

GRANGER

ADVANCE THE ART OF BUILDING

2020

BOND

CHARLOTTE PUBLIC SCHOOLS

CONSTRUCTION
UPDATE

DECEMBER 2021



Weymouth ECC Renovation



Work In Progress:

- Punch List

Upcoming work:

- Substantially Complete



New Vertical Unit Ventilator in room 106



Tennis Courts & Concession Building



Work In Progress:

- Pass Through Window
- Winterization
- Final Electrical Inspection
- Punch List Completion



Upcoming work:

- Rolling Coil Door Installation



Tennis Courts



Agricultural Learning Center



Work In Progress:

- Water & Sanitary Lines
- Lean to Rafters
- Roof Sheathing
- Underground Plumbing
- Underground Electrical

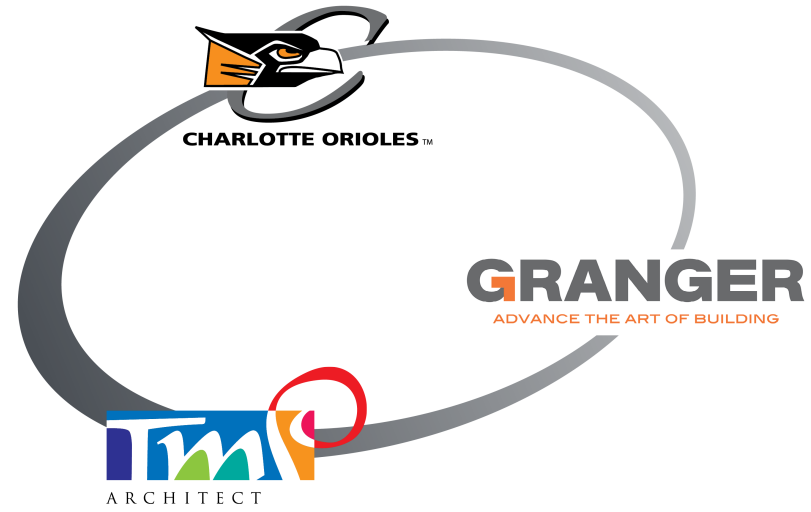


Upcoming work:

- Prep & Place Concrete Slab
- Restore Sidewalk
- Roofing
- Masonry
- Exterior Wall Framing



Phase 2: Design Development Plan Documents



CPS 2020 Bond Program Phase II Drawings

Galewood Elementary



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ROOM USE LEGEND	
AS ART STUDIO	ML MEN'S LOCKER
BT BOYS TOILET	MT MEN'S TOILET
C CLASSROOM	O OFFICE
CA CAFETERIA	P PASSAGE
CB CUBBIES	R RECEPTION
CL CLINIC	RC RECORDS
CO COMMONS	RF REFRIGERATION
CU CUSTODIAL CLOSET	S STORAGE
E ELECTRICAL	SE SPECIAL EDUCATION
ES EXIT STAIR ENCLOSURE	SL STEIN LAB
EL ELEVATOR	STL STAFF LOUNGE
GL GIRL'S LOCKER	SV SERVERY
GM GYMNASIUM	T TOILET
GT GIRL'S TOILET	TL TEACHER LOUNGE
IT INFORMATION TECHNOLOGY	TX TICKETS
K KITCHEN	V VESTIBULE
L LOBBY	W WORKROOM
M MECHANICAL	WL WOMEN'S LOCKER
MC MEDIA CENTER	WT WOMEN'S TOILET

PROJECT ALTERNATES	
ALTERNATE #1:	RENOVATE TOILET ROOMS 201 AND 203 AS INDICATED ON DRAWINGS.
ALTERNATE #2:	xxxx
ALTERNATE #3:	xxxx
ALTERNATE #4:	xxxx
ALTERNATE #5:	xxxx
ALTERNATE #6:	xxxx

registration seal

consultant

PROJECT TITLE
**Galewood
Elementary School
Additions and
Renovations**
CHARLOTTE PUBLIC SCHOOLS
CHARLOTTE, MI

DRAWING TITLE
First Floor Composite Plan

KEYPLAN

issue dates

10/20/2021 DESIGN DEVELOPMENT

date: issued for:

drawn: MLH

checked

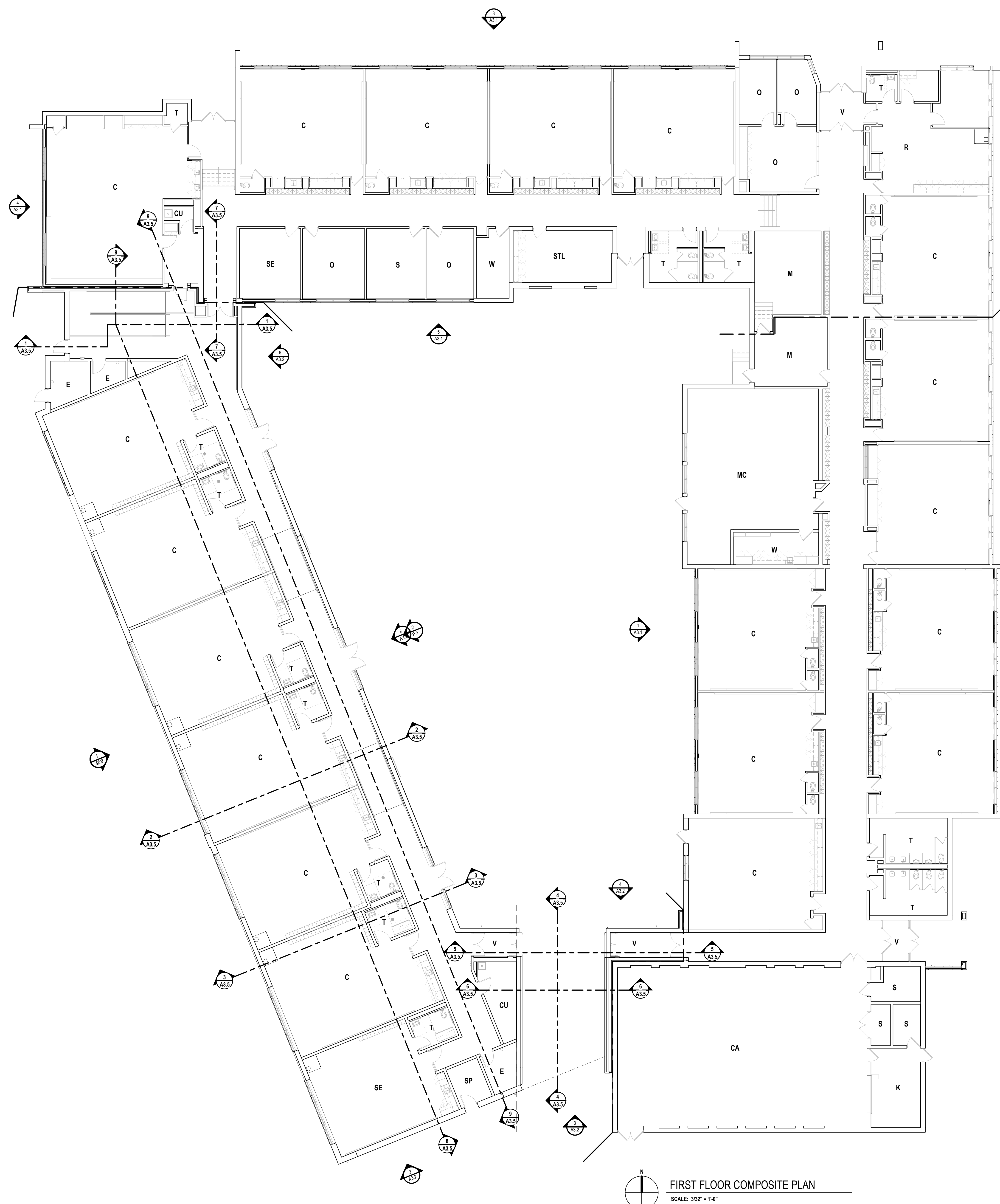
approved

project no.

20102

drawing no.

AC.1



FIRST FLOOR COMPOSITE PLAN
SCALE: 3/32" = 1'-0"



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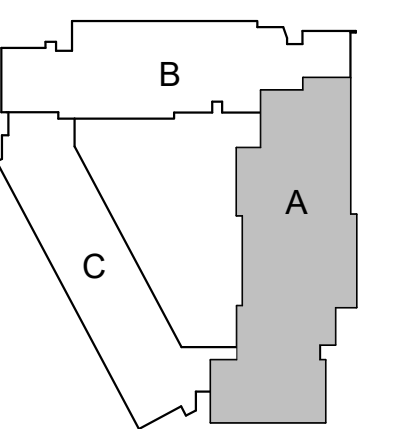
PROJECT TITLE

Galewood Elementary School Additions and Renovations

CHARLOTTE PUBLIC SCHOOLS
CHARLOTTE, MI

DRAWING TITLE

First Floor Plan - Zone 'A'



KEYPLAN

issue dates

10/20/2021 DESIGN DEVELOPMENT

date: issued for:

drawn MLH

checked

approved

project no.

20102

drawing no.

A1.1A

LOCKER LEGEND

- TYPE L-1 SINGLE-TIER STANDARD LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE ()
- TYPE L-2 SINGLE-TIER ADA ACCESSIBLE LOCKERS (17" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE () (REFER TO PLANS FOR ADA LOCATIONS)
- TYPE L-2 DOUBLE-TIER STANDARD LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE ()
- TYPE L-3 SINGLE-TIER STANDARD LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 2" BASE

- NOTES:
1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (ICON)
 2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
 3. SIZES INDICATED ABOVE REFER TO WIDTH X DEPTH X HEIGHT

WALL / PARTITION KEY

- METAL STUD PARTITION
- CMU PARTITION

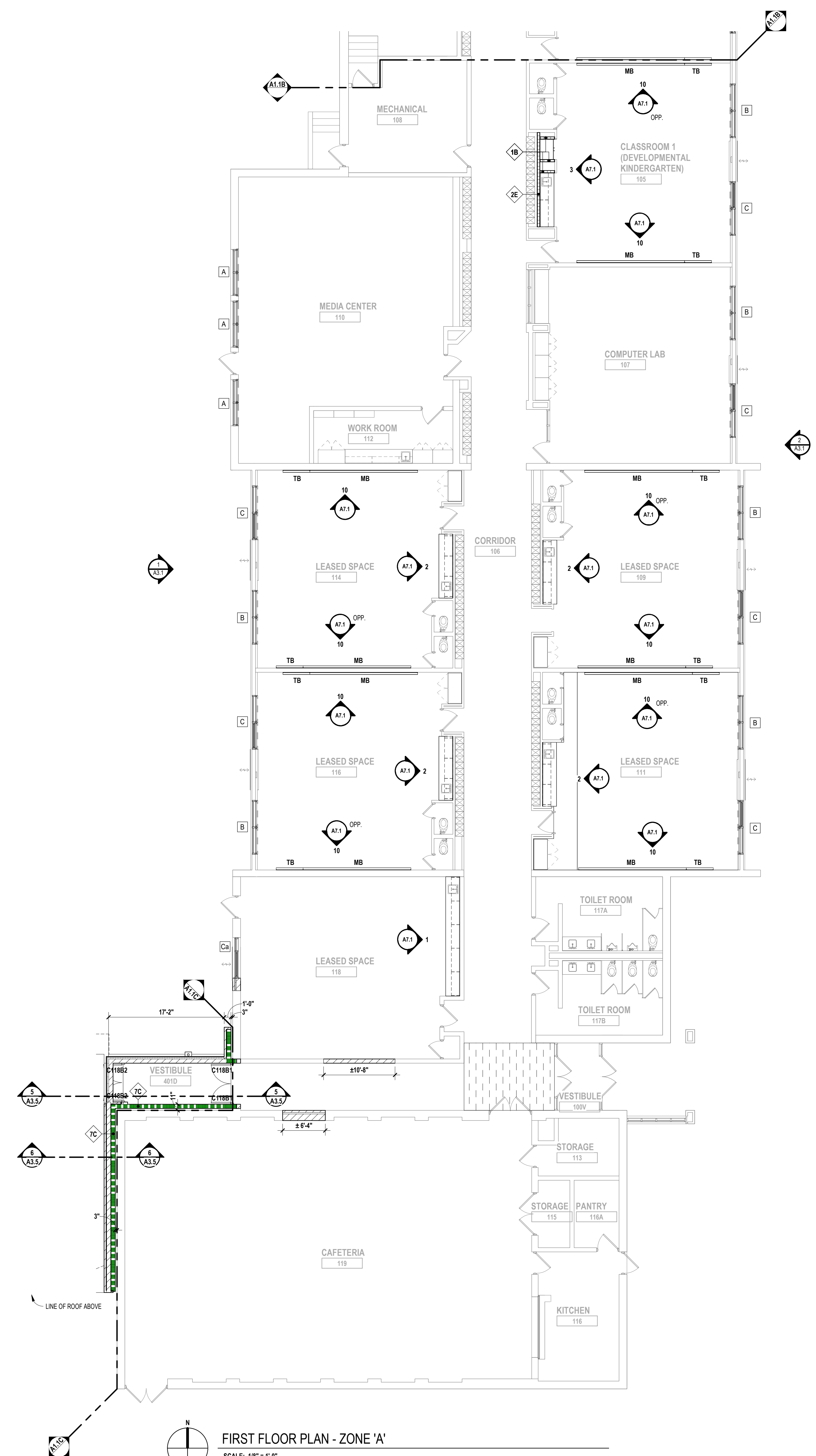
WALL / PARTITION LEGEND

- 1B 3/8" METAL STUDS @ 16" OC (MAX) W/ 3/8" GYP BOARD ONE SIDE TO 0" ABOVE CEILING
- 1F 3/8" METAL STUDS @ 16" OC (MAX) W/ 3/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
- 2C 3/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE
- 2D 6" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE
- 2E 3/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE, 1 HOUR RATED, UL DESIGN NO. U945
- 4A 4" CMU TO ONE FULL COURSE ABOVE CEILING
- 4E 4" CMU TO STRUCTURE ABOVE
- 4F 6" CMU TO STRUCTURE ABOVE
- 4G 8" CMU TO STRUCTURE ABOVE
- 4H 8" CMU TO STRUCTURE ABOVE
- 4I 12" CMU TO STRUCTURE ABOVE
- 4M 8" CMU TO STRUCTURE ABOVE - SMOKE PARTITION FOR EGRESS CORRIDORS
- 5C 8" CMU TO STRUCTURE ABOVE, 1HR FIRE PARTITION FOR STORAGE AND UTILITY ROOMS
- 7C 8" CMU TO STRUCTURE ABOVE, 3 HOUR RATED, UL DESIGN NO. U904

- NOTES:
1. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0" AFF. TYPICAL. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.
 2. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
 3. WHERE FINISH PLANS (A11) SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
 4. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 6" ABOVE THE ADJACENT HIGHEST CEILING. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
 5. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE BASIS OF DESIGN, HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07846 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT EXISTING SMOKE-RESISTING WALLS.
 6. ALL DOORS LOCATED 4" FROM JAMB TO ADJACENT WALL UNLESS OTHERWISE INDICATED.

