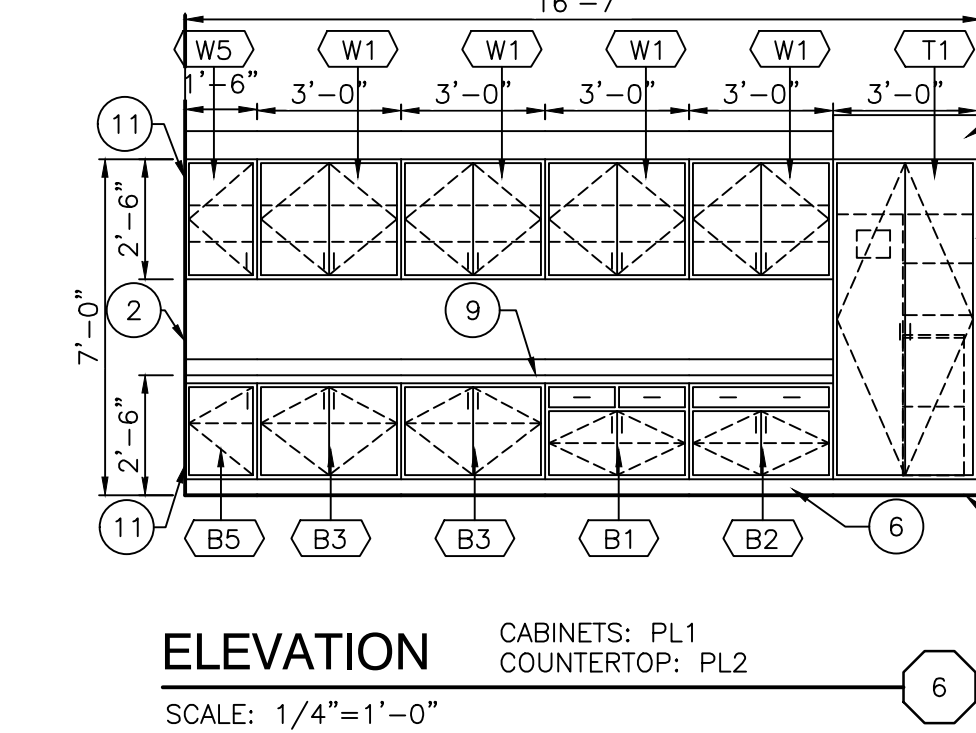
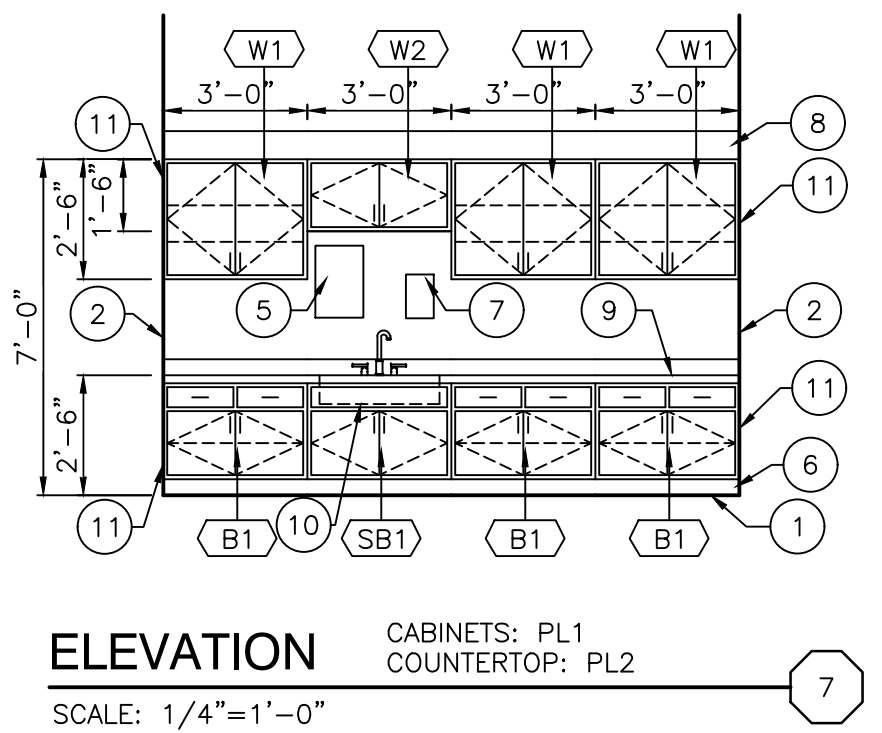
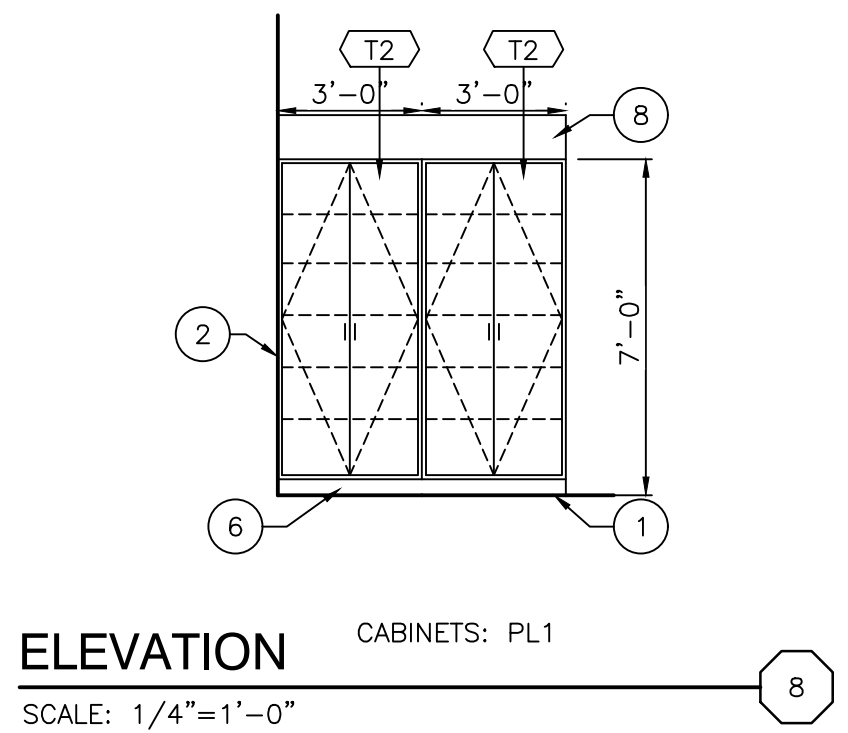
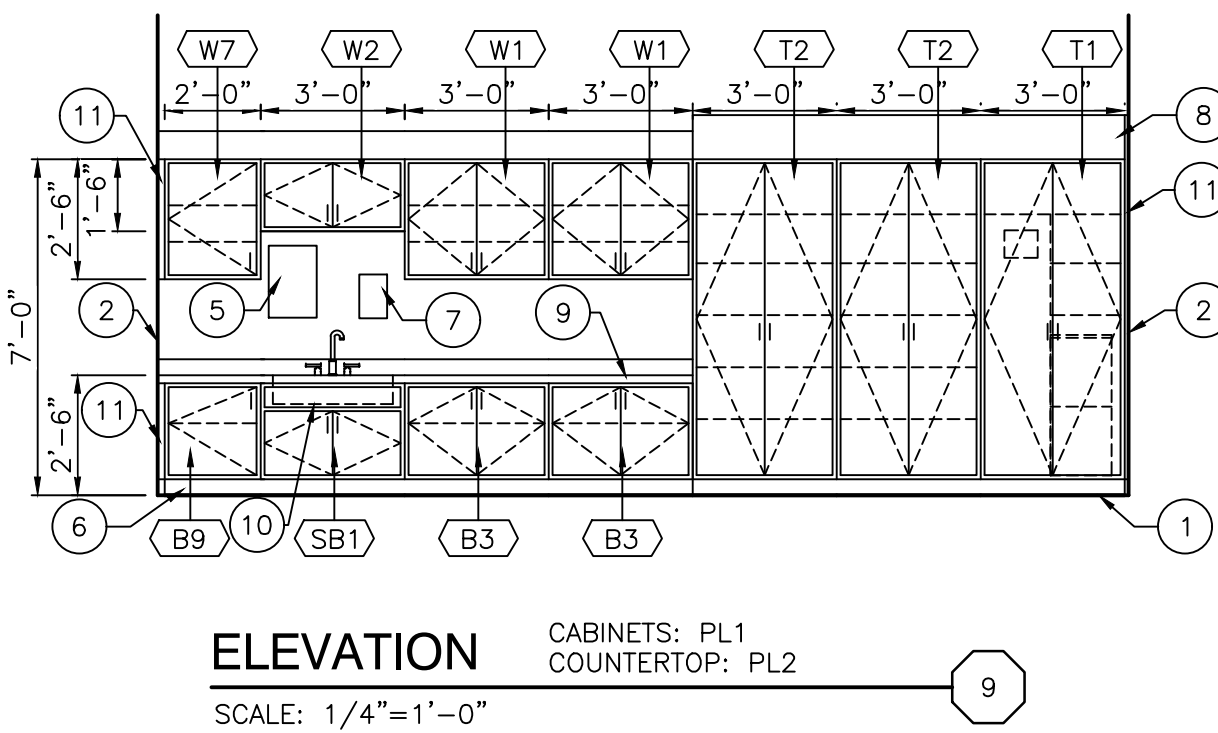
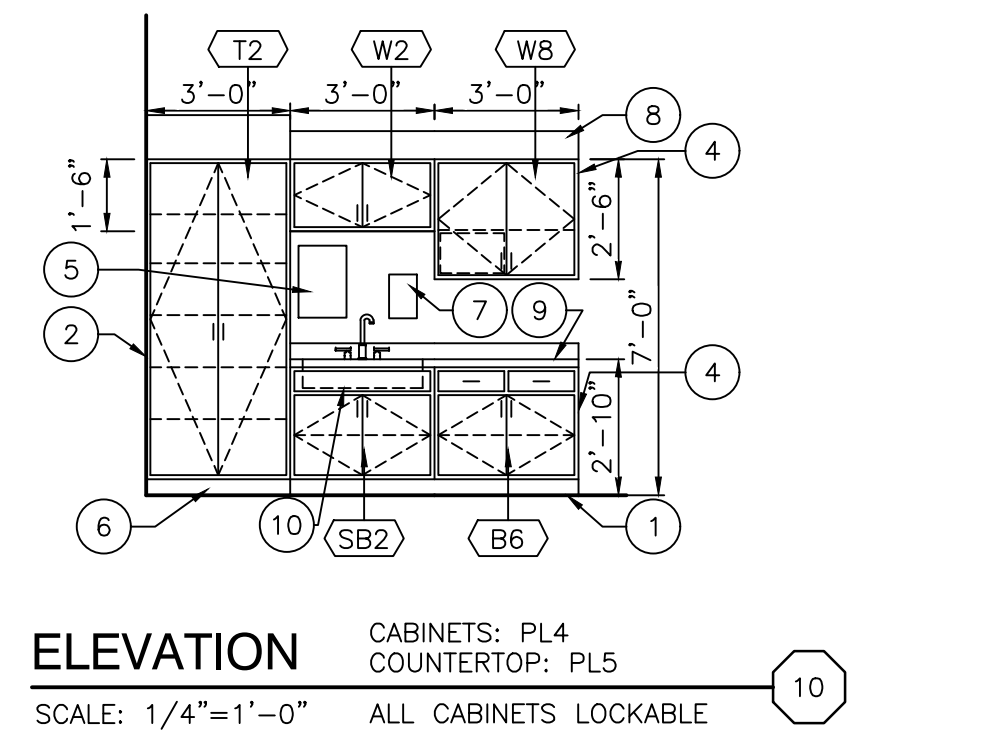
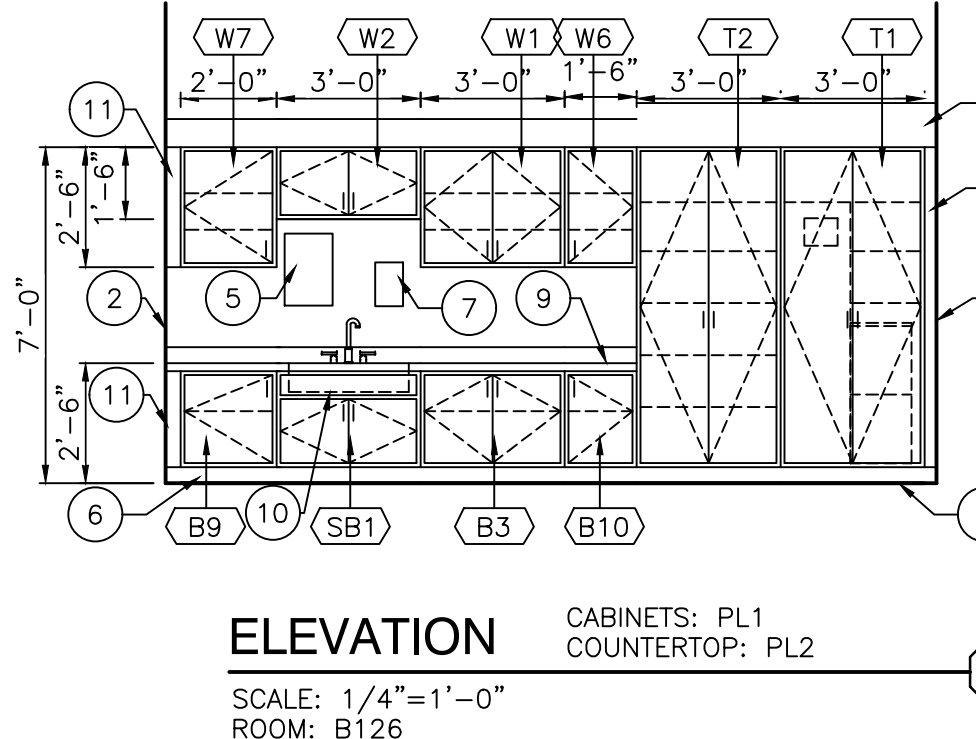
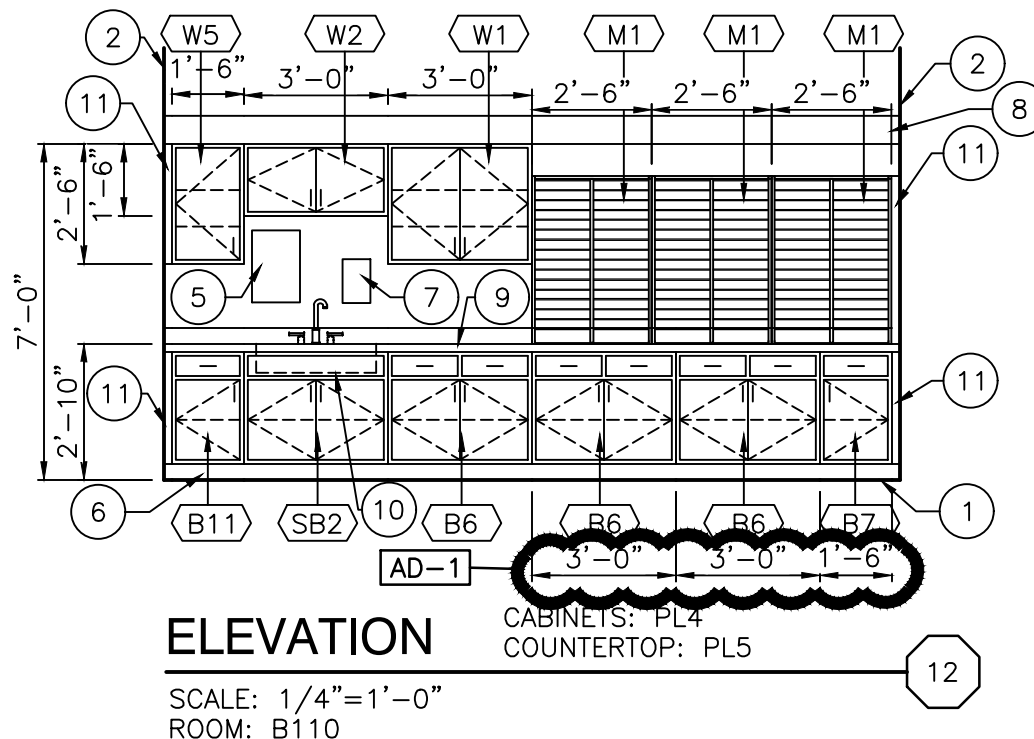
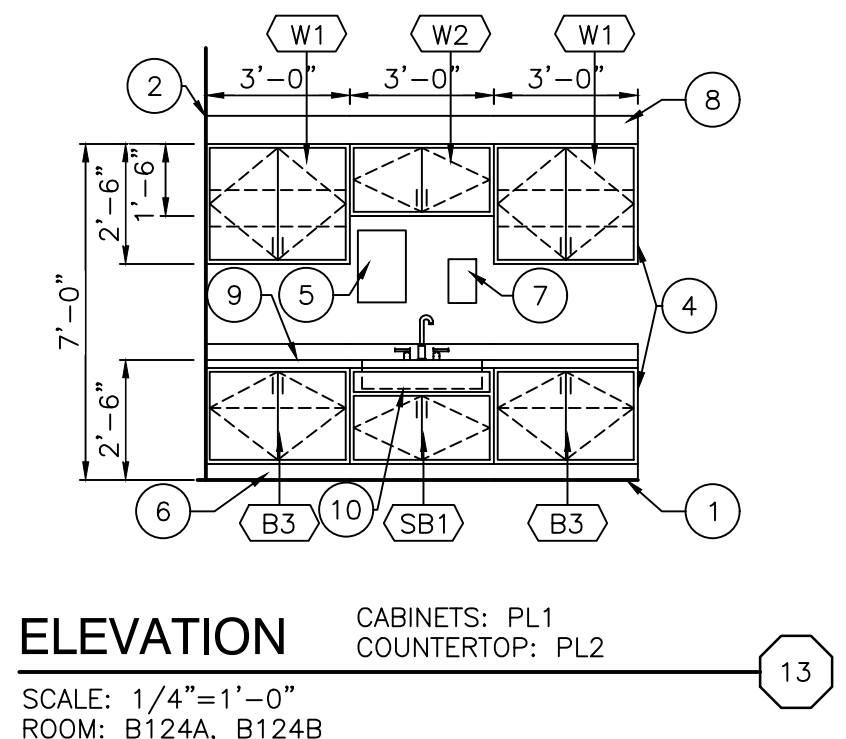
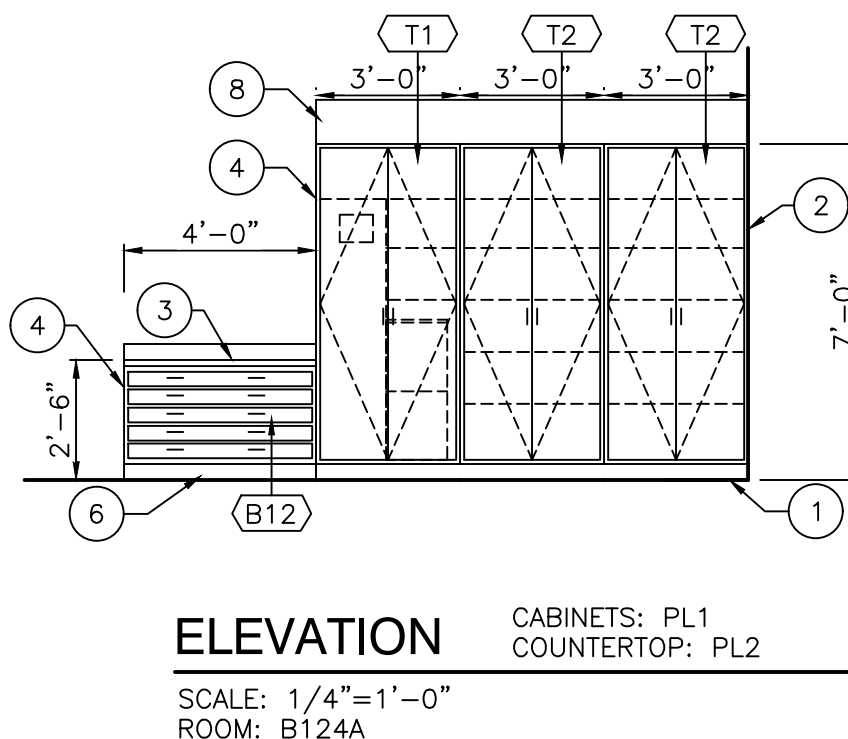
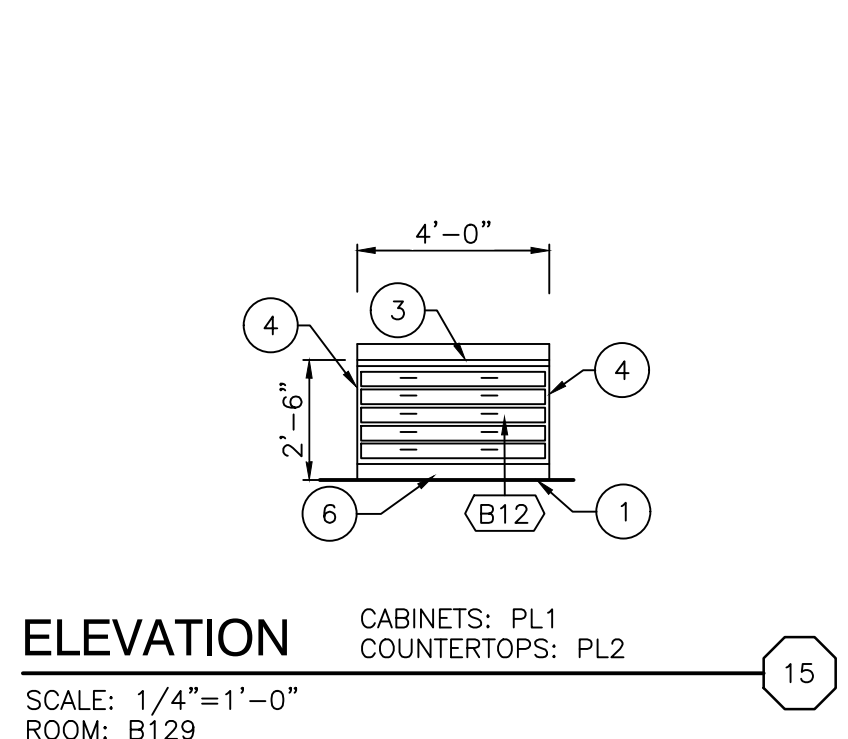
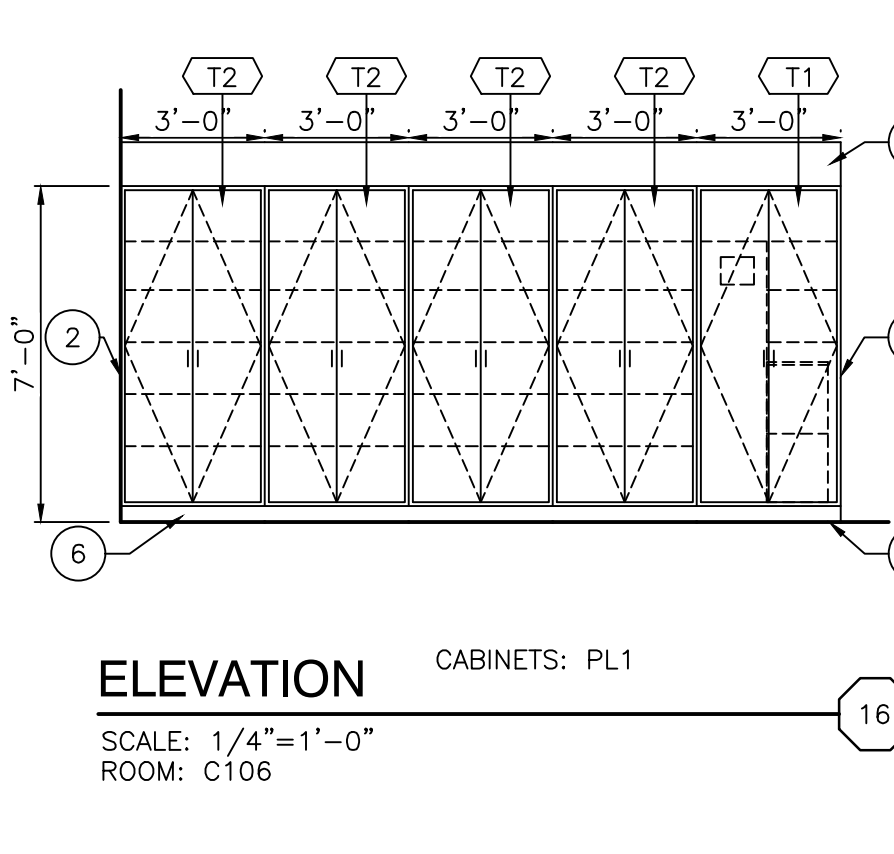
