

ADDENDUM NO. 2

January 19, 2023

DUNELAND BRUMMITT ELEMENTARY SCHOOL RENOVATIONS Chesterton, 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 November 30, 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 Pages ADD 2-1 through ADD 2-2 and attached Addendum No. 2 from Gibraltar Design dated January 18, 2023 and consisting of 5 pages, Specification Section 04 20 00 - Unit Masonry and 31 drawings.

A. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

Under 3.02 - General Requirements

1. Revise:

Clarification No. 2: Autodesk Build is replacing PlanGrid. Autodesk Build does not require users to purchase a license. Contractors will be invited to the project and required to use this tool. Autodesk Build will be used as the Current Set and As-Built Record Drawings. Additionally, it will be used to track Issues for Safety, QA/QC, Non-Compliance Issues, Work Completion List and Punch List. For projects identified as utilizing BIM Collaborations, Autodesk Build along with the BIM Collaboration tool will facilitate overhead coordination and clash detection. For identified BIM projects, Contractors shall participate and provide BIM Models of their work to facilitate this coordination.

B. This project will not utilize BIM Collaborations.

ADDENDUM TWO

Addendum Two (AD.02) to the drawings and specifications prepared by Gibraltar Design for **Brummitt 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 Addendum One and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. Specification Section 04 20 00

Unit Masonry

- A. Add Specification Section 04 20 00, Unit Masonry, included in this Addendum, to the Project Manual.

2. Specification Section 09 22 13

Metal Framing and Furring

- A. Change Paragraph 2.2 C.2 to read:
 - “2. Embossed Steel Studs and Runners
 - a. Minimum Base-Metal Thickness
 - (65 ksi), EQ 20 gauge (up to 14 foot height requirement), 0.030 mils
 - (33 ksi), EQ 20 gauge (above 14 foot height requirement), 0.033 mils
 - (33 ksi), EQ 18 gauge (above 16 foot height requirement, 0.040.”

3. Specification Section 10 14 00

Signage

- A. Delete Paragraph 1.1 C in its entirety.
- B. Delete Paragraph 2.1 A.3.a. in its entirety.

DRAWINGS

4. Sheets G-201

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Clarify Building Door Number to differentiate between vinyl numbers on the door and number plates adjacent to the door.

5. Sheets G-301

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Wall Partition Types 1/G-301: Add partition type A2 and clarify height of studs required.

**6. Sheets AD101 and AD102**

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
1. Change Demolition Plan Note 17 to read "Remove existing window stool".
 2. Add Demolition Plan Note 52 to read "Slab Recessed ½"-5/8" in all or portion of this room. Fill recessed slab with Ardex."
 3. Add Demolition Plan Note 53 to read "Remove Aluminum Storefront from Wall of change of direction. Salvage all electrified hardware for reinstallation."
 4. Remove Note 17 from exterior of all exterior windows and change linework from demo to existing to remain.
 5. Add Note 17 to interior of exterior of windows in rooms to receive new wall furring.
 6. Add note 52 to multiple rooms and dashed lines to show location of flooring transition/edge of slab recess.
 7. Change exterior main entry storefront to demolition and add note 53.

7. Sheets A-101 and A-102

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
1. Change new exterior windows to existing to remain and remove all W1 tags.
 2. Add Note 36 to Plan Notes with reference to 7/A-610.
 3. Add Note 36 to existing windows in rooms to receive furring on the exterior wall.
 4. Change exterior main entry storefront to new and add door numbers B-101A and B-101B.

8. Sheets A-301 and A-302

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
1. Change Elevation Key Note 3 to read "Not Used."
 2. Change new exterior windows to existing to remain and remove W1 tag and keynote 3 at each window.
 3. Change exterior main entry storefront to new and change associated keynote from 13 to 2.

9. Sheets A-420

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Wall Section 2/A-420: Add and dimension location of ceiling mounted cabinet heater.

10. Sheets A-501

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Updated locker size to match plans.
 2. Locker count updated.

11. Sheets A-601

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



1. Add Door Schedule Notes 8 and 9.
2. Add Door B-101A and B-101B to the door and frame schedule.

12. Sheet A-610

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Remove aluminum window elevations (W) 7/A-610.
 2. Remove window details 8/A-610 through 11/A-610.
 3. Add new Detail 7/A-610 for new window stools at walls to receive furring.
 4. Add SF6 to Aluminum Storefront Frame Elevations (SF).

13. Sheets A-701 and A-702

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
1. Added Note 6 to new corridor lockers.

14. Sheet A-730

- A. Refer to revised full size drawing, included in this Addendum, for casework change in Elevation 23.

15. Sheet A-801 and A-802

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
1. Change Finish Plan Notes 17 to read "Not Used."
 2. Change Finish Plan Notes 20 to read "Schluter tile trim at all new outside corners."
 3. Change Finish Plan Notes 20 to read "Match existing wall finishes, wall tile full height."
 4. Add Finish Plan Notes 24 to read "Refer to A-101 and A-102 for additional work required for tile installation in this room."
 5. Add note 20 to Woman A-137 and Men A-138.
 6. Add note 24 to Boys and Girls group restroom in Unit B.

16. Sheet A-902

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Add Reflected Ceiling Plan Notes 23 to read "Patch existing cement plaster ceiling at bulkhead and for installation of items by other disciplines (refer to mechanical, Electrical, Plumbing, and Technology drawings) Paint entire ceiling White (Sherwin Williams SW7007 or approved equal)."
 2. Add ceiling cabinet heaters and note 23 to ceiling of Entry B-101.

17. Sheet MP-102

- A. Refer to revised full size drawing, included in this Addendum, for revised location of new cabinet heaters.

18. Sheet M-601

- A. Refer to revised full size drawing, included in this Addendum, for added transfer air detail.

**19. Sheet P-001**

- A. Refer to revised full size drawing, included in this Addendum, for revisions to Plumbing Fixture Schedule.

20. Sheet P-112

- A. Refer to revised full size drawing, included in this Addendum, for additional information regarding canopy Alternate.

21. Sheet P-201

- A. Refer to revised full size drawing, included in this Addendum, for additional information regarding canopy Alternate.

22. Sheet P-503

- 1. Add new full size drawing, included in this Addendum, to Construction Documents.

23. Sheet ED-101

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Modify existing generator, transfer switch and EM panel to show for demolition.

24. Sheet EL-101

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Modify general notes to clarify circulating design.

25. Sheet EL-102

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Modify general notes to clarify circulating design and alternate bid canopy lighting.

26. Sheet EP-101

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Modify general notes to clarify circulating design.
 - 2. Revise EM tech receptacle locations to each IDF room.
 - 3. Add EM-tech panel location.
 - 4. Add EM panel, transfer switch location.

27. Sheet EP-102

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Modify general notes to clarify circulating design.
 - 2. Revise EM tech receptacle locations to each IDF room.

28. Sheet E-603

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



1. Add EM Tech1, Tech2 and EM-SB Panel schedules.
2. Revise AH-3 and RT-1 Panel indication to 4D1 in lieu of MDP.

29. Sheet E-604

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
1. Remove reference to new utility upgrades.
 2. Add chiller connection information.
 3. Add AH-3 AND RT-1 connection.
 4. Revise emergency distribution as indicate.

Pages 1 through 5, inclusive, Specification Section 04 20 00, and Thirty-One (31) Full-Size Drawings, constitute the total makeup of **Addendum Two**.

**GIBRALTAR**

DESIGN

Y:\21-136 Duneland SC - Brummitt ES Additions and Renovations\Specs\ADDENDUM TWO\AD02.docx

SECTION 04 20 00

UNIT MASONRY

1 General

1.1 Section Includes

- A. Masonry Units:
 - 1. Concrete masonry units.
 - 2. Cut Stone.
 - 3. Face brick.
- B. Flashing, reinforcement, anchorages, and accessories.

1.2 Products Installed But Not Furnished Under This Section

- A. Section 05 12 00 - Structural Steel: Items to be embedded in masonry, including anchor bolts, bearing plates and bearing plate assemblies, steel lintels, etc.
- B. Section 05 50 00 - Miscellaneous Metals: Fabricated steel items required to be built into masonry.
- C. Section 07 62 00 - Sheet Metal Flashing: Reglets for flashings.

1.3 Related Sections

- A. Division 1: Testing laboratory services.
- B. Section 03 30 00 - Concrete.
- C. Section 07 21 27 – Enclosed Cavity Foamed Insulation: For optional insulation and air barrier system.
- D. Section 07 27 31 – Air Infiltration Barrier.
- E. Section 07 90 00 - Joint Sealants: Rod and sealant at expansion joints.
- F. Division 21.
- G. Division 22.
- H. Division 23.
- I. Division 26.
- J. Division 27.
- K. Division 28.

1.4 References

- A. ASTM A82 – Steel Wire, Plain, for Concrete Reinforcement.
- B. ASTM A153 - Zinc Coating (Hot Dip) on Iron and Steel Hardware.
- C. ASTM A615 - Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.
- D. ASTM A641 - Zinc Coated (Galvanized) Carbon Steel Wire.
- E. ASTM A653 - Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- F. ASTM C33 - Concrete Aggregates.
- G. ASTM C62 - Building Brick.
- H. ASTM C90 - Load-Bearing Concrete Masonry Units.
- I. ASTM C144 - Aggregate for Masonry Mortar.
- J. ASTM C150 - Portland Cement.
- K. ASTM C207 - Hydrated Lime for Masonry Purposes.
- L. ASTM C216 - Facing Brick.
- M. ASTM C270 - Mortar for Unit Masonry.
- N. ASTM C404 - Aggregates for Masonry Grout.
- O. ASTM C476 - Grout for Masonry
- P. ASTM C1019 – Standard Test Method for Sampling and Testing Grout for Masonry
- Q. ASTM C67 – Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
- R. ASTM C494 - Standard Specification for Chemical Admixtures for Concrete.
- S. ASTM C642 - Standard Test Method for Density, Absorption, and Voids in Hardened Concrete.
- T. ASTM D2000 – Standard Classification System for Rubber Products in Automotive Applications.
- U. ASTM D4637 – EPDM Sheet Used in Single-Ply Roof Membrane.
- V. Indiana Limestone Institute.
- W. UL 618 - Standard for Concrete Masonry.

1.5 Field Sample

- A. Clean sample panel of face brick at approved location.

1.6 Mockup

- A. Construct face brick panel to 4 foot by 4 foot size, including mortar, backing, through-wall flashings, weeps and accessories specified. Location to be determined by the Architect.
- B. Obtain Architect's written approval prior to ordering brick and proceeding with the work.
- C. Remove the panel when directed by the Construction Manager.

1.7 Submittals

- A. Submit shop drawings and product data under provisions of Division 1.
 - 1. Indicate setting, bonding, anchoring, and joining of cut limestone work, including dimensions and setting numbers for each piece of stone.
 - 2. Provide full size drawing for date stone.
 - 3. Submit wall elevations showing sizes, locations, and spacing of all reinforcing in reinforced masonry.
 - 4. Submit wall elevations showing locations and spacing of all expansion joints in masonry.
 - 5. Submit product data on all mortar admixtures proposed for use.
 - 6. Submit product data from brick manufacturer for each face brick color.
 - 7. Submit product data for waterproofing product to be utilized on brick face.
- B. Submit samples under provisions of Division 1.
 - 1. Submit a minimum of four samples of each face brick color and cut stone to illustrate color, texture, and extremities of color range.
 - 2. Submit sample of mortar colors available.
- C. Mortar Mix Design: Include description of type and proportions of ingredients. Include test reports, per ASTM C780, for mortar mixes required to comply with property specification.
- D. Submit proposed mix design for grout, including description of aggregates, proportions of materials, compressive strength, anticipated slump, air content, and admixtures to the Architect for review prior to commencement of work.
 - 1. Include test reports, according to ASTM C1019, for grout mixes required to comply with compressive strength requirement.

1.8 Quality Assurance

- A. Source Limitations for Masonry Units: Obtain exposed masonry units of a uniform texture and color, or uniform blend within the ranges accepted for these characteristics, through one source from a single manufacturer for each product required.

1.9 Delivery, Storage, And Handling

- A. Deliver products to site under provisions of Division 1.
- B. Store and protect products under provision of Division 1.
- C. Deliver and store manufactured materials in original packages plainly marked with brand manufacturer's name.
- D. Materials in broken containers or in packages showing water marks or other evidence of damage will be rejected.
- E. Unload steel lintels delivered by the Structural Steel Contractor and place on substantial blocks of sufficient size and strength to prevent any metal work touching the ground after piling.
 - 1. Place each piece so that water cannot stand thereon, and so that it will not be bent, twisted, or damaged.

1.10 Environmental Requirements

- A. Do not erect masonry when ambient temperature is below 32 degrees F on a rising temperature or below 40 degrees F on a falling temperature, or when there is a probability of such condition existing within 48 hours, unless approved special provisions are made for heating the materials and protecting the work.

2 Products

2.1 Mortar And Grout Materials

- A. Portland Cement: ASTM C150, Type 1.
 - 1. Provide natural color or white cement as required to produce required mortar color. Mortar color to match existing mortar.
- B. Hydrated Lime: ASTM C207, Type S.
- C. Aggregate for Mortar: ASTM C144.
- D. Aggregate for Grout: ASTM C404.
- E. Water: Clean potable water.
- F. Admixtures: Containing no salts or calcium chloride; may be used only as approved in writing by the Architect after review of product data submittal.

2.2 Mortar Mix Proportions

- A. Mortar for Unit Masonry: Comply with ASTM C 270, Property Specification. Provide the following types of mortar for applications stated unless another type is indicated.
 - 1. For masonry below grade or in contact with earth, use Type M.
 - 2. For reinforced masonry, use Type S.
 - 3. For exterior, above-grade, load-bearing and non-load-bearing walls; for interior load-bearing walls; for interior non-load-bearing partitions; and for other applications where another type is not indicated, use Type N.

2.3 Grout Mix Proportions

- A. By Volume (Comply with Table 1, ASTM C476):
 - 1. Coarse Grout: One part portland cement, 0 to 1/10 part hydrated lime or lime putty, 2-1/4 parts fine aggregate, 1 to 2 parts coarse aggregate.
- B. Grout mixes shall be plant mix factory blended, dry mix with water added at site. Field mixed grout designs are not acceptable.
- C. ASTM C476, coarse grout with a minimum compressive strength of 2500 psi at 28 days; slump between 8 inches and 10 inches.

2.4 Damp Course And Masonry Flashing

- A. Manufacturer's standard EPDM flashing product formed from a terpolymer of ethylene-propylene diene, complying with ASTM D4637; 0.040 inch thick.

2.5 Concrete Masonry Units

- A. Lightweight Block: Haydite Block, Solite Block, or approved equal, meeting the requirements of ASTM C90; weight classification, less than 105 pounds per cubic foot; minimum net area compressive strength of 2800 pounds per square inch.
- B. Concrete Block: Normal weight concrete block meeting the requirements of ASTM C90; weight classification, more than 125 pounds per cubic foot; minimum net area compressive strength of 2800 pounds per square inch.
 - 1. Location: Below grade, exterior areas, and where indicated.
- C. Contractor's Option:
 - 1. Where 14 inch wide foundation walls are shown, the Contractor will have the option of providing a 14 inch wide block instead of the combination of 6 inch and 8 inch block.

2. Where 14 inch wide walls with cavity insulation are shown, the Contractor will have the option of providing a 14 inch wide block above the termination of the cavity wall insulation instead of the combination of 6 inch and 8 inch block.
- D. Use approved two core masonry units.
 1. Use bull nosed block at outside corners, door jambs, window jambs, etc.
 2. Provide header block, pilaster block, and other shapes where required and as approved.
- E. Masonry For Fire-Rated Construction: Conform to UL 618; manufactured with 100 percent rotary kiln produced expanded shale, clay, or slate.

2.6 Brick Units

- A. Face Brick: Vitrified fire clay or shale type face brick, ASTM C216, size as indicated on the Drawings, as approved by the Architect from required samples.
 1. Interstate Brick Company:
 - a. Color: Ash with Matte finish, modular size.
- B. Use solid brick at sills as required.

2.7 Cut Stone

- A. Cut Stone: Standard type stone, buff color, smooth planer finish, uniform in color, free from rust spots, seams, and other imperfections with washes and drips where required.
- B. Use stone in conformance with the latest standards established by the Indiana Limestone Institute.

2.8 Cleaning Agent

- A. Cleaning Agent: As appropriate, use Sure-Klean No. 600 Detergent or Vana Trol as manufactured by ProSoCo, Inc., Kansas City, Kansas; 202 New Masonry Detergent or 202V Vana-Stop as manufactured by Diedrich Technologies Inc., Oak Creek, Wisconsin; or equal as approved by the Architect and the brick manufacturer.

2.9 Waterproofing

- B. Clear Waterproofing for Face Brick and Cut Stone: White Roc W as manufactured by Sonneborn; Enviroseal Double 7 For Brick as manufactured by Hydrozo; Chem-Trete BSM-40D as manufactured by Degussa; or approved equal.

2.10 Reinforcement And Anchorages

- A. Acceptable Manufacturers:
 - 1. Dur-O-Wall Company, Baltimore, Maryland.
 - 2. Heckmann Building Products, Chicago, Illinois.
 - 3. Hohmann and Barnard, Inc., Hauppauge, New York.
 - 4. Wire-Bond, Charlotte, North Carolina.
- B. Single Wythe Walls: 9 gage, galvanized, two wire, ladder type horizontal wall reinforcement.
- C. Multi-Wythe Walls: 9 gage, galvanized, three wire, ladder type horizontal wall reinforcement.
- D. Anchors and Ties:
 - 1. Dovetail-Type Anchors or Wire Ties: Galvanized for use in embedded slots or inserts, not less than 16 gage for anchors, and not less than 9 gage for wire ties.
 - 2. Reinforcing Steel Bars and Rods: ASTM A615, Grade 60, deformed bars, uncoated finish.
 - 3. Brick Veneer Wall Ties: Type DW-10X, 14 gage stainless steel anchors with 3 inches stainless steel Vee type ties as manufactured by Hohmann and Barnard, Inc.; stainless steel fasteners.
 - a. If using optional insulation specified in this Section, provide Heckmann Pos-I-Tie anchors and ties.
- E. Anchoring Devices Between Masonry and Steel:
 - 1. Straps: Minimum 14 gage.
 - 2. Bars and Rods: Minimum 1/4 inch diameter.
 - 3. Weld-On Anchors: Continuous where possible; minimum formed 12 gage galvanized steel straps or formed 1/4 inch plain steel rods with 3/8 inch offsets; and 4 inch adjustment for ties.
 - 4. Flexible Anchors:
 - a. Web Ties or Beam Ties: Type that provides only vertical movement; installed parallel to masonry walls that abut steel columns.
 - 1) ASTM A82; 3/16 inch galvanized steel wire, 12 inches long with width approximately 2 inches less than nominal wall thickness.
 - a) Blunt ends when used as strap anchors; tapered ends when used with rod anchors.

- b. Triangular Ties: Type that permits both vertical and horizontal movement; installed where masonry by-passes steel columns and where masonry is parallel and adjacent to steel beams and joists.
 - 1) ASTM A82; 3/16 inch galvanized steel wire, lengths as required to extend to within 5/8 inch of opposite face of masonry; one inch wide closed end, 1/2 inch wide split end opening.
- c. Acceptable Products:
 - 1) Heckmann:
 - a) Weld On Anchors with Web Ties: 315 or 317 anchors with 318 ties.
 - b) Weld On Anchors with Triangular Ties: 315-B or 317-B anchors with 316 ties.
 - 2) Hohmann & Barnard:
 - a) Weld On Anchors with Web Ties: 359 or 359-C anchors with 301W ties.
 - b) Weld On Anchors with Triangular Ties: 359F or 359F-C anchors with 302W ties.
- F. Finishes: As follows, unless specified otherwise.
 - 1. Joint Reinforcement in Interior Walls: ASTM A641, Class 1.
 - 2. Joint Reinforcement, Wire Ties, or Anchors in Exterior Walls or in Interior Walls Exposed to Moist Environment: ASTM A153, Class B2.
 - 3. Sheet Metal Ties or Anchors in Completely Embedded in Mortar or Grout: ASTM A653, Class G60.
 - 4. Sheet Metal Ties or Anchors in Exterior Walls or in Interior Walls Exposed to Moist Environment: ASTM A153, Class B2.

2.11 Lintels

- A. Masonry Lintels: Prefabricated or built-in-place masonry lintels made from bond beam concrete masonry units with reinforcing bars placed as indicated on Drawings and filled with course grout.

2.12 Insulation and Air Barrier System

- A. Cavity Wall Insulation and Air Barrier System: ASTM C578, Type IV, extruded polystyrene with carbon black technology for increased R-Value with ship lap edges and butyl-rubber self adhesive membrane at all joints. Tape ALL joints using insulation manufacturer's approved tape.
 - 1. Product: Dow Chemical Company; Styrofoam Cavitymate Ultra SL or Owens-Corning; High-R CW Plus.

2. Air Barrier System: Pass ASTM E283, ASTM E2357, and ABAA approval.
3. Minimum Aged R-Value for Thickness Indicated:
 - a. R-12 at CMU and Metal Stud back up.
4. Thickness: 2 1/8" for R-12.
5. Provide required products to pass air barrier testing.

2.13 Accessories

- A. Cavity Wall Vents:
 1. For Use in Face Brick: Injection molded PVC, T-shaped, Williams-Goodco Brick Vent as manufactured by Williams Products, Inc., Troy, Michigan; #343 louvered weep hole as manufactured by Hohmann and Barnard, Inc., Hauppauge, New York.
 2. For Use in Concrete Block: Polypropylene, Quadro-Vent, as manufactured by Hohmann and Barnard, Inc., Hauppauge, New York.
- B. Weep Holes: Polyethylene plastic tubes, 3/8 inch in diameter, 4 inches long.
- C. Cavity Drainage Material: Free-draining mesh, made from polymer strands that will not degrade within the wall cavity.
 1. Provide strips full-depth of cavity and 10 inches high designed to prevent mesh from being clogged with mortar droppings.
 2. Products:
 - a. Advanced Building Products, Inc.; Mortar Break.
 - b. Archovations, Inc.; CavClear Masonry Mat.
 - c. Dayton Superior Corporation; Polytite Mortarstop.
 - d. Mortar Net USA, LTD.; Mortar Net.
- D. Preformed Control Joint Gaskets: ASTM D2000, styrene-butadiene rubber compound, designed to fit standard sash block and to maintain lateral stability.
- E. Masonry Caging Devices: #9 hard wire, spot welded and galvanized.

3 Execution

3.1 Preparation

- A. Supply metal anchors to Section 03 30 00 for placement.
- B. Direct correct placement.

- C. Verify items provided by other Sections of work are properly sized and located.
- D. Establish lines, levels, and coursing; protect from disturbance.
- E. Provide temporary bracing during erection of masonry work.
 - 1. Maintain in place until building structure provides permanent bracing.
- F. Dampen units with absorption rate greater than 12 percent before laying.
- G. Clean stone prior to erection, leaving edges and surfaces free of dirt or foreign material.
 - 1. Do not use wire brushes or implements which mark or damage exposed surfaces.
- H. The General Contractor will clean dirt from the top of concrete footings and concrete foundation walls prior to laying any block.

3.2 Coursing

- A. Place masonry to lines and levels indicated.
- B. Maintain masonry courses to uniform width.
- C. Make vertical and horizontal joints equal and of uniform thickness.
- D. Lay concrete masonry units in running bond.
 - 1. Stack bond to be used at existing CMU walls that are being patched or in filled with new CMU. Remove existing CMU unit back to full size CMU unit and match coursing of existing wall construction.
- E. Course one block unit and one mortar joint to equal 8 inches.
- F. Form mortar joints of approximately 3/8 inch.
- G. Lay Modular and Utility brick in running bond.
- H. Course two brick units and two mortar joints to equal 8 inches for Utility size.
- I. Course three brick units and three mortar joints to equal 8 inches for Modular size.
- J. Minimum size for cut brick is 3 inches.
 - 1. Use a brick saw for all cuts.
- K. Form concave mortar joints.
- L. Lay cut stone with uniform joint widths of 1/4 inch in exterior and interior locations.
 - 1. Rake mortar joints 3/4 inch and fill with polyurethane sealant.

2. After completion of finish work, point with a concave joint as approved.

3.3 Placing And Bonding

A. General:

1. Erect masonry backing and facing materials simultaneously.
2. Fully bond intersections, and external and internal corners.
3. Do not shift or tap masonry units after mortar has taken initial set.
 - a. Where adjustment must be made, remove mortar and replace.
4. Remove excess mortar.
5. Perform jobsite cutting with proper tools to provide straight unchipped edges.
6. Take care to prevent breaking masonry unit corners or edges.
7. Install through wall flashings using longest practical length and seal watertight to back-up.
 - a. Use supplier's recommended procedure.
8. Keep the area around steel columns, joists, trusses, and beams free from mortar.
9. Wrap steel columns encased in masonry, except columns to receive spray fireproofing, with 1/4 inch thick microfoam insulating blankets to keep the mortar away from the steel frame work and permit normal movement of the steel to eliminate cracking within the various type walls.
10. Isolate masonry partitions from vertical structural framing members with a expansion joint as indicated.
11. At bearing points, fill the cores of block solid with grout for three courses in depth as approved, unless shown otherwise.

B. Block:

1. Lay block with full buttered ends and shove to a bearing on a bed of mortar.
 - a. Provide full mortar bedding, including face shells and unit webs, at the following locations.
 - 1) For laying the first or starting course on footings or foundations.
 - 2) For laying solid units such as concrete brick and solid block.
 - 3) For laying columns, piers, and pilasters that will carry heavy loads.

- 4) Fully mortar webs around each grouted core in reinforced masonry and where vertical cores are to be solidly grouted.
 - b. Provide face shell bedding at all other locations.
 - c. Apply mortar to face shell ends of block at head joints.
 - d. All head and bed joints shall be tooled to a uniform, smooth, neat appearance acceptable to Owner's Representative. All head and bed joints shall be free of all "eyelids", rough edges, holes, un-filled areas, etc...."
2. Bond and tooth block walls into adjoining walls every other course with cuts not less than 6 inches.
 3. Extend partition walls and masonry around columns to the floor or roof deck above, unless shown otherwise on the Drawings.
 4. Fill voids, between the top of wall and floor or roof deck with unfaced blanket insulation.
 5. Rod bed and head joints for all block, including foundation walls.
 6. Fur as required.
 7. Minimum size for cut block is 6 inches.
 8. Use a masonry saw for all cuts.
 9. Form flush joints at locations where fabric wall covering and carpet and special wall fabric are installed on new masonry walls.
 10. Step back unfinished work for joining the new work.
- C. Cut Stone:
1. Erect stone in accordance with stone supplier's instructions.
 2. Arrange stone pattern to provide consistent joint work throughout.
 3. Place setting buttons in full mortar setting bed to support stone and establish joint dimension.
 4. Fill dowel, lewis, and lifting holes with mortar.
- D. Brick:
1. Thoroughly wet brick before laying, except in cool weather.
 2. Fill openings between brick with mortar, each course, except where shown otherwise on Drawings and where approved otherwise.
 3. Mark plumb lines on brick walls every 4 feet and adjust the bond accordingly by selecting or cutting brick as approved.

4. Rod bed and head joints for all brick.
5. All head and bed joints shall be tooled to a uniform, smooth, neat appearance acceptable to Owner's Representative. All head and bed joints shall be free of all "eyelids", rough edges, holes, un-filled areas, etc...."

3.4 Reinforced Masonry

- A. Lay masonry with core cells vertically aligned clear of mortar and unobstructed.
- B. Place mortar in masonry unit with bed joints 1/4 inch from edge of unit grout spaces, bevel back and upward.
- C. Reinforce masonry unit cores with reinforcement bars and grout as indicated.
- D. Retain vertical reinforcement in position at top and bottom of cells and at intervals indicated in the drawings but not less than 48 inches on-center.
- E. Splice reinforcement in accordance with the drawings.
- F. Wet masonry unit surfaces in contact with grout just prior to grout placement as required for proper curing.
- G. When grouting is stopped for more than one hour, terminate grout 1 1/2 inches below top of upper masonry unit to form a positive key for subsequent grout placement.
- H. Low Lift Grouting: Place first lift of grout to a height of 16 inches and rod for grout consolidation.
 1. Place subsequent lifts in 8 inches increments and rod for grout consolidation.

3.5 Cavity Wall and Weep Holes

- A. Do not let mortar fall into cavity air space or plug weep holes; clean out promptly.
- B. Install cavity vents in veneer at 48 inches on center horizontally at floor level or damp course, and above through-wall flashing.
 1. Verify locations of cavity wall vents and weep holes with Architect's Field Representative prior to installation.
- C. Install cavity vents at top of cavity space at same spacing.
- D. Insulation and Air Barrier System: Install cavity wall insulation in accordance with insulation manufacturer's requirements and as indicated in this Section.
 1. Seal around all projections for a complete insulated and sealed system.

3.6 Tolerances

- A. Alignment of Columns and Pilasters: Maximum 1/4 inch from true line.
- B. Variation from Unit to Adjacent Unit: 1/32 inch maximum.
- C. Variation from Plane of Wall: 1/4 inch in 10 feet and 3/16 inch in 20 feet or more.
- D. Variation from Plumb: 1/4 inch per story noncumulative; 1/2 inch in two stories or more.
- E. Variation from Level Coursing: 1/16 inch in 3 feet; 1/8 inch in 10' feet; 1/4 inch maximum.
- F. Variation of Joint Thickness: 1/8 inch in 3 feet.
- G. Maximum Variation from Cross Sectional Thickness of Walls: Plus or minus 1/8 inch.

3.7 Reinforcement And Anchorages

- A. Install continuous horizontal joint reinforcement at 16 inches on center vertically, except provide at 8 inches on center vertically at all joints below grade.
- B. Place masonry joint reinforcement in first horizontal joints above and below openings.
 - 1. Extend 16 inches minimum each side of opening.
- C. Place joint reinforcement continuous in first joint below top of walls.
- D. Lap joint reinforcement ends minimum 6 inches.
- E. Lap joint reinforcement at corners.
- F. Position ties between wythes over block webs at 16 inches on center horizontally and vertically, alternating in courses with horizontal wall reinforcement.
- G. Place reinforcing bars supported and secured against displacement with caging devices and centering clips.
 - 1. Space vertically such that every section of vertical reinforcing steel bar is restrained by 2 clips or devices, one near the top and one near its bottom.
 - 2. Locate placement of horizontal reinforcing steel bars for bond beams and masonry lintels within the bottom one-third of the gross beam depth, at a minimum.

- H. Verify that anchorages embedded in concrete or attached to structural steel members are properly placed.
 - 1. Embed anchorages in every second joint.
- I. Anchoring Devices Between Masonry and Steel:
 - 1. Rigid Anchors: Where masonry is to be rigidly anchored to structural steel beams, provide galvanized steel straps, bars, or rods welded to the steel beam and extending into the mortar joint.
 - 2. Flexible Anchors: Where masonry is to be laterally supported from structural steel, while permitting only vertical movement or both vertical or horizontal movement, provide flexible anchors consisting of two different components.
- J. Provide brick veneer wall ties at 16 inches on center horizontally and vertically, fastened through sheathing into steel studs with stainless steel screws.
 - 1. Place at maximum 8 inches on center each way around perimeter of openings and at all edges, within 12 inches of openings and edges.

3.8 Masonry Flashings

- A. Brick/CMU Construction: Extend flashings through veneer, turn up minimum 8 inches and bed into mortar joints of masonry back-up.
- B. Brick/Sheathing and Steel Stud Construction: Extend flashings through veneer, turn up minimum 8 inches and seal to sheathing over steel stud framed back-up.
- C. Lap end joints minimum 6 inches and seal watertight.
- D. Provide sealed end dams where end of flashing is terminated.
- E. Use flashing manufacturer's recommended adhesive.
- F. Place the damp course on the top of foundation walls, set in an approved adhesive.
- G. Installation of all flashings are to be inspected by Owner's Representative prior to covering.

3.9 Lintels

- A. Install loose steel lintels as scheduled.
 - 1. All exterior loose steel lintels shall be galvanized and painted with High Performance Paint.
- B. Masonry Lintels: Provide masonry lintels where shown and wherever openings of more than 8 inches for brick size units and 16 inches for block size units are shown without structural steel or other supporting lintels.

1. Temporarily support formed-in-place lintels.
2. Match bond pattern of adjacent walls unless noted otherwise.

3.10 Grouted Components

- A. Reinforce bond beams with minimum of two No. 5 bars, 1 inch from bottom web, unless shown or noted otherwise on Drawings.
- B. Reinforce pilaster with No. 6 bars.
- C. Lap splices minimum 48 bar diameters or 24 inches.
- D. Place and consolidate grout fill without disturbing reinforcing.
- E. Fill cores of block with grout with a minimum compressive strength of 2,500 psi at 28 days as required.
- F. At bearing points, fill masonry cores with grout minimum 12 inches from opening.
- G. Grout in all structural anchors as masonry work is installed.

3.11 Expansion Joints

- A. Do not continue horizontal joint reinforcing across expansion joints.
 1. Extend reinforcing bars in bond beams continuously through expansion joints and sleeve for bond break 18 Inches each side of joint.
- B. Install resilient prefabricated shear key in masonry expansion joint in continuous lengths.
 1. Weld butt and corner joints in accordance with manufacturer's instructions.
- C. Provide backer rod and sealant at all expansion joints in masonry.
 1. Provide materials and size joints in accordance with Section 07 90 00.
- D. Locations in Concrete Masonry Unit Construction: Where indicated on the Drawings and as follows.
 1. At intervals not more than 24 feet on center.
 2. Within 4 feet of a corner in one direction and at intervals not more than 30 feet on center for face brick units.
 3. At all offsets, returns, openings, and intersections with dissimilar materials.
 4. At change from wall setting on foundation wall to wall setting on floor slab.
 5. At change from exterior wall to interior wall.

6. At walls setting on floors that cross floor construction expansion joints.
7. At columns within masonry walls.
8. At changes in wall thickness.
9. At end of lintel bearing on one end of openings less than or equal to 6'-4" and at both ends of openings greater than 6'-4".

3.12 Built-In Work

- A. As work progresses, build-in metal door frames, fabricated metal frames, window frames, anchor bolts, plates, and other items to be built in the work, supplied by other Sections.
- B. Build-in items plumb and level.
- C. Bed anchors of metal door and glazed frames in mortar joints.
 1. Fill frame voids solid with grout.
 2. Fill masonry cores with grout minimum 12 inches from framed openings.
- D. Do not build-in organic materials subject to deterioration.
- E. Install the clean-out doors and frames for flues, to be located as approved.
- F. Install flashing at window sash, louvers, and exterior doors in masonry walls.

3.13 Cutting And Fitting

- A. Cut and fit for chases, conduit, sleeves, ductwork, and grounds.
 1. Coordinate with other Sections of work to provide correct size, shape, and location.
- B. Obtain approval prior to cutting or fitting any area not indicated or where appearance or strength of masonry work may be impaired.

3.14 Pointing And Cleaning

- A. Remove excess mortar and smears.
- B. Replace defective mortar. Match adjacent work.
 1. Cut out and point any joints that have the finish surface burned off or damaged.
 2. If corrective pointing of new face brick is required, clean and waterproof the entire area of exterior walls in question, until a stopping point in the building has been reached, with clear waterproofing as approved.

- C. After pointing and after masonry has been in place a minimum of 60 days, unless written approval is received from the Architect wet and clean all exposed masonry surfaces.
 - 1. Clean face brick with cleaning agent as recommended by the manufacturer.
 - a. Leave surfaces free of mortar daubs and with tight mortar joints.
 - b. Immediately after cleaning, rinse brick surfaces with clean water.
 - c. Use non-metallic tools in cleaning face brick.
- D. Use pieces of block or metal lath to hone down and clean blockwork.
 - 1. Leave interior block walls in a suitable condition to receive the wall finish.
- E. Cut Stone: After installation clean the exposed face of cut stone and waterproof with clear waterproofing.
 - 1. Protect adjacent surfaces, including roof surfaces, from overspray of water repellent.

3.15 Protection

- A. Protect finished installation under provisions of Division 1.
- B. Maintain protective boards at exposed external corners which may be damaged by construction activities.
- C. Provide protection without damaging completed work.
- D. At day's end, cover unfinished walls to prevent moisture infiltration.
- E. At all masonry located at grade, provide means and methods necessary required to keep masonry from becoming stained or splattered with dirt, mud, debris, etc...

3.16 Additional Work

- A. Opening Repair: Remove and reinstall additional masonry at openings cut by other trades as required for the installation of the steel lintels.
- B. Cutting New Openings: Cut new openings in existing masonry walls where new door, window, louver, or other frame is to be installed.
 - 1. Patch and repair the existing masonry to match adjacent masonry.