GENERAL NOTES

1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
3. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECT'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
4. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
5. DIMENSIONS FOLLOWED BY A SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION, SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
8. VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL UNITS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
9. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
10. REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
11. REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
12. REFER TO A10_ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
13. REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
14. VERIFY ALL DIMENSIONS IN FIELD.
15. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS (i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, ACCORDIAN PARTITION JAMBS, ETC. REFER ALSO TO A8_ SERIES AND A8_ SERIES DRAWINGS).
16. REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
17. CONTRACTOR TO COORDINATE LOCATIONS OF COMM / ELEC. RECEPTACLES BASE ON CLASSROOM ELEVATIONS W/ ARCH EQUIPMENT AND NOTIFY ARCHITECT'S REPRESENTATIVE OF CONFLICTS.



FIRST FLOOR PLAN - ZONE 'A'
SCALE: 1/8" = 1'-0"



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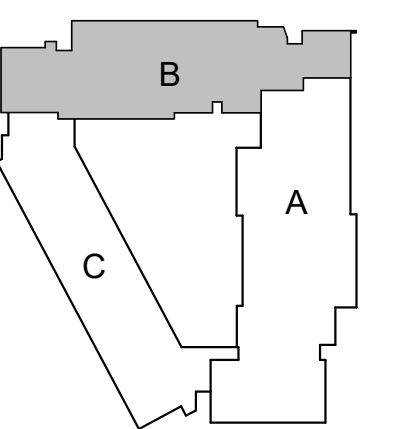
PROJECT TITLE

Galewood Elementary School Additions and Renovations

CHARLOTTE PUBLIC SCHOOLS
 CHARLOTTE, MI

DRAWING TITLE

First Floor Plan - Zone 'B'



KEYPLAN

issue dates

10/20/2021	DESIGN DEVELOPMENT
date:	issued for:
drawn:	MLH
checked:	
approved:	

project no.

20102

drawing no.

A1.1B

LOCKER LEGEND

TYPE L-1	[Symbol]	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE ()
TYPE L-2	[Symbol]	SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE () (REFER TO PLANS FOR ADA LOCATIONS)
TYPE L-2	[Symbol]	DOUBLE-TIER STANDARD LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE ()
TYPE L-3	[Symbol]	SINGLE-TIER STANDARD LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE

NOTES:

1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (ICON)
2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
3. SIZES INDICATED ABOVE REFER TO WIDTH X DEPTH X HEIGHT

WALL / PARTITION KEY

[Symbol]	METAL STUD PARTITION
[Symbol]	CMU PARTITION

WALL / PARTITION LEGEND

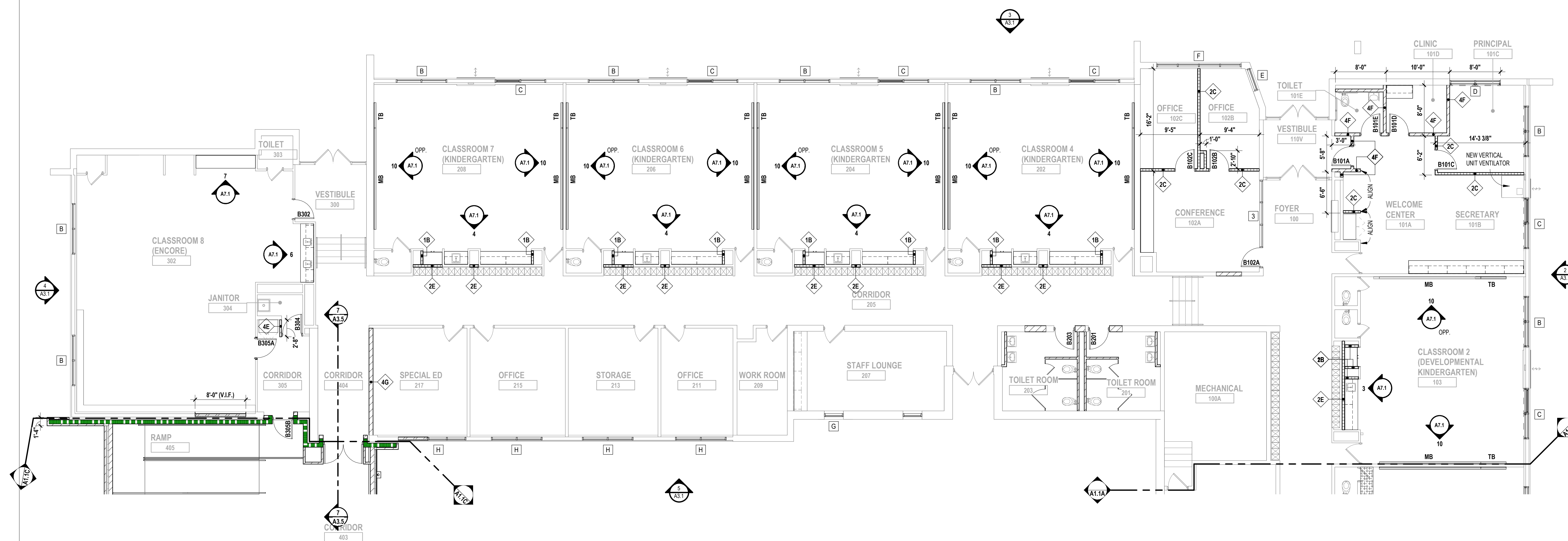
1B	3 5/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD ONE SIDE TO 0" ABOVE CEILING
1F	3 5/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
2C	3 5/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE
2D	6" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE
2E	3 5/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE, 1 HOUR RATED, UL DESIGN NO. U945
4A	4" CMU TO ONE FULL COURSE ABOVE CEILING
4E	4" CMU TO STRUCTURE ABOVE
4F	6" CMU TO STRUCTURE ABOVE
4G	8" CMU TO STRUCTURE ABOVE
4H	8" CMU TO STRUCTURE ABOVE
4I	12" CMU TO STRUCTURE ABOVE
4M	8" CMU TO STRUCTURE ABOVE - SMOKE PARTITION FOR EGRESS CORRIDORS
5C	8" CMU TO STRUCTURE ABOVE, 1HR FIRE PARTITION FOR STORAGE AND UTILITY ROOMS
7C	8" CMU TO STRUCTURE ABOVE, 3 HOUR RATED, UL DESIGN NO. U904

NOTES:

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2. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (I.E. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
3. WHERE FINISH PLANS (A11 SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
4. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
5. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE BASIS OF DESIGN, HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07846 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT EXISTING SMOKE-RESISTING WALLS.
6. ALL DOORS LOCATED 4" FROM JAMB TO ADJACENT WALL UNLESS OTHERWISE INDICATED.

GENERAL NOTES

1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
3. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECT'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
4. FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
5. DIMENSIONS FOLLOWED BY # SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION, SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR/INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
8. VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
9. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS, BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
10. REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
11. REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME CONDITIONS AT INTERIOR AND EXTERIOR WALLS.
12. REFER TO A10_ SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
13. REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
14. VERIFY ALL DIMENSIONS IN FIELD.
15. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS (I.E. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, ACCORDIAN PARTITION JAMBS, ETC. REFER ALSO TO A9_ SERIES AND A6_ SERIES DRAWINGS).
16. REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
17. CONTRACTOR TO COORDINATE LOCATIONS OF COMM / ELEC. RECEPTACLES BASE ON CLASSROOM ELEVATIONS W/ ARCH EQUIPMENT AND NOTIFY ARCHITECT'S REPRESENTATIVE OF CONFLICTS.



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



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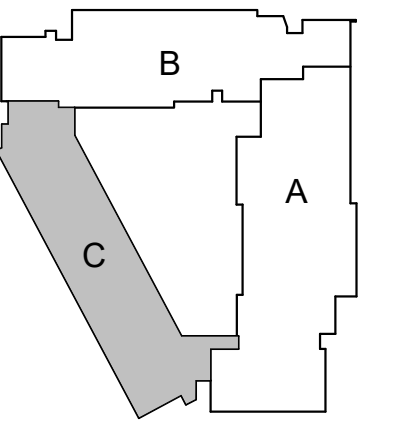
PROJECT TITLE

Galewood Elementary School Additions and Renovations

CHARLOTTE PUBLIC SCHOOLS
CHARLOTTE, MI

DRAWING TITLE

First Floor Plan - Zone 'C'



KEYPLAN

issue dates

date:	issued for:
10/20/2021	DESIGN DEVELOPMENT

drawn

MLH

checked

approved

project no.

20102

drawing no.

A1.1C

LOCKER LEGEND

TYPE L-1		SINGLE-TIER STANDARD LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE ()
TYPE L-2		SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE () (REFER TO PLANS FOR ADA LOCATIONS)
TYPE L-2		DOUBLE-TIER STANDARD LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE ()
TYPE L-3		SINGLE-TIER ADA ACCESSIBLE LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON METAL Z' BASE

NOTES:
1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (L0N)
2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
3. SIZES INDICATED ABOVE REFER TO WIDTH x DEPTH x HEIGHT