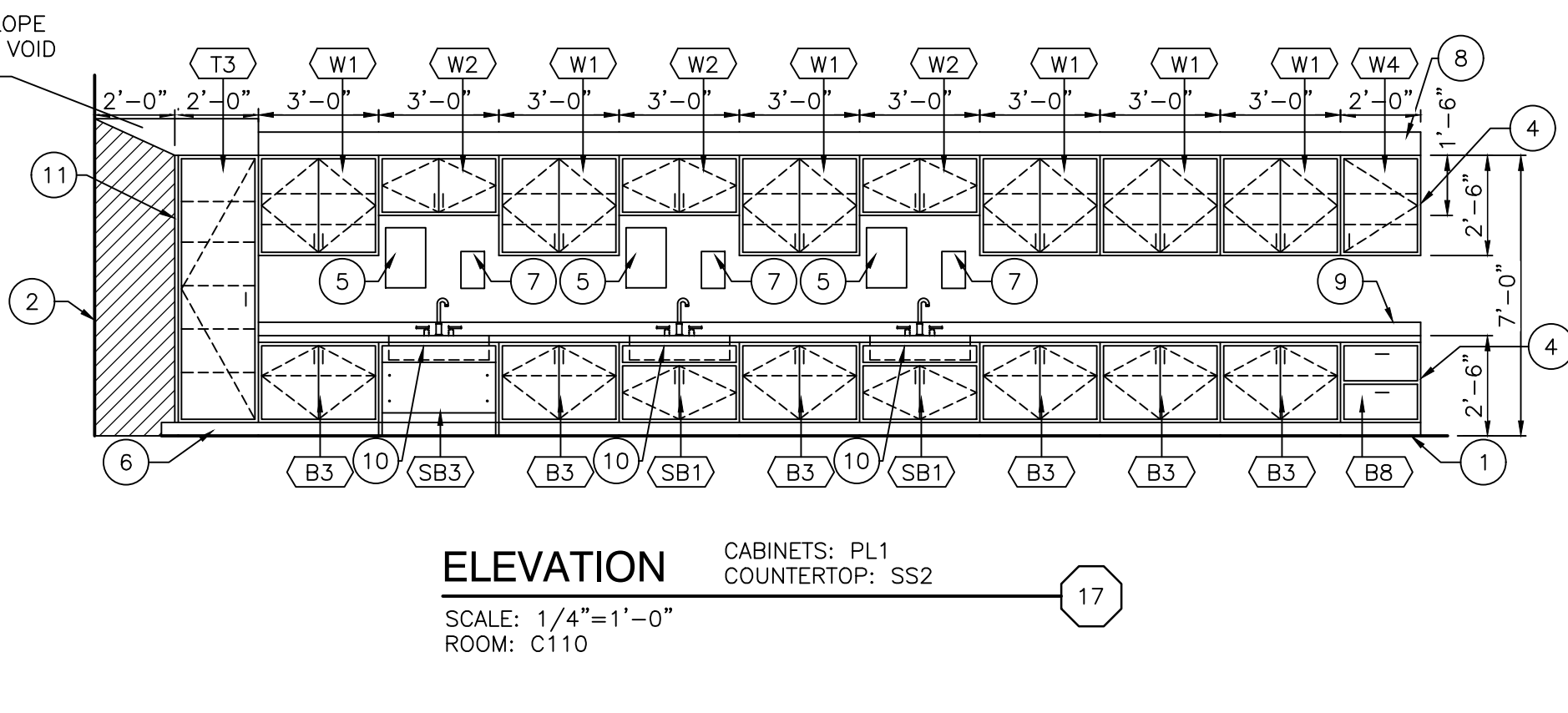
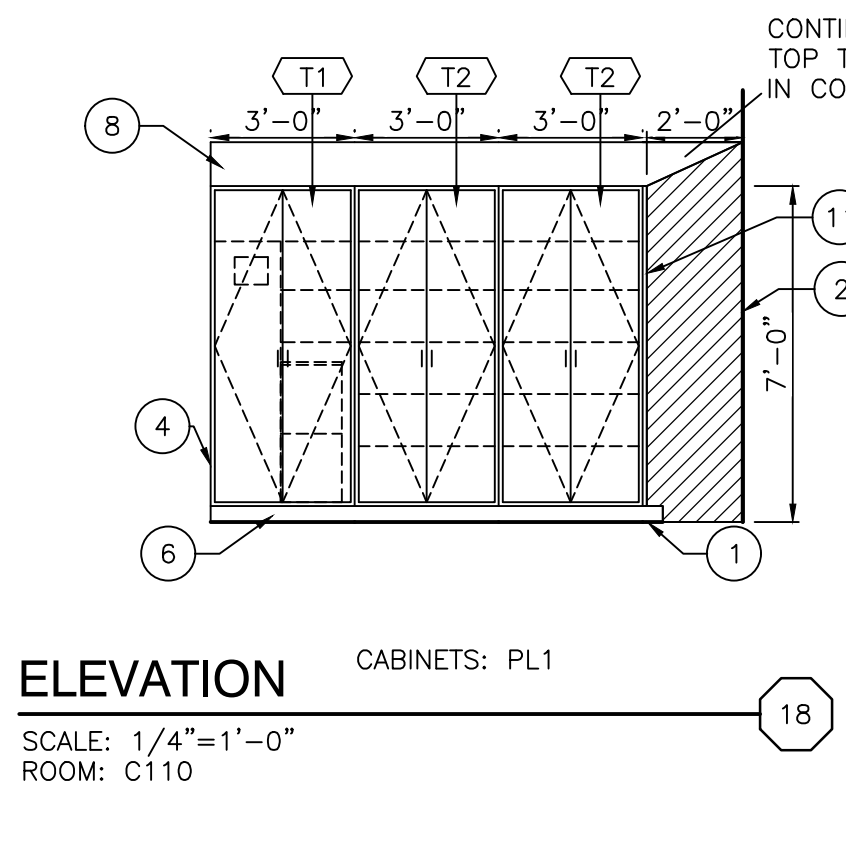
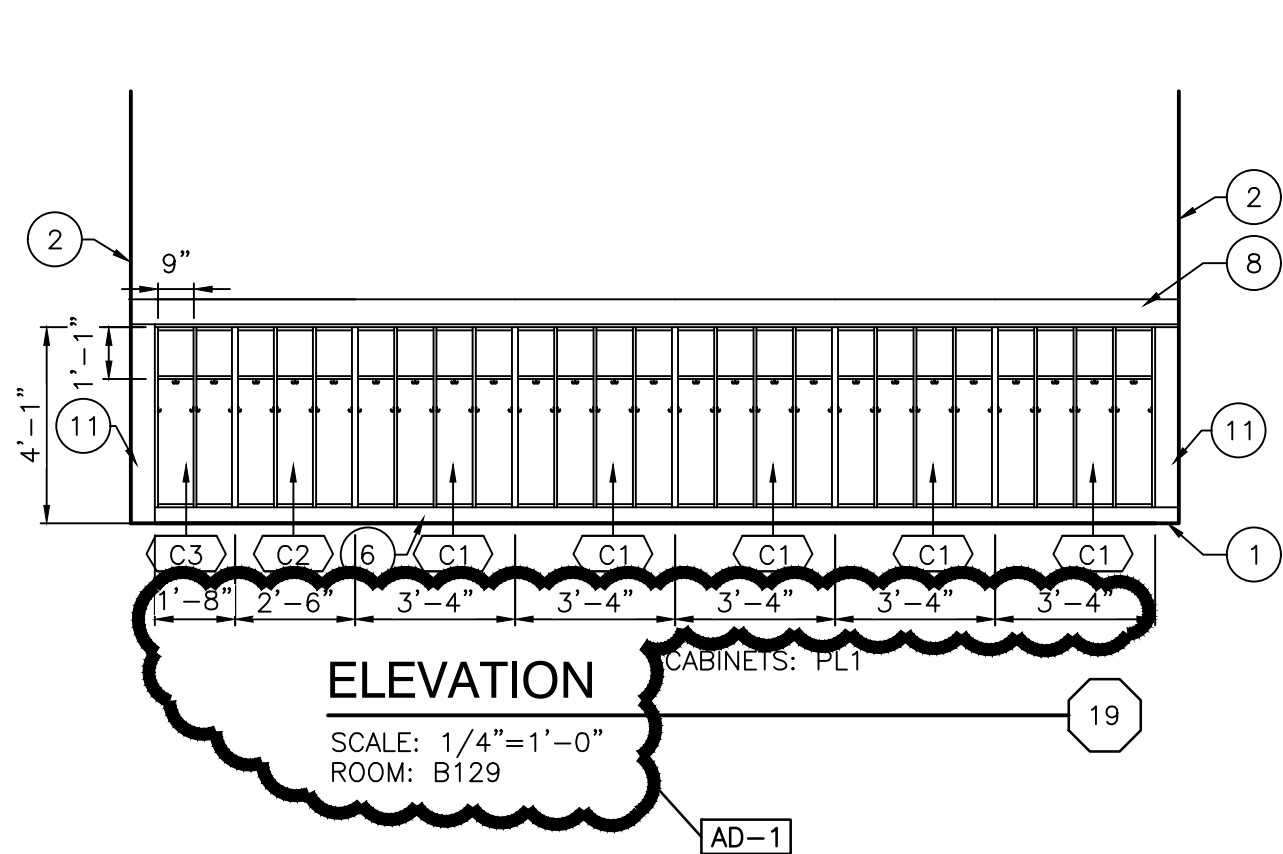
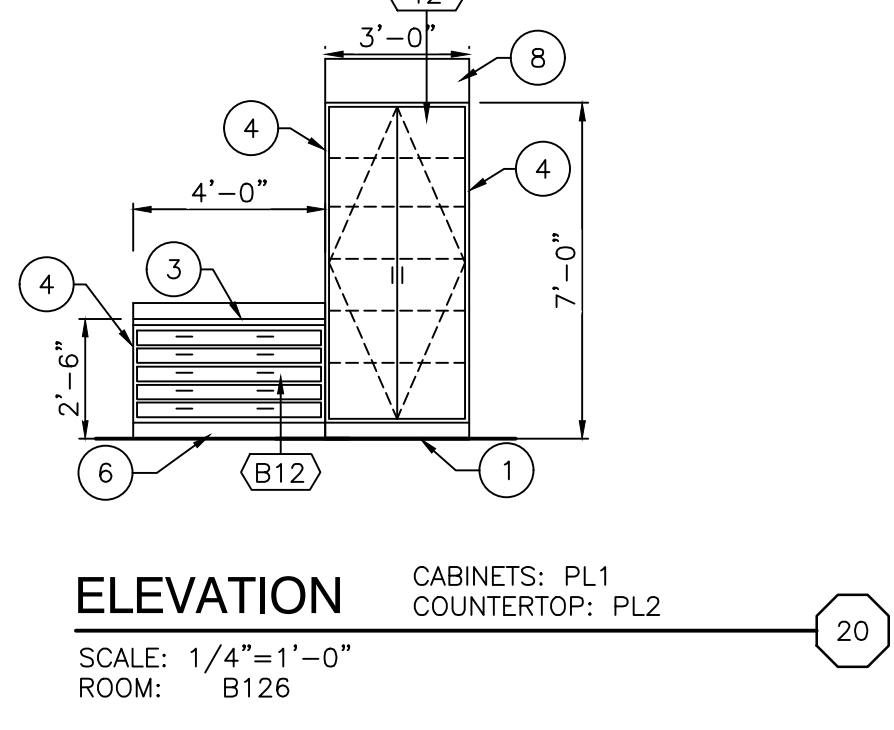
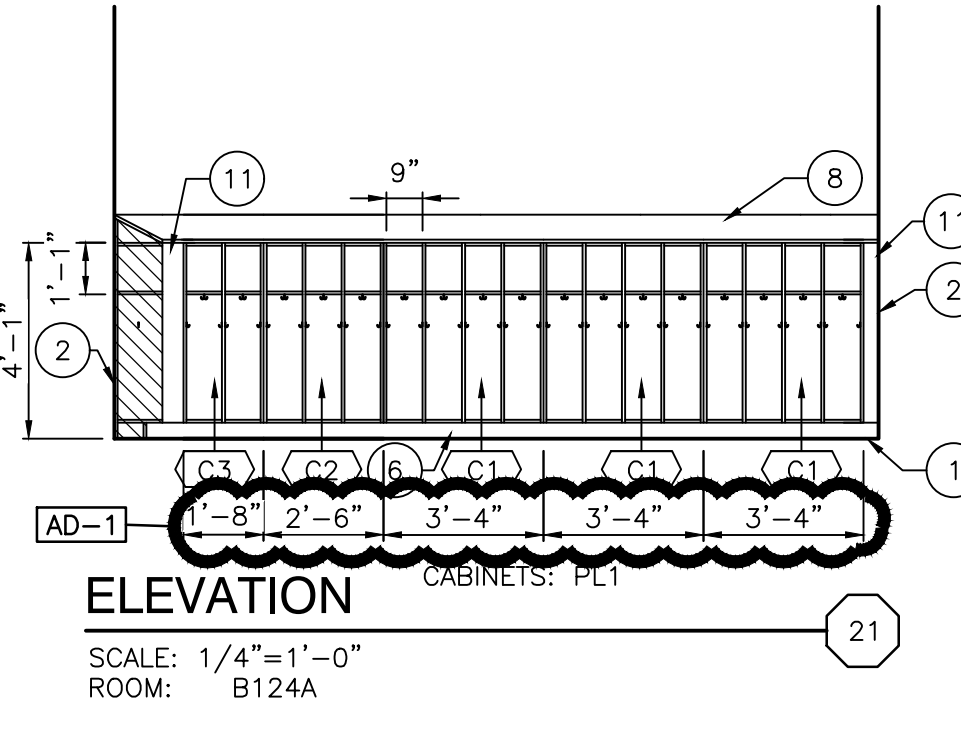
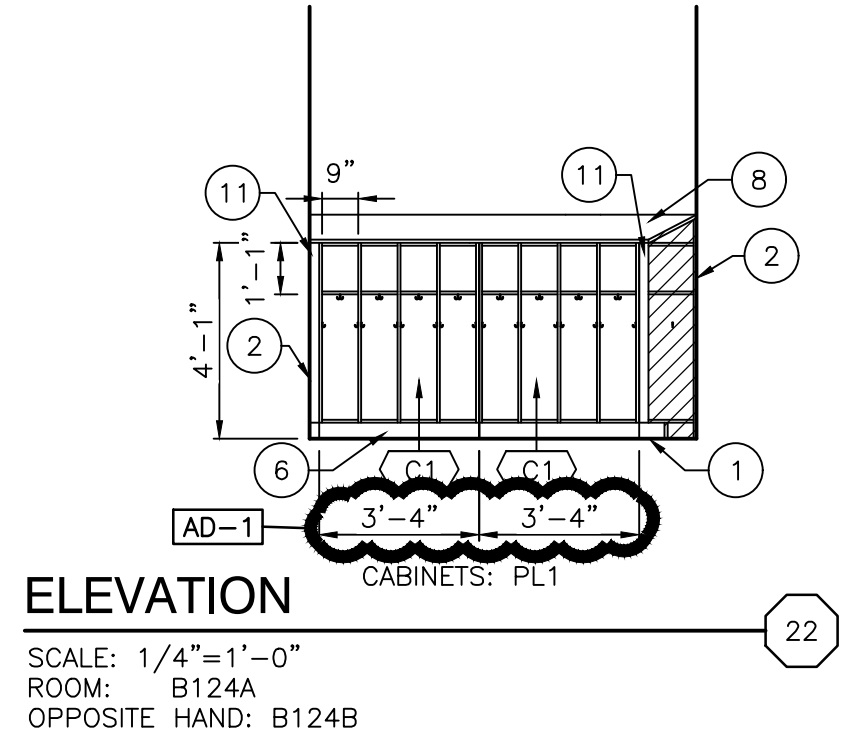
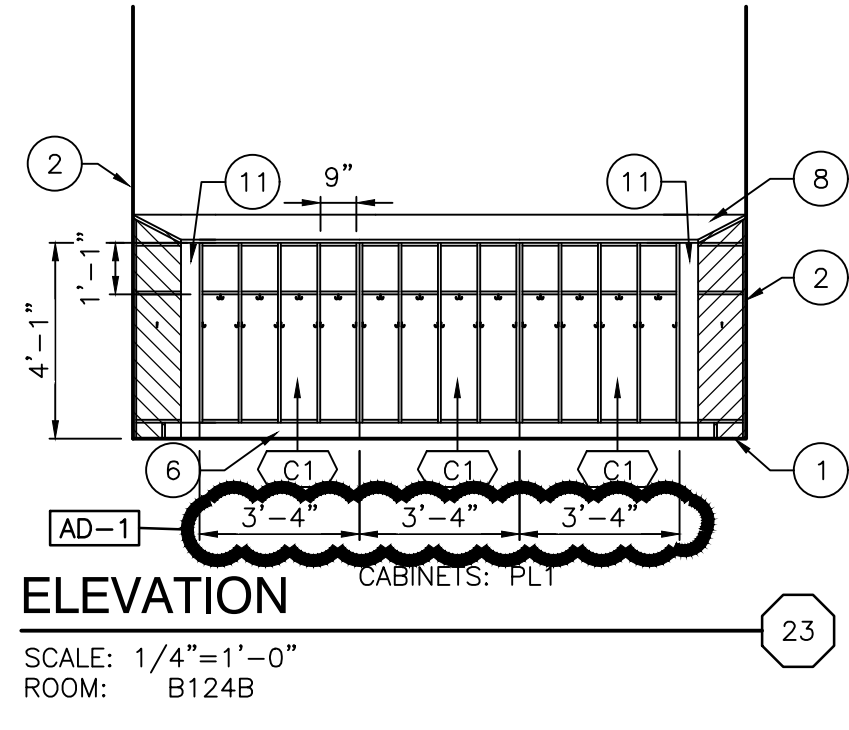
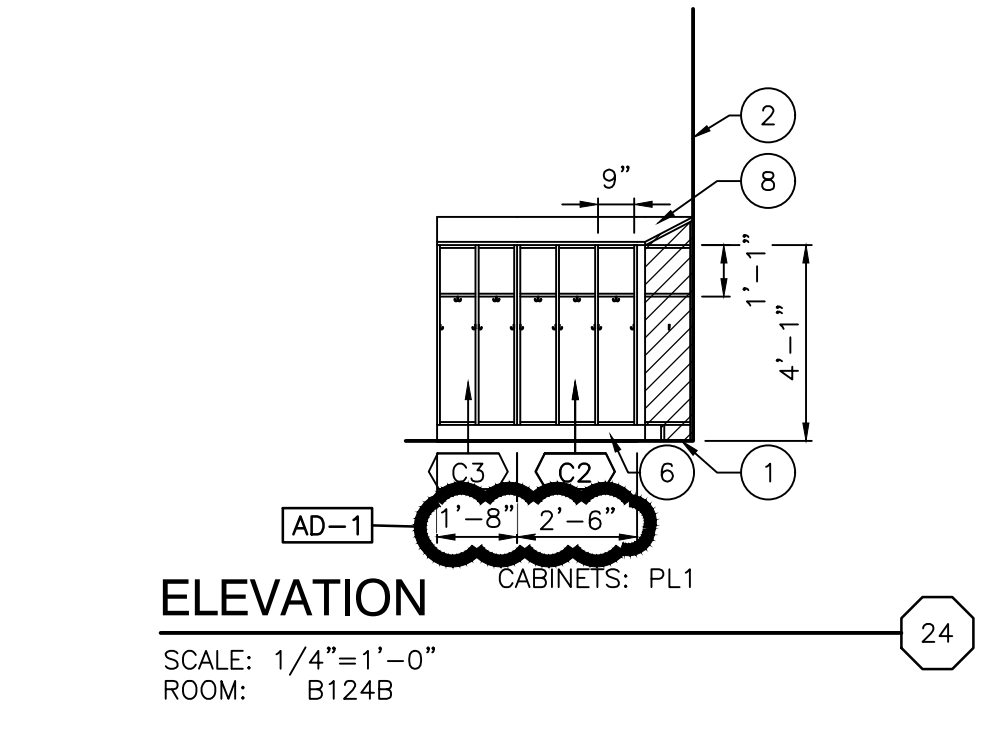
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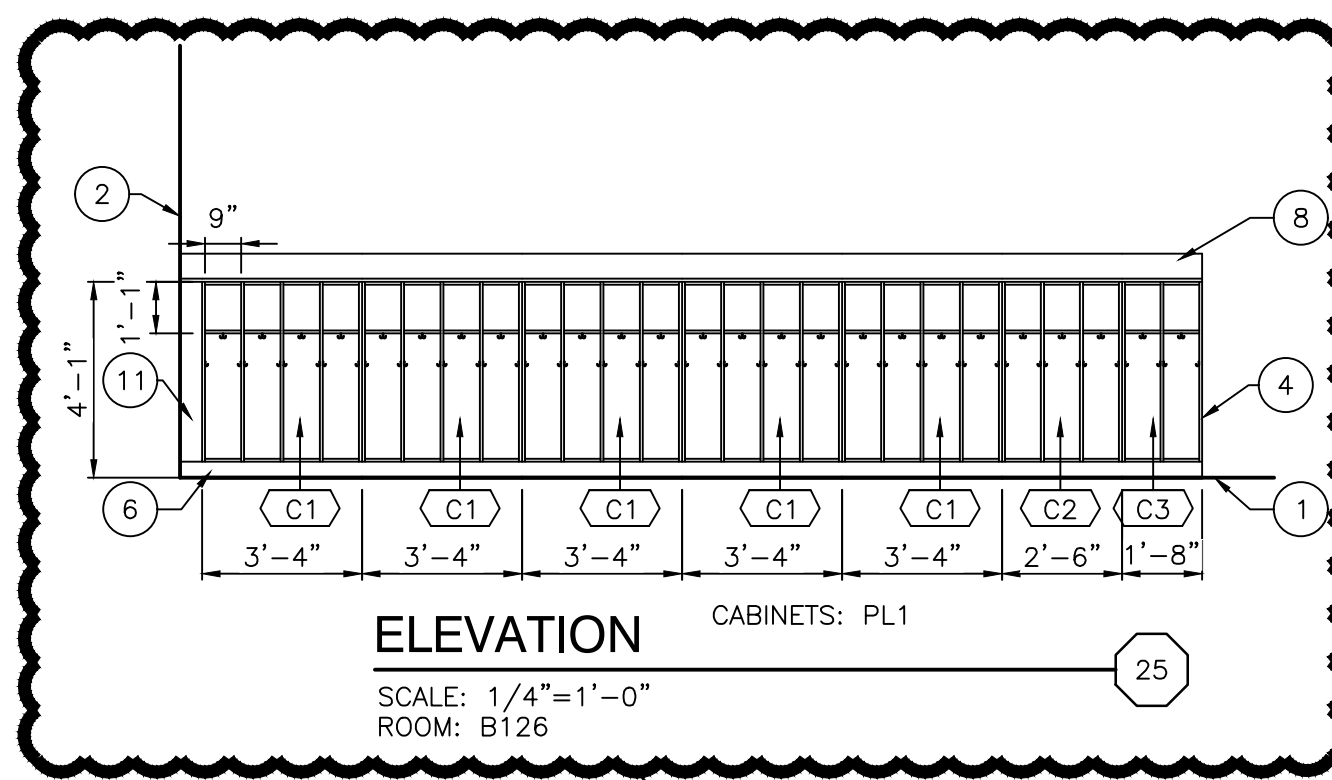
ENLARGED TOILET ROOM PLAN