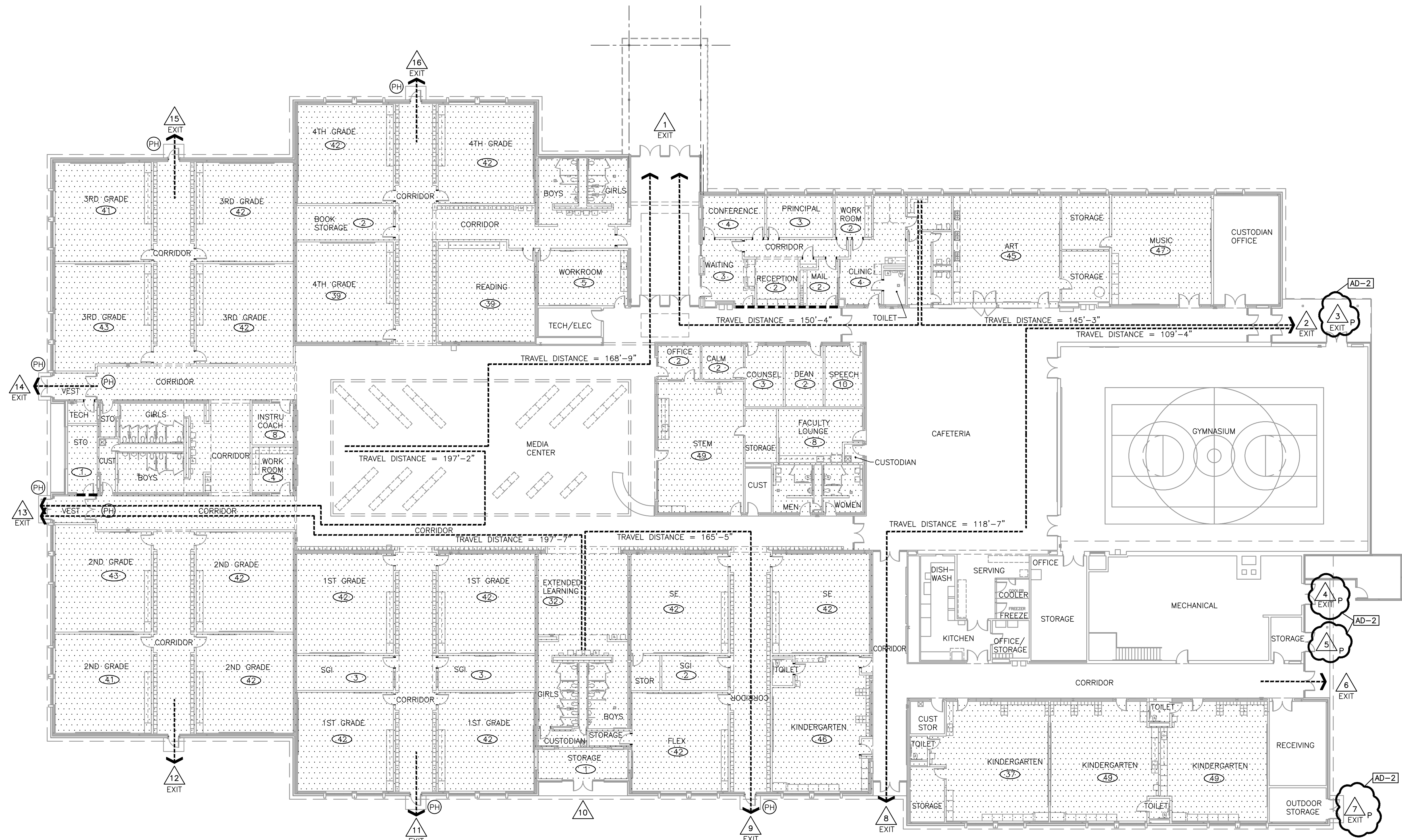
END OF SECTION

Wednesday, 1/18/2023 - 4:02 PM - LAST SAVED BY:GRUBER
Y:\21-136 DUNELAND SC - BRUMMITT ES ADDITIONS AND
RENOVATIONS\21-136 DRAWINGS\02 GENR\G-201.DWG

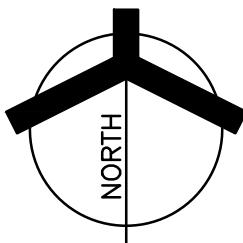
ROOM OCCUPANT LOADS		
AC	ASSEMBLY CHAIRS ONLY - NOT FIXED	7 S.F. NET
AT	ASSEMBLY WITH TABLE AND CHAIRS	15 S.F. NET
AS	ASSEMBLY STANDING SPACE	5 S.F. NET
AF	ASSEMBLY (WITH FIXED SPECTATOR SEATING)	ACTUAL
LB	LIBRARY (READING ROOM)	50 S.F. NET
BU	BUSINESS AREA	100 S.F. GROSS
LR	LOCKER ROOMS	50 S.F. GROSS
ER	EXERCISE ROOMS	50 S.F. GROSS
EC	EDUCATIONAL CLASSROOM	20 S.F. NET
ST	STORAGE	300 S.F. GROSS
KT	KITCHEN (CONCESSIONS)	200 S.F. GROSS
UT	UTILITY (MECH/ELEC/TECH)	300 S.F. GROSS
PL	PLATFORM	15 S.F. NET
(E) - OCCUPANT TYPE		

LIFE SAFETY GENERAL NOTE:	
LIFE SAFETY INFORMATION IS PROVIDED FOR USE BY ALL CONTRACTORS. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH CODE REQUIREMENTS (INCLUDING BUT NOT LIMITED TO: RATED ASSEMBLIES, FIRE PROTECTION, FIRESTOPPING, DAMPERS, AND HARDWARE) INDICATED INCLUDING CONDITIONS WHERE THESE REQUIREMENTS ARE NOT DETAILED. REPORT CONFLICTS OR DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.	
Applicable Code:	2014 Indiana Building Code (IBC 2012)
Occupancy Classifications:	Educational use areas for elementary school students - E Occupancy [305.1] Assembly uses accessory to an E Occupancy are not considered separate occupancies [303.1.3] Administrative offices - accessory occupancy - B Occupancy [304.1, 508.2]
Scope of Project:	The project scope includes the following renovations to the existing building, constructed in 1969: • Automatic sprinkler protection will be provided throughout the existing building • Open classroom pods will be revised to make enclosed classrooms with corridors • Existing rest rooms will have updated finishes and have reversed entrances provided • Reconfigure existing administration and clinic area • Reconfigure central core area to create larger STEM room and additional small offices • Minor finish updates in other areas of the building
Applicability of Codes to the Project:	Alterations are permitted to an existing building without requiring the entire existing building or portions of the existing building unaffected by the proposed scope of renovation to be brought into compliance with current codes. The scope of construction within the alteration is required to comply with current codes. [Rule 4, Section 12(b), GAR]
Construction Type:	Type IIB (combustible, unprotected) Construction existing throughout
Occupancy Separations:	Occupancy separations not required, based upon classification of assembly uses accessory to an educational occupancy as E Occupancy areas. [303.1.3] Administrative offices less than 10% of the floor and less than the tabular area - not required to be separated [508.2]
Incidental Use Separations:	None applicable to this project [Table 509.2]
Egress Corridors:	Corridors is permitted to be of nonrated construction, based upon sprinkler protection. [Table 1018.1]
Means of Egress:	2 means of egress are required from rooms with a calculated occupant load of 50 or more, or where exceeding 75 feet common path of travel in E Occupancy spaces and 100 feet in B Occupancy spaces [1015.1]
Exit Access Travel Distance:	The maximum travel distance to an exterior exit is permitted to be a maximum of 250 feet [1016.1]
Panic Hardware:	Panic hardware is required on all means of egress doors serving an occupant load of 50 or more [1008.1.10]
Automatic Sprinklers:	Automatic sprinklers will be provided throughout the existing building
Fire Alarm System:	Fire alarm system is existing throughout - devices will be added as necessary to the renovated areas

PLUMBING FIXTURE COUNT									
USER GROUP	NUMBER OF USERS	USER PER GENDER	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS		SERVICE SINKS
			REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
ADMIN TEACHERS STAFF	50	M 25 F 25	1	2 WC 1 UR	1	3	6	13	1
KINDERGARTEN	100	M 50 F 50	2	4 WC	2	4			4
1-4 GRADE STUDENTS	400	M 200 F 200	4	8 WC 8 UR	4	6			
CLINIC	SAME STUDENTS			2		2			
NOTES: ACTUAL USER OCCUPANT LOAD (FOR PLUMBING FIXTURE CALCULATIONS) SECTION 2902.1.1 INDIANA AMENDMENT									



FIRST FLOOR LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"



LIFE SAFETY PLAN LEGEND

DOORS WITH PANIC HARDWARE	(PH)
MAJOR EGRESS ROUTES	----->
2 HOUR CONSTRUCTION	-----
1 HOUR CONSTRUCTION	-----
MAXIMUM OCCUPANT LOAD OF ROOM	(200)
BUILDING DOOR NUMBER - VINYL. VERIFY NUMBERING WITH OWNER PRIOR TO FABRICATION	(00)
BUILDING DOOR NUMBER - PLATE. VERIFY NUMBERING WITH OWNER PRIOR TO FABRICATION	(00) P
SHADED AREA INDICATES AREAS OF RENOVATION	-----

SQUARE FOOTAGE ANALYSIS

EXISTING FIRST FLOOR AREA	1	70,402 SQ. FT.
TOTAL RENOVATION		41,043 SQ. FT.

YEARS BUILT

AREA	1	1969
------	---	------



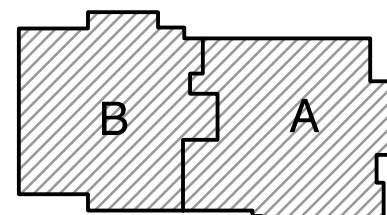
GIBRALTAR
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**BRUMMITT
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

21-136

DATE

11/30/22

COORDINATED BY

JMG

DRAWN BY

JMG

CHECKED BY

DJW

COPYRIGHT NOTICE:

THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	01/18/23	ADDENDUM NO. 2

DRAWING

**FIRST FLOOR LIFE SAFETY
PLAN**

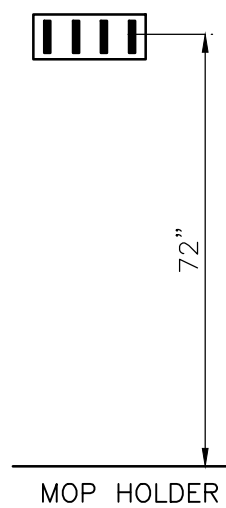
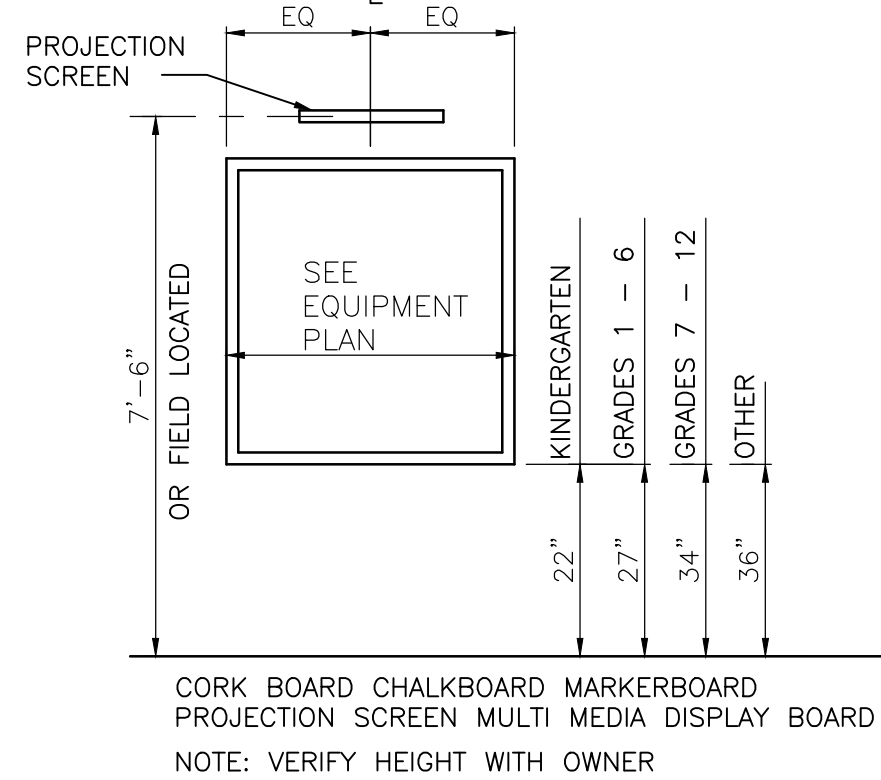
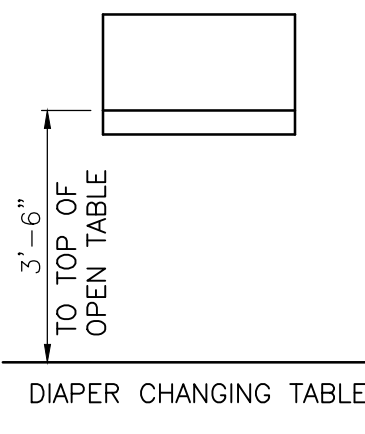
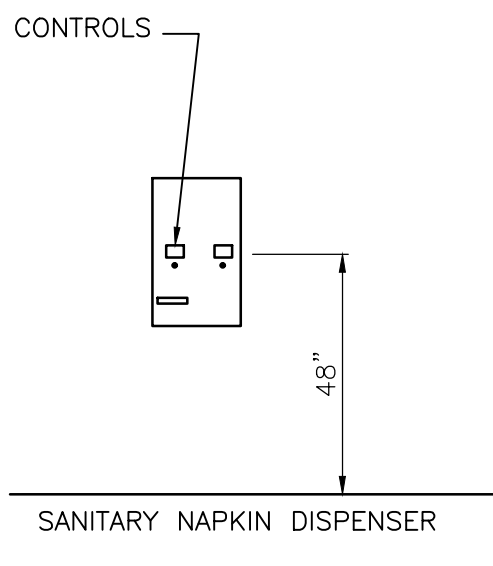
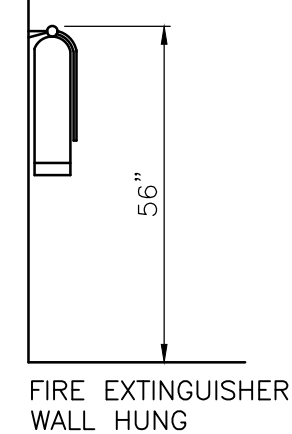
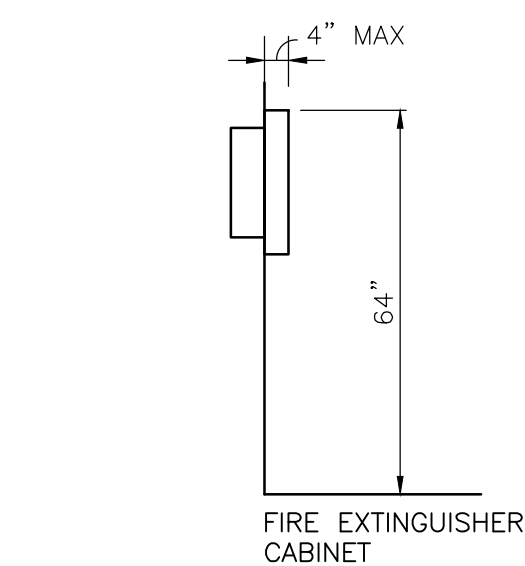
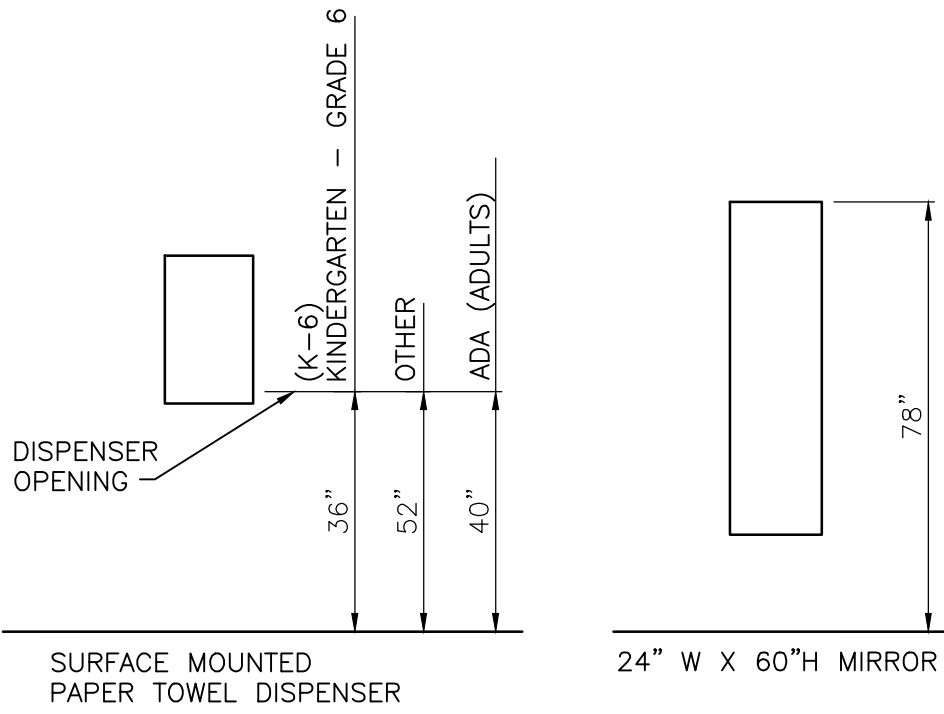
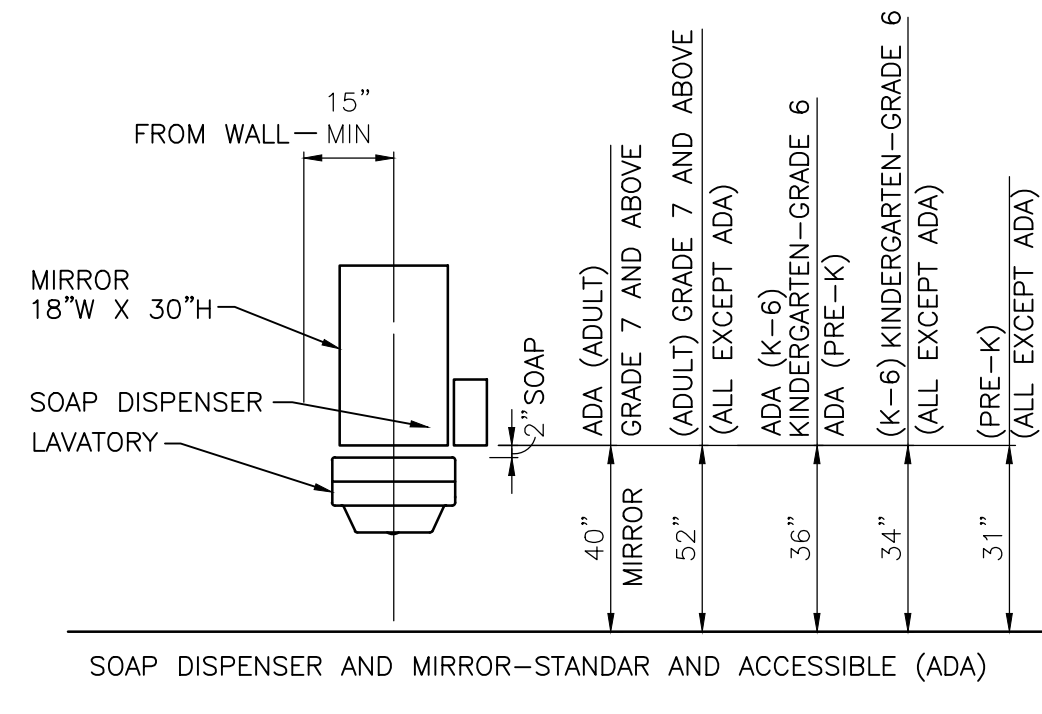
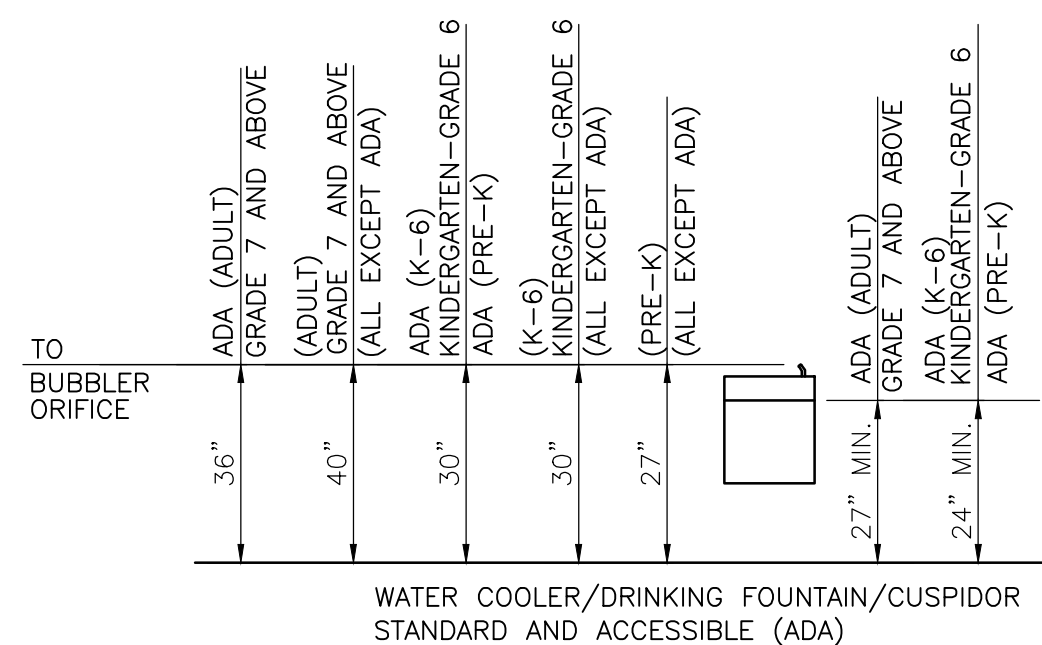
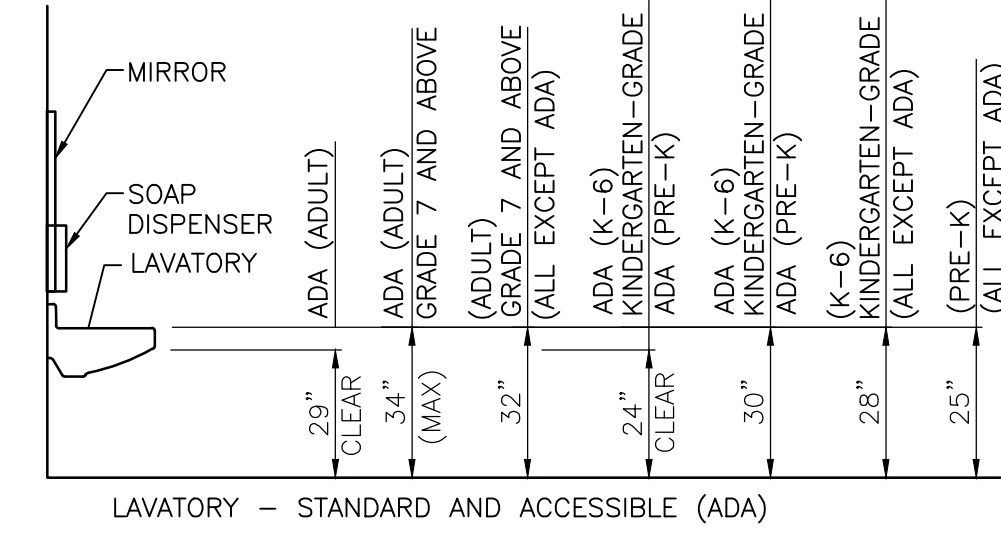
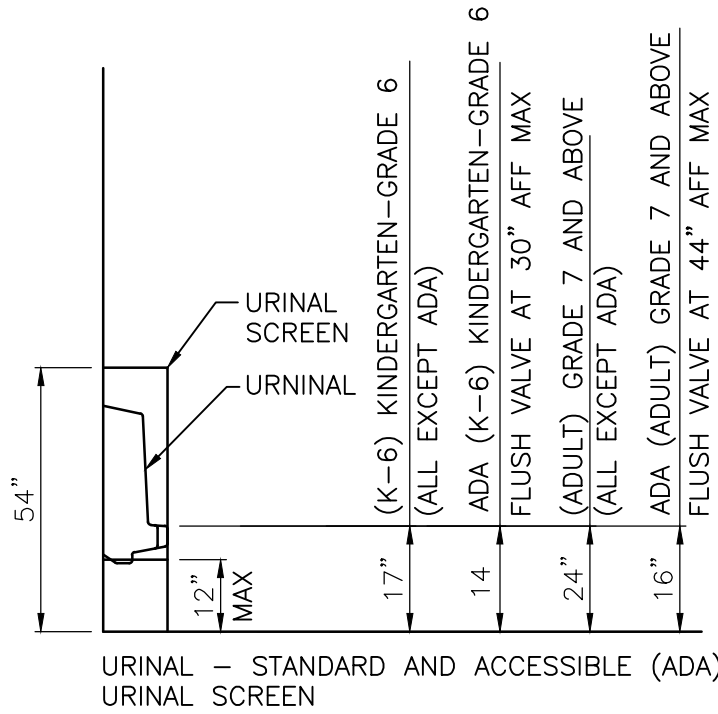
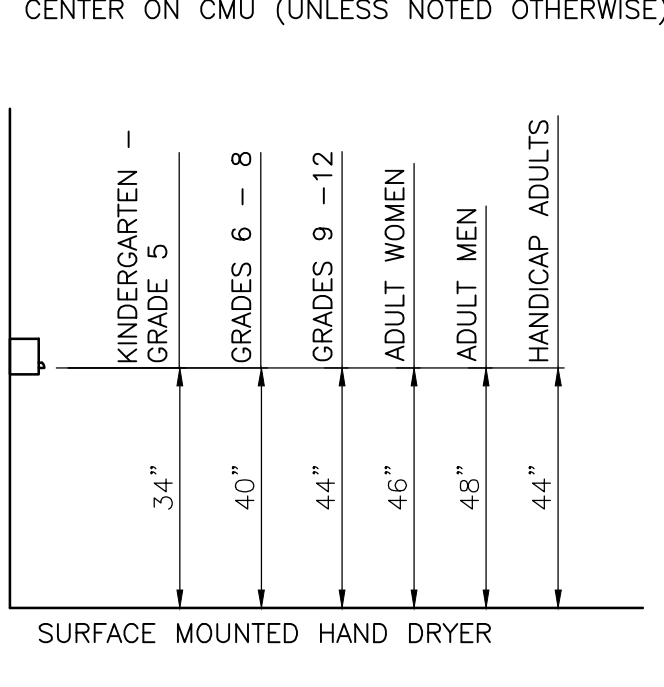
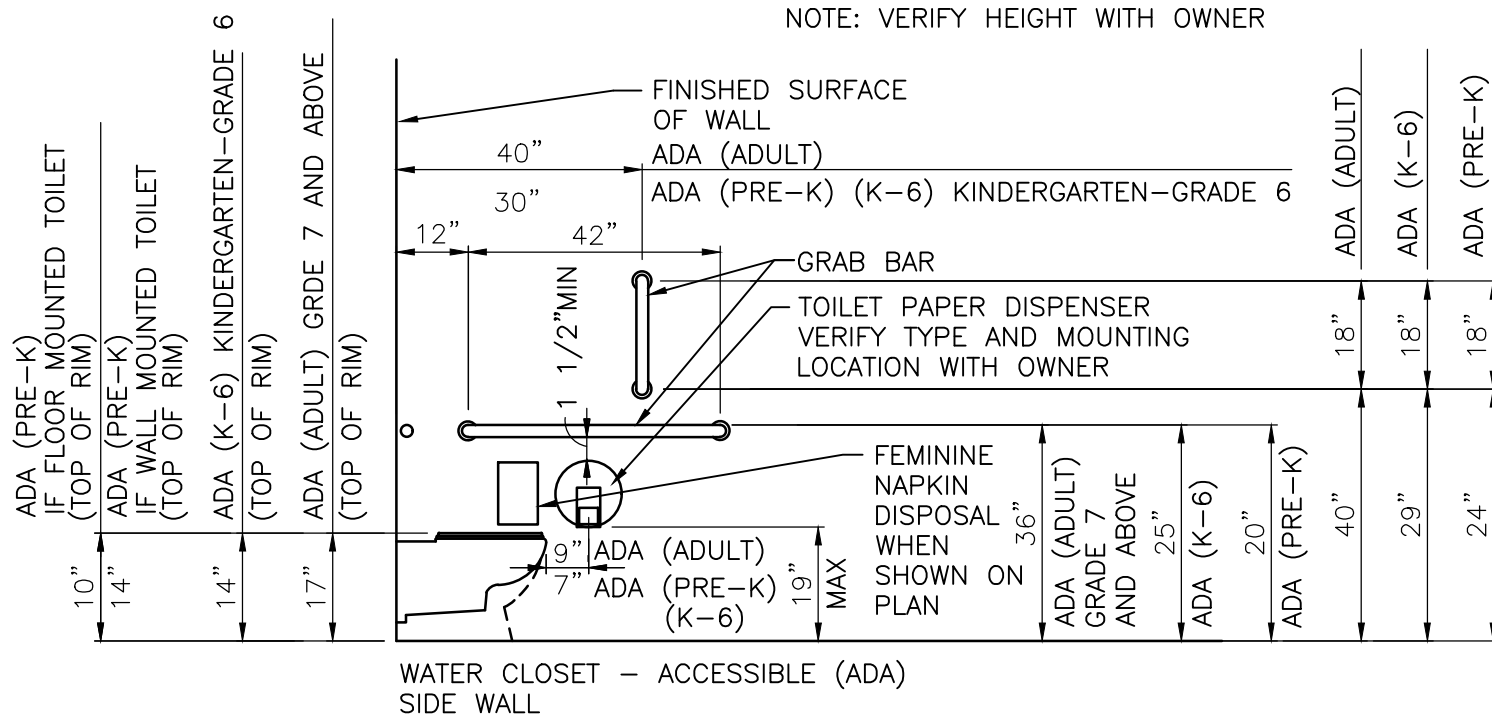
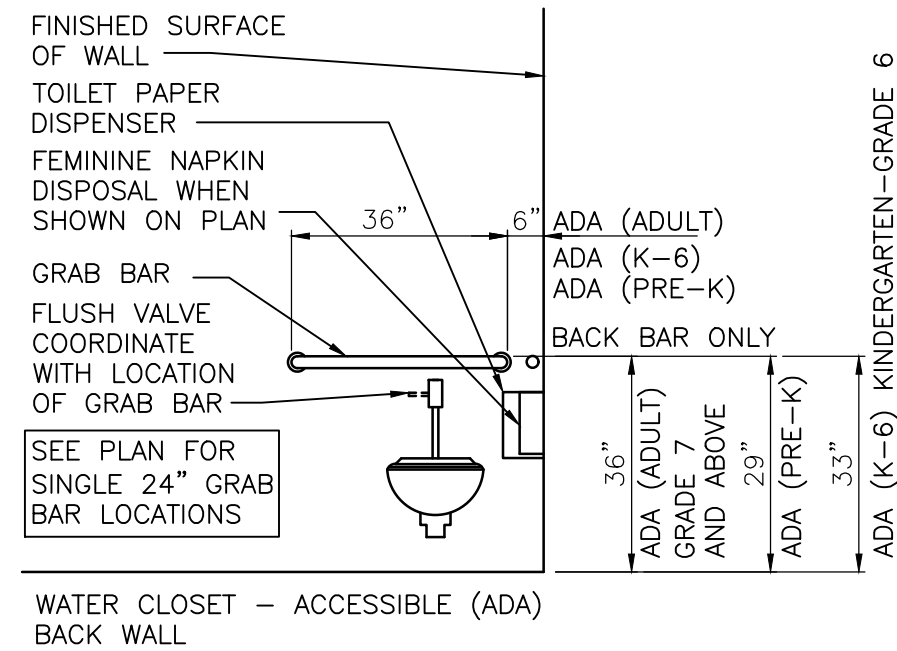
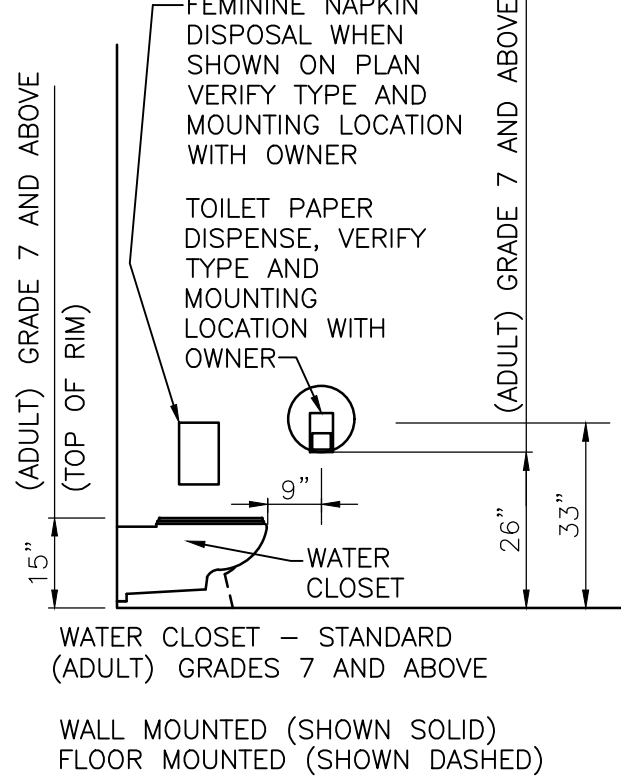
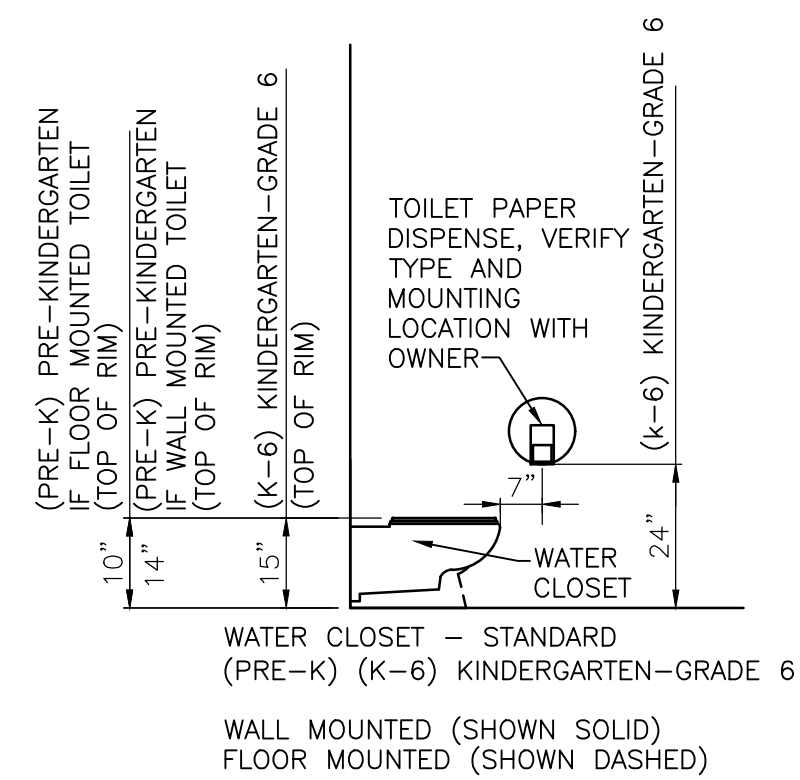
PROJECT

BRUMMITT ES - RENOVATIONS

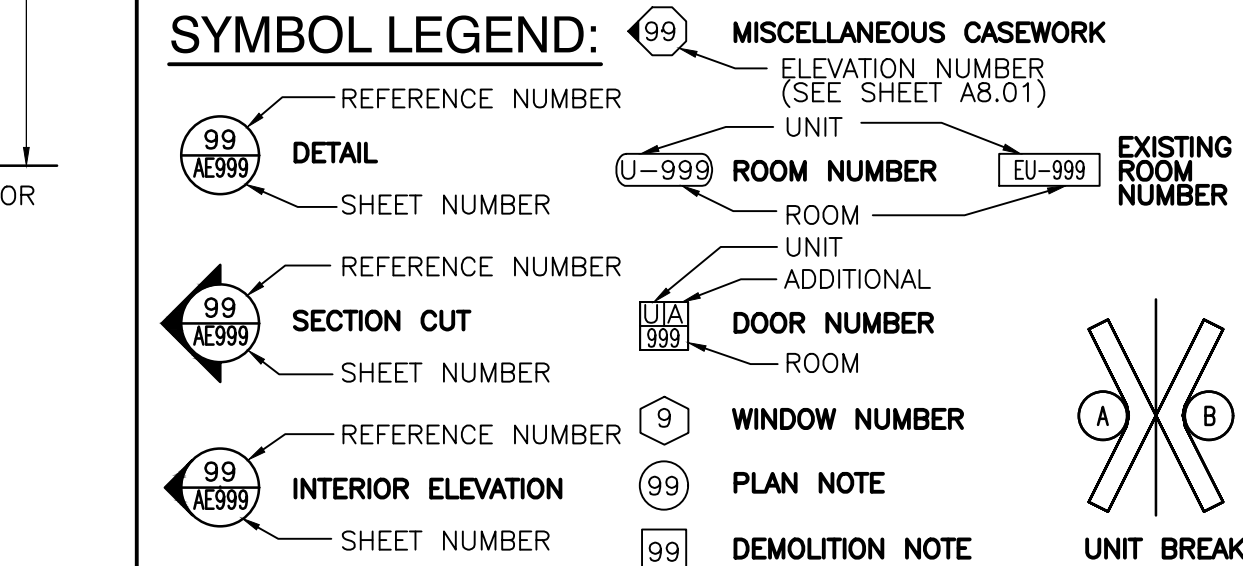
© GIBRALTAR DESIGN

SHEET

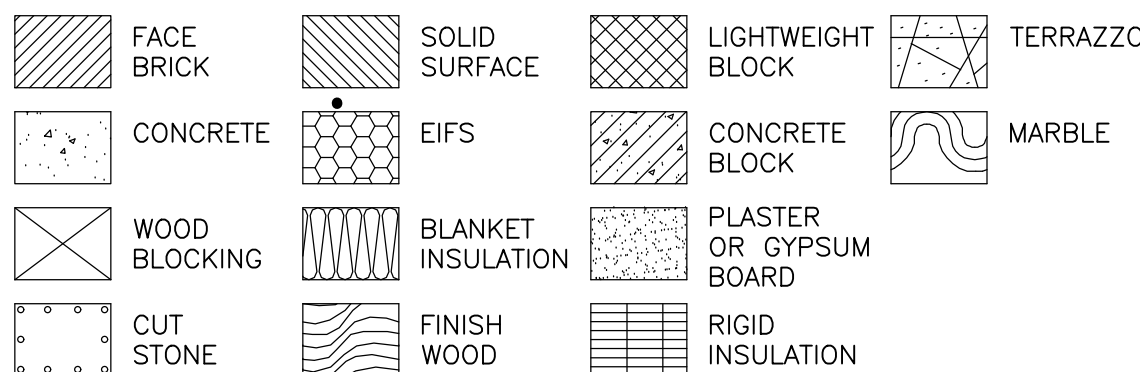
G-201



MOUNTING HEIGHTS:
NOT TO SCALE



MATERIAL INDICATIONS:
IN GENERAL, THE MATERIAL INDICATIONS SHOWN BELOW ARE TYPICAL. HOWEVER, ALL MATERIAL INDICATIONS PRESENTED HERE MAY NOT BE USED ON THIS PARTICULAR PROJECT. THESE SYMBOLS TYPICALLY INDICATE THE MATERIALS WHEN SECTIONED THROUGH ON PLANS, DETAILS AND WALL SECTIONS.



