

**ADDENDUM  
NO. 2**

**October 21, 2022**

**Additions & Renovations to Eastridge Elementary School**  
10930 East 10<sup>th</sup> Street  
Indianapolis, IN 46229

**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 July 1, 2022, by CSO Architects. 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, and Addendum No. 2 from CSO Architects, consisting of seven (7) pages, Specification Section 11 68 00 – Playground Equipment, Addendum Drawings Sheets L101, L102, L103, L104, L201, Sheets AD201B, A201B, A801C, A801D, and Stair Associates Addendum No. 2, consisting of three (3) pages, Drawing Sheets: PD201B, P201A, P201B, P201C, P201D, P301, and E302.

**A. SPECIFICATION SECTION 01 10 00 MULTIPLE CONTRACT SUMMARY:**

**1. 3.03 / I - Bid Category No. 10 – Casework.**

Add the following Clarification:

3. Stud framed elements/details which include plastic laminate surfacing or other components typical of casework, including but not limited to details 10 & 11 / A603, and 4 & 5 / A701, including gypsum board or other backers are included in this scope of work.

# ADDENDUM

ADDENDUM NO: 2

PROJECT: ADDITIONS AND RENOVATIONS TO EASTRIDGE ELEMENTARY SCHOOL

PROJECT NO: 2021055

DATE: October 21, 2022

BY: Amy Rees

This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages: Add2 pages 1 – 7 plus attachments

Attached Documents: Specification Section 11 68 00 – PLAYGROUND EQUIPMENT  
Sheets L101, L102, L103, L104, L201  
Sheets AD201B, A201B, A801B, A801C, A801D  
Stair Associates Addendum #2 with attachments

## **PART 0 - GENERAL INFORMATION**

- 0.1 If you have trouble viewing downloaded PDFs, please contact  
[Greg.Holman@easternengineering.com](mailto:Greg.Holman@easternengineering.com)
- 0.2 A list of planholders can be found on the Eastern Engineering website:  
[https://www.skillmanplanroom.com/View/ViewJob.aspx?job\\_id=27265&view=ph](https://www.skillmanplanroom.com/View/ViewJob.aspx?job_id=27265&view=ph)

## **PART 1 - BIDDING REQUIREMENTS**

- 1.1 NOT USED

## **PART 2 - SPECIFICATIONS**

- 2.1 SECTION 08 71 00 – DOOR HARDWARE
- A. Revise door hardware sets for the following doors as indicated:
1. Door B131B shall be assigned hardware set 21A
  2. Door C129A shall be assigned hardware set 06
  3. Door C129B shall be assigned hardware set 19
- B. Revise hardware sets as indicated below:

Hardware Group No. 06

For use on Door #(s):

B132                      B133                      B134                      C107                      C109                      C129A  
D105A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE/ENTRY LOCK	L9050BDC 03A L583-363	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 16

Hardware Group No. 19

For use on Door #(s):

C119A                      C119B                      C120A                      **C129A**                      C129B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224XY	628	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T (AS REQ'D)	630	IVE
1	EA	STOREROOM LOCK	L9080BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	OH STOP	450S	652	GLY
2	EA	ARMOR PLATE	8400 35" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 21

For use on Door #(s):  
D107-1

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224XY	628	IVE
1	EA	CONT. HINGE	224XY EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	CONST LATCHING BOLT (HM)	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	EU MORTISE LOCK	<u>L9092HDEU 03B RX 12/24 VDC</u> <del>(L9092HDEU 06B RX CON 12/24 VDC)</del>	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	COORDINATOR	COR X FL (MB AS REQ'D)	628	IVE
1	EA	OH STOP & HOLDER	90H	630	GLY
1	EA	SURFACE CLOSER (W/ STOP & HO)	4040XP SHCUSH (INACTIVE LEAF) (ACTIVE LEAF)	689	LCN
2	EA	ARMOR PLATE	8400 35" X 1" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	SET	WEATHERSTRIPPING	429AA-S	AA	ZER
1	EA	ASTRAGAL, OVERLAP	383AA	AA	ZER
2	EA	DOOR SWEEP, BRUSH W/ DRIP	8198AA	AA	ZER
1	EA	THRESHOLD	655A-V3	A	ZER
1	EA	CREDENTIAL READER	BY DIV 28		B/O
2	EA	DOOR CONTACT	679 SERIES	BLK	SCE
1	EA	POWER SUPPLY	PS902 120/240 VAC		VON

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER WILL UNLOCK OUTSIDE LEVER, ALLOWING ACCESS. DOOR REMAINS LOCKED WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

Hardware Group No. 21A

For use on Door #(s):

B131B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
<u>3</u>	<u>EA</u>	<u>HINGE</u>	<u>5BB1HW 4.5 X 4.5 (NRP AS REQ'D)</u>	<u>652</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>POWER TRANSFER</u>	<u>EPT10</u>	<u>689</u>	<u>VON</u>
<u>1</u>	<u>EA</u>	<u>EU MORTISE LOCK</u>	<u>L9092HDEU 03B RX 12/24 VDC</u>	<u>626</u>	<u>SCH</u>
<u>1</u>	<u>EA</u>	<u>PERMANENT CORE</u>	<u>MATCH OWNER STANDARD SYSTEM</u>	<u>626</u>	<u>BES</u>
<u>1</u>	<u>EA</u>	<u>SURFACE CLOSER</u>	<u>4040XP EDA</u>	<u>689</u>	<u>LCN</u>
<u>1</u>	<u>EA</u>	<u>KICK PLATE</u>	<u>8400 10" X 1 1/2" LDW B-CS</u>	<u>630</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>WALL STOP</u>	<u>WS406/407CVX</u>	<u>630</u>	<u>IVE</u>
<u>3</u>	<u>EA</u>	<u>SILENCER</u>	<u>SR64</u>	<u>GRY</u>	<u>IVE</u>
<u>1</u>	<u>EA</u>	<u>CREDENTIAL READER</u>	<u>BY DIV 28</u>		<u>B/O</u>
<u>1</u>	<u>EA</u>	<u>DOOR CONTACT</u>	<u>679 SERIES</u>	<u>BLK</u>	<u>SCE</u>
<u>1</u>	<u>EA</u>	<u>POWER SUPPLY</u>	<u>PS902 120/240 VAC</u>		<u>VON</u>

VERIFY EXISTING HINGE TYPE/PREPS AND PROVIDE HINGES THAT EXISTING PREPS ACCOMMODATE. PREP EXISTING FRAME ACCORDINGLY FOR NEW SPECIFIED HARDWARE. PROVIDE FILLERS/PLATES AS NECESSARY TO FILL/COVER UNUSED OR EXPOSED EXISTING PREPS.

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER WILL UNLOCK OUTSIDE LEVER, ALLOWING ACCESS. DOOR REMAINS LOCKED WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

Hardware Group No. 29

For use on Door #(s):

B130A                      B131A                      C114A                      C115A                      C116A                      C133A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
<b>4</b>	<b>EA</b>	<b>DOOR CORD</b>	<b>788C-18 (MOUNT UP HIGH)</b>	<b>626</b>	<b>SCE</b>
<b>1</b>	<b>EA</b>	<b>POWER TRANSFER</b>	<b>EPT10</b>	<b>689</b>	<b>VON</b>
1	EA	DELAYED PANIC HARDWARE	CX99-L-M996-03-FSE	626	VON
1	EA	MORTISE CYL HOUSING (SFIC)	80-110 (W/ DISP CONST CORE)	626	SCH
1	EA	RIM CYL HOUSING (SFIC)	80-159 (W/ KEYED CONST CORE)	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	CREDENTIAL READER	BY DIV 28		B/O
1	EA	DOOR CONTACT	679 SERIES	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-2RS 120/240 VAC		VON

**BALANCE OF HARDWARE EXISTING TO REMAIN. VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE.**

~~DOOR NORMALLY CLOSED AND LOCKED IN BOTH DIRECTIONS, AND DELAYED EGRESS PANIC ARMED. PRESENTING VALID CREDENTIAL TO READER ON EXTERIOR SIDE WILL TEMPORARILY DISARM DELAYED EGRESS PANIC AND UNLOCK OUTSIDE LEVER TRIM, ALLOWING ACCESS. PRESENTING VALID CREDENTIAL TO READER ON INTERIOR SIDE WILL TEMPORARILY DISARM DELAYED EGRESS PANIC, ALLOWING IMMEDIATE EGRESS. WITHOUT VALID CREDENTIAL ON INTERIOR SIDE, PRESSING PUSH BAR WILL ACTIVATE DELAYED EGRESS SYSTEM, SOUND INTERNAL ALARM, AND ALLOW FREE EGRESS IN 15 SECONDS. DELAYED EGRESS PANIC DISARMS AND ALLOWS IMMEDIATE EGRESS WITH LOSS OF POWER OR FIRE ALARM ACTIVATION. EXTERIOR LEVER TRIM REMAINS LOCKED WITH LOSS OF POWER OR FIRE ALARM ACTIVATION. PUSH BAR ARMS/DISARMS DELAYED EGRESS OPERATION VIA KEY IN PUSH BAR. EXTERIOR ACCESS BY KEY ONLY WHEN DELAYED EGRESS PANIC IS DISARMED.~~

2.2 SECTION 10 22 33 – ACORDION FOLDING PARTITIONS

- A. 2.01, A., 1., add item d.:
  - d. KWIK-WALL Company

2.3 SECTION 11 68 00 - PLAYGROUND EQUIPMENT

- A. Specification updated with additional approved equal playground equipment, attached

## **PART 3 - DRAWINGS**

### LANDSCAPE:

- 3.1 L101 MATERIALS PLAN
  - A. Legend updated to clarify Curbing conditions.
- 3.2 L102 MATERIALS PLAN
  - A. Legend updated to clarify Curbing conditions.
- 3.3 L103 MATERIALS PLAN
  - A. Legend updated to clarify Curbing conditions.
- 3.4 L104 MATERIALS PLAN
  - A. Legend updated to clarify Curbing conditions.
- 3.5 L201 ENLARGED PLAYGROUND MATERIALS PLAN
  - A. Legend updated to clarify Curbing conditions.

### ARCHITECTURAL:

- 3.6 AD201B – FIRST FLOOR DEMOLITION PLAN UNIT B
  - A. Existing casework to remain at east wall of Special Needs Classroom. Remove existing countertop only. Salvage sink for re-installation in new countertop. Refer to Plumbing drawings. Demolish door B131B from existing frame to remain. See revised sheet AD201B, **attached**.
- 3.7 A201B – FIRST FLOOR PLAN UNIT B
  - A. Existing casework to remain at east wall of Special Needs Classroom. Provide new countertop. Provide new door B131B. See revised sheet A201B, **attached**.
- 3.8 A501 – DOOR SCHEDULE
  - A. Door B111A: revise as follows:
    - 1. Door to be extra-heavy duty type with midrail blocking
    - 2. Glass type to be 1/2" polycarbonate
    - 3. Lite kit to be metal with security screws on outside of room

- B. Provide new door B131B, type D5, similar to existing but prepped as required for new hardware.
- C. General clarification: all existing door frames receiving new doors and / or hardware shall be painted to match balance of existing frames, typical.

3.9 A801B – FIRST FLOOR FINISH PLAN – UNIT B

- A. Add casework finish tag SS1 to sink counter in Passage B131. See revised sheet A801B, **attached**.

3.10 A801C – FIRST FLOOR FINISH PLAN – UNIT C

- A. Delete and replace entire sheet, **attached**.
- B. Added terrazzo floor pattern to CORRIDOR C103 and revised floor finish tags accordingly.
- C. Removed floor finish tag TZ2 from CAFETERIA C129.

3.11 A801D – FIRST FLOOR FINISH PLAN – UNIT D

- A. Delete and replace entire sheet, **attached**.
- B. Added terrazzo floor pattern to CORRIDOR D100 and revised floor finish tags accordingly.

PLUMBING, ELECTRICAL, AND MECHANICAL

- 3.12 See Stair Associates Addendum @2, with **attachments**

**PART 4 - OTHER ITEMS**

- 4.1 NOT USED

**PART 5 - QUESTION AND ANSWER**

- 5.1 Casework:

**Question:** May wood studs be used in construction of the Reception Desk and Media Center Circulation Desk knee wall as shown on 10 & 11/ A603 and 4 & 5/A701?  
**Answer:** Yes, the Casework Bid Package may use wood studs in lieu of metal studs.

**END ADDENDUM**

SECTION 11 68 00 – PLAYGROUND EQUIPMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Product Selections:

1. Playground Timbers
2. Basketball Goals
3. Gaga Pit
4. 3-Bay Arch Swing
5. Swing Seats and Chains
6. Group Swing
7. Composite Play Structure
8. Net Climber
9. Large Spinner
10. 4-Person See Saw
11. Small Climber
12. Standing Spinner
13. Dome Climber
14. Communication Sign

- B. Related Sections include the following:

1. Division 31 Section "Earth Moving" for excavation and grading work.
2. Division 3 Section "Site Cast-in-Place Concrete" for concrete footings.
3. Division 32 Section "Playground Protective Surfacing" for playground surface.

1.3 DEFINITIONS

- A. Composite Play Structures: According to ASTM F 1487, this means "two or more play structures, attached or functionally linked," creating one integral unit with more than one play activity.
- B. Critical Height: Standard measure of shock attenuation. According to CPSC No. 325, this means "the fall height below which a life-threatening head injury would not be expected to occur."
- C. Fall Height: According to ASTM F 1487, this means "the vertical distance between a designated play surface and the protective surfacing beneath it." The fall height of playground equipment should not exceed the Critical Height of the protective surfacing beneath it.

- D. HDPE: High-density polyethylene.
- E. IPEMA: International Play Equipment Manufacturers Association.
- F. MDPE: Medium-density polyethylene.
- G. Play Structure: According to ASTM F 1487, this is "a free-standing structure with one or more components and their supporting members."
- H. Protective Surfacing: According to ASTM F 1487, this means impact-attenuating "materials to be used within the use zone of any playground equipment" for playground surface systems.
- I. PVC: Polyvinyl chloride.
- J. Transfer Point: According to ASTM F 1487, this is "a platform or deck along an accessible route of travel or an accessible platform provided to allow a child in a wheelchair to transfer from the chair onto the equipment."
- K. Use Zone: According to ASTM F 1487, this is "the area beneath and immediately adjacent to a play structure that is designated for unrestricted circulation around the equipment and on whose surface it is predicted that a user would land when falling from or exiting the equipment."

#### 1.4 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: For each type of playground equipment, include materials, plans, elevations, sections, details, method of field assembly, connections, and installation details. Indicate capacity and number of play activities.
- C. CAD Blocks: As part of the submittal review process, digital CAD files shall be provided to the Landscape Architect for each of the intended products showing the extents of the equipment in plan view. Play Equipment may be individual files or combined into a single file. 3D files are acceptable but not required providing the true outside limits of the piece is represented in a 2D plan.
- D. Coordination Drawings: Layout plans and elevations drawn to scale and coordinating playground equipment with playground surface systems. Show playground equipment locations, use zones, fall heights, extent of protective surfacing, and Critical Heights.
- E. Samples for Initial Selection: Manufacturer's color charts or 6-inch (150-mm) lengths of actual units showing the full range of colors and textures available for components with factory-applied color finishes.
- F. Samples for Verification: For the following products, for each type of exposed finish required, prepared on Samples of size indicated below and of same thickness and material indicated for the Work. If finishes involve normal color and texture variations, include sample sets showing the full range of variations expected. Landscape Architect reserves the right to require additional Samples that show fabrication techniques, workmanship, and design of playground equipment.

1. Steel Pipe: Not less than 6 inches (150 mm) long.
  2. Metal Roofing: Not less than 6 inches (150 mm) square.
  3. Molded Plastic: Not less than 3 inches (75 mm) square.
  4. Stainless Steel: Not less than 3 inches (75 mm) square.
  5. Steel Cable: Not less than 6 inches (150 mm) long
- G. Product Certificates: Signed by manufacturers of playground equipment and resilient surfacing certifying that products furnished comply with requirements.
- H. Installer Certificates: Signed by manufacturer certifying that installers comply with requirements.
- I. Manufacturer Certificates: Signed by manufacturers certifying that they comply with requirements.
- J. Material Certificates: Signed by manufacturers certifying that each of the following items complies with requirements:
1. Paints and similar finishes.
  2. Recycled plastic.
- K. Product Test Reports: From a qualified testing agency indicating playground equipment complies with requirements, based on comprehensive testing of current products.
- L. Field Quality-Control Report: Indicate compliance of playground and installed playground equipment and components with requirements.
- M. Maintenance Data: For playground equipment and finishes to include in maintenance manuals specified in Division 1.

#### 1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has specialized in installing work similar in material, design, and extent to that indicated for this Project and who is acceptable to manufacturer of playground equipment.
- B. Manufacturer Qualifications: A firm whose playground equipment components meet or exceed the latest requirements as published in ASTM F 1487-95 Standard Consumer Safety Product Performance for Playground Equipment for Public Use.
- C. Testing Agency Qualifications: An independent testing agency with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548.
- D. Standards and Guidelines: Provide playground equipment and resilient surfacing complying with or exceeding requirements in the following:
1. ASTM F 1487.
  2. CPSC No. 325, "Handbook for Public Playground Safety."
  3. Label play structures with warning label and manufacturer's identification per ASTM F 1487.
  4. ASTM F 1292-17 and F 1951.

1.6 COORDINATION

- A. Coordinate construction of equipment use zones and fall heights during installation of playground equipment with installation of protective surfacing specified herein. Sequence work so protective surfacing can be installed immediately after concrete footings have set.

PART 2 - PRODUCTS

2.1 PRODUCTS

- A. Products: Subject to compliance with requirements, provide and install complete play features as follows:
1. Playground Timbers: (refer to Division 32 Section - Playground Protective Surfacing)
  2. Basketball Goals:
    - a. Gared Sports, Noblesville, IN 46060; 1-800-325-2682. Model #GP105PC72 Endurance Playground System, 6" Square Post, 5' Extension, BB72P50 Polycarbonate Backboard, 8800 Goal, or approved equal prior to bidding.
  3. Ga-Ga Pits:
    - a. Ga-Ga Pits, Model Octagon 24"H with Walltop Cover, as manufactured by Coach Cliff's Gaga Pits, Waukegan, IL 60085, Phone 877-266-8426, or approved equal prior to bidding.
      - 1) Pre-approved Equal: Gaga Pit Model No. #590-0077 as manufactured by BCI Burke Company, Fond du Lac, WI 54937, 1-800-266-1250.
  4. 3-Bay Arch Swing:
    - a. Basis of Design - Swings: 5" Arch Swing w/ 6 belts, Model No. #221292 / 221293 as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.
      - 1) Pre-approved Equal: 8'-0" Arch Swing, Model No. KSW926-6B, as manufactured by Kompan Inc., 317.578.0588.
      - 2) Pre-approved Equal: 5" Arch Swing, as manufactured by Playworld Systems Inc., Lewisburg, PA 1-800-233-8404.
      - 3) Pre-approved Equal: 5" OD Arch Swing and Add-On Model Nos. #550-0135 and #550-0136 as manufactured by BCI Burke Company, Fond du Lac, WI 54937, 1-800-266-1250.
      - 4) **Approved Equal: ADA PowerScape Swing Frame Model Nos. #10847 and #10848 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
  5. Swing Seats and Chains:
    - a. Basis of Design - Swing Seats: Slash-Proof Belt Seat Model No. #174018 and Molded Bucket Seat with Seat Strap Model No. #177350 and #111416, as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.
      - 1) Welds shall be smooth and continuous with no gaps or pin holes. Final product shall be free of weld spatters and burrs. Each chain shall swing freely from a UHMW bushing for maximum wear resistance without requiring periodic maintenance.
      - 2) Swing mounting brackets shall be finished black.
      - 3) Swing chain and assembly hardware shall be galvanized.
      - 4) Chains to be a minimum of 80" long. Chains to be cut in field at a final height to be coordinated with the Owner.
      - 5) Pre-approved Equal: Swing Seat and ADA Seat, as manufactured by Kompan Inc., 317.578.0588.

- 6) Pre-approved Equal: Belt Seat Model No. #550-0112 as manufactured by BCI Burke Company, Fond du Lac, WI 54937, 1-800-266-1250.
  - 7) **Approved Equal: Belt Seat Package Model No. #8918 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
6. Group Swing:
- a. Basis of Design: Oodle Swing Model No. #173592 as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.
    - 1) Pre-Approved Equal: Portal Swing with Birds Nest Shell Seat, Model No. KSW92007, as manufactured by Kompan Inc., 317.578.0588.
    - 2) Pre-approved Equal: Volito Model No. #550-0186 as manufactured by BCI Burke Company, Fond du Lac, WI 54937, 1-800-266-1250.
    - 3) **Approved Equal: Arch Swing Model No. #5056 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
7. Composite Play Structure:
- a. Basis of Design: Beachcomber, Design No. #CP018107A, as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.
    - 1) **Approved Equal: Submitted Composite Structure as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
8. Net Climber, Pyramid:
- a. Basis of Design: Lunar Burst Model No. #173754, as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.
    - 1) Provide two (2) membrane platforms or seating elements integrated into the net structure.
    - 2) Pre-Approved Substitution: Mini Spacenet, Model No. #COR30301, as manufactured by Kompan Inc., 317.578.0588.
    - 3) Pre-Approved Equal: Denali 4M Net, Model No. #ZZXX1054, as manufactured by Playworld Systems Inc., Lewisburg, PA 1-800-233-8404.
    - 4) **Approved Equal: VistaSky Rope Tower 8 Model No. #5939SP as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
    - 5)
9. Large Spinner:
- a. Basis of Design: OmniSpin Model No. #173591, as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.
    - 1) Pre-approved Equal: Volta Inclusive Spinner Model No. #560-2579 as manufactured by BCI Burke Company, Fond du Lac, WI 54937, 1-800-266-1250.
    - 2) **Approved Equal: Spin With Me No. #6372 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
    - 3) **Approved Equal: Inclusive Whirl Model No. #6264 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
10. 4-Person See Saw:
- a. Basis of Design: WeSaw Model No. #186490 as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.
    - 1) Pre-approved Substitution: Multi-SeeSaw Model No. #M186 and #M147 as manufactured by Kompan Inc., 317.578.0588.
    - 2) Pre-approved Equal: Orb Rocker Model No. #570-2703 as manufactured by BCI Burke Company, Fond du Lac, WI 54937, 1-800-266-1250.