SCALE: 1/4" = 1'-0"

Tuesday, 11/8/2022 - 12:33 PM - LAST SAVED BY: ABUSCHKOETTER
Y:\21-143 DUNELAND SC - JACKSON ES ADDITIONS AND
RENOVATIONS\21-143 DRAWINGS\05 ARCH\A-730.DWG




NOT USED



PLASTIC LAMINATE CASEWORK SCHEDULE			
MARK	CATALOG NUMBER	WIDTH	DESCRIPTION
B1	10432	36"	24"D X 29"H BASE, 2 DRAWERS, 2 DOORS, ADJUSTABLE SHELF
B2	10446	36"	24"D X 29"H BASE, 1 DRAWERS, 2 DOORS, ADJUSTABLE SHELF
B3	10129	36"	24"D X 29"H BASE, 2 DOORS, ADJUSTABLE SHELF
B4	10120	24"	24"D X 29"H BASE, 1 DOOR, RIGHT HINGED, ADJUSTABLE SHELF
B5	10121	18"	24"D X 29"H BASE, 1 DOOR, LEFT HINGED, ADJUSTABLE SHELF
B6	10432	36"	24"D X 32"H BASE, 2 DRAWERS, 2 DOORS, ADJUSTABLE SHELF
B7	10421	18"	24"D X 32"H BASE, 1 DRAWER, 1 R HINGE DOOR, ADJUST. SHELF
B8	10315	24"	24"D X 29"H BASE, 2 DRAWERS
B9	10121	24"	24"D X 29"H BASE, 1 DOOR, LEFT HINGED, ADJUSTABLE SHELF
B10	10120	18"	24"D X 29"H BASE, 1 DOOR, RIGHT HINGED, ADJUSTABLE SHELF
B11	10422	18"	24"D X 32"H BASE, 1 DRAWER, DOOR L HINGE, ADJUST. SHELF
B12	10403	48"	29"D X 29"H BASE, 5 EQUAL FULL EXTENSION DRAWERS
SB1	10479	36"	24"D X 29"H FALSE FRONT, DOORS, REMOVABLE BACK
SB2	10479	36"	24"D X 32"H FALSE FRONT, DOORS, REMOVABLE BACK
SB3	10577	36"	24"D X 29"H ADA SINK BASE, ACCESS PANEL
W1	16129	36"	14"D X 30"H WALL, 2 DOOR, ADJUSTABLE SHELVES
W2	16129	36"	14"D X 18"H WALL, 2 DOOR, ADJUSTABLE SHELVES
W3	16129	39"	14"D X 30"H WALL, 2 DOOR, ADJUSTABLE SHELVES
W4	16120	24"	14"D X 30"H WALL, DOOR, RIGHT HINGED, ADJUSTABLE SHELVES
W5	16121	18"	14"D X 30"H WALL, DOOR, LEFT HINGED, ADJUSTABLE SHELVES
W6	16120	18"	14"D X 30"H WALL, DOOR, RIGHT HINGED, ADJUSTABLE SHELVES
W7	16121	24"	14"D X 30"H WALL, DOOR, LEFT HINGED, ADJUSTABLE SHELVES
W8	16294	36"	14"D X 30"H WALL, 2 DOOR, LOCKABLE NARCOTICS LOCKER
T1	26609	36"	24"D X 84"H TALL WARDROBE, 2 DOORS, FILE UNIT, LOCKABLE
T2	26129	36"	24"D X 84"H TALL STORAGE, 2 DOORS, ADJUSTABLE SHELVES
T3	26121	24"	24"D X 84"H TALL STORAGE, DOOR LEFT HINGE, ADJUST. SHELVES
C1	62034	40"	14"D X 49"H LOCKERS
C2	62033	30"	14"D X 49"H LOCKERS
C3	62032	20"	14"D X 49"H LOCKERS
M1	22241	30"	24" D X 42" H OPEN MAIL SLOTS

GENERAL NOTES (APPLIES TO PLASTIC LAMINATE CASEWORK)			
A. REFER TO EQUIPMENT PLANS FOR CASEWORK LOCATIONS AND FINISH LEGEND IN "A-600" SERIES DRAWINGS FOR FINISH INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.			
B. FOR SCHEDULING PURPOSES ONLY, MODEL NUMBERS ARE TAKEN FROM STEVENS INDUSTRIES, INC (UNLESS NOTED OTHERWISE) AND ARE FOR CABINET REQUIREMENTS ONLY. SEE SPECIFICATIONS FOR CABINET CONSTRUCTION METHODS.			
C. VERIFY ALL PLAN AND CASEWORK DIMENSIONS WITH CASEWORK MANUFACTURER.			
D. ALL COUNTERTOPS TO BE PLASTIC LAMINATE WITH 4" HIGH PLASTIC LAMINATE BACKPLASH AND/OR ENDSPLASH AT ALL LOCATIONS WHERE COUNTERTOP MEETS ADJACENT SURFACE (UNLESS NOTED OTHERWISE).			
E. PROVIDE 3MM PVC EDGE ON ALL PLASTIC LAMINATED COUNTERTOPS AND 1MM BACKPLASHES.			
F. PROVIDE A 4" HIGH TOE SPACE ON ALL BASE AND FULL HEIGHT CABINETS.			
G. ALL EXPOSED CASEWORK SURFACES TO BE PLASTIC LAMINATE FINISHED, INCLUDING OPEN INTERIORS OF CABINETS (UNLESS NOTED OTHERWISE).			
H. ALL EXPOSED CASEWORK ENDS SHALL BE FINISHED TO MATCH CASEWORK FRONTS.			
I. PROVIDE CONTINUOUS PLASTIC LAMINATE SLOPED TOPS ON ALL WALL AND FULL HEIGHT CABINETS (UNLESS OTHERWISE NOTED).			
J. FILLER PANELS, TRIM, AND MOLDING PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE CASEWORK CONTINUOUS TO ADJACENT PARTITION, CEILING, AND/OR BULKHEAD. CASEWORK MANUFACTURER / INSTALLER SHALL PROVIDE ALL FILLERS AND SCRIBES AS REQUIRED FOR A COMPLETE AND FINISHED CASEWORK INSTALLATION.			
K. PROVIDE LOCKS ON WARDROBE UNITS ONLY UNLESS NOTED OTHERWISE, KEYED ALIKE BY ROOM.			
L. ALL ADJOINING CABINETS SHALL BE ALIGNED.			
M. WHERE CASEWORK REQUIRES SHIMMING, PROVIDE ONLY APPROVED METAL SHIMS.			
N. CABINETS LOCATED IN FRONT OF A PIPE CHASE SHALL HAVE REMOVABLE BACKS.			
O. PROVIDE JOINT SEALANT AT ALL JUNCTIONS OF CASEWORK / COUNTERTOPS WITH ADJACENT WALL OR CASEWORK.			
P. PROVIDE 4" HIGH VINYL COVE BASE AT ALL TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES. BY FLOORING INSTALLER.			
Q. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR DEVICE TYPES, HEIGHTS AND LOCATIONS.			
R. REFER TO PLUMBING DRAWINGS AND SCHEDULES FOR FIXTURE TYPES AND LOCATIONS. REFER TO PLUMBING DRAWINGS FOR PLUMBING CONNECTIONS.			
S. ALL CUTTING, DRILLING AND PATCHING OF CASEWORK AND COUNTERTOPS AS REQUIRED FOR INSTALLATION OF PIPING OR CONDUIT SHALL BE BY CASEWORK MANUFACTURER / INSTALLER.			
T. REFER TO "G" SERIES SHEETS FOR MOUNTING HEIGHTS OF EQUIPMENT AND ACCESSORIES.			

KEY NOTES (APPLIES TO PLASTIC LAMINATE CASEWORK)		
1 LINE OF FINISHED FLOOR	13 FILLER PANEL FINISHED TO MATCH FACE OF CABINETS.	
2 WALL LINE	9 25"D COUNTERTOP WITH 4" BACKSPLASH UNLESS NOTED OTHERWISE	
3 30"D COUNTERTOP WITH 4" BACKSPLASH UNLESS NOTED OTHERWISE	10 SINK, REFERENCE PLUMBING DRAWINGS	
4 FINISHED BACK/END PANEL		
5 PAPER TOWEL DISPENSER (OFCI)		
6 4" TOE SPACE WITH VINYL BASE BY FLOORING INSTALLER		
7 SOAP DISPENSER (OFCI)		
8 SLOPED TOP (CONTINUOUS)		



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PROJECT
**JACKSON
ELEMENTARY
SCHOOL -
RENOVATIONS**

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT
21-143
DATE
10/31/22
COORDINATED BY
MMM
DRAWN BY
CLN, AB
CHECKED BY
DJW

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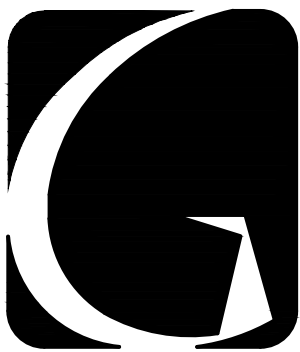
REVISIONS	MARK	DATE	ISSUED FOR
AD-1	11/09/22	ADDENDUM NO. 1	

DRAWING
**CASEWORK SCHEDULE AND
ELEVATIONS**

PROJECT
JACKSON ES - RENOVATIONS

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A-730





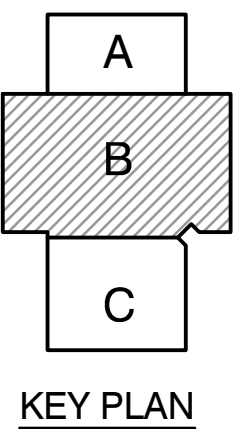
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JACKSON ELEMENTARY SCHOOL - RENOVATIONS

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA



GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

21-143

DATE

10/31/22

COORDINATED BY

MMM

DRAWN BY

CLN

CHECKED BY

NAS

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REVISIONS

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AD-1	11/09/22	ADDENDUM NO. 1

DRAWING

UNIT "B" FIRST FLOOR FINISH PLAN

PROJECT

JACKSON ES - RENOVATIONS

GIBRALTAR DESIGN

SHEET

B

A-802

FINISH PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS PLAN)

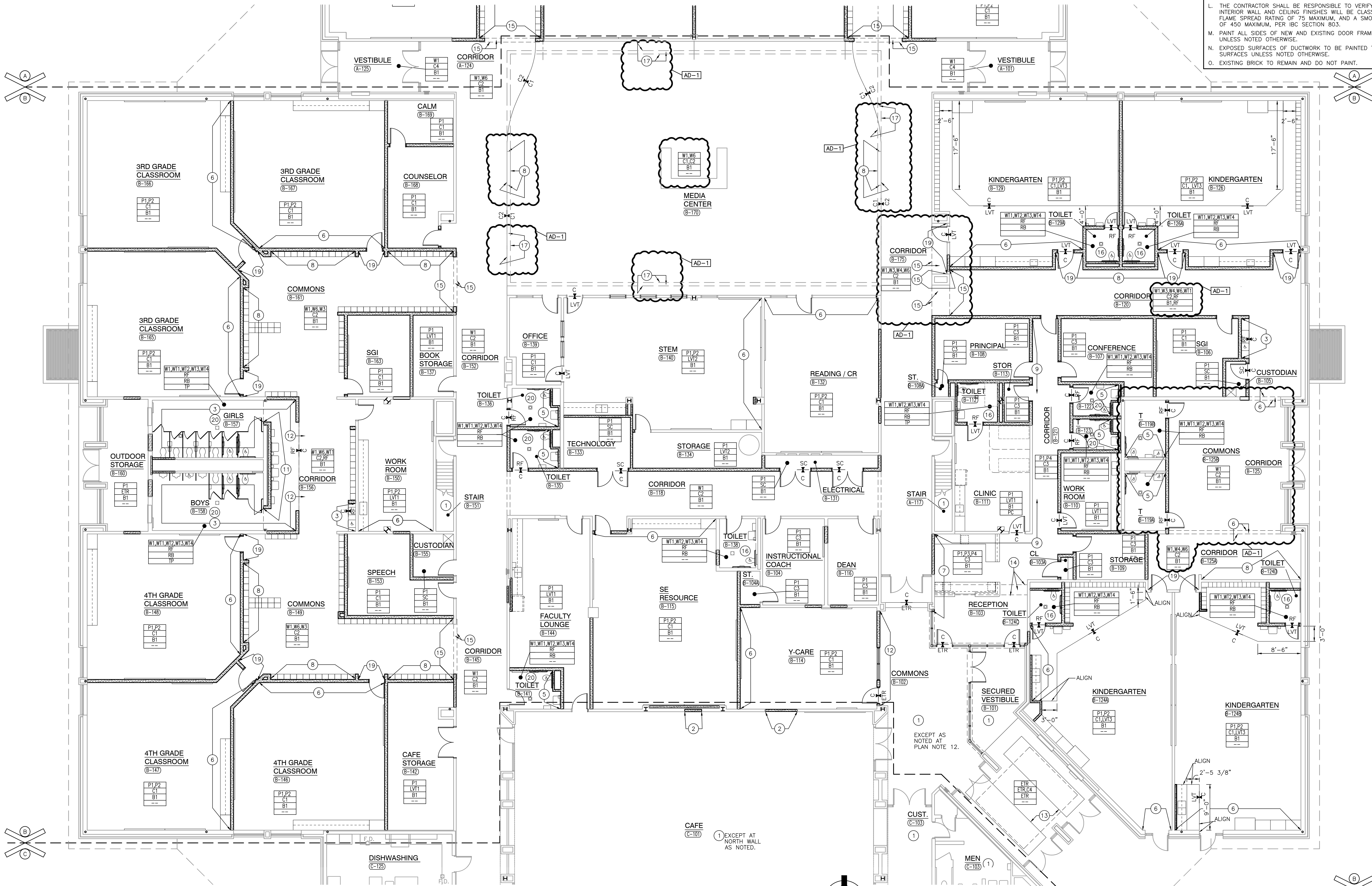
- NO NEW FINISHES THIS ROOM, EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
- MATCH EXISTING WALL FINISHES, WALL PAINT AND PROVIDE NEW BASE.
- WALL TILE, WT1, FULL HEIGHT OF WALL.
- WALL TILE - REFER TO INTERIOR ELEVATIONS AND FINISH LEGEND.
- WALL TILE, SEE WALL TILE PATTERN - A-860
- PAINT, P2.
- PAINT, P3
- WALLCOATING, W6
- PAINT, P4.
- PAINT, W6
- WALL TILE, SEE WALL TILE PATTERN - A-860
- PAINT, W1
- CARPET, C4
- PAINT, P6
- WALLCOATING, W3
- SEE WALL TILE PATTERN, ALL WALLS WITH PATTERN, A-860
- PAINT BULKHEAD, P9
- PAINT, SEE ELEVATION A-860
- WALLCOATING, W4
- SCHULTER TILE TRIM AT ALL OUTSIDE CORNERS

FINISH SYMBOL LEGEND:

- | | |
|-----|-------------------------|
| P1 | WALL FINISH |
| C1 | FLOOR FINISH |
| B1 | BASE FINISH |
| --- | MISC FINISH INFORMATION |
- ✚ FLOOR TRANSITION STRIP AS REQUIRED
- ↑ ↓ INDICATES DIRECTION OF MATERIAL GRAIN

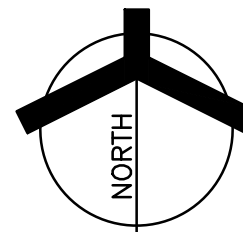
GENERAL FINISH PLAN NOTES:

- REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
- REFERENCE FLOOR PATTERN PLANS, EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
- PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSIDERED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
- ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.
- FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIAL INCLUDING NOTATION OF MATERIAL DIRECTION.
- ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.
- ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC., THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKID TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
- CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS, WHERE NONE ARE NOTED, CONTRACTOR SHALL VERIFY REQUIRED TYPE/COLOR WITH ARCHITECT.
- ALL FLOOR FINISH TRANSITIONS AT DOORS SHALL BE CENTERED UNDER DOOR UNLESS NOTED OTHERWISE.
- FOR FLOOR FINISH TRANSITION DETAILS REFER TO 6/A-501.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 603.
- PAINT ALL SIDES OF NEW AND EXISTING DOOR FRAMES TO MATCH EXISTING UNLESS NOTED OTHERWISE.
- EXPOSED SURFACES OF DUCTWORK TO BE PAINTED TO MATCH ADJACENT SURFACES UNLESS NOTED OTHERWISE.
- EXISTING BRICK TO REMAIN AND DO NOT PAINT.