LINE SYMBOLOGY:

IN GENERAL, THE FOLLOWING LINE SYMBOLOGY CONVENTIONS APPLY TO THE ENTIRE SET OF DRAWINGS FOR THIS PROJECT, EXISTING, AND DEMOLITION SYMBOLS APPLY TO ADDITION AND RENOVATION PROJECTS ONLY.

EXISTING WALL TO BE REMOVED
NEW SOUNDPROOF WALL
NEW STUD WALL
NEW CMU WALL

PLAN EXAMPLES:

ARCHITECTURAL ABBREVIATIONS:

THE ARCHITECTURAL ABBREVIATIONS LISTED BELOW ARE TYPICAL. HOWEVER, ALL ABBREVIATIONS PRESENTED HERE HAVE NOT BEEN USED ON THIS PARTICULAR PROJECT. SEE ROOM FINISH SCHEDULE LEGENDS FOR ADDITIONAL ABBREVIATIONS USED ONLY ON THE ROOM FINISH SCHEDULE.

AC	ACoustical	GA	GAGE	RB	RUBBER BASE
AFF	ABOVE FINISHED	GALV	GALVANIZED	ROOF	ROOF DRAIN
ALUM	ALUMINUM	GTF	GYPSON	REIN	REINFORCING, OR
ALT	ALTERNATE	HM	HOLLOW METAL	REIN	REINFORCEMENT
AND	AND/OR	HORIZ	HORIZONTAL	REIL	REINFORCED
ARCH	ARCHITECTURAL	ID	INSIDE DIAMETER	REIN	REINFORCED
BD	BOARD	INSUL	INSULATED, OR	REIN	REINFORCED
BLK	BLOCK	INT	INTERIOR	REIN	REINFORCED
BLKHD	BULKHEAD	JAN	JANITOR	REIN	REINFORCED
CAB	CABINET	JAN	JANITOR	REIN	REINFORCED
CEM	CEMENT	KCP	KEENE'S CEMENT	REIN	REINFORCED
CFOI	CONTRACTOR FURNISHED	LAV	LAVATORY	REIN	REINFORCED
CL	CEILING	LWT	LIGHTWEIGHT	REIN	REINFORCED
CLG	CEILING	MAR	MARBLE	REIN	REINFORCED
CLM	CEILING	MAS	MASONRY	REIN	REINFORCED
CONC	CONCRETE	MAX	MAXIMUM	REIN	REINFORCED
CONT	CONTINUOUS	MECH	MECHANICAL	REIN	REINFORCED
CORR	CORROSION	MIN	MINIMUM	REIN	REINFORCED
CERW	CERAMIC TILE	MISC	MISCELLANEOUS	REIN	REINFORCED
DEC	DEGREE	MR	MOISTURE RESISTANT	REIN	REINFORCED
DEMO	DEMOLITION	MTL	METAL	REIN	REINFORCED
DIA	DIAMETER	NA	NOT APPLICABLE	REIN	REINFORCED
DWN	DOWN	NTS	NOT TO SCALE	REIN	REINFORCED
EINT	EXTERIOR	OC	ON CENTER	REIN	REINFORCED
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	OF	OWNER FURNISHED	REIN	REINFORCED
ELEC	ELECTRIC	OFI	OWNER FURNISHED	REIN	REINFORCED
EQ	EQUAL	OFO	OWNER FURNISHED	REIN	REINFORCED
EQUIP	EQUIPMENT	OFV	OWNER FURNISHED	REIN	REINFORCED
EWC	ELECTRIC WATER COOLER	OFF	OWNER FURNISHED	REIN	REINFORCED
EXIST	EXISTING	ORD	OVERFLOW ROOF DRAIN	REIN	REINFORCED
EXT	EXTERIOR	PERF	PERFORATED	REIN	REINFORCED
EXT	EXTERIOR	PLAS	PLASTER	REIN	REINFORCED
ED	FLOOR DRAIN	PLAM	PLASTIC LAMINATE	REIN	REINFORCED
FEC	FIRE EXTINGUISHER	PLAS	PLASTER	REIN	REINFORCED
FRP	FIBERGLASS REINFORCED PANEL COVERING	PRCT	PRECAST	REIN	REINFORCED
FWC	FIBERGLASS REINFORCED PANEL COVERING	PTN	PARTITION	REIN	REINFORCED
		QTY	QUANTITY	REIN	REINFORCED

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

21-136

DATE

11/30/22

COORDINATED BY

MMM

DRAWN BY

MMM

CHECKED BY

DJW

COPYRIGHT NOTICE:

THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE EXPRESS WRITTEN PERMISSION OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION WITH THIS PROJECT.

REVISIONS

MARK

DATE

ISSUED FOR

Ad-2 01/18/23 ADDENDUM NO. 2

TYPICAL ACCESSIBLE MOUNTING HEIGHTS, ABBREVIATIONS, SYMBOLS, AND LEGEND

PROJECT

BRUMMITT ES - RENOVATIONS

GIBRALTAR DESIGN

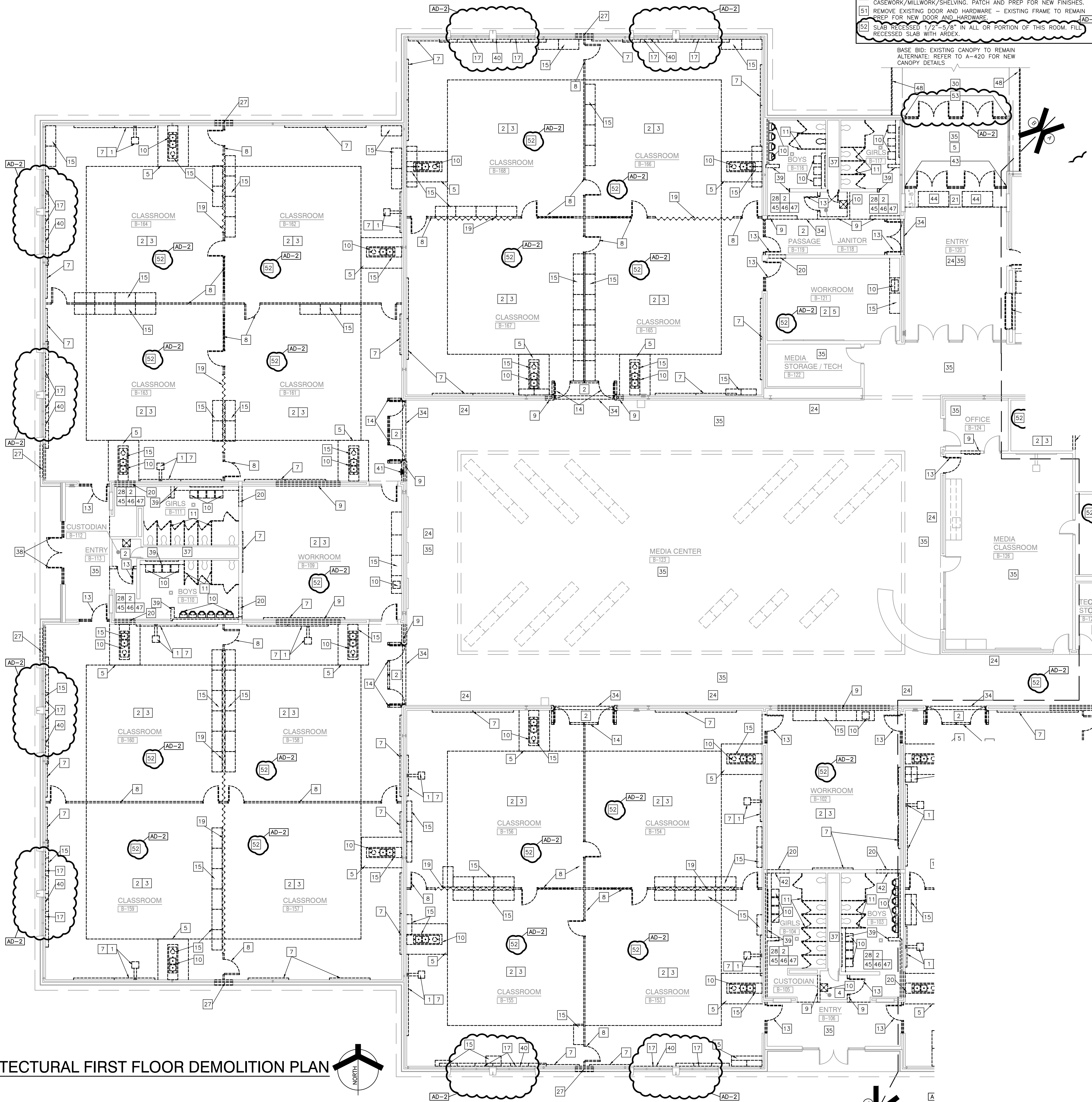
SHEET

G-301

Wednesday, 1/18/2023 - 3:07 PM - LAST SAVED BY:GRUBER
Y:\21-136 DUNELAND SC - BRUMMITT ES ADDITIONS AND
RENOVATIONS\21-136 DRAWINGS\05 ARCH\AD102.DWG

UNIT "B" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

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



DEMOLITION PLAN NOTES (CONTINUED):

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)
[53] REMOVE ALUMINUM STOREFRONT FROM HALL TO CHANGE OF DIRECTION. SALVAGE ALL ELECTRIFIED HARDWARE FOR REINSTALLATION.

DEMOLITION PLAN NOTES (CONTINUED):

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)
[47] CAREFULLY REMOVE AND STORE WATER CLOSETS AND ACCESS PANELS FOR RE-INSTALLATION AS PART OF THIS PROJECT.
[48] ALTERNATE: REMOVE ROOFING, FLASHING, ROOF DRAIN, FASCIA, SOFFIT, METAL DECK AND OPEN WEB BAR JOISTS AT EXISTING ENTRANCE CANOPY. WIDE FLANGE STEEL BEAMS AND COLUMNS TO REMAIN.
[49] TEMPORARILY REMOVE, STORE AND RELOCATE EXISTING MARKER BOARD.
[50] TEMPORARILY REMOVE, STORE AND RELOCATE EXISTING CASEWORK/MILLWORK/SHELVING. PATCH AND PREP FOR NEW FINISHES.
[51] REMOVE EXISTING DOOR AND HARDWARE - EXISTING FRAME TO REMAIN PREP FOR NEW DOOR AND HARDWARE.
[52] SLAB RECESSED 1/2"-5/8" IN ALL OR PORTION OF THIS ROOM. FILL RECESSED SLAB WITH ARMOX.

BASE BID: EXISTING CANOPY TO REMAIN
ALTERNATE: REFER TO A-420 FOR NEW CANOPY DETAILS

GENERAL DEMOLITION NOTES:

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.
- UNLESS NOTED OTHERWISE ON THIS SHEET, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL WORK INDICATED ON THIS SHEET.
- CONTRACTORS ENCOUNTERING EXISTING MATERIAL WHICH IS SUSPECTED OF CONTAINING ASBESTOS SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND THE OWNERS REPRESENTATIVE.
- BOLD DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING AND FOR COORDINATING THE EXTENT OF DEMOLITION WITH THE INSTALLATION OF NEW SYSTEMS.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION APPLICABLE TO THEIR SCOPE OF WORK AND AS REQUIRED FOR INSTALLATION OF NEW WORK WHETHER OR NOT IT IS SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS.
- REMOVE ALL ITEMS AND FINISHES MADE OBSOLETE BY NEW CONSTRUCTION. VERIFY ITEMS DEEMED OBSOLETE WITH ARCHITECT PRIOR TO REMOVAL. REFER TO NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED NOT SHOWN ON DEMOLITION PLANS.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFF SITE REMOVAL OF ALL DEMOLITION MATERIALS AND/OR ITEMS UNLESS NOTED OTHERWISE OR DIRECTED BY THE OWNER.
- PRIOR TO STARTING DEMOLITION, CONSTRUCT DUST CONTROL BARRIERS TO PREVENT THE SPREAD OF DUST INTO SURROUNDING AREAS (WHERE APPLICABLE).
- WHERE BUILDING EGRESS IS REQUIRED TO PASS THROUGH DEMOLITION AREAS, PROVIDE APPROVED BARRIERS, ETC. TO ENSURE SAFETY OF THE PUBLIC.
- RELOCATED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE. PER OWNERS' DIRECTION, UNTIL ITEMS ARE READY TO BE INSTALLED. IF ITEMS ARE DAMAGED DURING DEMOLITION OR RELOCATION, THEY SHALL BE REPAIRED OR REPLACED WITH NEW ITEMS AS APPROVED.
- DEMOLITION SHALL BE PERFORMED WITHOUT DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. WHERE SUCH DAMAGE OCCURS, PATCH, REPAIR, OR RESTORE WALLS, FLOORS, CEILING, ETC. NEATLY TO MATCH EXISTING ADJACENT SURFACE. PROVIDE SHORING, BRACING, OR SUPPORT AS REQUIRED TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES.
- EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND DISCONNECTION OF ITEMS APPLICABLE TO THEIR SCOPE OF WORK. WHERE SERVICES ARE ABANDONED, CAP AT LEAST 1" BEHIND NEW FINISHES AND/OR EXISTING SURFACE AND PATCH TO RECEIVE NEW FINISHES OR MATCH EXISTING FINISH.
- ON WALLS THAT ARE TO RECEIVE NEW FINISHES, REMOVE AND REINSTALL EXISTING EQUIPMENT TO REMAIN AS REQUIRED FOR INSTALLATION OF NEW FINISHES.
- WHERE WALLS OR BULKHEADS ARE REMOVED, PATCH FLOORS, CEILINGS, AND ADJACENT WALLS AS REQUIRED TO MATCH EXISTING OR RECEIVE NEW FINISHES WHERE APPLICABLE. WHERE EXISTING DUCTWORK, PIPING, OR EQUIPMENT IS REMOVED, PATCH OPENINGS AND/OR SURFACES TO MATCH ADJACENT SURFACES OR RECEIVE NEW FINISHES WHERE APPLICABLE. REFER TO ALL DEMOLITION DRAWINGS FOR EXTENT OF ITEMS TO BE REMOVED.
- OVER CUT NEW OPENINGS IN EXISTING WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR WALLS TO MATCH EXISTING. WHERE APPLICABLE, TOOTH NEW MASONRY INTO EXISTING MASONRY.
- ALL EQUIPMENT AND FURNITURE WHICH ARE CONSIDERED LOOSE FURNISHING SHALL BE REMOVED BY THE OWNER PRIOR TO DEMOLITION.
- MASONRY WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 2" MINIMUM BELOW THE EXISTING FLOOR SLAB UNLESS SETTING ON A SLAB OR SPECIFICALLY NOTED OTHERWISE. PATCH WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING FLOOR SLAB.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL REVIEW OF DEMOLITION NOTES AND GENERAL DEMOLITION NOTES AS THEY APPLY TO THEIR SCOPE OF WORK.
- THE OWNER SHALL RESERVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE.
- REFER TO THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY DOCUMENTS FOR COMPLETE SCOPE OF DEMOLITION WORK.
- "FLOORING" DENOTES FLOOR COVERING MATERIALS INCLUDING BACKING, ADHESIVES, AND BASES DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS UNLESS NOTED OTHERWISE.
- DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. REFER TO SPECIFICATIONS AND DRAWINGS FOR REQUIREMENTS AND SPECIAL CONDITIONS.
- WHERE APPLICABLE SALVAGE EXISTING MASONRY (FACE BRICK, GLAZED CMU, FACING TILE) AS REQUIRED FOR PATCHING AND INFILL IN RENOVATED AREAS WHERE INDICATED. DISCARD UNUSED PORTION OFF SITE.

DEMOLITION PLAN NOTES:

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

- REMOVE WALL MOUNTED PROJECTOR, SALVAGE FOR REINSTALLATION.
- REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY.
- REMOVE CARPET FLOORING SYSTEM IN ITS ENTIRETY. PREPARE FLOOR FOR NEW FINISHES.
- REMOVE ALL WALL ACCESSORIES MADE OBSOLETE BY NEW CONSTRUCTION. PATCH AND REPAIR WALL AS REQUIRED TO ACCEPT NEW FINISHES.
- REMOVE VCT/SHEET VINYL FLOORING SYSTEM IN ITS ENTIRETY. PREPARE FLOOR FOR NEW FINISHES.
- REMOVE WALL MOUNTED T.V. IN ITS ENTIRETY. TURN OVER TO OWNER.
- REMOVE TACK BOARD, MARKER BOARD OR CHALKBOARD IN THEIR ENTIRETY. PATCH WALL TO RECEIVE NEW FINISHES.
- REMOVE EXISTING DEMOUNTABLE PARTITIONS INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, AND BORROWED LIGHTS.
- REMOVE METAL STUD AND PLASTER/GYPSUM BOARD WALL IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT WALL AND FLOOR TO ACCEPT NEW FINISHES.
- REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. CUT AND CAP LINE BELOW WALL OR FLOOR SURFACE. UNLESS OTHERWISE NOTED ON PLUMBING DRAWINGS PATCH AND REPAIR FLOOR AND/OR WALL TO ACCEPT NEW FINISHES.
- REMOVE TOILET PARTITIONS IN THEIR ENTIRETY.
- REMOVE CURTAIN TRACK AND SUPPORT IN ITS ENTIRETY.
- REMOVE HOLLOW METAL DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
- REMOVE HOLLOW METAL DOOR, FRAME, HARDWARE AND METAL WALL SYSTEM IN ITS ENTIRETY.
- REMOVE CASEWORK/MILLWORK IN ITS ENTIRETY. PATCH AND REPAIR WALL AND FLOOR AS REQUIRED TO ACCEPT NEW FINISHES.
- REMOVE KILN IN ITS ENTIRETY. SALVAGE FOR REINSTALLATION.
- REMOVE EXISTING WINDOW STOOL.
- REMOVE WOOD COBBLES IN ITS ENTIRETY. PREPARE WALL FOR NEW FINISHES.
- REMOVE ACCORDION PARTITION, DOOR AND SUPPORTING STRUCTURE ABOVE IN THEIR ENTIRETY.
- REMOVE PORTION OF METAL STUD AND GYPSUM BOARD/PLASTER WALL AS REQUIRED TO INSTALL NEW DOOR.
- REMOVE EXISTING THICK SET TERRAZZO INCLUDING SETTING BED AND PREP FLOOR TO RECEIVE NEW CONCRETE TOPPING AND CERAMIC TILE. REFER TO STRUCTURAL DRAWINGS.
- EXISTING STEEL COLUMN TO REMAIN. PROTECT FROM DAMAGE.
- REMOVE EQUIPMENT AS NEEDED. TURN OVER TO OWNER.
- REMOVE WALL COVERING IN ITS ENTIRETY. PREPARE WALL FOR NEW FINISHES.
- REMOVE STAFF MAILBOX IN ITS ENTIRETY.
- REMOVE ACCORDION PARTITION AND DOOR IN THEIR ENTIRETY. EXISTING BULKHEAD ABOVE TO REMAIN.
- REMOVE PORTION OF PRECAST CONCRETE PANEL AS REQUIRED TO INSTALL NEW DOOR.
- REMOVE TOILET ACCESSORIES AND TURN OVER TO THE OWNER.
- REMOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS.
- ALTERNATE: REMOVE ENTIRE CANOPY INCLUDING STEEL FRAMING, ROOFING, AND CONCRETE FOOTINGS AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE INTERIOR WINDOW IN ITS ENTIRETY.
- REMOVE RECEPTION COUNTER AND WALL IN ITS ENTIRETY. PATCH AND PREPARE FOR NEW WINDOW AND DOOR.
- EXISTING PLASTER/GYPSUM BOARD CEILING TO REMAIN. CUT AND PATCH FOR MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION WORK.
- REMOVE PLASTER AND METAL LATH ON METAL STUD BULKHEAD IN ITS ENTIRETY.
- TEMPORARILY REMOVE, STORE AND REPLACE CEILING PADS, AND GRID FOR MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION WORK. REPLACE ALL TILES DAMAGED DURING REMOVAL AND REINSTALLATION.
- REMOVE CEILING PADS, EXISTING GRID TO REMAIN. CLEAN AND PREP FOR NEW PAINT.
- REMOVE PORTION OF WALL AS REQUIRED FOR INSTALLATION OF CARRIER AT NEW URINAL OR WATER CLOSET.
- REMOVE EXISTING ALUMINUM STOREFRONT IN ITS ENTIRETY.
- REMOVE PARTIAL HEIGHT WALL INCLUDING BUT NOT LIMITED TO TILE, MARBLE COUNTERTOP, GYPSUM/PLASTER, AND METAL STUDS.
- REMOVE FIN TUBE RADIATOR IN ITS ENTIRETY. CUT AND CAP LINE BELOW WALL OR FLOOR SURFACE. REFER TO PLUMBING DRAWINGS. PATCH AND REPAIR FLOOR AND/OR WALL TO ACCEPT NEW FINISHES.
- REMOVE FIRE EXTINGUISHER AND CABINET AND TURN OVER TO OWNER. PATCH WALL AS REQUIRED FOR NEW AND EXISTING TO BE SMOOTH AND FLUSH WITH NO VISIBLE JOINTS.
- REMOVE CABINET HEATER IN ITS ENTIRETY. CUT AND CAP LINE BELOW WALL OR FLOOR SURFACE. REFER TO PLUMBING DRAWINGS. PATCH AND REPAIR FLOOR AND/OR WALL AS REQUIRED TO ACCEPT NEW FINISHES.
- REMOVE ALUMINUM STOREFRONT IN ITS ENTIRETY. PATCH ADJACENT WALLS DAMAGED DURING REMOVAL WITH NEW GYPSUM BOARD.
- REMOVE EXISTING DEPRESSION MAT IN ITS ENTIRETY. PREPARE SUBSTRATE FOR NEW FINISH.
- REMOVE COVE PORTION OF EXISTING WALL TILE AS REQUIRED FOR INSTALLATION OF NEW FINISHES.
- REMOVE CHASE VENTS AND STAINLESS STEEL COVER PLATES FROM EXISTING TILE WALLS AND PREP FOR NEW FINISH.



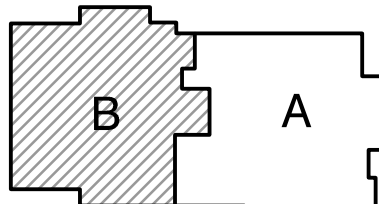
GIBRALTAR
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**BRUMMITT
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

21-136

DATE

11/30/22

COORDINATED BY

MMM

DRAWN BY

MMM

CHECKED BY

DJW

COPYRIGHT NOTICE:

THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	01/18/23	ADDENDUM NO. 2

DRAWING

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

PROJECT

BRUMMITT ES - RENOVATIONS

© GIBRALTAR DESIGN

SHEET

AD102

GENERAL PLAN NOTES:

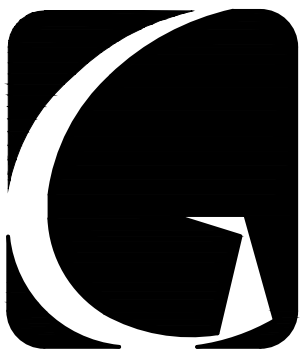
- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO C SERIES SHEETS.
- B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH 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.)
- 1 CONCRETE STOOP/VOID SLAB, REFER TO STRUCTURAL DETAIL 10/S-402 FOR REINFORCING REQUIREMENTS.
- 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 WALL SINK, REFER TO PLUMBING DRAWINGS.
- 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.
- 18 KNOX BOX.
- 19 CEILING CURTAIN TRACK.
- 20 FILL OPENING WITH STUD WALL. FINISH FLUSH WITH ADJACENT STUD WALL AND PREP FOR NEW FINISH.
- 21 STAFF MAILBOX, REFER TO EQUIPMENT PLANS.
- 22 LINE OF CANOPY ABOVE, REFER TO SECTIONS.
- 23 DOWNSPOUT, REFER TO ROOF PLAN.
- 24 DASHED LINE INDICATES NEW PARTIAL DROP CEILING, REFER TO REFLECTED CEILING PLANS.
- 25 INSTALL NEW PLYWOOD, TO MATCH AND EXTEND EXISTING, TO 8'-6". PREP FOR NEW FINISH.
- 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 FILL IN RECESSED FLOOR WITH ARDEX. PREP TO RECEIVE NEW FLOOR FINISH.
- 29 BRONZE PLAQUE, REFER TO SPECIFICATIONS.
- 30 RE-INSTALL PREVIOUSLY REMOVED WATER CLOSETS WITH FOUR (4) NEW CARRIER RODS AT EACH.
- 31 RE-INSTALL PREVIOUSLY REMOVED ACCESS PANELS.
- 32 PAINT ALL SIDES OF EXISTING FRAME TO MATCH NEW DOOR FRAMES.
- 33 NEW OUTDOOR ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR EXACT LOCATION AND CONCRETE PAD DETAILS.
- 34 RELOCATE EXISTING KILN.
- 35 INFILL CAVITY LEFT BY REMOVAL OF WALL MOUNTED MECHANICAL EQUIPMENT WITH WALL TYPE AX.
- 36 INSTALL NEW SOLID SURFACE STOOL.

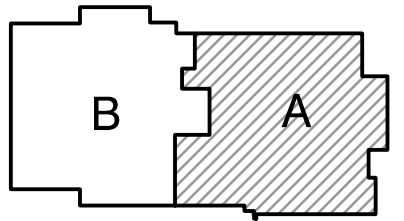


GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**BRUMMITT
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
21-136
DATE
11/30/22

COORDINATED BY
JMG

DRAWN BY
MMM

CHECKED BY
DJW

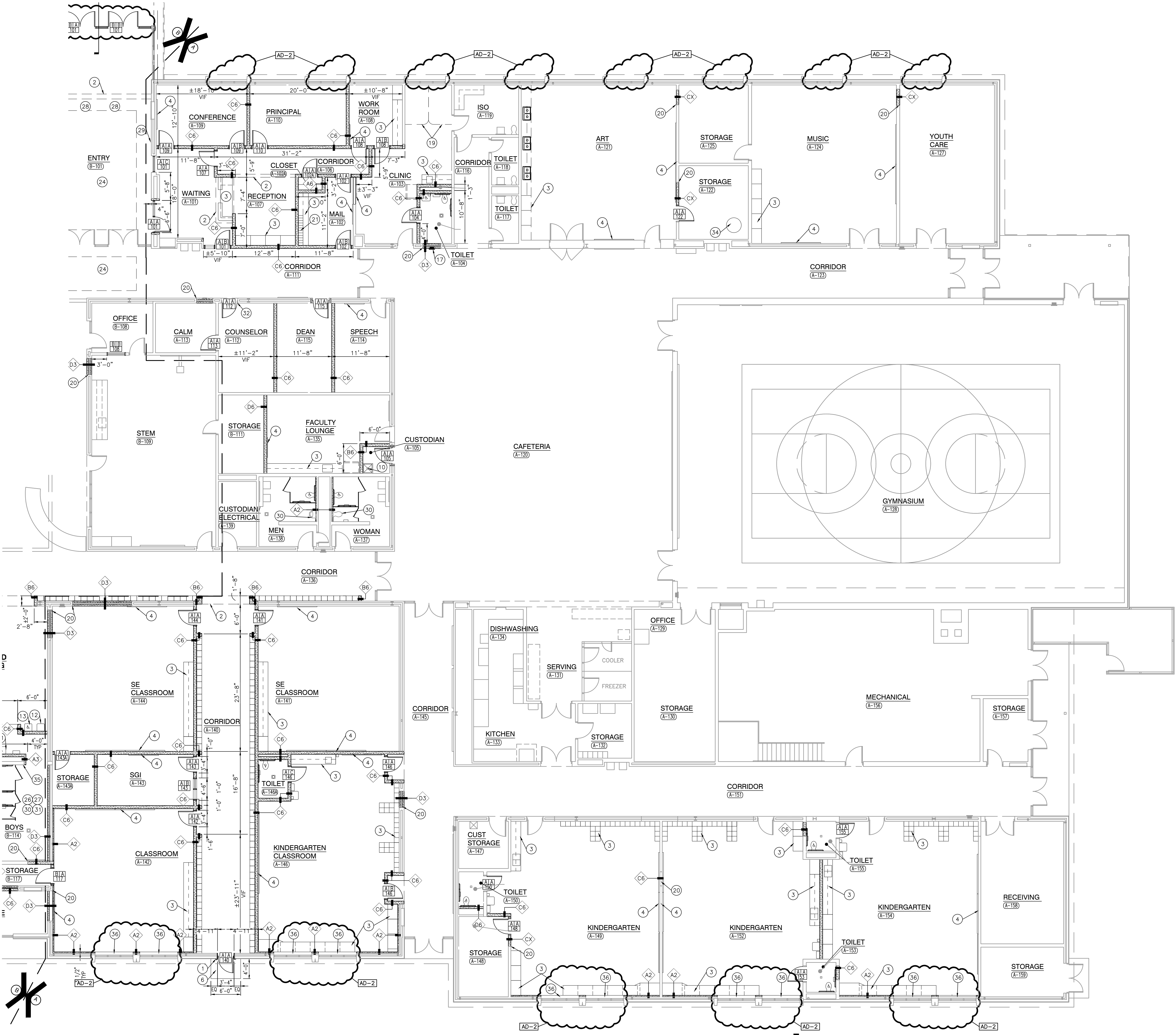
COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS
MARK DATE ISSUED FOR
AD-2 01/18/23 ADDENDUM NO. 2

DRAWING
UNIT "A" ARCHITECTURAL
FIRST FLOOR PLAN

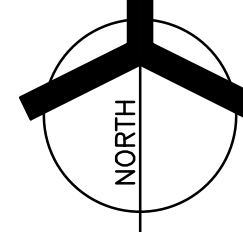
PROJECT
BRUMMITT ES - RENOVATIONS

© GIBRALTAR DESIGN SHEET
A-101



UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN

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



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.)

- CONCRETE STOOP/VOID SLAB, REFER TO STRUCTURAL DETAIL 10/S-402 FOR REINFORCING REQUIREMENTS.
- 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.
- WALL SINK, REFER TO PLUMBING DRAWINGS.
- 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.
- FILL OPENING WITH STUD WALL. FINISH FLUSH WITH ADJACENT STUD WALL AND PREP FOR NEW FINISH.
- STAFF MAILBOX, REFER TO EQUIPMENT PLANS.
- LINE OF CANOPY ABOVE, REFER TO SECTIONS.
- DOWNSPOUT, REFER TO ROOF PLAN.
- DASHED LINE INDICATES NEW PARTIAL DROP CEILING, REFER TO REFLECTED CEILING PLANS.
- INSTALL NEW PLYWOOD, TO MATCH AND EXTEND EXISTING, TO 8'-6". PREP FOR NEW FINISH.
- 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.
- FILL IN RECESSED FLOOR WITH ARDEX. PREP TO RECEIVE NEW FLOOR FINISH.
- BRONZE PLAQUE. REFER TO SPECIFICATIONS.
- RE-INSTALL PREVIOUSLY REMOVED WATER CLOSETS WITH FOUR (4) NEW CARRIER RODS AT EACH.
- RE-INSTALL PREVIOUSLY REMOVED ACCESS PANELS.
- PAINT ALL SIDES OF EXISTING FRAME TO MATCH NEW DOOR FRAMES.
- NEW OUTDOOR ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR EXACT LOCATION AND CONCRETE PAD DETAILS.
- RELOCATE EXISTING KILN.
- INFILL CAVITY LEFT BY REMOVAL OF WALL MOUNTED MECHANICAL EQUIPMENT WITH WALL TYPE AX.
- INSTALL NEW SOLID SURFACE STOOL.



GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**BRUMMITT
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

21-136

DATE

11/30/22

COORDINATED BY

JMG

DRAWN BY

MMM

CHECKED BY

DJW

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK DATE ISSUED FOR

AD-2 01/18/23 ADDENDUM NO. 2

DRAWING

UNIT "B" ARCHITECTURAL
FIRST FLOOR PLAN

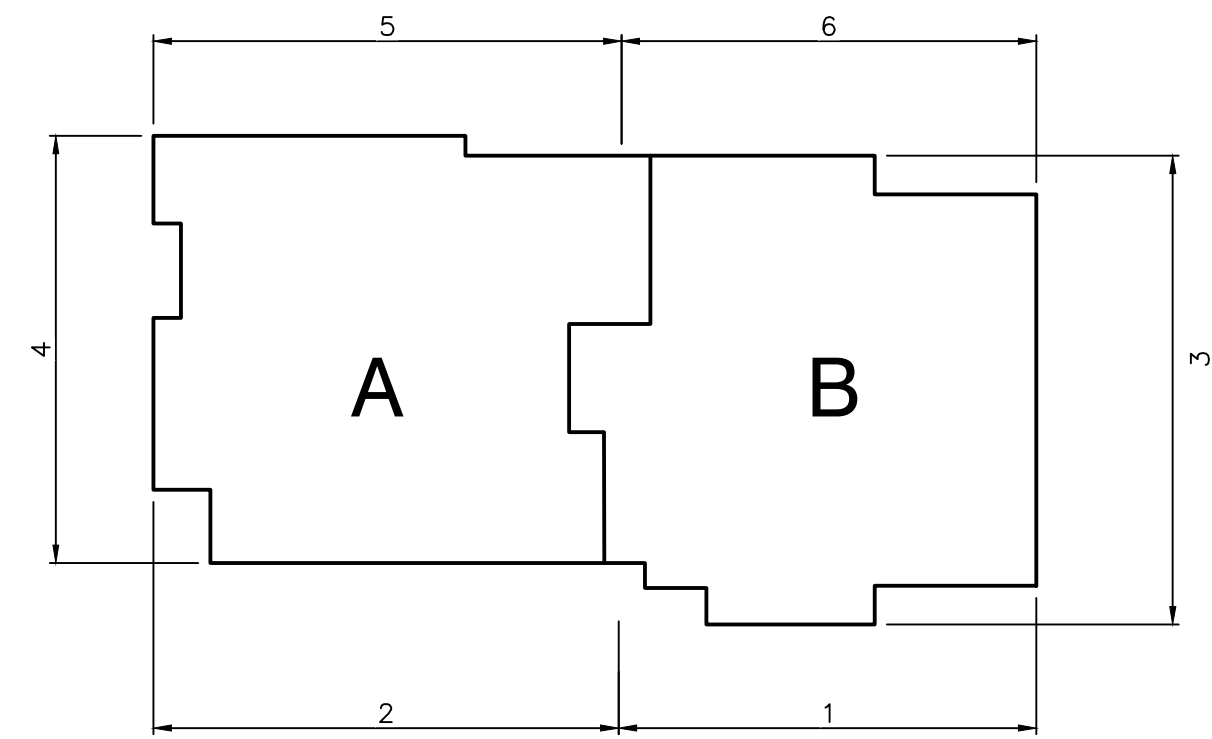
PROJECT

BRUMMITT ES - RENOVATIONS

GIBRALTAR DESIGN

SHEET

A-102



KEY PLAN

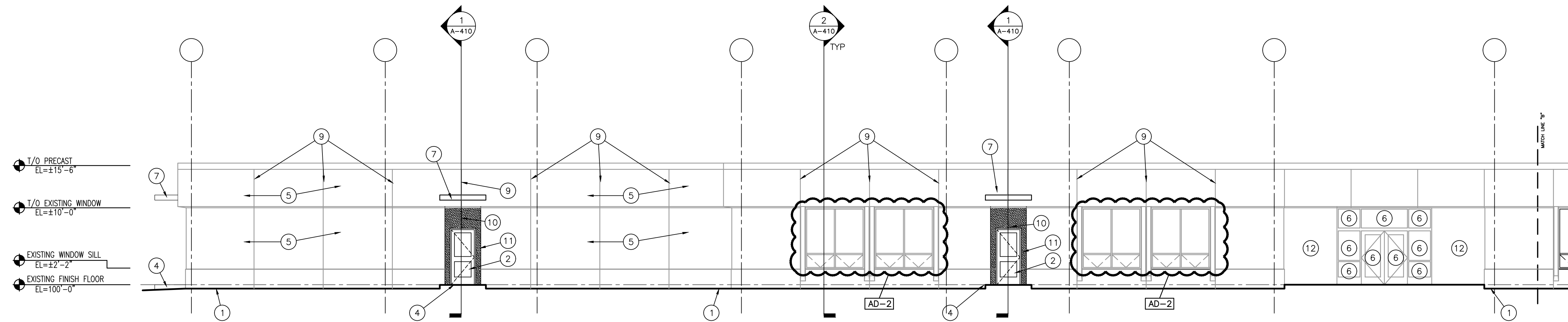
GENERAL ELEVATION NOTES:

- A. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.
B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.
C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.
D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.
E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.
F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

ELEVATION KEY NOTES:

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

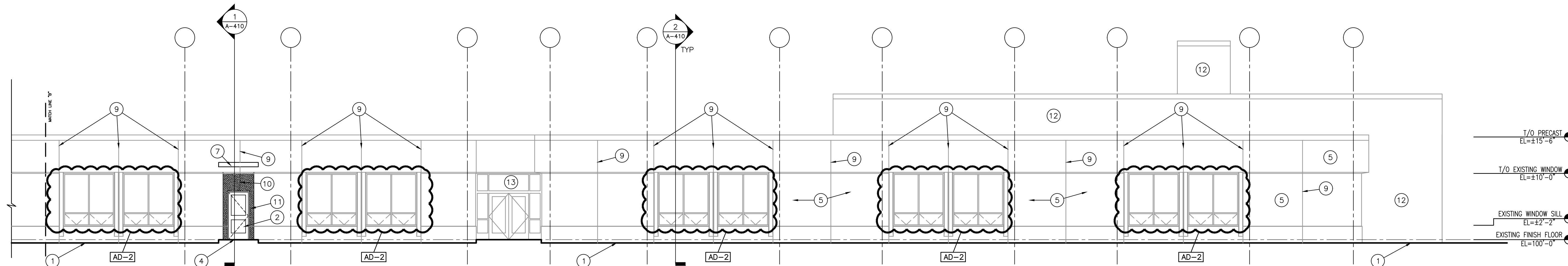
- (1) APPROXIMATE FINISH GRADE.
(2) ALUMINUM STOREFRONT SYSTEM WITH ALUMINUM DOORS WHERE APPLICABLE.
(3) NOT USED. [AD-2]
(4) NEW CONCRETE VOID SLAB AND SIDEWALK, REFER TO STRUCTURAL AND SITE PLAN.
(5) EXISTING PRECAST CONCRETE PANELS TO REMAIN.
(6) INSTALL OPAQUE FILM TO INTERIOR OF EXISTING GLAZING, REFER TO DOOR AND FRAME SCHEDULE.
(7) NEW PRE-MANUFACTURED CANOPY.
(8) BASE BID: EXISTING CANOPY TO REMAIN.
ALTERNATE: REMOVE EXISTING CANOPY AND REPLACE WITH NEW CANOPY WITH STANDING SEAM METAL ROOF AREA. REFER TO SHEET A-420.
(9) APPROXIMATE LOCATION OF EXISTING PANEL JOINT FIELD VERIFY.
(10) ALIGN EIFS CONTROL JOINT WITH EXISTING CONCRETE PANEL JOINT. FIELD VERIFY AND MATCH WIDTH OF JOINT PROVIDE BACKER ROD AND SEALANT.
(11) EIFS MATCH COLOR OF EXISTING BRICK.
(12) EXISTING BRICK TO REMAIN.
(13) EXISTING DOOR/STOREFRONT TO REMAIN.
(14) EXISTING METAL PANEL MECHANICAL ENCLOSURE.