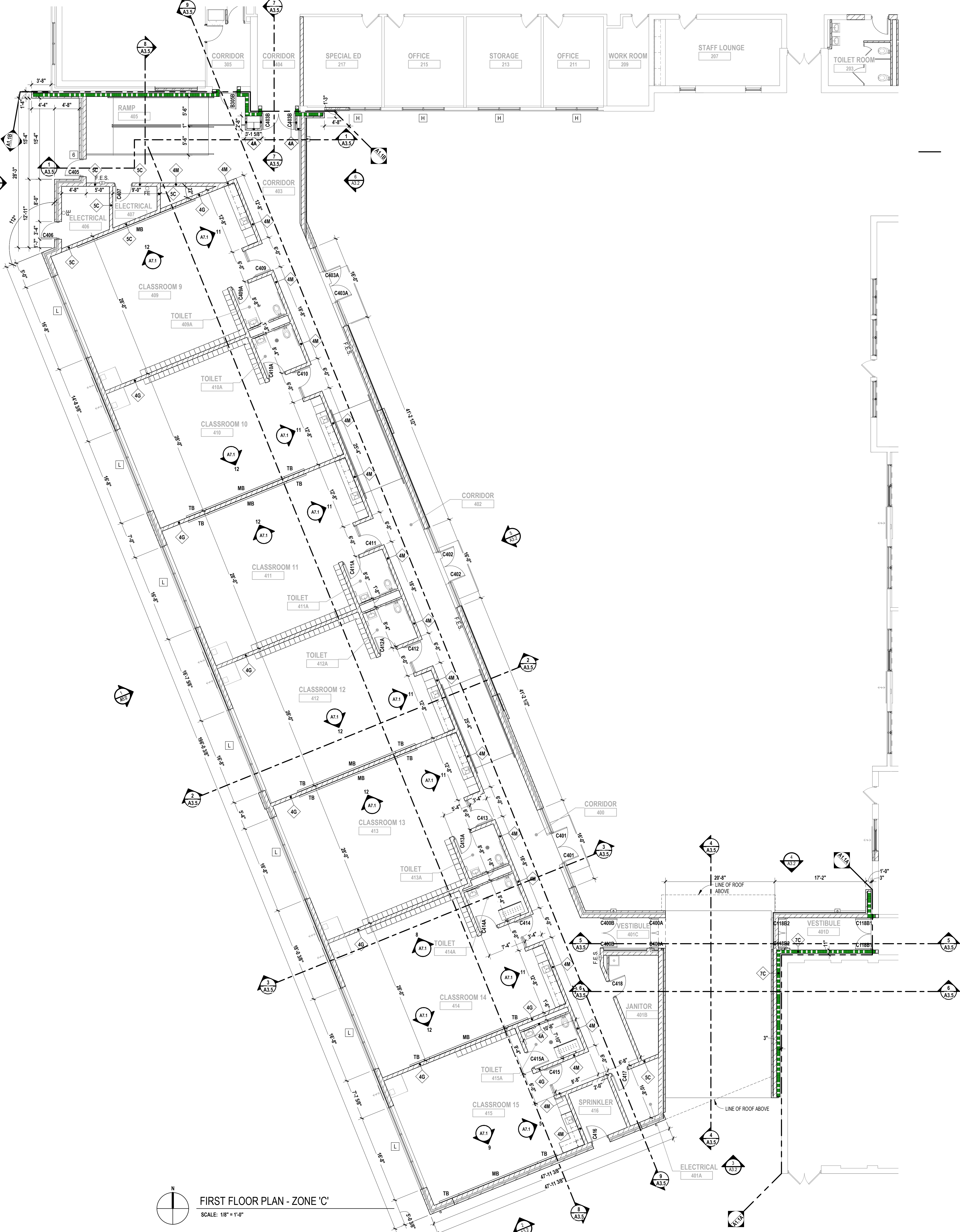
WALL / PARTITION KEY

	METAL STUD PARTITION
	CMU PARTITION

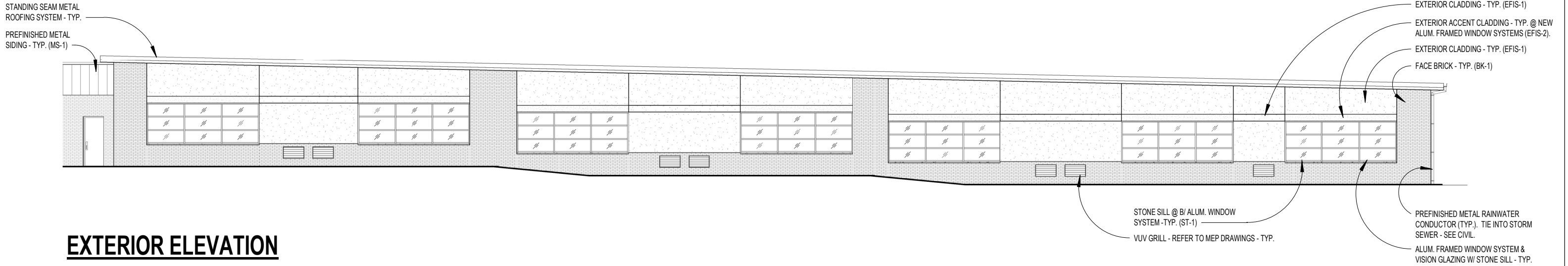
WALL / PARTITION LEGEND

1B	3/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
1C	3/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
2C	3/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE
2D	3/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE
2E	3/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE, 1 HOUR RATED, UL DESIGN NO. U46
4A	4" CMU TO ONE FULL COURSE ABOVE CEILING
4E	4" CMU TO STRUCTURE ABOVE
4F	6" CMU TO STRUCTURE ABOVE
4G	8" CMU TO STRUCTURE ABOVE
4H	8" CMU TO STRUCTURE ABOVE
4I	12" CMU TO STRUCTURE ABOVE
4M	8" CMU TO STRUCTURE ABOVE - SMOKE PARTITION FOR EGRESS CORRIDORS
5C	8" CMU TO STRUCTURE ABOVE, 1HR FIRE PARTITION FOR STORAGE AND UTILITY ROOMS
7C	8" CMU TO STRUCTURE ABOVE, 3 HOUR RATED, UL DESIGN NO. U94

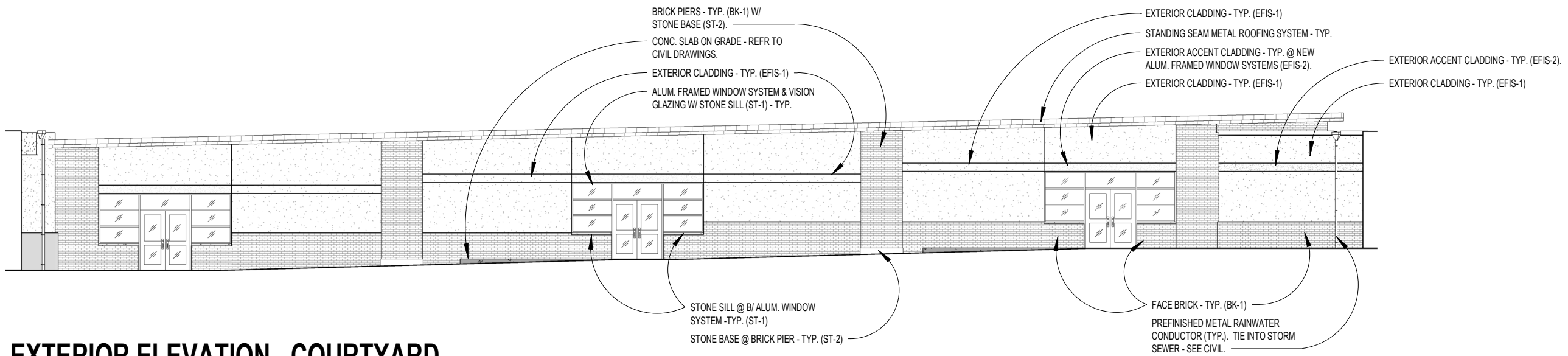
- ### GENERAL NOTES
- COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURERS.
 - COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
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 - INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION, SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
 - PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR/INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
 - VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
 - REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
 - REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
 - REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
 - REFER TO A10. SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
 - REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
 - VERIFY ALL DIMENSIONS IN FIELD.
 - PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS I.E. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, ACCORDIAN PARTITION JAMBS, ETC. REFER ALSO TO A8. SERIES AND A6. SERIES DRAWINGS.
 - REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
 - CONTRACTOR TO COORDINATE LOCATIONS OF COMM. / ELEC. RECEPTACLES BASE ON CLASSROOM ELEVATIONS W/ ARCH EQUIPMENT AND NOTIFY ARCHITECT'S REPRESENTATIVE OF CONFLICTS.



FIRST FLOOR PLAN - ZONE 'C'
SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION

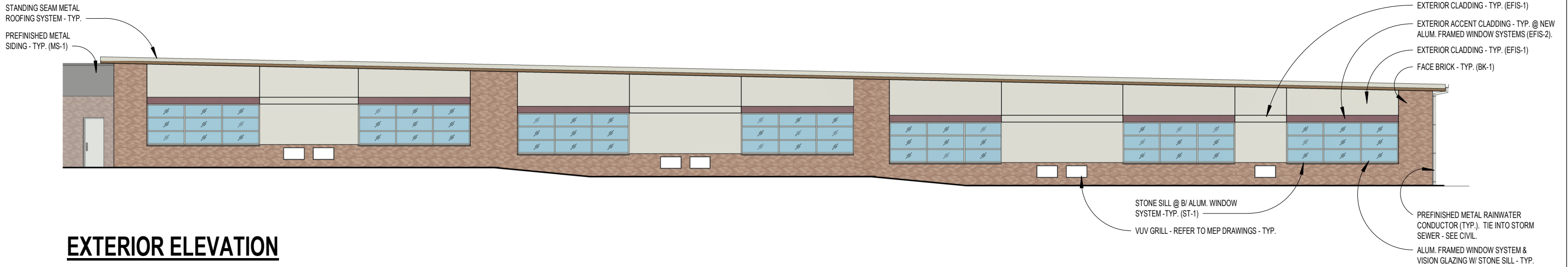


EXTERIOR ELEVATION - COURTYARD

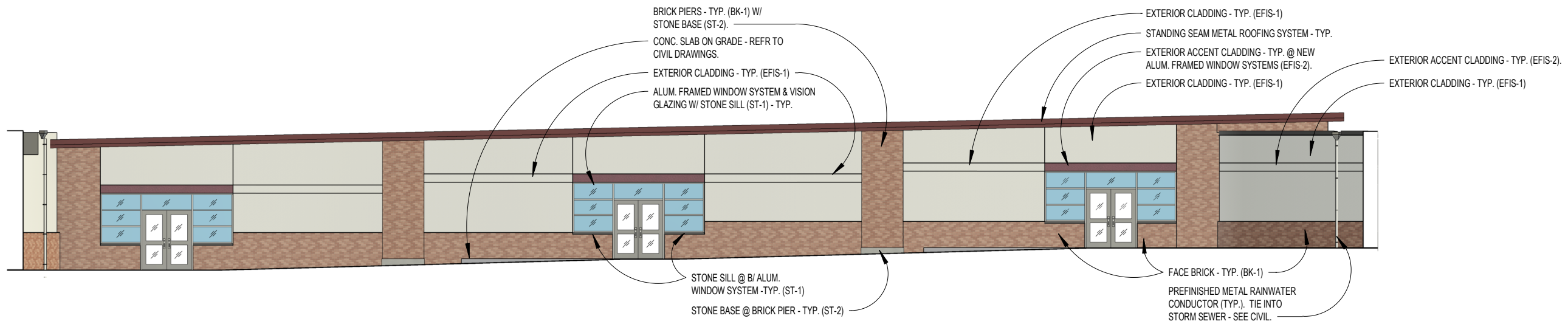
CHARLOTTE - GALEWOOD ELEMENTARY SCHOOL ADDITION

DESIGN CONCEPT





EXTERIOR ELEVATION



EXTERIOR ELEVATION - COURTYARD

CHARLOTTE - GALEWOOD ELEMENTARY SCHOOL ADDITION

DESIGN CONCEPT





CHARLOTTE - GALEWOOD ELEMENTARY SCHOOL ADDITION

DESIGN CONCEPT



Washington Elementary



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registration seal

consultant

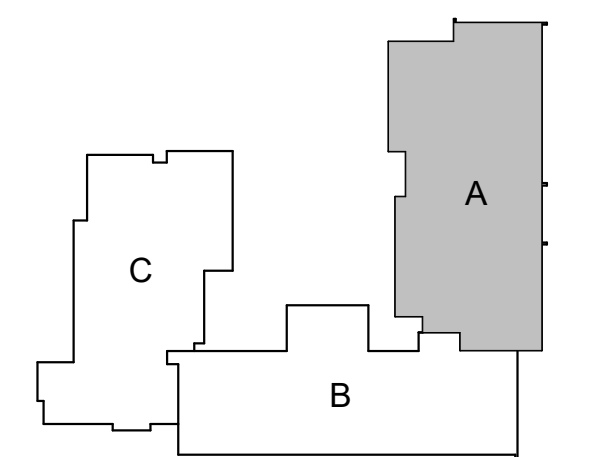
PROJECT TITLE

**Washington
Elementary School
Addition and
Renovations**

**CHARLOTTE PUBLIC SCHOOLS
CHARLOTTE, MI**

DRAWING TITLE

First Floor Plan - Zone 'A'



KEYPLAN

issue dates

date:	issued for:
10/20/21	DESIGN DEVELOPMENT

project no.

20104

drawing no.

A1.1A

LOCKER LEGEND

TYPE L-1	□ SINGLE-TIER STANDARD LOCKERS (12" X 12" X 60" HIGH) VENTILATED, ON CONCRETE BASE (121 AB.1)
TYPE L-2	□ SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 12" X 60" HIGH) ON CONCRETE BASE (121 AB.1) (REFER TO PLANS FOR ADA LOCATIONS)
TYPE L-2	□ DOUBLE-TIER STANDARD LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON CONCRETE BASE (121 AB.1)

NOTES:
1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
3. SIZES INDICATED ABOVE REFER TO WIDTH X DEPTH X HEIGHT

WALL / PARTITION KEY

	METAL STUD PARTITION
	CMU PARTITION

WALL / PARTITION LEGEND

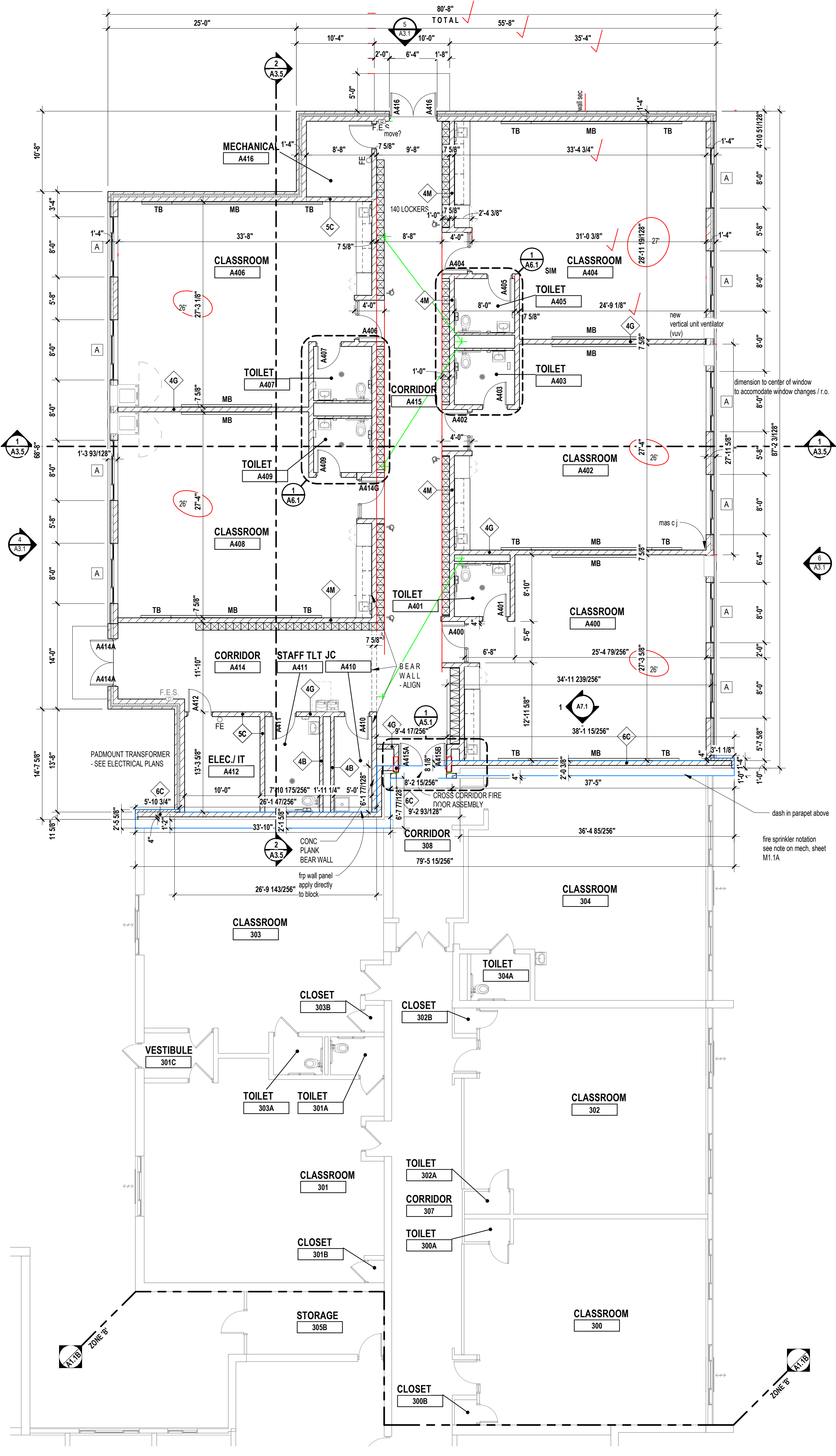
1A

2A	3.5" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO 8' ABOVE CEILING
2B	8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO 8' ABOVE CEILING
4A	4" CMU TO ONE FULL COURSE ABOVE CEILING
4B	8" CMU TO ONE FULL COURSE ABOVE CEILING
4C	8" CMU TO ONE FULL COURSE ABOVE CEILING
4D	12" CMU TO ONE FULL COURSE ABOVE CEILING
4E	4" CMU TO STRUCTURE ABOVE
4F	6" CMU TO STRUCTURE ABOVE
4G	8" CMU TO STRUCTURE ABOVE
4H	12" CMU TO STRUCTURE ABOVE
4I	8" CMU TO STRUCTURE ABOVE - SMOKE PARTITION FOR EGRESS CORRIDORS
5D	8" CMU TO STRUCTURE ABOVE - 1HR FIRE PARTITION FOR STORAGE AND UTILITY ROOMS
6C	8" CMU TO STRUCTURE ABOVE, 2 HOUR RATED, UL DESIGN NO. U965
6D	FIRE WALL: 12" CMU TO STRUCTURE ABOVE, 2 HOUR RATED, UL DESIGN NO. U965
7C	8" CMU TO STRUCTURE ABOVE, 3 HOUR RATED, UL DESIGN NO. U964