- 3) **Approved Equal: RoxAll See Saw Model No. #6245 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
11. Small Climber:  
a. Basis of Design: Funnel Climber, Model No. #144477 as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.  
1) Pre-approved Equal: Model No.#GXY991262 as manufactured by Kompan Inc., 317.578.0588, or approved equal prior to bidding.  
2) Pre-approved Equal: Verve V Model No. #560-2584 as manufactured by BCI Burke Company, Fond du Lac, WI 54937, 1-800-266-1250.  
3) **Approved Equal: Sensory Dome Small Model No. #6255 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
12. Spinner Bowl:  
a. Basis of Design: Spinner Bowl, Model No. #ELE400024 as manufactured by Kompan Inc., Tacoma, WA 98402, Phone 800.426.978, or approved equal prior to bidding.  
1) **Approved Equal: Tilted Whirlwind Seat Model No. #5142 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
13. Dome Climber:  
a. Basis of Design: Cozy Dome, Model No. #144477 as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.  
1) **Approved Equal: Discovery Cave w/ Primary Grips Model No. #5052 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
14. Communication Sign  
a. Basis of Design: Symbol Communication Sign w/ Posts, Model No. #298208 as manufactured by Landscape Structures Inc., Delano, MN 55328, 1-866-959-7866, or approved equal prior to bidding.  
1) **Approved Equal: Symbol Communication Sign w/ Posts Model No. #298208 as manufactured by Gametime, Fort Payne, AL, 35968, 1-800-235-2440.**
- B. **Manufacturers and Substitutions:** Subject to compliance with all intended play value, play experience, safety requirements, proven durability records, and advanced certifications deemed appropriate by the Landscape Architect, approved equals are encouraged as part of the bidding process. Bidders shall request approval of alternative products in writing during the bidding process. Complete and thorough submittals demonstrating equality and parity must be received no later than ten (10) days prior to the Bid Opening to be considered. Substitutions, if accepted, will be issued in writing by the Landscape Architect via addendum.
- C. **Required Coordination:** The successful Contractor shall be fully responsibility for coordination with respective playground manufacturers when attaching new product to existing structures. The Owner shall not bear any change orders or additional costs related to a lack of due diligence by the Contractor to ensure products included in their Bid are fully compliant with specifications, properly attach to existing structures, and maintain all warranties in force.
- D. **Colors:** As selected by Landscape Architect from manufacturer's full range of standard colors during Shop Drawing process.

## 2.2 MATERIALS

- A. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated and to comply with performance requirements for structural aluminum; mill finish or decorative baked-enamel powder-coat finish.
  - 1. Extruded Bars, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
    - a. Tubing: Minimum yield strength of 35,000 lbf/sq. in. (241 MPa) and minimum tensile strength of 38,000 lbf/sq. in. (262 MPa).
  - 2. Cast Aluminum: ASTM B 179.
- B. Steel: Comply with the following:
  - 1. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M, hot-dip galvanized.
  - 2. Steel Pipe: Standard-weight steel pipe complying with ASTM A 53 or electric-resistance-welded pipe complying with ASTM A 135, with a minimum yield strength of 30,000 lbf/sq. in. (205 MPa); hot-dip galvanized internally and externally.
  - 3. Steel Mechanical Tubing: Cold-rolled, electric-resistance-welded carbon or alloy steel tubing complying with ASTM A 513 or steel tubing fabricated from steel complying with ASTM A 569/A 569M and complying with the dimensional tolerances in ASTM A 500; with a minimum yield strength of 40,000 lbf/sq. in. (276 MPa) and a minimum tensile strength of 45,000 lbf/sq. in. (310 MPa); zinc coated internally and externally.
  - 4. Steel Sheet: Commercial steel sheet complying with ASTM A 569/A 569M.
  - 5. Galvanized Steel Sheet: Commercial steel sheet, hot-dip galvanized, complying with ASTM A 653/A 653M for not less than G60 (Z180) coating designation; mill phosphatized.
  - 6. Perforated Metal: From steel sheet not less than 0.0897-inch (2.3-mm) nominal thickness; manufacturer's standard perforation pattern.
- C. Opaque Plastic: Color impregnated, UV stabilized, and mold resistant.
  - 1. Polyethylene: Fabricated from virgin plastic resin; rotationally molded MDPE with not less than 1/4-inch (6-mm) wall thickness or molded HDPE.
- D. Transparent Plastic: Clear, colorless abrasion-resistant, UV-stabilized monolithic polycarbonate sheet, not less than 3/16 inch (5 mm) thick.
- E. Post Caps: Cast aluminum.
- F. Platform Clamps and Hangers: Cast aluminum or not less than 0.105-inch- (2.7-mm-) nominal thickness, zinc-plated steel.
- G. Hardware: Manufacturer's standard, commercial-quality, corrosion-resistant, hot-dip galvanized steel, stainless steel, or aluminum; secure, vandal-resistant design.
- H. Fasteners: Manufacturer's standard, corrosion-resistant, hot-dip galvanized or plated steel, or stainless steel; permanently capped; theft resistant.
- I. Drainage Fill: Washed coarse-aggregate mixture of crushed stone, or crushed or uncrushed gravel.
- J. Galvanizing: Where indicated for steel components, provide the following protective zinc coating applied to components after fabrication:

1. Zinc-Coated Tubing: External, zinc with organic overcoat, consisting of a minimum of 0.9 oz./sq. ft. (0.27 kg/sq. m) of zinc after welding, a chromate conversion coating, and a clear, polymer film. Internal, same as external or consisting of 81 percent, not less than 0.3-mil- (0.0076-mm-) thick, zinc pigmented coating.
2. Hot-Dip Galvanizing: According to ASTM A 123/A 123M, ASTM A 153/A 153M, or ASTM A 924/A 924M.

K. Paint and PVC-Coat Finish: Comply with 16 CFR 1303 for limiting lead in paint.

## 2.3 FABRICATION

- A. General: Provide sizes, strengths, thicknesses, wall thickness, and weights of components as indicated but not less than required to comply with structural performance and other requirements in ASTM F 1487. Factory drill components for field assembly. Unnecessary holes in components, not required for field assembly, are not permitted. Provide complete play structure, including supporting members and connections, means of access and egress, designated play surfaces, barriers, guardrails, handrails, handholds, and other components indicated or required to comply with referenced standards for equipment indicated.
- B. Rung Ladders, Stepladders, Stairways, Ramps, Step Platforms, and Transfer Points: Provide complete means of access and egress, with evenly spaced treads and rungs, easily grasped handholds, and slip-resistant foot surfaces; fabricated from manufacturer's standard materials complying with requirements indicated and compatible with frame and play surfaces. Provide closed risers and protective barriers if indicated or required by referenced standards.
- C. Play Surfaces: Provide elevated decks, platforms, landings, walkways, ramps, and similar transitional play surfaces, designed and framed to withstand loads and allowing for drainage. Fabricate units in manufacturer's standard modular sizes and shapes, to form assembled play surfaces of dimensions indicated on Drawings.
  1. Elevated Play Surfaces: Provide protective devices, completely surrounding play surface except for access openings, if play-surface heights above protective surfacing exceed the following for use by age group indicated:
    - a. Unless otherwise indicated, provide guardrails or protective barriers if play-surface heights above protective surfacing exceed 30 inches (760 mm) and provide protective barriers if play-surface heights above protective surfacing exceed 48 inches (1200 mm).
  2. Stepped Play Surfaces: Provide protective infill between stepped platforms according to referenced standards.
- D. Protective Barriers: Fabricated from welded metal pipe or tubing with vertical bars and fabricated with any openings within the barrier and between the barrier and the play surface precluding passage of the torso probe according to the most stringent requirements in ASTM F 1487 and CPSC No. 325. Provide barriers designed to minimize the possibility of climbing, free of hand- and footholds, and configured to completely surround the protected area except for access openings. Extend barriers to the following height above the protected elevated surface for use by age group indicated:
  1. Top surface not less than 38 inches (970 mm) high.

- E. Guardrails: Fabricated from metal pipe or tubing, and wood. Provide guardrails configured to completely surround the protected area except for access openings. Extend guardrails over the following expanse above the protected elevated surface for use by age group indicated:
  - 1. Top surface at not less than 38 inches (970 mm) and lower edge at not more than 28 inches (710 mm).
- F. Handrails: Welded metal pipe or tubing, OD 0.125 inch (3.2 mm). Provide handrails at height between the following dimensions for use by age group indicated:
  - 1. 22 to 38 inches (560 to 970 mm).
- G. Structural Plastic Slide Chutes: Opaque plastic, unless transparent plastic is indicated.
- H. Roofs: Fabricated from metal and wood designed to be positioned overhead and to discourage and minimize climbing by users.
- I. Climbing Ropes, Cables, and Chains: Designed to be secured at both ends so length cannot be looped back on itself creating a loop with an inside perimeter greater than 5 inches (127 mm). Ropes, cables, and chains with length 7 inches (178 mm) or less may be attached at one end only.
- J. Flexible Climbers: Designed to securely connect flexible-climber components used as access to other components at both ends. For components with one end connected to ground level, provide flexible climbers designed with the anchoring connection to ground placed beneath the base of protective surfacing.
- K. Steel Components: Galvanized, galvanized and color coated, or color coated. Bare metal steel components are not permitted.
  - 1. Color-Coated Pipe and Tubing for Component Frames: PVC-coat or baked-enamel powder coat applied to steel or galvanized steel.

#### 2.4 CAST-IN-PLACE CONCRETE

- A. Top of concrete footings shall be held 12" below finished grade within all protective play surfacing conditions. Account for any related impacts on overall footing depth to achieve Manufacturer's recommendations.
- B. Concrete Materials and Properties: Dry-packaged concrete mix complying with ASTM C 387 and mixed at the site with potable water, according to manufacturer's written instructions, to produce normal-weight concrete with a minimum 28-day compressive strength of 3,000 psi (20.7 MPa), 3-inch (75-mm) slump, and 1-inch- (25-mm-) maximum size aggregate.

#### 2.5 METAL FINISHES, GENERAL

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating metal finishes.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are

acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## 2.6 STEEL, ALUMINUM, AND GALVANIZED STEEL FINISHES

- A. Baked-Enamel Powder-Coat Finish: Manufacturer's standard, baked, polyester-TGIC, powder-coat finish complying with finish manufacturer's written instructions for surface preparation, including pretreatment, application, baking, and minimum dry film thickness of 3 to 5 mils (0.075 to 0.127 mm).
- B. PVC Finish: Manufacturer's standard, UV-stabilized, mold-resistant, slip-resistant,-matte-textured, dipped or sprayed-on, PVC-plastisol finish, with flame retardant added, complying with coating manufacturer's written instructions for pretreatment, application, and minimum dry film thickness of 80 mils (2 mm).

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, site surface and subgrade drainage, and other conditions affecting performance.
  - 1. Do not begin installation before final grading required for placing protective surfacing is completed, unless otherwise permitted by Landscape Architect.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Verify locations of playground perimeter and pathways. Verify that playground layout and equipment locations comply with requirements for each type and component of equipment.

### 3.3 INSTALLATION, GENERAL

- A. General: Comply with manufacturer's written installation instructions, unless more stringent requirements are indicated. Anchor playground equipment securely, positioned at locations and elevations indicated on Shop Drawings.
  - 1. Maximum Equipment Height: Coordinate installed heights of equipment and components with installation of protective surfacing. Set equipment so fall heights and elevation requirements for age group use and accessibility are within required limits. Verify that playground equipment elevations comply with requirements for each type and component of equipment.
- B. Post and Footing Excavation: Hand-excavate holes for posts and footings to dimensions, profile, spacings, and in locations indicated on Drawings, in firm, undisturbed or compacted subgrade soil. Level bearing surfaces with drainage fill to required elevation.

- C. Post Setting: Set main-frame equipment posts in concrete footing. Protect portion of posts above footing from concrete splatter. Place concrete around posts and vibrate or tamp for consolidation. Verify that posts are set plumb or at the correct angle and are aligned and at the correct height and spacing. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.
- D. Resilient Surface Installation: Excavate area to dimensions and depth as indicated in the Drawings. Confirm use zone for each play structure with manufacturer's coordination drawings. Place separation fabric in excavated area, allowing for overlap as indicated. Place and compact crushed stone base to depth indicated in the Drawings.
- E. ADA Swing Alignment: The Contractor shall align newly installed ADA swings into the center of existing bays. Provide all labor and materials to properly fasten the system.
- F. Carefully coordinate surfacing depths with the General Contractor. Ensure that a uniform, evenly finished surface is achieved.

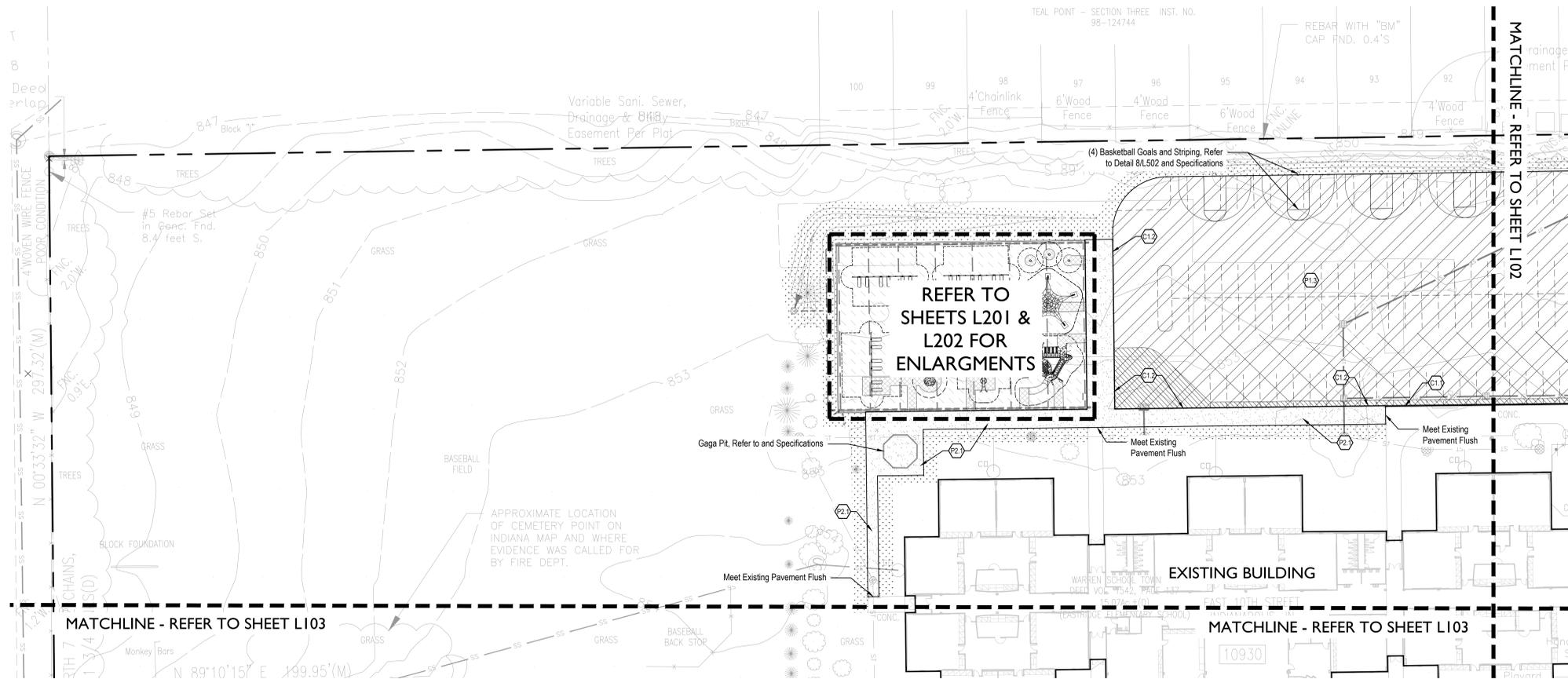
### 3.4 FIELD QUALITY CONTROL

- A. Arrange for playground equipment manufacturer's technical personnel to inspect playground and playground equipment and components during installation and at final completion and to certify compliance with the following:
  - 1. ASTM F 1487.
  - 2. CPSC No. 325.
- B. Notify Landscape Architect and Owner 48 hours in advance of date and time of final inspection.

### 3.5 CLEANING

- A. After completing playground equipment installation, inspect components. Remove spots, dirt, and debris. Repair damaged finishes to match original finish or replace component.

END OF SECTION 11 68 00



### MATERIAL LEGEND

- P1.0 Pavement, Asphalt**
- P1.1 Standard Asphalt Pavement, Refer to Detail 4/L501 and Specifications
  - P1.2 Asphalt Resurfacing, Refer to Detail 6/L501 and Specifications
  - P1.3 Heavy Duty Asphalt Pavement, Refer to Detail 5/L501 and Specifications
  - P1.4 ROW Asphalt Paving, Refer to Civil Drawings

- P2.0 Pavement, Concrete**
- P2.1 Standard Concrete Pavement, Refer to Details 1-3/L501 and Specifications
  - P2.2 ROW Concrete Pavement, Refer to Detail Figure 101.16/L503

- C1.0 Curbing**
- C1.1 Concrete Post Curb, Refer to Detail Figure 101.14/L503 and Specifications
  - C1.2 Monolithic Concrete Curb and Sidewalk, Refer to Detail Figure 101.13/L503 and Specifications
  - C1.3 Not Used
  - C1.4 Integral Curb and Walk at Play Surface, Refer to Detail 9/L502 and Specifications
  - C1.5 Wheel Stop, Refer to Detail 7/L502 and Specifications
- S1.0 Signage, (comply with MUTCD Standards) (VIF Regulatory Signs with City Representative)**
- S1.1 Van Accessible ADA Parking Striping, Refer to Detail 4/L502 and Specifications
  - S1.2 Accessible Parking Symbol, Refer to Detail 6/L502 and Specifications
  - S1.3 Accessible Parking Sign, Refer to Detail 5/L502 and Specifications

- R1.0 Accessible Sidewalk Ramps**
- R1.1 One-Way Directional Perpendicular Curb Ramp, Refer to Detail E604-SWCR-06/L506 and Specifications
  - R1.2 Perpendicular Curb Ramp, Refer to Details E604-SWCR-03/L504 and E604-SWCR-04/L505 and Specifications
  - R1.3 One-way Directional Perpendicular Curb Ramp w/ Buffer, Refer to Details E604-SWCR-03/L504, Detail E604-SWCR-04/L505 and Specifications
  - R1.4 Parallel Curb Ramp, Refer to Detail E604-SWCR-08/L506 and Specifications
  - R1.5 Depressed Corner Curb Ramp, Refer to Detail E604-SWCR-09/L507 and Specifications

- S2.0 Playground Protective Surfacing**
- S2.1 Engineered Wood Fiber Play Surface, Refer to Detail 2/L502 and Specifications
  - S2.2 Resilient Rubber Play Surface, Refer to Detail 1/L502 and Specifications

- F1.0 Fencing**
- F1.1 28'-0" wide Hoover Z-Series Swing Gate, Double Leaf Barrier, 4'-0" HT, Aluminum Tubular, Refer to Specifications
  - F1.2 36'-0" wide Hoover Z-Series Swing Gate, Double Leaf Barrier, 4'-0" HT, Aluminum Tubular, Refer to Specifications
  - F1.3 6'-2" wide Swing Gate, Double Leaf, Vinyl Coated with Privacy Slats, Refer to Specifications

- F2.0 Site Furnishings**
- F2.1 Flag Pole, Refer to Detail 8/L501 and Specifications

Area to be Seeded

Note:  
Refer to Details and Specifications for Pavement Striping.



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PROJECT: MSD OF WARREN TOWNSHIP  
**EASTRIDGE ELEMENTARY SCHOOL RENOVATION & ADDITION**  
10930 E. 10TH ST., INDIANAPOLIS, IN 46229

**SCOPE DRAWINGS:**  
These drawings indicate the general scope of the project to be constructed. The contractor shall be responsible for the design, construction, and maintenance of all structural, mechanical and electrical systems. The contractor shall be responsible for all performance and completion of the work required by the contract. On the date of the general access enclosure or assignment, the contractor shall furnish all items required for the proper execution and completion of the work.

**REVISIONS:**

▲ Addenda #1	10/13/2022
▲ Addenda #2	10/21/2022

ISSUE DATE	DRAWN BY	CHECKED BY
09/19/2022	MA	CCH

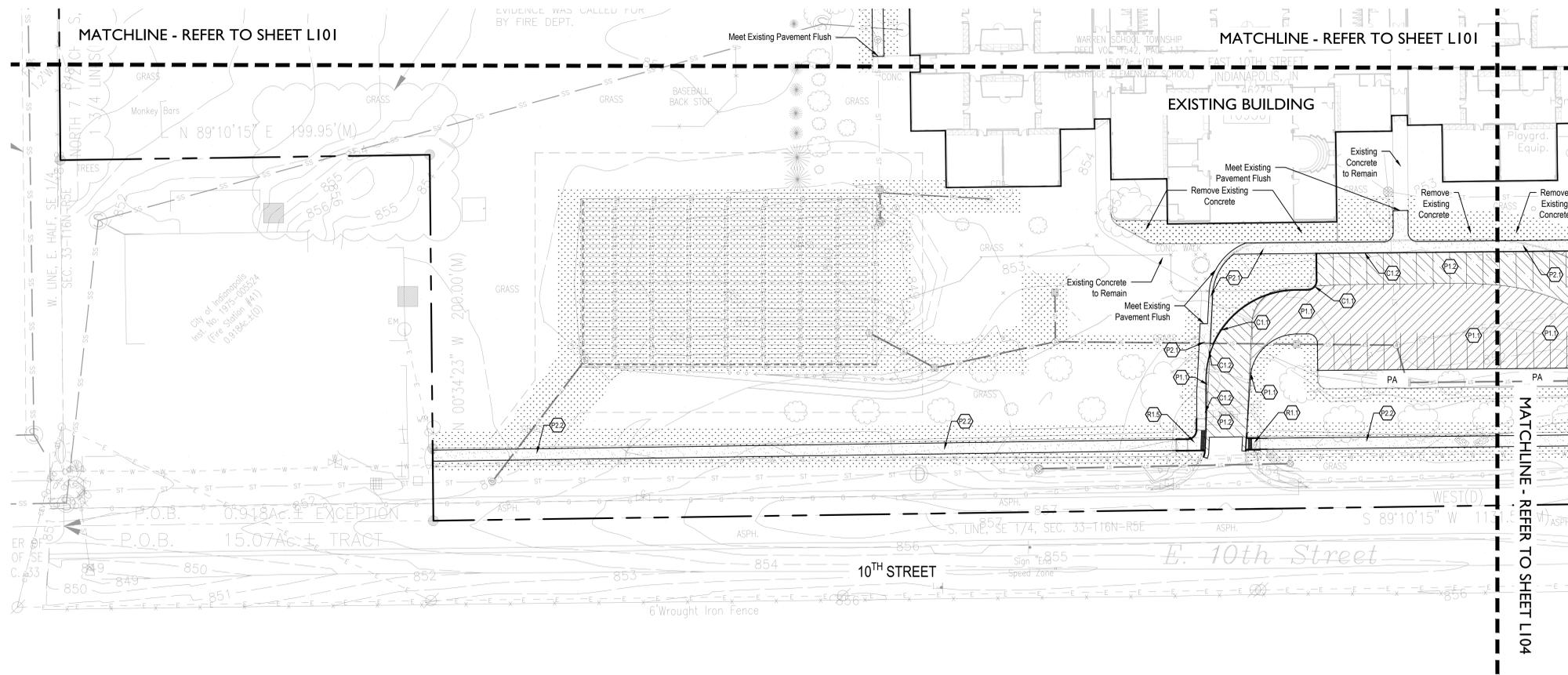
DRAWING TITLE:  
**MATERIALS PLAN**

CERTIFIED BY:

DRAWING NUMBER  
**L101**

PROJECT NUMBER  
**2020061**





**MATERIAL LEGEND**

- P1.0 Pavement, Asphalt
  - (P1.1) Standard Asphalt Pavement, Refer to Detail 4/L501 and Specifications
  - (P1.2) Asphalt Resurfacing, Refer to Detail 6/L501 and Specifications
  - (P1.3) Heavy Duty Asphalt Pavement, Refer to Detail 5/L501 and Specifications
  - (P1.4) ROW Asphalt Paving, Refer to Civil Drawings
  
- P2.0 Pavement, Concrete
  - (P2.1) Standard Concrete Pavement, Refer to Details 1-3/L501 and Specifications
  - (P2.2) ROW Concrete Pavement, Refer to Detail Figure 101.16/L503
  
- C1.0 Curbing
  - (C1.1) Concrete Post Curb, Refer to Detail Figure 101.14/L503 and Specifications
  - (C1.2) Monolithic Concrete Curb and Sidewalk, Refer to Detail Figure 101.13/L503 and Specifications
  - (C1.3) Not Used
  - (C1.4) Integral Curb and Walk at Play Surface, Refer to Detail 9/L502 and Specifications
  - (C1.5) Wheel Stop, Refer to Detail 7/L502 and Specifications
  
- S1.0 Signage, (comply with MUTCD Standards) (VIF Regulatory Signs with City Representative)
  - (S1.1) Van Accessible ADA Parking Striping, Refer to Detail 4/L502 and Specifications
  - (S1.2) Accessible Parking Symbol, Refer to Detail 6/L502 and Specifications
  - (S1.3) Accessible Parking Sign, Refer to Detail 5/L502 and Specifications
  
- R1.0 Accessible Sidewalk Ramps
  - (R1.1) One-Way Directional Perpendicular Curb Ramp, Refer to Detail E604-SWCR-06/L506 and Specifications
  - (R1.2) Perpendicular Curb Ramp, Refer to Details E604-SWCR-03/L504 and E604-SWCR-04/L505 and Specifications
  - (R1.3) One-way Directional Perpendicular Curb Ramp w/ Buffer, Refer to Details E604-SWCR-03/L504, Detail E604-SWCR-04/L505 and Specifications
  - (R1.4) Parallel Curb Ramp, Refer to Detail E604-SWCR-08/L506 and Specifications
  - (R1.5) Depressed Corner Curb Ramp, Refer to Detail E604-SWCR-09/L507 and Specifications
  
- S2.0 Playground Protective Surfacing
  - (S2.1) Engineered Wood Fiber Play Surface, Refer to Detail 2/L502 and Specifications
  - (S2.2) Resilient Rubber Play Surface, Refer to Detail 1/L502 and Specifications
  
- F1.0 Fencing
  - (F1.1) 28'-0" wide Hoover Z-Series Swing Gate, Double Leaf Barrier, 4'-0" HT, Aluminum Tubular, Refer to Specifications
  - (F1.2) 36'-0" wide Hoover Z-Series Swing Gate, Double Leaf Barrier, 4'-0" HT, Aluminum Tubular, Refer to Specifications
  - (F1.3) 6'-2" wide Swing Gate, Double Leaf, Vinyl Coated with Privacy Slats, Refer to Specifications
  
- F2.0 Site Furnishings
  - (F2.1) Flag Pole, Refer to Detail 8/L501 and Specifications
  
- (S2.3) Area to be Seeded

Note:  
Refer to Details and Specifications for Pavement Striping.



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PROJECT:  
MSD OF WARREN TOWNSHIP  
**EASTRIDGE ELEMENTARY SCHOOL RENOVATION & ADDITION**  
10930 E. 10TH ST. INDIANAPOLIS, IN 46229

SCOPE DRAWINGS:  
These drawings indicate the general scope of the project. It is the responsibility of the contractor to verify the accuracy of all dimensions, materials, and specifications. The contractor shall be responsible for all performance and completion of the work. The contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:  
Addenda #1 10/13/2022  
Addenda #2 10/21/2022

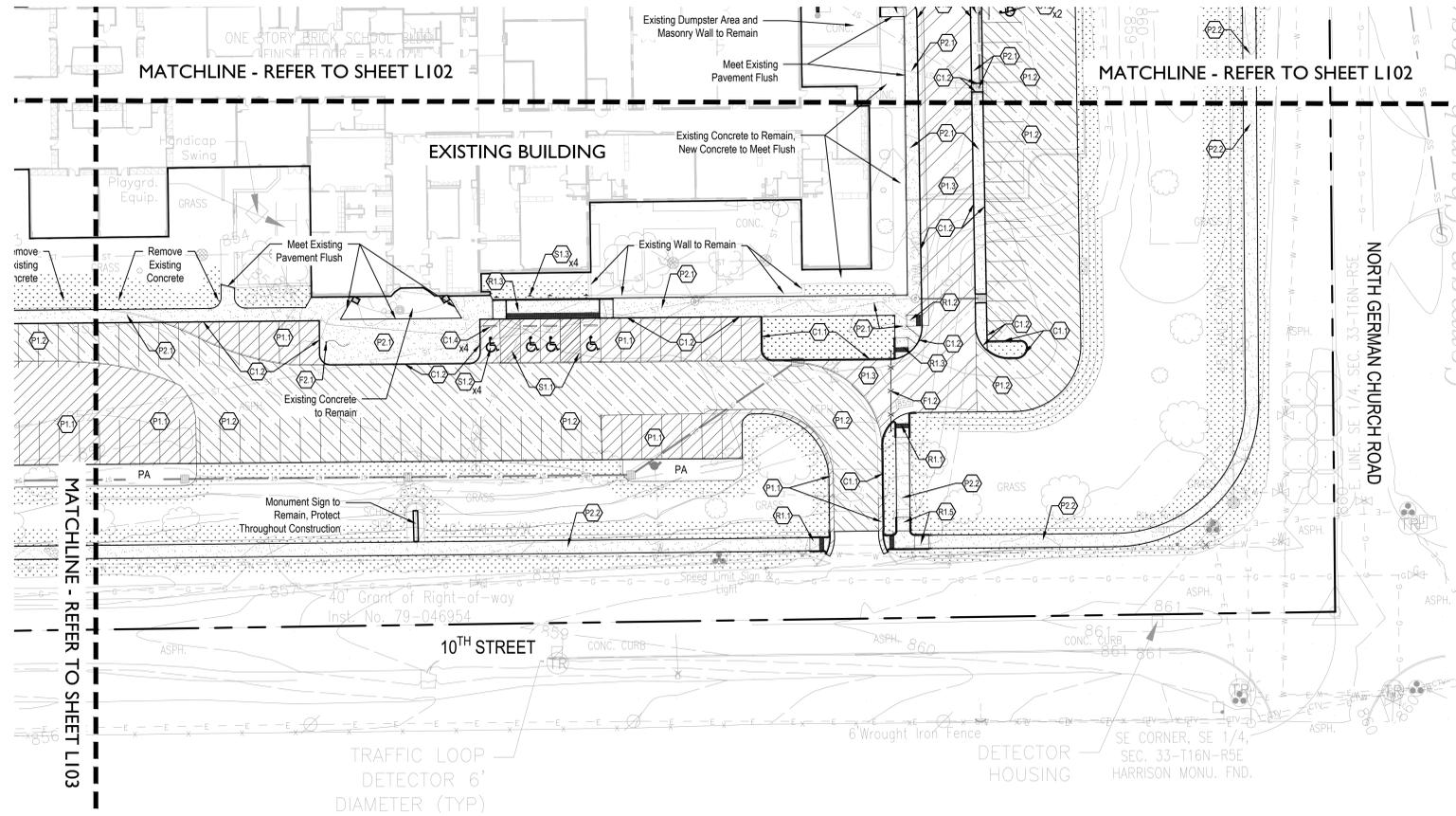
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09/19/2022	MA	CCH

DRAWING TITLE:  
**MATERIALS PLAN**

CERTIFIED BY:

DRAWING NUMBER  
**L103**

PROJECT NUMBER  
**2020061**



**MATERIAL LEGEND**

- P1.0 Pavement, Asphalt**
  - P1.1 Standard Asphalt Pavement, Refer to Detail 4/L501 and Specifications
  - P1.2 Asphalt Resurfacing, Refer to Detail 6/L501 and Specifications
  - P1.3 Heavy Duty Asphalt Pavement, Refer to Detail 5/L501 and Specifications
  - P1.4 ROW Asphalt Paving, Refer to Civil Drawings
- P2.0 Pavement, Concrete**
  - P2.1 Standard Concrete Pavement, Refer to Details 1-3/L501 and Specifications
  - P2.2 ROW Concrete Pavement, Refer to Detail Figure 101.16/L503
- C1.0 Curbing**
  - C1.1 Concrete Post Curb, Refer to Detail Figure 101.14/L503 and Specifications
  - C1.2 Monolithic Concrete Curb and Sidewalk, Refer to Detail Figure 101.13/L503 and Specifications
  - C1.3 Not Used
  - C1.4 Integral Curb and Walk at Play Surface, Refer to Detail 9/L502 and Specifications
  - C1.5 Wheel Stop, Refer to Detail 7/L502 and Specifications
- S1.0 Signage, (comply with MUTCD Standards) (VIF Regulatory Signs with City Representative)**
  - S1.1 Van Accessible ADA Parking Striping, Refer to Detail 4/L502 and Specifications
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  - R1.3 One-way Directional Perpendicular Curb Ramp w/ Buffer, Refer to Details E604-SWCR-03/L504, Detail E604-SWCR-04/L505 and Specifications
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  - F1.3 6'-2" wide Swing Gate, Double Leaf, Vinyl Coated with Privacy Slats, Refer to Specifications
- F2.0 Site Furnishings**
  - F2.1 Flag Pole, Refer to Detail 8/L501 and Specifications
- Area to be Seeded

Note:  
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PROJECT: MSD OF WARREN TOWNSHIP  
**EASTRIDGE ELEMENTARY SCHOOL RENOVATION & ADDITION**  
10930 E. 10TH ST. INDIANAPOLIS, IN 46229

**SCOPE DRAWINGS:**  
These drawings indicate the general scope of the project to be performed by the contractor. The contractor is responsible for providing the major portions of the work. The drawings do not necessarily include or describe all work required for full performance and completion of the project. The contractor shall verify the scope of work and the trade contribution shall furnish all items required for the proper execution and completion of the work.

**REVISIONS:**  
 Addenda #1 10/13/2022  
 Addenda #2 10/21/2022

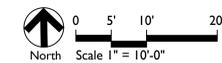
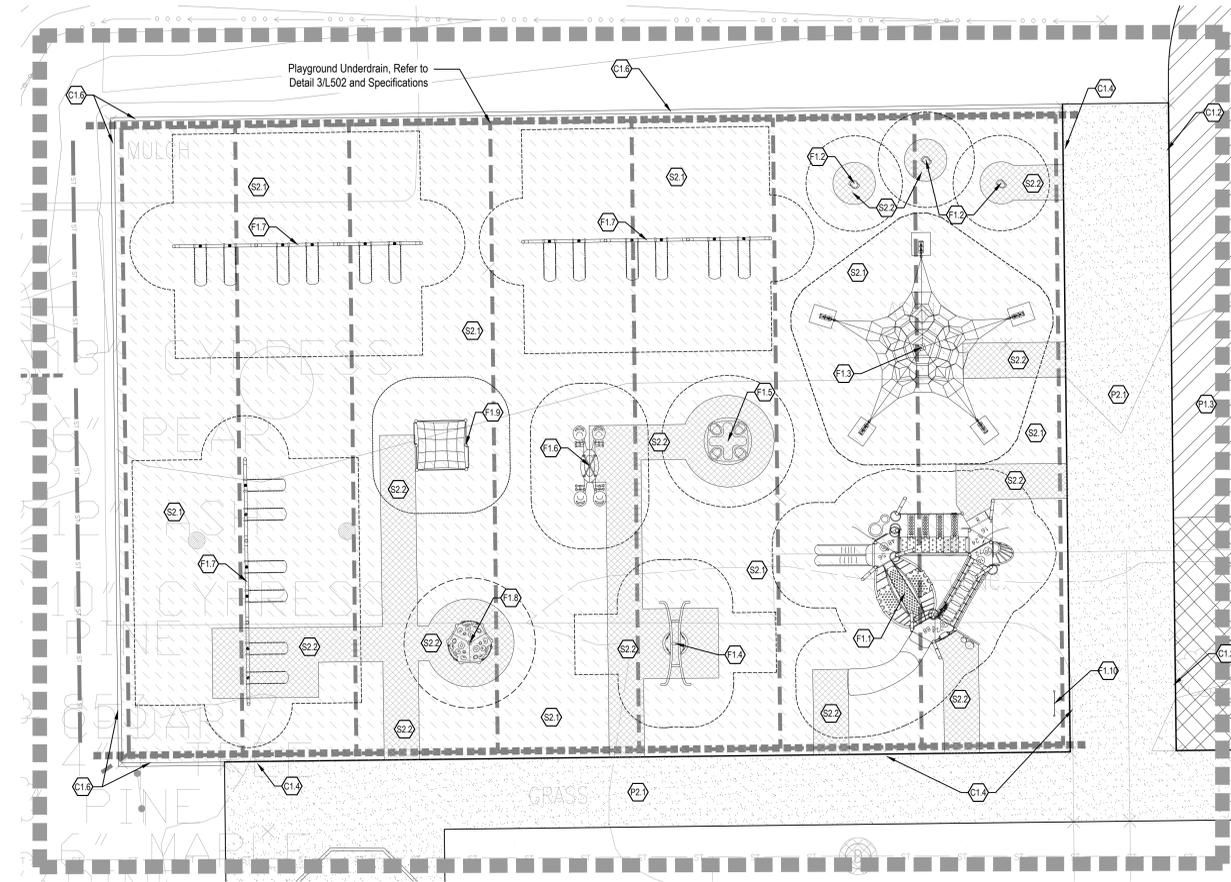
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09/19/2022	MA	CCH

DRAWING TITLE:  
**MATERIALS PLAN**

CERTIFIED BY:

DRAWING NUMBER  
**L104**

PROJECT NUMBER  
**2020061**



**MATERIAL LEGEND**

- P1.0 Pavement, Asphalt
  - (P1.1) Standard Asphalt Pavement, Refer to Detail 4/L501 and Specifications
  - (P1.2) Standard Asphalt Pavement over Recompacted Existing Stone Base, Refer to Detail 6/L501 and Specifications
  - (P1.3) Heavy Duty Asphalt Pavement, Refer to Detail 5/L501 and Specifications
  - (P1.4) ROW Asphalt Paving, Refer to Civil Drawings
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  - (C1.2) Integral Concrete Curb and Walk, Refer to Detail 7/L501 and Specifications
  - (C1.3) Not Used
  - (C1.4) Integral Curb and Walk at Play Surface, Refer to Detail 9/L502 and Specifications
  - (C1.5) Wheel Stop, Refer to Detail 7/L502 and Specifications
  - (C1.9) Play Timber, Refer to Specifications
- S1.0 Signage, (comply with MUTCD Standards) (VIF Regulatory Signs with City Representative)
  - (S1.1) Van Accessible ADA Parking Striping, Refer to Detail 4/L502 and Specifications
  - (S1.2) Accessible Parking Symbol, Refer to Detail 6/L502 and Specifications
  - (S1.3) Van Accessible Parking Sign, Refer to Detail 5/L502 and Specifications
- F1.0 Playground Equipment
  - (F1.1) Composite Play Structure, Refer to Specifications
  - (F1.2) Spinner Seat, Refer to Specifications
  - (F1.3) Net Climber, Refer to Specifications
  - (F1.4) Group Swing, Refer to Specifications
  - (F1.5) Large Spinner, Refer to Specifications
  - (F1.6) 4-Person Seesaw, Refer to Specifications
  - (F1.7) 3-Bay Arch Swing, Refer to Specifications
  - (F1.8) Climber Dome, Refer to Specifications
  - (F1.9) Small Climber, Refer to Specifications
  - (F1.10) Communication Board, Refer to Specifications
- R1.0 Accessible Sidewalk Ramps
  - (R1.1) One-Way Directional Perpendicular Curb Ramp, Refer to Detail 1/L503 and Specifications
  - (R1.2) Perpendicular Curb Ramp with Flares, Refer to Detail 2/L503 and Specifications
  - (R1.3) Perpendicular Curb Ramp with Flare and Curb, Refer to Detail 3/L503 and Specifications
  - (R1.4) Parallel Curb Ramp, Refer to Detail 4/L503 and Specifications
  - (R1.5) Depressed Corner Curb Ramp, Refer to Detail 5/L503 and Specifications
- S2.0 Playground Protective Surfacing
  - (S2.1) Engineered Wood Fiber Play Surface, Refer to Detail 2/L502 and Specifications
  - (S2.2) Resilient Rubber Play Surface, Refer to Detail 1/L502 and Specifications
- F1.0 Fencing
  - (F1.1) 28'-0" wide Hoover Z-Series Swing Gate, Double Leaf Barrier, 4'-0" HT, Aluminum Tubular, Refer to Specifications
  - (F1.2) 36'-0" wide Hoover Z-Series Swing Gate, Double Leaf Barrier, 4'-0" HT, Aluminum Tubular, Refer to Specifications
- F2.0 Site Furnishings
  - (F2.1) Flag Pole, Refer to Detail 6/L503 and Specifications
- (S2.3) Area to be Seeded

Note:  
Refer to Details and Specifications for Pavement Striping.



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PROJECT:  
MSD OF WARREN TOWNSHIP  
**EASTRIDGE ELEMENTARY SCHOOL  
RENOVATION & ADDITION**  
10930 E. 10TH ST. INDIANAPOLIS, IN 46229

**SCOPE DRAWINGS:**  
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of structural, mechanical and electrical systems and the building's major architectural details. The drawings do not necessarily include or describe all work required for full performance and completion of the project. The general scope, conditions or assumptions the trade contractors shall furnish all items required for the proper execution and completion of the work.

**REVISIONS:**  
Addenda #1 10/13/2022  
Addenda #2 10/21/2022

ISSUE DATE	DRAWN BY	CHECKED BY
09/19/2022	MA	CCH

DRAWING TITLE:  
**ENLARGED  
PLAYGROUND  
MATERIALS  
PLAN**

CERTIFIED BY:  
  
ALYSSA P. PRAR  
REGISTERED  
No. 2020-0132  
STATE OF INDIANA  
LANDSCAPE ARCHITECT  
EXPIRES 12-31-2023

DRAWING NUMBER  
**L201**

PROJECT NUMBER  
**2020061**



**GENERAL DEMOLITION NOTES**

- A. HEAVY DASHED LINES INDICATE STRUCTURE, WALLS AND ITEMS TO BE DEMOLISHED UNLESS NOTED OTHERWISE.
- B. SOLID LINES INDICATE STRUCTURE, WALLS, & ITEMS TO REMAIN, UNLESS NOTED OTHERWISE.
- C. PROTECT ALL FINISHES, EQUIPMENT & OTHER ITEMS TO REMAIN, WHERE DAMAGE OCCURS, PATCH AND REPAIR OR OTHERWISE RESTORE TO ITS ORIGINAL CONDITION OR REPLACE.
- D. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION AND RELATED CONDITIONS PRIOR TO STARTUP OF DEMOLITION OR NEW CONSTRUCTION.
- E. COORDINATE EXTENTS AND EXACT DIMENSIONS WITH EXTENTS AND EXACT DIMENSIONS OF NEW WORK.
- F. ANY AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND OWNER.
- G. REMOVE ALL MISCELLANEOUS EQUIPMENT ATTACHED TO WALLS, FLOORS AND CEILINGS TO BE DEMOLISHED. COORDINATE WITH THE OWNER FOR ITEMS TO BE SALVAGED OR RE-INSTALLED.
- H. REMOVE ANY ITEMS NOT SPECIFICALLY IDENTIFIED TO BE REMOVED WHICH MUST OBVIOUSLY BE DEMOLISHED TO ACCOMMODATE NEW WORK. VERIFY WITH ARCHITECT.
- I. ALL OPENINGS, VOIDS, OR DAMAGED SURFACES LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, WINDOWS, ETC., SHALL BE PATCHED & REPAIRED TO MATCH SURROUNDING WORK. PREPARE TO RECEIVE NEW FINISHES AS REQUIRED.
- J. REMOVE ALL MASTIC, ADHESIVES, FASTENERS AND OTHER MATERIALS WHERE FINISHES (SUCH AS FLOORING, BASE) AND EQUIPMENT (SUCH AS CASEWORK, TABLETOPS, MARKERBOARDS, MECHANICAL ITEMS, ETC.) HAVE BEEN REMOVED AT EXISTING SURFACES TO REMAIN.
- K. CONSTRUCT DUST AND SOUND CONTROL BARRIERS PRIOR TO THE START OF WORK.
- L. SEE SPECIFICATIONS FOR ASSIGNMENT OF RESPONSIBILITIES PERTAINING TO PATCHING AND REPAIR WORK REQUIRED OF EACH TRADE.
- M. DEMOLITION WORK TO BE COMPLETED BY MECHANICAL, PLUMBING, ELECTRICAL TRADES IS SHOWN ON OTHER SHEETS IN THIS SET OF CONTRACT DOCUMENTS. THIS CONTRACTOR SHALL REVIEW THE DEMOLITION WORK OF OTHER TRADES TO DETERMINE WHERE SUCH WORK COULD AFFECT HIS WORK AND SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES.
- N. AT NEW OPENINGS IN EXISTING BRICK MASONRY WALLS, TOOTH IN BRICK TO MATCH EXISTING.
- O. AT NEW OPENINGS IN EXISTING CONCRETE MASONRY WALLS, TOOTH IN NEW CMU TO MATCH EXISTING.
- P. WHERE EXISTING SURFACE MOUNTED VISUAL DISPLAY BOARDS (MARKER, CHALK, TACK BOARDS) ARE BEING REMOVED FROM WALLS, WALL SURFACE BEHIND BOARD IS TO BE PREPARED TO MATCH TEXTURE OF SURROUNDING SURFACES. PROVIDE BLOCK FILLER AS REQUIRED AND PATCH MOUNTING HOLES COMPLETE. REMOVE PAINT BUILD UP AT BOARD EDGES.
- Q. CONTRACTOR IS RESPONSIBLE FOR PREP WORK REQUIRED FOR FLOOR SLAB TO RECEIVE NEW FINISHES. PREP WORK TO INCLUDE: PATCH FLOOR SLAB AT AREAS THAT WILL BE CUT TO ACCOMMODATE NEW PLUMBING LINES OR WHERE CARPING OF EXISTING LINES BELOW THE SLAB IS REQUIRED AND FILLING IN HOLES IN SLAB WHERE EXISTING MEP HAS BEEN ABANDONED.