EXTERIOR ELEVATION

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

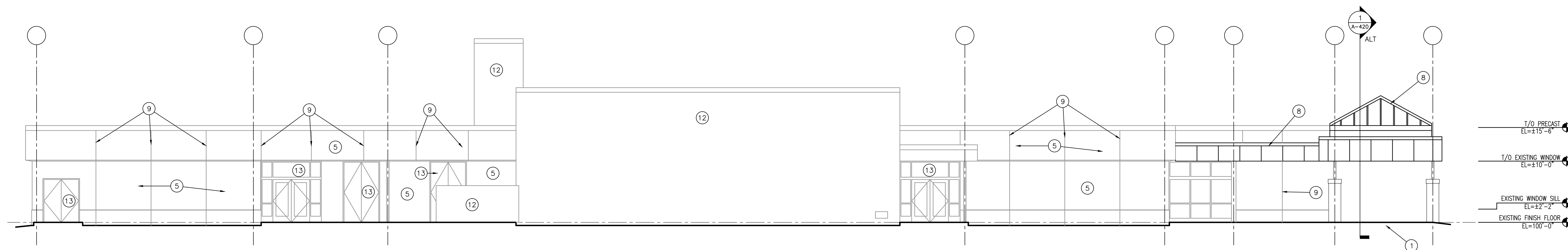
6
A-302



EXTERIOR ELEVATION

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

5
A-302



EXTERIOR ELEVATION

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

4
A-302

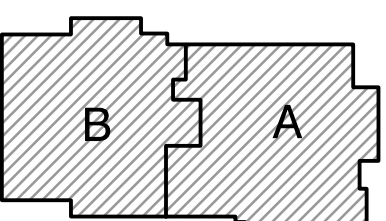


GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**BRUMMITT
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

21-136

DATE

11/30/22

COORDINATED BY

JMG

DRAWN BY

JMG

CHECKED BY

DJW

COPYRIGHT NOTICE:

THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK DATE ISSUED FOR

AD-2 01/18/23 ADDENDUM NO. 2

DRAWING

BUILDING ELEVATIONS

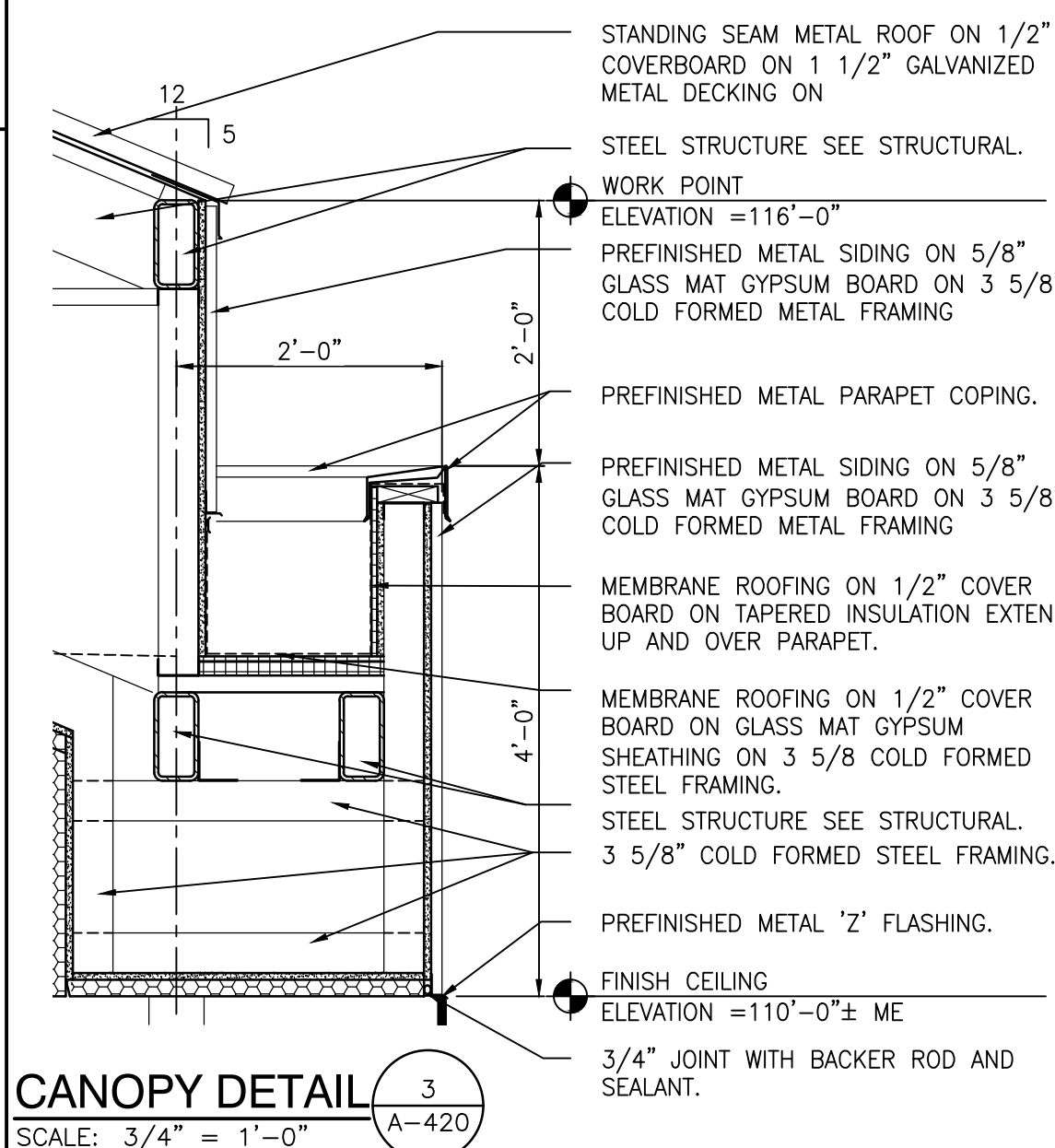
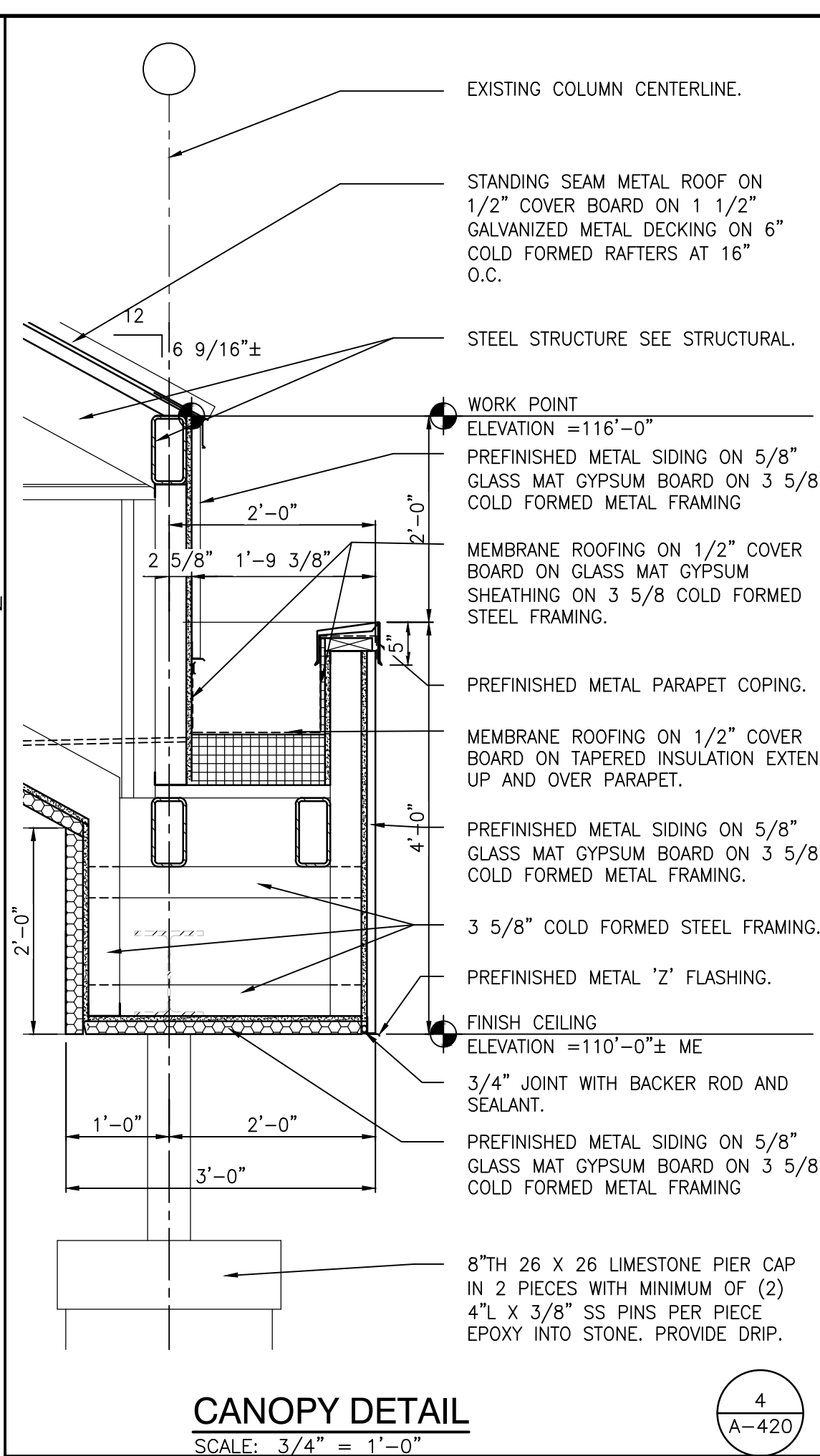
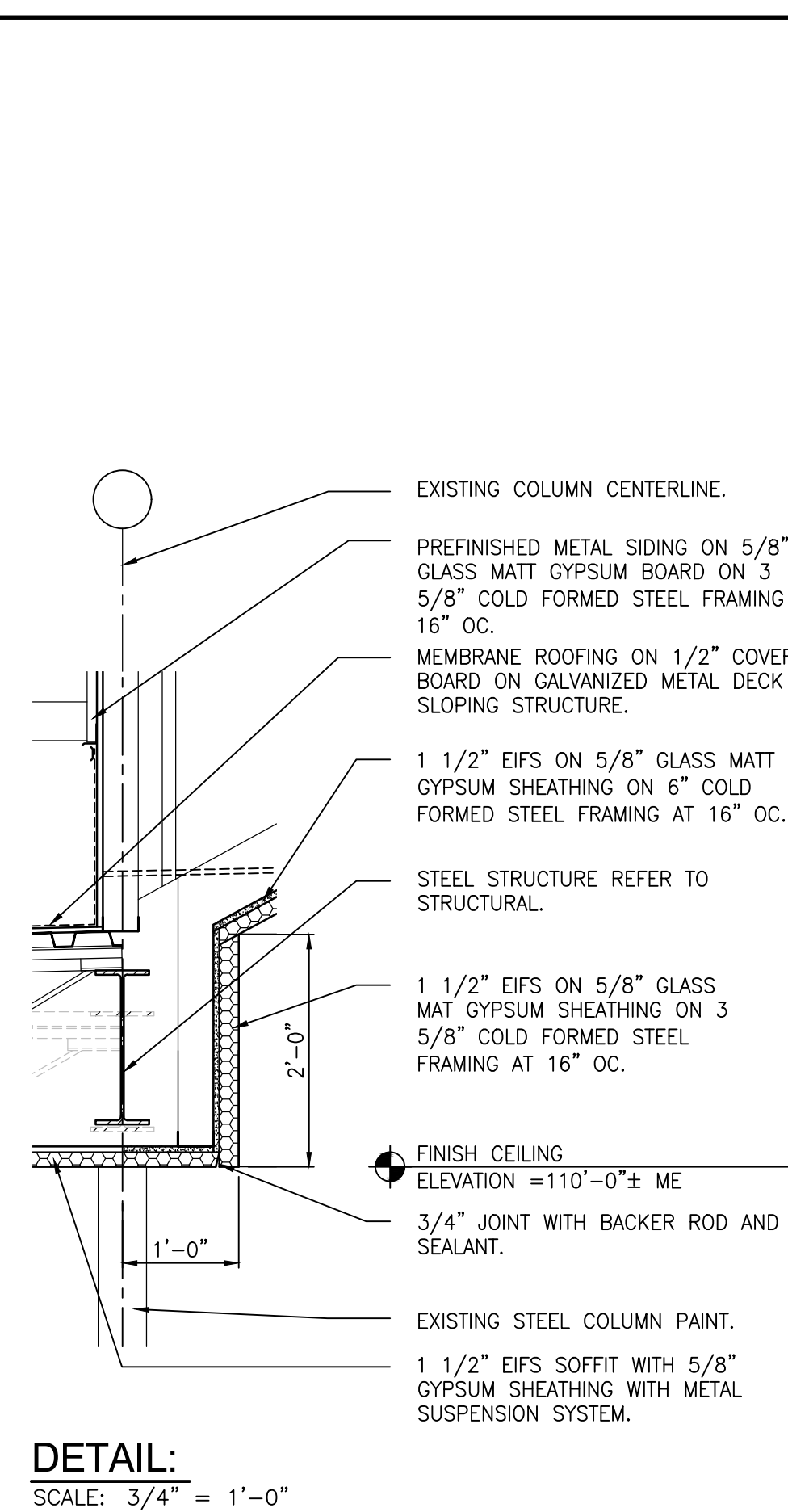
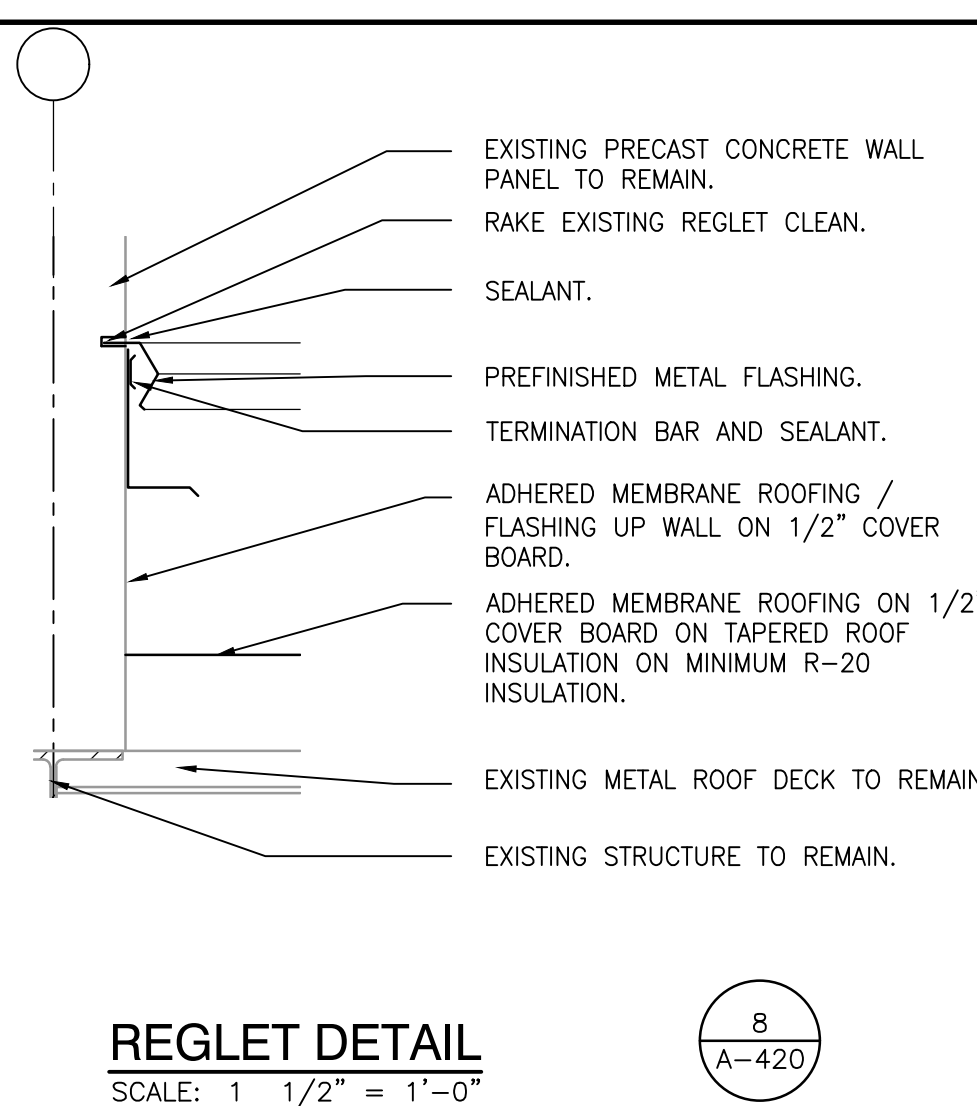
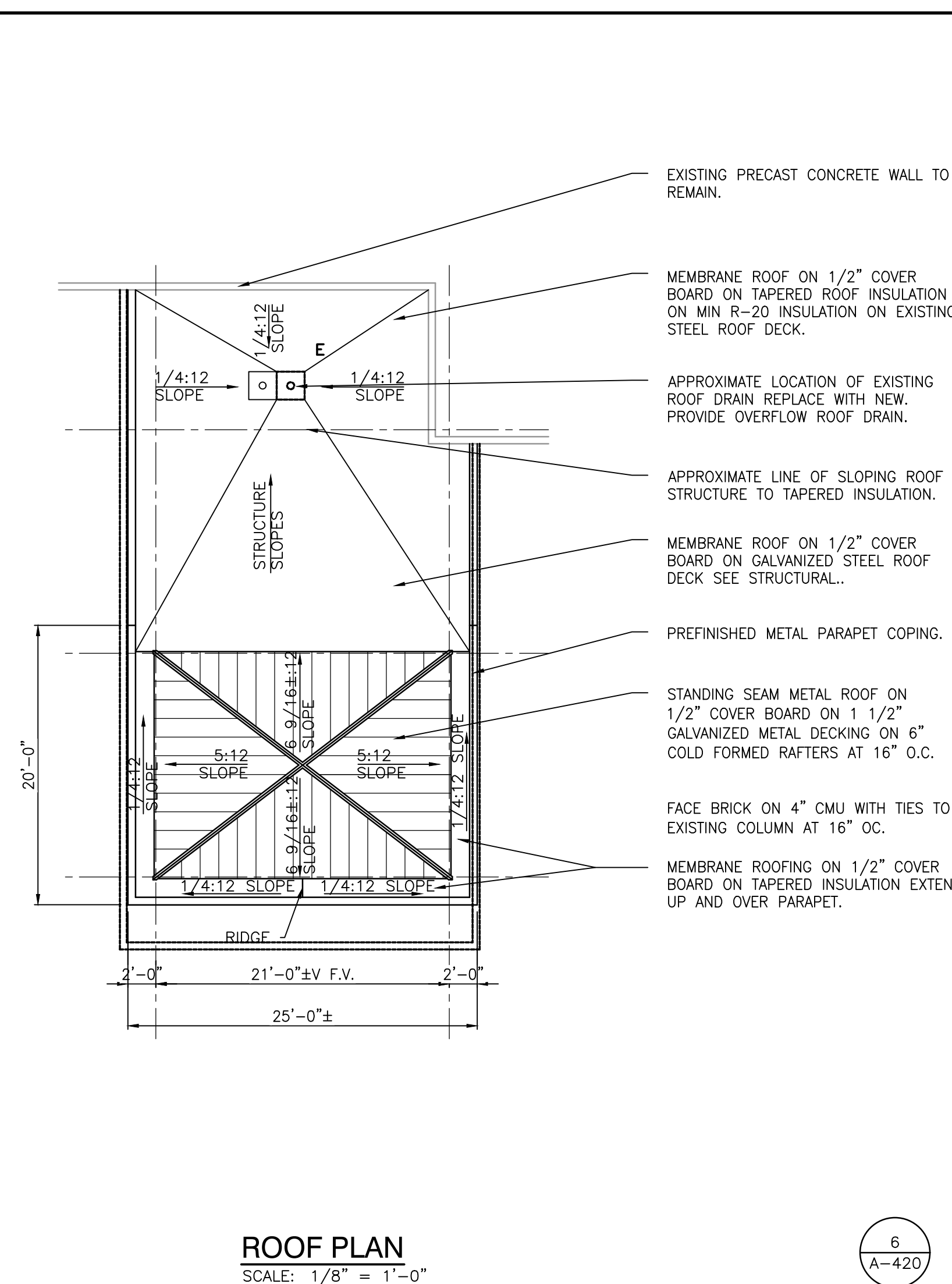
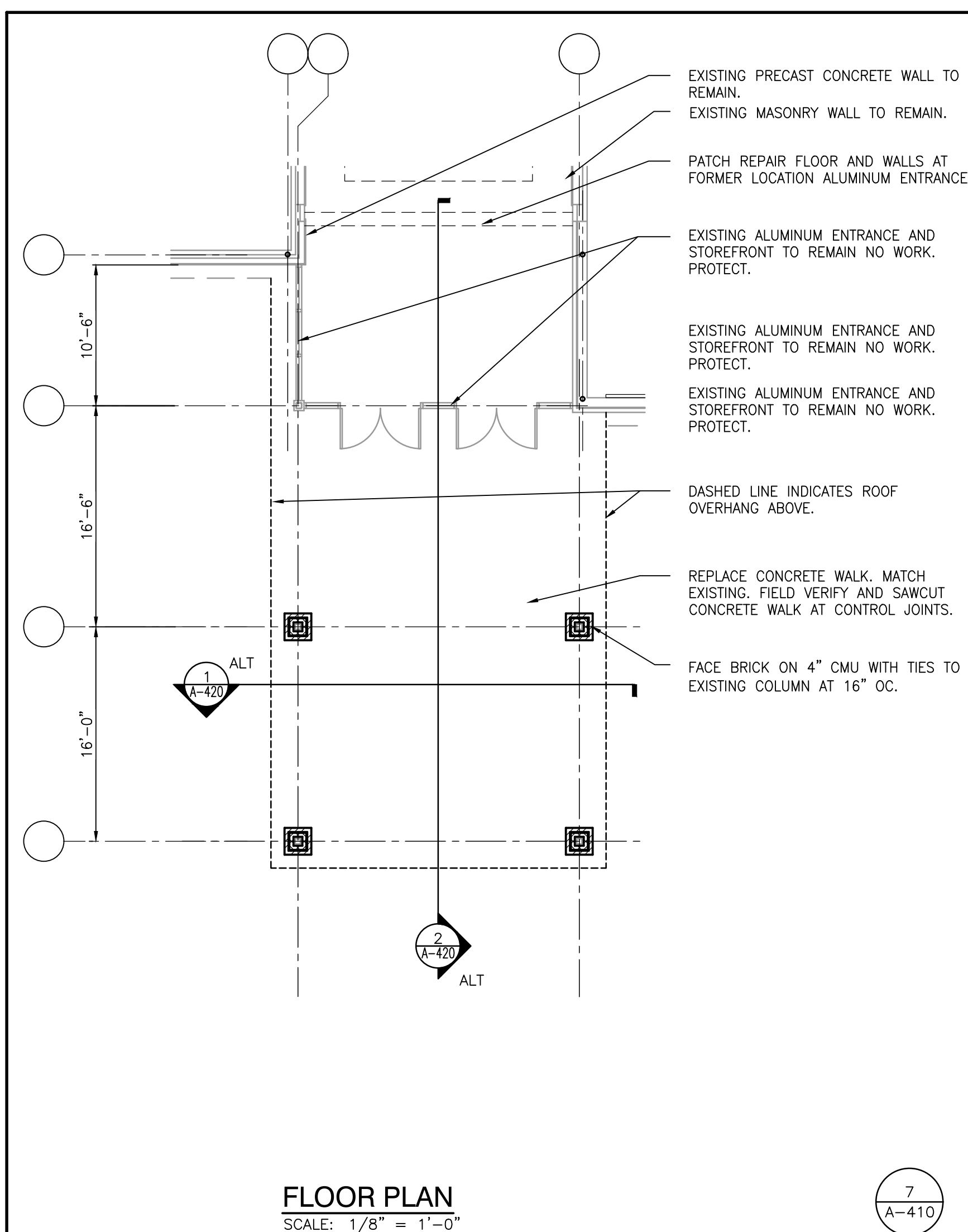
PROJECT

BRUMMITT ES - RENOVATIONS

© GIBRALTAR DESIGN

SHEET

A-302

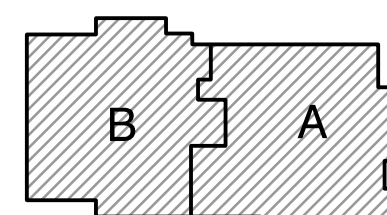


GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

BRUMMITT
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	
---------	--

21-136

DATE
11/30/20

COORDINATE

JMG

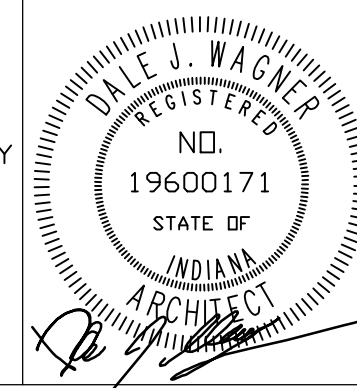
DRAWN BY

JMG

CHECKED
MIR

CONFIDENTIAL

THE CONCEPTS
THE DOCUMENT



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON
THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN A
WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE
THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM
FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT
OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR
INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS
PROJECT.

REVISIONS		
MARK	DATE	ISSUED FOR
AD-2	01/18/23	ADDENDUM NO. 2

DRAWING

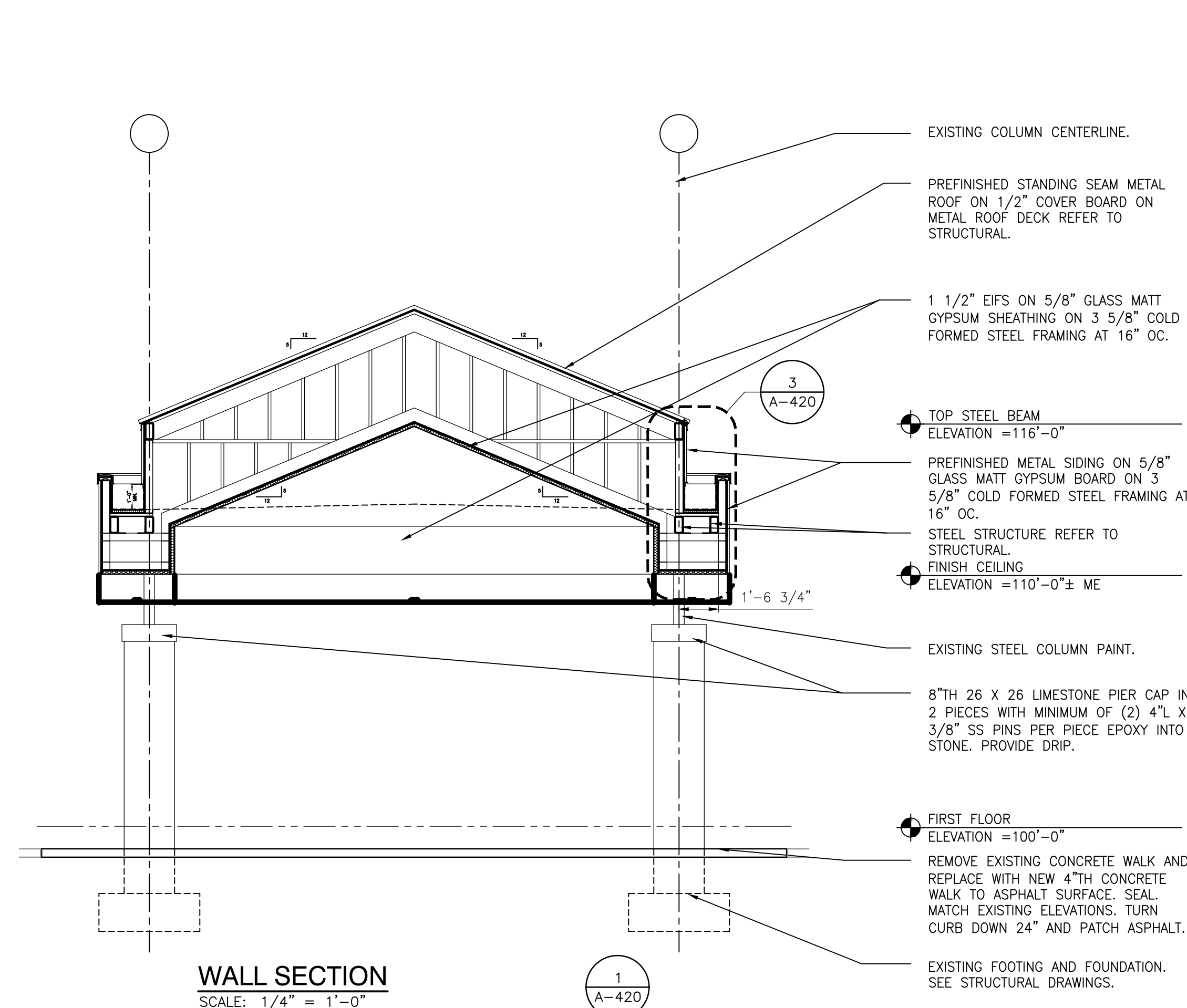
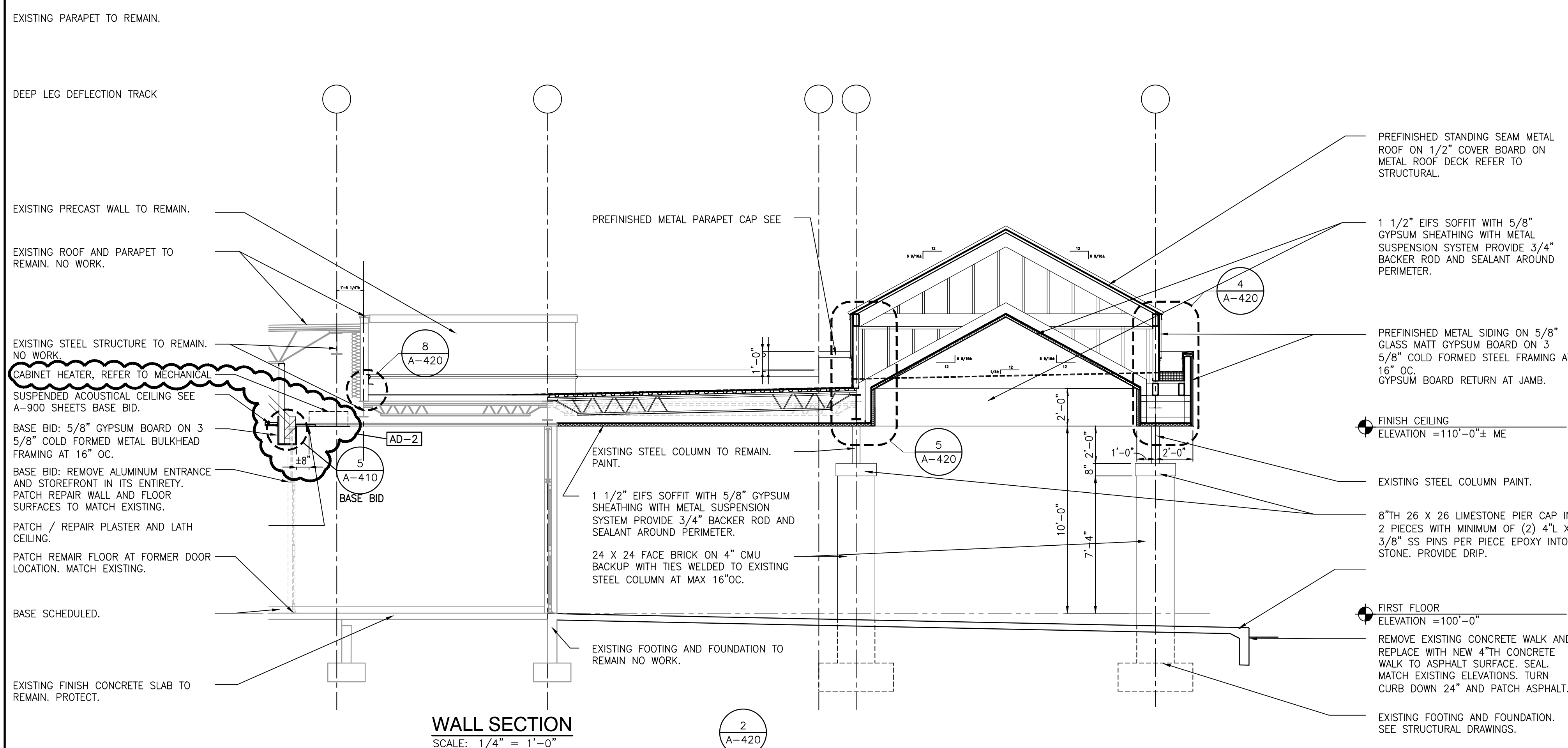
CANOPY ALTERNATE PLANS, SECTIONS AND DETAILS

PROJECT
BRUMMITT ES - RENOVATIONS

© GIBALTAR DESM

SHEET

A-420



Wednesday, 1/18/2023 - 1:43 PM - LAST SAVED BY:JGRUBER
X:\21-136 DUNELAND SC - BRUMMITT ES ADDITIONS AND
RENOVATIONS\21-136 DRAWINGS\05 ARCH\A-420 CANOPY
ALTERNATE.DWG

Wednesday, 1/18/2023 - 3:08 PM - LAST SAVED BY:GRUBER
Y:\21-136 DUNELAND SC - BRUMMITT ES ADDITIONS AND
RENOVATIONS\21-136 DRAWINGS\05 ARCH\A-601.DWG

DOOR AND FRAME SCHEDULE

DOOR													
NO	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	GLASS DOOR SIDE LOT	TRA	MAT'L	WIDTH	JAMB	HEAD	SILL	ELEV
B-132A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-133A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-134A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-135A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-136A	DOUBLE	5	PR 36 x 84	AL	---	B	B	AL	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF4
B-136B	DOUBLE	5	PR 36 x 84	AL	---	A	A	AL	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF5
B-137A	SINGLE	1	36 x 84	WD	--	---	---	HM	5 3/4"	J2	H2	---	HM1
B-141A	SINGLE	1	36 x 84	WD	--	---	---	HM	5 3/4"	J2	H2	---	HM1
B-142A	DOUBLE	5	PR 36 x 84	AL	---	B	B	AL	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF4
B-142A	DOUBLE	5	PR 36 x 84	AL	---	A	A	AL	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF5
B-143A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1
B-144A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1
B-146A	SINGLE	2	36 x 84	WD	--	A	---	HM	0"	---	---	---	EXIST
B-147A	SINGLE	5	36 x 84	AL	--	B	B	AL	4 1/2"	J2	H2	---	SF1
B-148A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-149A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-150A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-151A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-152A	SINGLE	5	36 x 84	AL	--	B	B	AL	4 1/2"	J2	H2	---	SF1
B-153A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-154A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1
B-155A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-157A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1
B-158A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1

GLASS SCHEDULE

GLASS TYPES	
A	1/4" TEMPERED (CLEAR)
B	1" INSULATED GLASS (TINTED)
C	1" INSULATED GLASS (CLEAR)
D	1" INSULATED GLASS (TRANSLUCENT/SPANDREL)
E	1/2" LAMINATED SAFETY GLASS (CLEAR)

DOOR AND FRAME SCHEDULE

DOOR													GLASS			FRAME			LABEL			HARDWARE			NOTES
NO	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	DOOR SIDE LOT	TRA	MAT'L	WIDTH	JAMB	HEAD	SILL	ELEV	EXIT DEVICE	CLOSER										
A-101A	SINGLE	3	36 x 84	WD	--	E	E	---	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF2	---	---	YES	1,2,6								
A-101B	SINGLE	3	36 x 84	WD	--	A	A	---	8 3/8"	SEE ELEV	SEE ELEV	SEE ELEV	HM2	---	---	YES	1,2,6								
A-101C	BORROWED LIGHT	---	36 x 52	---	---	---	E	---	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF3	---	---	---	---								
A-102A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-102AA	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-102B	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	---								
A-104A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	---								
A-105A	SINGLE	1	36 x 84	WD	--	---	---	HM	5 3/4"	J2	H2	---	HM1	---	---	---	---								
A-107A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	---								
A-108A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-108B	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-109A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-109B	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-110A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-112A	SINGLE	2	36 x 84	WD	--	A	---	HM	0"	---	---	---	EXIST	---	---	---	---								
A-113A	SINGLE	2	36 x 84	WD	--	E	---	HM	7 1/8"	J2	H2	---	HM1	---	---	---	---								
A-115A	SINGLE	2	36 x 84	WD	--	A	---	HM	5 3/4"	J2	H3	---	HM1	---	---	---	---								
A-122A	SINGLE	1	36 x 84	WD	--	---	---	HM	7 1/8"	J2	H2	---	HM1	---	---	---	---								
A-140A	SINGLE	5	36 x 84	AL	--	B	B	---	4 1/2"	J2	H2	---	SF1	---	YES	YES	1,2,4,6								
A-141A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-142A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-143A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-143AA	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-143B	BORROWED LIGHT	---	24 x 52	---	---	---	A	---	8 3/8"	SEE ELEV	SEE ELEV	SEE ELEV	HM3	---	---	---	---								
A-144A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-146A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-146B	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-146C	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	---								
A-148A	SINGLE	1	36 x 84	WD	--	---	---	HM	7 1/8"	J2	H2	---	HM1	---	---	YES	---								
A-150A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H3	---	HM1	---	---	YES	---								
A-153A	SINGLE	1	36 x 84	WD	--	---	---	HM	9 1/8"	J2	H2	---	HM1	---	---	YES	---								
A-155A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	---								
B-101A	DOUBLE	5	PR 36 x 84	AL	--	B	B	B	AL	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF6	---	YES	YES	1,2,4,5,6,8,9							
B-101B	DOUBLE	5	PR 36 x 84	AL	--	B	B	B	AL	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF6	---	YES	YES	1,2,4,5,6,8,9							
B-103A	SINGLE	2	36 x 84	WD	--	A	---	HM	9 1/8"	J2	H2	---	HM1	---	---	YES	---								
B-105A	SINGLE	2	36 x 84	WD	--	E	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	1,2,6								
B-108B	BORROWED LIGHT	---	42 x 52	---	---	A	---	HM	8 3/8"	SEE ELEV	SEE ELEV	SEE ELEV	HM4	---	---	---	---								
B-116A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
B-117A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
B-118A	DOUBLE	---	34 x 52	---	---	---	---	EXIST	0"	---	---	---	---	---	---	---	7								
B-121A	SINGLE	5	36 x 84	AL	--	B	B	---	4 1/2"	J2	H2	---	SF1	---	YES	YES	1,2,4,6								
B-122A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
B-123A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
B-123B	BORROWED LIGHT	---	24 x 52	---	---	A	---	HM	8 3/8"	SEE ELEV	SEE ELEV	SEE ELEV	HM3	---	---	---	---								
B-124A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
B-125A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
B-126A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
B-126B	BORROWED LIGHT	---	24 x 52	---	---	A	---	HM	8 3/8"	SEE ELEV	SEE ELEV	SEE ELEV	HM3	---	---	---	---								
B-127A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
B-129A	SINGLE	2	36 x 84	WD	--	A	---	HM	0"	---	---	---	EXIST	---	---	---	---								
B-131A	SINGLE	5	36 x 84	AL	--	B	B	---	4 1/2"	J2	H2	---	SF1	---	YES	YES	1,2,4,6								

GENERAL DOOR NOTES

A. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. REFER TO A800 SERIES DRAWINGS FOR WALL FINISHES.
B. SEAL ALL JAMBS AND HEADS WHERE FRAMES MEET EXPOSED MASONRY AND/OR GYP/SUM BOARD.
C. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOOR FRAMES AND WHERE NOTED ON DRAWINGS. SCRIBE MOLD TO BE 3/4" X 3/4" X 1/8" ALUMINUM AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
D. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
E. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
F. SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.
G. FOR DOOR POSITION WITHIN WALL REFER TO FRAME MOUNTING DETAIL 1-A601.
H. FOR ELECTRICAL ROUGH-IN AT DOORS REFER TO DETAIL 2-A601.
I. FOR HOLLOW METAL FRAME ELEVATIONS (HM) REFER TO 3-A601. FOR HOLLOW METAL (HM) FRAME PROFILES REFER TO 4-A601.
J. FOR ALUMINUM STOREFRONT ELEVATIONS (SF) REFER TO 1-A610 FOR STOREFRONT (SF) FRAME PROFILES REFER TO 2-A610.
K. GLASS NOTED IN SIDE/LIGHT COLUMN FOR STOREFRONT OR CURTAIN WALL FRAMES WITH NO DOOR APPLIES TO ALL OPENINGS IN FRAME UNLESS NOTED OTHERWISE.
L. FIELD VERIFY FRAME DEPTHS AT EXISTING WALLS.
M. REFER TO SPECIFICATIONS FOR DOOR THICKNESS.
N. NO FIRE RATING IS REQUIRED ON DOORS SCHEDULED WITH --- IN LABEL COLUMN.