UNIT "B" FIRST FLOOR FINISH PLAN

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



Wednesday, 11/9/2022 - 9:49 AM - LAST SAVED BY: CONELSON
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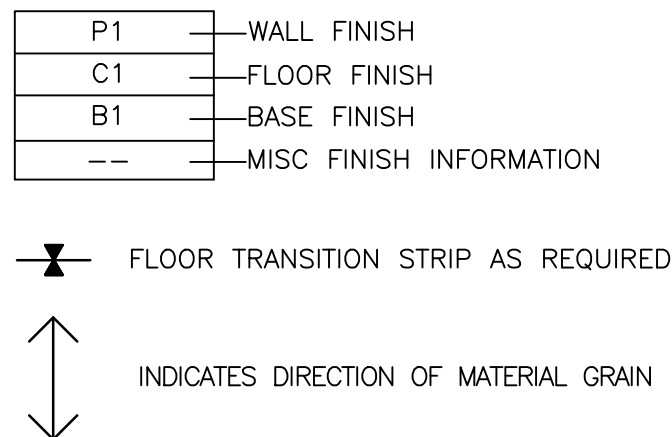
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FINISH PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS PLAN)

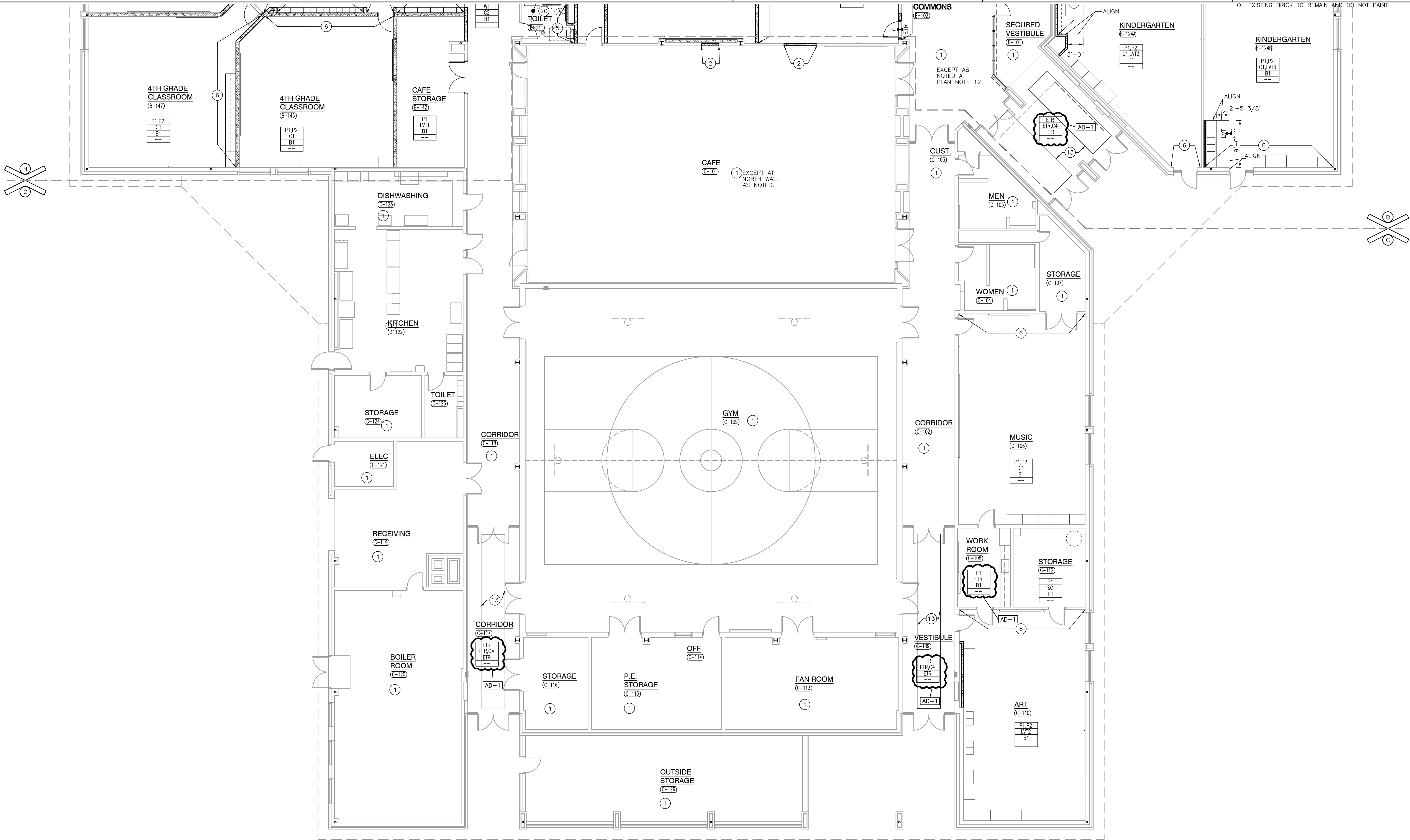
- 1 NO NEW FINISHES THIS ROOM, EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
- 2 MATCH EXISTING WALL FINISHES, WALL PAINT AND PROVIDE NEW BASE.
- 3 WALL TILE, WT1, FULL HEIGHT OF WALL.
- 4 WALL TILE - REFER TO INTERIOR ELEVATIONS AND FINISH LEGEND.
- 5 WALL TILE, SEE WALL TILE PATTERN - A-860
- 6 PAINT, P2.
- 7 PAINT, P3
- 8 WALLCOATING, W6
- 9 PAINT, P4.
- 10 PAINT, W6
- 11 WALL TILE, SEE WALL TILE PATTERN - A-860
- 12 PAINT, W1
- 13 CARPET, C4
- 14 PAINT, P6
- 15 WALLCOATING, W3
- 16 SEE WALL TILE PATTERN, ALL WALLS WITH PATTERN, A-860
- 17 PAINT BULKHEAD, P9
- 18 PAINT, SEE ELEVATION A-860
- 19 WALLCOATING, W4
- 20 SCHULTER TILE TRIM AT ALL OUTSIDE CORNERS

FINISH SYMBOL LEGEND:



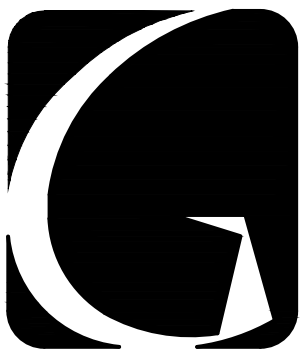
GENERAL FINISH PLAN NOTES:

- A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
- B. REFERENCE FLOOR PATTERN PLANS, EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
- C. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND /OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURE'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
- E. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.
- F. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIAL INCLUDING NOTATION OF MATERIAL DIRECTION.
- G. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.
- H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC, THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKID TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
- I. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS, WHERE NONE ARE NOTED, CONTRACTOR SHALL VERIFY REQUIRED TYPE/COLOR WITH ARCHITECT.
- J. ALL FLOOR FINISH TRANSITIONS AT DOORS SHALL BE CENTERED UNDER DOOR UNLESS NOTED OTHERWISE.
- K. FOR FLOOR FINISH TRANSITION DETAILS REFER TO 6/A-501.
- L. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 603.
- M. PAINT ALL SIDES OF NEW AND EXISTING DOOR FRAMES TO MATCH EXISTING UNLESS NOTED OTHERWISE.
- N. EXPOSED SURFACES OF DUCTWORK TO BE PAINTED TO MATCH ADJACENT SURFACES UNLESS NOTED OTHERWISE.
- O. EXISTING BRICK TO REMAIN AND DO NOT PAINT.



UNIT "C" FIRST FLOOR FINISH PLAN

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



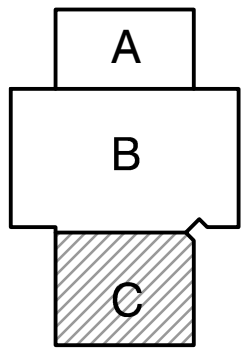
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ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

JACKSON
ELEMENTARY
SCHOOL -
RENOVATIONS

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA



KEY PLAN

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

21-143

DATE

10/31/22

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MMM

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DRAWING

UNIT "C" FIRST FLOOR FINISH
PLAN

PROJECT

JACKSON ES - RENOVATIONS

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SHEET

C

A-803

Tuesday, 11/8/2022 - 3:41 PM - LAST SAVED BY:CHELSON
Y:\21-143 DUNELAND SC - JACKSON ES ADDITIONS AND
RENOVATIONS\21-143 DRAWINGS\05 ARCH\A-820.DWG

AD-1

FINISH LEGEND							
SURFACE	MARK	DESCRIPTION	MANUFACTURER	PATTERN/FINISH	NUMBER/COLOR	SIZE	COMMENTS
WALL BASE	B1	VINYL	TARKETT	---	BURGUNDY 85	4" COVE	
	B2	VINYL	TARKETT	---	---	4" COVE	MATCH EXISTING
	RB	RESINOUS EPOXY	SHERWIN WILLIAMS	RESUFLOL DECO QUARTZ	MORNING FOG BC23	5" COVE	---
FLOOR MATERIALS							
C1	C1a	CARPET TILE	TARKETT	CRAYON 01957	FIREFLIES 48006	24" X 24"	INSTALL: MONOLITHIC
	C1b	CARPET TILE	MANNINGTON	ALL STAR - GAMETIME III	ROBINSON (ROBI)	24" X 24"	INSTALL: MONOLITHIC
C2	C2a	CARPET TILE	TARKETT	AFTERMATH II 03026	FIREWORKS 23514	24" X 24"	INSTALL: VERTICAL ASHLAR
	C2b	CARPET TILE	MANNINGTON	ALL STAR - HALFTIME	ROBINSON (ROBI)	24" X 24"	INSTALL: MONOLITHIC
C3	C3a	CARPET TILE	TARKETT	APPLAUSE III 02803	FOOTHILL 28521	24" X 24"	INSTALL: MONOLITHIC
	C3b	CARPET TILE	MANNINGTON	GOOGIE - PHENOMENIA	HELMETSON 13634	24" X 24"	INSTALL: VERTICAL ASHLAR
C4	C4a	WALK OFF CARPET TILE	TARKETT	ASSERTIVE ACTION 04837	CHROMIUM 26201	24" X 24"	INSTALL: QUARTER TURN
	C4b	WALK OFF CARPET TILE	MANNINGTON	FORCE	KINETIC 11360	18" X 36"	INSTALL: HORIZONTAL BRICK ASHLAR
LVT1	LVT1a	LUXURY VINYL TILE	TARKETT	CONTOUR	COLOR POP SAND DOLLAR PCOP C147	18" X 18"	INSTALL: VERTICAL ASHLAR
	LVT1b	LUXURY VINYL TILE	MANNINGTON	ACTIVE LINES - GRID	ZING CHAROAL 207	18" X 18"	NON-BEVELED EDGE, INSTALL: BLOCKED
LVT2	LVT2a	LUXURY VINYL TILE	TARKETT	CONTOUR	COLOR POP SEA SALT PCOP C145	18" X 18"	INSTALL: VERTICAL ASHLAR
	LVT2b	LUXURY VINYL TILE	MANNINGTON	ACTIVE LINES - CRISSCROSS	FLASH 101	18" X 18"	NON-BEVELED EDGE, INSTALL: BLOCKED
LVT3	LVT3a	LUXURY VINYL TILE	TARKETT	CONTOUR	COLOR POP MALT PCOP C146	18" X 18"	INSTALL: VERTICAL ASHLAR
	LVT3b	LUXURY VINYL TILE	MANNINGTON	ACTIVE LINES - GRID	ZING 201	18" X 18"	NON-BEVELED EDGE, INSTALL: BLOCKED
RF		RESINOUS EPOXY	SHERWIN WILLIAMS	RESUFLOL DECO QUARTZ	MORNING FOG BC23	---	
SC		SEALED CONCRETE	---	---	---	---	
WALL MATERIALS							
P1	PAIN	SHERWIN WILLIAMS	---	REPOSE GRAY SW 7015	---		
P2	PAIN	SHERWIN WILLIAMS	---	ACIER SW 9170	---		
P3	PAIN	SHERWIN WILLIAMS	---	GAUNTLET GRAY SW 7019	---		
P4	PAIN	SHERWIN WILLIAMS	---	TAUPE TONE SW 7633	---		
P5	PAIN	SHERWIN WILLIAMS	---	CUSTOM TO MATCH EXISTING	---		
P6	PAIN	SHERWIN WILLIAMS	---	CUSTOM COLOR	---		* SEE NOTE 1
P7	PAIN	SHERWIN WILLIAMS	---	HIGH REFLECTIVE WHITE SW 7757	---		
P8	PAIN	SHERWIN WILLIAMS	---	URBANE BRONZE SW 7048	---		
P9	PAIN	SHERWIN WILLIAMS	---	CUSTOM COLOR	---		* SEE NOTE 2
W1	WALLCOATING	SHERWIN WILLIAMS	---	REPOSE GRAY SW 7015	---		
W2	NOT USED						
W3	WALLCOATING	SHERWIN WILLIAMS	---	GAUNTLET GRAY SW7019	---		
W4	WALLCOATING	SHERWIN WILLIAMS	---	TAUPE TONE SW 7633	---		
W5	NOT USED						
W6	WALLCOATING	SHERWIN WILLIAMS	---	CUSTOM COLOR	---		* SEE NOTE 1
W7	WALLCOATING	SHERWIN WILLIAMS	---	HIGH REFLECTIVE WHITE SW 7757	---		
WT1	CERAMIC WALL TILE	AMERICAN OLEAN	COLOR STORY	CALM 0035	6" X 6"		
WT2	CERAMIC WALL TILE	AMERICAN OLEAN	COLOR STORY	STABLE 0055	3" X 6"		
WT3	CERAMIC WALL TILE	AMERICAN OLEAN	COLOR STORY	STORM GRAY 0040	3" X 6"		
WT4	CERAMIC WALL TILE	AMERICAN OLEAN	COLOR STORY	PASSION 0019	3" X 6"		
CASEWORK AND MILLWORK							
PL1	PLASTIC LAMINATE	PIONITE	---	APPEARS LTKATRE WP115	---		
PL2	PLASTIC LAMINATE	NEVAMAR	---	BLUE LUNARIA LU3001T	---		
PL3	PLASTIC LAMINATE	WILSONART	---	5TH AVEELM 7966K-12	---		
PL4	PLASTIC LAMINATE	NEVAMAR	---	VOUS TEMPEST VS6002-T	---		
PL5	PLASTIC LAMINATE	NEVAMAR	---	WINTER GRAY MATRIX MR6005T	---		
SS1	SOLID SURFACE	WILSONART	---	TUMBLD STONE 9220CE	---		
SS2	SOLID SURFACE	WILSONART	---	WHITE STONE 9208CS	---		
SS3	SOLID SURFACE	WILSONART	---	BEIGE TRAVERTINE 9236SS	---		
MISCELLANEOUS							
RS1	WINDOW ROLLER SHADE	MECHO	---	---	---		---
CG1	CORNER GUARD	---	---	---	---		---
L1	LOCKERS	LYON	---	TAUPE GY835-3N	---		---
TP1	TOILET PARTITION	HINDY HIDERS	ORANGE PEEL TEXTURE	SHALE	---		---
PC	PRIVACY CURTAIN	MAHARAM	PROGRESSION 3 511517	EARTHEN 006	---		---
TRIM1	METAL TRIM	SCHLUTER	---	---	---		---
	WOOD DOOR	---	---	MATCH EXISTING	---		---

ETR = EXISTING TO REMAIN

- NOTE 1 SHERWIN WILLIAMS 062018 DUNELAND'S MAROON - CUSTOM MANUAL MATCH
INTERIOR SUPER PAINT SEMI GLOSS LATEX 1FC 8012NP

CC#COLORANT	OZ	32	64	128
W1-WHITE	-	10	1	1
L1-BLUE	-	58	1	-
R2-MAROON	-	38	1	1
R3-MAGENTA	6	20	-	-
- NOTE 2 SHERWIN WILLIAMS 703287 DUNELAND'S GOLD - CUSTOM MANUAL MATCH
INTERIOR SUPER PAINT EG-SHIEL ACRYLIC LATEX 1FC 8012NP

CC#COLORANT	OZ	32	64	128
W1-WHITE	2	22	-	1
R4-NEW RED	-	14	1	1
Y1-YELLOW	8	27	-	1
- NOTE 3 IT IS INTENDED THAT FLOORING (CARPET AND LVT) WITH MULTIPLE
MANUFACTURE OPTIONS, SHOULD BE BID AS "A" OR "B" PACKAGE ONLY.



