Tuesday, November 18, 2025

Mckinley High School – Construction Documents
800 E McKinley St, Baton Rouge, LA 70802
Domain Chasm Project No. C24-0038/24009

ADDENDUM NO. 1

The following items shall be considered part of the contract documents and shall be included in the same when the Construction Contract is carried out. Changes made by Addenda shall take precedence over Original Documents. Any changes, which may affect construction or proper installation of materials, equipment or fixtures, not specifically mentioned in this addendum, shall be brought to the attention of Designer before starting construction. Otherwise, such conditions, if found later to exist, must be worked out in an acceptable manner without additional cost to the Owner. The General Contractor is hereby advised to call attention of all subcontractors to changes, which may affect their work.

Addendum Information:

1. This Addendum is hereby made a part of the 100% Owner Review Set dated November 6, 2025.
2. Building A has 8 revised sheets.
3. Building C has 2 revised sheets.
4. Building D has 1 revised sheet.
5. MCK Abatement package from My Environmental Consulting has 1 revised sheet.

CLARAFICATIONS

1. Remove sheets listed below from the sheet lists as these sheets were removed from the sets.
    a. Building A - Remove Sheets D1.101, D2.103 and E6.100 from the sheet list.
    b. Building B - Remove Sheets S2.2.2, E6.200 and E7.200 from the sheet list.
    c. Building C - Remove Sheets E6.100, E6.300 and E7.300 from the sheet list.
    d. Building D - Remove Sheets E6.400 and E7.400 from the sheet list.
    e. Building E - Remove Sheets E1.000 from the sheet list.
    f. Building F - Remove Sheets A9.601 from the sheet list.
    g. Site – Remove Sheet A9.001 and A9.002 from the sheet list.

ARCHITECTURAL:

Drawings:

1. Sheet A2.101 - FLOOR PLAN - BLDG A. Replace Sheet A2.101 - FLOOR PLAN - BLDG A with the attached Sheet A2.101 - FLOOR PLAN - BLDG A in the 100% Owner Review Set.
2. Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A. Replace Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A with the attached Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A in the 100% Owner Review Set.

3. Sheet A3.102 - ENLARGED FLOOR PLANS & PLAN DETAILS - BLDG A. Replace Sheet A3.102 - ENLARGED FLOOR PLANS & PLAN DETAILS - BLDG A with the attached A3.102 - ENLARGED FLOOR PLANS & PLAN DETAILS - BLDG A in the 100% Owner Review Set.
4. Sheet A5.101 - REFLECTED CEILING PLAN- BLDG A. Replace A5.101 - REFLECTED CEILING PLAN- BLDG A with the attached Sheet A5.101 - REFLECTED CEILING PLAN- BLDG A in the 100% Owner Review Set.
5. Sheet A5.102 - ENLARGED REFLECTED CEILING PLAN - BLDG A. Replace Sheet A5.102 - ENLARGED REFLECTED CEILING PLAN - BLDG A with the attached Sheet A5.102 - ENLARGED REFLECTED CEILING PLAN - BLDG A in the 100% Owner Review Set.
6. Sheet A9.102 - FINISH PLAN- BLDG A. Replace Sheet A9.102 - FINISH PLAN- BLDG A with the attached Sheet A9.102 - FINISH PLAN- BLDG A in the 100% Owner Review Set.
7. Sheet A9.103 - ENLARGED FINISH PLAN- BLDG A. Replace Sheet A9.103 - ENLARGED FINISH PLAN- BLDG A with the attached Sheet A9.103 - ENLARGED FINISH PLAN- BLDG A in the 100% Owner Review Set.
8. Sheet D2.101 - ENLARGED DEMO PLANS - BLDG A. Replace Sheet D2.101 - ENLARGED DEMO PLANS - BLDG A with the attached Sheet D2.101 - ENLARGED DEMO PLANS - BLDG A in the 100% Owner Review Set.
9. Sheet A9.302 - 1ST FLOOR FINISH PLAN- BLDG C. Replace Sheet A9.302 - 1ST FLOOR FINISH PLAN- BLDG C with the attached Sheet A9.302 - 1ST FLOOR FINISH PLAN- BLDG C in the 100% Owner Review Set.
10. Sheet D2.301 - ENLARGED DEMO 1ST FLOORPLAN- BLDG C. Replace Sheet D2.301 - ENLARGED DEMO 1ST FLOORPLAN- BLDG C with the attached Sheet D2.301 - ENLARGED DEMO 1ST FLOORPLAN- BLDG C in the 100% Owner Review Set.
11. Sheet D2.401 - DEMO - 1ST FLOOR- BLDG. D. Replace Sheet D2.401 - DEMO - 1ST FLOOR- BLDG. D with the attached Sheet D2.401 - DEMO - 1ST FLOOR- BLDG. D in the 100% Owner Review Set.
12. Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A. Replace Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A with the attached Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A in the 100% Owner Review Set.
13. Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A. Replace Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A with the attached Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A in the 100% Owner Review Set.
14. Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A. Replace Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A with the attached Sheet A3.101 - ENLARGED FLOOR PLAN - BLDG A in the 100% Owner Review Set.

ABATEMENT:

Drawings:

1. Sheet titled BUILDING 03/C - FLOOR MATERIALS. Replace sheet titled BUILDING 03/C - FLOOR MATERIALS with the attached sheet titled BUILDING 03/C - FLOOR MATERIALS in the 100% Owner Review Set.

MECHANICAL:

Drawings:

1. Sheet M2.102 – MECHANICAL ROOF PLAN – BLDG. A – remove previously issued sheet and replace sheet with attached sheet.
2. Sheet M3.101 – MECHANICAL ENLARGED FLOOR PLANS – BLDG. A – remove previously issued sheet

and replace sheet with the attached sheet.

3. Sheet M3.102 – MECHANICAL ENLARGED FLOOR PLAN – BLDG. A – remove previously issued sheet and replace sheet with the attached sheet.
4. Sheet M5.101 – MECHANICAL SCHEDULES – BLDG. A – remove previously issued sheet and replace sheet with the attached sheet.
5. Sheet M2.201 – MECH. 1st FLOOR PLAN – BLDG. B – remove previously issued sheet and replace sheet with the attached sheet.
6. Sheet M2.203 – MECH. 2ND FLOOR PLAN – BLDG. B – remove previously issued sheet and replace sheet with the attached sheet.
7. Sheet M2.204 – MECH. 2ND FLOOR PIPING PLAN – BLDG. B – remove previously issued sheet and replace sheet with the attached sheet.
8. Sheet M5.201 – MECHANICAL SCHEDULES – BLDG. B – remove previously issued sheet and replace sheet with the attached sheet.
9. Sheet M2.301 – MECH. 1st FLOOR PLAN – BLDG. C – remove previously issued sheet and replace sheet with the attached sheet.
10. Sheet M2.303 – MECH. 2ND FLOOR PLAN – BLDG. C – remove previously issued sheet and replace sheet with the attached sheet.
11. Sheet M5.301 – MECHANICAL SCHEDULES – BLDG. C – remove previously issued sheet and replace sheet with the attached sheet.
12. Sheet M2.401 – MECHANICAL FLOOR PLAN – BLDG. D – remove previously issued sheet and replace sheet with the attached sheet.
13. Sheet M5.401 – MECHANICAL SCHEDULES – BLDG. D – remove previously issued sheet and replace sheet with the attached sheet.
14. Sheet M2.501 – MECHANICAL FLOOR PLAN – BLDG. E – remove previously issued sheet and replace sheet with the attached sheet.
15. Sheet M5.501 – MECHANICAL SCHEDULES – BLDG. E – remove previously issued sheet and replace sheet with the attached sheet.
16. Sheet M2.600 – MECHANICAL FLOOR PLAN – BLDG. F – remove previously issued sheet and replace sheet with the attached sheet.
17. Sheet M1.701– MECHANICAL FLOOR PLAN – BLDG. MCK – remove previously issued sheet and replace sheet with the attached sheet.
18. Sheet M3.701 – MECHANICAL SCHEDULES – BLDG. MCK – remove previously issued sheet and replace sheet with the attached sheet.

END OF ADDENDUM NO. 1

ATTACHMENTS:

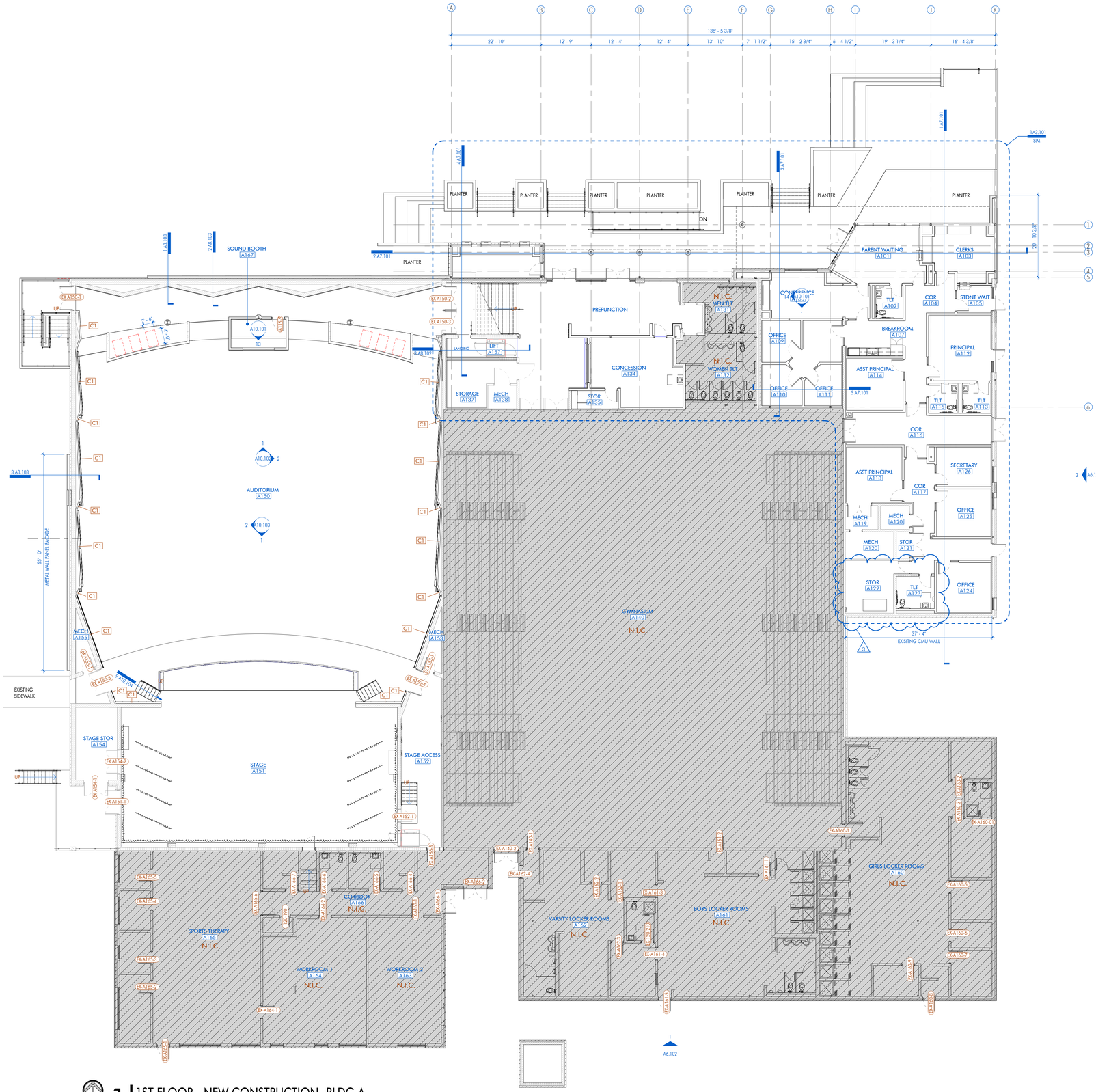
2025-11-13 BLDG A.PDF (A2.101, A3.101, A3.102, A5.101, A5.102, A9.102, A9.103, D2.101)

2025-11-13 BLDG C.PDF (A9.302, D2.301)

2025-11-13 BLDG D.PDF (D2.401)

MCK Abatement Page 45-Revised.PDF

2025-11-14 MECHANICAL - M2.102, M3.101, M3.102, M5.101, M2.201 M2.203 M2.204 M5.201 M2.301 M2.303, M5.301, M2.401, M5.401, M2.501, M5.501, M2.600, M1.701, M3.701



1 | 1ST FLOOR - NEW CONSTRUCTION- BLDG A

3/32" = 1'-0" DRAWN BY: SS

FLOOR PLAN LEGEND

- 808-1 — DOOR DESIGNATION TAG
- ACT-1 — FINISH / MATERIAL DESIGNATION TAG
- W1 — WINDOW DESIGNATION TAG
- A1 — WALL DESIGNATION TAG
- 88 — REVISION DESIGNATION TAG
- 0' - 0" ELEVATION — ELEVATION DATUM HEIGHT DESIGNATION
- ROOM NAME 812 — ROOM DESIGNATION TAG
- 88A12.18 SIM — DETAIL DESIGNATION TAG
- A10.11 SIM — INTERIOR ELEVATION DESIGNATION TAG
- A6.01 — EXTERIOR ELEVATION DESIGNATION TAG
- 18 A10.12 SIM — BUILDING / WALL / DETAIL SECTION DESIGNATION TAG

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR STUD GAUGE AND BRIDGING REQUIREMENTS.
2. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FACE OF BRICK, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL PROVIDE ALL METAL STUD BLOCKING / BRACING FOR ALL WALL HUNG OR WALL MOUNTED ARCHITECTURAL ITEMS INSTALLED ON STUD WALLS, INCLUDING BUT NOT LIMITED TO: MILLWORK, COUNTERTOPS, TOILET ACCESSORIES, GRAB BARS, MARKER BOARDS, TACK BOARDS, CLOCKS, SPEAKERS, ETC...
4. ALL ITEMS ARE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS NOTED OTHERWISE.
5. ALL DRYWALL CONTROL JOINT PLACEMENT SHALL CONFORM WITH ASTM C840, UNLESS NOTED OTHERWISE. INSTALL CONTROL JOINTS AS SHOWN.
   A. IF NOT SHOWN, CONTROL JOINTS TO BE INSTALLED PER THE FOLLOWING:
      a. ALL CONTROL JOINTS SHALL BE INSTALLED WHERE SPECIFIED BY THE ARCHITECT OR DESIGNER AS A DESIGN ACCENT OR ARCHITECTURAL FEATURE.
      b. A CONTROL JOINT SHALL BE INSTALLED WHERE A PARTITION, WALL, OR CEILING TRAVERSES A CONSTRUCTION JOINT.
      c. CONTROL JOINT SHALL BE INSTALLED WHERE A WALL OR PARTITION RUNS IN AN UNINTERRUPTED STRAIGHT PLANE EXCEEDING 30 LINEAR FEET.
      d. CONTROL JOINTS IN INTERIOR CEILINGS WITH A PERIMETER RELIEF SHALL BE INSTALLED SO THAT LINEAR DIMENSIONS BETWEEN CONTROL JOINTS DO NOT EXCEED 50-0" AND TOTAL BETWEEN CONTROL JOINTS DOES NOT EXCEED 2500 SQ FT.
      e. CONTROL JOINTS IN INTERIOR CEILINGS WITHOUT PERIMETER RELIEF AND EXTERIOR CEILINGS AND SOFFITS SHALL BE INSTALLED SO THAT LINEAR DIMENSIONS BETWEEN CONTROL JOINTS DO EXCEED 30-0" AND TOTAL AREA BETWEEN CONTROL JOINTS DOES NOT EXCEED 900 SQ FT.
      f. A CONTROL JOINT OR INTERMEDIATE BLOCKING SHALL BE INSTALLED WHERE CEILING FRAMING MEMBERS CHANGE DIRECTION.
      g. WHERE A CONTROL JOINT OCCURS IN AN ACOUSTICAL OR FIRE-RATED SYSTEM, BLOCKING SHALL BE PROVIDED BEHIND THE CONTROL JOINT BY USING A BACKING MATERIAL SUCH AS 5/8" TYPE X GYPSUM BOARD, MINERAL FIBER, OR OTHER TESTED EQUIVALENT.
      h. WHERE CONTROL JOINTS ARE INSTALLED IN NON-RATED ASSEMBLIES AND ARE PARALLEL TO THE FRAMING MEMBERS, A FRAMING MEMBER IS REQUIRED ON EACH SIDE OF THE OPENING. THIS REQUIREMENT IS FOR ATTACHMENT OF GYPSUM BOARD.
   B. CONTRACTOR SHALL INCLUDE IN BID FOR CONTROL JOINTS AS OUTLINED ABOVE, AND FOR A CONTROL JOINT TO BE INSTALLED AT BOTH JAMBS OF OPENINGS, WINDOWS, AND DOORS (ONE AT EACH JAMB FULL HEIGHT / TOP AND BOTTOM OF OPENING) & WITHIN 30 FEET OF CORNER OR PREVIOUS CONTROL JOINT.
6. AT ALL CERAMIC / PORCELAIN WALL TILE LOCATIONS, CONTRACTOR SHALL USE CEMENT BACKER BOARD, MINIMUM 5/8-INCH THICK, UNLESS OTHERWISE NOTED.
7. AT ALL WALLS (FULL HEIGHT) WITHIN TOILET ROOMS, SHOWERS, RESTROOMS AND/OR SIMILAR USE ROOMS NOT TILED, SHALL RECEIVE MINIMUM 5/8-INCH MOISTURE RESISTANCE GYPSUM.
8. AT ALL PLUMBING FIXTURES NOT WITHIN A ROOM DESCRIBED ABOVE, USE MINIMUM 5/8-INCH MOISTURE RESISTANCE GYPSUM FOR A DISTANCE OF 96-INCHES FROM THE CENTERLINE OF THE FIXTURE IN ALL DIRECTIONS.

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION

ARCHITECT

CHASM DOMAIN

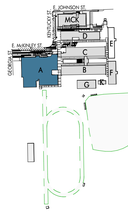
AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd. suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.5771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE. LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT



RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
3	ADDENDUM 1 - CD SET	11-12-25

DA project #	C24-0038
CA project #	24009
date	NOVEMBER 6, 2025

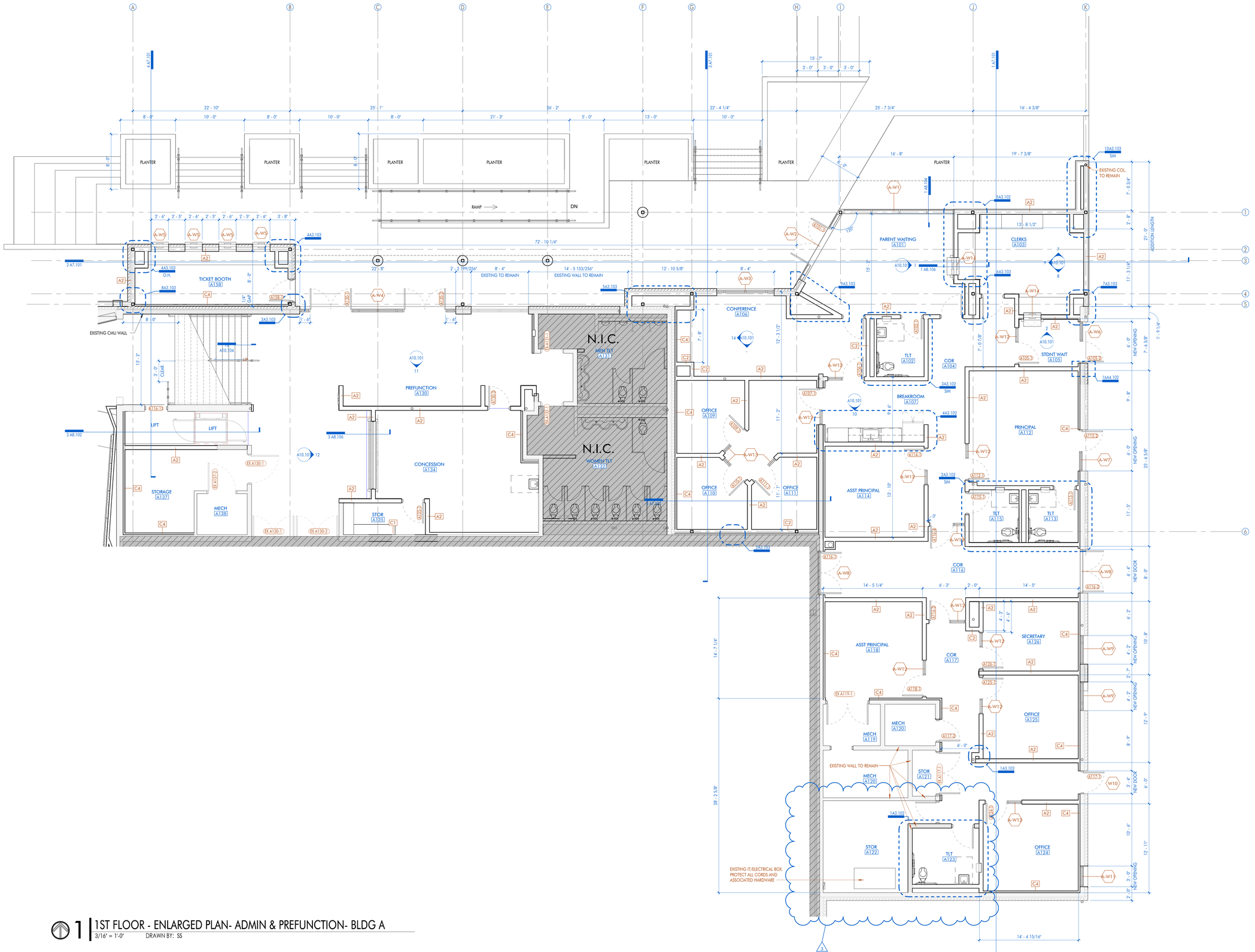
FLOOR PLANS- BLDG A

A2.101

3 ADDENDUM 1 - CD SET

NOVEMBER 6, 2025

SHEET KEYNOTE LIST



1 1ST FLOOR - ENLARGED PLAN- ADMIN & PREFUNCTION- BLDG A

3/16" = 1'-0" DRAWN BY: SS

3 ADDENDUM 1 - CD SET

NOVEMBER 6, 2025

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd, suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.5771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

envisions No.	Description	Date
2	ADDENDUM 1 - CD SET	11-12-25

DA project # C24-0038

CA project # 24009

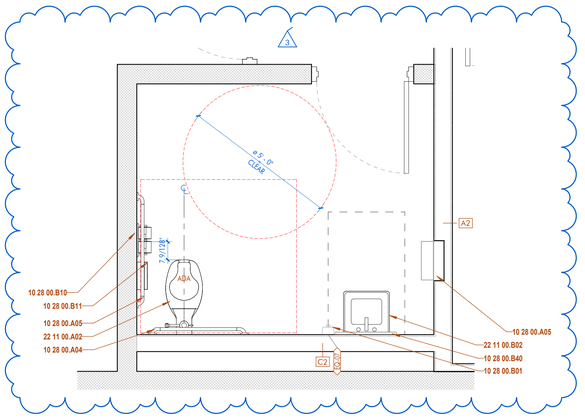
date NOVEMBER 6, 2025

ENLARGED FLOOR PLANS- BLDG A

A3.101

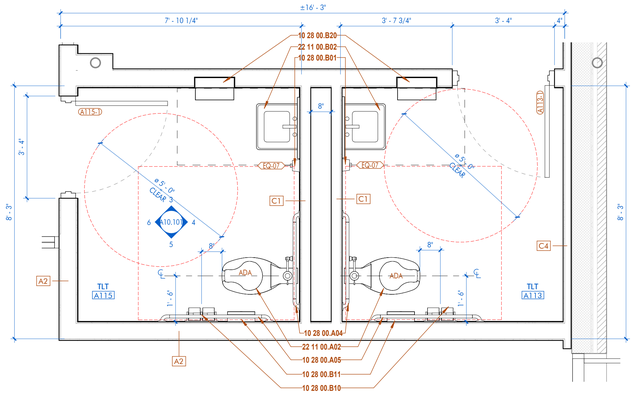
SHEET KEYNOTE LIST

05 40 00.A05	6" METAL STUDS
05 40 00.B00	STEEL STUD TRACK; MATCH STUD SIZE
07 42 00.A02	PREFINISHED CONCEALED FASTENER METAL WALL PANEL
07 90 00.A01	BACKER ROD & SEALANT
08 11 13.A00	DOOR AS SCHEDULED
08 11 13.B01	PAINTED HOLLOW STEEL DOOR FRAME
08 41 13.C01	NEOPRENE SHIM AS REQUIRED
08 80 00.A02	1" CLEAR INSULATED GLASS
09 22 16.K03	5/8" GYPSUM WALLBOARD
09 22 16.L01	CORNER BEAD
10 28 00.A04	36" GRAB BAR
10 28 00.A05	42" GRAB BAR
10 28 00.B01	WALL-MOUNT LIQUID SOAP DISPENSER
10 28 00.B10	TOILET TISSUE DISPENSER
10 28 00.B11	SANITARY NAPKIN DISPOSAL
10 28 00.B20	COMBINATION PAPER TOWEL DISPENSER/WASTE RECEPTACLE
10 28 00.B40	FRAMED MIRROR
22 11 00.A02	FLUSH VALVE TOILET; ADA HEIGHT, RE: PLUMBING
22 11 00.B02	WALL MOUNT SINK, RE: PLUMBING



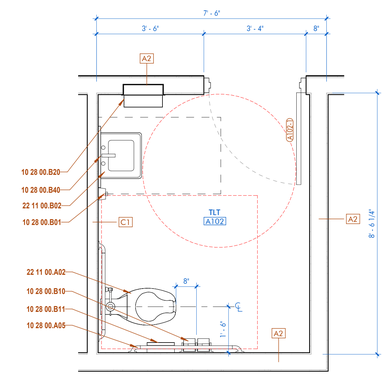
1 | ENLARGED PLAN- ADMIN RESTROOM-BLDG A

1/2" = 1'-0" DRAWN BY: SS



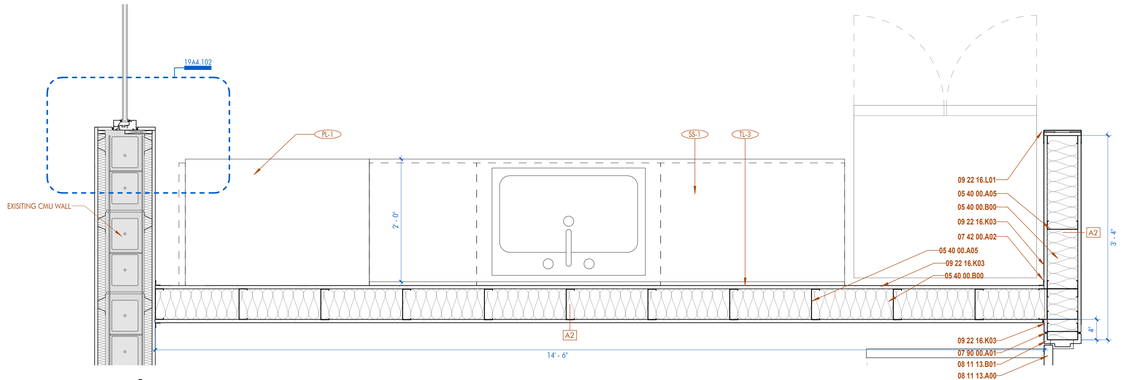
2 | ENLARGED PLAN - ADMIN RESTROOMS- BLDG A

1/2" = 1'-0" DRAWN BY: BM, SS



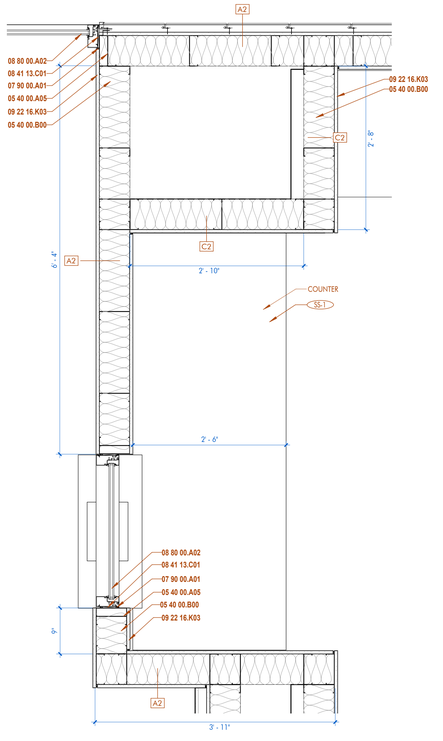
3 | ENLARGED PLAN - PARENT WAITING RESTROOM- BLDGA

1/2" = 1'-0" DRAWN BY: BM, SS



4 | PLAN DETAIL- INTERIOR WALLS @ BREAKROOM

1" = 1'-0" DRAWN BY: SS



5 | PLAN DETAIL - INTERIOR WALL @ PARENT WAITING

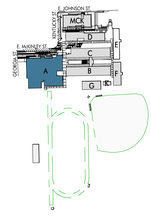
1" = 1'-0" DRAWN BY: SS

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd. suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.5771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE. LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT



RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

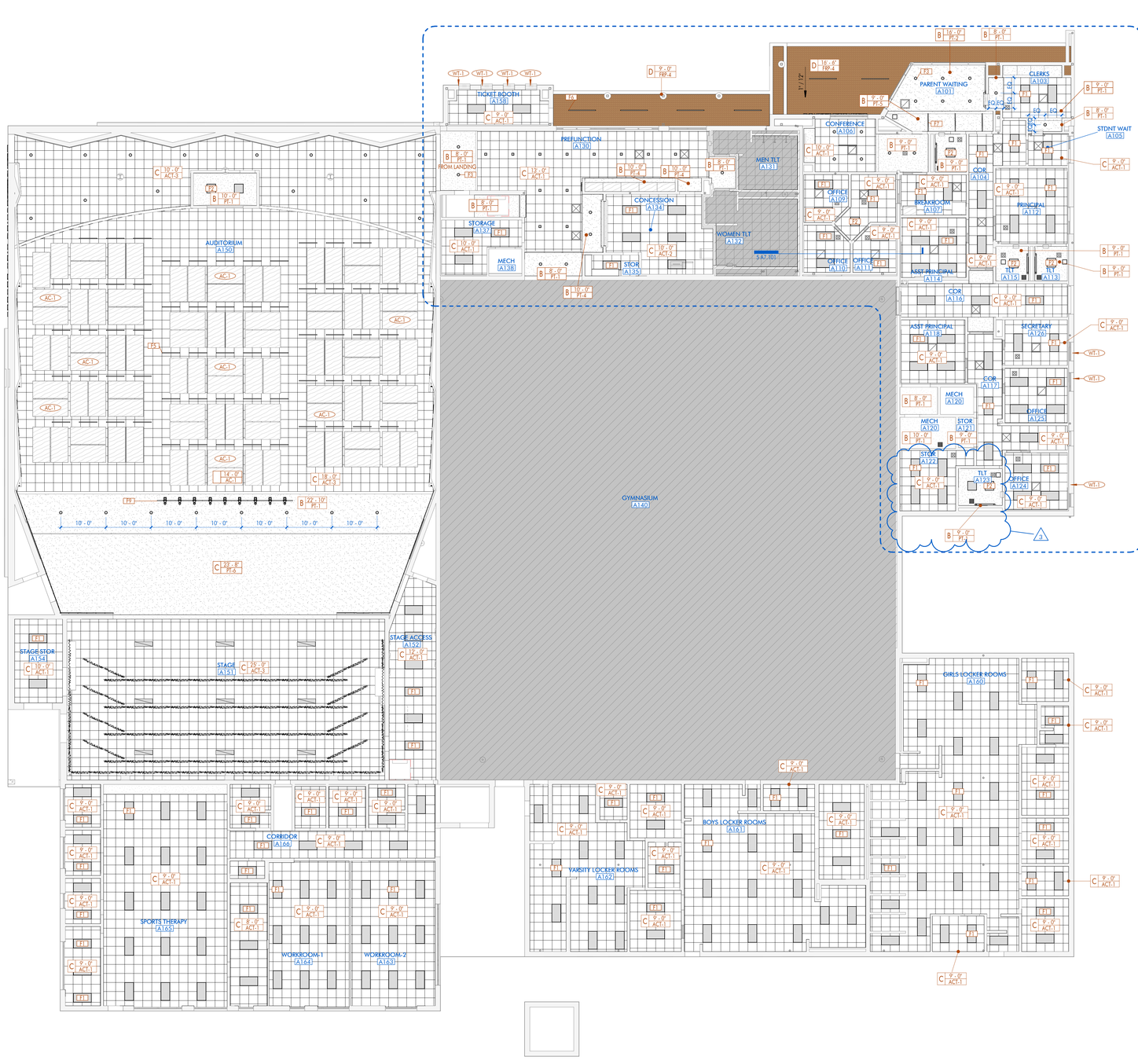
PROJECT INFORMATION

revisions No.	Description	Date
2	ADDENDUM 1 - CD SET	11-13-25

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

ENLARGED FLOOR PLANS & PLAN DETAILS - BLDG A

A3.102



1 1ST FLOOR RCP - NEW CONSTRUCTION- BLDG A

3/32" = 1'-0" DRAWN BY:

CEILING PLAN LEGEND

CEILING TYPE
CEILING HEIGHT ABOVE FINISH FLOOR
CEILING FINISH
ROOM NAME
ROOM DESIGNATION TAG

F1 RECESSED 2X4
F2 RECESSED 2X2
F3 RECESSED CAN- 6IN
F4 LINEAR HIGH BAY UTILITY LIGHT
F5 LINEAR PENDANT
F6 LINEAR RECESSED
F7 RECESSED 1X4
F8 WALL MOUNTED LINEAR PENDANT
F9 SPOT THEATER LIGHT
F10 RECESSED DOWNLIGHT
F11 12" RETURN DIFFUSER
F12 24" RETURN DIFFUSER
F13 12" SUPPLY DIFFUSER
F14 24" SUPPLY DIFFUSER
F15 ACCESS PANEL
F16 EXTERIOR CAN- 6IN
WAY CASSETTE INDOOR UNIT

CEILING PLAN LEGEND

NOTE: REFER TO FINISH LEGEND & SCHEDULE FOR FURTHER INFORMATION

A EXPOSED TO STRUCTURE
B PAINTED GYPSUM BOARD
C 2 X 2 SUSPENDED ACOUSTICAL TILE CEILING
D SOFFIT PANEL MTL-4

ARCHITECT

CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE

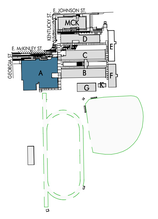
10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd. suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.3771

REGISTRATION

MICHAEL K. BURRAS Reg. No. 34,442 STATE OF LOUISIANA REGISTERED ARCHITECT

These drawings are the property of CHASM ARCHITECTURE, LLC/ DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only.
Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT



RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

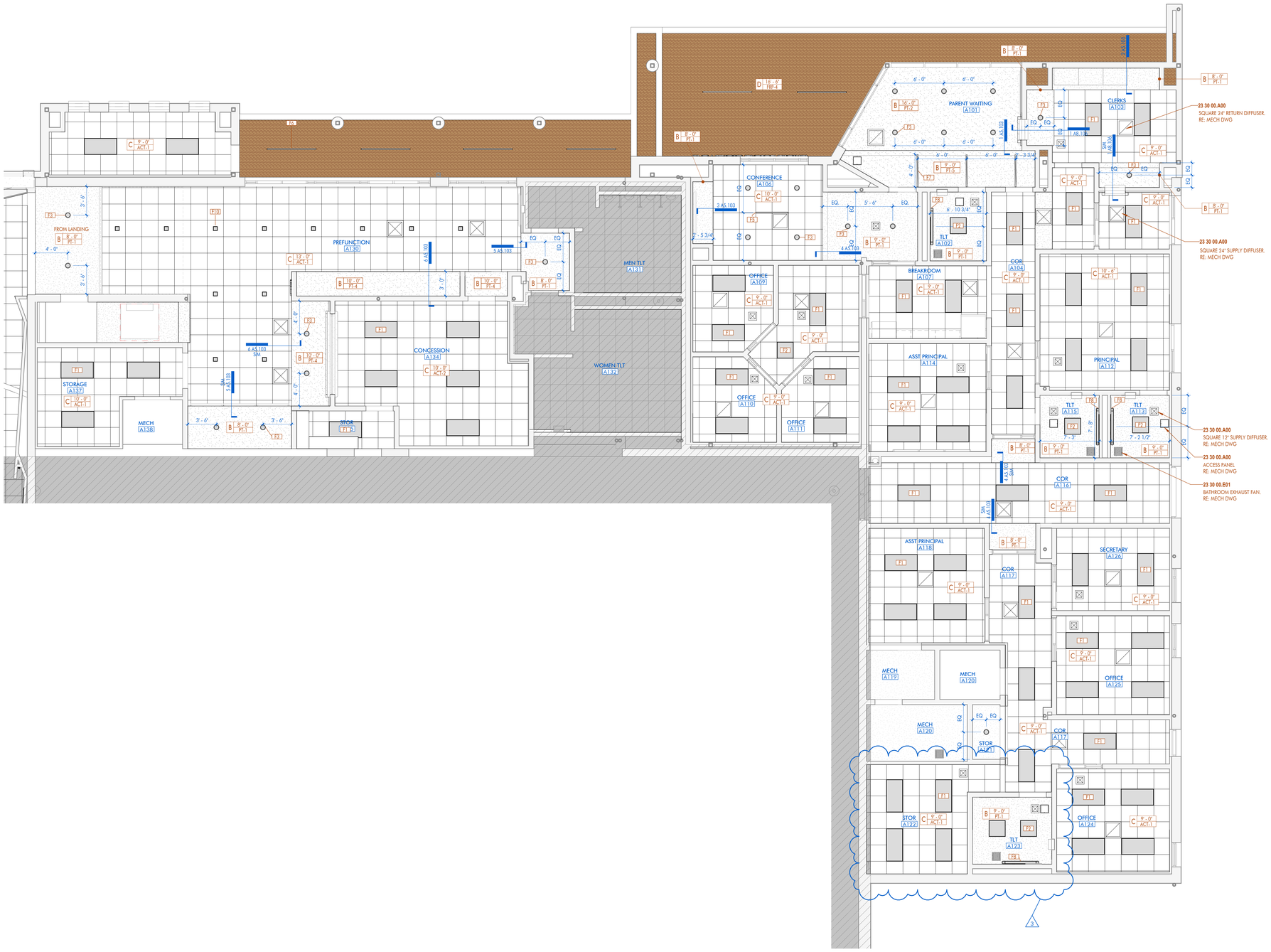
revisions No.	Description	Date
3	ADDENDUM 1 - CD SET	11-13-25

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

REFLECTED CEILING PLAN- BLDG A

A5.101

3 ADDENDUM 1 - CD SET
NOVEMBER 6, 2025



CEILING PLAN LEGEND

CEILING TYPE
A 9'-0" PT.1 — CEILING HEIGHT ABOVE FINISH FLOOR
CEILING FINISH
ROOM NAME 812 — ROOM DESIGNATION TAG

F1 RECESSED 2X4
F2 RECESSED 2X2
F3 RECESSED CAN- 6IN
F4 LINEAR HIGH BAY UTILITY LIGHT
F5 LINEAR PENDANT
F6 LINEAR RECESSED
F7 RECESSED 1X4
F8 WALL MOUNTED LINEAR PENDANT
F9 SPOT THEATER LIGHT
F10 RECESSED DOWNLIGHT
F11 12" RETURN DIFFUSER
F12 24" RETURN DIFFUSER
F13 12" SUPPLY DIFFUSER
F14 24" SUPPLY DIFFUSER
F15 ACCESS PANEL
F16 EXTERIOR CAN- 6IN
WAY CASSETTE INDOOR UNIT

CEILING PLAN LEGEND

NOTE: REFER TO FINISH LEGEND & SCHEDULE FOR FURTHER INFORMATION

A — EXPOSED TO STRUCTURE
B — PAINTED GYPSUM BOARD
C — 2 X 2 SUSPENDED ACOUSTICAL TILE CEILING
D — SOFFIT PANEL MTL-4

SHEET KEYNOTE LIST

SPEC NUMBER	KEYNOTE DESCRIPTION
23 30 00.A00	HVAC SYSTEM; RE: MECHANICAL
23 30 00.E01	TOILET EXHAUST FAN RE: MECHANICAL

1 1ST FLOOR ENLARGED RCP - NEW CONSTRUCTION- BLDG A
3/16" = 1'-0" DRAWN BY:

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 Riekenard rd, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd, suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.3771

REGISTRATION
STATE OF LOUISIANA — REGISTERED ARCHITECT — MICHAEL K. BURURA — Reg. No. 34,439
STATE OF LOUISIANA — REGISTERED ARCHITECT

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

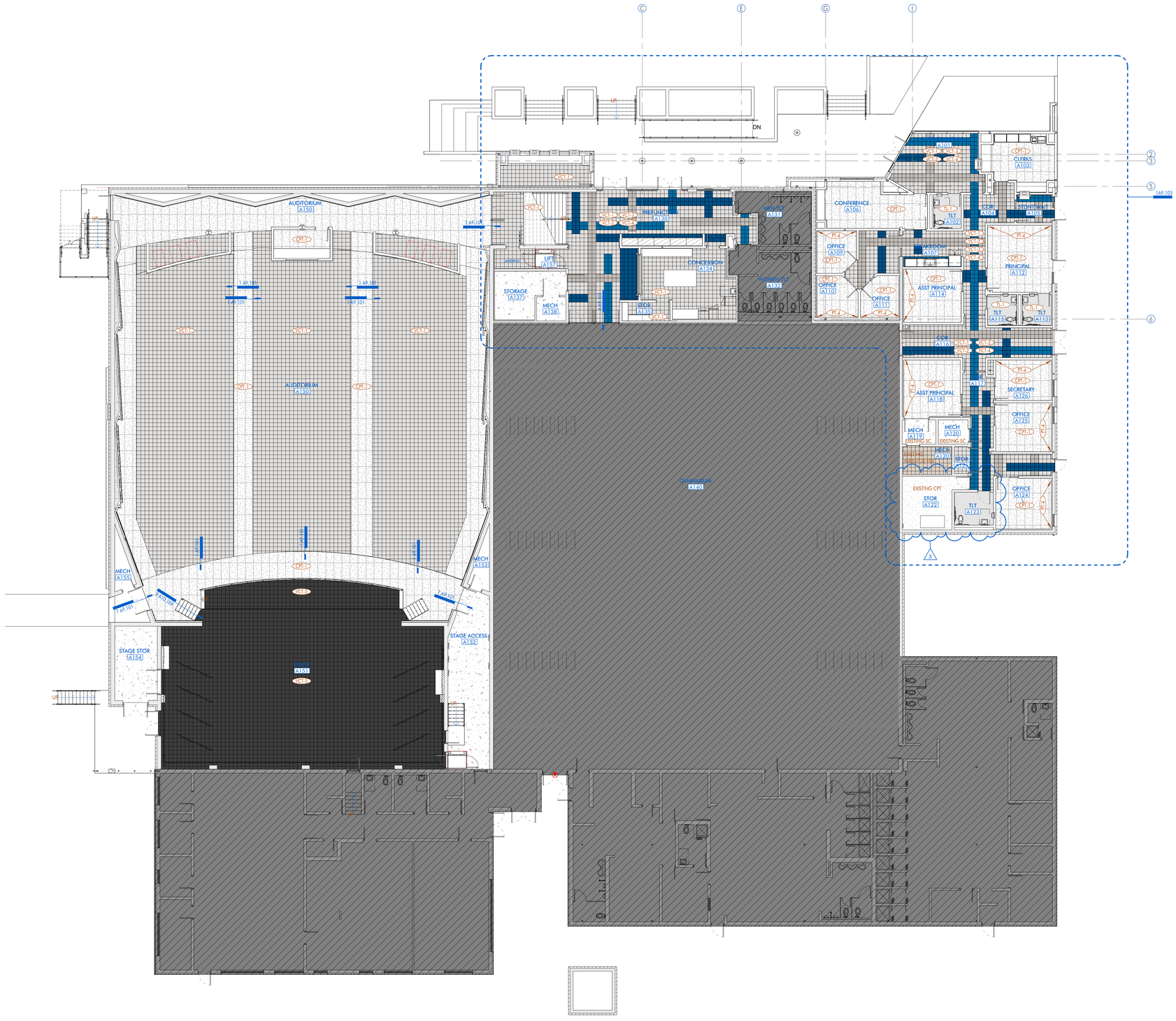
revisions No.	Description	Date
3	ADDENDUM 1 - CD SET	11-12-25

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

ENLARGED REFLECTED CEILING PLAN - BLDG A

A5.102

3. ADDENDUM 1 - CD SET
NOVEMBER 6, 2025



FINISH TYPES

NOTE: REFER TO FINISH LEGEND & SCHEDULE FOR FURTHER INFORMATION

CPT-1	CARPET
N/A	EXISTING VCT
VCT-1	VINYL COMPOSITION TILE
VCT-2	VINYL COMPOSITION TILE
VCT-3	VINYL COMPOSITION TILE
VCT-4	VINYL COMPOSITION TILE
VCT-5	VINYL COMPOSITION TILE
TL-1	PORECLAIN TILE
EF-1	EPOXY FLOORING
TZ-1	EXISTING TERRAZZO
SC-1	EXISTING SEALED CONCRETE
N.I.C.	NOT IN SCOPE

FINISH PLAN LEGEND

ROOM NAME [812] — ROOM DESIGNATION TAG

ACT-1 — FINISH / MATERIAL DESIGNATION TAG

1 1ST FLOOR - NEW CONSTRUCTION - FINISH PLAN- BLDG A

3/32" = 1'-0" DRAWN BY:

3 ADDENDUM 1 - CD SET

NOVEMBER 6, 2025

ARCHITECT

CHASM DOMAIN

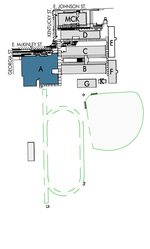
AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd. suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.5771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE, LLC/ DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT



RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
2	ADDENDUM 1 - CD SET	11-12-25

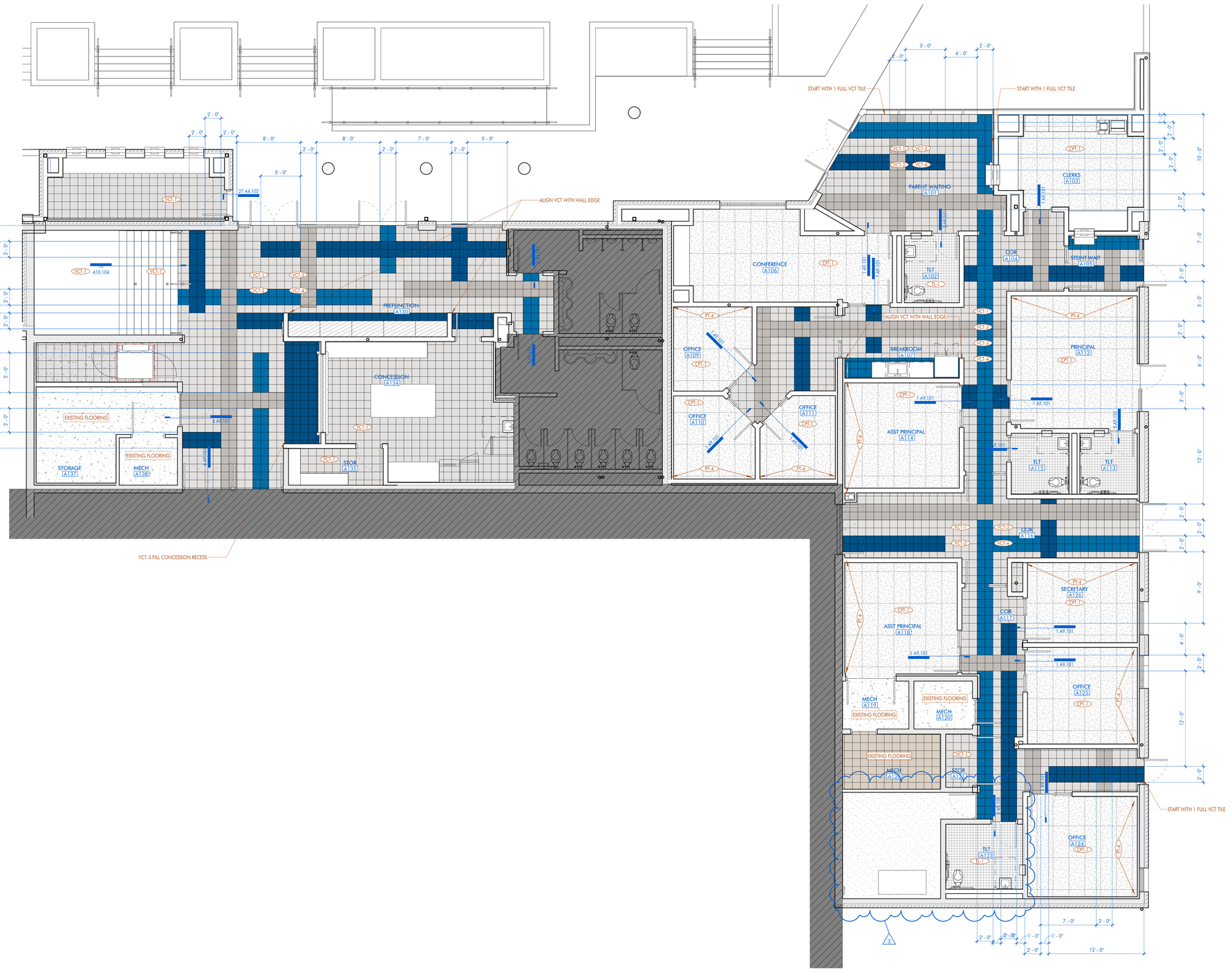
DA project # C24-0038

CA project # 24009

date NOVEMBER 6, 2025

FINISH PLAN- BLDG A

A9.102



FINISH TYPES

NOTE: REFER TO FINISH LEGEND & SCHEDULE FOR FURTHER INFORMATION

CPT-1	CARPET
N/A	EXISTING VCT
VCT-1	VINYL COMPOSITION TILE
VCT-2	VINYL COMPOSITION TILE
VCT-3	VINYL COMPOSITION TILE
VCT-4	VINYL COMPOSITION TILE
VCT-5	VINYL COMPOSITION TILE
TL-1	PORECLAIN TILE
EF-1	EPOXY FLOORING
TZ-1	EXISTING TERRAZZO
SC-1	EXISTING SEALED CONCRETE
N.I.C.	NOT IN SCOPE

FINISH PLAN LEGEND

ROOM NAME [812] — ROOM DESIGNATION TAG

ACT-1 — FINISH / MATERIAL DESIGNATION TAG

1 ENLARGED FINISH PLAN
3/16" = 1'-0" DRAWN BY:

ARCHITECT

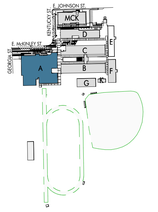
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd. suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.5771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only.
Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT



RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
3	ADDENDUM 1 - CD SET	11-12-25

DA project # C24-0038

CA project # 24009

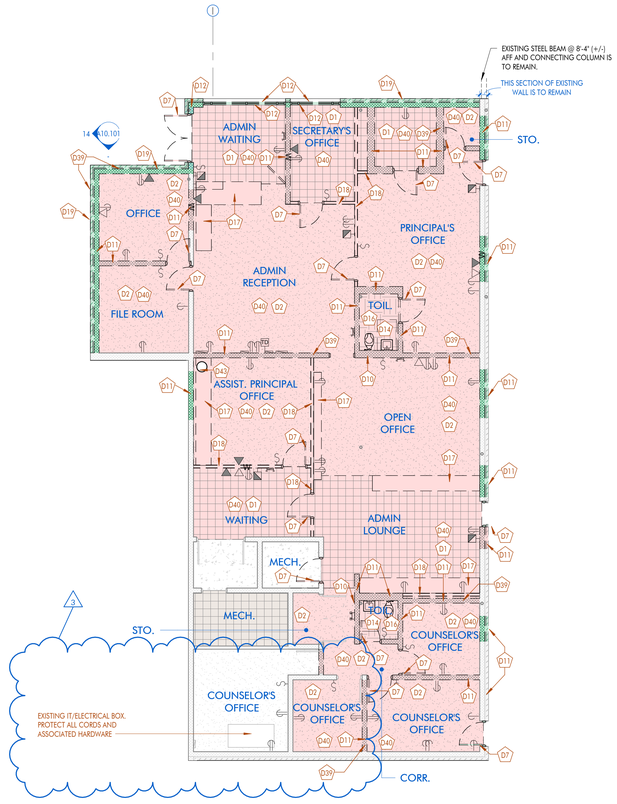
date NOVEMBER 6, 2025

ENLARGED FINISH PLAN- BLDG A

A9.103

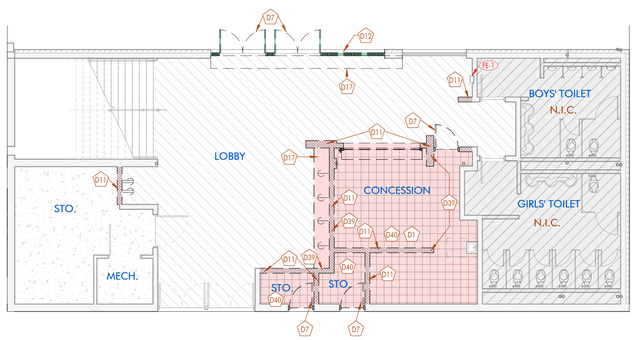
3 ADDENDUM 1 - CD SET

NOVEMBER 6, 2025



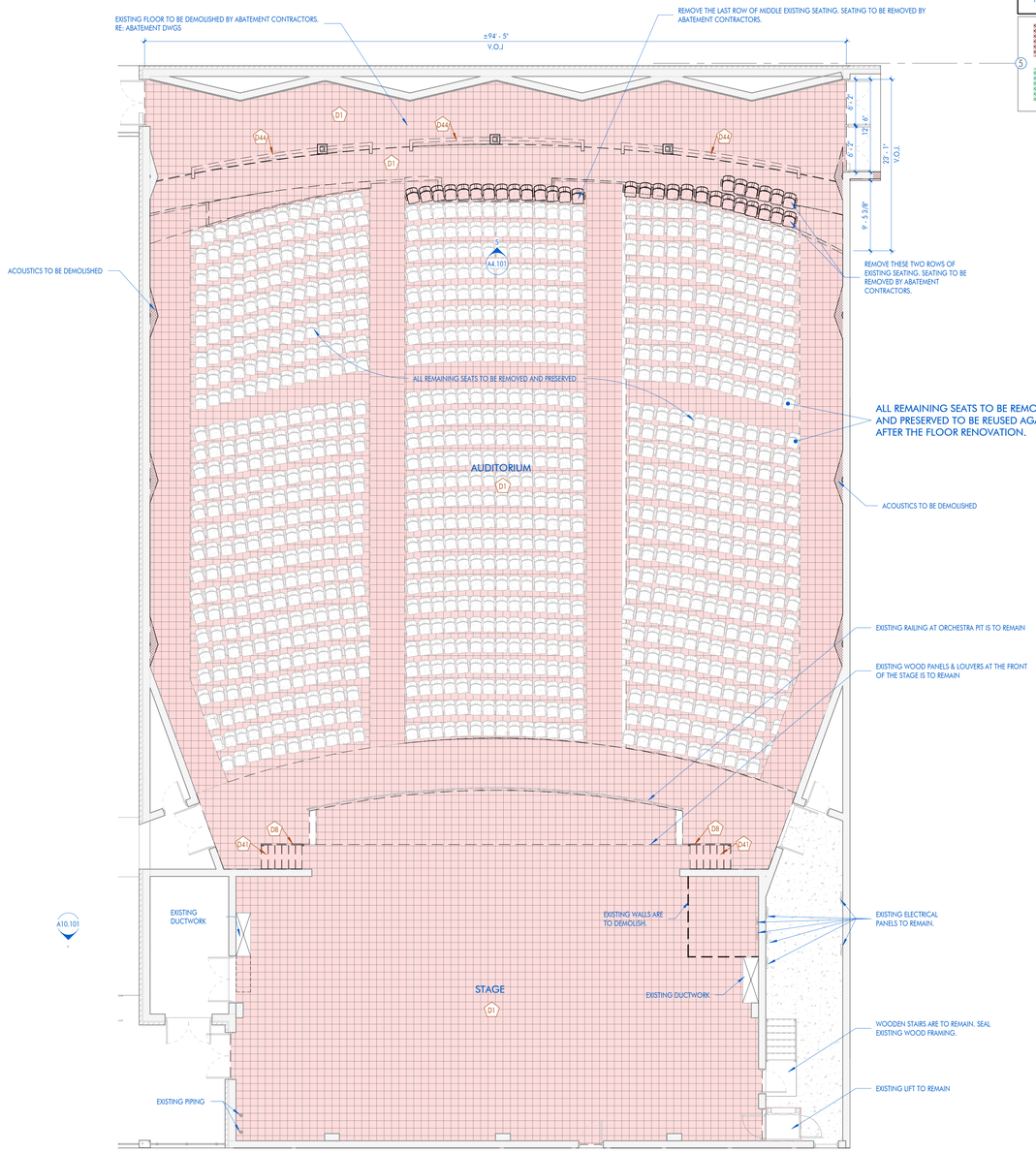
1 1ST FLOOR - DEMO BLDG A - ADMIN - BLDG A

1/8" = 1'-0" DRAWN BY: SS, BM



2 1ST FLOOR - DEMO - GYM/AUDITORIUM LOBBY - BLDG A

1/8" = 1'-0" DRAWN BY: BM, SS



3 1ST FLOOR - DEMO BLDG A - AUDITORIUM - BLDGA

1/8" = 1'-0" DRAWN BY: SS, BM

FLOOR PLAN LEGEND

- DOOR DESIGNATION TAG
- FINISH / MATERIAL DESIGNATION TAG
- WINDOW DESIGNATION TAG
- WALL DESIGNATION TAG
- REVISION DESIGNATION TAG
- ELEVATION DATUM HEIGHT DESIGNATION
- ROOM DESIGNATION TAG
- DETAIL DESIGNATION TAG
- INTERIOR ELEVATION DESIGNATION TAG
- EXTERIOR ELEVATION DESIGNATION TAG
- BUILDING / WALL / DETAIL SECTION DESIGNATION TAG
- DEMOLITION PHASE - 1
- DEMOLITION PHASE - 2

DEMOLITION NOTES

MARK	DESCRIPTION
D1	REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED ADHESIVES, BASE, AND TRANSITION STRIPS, DOWN TO THE SUBFLOOR
D2	REMOVE EXISTING CARPET AND CARPET PAD COMPLETELY, INCLUDING TACK STRIPS, ADHESIVES, TRANSITION STRIPS AND ANY FASTNERS OR ANCHORING MATERIALS, DOWN TO THE SUBFLOOR
D3	REMOVE EXISTING ACOUSTICAL CEILING TILES, SUSPENSION GRIDS, AND ALL ASSOCIATED SUPPORT COMPONENTS IN THEIR ENTIRETY.
D4	DISCONNECT AND REMOVE LIGHTING EXISTING WIRING SHALL BE GATHERED NEATLY AND ATTACHED TO THE NEAREST JUNCTION BOX REMAINING IN ORDER TO RECONNECT THE CIRCUIT TO THE NEW FIXTURE.
D5	REMOVE GYPSUM CEILING (ABOVE ACT CEILING) AND ASSOCIATED ASBESTOS-CONTAINING MATERIALS. RE: ENVIRONMENTAL.
D6	REMOVE EXISTING GYPSUM FURDOWN, INCLUDING METAL FRAMING, FASTNERS, SUPPORTS, AND ASSOCIATED FINISHES, BACK TO THE SURROUNDING STRUCTURE. REMOVE EXISTING ACOUSTICAL CEILING TILES, SUSPENSION GRIDS, AND ALL ASSOCIATED SUPPORT COMPONENTS IN THEIR ENTIRETY.
D7	REMOVE EXISTING DOOR LEAF, FRAME, HARDWARE, AND ASSOCIATED COMPONENTS IN THEIR ENTIRETY, INCLUDING HINGES, STRIKES, CLOSERS, STOPS AND ANCHORS
D8	REMOVE EXISTING HANDRAILS, BRACKETS, SUPPORTS, AND ASSOCIATED FASTNERS IN THEIR ENTIRETY FROM MOUNTING SURFACE.
D9	DISCONNECT AND REMOVE EXISTING HVAC UNIT, AND 2-PIPE HYDRONIC BRANCH PIPING, CONDENSATE PIPING. EXISTING CONDENSATE RISER TO REMAIN AND REUSED FOR NEW. IF APPLICABLE, REMOVE EXISTINGDUCTWORK IN ITS ENTIRETY AND CAP, INSULATE, SEAL ALL DUCT TERMINATING THROUGH EXISTING LOUVER.
D10	REMOVE EXISTING MARKERBOARDS AND TACKBOARDS, INCLUDING TRIM, MOUNTING HARDWARE, AND ACCESSORIES, IN A MANNER THAT PREVENTS DAMAGE TO THE BOARDS OR SURROUNDING FINISHES. LABEL AND STORE ALL COMPONENTS, INCLUDING BOARDS, TRIM, AND MOUNTING BRACKETS, IN A SECURE, DRY, AND PROTECTED LOCATION. PROTECT STORED ITEMS THROUGHOUT THE DURATION OOF CONSTRUCTION TO ENSURE THEY REMAIN IN GOOD CONDITION FOR FINAL REINSTALL.
D11	DEMOLISH EXISTING CMU WALL IN ITS ENTIRETY AS INDICATED ON THE DRAWINGS, INCLUDING ALL ASSOCIATED FINISHES, REINFORCING, GROUT, BOND BEAMS, EMBEDDED ITEMS, AND ADJACENT CONSTRUCTION AS REQUIRED.
D12	REMOVE EXISTING STOREFRONT WINDOWS, INCLUDING GLAZING, FRAMES, ANCHORS, AND RELATED COMPONENTS, WITHOUT DAMAGE TO SURROUNDING STRUCTURE OR FINISHES UNLESS OTHERWISE INDICATED.
D13	DISCONNECT AND REMOVE EXISTING WIRELESS ACCESS POINTS, SPEAKERS, AND OCCUPANCY SENSORS, INCLUDING ALL ASSOCIATED MOUNTING HARDWARE, BRACKETS, WIRING AND CONNECTORS. BACK TO NEAREST JUNCTION BOX.
D14	DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES, INCLUDING SINKS, TOILETS, URINALS, FAUCETS, LAVATORIES, AND ASSOCIATED HARDWARE, TRIM, AND SUPPORTS. CAP OR TERMINATE ALL WATER SUPPLY, DRAIN, WASTE, AND VENT LINES IN ACCORDANCE WITH PLUMBING CODES AND PROJECT REQUIREMENTS TO PREVENT LEAKS OR CONTAMINATION.
D15	REMOVE ALL EXISTING LOCKERS, INCLUDING HARDWARE, MOUNTING BRACKETS, AND ACNORAGE SYSTEMS. DEMOLISH EXISTING CMU CURBS COMPLETELY, INCLDUING GROUT, REINFORCING, AND ANY ASSOCIATED BLOCKING OR SUPPORTS.
D16	REMOVE EXISTING EPOXY FLOORING SYSTEM IN ITS ENTIRETY DOWN TO THE ORIGIINAL CONCRETE SUBSTRATE. INCLUDES GRINDING OR OTHER APPROPRIATE MECHANICAL MEANS NECESSARY TO FULLY REMOVE ALL COATING MATERIALS, ADHESIVES, AND SURFACE CONTAMINATES.
D17	REMOVE EXISTING MILLWORK, INCLUDING CABINETS, COUNTERTOPS, SHELVING, TRIM AND ASSOCIATE SUPPORTS IN THEIR ENTIRETY.
D18	DEMOLISH EXISTING METAL STUD WALL, INCLUDING ALL ASSOCIATED GYPSUM BOARD, INSULATION, FASTNERS, AND RELATED FINISHES, AS INDICATED ON THE DRAWINGS. ALL UTILITY SERVICES (ELECTRICAL, DATA, PLUMBING ETC) WITHIN OR ATTACHED TO THE WALL SHALL BE IDENTIFIED, DISCONNECTED, AND TERMINATED PROIR TO DEMOLITION
D19	DEMOLISH EXISTING DOUBLE WYTHE BRICK WALL IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED MORTAR, TIES, AND EMBEDDED COMPONENTS. SEPARATE FROM ADJACENT CONSTRUCTION AVOIDING DAMAGE TO REMAINING STRUCTURE.
D20	SAWCUT AND REMOVE EXISTING CONCRETE SLAB AND METAL DECKING AS INDICATED ON THE DRAWING. COORDINATE LIMITS OF REMOVAL WITH STRUCTURAL AND ARCHITECTURAL PLANS. PROTECT ADJACENT STRUCTURE AND SYSTEMS FROM DAMAGE DURING DEMOLITION. VERIFY THAT ANY STRUCTURAL ELEMENTS TO REMAIN ARE NOT COMPROMISE. PROVIDE TEMPORARY SHORING AS REQUIRED TO ENSURE SAFETY AND STRUCTURAL INTEGRITY DURING REMOVAL OPERATIONS.
D21	REMOVE EXISTING SUSPENDED ACOUSTIC CEILING PANELS AND ASSOCIATED SUSPENSION SYSTEM IN THEIR ENTIRETY.
D29	NOT USED
D33	DEMOLISH EXISTING 2-PIPE HYDRONIC MAINS ROUTED THROUGH CORRIDOR TO WHERE THE MAINS TERMINATE INTO THE BUILDING. PROVIDE SHUTOFF VALVE, CAP INSULATE REMAINING PIPE AT EXTERIOR WALL.
D34	DEMOLISH EXISTING DUCTWORK ABOVE CEILING AND CORRESPONDING CEILING DIFFUSERS THROUGHOUT THE SPACE.
D35	DEMOLISH DX SPLIT SYSTEM (AHU & CU) AND CORRESPONDING REFRIGERANT PIPING, CONDENSATE PIPING. IF APPLICABLE, REMOVE EXISTING DUCTWORK IN ITS ENTIRETY AND CAP, INSULATE, SEAL DUCT TERMINATING THROUGH EXISTING LOUVER
D36	DEMOLISH DX PACKAGED HVAC UNIT AND CORRESPONDING DUCTWORK IN ITS ENTIRETY. CAP, INSULATE, SEAL DUCT TERMINATING THROUGH EXISTING ENVELOPE.
D37	DEMOLISH DX MINI SYSTEM (FCU & CU) AND CORRESPONDING REFRIGERANT PIPING, CONDENSATE PIPING. INSULATE, SEAL ALL EXTERIOR PENETRATIONS TO MATCH EXISTING ENVELOPE.
D38	DEMOLISH EXISTING TOILET SEATS AND FLUSH VALVES. CAP CORRESPONDING WATER SUPPLY LINE. WATER CLOSET AND URINAL TO REMAIN AND TO BE REFURBISHED.
D39	EXISTING RECEPTACLE IN THE WALL TO BE DEMOLISHED. REMOVE RECEPTACLE AND JUCTION BOX REMOVE WIRING BACK TO THE NEAREST SOURCE. FOR CIRCUITS ROUTED ABOVE CEILING, EXISTING WIRING SHALL BE GATHERED NEATLY AND ATTACHED TO THE NEAREST JUCTION BOX REMAINING, IN ORDER TO RECONNECT THE CIRCUIT TO NEW OUTLETS. IN ANY CASE, NOTIFY A/E TEAM IF WIRING IS DISCONNECTED FROM ANY RECEPTACLE(S) DOWNSTREAM, DISCONNECTING FUTURE POWER TO THEM.
D40	REMOVE EXISTING RUBBER WALL BASE AS DESIGNATED IN THE PLAN. REMOVE ALL ASSOCIATED ADHESIVE RESIDUE TO PROVIDE A CLEAN, SMOOTH SURFACE.
D41	REMOVE WOOD STAIR, LANDING AND HANDRAILS.
D43	PROTECT EXISTING INTERNAL ROOF DRAIN PIPING DURING ALL DEMOLITION ACTIVITIES. COORDINATE PROTECTION MEASURES WITH THE ARCHITECT AND ENSURE CONTINUED FUNCTIONALITY THROUGHOUT CONSTRUCTION.
D44	REMOVE EXISTING KNEE WALL, WOOD FINISH PANELS, WOOD CAP AND FRAMING
D46	CAREFULLY REMOVE EXISTING PROJECTOR AND TURN OVER TO THE OWNER.