DOOR SCHEDULE NOTES (REMARKS):

1. DOOR TO HAVE ELECTRIC LATCH BOLT. PREPARE FRAME FOR ELECTRIFIED HINGE.
2. DOOR TO BE CONTROLLED BY CARD READER. REFER TO ELECTRICAL DRAWINGS FOR ROUGH IN.
3. PROVIDE DOOR RELEASE ON AI PHONE LOCATED AT RECEPTION DESK.
4. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF MASTIC. REFER TO 3/A-610.
5. KEYED REMOVABLE MULLION.
6. PREPARE DOOR AND FRAME FOR DOOR POSITION SWITCH.
7. INSTALL OPAQUE FILM ON ALL GLAZING IN EXISTING DOOR AND FRAME.
8. REINSTALL ALL SALVAGED ELECTRIFIED HARDWARE.
9. FRAME IS SHARED BY MULTIPLE DOORS.

DOOR AND FRAME SCHEDULE

DOOR													GLASS			FRAME			LABEL			HARDWARE			NOTES
NO	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	DOOR SIDE LOT	TRA	MAT'L	WIDTH	JAMB	HEAD	SILL	ELEV	EXIT DEVICE	CLOSER										
A-101A	SINGLE	3	36 x 84	WD	--	E	E	---	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF2	---	---	YES	1,2,6								
A-101B	SINGLE	3	36 x 84	WD	--	A	A	---	8 3/8"	SEE ELEV	SEE ELEV	SEE ELEV	HM2	---	---	YES	1,2,6								
A-101C	BORROWED LIGHT	---	36 x 52	---	---	---	E	---	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF3	---	---	---	---								
A-102A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-102AA	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-102B	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	---								
A-104A	SINGLE	1	36 x 84	WD	--	---	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	---								
A-105A	SINGLE	1	36 x 84	WD	--	---	---	HM	5 3/4"	J2	H2	---	HM1	---	---	---	---								
A-107A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	YES	---								
A-108A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-108B	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-109A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-109B	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-110A	SINGLE	2	36 x 84	WD	--	A	---	HM	8 3/8"	J2	H2	---	HM1	---	---	---	---								
A-112A	SINGLE	2	36 x 84	WD	--	A	---	HM	0"	---	---	---	EXIST	---	---	---	---								
A-113A	SINGLE	2	36 x 84	WD	--	E	---	HM	7 1/8"	J2	H2	---	HM1	---	---	---	---								
A-115A	SINGLE	2	36 x 84	WD	--	A	---	HM	5 3/4"	J2	H3	---	HM1	---	---	---	---								
A-122A	SINGLE	1	36 x 84	WD	--	---	---	HM	7 1/8"	J2	H2	---	HM1	---	---	---	---								
A-140A	SINGLE	5																							

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 CONTRACT).
(1) 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.

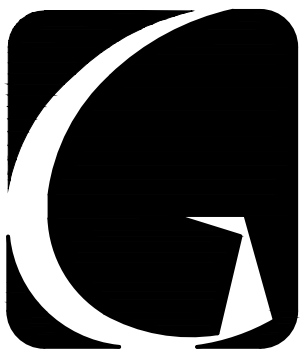
EQUIPMENT PLAN NOTES:

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

- 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.



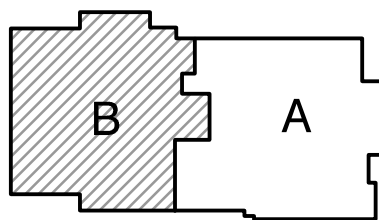
GIBRALTAR
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**BRUMMITT
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

21-136

DATE

11/30/22

COORDINATED BY

MMM

DRAWN BY

CLN

CHECKED BY

NAS

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE EXPRESS WRITTEN PERMISSION OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	01/18/23	ADDENDUM NO. 2

DRAWING

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

PROJECT

BRUMMITT ES - RENOVATIONS

© GIBRALTAR DESIGN

SHEET

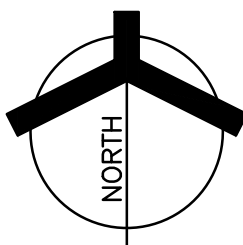
B

A-702



UNIT "B" EQUIPMENT FIRST FLOOR PLAN

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



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	30"	24"D X 29"H BASE, 2 DOORS, ADJUSTABLE SHELF
B4	10129	36"	24"D X 32"H BASE, 2 DOORS, ADJUSTABLE SHELF
B5	10432	36"	24"D X 32"H BASE, 2 DRAWERS, 2 DOORS, ADJUSTABLE SHELF
B6	10421	36"	24"D X 32"H BASE, 1 DRAWERS, 1 DOOR, ADJUSTABLE SHELF, RIGHT
B7	10339	24"	24"D X 29"H BASE, 3 DRAWERS
B8	10432	30"	24"D X 32"H BASE, 2 DRAWERS, 2 DOORS, ADJUSTABLE SHELF
B9	10403	48"	29"D X 29"H BASE, 5 EQUAL FULL EXTENSION DRAWERS
B10	10121	15"	24"D X 29"H BASE, 1 DOORS, ADJUSTABLE SHELF, LEFT HINGED
B11	10120	12"	24"D X 29"H BASE, 1 DOORS, ADJUSTABLE SHELF, RIGHT HINGED
B12	10120	24"	24"D X 29"H BASE, 1 DOORS, ADJUSTABLE SHELF, RIGHT HINGED
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
M1	22241	30"	24"D X 42"H OPEN MAIL SLOTS
W1	16121	12"	14"D X 30"H WALL, DOOR, LEFT HINGED, ADJUSTABLE SHELVES.
W2	16120	12"	14"D X 30"H WALL, DOOR, RIGHT HINGED, ADJUSTABLE SHELVES.
W3	16129	36"	14"D X 18"H WALL, 2 DOOR, ADJUSTABLE SHELVES.
W4	16129	36"	14"D X 30"H WALL, DOOR, ADJUSTABLE SHELVES.
W5	16129	39"	14"D X 30"H WALL, DOOR, ADJUSTABLE SHELVES.
W6	16129	42"	14"D X 30"H WALL, DOOR, ADJUSTABLE SHELVES.
W7	16121	24"	14"D X 30"H WALL, DOOR, ADJUSTABLE SHELVES, HINGE LEFT
W8	16120	15"	14"D X 30"H WALL, DOOR, RIGHT HINGED, ADJUSTABLE SHELVES.
W9	16121	15"	14"D X 30"H WALL, DOOR, LEFT HINGED, ADJUSTABLE SHELVES.
W10	16120	22"	14"D X 30"H WALL, DOOR, RIGHT HINGED, ADJUSTABLE SHELVES.
T1	16284	36"	14"D X 30"H WALL, 2 DOOR, LOCKABLE NARCOITICS LOCKER
T2	26610	36"	24"D X 84"H TALL WARDROBE, 2 DOORS, FILE UNIT, LOCKABLE
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

GENERAL NOTES (APPLIES TO PLASTIC LAMINATE CASEWORK)

- REFER TO EQUIPMENT PLANS FOR CASEWORK LOCATIONS AND FINISH LEGEND IN "A-800" SERIES DRAWINGS FOR FINISH INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 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.
- VERIFY ALL PLAN AND CASEWORK DIMENSIONS WITH CASEWORK MANUFACTURER.
- ALL COUNTERTOPS TO BE PLASTIC LAMINATE WITH 4" HIGH PLASTIC LAMINATE BACKSPASH AND/OR ENDSPLASH AT ALL LOCATIONS WHERE COUNTERTOP MEETS ADJACENT SURFACE (UNLESS NOTED OTHERWISE).
- PROVIDE 3MM PVC EDGE ON ALL PLASTIC LAMINATED COUNTERTOPS AND BACKSPASHES.
- PROVIDE A 4" HIGH TOE SPACE ON ALL BASE AND FULL HEIGHT CABINETS.
- ALL EXPOSED CASEWORK SURFACES TO BE PLASTIC LAMINATE FINISHED, INCLUDING OPEN INTERIORS OF CABINETRY (UNLESS NOTED OTHERWISE).
- ALL EXPOSED CASEWORK ENDS SHALL BE FINISHED TO MATCH CASEWORK FRONTS.
- PROVIDE CONTINUOUS PLASTIC LAMINATE SLOPED TOPS ON ALL WALL AND FULL HEIGHT CABINETS (UNLESS OTHERWISE NOTED).
- 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.
- PROVIDE LOCKS ON ALL WARDROBE UNITS KEYED ALIKE BY ROOM.
- ALL ADJOINING CABINETS SHALL BE ALIGNED.
- WHERE CASEWORK REQUIRES SHIMMING, PROVIDE ONLY APPROVED METAL SHIMS.
- CABINETS LOCATED IN FRONT OF A PIPE CHASE SHALL HAVE REMOVABLE BACKS.
- PROVIDE JOINT SEALANT AT ALL JUNCTIONS OF CASEWORK / COUNTERTOPS WITH ADJACENT WALL OR CASEWORK.
- 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.
- REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR DEVICE TYPES, HEIGHTS AND LOCATIONS.
- REFER TO PLUMBING DRAWINGS AND SCHEDULES FOR FIXTURE TYPES AND LOCATIONS. REFER TO PLUMBING DRAWINGS FOR PLUMBING CONNECTIONS.
- ALL CUTTING, DRILLING AND PATCHING OF CASEWORK AND COUNTERTOPS AS REQUIRED FOR INSTALLATION OF PIPING OR CONDUIT SHALL BE BY CASEWORK MANUFACTURER / INSTALLER.
- REFER TO "G" SERIES SHEETS FOR MOUNTING HEIGHTS OF EQUIPMENT AND ACCESSORIES.

KEY NOTES (APPLIES TO PLASTIC LAMINATE CASEWORK)

- LINE OF FINISHED FLOOR
- WALL LINE
- NOT USED
- FINISHED BACK/END PANEL
- PAPER TOWEL DISPENSER (OFCI)
- 4" TOE SPACE WITH VINYL BASE BY FLOORING INSTALLER
- SOAP DISPENSER (OFCI)
- SLOPED TOP (CONTINUOUS)
- 25"D COUNTERTOP WITH 4" BACKSPASH AND SIDESPLASH UNLESS NOTED OTHERWISE
- SINK, REFERENCE PLUMBING DRAWINGS
- FILLER PANEL

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

21-136

DATE

11/30/22

COORDINATED BY

MMM

DRAWN BY

AB

CHECKED BY

DJW

COPYRIGHT NOTICE:

THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK DATE ISSUED FOR

AD-2 01/18/23 ADDENDUM NO.2

DRAWING

CASEWORK SCHEDULE AND ELEVATIONS

PROJECT

BRUMMITT ES - RENOVATIONS

GIBRALTAR DESIGN

SHEET

A-730



GIBRALTAR DESIGN

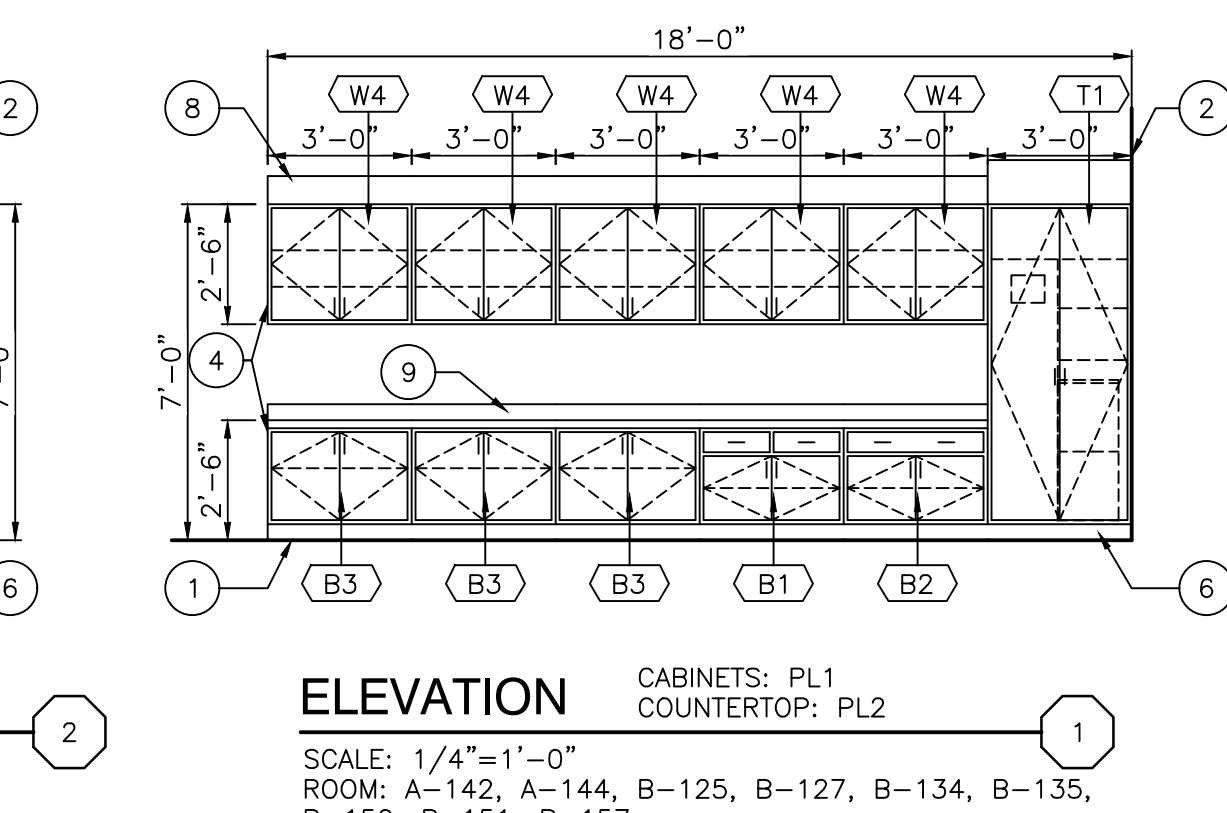
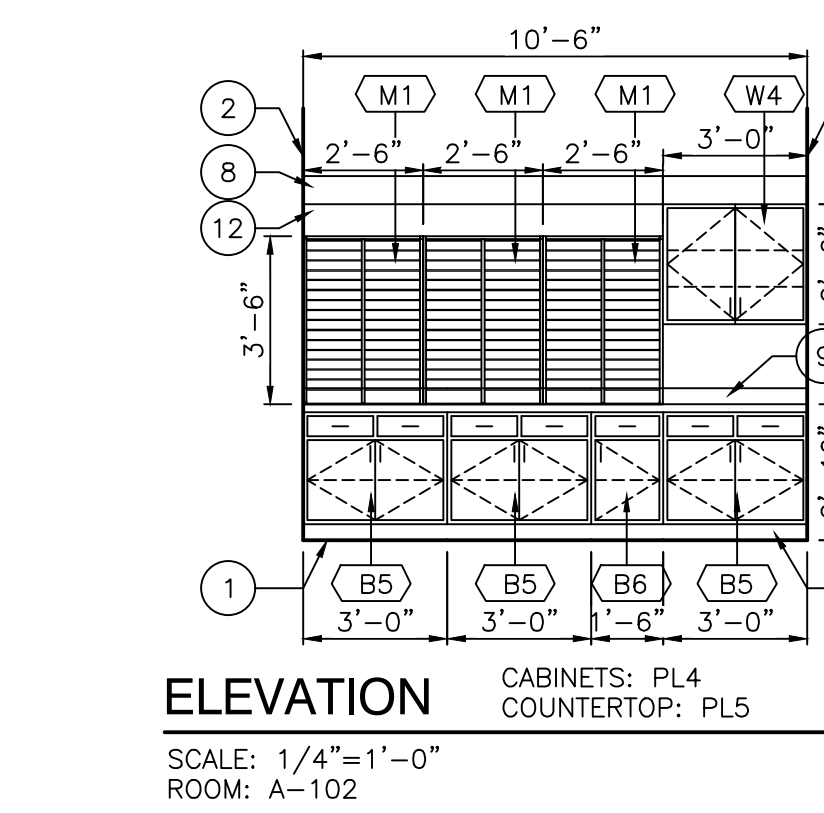
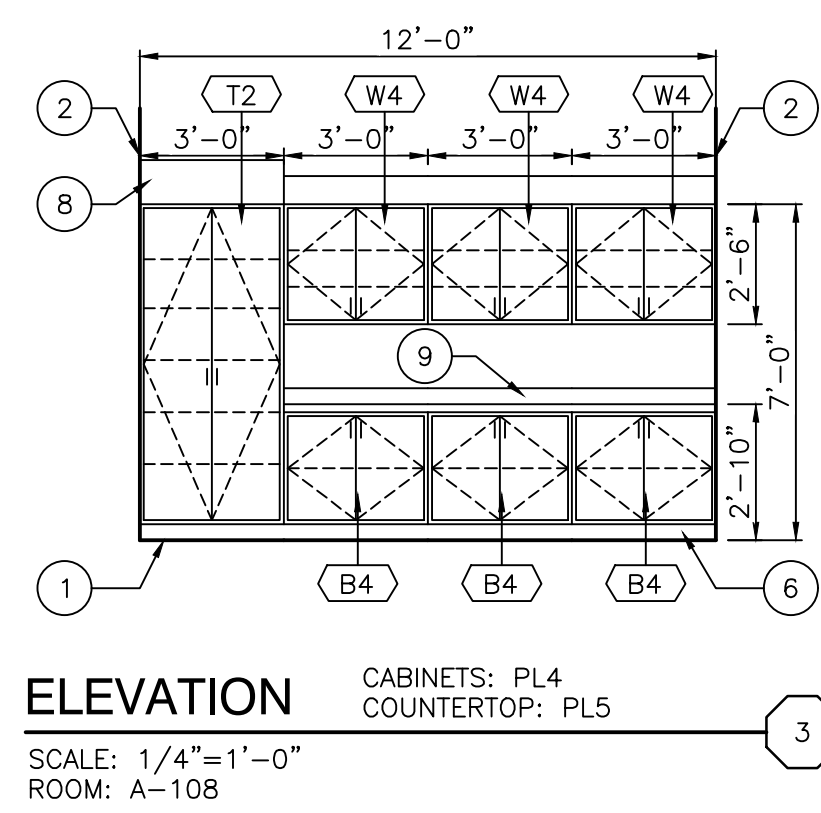
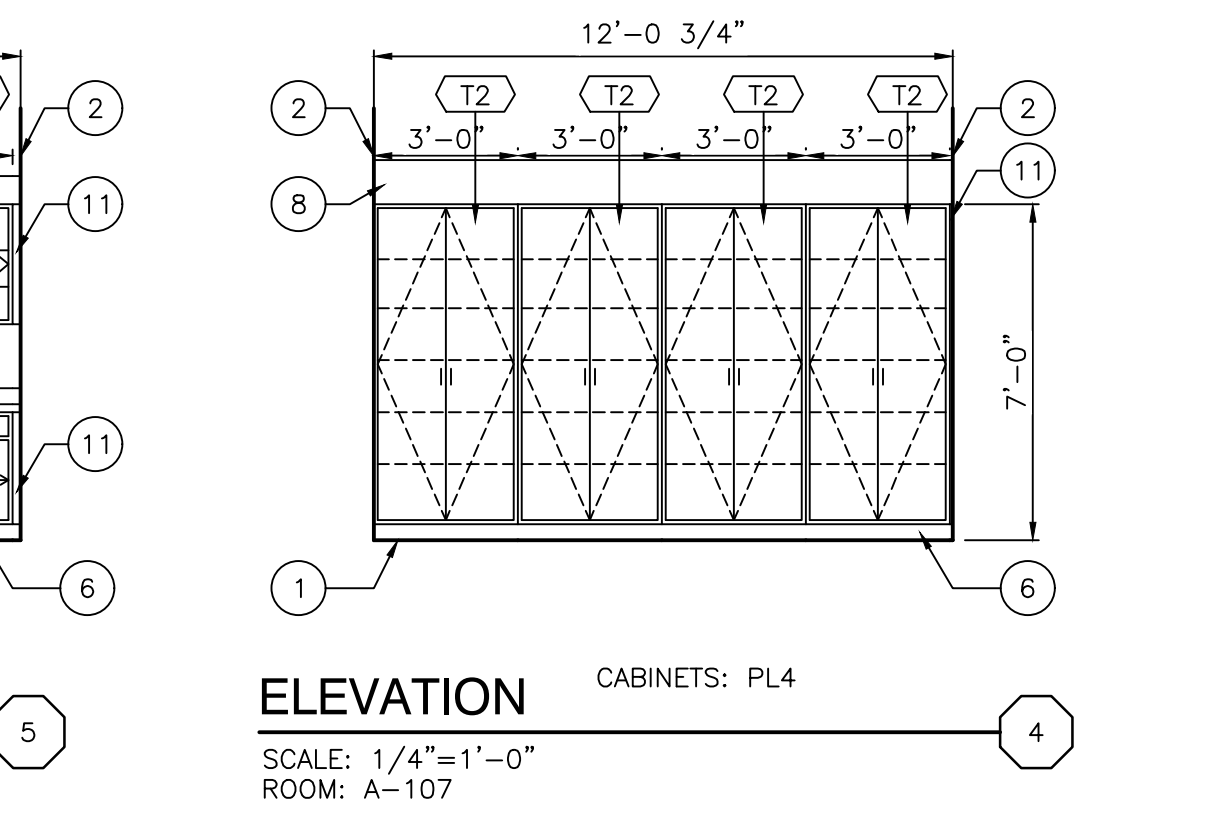
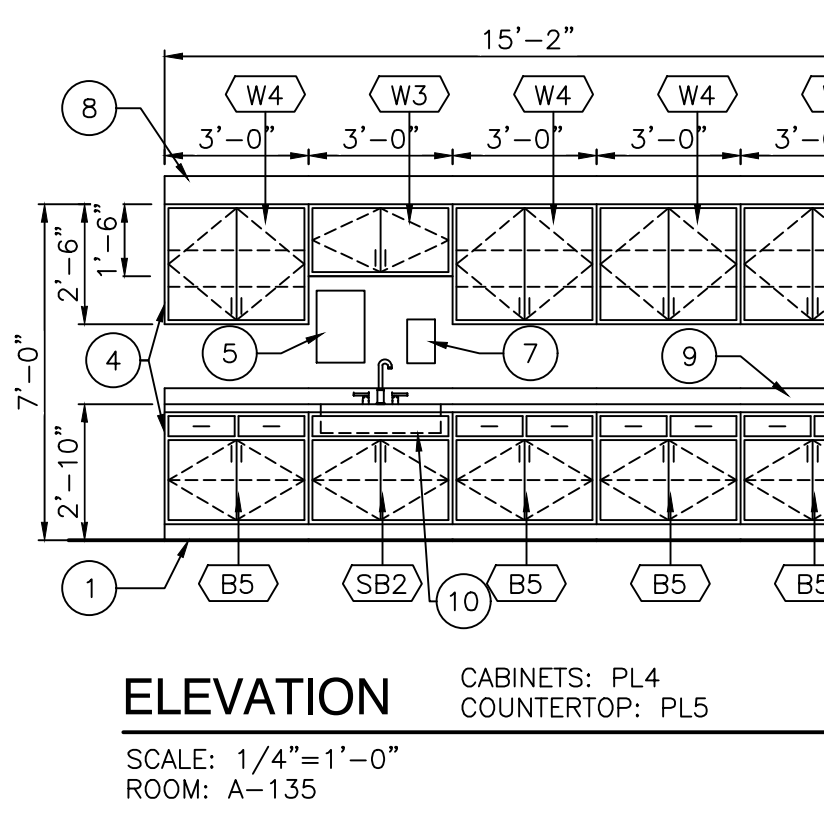
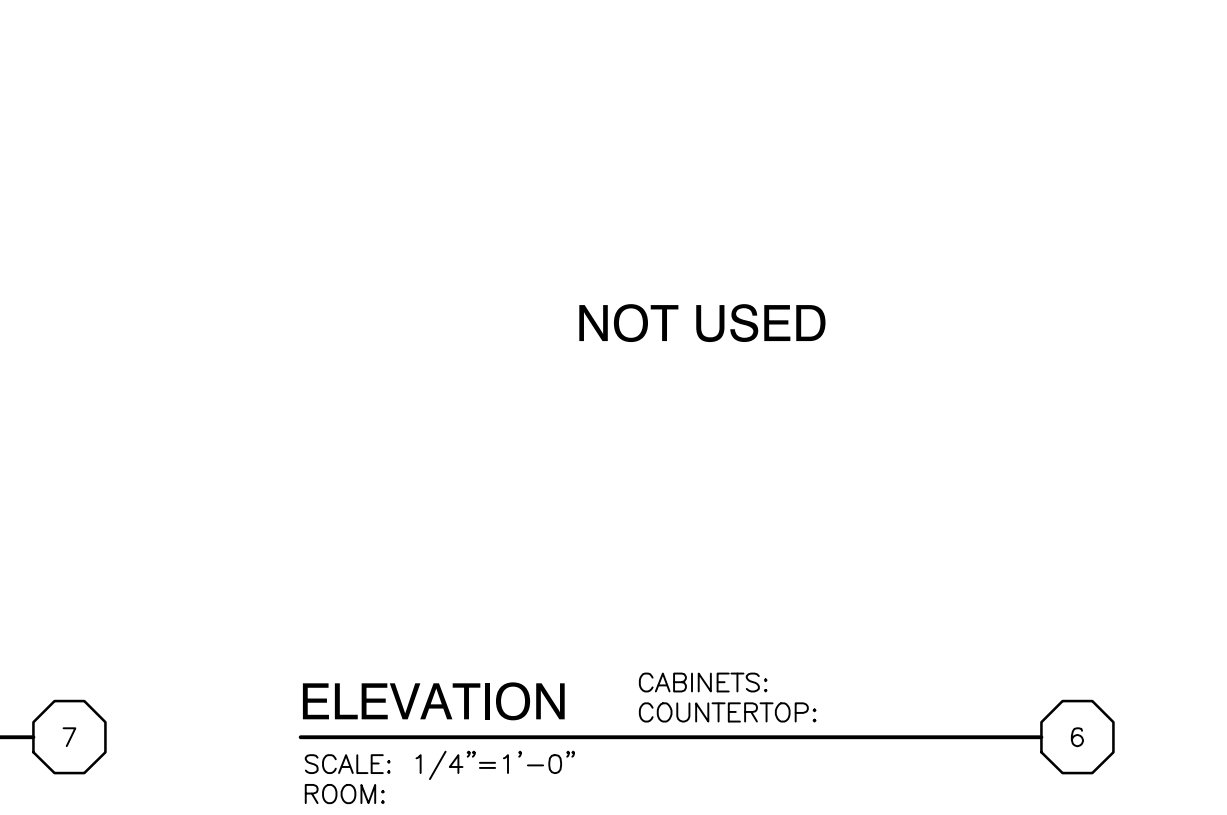
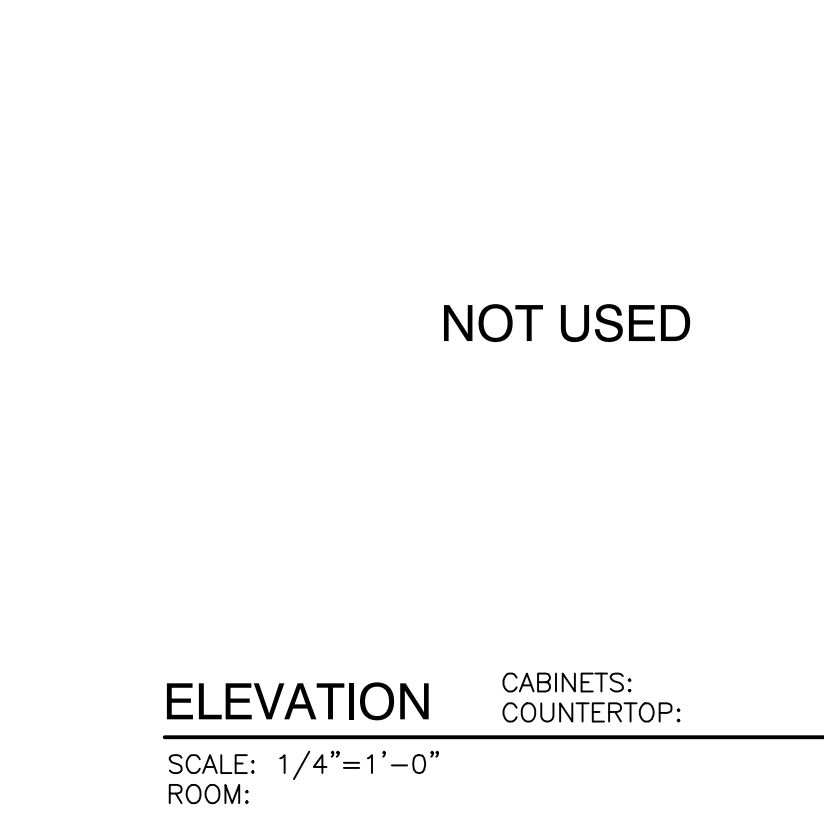
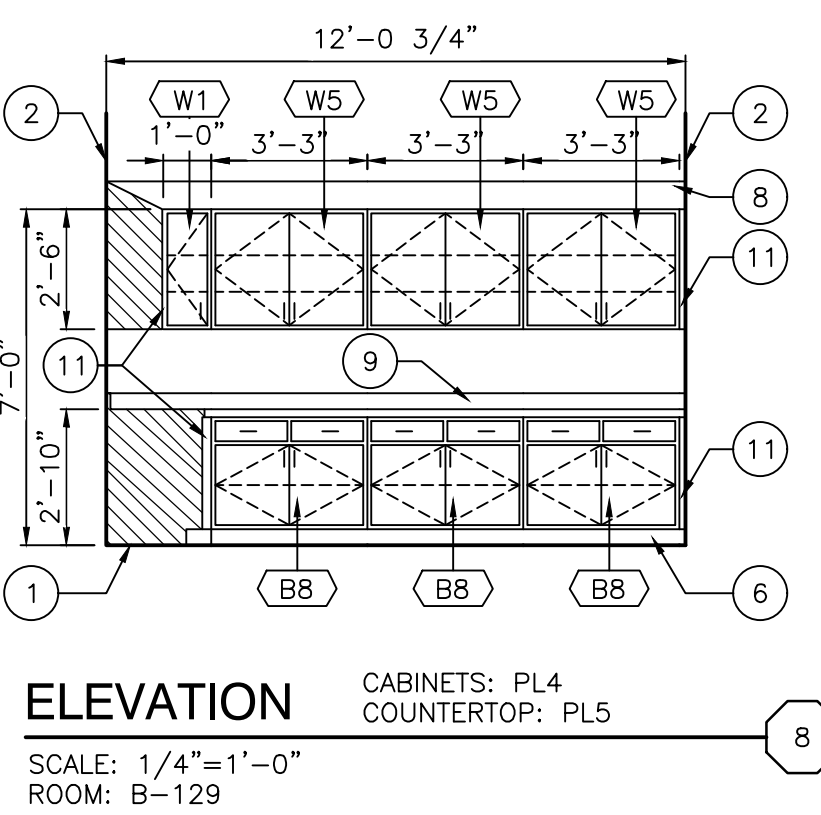
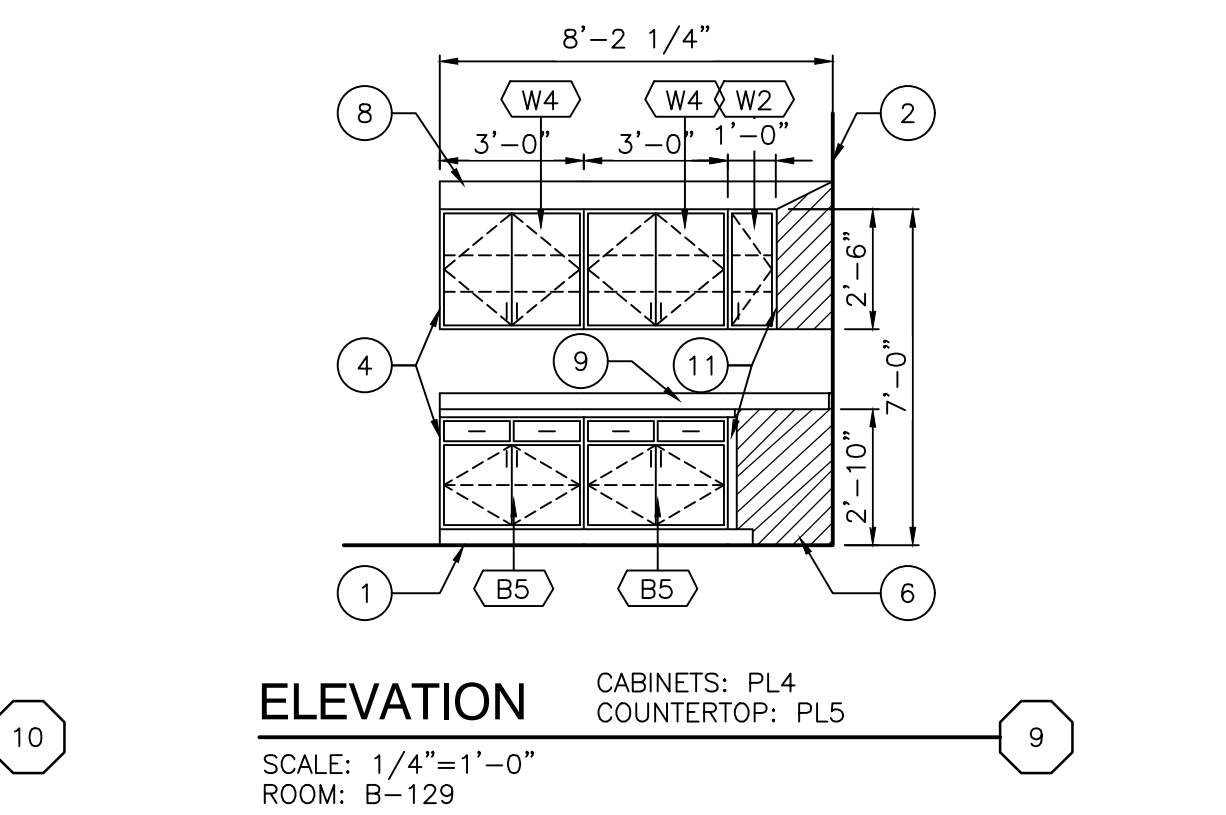
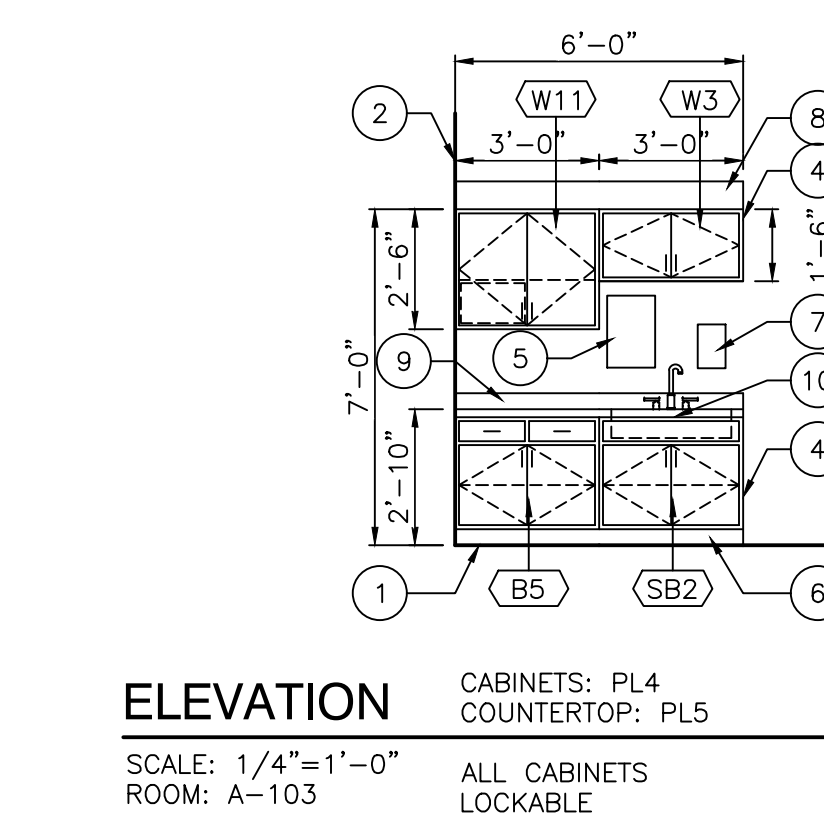
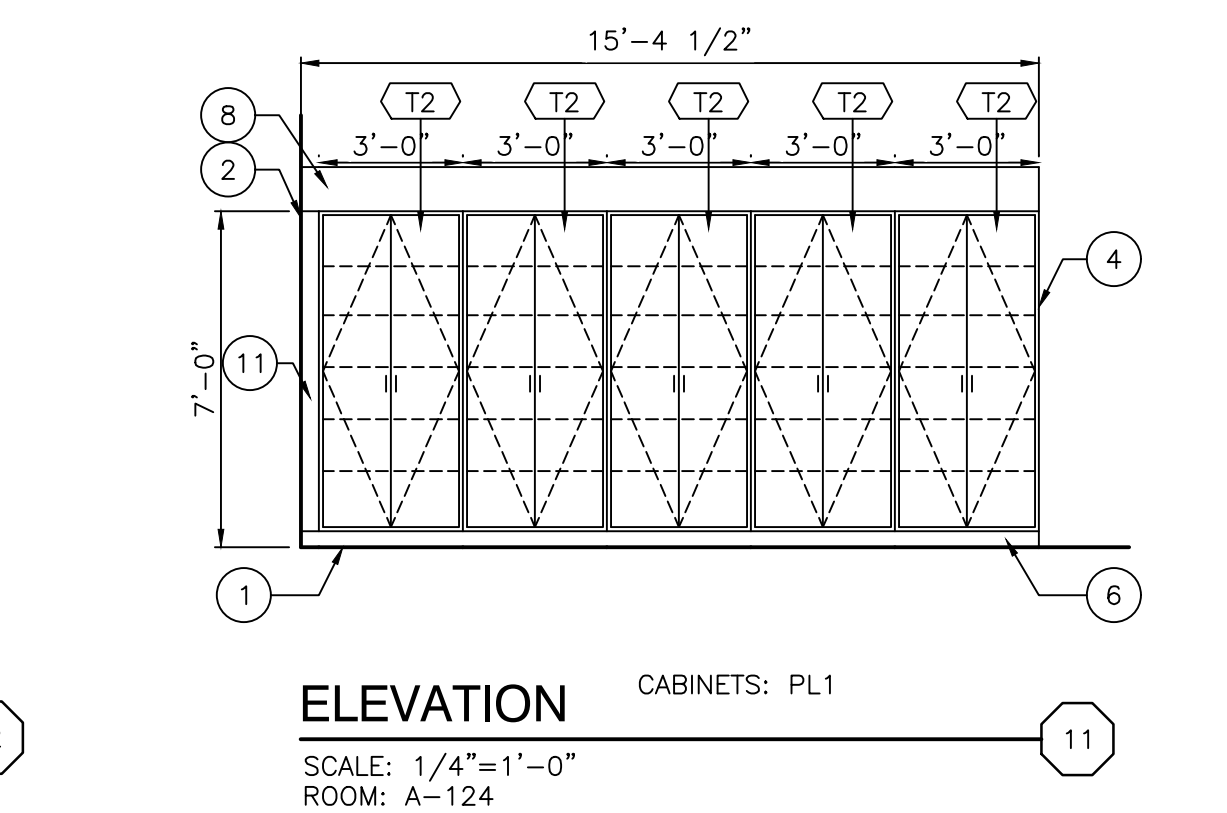
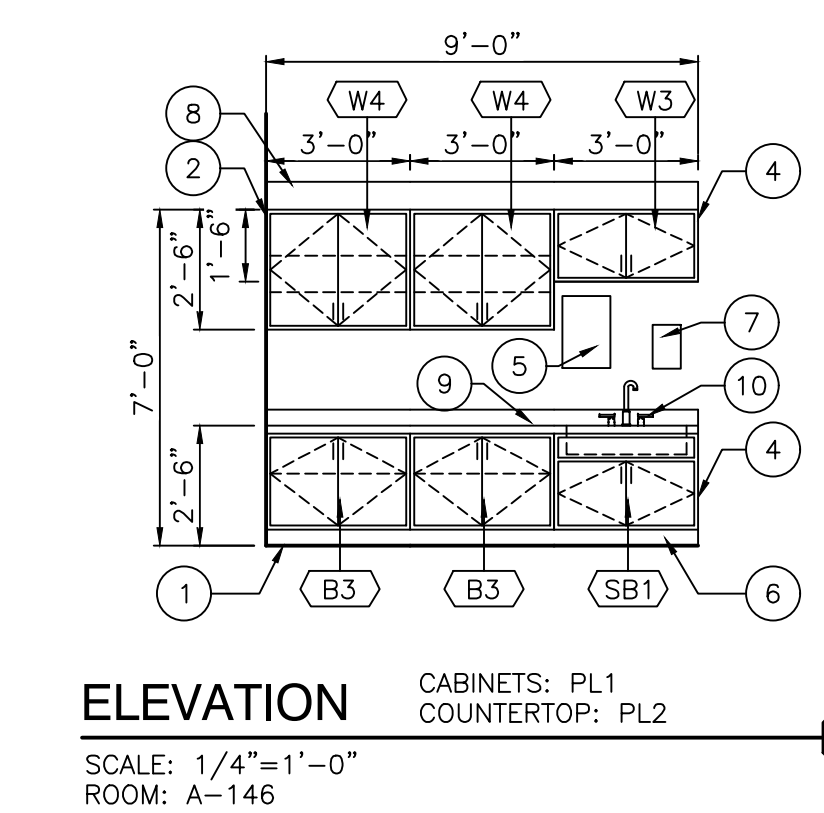
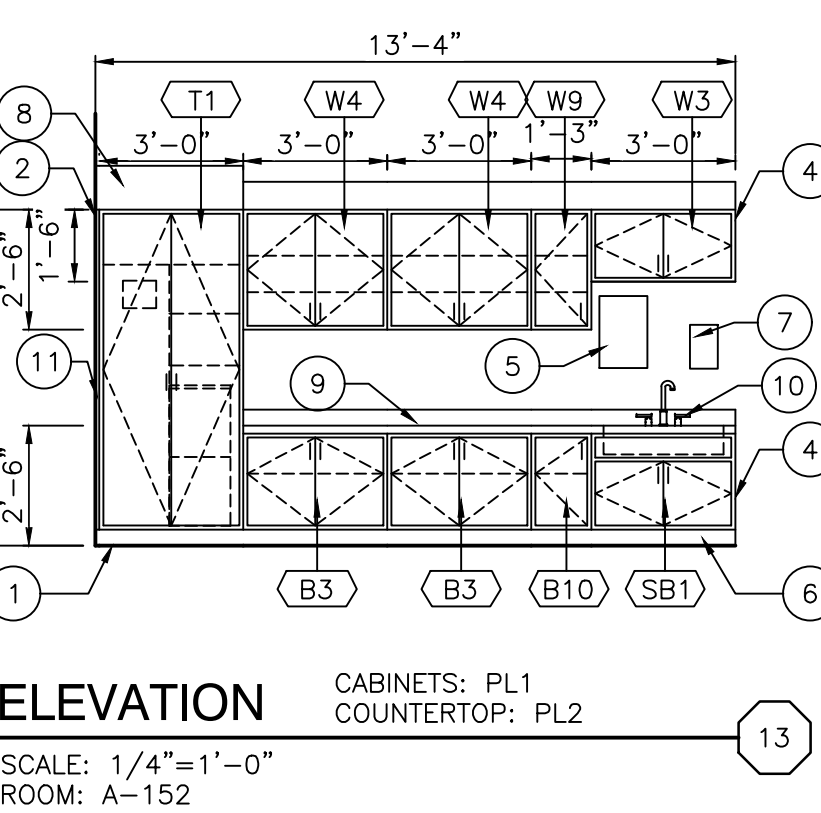
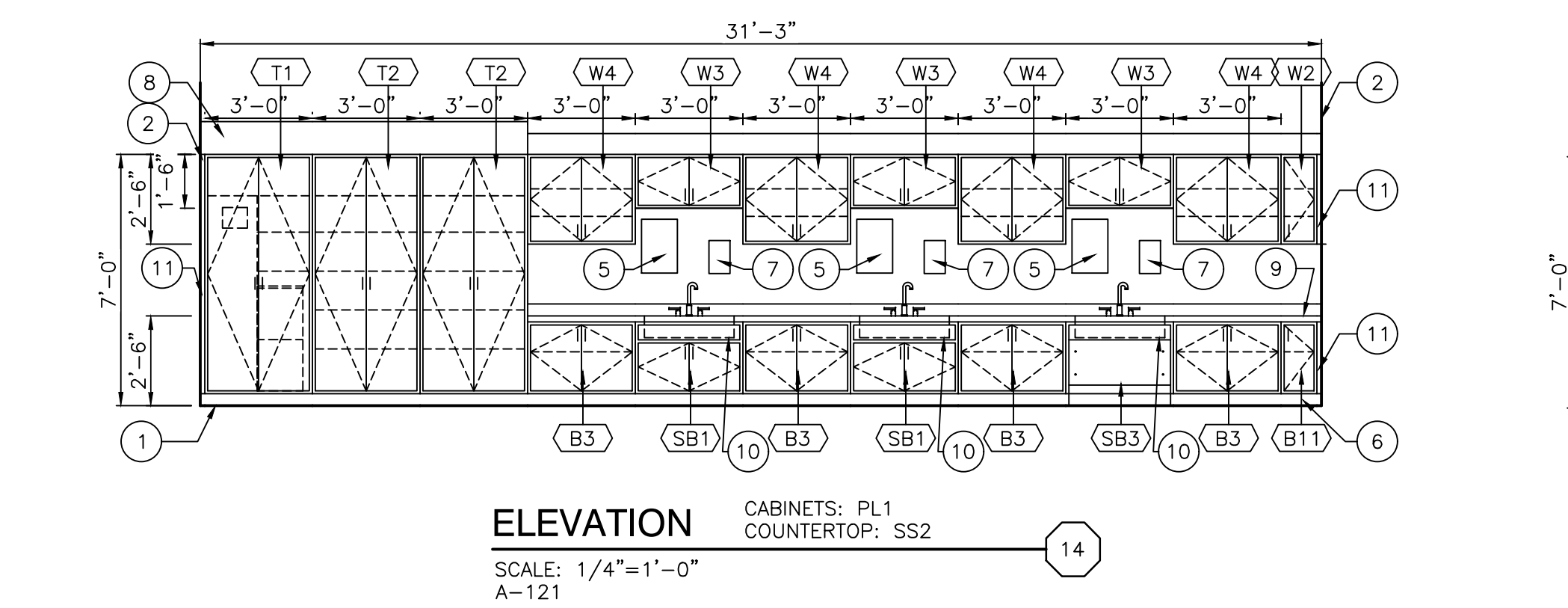
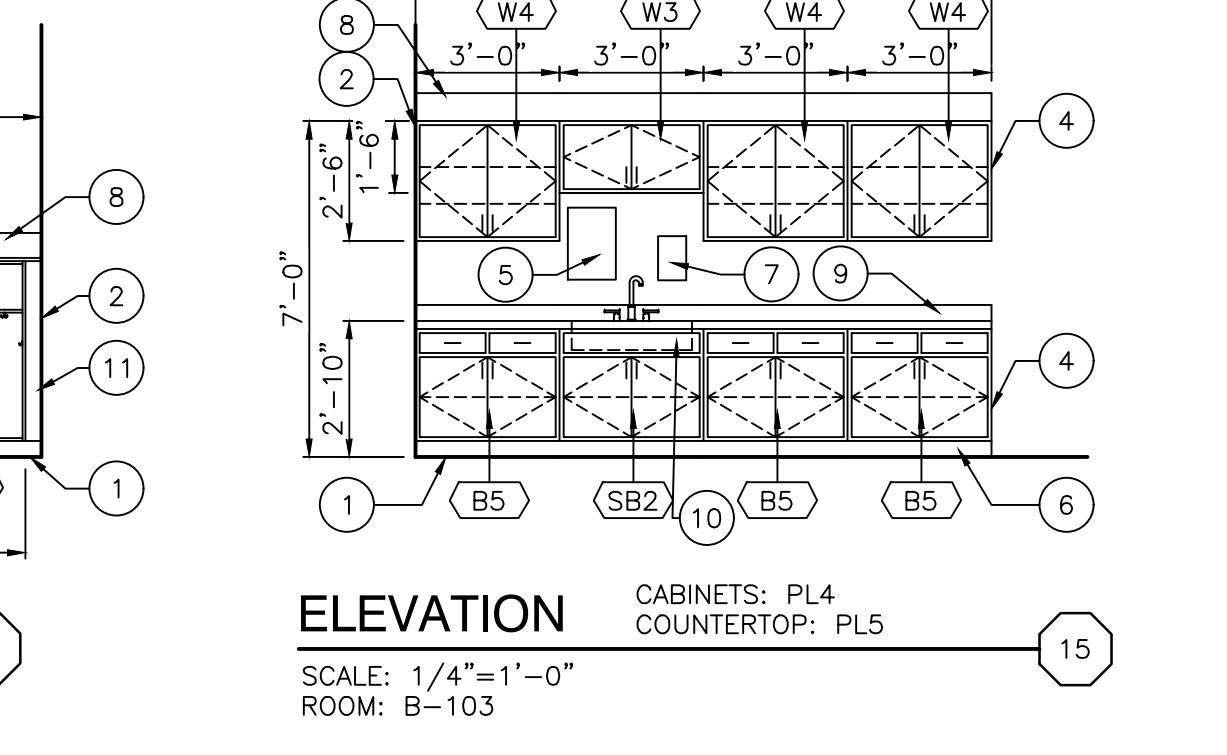
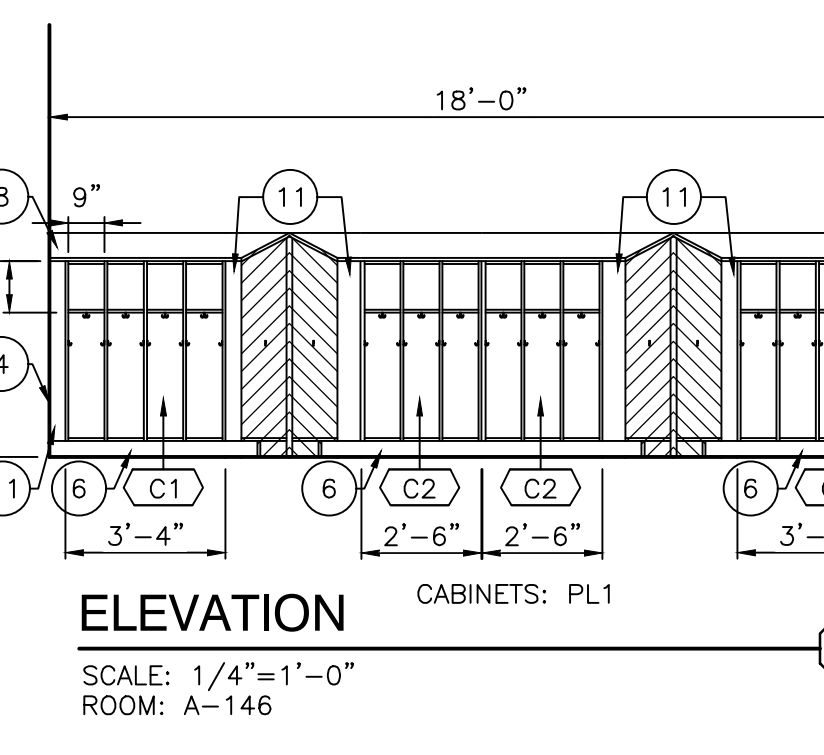
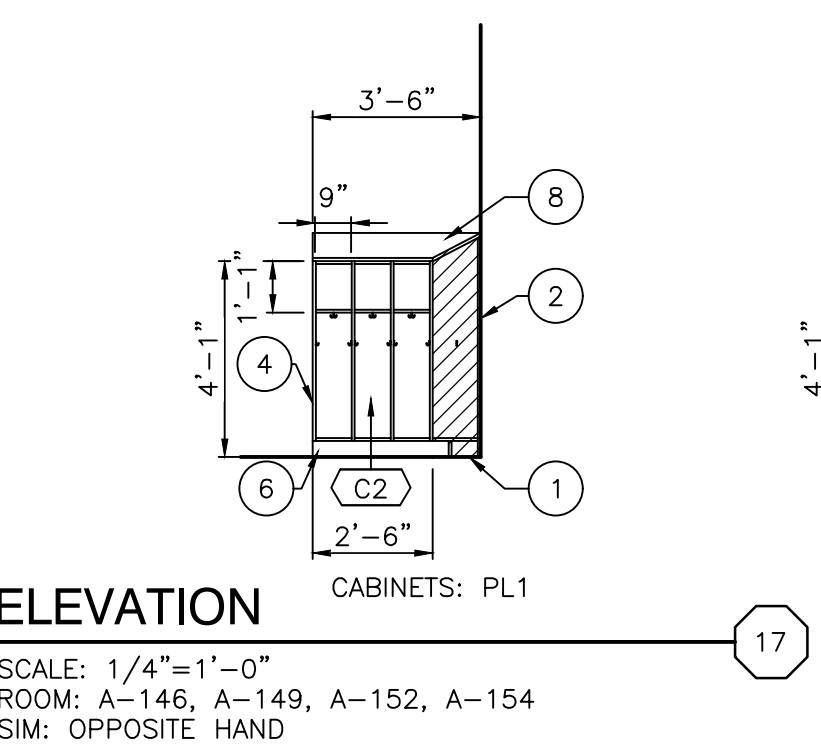
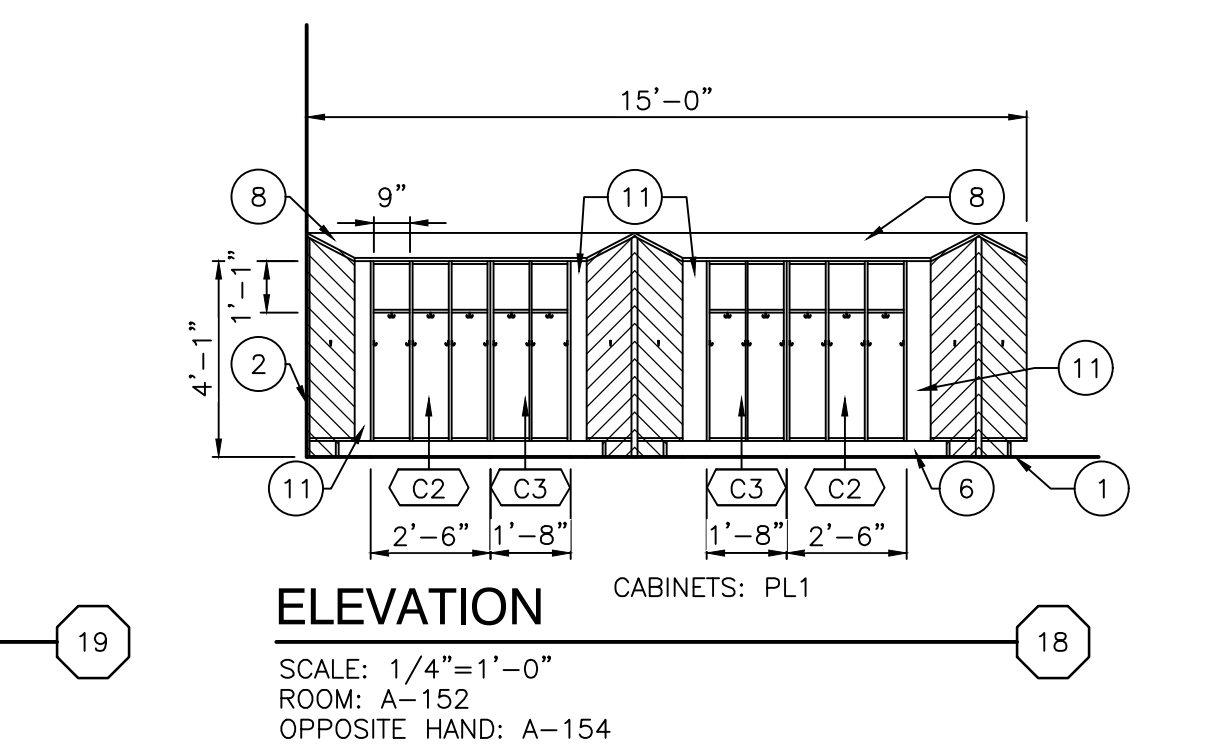
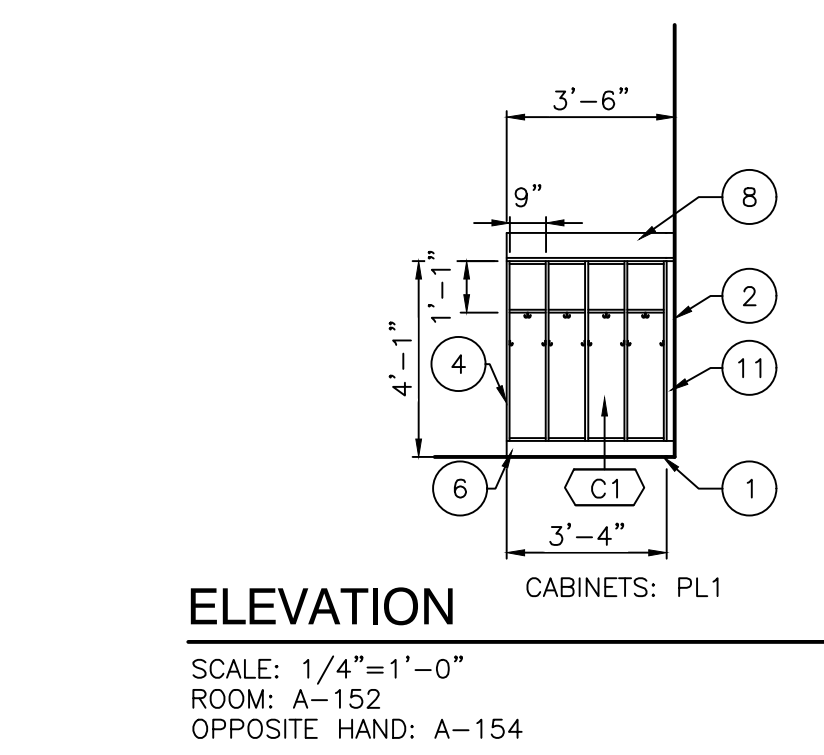
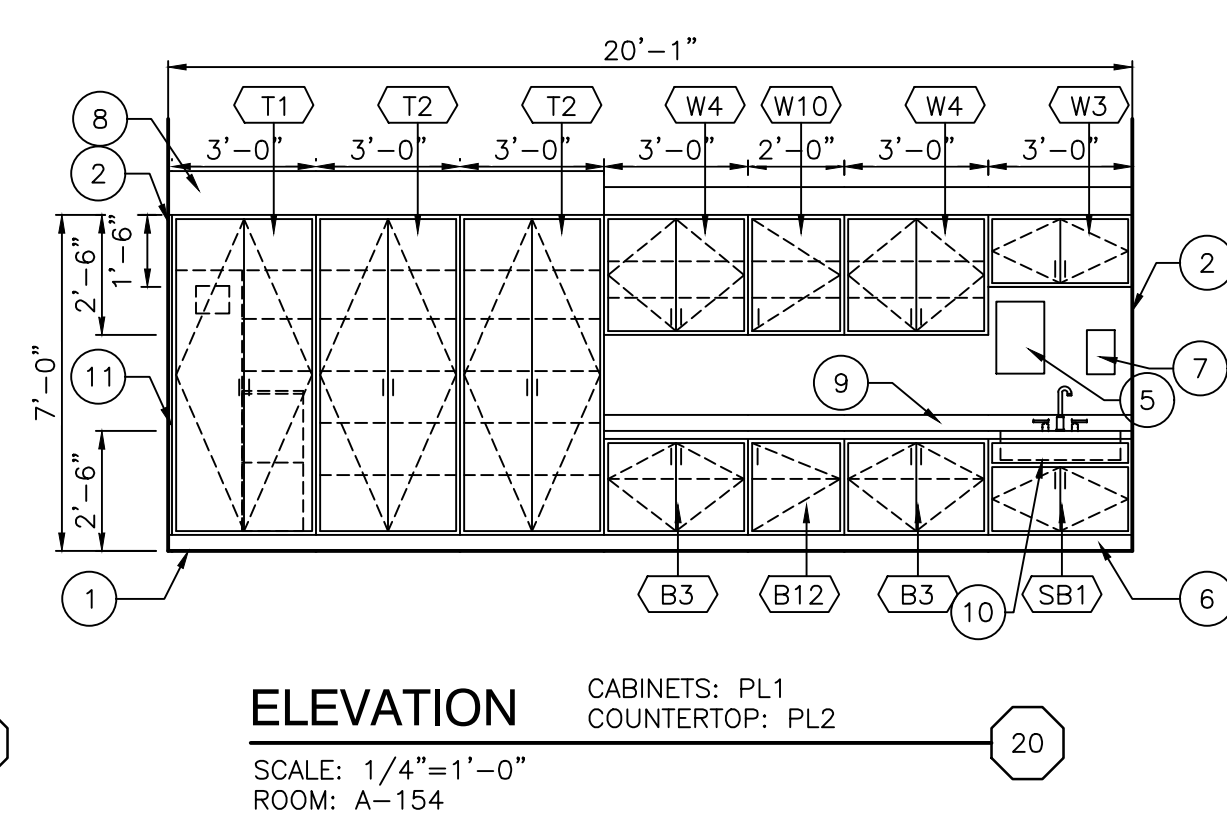
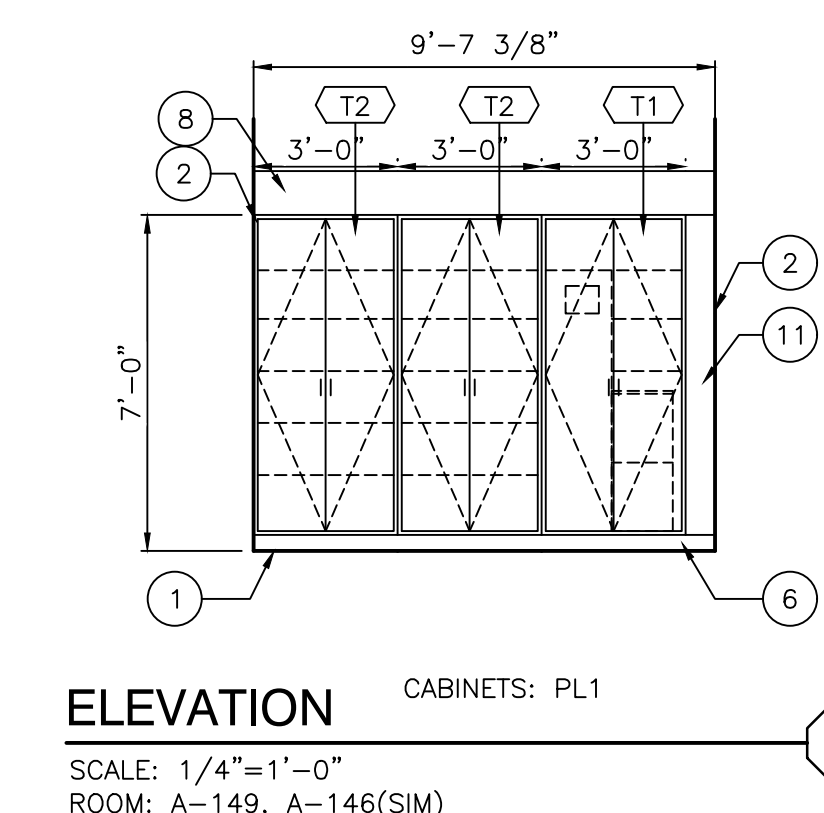
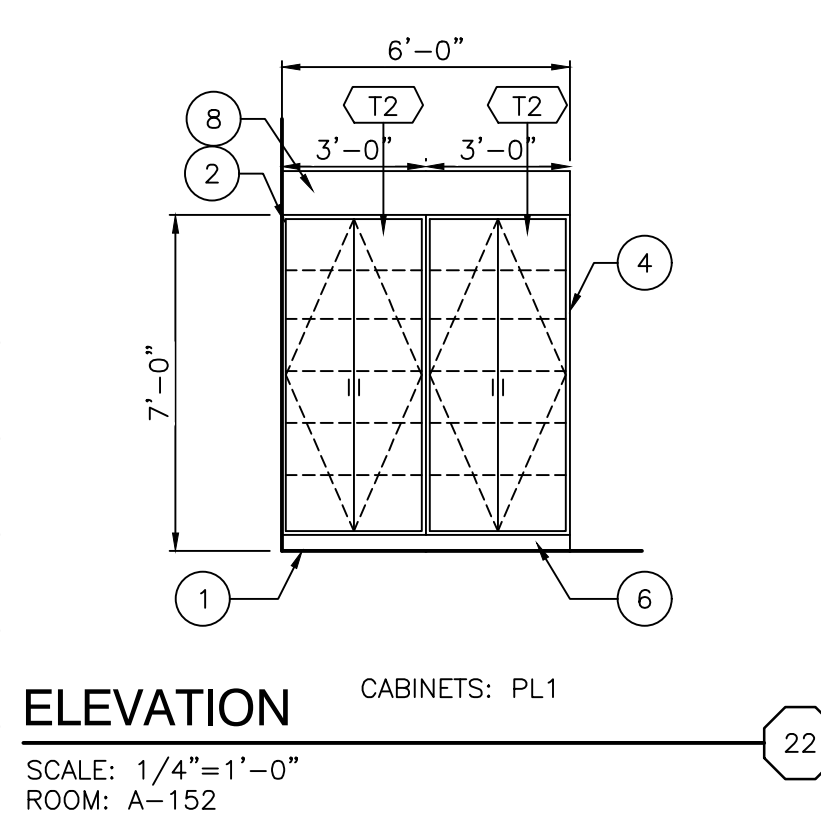
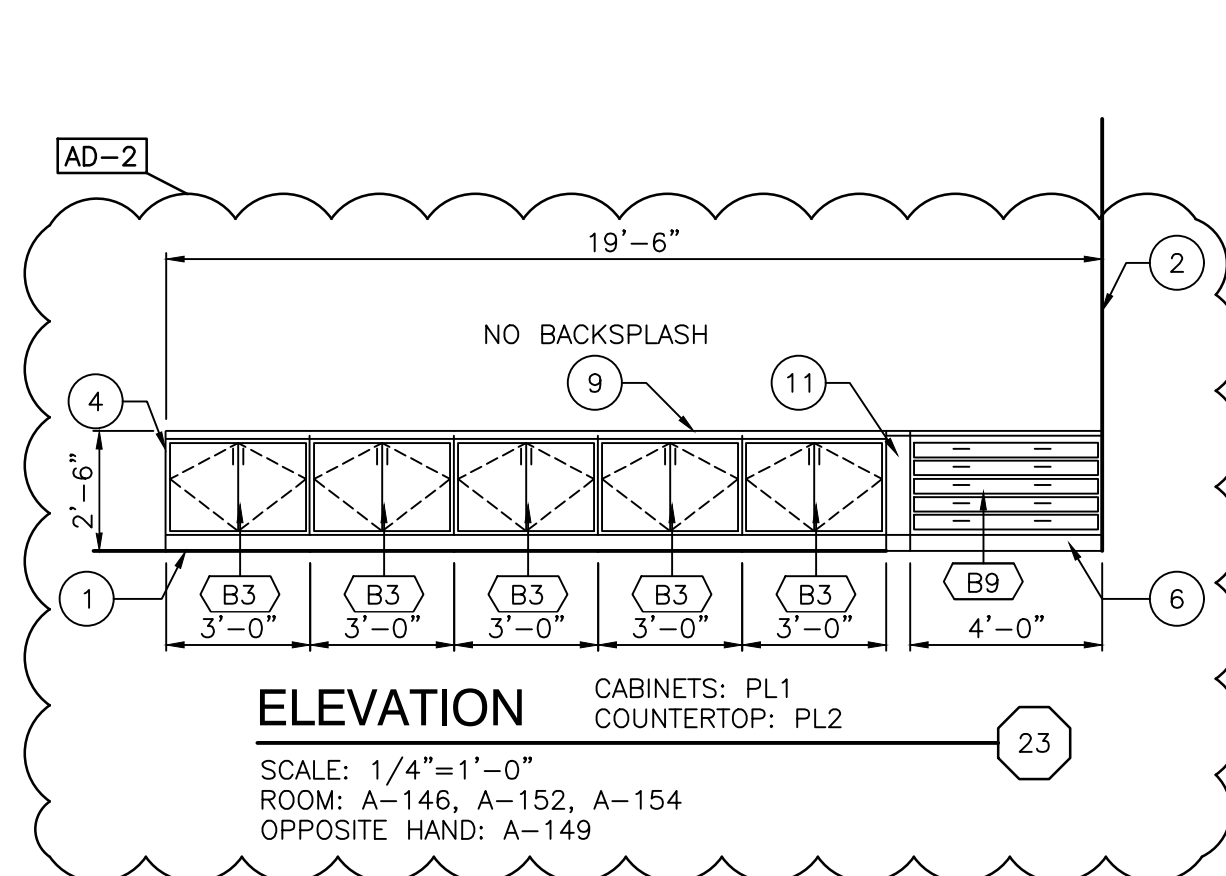
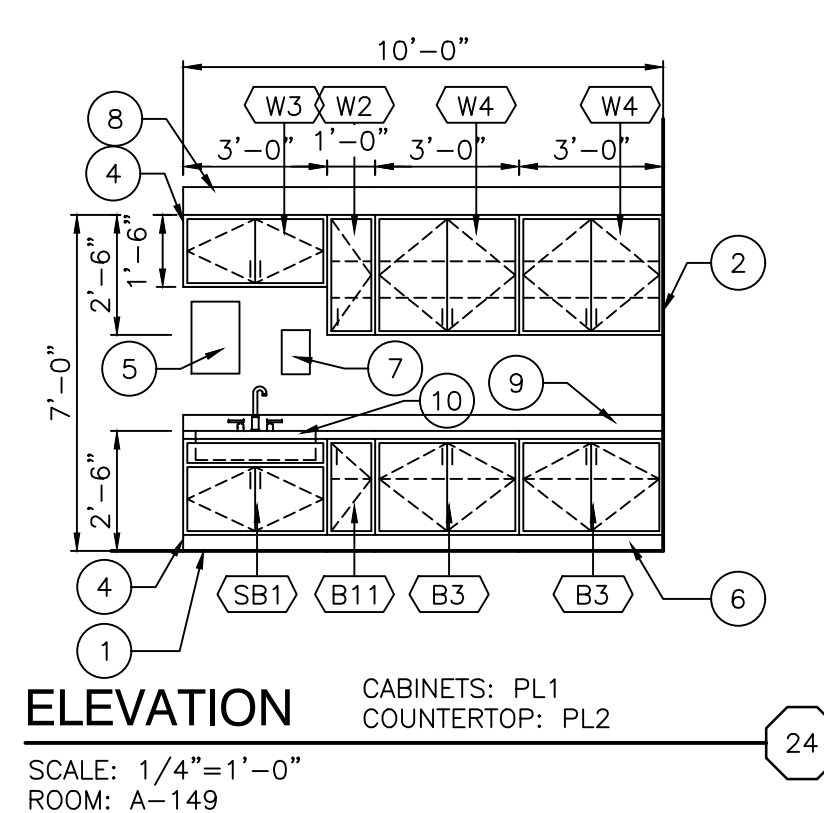
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

BRUMMITT
ELEMENTARY
SCHOOL -
RENOVATIONS

DUNELAND SCHOOL CORPORATION

CHESTERTON, INDIANA



BRUMMITT
ELEMENTARY
SCHOOL -
RENOVATIONS

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA

- 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 SUBSTRATE. 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 NEW FINISHES WITHOUT THE ARCHITECT'S APPROVAL AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISHES ARE IN PLACE.
- 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 LEVELLED WITHIN 1/4" IN 10'-0" WITH LATHE AND PLASTER. MOISTURE NOTING 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 NOTING IN AREA OF SEAM 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 ALKYD 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 ZERO TO LOW VOC EMISSION RATING, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.
- 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.

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	MISC FINISH INFORMATION

↑
↓
INDICATES DIRECTION OF MATERIAL GRAIN

- 1 NO NEW FINISHES THIS ROOM, EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
- 2 MATCH EXISTING WALL FINISHES AND PROVIDE NEW WALL BASE TO MATCH EXISTING.
- 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 NOT USED. AD-2
- 18 PAINT, SEE ELEVATION A-860
- 19 WALLCOATING, W4
- 20 SCHULTER TILE TRIM AT ALL NEW OUTSIDE CORNERS
- 21 MATCH EXISTING WALL FINISHES, WALL TILE FULL HEIGHT.
- 22 WALL PADDING TO REMAIN, PAINT ALL EXPOSED WALL SURFACE. AD-2
- 23 WALL TILE, WT1, TILE TO ALIGN WITH HEIGHT OF TOP OF DOOR.
- 24 SCHULTER AT VERTICAL TILE EDGE AND OR OUTSIDE CORNER
- 25 REFER TO A-101 AND A-102 FOR ADDITIONAL WORK REQUIRED FOR TILE INSTALLATION IN THIS ROOM.