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GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
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PROJECT

21-143

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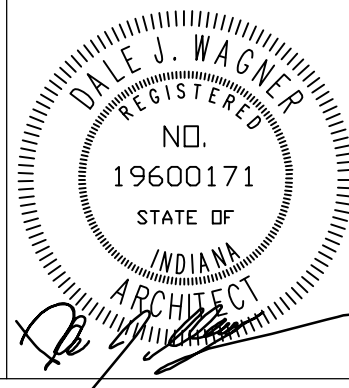
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FINISH LEGEND

PROJECT

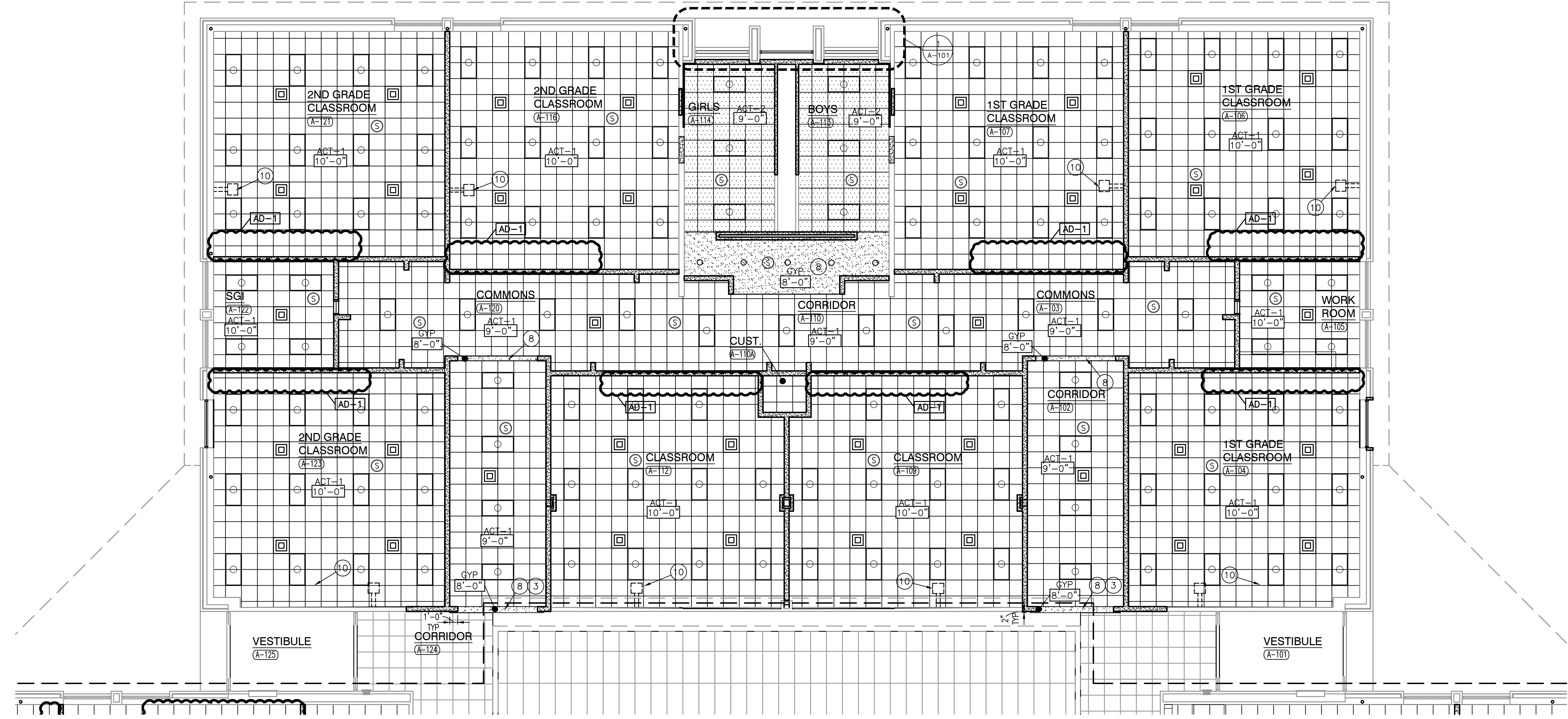
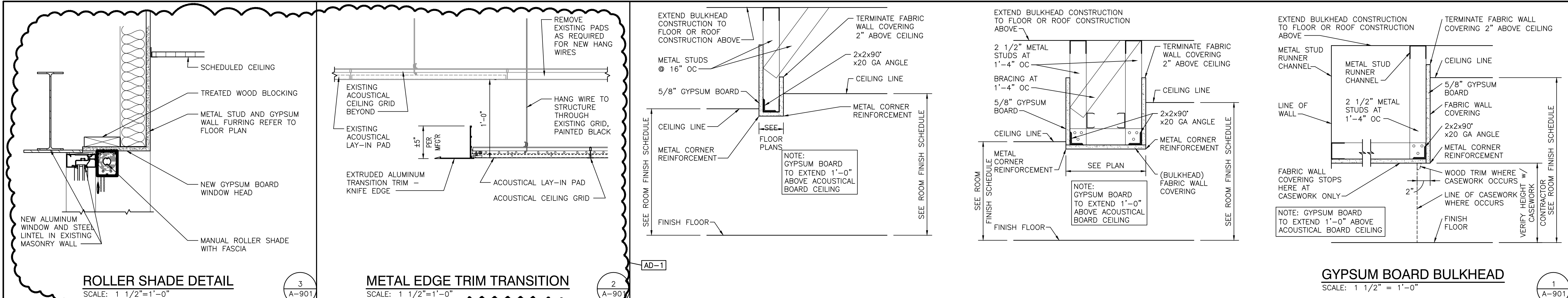
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A-820

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RENOVATIONS\21-143 DRAWINGS\05 ARCH\A-901.DWG



GENERAL REFLECTED CEILING PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS, LEGEND, SYMBOL, LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORT FRAMING AND NOT THE ROOF DECK.
- D. REFER TO FLOOR PLANS FOR WALL TYPES.
- E. CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHERE NOT INDICATED ON THE DRAWINGS. VERIFY LOCATION WITH ARCHITECT PRIOR TO INSTALLING PANEL. PAINT PANEL TO MATCH ADJACENT BULKHEAD.
- F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.
- G. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
- H. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.
- I. WHERE APPLICABLE COORDINATE SPRINKLER HEAD LOCATIONS WITH FIRE PROTECTION INSTALLER AND FIRE PROTECTION DRAWINGS TO BE SUBMITTED AT A LATTER DATE. FIRE PROTECTION DRAWINGS WILL INDICATE SPRINKLER HEAD TYPES AND QUANTITIES.

REFLECTED CEILING PLAN LEGEND:

(ALL SYMBOLS MAY NOT BE INDICATED ON THIS SHEET.)

- GYPSUM CEILING OR BULKHEAD, REFER TO TYPICAL BULKHEAD DETAILS (1/A-901) AND WALL SECTIONS
- EIFS SOFFIT (EXTERIOR) ON 5/8" GYPSUM SHEATHING AND METAL FRAMING/SUSPENSION SYSTEM, REFER TO WALL SECTIONS FOR INSULATION THICKNESS
- ACT 1 2'-0" x 2'-0" ACOUSTICAL BOARD CEILING SEE PLANS AND FINISH LEGEND FOR TYPE
- ACT 2 VINYL FACED CEILING SEE PLANS AND FINISH LEGEND FOR TYPE
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- 1 METAL EDGE TRIM.
- 2 PAINT EXISTING CEILING GRID TO REMAIN AND INSTALL NEW CEILING PADS.
- 3 MODIFY EXISTING GRID AND ACOUSTICAL CEILING PADS AS REQUIRED FOR INSTALLATION OF NEW BULKHEAD.
- 4 REMOVE, STORE, AND REINSTALL EXISTING CEILING GRID AND ACOUSTICAL CEILING PANELS AS REQUIRED FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORK. REPLACE ANY GRID AND PANELS DAMAGED IN THE PROCESS WITH MATCHING GRID AND PANELS. DOCUMENT EXISTING DAMAGE AND REVIEW WITH ARCHITECT PRIOR TO START OF WORK.
- 5 TIE-IN AND EXTEND TO EXISTING CEILING GRID.
- 6 LED LIGHTING TO REMAIN.
- 7 NOT USED.
- 8 NEW GYPSUM BOARD BULKHEAD.
- 9 EXISTING CEILING SYSTEM TO REMAIN, UNLESS NOTED OTHERWISE FOR MECHANICAL ELECTRICAL PLUMBING AND FIRE PROTECTION.
- 10 PROJECTION SCREEN, REFER TO EQUIPMENT PLANS AND ELECTRICAL/TECHNOLOGY DRAWINGS. COORDINATE FINAL LOCATION WITH OWNER.

GENERAL REFLECTED CEILING PLAN

FINISH NOTES:

- (ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)
- A. UNLESS NOTED OTHERWISE, GYPSUM BOARD BULKHEADS ARE TO BE PAINTED PX.
- B. UNLESS NOTED OTHERWISE, ALL EXPOSED STEEL STRUCTURE, METAL DECK, MECHANICAL AND ELECTRICAL ITEMS TO BE PAINTED PX.

REFLECTED CEILING PLAN FINISH NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- 1 PAINT EXPOSED STRUCTURE AND DECK PX.
- 2 PAINT BULKHEAD PX ON ALL EXPOSED SIDES.
- 3 BULKHEAD TO RECEIVE SAME PAINT AS ADJACENT WALLS, REFER TO FINISH PLANS AND INTERIOR ELEVATIONS.
- 4 BULKHEAD TO RECEIVE SAME WALL COVERING AS ADJACENT WALLS, REFER TO FINISH PLANS AND INTERIOR ELEVATIONS.

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PROJECT
JACKSON ELEMENTARY SCHOOL - RENOVATIONS

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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DJW

KEY PLAN

REGISTERED
NO. 19600171
STATE OF INDIANA
DIE J. WAGNER
ARCHITECT

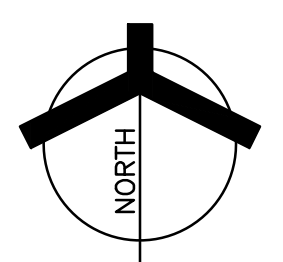
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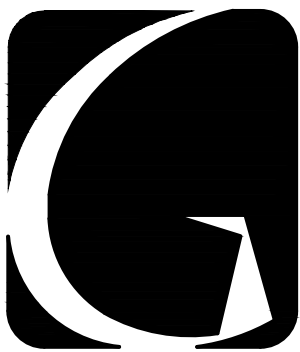
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DRAWING
UNIT "A" FIRST FLOOR REFLECTED CEILING PLAN

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JACKSON ES - RENOVATIONS

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A A-901





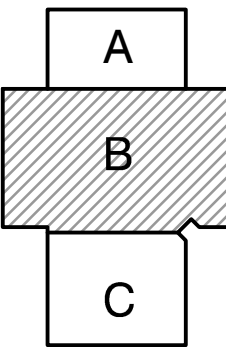
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DRAWING

**UNIT "B" FIRST FLOOR
REFLECTED CEILING PLAN**

PROJECT

JACKSON ES - RENOVATIONS

DRAWING

UNIT "B"

REFLECTED CEILING PLAN

SHEET

B

A-902

**GENERAL REFLECTED CEILING PLAN
FINISH NOTES:**

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- A. UNLESS NOTED OTHERWISE, GYPSUM BOARD BULKHEADS ARE TO BE PAINTED PX.
B. UNLESS NOTED OTHERWISE, ALL EXPOSED STEEL STRUCTURE, METAL DECK, MECHANICAL AND ELECTRICAL ITEMS TO BE PAINTED PX.

REFLECTED CEILING PLAN FINISH NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. PAINT EXPOSED STRUCTURE AND DECK PX.
2. PAINT BULKHEAD PX ON ALL EXPOSED SIDES.
3. BULKHEAD TO RECEIVE SAME PAINT AS ADJACENT WALLS, REFER TO FINISH PLANS AND INTERIOR ELEVATIONS.
4. BULKHEAD TO RECEIVE SAME WALL COVERING AS ADJACENT WALLS, REFER TO FINISH PLANS AND INTERIOR ELEVATIONS.

REFLECTED CEILING PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. METAL EDGE TRIM.
2. PAINT EXISTING CEILING GRID TO REMAIN AND INSTALL NEW CEILING PADS.
3. MODIFY EXISTING GRID AND ACOUSTICAL CEILING PADS AS REQUIRED FOR INSTALLATION OF NEW BULKHEAD.
4. REMOVE, STORE, AND REINSTALL EXISTING CEILING GRID AND ACOUSTICAL CEILING PANELS AS REQUIRED FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORK. REPLACE ANY GRID AND PANELS DAMAGED IN THE PROCESS WITH MATCHING GRID AND PANELS. DOCUMENT EXISTING DAMAGE AND REVIEW WITH ARCHITECT PRIOR TO START OF WORK.
5. TIE-IN AND EXTEND TO EXISTING CEILING GRID.
6. LED LIGHTING TO REMAIN.
7. NOT USED.
8. NEW GYPSUM BOARD BULKHEAD.
9. EXISTING CEILING SYSTEM TO REMAIN, UNLESS NOTED OTHERWISE FOR MECHANICAL ELECTRICAL PLUMBING AND FIRE PROTECTION.
10. PROJECTION SCREEN, REFER TO EQUIPMENT PLANS AND ELECTRICAL/TECHNOLOGY DRAWINGS. COORDINATE FINAL LOCATION WITH OWNER.

REFLECTED CEILING PLAN LEGEND:

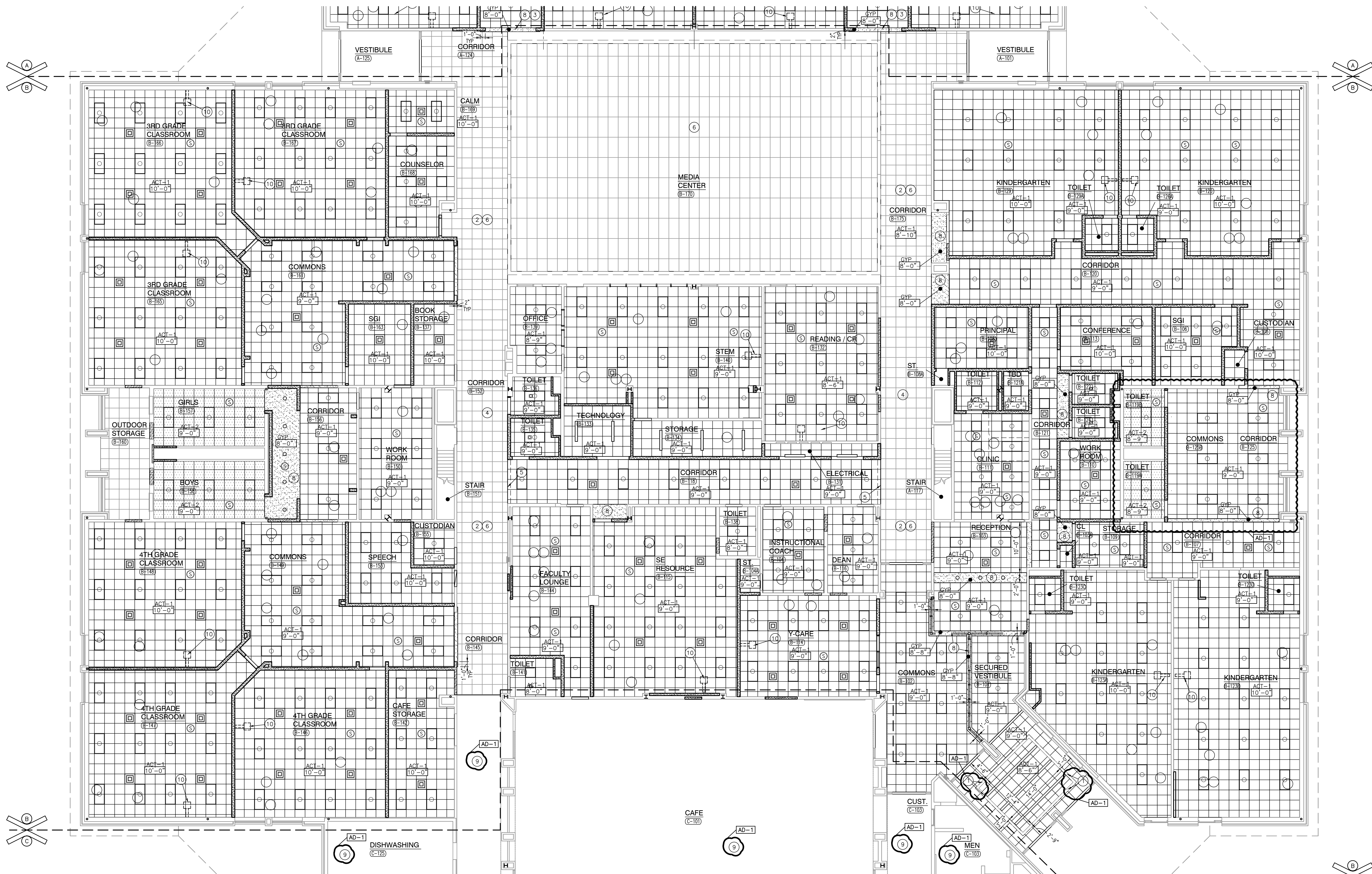
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ACT 1 2'-0" x 2'-0" ACOUSTICAL BOARD CEILING SEE PLANS AND FINISH LEGEND FOR TYPE
ACT 2 VINYL FACED CEILING 2'-0" x 2'-0" ACOUSTICAL BOARD SEE PLANS AND FINISH LEGEND FOR TYPE
EXIT LIGHT
1x4 LIGHT FIXTURE
2x4 LIGHT FIXTURE
PENDANT LIGHT FIXTURE
PENDANT LIGHT FIXTURE
LINEAR LIGHT FIXTURE
WALL SCONCE LIGHT FIXTURE
SUPPLY AIR DIFFUSER
LINEAR SUPPLY AIR DIFFUSER
RETURN, EXHAUST, AND TRANSFER AIR GRILLE
CEILING SPEAKER
OCCUPANCY SENSOR

GENERAL REFLECTED CEILING PLAN NOTES:

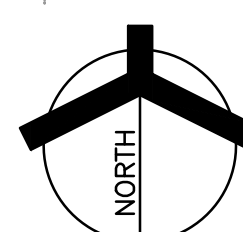
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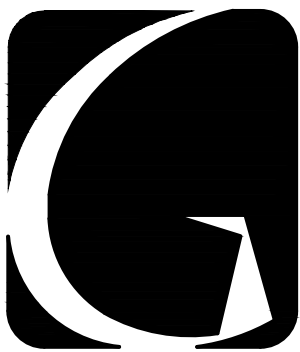
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F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.
G. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
H. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.
I. WHERE APPLICABLE COORDINATE SPRINKLER HEAD LOCATIONS WITH FIRE PROTECTION INSTALLER AND FIRE PROTECTION DRAWINGS TO BE SUBMITTED AT A LATER DATE. FIRE PROTECTION DRAWINGS WILL INDICATE SPRINKLER HEAD TYPES AND QUANTITIES.



UNIT "B" REFLECTED CEILING PLAN

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



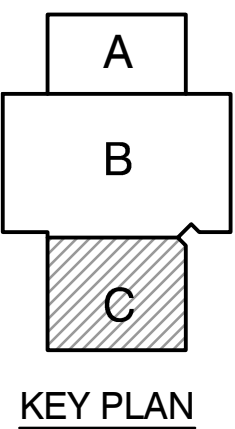


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PROJECT

**JACKSON
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SCHOOL -
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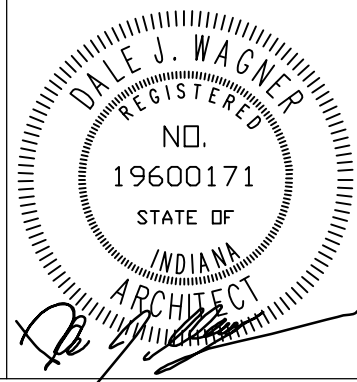
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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	11/09/22	ADDENDUM NO. 1

DRAWING
**UNIT "C" FIRST FLOOR
REFLECTED CEILING PLAN**

PROJECT
JACKSON ES - RENOVATIONS

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SHEET

C

A-903

**GENERAL REFLECTED CEILING PLAN
FINISH NOTES:**

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- A. UNLESS NOTED OTHERWISE, GYPSUM BOARD BULKHEADS ARE TO BE PAINTED PX.
B. UNLESS NOTED OTHERWISE, ALL EXPOSED STEEL STRUCTURE, METAL DECK, MECHANICAL AND ELECTRICAL ITEMS TO BE PAINTED PX.

REFLECTED CEILING PLAN FINISH NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- 1 PAINT EXPOSED STRUCTURE AND DECK PX.
- 2 PAINT BULKHEAD PX ON ALL EXPOSED SIDES.
- 3 BULKHEAD TO RECEIVE SAME PAINT AS ADJACENT WALLS, REFER TO FINISH PLANS AND INTERIOR ELEVATIONS.
- 4 BULKHEAD TO RECEIVE SAME WALL COVERING AS ADJACENT WALLS, REFER TO FINISH PLANS AND INTERIOR ELEVATIONS.

REFLECTED CEILING PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- 1 METAL EDGE TRIM.
- 2 PAINT EXISTING CEILING GRID TO REMAIN AND INSTALL NEW CEILING PADS.
- 3 MODIFY EXISTING GRID AND ACOUSTICAL CEILING PADS AS REQUIRED FOR INSTALLATION OF NEW BULKHEAD.
- 4 REMOVE, STORE, AND REINSTALL EXISTING CEILING GRID AND ACOUSTICAL CEILING PANELS AS REQUIRED FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORK. REPLACE ANY GRID AND PANELS DAMAGED IN THE PROCESS WITH MATCHING GRID AND PANELS. DOCUMENT EXISTING DAMAGE AND REVIEW WITH ARCHITECT PRIOR TO START OF WORK.
- 5 TIE-IN AND EXTEND TO EXISTING CEILING GRID.
- 6 LED LIGHTING TO REMAIN.
- 7 NOT USED.
- 8 NEW GYPSUM BOARD BULKHEAD.
- 9 EXISTING CEILING SYSTEM TO REMAIN, UNLESS NOTED OTHERWISE FOR MECHANICAL ELECTRICAL PLUMBING AND FIRE PROTECTION.
- 10 PROJECTION SCREEN, REFER TO EQUIPMENT PLANS AND ELECTRICAL/TECHNOLOGY DRAWINGS. COORDINATE FINAL LOCATION WITH OWNER.

REFLECTED CEILING PLAN LEGEND:

(ALL SYMBOLS MAY NOT BE INDICATED ON THIS SHEET.)