**KEYED DEMOLITION NOTES**

- 1. DEMOLISH MASONRY WALL CONSTRUCTION AS INDICATED COMPLETE TO MINIMUM 8" BELOW FLOOR LEVEL. PATCH AND REPAIR FLOOR AS REQUIRED TO RECEIVE NEW FINISH.
- 2. REMOVE EXTERIOR BLOCK AND BRICK WALL CONSTRUCTION AS INDICATED / REQUIRED FOR NEW WORK.
- 3. REMOVE METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION AS INDICATED.
- 4. DEMOLISH CERAMIC WALL TILE AND METAL STUD PARTITION AS INDICATED.
- 5. SELECTIVELY REMOVE GYPSUM BOARD AND METAL STUD FLOORING SYSTEM AS REQUIRED FOR NEW OPENING NEW WORK.
- 6. REMOVE VINYL WALL COVERING COMPLETELY. PATCH AND PREPARE SUBSTRATE TO RECEIVE NEW FINISHES.
- 7. REMOVE VINYL WALL COVERING FROM ABOVE CERAMIC TILE TO REMAIN.
- 8. REMOVE CARPET COMPLETELY FROM WALLS. REMOVE EXISTING GYPSUM BOARD SUBSTRATE AND REPLACE WITH NEW. PREPARE WALLS TO RECEIVE NEW FINISHES.
- 9. REMOVE PORTION OF MASONRY WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR AND/OR BORHOLEWED LITE AND LINTEL. TO 8" BELOW EXIST. FLOOR SLAB.
- 10. REMOVE DOOR AND CULLOW METAL FRAME COMPLETE. INCLUDING HARDWARE, TRANSOM PANELS, SIDELIGHTS, ANCHORS, GLAZING, ETC.
- 11. DEMOLISH ALUMINUM STOREFRONT SYSTEM COMPLETELY.
- 12. REMOVE VINYL COMPOSITION TILE AND RESILIENT BASE COMPLETE.
- 13. DEMOLISH CERAMIC TILE FLOORING COMPLETELY.
- 14. DEMOLISH CARPET AND VINYL BASE.
- 15. DEMOLISH RESILIENT ATHLETIC FLOORING SYSTEM AND RESILIENT BASE COMPLETE.
- 16. REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM COMPLETE.
- 17. SELECTIVELY REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING SYSTEM AS REQUIRED FOR NEW CONSTRUCTION.
- 18. REMOVE PLUMBING FIXTURE(S) COMPLETE. COORDINATE WITH PLUMBING DRAWINGS.
- 19. REMOVE ALL TOILET ACCESSORIES THIS ROOM COMPLETE.
- 20. DEMOLISH CASEWORK COMPLETELY.
- 21. DEMOLISH RECEPTION DESK COMPLETELY.
- 22. REMOVE EXISTING BASKETBALL BACKSTOP SYSTEMS (4 WALL-MOUNTED AND 2 CEILING MOUNTED UNITS) AND ALL MISCELLANEOUS WALL MOUNTED P.E. EQUIPMENT COMPLETE, INCLUDING ALL WALL PADDING, HARDWARE, BLOCKING, AND ASSOCIATED BRACING.
- 23. DEMOLISH WALL PADDING AND FLOOR PADDING COMPLETELY.
- 24. DEMOLISH EXISTING ALUMINUM WINDOW COMPLETELY.
- 25. REMOVE GYPSUM BOARD WHERE INDICATED FROM STUDS TO REMAIN. COORDINATE WITH PLUMBING DRAWINGS.
- 26. DEMOLISH COUNTER TOP COMPLETELY FROM CASEWORK TO REMAIN. COORDINATE WITH PLUMBING DRAWINGS.
- 27. DEMOLISH SCREEN WALL. PROTECT GAS METER AS REQUIRED AND COORDINATE WITH ALL OTHER TRADES.
- 28. REMOVE WOOD FRAMED VISUAL DISPLAY BOARD (TACKETS), COMPLETELY.
- 29. DEMOLISH DISPLAY CASE COMPLETELY.
- 30. SELECTIVELY REMOVE CARPET AS REQUIRED FOR NEW WORK. SALVAGE FOR PATCH AND REPAIR.
- 31. DEMOLISH WOOD DOOR AND HARDWARE FROM FRAME TO REMAIN. PATCH ALL EXISTING HOLES IN FRAME AND PREPARE FOR NEW DOOR INSTALLATION.
- 32. DEMOLISH HOLLOW METAL DOOR AND HARDWARE FROM FRAME TO REMAIN. PATCH ALL EXISTING HOLES IN FRAME AND PREPARE FOR NEW DOOR INSTALLATION.
- 33. APPLIANCES: EQUIPMENT TO BE REMOVED BY OWNER.
- 34. GRIND DOWN ENTIRE EXISTING CONCRETE SLAB 3"8" AND PREPARE TO RECEIVE NEW EPOXY TERRAZZO. SEE A800 SERIES FOR NEW TERRAZZO.
- 35. REMOVE EXISTING COLUMN ENCLOSURE.
- 36. REMOVE SUSPENDED ACOUSTICAL CEILING TILES FROM GRID TO REMAIN.
- 37. DEMOLISH CERAMIC WALL TILE COMPLETELY. INCLUDING CAREFULLY REMOVING GYPSUM BOARD FROM METAL STUD CONSTRUCTION TO REMAIN.
- 38. DEMOLISH MECHANICAL EQUIPMENT COMPLETELY. SEE MECHANICAL.
- 39. REMOVE GLAZING FROM BOTTOM HALF OF STOREFRONT SYSTEM.
- 40. PROTECT EXISTING STRUCTURE TO REMAIN, TYP.
- 41. NOT USED.
- 42. DEMOLISH COAT HOOK SYSTEM COMPLETELY.
- 43. DEMOLISH EXISTING CURTAIN TRACKS.
- 44. DEMOLISH TECTUM PANELS AND WOOD TRIM COMPLETELY THIS ROOM.
- 45. DEMOLISH FRP WAINSCOT AND (WHERE IT EXISTS) WOOD CHAIR RAIL COMPLETELY.
- 46. REMOVE WALL GRAPHICS.
- 47. REMOVE CERAMIC TILE AND GYPSUM BOARD FOR INSTALLATION OF NEW MULTISTATION SINKS.
- 48. REMOVE COMPOSITION TILE.



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**PROJECT:**  
 MSD OF WARREN TOWNSHIP  
 ADDITIONS AND RENOVATIONS TO  
 EASTRIDGE ELEMENTARY  
 SCHOOL  
 10930 E 10TH ST., INDIANAPOLIS, IN. 46229

**SCOPE DRAWINGS:**  
 These drawings indicate the general scope of the project in terms of architectural design concepts. The architectural, mechanical and electrical systems shown are conceptual in nature and are not intended to be used as a basis for construction. On the basis of the general scope indicated on these drawings, the contractor shall furnish all items required for the proper execution and completion of the work.

**REVISIONS:**  
 2 ADDENDUM #2 ??-??-??

ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	LNF, NTC	CAM

**DRAWING TITLE:**  
 FIRST FLOOR  
 DEMOLITION  
 PLAN - UNIT B

**CERTIFIED BY:**  
 JAMES ROBERT CLARK  
 REGISTERED ARCHITECT  
 No. AR00900003  
 STATE OF INDIANA  
*JRC*

**DRAWING NUMBER:**  
 AD201B

**PROJECT NUMBER:**  
 2021055

**1 FIRST FLOOR - DEMO - UNIT B**  
 AD201B SCALE: 1/8" = 1'-0"



**GENERAL NOTES**

- A. COORDINATE THE WORK OF EACH TRADE WITH THE WORK OF OTHER TRADES.
- B. ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS AND STANDARDS INCLUDING, BUT NOT LIMITED TO THOSE LISTED ON THE COVER SHEET. ALL APPLICABLE RULES & REGULATIONS ARE TO BE THE MOST CURRENT ADOPTED EDITIONS.
- C. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
- D. ALL DIMENSIONS ARE FROM CENTERLINE OF STRUCTURE, FINISH FACE OF WALL, FACE OF MASONRY, OR FACE OF EXISTING.
- E. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
- F. REFER TO WALL TYPE SCHEDULE, SHEET A201, TO DETERMINE WHICH WALLS EXTEND TO DECK. SEE STRUCTURAL FOR TOP SUPPORT DETAIL. WHERE METAL STUDS EXTEND TO DECK, PROVIDE SLIP CONNECTIONS FOR ROOF/FLOOR DEFLECTION.
- G. ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER LIMIT HEIGHT (L240).
- H. WHERE INSULATED OR SOUND WALLS EXTEND TO DECK, FILL DECK FLUTES WITH INSULATION SOUND ATTENUATION.
- I. REFER TO PLUMBING PLANS FOR LOCATION OF FLOOR DRAINS.
- J. WHERE ACCESS PANELS ARE SHOWN IN TOILET ROOM CHASES, FINAL LOCATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.
- K. ALL CONCRETE MASONRY UNITS (CMU) SHALL BE LAID RUNNING BOND U.N.O. 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.
- L. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS TO ALLOW FOR DEFLECTION.
- M. THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2" MINIMUM (9-1/2 MIN.) HORIZONTAL.
- N. PROVIDE MISCELLANEOUS SUPPORT FOR ALL CEILING SUSPENDED ITEMS. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS, WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (E.G. A100-1). SEE A600 SERIES DRAWINGS FOR DOOR SCHEDULE AND DETAILS.
- O. ALL DOOR FRAMES SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO MASONRY WALLS UNLESS NOTED OTHERWISE.
- P. ALL GLASS AT INTERIOR DOOR FRAMES, DOOR LITES AND WINDOW FRAMES IS TO BE 1/4" CLEAR TEMPERED GLASS UNLESS NOTED OTHERWISE.
- Q. AT BUILDING EXPANSION JOINTS, ALL PARTITIONS, CEILINGS, FLOORS AND ALL WALL, FLOOR OR CEILING MOUNTED ITEMS SHALL BE ANCHORED TO THE BUILDING STRUCTURE ON ONLY ONE SIDE OF THE EXPANSION JOINTS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OR INSTALLATION OF ALL ITEMS NOTED TO ASSURE THAT NO SUCH ITEMS BRIDGE ACROSS THE EXPANSION JOINT.
- R. ALL SLAB-ON-GRADE CONTROL JOINTS TO BE CLEANED AND CAULKED PRIOR TO PLACEMENT OF FLOOR FINISH.
- S. SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAILS.
- T. REFER TO MECHANICAL DRAWINGS FOR WALL LOUVER LOCATIONS, SIZES AND QUANTITIES.
- V. SEE A600 SERIES DRAWINGS FOR FINISH SCHEDULE AND PLANS.
- W. SEE A600 SERIES DRAWINGS FOR EQUIPMENT SCHEDULE AND PLANS. PROVIDE BLOCKING IN STUD WALLS AND/OR GROUTED MASONRY CORES AS REQUIRED TO SUPPORT EQUIPMENT.
- X. PROVIDE FIRE RESISTANT TREATED WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
- Y. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR UNLESS NOTED OTHERWISE.
- Z. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (E.G. MASONRY TO GYPSUM WALL BOARD) UTILIZING THE APPROPRIATE TYPE PER SPECIFICATIONS. COLOR TO BE SELECTED BY ARCHITECT.
- AA. APPLY SEALANT AT ALL COUNTERTOPS AND BACKSPASHES AT JUNCTURE WITH WALL AND BETWEEN ALL DISSIMILAR MATERIALS. TYPICAL ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT.
- CC. BASE FLOOR ELEVATION INDICATED FOR THIS PROJECT IS 0'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- DD. WHERE DISSIMILAR MATERIALS MEET, ALL EXPOSED CUT EDGES SHALL BE TRIMMED TO ENSURE A SMALL, NEAT CALK JOINT. WHERE GYPSUM BOARD ADJACENT DOOR FRAMES, WINDOWS, OR CMU, EDGE SHALL BE TRIMMED WITH CONTINUOUS MOLD. TACKLE MATERIAL SHALL BE TRIMMED WITH ALUMINUM J-CHANNEL.
- EE. FINAL ROOM NUMBERS FOR ROOM SIGNAGE, SYSTEMS, AND EQUIPMENT TAGGING SHALL BE VERIFIED WITH THE OWNER. NUMBERS SHOWN ON CONSTRUCTION DOCUMENTS ARE NOT FINAL.
- FF. ALL OUTSIDE CORNERS OF CMU WALL CONSTRUCTION TO BE BULLNOSED BLOCK.

**KEYED PLAN NOTES**

- 1. ALIGN FINISH FACES.
- 2. 2" BUILDING EXPANSION JOINT WITH EXPANSION JOINT COVER WHERE EXPOSED IN THE FINISH WORK.
- 3. PATCH EXISTING TERRAZZO AS REQUIRED. REFER TO A800 SERIES DRAWINGS.
- 4. NEW LINTEL - REFER TO STRUCTURAL DRAWINGS AND SCHEDULES.
- 5. NEW LADDER WITH HATCH ABOVE - VERIFY LOCATION WITH MEP AND STRUCTURAL.
- 6. ROOF CONDUCTOR - REFER TO PLUMBING DRAWINGS.
- 7. PATCH AND REPAIR LVT. FLOORING AS REQUIRED.
- 8. INFILL AND TOOTH IN NEW BRICK AT DEMOLISHED WINDOW TO MATCH EXISTING ADJACENT CONSTRUCTION.
- 9. PATCH AND REPAIR WALL CONSTRUCTION WITH INFILL TO MATCH EXISTING ADJACENT, AND TO RECEIVE NEW FINISHES.
- 10. MOTORIZED RETRACTABLE BLEACHERS WITH PLASTIC SEATS TO SEAT 500 MINIMUM.
- 11. PROVIDE BRASS SLEEVE INSERT CAST INTO FLOOR FOR VOLLEYBALL STANDARDS - SEE SPECIALTY EQUIPMENT.
- 12. 6" ALUMINUM STOREFRONT SYSTEM WITH INTEGRAL ALUMINUM SILL.
- 13. NEW ARCHITECTURAL LOUVER 2'-4" X 5'-4" CUSTOM COLOR SEE SPECIFICATION.
- 14. CHAIR LIFT WITH RECESSED CONCRETE SLAB AREA AS REQUIRED.
- 15. EXISTING EXPANSION JOINT.
- 16. LINE OF BULKHEAD ABOVE.
- 17. SHIPS LADDER.
- 18. MECHANICAL MEZZANINE ABOVE.
- 19. NEW DRINKING FOUNTAINS - SEE PLUMBING DRAWINGS.
- 20. VERIFY HEIGHT OF SUPPORT BEAM WITH STRUCTURAL.
- 21. LINE OF OVERHANG ABOVE.
- 22. MECHANICAL RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS.
- 23. PATCH AND REPAIR WALL CONSTRUCTION TO RETURN TO LIKE NEW CONDITION WITH TILE BACKER BOARD AND CERAMIC TILE. REFER TO A800 SERIES.
- 24. FURR OUT EXISTING WALL AS REQUIRED TO BE FLUSH WITH ADJACENT WALL.
- 25. PROVIDE SHEET METAL CAP AT CHASE.
- 26. DOORS TO RECEIVE PANO HARDWARE - SEE SPECIFICATION - DOOR HARDWARE FOR HARDWARE SETS REQUIRED.
- 27. J-MOULD.
- 28. VITRIFY EXISTING TERRAZZO FLOOR.
- 29. NEW CAMERA MONITORING TIME-OUT ROOM DOOR - SEE ELECTRICAL.
- 30. GFRG COLUMN ENCLOSURE.
- 31. NEW MULTISTATION SINKS - SEE PLUMBING DRAWINGS.
- 32. WALL PADDING SYSTEM FULL HEIGHT OF ROOM AND DOOR AND FRAME.
- 33. NEW SOLID SURFACE COUNTERTOP ON EXISTING BASE CABINETS.
- 34. LOWER LITES TO BE REPLACED WITH SPANDREL PANELS.
- 35. 4" CONTINUOUS POURED CONCRETE CURB WITH WATER STOP ENTIRE PERIMETER OF MECHANICAL INTERSTITIAL SPACE.
- 36. PATCH AND REPAIR WALL CONSTRUCTION TO RETURN TO LIKE NEW CONDITION.
- 37. EXISTING GLAZING IN ALUMINUM STOREFRONT DOORS AND FRAMES AND ALL SIDELIGHTS TO BE REPLACED WITH TYPE SCHOOL GUARD GLASS AS INDICATED TO 7'-0" A.F.F. MINIMUM.
- 38. CYCLORAM CURTAIN.
- 39. DELAYED EGRESS ALARMED DOORS (SEE A501).
- 40. NEW SOLID SURFACE WINDOW STOOL (TYPICAL AT NEW WINDOWS).
- 41. COORDINATE SIZE OF POCKET WITH OPERABLE PANEL PARTITION MANUFACTURER. VERIFY HEIGHT OF SUPPORT BEAM WITH STRUCTURAL.
- 42. BRICK TO MATCH TYPE, COLOR, BOND, AND PATTERN OF BRICK AT EXTERIOR OF BUILDING.
- 43. PATCH AND REPAIR EXISTING CONCRETE SLABS WHERE WALLS HAVE BEEN DEMOLISHED.
- 44. NEW EPOXY TERRAZZO ON EXISTING CONCRETE SLAB GROUND DOWN 3/8". COORDINATE HEIGHT AS REQUIRED TO CREATE FLUSH FINISH TRANSITION BETWEEN EXISTING AND NEW.
- 45. BULLNOSED CMU.
- 46. NEW EPOXY TERRAZZO ON NEW CONCRETE FLOOR SLAB. COORDINATE HEIGHT AS REQUIRED TO CREATE FLUSH FINISH TRANSITION BETWEEN EXISTING AND NEW.
- 47. PROVIDE SMOOTH CLOSURE TRIM AT COLUMN TO ENSURE THAT ACCORDION PARTITION FINISH IS NOT DAMAGED BY COLUMN CORNERS.
- 48. INFILL AND TOOTH IN NEW BRICK AT DEMOLISHED LOUVER TO MATCH EXISTING ADJACENT CONSTRUCTION.
- 49. PATCH AND REPAIR EXISTING WOOD CHAIR RAIL WITH SALVAGED MATERIAL AS REQUIRED.



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**PROJECT:**  
**MSD OF WARREN TOWNSHIP**  
**ADDITIONS AND RENOVATIONS TO**  
**EASTRIDGE ELEMENTARY**  
**SCHOOL**  
 10930 E 10TH ST., INDIANAPOLIS, IN, 46229

**SCOPE DRAWINGS:**  
 These drawings indicate the general scope of the project in terms of architectural design concepts, the structural of mechanical, electrical and plumbing systems.  
 The drawings do not necessarily indicate or describe all requirements of the Contract.  
 On the basis of the general scope indicated on these drawings, the trade contractors shall furnish all items required for the proper execution and completion of the work.

**REVISIONS:**  
 2 ADDENDUM #2 ??-??-??

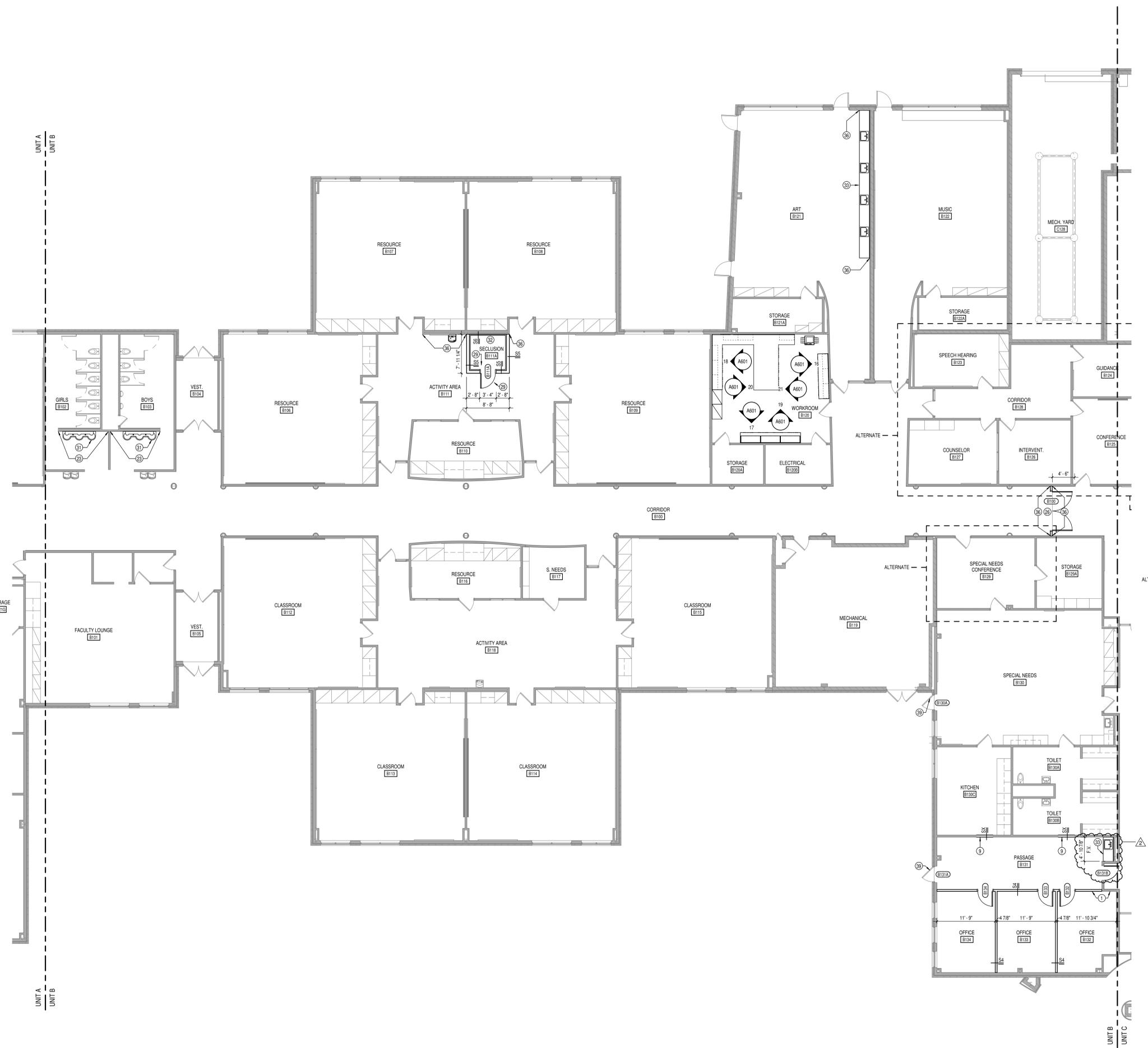
ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	LNF, NTC	CAM