GIBRALTAR DESIGN

GIBALTAR 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 21-136	
DATE 11/30/22	
COORDINATED BY MMM	
DRAWN BY CLN	
CHECKED BY NAS	

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON
THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND
WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF
THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM
FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT
OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR
INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS

REVISIONS		
MARK	DATE	ISSUED FOR
AD-2	01/18/23	APPENDUM NO. 2

DRAWING
UNIT "A" FIRST FLOOR FINISH
PLAN

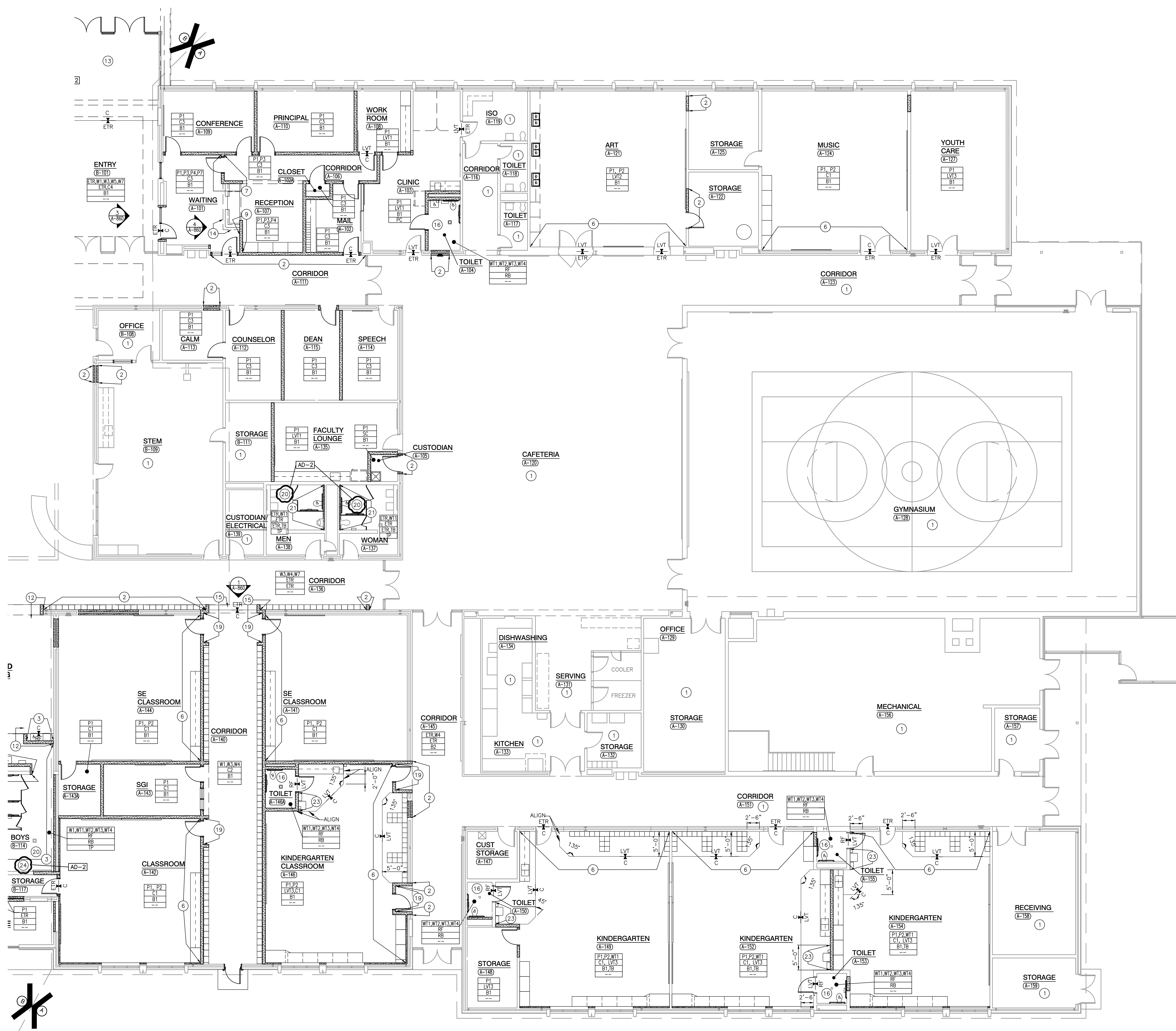
PROJECT
BRUMMITT ES - RENOVATIONS

© GIBRALTAR DESIGN

SHEET

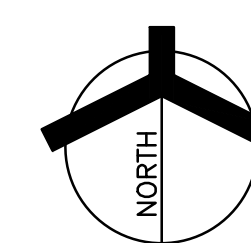
A

A-801



UNIT "A" FIRST FLOOR FINISH PLAN

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



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 MANUFACTURER'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.

FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
---	MISC FINISH INFORMATION

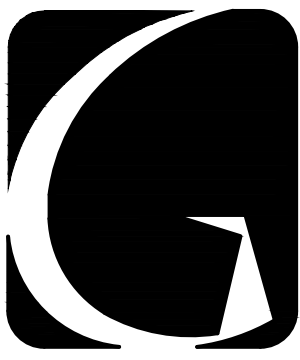
— FLOOR TRANSITION STRIP AS REQUIRED

↑ INDICATES DIRECTION OF MATERIAL GRAIN

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 AND PROVIDE NEW WALL BASE TO MATCH EXISTING.
- 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
- NOT USED
- PAINT, SEE ELEVATION A-860
- WALLCOATING, W4
- SCHULER TILE TRIM AT ALL NEW OUTSIDE CORNERS
- MATCH EXISTING WALL FINISHES, WALL TILE FULL HEIGHT
- WALL PADDING TO REMAIN. PAINT ALL EXPOSED WALL SURFACE.
- WALL TILE, WT1, TILE TO ALIGN WITH HEIGHT OF TOP OF DOOR. PROVIDE SCHULER AT VERTICAL TILE EDGE AND/OR OUTSIDE CORNER.
- REFER TO A-101 AND A-102 FOR ADDITIONAL WORK REQUIRED FOR TILE INSTALLATION IN THIS ROOM.



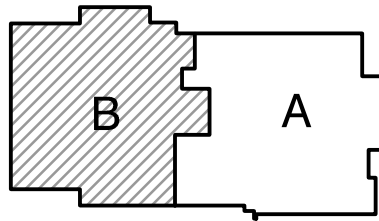
GIBRALTAR
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**BRUMMITT
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

21-136

DATE

11/30/22

COORDINATED BY

MMM

DRAWN BY

CLN

CHECKED BY

NAS

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE EXPRESS WRITTEN PERMISSION OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	01/18/23	ADDENDUM NO. 2

DRAWING

UNIT "B" FIRST FLOOR FINISH
PLAN

PROJECT

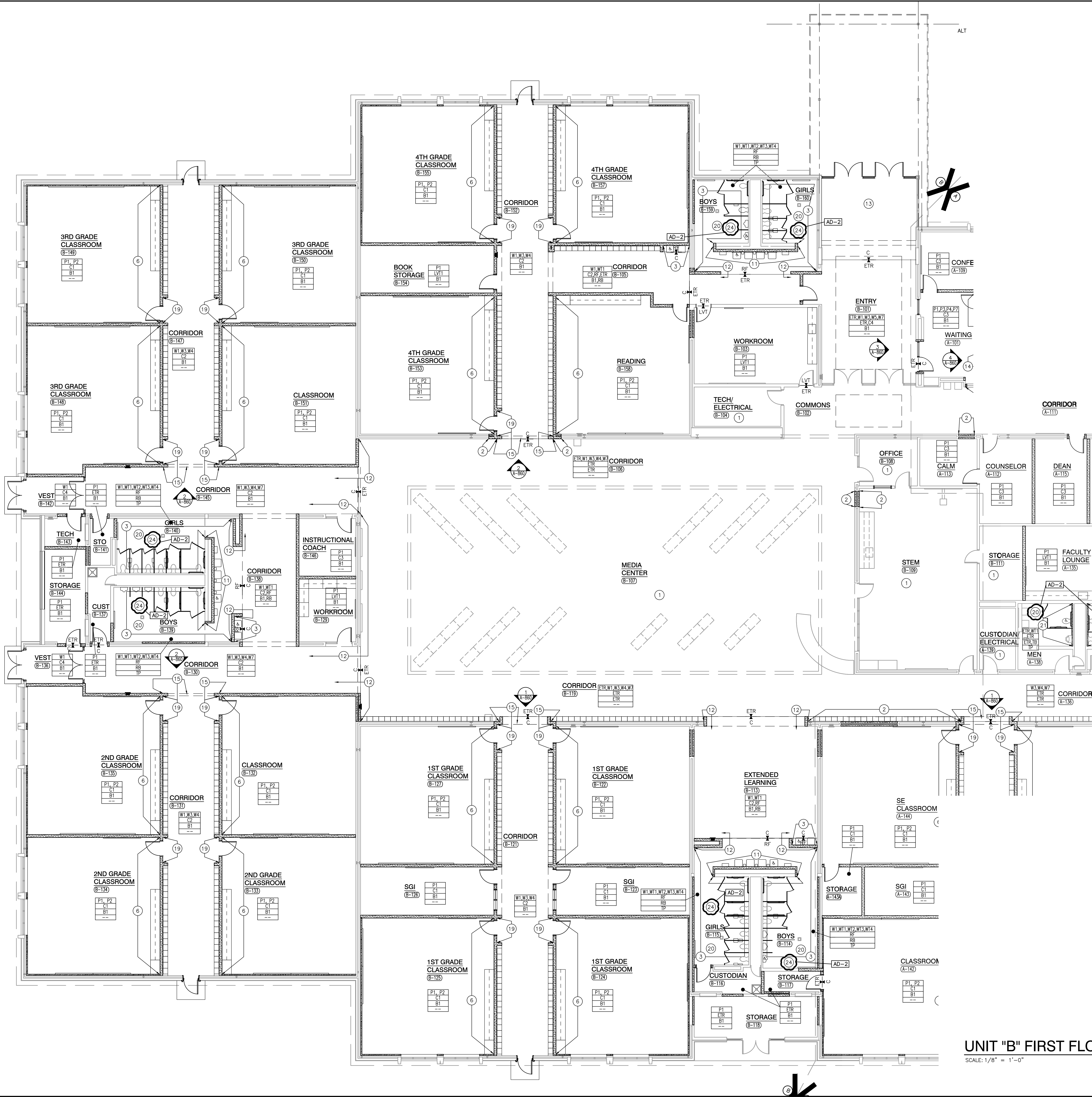
BRUMMITT ES - RENOVATIONS

© GIBRALTAR DESIGN

SHEET

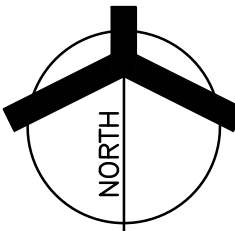
B

A-802



UNIT "B" FIRST FLOOR FINISH PLAN

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



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 IN THIS PROJECT.)

- GYPSUM CEILING OR BULKHEAD REFER TO TYPICAL BULKHEAD DETAILS (1/A-901) AND WALL SECTIONS
- EIFS SOFFIT (EXTERIOR) ON 5/8" GYP SHEATHING AND METAL FRAMING/SUSPENSION SYSTEM. REFER TO WALL SECTIONS FOR INSULATION THICKNESS
- ACT 1 12'-0" x 2'-0" ACOUSTICAL BOARD CEILING SEE PLANS AND FINISH LEGEND FOR TYPE
- ACT 2 2'-0" x 2'-0" ACOUSTICAL BOARD SEE PLANS AND FINISH LEGEND FOR TYPE
- DOWN LIGHT
- 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

REFLECTED CEILING PLAN NOTES:

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

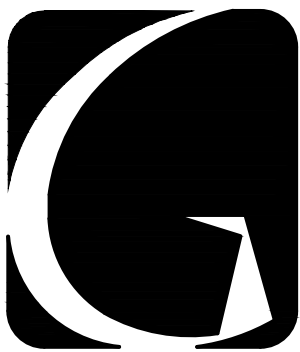
- 1 EXISTING CEILING SYSTEM TO REMAIN, UNLESS NOTED OTHERWISE FOR MECHANICAL ELECTRICAL PLUMBING AND FIRE PROTECTION.
- 2 MODIFY EXISTING GRID AND ACOUSTICAL CEILING PADS AS REQUIRED FOR REMOVAL OF EXISTING WALL AND INSTALLATION OF NEW WALL.
- 3 PAINT EXISTING CEILING GRID TO REMAIN AND INSTALL NEW CEILING PADS TO MATCH ACT-1.
- 4 MODIFY EXISTING GRID AND ACOUSTICAL CEILING PADS AS REQUIRED FOR INSTALLATION OF NEW BULKHEAD.
- 5 TIE-IN AND EXTEND EXISTING CEILING GRID.
- 6 NEW GYPSUM BOARD BULKHEAD.
- 7 EXISTING BULKHEAD TO REMAIN.
- 8 OPEN TO STRUCTURE ABOVE, NO CEILING REQUIRED.
- 9 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.
- 10 PROJECTION SCREEN, REFER TO EQUIPMENT PLANS AND TECHNOLOGY DRAWINGS.
- 11 FACE OF PRE-MANUFACTURED CANOPY ABOVE.
- 12 ALTERNATE: 3" WIDE LINEAR SOFFIT VENT. LENGTH AS INDICATED.
- 13 ALTERNATE: SOFFIT "V" JOINT.
- 14 METAL EDGE TRIM.
- 15 REMOVE EXISTING CEILING PADS AS REQUIRED TO INSTALL NEW "CLOUD" CEILING.
- 16 FACE OF ALTERNATE CANOPY ABOVE, REFER TO A-420 FOR DETAILS.
- 17 EXISTING EXHAUST HOOD TO REMAIN.
- 18 COORDINATE WITH KITCHEN EQUIPMENT INSTALLER AND OMIT CEILING OVER COOLERS IF TOTAL HEIGHT OF COOLER EXCEEDS 9'-4". PROVIDE CLOSURE PANELS FROM TOP OF COOLERS TO ABOVE CEILING IF CEILING IS OMITTED.
- 19 EXISTING PLASTER CEILING TO REMAIN.
- 20 ALTERNATE: NEW PLASTER SOFFIT. REFER TO A-420 FOR DETAILS.
- 21 CAREFULLY REMOVE, STORE, AND REINSTALL EXISTING LIGHT FIXTURES INTO THIS NEW CEILING.
- 22 REPLACE LIGHT FIXTURES IN THIS CEILING.
- 23 PATCH EXISTING GYPSUM PLASTER CEILING AT NEW BULKHEAD AND FOR INSTALLATION OF ITEMS BY OTHER DISCIPLINES (REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND TECHNOLOGY DRAWINGS). PAINT ENTIRE CEILING WHITE (SHERWIN WILLIAMS SW7007 OR APPROVED EQUAL).

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 SHERWIN WILLIAMS SW7007 OR APPROVED EQUAL.



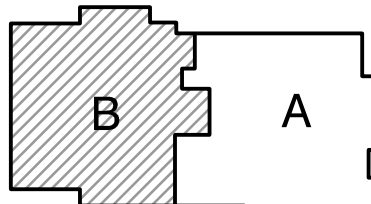
GIBRALTAR
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

**BRUMMITT
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

21-136

DATE

11/30/22

COORDINATED BY

MMM

DRAWN BY

MMM

CHECKED BY

DJW

COPYRIGHT NOTICE:

THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK DATE ISSUED FOR

AD-2 01/18/23 ADDENDUM NO. 2

DRAWING

UNIT "B" FIRST FLOOR
REFLECTED CEILING PLAN

PROJECT

BRUMMITT ES - RENOVATIONS

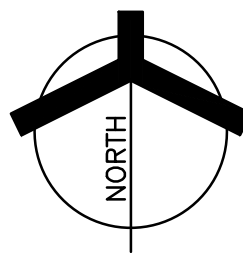
© GIBRALTAR DESIGN

SHEET

A-902

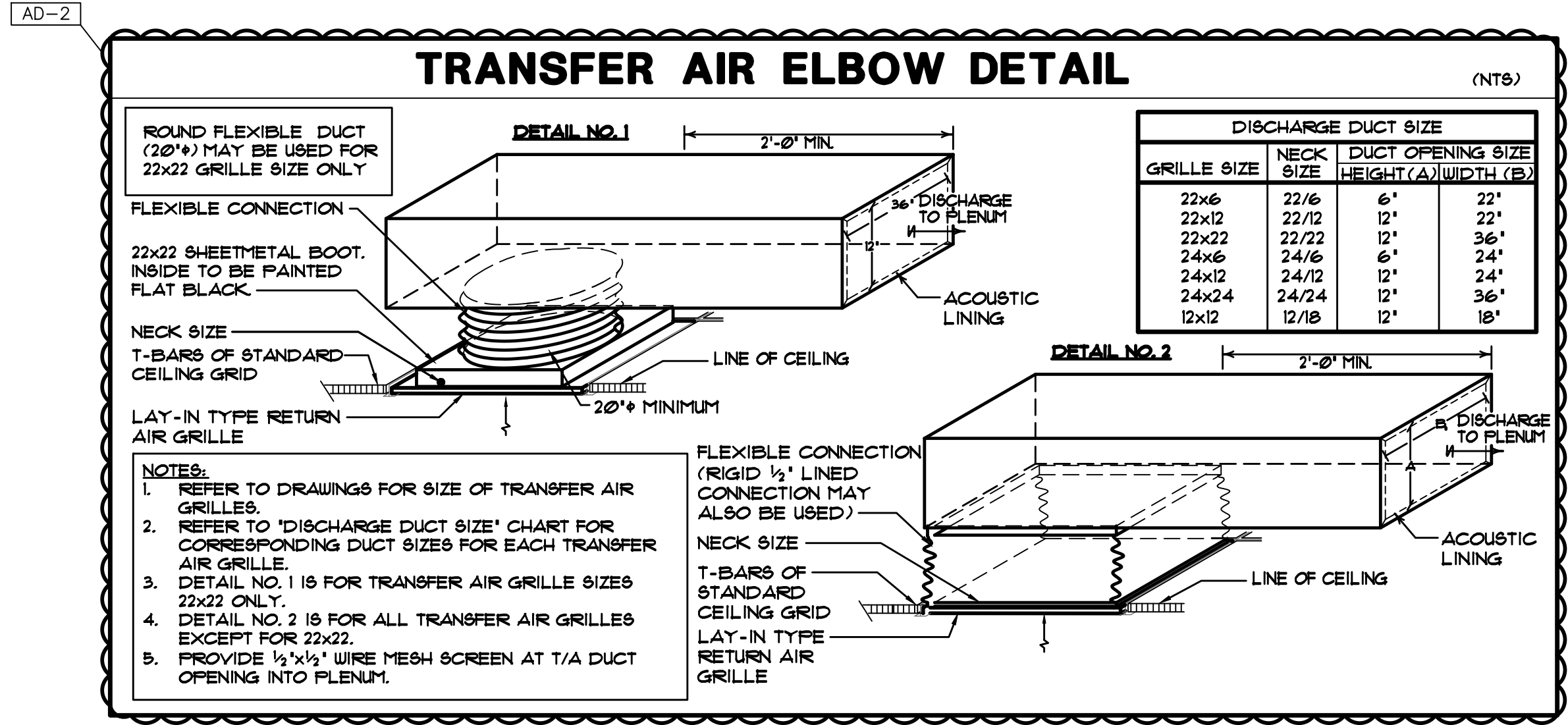
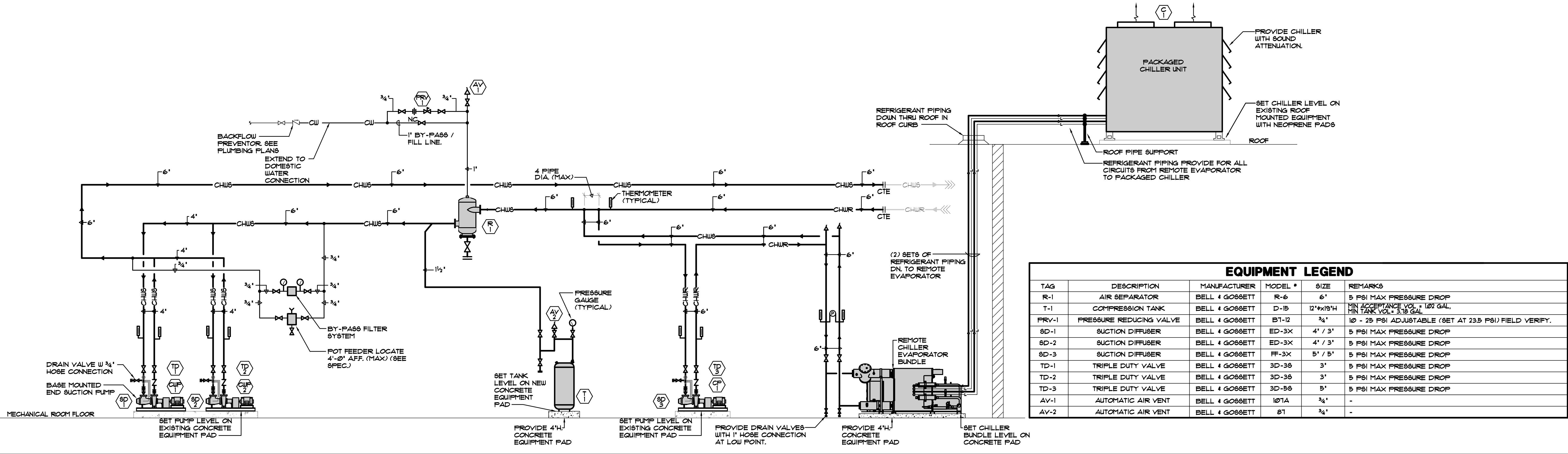
UNIT "B" ARCHITECTURAL FIRST FLOOR PLAN

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



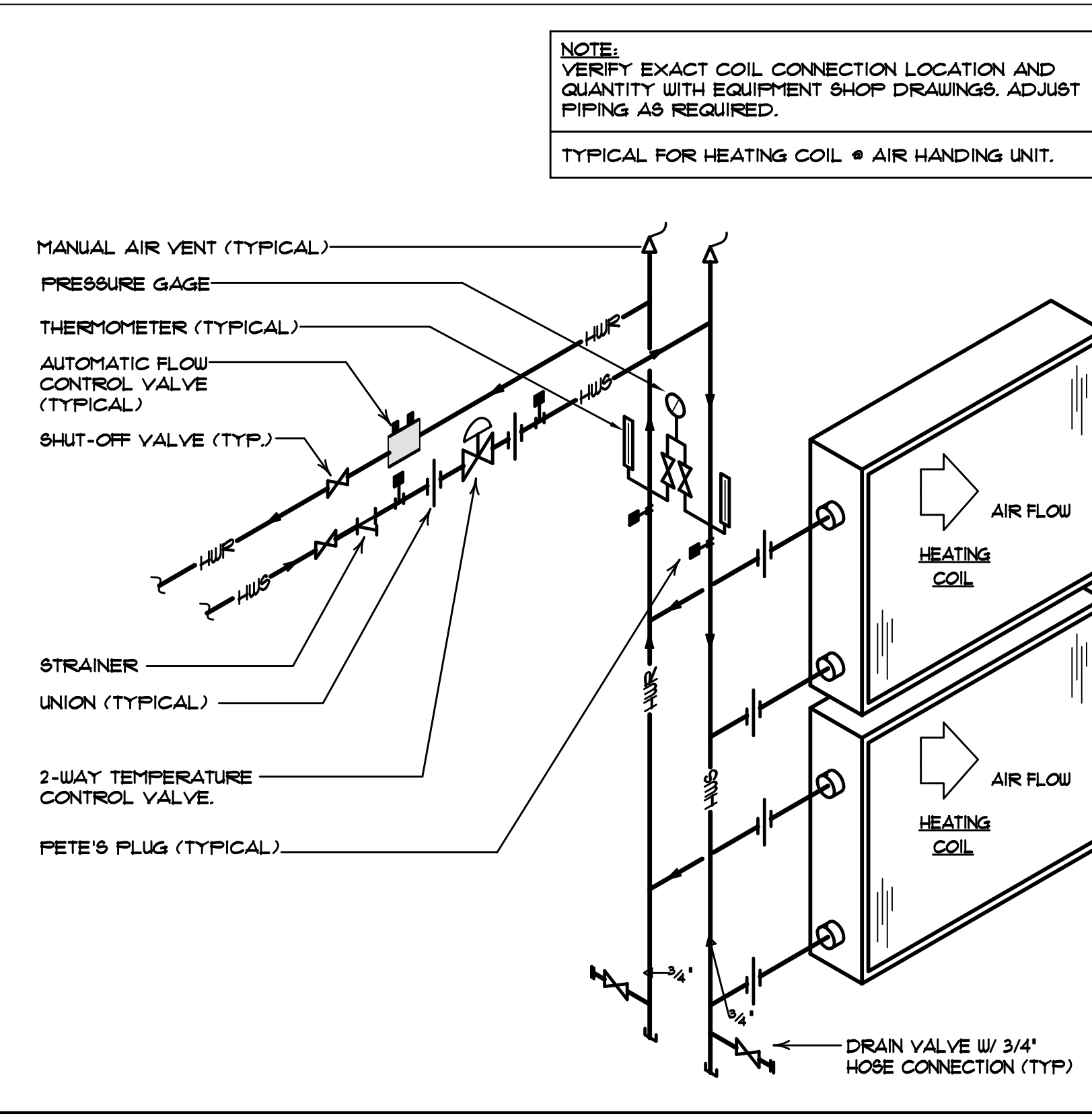
CHILLED WATER SYSTEM PIPING DIAGRAM

SCHEMATIC ONLY



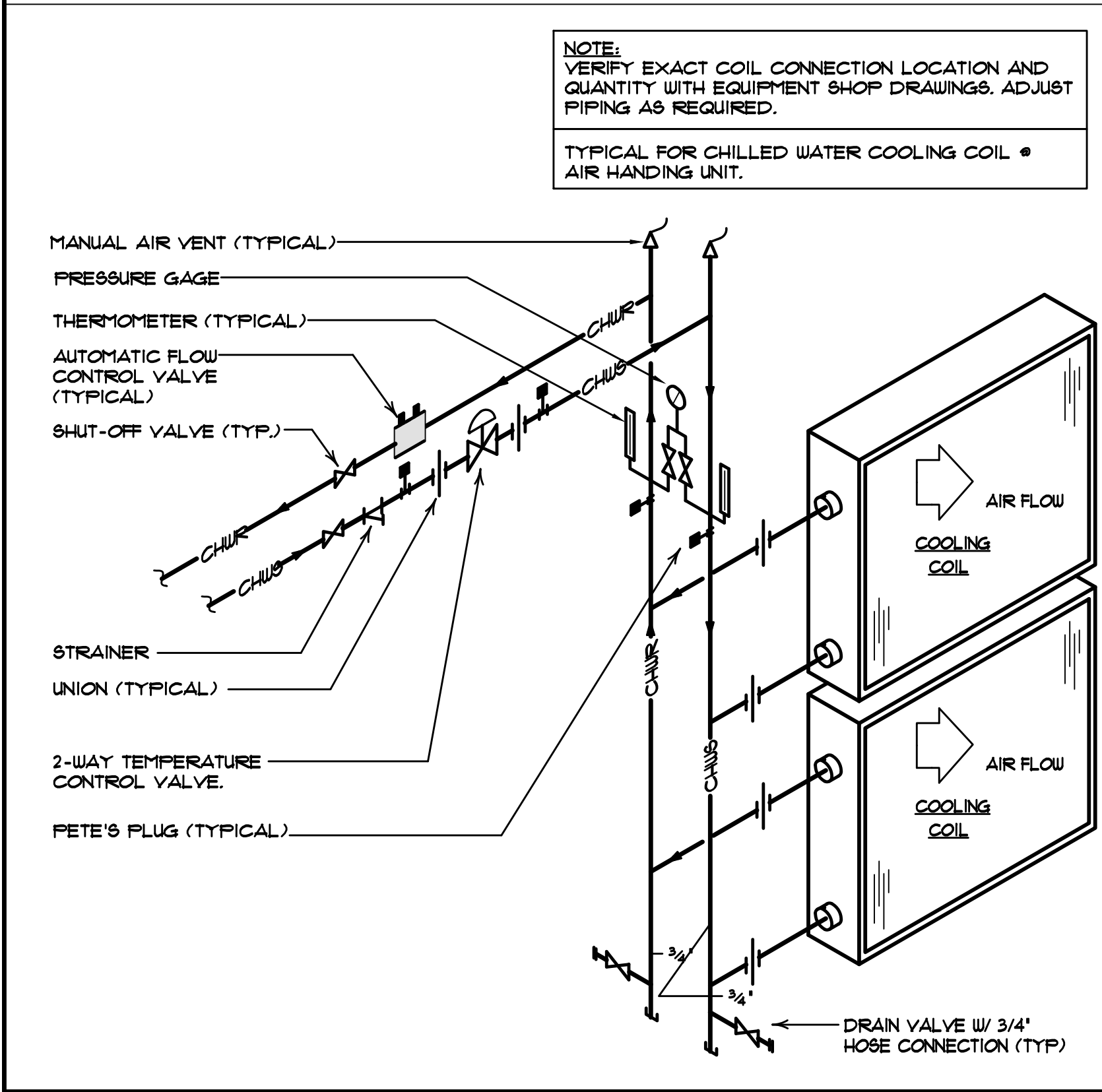
HOT WATER HEATING COIL PIPING DIAGRAM

SCHEMATIC ONLY



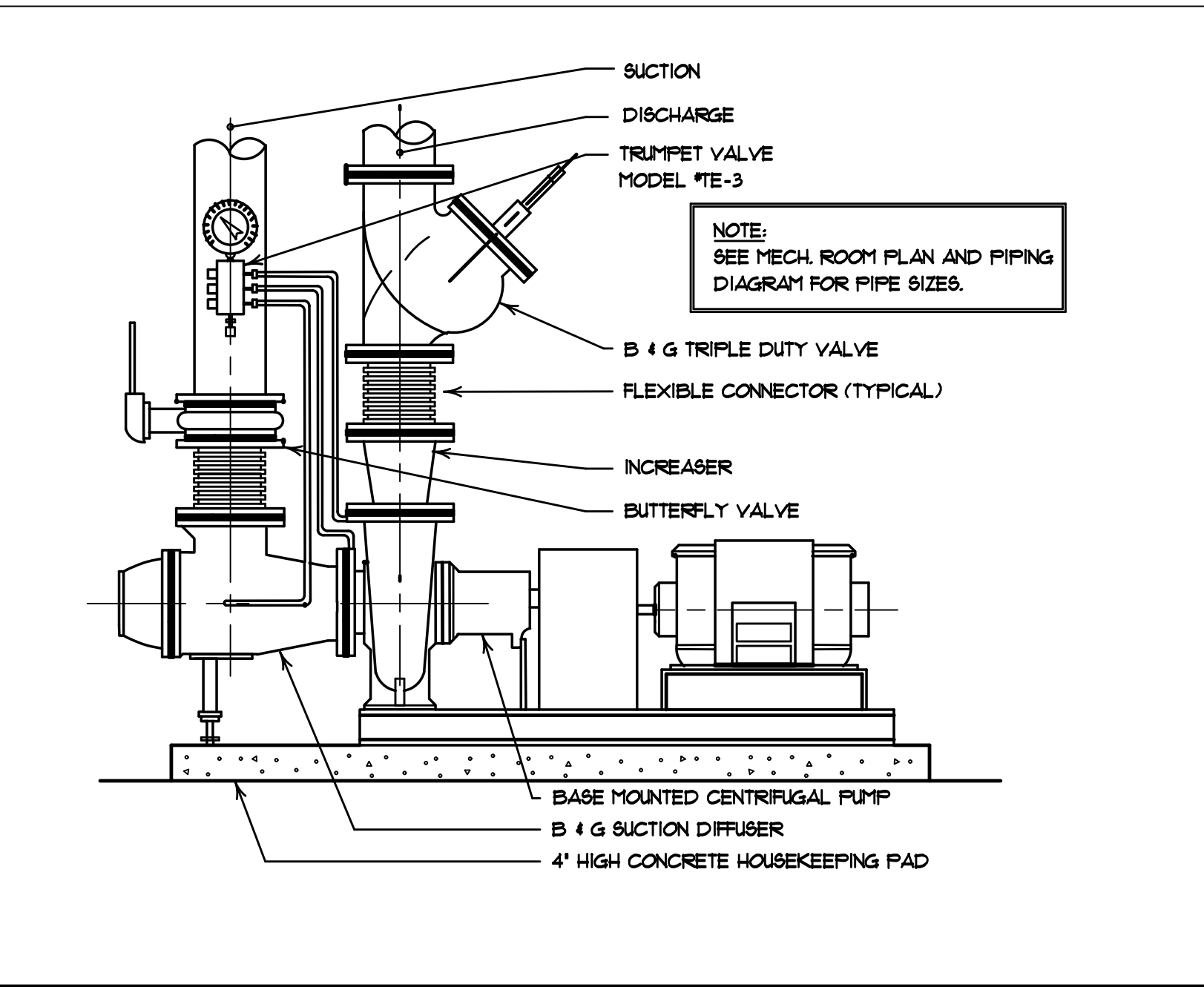
CHILLED WATER COOLING COIL PIPING DIAGRAM

SCHEMATIC ONLY



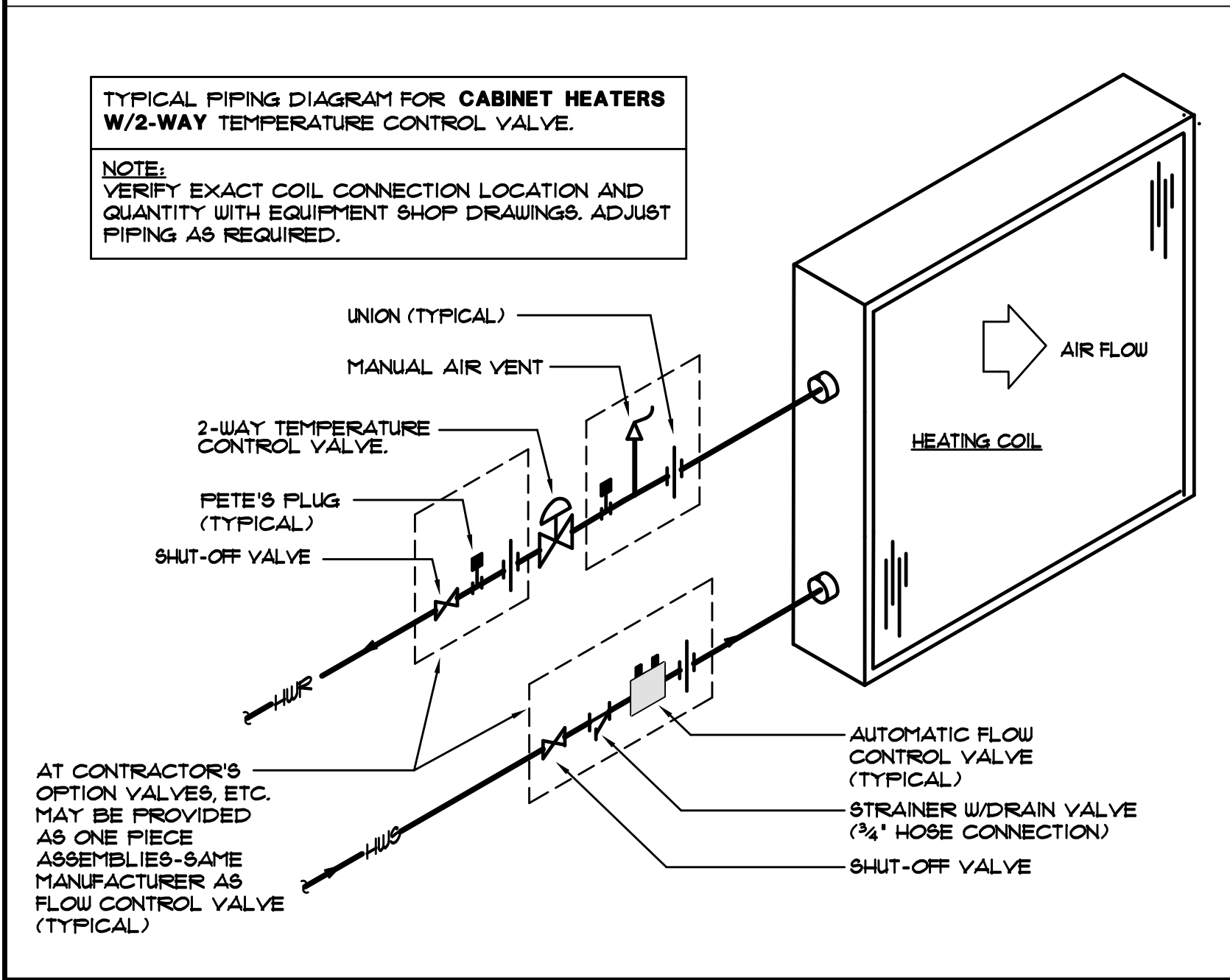
BASE MOUNTED PUMP DETAIL

(NTS)