NOTES:
1. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0" AFF. TYPICAL
2. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS
3. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
4. WHERE FINISH PLANS (A11) SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
5. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 8' ABOVE THE ADJACENT HIGHEST CEILING. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS.
6. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN" HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07846 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT EXISTING SMOKE-RESISTING WALLS.
7. ALL DOORS LOCATED 4" FROM JAMB TO ADJACENT WALL UNLESS OTHERWISE INDICATED.

GENERAL NOTES

- COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
- COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
- CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECT'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
- FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
- DIMENSIONS FOLLOWED BY A SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
- INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C640. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION, SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
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- REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
- REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
- REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
- VERIFY ALL DIMENSIONS IN FIELD.
- PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS (i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, ACCORDIAN PARTITION JAMBS, ETC). REFER ALSO TO AB_ SERIES AND AB_ SERIES DRAWINGS.
- REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
- CONTRACTOR TO COORDINATE LOCATIONS OF COMM / ELEC. RECEPTACLES BASE ON CLASSROOM ELEVATIONS W/ ARCH EQUIPMENT AND NOTIFY ARCHITECT'S REPRESENTATIVE OF CONFLICTS.



FIRST FLOOR PLAN - ZONE 'A'
SCALE: 1/8" = 1'-0"

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registration seal

consultant

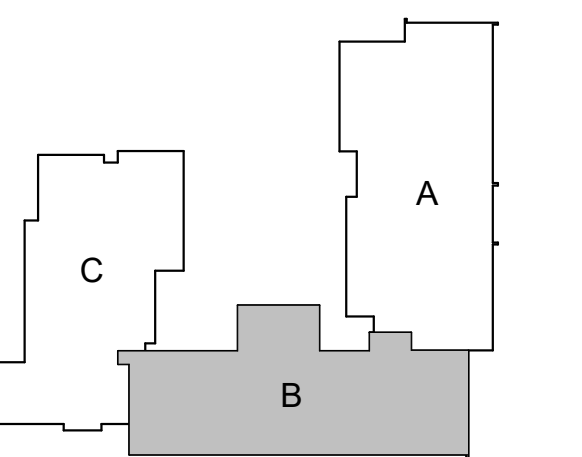
PROJECT TITLE

**Washington
 Elementary School
 Addition and
 Renovations**

**CHARLOTTE PUBLIC SCHOOLS
 CHARLOTTE, MI**

DRAWING TITLE

First Floor Plan - Zone 'B'



KEYPLAN

issue dates

date:	issued for:

10/28/21 DESIGN DEVELOPMENT

date:	issued for:

project no.

20104

drawing no.

A1.1B

LOCKER LEGEND

TYPE L-1	SINGLE-TIER STANDARD LOCKERS (12' X 12' X 60" HIGH) VENTILATED, ON CONCRETE BASE (12' AB.1)
TYPE L-2	SINGLE-TIER ADA ACCESSIBLE LOCKERS (12' X 12' X 60" HIGH) ON CONCRETE BASE (12' AB.1) (REFER TO PLANS FOR ADA LOCATIONS)
TYPE L-2	DOUBLE-TIER STANDARD LOCKERS (12' X 15' X 60" HIGH) VENTILATED, ON CONCRETE BASE (12' AB.1)

NOTES:
 1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (NON)
 2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
 3. SIZES INDICATED ABOVE REFER TO WIDTH X DEPTH X HEIGHT

WALL / PARTITION KEY

	METAL STUD PARTITION
	CMU PARTITION

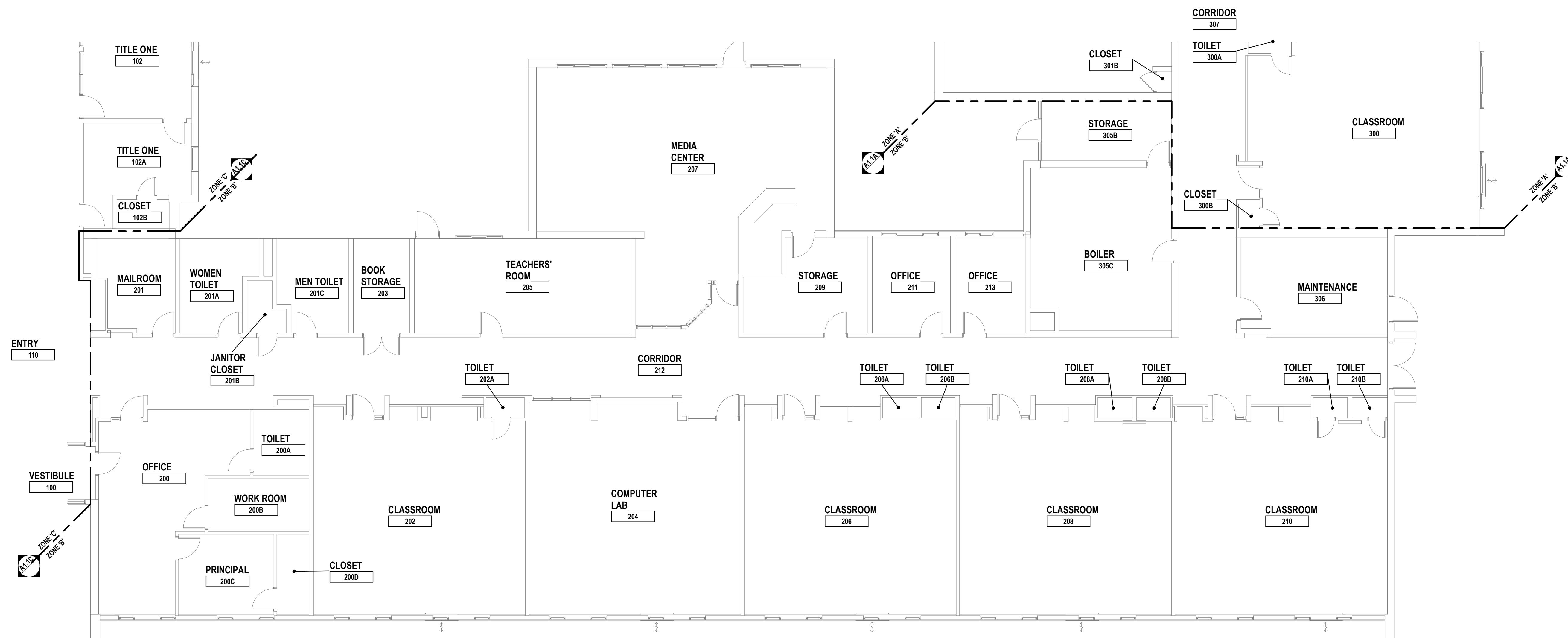
WALL / PARTITION LEGEND

2A	3 5/8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO 8' ABOVE CEILING
2B	8" METAL STUDS @ 16" OC (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO 8' ABOVE CEILING
4A	4" CMU TO ONE FULL COURSE ABOVE CEILING
4B	8" CMU TO ONE FULL COURSE ABOVE CEILING
4C	8" CMU TO ONE FULL COURSE ABOVE CEILING
4D	12" CMU TO ONE FULL COURSE ABOVE CEILING
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4G	8" CMU TO STRUCTURE ABOVE
4H	12" CMU TO STRUCTURE ABOVE
4M	8" CMU TO STRUCTURE ABOVE - SMOKE PARTITION FOR EGRESS CORRIDORS
5D	8" CMU TO STRUCTURE ABOVE - 1HR FIRE PARTITION FOR STORAGE AND UTILITY ROOMS
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- NOTES:
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 - PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
 - WHERE FINISH PLANS (A1) SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
 - COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 8' ABOVE THE ADJACENT HIGHEST CEILING. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
 - AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN" HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07846 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT EXISTING SMOKE-RESISTING WALLS.
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- CONTRACTOR TO COORDINATE LOCATIONS OF COMM. / ELEC. RECEPTACLES BASE ON CLASSROOM ELEVATIONS W/ ARCH EQUIPMENT AND NOTIFY ARCHITECT'S REPRESENTATIVE OF CONFLICTS.



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

registration seal

consultant

PROJECT TITLE
**Washington
 Elementary School
 Addition and
 Renovations**

CHARLOTTE PUBLIC SCHOOLS
 CHARLOTTE, MI

DRAWING TITLE
Exterior Elevations

KEYPLAN

issue dates

10/20/21 DESIGN DEVELOPMENT

date: issued for:

drawn: Author

checked: Checker

approved: Approver

project no.