**DRAWING TITLE:**  
**FIRST FLOOR**  
**PLAN - UNIT B**

**CERTIFIED BY:**  
 JAMES ROBERT CLARK  
 No. AR09000003  
 STATE OF INDIANA  
 ARCHITECT

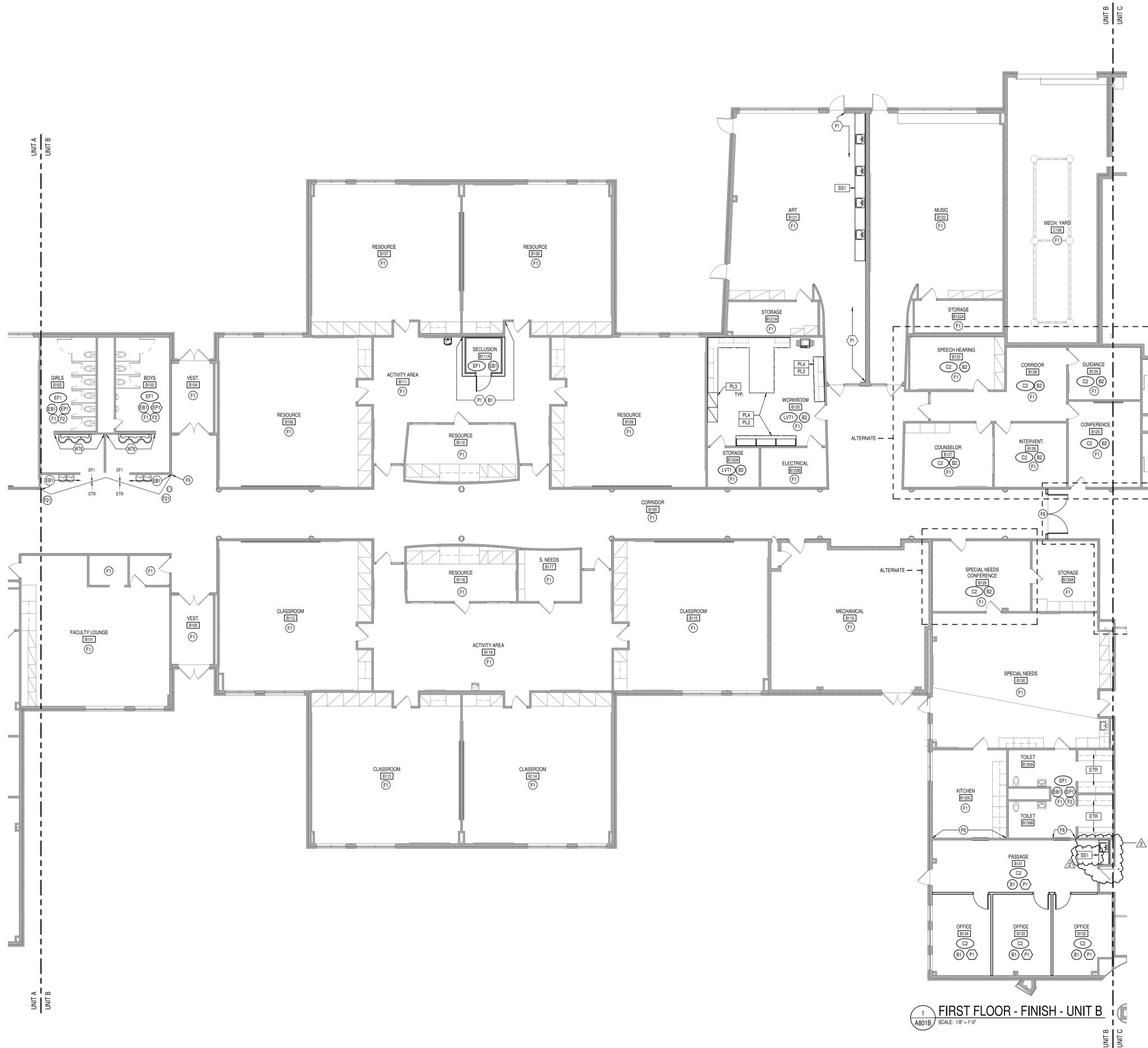
**DRAWING NUMBER**  
**A201B**

**PROJECT NUMBER**  
 2021055



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





1 FIRST FLOOR - FINISH - UNIT B  
SCALE: 1/8" = 1'-0"

**GENERAL FINISH NOTES**

- ANY DISCREPANCIES WITHIN THE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF CSO ARCHITECTS PRIOR TO INSTALLATION. THESE DOCUMENTS WILL GOVERN OVER PREVIOUS SUPPLEMENTAL DRAWINGS.
- THE SCHEDULED MATERIALS SHALL NOT BE INSTALLED BEFORE THE CONTRACTORS ACTUAL COLOR SUBMITTALS HAVE BEEN APPROVED. AS CALLED FOR IN THE SPECIFICATIONS, IF ANY MATERIAL IS INSTALLED BEFORE APPROVAL, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL EPOCHICUS SPECIFICATIONS.
- ALL SURFACES RECEIVING FINISHES SHALL BE PROPERLY PREPARED PER MANUFACTURERS SPECIFICATIONS PRIOR TO INSTALLATION.
- WHERE DEMOLITION OCCURS, SURFACE IS TO BE PROPERLY PATCHED AND REPAIRED TO MATCH SURROUNDING SURFACES BEFORE FINISH IS APPLIED.
- CONTRACTOR RESPONSIBLE FOR PROTECTING ALL FINISHES EXISTING TO REMAIN DURING CONSTRUCTION PROCESS. ALL SURFACES TO REMAIN SHALL BE PROPERLY CLEANED.
- FOR CHANGE IN FLOOR FINISH MATERIAL, PROVIDE TRANSITION STRIP AT DOOR U.O. ALL TRANSITIONS TO BE MINIMUM WIDTH POSSIBLE TO MEET CODE. G.C. IS TO SUBMIT COLOR SAMPLES OF RUBBER TRANSITION STRIPS TO ARCHITECT/DESIGNER FOR APPROVAL AND SELECTION OF COLOR.
- WHEN FLOOR FINISHES TRANSITION AT DOOR OPENING THE TRANSITION IS TO BE ON CENTER OF THE DOOR U.O.
- DIRECTIONAL ARROWS ON PLAN INDICATE DIRECTION OF FLOORING INSTALL.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL FLOOR AND TILE PATTERNS PRIOR TO INSTALLATION FOR ARCHITECT/DESIGNER APPROVAL.
- SEE INTERIOR PAINT SPECIFICATIONS FOR SCHEDULE OF COATING TYPE PER SUBSTRATE.
- PANT WALLS BEFORE INSTALLING MARKER BOARDS, TACKBOARDS, OR OTHER WALL MOUNTED EQUIPMENT.
- ALL OUTSIDE GYPSUM BOARD CORNERS ARE TO RECEIVE SURFACE MOUNTED CORNER GUARDS AND EXTEND FROM TOP OF WALL BASE TO 7'-0" A.F.F. UNLESS OTHERWISE NOTED. COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL WALL MOUNTED GRILLES, METAL PANELS, MISC. METALS, ETC. ARE TO BE PAINTED TO MATCH THE ADJACENT WALL FINISH U.O.
- ALL INTERIOR HOLLOW METALS DOORS & FRAMES IN SCOPE ARE TO BE PAINTED TO MATCH THE ADJACENT WALL PAINT OR P1. ALL NEW EXTERIOR HOLLOW METAL DOORS ARE TO BE PAINTED TO MATCH EXISTING HOLLOW METAL DOORS.
- WHERE WALL TILE OCCURS, ALL OUTSIDE CORNERS OR VERTICAL EDGE OF WALL ARE TO BE TRIMMED WITH SCHLUTER QUADRO IN BRUSHED STAINLESS STEEL FINISH. SCHLUTER JOPLY TRIM IN BRUSHED STAINLESS STEEL FINISH TO BE UTILIZED AT BOTTOM OF TILE AND TOP OF BASE.
- WALL TILE TO BE STACK BOND INSTALLATION. FULL TILE START ON CENTER OF EACH WALL.
- WALL TILE TO BE INSTALLED WITH THE MINIMUM RECOMMENDED GROUT THICKNESS PER TILE MANUFACTURER. GROUT COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL GWB CEILINGS TO BE PAINTED P3. CEILING BRIGHT WHITE. U.O. FACE OF SCOFFITS/BULKHEADS TO BE PAINTED TO MATCH ADJACENT WALLS. U.O.
- ALL EXPOSED CEILINGS AND DECKS TO BE PAINTED P3. CEILING BRIGHT WHITE. U.O. SEE SPECS FOR ADDITIONAL INFORMATION.
- ALL COLUMNS TO BE PAINTED TO MATCH ADJACENT WALLS. U.O.
- ALL MARKERBOARDS TO BE LOW GLOSS WHITE.
- OPERABLE PARTITION FINISH TO BE SELECTED FROM MFR'S FULL RANGE.
- CUBICLE CURTAINS TO BE SELECTED FROM MFR'S FULL RANGE.
- WHERE EPOXY RESINOUS FLOORING OCCURS, COORDINATING EPOXY BASE TO EXTEND UP TOE OF CASEWORK WHERE APPLICABLE.
- WALL PADDING COLOR TO BE P2 OR SELECTED FROM MANUFACTURERS FULL RANGE.
- FRP PANELS TO BE INSTALLED TO MEET CODE AT ALL CUSTODIAL SINK LOCATIONS. LENGTH AS NECESSARY. MIN OF 2" BEYOND EXTENTS OF SINKS. FRP TO START AT TOP OF BASE AND RUN FULL PANEL WIDTH (4'-0"). COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL NEW WINDOW STOOLS ARE TO BE S2.
- GYM PADDING AND EQUIPMENT COLORS TO BE SELECTED FROM MANUFACTURERS FULL RANGE.
- ACOUSTICAL STAGE CURTAIN TO BE SELECTED FROM MANUFACTURERS FULL RANGE.

**KEYED FINISH PLAN NOTES**

- F1 NO WORK THIS AREA, UNLESS NOTED OTHERWISE
- F2 PAINT EP1 ABOVE EXISTING TILE
- F3 EXPOSED STRUCTURE AND DECK TO BE PAINTED WHITE P3
- F4 EXPOSED STRUCTURE AND DECK TO BE PAINTED BLACK P4
- F5 ALIGN FLOOR TRANSITION WITH WALL, CASEWORK, OR AS INDICATED ON PLAN.
- F6 NEW WALL OR WALL PATCH TO MATCH EXISTING ADJACENT WALL. WALL MATCH TO INCLUDE PAINT COLOR, QUALITY AND FINISH AND BASE TO MATCH STYLE, HEIGHT, AND COLOR. WHERE APPLICABLE PATCH WALL TILE. WALL TILE PATCH TO MATCH STYLE, COLOR, SIZE, AND GROUT. TAKE WALL TILE PATCH BACK TO NEAREST FULL TILE AND CONTINUE PATCH TO NEAREST INSIDE OR OUTSIDE CORNER.
- F7 DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 23A01.
- F8 EXISTING TERRAZZO FLOOR TO GO THROUGH A COMPLETE ROUGH GRIND PROCESS, REMOVING STAINS AS POSSIBLE, AND VITRIFICATION. ONCE ROUGH GRIND IS COMPLETE, POLISH WITH A 120 GRIT DIAMOND, NEXT A 200 GRIT, 400 GRIT DIAMOND AND FINALLY AN 800 GRIT DIAMOND BEFORE THE VITRIFICATION PROCESS.
- F9 TARKETT/JOHNSONITE SLIM LINE NOSING ON EDGE. SUBMITTAL OF EDGE CONDITION REQUIRED FOR REVIEW
- F10 OPERABLE PARTITION TO HAVE MARKERBOARD FINISH.
- F11 TYPICAL GIRLS RESTROOM TILE PATTERN. SEE ELEVATION 1A00
- F12 TYPICAL BOYS RESTROOM TILE PATTERN. SEE ELEVATION 2A00
- F13 TYPICAL UNISEX RESTROOM TILE PATTERN. SEE ELEVATION 4B00.
- F14 ATHLETIC FLOORING TO RECEIVE THREE COLORS OF COURT STRIPES. SEE SPECS FOR MORE INFORMATION.
- F15 CENTER COURT TO RECEIVE 12'-0" TEN COLOR LOGO. SEE 4A702 FOR DETAILS.
- F16 FULL HEIGHT WALL TILE. SEE ELEVATION 5A00.
- F17 CORRIDOR WALLS TO RECEIVE FOUR FULL COURSES OF PORCELAIN TILE (WT1) FROM TOP OF BASE. TACK STRIP TO BE INSTALLED AT TOP OF TILE. TACK INSERT COLOR TO BE T3.
- F18 LVT IN FRONT OF SINKS TO BE INSTALLED WITH EPOXY ADHESIVE. AREA TO EXTEND 4'-0" W/ FROM CENTER OF SINK AND EXTEND 2'-6" FROM FRONT EDGE OF CABINETS.
- F19 BROADLOOM CARPET TO BE INSTALLED ON RISE, RUN, AND SIDES OF STEPS.
- F20 TERRAZZO PATCH WHERE WALL AND FLOOR DEMO TAKES PLACE AND AS INDICATED. EXTEND PATCH BACK TO NEAREST DIVIDER STRIP. GRIND EXISTING CONCRETE SLABS AS NEEDED TO PREP FOR TERRAZZO PATCHING. TERRAZZO PATCH TO MATCH EXISTING ADJACENT TERRAZZO. MATCH COMPLETE THE EPOXY FORMULA BASE, AGGREGATES, AND VITRIFICATION, AS WELL AS THE EPOXY DIVIDER STRIPS AND LAYOUT. A SUBMITTAL OF EACH TERRAZZO MIX BENS PATCHED TO BE PROVIDED FOR MATCH REVIEW ON SITE.
- F21 VCT PATCH AS REQUIRED. PATCH WITH ATTC STOCK OR NEW MATERIAL TO MATCH EXISTING COLORS AND PATTERNS. SUBMITTAL OF NEW MATERIAL TO BE REVIEWED ON SITE FOR APPROVAL.
- F22 GROUP SINK TILE PATTERN. SEE ELEVATION 3A00
- F23 DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 6A01 - 7A02.
- F24 EP2 TO EXTEND FROM FINISH FLOOR TO 15 FULL COURSES. EP1 FROM THAT POINT TO BOTTOM OF DECK. PAINT TRANSITION TO BE A CLEAN, TAPED, LEVEL LINE.
- F25 AT SHIP'S LADDER ENCLOSURE AND INTERSTITIAL MECHANICAL AREA (B110) ABOVE. PROVIDE SEALED CONCRETE FLOORS, BASE B1, AND PAINT EP1 AT ALL WALLS. PAINT ALL EXPOSED ROOF DECK DRYFALL TYPE PAINT WHITE.



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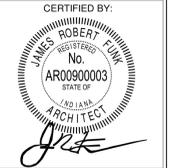
PROJECT: **MSD OF WARREN TOWNSHIP ADDITIONS AND RENOVATIONS TO EASTRIDGE ELEMENTARY SCHOOL**  
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

**SCOPE DRAWINGS:**  
These drawings indicate the general scope of the project. The drawings are not intended to be a contract. The drawings are not intended to be a contract. The drawings are not intended to be a contract. The drawings are not intended to be a contract.

ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	MEB	JSK

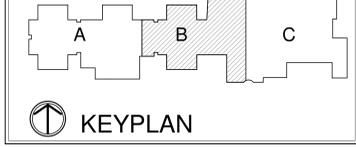
REVISIONS:	DATE	DESCRIPTION
1	ADDENDUM #1	10-14-22
2	ADDENDUM #2	??-??-??

DRAWING TITLE:  
**FIRST FLOOR FINISH PLAN - UNIT B**

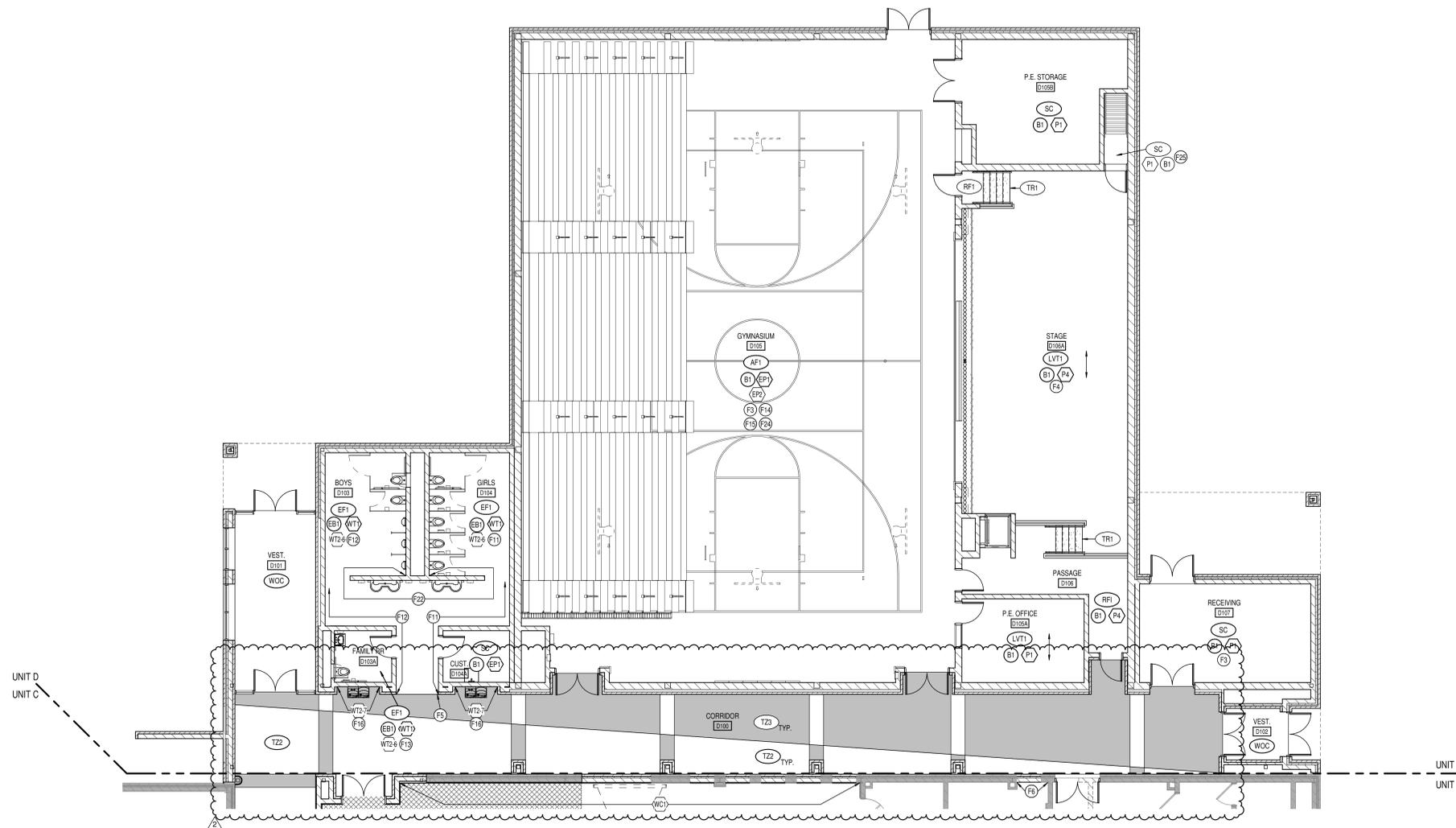


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**A801B**

PROJECT NUMBER  
**2021055**







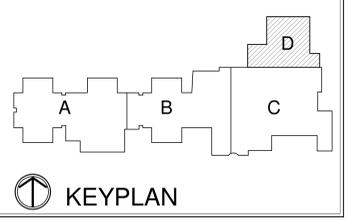
1 FIRST FLOOR - FINISH - UNIT D  
A801D SCALE: 1/8" = 1'-0"

**GENERAL FINISH NOTES**

- ANY DISCREPANCIES WITHIN THE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF CSO ARCHITECTS PRIOR TO INSTALLATION. THESE DOCUMENTS WILL GOVERN OVER PREVIOUS SUPPLEMENTAL DRAWINGS.
- THE SCHEDULED MATERIALS SHALL NOT BE INSTALLED BEFORE THE CONTRACTORS ACTUAL COLOR SUBMITTALS HAVE BEEN APPROVED. AS CALLED FOR IN THE SPECIFICATIONS, IF ANY MATERIAL IS INSTALLED BEFORE APPROVAL, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DEFECTIVE SPECIFICATIONS.
- ALL SURFACES RECEIVING FINISHES SHALL BE PROPERLY PREPARED PER MANUFACTURERS SPECIFICATIONS PRIOR TO INSTALLATION.
- WHERE DEMOLITION OCCURS, SURFACE IS TO BE PROPERLY PATCHED AND REPAIRED TO MATCH SURROUNDING SURFACES BEFORE FINISH IS APPLIED.
- CONTRACTOR RESPONSIBLE FOR PROTECTING ALL FINISHES EXISTING TO REMAIN DURING CONSTRUCTION PROCESS. ALL SURFACES TO REMAIN SHALL BE PROPERLY CLEANED.
- FOR CHANGE IN FLOOR FINISH MATERIAL, PROVIDE TRANSITION STRIP AT DOOR U.O. ALL TRANSITIONS TO BE MINIMUM WIDTH POSSIBLE TO MEET CODE. G.C. IS TO SUBMIT COLOR SAMPLES OF RUBBER TRANSITION STRIPS TO ARCHITECT/DESIGNER FOR APPROVAL AND SELECTION OF COLOR.
- WHEN FLOOR FINISHES TRANSITION AT DOOR OPENING THE TRANSITION IS TO BE ON CENTER OF THE DOOR U.O.
- DIRECTIONAL ARROWS ON PLAN INDICATE DIRECTION OF FLOORING INSTALL.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL FLOOR AND TILE PATTERNS PRIOR TO INSTALLATION FOR ARCHITECT/DESIGNER APPROVAL.
- SEE INTERIOR PAINT SPECIFICATIONS FOR SCHEDULE OF COATING TYPE PER SUBSTRATE.
- PAINT WALLS BEFORE INSTALLING MARKER BOARDS, TACKBOARDS, OR OTHER WALL MOUNTED EQUIPMENT.
- ALL OUTSIDE GYPSUM BOARD CORNERS ARE TO RECEIVE SURFACE MOUNTED CORNER GUARDS AND EXTEND FROM TOP OF WALL BASE TO 7'-0" A.F.F. UNLESS OTHERWISE NOTED. COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL WALL MOUNTED GRILLES, METAL PANELS, MISC. METALS, ETC. ARE TO BE PAINTED TO MATCH THE ADJACENT WALL FINISH U.O.
- ALL INTERIOR HOLLOW METALS DOORS & FRAMES IN SCOPE ARE TO BE PAINTED TO MATCH THE ADJACENT WALL PAINT OR P1. ALL NEW EXTERIOR HOLLOW METAL DOORS ARE TO BE PAINTED TO MATCH EXISTING HOLLOW METAL DOORS.
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- WALL TILE TO BE STACK BOND INSTALLATION. FULL TILE START ON CENTER OF EACH WALL.
- WALL TILE TO BE INSTALLED WITH THE MINIMUM RECOMMENDED GROUT THICKNESS PER TILE MANUFACTURER. GROUT COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL GWB CEILINGS TO BE PAINTED P3, CEILING BRIGHT WHITE, U.O. FACE OF SOFFITS/BULKHEADS TO BE PAINTED TO MATCH ADJACENT WALLS, U.O.
- ALL EXPOSED CEILINGS AND DECKS TO BE PAINTED P3, CEILING BRIGHT WHITE, U.O. SEE SPECS FOR ADDITIONAL INFORMATION.
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- CUBICLE CURTAINS TO BE SELECTED FROM MFR'S FULL RANGE.
- WHERE EPOXY RESINOUS FLOORING OCCURS, COORDINATING EPOXY BASE TO EXTEND UP TOE OF CASEWORK WHERE APPLICABLE.
- WALL PADDING COLOR TO BE P2 OR SELECTED FROM MANUFACTURERS FULL RANGE.
- FRP PANELS TO BE INSTALLED TO MEET CODE AT ALL CUSTODIAL SINK LOCATIONS. LENGTH AS NECESSARY, MIN OF 2'-0" BEYOND EXTENTS OF SINKS. FRP TO START AT TOP OF BASE AND RUN FULL PANEL WIDTH (4'-0"). COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL NEW WINDOW STOOLS ARE TO BE S52.
- GYM PADDING AND EQUIPMENT COLORS TO BE SELECTED FROM MANUFACTURERS FULL RANGE.
- ACOUSTICAL STAGE CURTAIN TO BE SELECTED FROM MANUFACTURERS FULL RANGE.