HOT WATER HEATING COIL PIPING DIAGRAM

SCHEMATIC ONLY



PROJECT
**BRUMMITT
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
21-136

DATE
11/30/22

COORDINATED BY
JC

DRAWN BY
KS

CHECKED BY
DJ

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	01/18/23	ADDENDUM NO. 2

DRAWING
**MECHANICAL DIAGRAMS
& DETAILS**

PROJECT
**BRUMMITT ES -
RENOVATIONS**

© GIBRALTAR DESIGN

SHEET

M-601

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 ADA	AMERICAN STANDARD 2251J01	NOTE 1	BATTERY SENSOR FLUSH VALVE, 1/6 GPF	AMERICAN STANDARD 6065161002	NOTE 1	AMERICAN STANDARD 5301J00 SEAT
WC-2	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED	AMERICAN STANDARD 2251J01	NOTE 1	BATTERY SENSOR FLUSH VALVE, 1/6 GPF	AMERICAN STANDARD 6065161002	NOTE 1	AMERICAN STANDARD 5301J00 SEAT
WC-3	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED ADA KINDERGARTEN	AMERICAN STANDARD 3351J01	NOTE 1	BATTERY SENSOR FLUSH VALVE, 1/6 GPF	AMERICAN STANDARD 6065161002	NOTE 1	AMERICAN STANDARD 5301J00 SEAT, CHAIR CARRIER EQUIVALENT TO ZURN Z12
UR-1	URINAL	VITREOUS CHINA, WALL MOUNTED, ADA	AMERICAN STANDARD 6530001	NOTE 1	BATTERY SENSOR FLUSH VALVE, 0.125 GPF	AMERICAN STANDARD 6064013002	NOTE 1	-
L-1	LAVATORY	VITREOUS CHINA, WALL MOUNTED, 20"x18" ADA	AMERICAN STANDARD 0355002	NOTE 1	0.5 GPM-BATTERY SENSOR, 4" CENTERS	AMERICAN STANDARD 605B205	NOTE 2	PROVIDED WITH THERMOSTATIC MIXING VALVE. MCQUIRE PW-2150-WC 1-1/2" FROURAP, MCQUIRE #4216TCCLK SUPPLIES, LAVATORY CHAIR CARRIER EQUIVALENT TO ZURN Z123EZ
FD-1	FLOOR DRAIN	CAST IRON BODY, ADJUSTABLE 6"x6" NICKEL BRONZE TOP	ZURN Z4155	NOTE 3	-	-	-	VANDALPROOF SCREWS
FD-2	FLOOR DRAIN	CAST IRON BODY, 8-1/4" DIA. CAST IRON TOP	ZURN Z500	NOTE 3	-	-	-	SECONDARY STRAINER
FS-1	FLOOR SINK	CAST IRON, 8" DEEP, ACID RESISTING, 12"x12" TOP	ZURN Z1901-4NH-19-32	NOTE 3	-	-	-	ALUMINUM DOME STRAINER, SECURED HINGED GRATE, 5/16"OD RIM TOP TO BE MOUNTED FLUSH WITH FLOOR
S-1	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 22"x19-1/2"x5"	ELKAY LRADQ 221950	NOTE 4	TWO HANDLE, 4" GOOSENECK, 15 GPM	ELKAY LK406GN04T4	NOTE 5	ELKAY #35 STRAINER, MCQUIRE #B-0912-C8DF P-TRAP, MCQUIRE #4216TCCLK SUPPLIES
S-2	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 15"x11-1/2"x5"	ELKAY LRAD151250	NOTE 4	TWO HANDLE, 4" GOOSENECK, 15 GPM	ELKAY LK406GN04T4	NOTE 5	ELKAY #35 STRAINER, MCQUIRE #B-0912-C8DF P-TRAP, MCQUIRE #4216TCCLK SUPPLIES
S-3	SINK	TWO COMPARTMENT STAINLESS STEEL SINK, 29"x18"x5"	ELKAY LRAD 291850	NOTE 4	TWO HANDLE, 8" GOOSENECK, 15 GPM	ELKAY LK406GN08T4	NOTE 5	(2) ELKAY #35 STRAINER, ELKAY #LK-53 DRAIN ASSEMBLY, MCQUIRE #4216TCCLK SUPPLIES
S-4	SINK	TWO COMPARTMENT STAINLESS STEEL SINK, 33"x19-1/2"x5"	ELKAY LRAD 331950	NOTE 4	TWO HANDLE, 8" GOOSENECK, 15 GPM	ELKAY LK406GN08T4	NOTE 5	(2) ELKAY #35 STRAINER, ELKAY #LK-53 DRAIN ASSEMBLY, MCQUIRE #4216TCCLK SUPPLIES, PLASTER TRAP
S-5	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 15"x15"x6-1/8"	ELKAY BLR 15601	NOTE 4	TWO HANDLE, 4" GOOSENECK, 15 GPM	ELKAY LK406GN04T4	NOTE 5	ELKAY #35 STRAINER, MCQUIRE #B-0912-C8DF P-TRAP, MCQUIRE #4216TCCLK SUPPLIES
RD-1	ROOF DRAIN	CAST IRON BODY, GRAVEL STOP, LARGE PUMP	ZURN Z100-NH-DP-EA	NOTE 3	-	-	-	-
OFRD-1	OVERFLOW ROOF DRAIN	CAST IRON BODY, GRAVEL STOP, LARGE PUMP	ZURN Z100-NH-DP-EA-W4	NOTE 3	-	-	-	-
W-1	TEMPERED WATER VALVE	TEMPERED WATER VALVE	BRADLEY 1005-10000A	NOTE 6	-	-	-	VALVE RATED AT 2 GPM @ 9 PSI PRESSURE DROP (MIN FLOW 0.2 GPM)
MB-1	MOP BASIN	24x24x10 HIGH DENSITY COMPOSITE MOP BASIN	ZURN Z1906-24	NOTE 1	WALL MOUNTED SERVICE FAUCET	ZURN Z043M4	NOTE 8	W/ 3/4" HOSE THREAD, VACUUM BREAKER, WALL BRACE

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

NOTE 1: ZURN, DELTA, SLOAN, CHICAGO FAUCET CO., AMERICAN STANDARD, KOHLER

NOTE 3: ZURN, JOSEPH, JR. SMITH, MIFAB, WADE, WATTS

NOTE 4: ELKAY, JOST, KOHLER

NOTE 5: ELKAY, ZURN, DELTA, SLOAN, CHICAGO FAUCET CO., AMERICAN STANDARD, KOHLER

NOTE 6: LEONARD, POWERS, LAULIER, BRADLEY, SYMONS

NOTE 7: ZURN, FIAT, MUSTEE, SWAN, ACORN

NOTE 8: 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	MCA	FLA	AMPS	MOCF	VOLT	PH	HZ
EW-1	ELECTRIC WATER COOLER	ELECTRIC WALL MOUNTED, W/BOTTLE FILLER	ELKAY L780WSLP	NOTE 1	-	-	-	5	-	-	120	1	60
TWH-1	TANKLESS WATER HEATER	199 MBH, 4.3 GPM @ 90 DEGREE RISE (GAS FIRED), 96% EFFICIENT	NAVIENT NFE-24082	NOTE 5	ISOLATION KIT, TEMP. RELIEF VALVE, DRAIN VALVE AND CONDENSATE PIPED TO FLOOR DRAIN	-	-	-	-	-	120	1	60
TWH-2	TANKLESS WATER HEATER	199 MBH, 4.3 GPM @ 90 DEGREE RISE (GAS FIRED), 96% EFFICIENT	NAVIENT NFE-24082	NOTE 5	ISOLATION KIT, TEMP. RELIEF VALVE, DRAIN VALVE AND CONDENSATE PIPED TO FLOOR DRAIN	-	-	-	-	-	120	1	60
TWH-3	TANKLESS WATER HEATER	199 MBH, 4.3 GPM @ 90 DEGREE RISE (GAS FIRED), 96% EFFICIENT	NAVIENT NFE-24082	NOTE 5	ISOLATION KIT, TEMP. RELIEF VALVE, DRAIN VALVE AND CONDENSATE PIPED TO FLOOR DRAIN	-	-	-	-	-	120	1	60
WH-1	WATER HEATER (KITCHEN)	120 MBH, 115 GPM @ 120°, 60 GAL. STORAGE	A.O. SMITH BTH-120	NOTE 2	TEMP. RELIEF VALVE, DRAIN VALVE PIPED TO FLOOR DRAIN	-	-	-	-	-	120	1	60
DBP-1	DOMESTIC BOOSTER PUMP	130 GPM @ 91 PSI DISCHARGE W/ SUCTION @ 30 PSI	METROPOLITAN M5-MTIII-15DF-PH-91	NOTE 3	W/ 120 GAL. HYDRO-PNEUMATIC TANK, 3' SUCTION/ 3' DISCHARGE, (90 GPM @ 155' TDH EA. PUMP) 200' MIN. SHUT-OFF HEAD	(2) 15	-	-	-	-	480	3	60
WS-1	WATER SOFTENER	(EACH) CONT. FLOW 82 GPM, PEAK FLOW 109 GPM	CULLIGAN CTM-600-PF	-	PROVIDED WITH BRINE TANK- 39" RD. 48" HIGH	-	-	-	-	-	115	1	60
RCP-1	RECIRCULATION PUMP	9 GPM @ 21' HEAD, ALL BRONZE CONSTRUCTION	BELL & GOSSETT PL-36	NOTE 4	WITH STRAP ON AQUASTAT	1/6	-	-	-	-	120	1	60
RCP-2	RECIRCULATION PUMP	1 GPM @ 5' HEAD, ALL BRONZE CONSTRUCTION	BELL & GOSSETT PL-30	NOTE 4	WITH STRAP ON AQUASTAT	1/2	-	-	-	-	120	1	60

NOTE 1: ELKAY, OASIS, HAWB, SUNROC

NOTE 2: STATE, LOCHINVAR, A.O. SMITH

NOTE 3: BELL & GOSSETT, AMT, METROPOLITAN

NOTE 4: BELL & GOSSETT, TACO, METROPOLITAN

NOTE 5: NORITZ, NAVIENT, INTELLIHOT, LOCHINVAR

Copyright © 2022 Miller

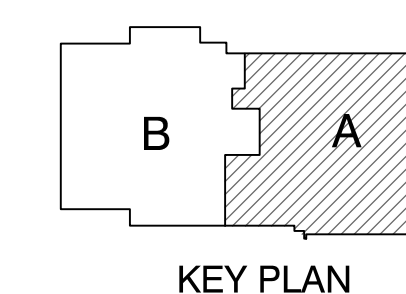
SHEET

P-001



PROJECT
BRUMMITT
ELEMENTARY
SCHOOL -
RENOVATIONS

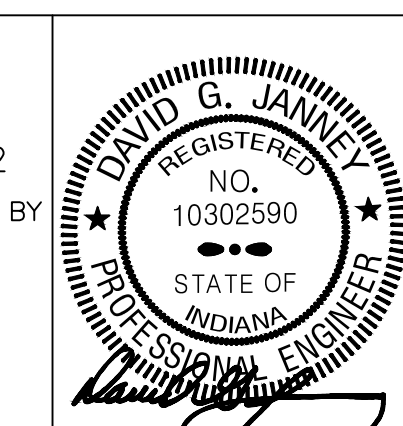
DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA



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	21-136
DATE	11/30/22
COORDINATED	JC
DRAWN BY	CC
CHECKED BY	D.J.



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION WITH THIS PROJECT.

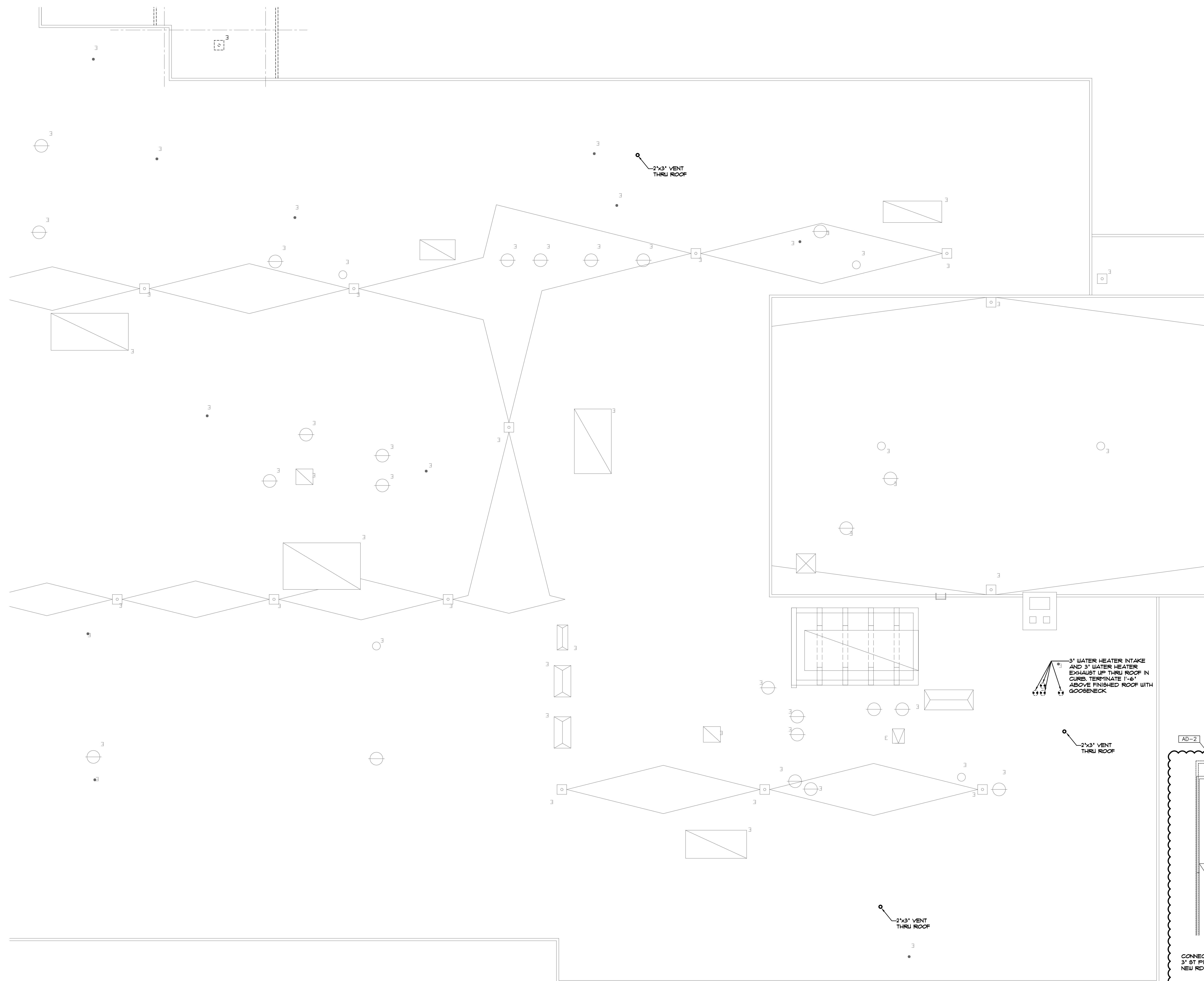
[illegible]

DRAWING
UNIT "A" PLUMBING ROOF
PLAN

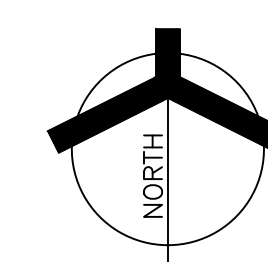
PROJECT
BRUMMIT ES -
RENOVATIONS

© GIBBALTAS DESIGN

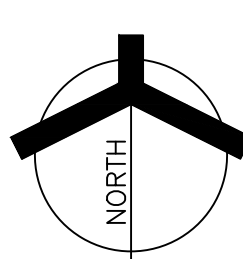
SHEET
P-201



UNIT "A" PLUMBING ROOF PLAN
SCALE: 1/8" = 1'-0"



UNIT "B"
PLUMBING ROOF
ALTERNATE CANOPY PLAN
SCALE: 1/8" = 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
21-136
DATE
11/30/22
COORDINATED BY
JC
DRAWN BY
CC
CHECKED BY
DJ

DAVID G. JANNEY
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER
10/10/2018

[illegible]

DRAWING

PLUMBING DETAILS

PROJECT

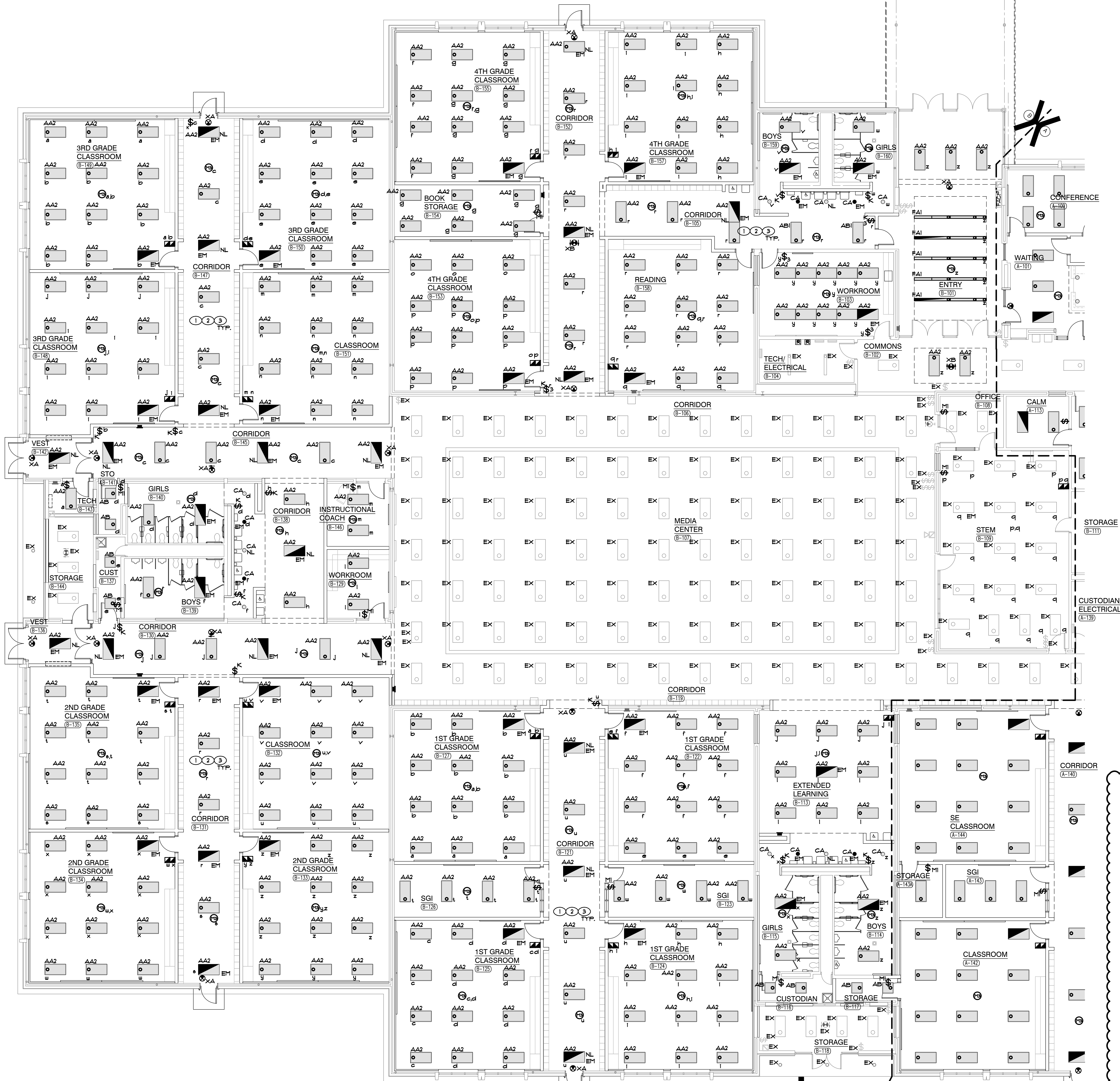
**BRUMMIT ES -
RENOVATIONS**

AD-2

GIBRALTAR DESIGN

SHEET

P-503



UNIT "B" ELECTRICAL FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CIRCUIT ALL NORMAL LIGHTING FIXTURES TO EXISTING CIRCUITRY. SEE SHEET NOTES UNLESS OTHERWISE NOTED.
2. SHADED FIXTURES, FIXTURES WITH 'EM' TAGS AND EXIT SIGNS SHALL BE PROVIDED WITH AN EMERGENCY LIFE SAFETY POWER SOURCE.
3. EXIT SIGNS SHALL BE CONNECTED TO EXISTING CIRCUITRY IN EMERGENCY LIFE SAFETY PANEL EM.
4. FIXTURES WITH A 'NL' TAG SHALL BE CONNECTED TO THE NIGHT LIGHT CIRCUIT IN EMERGENCY LIFE SAFETY PANEL EM.
5. CIRCUIT TAGS WITH AN 'E' PREFIX SHOWN WITH A SWITCH LEG SHALL BE A SWITCHED EMERGENCY FIXTURE CONNECTED TO PANEL EM. THE FIXTURE SHALL BE PROVIDED WITH A UL254 RATED BYPASS DEVICE TO ALLOW THE FIXTURE TO BE CONTROLLED ALONG WITH THE NORMAL FIXTURES IN THE ROOM. UPON LOSS OF POWER, THE FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% REGARDLESS OF SWITCH POSITION.
6. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SWITCHING, RELAYS, CONTACTORS OR SWITCHES.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
8. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILING AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
9. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

SHEET NOTES

1. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277V VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GND IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
2. RECONNECT NEW EMERGENCY LIGHTING FIXTURES TO EXISTING EMERGENCY LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277V VOLT CIRCUIT. PROVIDE UL254 RELAY DEVICE AS REQUIRED TO ACCOMPLISH REQUIRED EMERGENCY SWITCHING, WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GND IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
3. RECONNECT NEW EXIT SIGN LIGHTING FIXTURES TO EXISTING EXIT SIGN EMERGENCY LIGHTING CIRCUITRY COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277V VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GND IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
4. ALTERNATE BID. REPLACE EXISTING CANOPY LIGHTING WITH NEW AS INDICATED. UTILIZE EXISTING BRANCH CIRCUIT WIRING AND EXTERIOR LIGHTING CONTROLS.



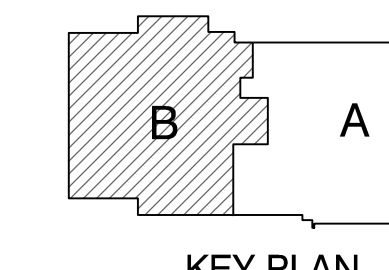
GIBRALTAR
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN



PROJECT
**BRUMMITT
ELEMENTARY
SCHOOL -
RENOVATIONS**

DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA

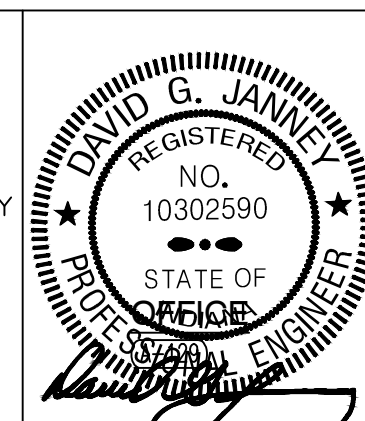


KEY PLAN

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
21-136
DATE
11/30/22
COORDINATED BY
JC
DRAWN BY
MS
CHECKED BY
DJ



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS
MARK DATE ISSUED FOR
AD-2 01/18/23 ADDENDUM NO. 2

DRAWING
UNIT "B" ELECTRICAL
FIRST FLOOR LIGHTING
PLAN

PROJECT
BRUMMITT ES -
RENOVATIONS

© GIBRALTAR DESIGN SHEET
B EL102

EM-TECH1															
TOTAL KW: 7.0				ENCLOSURE: NEMA-1				PHASE: 3*				VOLTAGE: 120 / 208			
MOUNTING: SURFACE				BUSBING: COPPER				FAULT CURRENT RATING: *** AIC [MLOXAMPs]: 60							
FEEDER: 4 #4 @ 1 #10 GRD. - 1/C.				LOCATION: IDF A-16											
		C/B		LOAD		CCT. NO.		A*		B*		C*		TRIP / POLE	
LOAD DESCRIPTION															LOAD DESCRIPTION
IDF B-143	30	2	1500	1500	3	4	500								RECEPT B-143
					5	6									SPACE B-104
					7	8									SPACE
SPACE					9	10									SPACE
SPACE					11	12									SPACE
SPACE					13	14									SPACE
SPACE					15	16									SPACE
SPACE					17	18									SPACE
SPACE					19	20									SPACE
SPACE					21	22									SPACE
SPACE					23	24									SPACE
				3000	1500	1500		500	500	0					
NOTE: REFER TO GENERAL NOTE 'B' FOR ADDITIONAL INFORMATION															
A* 3500 B* 2000 C* 1500 TOTAL* 12000															

EM-TECH2															
TOTAL KW: 7.0				ENCLOSURE: NEMA-1				PHASE: 3*				VOLTAGE: 120 / 208			
MOUNTING: SURFACE				BUSBING: COPPER				FAULT CURRENT RATING: *** AIC [MLOXAMPs]: 60							
FEEDER: 4 #4 @ 1 #10 GRD. - 1/C.				LOCATION: IDF A-16											
		C/B		LOAD		CCT. NO.		A*		B*		C*		TRIP / POLE	
LOAD DESCRIPTION															LOAD DESCRIPTION
IDF A-123	30	2	1500	1500	3	4	500								RECEPT B-123
					5	6									SPACE B-133
					7	8									SPACE
SPACE					9	10									SPACE
SPACE					11	12									SPACE
SPACE					13	14									SPACE
SPACE					15	16									SPACE
SPACE					17	18									SPACE
SPACE					19	20									SPACE
SPACE					21	22									SPACE
SPACE					23	24									SPACE
				3000	1500	1500		500	500	0					
NOTE: REFER TO GENERAL NOTE 'B' FOR ADDITIONAL INFORMATION															
A* 3500 B* 2000 C* 1500 TOTAL* 12000															

AD-2

NEW PANEL PP-2															
TOTAL KW: 40.6				ENCLOSURE: NEMA-1				PHASE: 3*				VOLTAGE: 120 / 208			
MOUNTING: SURFACE				BUSBING: COPPER				FAULT CURRENT RATING: *** AIC [MLOXAMPs]: 225							
FEEDER: 4 #4 @ 1 #4 GRD. - 2 1/2"C.				LOCATION: IDF A-16											
		C/B		LOAD		CCT. NO.		A*		B*		C*		TRIP / POLE	
LOAD DESCRIPTION															LOAD DESCRIPTION
B-133 RECEPTS	20	1	800		1	2	800			20	1				B-122 RECEPTS
B-133 RECEPTS	20	1	800		3	4	800			20	1				B-122 RECEPTS
B-133 RECEPTS	20	1	1200		5	6				20	1				B-122 RECEPTS
B-132 RECEPTS	20	1	800		7	8	800			20	1				B-124 RECEPTS
B-132 RECEPTS	20	1	800		9	10				20	1				B-124 RECEPTS
B-132 RECEPTS	20	1	1200		11	12				20	1				B-124 RECEPTS
B-134 RECEPTS	20	1	800		13	14	800			20	1				B-121 RECEPTS
B-134 RECEPTS	20	1	800		15	16				20	1				B-121 RECEPTS
B-134 RECEPTS	20	1	1200		17	18				20	1				B-121 RECEPTS
B-135 RECEPTS	20	1	800		19	20	800			20	1				B-125 RECEPTS
B-135 RECEPTS	20	1	800		21	22				20	1				B-125 RECEPTS
B-135 RECEPTS	20	1	1200		23	24				20	1				B-125 RECEPTS
B-152 RECEPTS	20	1	800		25	26	800			20	1				B-148 RECEPTS
B-152 RECEPTS	20	1	800		27	28				20	1				B-148 RECEPTS
B-152 RECEPTS	20	1	1200		29	30				20	1				B-148 RECEPTS
B-153 RECEPTS	20	1	800		31	32	800			20	1				B-148 RECEPTS
B-153 RECEPTS	20	1	800		33	34				20	1				B-148 RECEPTS
B-153 RECEPTS	20	1	1200		35	36				20	1				B-148 RECEPTS
B-150 RECEPTS	20	1	800		37	38	800			20	1				B-151 RECEPTS
B-150 RECEPTS	20	1	800		39	40				20	1				B-151 RECEPTS
B-150 RECEPTS	20	1	1200		41	42				20	1				B-151 RECEPTS
B-151 RECEPTS	20	1	800		43	44	800			20	1				B-150 RECEPTS
B-151 RECEPTS	20	1	800		45	46				20	1				B-150 RECEPTS
B-151 RECEPTS	20	1	1200		47	48				20	1				B-150 RECEPTS
B-146 RECEPTS	20	1	1200		49	50	800			20	1				EUC
B-129 RECEPTS	20	1	800		51	52	800			20	1				EUC
B-129 RECEPTS	20	1	800		53	54				20	1				EUC
COPIER	20	2	1200		55	56	800			20	1				EUC
B-103 RECEPTS	20	1	1200		57	58				20	1				EUC
B-103 RECEPTS	20	1	1200		59	60				20	1				EUC
B-103 RECEPTS	20	1	1200		61	62	1400			20	1				B- RECEPTS
B-102 RECEPTS	20	1	1000		63	64				20	1				B- RECEPTS
CORR RECEPTS	20	1	800		65	66				20	1				B- RECEPTS
B-113 RECEPTS	20	1	800		67	68	1200			20	1				B- RECEPTS
					69	70									
					71	72									
					73	74									
					75	76									
					77	78									
					79	80									
					81	82									
					83	84									
				5600	6300	8400				5600	6300	8400			
NOTE: REFER TO GENERAL NOTE 'B' FOR ADDITIONAL INFORMATION															
A* 11200 B* 12600 C* 16800 TOTAL* 40600															

NEW PANEL PP-1																	
TOTAL KW: 53.5				ENCLOSURE: NEMA-1				PHASE: 3*				VOLTAGE: 120 / 208					
MOUNTING: SURFACE				BUSBING: COPPER				FAULT CURRENT RATING: *** AIC				MLOXAMPs: 225					
FEEDER: 4 #4/2 + 1 #4 GRD. - 2 1/2" C.				LOCATION:													
		C/B		LOAD				LOAD				C/B		LOAD DESCRIPTION			
LOAD DESCRIPTION	TRIP	POLE	A*	B*	C*	CCT. NO.	A*	B*	C*	TRIP	POLE						
A-142 RECEPTS	20	1	800			1	2	800			20	1			A-144 RECEPTS		
A-142 RECEPTS	20	1		900		3	4		400		20	1			A-144 RECEPTS		
A-142 RECEPTS	20	1			1200	5	6			1200	20	1			A-144 RECEPTS		
A-146 RECEPTS	20	1	800			7	8	800			20	1			A-141 RECEPTS		
A-146 RECEPTS	20	1		900		9	10		900		20	1			A-141 RECEPTS		
A-146 RECEPTS	20	1			1200	11	12			1200	20	1			A-141 RECEPTS		
A-149 RECEPTS	20	1	800			13	14	800			20	1			A-154 RECEPTS		
A-149 RECEPTS	20	1		900		15	16		900		20	1			A-154 RECEPTS		
A-149 RECEPTS	20	1			1200	17	18			1200	20	1			A-154 RECEPTS		
A-153 RECEPTS	20	1	800			19	20	800			20	1			A-154 RECEPTS		
A-153 RECEPTS	20	1		800		21	22		800		20	1			A-121 RECEPTS		
A-153 RECEPTS	20	1			900	23	24			900	20	1			A-121 RECEPTS		
A-153 RECEPTS	20	1	1200			25	26	1200			20	1			A-121 RECEPTS		
A-153 RECEPTS	20	1		800		27	28		400		20	1			A-121 RECEPTS		
A-153 RECEPTS	20	1			1200	29	30			400	20	1			A-121 RECEPTS		
COPIER						31	32	800			20	1			A-110 RECEPTS		
		2	1200			33	34		800		20	1			A-124 RECEPTS		
A-108 RECEPTS	20	1		1000		35	36			900	20	1			A-124 RECEPTS		
A-103 RECEPTS	20	1	1000			37	38	1200			20	1			A-124 RECEPTS		
A-103 RECEPTS	20	1		800		39	40		1200		20	1			A-109 RECEPTS		
A-101 RECEPTS	20	1			800	41	42			800	20	1			A-109 RECEPTS		
A-107 / 122 RECEPTS	20	1	1000			43	44	800			20	1			A-138 RECEPTS		
A-101 RECEPTS	20	1		1200		45	46		800		20	1			A-135 RECEPTS		
A-136 / 131 RECEPTS	20	1			1200	47	48			800	20	1			A-135 RECEPTS		
A-112 RECEPTS	20	1	1000			49	50	800			20	1			A-135 RECEPTS		
A-115 RECEPTS	20	1		1000		51	52		1200		20	1			A-135 RECEPTS		
					1000	53	54			800	20	1			A-143 RECEPTS		
						55	56	800			20	1			A-143 RECEPTS		
						57	58			800	20	1			A-140 RECEPTS		
						59	60										
						61	62										
						63	64										
						65	66										
						67	68										
						69	70										
						71	72										
						73	74										
						75	76										
						77	78										
						79	80										
						81	82										
						83	84										
			14900	6300	1100			8800	8100	8100							
A = 23100																	
B = 14300																	
C = 5300																	
TOTAL = 53500																	
NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION																	

ELECTRICAL ONE-LINE SCHEMATIC DIAGRAM

EXISTING ELECTRICAL SERVICE

AD-2

EXISTING 5000 KVA TRANSFORMER

EX. MAIN SERV. DISC (480/277V, 3 ϕ , 4W) 1200A

400A/3P 400AF, 800A/3P 800AF, 600A/3P 600AF, 600A/3P 500AF, 100A/3P 100AF, EXISTING 200A/3P 8SPACE

(2) SETS OF 4 #20 4 1/2 GRD. 2-1/2".

EXISTING 200 TON CHILLER REPLACED WITH NEW

AD-2

EXISTING LOAD, EXISTING SPARE

4 # 4 1/2 GRD. - 1"

20 H.P. FIRE PUMP

480/277V SERVICE ENTRANCE RATED WITH AUTOMATIC TRANSFER SWITCH AND RT* APPROVED FIRE PUMP CONTROLLER (FURNISHED BY TRADE CONTRACTOR, INSTALLED AND WIRED BY THIS CONTRACTOR).

EX. 4DI MDP (480/277V, 3 ϕ , 4W)

200A/3P 200AF, 200A/3P 200AF, 15A/3P 15AF, 30A/3P 30AF, 30A/3P 30AF, 15A/3P 15AF, 200A/3P 200AF, 200A/3P 200AF, 200A/3P 200AF, 200A/3P 200AF, 100A/3P 100AF, 100A/3P 20AF, 100A/3P 20AF, 200A/3P 150AF

EXISTING LOAD, EXISTING LOAD, UP, EXISTING LOAD, EXISTING LOAD, UP, EXISTING LOAD, EXISTING FNL 43, EXISTING FNL 45, EXISTING TRANSFORMER 36KVA

AD-2

EX. 2DI (120/208V, 3 ϕ , 4W) 400A

30A/3P 30AF, 30A/3P 30AF, 100A/3P 100AF, 100A/3P 100AF, 200A/3P 200AF, 200A/3P 200AF, 200A/3P 200AF

EXISTING PANEL 28, EXISTING PANEL 25, EXISTING PANEL 21

PANEL FP-1 84POLE 200A MLO

EMERGENCY LIGHTING PANEL EXTEND NEW 100A/3P FEED TO EXISTING PANEL 4X1

AD-2

EX. PANEL 4X1

EX. EM PANEL REPLACED WITH NEW

AD-2

EXISTING 150A/3PH, 480/277V EM PANEL, GENERATOR AND ASSOCIATED TRANSFER SWITCH TO BE REMOVED. RETAIN EXISTING EM PANEL BRANCH CIRCUITS FOR RE-USE WITH NEW EMERGENCY DISTRIBUTION INTERCEPT AND CONNECT TO NEW EM BRANCH AS SHOWN.

4 # 4 1/2 GRD. 1-1/2", 4 # 4 1/2 GRD. 1-1/2", 3 # 4 1/2 GRD. 1", T-EM 30 KVA, 480V TO 120/208V, 3 ϕ , 4W TRANSFORMER, 4 # 4 1/2 GRD. 1-1/4", 4 # 4 1/2 GRD. 1-1/4", 4 # 4 1/2 GRD. 1", 4 # 4 1/2 GRD. 1"

PANEL FP-1 84POLE 200A MLO, EX. PANEL HYP-1, T2 150 KVA, 480V TO 120/208V, 3 ϕ , 4W TRANSFORMER, EX. PANEL LVP3, EX. PANEL LVP1, EX. PANEL LVP2, PANEL 44 42POLE 200A MLO, PANEL 42 42POLE 200A MLO, PANEL 41 42POLE 200A MLO

EXISTING TRANSFORMER 75KVA

EX. 2D2 (120/208V, 3 ϕ , 4W) 400A

200/3P 200AF, 200/3P 200AF, 200/3P 200AF, 200A/3P 200AF, 100A/3P 100AF, 100A/3P 100AF, 100A/3P 100AF, 100A/3P 100AF, EXISTING 30A/3P 8SPACE

PANEL 21 42POLE 100A MLO, PANEL 22 42POLE 100A MLO, PANEL 23 TO BE REMOVED, PANEL 24 42POLE 100A MLO, PANEL 26 42POLE 100A MLO, PANEL FP-2 84POLE 200A MLO

AD-2

1. TAP EXISTING TRANSFORMER SECONDARY FOR NEW FIRE PUMP. COORDINATE WITH NIPSCO AS REQUIRED.
2. REPLACE EXISTING PANEL IN KIND WITH NEW AS INDICATED. UTILIZE EXISTING FEEDER AND RE-CONNECT.
3. EXISTING CHILLER REPLACED WITH NEW. PROVIDE NEW FEEDER, EXTERIOR DISCONNECT AS SHOWN. UTILIZE EXISTING 600A/3P FUSED DISCONNECT WITH SWITCHBOARD. PROVIDE NEW FUSES AS SHOWN. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
4. UTILIZE AVAILABLE SPARE FUSED DISCONNECT, PROVIDE NEW FUSES AS INDICATED.

AD-2

100 KW 480/277V, 3 ϕ , 4W NATURAL GAS GENERATOR SET WITH INTEGRAL CIRCUIT BREAKERS, PROVIDE ALL POWER, CONTROL, AND ALARM WIRING TO BUILDING.

150A/3P 150AF, 100A/3P 100AF, 60A/3P 60AF

The diagram illustrates a complex electrical system with the following components and connections:

- Power Source:** EXISTING 5000 KVA TRANSFORMER (AD-2) feeding into EX. MAIN SERV. DISC (480/277V, 3 ϕ , 4W) 1200A.
- Service Entrance:** 480/277V SERVICE ENTRANCE RATED WITH AUTOMATIC TRANSFER SWITCH AND RT* APPROVED FIRE PUMP CONTROLLER.
- 480V Distribution:** EX. 4DI MDP (480/277V, 3 ϕ , 4W) and EX. 4D2 (480/277V, 3 ϕ , 4W) 400A busbars.
- 120V Distribution:** EX. 2DI (120/208V, 3 ϕ , 4W) 400A and EX. 2D2 (120/208V, 3 ϕ , 4W) 400A busbars.
- Key Equipment:** 20 H.P. FIRE PUMP, 200 TON CHILLER (replaced), 100 KW NATURAL GAS GENERATOR, TRANSFORMERS (T2, T-EM), and various control panels (FP-1, FP-2, HYP-1, LVP1, LVP2, LVP3).
- Wiring & Grounding:** Detailed specifications for conductors (e.g., 4 # 4 1/2 GRD., 3 # 4 1/2 GRD.) and grounding methods.
- Notes & Modifications:** AD-2 annotations throughout the diagram indicating specific changes and coordination requirements.