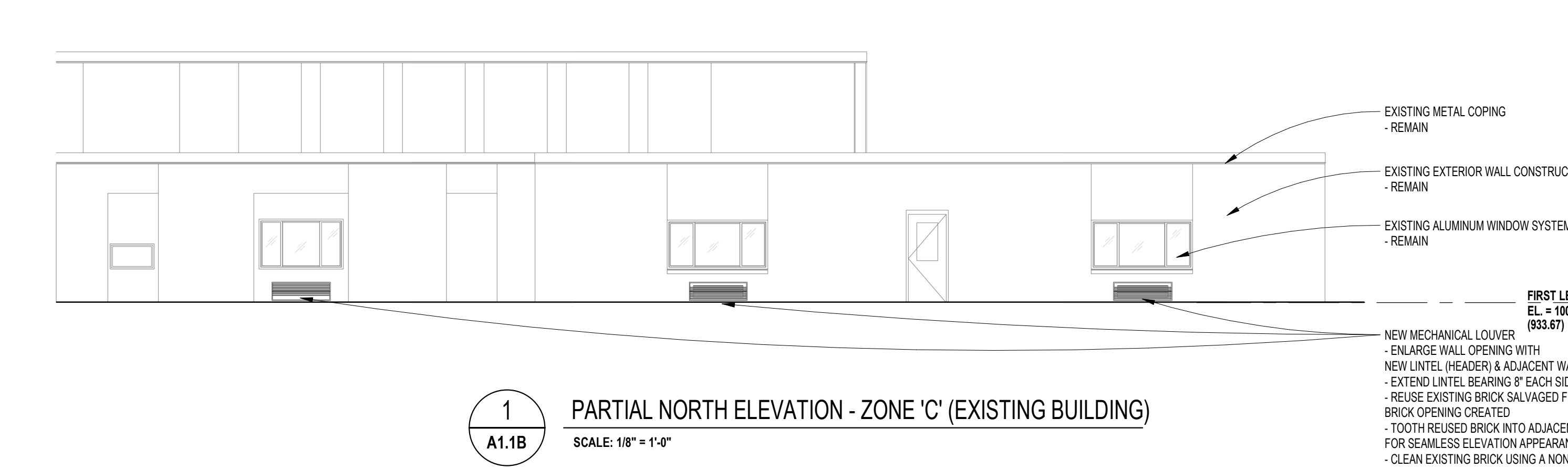
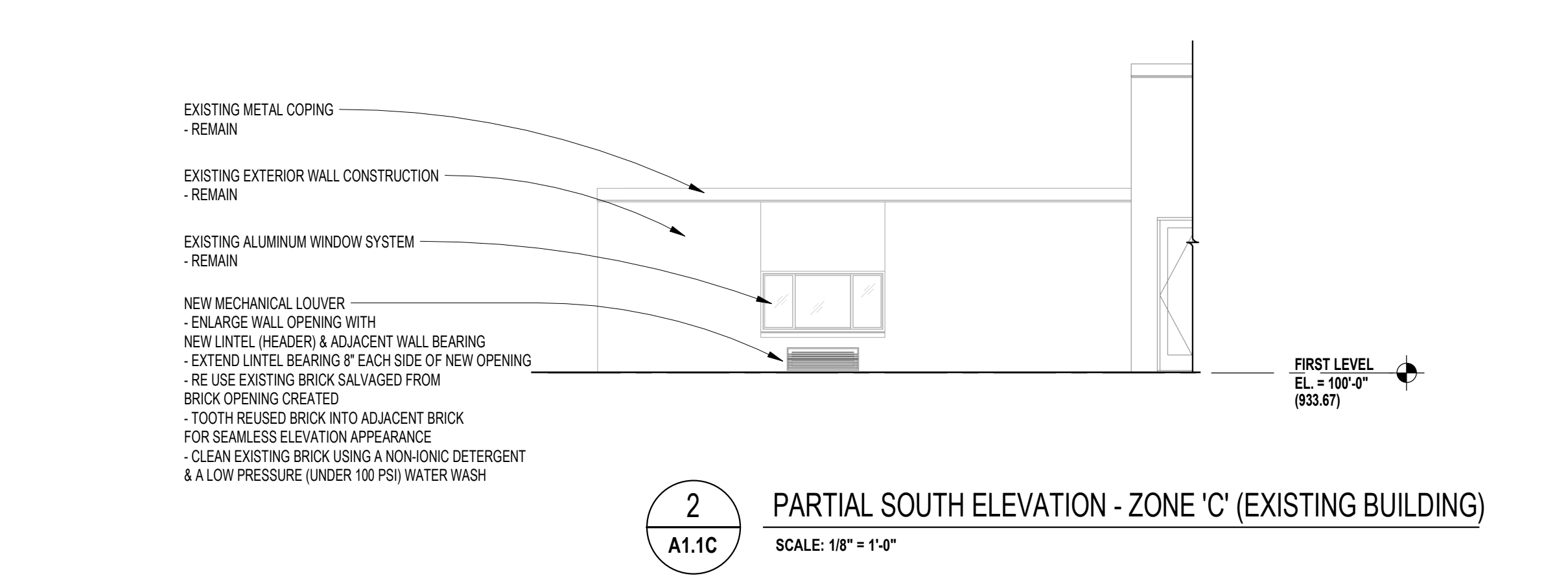
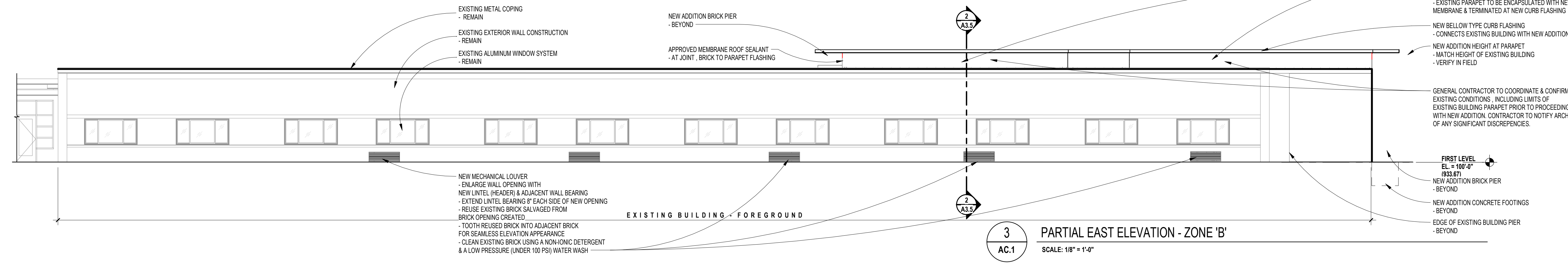
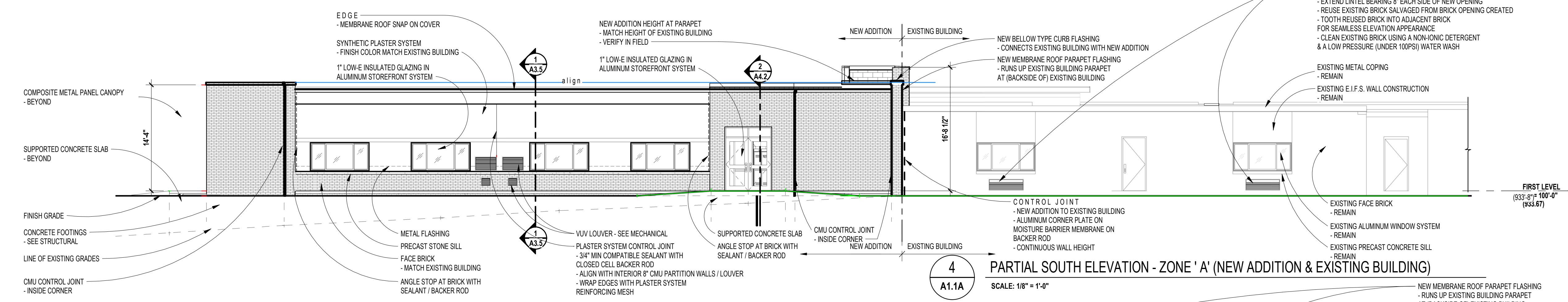
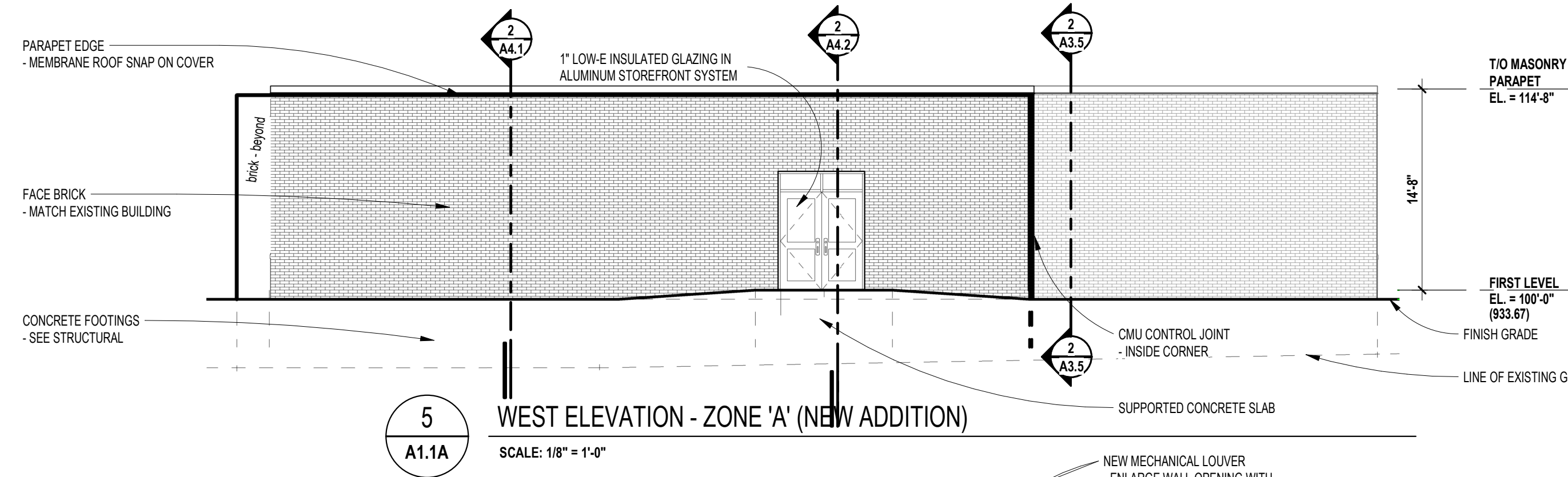
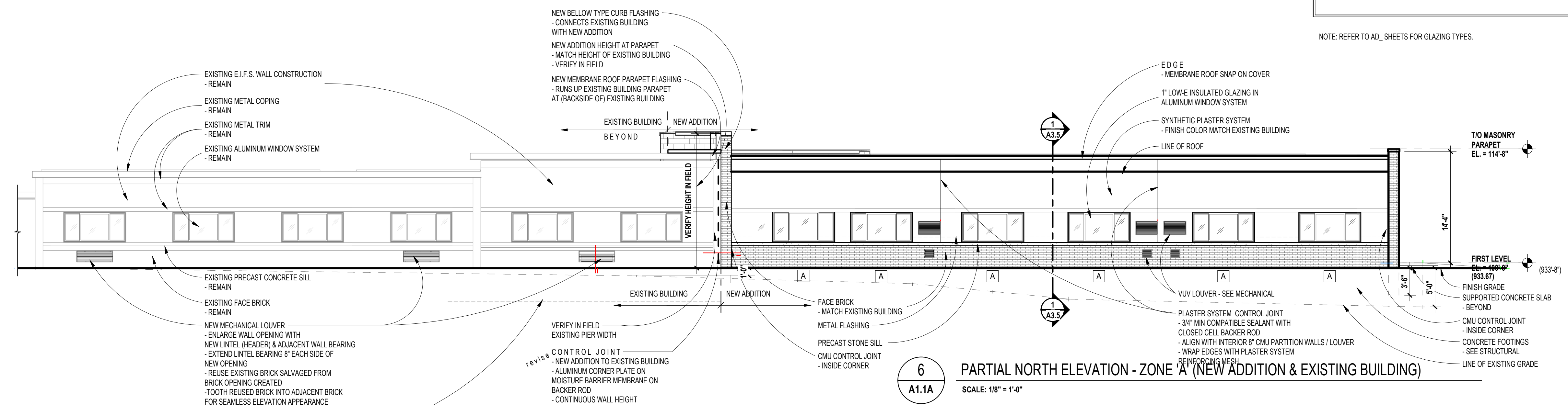
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drawing no.

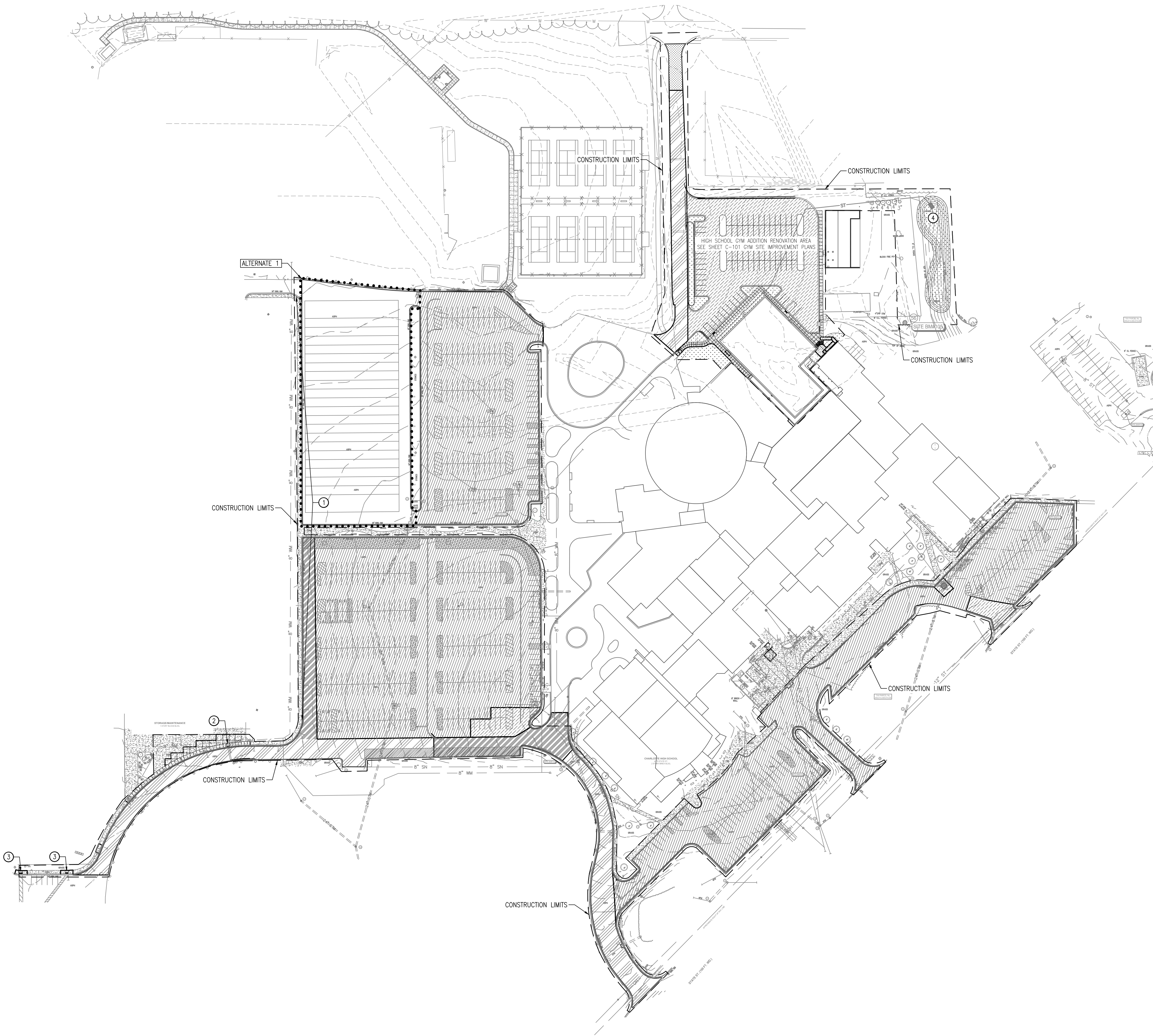
A3.1

SYMBOL LEGEND	
	WINDOW TYPE

NOTE: REFER TO AD_SHEETS FOR GLAZING TYPES.