**KEYED FINISH PLAN NOTES**

- NO WORK THIS AREA, UNLESS NOTED OTHERWISE
- PAINT EP1 ABOVE EXISTING TILE
- EXPOSED STRUCTURE AND DECK TO BE PAINTED WHITE P3
- EXPOSED STRUCTURE AND DECK TO BE PAINTED BLACK P4
- ALIGN FLOOR TRANSITION WITH WALL, CASEWORK, OR AS INDICATED ON PLAN.
- NEW WALL OR WALL PATCH TO MATCH EXISTING ADJACENT WALL. WALL MATCH TO INCLUDE PAINT COLOR, QUALITY AND FINISH AND BASE TO MATCH STYLE, HEIGHT, AND COLOR. WHERE APPLICABLE PATCH WALL TILE. WALL TILE PATCH TO MATCH STYLE, COLOR, SIZE, AND GROUT. TAKE WALL TILE PATCH BACK TO NEAREST FULL TILE AND CONTINUE PATCH TO NEAREST INSIDE OR OUTSIDE CORNER.
- DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 23A801.
- EXISTING TERRAZZO FLOOR TO GO THROUGH A COMPLETE ROUGH GRIND PROCESS, REMOVING STAINS AS POSSIBLE, AND VITRIFICATION. ONCE ROUGH GRIND IS COMPLETE, POLISH WITH A 120 GRIT DIAMOND, NEXT A 200 GRIT, 400 GRIT DIAMOND AND FINALLY AN 800 GRIT DIAMOND BEFORE THE VITRIFICATION PROCESS.
- TARKETT JOHNSONITE SLIM LINE NOSING ON EDGE. SUBMITTAL OF EDGE CONDITION REQUIRED FOR REVIEW
- OPERABLE PARTITION TO HAVE MARKERBOARD FINISH.
- TYPICAL GIRLS RESTROOM TILE PATTERN. SEE ELEVATION 1A800
- TYPICAL BOYS RESTROOM TILE PATTERN. SEE ELEVATION 2A800
- TYPICAL UNISEX RESTROOM TILE PATTERN. SEE ELEVATION 4800.
- ATHLETIC FLOORING TO RECEIVE THREE COLORS OF COURT STRIPES. SEE SPECS FOR MORE INFORMATION.
- CENTER COURT TO RECEIVE 12'-0" TEN COLOR LOGO. SEE 4A702 FOR DETAILS.
- FULL HEIGHT WALL TILE. SEE ELEVATION 5A800.
- CORRIDOR WALLS TO RECEIVE FOUR FULL COURSES OF PORCELAIN TILE (WT1) FROM TOP OF BASE. TACK STRIP TO BE INSTALLED AT TOP OF TILE. TACK INSERT COLOR TO BE T81.
- LVT IN FRONT OF SINKS TO BE INSTALLED WITH EPOXY ADHESIVE. AREA TO EXTEND 4'-0" W/ (FROM CENTER OF SINK) AND EXTEND 2'-6" D FROM FRONT EDGE OF CABINETRY.
- BROADLOOM CARPET TO BE INSTALLED ON RISE, RUN, AND SIDES OF STEPS.
- TERRAZZO PATCH WHERE WALL AND FLOOR DEMO TAKES PLACE AND AS INDICATED. EXTEND PATCH BACK TO NEAREST DIVIDER STRIP. GRIND EXISTING CONCRETE SLABS AS NEEDED TO PREP FOR TERRAZZO PATCHING. TERRAZZO PATCH TO MATCH EXISTING ADJACENT TERRAZZO. MATCH COMPLETE THE EPOXY FOMULA BASE, AGGREGATES, AND VITRIFICATION, AS WELL AS THE EPOXY DIVIDER STRIPS AND LAYOUT. A SUBMITTAL OF EACH TERRAZZO MIX BEING PATCHED TO BE PROVIDED FOR MATCH REVIEW ON SITE.
- PATCH AS REQUIRED. PATCH WITH ATTC STOCK OR NEW MATERIAL TO MATCH EXISTING COLORS AND PATTERNS. SUBMITTAL OF NEW MATERIAL TO BE REVIEWED ON SITE FOR APPROVAL.
- GROUP SINK TILE PATTERN. SEE ELEVATION 3A800
- DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 8A801 - 7A802
- EP2 TO EXTEND FROM FINISH FLOOR TO 15 FULL COURSES, EP1 FROM THAT POINT TO BOTTOM OF DECK. PAINT TRANSITION TO BE A CLEAN, TAPED, LEVEL LINE.
- AT SHIP'S LADDER ENCLOSURE AND INTERSTITIAL MECHANICAL AREA (D110) ABOVE, PROVIDE SEALED CONCRETE FLOORS, BASE B1, AND PAINT EP1 AT ALL WALLS. PAINT ALL EXPOSED ROOF DECK DRYFALL TYPE PAINT WHITE.



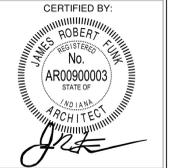
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PROJECT:  
**MSD OF WARREN TOWNSHIP  
ADDITIONS AND RENOVATIONS TO  
EASTRIDGE ELEMENTARY  
SCHOOL**  
10930 E 10TH ST., INDIANAPOLIS, IN, 46229

**SCOPE DRAWINGS:**  
These drawings indicate the general scope of the project. The drawings are not intended to be a contract. The drawings are not intended to be a contract. The drawings are not intended to be a contract. The drawings are not intended to be a contract.

ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	MEB	JSK

DRAWING TITLE:  
**FIRST FLOOR  
FINISH PLAN  
UNIT D**



DRAWING NUMBER  
**A801D**

PROJECT NUMBER  
**2021055**

Addendum #2

To: All Bidders of Record

This addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and Drawings. This addendum is issued in accordance with the provision of "The General Conditions of the Contract for Construction, "Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. All Contractors shall incorporate into the contract documents and into their bid the following changes and clarifications to the drawings, specifications and scope of work.

Acknowledge receipt of this addendum in the location provided on the bid form.

Plumbing

*Specifications:*

Item 1. Section 21 13 15 FIRE PROTECTION;

1. Paragraph 1.03, B., ii., Add the following sentence, "Stages shall be equipped with Class III wet standpipe system with 1 ½" hose connection on each side of stage, per Indiana Building Code 905.3.4.

*Drawings:*

Item 1. Sheet PD201B First Floor Plumbing Demolition Unit B

1. Replace original with attached drawing.

Item 2. Sheet P201A First Floor Plumbing Plan Unit A

1. Replace original with attached drawing.

Item 3. Sheet P201B First Floor Plumbing Plan Unit B

1. Replace original with attached drawing.

Item 4. Sheet P201C First Floor Plumbing Plan Unit C

1. Replace original with attached drawing.

Item 5. Sheet P201D First Floor Plumbing Plan Unit D

1. Replace original with attached drawing.

Item 6. Sheet P301 Plumbing Schedules And Details

1. Replace original with attached drawing.

Mechanical

*Specifications:*

Item 1. Section 23 09 00 TEMPERATURE CONTROL AND ENERGY MANAGEMENT SYSTEM;

Paragraph 4.03 AIR HANDLING UNITS (New and Existing Equipment)

Add the following at the end of Paragraph A.

6. Existing valve bodies, dampers and actuators on existing units may remain and be reused.

Paragraph 4.05 TERMINAL BOX CONTROLS (New and Existing Equipment)

Add the following after Item 6.

7. Existing valve bodies, dampers and actuators on existing units may remain and be reused.
8. Provide sequenced fan control for Fan Powered Terminals.

Paragraph 4.06 RELIEF DAMPERS (New and Existing Equipment)

Add the following after Item A.

- B. Existing dampers and actuators on existing units may remain and be reused unless new control damper is indicated on drawings.

Paragraph 4.09 UNIT HEATER AND CABINET HEATER CONTROL (New and Existing Equipment)

Add the following after Item A.

- B. Existing valve and actuators on existing units may remain and be reused.

Paragraph 4.10 CONVECTOR CONTROL (New and Existing Equipment)

Add the following after Item A.

- B. Existing damper and actuators on existing units may remain and be reused.

Paragraph 4.12 EXHAUST FANS – Automatic Temperature Control (New Equipment)

Delete entire paragraph.

*Drawings: N/A*

Electrical

*Specifications:*

Item 1. Specification 260533 Raceways

260533.3.02.C Replace with the following paragraph.

Conceal conduit and EMT (unless otherwise noted) with-in new finished walls, ceilings, floors and existing accessible walls. Existing walls that do not have access to the wall cavity shall utilize surface mounted Wiremold. For single device drops of line or low voltage Wiremold V700 shall be installed. For multiple device locations where a single drop from the ceiling is utilized and may contain both line and low voltage circuits then Wiremold AL330 shall be installed. Keep raceways at least 6 inches away from parallel runs or flues and steam or hot water pipes. Install raceways level and square and at proper elevations.

Item 2. Specification 271301 Communications Equipment Room Fittings

271301.2.02.A.1 Cabinet to be Mid Atlantic WRK in lieu of DWR indicated.

2713012.02.A.2 Delete "and/or wall mounted"

2021055  
Addition and Renovation  
Eastridge Elementary School  
MSD of Warren Township

*Drawings:*

Item 1. Sheet E302 ELECTRICAL Schedules and Details

Replace original with attached drawing.

Attachments:

Sheet PD201B First Floor Plumbing Demolition Unit B

Sheet P201A First Floor Plumbing Plan Unit A

Sheet P201B First Floor Plumbing Plan Unit B

Sheet P201C First Floor Plumbing Plan Unit C

Sheet P201D First Floor Plumbing Plan Unit D

Sheet P301 Plumbing Schedules and Details

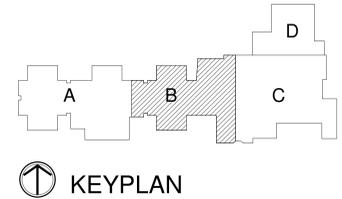
Sheet E302 ELECTRICAL Schedules and Details

**PLUMBING DEMOLITION NOTES**

- 1 REMOVE FIXTURE AND TRIM, ROUGH-IN'S AND PIPING COMPLETE.
- 2 REMOVE SANITARY PIPING TO BELOW FLOOR SLAB AND CAP. PATCH FLOOR TO MATCH EXISTING AND PREP FOR NEW FINISHES.
- 3 REMOVE FLOOR DRAIN AND CAP WASTE BELOW FLOOR. PATCH FLOOR TO MATCH EXISTING AND PREP FOR NEW FINISHES.
- 4 REMOVE EXISTING DOMESTIC WATER PIPING AS SHOWN.
- 5 REMOVE SANITARY VENT PIPING AS SHOWN.
- 6 REMOVE STORM PIPING AS SHOWN AND PREP FOR REROUTING. REFER TO NEW WORK.
- 7 REMOVE GAS PIPING AND PREP FOR REROUTING. REFER TO NEW WORK.
- 8 REMOVE GAS PIPING AND CAP AT MAIN.
- 9 EXISTING SANITARY TO BE REMOVED AND REROUTED.
- 10 REMOVE STORM PIPING COMPLETE.
- 11 EXISTING FLOOR CLEANOUT TO REMAIN.
- 12 EXISTING FIRE PROTECTION SPRINKLER HEADS TO BE REMOVED AND RELOCATED FOR NEW CEILING. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN. REFER TO NEW WORK.
- 13 REMOVE WALL HYDRANT AND CAP PIPING AT MAIN.
- 14 DASHED LINE INDICATES OUTLINE OF FLOOR CUTTING FOR REMOVAL AND REPLACEMENT OF SANITARY DRAINS.
- 15 REMOVE EXISTING CW, HW AND WASTE AND VENT PIPING COMPLETE. PREP FOR NEW ROUTING.
- 16 REMOVE EXISTING FIXTURES AND PREP FOR NEW. SEE NEW WORK.
- 17 REMOVE EXISTING CENTRAL VACUUM INLET AND CAP ABOVE CEILING.
- 18 REMOVE EXISTING HOT WATER PIPING AS SHOWN.
- 19 REMOVE ARTROOM SINK AND SOLIDS INTERCEPTOR. CLEAN AND PREP SINK FOR REINSTALLATION WITH NEW SOLIDS INTERCEPTOR & WASTE PIPING.
- 20 REMOVE SINK AND TRIM. CLEAN AND PREP SINK AND TRIM FOR REINSTALLATION INTO NEW CASEWORK WITH NEW WASTE PIPING.



FIRST FLOOR PLUMBING DEMOLITION  
 PLAN - UNIT B  
 1/8" = 1'-0"



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**STAIR-**  
 ASSOCIATES, INC.  
 MECHANICAL/ELECTRICAL ENGINEERS

PROJECT:  
**MSD OF WARRNE TOWNSHIP  
 EASTRIDGE ELEMENTARY SCHOOL  
 RENOVATION AND ADDITION**  
 10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:  
 These drawings indicate the general scope of the project in terms of architectural design concept, the structural, mechanical, electrical and plumbing systems.  
 The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.  
 On the basis of the general scope indicated on drawings, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:  
 2 ADDENDUM 2 10/21/2022

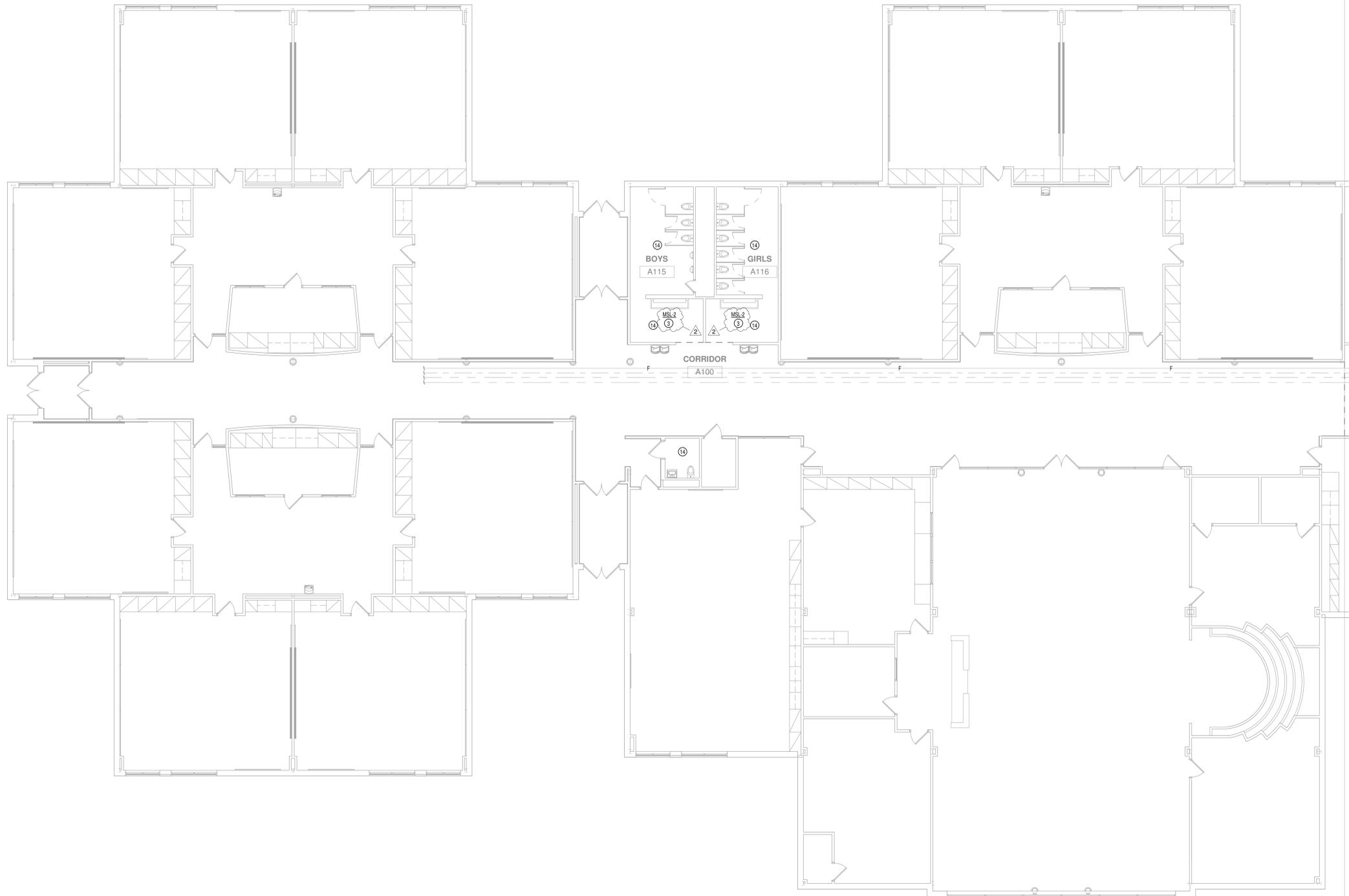
ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	GAB	WWH

DRAWING TITLE:  
**FIRST FLOOR  
 PLUMBING  
 DEMOLITION  
 PLAN - UNIT B**

CERTIFIED BY:  
  
 W. W. HESTER

DRAWING NUMBER  
**PD201B**

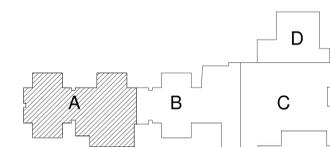
PROJECT NUMBER  
**2021055/1405**



**PLUMBING PLAN NOTES**

- 1 1" CW, 4" WASTE AND 2" VENT AT EACH WATER CLOSET.
- 2 3/4" CW, 2" WASTE AND 1 1/2" VENT AT EACH URINAL.
- 3 1/2" HW AND CW, 1 1/2" TRAP AND DRAIN ARM, 1 1/2" WASTE AND VENT AT EACH LAVATORY.
- 4 1/2" HW AND CW, 1 1/2" TRAP AND DRAIN ARM, 1 1/2" WASTE AND VENT AT EACH SINK. FOR SINKS WITH SOLIDS INTERCEPTORS, IN LIEU OF P-TRAP, EXTEND DRAIN ARM TO INTERCEPTOR, THEN TO WASTE PIPE.
- 5 1/2" CW, 1 1/2" TRAP AND DRAIN ARM, 1 1/2" WASTE AND VENT AT EACH WATER COOLER.
- 6 3/4" CW DN TO NON-FREEZE WALL HYDRANT AT 18" ABOVE FINISH GRADE.
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- 10 2" CW DOWN INTO CHASE. EXTEND FULL SIZE HEADER TO FIXTURES. PROVIDE WATER HAMMER ARRESTER PRIOR TO FINAL FLUSH VALVE FIXTURE. REFER TO PIPING DETAIL.
- 11 1 1/4" CW & 3/4" HW DOWN INTO CHASE. EXTEND FULL SIZE HEADER TO FIXTURES. PROVIDE WATER HAMMER ARRESTER PRIOR TO FINAL FLUSH VALVE FIXTURE. REFER TO PIPING DETAIL.
- 12 CAP PIPING BELOW SLAB AND PATCH FLOOR TO MATCH EXISTING.
- 13 PROVIDE WALL CLEANOUT AT BASE 18" A.F.F. WITH COVER.
- 14 PROVIDE NFPA 13 COVERAGE THROUGHOUT RENOVATED AREAS AND NEW ADDITION. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS. REFER TO FIRE PROTECTION PLANS.
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1 FIRST FLOOR PLUMBING PLAN - UNIT A  
1/8" = 1'-0"



KEYPLAN



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**STAIR-**  
MECHANICAL ELECTRICAL ENGINEERS

PROJECT:  
**MSD OF WARRNE TOWNSHIP  
EASTRIDGE ELEMENTARY SCHOOL  
RENOVATION AND ADDITION**  
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:  
These drawings indicate the general scope of the project. The contractor shall verify the accuracy of the drawings of structural, mechanical and electrical systems. The contractor shall be responsible for obtaining all permits and approvals required for the project and for coordinating with the appropriate authorities. On the basis of the general scope indicated on drawings, the contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:  
2 ADDENDUM 2 10/21/2022

ISSUE DATE DRAWN BY CHECKED BY  
09/19/22 GAB WWH

DRAWING TITLE:  
**FIRST FLOOR  
PLUMBING PLAN  
- UNIT A**

CERTIFIED BY:  
INDIANAPOLIS REGISTERED PROFESSIONAL ENGINEER  
No. PE60021458  
STATE OF INDIANA  
Professional Engineer  
*[Signature]*

DRAWING NUMBER  
**P201A**

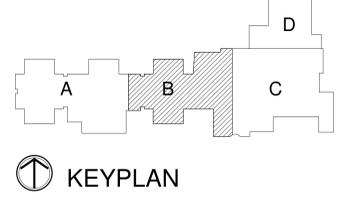
PROJECT NUMBER  
**2021055/1405**



**PLUMBING PLAN NOTES**

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- 26

1 FIRST FLOOR PLUMBING PLAN - UNIT B  
1/8" = 1'-0"



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**STAIR=**  
MECHANICAL ELECTRICAL ENGINEERS

PROJECT:  
**MSD OF WARRNE TOWNSHIP  
EASTRIDGE ELEMENTARY SCHOOL  
RENOVATION AND ADDITION**  
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:  
These drawings indicate the general scope of the project. The drawings are not intended to be a contract. The drawings of structural, mechanical and electrical systems shall be coordinated with the general scope and completion of the drawings of the other disciplines. On the basis of the general scope, indicate or describe the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:  
2 ADDENDUM 2 10/21/2022