- GYPSUM CEILING OR BULKHEAD, REFER TO TYPICAL BULKHEAD DETAILS (1/A-901) AND WALL SECTIONS
- EIFS SOFFIT (EXTERIOR) ON 5/8" GYPSUM BOARD CEILING. SEE PLANS AND FINISH LEGEND FOR TYPE
- ACT 1 2'-0" x 2'-0" ACOUSTICAL BOARD CEILING. SEE PLANS AND FINISH LEGEND FOR TYPE
- ACT 2 VINYL FACED CEILING 2'-0" x 2'-0" ACOUSTICAL BOARD CEILING. SEE PLANS AND FINISH LEGEND FOR TYPE
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

GENERAL REFLECTED CEILING PLAN NOTES:

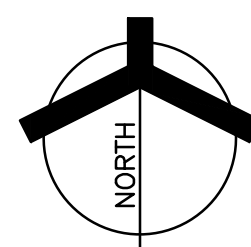
(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS, LEGEND, SYMBOL, LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORT FRAMING AND NOT THE ROOF DECK.
- D. REFER TO FLOOR PLANS FOR WALL TYPES.
- E. CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHERE NOT INDICATED ON THE DRAWINGS. VERIFY LOCATION WITH ARCHITECT PRIOR TO INSTALLING PANEL. PAINT PANEL TO MATCH ADJACENT BULKHEAD.
- F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.
- G. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
- H. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.
- I. WHERE APPLICABLE COORDINATE SPRINKLER HEAD LOCATIONS WITH FIRE PROTECTION INSTALLER AND FIRE PROTECTION DRAWINGS TO BE SUBMITTED AT A LATTER DATE. FIRE PROTECTION DRAWINGS WILL INDICATE SPRINKLER HEAD TYPES AND QUANTITIES.



UNIT "C" REFLECTED CEILING PLAN

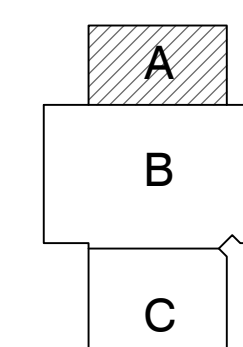
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PROJECT

JACKSON
ELEMENTARY
SCHOOL -
RENOVATIONS


DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA

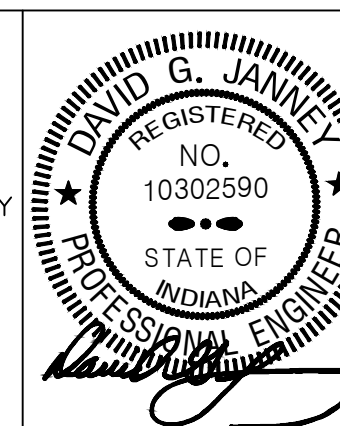


KEY PLAN

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-143 DATE 10/31/22 COORDINATED BY JC DRAWN BY KS CHECKED BY D.J	
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DRAWING
UNIT "A" MECHANICAL
FIRST FLOOR DEMOLITION
PLAN

PROJECT
JACKSON ES -
ADDITIONS & RENOVATIONS

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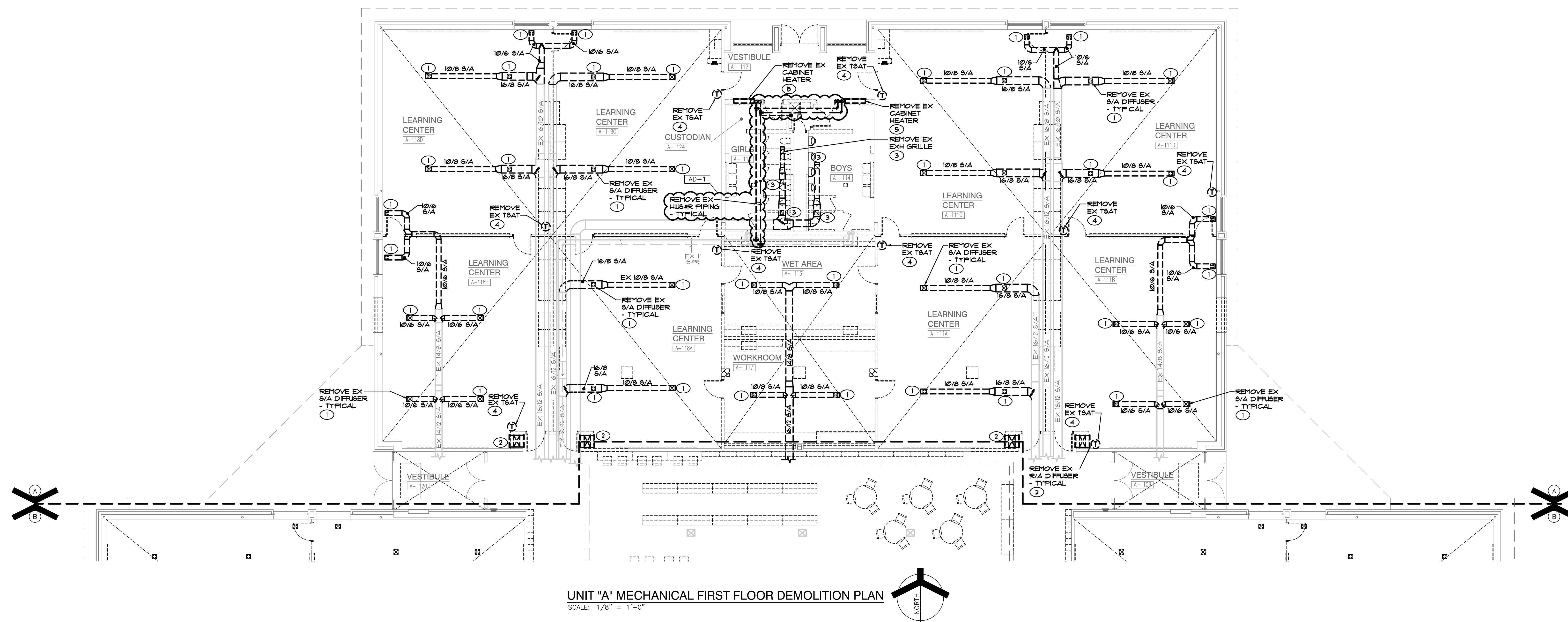
SHEET

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MD101

SHEET NOTES

1. REMOVE EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED SUPPLY AIR DUCTWORK COMPLETE AS REQUIRED.
2. REMOVE EXISTING RETURN AIR GRILLE AND ASSOCIATED RETURN AIR DUCTWORK COMPLETE AS REQUIRED.
3. REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED EXHAUST DUCTWORK COMPLETE AS REQUIRED.
4. REMOVE EXISTING PROGRAMMABLE THERMOSTAT AND ASSOCIATED CONTROL WIRING COMPLETE AS REQUIRED EXISTING SURFACE MOUNTED RACEWAY TO REMAIN FOR NEW CONTROL WIRING INSTALLATION.
5. REMOVE EXISTING CABINET HEATER AND ASSOCIATED HOT AIR DUCTWORK, VALVES, COILS, AND ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED.



UNIT "A" MECHANICAL FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



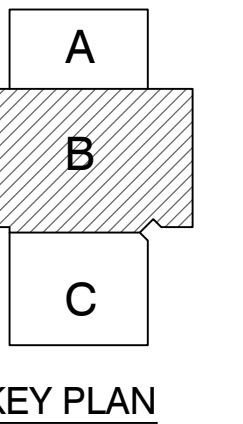
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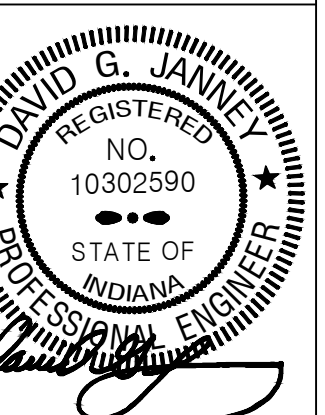
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CHESTERTON, INDIANA



GIBRALTAR DESIGN

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Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

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21-143
DATE
10/31/22
COORDINATED BY
JC
DRAWN BY
KS
CHECKED BY
DJ



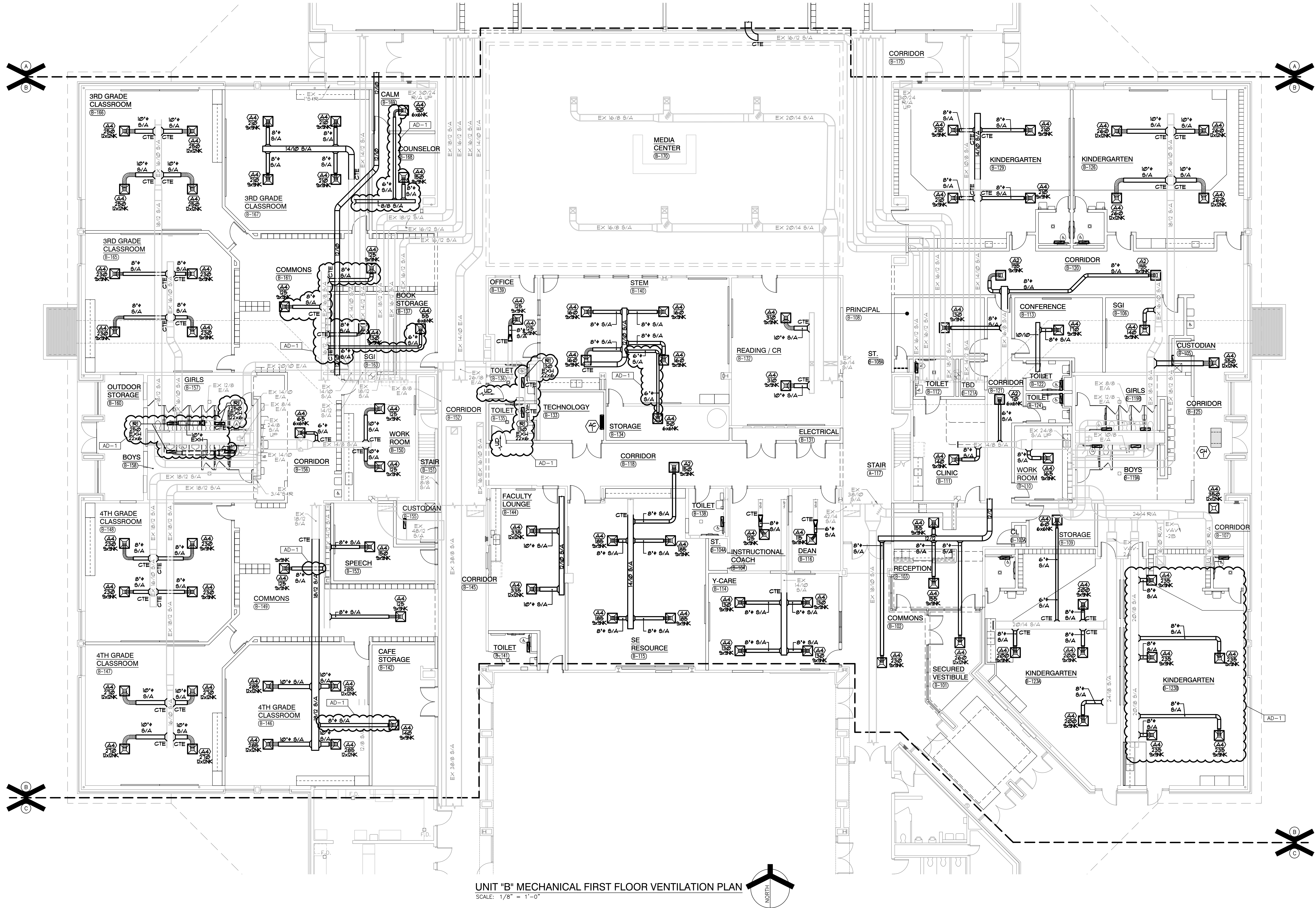
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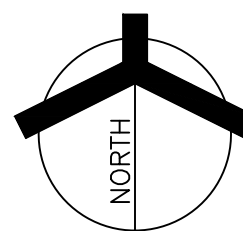
DRAWING
**UNIT "B" MECHANICAL
FIRST FLOOR
VENTILATION PLAN**

PROJECT
JACKSON ES -
ADDITIONS & RENOVATIONS

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B MV102



UNIT "B" MECHANICAL FIRST FLOOR VENTILATION PLAN
SCALE: 1/8" = 1'-0"






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--	------------------

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-143 DATE 10/31/22 COORDINATED BY JC DRAWN BY KS CHECKED BY D.I	
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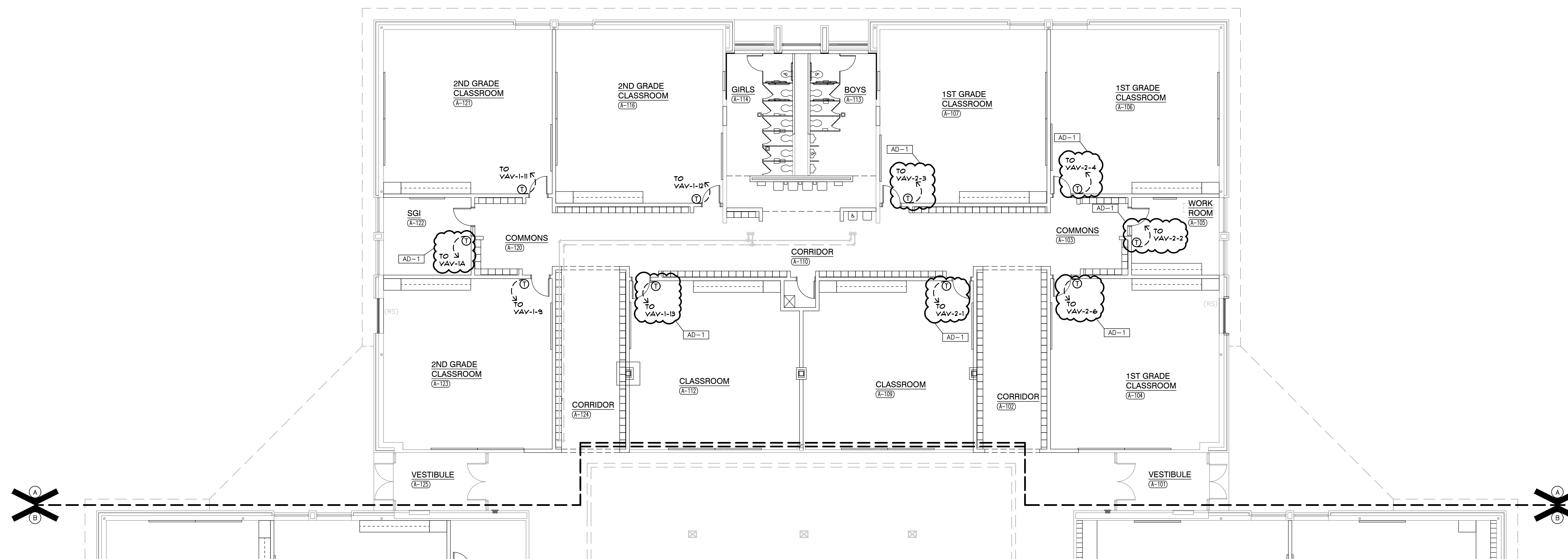
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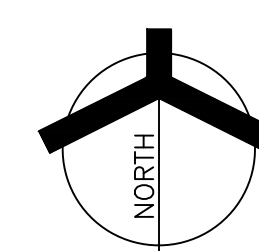
**UNIT "A" MECHANICAL
FIRST FLOOR PIPING PLAN**

PROJECT
JACKSON ES -
ADDITIONS & RENOVATIONS

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UNIT "A" MECHANICAL FIRST FLOOR PIPING PLAN
SCALE: 1/8" = 1'-0"

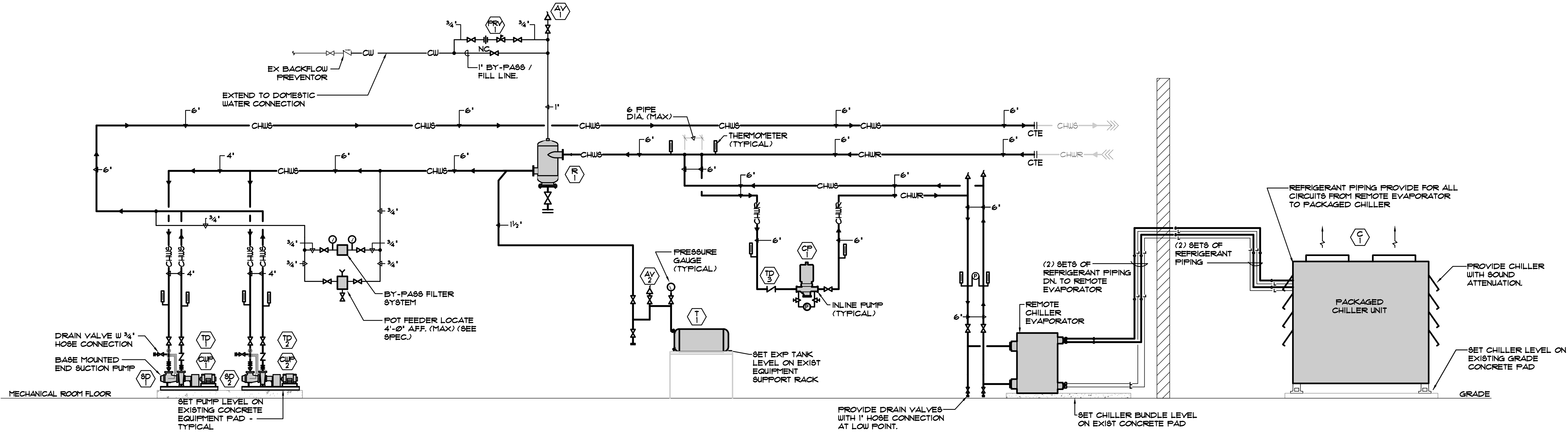


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CHILLED WATER SYSTEM PIPING DIAGRAM

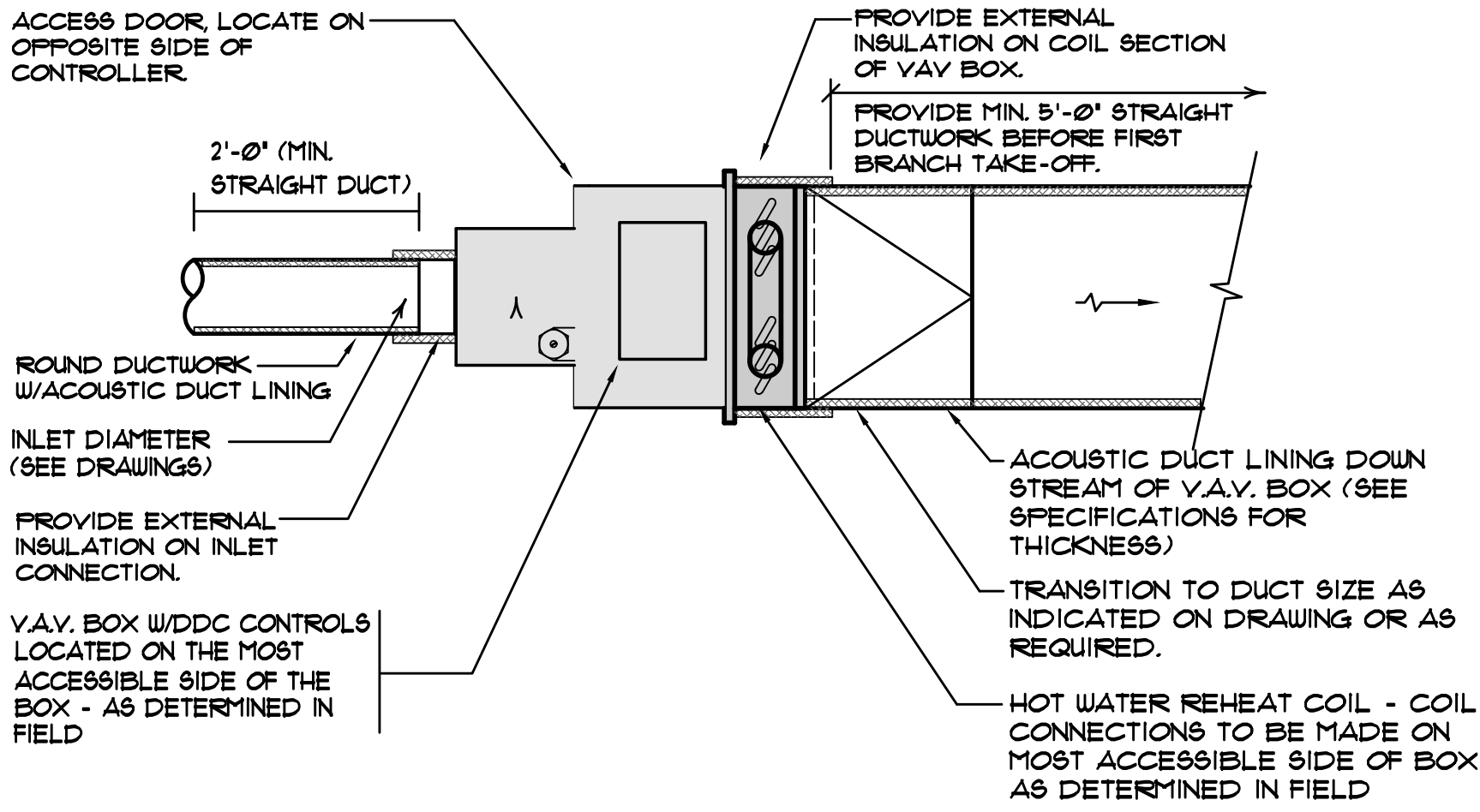
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EQUIPMENT LEGEND					
TAG	DESCRIPTION	MANUFACTURER	MODEL #	SIZE	REMARKS
R-1	AIR SEPARATOR	BELL & GOSSETT	R-6	6"	5 PSI MAX PRESSURE DROP
T-1	COMPRESSOR TANK	BELL & GOSSETT	D-15	12"x19"14	MIN EXP VOL = 3.0 GAL MIN TANK VOL = 3.0 GAL
PRV-1	PRESSURE REDUCING VALVE	BELL & GOSSETT	B1-12	3/4"	10 - 25 PSI ADJUSTABLE (SET AT 23.5 PSI) FIELD VERIFY.
SD-1	SUCTION DIFFUSER	BELL & GOSSETT	EC-3X	4' / 2.5'	5 PSI MAX PRESSURE DROP
SD-2	SUCTION DIFFUSER	BELL & GOSSETT	EC-3X	4' / 2.5'	5 PSI MAX PRESSURE DROP
TD-1	TRIPLE DUTY VALVE	BELL & GOSSETT	3D-4B	4"	5 PSI MAX PRESSURE DROP
TD-2	TRIPLE DUTY VALVE	BELL & GOSSETT	3D-4B	4"	5 PSI MAX PRESSURE DROP
TD-3	TRIPLE DUTY VALVE	BELL & GOSSETT	3D-4B	4"	5 PSI MAX PRESSURE DROP
AV-1	AUTOMATIC AIR VENT	BELL & GOSSETT	101A	3/4"	-
AV-2	AUTOMATIC AIR VENT	BELL & GOSSETT	81	3/4"	-