Charlotte High School



SITE BM#101 CHISELED "x" ON SIDE OF LIGHT POLE BASE LOCATED IN EAST ASPH PARKING LOT +/-90' SE OF THE SE BLDG COR OF CHARLOTTE HIGH SCHOOL ELEV.=921.39

SITE BM#102 CHISELED "x" ON NW RIM OF MANHOLE (STR. #13) LOCATED +/-69' SW OF MIDDLE DRIVEWAY ENTRANCE ELEV.=923.39

SITE BM#103 CHISELED "x" ON NORTH RIM OF MANHOLE (STR. #26) LOCATED +/-46' SW OF WESTERLY BLDG COR & +/-4' SW OF CURB TO SOUTH DRIVEWAY ELEV.=928.14

SITEBM#104 CHISELED "x" ON NORTH RIM OF SQ. CATCH BASIN (STR #38) LOCATED IN SOUTH CURB OF THE NW ASPH PARKING LOT +/-176' WEST OF BLDG FACE ELEV.=931.89

DATUM: GPS-DERIVED NAVD'88

SITE IMPROVEMENT LEGEND

- CONSTRUCTION LIMITS
- CONCRETE CURB AND GUTTER
- CONCRETE SIDEWALK (2, 3) C-501 C-501
- STANDARD DUTY HMA SURFACE FULL REPLACEMENT (4) C-501
- HEAVY DUTY HMA SURFACE FULL REPLACEMENT (5) C-501
- STANDARD DUTY HMA SURFACE MILL AND OVERLAY (6) C-501
- CONCRETE PAVEMENT REPLACEMENT (10) C-501
- LAWN/LANDSCAPE AREA

SITE IMPROVEMENT KEY

- 1 APPLY JOINT SEALANT COMPOUND BETWEEN EX. CONCRETE SIDEWALK AND CURB
- 2 INSTALL TYPE F ADA RAMP
- 3 INSTALL TYPE P ADA RAMP
- 4 DETENTION BASIN

SITE IMPROVEMENT NOTES

1. ALL AREAS SHOWN NOT BUILT, PAVED OR OTHERWISE COVERED BY CONSTRUCTION SHALL BE HYDROMULCH SEEDED, REFER TO SPECS FOR DETAILS.
2. ALL AREAS DISTURBED BY CONSTRUCTION WHICH ARE OUTSIDE THE CONSTRUCTION LIMITS SHALL BE RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN EXISTING CONDITIONS.
3. THE SITE CONTRACTOR SHALL COORDINATE WORK WITH ALL ADJACENT CONSTRUCTION BY OTHERS.
4. ALL GRADES ARE TO MATCH EXISTING AT LIMITS OF DEMOLITION.
5. NEWLY SURFACED OR REPLACED PAVEMENTS SHALL BE STRIPED TO MATCH EXISTING.



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REGISTRATION SEAL

CONSULTANT



PROJECT TITLE
Charlotte High School Addition & Remodeling

Charlotte Public Schools

DRAWING TITLE
Overall Site Improvements Plan

ISSUE DATES

12-08-2021 VE DESIGN DEVELOPMENT

DATE: ISSUED FOR:

DRAWN JMM

CHECKED ...

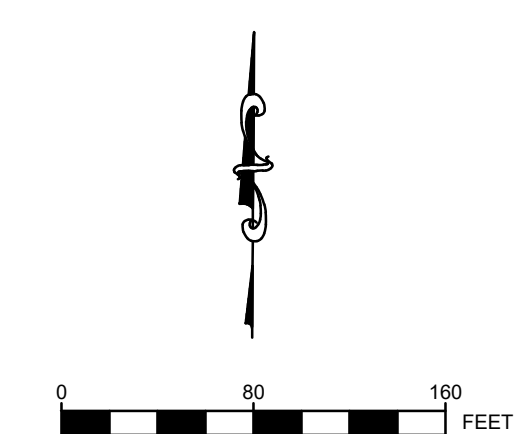
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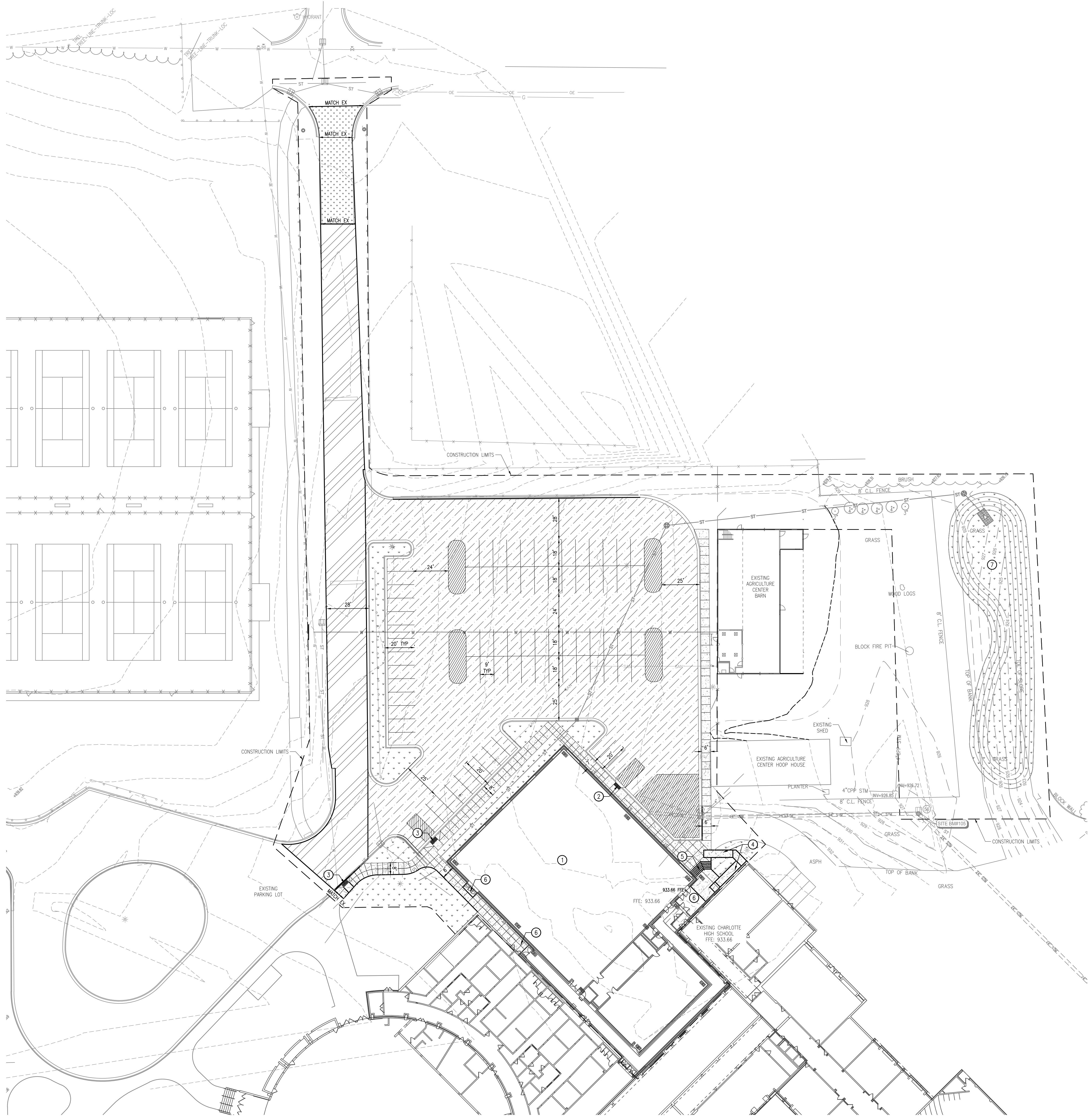
PROJECT NO.

20106

DRAWING NO.

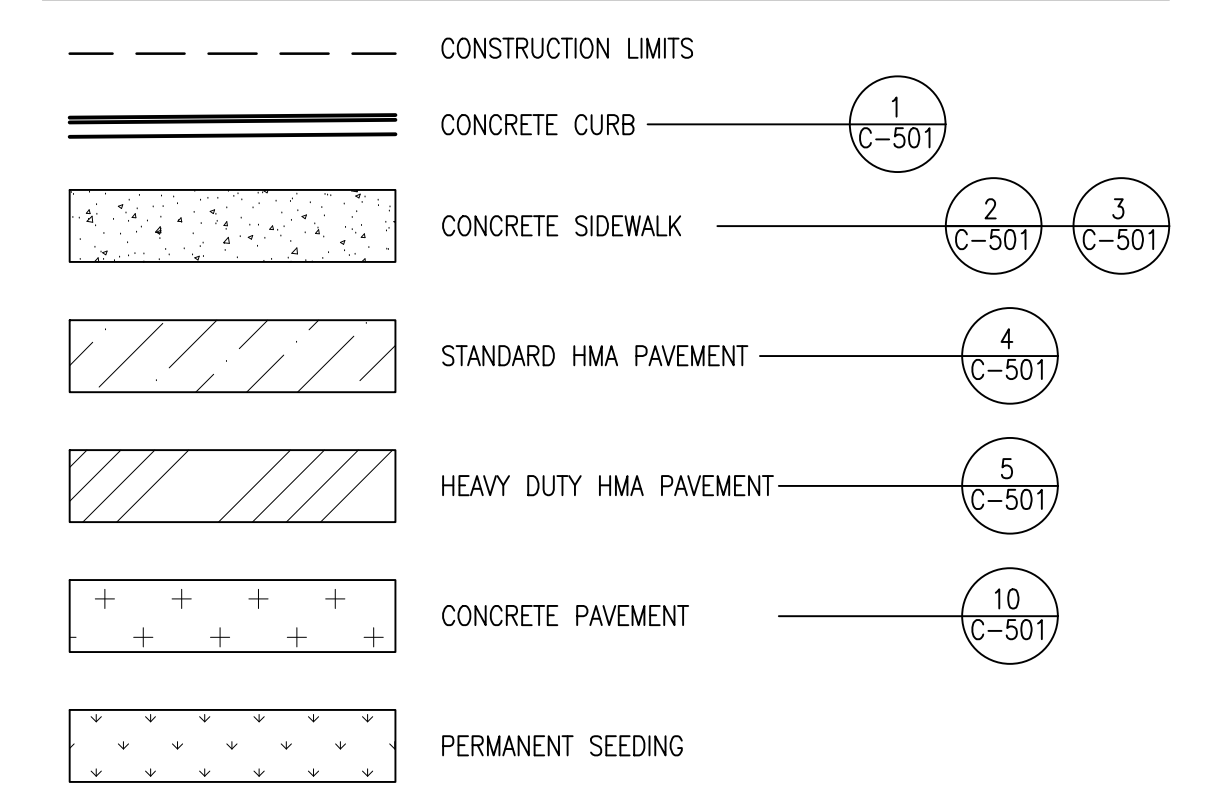
C-105





BENCHMARKS
 BM #200 - BOLT OF LIGHT POLE N.W. OF DOME PORTION OF HIGH SCHOOL BUILDING, EAST OF SIDEWALK AND DRIVE.
 NAVD83 EL. 937.32

SITE IMPROVEMENT LEGEND



SITE IMPROVEMENT KEY

- ① BUILDING ADDITION. REFER TO ARCH PLANS.
- ② PROPOSED MDOT TYPE P ADA SIDEWALK RAMP
- ③ PROPOSED MDOT TYPE F ADA SIDEWALK RAMP
- ④ PROPOSED RAMP ENTRY
- ⑤ PROPOSED STAIR ENTRY
- ⑥ PROPOSED ENTRY STOOP; SEE STRUCTURAL PLANS
- ⑦ PROPOSED DETENTION POND

SITE IMPROVEMENT NOTES

SEE OVERALL SITE IMPROVEMENTS FOR GENERAL SITE IMPROVEMENT NOTES AND PERMANENT SEED NOTES, INCLUDING PERMANENT SEEDING NOTES.