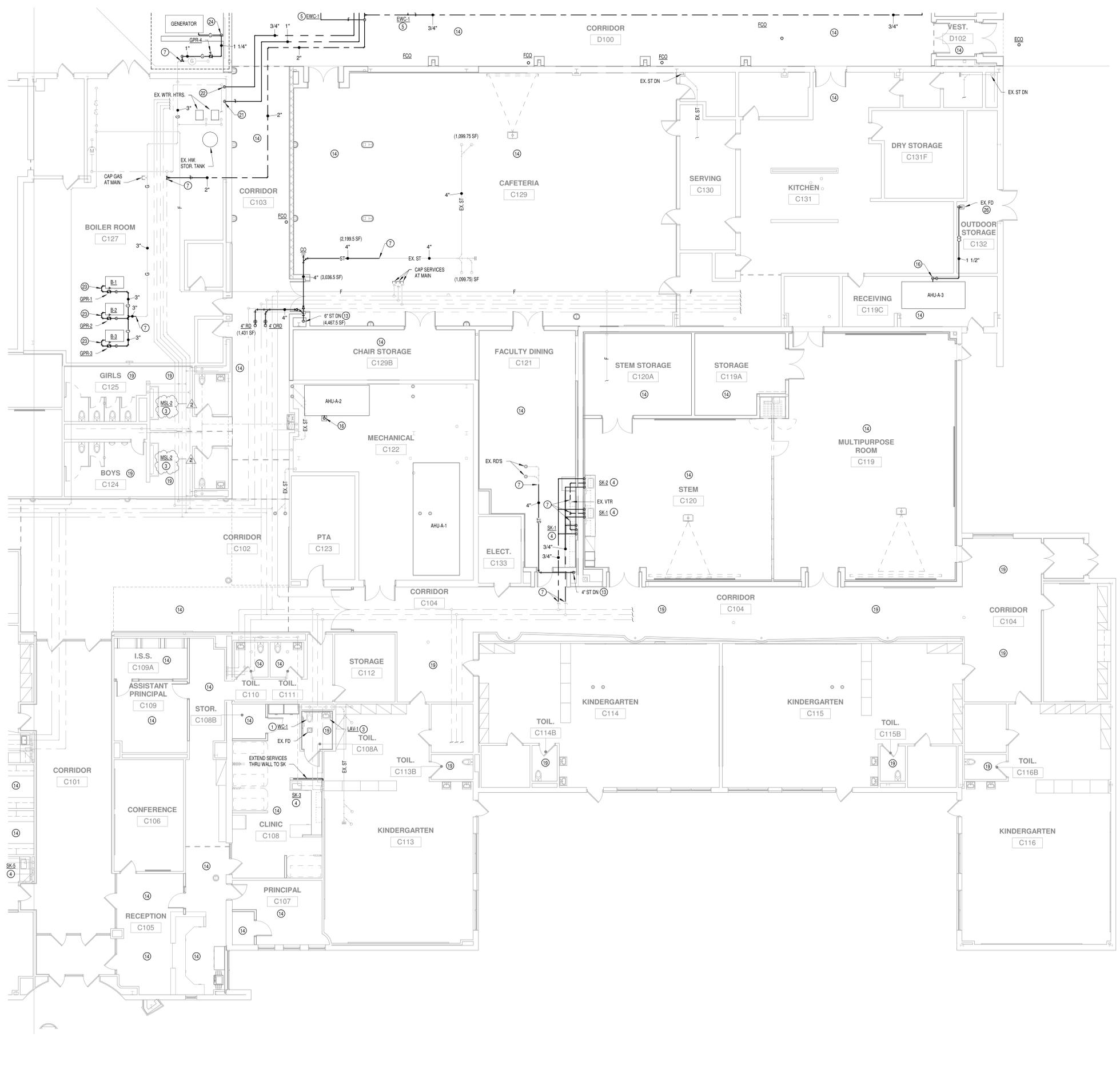
ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	GAB	WWH

DRAWING TITLE:  
**FIRST FLOOR  
PLUMBING PLAN  
- UNIT B**

CERTIFIED BY:  
INDIANAPOLIS, INDIANA  
REGISTERED PROFESSIONAL ENGINEER  
No. PE60021458  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DRAWING NUMBER  
**P201B**

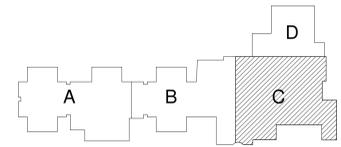
PROJECT NUMBER  
**2021055/1405**



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1 FIRST FLOOR PLUMBING PLAN - UNIT C  
1/8" = 1'-0"



KEYPLAN



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**STAIR=**  
MECHANICAL ELECTRICAL ENGINEERS

PROJECT:  
**MSD OF WARRNE TOWNSHIP  
EASTRIDGE ELEMENTARY SCHOOL  
RENOVATION AND ADDITION**  
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:  
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REVISIONS:  
2 ADDENDUM 2 10/21/2022

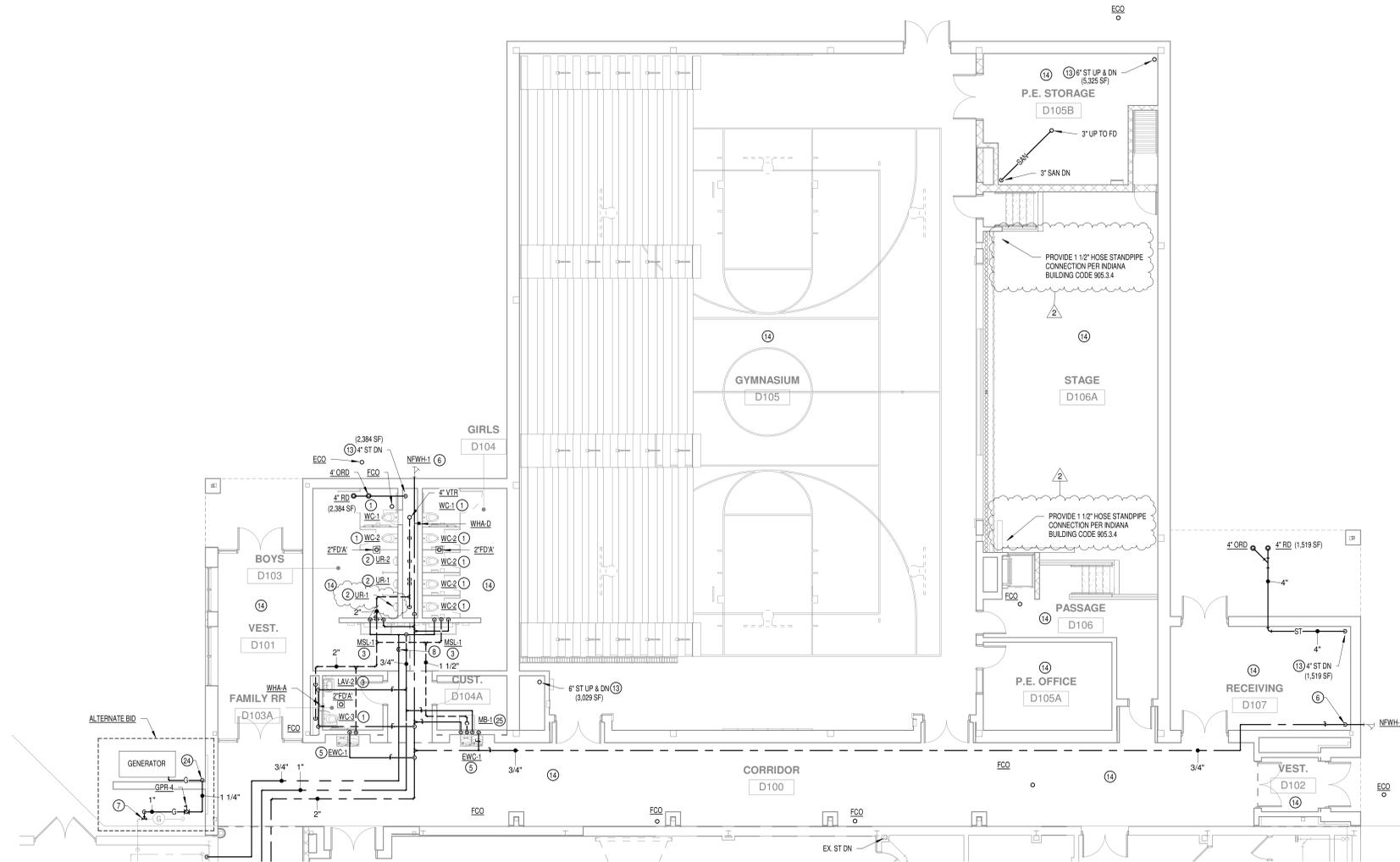
ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	GAB	WWH

DRAWING TITLE:  
**FIRST FLOOR  
PLUMBING PLAN  
- UNIT C**

CERTIFIED BY:  
INDIANAPOLIS, IN  
No. PE6002458  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DRAWING NUMBER  
**P201C**

PROJECT NUMBER  
**2021055/1405**



1 FIRST FLOOR PLUMBING PLAN - UNIT D  
1/8" = 1'-0"

**PLUMBING PLAN NOTES**

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**STAIR=**  
ASSOCIATES INC.  
MECHANICAL ELECTRICAL ENGINEERS

PROJECT:  
**MSD OF WARRNE TOWNSHIP  
EASTRIDGE ELEMENTARY SCHOOL  
RENOVATION AND ADDITION**  
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:  
These drawings indicate the general scope of the project. The contractor shall verify the accuracy of all dimensions and conditions of existing work. The contractor shall be responsible for obtaining all necessary permits and approvals. On the basis of the general scope indicated on drawings, the contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:  
2 ADDENDUM 2 10/21/2022

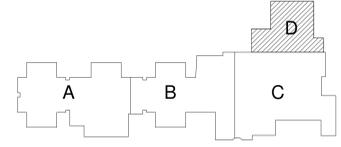
ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	GAB	WWH

DRAWING TITLE:  
**FIRST FLOOR  
PLUMBING PLAN  
- UNIT D**

CERTIFIED BY:  
INDIANAPOLIS, INDIANA  
REGISTERED PROFESSIONAL ENGINEER  
No. PE60021458  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
*[Signature]*

DRAWING NUMBER  
**P201D**

PROJECT NUMBER  
**2021055/1405**



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**STAIR-1**  
 MECHANICAL ELECTRICAL ENGINEERS

**PROJECT:**  
 MSD OF WARNE TOWNSHIP  
 EASTRIDGE ELEMENTARY SCHOOL  
 RENOVATION AND ADDITION  
 10930 E 10TH ST., INDIANAPOLIS, IN. 46229

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**REVISIONS:**  
 2 ADDENDUM 2 10/21/2022

**ISSUE DATE** 09/19/22 **DRAWN BY** GAB **CHECKED BY** WHW

**DRAWING TITLE:**  
**PLUMBING SCHEDULES AND DETAILS**

**CERTIFIED BY:**  
 MECHANICAL ENGINEER  
 No. PE60021458  
 STATE OF INDIANA  
 PROFESSIONAL SEAL

**DRAWING NUMBER:**  
**P301**

**PROJECT NUMBER:**  
 2021055/1405

**PLUMBING FIXTURE SCHEDULE:**

FIXTURE #	DESCRIPTION (ALL APPLICABLE BRASS; LOW LEAD)	FIXTURE CONNECTION				MOUNTING HEIGHT: SEE DETAILS	REMARKS
		HW	CW	WASTE	VENT		
WC-1	WATER CLOSET: AMERICAN STANDARD "AF WALL" #2257-103; VITREOUS CHINA, WALL HUNG, SIFON SET WITH ELONGATED BOWL. FLUSH VALVE: "SLOAN" 111-1.6-DFB-SVB, EXPOSED 1.6 GPF; 1-1/2" TOP SPUD, DUAL FILTERED BY-PASS DIAPHRAGM, SLEEVED VACUUM BREAKER, AND NON-HOLD-OPEN HANDLE TOWARD WIDE SIDE OF SPACE.	-	1"	4"	2"	SEE DETAIL	CHILD ADA FIXTURE
WC-2	WATER CLOSET: SAME AS WC-1, EXCEPT MOUNTING HEIGHT	-	1"	4"	2"	SEE DETAIL	STANDARD CHILD FIXTURE
WC-3	WATER CLOSET: SAME AS WC-1, EXCEPT MOUNTING HEIGHT	-	1"	4"	2"	SEE DETAIL	ADULT ADA HEIGHT FIXTURE
UR-1	URINAL: AMERICAN STANDARD "WASH-BROOK" #690-005, WALL HUNG, 14" ELONGATED WASHOUT RIM, 3/4" TOP SPUD, 1.5 GPF, EXTENDED SIZES, 30 PSI ± 40 PSI REQUIRED OPERATING PRESSURE. FLUSH VALVE: "SLOAN" MODEL #186-0.5-DFB-SVB, EXPOSED 0.5 GPF; 3/4" TOP SPUD, DUAL FILTERED BY-PASS DIAPHRAGM, SLEEVED VACUUM BREAKER, AND NON-HOLD-OPEN HANDLE.	-	3/4"	2"	1-1/2"	SEE DETAIL	CHILD ADA FIXTURE
UR-2	URINAL: SAME AS UR-1, EXCEPT MOUNTING HEIGHT	-	3/4"	2"	1-1/2"	SEE DETAIL	CHILD STANDARD FIXTURE
LAV-1	LAVATORY: AMERICAN STANDARD "LUCERNE" #0555-012; 20" X 18" VITREOUS CHINA, WALL HUNG, ADA COMPLIANT, CONCEALED ARM SUPPORT, INTEGRAL 4" BACKPLASH WITH SELF DRAINING SINKS AND SOAP DISHES, CENTERS TO MATCH TRIM. TRIM: ZURN #81000-XL-3M (LESS POP-UP HOLE), LOW LEAD CAST BRASS BODY, CERAMIC DISC CARTRIDGE, ADA COMPLIANT SINGLE LEVER HANDLE, 0.5 GPM LAMINAR FLOW OUTLET, 17 GA. CHROME PLATED CAST BRASS OFFSET TAILPIECE WITH P-TRAP, HEAVY PATTERN CHROME PLATED BRASS SUPPLY STOPS, TUBULAR INSULATION ON STOPS, SUPPLIES, AND WASTE ASSEMBLY. CARRIER: J. R. SMITH #7000-2 SERIES FOR BLOCK WALL (OR #7000 SERIES FOR CHASE) INSTALLATIONS, CONCEALED ARM, NARROW FOOT FLOOR SUPPORT SUITABLE FOR FIXTURE.	1/2"	1/2"	1-1/2"	1-1/2"	SEE DETAIL	CHILD ADA FIXTURE
LAV-2	LAVATORY: SAME AS LAV-1, EXCEPT MOUNTING HEIGHT	1/2"	1/2"	1-1/2"	1-1/2"	SEE DETAIL	ADULT ADA STANDARD FIXTURE
MSL-1	MULTI-STATION LAVATORY: BRADLEY "EXPRESS LAVATORY SYSTEM" M3 SERIES #MG-2/9 TMA: WALL HUNG TWO STATION MODULAR LAVATORY SYSTEM, STANDARD COLOR AS SELECTED BY ARCHITECT, INFRARED CONTROLLED, 110W/24VAC (PLUG-IN) TRANSFORMER, SOLENOID VALVES, THERMOSTATIC MIXING VALVE WITH CHECK STOPS, SUPPLIES STOPS, P-TRAP AND WASTE ASSEMBLY TO BE SAME AS LAV-1 (LESS INSULATION KIT).	1/2"	1/2"	1-1/2"	1-1/2"	31" FLOOR TO RIM	CHILD ADA FIXTURE
MSL-2	MULTI-STATION LAVATORY: BRADLEY "EXPRESS LAVATORY SYSTEM" M3 SERIES #MG-3/9 TMA: WALL HUNG THREE STATION MODULAR LAVATORY SYSTEM, STANDARD COLOR AS SELECTED BY ARCHITECT, INFRARED CONTROLLED, 110W/24VAC (PLUG-IN) TRANSFORMER, SOLENOID VALVES, THERMOSTATIC MIXING VALVE WITH CHECK STOPS, SUPPLIES STOPS, P-TRAP AND WASTE ASSEMBLY TO BE SAME AS LAV-1 (LESS INSULATION KIT).	1/2"	1/2"	1-1/2"	1-1/2"	31" FLOOR TO RIM	CHILD ADA FIXTURE
SK-1	SINK: ELKAY "LUSTERTONE" LR4221910; 22" X 19" X 19" DEEP OVERALL, SINGLE COMPARTMENT, 18 GA. TYPE 304 STAINLESS STEEL, SELF-RIMMING SINK WITH REAR OFF-SET DRAIN, STRAINER BASKET AND TAILPIECE. "M2" DRILLED (TWO HOLES); SPOUT IN LEFT HOLE (CENTER OF SINK) AND CONTROL IN RIGHT HOLE. TRIM: ZURN #Z82480-XL, SOLID CAST BRASS BODY WITH CHROME PLATED FINISH, SINGLE HOLE REQUIRED FOR EACH OF THE FOLLOWING COMPONENTS: SWING SPOUT, CONTROL WITH ADA COMPLIANT SINGLE LEVER HANDLE, 2.2 GPM LAMINAR FLOW SPOUT END, PROVIDE 17 GA. CHROME PLATED BRASS P-TRAP AND DRAIN ARM. PROVIDE HEAVY PATTERN CHROME PLATED BRASS SUPPLY STOPS.	1/2"	1/2"	1-1/2"	1-1/2"	IN COUNTERTOP	ADA - FRONT APPROACH (WHERE FRONT APRON IS PROVIDED)
SK-2	SINK: ELKAY "LUSTERTONE" LR4221910; 22" X 19" X 19" DEEP OVERALL, SINGLE COMPARTMENT, 18 GA. TYPE 304 STAINLESS STEEL, SELF-RIMMING SINK, "M2" DRILLED (TWO HOLES); SPOUT IN LEFT HOLE (CENTER OF SINK) AND CONTROL IN RIGHT HOLE, WITH STRAINER BASKET AND TAILPIECE. TRIM: ZURN #Z82480-XL, SOLID CAST BRASS BODY WITH CHROME PLATED FINISH, SINGLE HOLE REQUIRED FOR EACH OF THE FOLLOWING COMPONENTS: SWING SPOUT, CONTROL WITH SINGLE LEVER HANDLE, 2.2 GPM LAMINAR FLOW SPOUT END, PROVIDE 17 GA. CHROME PLATED BRASS P-TRAP AND DRAIN ARM. PROVIDE HEAVY PATTERN CHROME PLATED BRASS SUPPLY STOPS.	1/2"	1/2"	1-1/2"	1-1/2"	IN COUNTERTOP	STANDARD FIXTURE
SK-3	SINK: ELKAY "LUSTERTONE" LR4221915; 12" DEEP, 22" X 19" X 19" OVERALL, SINGLE COMPARTMENT, 18 GA. TYPE 304 STAINLESS STEEL, SELF-RIMMING SINK "M3" DRILLED (THREE HOLES) 6" CENTERS, ADA COMPLIANT WITH REAR OFF-SET DRAIN, STRAINER BASKET AND TAILPIECE. TRIM: ZURN #Z83184-XL, SOLID CAST BRASS BODY WITH CHROME PLATED FINISH, GOOSENECK SPOUT, WITH ADA COMPLIANT WHIST BLADE HANDLE, 2.2 GPM LAMINAR FLOW SPOUT END, PROVIDE CHROME PLATED OFFSET TAILPIECE WITH 17 GA. CHROME PLATED BRASS P-TRAP AND DRAIN ARM. PROVIDE HEAVY PATTERN CHROME PLATED BRASS SUPPLY STOPS.	1/2"	1/2"	1-1/2"	1-1/2"	IN COUNTERTOP	ADA - FRONT APPROACH (WHERE FRONT APRON IS PROVIDED)
SK-4	SINK (ADA): ELKAY "LUSTERTONE" LR42331955; 22" X 19" X 19" OVERALL, DOUBLE COMPARTMENT ADA COMPLIANT, 18 GA. TYPE 304 STAINLESS STEEL, SELF-RIMMING SINK, "M2" DRILLED (TWO HOLES DRILLED), SPOUT IN CENTER HOLE (CENTER OF SINK) AND CONTROL IN RIGHT HOLE, WITH REAR OFF-SET DRAIN, STRAINER BASKET AND TAILPIECE. TRIM: ZURN #Z82480-XL, SOLID CAST BRASS BODY WITH CHROME PLATED FINISH, SINGLE HOLE REQUIRED FOR EACH OF THE FOLLOWING COMPONENTS: SWING SPOUT, CONTROL WITH ADA COMPLIANT SINGLE LEVER HANDLE, 2.2 GPM LAMINAR FLOW SPOUT END, PROVIDE CHROME PLATED OFFSET TAILPIECE WITH 17 GA. CHROME PLATED BRASS P-TRAP AND DRAIN ARM, AND HEAVY PATTERN CHROME PLATED BRASS SUPPLY STOPS.	1/2"	1/2"	1-1/2"	1-1/2"	IN COUNTERTOP	ADA - FRONT APPROACH (WHERE FRONT APRON IS PROVIDED)
SK-5	SINK: EXISTING SINGLE COMPARTMENT, STAINLESS STEEL SINK REFINISHED (CLEANED AND POLISHED) AND REINSTALLED WITH NEW FAUCET AND TRIM, FINISH WITH NEW STRAINER BASKET AND TAILPIECE. TRIM: ZURN #Z83184-XL, SOLID CAST BRASS BODY WITH CHROME PLATED FINISH, GOOSENECK SPOUT, LEVER HANDLES, 2.2 GPM LAMINAR FLOW SPOUT END, PROVIDE HEAVY PATTERN CHROME PLATED BRASS SUPPLY STOPS AND 17 GA. CHROME PLATED BRASS DRAIN ARM ROUTED TO SOLID INTERCEPTOR (OR FOR ART ROOM SINKS) AND CHROME PLATED BRASS P-TRAP (FOR PASSAGE B131 SINK).	1/2"	1/2"	1-1/2"	1-1/2"	IN COUNTERTOP	STANDARD FIXTURE
MB-1	MOP BASIN: FLAT #MSB-2424; 24" X 24" X 10", ONE-PIECE MOLDED STONE. TRIM: ZURN #M38181-AL, SOLID CAST BRASS BODY WITH VACUUM BREAKER, 1" THREADED HOSE SPOUT WITH PAUL HOOK, LEVER HANDLES, WALL BRACE, SUPPLY ARMS ADJUSTABLE FROM 4" TO 8 3/8" CENTERS WITH STRAINER CHECK STOPS, (SET ON 8" CENTERS); PROVIDE 3" 302 STAINLESS STEEL GASKET DRAIN BODY WITH REMOVABLE STRAINER.	3/4"	3/4"	3"	1 1/2"	FLOOR MOUNTED	PROVIDE 30" LONG FLEXIBLE HOSE WITH BRACKET, 2X1/2" 60 GA. 302 STAINLESS STEEL MOP BRACKET W/3 GRIP, VINYL GUARD & SILICONE SEALANT.
EW-1	ELECTRIC WATER COOLER: (H-H LOW MODEL) LIKE ELKAY #L25TWBSSP; WALL HUNG WATER COOLER WITH CHILLED DRINKING STATION; NSF-ANSI-61 AND ADA COMPLIANT, 8.0 GPH OF 50° F OF FILTERED AND CHILLED DRINKING WATER, 14 H.P., 115 VOLT, 60 HZ, CURVED FRONT, STAINLESS STEEL BOWL WITH INTEGRAL DRAIN AND STAINLESS STEEL CABINET, VANDAL RESISTANT FRONT AND SIDE PUSH BARS, FLEXIBLE MOUTH GUARDS; HANDS FREE BOTTLE FILLER LOCATED ON THE LOW BUBBLER SIDE (WITH DIGITAL STATUS READOUT) SHALL PROVIDE 1.1 GPM TO 1.5 GPM LAMINAR FLOW THROUGH A RECESSED ORIFICE WITH A 30 SECOND AUTOMATIC TIMED SHUT-OFF; 3.000 GALLON CAPACITY FILTER CERTIFIED TO NSF-ANSI 42 AND 53 FOR REDUCTION OF LEAD, CHLORINE, PARTICULATE, TASTE AND ODOR. A VISUAL INDICATION OF THE FILTER STATUS SHALL BE PROVIDED VIA AN LED DISPLAY OF THE REMAINING FILTER LIFE. PROVIDE FLOOR MOUNTED (COMMON) SPLIT LEVEL CARRIER BOLTED TO FLOOR. TRIM: 17 GA. CHROME PLATED CAST BRASS P-TRAP WITH HEAVY PATTERN CHROME PLATED BRASS SUPPLY STOP.	-	1/2"	1-1/2"	1-1/2"	SEE DETAIL	CHILD ADA FIXTURE
EW-2	ELECTRIC WATER COOLER: (SINGLE UNIT) LIKE ELKAY #L25TWBSSP; WALL HUNG WATER COOLER WITH BOTTLE FILLING STATION; NSF-ANSI-61 AND ADA COMPLIANT, 8.0 GPH OF 50° F OF FILTERED AND CHILLED DRINKING WATER, 14 H.P., 115 VOLT, 60 HZ, CURVED FRONT, STAINLESS STEEL BOWL WITH INTEGRAL DRAIN AND STAINLESS STEEL CABINET, VANDAL RESISTANT FRONT AND SIDE PUSH BARS, FLEXIBLE MOUTH GUARDS; HANDS FREE BOTTLE FILLER WITH DIGITAL STATUS READOUT SHALL PROVIDE 1.1 GPM TO 1.5 GPM LAMINAR FLOW THROUGH A RECESSED ORIFICE WITH A 30 SECOND AUTOMATIC TIMED SHUT-OFF; 3.000 GALLON CAPACITY FILTER CERTIFIED TO NSF-ANSI 42 AND 53 FOR REDUCTION OF LEAD, CHLORINE, PARTICULATE, TASTE AND ODOR. A VISUAL INDICATION OF THE FILTER STATUS SHALL BE PROVIDED VIA AN LED DISPLAY OF THE REMAINING FILTER LIFE. PROVIDE FLOOR MOUNTED (COMMON) CARRIER BOLTED TO FLOOR. TRIM: 17 GA. CHROME PLATED CAST BRASS P-TRAP WITH HEAVY PATTERN CHROME PLATED BRASS SUPPLY STOP.	-	1/2"	1-1/2"	1-1/2"	SEE DETAIL	CHILD ADA FIXTURE
NFW-1	NON-FREEZE WALL HYDRANT: LIKE WOODFORD #95; RECESSED MOUNTED, KEY OPERATING COVER, ANTI-SIPHON - VACUUM BREAKER, CHROME FINISH W/LOOSE TEE HANDLE.	-	3/4"	-	-	CENTERLINE: 24" ABOVE FINISH GRADE LEVEL	USE MANUFACTURERS RECOMMENDED LENGTH FOR EXTERIOR WALL THICKNESS
SI-1	SOLIDS INTERCEPTOR: (POINT OF USE) ZURN #Z41180; 5 GPM, 1.7 GALLON LIQUID CAPACITY; CAST IRON, OR WELDED STEEL CONSTRUCTION WITH EPOXY COATING INSIDE AND OUTSIDE, OR HIGH DENSITY POLYETHYLENE, ACCESSIBLE GASKETED (SECURED) COVER, REMOVABLE STAINLESS STEEL SEPARATOR SCREEN, REMOVABLE STAINLESS STEEL SEDIMENT BASKET/FILTER SCREEN DESIGNED TO INTERCEPT SEDIMENT; SAND, CLAY, BEADS & STRINGY MATERIAL USED IN AN ART CLASSROOM.	-	-	-	-	RECESSED THROUGH FLOOR OF CASEWORK	INLET/OUTLET: MATCH CONNECTING PIPE SIZE.
FD 'A'	FLOOR DRAIN: LIKE J.R. SMITH #2041-NB; CAST IRON BODY WITH INTEGRAL TRAP AND CLEANOUT WITH NICKEL BRONZE STRAINER. FOR INSTALLATIONS ON-GRADE, FURNISH WITH TRAP SEAL DEVICE EQUAL TO "TRAP GUARD".	-	-	-	-	NA	OUTLET: MATCH PIPE SIZE ALL P.D.S. TO HAVE C.O.S.
FD 'B'	FLOOR DRAIN: LIKE J.R. SMITH #2110-M-8; AND #3590 OVAL FUNNEL; MEDIUM DUTY, CAST IRON BODY WITH D.I. GRATE, SEGMENT BASKET AND DEEP SEAL TRAP, FURNISH WITH TRAP SEAL DEVICE EQUAL TO "TRAP GUARD".	-	-	-	-	NA	OUTLET: MATCH PIPE SIZE
RD	ROOF DRAIN: LIKE J.R. SMITH #1015-CL-R-C-CID; CAST IRON BODY AND STRAINER.	-	-	-	-	NA	OUTLET: MATCH PIPE SIZE
ORD	OVERFLOW ROOF DRAIN: LIKE J.R. SMITH #1080-CL-R-C-CID; CAST IRON BODY AND STRAINER.	-	-	-	-	NA	OUTLET: MATCH PIPE SIZE