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd, suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.5771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE. LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
2	ADDENDUM 1 - CD SET	11-13-25

DA project # C24-0038

CA project # 24009

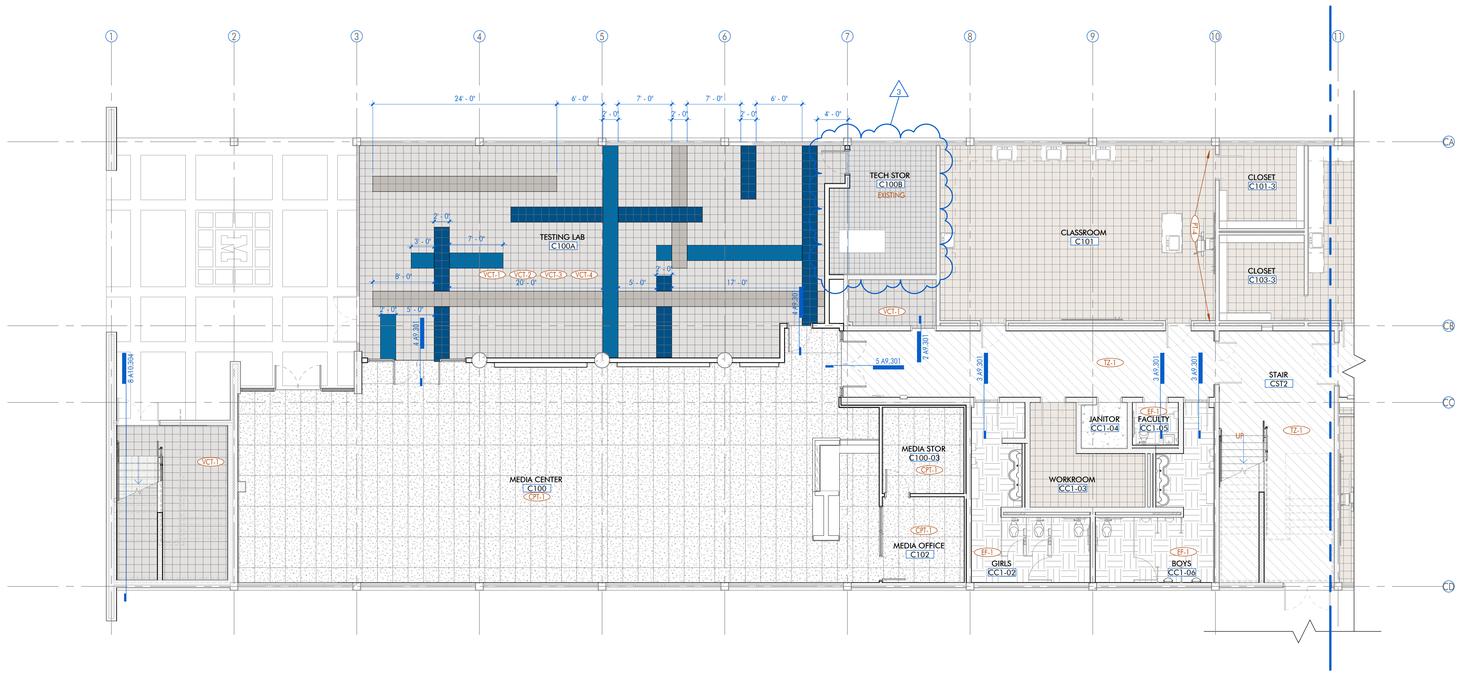
date NOVEMBER 6, 2025

ENLARGED DEMO PLANS - BLDG. A

D2.101

3 ADDENDUM 1 - CD SET

NOVEMBER 6, 2025



1 1ST FLOOR - FINISH PLAN - WEST- BLDG C

1/8" = 1'-0" DRAWN BY:

2 1ST FLOOR - FINISH PLAN - EAST- BLDG C

1/8" = 1'-0" DRAWN BY:

FINISH PLAN LEGEND

ROOM NAME [817] — ROOM DESIGNATION TAG

ACT-1 — FINISH / MATERIAL DESIGNATION TAG

FINISH TYPES

NOTE: REFER TO FINISH LEGEND & SCHEDULE FOR FURTHER INFORMATION

CPT-1	CARPET
N/A	EXISTING VCT
VCT-1	VINYL COMPOSITION TILE
VCT-2	VINYL COMPOSITION TILE
VCT-3	VINYL COMPOSITION TILE
VCT-4	VINYL COMPOSITION TILE
TL-1	PORECLAIN TILE
EF-1	EPOXY FLOORING
TZ-1	EXISTING TERRAZZO
SC-1	EXISTING SEALED CONCRETE

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10634 linkwood rd, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd. suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.5771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only.
Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING C

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
2	ADDENDUM 1 - CD SET	11-13-25

DA project # C24-0038

CA project # 24009

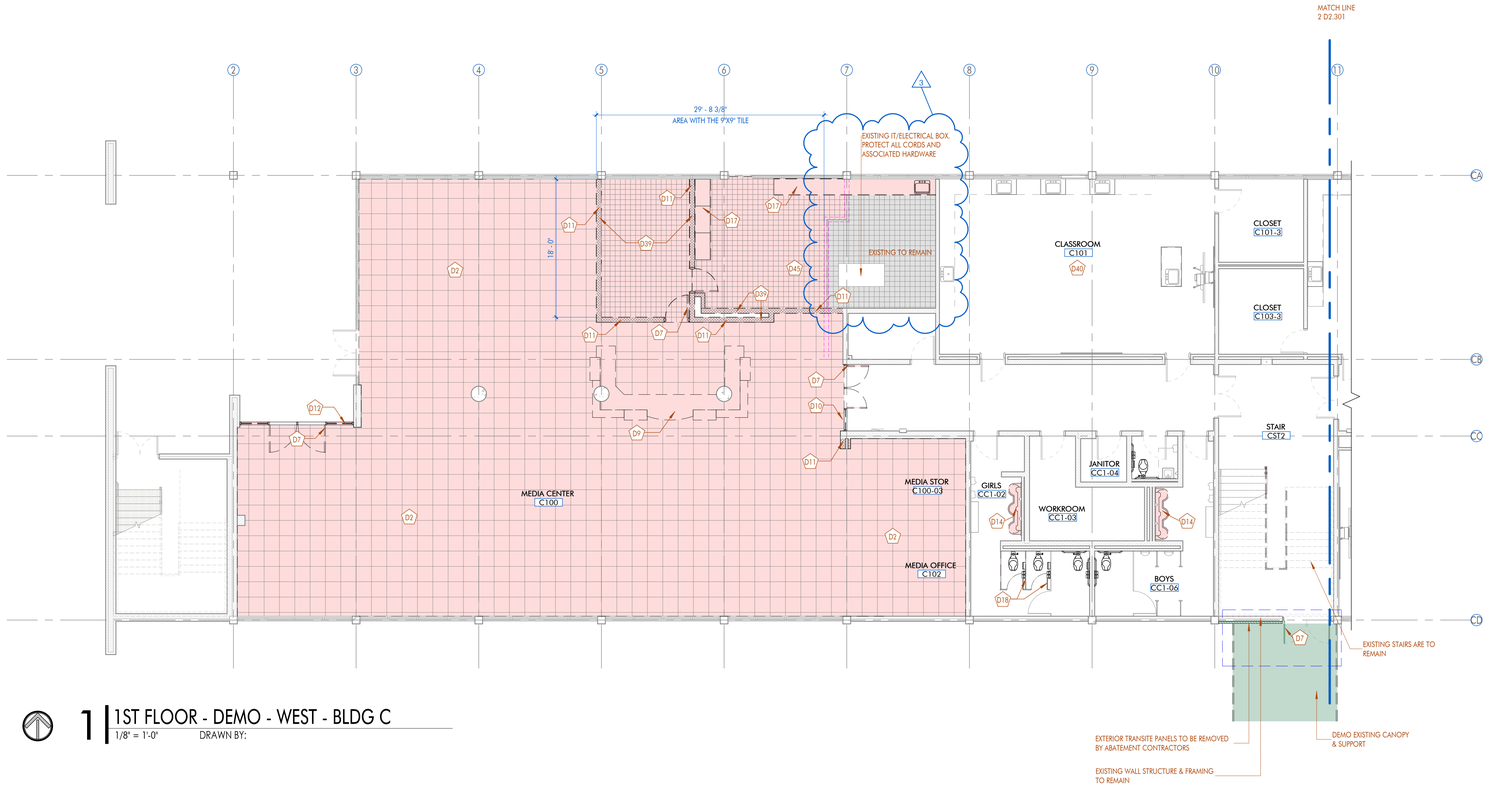
date NOVEMBER 6, 2025

1ST FLOOR FINISH PLAN- BLDG C

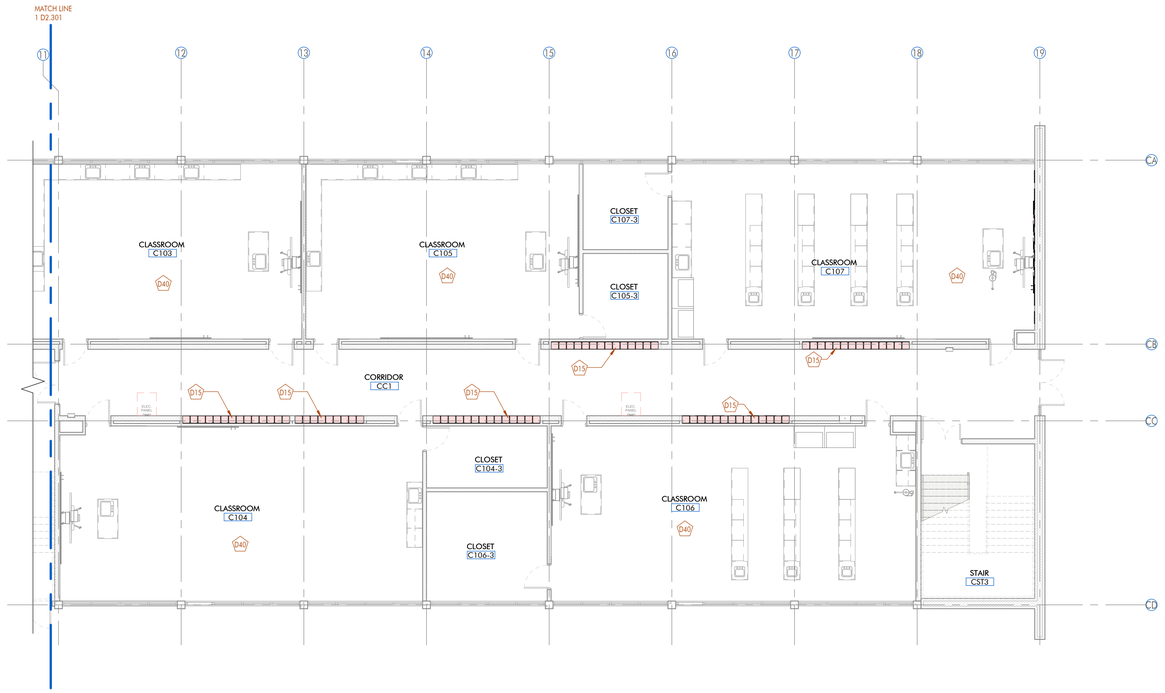
A9.302

3 ADDENDUM 1 - CD SET

NOVEMBER 6, 2025



1 1ST FLOOR - DEMO - WEST - BLDG C
1/8" = 1'-0" DRAWN BY:



2 1ST FLOOR - DEMO - EAST - BLDG C
1/8" = 1'-0" DRAWN BY:

FLOOR PLAN LEGEND

- 308-1 — DOOR DESIGNATION TAG
- ACT-1 — FINISH / MATERIAL DESIGNATION TAG
- W1 — WINDOW DESIGNATION TAG
- A1 — WALL DESIGNATION TAG
- 1 / 2X8 — REVISION DESIGNATION TAG
- 0' - 0" ELEVATION — ELEVATION DATUM HEIGHT DESIGNATION
- ROOM NAME / 812 — ROOM DESIGNATION TAG
- 8&A12.18 / SIM — DETAIL DESIGNATION TAG
- A10.11 / SIM — INTERIOR ELEVATION DESIGNATION TAG
- A6.01 — EXTERIOR ELEVATION DESIGNATION TAG
- 18 A10.12 / SIM — BUILDING / WALL / DETAIL SECTION DESIGNATION TAG
- DEMOLITION PHASE - 1
- DEMOLITION PHASE - 2

DEMOLITION NOTES

MARK	DESCRIPTION
D1	REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED ADHESIVES, BASE, AND TRANSITION STRIPS, DOWN TO THE SUBFLOOR
D2	REMOVE EXISTING CARPET AND CARPET PAD COMPLETELY, INCLUDING TACK STRIPS, ADHESIVES, TRANSITION STRIPS AND ANY FASTNERS OR ANCHORING MATERIALS, DOWN TO THE SUBFLOOR
D3	REMOVE EXISTING ACOUSTICAL CEILING TILES, SUSPENSION GRIDS, AND ALL ASSOCIATED SUPPORT COMPONENTS IN THEIR ENTIRETY.
D4	DISCONNECT AND REMOVE LIGHTING EXISTING WIRING SHALL BE GATHERED NEATLY AND ATTACHED TO THE NEAREST JUNCTION BOX REMAINING IN ORDER TO RECONNECT THE CIRCUIT TO THE NEW FIXTURE.
D5	REMOVE GYPSUM CEILING (ABOVE ACT CEILING) AND ASSOCIATED ASBESTOS-CONTAINING MATERIALS. RE: ENVIRONMENTAL
D6	REMOVE EXISTING GYPSUM FURDOWN, INCLUDING METAL FRAMING, FASTNERS, SUPPORTS, AND ASSOCIATED FINISHES, BACK TO THE SURROUNDING STRUCTURE. REMOVE EXISTING ACOUSTICAL CEILING TILES, SUSPENSION GRIDS, AND ALL ASSOCIATED SUPPORT COMPONENTS IN THEIR ENTIRETY.
D7	REMOVE EXISTING DOOR LEAF, FRAME, HARDWARE, AND ASSOCIATED COMPONENTS IN THEIR ENTIRETY, INCLUDING HINGES, STRIKES, CLOSERS, STOPS AND ANCHORS
D8	REMOVE EXISTING HANDRAILS, BRACKETS, SUPPORTS, AND ASSOCIATED FASTNERS IN THEIR ENTIRETY FROM MOUNTING SURFACE.
D9	DISCONNECT AND REMOVE EXISTING HVAC UNIT, AND 2-PIPE HYDRONIC BRANCH PIPING, CONDENSATE PIPING. EXISTING CONDENSATE RISER TO REMAIN AND REUSED FOR NEW. IF APPLICABLE, REMOVE EXISTINGDUCTWORK IN ITS ENTIRETY AND CAP, INSULATE, SEAL ALL DUCT TERMINATING THROUGH EXISTING LOUVER.
D10	REMOVE EXISTING MARKERBOARDS AND TACKBOARDS, INCLUDING TRIM, MOUNTING HARDWARE, AND ACCESSORIES, IN A MANNER THAT PREVENTS DAMAGE TO THE BOARDS OR SURROUNDING FINISHES. LABEL AND STORE ALL COMPONENTS, INCLUDING BOARDS, TRIM, AND MOUNTING BRACKETS, IN A SECURE, DRY, AND PROTECTED LOCATION. PROTECT STORED ITEMS THROUGHOUT THE DURATION O0F CONSTRUCTION TO ENSURE THEY REMAIN IN GOOD CONDITION FOR FINAL REINSTALL.
D11	DEMOLISH EXISTING CMU WALL IN ITS ENTIRETY AS INDICATED ON THE DRAWINGS, INCLUDING ALL ASSOCIATED FINISHES, REINFORCING, GROUT, BOND BEAMS, EMBEDDED ITEMS, AND ADJACENT CONSTRUCTION AS REQUIRED.
D12	REMOVE EXISTING STOREFRONT WINDOWS, INCLUDING GLAZING, FRAMES, ANCHORS, AND RELATED COMPONENTS, WITHOUT DAMAGE TO SURROUNDING STRUCTURE OR FINISHES UNLESS OTHERWISE INDICATED.
D13	DISCONNECT AND REMOVE EXISTING WIRELESS ACCESS POINTS, SPEAKERS, AND OCCUPANCY SENSORS, INCLUDING ALL ASSOCIATED MOUNTING HARDWARE, BRACKETS, WIRING AND CONNECTORS. BACK TO NEAREST JUNCTION BOX.
D14	DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES, INCLUDING SINKS, TOILETS, URINALS, FAUCETS, LAVATORIES, AND ASSOCIATED HARDWARE, TRIM, AND SUPPORTS. CAP OR TERMINATE ALL WATER SUPPLY, DRAIN, WASTE, AND VENT LINES IN ACCORDANCE WITH PLUMBING CODES AND PROJECT REQUIREMENTS TO PREVENT LEAKS OR CONTAMINATION.
D15	REMOVE ALL EXISTING LOCKERS, INCLUDING HARDWARE, MOUNTING BRACKETS, AND ACHORAGE SYSTEMS. DEMOLISH EXISTING CMU CURBS COMPLETELY, INCLDUING GROUT, REINFORCING, AND ANY ASSOCIATED BLOCKING OR SUPPORTS.
D16	REMOVE EXISTING EPOXY FLOORING SYSTEM IN ITS ENTIRETY DOWN TO THE ORIGIINAL CONCRETE SUBSTRATE. INCLUDES GRINDING OR OTHER APPROPRIATE MECHANICAL MEANS NECESSARY TO FULLY REMOVE ALL COATING MATERIALS, ADHESIVES, AND SURFACE CONTAMINATES.
D17	REMOVE EXISTING MILLWORK, INCLUDING CABINETS, COUNTERTOPS, SHELVING, TRIM AND ASSOCIATE SUPPORTS IN THEIR ENTIRETY.
D18	DEMOLISH EXISTING METAL STUD WALL, INCLUDING ALL ASSOCIATED GYPSUM BOARD, INSULATION, FASTNERS, AND RELATED FINISHES, AS INDICATED ON THE DRAWINGS. ALL UTILITY SERVICES (ELECTRICAL, DATA, PLUMBING ETC) WITHIN OR ATTACHED TO THE WALL SHALL BE IDENTIFIED, DISCONNECTED, AND TERMINATED PRIOR TO DEMOLITION.
D19	DEMOLISH EXISTING DOUBLE WYTHE BRICK WALL IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED MORTAR, TIES, AND EMBEDDED COMPONENTS. SEPARATE FROM ADJACENT CONSTRUCTION AVOIDING DAMAGE TO REMAINING STRUCTURE.
D20	SAWCUT AND REMOVE EXISTING CONCRETE SLAB AND METAL DECKING AS INDICATED ON THE DRAWINGS. COORDINATED LIMITS OF REMOVAL WITH STRUCTURAL AND ARCHITECTURAL PLANS. PROTECT ADJACENT STRUCTURE AND SYSTEMS FROM DAMAGE DURING DEMOLITION. VERIFY THAT ANY STRUCTURAL ELEMENTS TO REMAIN ARE NOT COMPROMISED. PROVIDE TEMPORARY SHORING AS REQUIRED TO ENSURE SAFETY AND STRUCTURAL INTEGRITY DURING REMOVAL OPERATIONS.
D21	REMOVE EXISTING SUSPENDED ACOUSTIC CEILING PANELS AND ASSOCIATED SUSPENSION SYSTEM IN THEIR ENTIRETY
D29	NOT USED
D33	DEMOLISH EXISTING 2-PIPE HYDRONIC MAINS ROUTED THROUGH CORRIDOR TO WHERE THE MAINS TERMINATE INTO THE BUILDING. PROVIDE SHUTOFF VALVE, CAP INSULATE REMAINING PIPE AT EXTERIOR WALL.
D34	DEMOLISH EXISTING DUCTWORK ABOVE CEILING AND CORRESPONDING CEILING DIFFUSERS THROUGHOUT THE SPACE.
D35	DEMOLISH DX SPLIT SYSTEM (AHU & CU) AND CORRESPONDING REFRIGERANT PIPING, CONDENSATE PIPING. IF APPLICABLE, REMOVE EXISTING DUCTWORK IN ITS ENTIRETY AND CAP, INSULATE, SEAL DUCT TERMINATING THROUGH EXISTING LOUVER
D36	DEMOLISH DX PACKAGED HVAC UNIT AND CORRESPONDING DUCTWORK IN ITS ENTIRETY. CAP, INSULATE, SEAL DUCT TERMINATING THROUGH EXISTING ENVELOPE.
D37	DEMOLISH DX MINI SYSTEM (FCU & CU) AND CORRESPONDING REFRIGERANT PIPING, CONDENSATE PIPING. INSULATE, SEAL ALL EXTERIOR PENETRATIONS TO MATCH EXISTING ENVELOPE.
D38	DEMOLISH EXISTING TOILET SEATS AND FLUSH VALVES. CAP CORRESPONDING WATER SUPPLY LINE. WATER CLOSET AND URINAL TO REMAIN AND TO BE REFURBISHED.
D39	EXISTING RECEPTACLE IN THE WALL TO BE DEMOLISHED. REMOVE RECEPATCLE AND JUCTION BOX REMOVE WIRING BACK TO THE NEAREST SOURCE. FOR CIRCUITS ROUTED ABOVE CEILING, EXISTING WIRING SHALL BE GATHERED NEATLY AND ATTACHED TO THE NEAREST JUCTION BOX REMAINING, IN ORDER TO RECONNECT THE CIRCUIT TO NEW OUTLETS. IN ANY CASE, NOTIFY A/E TEAM IF WIRING IS DISCONNECTED FROM ANY RECEPTACLE(S) DOWNSTREAM, DISCONNECTING FUTURE POWER TO THEM.
D40	REMOVE EXISTING RUBBER WALL BASE AS DESIGNATED IN THE PLAN. REMOVE ALL ASSOCIATED ADHESIVE RESIDUE TO PROVIDE A CLEAN, SMOOTH SURFACE.
D41	REMOVE WOOD STAIR, LANDING AND HANDRAILS.
D45	EXISTING FLOORING IS TO BE REMOVED / ABATED BY ABATEMENT CONTRACTOR. CONTRACTOR TO CLEAN & PREP EXISTING SUBFLOOR FOR NEW FLOORING.
D46	CAREFULLY REMOVE EXISTING PROJECTOR AND TURN OVER TO THE OWNER.
D47	REMOVE & SALVAGE EXISTING FIRE ALARM DEVICE TO BE REINSTALLED IN THE NEW CEILING. EXISTING WIRING SHALL BE GATHERED NEATLY AND ATTACHED TO THE NEAREST JUNCTION BOX REMAINING IN ORDER TO RECONNECT TO DEVICE WHEN REINSTALLED.
D48	REMOVE & SALVAGE EXISTING CEILING MOUNTED WIFI DEVICE. EXISTING EIRING SHALL BE GATHERED NEATLY AND ATTACHED TO THE NEAREST JUNCTION BOX (OR WALL) REMAINING IN ORDER TO RECONNECT DEVICE WHEN REINSTALLED.

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd. suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.5771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE. LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING C

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
3	ADDENDUM 1 - CD SET	11-12-25

DA project # C24-0038

CA project # 24009

date NOVEMBER 6, 2025

ENLARGED DEMO 1ST FLOORPLAN- BLDG C

D2.301

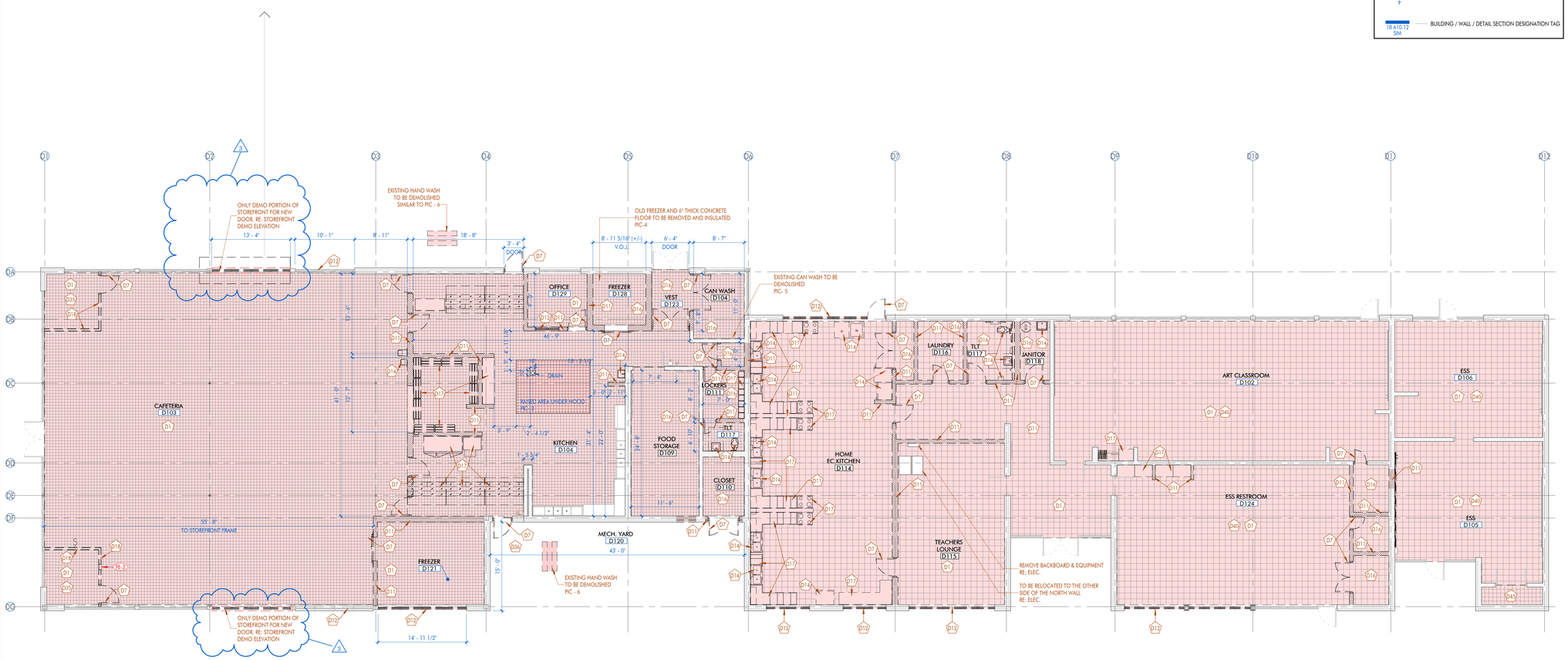
3 ADDENDUM 1 - CD SET

NOVEMBER 6, 2025

0"
1ST FLOOR

2 | STOREFRONT DEMO

1/4" = 1'-0" DRAWN BY: SS



1 | 1ST FLOOR - DEMO - WEST - BLDG D

1/8" = 1'-0" DRAWN BY: SS

PIC- 3
RAISED AREA UNDER HOOD

PIC- 4
REMOVE EXISTING FREEZER & 6" THK CONCRETE FLOOR AT THE FREEZER

PIC- 5
EXISTING CAN WASH

PIC- 6
EXISTING HAND WASH

FLOOR PLAN LEGEND

- 808.1 — DOOR DESIGNATION TAG
- FINISH / MATERIAL DESIGNATION TAG
- W1 — WINDOW DESIGNATION TAG
- A1 — WALL DESIGNATION TAG
- 8/8 — REVISION DESIGNATION TAG
- 0' - 0" ELEVATION — ELEVATION DATUM HEIGHT DESIGNATION
- ROOM NAME [812] — ROOM DESIGNATION TAG
- 8&A12.18 SIM — DETAIL DESIGNATION TAG
- A10.11 SIM — INTERIOR ELEVATION DESIGNATION TAG
- A6.01 — EXTERIOR ELEVATION DESIGNATION TAG
- 18.A10.12 SIM — BUILDING / WALL / DETAIL SECTION DESIGNATION TAG

DEMOLITION NOTES

MARK	DESCRIPTION
D1	REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED ADHESIVES, BASE, AND TRANSITION STRIPS, DOWN TO THE SUBFLOOR
D2	REMOVE EXISTING CARPET AND CARPET PAD COMPLETELY, INCLUDING TACK STRIPS, ADHESIVES, TRANSITION STRIPS AND ANY FASTNERS OR ANCHORING MATERIALS, DOWN TO THE SUBFLOOR
D3	REMOVE EXISTING ACOUSTICAL CEILING TILES, SUSPENSION GRIDS, AND ALL ASSOCIATED SUPPORT COMPONENTS IN THEIR ENTIRETY.
D4	DISCONNECT AND REMOVE LIGHTING.EXISTING WIRING SHALL BE GATHERED NEATLY AND ATTACHED TO THE NEAREST JUNCTION BOX REMAINING IN ORDER TO RECONNECT THE CIRCUIT TO THE NEW FIXTURE.
D5	REMOVE GYPSUM CEILING (ABOVE ACT CEILING) AND ASSOCIATED ASBESTOS-CONTAINING MATERIALS. RE: ENVIRONMENTAL
D6	REMOVE EXISTING GYPSUM FURDOWN, INCLUDING METAL FRAMING, FASTNERS, SUPPORTS, AND ASSOCIATED FINISHES, BACK TO THE SURROUNDING STRUCTURE. REMOVE EXISTING ACOUSTICAL CEILING TILES, SUSPENSION GRIDS, AND ALL ASSOCIATED SUPPORT COMPONENTS IN THEIR ENTIRETY.
D7	REMOVE EXISTING DOOR LEAF, FRAME, HARDWARE, AND ASSOCIATED COMPONENTS IN THEIR ENTIRETY, INCLUDING HINGES, STRIKES, CLOSERS, STOPS AND ANCHORS
D8	REMOVE EXISTING HANDRAILS, BRACKETS, SUPPORTS, AND ASSOCIATED FASTNERS IN THEIR ENTIRETY FROM MOUNTING SURFACE.
D9	DISCONNECT AND REMOVE EXISTING HVAC UNIT, AND 2-PIPE HYDRONIC BRANCH PIPING, CONDENSATE PIPING. EXISTING CONDENSATE RISER TO REMAIN AND REUSED FOR NEW. IF APPLICABLE, REMOVE EXISTINGDUCTWORK IN ITS ENTIRETY AND CAP, INSULATE, SEAL ALL DUCT TERMINATING THROUGH EXISTING LOUVER.
D10	REMOVE EXISTING MARKERBOARDS AND TACKBOARDS, INCLUDING TRIM, MOUNTING HARDWARE, AND ACCESSORIES, IN A MANNER THAT PREVENTS DAMAGE TO THE BOARDS OR SURROUNDING FINISHES. LABEL AND STORE ALL COMPONENTS, INCLUDING BOARDS, TRIM, AND MOUNTING BRACKETS, IN A SECURE, DRY, AND PROTECTED LOCATION. PROTECT STORED ITEMS THROUGHOUT THE DURATION OOF CONSTRUCTION TO ENSURE THEY REMAIN IN GOOD CONDITION FOR FINAL REINSTALL.
D11	DEMOLISH EXISTING CMU WALL IN ITS ENTIRETY AS INDICATED ON THE DRAWINGS, INCLUDING ALL ASSOCIATED FINISHES, REINFORCING, GROUT, BOND BEAMS, EMBEDDED ITEMS, AND ADJACENT CONSTRUCTION AS REQUIRED.
D12	REMOVE EXISTING STOREFRONT WINDOWS, INCLUDING GLAZING, FRAMES, ANCHORS, AND RELATED COMPONENTS, WITHOUT DAMAGE TO SURROUNDING STRUCTURE OR FINISHES UNLESS OTHERWISE INDICATED.
D13	DISCONNECT AND REMOVE EXISTING WIRELESS ACCESS POINTS, SPEAKERS, AND OCCUPANCY SENSORS, INCLUDING ALL ASSOCIATED MOUNTING HARDWARE, BRACKETS, WIRING AND CONNECTORS, BACK TO NEAREST JUNCTION BOX.
D14	DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES, INCLUDING SINKS, TOILETS, URINALS, FAUCETS, LAVATORIES, AND ASSOCIATED HARDWARE, TRIM, AND SUPPORTS. CAP OR TERMINATE ALL WATER SUPPLY, DRAIN, WASTE, AND VENT LINES IN ACCORDANCE WITH PLUMBING CODES AND PROJECT REQUIREMENTS TO PREVENT LEAKS OR CONTAMINATION.
D15	REMOVE ALL EXISTING LOCKERS, INCLUDING HARDWARE, MOUNTING BRACKETS, AND ACHORAGE SYSTEMS. DEMOLISH EXISTING CMU CURBS COMPLETELY, INCLUDING GROUT, REINFORCING, AND ANY ASSOCIATED BLOCKING OR SUPPORTS.
D16	REMOVE EXISTING EPOXY FLOORING SYSTEM IN ITS ENTIRETY DOWN TO THE ORIGIINAL CONCRETE SUBSTRATE. INCLUDES GRINDING OR OTHER APPROPRIATE MECHANICAL MEANS NECESSARY TO FULLY REMOVE ALL COATING MATERIALS, ADHESIVES, AND SURFACE CONTAMINATES.
D17	REMOVE EXISTING MILLWORK, INCLUDING CABINETS, COUNTERTOPS, SHELVING, TRIM AND ASSOCIATE SUPPORTS IN THEIR ENTIRETY.
D18	DEMOLISH EXISTING METAL STUD WALL, INCLUDING ALL ASSOCIATED GYPSUM BOARD, INSULATION, FASTNERS, AND RELATED FINISHES, AS INDICATED ON THE DRAWINGS. ALL UTILITY SERVICES (ELECTRICAL, DATA, PLUMBING ETC) WITHIN OR ATTACHED TO THE WALL SHALL BE IDENTIFIED, DISCONNECTED, AND TERMINATED PRIOR TO DEMOLITION
D19	DEMOLISH EXISTING DOUBLE WYTHE BRICK WALL IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED MORTAR, TIES, AND EMBEDDED COMPONENTS. SEPARATE FROM ADJACENT CONSTRUCTION AVOIDING DAMAGE TO REMAINING STRUCTURE.
D20	SAWCUT AND REMOVE EXISTING CONCRETE SLAB AND METAL DECKING AS INDICATED ON THE DRAWINGS. COORDINATED LIMITS OF REMOVAL WITH STRUCTURAL AND ARCHITECTURAL PLANS. PROTECT ADJACENT STRUCTURE AND SYSTEMS FROM DAMAGE DURING DEMOLITION. VERIFY THAT ANY STRUCTURAL ELEMENTS TO REMAIN ARE NOT COMPROMISED. PROVIDE TEMPORARY SHORING AS REQUIRED TO ENSURE SAFETY AND STRUCTURAL INTEGRITY DURING REMOVAL OPERATIONS.
D21	REMOVE EXISTING SUSPENDED ACOUSTIC CEILING PANELS AND ASSOCIATED SUSPENSION SYSTEM IN THEIR ENTIRETY
D29	NOT USED
D33	DEMOLISH EXISTING 2-PIPE HYDRONIC MAINS ROUTED THROUGH CORRIDOR TO WHERE THE MAINS TERMINATE INTO THE BUILDING. PROVIDE SHUTOFF VALVE, CAP INSULATE REMAINING PIPE AT EXTERIOR WALL.
D34	DEMOLISH EXISTING DUCTWORK ABOVE CEILING AND CORRESPONDING CEILING DIFFUSERS THROUGHOUT THE SPACE.
D35	DEMOLISH DX SPLIT SYSTEM (AHU & CU) AND CORRESPONDING REFRIGERANT PIPING, CONDENSATE PIPING. IF APPLICABLE, REMOVE EXISTING DUCTWORK IN ITS ENTIRETY AND CAP, INSULATE, SEAL DUCT TERMINATING THROUGH EXISTING LOUVER
D36	DEMOLISH DX PACKAGED HVAC UNIT AND CORRESPONDING DUCTWORK IN ITS ENTIRETY. CAP, INSULATE, SEAL DUCT TERMINATING THROUGH EXISTING ENVELOPE.
D37	DEMOLISH DX MINI SYSTEM (FCU & CU) AND CORRESPONDING REFRIGERANT PIPING, CONDENSATE PIPING. INSULATE, SEAL ALL EXTERIOR PENETRATIONS TO MATCH EXISTING ENVELOPE.
D38	DEMOLISH EXISTING TOILET SEATS AND FLUSH VALVES. CAP CORRESPONDING WATER SUPPLY LINE. WATER CLOSET AND URINAL TO REMAIN AND TO BE REFURBISHED.
D39	EXISTING RECEPTACLE IN THE WALL TO BE DEMOLISHED. REMOVE RECEPATCLE AND JUCTION BOX REMOVE WIRING BACK TO THE NEAREST SOURCE. FOR CIRCUITS ROUTED ABOVE CEILING, EXISTING WIRING SHALL BE GATHERED NEATLY AND ATTACHED TO THE NEAREST JUCTION BOX REMAINING. IN ORDER TO RECONNECT THE CIRCUIT TO NEW OUTLETS. IN ANY CASE, NOTIFY A/E TEAM IF WIRING IS DISCONNECTED FROM ANY RECEPTACLE(S) DOWNSTREAM, DISCONNECTING FUTURE POWER TO THEM.
D40	REMOVE EXISTING RUBBER WALL BASE AS DESIGNATED IN THE PLAN. REMOVE ALL ASSOCIATED ADHESIVE RESIDUE TO PROVIDE A CLEAN, SMOOTH SURFACE
D41	REMOVE WOOD STAIR, LANDING AND HANDRAILS.
D45	EXISTING FLOORING IS TO BE REMOVED / ABATED BY ABATEMENT CONTRACTOR. CONTRACTOR TO CLEAN & PREP EXISTING SUBFLOOR FOR NEW FLOORING.