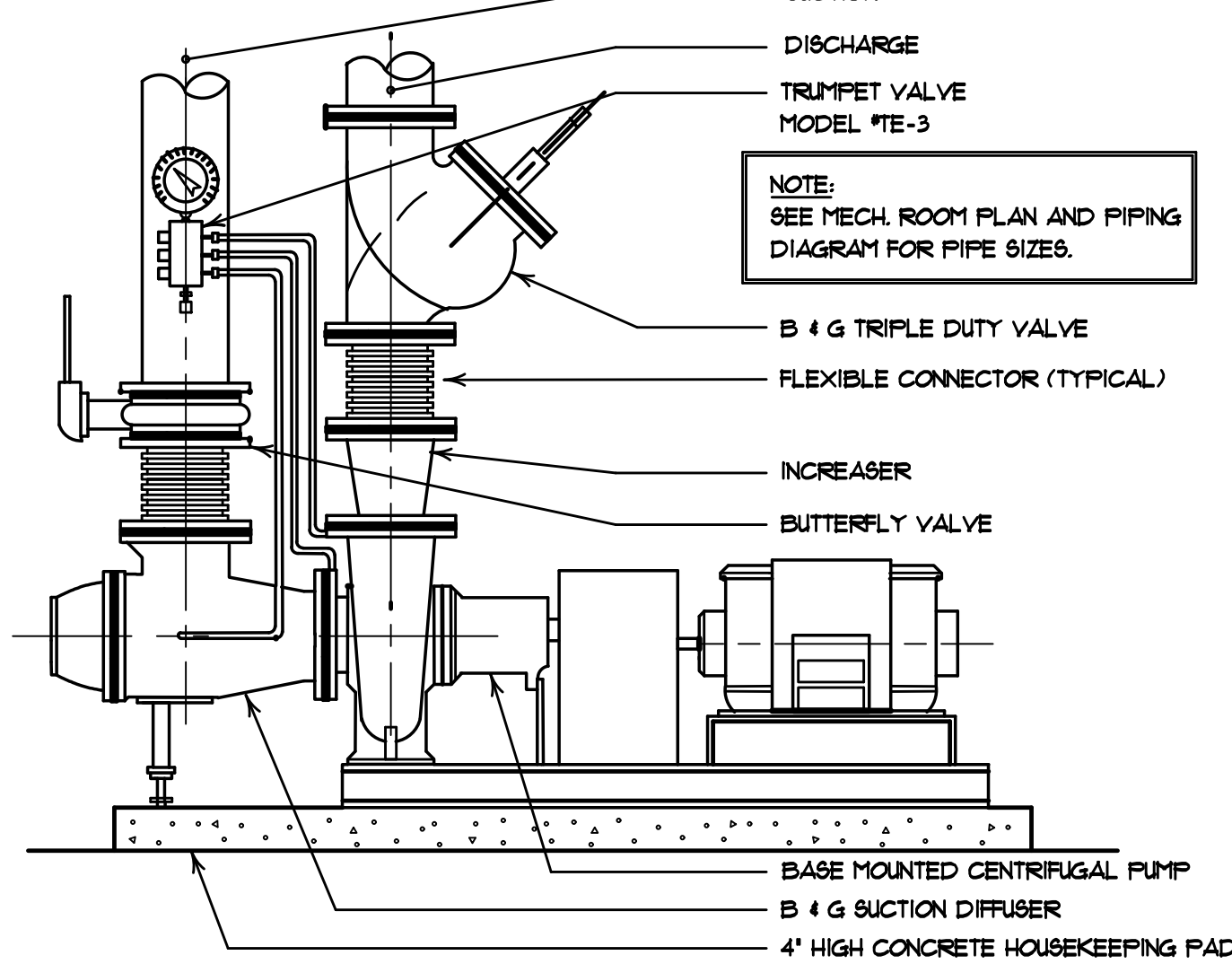
TYPICAL VAV BOX DETAIL

(NTS)



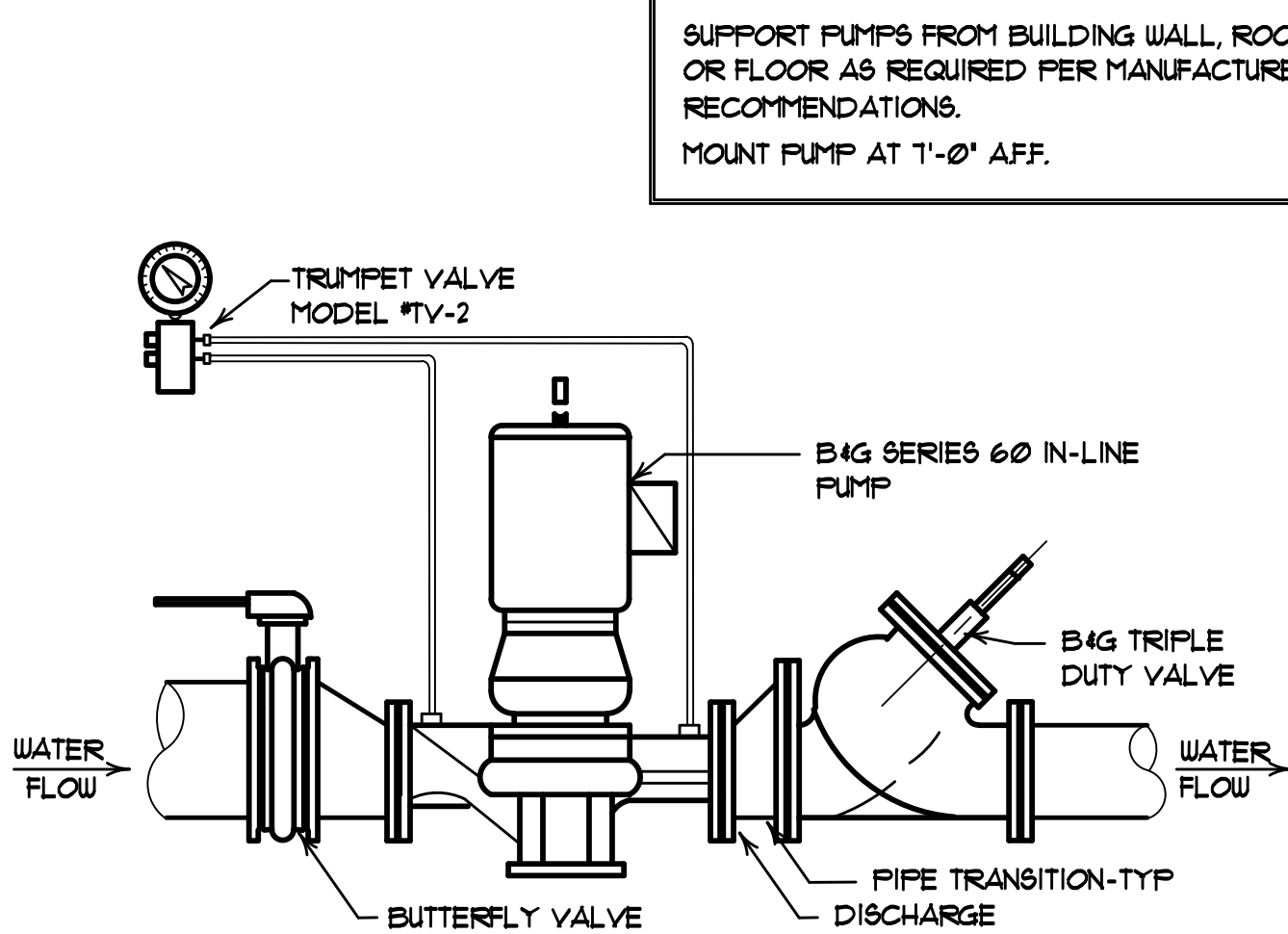
BASE MOUNTED PUMP DETAIL

(NTS)



IN-LINE PUMP DETAIL

(NTS)



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9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT
21-143
DATE
10/31/22
COORDINATED BY
JC
DRAWN BY
KS
CHECKED BY
DJ

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DRAWING
MECHANICAL DIAGRAMS
& DETAILS

PROJECT
JACKSON ES -
ADDITIONS & RENOVATIONS

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PLUMBING FIXTURE SCHEDULE								
TAG NO.	FIXTURE/EQUIPMENT TYPE	FIXTURE/EQUIPMENT DESCRIPTION	FIXTURE/EQUIPMENT MANUFACTURER AND MODEL NO.	ACCEPTABLE MANUF.	FIXTURE VALVE/FAUCET TYPE	FIXTURE VALVE/FAUCET TYPE	ACCEPTABLE MANUF.	ACCESSORIES/REMARKS (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
WC-1	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED	AMERICAN STANDARD 53351101	NOTE #1	BATTERY SENSOR FLUSH VALVE	SLOAN 132 OPTIMA 13116-116	NOTE #5	BEMIS 12155-C SEAT
WC-2	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED	AMERICAN STANDARD 53351101	NOTE #1	BATTERY SENSOR FLUSH VALVE	SLOAN 132 OPTIMA 13111-116	NOTE #5	BEMIS 12155-C SEAT
UR-1	URINAL	125 GAL PER FLUSH, VITREOUS CHINA, WALL MOUNTED, ADA	ZURN 125155-U	NOTE #1	BATTERY SENSOR FLUSH VALVE	ZURN 1ZER6003AV-ULF-CFM	NOTE #5	-
L-1	LAVATORY	VITREOUS CHINA, WALL MOUNTED, 20"X10", ADA	AMERICAN STANDARD 103551012	NOTE #1	0.5 GPM-ELECTRONIC BATTERY SENSOR, 4" CENTER	DELTA 1EBF-650-BDT	NOTE #6	PROVIDED WITH THERMOSTATIC MIXING VALVE, MCQUIRE 1FW-2150-UC 1-1/2" PROURAP, MCQUIRE 142161CCLK SUPPLIES
S-1	SINK	TWO COMPARTMENT STAINLESS STEEL SINK, 33"X19"X6"	ELKAY 1LRADQ-3319	NOTE #2	2 HANDLE, HIGH GOOSENECK	ELKAY 1UKD2442BHC	NOTE #6	MCQUIRE 1B-0912-C8DF P-TRAP, MCQUIRE 142161CCLK SUPPLIES, JOBAN 110230 SOLIDS INTERCEPTOR
S-2	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 22"X19-1/2"X6-1/2"	ELKAY 1LRADQ-2219	NOTE #3	2 HANDLE, HIGH GOOSENECK	CHICAGO FAUCET CO. 150-317XKABCP	NOTE #6	MCQUIRE 1B-0912-C8DF P-TRAP, MCQUIRE 142161CCLK SUPPLIES
S-3	SINK	TWO COMPARTMENT UNDERMOUNT, 31-3/4" X 16-1/2" X 5-3/8"	ELKAY 1ELUHAD321655	NOTE #3	2 HANDLE, HIGH GOOSENECK	CHICAGO FAUCET CO. 150-317XKABCP	NOTE #4	MCQUIRE 1B-0912-C8DF P-TRAP, MCQUIRE 142161CCLK SUPPLIES, JOBAN 110230 SOLIDS INTERCEPTOR
FD-1	FLOOR DRAIN	CAST IRON BODY, ADJUSTABLE 6"x6" NICKEL BRONZE TOP	WADE 1100-66	NOTE #3	-	-	-	VANDALPROOF SCREWS
TW-1	TEMPERED WATER VALVE	TEMPERED WATER VALVE	BRADLEY 1559-4000A THV	NOTE #4	-	-	-	VALVE RATED AT 2 GPM @ 5 PSI PRESSURE DROP (MIN FLOW 0.5 GPM)
MB-1	MOP BASIN	MOLDED STONE, 24"X24"X10"H	MUSTEE 163H	NOTE #4	WALL MOUNTED SERVICE FAUCET	CHICAGO FAUCET CO. 191-CP	NOTE #6	1/2" 3/4" HOSE THREAD, VACUUM BREAKER, WALL BRACE
-	-	-	-	-	-	-	-	-

NOTE #1: AMERICAN STANDARD, KOHLER, ZURN, SLOAN

NOTE #2: JUST

NOTE #3: ZURN, JOBAN, JR. SMITH, MIFAB

NOTE #4: LEONARD, POWERS, LAULER

NOTE #5: ZURN, TOTO

NOTE #6: ZURN, DELTA, T45 BRASS, CHICAGO FAUCET CO.

PLUMBING EQUIPMENT SCHEDULE													
TAG NO.	FIXTURE/EQUIPMENT TYPE	FIXTURE/EQUIPMENT DESCRIPTION	FIXTURE/EQUIPMENT MANUFACTURER AND MODEL NO.	ACCEPTABLE MANUF.	ACCESSORIES/REMARKS (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)	ELECTRICAL DATA							
						HP	KW	FLA	AMPS	MOCF	VOLT	PH	HZ
EW-1	ELECTRIC WATER COOLER	ELECTRIC WALL MOUNTED W/ BOTTLE FILLER	ELKAY FL288USLP	NOTE #1	-	-	-	-	-	-	120	1	60
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE #1: OASIS, HAWES, SUNROC

GENERAL NOTES

- A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE PLUMBING CODES.
- B. THE SCOPE OF WORK SPECIFIED HEREIN AND IN THE SPECIFICATIONS SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER - REFER TO THE SCOPE OF WORK FOR EACH TRADE. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGERS SCOPE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION. THE ARCHITECT/ENGINEERS DESIGN SHALL BE FINAL.
- C. LAYOUT IS DIAGRAMMATIC. INSTALL PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK. SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.
- D. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY PIPING AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
- E. FIELD VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- F. LAYOUT WORK TO AVOID CONFLICTS BETWEEN DUCTWORK, LIGHTING, CEILINGS, PIPING AND BUILDING STRUCTURE.
- G. SCHEDULE WORK TO AVOID DOWNTIME AND CONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT TIMES. REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL. NOTIFY OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING PLUMBING SYSTEMS.
- H. VERIFY LOCATION AND ELEVATION OF PLUMBING EQUIPMENT, FIXTURES, PIPING, PANELS, ETC. EXPOSED WITHIN OCCUPIED SPACES BEFORE THE START OF ANY ROUGH-IN OR INSTALLATION.
- I. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) BEFORE ORDERING ANY EQUIPMENT.
- J. VISIT SITE PRIOR TO BIDDING TO DETERMINE FIELD CONDITIONS. VERIFY EXISTING INTERIOR PLUMBING SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE EXTENT OF NEW AND DEMOLITION WORK. VERIFY EXISTING INTERIOR STORM AND SANITARY PIPING SYSTEMS AS TO ROUTING, SIZE AND INVERT ELEVATION PRIOR TO ANY INSTALLATION OF NEW AND REMOVAL OF ANY EXISTING.
- K. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ANY EXISTING CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC. SHALL BE AS REQUIRED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW PLUMBING SYSTEM. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY WORK OF EXISTING FIELD CONDITIONS TO RESOLVE ANY CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, FIXTURES AND PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.
- L. REMOVE EXISTING EQUIPMENT, FIXTURES, PIPING, ETC. PRESENTLY SERVING AREAS THAT ARE BEING RENOVATED AND THAT ARE NOT REQUIRED TO STAY IN SERVICE. NO EQUIPMENT, FIXTURES, PIPING, SUPPORTS, HANGERS, ETC. IS TO BE LEFT ABANDONED. VERIFY QUANTITY, LOCATION AND ELEVATION OF EXISTING TO BE REMOVED IN FIELD. REMOVE EXISTING ABANDONED EQUIPMENT, FIXTURES AND PIPING IN AREAS THAT ARE TO BE RENOVATED.
- M. EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY AS AN AID TO THE CONTRACTOR. PROPERLY ADDRESS EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE REPORTED IN WRITTEN FORM FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
- N. ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.
- O. REMOVED PIPING IS TO BE TERMINATED PROPERLY BACK TO EXISTING MAINS. CAP PIPING WATERTIGHT. PROVIDE ADDITIONAL PIPING AS REQUIRED TO MAINTAIN CONTINUITY OF EXISTING SYSTEMS MODIFIED DUE TO REMOVAL OF PORTION OF SYSTEMS.
- P. PROVIDE FINISHING OF EXISTING CEILING, FLOOR, AND WALL SURFACES AT LOCATIONS AFFECTED BY REMOVAL OF EXISTING MATERIALS AND EQUIPMENT SO THAT NEW FINISH WILL MATCH EXISTING IN SURROUNDING AREAS.
- Q. REMOVE EXISTING CEILINGS REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING UPON COMPLETION OF WORK. REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING.
- R. PROVIDE AND INSTALL FLENUM WRAP, TESTED TO UL 84 AND UL 910, ON ALL EXISTING PVC PIPING IN NEW OR EXISTING RETURN AIR CEILING PLUMBING.
- S. PROVIDE CUTTING, TRENCHING AND PATCHING OF EXISTING FLOOR SLAB REQUIRED FOR THE INSTALLATION OF NEW UNDERGROUND PIPING.
- T. CUT OR CHANNEL INTO EXISTING WALL CONSTRUCTIONS AS REQUIRED FOR INSTALLATION OF NEW PIPING WITHIN EXISTING WALLS. PATCH WALL SURFACES AND FINISH AS REQUIRED TO MATCH EXISTING CONDITIONS.
- U. PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO PLUMBING EQUIPMENT AND FIXTURES. SET FIXTURES/EQUIPMENT AND FURNISH AND INSTALL NECESSARY FITTINGS, TRAPS, STOPS, ETC. AS REQUIRED.
- V. PLUMBING PIPING ROUTING TO BE FIELD COORDINATED WITH NEW AND EXISTING HVAC DUCTWORK, HVAC PIPING, FIRE PROTECTION PIPING, ELECTRICAL AND STRUCTURE TO ENSURE NO CONFLICTS WILL OCCUR DUE TO INTERFERENCE.
- W. PIPING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- X. ISOLATION VALVES SHALL BE INSTALLED OVER ACCESSIBLE CEILINGS. WHEN ISOLATION VALVES ARE INSTALLED OVER INACCESSIBLE CEILING AREAS, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL 12" x 12" (MINIMUM) CEILING ACCESS DOORS. TYPE TO BE VANDALPROOF, TAMPERPROOF ASSEMBLIES. INSTALLATION TO BE COORDINATED WITH GENERAL CONTRACTOR.
- Y. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- Z. PROTECT NEW AND EXISTING DRAM OPENINGS AND SANITARY LINES DURING CONSTRUCTION TO PREVENT BLOCKAGE. ROD-OUT EXISTING SANITARY PIPING. PIPING SHALL BE FREE OF BLOCKAGE.
- AA. REPAIR AND/OR REPLACE DAMAGED PIPE INSULATION THAT OCCURS AS THE RESULT OF THIS CONSTRUCTION.
- AB. VIDEO/AUGE EXISTING SANITARY MAIN TO CONFIRM EXISTING BRANCH SANITARY CONNECTION POINTS, INVERTS AND CONDITION OF PIPING AS REQUIRED TO COMPLETE WORK. PROVIDE REPORT INDICATING CONNECTION POINT LOCATIONS, INVERTS, AND ANY DEFICIENCIES IN EXISTING SANITARY PIPING SYSTEM PRIOR TO STARTING WORK.