REFER TO FIXTURE NOTES AND SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENTS

**LEGEND**

NOTE: ALL SYMBOLS & ABBREVIATIONS MAY NOT BE USED ON THIS PROJECT.

C.W. COLD WATER LINE DOMESTIC	CD CONDENSATE DRAIN	C.V. CHECK VALVE	HW BALANCING VALVE
H.W. HOT WATER LINE DOMESTIC	CO CLEANOUT	B.V. BALL VALVE	GS SOLENOID VALVE
H.W.R. HOT WATER RETURN DOMESTIC	EW EXISTING WATER COOLER	BUTTERFLY VALVE	TEE / ELBOW (LOOKING DOWN)
C.W. EXIST. COLD WATER LINE DOMESTIC	EX EXISTING	UNION	TEE / ELBOW (LOOKING UP)
H.W. EXIST. HOT WATER LINE DOMESTIC	FD FLOOR CLEANOUT	PIPE ANCHOR	WYE STRAINER
H.W.R. EXIST. HOT WATER RETURN DOMESTIC	FW FLOOR DRAIN	FLEX CONNECTION	WATER HAMMER ARRESTER SYMBOL (SEE SCHEDULE)
SAN SANITARY BUILDING DRAIN	G NATURAL GAS	THERMOMETER	PIPE CAP (END OF HORIZONTAL / IN VERTICAL)
SANITARY VENT	GR GAS PRESSURE REGULATOR	PRESSURE GAUGE	EX CONNECT TO EXISTING
SAN EXIST. SANITARY BUILDING DRAIN	HB HOSE BIB	GATE VALVE	CONNECT TO SUSPENDED IN LINE (BASE OF RISER)
EXIST. SANITARY VENT	IN INDIRECT WASTE	CONNECT NEW TO EXISTING	EX CLEANOUT / SUSPENDED IN LINE (BASE OF RISER)
EXIST. SANITARY VENT	IE INVERT ELEVATION	AS GAS PLUG VALVE	AS CLEANOUT / FLOOR / EXTERIOR AT GRADE
NATURAL GAS PIPE	LAV LAVATORY	GAS PRESSURE REGULATOR	REDUCED PRESSURE ZONE BACKFLOW PREVENTER (RPZ)
CONDENSATE DRAIN	MB MOP BASIN	REDUCED PRESSURE ZONE BACKFLOW PREVENTER (RPZ)	

**PLUMBING FIXTURE SCHEDULE NOTES:**

NOTES (WHERE APPLICABLE, FOR FIXTURES USED ON THE PROJECT):

- FLUSH CONTROL (HANDICAPPED WATER CLOSETS): INSTALLED ON WIDE SIDE OF STALL.
- WATER CLOSET SEATS: BENEKE #527-S; REFERENCE SPECIFICATION SECTION 1540-0.
- FLOOR MOUNTED CARRIERS: PROVIDED FOR ALL WALL-HUNG FIXTURES; SECURELY ANCHORED TO FLOOR USING ALL ANCHOR POINTS ON THE CARRIER.
- STOPS AND SUPPLIES (TRAP TYPE WATER CLOSETS AND/OR LAVS/SINKS/WATER COOLERS/DRINKING FOUNTAINS/WASH TUBS, ETC.): POLISHED CHROME PLATE, COMMERCIAL PATTERN, QUARTER TURN BRASS ANGLED BODIED LOOSE KEY BALL VALVE, LOOSE KEY TYPE STOP (WITH LOCKSHIELDS), SHALLOW CHROME PLATED FORGED BRASS ESCUTCHEONS WITH SET SCREW, 1/2" I.P.S. INLET X 3/8" COMPRESSION OUTLET, RIGID SUPPLY TUBES: MCGUIRE #W2V2165 SERIES AND MCGUIRE #W2V2166 SERIES KIT PER RESPECTIVE FIXTURE TYPE.
- PERFORATED DRAIN ASSEMBLIES (LAVS): CHROME PLATED PERFORATED BRASS STRAINER (WITH OVERFLOW INLET), 1 1/4" POLISHED CHROME PLATED 17 GA. BRASS TALPIECE, ADJUSTABLE 1 1/4" POLISHED CHROME PLATED 17 GA. BRASS P-TRAP WITH BOTTOM CLEANOUT PLUG AND MATCHING RETURN BEND, WASTE ARM AND ESCUTCHEON (UNLESS NOTED OTHERWISE); DRAIN ASSEMBLY FOR HANDICAPPED LAVATORIES SHALL BE OFF-SET WITH P-TRAP INSTALLED PARALLEL TO FIXTURE WALL.
- BASKET STRAINERS AND WASTE ASSEMBLY (SINKS): 3 1/2" DIAMETER, PERFORATED STAINLESS STEEL BASKET STRAINERS WITH GASKETED STOPPER AND 1 1/2" STAINLESS STEEL TALPIECE, ELKAY #LK-358; ADJUSTABLE 1 1/2" POLISHED CHROME PLATED 17 GA. BRASS P-TRAP WITH BOTTOM CLEANOUT PLUG AND MATCHING RETURN BEND, WASTE ARM AND ESCUTCHEON; PROVIDE TWO BASKET STRAINERS AND A POLISHED CHROME PLATED 17 GA. BRASS CONTINUOUS WASTE ASSEMBLY AT EACH DOUBLE COMPARTMENT SINK; DRAIN ASSEMBLY FOR HANDICAPPED SINKS SHALL BE OFF-SET WITH P-TRAP INSTALLED PARALLEL TO WALL.
- FLAT STRAINER AND WASTE ASSEMBLY (SINKS): 3 1/2" DIAMETER PERFORATED FLAT STAINLESS STEEL STRAINER WITH 1 1/2" STAINLESS STEEL TALPIECE, ELKAY #LK-418; ADJUSTABLE 1 1/2" POLISHED CHROME PLATED 17 GA. BRASS P-TRAP WITH BOTTOM CLEANOUT PLUG AND MATCHING RETURN BEND, WASTE ARM AND ESCUTCHEON; DRAIN ASSEMBLY FOR HANDICAPPED SINKS SHALL BE OFF-SET WITH P-TRAP INSTALLED PARALLEL TO WALL.
- WASTE ASSEMBLY (WATER COOLERS/DRINKING FOUNTAIN): ADJUSTABLE 1 1/4" POLISHED CHROME PLATED 17 GA. BRASS P-TRAP WITH BOTTOM CLEANOUT PLUG AND MATCHING RETURN BEND AND ESCUTCHEON; HANDICAPPED FIXTURES WITHOUT A CABINET (HAVING EXPOSED DRAIN ASSEMBLY) SHALL BE PROVIDED WITH OFF-SET DRAIN WITH P-TRAP INSTALLED PARALLEL TO WALL.
- WATER STOPS, SUPPLIES AND WASTE ASSEMBLY (HANDICAPPED ACCESSIBLE LAV AND SINK LOCATIONS): COVERED WITH THE ONE OF THE FOLLOWING APPLICABLE PRE-FORMED PVC TUBULAR COVERING SYSTEMS: TRUBRO SYSTEM #10-EE, #10-EEZ, OR #17-EEZ (WITH HEX10-EEZ EXTENSION WHEN NECESSARY).
- SINK FAUCETS: 2.2 GPM LAMINAR FLOW SPOUT END, BY NEOPERL. IN THE ABSENCE OF AN ASSE #1017 THERMOSTATIC MIXING VALVE (TMV) AT THE WATER HEATER; PROVIDE AN ASSE #1017 TMV WITH CHECK STOPS AT EACH PLUMBING FIXTURE (OR AT A GROUP OF FIXTURES, WHEN VALVE IS PROPERLY SIZED); SEE SECTION 224000 FOR ADDITIONAL REQUIREMENTS.
- LAV FAUCETS: VANDAL RESISTANT, 0.5 GPM LAMINAR FLOW SPOUT END, BY NEOPERL. IN THE ABSENCE OF AN ASSE #1017 THERMOSTATIC MIXING VALVE (TMV) AT THE WATER HEATER; PROVIDE AN ASSE #1017 TMV WITH CHECK STOPS AT EACH PLUMBING FIXTURE (OR AT A GROUP OF FIXTURES, WHEN VALVE IS PROPERLY SIZED); SEE SECTION 224000 FOR ADDITIONAL REQUIREMENTS.
- CONCEALED ROUGH-IN CONNECTIONS FOR WASH FOUNTAINS: FULL SIZE, FULL PORT BALL VALVES AND FULL SIZE P-TRAP.
- MOP SINK FAUCETS: PROVIDED WITH INTEGRAL CHECK STOPS.
- IN THE EVENT THAT A TAGGED PLUMBING FIXTURE (OR NEW PLUMBING FIXTURE AS DEFINED ON ARCHITECTURAL DRAWINGS) OCCURS ON THE PLANS WITHOUT PIPING SHOWN: IT SHALL BE UNDERSTOOD TO MEAN A NEW AND OPERABLE PLUMBING FIXTURE. THEREFORE THE CONTRACTORS BID PRICE SHALL INCLUDE ALL LABOR AND MATERIALS I.E. FIXTURE, (VALVED SERVICE PIPING TO ROUTING AND FINAL CONNECTIONS MADE TO SAID FIXTURE, REFERENCE ROUGH-IN'S ABOVE, FOR REQUIRED PIPE SIZES; PROVIDE WATER HAMMER ARRESTERS (SIZE: P.P.D. STANDARD).
- SINK FAUCET COMPONENTS TO BE ARRANGED IN THE FOLLOWING ORDER: HAND SPRAY (WHEN USED) ON THE LEFT, SPOUT IN THE CENTER, AND CONTROL VALVE ON THE RIGHT.
- FAUCETS, VALVES, FLUSH VALVES, BUBBLERS AND OTHER WETTED TRIM SURFACES SHALL BE CERTIFIED AS BEING "NO LEAD".
- PLUMBING CONTRACTOR SHALL COORDINATE AND VERIFY COUNTERTOP SINK DIMENSIONS WITH CARRIER; MILL WORK BEING PROVIDED TO ASSURE THAT NO CONFLICTS EXIST BETWEEN PROPOSED SINK, COUNTERTOP AND THE SINK BASE (OR SUPPORTING MEMBERS), PRIOR TO SUBMITTING FIXTURE TO ENGINEER FOR REVIEW / APPROVAL. PROVIDE GROUND TRADES CONTRACTOR A FULL SIZE CUT-OUT TEMPLATE FOR EACH TYPE / SIZE COUNTERTOP SINK BEING PROVIDED ON THE PROJECT.

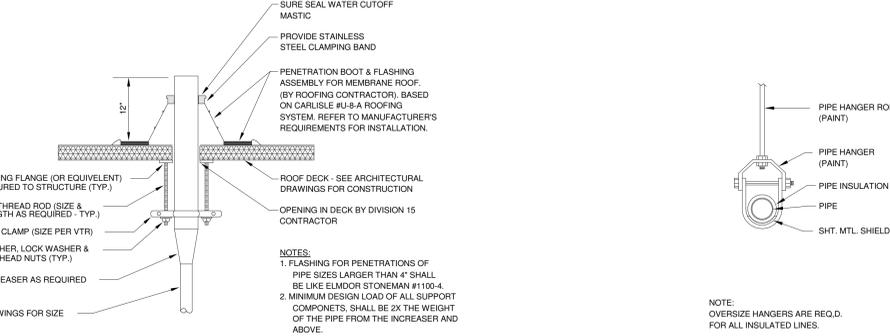
**PLUMBING EQUIPMENT SCHEDULE:**

MARK	EQUIPMENT	LOCATION	DESCRIPTION (PER EACH) (REFER TO DIVISION 22 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS)	MANUFACTURER
GPR-1	GAS PRESSURE REGULATOR	MECHANICAL ROOM	5 PSI INLET PRESSURE/7" W.C. DELIVERY PRESSURE AT 2,000 MBH/2000 CFH, POSITIVE LOCK-UP STYLE WITH INTERNAL RELIEF VALVE.	SENSUS MODEL #243
GPR-2	GAS PRESSURE REGULATOR	MECHANICAL ROOM	5 PSI INLET PRESSURE/7" W.C. DELIVERY PRESSURE AT 2,000 MBH/2000 CFH, POSITIVE LOCK-UP STYLE WITH INTERNAL RELIEF VALVE.	SENSUS MODEL #243
GPR-3	GAS PRESSURE REGULATOR	MECHANICAL ROOM	5 PSI INLET PRESSURE/7" W.C. DELIVERY PRESSURE AT 2,000 MBH/2000 CFH, POSITIVE LOCK-UP STYLE WITH INTERNAL RELIEF VALVE.	SENSUS MODEL #243
GPR-4	GAS PRESSURE REGULATOR	EMERGENCY GENERATOR	5 PSI INLET PRESSURE/7" W.C. DELIVERY PRESSURE AT 377 CFH, POSITIVE LOCK-UP STYLE WITH INTERNAL RELIEF VALVE.	SENSUS MODEL #243

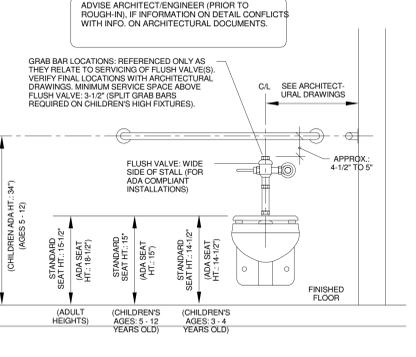
**WATER HAMMER ARRESTER SCHEDULE**

P.D.I. SYMBOL	FIXTURE UNITS	INLET SIZE
A	1-11	3/4"
B	12-32	1"
C	33-60	1"
D	61-113	1"
E	114-154	1"
F	155-330	1"

1. ALL ARRESTERS PROVIDED TO BE P.D.I. APPROVED.  
 2. PROVIDE 1/2" X 1/8" WATER HAMMER ACCESS PANEL PAINT TO MATCH WALL SURFACE.



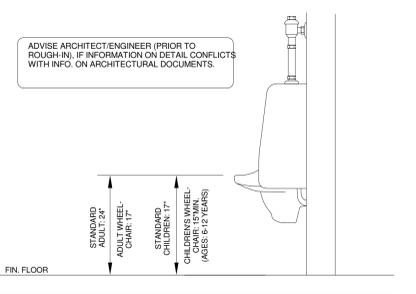
**6 PIPE HANGER DETAIL (TYPICAL)**



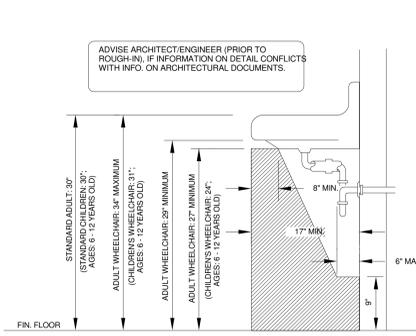
**WATER CLOSET - MOUNTING HEIGHT REQUIREMENTS**

WATER CLOSET	AGE GROUP (YEARS)	TOP OF SEAT (A.F.F.)	TOP OF FLUSH VALVE (A.F.F.)	CENTERLINE OF GRAB BARS (A.F.F.)
ADULT (ACCESSIBLE)	13 & OLDER	17" - 19"	41" - 32-1/2"	(33" - 36") REQUIRED TO BE 36"
ADULT (NON-ACCESSIBLE)	13 & OLDER	15" - 17"	30-1/2" - 32-1/2"	N/A
CHILDRENS	9 - 12	15" - 17"	30-1/2" - 32-1/2"	(25" - 27") REQUIRED: SPLIT FOR FLUSH VALVE INSTALLATION
CHILDRENS	K5 - 8	12" - 15"	27-1/2" - 30-1/2"	(20" - 25") REQUIRED: SPLIT FOR FLUSH VALVE INSTALLATION
CHILDRENS	K3 - K4	11" - 12"	25-1/2" - 27-1/2"	(18" - 20") REQUIRED: SPLIT FOR FLUSH VALVE INSTALLATION

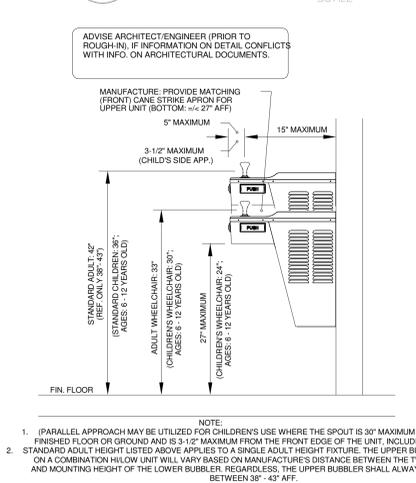
**1 WATER CLOSET DETAIL**  
 (GRADES: PRE-K TO 12) NOT TO SCALE



**2 URINAL DETAIL**  
 NOT TO SCALE



**3 LAVATORY DETAIL**  
 NOT TO SCALE



**4 WATER COOLER DETAIL**  
 NOT TO SCALE

**5 VENT THRU ROOF DETAIL**

**6 PIPE HANGER DETAIL (TYPICAL)**