ARCHITECT

CHASM DOMAIN

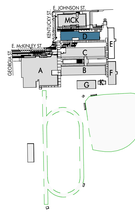
AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t. 225.927.1008 f. 404.305.8868
11150 industriplex blvd. suite 200
baton rouge, la 70809
t. 225.216.5770 f. 225.216.3771

REGISTRATION

These drawings are the property of CHASM ARCHITECTURE. LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT



RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING D

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
2	ADDENDUM 1 - CD SET	11-13-25

DA project # C24-0038

CA project # 24009

date NOVEMBER 6, 2025

DEMO - 1ST FLOOR- BLDG. D

D2.401

3 ADDENDUM 1 - CD SET

NOVEMBER 6, 2025

BUILDING 03/C- FLOOR MATERIALS

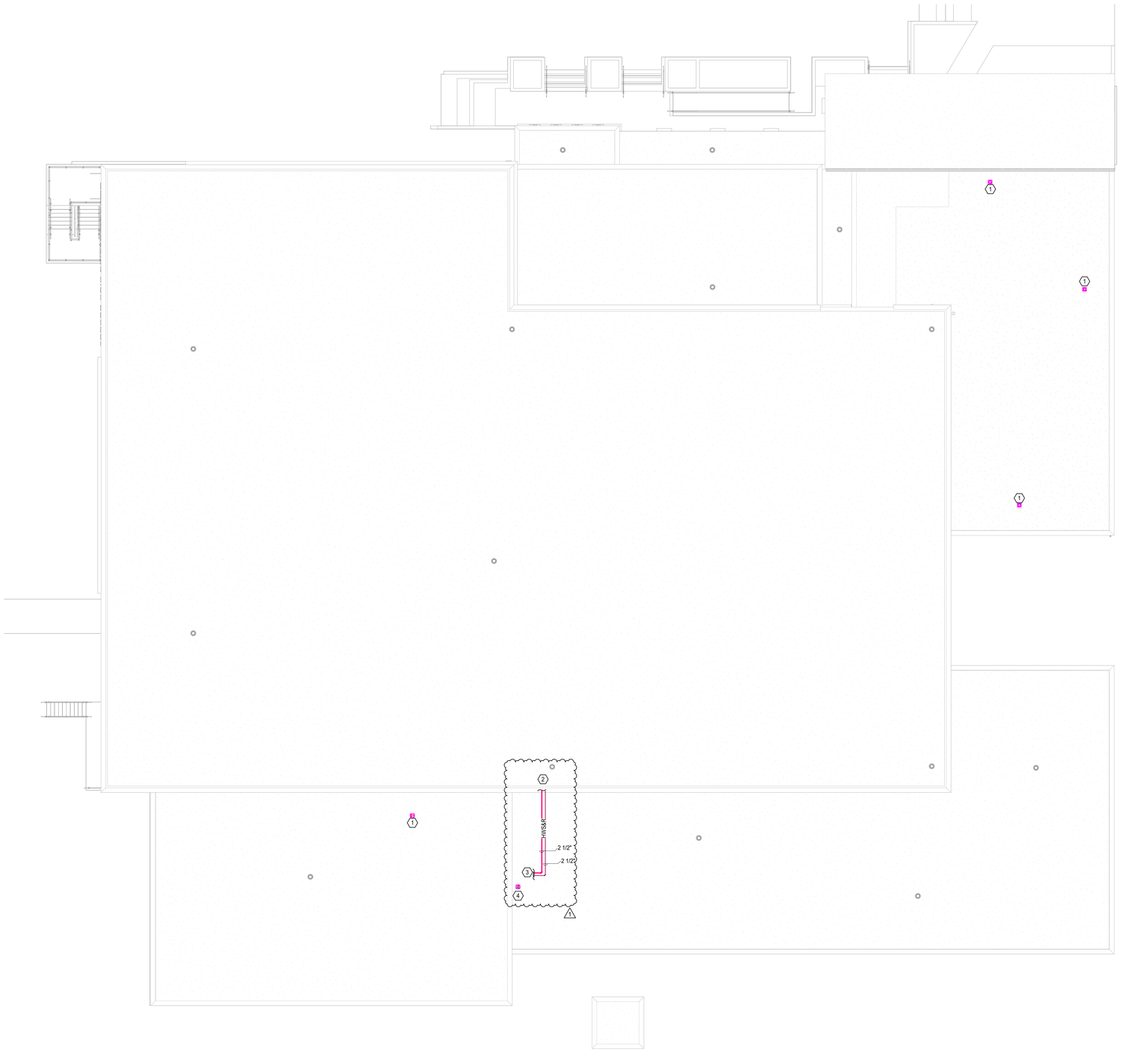
Removal of approx. 6,700 square feet of ACM FT & Black Mastic under new 12" FT or Carpet.

Removal of approx. 500 square feet of single layered ACM Floor Tile and Black Mastic. *Partial room abatement. Architect to mark exact locations to remove in room.*

MY Environmental Consulting MY Environmental Consulting, LLC 9141 Interline Ave., Ste. 2A Baton Rouge, LA 70809	Asbestos Abatement McKinley High School 800 E. McKinley St. Baton Rouge, LA 70802			
	Drawn	Ashton Knight	Title: Building 03 - Floors	REV
	SCALE	N/A	SHEET	

MECHANICAL KEYED NOTES

1. EXHAUST DUCT UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 8 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 10/M4.102)
2. CONNECT INSULATED HOT WATER PIPING FROM OUTDOOR BOILER B-1 TO EXISTING HOT WATER. PIPING SERVING BUILDING A AT SAME SIZE AS EXISTING. VERIFY SIZE OF PIPING PRIOR TO ROUGH IN.
3. ROUTE HOT WATER SUPPLY DOWN THROUGH ROOF TO BOILER B-1
4. BOILER FLUE VENT CAP



N

1 **MECHANICAL ROOF PLAN - BUILDING A**
Scale: 3/32" = 1'-0"

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809

Registration: 0005857
Project No: 2550-00603

ARCHITECT

CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

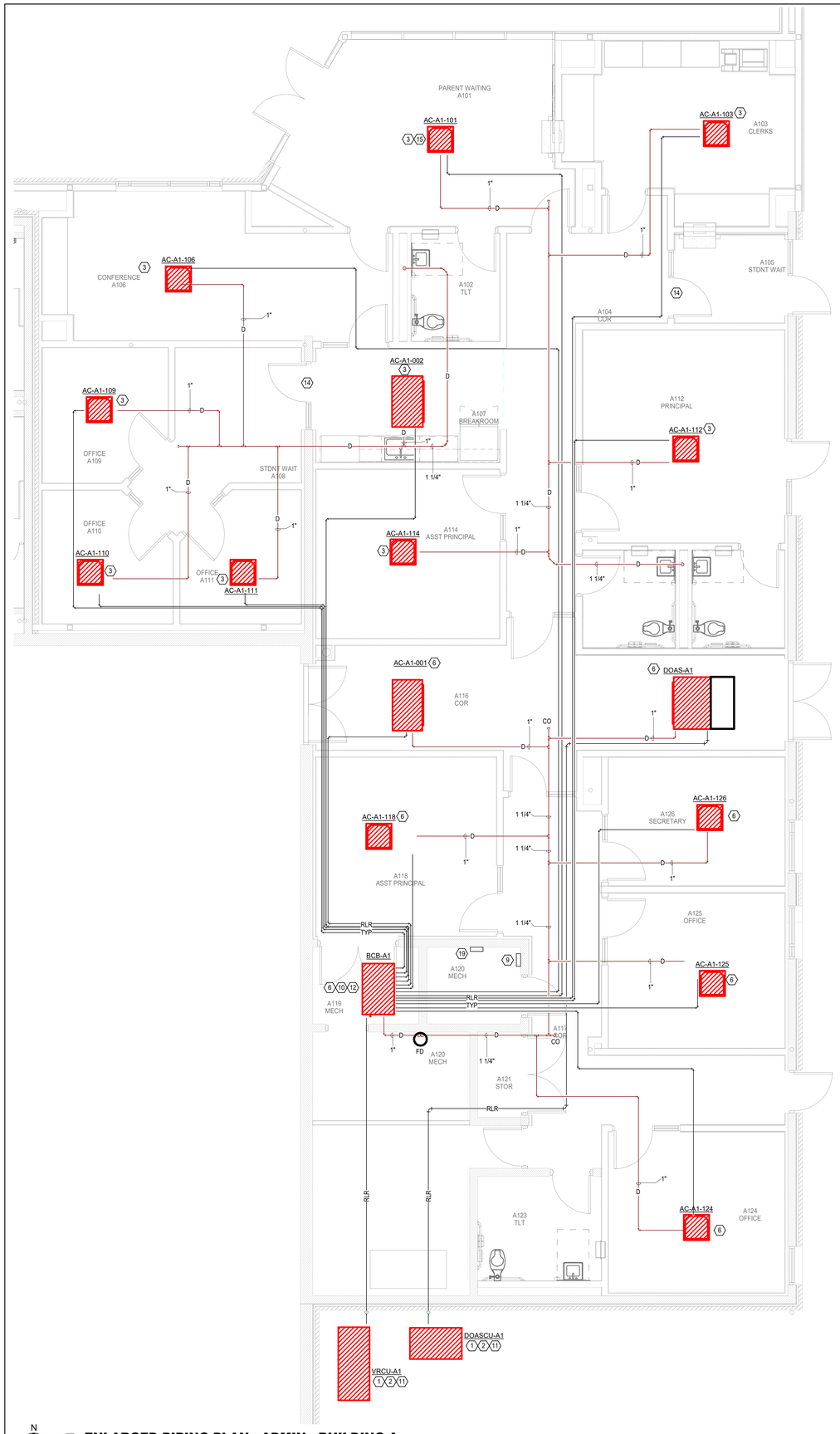
No.	Description	Date
1	Addendum 01	11/12/2025

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL ROOF PLAN - BLDG. A

M2.102

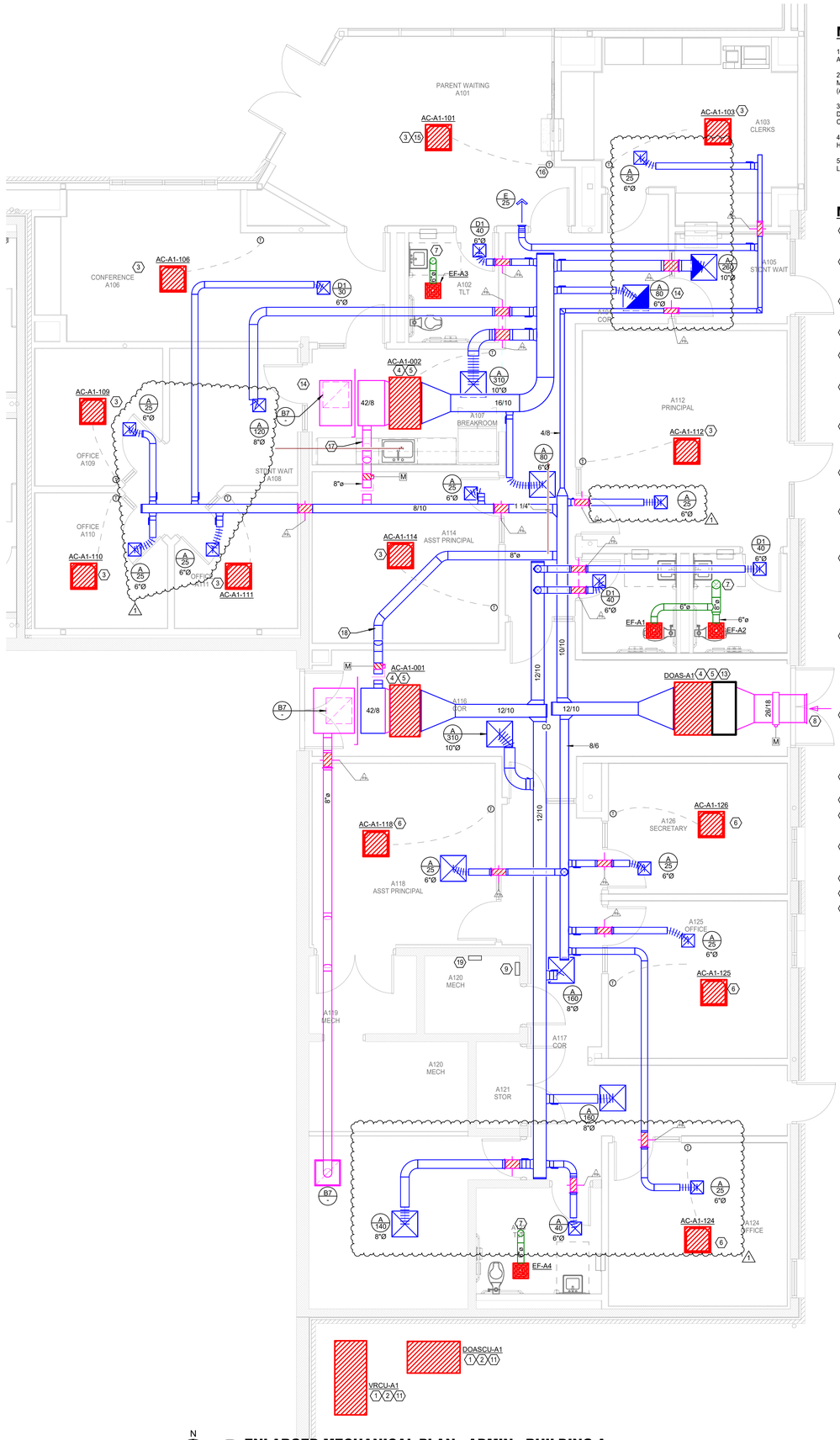
1 Addendum 01 NOVEMBER 6, 2025



N

2 ENLARGED PIPING PLAN - ADMIN - BUILDING A

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



N

1 ENLARGED MECHANICAL PLAN - ADMIN - BUILDING A

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR. INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

5.) REFER TO ARCHITECTURAL FOR ALL SOFFIT GRILLE MOUNTING LOCATIONS.

MECHANICAL KEYED NOTES

1. PROVIDE 4" THICK REINFORCED CONCRETE HOUSEKEEPING PAD. SIZE PAD PER UNIT MANUFACTURERS RECOMMENDATIONS. (RE: 11/M4.102)
2. ROUTE REFRIGERANT LINES UP OUTSIDE EXTERIOR WALL. PENETRATE WALL IN CEILING SPACE. FIELD ROUTE TO RESPECTIVE INDOOR UNIT. PROVIDE EXTERIOR PIPE WITH LINESIDE HIDE. (RE: 8/M4.102)
3. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO HUB DRAIN. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION HUB DRAIN. (RE: 5/M4.102)
4. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M2.702)
5. CONTRACTOR TO SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION.
6. ROUTE (SIZE AS SHOWN) INSULATED CONDENSATE DRAIN TO FLOOR DRAIN. TERMINATE WITH AIR GAP MINIMUM 1" ABOVE FLOOD LEVEL RIM. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION.
7. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO LOW PROFILE ROOF CAP. PROVIDE GREENHECK MODEL GRSR SIZE 8 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 10/M4.102)
8. PROVIDE GREENHECK LOUVER MODEL ESD-435-26X18 WITH MINIMUM FREE AREA OF 1.3 SF AND INSECT SCREEN. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. MOUNT BOTTOM OF LOUVER AT 10'-4" AFF. (RE: 4/M4.102)
9. PROVIDE VRF SYSTEM CENTRAL CONTROLLER IN THIS VICINITY. COORDINATE 120V JUNCTION BOX AND DATA CONNECTION WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. COORDINATE EXACT LOCATION WITH ALL OTHER EQUIPMENT INSTALLED IN ROOM.
10. PROVIDE A BRANCH SELECTOR BOX IN AN ACCESSIBLE LOCATION IN THIS VICINITY. PROVIDE DRAIN PAN UNDER BRANCH SELECTOR AND EXTEND UNDER BALL VALVES. OTHER MANUFACTURER'S BRANCH CONTROLLERS SHALL BE LOCATED IN THE SAME EXACT LOCATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH THE CHANGE OF QUANTITY AND/OR LOCATION OF OTHER MANUFACTURER'S BRANCH CONTROLLERS.
11. TYPE "K" HARD COPPER SHALL BE USED FOR ALL REFRIGERANT LINES FROM THE OUTDOOR UNITS TO ITS ASSOCIATED BRANCH CONTROLLER AND IN ALL AREAS WHERE COPPER WILL BE EXPOSED (TYPICAL). CONTRACTOR SHALL ROUTE REFRIGERANT PIPING NEAT AND STRAIGHT. ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
12. TYPE "L" SOFT COPPER SHALL BE USED FOR REFRIGERANT LINES FROM THE BRANCH CONTROLLER TO EACH VRF INDOOR UNIT OFF OF THAT SYSTEM (TYPICAL). ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
13. PROVIDE RETURN AIR FILTERBOX WITH 4" MERV 13 FILTER INSTALL IN ACCESSIBLE LOCATION.
14. UNDERCUT DOOR 1" FOR RETURN AIR.
15. INSTALL VRF UNIT AS HIGH AS POSSIBLE. UNIT WILL BE EXPOSED, REFER TO ARCHITECT FOR ANY PAINT AND INSULATION COLOR.
16. PROVIDE TAMPER RESISTANT T-STAT COVER. LOCK OUT T-STAT SET TO 80°F FOR COOLING. REFER TO ARCHITECTURAL DIAGRAM FOR MOUNTING HEIGHT AND LOCATION.
17. CONTRACTOR TO BALANCE DUCT TO 150 CFM.
18. CONTRACTOR TO BALANCE DUCT TO 145 CFM.
19. INSTALL CONTROL PANEL FOR BUILDING MANAGEMENT SYSTEM IN THIS VICINITY WITH MAXIMUM CLEARANCE FOR MAINTENANCE. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH IN. CONTROLS CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE LOCATION OF THE 120-VOLT JUNCTION BOX FOR CONTROLS POWER. CONTROLS CONTRACTOR SHALL EXTEND 120 COLT ELECTRICAL SERVICE TO ALL CONTROL MODULES.

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771
REGISTRATION
STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A
800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
1	Addendum 01	11/12/2025

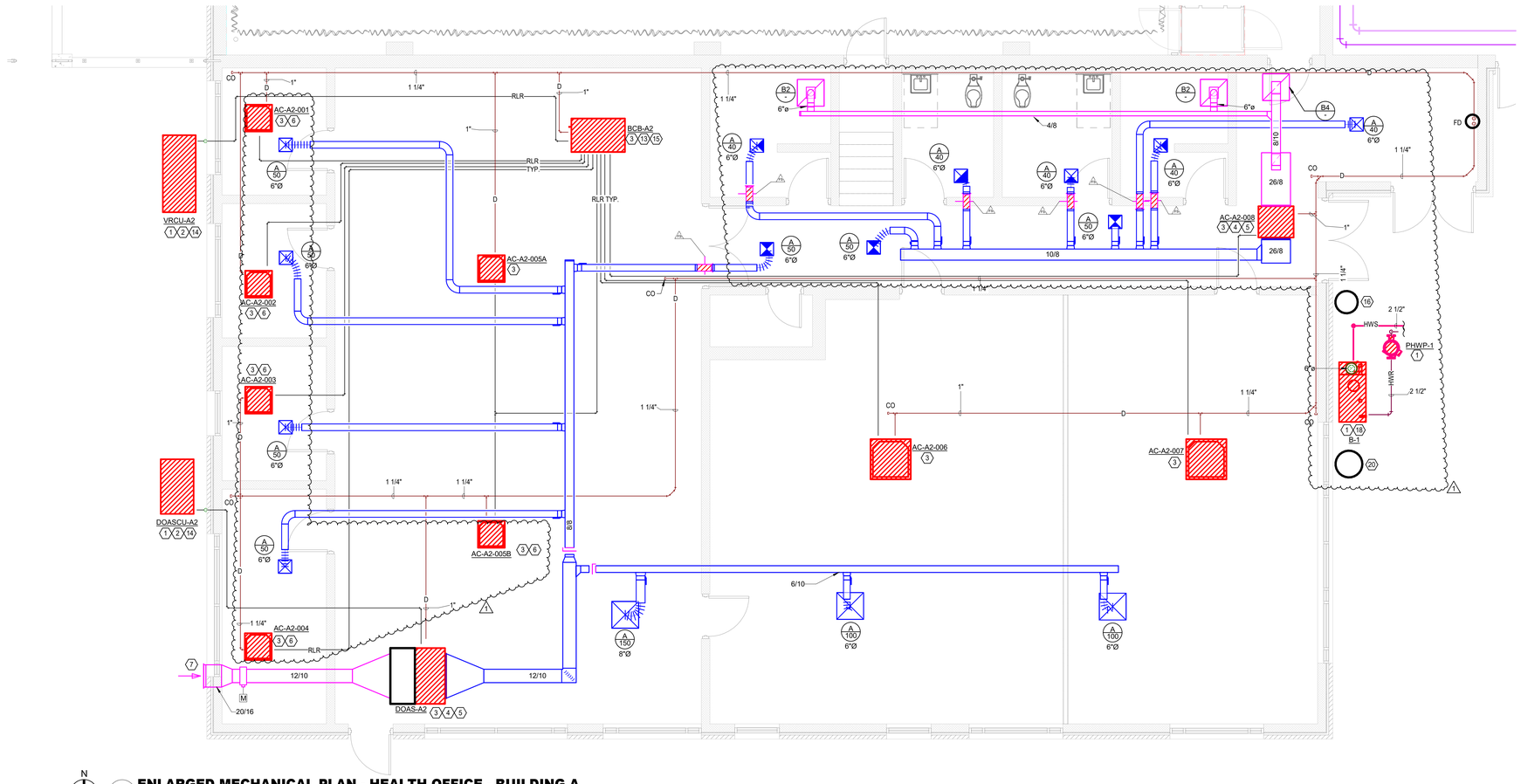
DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL ENLARGED FLOOR PLANS - BLDG. A

M3.101

1 Addendum 01

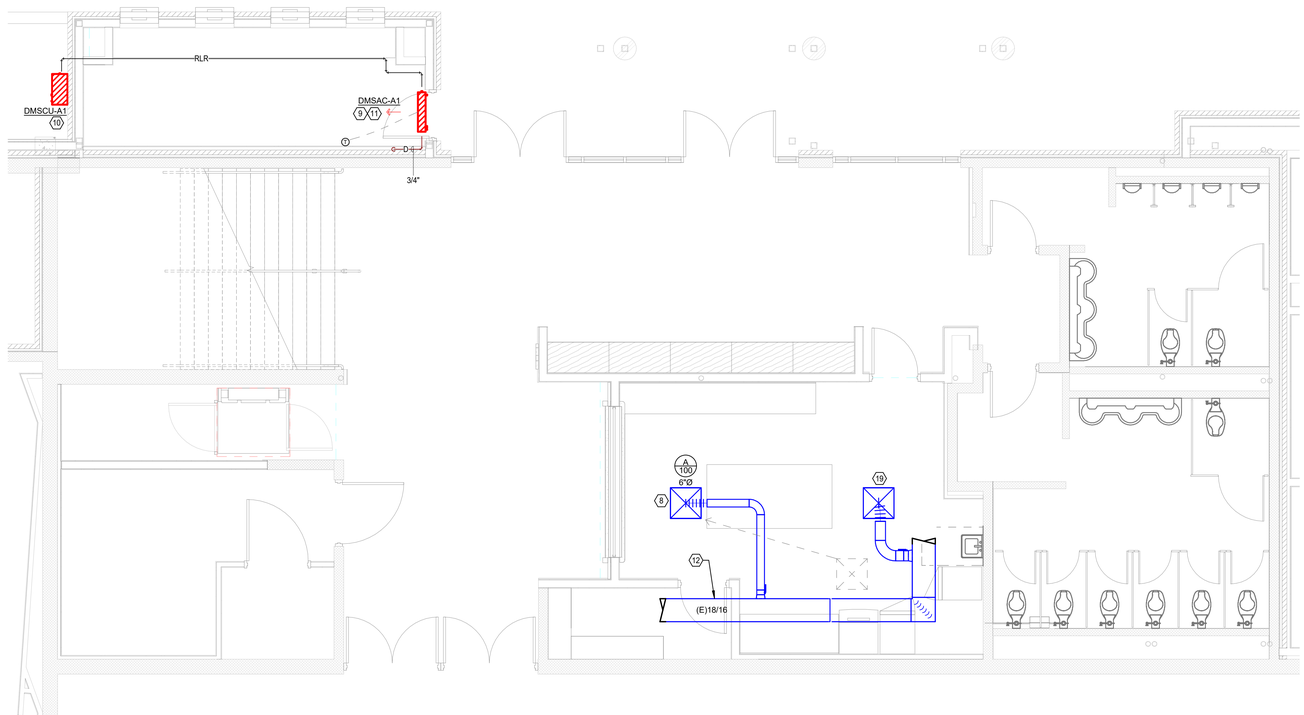
NOVEMBER 6, 2025



N

2 ENLARGED MECHANICAL PLAN - HEALTH OFFICE - BUILDING A

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



N

1 ENLARGED MECHANICAL PLAN - LOBBY - BUILDING A

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED, COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

5.) REFER TO ARCHITECTURAL FOR ALL SOFFIT GRILLE MOUNTING LOCATIONS.

MECHANICAL KEYED NOTES

1. PROVIDE 4" THICK REINFORCED CONCRETE HOUSEKEEPING PAD. SIZE PAD PER UNIT MANUFACTURERS RECOMMENDATIONS. (RE: 11/M4.102)
2. ROUTE REFRIGERANT LINES UP OUTSIDE EXTERIOR WALL. PENETRATE WALL IN CEILING SPACE. FIELD ROUTE TO RESPECTIVE INDOOR UNIT. PROVIDE EXTERIOR PIPE WITH LINESIDE HIDE. (RE: 8/M4.102)
3. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO FLOOR DRAIN. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION FLOOR DRAIN. (RE: 5/M4.102)
4. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M4.102)
5. CONTRACTOR TO SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION.
6. CONTRACTOR TO ENSURE CONDENSATE PUMP FOR THIS UNIT IS SUFFICIENT TO MEET THE REQUIRED 1/8" PER 1' FALL REQUIREMENTS.
7. PROVIDE GREENHECK LOUVER MODEL ESD-435-26X18 WITH MINIMUM FREE AREA OF 1.3 SF AND INSECT SCREEN. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. MOUNT BOTTOM OF LOUVER AT 10'-4" AFF. (RE: 4/M4.102)
8. RELOCATE EXISTING SUPPLY AIR GRILLE AS INDICATED BY ARROW. EXTEND DUCT AS REQUIRED TO PREVENT FLEX DUCT FROM EXCEEDING 6'. REBALANCE DIFFUSER TO CFM SHOWN. IF BALANCING DAMPER IS MISSING OR INOPERABLE, REPLACE BALANCING DAMPER. CONTRACTOR TO FIELD VERIFY EXACT TIE-IN LOCATION PRIOR TO CONSTRUCTION.
9. MOUNT UNIT HIGH ON DOOR ABOVE DOOR.
10. MOUNT UNIT 10'-0" AFF TO EXTERIOR WALL.
11. ROUTE (SIZE AS SHOWN) INSULATED CONDENSATE DRAIN TO HUB DRAIN AND TERMINATE WITH AIR GAP MINIMUM 1". COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION OF HUB DRAIN. (RE: 5/M4.102)
12. EXISTING SUPPLY TRUNK DUCT TO REMAIN.
13. PROVIDE A BRANCH SELECTOR BOX IN AN ACCESSIBLE LOCATION IN THIS VICINITY. PROVIDE DRAIN PAN UNDER BRANCH SELECTOR AND EXTEND UNDER BALL VALVES. OTHER MANUFACTURER'S BRANCH CONTROLLERS SHALL BE LOCATED IN THE SAME EXACT LOCATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH THE CHANGE OF QUANTITY AND/OR LOCATION OF OTHER MANUFACTURER'S BRANCH CONTROLLERS.
14. TYPE "K" HARD COPPER SHALL BE USED FOR ALL REFRIGERANT LINES FROM THE OUTDOOR UNITS TO ITS ASSOCIATED BRANCH CONTROLLER AND IN ALL AREAS WHERE COPPER WILL BE EXPOSED (TYPICAL). CONTRACTOR SHALL ROUTE REFRIGERANT PIPING NEAT AND STRAIGHT. ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
15. TYPE "L" SOFT COPPER SHALL BE USED FOR REFRIGERANT LINES FROM THE BRANCH CONTROLLER TO EACH VRF INDOOR UNIT OFF OF THAT SYSTEM (TYPICAL). ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
16. PROVIDE NEW OUTDOOR RATED CHEMICAL FEEDER FOR HOT WATER SYSTEM. ASSOCIATED DRAIN LINES FOR DRAINING SYSTEM SHALL BE PROVIDED WITH SHUT OFF VALVES. ROUTE DRAIN LINE TO FLOOR DRAIN AND TERMINATE WITH AIR GAP.
17. ROUTE HOT WATER PIPE UP THROUGH ROOF.
18. EXTEND BOILER FLUE DUCT (SIZE AS SHOWN) UP THROUGH ROOF TO FLUE VENT. (RE: 12/M4.102)
19. EXISTING TO REMAIN. CONTRACTOR TO CLEAN AND VERIFY IN OPERABLE WORKING CONDITION.
20. PROVIDE EXPANSION TANK IN THIS VICINITY. TANK SHALL HAVE A MINIMUM VOLUME OF 23 GALLONS AND MINIMUM ACCEPTANCE VOLUME OF 23 GALLONS. BASIS OF DESIGN TACO CA90 OR APPROVED EQUAL. MAINTAIN ANUFACTURER RECOMMENDED CLEARANCES. (RE 1/M4.103)

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions		
No.	Description	Date
1	Addendum 01	11/12/2025

DA project # C24-0038

CA project # 24009

date NOVEMBER 6, 2025

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

MECHANICAL ENLARGED FLOOR PLANS - BLDG. A

M3.102

1 Addendum 01

NOVEMBER 6, 2025

DAMPER

MARK	ACTUATOR	DUTY	BLADE ACTION	MANUFACTURER	MODEL NUMBER	REMARKS
D-1	MANUAL BALANCING	UNDER 9" WIDE	N/A	N/A	N/A	SEE SMACNA CONSTRUCTION DETAILS REFERENCED "TYPICAL CONSTRUCTION DETAILS FOR LOW VELOCITY DUCTS."
D-2	MANUAL BALANCING	OVER 9" WIDE	OPPOSED	RUSKIN	MD-35	MANUAL DAMPER WITH STANDARD CONSTRUCTION FEATURES AND VENTLOCK #639 LOCKING REGULATOR.
D-3	MOTORIZED	OVER 9" WIDE	OPPOSED	RUSKIN	CD-60	LOW LEAKAGE DAMPER WITH BLADE SEALS

NOTES:
N/A - NOT APPLICABLE

PACKAGED AIR COOLED CHILLER

MARK	ACTUAL CAPACITY (TONS)	ENTERING WATER TEMP. (°F)	LEAVING WATER TEMP. (°F)	GPM	PRESSURE DROP (FT.)	AMBIENT AIR TEMP. (°F)	CURRENT CHARAC. V	P	F	BASIS OF DESIGN MCA	MOCP	REMARKS
ACC-1	175	55	45	403	20.0	95 °F	480	3	60	370	400	ALL

GENERAL NOTES:
1. MAXIMUM FOULING FACTOR FOR THE EVAPORATOR IS 0.0001
2. MAINTAIN MINIMUM CLEARANCES REQUIRED BY CHILLER MANUFACTURER FOR PROPER AIRFLOW TO FANS AND UNIT. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON EQUIPMENT FOR SERVICE, MAINTENANCE AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCES AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH LOW AMBIENT HEAD PRESSURE CONTROL.
2. PROVIDE WITH INTEGRAL MAIN ELECTRICAL DISCONNECT SWITCH.
3. PROVIDE WITH INSULATION ON ALL SUCTION LINES.
4. PROVIDE WITH POLYMER CONDENSER FANS AND COMPRESSOR BLANKETS.

PUMP

TAG	SERVICE	TYPE	GPM	HEAD (FT.)	MOTOR HORSE POWER	MAX. RPM	CURRENT CHARAC. V	P	F	MANUFACTURER	MODEL NUMBER	REMARKS
CP-1	PRIMARY CHILLED WATER	HORIZONTAL END SUCTION	403	43.50	8	1770	480	3	60	GRUNDFOS	LF	1,2
CP-2	PRIMARY CHILLED WATER	HORIZONTAL END SUCTION	403	43.50	8	1770	480	3	60	GRUNDFOS	LF	1,2
PHWP-1	PRIMARY HEATING WATER	VERTICAL INLINE	60	45.00	2	2700	208	3	60	BELL & GOSSETT	E-80	1,2,3

GENERAL NOTES:
1. PUMP IS TO HAVE A NON-OVERLOADING MOTOR.
2. MINIMUM RECOMMENDED CLEARANCE AROUND A PUMP IS 24 INCHES. MAINTAIN MINIMUM CLEARANCES AS REQUIRED FOR SERVICE, MAINTENANCE, AND INSPECTION.

REMARKS:
1. PROVIDE WITH VARIABLE FREQUENCY DRIVE.
2. PROVIDE SUCTION DIFFUSER AT PUMP INLET.
3. PUMP HEAD WAS COAGULATED ON PROJECTED PIPING ROUTE. CONTRACTOR SHALL VERIFY PUMP PROVIDES SUFFICIENT HEAD FOR ACTUAL PIPE ROUTING.

NATURAL GAS BOILER

MARK	TYPE	MINIMUM GAS INPUT (BTUH)	MINIMUM HEAT OUTPUT (BTUH)	ENTERING WATER TEMP. (°F)	LEAVING WATER TEMP. (°F)	PRESSURE DROP (FT.H20)	GPM	FLUE SIZE	ELECTRICAL CURRENT V	P	F	MANUFACTURER	MODEL NUMBER	MCA	MOCP	REMARKS
B-1	CONDENSING	650,000	631,000	160	180	45.0	60.0	6"	120	1	60	LOCHINVAR	KBX	20	25	1,2,3

GENERAL NOTES:
1. PROVIDE 8 OUNCE GAS PRESSURE TO BOILER.
2. MAINTAIN MINIMUM CLEARANCE AROUND A BOILER OF 24 INCHES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS FOR SERVICE, MAINTENANCE AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCES AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH CIRCULATING PUMP, SIZED BY BOILER MANUFACTURER TO ENSURE CONSTANT FLOW THROUGH BOILER. PUMP TO BE SHIPPED LOOSE. POWER BY ELECTRICAL CONTRACTOR BUT CONTROLLED BY BOILER. CONTRACTOR TO WIRE FROM BOILER PUMP CONTROL CIRCUIT TO PUMP STARTER RELAY.
2. PROVIDE SEALED COMBUSTION BOILER.
3. BOILER TO BE RATED FOR OUTDOOR INSTALLATION.