SYMBOL LIST	
	EXISTING UNDERGROUND SANITARY PIPING
	EXISTING COLD WATER PIPING
	EXISTING HOT WATER PIPING
	EXISTING HOT WATER RECIRCULATION PIPING
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED (ABOVE GROUND) OR CAPPED AND ABANDONED IN PLACE (UNDERGROUND)
	NEW UNDERGROUND SANITARY SEWER
	NEW COLD WATER PIPING
	NEW HOT WATER PIPING
	NEW HOT WATER RECIRCULATION PIPING
	NEW VENT PIPING
	PIPE DOWN
	PIPE UP
	SHUT-OFF VALVE
	CHECK VALVE
	HOSE BIBB/SILL COCK
	BALANCING COCK/MANUAL FLOW CONTROL VALVE
	SHEET NOTE TAG
CO	CLEANOUT
CTE	CONNECT TO EXISTING
CW	COLD WATER
DN	DOWN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
L	LAVATORY
MB	MOP BASIN
S	SINK
SC	SILL COCK
TW	TEMPERED WATER
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
WC	WATER CLOSET

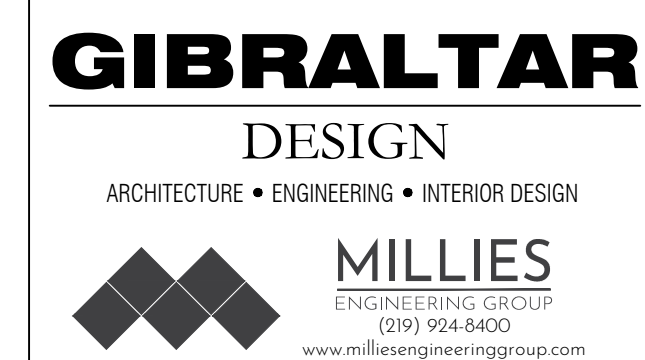


JACKSON ELEMENTARY SCHOOL - RENOVATIONS

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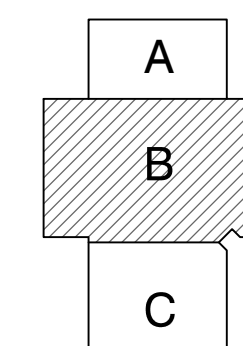
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PROJECT
**JACKSON
ELEMENTARY
SCHOOL -
RENOVATIONS**

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA

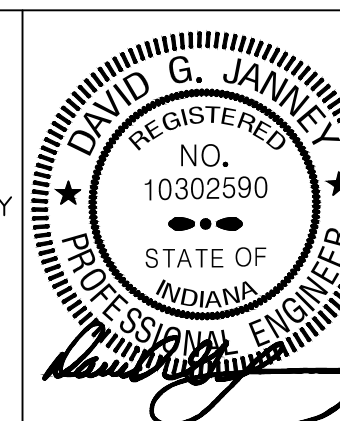


KEY PLAN

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
21-143
DATE
10/31/22
COORDINATED BY
JC
DRAWN BY
MS
CHECKED BY
D.J.



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DRAWING
ELECTRICAL MEZZANINE
POWER PLAN

PROJECT
JACKSON ES -
ADDITIONS & RENOVATIONS

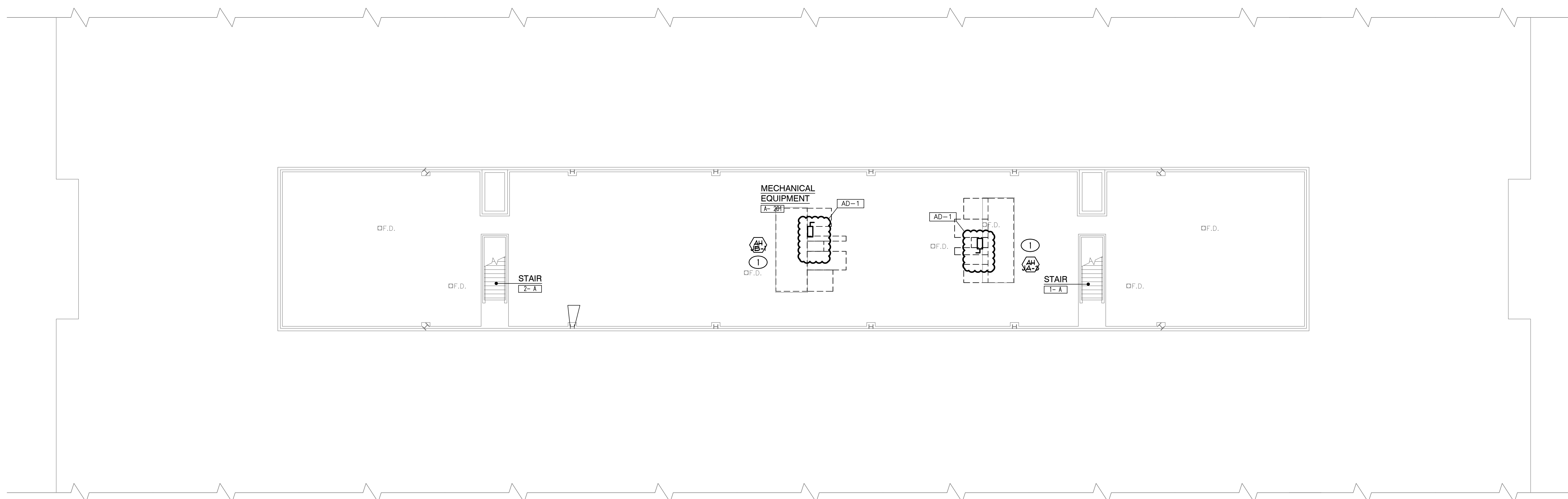
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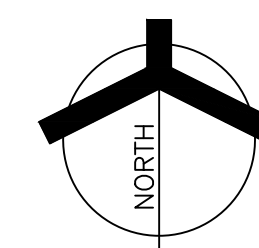
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1. REFER TO MECHANICAL EQUIPMENT CONNECTION FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.



ELECTRICAL MEZZANINE POWER PLAN

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



TAG	DESCRIPTION	LOAD					MOCP	VOLT	PHASE	PANEL	CKT. NO.	FUSED SWITCH C/B	FEEDER		STARTER BY:		LOCATION	REMARKS
		WATTS	HP	MCA	FLA	AMPS							CABLE	C	MC.	EC.		
C-1	GRADE MOUNTED AIR COOLED CHILLER W/ REMOTE INTERIOR BUNDLE	212582	-	256	-	-	300	480	3	M9B	-	300A/3P	4 550 #1 1/4 GRD	3"	X	-	-	-
AH-JB1	INTERIOR CENTRAL STATION AIR HANDLING UNIT	8512	-	10	-	-	15	480	3	M9B	-	15A/3P	4 1/2 #1 1/2 GRD	3/4"	X	-	-	-
-	HOT WATER HEATING / CHILLED WATER COOLING - 82YAV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AH-JB2	INTERIOR CENTRAL STATION AIR HANDLING UNIT	28026	-	34	-	-	60	480	3	M9B	-	60A/3P	4 1/2 #1 1/2	1"	X	-	-	-
-	HOT WATER HEATING / CHILLED WATER COOLING - 82YAV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AH-JA3	INTERIOR CENTRAL STATION AIR HANDLING UNIT	8512	-	10	-	-	15	480	3	M9B	-	15A/3P	4 1/2 #1 1/2 GRD	3/4"	X	-	-	-
-	HOT WATER HEATING / CHILLED WATER COOLING - 82YAV	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
CH-1	RECESSED CEILING MOUNTED HOT WATER CABINET HEATER	168	-	-	-	1.4	-	120	1	M9B	-	20A/1P	2 1/2 #1 1/2 GRD	3/4"	X	-	-	-
GEF-1	GENERAL ROOF MOUNTED EXHAUST FAN - C120-STOREAGE	528	1/6	-	-	-	-	120	1	-	-	20A/1P	2 1/2 #1 1/2 GRD	3/4"	X	-	-	-
GEF-2	GENERAL ROOF MOUNTED EXHAUST FAN - C120-BOILER ROOM	1116	1/2	-	-	-	-	120	1	-	-	20A/1P	2 1/2 #1 1/2 GRD	3/4"	X	-	-	-
GEF-3	GENERAL ROOF MOUNTED EXHAUST FAN - C120-BOILER ROOM	1920	1	-	-	-	-	120	1	-	-	20A/1P	2 1/2 #1 1/2 GRD	3/4"	X	-	-	-
AC-1/ACU-1	WALL MTD AC UNIT / ROOF MOUNTED CONDENSING UNIT	3328	-	16	-	-	20	208	1	-	-	20A/1P	3 1/2 #1 1/2 GRD	3/4"	X	-	-	-

PUMP EQUIPMENT CONNECTION SCHEDULE															
TAG	DESCRIPTION	LOAD WATTS	HP	MOCP	VOLT	PHASE	PANEL	CKT. NO.	FUSED SWITCH C/B	FEEDER		STARTED BY:		LOCATION	REMARKS
										CABLE	C	MC.	EC.		
CP-1	CHILLER PUMP	3086	3	-	480	3	-	-	20A/3P	4 #12 4 #12 GRD	3/4"	-	-	-	-
CWP-1	CHILLED WATER DISTRIBUTION PUMP	6311	5	-	480	3	-	-	20A/3P	4 #12 4 #12 GRD	3/4"	-	-	-	-
CWP-2	CHILLED WATER DISTRIBUTION PUMP	6311	5	-	480	3	-	-	20A/3P	4 #12 4 #12 GRD	3/4"				

LIGHTING CONTROL SYSTEM NOTES

1. UNLESS NOTED OTHERWISE, THE LIGHTING CONTROL SYSTEM SHALL BE A STAND ALONE SENSORSWITCH WIRED SYSTEM, COMPLETE WITH OCCUPANCY SENSORS, POWER RACKS, EMERGENCY ACCESSORIES, ETC. SYSTEM TO BE PROVIDED WITH COMPONENTS AND ACCESSORIES AS REQUIRED TO PROVIDE FUNCTIONALITY PER THE CONTRACT DOCUMENTS.
2. LIGHTING CONTROL EQUIPMENT WILL BE CONSIDERED FROM THE FOLLOWING MANUFACTURERS: EATON CONTROLS, LEVITON, WATSTOFFER OR HUBBELL CONTROLS. THE SUBMITTED LIGHTING CONTROL SYSTEM SHALL PROVIDE FULL LIGHTING CONTROL FUNCTIONALITY AS SPECIFIED.
3. BECAUSE OF DIFFERENCES BETWEEN MANUFACTURERS, DIAGRAMS SHOWN ARE DIAGRAMMATIC AND MAY NOT SHOW ALL PARTS AND ACCESSORIES REQUIRED. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH LIGHTING CONTROL MANUFACTURER AND CONTRACT DOCUMENTS. CONTRACTOR SHALL PROVIDE ALL PARTS AND ACCESSORIES REQUIRED FOR A COMPLETE AND PROPERLY OPERATING SYSTEM AS SHOWN ON CONTRACT DOCUMENTS. VERIFY ALL CONDITIONS AND REQUIREMENTS, COMPLETE AS REQUIRED.
4. NO EXTRAS SHALL BE ALLOWED AFTER BIDDING FOR NOT FULLY UNDERSTANDING THE SCOPE OF WORK INVOLVED OR TO FULLY ACCOMPLISH THE SWITCHING SCHEME SHOWN ON THE CONTRACT DOCUMENTS.
5. PROVIDE 12 HOURS OF FACTORY COMMISSIONING AND 6 HOURS FACTORY TRAINING FOR THE OWNER'S BUILDING STAFF.
6. UL924 BYPASS DEVICES SHALL BE PROVIDED FOR ALL FIXTURES WITH AN EMERGENCY SOURCE OF POWER THAT IS SWITCHED. THE UL924 BYPASS SHALL PROVIDE BYPASS FOR BOTH THE POWER AND CONTROL SIGNAL. COMPLETE AS REQUIRED.
7. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED, CABLING ROUTED IN CONCEALED AREAS SHALL BE ROUTED NEATLY EXPOSED WITH J-HOOKS, CABLING LOCATED IN EXPOSED CEILINGS SHALL BE CONCEALED IN NEATLY ROUTED CONDUIT. LOW VOLTAGE CABLING INSTALLATION SHALL FULFILL LOCAL CODE REQUIREMENTS.

LIGHTING FIXTURE GENERAL NOTES

1. INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
2. PENDANT FIXTURES SPECIFIED ON THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER AS EACH PENDANT FIXTURE IS A CUSTOM MANUFACTURED FIXTURE. PROVIDE PENDANT EMERGENCY SECTIONS AND EMERGENCY CIRCUITS AS SHOWN. COORDINATE WITH FIXTURE MANUFACTURER TO PROVIDE ADDITIONAL ACCESSORIES FOR A COMPLETE AND PROPER INSTALLATION. PROVIDE PROPER FIXTURE LENGTH, FEEDS, SINGLE AND DUAL CIRCUITING AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWINGS FOR REVIEW AS PART OF THE SHOP DRAWING SUBMITTAL PROCESS.
3. SHADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED.
4. EXTERIOR LIGHTING POLES SHALL BE PROVIDED WITH STRAIGHT SQUARE ALUMINUM POLES WITH CAST BASE COVERS AND VIBRATION DAMPENERS. THE POLES SHALL BE SIZED PROPERLY TO SUPPORT FIXTURE WEIGHT AT 100 MPH WIND WITH A 1.3 GUST FACTOR. MINIMUM POLE SIZE TO BE 9" SQUARE. PROVIDE ADDITIONAL MOUNTING ACCESSORIES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
5. FOR EXTERIOR POLE MOUNTED LIGHTING, PROVIDE FACTORY MOUNTED HOUSE SIDE SHIELDS INTEGRAL TO THE FIXTURE AS SPECIFIED. ADDITIONALLY, PROVIDE CUSTOM FABRICATED POLE MOUNTED HOUSE SIDE SHIELDING AS REQUIRED TO CONTROL LIGHT TRESPASS AND COMPLY WITH LOCAL REQUIREMENTS.
6. CAREFULLY COORDINATE MOUNTING REQUIREMENTS FOR FIXTURES WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER. PROVIDE APPROPRIATE MOUNTING FRAMES FOR LAY-IN OR GYPSUM CEILINGS. VERIFY CEILING REQUIREMENTS WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
7. VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
8. FOR FIXTURES INSTALLED IN CASEWORK, VERIFY FIXTURE FIT WITH CASEWORK SHOP DRAWINGS PRIOR TO ORDERING.
9. PROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENVIRONMENTAL CAUSES.
10. COORDINATE LOCATIONS OF INTERIOR AND EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS. FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO ADDITIONAL CHARGE.
11. FIXTURES SHALL BE PROVIDED WITH ESCUTCHEON PLATES AS REQUIRED TO COVER EXISTING HOLES FROM REMOVED FIXTURES. CANOPY CEILING AROUND NEW FIXTURES SHALL BE REFINISHED TO MATCH EXISTING SURROUNDING CANOPY CEILING SURFACES.
12. PROVIDE 5000K COLOR TEMPERATURE IN SPECIAL EDUCATION SPACES AS SPECIFIED.
13. FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES. EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
14. EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
15. CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
16. APPROVED EQUALS WILL BE CONSIDERED FROM THE FOLLOWING VENDORS: KSA LIGHTING (630.327.6955), FORCE CHICAGO (312.326.1515) OR PG ENLIGHTEN (847.228.1093).
17. CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

INTERIOR LIGHTING LUMINAIRE SCHEDULE							
TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 7BLT4-40L-ADP-GZ1-LP840 COLUMBIA 7CAT24-40-LU-G-EDI-U DAY-BRITE 7FGXG40L840-4-RS-UNV-DIM	MY VOLT 0-10V DIM -	LED 4000K MAX 32 W MIN 4000 LM	RECESSED LAY-IN	- - - -
AAI		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 7BLT4-48L-ADP-GZ1-LP840 COLUMBIA 7CAT24-40-ML-G-EDI-U DAY-BRITE 7FGXG48L840-4-RS-UNV-DIM	MY VOLT 0-10V DIM -	LED 4000K MAX 38 W MIN 4800 LM	RECESSED LAY-IN	- - - -
AA2		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 7BLT4-60L-ADP-GZ1-LP840 COLUMBIA 7CAT24-40-VL-G-EDI-U DAY-BRITE 7FGXG60L840-4-RS-UNV-DIM	MY VOLT 0-10V DIM -	LED 4000K MAX 48 W MIN 6000 LM	RECESSED LAY-IN	- - - -
AB		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA 7BLT2-48L-ADP-GZ1-LP840 COLUMBIA 7CAT22-40-VL-G-EDI-U DAY-BRITE 7FGXG48L840-2-RS-UNV-DIM	MY VOLT 0-10V DIM -	LED 4000K MAX 44 W MIN 4800 LM	RECESSED LAY-IN	- - - -
ABI		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA 7BLT2-40L-ADP-GZ1-LP840 COLUMBIA 7CAT22-40-UL-G-EDI-U DAY-BRITE 7FGXG40L840-2-RS-UNV-DIM	MY VOLT 0-10V DIM -	LED 4000K MAX 32 W MIN 4000 LM	RECESSED LAY-IN	- - - -
CA		6" DIAMETER LED DOWNLIGHT WITH SEMI-SPECULAR ALZAK REFLECTOR (IRIDESCENT FREE FINISH, 4 WHITE LIGHT)	LITHONIA 7LDN6-40-B-L06-AR-L86-MVOLT 7GZ10-XX FRESCOLITE 7LTR-81BL-DMI / 7LTR-6RD-T-814028MD LIGHTOLIER 76RN / 76RD-81B840VOCDDZ10U	MY VOLT 0-10V DIM -	LED 4000K MAX 18 W MIN 1500 LM	RECESSED LAY-IN/ DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT
FA		LINEAR LED FIXTURE FOR DISPLAY CASE WITH 45 DEG EXTRUSION AND CONTINUOUS LENGTHS AS SHOWN	OPTIC ARTS 7KL12-10-4K-X-X-X-X-X Q-TRAN 7SU24-50-DRY-40K / VEVE- FAR 7R6-30-50265-5040 PROVIDE WITH FOWER SUPPLIES AND ALL ACCESSORIES AS REQUIRED	MY VOLT MLV DIM -	LED 4000K MAX 45W/FT MIN 44 LM/FT	SURFACE	-VERIFY FINISH WITH ARCHITECT -COORDINATE MOUNTING WITH CASEWORK
FAI		LED 4" WIDE CONTINUOUS LINEAR SLOT FIXTURE	MARK 7BL4L-LOP-X-FLP-X-80CRI-40K-800LM/FT -MINI-MVOLT NULLITE 7RG4-09-L40-UNV-D-X-X-FRF-XXV FINELITE 77P4R-D-X-V-840-F-36LG-XXV -8C-PC-10-X-FE-X	120/211 VOLT 0-10V DIM -	LED 4000 K MIN 800LM/FT MAX BU/FT	RECESSED LAY-IN/ DRYWALL	-PROVIDE LENGTHS AS SHOWN ON DRAWINGS -VERIFY FINISH WITH ARCHITECT -COORDINATE EMERGENCY CIRCUITS AND SWITCHING WITH PLANS
PA		4' LED INDUSTRIAL FIXTURE WITH UREAGUARD AND SAFETY CHAINS	LITHONIA 7CLX-L48-7000LM-8BF-PDL-MVOLT -GZ10-40K-80CRI-XX-XX COLUMBIA 77P84-40XL-FU-EDI-U-MF8UG4 DAY-BRITE 7788470L840-UNV-DIM-F88UG4	MY VOLT 0-10V DIM -	LED 4000K CRI 88 MIN 7000 LM	Y" CHAIN SUSPEND	-COORD LOCATIONS WITH DUCTWORK & PIPING
XA		SINGLE FACE EXIT, AC ONLY	LITHONIA 7LE-S-X-1-R-X DUAL-LITE 7SE-6-R-X CHLORIDE 75BL-3-X-R	120 VOLT - -	LED MAX 3W -	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROUS AS REQUIRED
XB		DUAL FACE EXIT AC ONLY	LITHONIA 7LE-S-X-2-R-X DUAL-LITE 7SE-D-R-X CHLORIDE 75BL-3-X-R	120 VOLT - -	LED MAX 3W -	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROUS AS REQUIRED
XC		SINGLE FACE EXIT, AC ONLY, BLACK FINISH	LITHONIA 7LE-S-X-1-R-X DUAL-LITE 7SE-6-R-X CHLORIDE 75BL-3-X-R	120 VOLT - -	LED MAX 3W -	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROUS AS REQUIRED
EM		FIXTURE ON EMERGENCY LIFE SAFETY GENERATOR CIRCUIT WITH UL 924 BYPASS AS REQUIRED	-	MY VOLT -	- -	IN FIXTURE/ REMYOTE	-
NL		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE					