PARKING

PROPOSED PARKING SPACES: 84
 REQUIRED ADA: 4



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REGISTRATION SEAL

CONSULTANT



PROJECT TITLE
 Charlotte High School Addition & Remodeling

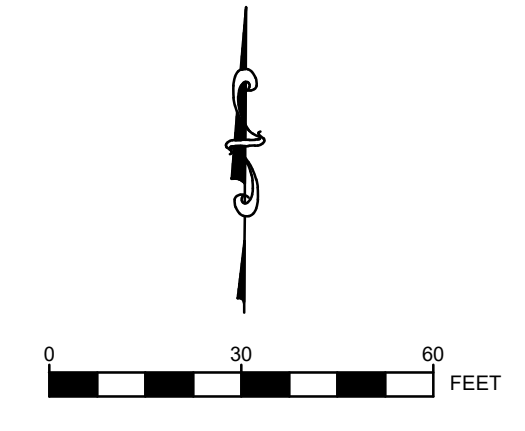
Charlotte Public Schools

DRAWING TITLE
 Gym Addition Site Improvements Plan

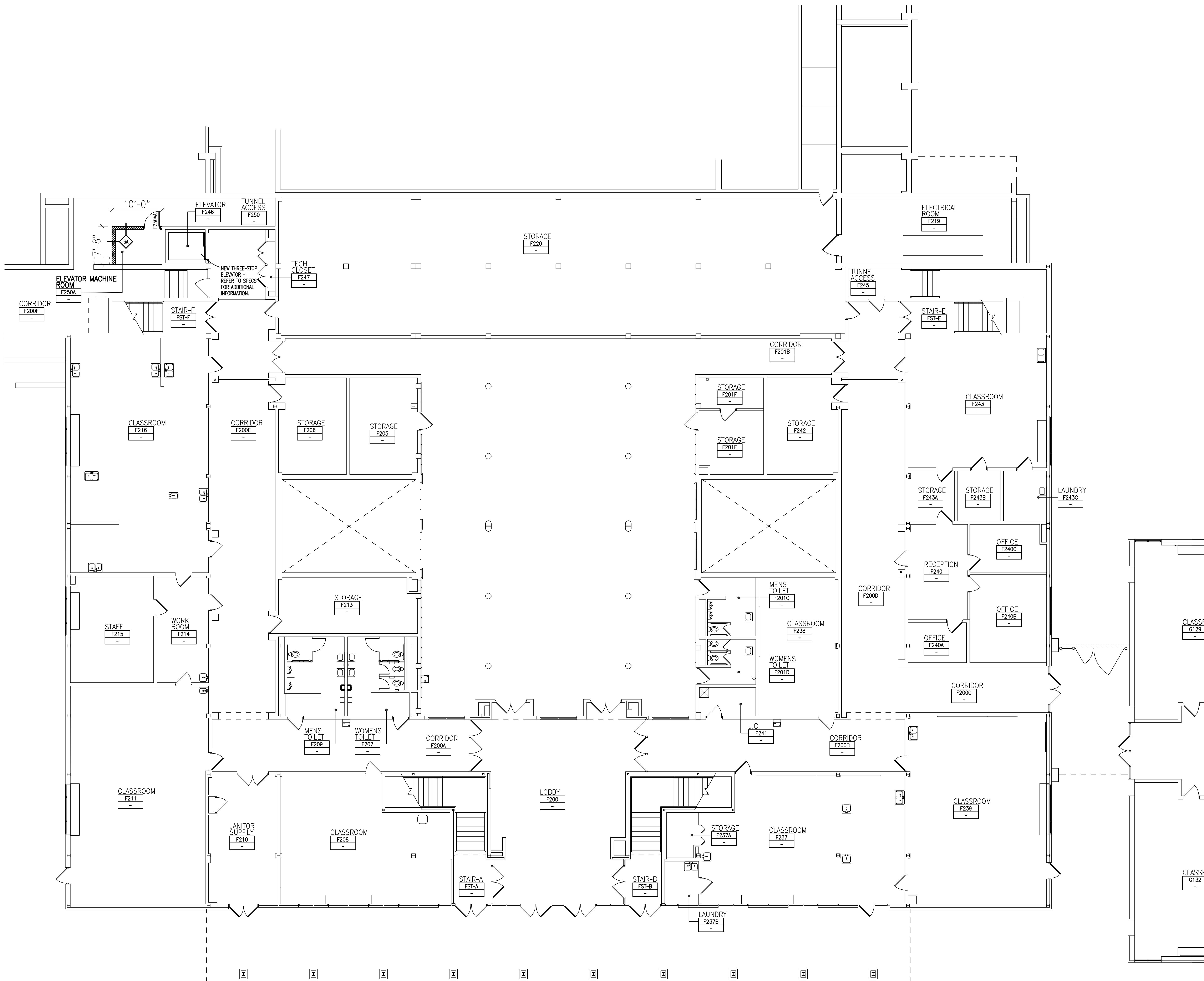
ISSUE DATES

12-08-2021	VE DESIGN DEVELOPMENT
DATE:	ISSUED FOR:
DRAWN	JMM
CHECKED	
APPROVED	

PROJECT NO.
 20106
 DRAWING NO.
 C-106



Drawing File: S:\2020\20106_Charlotte_High_School_Gym_School\Sheet\20106_C-106_Site_Improvements.dwg
 Date: 12/08/2021 10:51 AM
 User: jmm



WALL / PARTITION KEY

	EXISTING WALL CONSTRUCTION
	METAL STUD PARTITION
	CONCRETE MASONRY UNIT WALL w/ HORIZONTAL JOINT REINFORCEMENT AT 16" O.C.
	CAST-IN-PLACE CONCRETE WALL (REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS)

- GENERAL NOTES**
- COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
 - COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
 - CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECT'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
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 - INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
 - PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR/INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
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 - REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
 - REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
 - REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
 - REFER TO A10... SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
 - REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
 - REFER TO DRAWING AB.1 FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE AND MASONRY CONTROL JOINT DETAILS.
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 - PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TACKBOARDS, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
 - MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
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 - TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.



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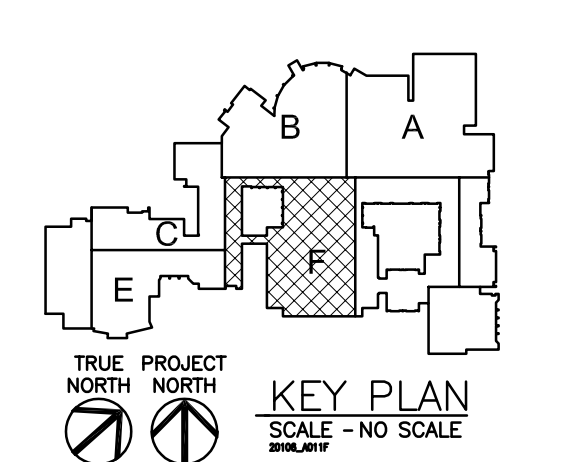
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Charlotte High School Addition & Remodeling

Charlotte Public Schools

DRAWING TITLE
Basement Level Floor Plan - Zone 'F'



ISSUE DATES

DATE	ISSUED FOR:
10/14/2021	DESIGN DEVELOPMENT

DRAWN	KYC
CHECKED	...
APPROVED	...

PROJECT NO.

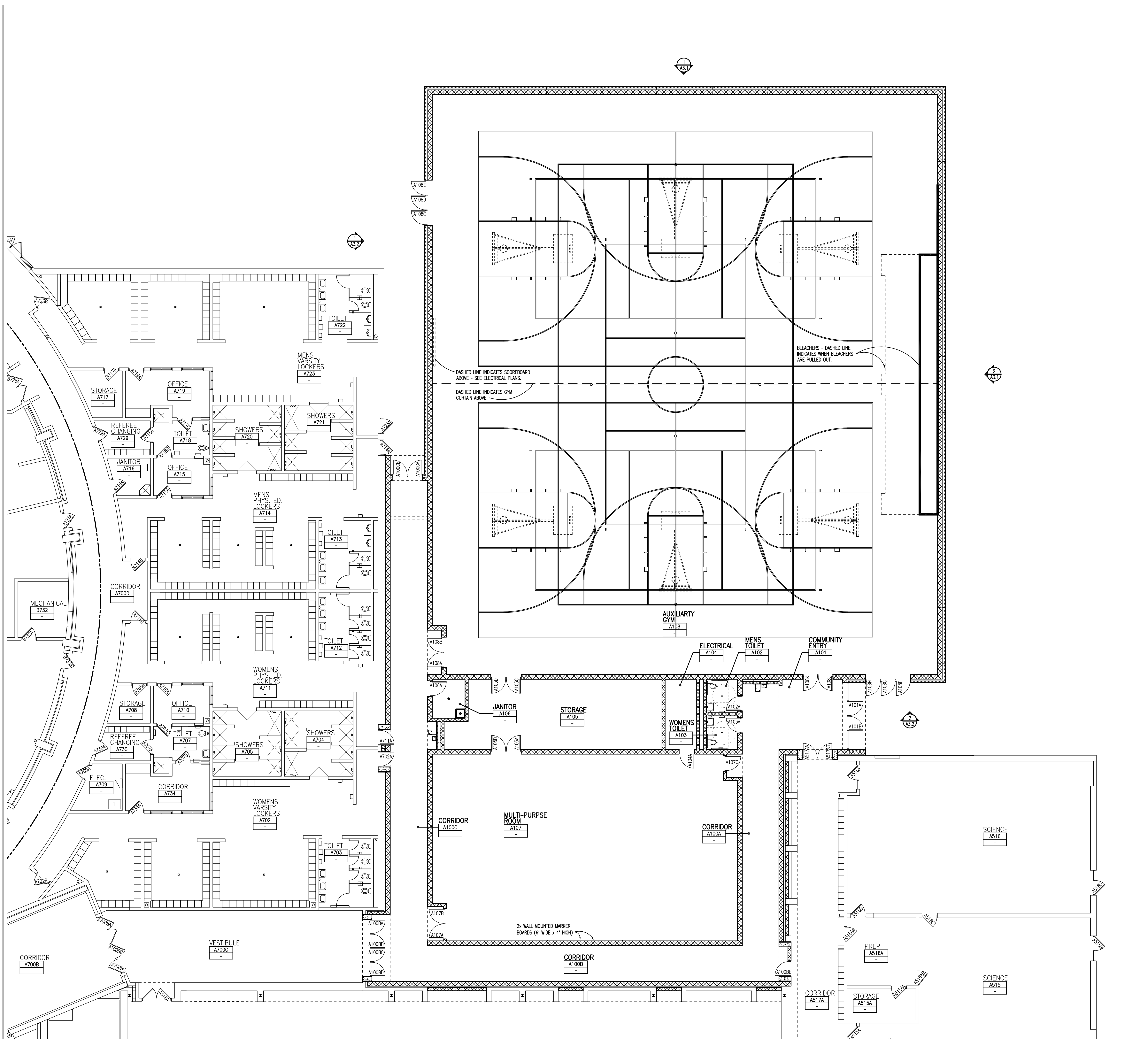
20106

DRAWING NO.

A1.0F

BASEMENT LEVEL FLOOR PLAN - ZONE 'F'
 SCALE: 1/8" = 1'-0"
 TRUE NORTH

Drawing File: C:\projects\2020\msh\20106\20106_A1.0F.dwg
 Dec 08, 2021 11:58:38am



WALL / PARTITION KEY

	EXISTING WALL CONSTRUCTION
	METAL STUD PARTITION
	CONCRETE MASONRY UNIT WALL w/ HORIZONTAL JOINT REINFORCEMENT AT 16" O.C.
	CAST-IN-PLACE CONCRETE WALL (REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS)

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 - REFER TO DRAWING A8.1 FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE AND MASONRY CONTROL JOINT DETAILS.
 - VERIFY ALL DIMENSIONS IN FIELD.
 - PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS I.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, ACCORDIAN PARTITION JAMBS, ETC. REFER ALSO TO A9... SERIES AND A6... SERIES DRAWINGS.
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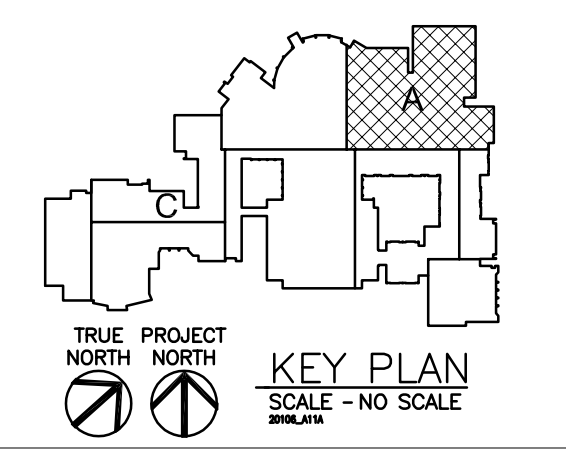
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Charlotte High School Addition & Remodeling

Charlotte Public Schools

DRAWING TITLE
First Level Floor Plan - Zone 'A'



ISSUE DATES

10/14/2021	DESIGN DEVELOPMENT
10/06/2021	OWNER REVIEW
07/30/2021	SCHEMATIC DESIGN

DATE ISSUED FOR:

DRAWN	DLE
CHECKED	...
APPROVED	...

PROJECT NO.

20106

DRAWING NO.

A1.1A

FIRST LEVEL FLOOR PLAN - ZONE 'A'
 SCALE: 1/8" = 1'-0"

Drawing File: C:\Users\jdu\Desktop\CFP_Consultant_Architect\20106_A1.1A.dwg
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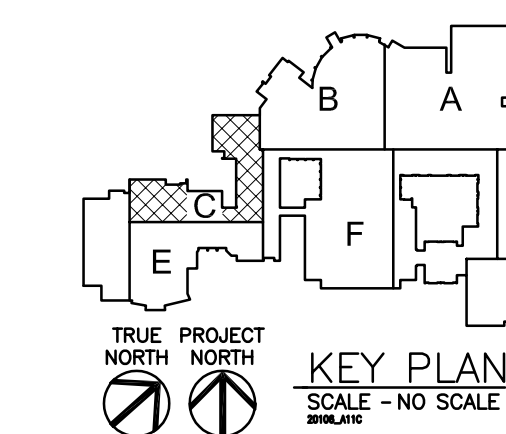
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Charlotte High School Addition & Remodeling

Charlotte Public Schools

DRAWING TITLE
Second Level Floor Plan - Zone 'C'



ISSUE DATES

DATE	ISSUED FOR:
10/14/2021	DESIGN DEVELOPMENT
10/06/2021	OWNER REVIEW
07/30/2021	SCHEMATIC DESIGN

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CHECKED	...
APPROVED	...

PROJECT NO.

20106

DRAWING NO.

A1.1C

WALL / PARTITION KEY

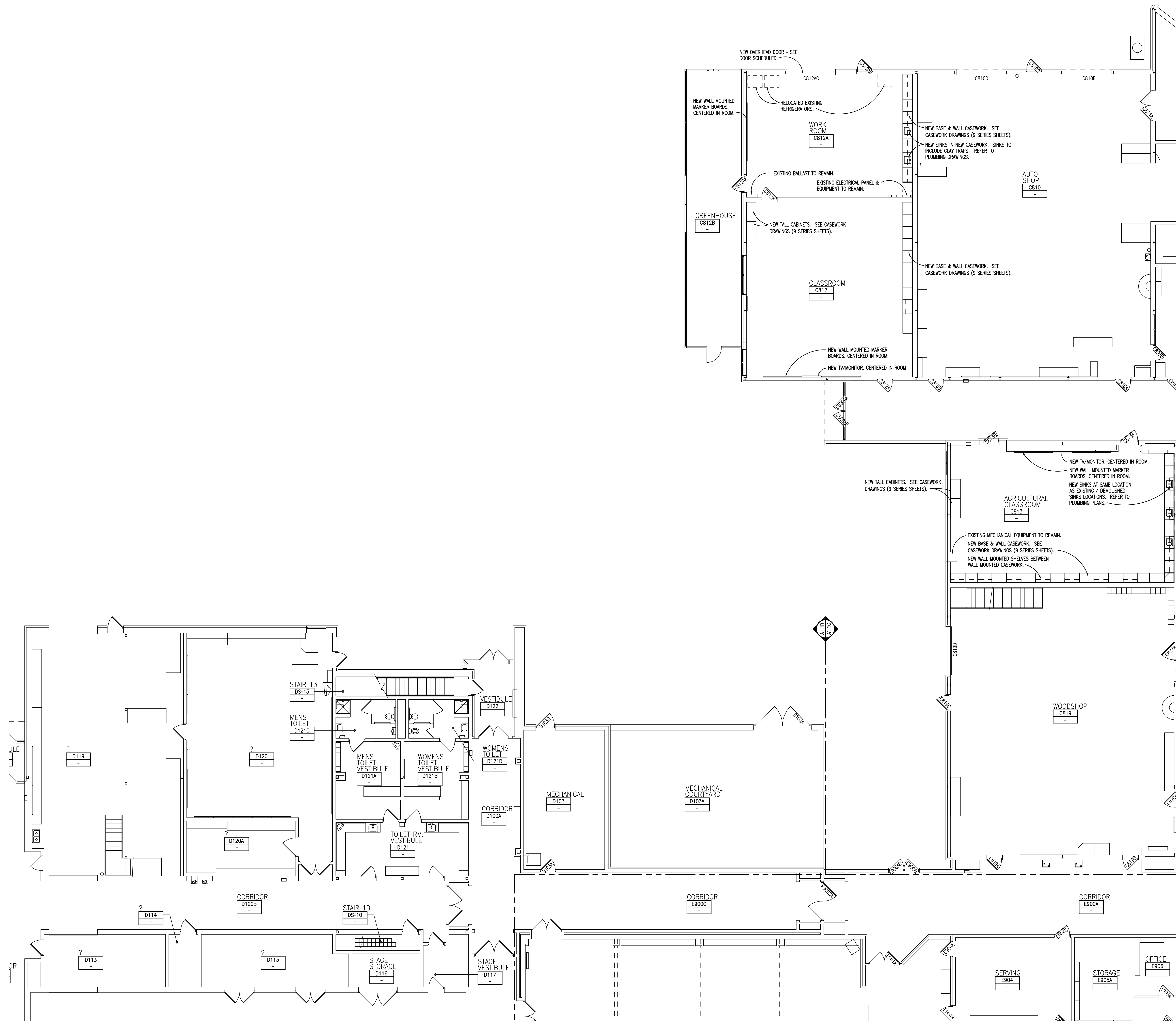
- EXISTING WALL CONSTRUCTION
- METAL STUD PARTITION
- CONCRETE MASONRY UNIT WALL w/ HORIZONTAL JOINT REINFORCEMENT AT 16" O.C.
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GENERAL NOTES