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
A	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.
B	RETURN	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	50F	EXPOSED T-BAR CEILING FRAME STYLE WITH A 24"X24" FACE. PERFORATED.
C	RETURN	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	50F	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X48" FACE.
D	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	SURFACE MOUNT CEILING FRAME STYLE WITH 18"X18" OR 12"X12" FACE.
E	SUPPLY	GRILLE	-	ALUMINUM	BY ARCH	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)

GENERAL NOTES:
1. DAMPERS NOTED AS U.L. SHALL BE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.
2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

REMARKS:
1. N/A

DEDICATED OUTSIDE AIR UNIT - INDOOR UNIT

MARK	FAN SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	CURRENT CHAR. V	P	F	AIR TEMPERATURE (°F) ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	HEATING ENTERING AIR TEMP.(°F)	HEATING MIN TOTAL CAPACITY (BTUH)	BASIS OF DESIGN MANUFACTURER	MODEL	MCA	MOCP	REMARKS
DOAS-A1	600	600	0.65	208	1	60	95.0	77.0	55.0	54.5	46,980	25,920	95	32,400	MITSUBISHI	TPEFY	3.3	15	ALL
DOAS-A2	600	600	0.65	208	1	60	95.0	77.0	55.0	54.5	46,980	25,920	95	32,400	MITSUBISHI	TPEFY	3.3	15	ALL

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE HORIZONTAL UNIT.
4. PROVIDE UNIT WITH HANGING ISOLATION KIT.
5. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.
6. PROVIDE UNIT WITH INTEGRAL CONDENSATE DRAIN PUMP WITH MINIMUM 18" LIFT.

FAN SCHEDULE

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR. V	P	F	LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
EF-A1	BATHROOM	70	0.25	700	0.1	120	1	60	-	OCC SENSOR W/ TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-A2	BATHROOM	70	0.25	700	0.1	120	1	60	-	OCC SENSOR W/ TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-A3	BATHROOM	70	0.25	700	0.1	120	1	60	-	OCC SENSOR W/ TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-A4	BATHROOM	70	0.25	700	0.1	120	1	60	-	OCC SENSOR W/ TIMER	CEILING	DIRECT	GREENHECK	SP	1

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH INTEGRAL DISCONNECT, BACKDRAFT DAMPER, VIBRATION ISOLATION KIT AND DECORATIVE GRILLE.

VRF FAN/COIL UNIT

MARK	LOCATION	FAN SUPPLY AIR CFM	FAN EXT.STATIC PRESSURE (IN. W.C.)	FAN CURRENT CHARAC. V	P	F	COOLING AIR TEMPERATURE (°F) ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	COOLING NOM. TOTAL CAPACITY (BTUH)	COOLING MIN. SENS. CAPACITY (BTUH)	HEATING ENTERING AIR TEMP.(°F)	HEATING MIN. CAPACITY (BTUH)	MCA	MOCP	REMARKS
AC-A1-001	CORRIDOR	880	0.60	208	1	60	75.0	62.5	55.0	54.5	18,000	16,695	75	20,000	2	15	1,2,3,4,6,7,8
AC-A1-002	BREAK ROOM	880	0.60	208	1	60	75.0	62.5	55.0	54.5	24,000	18,850	75	27,000	2	15	1,2,3,4,6,7,8
AC-A1-101	101 WAITING	1,235	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	32,530	75	54,000	2	15	1,2,3,5,6,7,8
AC-A1-103	103 CLERKS	315	0.10	208	1	60	75.0	62.5	55.0	54.5	8,000	6,095	75	9,000	2	15	1,2,3,5,6,7,8
AC-A1-106	106 CONFERENCEE	335	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,875	75	9,000	2	15	1,2,3,5,6,7,8
AC-A1-109	109 OFFICE	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,310	75	9,000	2	15	1,2,3,5,6,7,8
AC-A1-110	110 OFFICE	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,310	75	9,000	2	15	1,2,3,5,6,7,8
AC-A1-111	111 OFFICE	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,310	75	9,000	2	15	1,2,3,5,6,7,8
AC-A1-112	112 PRINCIPAL	335	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,875	75	13,500	2	15	1,2,3,5,6,7,8
AC-A1-114	114 ASST PRINCIPAL	335	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,875	75	13,500	2	15	1,2,3,5,6,7,8
AC-A1-118	118 ASST PRINCIPAL	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,310	75	9,000	2	15	1,2,3,5,6,7,8
AC-A1-124	124 OFFICE	315	0.10	208	1	60	75.0	62.5	55.0	54.5	8,000	6,095	75	9,000	2	15	1,2,3,5,6,7,8
AC-A1-125	125 OFFICE	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,310	75	9,000	2	15	1,2,3,5,6,7,8
AC-A1-126	126 SECRETARY	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,310	75	9,000	2	15	1,2,3,5,6,7,8
AC-A2-001	PE-001	315	0.10	208	1	60	75.0	62.5	55.0	54.5	8,000	5,960	75	4,350	2	15	1,2,3,5,6,7,8
AC-A2-002	PE-002	315	0.10	208	1	60	75.0	62.5	55.0	54.5	8,000	5,960	75	4,350	2	15	1,2,3,5,6,7,8
AC-A2-003	PE-003	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,225	75	4,350	2	15	1,2,3,5,6,7,8
AC-A2-004	PE-004	335	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,655	75	13,500	2	15	1,2,3,5,6,7,8
AC-A2-005A	PE-005	460	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	11,265	75	20,000	2	15	1,2,3,5,6,7,8
AC-A2-005B	PE-005	460	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	11,265	75	20,000	2	15	1,2,3,5,6,7,8
AC-A2-006	PE-006	800	0.10	120	1	60	75.0	62.5	55.0	54.5	24,000	16,050	75	27,000	2	15	1,2,3,5,6,7,8,9
AC-A2-007	PE-007	800	0.10	120	1	60	75.0	62.5	55.0	54.5	30,000	20,130	75	34,000	2	15	1,2,3,5,6,7,8,9
AC-A2-008	PE-008	300	0.50	208	1	60	75.0	62.5	55.0	54.5	12,000	7,950	75	6,700	2	15	1,2,3,4,6,7,8

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL UPLL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE HORIZONTAL UNIT.
5. PROVIDE CEILING MOUNTED 4-WAY CASSETTE.
6. PROVIDE WITH REFRIGERANT SERVICE BALL VALVE AT UNIT.
7. PROVIDE UNIT WITH NEEDLEPOINT BIPOLAR IONIZATION KIT WITH UL 2998 CERTIFICATION. BASIS OF DESIGN: GPS NPBI OR APPROVED EQUAL.
8. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.
9. PROVIDE 3X3 CEILING CASSETTE UNIT WITH FACTORY PROVIDED TRIM KIT FOR CASSETTE UNIT TO BE CENTERED BETWEEN 4 TILES IN GRID.

AIR COOLED VRF CONDENSING UNIT (HEAT RECOVERY)

MARK	NOM. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MIN. EER/IEER	CURRENT CHARAC. V	P	F	RELATED UNIT MARK	CONNECTED LOAD PERCENTAGE	MCA	MOCP	MANUFACTERER	MODEL	REMARKS
DOASCU-A1	72,000	95	10.9 / 21.6	480	3	60	DOAS-A1	67	13	20	MITSUBISHI	PUHY	ALL
DOASCU-A2	72,000	95	10.9 / 21.6	480	3	60	DOAS-A2	67	13	20	MITSUBISHI	PUHY	ALL
VRCU-A1	168,000	95	10 / 20.2	480	3	60	AC-A1-001, 002, 101, 103, 106, 109, 110, 111, 112, 114, 118, 124, 125, 126	102	32	50	MITSUBISHI	PURY	ALL
VRCU-A2	120,000	95	10.4 / 19.9	480	3	60	AC-A2-001, 002, 003, 004, 005A, 005B, 006, 007, 008	112	26	40	MITSUBISHI	PURYE	ALL

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE AROUND ROOFTOP UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S INSTRUCTIONS.

VRF BRANCH SELECTOR

MARK	RELATED UNIT MARK	ELECTRICAL CURRENT V	P	F	MCA	MOCP	NUM. OF BRANCHES	REMARKS
BCB-A1	VRCU-A1	208	1	60	1.6	20	16	1
BCB-A2	VRCU-A2	208	1	60	1.2	20	12	1

GENERAL NOTES:
1. BRANCH SELECTOR MODULES ARE TYPICAL. SEE DRAWINGS AND PIPING SCHEMATICS FOR QUANTITY AND LOCATION.
2. CONTRACTOR TO INSTALL "FULL PORT" ISOLATION VALVES AND SCHRADER VALVE UPSTREAM OF EACH BRANCH SELECTOR BOX.
3. BRANCH SELECTORS SHALL HAVE BRAZED CONNECTIONS.

REMARKS:
1. PROVIDE WITH HANGING ISOLATION KIT.

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809

Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION
STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING A
800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

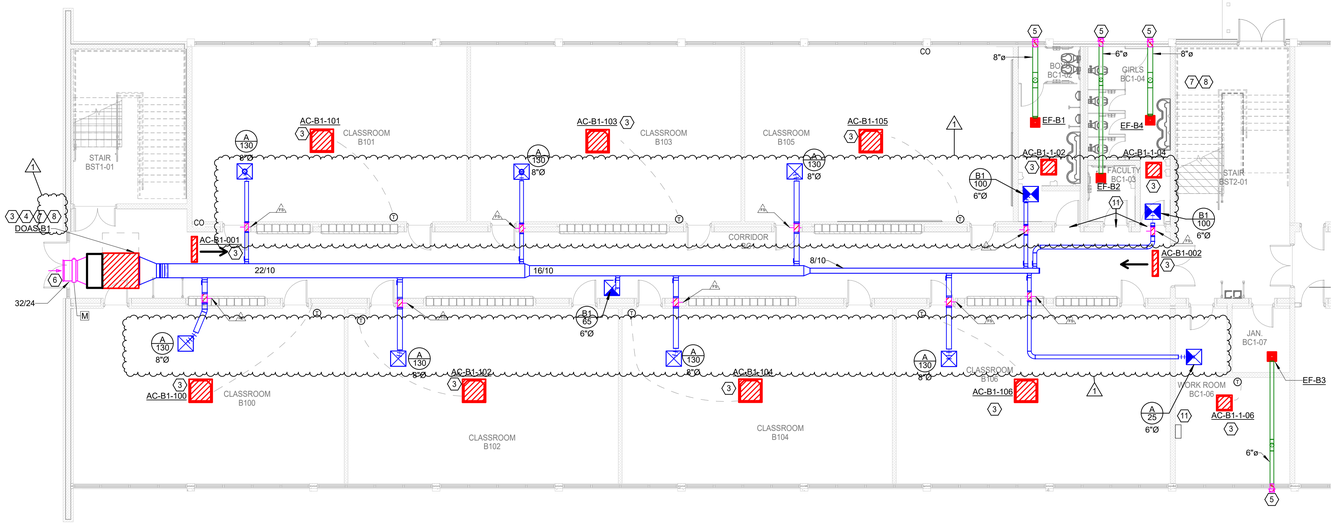
revisions No.	Description	Date
1	Addendum 01	11/12/2025

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL SCHEDULES - BLDG. A

M5.101

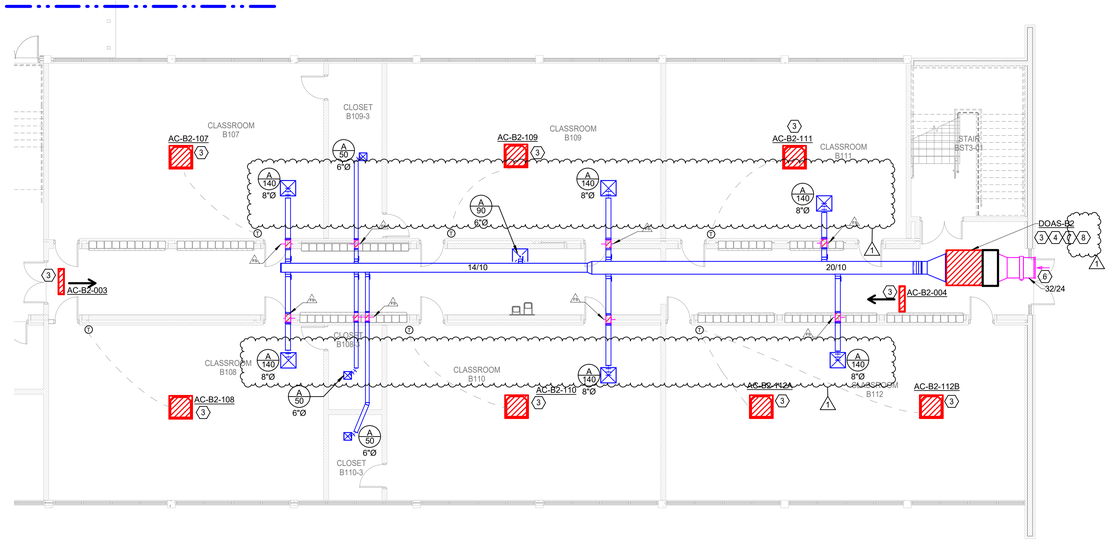
1 Addendum 01
NOVEMBER 6, 2025



N

2 1ST FLOOR - WEST - MECHANICAL FLOOR PLAN - BLDG B

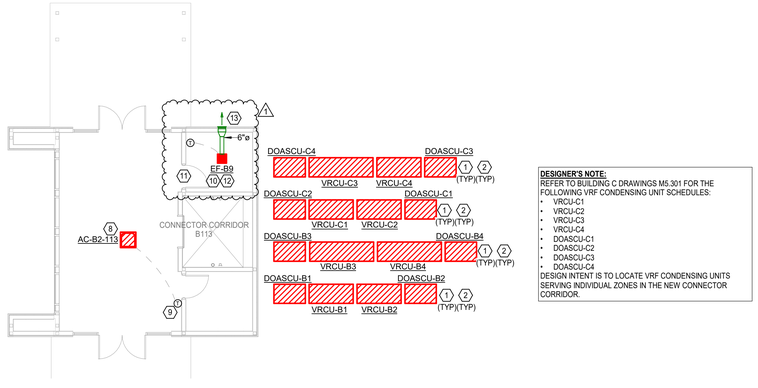
Scale: 1/8" = 1'-0"



N

1 1ST FLOOR - EAST - MECHANICAL FLOOR PLAN - BLDG B

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



DESIGNER'S NOTE:
REFER TO BUILDING C DRAWINGS M5.301 FOR THE FOLLOWING VRF CONDENSING UNIT SCHEDULES:

- VRCU-C1
- VRCU-C2
- VRCU-C3
- VRCU-C4
- DOASCU-C1
- DOASCU-C2
- DOASCU-C3
- DOASCU-C4

DESIGN INTENT IS TO LOCATE VRF CONDENSING UNITS SERVING INDIVIDUAL ZONES IN THE NEW CONNECTOR CORRIDOR.

N

3 1ST FLOOR - NEW CONSTRUCTION - CONNECTOR CORRIDOR - MECHANICAL PLAN

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

MECHANICAL KEYED NOTES

1. CONTRACTOR SHALL INSTALL CONDENSING UNITS ON FRAME SUPPORT STAND (BIG FOOT SYSTEMS MULTI FRAME OR APPROVED EQUAL). (TYPICAL) SUPPORT STANDS SHALL BE PLACED TO NOT OBSTRUCT WALKING PATH IN YARD.
2. FIELD ROUTE REFRIGERANT LINES UNDER CONDENSING UNITS AND UP INSIDE EXTERIOR WALL. PENETRATE WALL 1'-0"AFF AND ROUTE TO RESPECTIVE INDOOR UNIT. COORDINATE WITH ARCHITECT FOR EXACT ROUTING LOCATIONS PRIOR TO MOUNTING. (RE: 7/M4.202)
3. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO EXISTING OUTDOOR STORM DRAINS. CONTRACTOR TO REUSE EXISTING CONDENSATE CUTOUTS. VERIFY LOCATION PRIOR TO BID. REFER TO PIPING PLAN FOR ROUTING (RE: 5/M4.202)
4. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M4.202)
5. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO TO WALL CAP. PROVIDE GREENHECK MODEL WC OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS.
6. ROUTE (SIZE AS SHOWN) OUTSIDE AIR DUCT TO INTAKE LOUVER GREENHECK MODEL EVH-501-32X24 WITH 2.4 SQFT FREE AREA AND INSECT SCREEN OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED AHU IS IN COOLING OR HEATING MODE. COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. (RE: 4/M4.202)
7. CONTRACTOR TO SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION. (RE: 9/M4.202)
8. PROVIDE RETURN AIR FILTERBOX WITH 4" MERV 13 FILTER INSTALL IN ACCESSIBLE LOCATION.
9. PROVIDE TAMPER RESISTANT T-STAT COVER. LOCK OUT T-STAT SET TO 75°F FOR COOLING. REFER TO ARCHITECTURAL DIAGRAM FOR MOUNTING HEIGHT AND LOCATION.
10. INTERLOCK THERMOSTAT SET TO 80F.
11. UNDERCUT DOOR 1" FOR MAKE UP AIR PATH
12. INSTALL EXHAUST FAN IN ROOM WHERE ELEVATOR MECHANICAL ROOM IS LOCATED.
13. ROUTE EXHAUST AIR DUCT (SIZES SHOWN) TO EXHAUST LOUVER WITH MINIMUM FREE AREA OF 0.2 SF AND INSECT SCREEN. BASIS OF DESIGN: GREENHECK EHH-501-14X10 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 4/M4.202)

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10526 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f 225.216.3771

REGISTRATION
STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO McKINLEY SENIOR HIGH SCHOOL

BUILDING B

800 EAST MCKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

No.	Description	Date
1	Addendum 01	11/14/2025

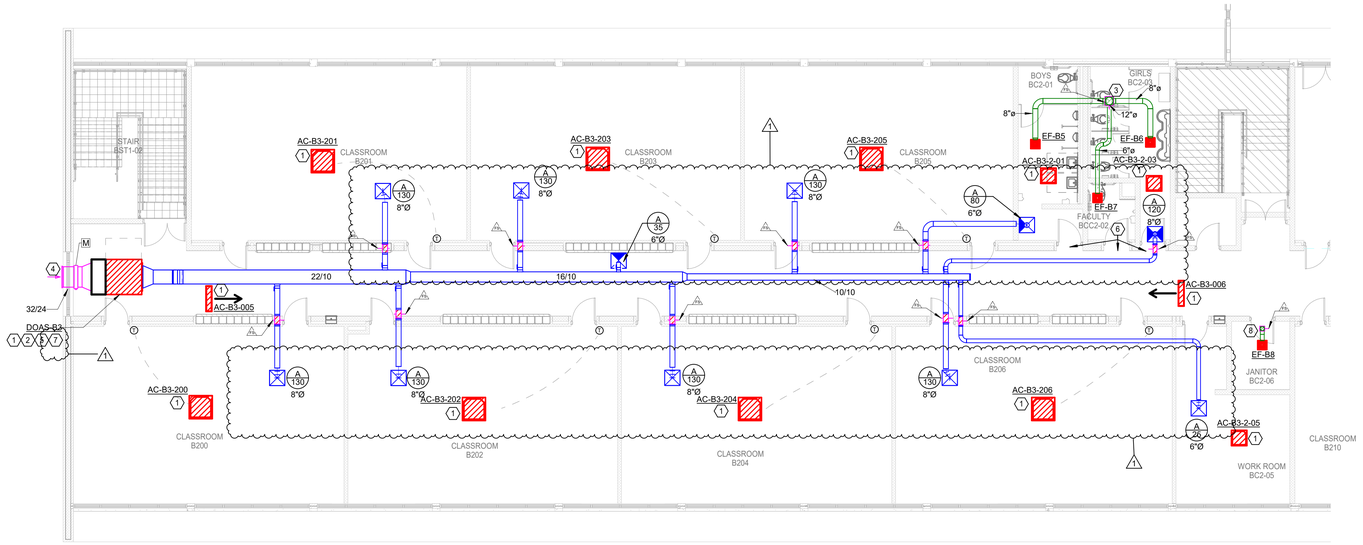
DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL 1ST FLOOR PLAN - BLDG. B

M2.201

1 Addendum 01

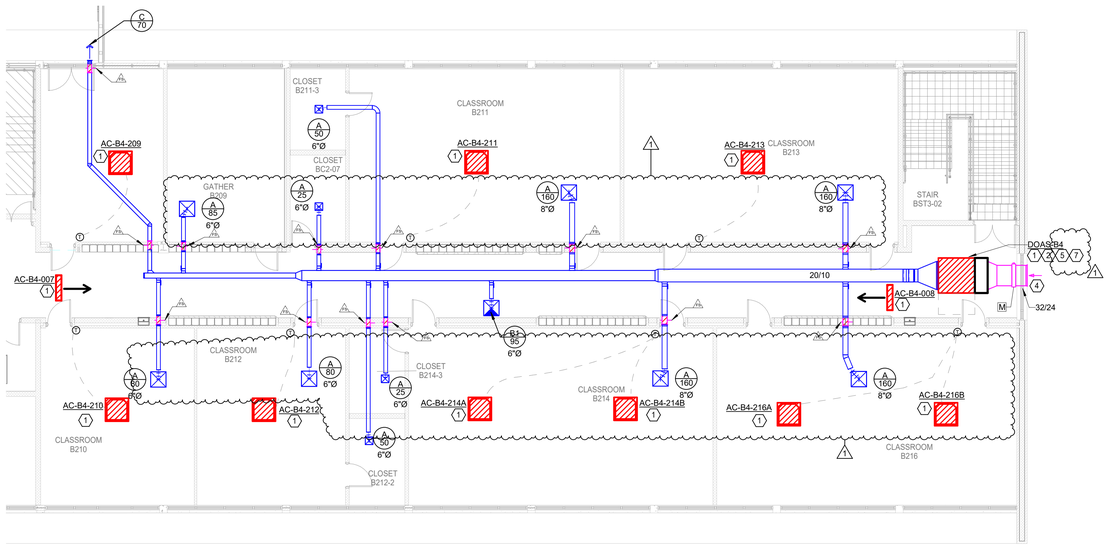
NOVEMBER 6, 2025



N

2 2ND FLOOR - WEST - MECHANICAL FLOOR PLAN - BLDG B

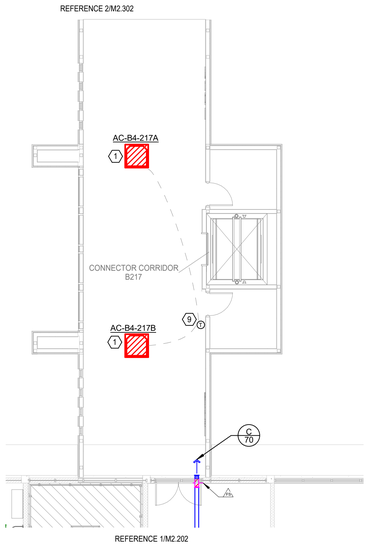
Scale: 1/8" = 1'-0"



N

1 2ND FLOOR - EAST - MECHANICAL FLOOR PLAN - BLDG B

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



N

3 2ND FLOOR - NEW CONSTRUCTION - CONNECTOR CORRIDOR - MECHANICAL PLAN

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR. INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

MECHANICAL KEYED NOTES

1. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO FIRST FLOOR CONDENSATE LINE. CONTRACTOR TO REUSE EXISTING CONDENSATE LINE CUTOUTS. (RE: 7/M4.202)
2. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M4.202)
3. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 12 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 12/M4.202)
4. ROUTE (SIZE AS SHOWN) OUTSIDE AIR DUCT TO INTAKE LOUVER GREENHECK MODEL EVH-501-32X24 WITH 2.4 SQFT FREE AREA AND INSECT SCREEN OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED AHU IS IN COOLING OR HEATING MODE. COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. (RE: 4/M4.202)
5. CONTRACTOR TO SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION. (RE: 9/M4.202)
6. UNDERCUT DOOR 1" FOR MAKE UP AIR PATH.
7. PROVIDE RETURN AIR FILTERBOX WITH 4" MERV 13 FILTER. INSTALL IN ACCESSIBLE LOCATION.
8. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 8 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 12/M4.202)
9. PROVIDE TAMPER RESISTANT T-STAT COVER. LOCK OUT T-STAT SET TO 75°F FOR COOLING. REFER TO ARCHITECTURAL DIAGRAM FOR MOUNTING HEIGHT AND LOCATION.

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO McKINLEY SENIOR HIGH SCHOOL

BUILDING B

800 EAST MCKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038

CA project # 24009

date NOVEMBER 6, 2025

MECHANICAL 2ND FLOOR PLAN - BLDG. B

M2.203

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809

Registration: 0005857
Project No: 2550-00603

1 Addendum 01

NOVEMBER 6, 2025

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR. INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

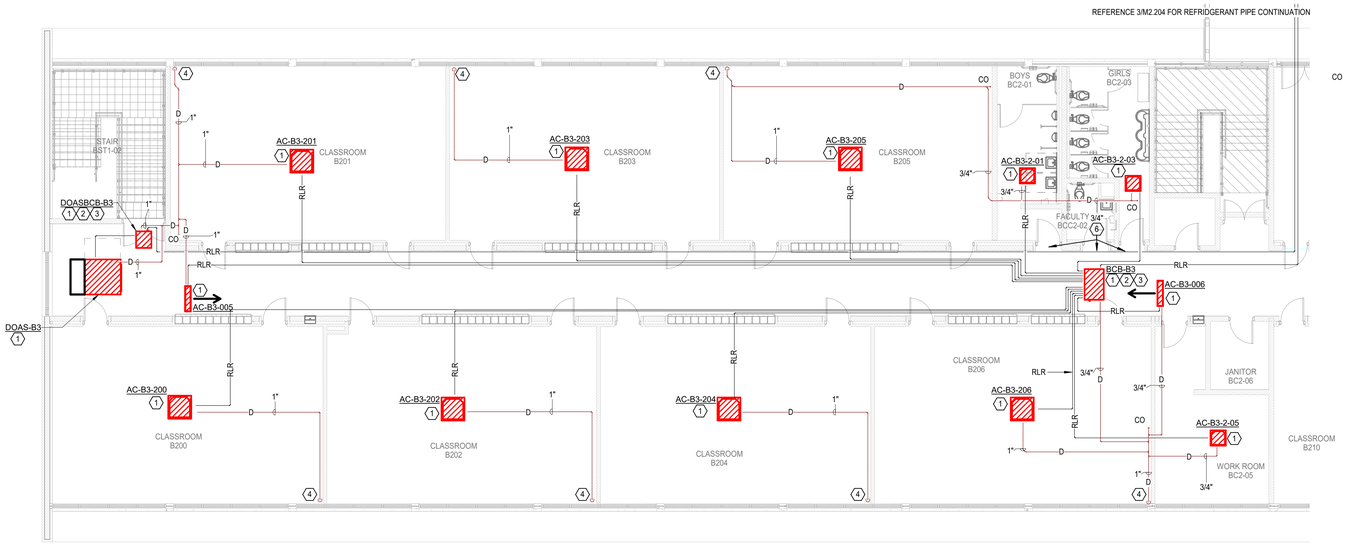
2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

MECHANICAL KEYED NOTES

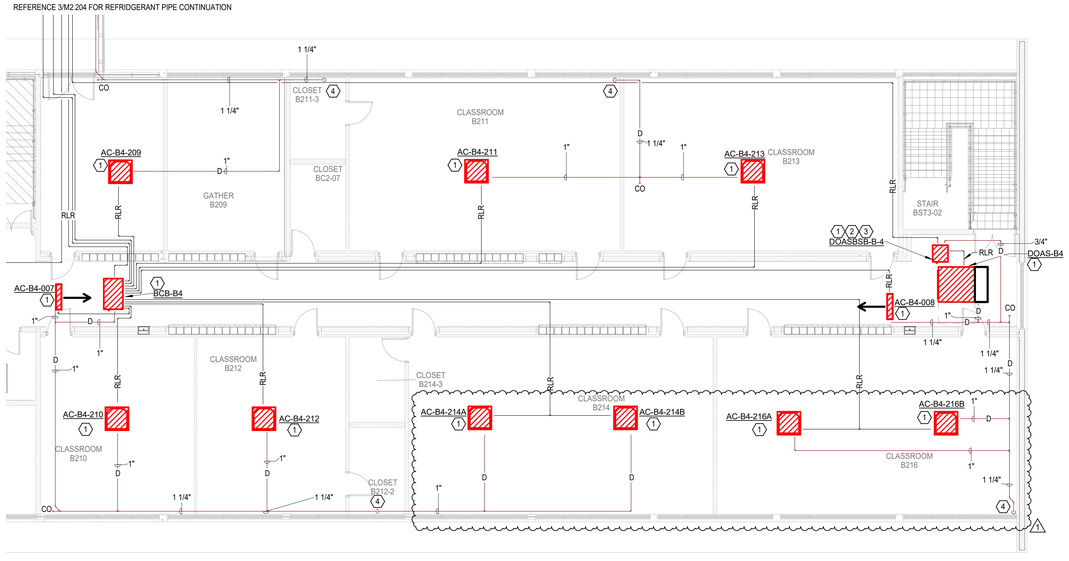
1. ROUTE FULL SIZE INSULATED CONDENSATE DRAIN LINE DOWN THROUGH EXISTING FLOOR PENETRATION TO FIRST FLOOR CONDENSATE DRAIN LOCATION. REFER TO SHEET M2.202 FOR CONTINUATION TO EXTERIOR. (RE: 7/M4.202)
2. PROVIDE A BRANCH SELECTOR BOX IN AN ACCESSIBLE LOCATION IN THIS VICINITY. PROVIDE DRAIN PAN UNDER BRANCH SELECTOR AND EXTEND UNDER BALL VALVES. OTHER MANUFACTURER'S BRANCH CONTROLLERS SHALL BE LOCATED IN THE SAME EXACT LOCATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH THE CHANGE OF QUANTITY AND/OR LOCATION OF OTHER MANUFACTURER'S BRANCH CONTROLLERS.
3. TYPE "L" SOFT COPPER SHALL BE USED FOR REFRIGERANT LINES FROM THE BRANCH CONTROLLER TO EACH VRF INDOOR UNIT OFF OF THAT SYSTEM (TYPICAL). ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
4. CONNECT TO CONDENSATE DRAIN ON FIRST FLOOR.



N

2 **2NG FLOOR - WEST - MECHANICAL PIPING PLAN - BLDG B**

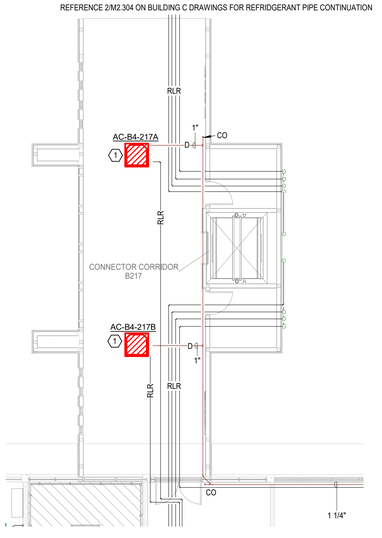
Scale: 1/8" = 1'-0"



N

1 **2ND FLOOR - EAST - MECHANICAL PIPING PLAN - BLDG B**

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



N

3 **2ND FLOOR - CONNECTOR - MECHANICAL PIPING PLAN - BLDG B**

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

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

ARCHITECT

CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING B
800 EAST MCKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL 2ND FLOOR PIPING PLAN - BLDG. B

M2.204

1 Addendum 01

NOVEMBER 6, 2025

FAN SCHEDULE

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR			LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
						V	P	F							
EF-B1	BOYS RR 1ST FLOOR	210	0.25	900	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-B2	FACILTY RR	70	0.25	1140	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-B3	JANITOR	50	0.25	1345	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-B4	GIRLS 1ST FLOOR RR	280	0.25	1140	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-B5	BOYS 2ND FLOOR RR	210	0.25	900	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-B6	GIRLS 2ND FLOOR RR	280	0.25	1140	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-B7	FACILTY RR	70	0.25	1410	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-B8	JANITOR	50	0.25	1345	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-B9	ELEVATOR MECH CLOSET	100	0.25	1100	0.1	120	1	60	-	THERMOSTAT	CEILING	DIRECT	GREENHECK	SP	1

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH INTEGRAL DISCONNECT, BACKDRAFT DAMPER, VIBRATION ISOLATION KIT AND DECORATIVE GRILLE.

DAMPER

MARK	ACTUATOR	DUTY	BLADE ACTION	MANUFACTURER	MODEL NUMBER	REMARKS
D-1	MANUAL BALANCING	UNDER 9" WIDE	N/A	N/A	N/A	SEE SMACNA CONSTRUCTION DETAILS REFERENCED "TYPICAL CONSTRUCTION DETAILS FOR LOW VELOCITY DUCTS."
D-2	MANUAL BALANCING	OVER 9" WIDE	OPPOSED	RUSKIN	MD-35	MANUAL DAMPER WITH STANDARD CONSTRUCTION FEATURES AND VENTLOCK #639 LOCKING REGULATOR.
D-3	MOTORIZED	OVER 9" WIDE	OPPOSED	RUSKIN	CD-60	LOW LEAKAGE DAMPER WITH BLADE SEALS

NOTES:
N/A - NOT APPLICABLE

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
A	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.
B	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	SURFACE MOUNT CEILING FRAME STYLE WITH 18"X18" OR 12"X12" FACE
C	SUPPLY	GRILLE	-	ALUMINUM	BY ARCH	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)
D		EXHAUST AIR				RUSKIN	EME420DD	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)

GENERAL NOTES:
1. DAMPERS NOTED AS U.L. SHALL BE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.
2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

REMARKS:
1. N/A

DEDICATED OUTSIDE AIR UNIT - INDOOR UNIT

MARK	FAN						COOLING						HEATING		BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	CURRENT CHAR			AIR TEMPERATURE (°F)				MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	ENTERING AIR TEMP.(°F)	MIN. TOTAL CAPACITY (BTUH)	MANUFACTURER	MODEL	MCA	MOCP	
				V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB									
DOAS-B1	1,200	1,200	0.75	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	57000	MITSUBISHI	TPEFY	4.0	15	ALL
DOAS-B2	1,200	1,200	0.75	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	57000	MITSUBISHI	TPEFY	4.0	15	ALL
DOAS-B3	1,200	1,200	0.75	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	57000	MITSUBISHI	TPEFY	4.0	15	ALL
DOAS-B4	1,200	1,200	0.75	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	57000	MITSUBISHI	TPEFY	4.0	15	ALL

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE HORIZONTAL UNIT.
4. PROVIDE UNIT WITH HOT GAS REHEAT. UNIT SHALL BE CAPABLE OF REHEATING DISCHARGE AIR TO NEUTRAL 75°F (ADJUSTABLE) FOR DEHUMIDIFICATION.
5. PROVIDE UNIT WITH HANGING ISOLATION KIT.
6. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.
7. PROVIDE UNIT WITH INTEGRAL CONDENSATE DRAIN PUMP WITH MINIMUM 18" LIFT.

VRF INDOOR UNIT SCHEDULE

MARK	LOCATION	FAN					COOLING						HEATING			REMARKS
		SUPPLY AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	CURRENT CHARAC.			AIR TEMPERATURE (°F)				NOM. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	ENTERING AIR TEMP.(°F)	MINIMUM CAPACITY (BTUH)	MCA / MOCP	
				V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB						
AC-B1-001	CORRIDOR	335	0.50	208	1	60	75.0	62.5	55.0	54.5	8,000	6,100	75	13,500	1 / 15	1,2,3,4,6,7,8
AC-B1-1-02	B1-02	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,315	75	6,100	2 / 15	1,2,3,5,6,7,8
AC-B1-1-04	B1-04	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,315	75	6,100	2 / 15	1,2,3,5,6,7,8
AC-B1-1-06	B1-06	335	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,895	75	13,500	2 / 15	1,2,3,5,6,7,8
AC-B1-002	CORRIDOR	335	0.10	208	1	60	75.0	62.5	55.0	54.5	8,000	6,100	75	13,500	1 / 15	1,2,3,4,6,7,8
AC-B1-100	B100	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	23,440	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B1-101	B101	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	23,440	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B1-102	B102	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	23,440	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B1-103	B103	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	23,440	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B1-104	B104	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	23,440	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B1-105	B105	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	23,440	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B1-106	B106	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	23,440	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B2-003	CORRIDOR	280	0.10	208	1	60	75.0	62.5	55.0	54.5	6,000	4,850	75	5,600	1 / 15	1,2,3,4,6,7,8
AC-B2-004	CORRIDOR	280	0.10	208	1	60	75.0	62.5	55.0	54.5	6,000	4,850	75	5,600	1 / 15	1,2,3,4,6,7,8
AC-B2-107	B107	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,890	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B2-108	B108	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,890	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B2-109	B109	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,890	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B2-110	B110	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,890	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B2-111	B111	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,890	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B2-112A	B112	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,765	75	20,000	2 / 15	1,2,3,5,6,7,8,9
AC-B2-112B	B112	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,765	75	20,000	2 / 15	1,2,3,5,6,7,8,9
AC-B2-113	B113	1,200	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	31,280	75	54,000	2 / 15	1,2,3,5,6,7,8,9
AC-B3-2-01	B2-01	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,200	75	5,600	2 / 15	1,2,3,5,6,7,8
AC-B3-2-03	B2-03	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,200	75	5,600	2 / 15	1,2,3,5,6,7,8
AC-B3-2-05	B2-05	280	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,595	75	13,500	2 / 15	1,2,3,5,6,7,8
AC-B3-005	CORRIDOR	325	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,415	75	13,500	1 / 15	1,2,3,4,6,7,8
AC-B3-006	CORRIDOR	325	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,415	75	13,500	1 / 15	1,2,3,4,6,7,8
AC-B3-200	B200	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,645	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B3-201	B201	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,645	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B3-202	B202	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,645	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B3-203	B203	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,645	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B3-204	B204	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,645	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B3-205	B205	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,645	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B3-206	B206	840	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,645	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-007	CORRIDOR	460	0.50	208	1	60	75.0	62.5	55.0	54.5	12,000	7,460	75	20,000	1 / 15	1,2,3,4,6,7,8
AC-B4-008	CORRIDOR	460	0.50	208	1	60	75.0	62.5	55.0	54.5	12,000	7,460	75	20,000	1 / 15	1,2,3,4,6,7,8
AC-B4-209	B209	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,880	75	20,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-210	B210	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,780	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-211	B211	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,780	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-212	B212	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,780	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-213	B213	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	23,780	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-214A	B214	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,880	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-214B	B214	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,880	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-216A	B216	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,880	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-216B	B216	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,880	75	40,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-217A	B217	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,095	75	34,000	2 / 15	1,2,3,5,6,7,8,9
AC-B4-217B	B217	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,095	75	34,000	2 / 15	1,2,3,5,6,7,8,9

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE CEILING MOUNTED 1-WAY CASSETTE.
5. PROVIDE CEILING MOUNTED 4-WAY CASSETTE.
6. PROVIDE WITH REFRIGERANT SERVICE BALL VALVE AT UNIT.
7. PROVIDE UNIT WITH NEEDLEPOINT BIPOLAR IONIZATION KIT WITH UL 2998 CERTIFICATION. BASIS OF DESIGN: GPS NPBI OR APPROVED EQUAL.
8. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.
9. PROVIDE 3X3 CEILING CASSETTE UNIT WITH FACTORY PROVIDED TRIM KIT FOR CASSETTE UNIT TO BE CENTERED BETWEEN 4 TILES IN GRID.

1

100

MARK	NOM. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MIN. EER/IEER	CURRENT CHARACTERISTICS			RELATED UNIT MARK	CONNECTED LOAD PERCENTAGE	MCA	MOCP	MANUFACTURER	MODEL NUMBER	REMARKS
				V	P	F							
DOASCU-B1	120,000	95	10.4 / 19.9	208	3	60	DOAS-B-1	100	50	80	MITSUBISHI	PURY	1
DOASCU-B2	120,000	95	10.4 / 19.9	208	3	60	DOAS-B-2	100	50	80	MITSUBISHI	PURY	1
DOASCU-B3	120,000	95	10.4 / 19.9	208	3	60	DOAS-B-3	100	50	80	MITSUBISHI	PURY	1,2
DOASCU-B4	120,000	95	10.4 / 19.9	208	3	60	DOAS-B-4	100	50	80	MITSUBISHI	PURY	1,2
VRCU-B1	240,000	95	9.7 / 18.8	208	3	60	AC-B1-001, 002, 100, 101, 102, 103, 104, 105, 106, 1-02, 1-04, 1-06	103	100	160	MITSUBISHI	PURY	1
VRCU-B2	216,000	95	10.2 / 20.4	208	3	60	AC-B2-003, 004, 107, 108, 109, 110, 111, 112A, 112B, 113	113	90	140	MITSUBISHI	PURY	1
VRCU-B3	264,000	95	9.4 / 19.15	208	3	60	AC-B3-005, 006, 200, 201, 202, 203, 204, 205, 206, 2-01, 2-03, 2-05	112	110	180	MITSUBISHI	PURY	1
VRCU-B4	288,000	95	9.3 / 20.1	208	3	60	AC-B4-007, 008, 209, 210, 211, 212, 213, 214A, 214B, 216A, 216B, 217A, 217B	110	120	200	MITSUBISHI	TURY	1

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE AROUND CONDENSING UNIT IS 4 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
2. PROVIDE CENTRAL CONTROLLER FOR VRF SYSTEM. CONTROLLER SHALL HAVE BACNET INTERFACE OPTION FOR INTERCONNECTIVITY INTO EXISTING EBRPSS CONTROLS. REFER TO SPECIFICATIONS.

REMARKS:
1. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.

1

VRF BRANCH SELECTOR

MARK	RELATED UNIT MARK	ELECTRICAL					NUM. OF BRANCHES	REMARKS
		CURRENT			MCA	MOCP		
		V	P	F				
BCB-B1	VRCU-B1	208	1	60	1.2	20	12	1
BCB-B2	VRCU-B2	208	1	60	1.2	20	12	1
BCB-B3	VRCU-B3	208	1	60	1.2	20	12	1
BCB-B4	VRCU-B4	208	1	60	1.2	20	12	1
DOASBCB-B1	DOASCU-B1	208	1	60	0.7	20	8	1
DOASBCB-B2	DOASCU-B2	208	1	60	0.7	20	8	1
DOASBCB-B3	DOASCU-B3	208	1	60	0.7	20	8	1
DOASBSB-B-4	DOASCU-B4	208	1	60	0.7	20	9	1

GENERAL NOTES:
1. CONTRACTOR TO INSTALL 'FULL PORT' ISOLATION VALVES AND SCHRADER VALVE UPSTREAM OF EACH BRANCH SELECTOR BOX.
2. BRANCH SELECTORS SHALL HAVE BRAZED CONNECTIONS.

REMARKS:
1. PROVIDE WITH HANGING ISOLATION KIT.

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 finkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION
STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING B
800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

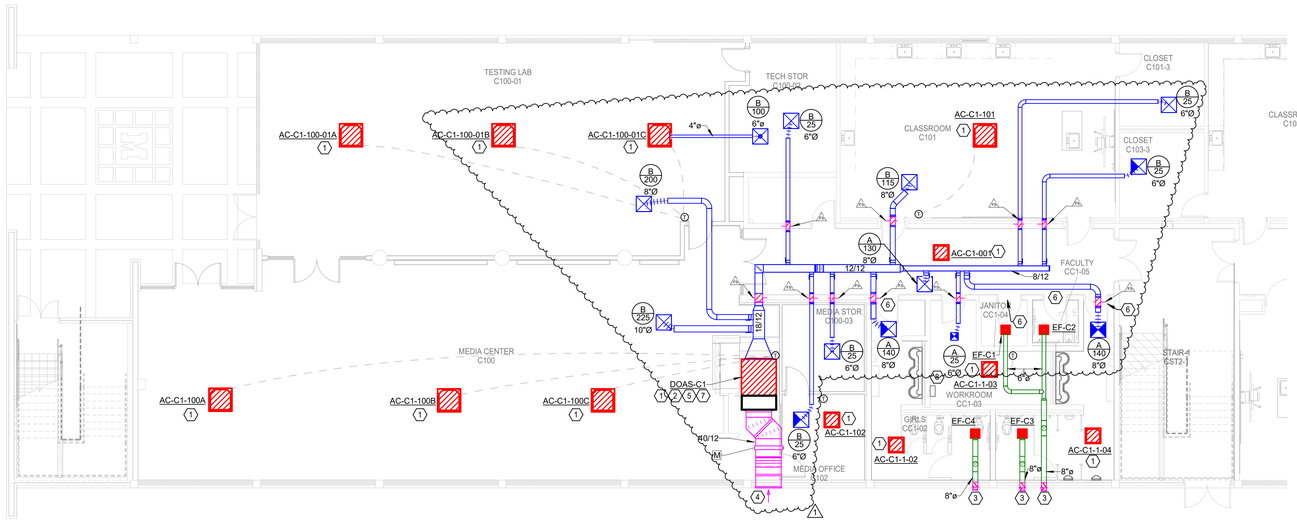
No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL SCHEDULES - BLDG. B

M5.201

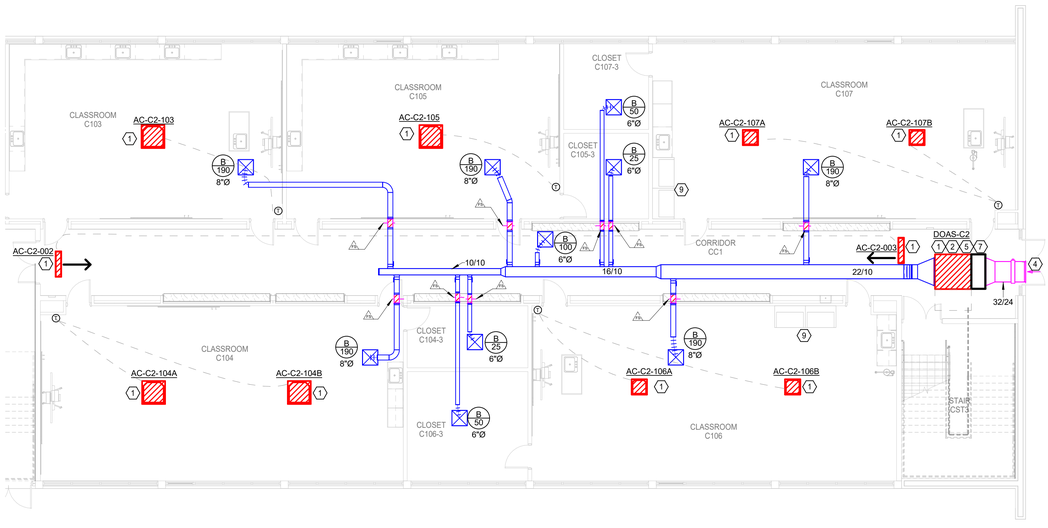
1 Addendum 01 NOVEMBER 6, 2025



N

1 1ST FLOOR - WEST - MECHANICAL FLOOR PLAN - BLDG C

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



N

2 1ST FLOOR - EAST - MECHANICAL FLOOR PLAN - BLDG C

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR. INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

MECHANICAL KEYED NOTES

1. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO EXISTING OUTDOOR CONDENSATE DRAINS. CONTRACTOR TO REUSE EXISTING CONDENSATE CUTOUTS. (RE: 5/M4.302)
2. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M4.302)
3. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO TO WALL CAP. PROVIDE GREENHECK MODEL WC OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS.
4. ROUTE (SIZE AS SHOWN) OUTSIDE AIR DUCT TO INTAKE LOUVER GREENHECK MODEL **EMH-501-42X24 WITH 2.4 SQFT** FREE AREA AND INSECT SCREEN OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED AHU IS IN COOLING OR HEATING MODE. COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. (RE: 4/M4.302)
5. CONTRACTOR TO SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION. (RE: 9/M4.302)
6. UNDERCUT DOOR 1" FOR MAKE UP AIR PATH.
7. PROVIDE RETURN AIR FILTERBOX WITH 4" MERV 13 FILTER INSTALL IN ACCESSIBLE LOCATION.
8. PROVIDE VRF SYSTEM CENTRAL CONTROLLER IN THIS VICINITY. COORDINATE 120V JUNCTION BOX AND DATA CONNECTION WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. COORDINATE EXACT LOCATION WITH ALL OTHER EQUIPMENT INSTALLED IN ROOM.
9. EXISTING FUME HOOD AND ALL ASSOCIATED EXHAUST DUCT TO REMAIN.

DESIGNER'S NOTE:
REFER TO BUILDING B DRAWINGS M2.01 FOR THE FOLLOWING VRF CONDENSING:
- VRCU-C1
- VRCU-C2
- VRCU-C3
- VRCU-C4
- DOASCU-C1
- DOASCU-C2
- DOASCU-C3
- DOASCU-C4

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING C

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

No.	Description	Date
1	Addendum 01	11/14/2025

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025 IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809

Registration: 0005857
Project No: 2550-00603

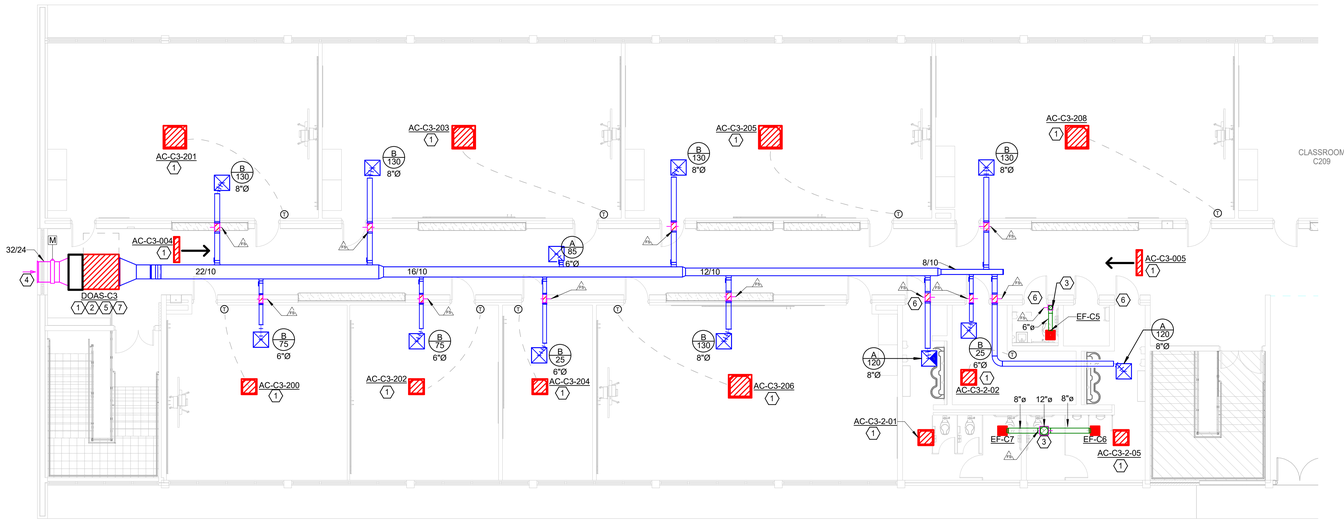
DA project # C24-0038

CA project # 24009

date NOVEMBER 6, 2025

MECHANICAL 1ST FLOOR PLAN - BLDG. C

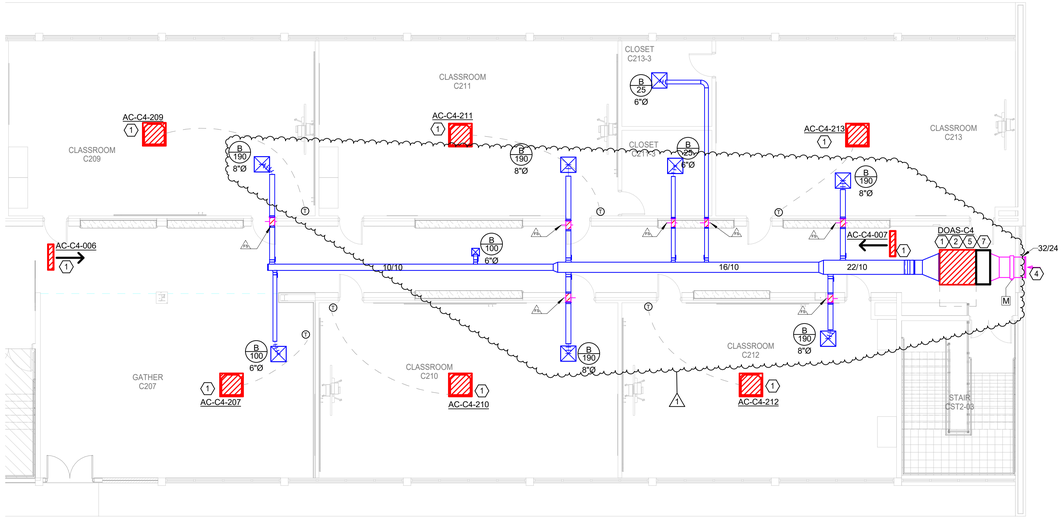
M2.301



N

1 2ND FLOOR - WEST - MECHANICAL FLOOR PLAN - BLDG C

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



N

2 2ND FLOOR - EAST - MECHANICAL FLOOR PLAN - BLDG C

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECTS) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

MECHANICAL KEYED NOTES

1. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO EXISTING OUTDOOR CONDENSATE DRAINS. CONTRACTOR TO REUSE EXISTING CONDENSATE CUTOUTS. (RE: 5/M4.302)
2. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M4.302)
3. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 8 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 12/M4.302)
4. ROUTE (SIZE AS SHOWN) OUTSIDE AIR DUCT TO INTAKE LOUVER GREENHECK MODEL EVH-501-32x24 WITH 2.4 SQFT FREE AREA AND INSECT SCREEN OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED AHU IS ENERGIZED. COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. (RE: 4/M4.302)
5. CONTRACTOR TO SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION. (RE: 9/M4.302)
6. UNDERCUT DOOR 1" FOR MAKE UP AIR PATH.
7. PROVIDE RETURN AIR FILTERBOX WITH 4" MERV 13 FILTER INSTALL IN ACCESSIBLE LOCATION.

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025 IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809

Registration: 0005857
Project No: 2550-00603

ARCHITECT

CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING C
800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL 2ND FLOOR PLAN - BLDG. C

M2.303

1 Addendum 01

NOVEMBER 6, 2025

FAN SCHEDULE

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR			LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
						V	P	F							
EF-C1	JANITOR	50	0.25	1345	0.1	120	1	60	-	CCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-C2	FACILTY RR	70	0.25	1410	0.1	120	1	60	-	CCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-C3	GIRLS 1ST FLOOR RR	210	0.25	900	0.1	120	1	60	-	CCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-C4	BOYS 1ST FLOOR RR	210	0.25	900	0.1	120	1	60	-	CCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-C5	FACILTY RR	70	0.25	1410	0.1	120	1	60	-	CCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-C6	GIRLS 2ND FLOOR RR	210	0.25	900	0.1	120	1	60	-	CCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-C7	BOYS 2ND FLOOR RR	210	0.25	900	0.1	120	1	60	-	CCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH INTEGRAL DISCONNECT, BACKDRAFT DAMPER, VIBRATION ISOLATION KIT AND DECORATIVE GRILLE.

DAMPER

MARK	ACTUATOR	DUTY	BLADE ACTION	MANUFACTURER	MODEL NUMBER	REMARKS
D-1	MANUAL BALANCING	UNDER 9" WIDE	N/A	N/A	N/A	SEE SMACNA CONSTRUCTION DETAILS REFERENCED "TYPICAL CONSTRUCTION DETAILS FOR LOW VELOCITY DUCTS."
D-2	MANUAL BALANCING	OVER 9" WIDE	OPPOSED	RUSKIN	MD-35	MANUAL DAMPER WITH STANDARD CONSTRUCTION FEATURES AND VENTLOCK #639 LOCKING REGULATOR.
D-3	MOTORIZED	OVER 9" WIDE	OPPOSED	RUSKIN	CD-60	LOW LEAKAGE DAMPER WITH BLADE SEALS

NOTES:
N/A - NOT APPLICABLE

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
A	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	SURFACE MOUNT CEILING FRAME STYLE WITH 18"X18" OR 12"X12" FACE.
B	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.

GENERAL NOTES:
1. DAMPERS NOTED AS U.L. SHALL BE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.
2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

REMARKS:
1. N/A

DEDICATED OUTSIDE AIR UNIT - INDOOR UNIT

MARK	FAN										HEATING		BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	CURRENT CHAR			AIR TEMPERATURE (°F)				MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	ENTERING AIR TEMP.(°F)	MIN. TOTAL CAPACITY (BTUH)	MANUFACTURER	MODEL	MCA	MOCP	
				V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB									
DOAS-C1	1,200	1,200	0.75	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	64800	MITSUBISHI	TPEFY	4.0	15	ALL
DOAS-C2	1,200	1,200	0.75	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	64800	MITSUBISHI	TPEFY	4.0	15	ALL
DOAS-C3	1,200	1,200	0.75	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	64800	MITSUBISHI	TPEFY	4.0	15	ALL
DOAS-C4	1,200	1,200	0.75	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	64800	MITSUBISHI	TPEFY	4.0	15	ALL

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE HORIZONTAL UNIT.
4. PROVIDE UNIT WITH HOT GAS REHEAT. UNIT SHALL BE CAPABLE OF REHEATING DISCHARGE AIR TO NEUTRAL 75°F (ADJUSTABLE) FOR DEHUMIDIFICATION.
5. PROVIDE UNIT WITH HANGING ISOLATION KIT.
6. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.
7. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.

VRF INDOOR UNIT SCHEDULE

MARK	LOCATION	FAN					COOLING					HEATING			MCA	MOCP	REMARKS
		SUPPLY AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	CURRENT CHARAC.			AIR TEMPERATURE (°F)				NOM. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	ENTERING AIR TEMP.(°F)	MINIMUM CAPACITY (BTUH)			
				V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB							
AC-C1-001	CORRIDOR	280	0.10	208	1	60	75.0	62.5	55.0	54.5	15,000	9,460	75	17,000	2	15	1,2,3,5,6,7,8
AC-C1-1-02	1-02	335	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,260	75	5,600	2	15	1,2,3,5,6,7,8
AC-C1-1-03	1-03	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,260	75	5,600	2	15	1,2,3,5,6,7,8
AC-C1-1-04	1-04	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,260	75	5,600	2	15	1,2,3,5,6,7,8
AC-C1-100-01A	100-01	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,070	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C1-100-01B	100-01	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,070	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C1-100-01C	100-01	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,070	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C1-100A	100	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	14,020	75	20,000	2	15	1,2,3,5,6,7,8,9
AC-C1-100B	100	800	0.10	208	1	60	75.0	62.5	55.0	54.5	24,000	16,215	75	27,000	2	15	1,2,3,5,6,7,8,9
AC-C1-100C	100	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	14,020	75	20,000	2	15	1,2,3,5,6,7,8,9
AC-C1-101	101	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,335	75	34,000	2	15	1,2,3,5,6,7,8,9
AC-C1-102	102	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,260	75	5,600	2	15	1,2,3,5,6,7,8
AC-C2-002	CORRIDOR	300	0.10	208	1	60	75.0	62.5	55.0	54.5	6,000	4,875	75	6,700	1	15	1,2,3,4,6,7,8
AC-C2-003	CORRIDOR	300	0.10	208	1	60	75.0	62.5	55.0	54.5	6,000	4,875	75	6,700	1	15	1,2,3,4,6,7,8
AC-C2-103	103	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,025	75	34,000	2	15	1,2,3,5,6,7,8,9
AC-C2-104A	104	800	0.10	208	1	60	75.0	62.5	55.0	54.5	24,000	15,965	75	27,000	2	15	1,2,3,5,6,7,8,9
AC-C2-104B	104	800	0.10	208	1	60	75.0	62.5	55.0	54.5	24,000	15,965	75	27,000	2	15	1,2,3,5,6,7,8,9
AC-C2-105	105	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,025	75	34,000	2	15	1,2,3,5,6,7,8,9
AC-C2-106A	106	450	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	11,200	75	20,000	2	15	1,2,3,5,6,7,8
AC-C2-106B	106	450	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	11,200	75	20,000	2	15	1,2,3,5,6,7,8
AC-C2-107A	107	390	0.10	208	1	60	75.0	62.5	55.0	54.5	15,000	9,300	75	17,000	2	15	1,2,3,5,6,7,8
AC-C2-107B	107	390	0.10	208	1	60	75.0	62.5	55.0	54.5	15,000	9,300	75	17,000	2	15	1,2,3,5,6,7,8
AC-C3-2-01	2-01	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,300	75	5,600	2	15	1,2,3,5,6,7,8
AC-C3-2-02	2-02	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,300	75	5,600	2	15	1,2,3,5,6,7,8
AC-C3-2-05	2-05	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,300	75	5,600	2	15	1,2,3,5,6,7,8
AC-C3-004	CORRIDOR	380	0.10	208	1	60	75.0	62.5	55.0	54.5	15,000	9,310	75	17,000	1	15	1,2,3,4,6,7,8
AC-C3-005	CORRIDOR	380	0.10	208	1	60	75.0	62.5	55.0	54.5	15,000	9,310	75	17,000	1	15	1,2,3,4,6,7,8
AC-C3-200	200	800	0.10	208	1	60	75.0	62.5	55.0	54.5	24,000	16,465	75	27,000	2	15	1,2,3,5,6,7,8,9
AC-C3-201	201	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,445	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C3-202	202	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	14,195	75	20,000	2	15	1,2,3,5,6,7,8,9
AC-C3-203	203	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,445	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C3-204	204	300	0.10	208	1	60	75.0	62.5	55.0	54.5	8,000	6,090	75	9,000	2	15	1,2,3,5,6,7,8
AC-C3-205	205	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,445	75	40,000	2	15	1,2,3,5,6,7,8
AC-C3-206	206	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,445	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C3-208	208	380	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,445	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C4-006	CORRIDOR	380	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,545	75	17,000	1	15	1,2,3,4,6,7,8
AC-C4-007	CORRIDOR	380	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,545	75	17,000	1	15	1,2,3,4,6,7,8
AC-C4-207	207	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,300	75	34,000	2	15	1,2,3,5,6,7,8,9
AC-C4-209	209	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,025	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C4-210	210	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,025	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C4-211	211	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,025	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C4-212	212	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,025	75	40,000	2	15	1,2,3,5,6,7,8,9
AC-C4-213	213	1,000	0.10	208	1	60	75.0	62.5	55.0	54.5	36,000	24,025	75	40,000	2	15	1,2,3,5,6,7,8,9

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE CEILING MOUNTED 1-WAY CASSETTE
5. PROVIDE CEILING MOUNTED 4-WAY CASSETTE.
6. PROVIDE WITH REFRIGERANT SERVICE BALL VALVE AT UNIT.
7. PROVIDE UNIT WITH NEEDLEPOINT BIPOLAR IONIZATION KIT WITH UL 2998 CERTIFICATION. BASIS OF DESIGN: GPS NPBI OR APPROVED EQUAL.
8. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.
9. PROVIDE 3X3 CEILING CASSETTE UNIT WITH FACTORY PROVIDED TRIM KIT FOR CASSETTE UNIT TO BE CENTERED BETWEEN 4 TILES IN GRID.

DESIGNER'S NOTE:
REFER TO BUILDING B M2.201 DRAWINGS FOR LOCATIONS OF THE FOLLOWING VRF CONDENSING UNITS:
- VRCU-C1
- VRCU-C2
- VRCU-C3
- VRCU-C4
- DOASCU-C1
- DOASCU-C2
- DOASCU-C3
- DOASCU-C4

DESIGN INTENT IS TO LOCATE VRF CONDENSING UNITS SERVING INDIVIDUAL ZONES NEAR THE NEW CONNECTOR CORRIDOR.

AIR COOLED VRF CONDENSING UNIT (HEAT RECOVERY)

MARK	NOM. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ IEER	CURRENT CHARACTERISTICS			RELATED UNIT MARK	CONNECTED LOAD PERCENTAGE	MCA	MOCP	MANUFACTURER	MODEL NUMBER	REMARKS
				V	P	F							
DOASCU-C1	120,000	95	8.6 / 19.9	208	3	60	DOAS-C1	100	50	80	MITSUBISHI	PURY	1
DOASCU-C2	120,000	95	8.6 / 19.9	208	3	60	DOAS-C2	100	50	80	MITSUBISHI	PURY	1
DOASCU-C3	120,000	95	8.6 / 19.9	208	3	60	DOAS-C3	100	50	80	MITSUBISHI	PURY	1
DOASCU-C4	120,000	95	8.6 / 19.9	208	3	60	DOAS-C4	100	50	80	MITSUBISHI	PURY	1
VRCU-C1	216,000	95	10.1 / 20.4	208	3	60	AC-C1-001, 100A, 100B, 100C, 100-01A, 100-01B, 100-01C, 101, 102, 1-02, 1-03, 1-04	107	90	140	MITSUBISHI	PURY	1
VRCU-C2	168,000	95	9.8 / 20.8	208	3	60	AC-C2-002, 003, 103, 104A, 104B, 105, 106A, 106B, 107A, 107B	110	66	110	MITSUBISHI	PURY	1
VRCU-C3	264,000	95	9.4 / 19.1	208	3	60	AC-C3-004, 005, 200, 201, 202, 203, 204, 205, 206, 208, 2-01, 2-02, 2-05	104	110	180	MITSUBISHI	PURY	1
VRCU-C4	216,000	95	10.1 / 20.4	208	3	60	AC-C4-006, 007, 207, 209, 210, 211, 212, 213	108	90	140	MITSUBISHI	PURY	1

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE AROUND CONDENSING UNIT IS 4 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
2. PROVIDE CENTRAL CONTROLLER FOR VRF SYSTEM. CONTROLLER SHALL HAVE BACNET INTERFACE OPTION FOR INTERCONNECTIVITY INTO EXISTING EBRPSS CONTROLS. REFER TO SPECIFICATIONS.

REMARKS:
1. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S INSTRUCTIONS.

VRF BRANCH SELECTOR

MARK	RELATED UNIT MARK	ELECTRICAL					NUM. OF BRANCHES	REMARKS
		V	P	F	MCA	MOCP		
BCB-C1	VRCU-C1	208	1	60	1.2	20	12	1
BCB-C2	VRCU-C2	208	1	60	0.8	20	8	1
BCB-C3	VRCU-C3	208	1	60	1.6	20	16	1
BCB-C4	VRCU-C4	208	1	60	0.8	20	8	1
DOASBCB-C1	DOASCU-C1	208	1	60	0.7	20	8	1
DOASBCB-C2	DOASCU-C2	208	1	60	0.7	20	8	1
DOASBCB-C3	DOASCU-C3	208	1	60	0.7	20	8	1,2
DOASBCB-C4	DOASCU-C4	208	1	60	0.7	20	8	1,2

GENERAL NOTES:
1. CONTRACTOR TO INSTALL 'FULL PORT' ISOLATION VALVES AND SCHRADER VALVE UPSTREAM OF EACH BRANCH SELECTOR BOX.
2. BRANCH SELECTORS SHALL HAVE BRAZED CONNECTIONS.

REMARKS:
1. PROVIDE WITH HANGING ISOLATION KIT.
2. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025 IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION
STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING C
800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

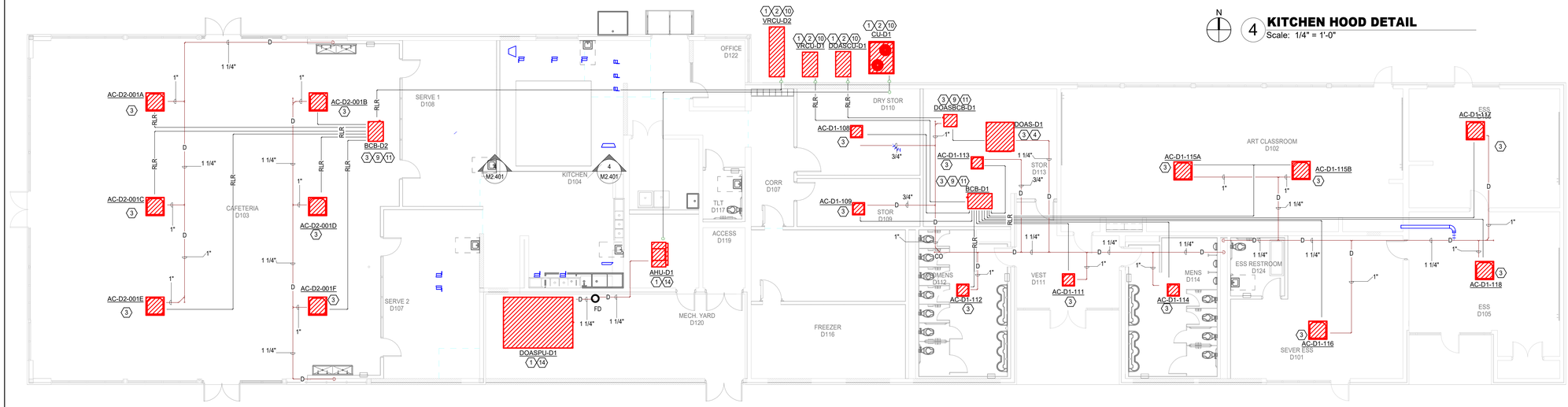
No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL SCHEDULES - BLDG. C

M5.301

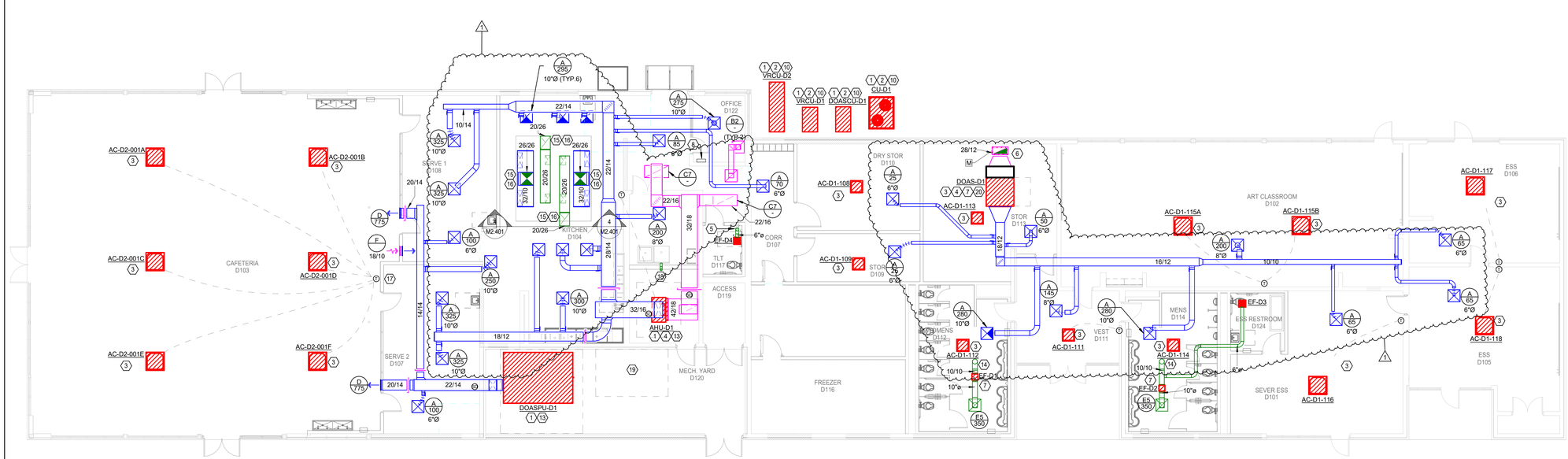
1 Addendum 01 NOVEMBER 6, 2025



N

1 MECHANICAL FLOOR PLAN - BUILDING D

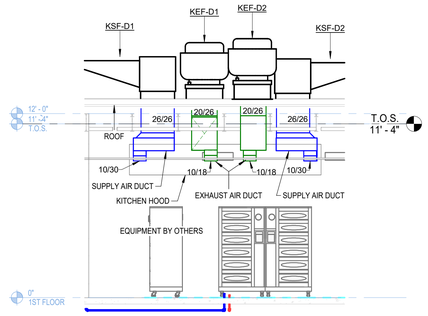
Scale: 1/8" = 1'-0"



N

2 MECHANICAL PIPING PLAN - BUILDING D

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



4 KITCHEN HOOD DETAIL

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

5.) REFER TO ARCHITECTURAL FOR ALL SOFFIT GRILLE MOUNTING LOCATIONS.

MECHANICAL KEYED NOTES

1. PROVIDE 4" THICK REINFORCED CONCRETE HOUSEKEEPING PAD. SIZE PAD PER UNIT MANUFACTURERS RECOMMENDATIONS. (RE: 7/M4.402)
2. FIELD ROUTE REFRIGERANT LINES UP OUTSIDE EXTERIOR WALL AND PENETRATE WALL IN CEILING SPACE TO RESPECTIVE INDOOR UNIT. COORDINATE WITH ARCHITECT FOR EXACT ROUTING LOCATIONS PRIOR TO MOUNTING. PROVIDE EXTERIOR PIPE WITH LINESIDE HIDE. (RE: 12/M4.402)
3. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO HUB DRAIN. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION HUB DRAIN. (RE: 5/M4.402)
4. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M4.402)
5. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 8 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 10/M4.402)
6. ROUTE OUTSIDE AIR DUCT (SIZES SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL FGI12X30 OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED FCU IS IN COOLING OR HEATING MODE. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. (RE: 10/M4.402)
7. CONTRACTOR TO SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION. (RE: 11/M4.402)
8. PROVIDE VRF SYSTEM CENTRAL CONTROLLER IN THIS VICINITY. COORDINATE 120V JUNCTION BOX AND DATA CONNECTION WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. COORDINATE EXACT LOCATION WITH ALL OTHER EQUIPMENT INSTALLED IN ROOM.
9. PROVIDE A BRANCH SELECTOR BOX IN AN ACCESSIBLE LOCATION IN THIS VICINITY. PROVIDE DRAIN PAN UNDER BRANCH SELECTOR AND EXTEND UNDER BALL VALVES. OTHER MANUFACTURER'S BRANCH CONTROLLERS SHALL BE LOCATED IN THE SAME EXACT LOCATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH THE CHANGE OF QUANTITY AND/OR LOCATION OF OTHER MANUFACTURER'S BRANCH CONTROLLERS.
10. TYPE "K" HARD COPPER SHALL BE USED FOR ALL REFRIGERANT LINES FROM THE OUTDOOR UNITS TO ITS ASSOCIATED BRANCH CONTROLLER AND IN ALL AREAS WHERE COPPER WILL BE EXPOSED (TYPICAL). CONTRACTOR SHALL ROUTE REFRIGERANT PIPING NEAT AND STRAIGHT. ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
11. TYPE "L" SOFT COPPER SHALL BE USED FOR REFRIGERANT LINES FROM THE BRANCH CONTROLLER TO EACH VRF INDOOR UNIT OFF OF THAT SYSTEM (TYPICAL). ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
12. FREEZER CONDENSING UNIT LOCATION.
13. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO FLOOR DRAIN. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION FLOOR DRAIN. (RE: 5/M4.402)
14. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 10 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 10/M4.402)
15. SUPPLY/EXHAUST DUCT DOWN TO RESPECTIVE HOOD COLLAR. DUCT SAME SIZE AS HOOD COLLAR OPENING. HOOD PROVIDED BY OTHERS. COORDINATE WITH HOOD DETAILS, RE: ARCH.
16. INSTALL ACCESS PANELS AT EACH TURN IN DIRECTION AND EVERY 12 FEET OF WELDED KITCHEN EXHAUST DUCTWORK. EXHAUST DUCTWORK SHALL BE SLOPED BACK TOWARDS THE HOOD AT A MINIMUM OF 1/4" PER FOOT.
17. PROVIDE TAMPER RESISTANT T-STAT COVER. LOCK OUT T-STAT SET TO 75°F FOR COOLING. REFER TO ARCHITECTURAL DIAGRAM FOR MOUNTING HEIGHT AND LOCATION.
18. ROUTE 4"Ø DRYER EXHAUST VENT TO LOW PROFILE DRYER VENT ROOF CAP WITH BACKDRAFT DAMPER. PROVIDE INOVATE MODEL 477 OR APPROVED EQUAL. CONTRACTOR TO VERIFY THAT DRYER DUCT DISTANCE DOES NOT EXCEED MAXIMUM EQUIVALENT LENGTH. PROVIDE PERMANENT NAMEPLATE WITH TOTAL DUCT RUN WITHIN 6'-0" FROM EXHAUST CONNECTION. (RE: 14/M4.4.2)
19. FREEZER CONDENSING UNIT LOCATION.
20. PROVIDE RETURN AIR FILTERBOX WITH 4" MERV 13 FILTER INSTALL IN ACCESSIBLE LOCATION.

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER

11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING D

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038

CA project # 24009

date NOVEMBER 6, 2025

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025 IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809

Registration: 0005857
Project No: 2550-00603

MECHANICAL FLOOR PLANS - BLDG. D

M2.401

1 Addendum 01

NOVEMBER 6, 2025

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
A	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.
B	RETURN	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	50F	EXPOSED T-BAR CEILING FRAME STYLE WITH A 24"X24" FACE. PERFORATED.
C	RETURN	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	50F	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X48" FACE.
D	SUPPLY	GRILLE	-	ALUMINUM	BY ARCH	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)
E	EXHAUS	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	50F	SURFACE MOUNT CEILING FRAME STYLE WITH 18"X18" OR 12"X12" FACE. PERFERATED FACE.
F	RETURN	TRANSFER	-	ALUMINUM	BY ARCH	TITUS	350RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)

GENERAL NOTES:
1. DAMPERS NOTED AS U.L. SHALL BE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.
2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

REMARKS:
1. N/A

AIR COOLED CONDENSING UNIT

MARK	NOM. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP. (°F)	MINIMUM EER/ IEER	CURRENT CHAR.			RELATED UNIT MARK	BASIS OF DESIGN				REMARKS
				V	P	F		MANUFACTURER	MODEL	MCA	MOCP	
CU-D1	120,000	95	11.0 / 14.2	208	3	60	AHU-1	CARRIER	38AXD	41	50	ALL

GENERAL NOTES:
A. MINIMUM RECOMMENDEDLD CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH LOW AMBIENT CONTROL DOWN TO 20°F.
2. PROVIDE WITH DISCONNECT SWITCH.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.

PACKAGED DOAS UNIT

MARK	LOCATION.	FAN						COOLING								HEATING		BASIS OF DESIGN				REMARKS
		SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHARAC.		AIR TEMPERATURE (°F)					MIN. TOTAL CAPACITY (BTUH)	MIN. SENS CAPACITY (BTUH)	MINIMUM EER/ SEER	NUMBER OF STAGES	ENTERING AIR TEMP.(°F)	MIN. TOTAL CAPACITY (BTUH)	MANUF.	MODEL NUMBER	MCA	MOCP	
						V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	AMBIENT TEMP										
DOASPU-D1	D119 MECH	2000	2,000	2.00	2.0	208	3	60	95.0	77.0	55	54.5	95.0	156,600	86400	1	2	25.0	108,000	AAON	RNA	166	175	ALL

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE UNIT WITH DISCONNECT SWITCH & ROOF CURB.
2. PROVIDE UNIT WITH FACTORY MOUNTED GFCI RECEPTACLE FOR UNIT WITH LOW AMBIENT CONTROL. ELECTRICIAN TO WIRE TO SEPARATE CIRCUIT.
3. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL COSTS IF ALTERNATE UNIT IS PROVIDED WITH GREATER ELECTRICAL CHARACTERISTICS THAN SHOWN.
4. PROVIDE GROUND MOUNTED PACKAGED UNIT.

AIR HANDLING UNIT SCHEDULE

MARK	LOCATION.	FAN							COOLING						HEATING					BASIS OF DESIGN				REMARKS
		CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSE POWER	CURRENT CHAR			AIR TEMPERATURE (°F)				NOM. TOTAL CAPACITY (BTUH)	NOM. SENS CAPACITY (BTUH)	MINIMUM EER/ IEER	NUMBER OF STAGES	ENTERING AIR TEMP.(°F)	LEAVING AIR TEMP.(°F)	KW (@ 208)	NUMBER OF STAGES	CURRENT CHARAC.			MANUFACTURER	MODEL	MCA	MOCP	
						V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB									V	P	F					
AHU-D1	D119	4000	500	0.85	3	208	3	208	77.4	64.6	55.0	54.5	120,000	90,000	11.0 / 14.2	2	63.9	90	35	2	208	3	60	CARRIER	40RLA	92	100	ALL

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE FRONT RETURN TOP SUPPLY UNIT.
5. PROVIDE VERTICAL UNIT.

DEDICATED OUTSIDE AIR UNIT - INDOOR UNIT

MARK	FAN				CURRENT CHAR			AIR TEMPERATURE (°F)				MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	HEATING		BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	HORSE POWER	V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB			ENTERING AIR TEMP.(°F)	MIN. TOTAL CAPACITY (BTUH)	MANUFACTURER	MODEL	MCA	MOCP	
DOAS-D1	1,200	1,200	1.50	2.0	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	64800	MITSUBISHI	TPEFY	4.0	15	1,2,3,4,5,6,7,8,9,10

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE HORIZONTAL UNIT.
4. PROVIDE UNIT WITH HOT GAS REHEAT. UNIT SHALL BE CAPABLE OF REHEATING DISCHARGE AIR TO NEUTRAL 75°F (ADJUSTABLE) FOR DEHUMIDIFICATION.
5. PROVIDE UNIT WITH HANGING ISOLATION KIT.
6. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.
7. PROVIDE UNIT WITH INTEGRAL CONDENSATE DRAIN PUMP WITH MINIMUM 18" LIFT.

VRF FAN/COIL UNIT

MARK	LOCATION	FAN					COOLING						HEATING		MCA	MOCP	REMARKS
		SUPPLY AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	CURRENT CHARAC.			AIR TEMPERATURE (°F)				NOM. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	ENTERING AIR TEMP.(°F)	MINIMUM CAPACITY (BTUH)			
				V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB							
AC-D1-108	D108	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,180	75	5,600	2	15	1,2,3,4,5,6,7
AC-D1-109	D109	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,180	75	5,600	2	15	1,2,3,4,5,6,7
AC-D1-111	D111	390	0.10	208	1	60	75.0	62.5	55.0	54.5	15,000	9,195	75	17,000	2	15	1,2,3,4,5,6,7
AC-D1-112	D112	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,180	75	5,600	2	15	1,2,3,4,5,6,7
AC-D1-113	D113	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,180	75	5,600	2	15	1,2,3,4,5,6,7
AC-D1-114	D114	280	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,180	75	5,600	2	15	1,2,3,4,5,6,7
AC-D1-115A	D115	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,820	75	34,000	2	15	ALL
AC-D1-115B	D115	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,820	75	34,000	2	15	ALL
AC-D1-116	D116	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,820	75	34,000	2	15	ALL
AC-D1-117	D117	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,820	75	34,000	2	15	ALL
AC-D1-118	D118	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	19,820	75	34,000	2	15	ALL
AC-D2-001A	CAFETERIA	1,200	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	31,725	75	54,000	2	15	ALL
AC-D2-001B	CAFETERIA	1,200	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	31,725	75	54,000	2	15	ALL
AC-D2-001C	CAFETERIA	1,200	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	31,725	75	54,000	2	15	ALL
AC-D2-001D	CAFETERIA	1,200	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	31,725	75	54,000	2	15	ALL
AC-D2-001E	CAFETERIA	1,200	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	31,725	75	54,000	2	15	ALL
AC-D2-001F	CAFETERIA	1,200	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	31,725	75	54,000	2	15	ALL

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE CEILING MOUNTED 4-WAY CASSETTE.
5. PROVIDE WITH REFRIGERANT SERVICE BALL VALVE AT UNIT.
6. PROVIDE UNIT WITH NEEDLEPOINT BIPOLAR IONIZATION KIT WITH UL 2998 CERTIFICATION. BASIS OF DESIGN: GPS NPBI OR APPROVED EQUAL.
7. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.
8. PROVIDE 5X3 CEILING CASSETTE UNIT WITH FACTORY PROVIDED TRIM KIT FOR CASSETTE UNIT TO BE CENTERED BETWEEN 4 TILES IN GRID.

1

AIR COOLED VRF CONDENSING UNIT (HEAT RECOVERY)

MARK	NOM. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP. (°F)	MINIMUM EER/IEER	CURRENT CHARACTERISTICS			RELATED UNIT MARK	CONNECTED LOAD PERCENTAGE	MCA	MOCP	MANUFACTURER	MODEL NUMBER	REMARKS
				V	P	F							
DOASCU-D1	120,000	95	8.6 / 19.9	208	3	60	DOAS-D1	100	50	80	MITSUBISHI	PURY	1
VRCU-D1	168,000	95	10.0 / 21.2	208	3	60	AC-D1-111, 112, 114, 115A, 115B, 116, 117, 118	113	66	110	MITSUBISHI	PURY	1
VRCU-D2	264,000	95	9.5 / 19.4	208	3	60	AC-D2-001, 002, 003, 004, 005, 006	109	120	180	MITSUBISHI	PURY	1

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE AROUND CONDENSING UNIT IS 4 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
2. PROVIDE CENTRAL CONTROLLER FOR VRF SYSTEM. CONTROLLER SHALL HAVE BACNET INTERFACE OPTION FOR INTERCONNECTIVITY INTO EXISTING EBRPSS CONTROLS. REFER TO SPECIFICATIONS.

REMARKS:
1. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S INSTRUCTIONS.

1

VRF BRANCH SELECTOR

MARK	RELATED UNIT MARK	ELECTRICAL					NUM. OF BRANCHES	REMARKS
		V	P	F	MCA	MOCP		
BCB-D1	VRCU-D1	208	1	60	0.8	20	8	1
BCB-D2	VRCU-D2	208	1	60	0.8	20	8	1
DOASBCB-D1	DOASCU-D1	208	1	60	0.7	20	8	1

GENERAL NOTES:
1. CONTRACTOR TO INSTALL 'FULL PORT' ISOLATION VALVES AND SCHRADER VALVE UPSTREAM OF EACH BRANCH SELECTOR BOX.
2. BRANCH SELECTORS SHALL HAVE BRAZED CONNECTIONS.

REMARKS:
1. PROVIDE WITH HANGING ISOLATION KIT.

FAN SCHEDULE

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR			LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
						V	P	F							
EF-D1	WOMEN/MENS RR	350	0.33	1,665	0.17	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	INLINE	BELT	GREENHECK	SQ	2
EF-D2	WOMEN/MENS RR	350	0.33	1,665	0.17	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	INLINE	BELT	GREENHECK	SQ	2
EF-D3	TLT	70	0.25	1,410	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-D4	TLT	70	0.25	1,410	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
KEF-D1	ROOF	3850	1.50	1,410	2	208	1	60	-	KITCHEN HOOD	ROOF MOUNTED	BELT	GREENHECK	CUBE	3,4
KEF-D2	ROOF	3850	1.50	1,410	2	208	1	60	-	KITCHEN HOOD	ROOF MOUNTED	BELT	GREENHECK	CUBE	3,4
KSF-D1	ROOF	3080	0.62	1,750	1.5	208	1	60	-	KITCHEN HOOD	ROOF MOUNTED	DIRECT	GREENHECK	KSQ	4
KSF-D2	ROOF	3080	0.62	1,750	1.5	208	1	60	-	KITCHEN HOOD	ROOF MOUNTED	DIRECT	GREENHECK	KSQ	4

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH INTEGRAL DISCONNECT, BACKDRAFT DAMPER, VIBRATION ISOLATION KIT AND DECORATIVE GRILLE.
2. PROVIDE WITH INTEGRAL DISCONNECT, BACKDRAFT DAMPER, AND VIBRATION ISOLATION KIT.
3. PROVIDE WITH GREASE BOX.
4. PROVIDE WITH ROOF CURB, AND MOTOR STARTER.

1 Addendum 01

NOVEMBER 6, 2025

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION
STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING D

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
1	Addendum 01	11/14/2025

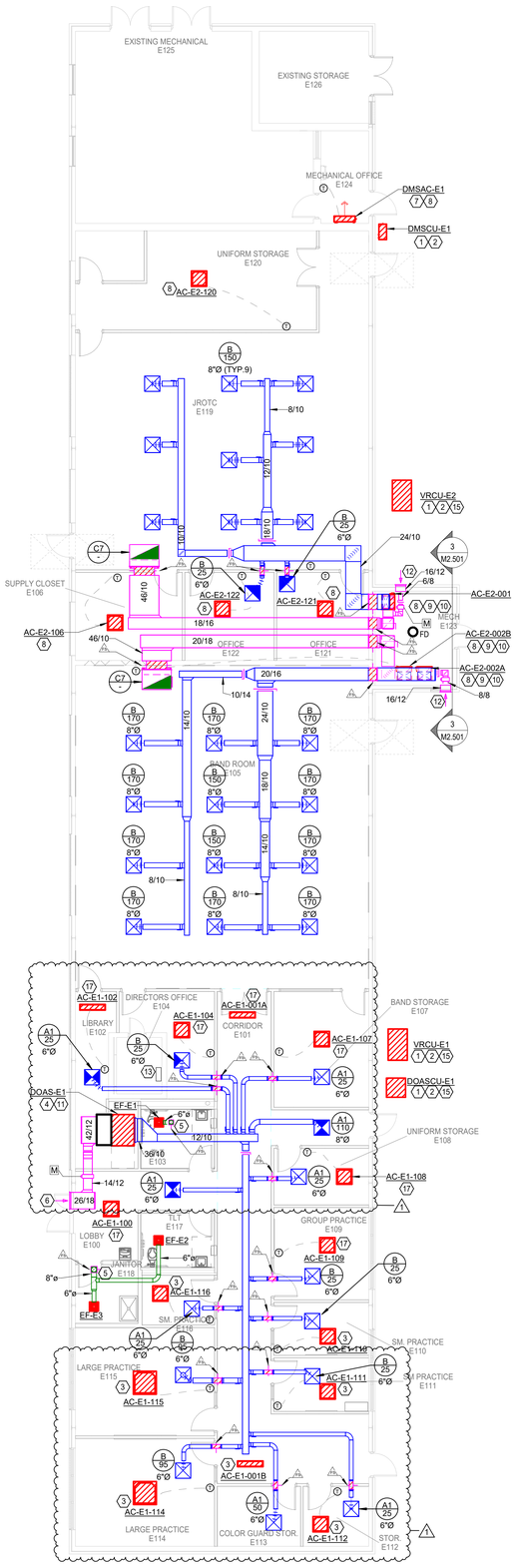
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025 IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL SCHEDULES - BLDG. D

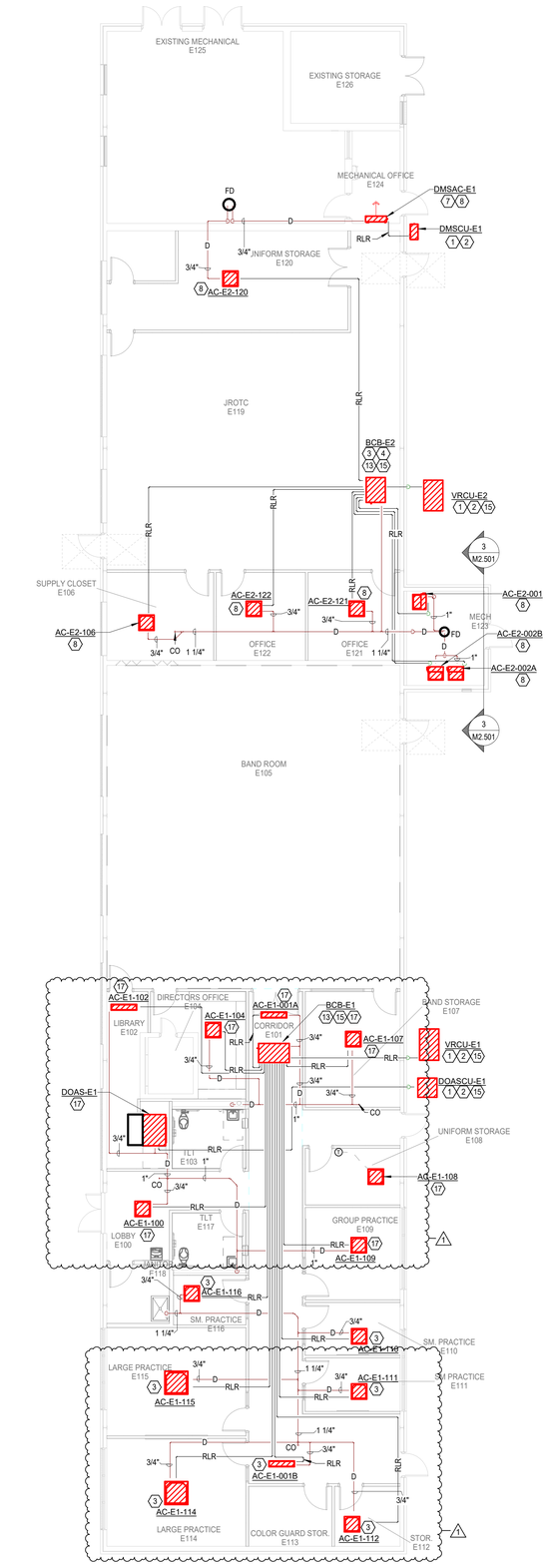
M5.401



N

1 MECHANICAL FLOOR PLAN - BUILDING E

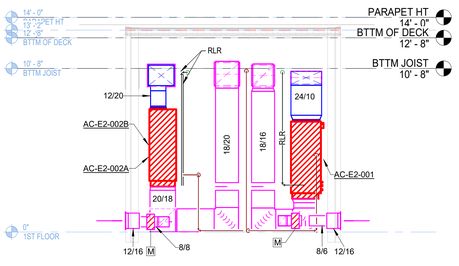
Scale: 1/8" = 1'-0"



N

2 MECHANICAL PIPING PLAN - BUILDING E

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



N

3 ENLARGED MECH E123 SECTION VIEW

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECTS) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

MECHANICAL KEYED NOTES

1. PROVIDE 4" THICK REINFORCED CONCRETE HOUSEKEEPING PAD. SIZE PAD PER UNIT MANUFACTURERS RECOMMENDATIONS. (RE: 7/M4.502)
2. FIELD ROUTE REFRIGERANT LINES UP OUTSIDE EXTERIOR WALL TO RESPECTIVE INDOOR UNIT. COORDINATE WITH ARCHITECT FOR EXACT ROUTING LOCATIONS PRIOR TO MOUNTING. PROVIDE EXTERIOR PIPE WITH LINESIDE HIDE. (RE: 10/M4.502)
3. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO MOP SINK. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION MOP SINK. (RE: 5/M4.502)
4. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M4.902)
5. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 8 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 12/M4.502)
6. ROUTE (SIZE AS SHOWN) OUTSIDE AIR DUCT TO INTAKE LOUVER GREENHECK MODEL EVH-501-26X18 WITH 1.3 SQFT FREE AREA AND INSECT SCREEN OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED AHU IS IN COOLING OR HEATING MODE. COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. (RE: 4/M4.502)
7. MOUNT UNIT HIGH ON WALL.
8. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO FLOOR DRAIN. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION FLOOR DRAIN. (RE: 5/M4.502)
9. REFER TO DETAIL (RE: 9/M4.502) FOR VERTICAL AIR HANDLER INSTALLATION.
10. PROVIDE UNITS WITH MEANS OF VIBRATION ISOLATION MOUNTING. (RE:11/M4.502)
11. PROVIDE RETURN AIR FILTERBOX WITH 4" MERV 13 FILTER INSTALL IN ACCESSIBLE LOCATION.
12. ROUTE (SIZE AS SHOWN) OUTSIDE AIR DUCT TO INTAKE LOUVER GREENHECK MODEL EVH-501 WITH 0.4 SQFT FREE AREA AND INSECT SCREEN OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER AND MANUAL BALANCING DAMPER.. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED AHU IS IN COOLING OR HEATING MODE. COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. (RE: 4/M4.502)
13. PROVIDE VRF SYSTEM CENTRAL CONTROLLER IN THIS VICINITY. COORDINATE 120V JUNCTION BOX AND DATA CONNECTION WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. COORDINATE EXACT LOCATION WITH ALL OTHER EQUIPMENT INSTALLED IN ROOM.
14. PROVIDE A BRANCH SELECTOR BOX IN AN ACCESSIBLE LOCATION IN THIS VICINITY. PROVIDE DRAIN PAN UNDER BRANCH SELECTOR AND EXTEND UNDER BALL VALVES. OTHER MANUFACTURER'S BRANCH CONTROLLERS SHALL BE LOCATED IN THE SAME EXACT LOCATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH THE CHANGE OF QUANTITY AND/OR LOCATION OF OTHER MANUFACTURER'S BRANCH CONTROLLERS.
15. TYPE "K" HARD COPPER SHALL BE USED FOR ALL REFRIGERANT LINES FROM THE OUTDOOR UNITS TO ITS ASSOCIATED BRANCH CONTROLLER AND IN ALL AREAS WHERE COPPER WILL BE EXPOSED (TYPICAL). CONTRACTOR SHALL ROUTE REFRIGERANT PIPING NEAT AND STRAIGHT. ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
16. TYPE "L" SOFT COPPER SHALL BE USED FOR REFRIGERANT LINES FROM THE BRANCH CONTROLLER TO EACH VRF INDOOR UNIT OFF OF THAT SYSTEM (TYPICAL). ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
17. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO HUB DRAIN. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION HUB DRAIN. (RE: 5/M4.502)

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING E

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL FLOOR & PIPING PLANS - BLDG. E

M2.501

1 Addendum 01

NOVEMBER 6, 2025

DAMPER

MARK	ACTUATOR	DUTY	BLADE ACTION	MANUFACTURER	MODEL NUMBER	REMARKS
D-1	MANUAL BALANCING	UNDER 9" WIDE	N/A	N/A	N/A	SEE SMACNA CONSTRUCTION DETAILS REFERENCED "TYPICAL CONSTRUCTION DETAILS FOR LOW VELOCITY DUCTS."
D-2	MANUAL BALANCING	OVER 9" WIDE	OPPOSED	RUSKIN	MD-35	MANUAL DAMPER WITH STANDARD CONSTRUCTION FEATURES AND VENTLOCK #639 LOCKING REGULATOR.
D-3	MOTORIZED	OVER 9" WIDE	OPPOSED	RUSKIN	CD-60	LOW LEAKAGE DAMPER WITH BLADE SEALS

NOTES:
N/A - NOT APPLICABLE

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
A	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	SURFACE MOUNT CEILING FRAME STYLE WITH 18"X18" OR 12"X12" FACE.
B	SUPPLY	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.
C	SUPPLY	GRILLE	-	ALUMINUM	BY ARCH	TITUS	PAR	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X48" FACE.

GENERAL NOTES:
1. DAMPERS NOTED AS U.L. SHALL BE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.
2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

REMARKS:
1. N/A

DUCTLESS MINI-SPLIT - INDOOR UNIT

MARK	FAN					AIR TEMPERATURE (°F)		COOLING				HEATING			REMARKS
	SUPPLY AIR CFM	HORSE POWER	CURRENT CHARAC. V	P	F	ENTERING DRY BULB	ENTERING WET BULB	MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	MINIMUM EER/ SEER	NUMBER OF STAGES	ENTERING AIR TEMP.(°F)	MINIMUM CAPACITY (BTUH)	NUMBER OF STAGES	
DMSAC-E1	300	0.1	208	1	60	75.0	62.5	9,000	6,750	8.5 / 17	1	70	9,000	1	1,2,3,4,5

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.
5. BASIS OF DESIGN: MITSUBISHI NTXWPH

DUCTLESS MINI-SPLIT - OUTDOOR UNIT

MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ SEER	MIN HEAT CAPACITY (BTUH)	CURRENT CHARAC. V	PH	F	RELATED UNIT MARK	BASIS OF DESIGN MANUFACTURER	MODEL	MCA	MOCP	REMARKS
DMSCU-E1	9,000	95	8.5 / 17	9,000	208	1	60	DMS-E-1	MITSUBISHI	NTXSPB	9	15	1,2,3,4

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH WALL MOUNTING HARDWARE.
2. PROVIDE WITH LOW AMBIENT KIT.
3. PROVIDE WITH HAIL GUARD.
4. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S INSTRUCTIONS.

DEDICATED OUTSIDE AIR UNIT - INDOOR UNIT

MARK	FAN						AIR TEMPERATURE (°F)				MIN. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	HEATING		BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	CURRENT CHAR V	P	F	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB			ENTERING AIR TEMP.(°F)	MIN. CAPACITY (BTUH)	MANUFACTURER	MODEL	MCA	MOCP	
DOAS-E1	600	600	0.70	208	3	60	95.0	77.0	55.0	54.5	46,980	25,920	95	32,400	MITSUBISHI	TPEFYP	3.3	15	ALL

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, AND DAMPERS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE HORIZONTAL UNIT.
4. PROVIDE UNIT WITH HANGING ISOLATION KIT.
5. VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.
6. PROVIDE UNIT WITH INTEGRAL CONDENSATE DRAIN PUMP WITH MINIMUM 18" LIFT.

FAN SCHEDULE

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR V	P	F	LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
EF-E1	RR	70	0.25	1410	0.1	120	1	60	-	OCC SENSOR W/ TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-E2	RR	70	0.25	1410	0.1	120	1	60	-	OCC SENSOR W/ TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-E3	JANITOR	50	0.25	1345	0.1	120	1	60	-	OCC SENSOR W/ TIMER	CEILING	DIRECT	GREENHECK	SP	1

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH AUTOMATIC BACKDRAFT DAMPER, VIBRATION ISOLATION, SPEED CONTROLLER, AND INTEGRAL DISCONNECT.

VRF FAN/COIL UNIT

MARK	LOCATION	SUPPLY AIR CFM	OA CFM	EXT.STATIC PRESSURE (IN. W.C.)	CURRENT CHARAC. V	P	F	COOLING AIR TEMPERATURE (°F) ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	NOM. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	HEATING ENTERING AIR TEMP.(°F)	NOM. CAPACITY (BTUH)	MCA	MOCP	REMARKS
AC-E1-001A	CORRIDOR	300	0	0.10	208	1	60	75.0	62.5	55.0	54.5	6,000	4,795	75.0	6,700	2	15	1,2,3,5,6,7,8
AC-E1-001B	CORRIDOR	300	0	0.10	208	1	60	75.0	62.5	55.0	54.5	6,000	4,795	75.0	6,700	2	15	1,2,3,5,6,7,8
AC-E1-100	E100	280	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,145	75.0	5,600	2	15	1,2,3,5,6,7,8
AC-E1-102	E102	300	0	0.10	208	1	60	75.0	62.5	55.0	54.5	15,000	8,740	75.0	17,000	2	15	1,2,3,5,6,7,8
AC-E1-104	E104	280	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,145	75.0	5,600	2	15	1,2,3,5,6,7,8
AC-E1-107	E107	280	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,145	75.0	5,600	2	15	1,2,3,5,6,7,8
AC-E1-108	E108	280	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,145	75.0	5,600	2	15	1,2,3,5,6,7,8
AC-E1-109	E109	330	0	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,435	75.0	13,500	2	15	1,2,3,5,6,7,8
AC-E1-110	E110	280	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,145	75.0	5,600	2	15	1,2,3,5,6,7,8
AC-E1-111	E111	280	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,145	75.0	5,600	2	15	1,2,3,5,6,7,8
AC-E1-112	E112	280	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,145	75.0	5,600	2	15	1,2,3,5,6,7,8
AC-E1-114	E114	460	0	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,600	75.0	20,000	2	15	1,2,3,5,6,7,8,9
AC-E1-115	E115	460	0	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	13,600	75.0	20,000	2	15	1,2,3,5,6,7,8,9
AC-E1-116	E116	280	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,145	75.0	8,500	2	15	1,2,3,5,6,7,8
AC-E2-001	E123 MECH	1400	140	0.50	208	1	60	77.0	64.2	55.0	54.5	48,000	33,150	65.1	54,000	6	15	1,2,3,4,6,7,8
AC-E2-002A	E123 MECH	1000	100	0.50	208	1	60	77.0	64.2	55.0	54.5	36,000	25,460	65.1	34,000	6	15	1,2,3,4,6,7,8
AC-E2-002B	E123 MECH	1000	100	0.50	208	1	60	77.0	64.2	55.0	54.5	36,000	25,460	65.1	34,000	6	15	1,2,3,4,6,7,8
AC-E2-106	E106	400	0	0.10	208	1	60	75.0	62.5	55.0	54.5	8,000	6,100	75.0	9,000	2	15	1,2,3,5,6,7,8
AC-E2-120	E120	400	0	0.10	208	1	60	75.0	62.5	55.0	54.5	12,000	7,880	75.0	13,500	2	15	1,2,3,5,6,7,8
AC-E2-121	E121	400	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,310	75.0	5,600	2	15	1,2,3,5,6,7,8
AC-E2-122	E122	400	0	0.10	208	1	60	75.0	62.5	55.0	54.5	5,000	4,310	75.0	5,600	2	15	1,2,3,5,6,7,8

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE VERTICAL MULTI-POSITION UNIT.
5. PROVIDE CEILING MOUNTED 4-WAY CASSETTE.
6. PROVIDE WITH REFRIGERANT SERVICE BALL VALVE AT UNIT.
7. PROVIDE UNIT WITH NEEDLEPOINT BIPOLAR IONIZATION KIT WITH UL 2998 CERTIFICATION. BASIS OF DESIGN: GPS NPBI OR APPROVED EQUAL.
8. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.
9. PROVIDE 3X3 CEILING CASSETTE UNIT WITH FACTORY PROVIDED TRIM KIT FOR CASSETTE UNIT TO BE CENTERED BETWEEN 4 TILES IN GRID.

1

AIR COOLED VRF CONDENSING UNIT (HEAT RECOVERY)

MARK	NOM. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ IEER	CURRENT CHARACTERISTICS V	P	F	RELATED UNIT MARK	CONNECTED LOAD PERCENTAGE	MCA	MOCP	MANFACTURER	MODEL	REMARKS
DOASCU-E1	72,000	95	10.9 / 21.6	208	3	60	DOAS-E1	66	29	45	MITSUBISHI	PUHY	1
VRCU-E1	96,000	95	11.3 / 22.5	208	3	60	AC-E1-001, 002, 100, 102, 104, 107, 108, 109, 110, 111, 112, 114, 115, 116	119	40	60	MITSUBISHI	PURY	1
VRCU-E2	144,000	95	9.9 / 21.0	208	3	60	AC-E2-001, 002, 003, 106, 120, 121, 122	104	60	100	MITSUBISHI	PURY	1

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S INSTRUCTIONS.

1

VRF BRANCH SELECTOR

MARK	RELATED UNIT MARK	ELECTRICAL CURRENT V	P	F	MCA	MOCP	NUM. OF BRANCHES	REMARKS
BCB-E1	VRCU-E1	208	1	60	0.8	20	16	1
BCB-E2	VRCU-E2	208	1	60	0.8	20	8	1

GENERAL NOTES:
1. BRANCH SELECTOR MODULES ARE TYPICAL. SEE DRAWINGS AND PIPING SCHEMATICS FOR QUANTITY AND LOCATION.
2. CONTRACTOR TO INSTALL 'FULL PORT' ISOLATION VALVES AND SCHRADER VALVE UPSTREAM OF EACH BRANCH SELECTOR BOX.
3. BRANCH SELECTORS SHALL HAVE BRAZED CONNECTIONS.

REMARKS:
1. PROVIDE WITH HANGING ISOLATION KIT.

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025 IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION
STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING E

800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
1	Addendum 01	11/14/2025

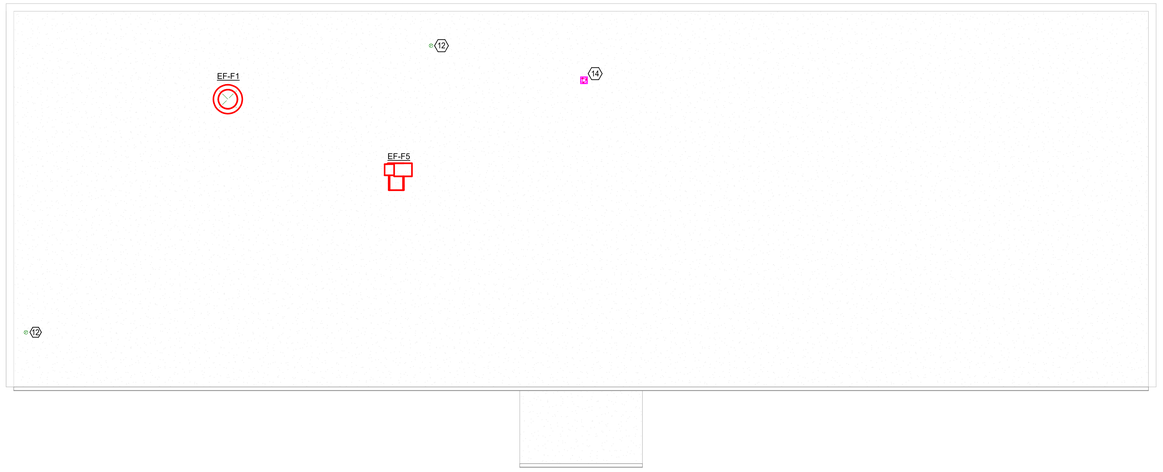
DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL SCHEDULES - BLDG. E

M5.501

1 Addendum 01

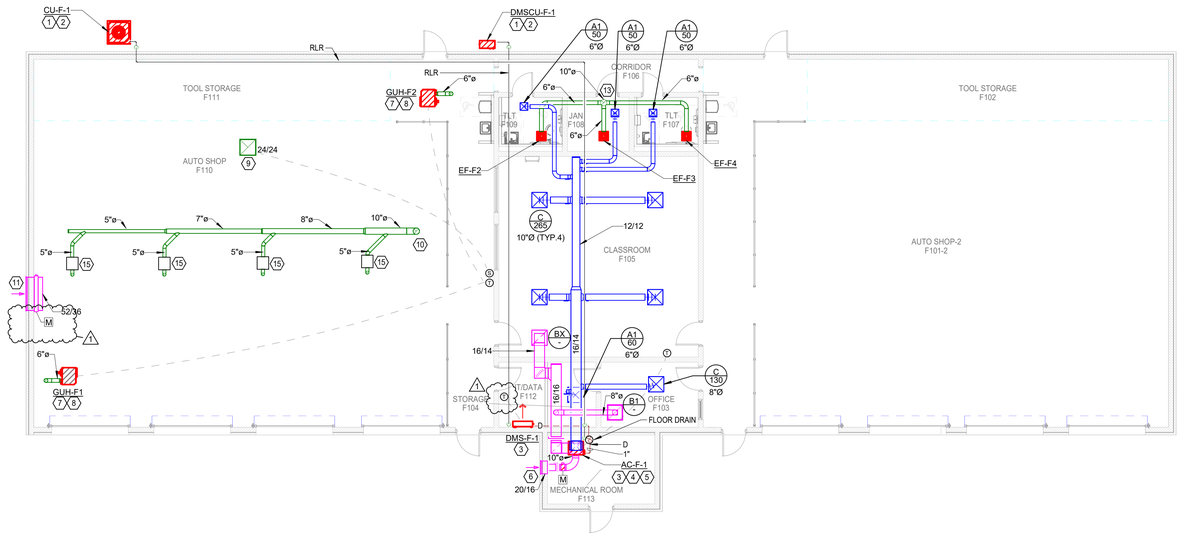
NOVEMBER 6, 2025



N

2 MECHANICAL ROOF PLAN - BUILDING F

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



N

1 MECHANICAL FLOOR PLAN - BUILDING F

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED, COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

MECHANICAL KEYED NOTES

1. ROUTE REFRIGERANT LINES UP OUTSIDE EXTERIOR WALL, PENETRATE WALL AT 14'-6"AFF. FIELD ROUTE TO RESPECTIVE INDOOR UNIT. PROVIDE EXTERIOR PIPE WITH LINESIDE HIDE.
2. PROVIDE 4" THICK REINFORCED CONCRETE HOUSEKEEPING PAD. SIZE PAD PER UNIT MANUFACTURERS RECOMMENDATIONS. (RE: 7/M4.601)
3. ROUTE (SIZE AS SHOWN) INSULATED CONDENSATE DRAIN WITH AIR GAP TO FLOOR DRAIN. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION OF DRAIN. (RE: 5/M4.601)
4. REFER TO DETAIL 1/M4.601 FOR VERTICAL AIR HANDLER INSTALLATION.
5. PROVIDE UNITS WITH MEANS OF VIBRATION ISOLATION MOUNTING. (RE:1/M4.601)
6. ROUTE (SIZE AS SHOWN) OUTSIDE AIR DUCT TO INTAKE LOUVER GREENHECK MODEL EVH-52X36 WITH 0.5 SQFT FREE AREA AND INSECT SCREEN OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER AND MANUAL BALANCING DAMPER. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED AHU IS IN HEATING OR COOLING MODE COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT. LOCATE INTAKE MIN 10'-0"FROM ALL BUILDING EXHAUST OUTLETS. (RE: 4/M4.601)
7. SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION. ROUTE GAS FLUE UP THROUGH ROOF. (RE: 11,&13/M4.601)
8. PROVIDE THERMOSTAT INTERLOCKED WITH UNIT HEATER SET TO 55°F.
9. DUCT UP TO ROOF MOUNTED FAN EF-F-1. REFER TO ARCHITECT FOR EXACT MOUNTING LOCATION. INSTALL BIRD SCREE AT BOTTOM OF DUCT. (RE: 9,&15/M4.601)
10. DUCT UP TO ROOF MOUNTED FAN EF-F-5. REFER TO ARCHITECT FOR EXACT MOUNTING LOCATION. BOTTOM OF DUCT HEIGHT WILL BE 12'-1". (RE: 9,&15/M4.601)
11. INSTALL INTAKE LOUVER GREENHECK MODEL EACC-601 WITH 6.9 SQFT FREE AREA AND INSECT SCREEN OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. LOUVER SHALL OPEN WHEN EF-F1 IS ENERGIZED. INSTALL BOTTOM OF LOUVER AT 12'-0" AFF. (RE: 4/M4.601)
12. GAS FLUE VENT CAP. (RE: 13/M4.601).
13. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 10 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 9/M4.601)
14. EXHAUST AIR ROOF CAP. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING INTAKE INLETS.
15. INSTALL MONOXIVENT TUBE STORAGE REEL WITH 8" DIAMETER X 25' HTC FLEXIBLE HOSE. PROVIDE WITH A LARGE MOUTH OVAL CLAMPING ADAPTER AT THE END OF THE HOSE. INSTALL HOSE REEL AT 12'-0" AFF

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein.
Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATION AND ADDITION TO
McKINLEY SENIOR HIGH SCHOOL
BUILDING F
800 EAST McKINLEY STREET
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
1	Addendum 01	11/14/2025

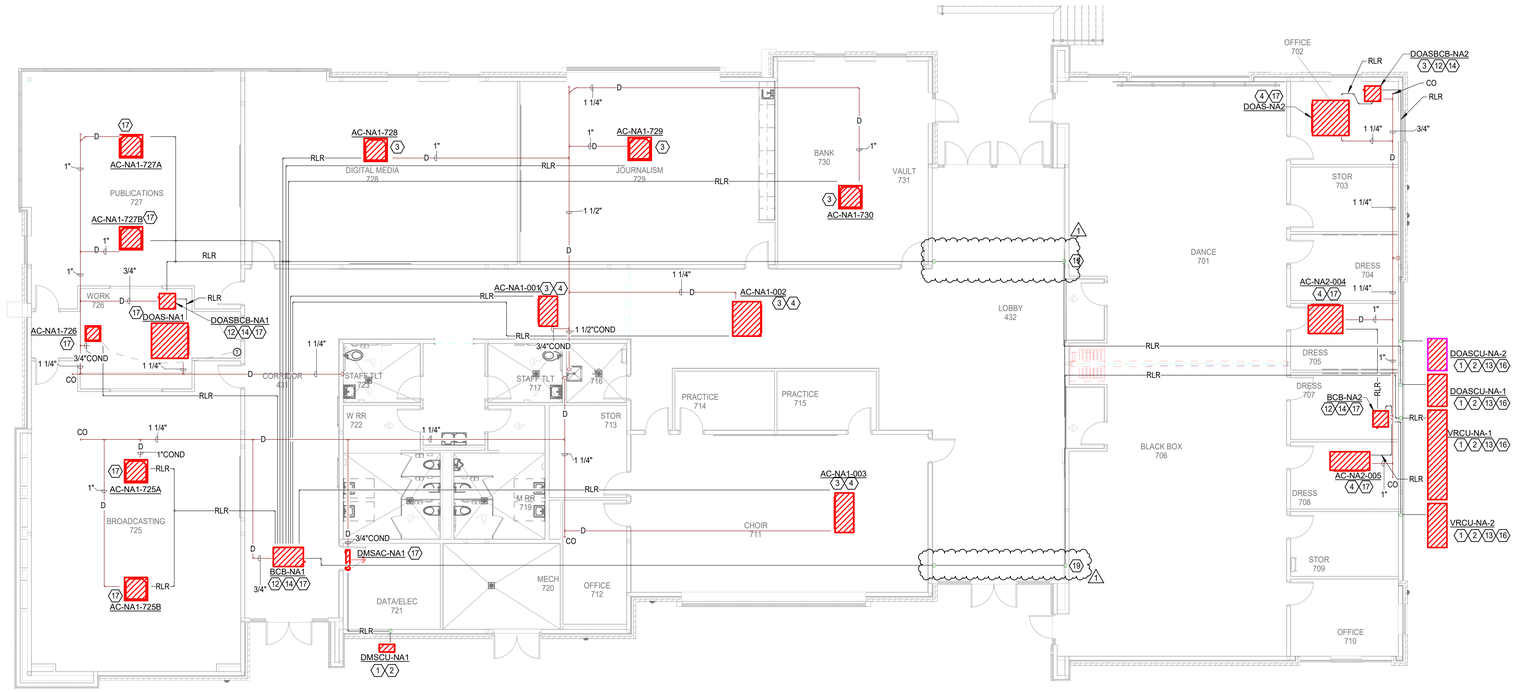
DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL FLOOR PLANS - BLDG. F

M2.600

1 Addendum 01

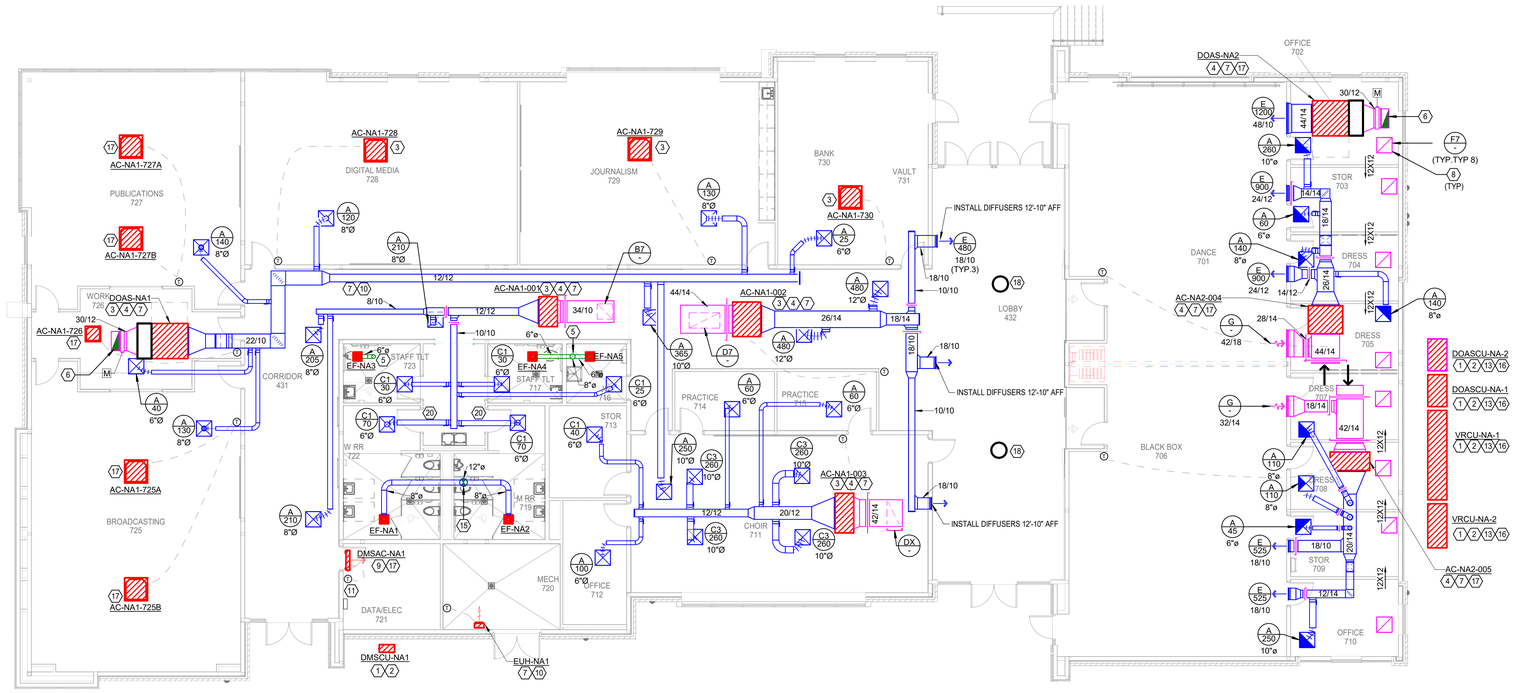
NOVEMBER 6, 2025



N

2 MECHANICAL PIPING PLAN - NEW ARTS BUILDING

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



N

1 MECHANICAL FLOOR PLAN - NEW ARTS BUILDING

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

MECHANICAL GENERAL NOTES

1.) ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2.) COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3.) ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4.) SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

MECHANICAL KEYED NOTES

1. PROVIDE 4" THICK REINFORCED CONCRETE HOUSEKEEPING PAD. SIZE PAD PER UNIT MANUFACTURERS RECOMMENDATIONS. (RE: 8/M2.702)
2. FIELD ROUTE REFRIGERANT LINES UP INSIDE EXTERIOR WALL TO RESPECTIVE INDOOR UNIT. COORDINATE WITH ARCHITECT FOR EXACT ROUTING LOCATIONS PRIOR TO MOUNTING. (RE: 12/M2.702)
3. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO MOP SINK. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION MOP SINK. (RE: 5/M2.702)
4. PROVIDE 4" DEEP AUXILIARY CONDENSATE DRAIN PAN WITH FLOAT SWITCH BENEATH UNIT. (RE: 1/M2.702)
5. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 8 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 10/M2.702)
6. ROUTE OUTSIDE AIR DUCT (SIZES SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL FGI12X30 OR APPROVED EQUAL. PROVIDE WITH MOTORIZED DAMPER. MOTORIZED DAMPER SHALL OPEN WHEN ASSOCIATED FCU IS IN COOLING OR HEATING MODE. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE INTAKE MIN 10'-0" FROM ALL BUILDING EXHAUST OUTLETS. (RE: 10/M2.702)
7. CONTRACTOR TO SUSPEND MECHANICAL EQUIPMENT FROM STRUCTURE WITH THREADED RODS AND UNISTRUT SUPPORTS. PROVIDE VIBRATION ISOLATION. (RE: 11/M2.702)
8. PROVIDE RETURN AIR GRILLE WITH RETURN AIR CANOPY FOR PATH TO RETURN AIR PLENUM PRICE MODEL RAC OR APPROVED EQUAL. (RE: 13/M2.702)
9. MOUNT UNIT ABOVE DOOR.
10. PROVIDE THERMOSTAT INTERLOCKED WITH UNIT HEATER SET TO 40°F. RE: 11/M3.1.
11. PROVIDE VRF SYSTEM CENTRAL CONTROLLER IN THIS VICINITY. COORDINATE 120V JUNCTION BOX AND DATA CONNECTION WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. COORDINATE EXACT LOCATION WITH ALL OTHER EQUIPMENT INSTALLED IN ROOM.
12. PROVIDE A BRANCH SELECTOR BOX IN AN ACCESSIBLE LOCATION IN THIS VICINITY. PROVIDE DRAIN PAN UNDER BRANCH SELECTOR AND EXTEND UNDER BALL VALVES. OTHER MANUFACTURER'S BRANCH CONTROLLERS SHALL BE LOCATED IN THE SAME EXACT LOCATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH THE CHANGE OF QUANTITY AND/OR LOCATION OF OTHER MANUFACTURER'S BRANCH CONTROLLERS.
13. TYPE "K" HARD COPPER SHALL BE USED FOR ALL REFRIGERANT LINES FROM THE OUTDOOR UNITS TO ITS ASSOCIATED BRANCH CONTROLLER AND IN ALL AREAS WHERE COPPER WILL BE EXPOSED (TYPICAL). CONTRACTOR SHALL ROUTE REFRIGERANT PIPING NEAT AND STRAIGHT. ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
14. TYPE "L" SOFT COPPER SHALL BE USED FOR REFRIGERANT LINES FROM THE BRANCH CONTROLLER TO EACH VRF INDOOR UNIT OFF OF THAT SYSTEM (TYPICAL). ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
15. ROUTE EXHAUST DUCT (SIZE AS SHOWN) UP TO ROOF HOOD. PROVIDE GREENHECK MODEL GRSR SIZE 12 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. LOCATE EXHAUST MIN 10'-0" FROM ALL BUILDING OUTSIDE AIR INLETS. (RE: 10/M2.702)
16. COORDINATE THE EXACT LOCATION WITH ARCHITECT AND CIVIL SITE PLANS
17. ROUTE FULL SIZED INSULATED CONDENSATE DRAIN WITH AIR GAP TO HUB DRAIN. COORDINATE WITH PLUMBING PLANS FOR EXACT LOCATION HUB DRAIN. (RE: 5/M2.702)
18. CONTRACTOR TO INSTALL TO CEILING DESTRATIFICATION FAN. BASIS OF DESIGN: ZOO FANS, MODEL H25 HIGH EFFICIENCY, 120V, 1PH, 588 CFM.
19. ROUTE REFRIGERANT UP TO CEILING SPACE 24' AFF.
20. UNDERCUT DOOR 1" FOR MAKE UP AIR.

ARCHITECT

CHASM DOMAIN

AN ARCHITECTURAL JOINT VENTURE

10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION

STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE, LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATIONS & ADDITIONS TO
McKINLEY SENIOR HIGH SCHOOL
NEW ARTS BUILDING
800 E. McKINELY ST.
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038

CA project # 24009

date NOVEMBER 6, 2025

MECHANICAL FLOOR PLAN - BLDG. MCK

M1.701

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809
Registration: 0005857
Project No: 2550-00603

1 Addendum 01

NOVEMBER 6, 2025

DAMPER

MARK	ACTUATOR	DUTY	BLADE ACTION	MANUFACTURER	MODEL NUMBER	REMARKS
D-1	MANUAL BALANCING	UNDER 9" WIDE	N/A	N/A	N/A	SEE SMACNA CONSTRUCTION DETAILS REFERENCED "TYPICAL CONSTRUCTION DETAILS FOR LOW VELOCITY DUCTS."
D-2	MANUAL BALANCING	OVER 9" WIDE	OPPOSED	RUSKIN	MD-35	MANUAL DAMPER WITH STANDARD CONSTRUCTION FEATURES AND VENTLOCK #639 LOCKING REGULATOR.
D-3	MOTORIZED	OVER 9" WIDE	OPPOSED	RUSKIN	CD-60	LOW LEAKAGE DAMPER WITH BLADE SEALS

NOTES:
N/A - NOT APPLICABLE

DUCTLESS MINI-SPLIT - INDOOR UNIT COOLING ONLY

MARK	FAN						COOLING				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	HORSE POWER	CURRENT CHARAC. V	P	F	AIR TEMPERATURE (°F) ENTERING DRY BULB	ENTERING WET BULB	NOM. TOTAL CAPACITY (BTUH)	NOM. SENS. CAPACITY (BTUH)	MINIMUM EER/ SEER	
DMSAC-NA1	400	0	0.1	208	1	60	80.0	67.0	12,000	9,000	8.5 / 17	1,2,3,4,5

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.
5. BASIS OF DESIGN: MITSUBISHI MTXWPH.

DUCTLESS MINI-SPLIT - OUTDOOR UNIT

MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ SEER	CURRENT CHARAC. V	PH	F	RELATED UNIT MARK	BASIS OF DESIGN MANUFACTURER	MODEL	MCA	MOCP	REMARKS
DMSCU-NA1	12,000	95	8.5 / 17	208	1	60	FCU-G1	MITSUBISHI	NTXSPB	8	15	1,2,3

GENERAL NOTES:
1. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH LOW AMBIENT KIT.
2. PROVIDE WITH HAIL GUARD.
3. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS.

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	DESCRIPTION
A	SUPPLY AIR	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.
B	RETURN AIR	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	50F	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X24".
C	SUPPLY AIR	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	OMNI	SURFACE MOUNT CEILING FRAME STYLE WITH 18"X18" OR 12"X12" FACE.
D	RETURN AIR	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	50F	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X48" FACE.
E	SUPPLY AIR	GRILLE	-	ALUMINUM	BY ARCH	TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)
F	RETURN AIR	DIFFUSER	-	ALUMINUM	BY ARCH	TITUS	50F	EXPOSED T-BAR CEILING FRAME STYLE WITH A 24"X24" FACE. PERFORATED.
G	RETURN AIR	GRILLE	-	ALUMINUM	BY ARCH	TITUS	350RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED (1)

GENERAL NOTES:
1. DAMPERS NOTED AS U.L. SHALLBE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH THERMAL BLANKET.
2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.

REMARKS:
1. N/A

UNIT HEATER - ELECTRIC

MARK	KW	NUMBER OF STAGES	CURRENT CHAR. V	P	F	MANUFACTURER	MODEL	REMARKS
EUH-NA1	1.5	1	120	1	60	REZNOR	EGW	1,2

REMARKS:
1. PROVIDE WITH WALL MOUNTED THERMOSTAT.
2. PROVIDE WITH WALL HANGING KIT.

DEDICATED OUTSIDE AIR UNIT - INDOOR UNIT

MARK	FAN			CURRENT CHAR			COOLING						HEATING		BASIS OF DESIGN				REMARKS
	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT.STATIC PRESSURE (IN. W.C.)	V	P	F	AIR TEMPERATURE (°F) ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	MIN. TOTAL CAPACITY (BTUH)	MIN SENS CAPACITY (BTUH)	ENTERING AIR TEMP.(°F)	MIN. TOTAL CAPACITY (BTUH)	MANUFACTURER	MODEL	MCA	MOCP	
DOAS-NA1	1,200	1,200	0.50	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	57000	MITSUBISHI	TPEFY	4.0	15	ALL
DOAS-NA2	1,200	1,200	0.30	208	1	60	95.0	77.0	55.0	54.5	93,960	51,840	25	57000	MITSUBISHI	TPEFY	4.0	15	ALL

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE HORIZONTAL UNIT.
4. PROVIDE UNIT WITH HOT GAS REHEAT. UNIT SHALL BE CAPABLE OF REHEATING DISCHARGE AIR TO NEUTRAL 75°F (ADJUSTABLE) FOR DEHUMIDIFICATION.
5. PROVIDE UNIT WITH HANGING ISOLATION KIT.
6. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.

FAN SCHEDULE

TAG	LOCATION	CFM	EXT. STATIC PRESSURE (IN.W.C.)	MAX RPM	HORSE POWER	CURRENT CHAR V	P	F	LOCALLY SWITCHED	INTERLOCK WITH	FAN TYPE	DRIVE TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
EF-NA1	722 W RR	210	0.25	900	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-NA2	719 M RR	210	0.25	900	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-NA3	RR	70	0.25	700	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-NA4	RR	70	0.25	700	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1
EF-NA5	RR	50	0.25	1345	0.1	120	1	60	-	OCCUPANCY SENSOR WITH TIMER	CEILING	DIRECT	GREENHECK	SP	1

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. PROVIDE WITH AUTOMATIC BACKDRAFT DAMPER, VIBRATION ISOLATION, SPEED CONTROLLER, AND INTEGRAL DISCONNECT.

VRF FAN/COIL UNIT

MARK	LOCATION	FAN SUPPLY AIR CFM	FAN EXT.STATIC PRESSURE (IN. W.C.)	FAN CURRENT CHARAC. V	P	F	COOLING AIR TEMPERATURE (°F) ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	NOM. TOTAL CAPACITY (BTUH)	MIN. SENS. CAPACITY (BTUH)	HEATING ENTERING AIR TEMP.(°F)	MINIMUM CAPACITY (BTUH)	MCA	MOCP	REMARKS
AC-NA1-001	431 CORRIDOR	850	0.50	208	1	60	75.0	62.5	55.0	54.5	18,000	16,665	75	20,000	3	15	1,2,3,4,6,7,8
AC-NA1-002	LOBBY	2,400	0.50	208	1	60	75.0	62.5	55.0	54.5	72,000	55,555	75	80,000	5	15	1,2,3,4,6,7,8
AC-NA1-003	CHOIR	1,300	0.50	208	1	60	75.0	62.5	55.0	54.5	54,000	37,095	75	60,000	5	15	1,2,3,4,6,7,8
AC-NA1-725A	725	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	14,170	75	20,000	2	15	1,2,3,5,6,7,8,9
AC-NA1-725B	725	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	14,170	75	20,000	2	15	1,2,3,5,6,7,8,9
AC-NA1-726	726	335	0.10	208	1	60	75.0	62.5	55.0	54.5	15,000	9,565	75	17,000	2	15	1,2,3,5,6,7,8,9
AC-NA1-727A	727	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,600	75	34,000	2	15	1,2,3,5,6,7,8
AC-NA1-727B	727	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,600	75	34,000	2	15	1,2,3,5,6,7,8,9
AC-NA1-728	728	1,200	0.10	208	1	60	75.0	62.5	55.0	54.5	48,000	32,435	75	54,000	2	15	1,2,3,5,6,7,8,9
AC-NA1-729	729	800	0.10	208	1	60	75.0	62.5	55.0	54.5	30,000	20,600	75	34,000	2	15	1,2,3,5,6,7,8,9
AC-NA1-730	730	800	0.10	208	1	60	75.0	62.5	55.0	54.5	18,000	14,170	75	20,000	2	15	1,2,3,5,6,7,8,9
AC-NA2-004	DANCE	2,400	0.50	208	1	60	75.0	62.5	55.0	54.5	72,000	56,480	75	80,000	5	15	1,2,3,4,6,7,8
AC-NA2-005	BLACK BOX	1,300	0.50	208	1	60	75.0	62.5	55.0	54.5	48,000	33,370	75	54,000	5	15	1,2,3,4,6,7,8

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL UPLL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE HORIZONTAL UNIT.
5. PROVIDE CEILING MOUNTED 4-WAY CASSETTE.
6. PROVIDE WITH REFRIGERANT SERVICE BALL VALVE AT UNIT.
7. PROVIDE UNIT WITH NEEDLEPOINT BIPOLAR IONIZATION KIT WITH UL 2998 CERTIFICATION. BASIS OF DESIGN: GPS NPBI OR APPROVED EQUAL.
8. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP WITH MINIMUM 18" LIFT.
9. PROVIDE 3X3 CEILING CASSETTE UNIT WITH FACTORY PROVIDED TRIM KIT FOR CASSETTE UNIT TO BE CENTERED BETWEEN 4 TILES IN GRID.

1

AIR COOLED VRF CONDENSING UNIT

MARK	NOM. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP	MINIMUM EER/IEER	CURRENT CHARAC. V	P	F	RELATED UNIT MARK	CONNECTED LOAD PERCENTAGE	MANUFACTURER	MODEL	MCA	MOCP	REMARKS
DOASCU-NA-1	120,000	95	10.5 / 21.7	208	3	60	DOAS-1	100	MITSUBISHI	PURY	50	80	1
DOASCU-NA-2	120,000	95	10.5 / 21.7	208	3	60	DOAS-2	100	MITSUBISHI	PURY	50	80	1
VRCU-NA-1	336,000	95	9.0 / 18.4	208	3	60	AC-NA1-001, 002, 003, 719, 722, 725A, 725B, 726, 727A, 727B, 728, 729, 730	104	MITSUBISHI	PURY	136	220	1
VRCU-NA-2	120,000	95	10.15 / 21.0	208	3	60	AC-NA1-004, 005	100	MITSUBISHI	PURY	50	80	1

GENERAL NOTES:
1. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

REMARKS:
1. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S INSTRUCTIONS.

1

VRF BRANCH SELECTOR

MARK	RELATED UNIT MARK	ELECTRICAL CURRENT V	P	F	MCA	MOCP	NUM. OF BRANCHES	REMARKS
BCB-NA1	VRCU-NA1	208	1	60	2.0	20	16	1
BCB-NA2	VRCU-NA2	208	1	60	2.0	20	8	1
DOASBCB-NA1	DOASCU-NA1	208	1	60	2.0	20	8	1
DOASBCB-NA2	DOASCU-NA2	208	1	60	2.0	20	8	1

GENERAL NOTES:
1. BRANCH SELECTOR MODULES ARE TYPICAL. SEE DRAWINGS AND PIPING SCHEMATICS FOR QUANTITY AND LOCATION.
2. CONTRACTOR TO INSTALL 'FULL PORT' ISOLATION VALVES AND SCHRADER VALVE UPSTREAM OF EACH BRANCH SELECTOR BOX.
3. BRANCH SELECTORS SHALL HAVE BRAZED CONNECTIONS.

REMARKS:
1. PROVIDE WITH HANGING ISOLATION KIT.

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF DAVID BONAVENTURE, P.E. 31064 ON NOVEMBER 6, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

Salas O'Brien
salasobrien.com 225-766-8002
Baton Rouge
5215 Essen Lane, Suite 100
Baton Rouge, LA 70809

Registration: 0005857
Project No: 2550-00603

ARCHITECT
CHASM DOMAIN
AN ARCHITECTURAL JOINT VENTURE
10626 linkwood ct, suite a
baton rouge, la 70810
t: 225.927.1008 f: 404.305.8868
11130 industriplex blvd, suite 200
baton rouge, la 70809
t: 225.216.3770 f: 225.216.3771

REGISTRATION
STATE OF LOUISIANA
DAVID BONAVENTURE
License No. 31064
PROFESSIONAL ENGINEER
11/14/2025

These drawings are the property of CHASM ARCHITECTURE LLC DOMAIN ARCHITECTURE APAC AN ARCHITECTURAL JOINT VENTURE and are not to be reproduced in whole or in part. They are only to be used for the project and site specifically identified herein. Scales stated hereon are valid on the original drawings only. Contractor shall carefully review all dimensions and conditions shown and report to the architect any errors, inconsistencies, or omissions discovered. These plans were prepared in this office under our personal supervision, and to the best of our knowledge comply with state and local codes. We will generally administer construction.

CLIENT

RENOVATIONS & ADDITIONS TO
MCKINLEY SENIOR HIGH SCHOOL
NEW ARTS BUILDING
800 E. McKINELY ST.
BATON ROUGE, LA 70802

PROJECT INFORMATION

revisions

No.	Description	Date
1	Addendum 01	11/14/2025

DA project # C24-0038
CA project # 24009
date NOVEMBER 6, 2025

MECHANICAL SCHEDULES - BLDG. MCK

M3.701

1 Addendum 01

NOVEMBER 6, 2025