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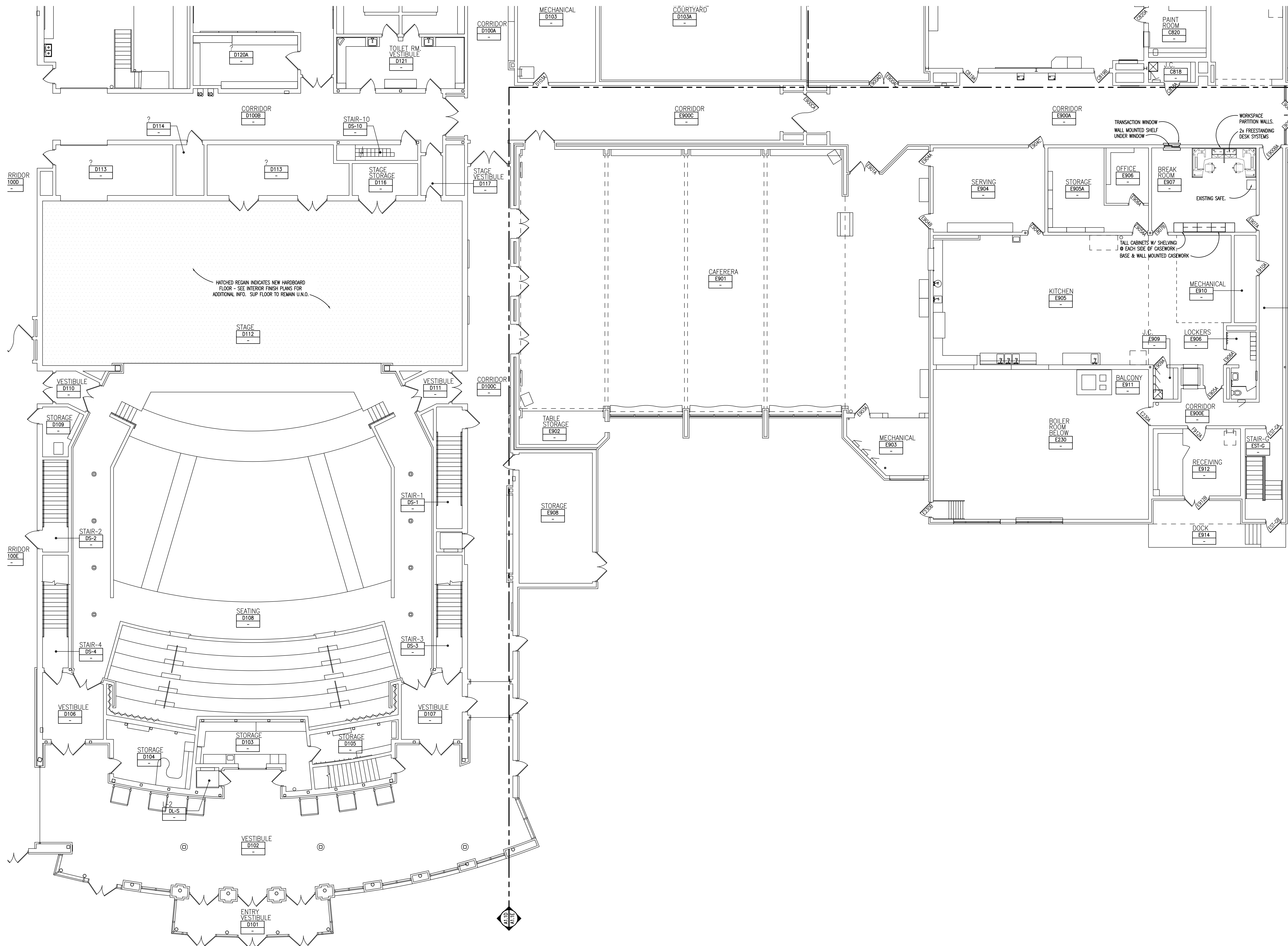
PATCHING NOTES

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SECOND LEVEL FLOOR PLAN - ZONE 'C'
 SCALE: 1/8" = 1'-0"
 TRUE NORTH

Drawing File: C:\projects\2020\msh\201006_201006_201006_201006_A1.1C.dwg
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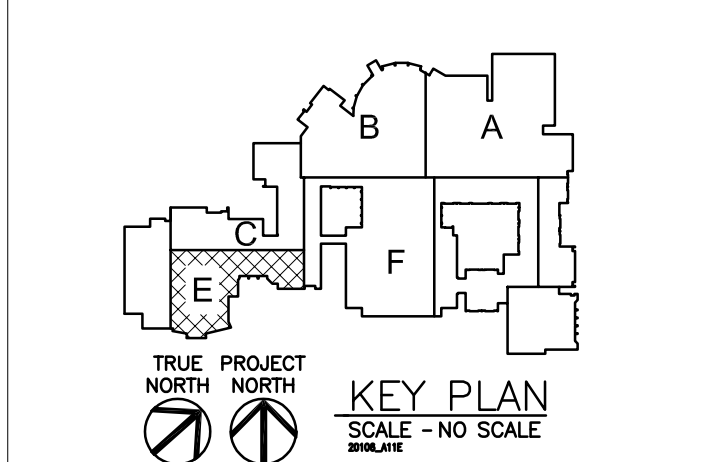
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Charlotte High School Addition & Remodeling

Charlotte Public Schools

DRAWING TITLE
Second Level Floor Plan - Zone 'E'



ISSUE DATES	
10/14/2021	DESIGN DEVELOPMENT
10/06/2021	OWNER REVIEW
07/30/2021	SCHEMATIC DESIGN
DATE ISSUED FOR:	
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PROJECT NO.

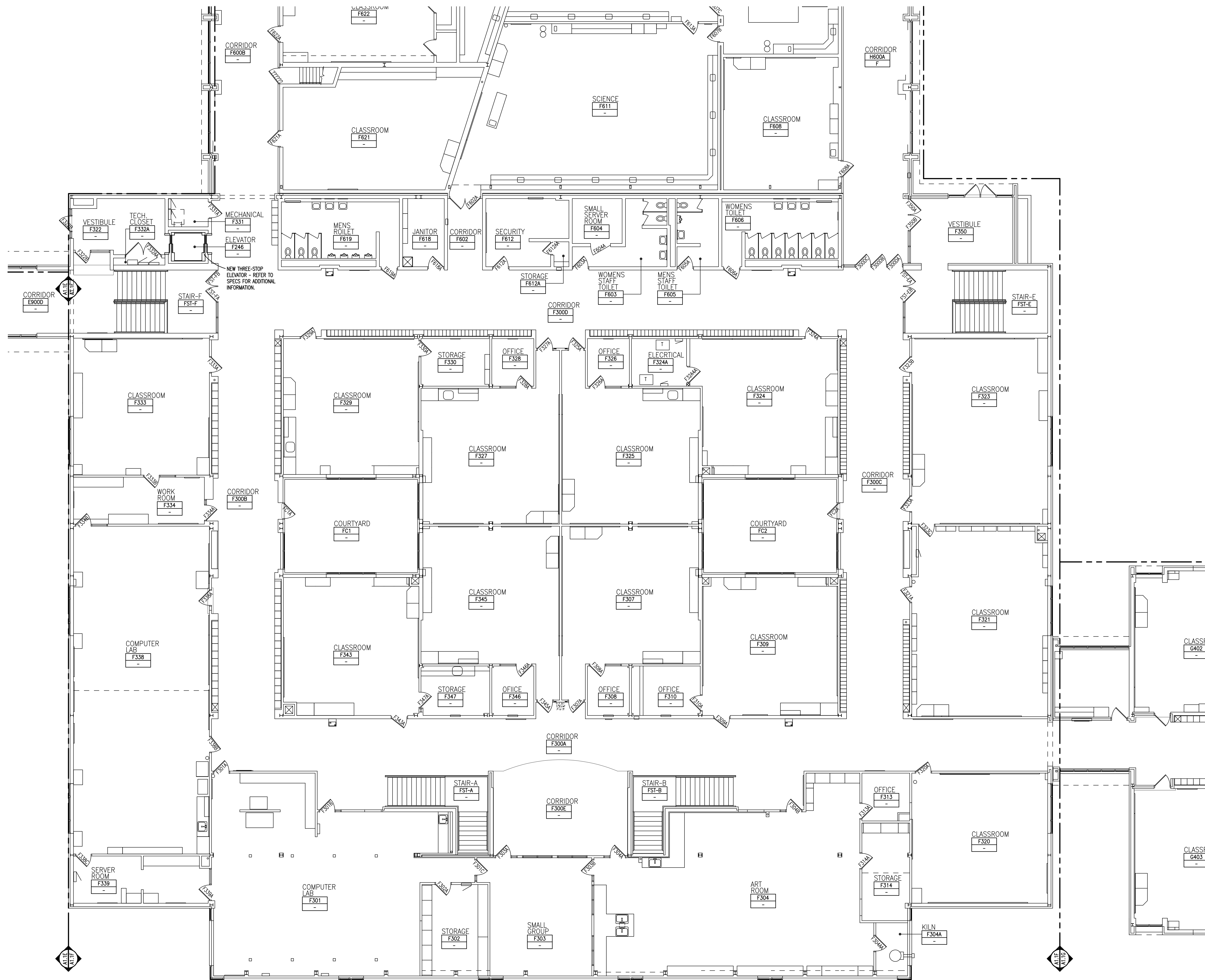
20106

DRAWING NO.

A1.1E

SECOND LEVEL FLOOR PLAN - ZONE 'E'
 SCALE: 1/8" = 1'-0"
 TRUE NORTH

Drawing File: C:\Users\j2500441\OneDrive\Documents\201006_201006_411E.dwg
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FIXTURE LEGEND

	RECESSED FLUORESCENT TROFFER (2'x4' / 1'x4')
	FLUORESCENT INDUSTRIAL FIXTURE
	SURFACE MOUNTED L.E.D. TRACK LIGHTING
	SURFACE MOUNTED FLUORESCENT FIXTURE
	PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
	RECESSED DOWNLIGHT
	EXIT SIGN / LIGHT
	SMOKE DETECTOR
	EXHAUST GRILLE
	SUPPLY DIFFUSER
	RETURN-AIR GRILLE
	SPEAKER

CEILING KEY

	GYPSUM BOARD (PAINTED) OR INTERIOR/EXTERIOR FINISH SYSTEM CEILING/SOFFIT
	24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
	24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
	ALUMINUM PANEL SOFFIT
	EXPOSED OR EXISTING CONSTRUCTION TO REMAIN (PAINTED, U.O.N.)

CEILING LEGEND

ROOM/CEILING TAGS	CEILING FINISH TAG
ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.	SPECIFIC FINISH/HEIGHT WHERE VARYING FROM GENERAL ROOM/CEILING TAGS.

CLASSROOM ← ROOM NAME
 101 ← ROOM NUMBER
 ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ALUM
 9'-0" ← CEILING HEIGHT (A.F.F.) → 8'-10"

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
ALUM	ALUMINUM PANEL
AMP	ACOUSTICAL WALL PANEL
AB	ACOUSTICAL Baffle
EX	EXISTING
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
FB	FABRIC BANNER
GYP-P	GYPSUM BOARD - TO BE PAINTED
GYP-EP	GYPSUM BOARD - TO BE EPOXY PAINTED
LN	LINEAR PVC SYSTEM
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER
UP	UNFINISHED

NOTES:

- REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
- REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
- WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

WALL FIRE RATING LEGEND

ALL WALLS INDICATED WITH LINE TYPES BELOW CONTINUE TO FLOOR OR ROOF STRUCTURE ABOVE - ALL WALLS WITHOUT THESE INDICATIONS EXTEND A MINIMUM OF 4' ABOVE THE HIGHEST ADJACENT CEILING.

	2-HOUR FIRE RATED HORIZONTAL EXIT
	2-HOUR FIRE BARRIER
	SMOKE BARRIER WITH 1-HOUR FIRE RATING
	SMOKE BARRIER (NON-RATED) UNENCLOSED FLOOR OPENINGS
	1-HOUR FIRE BARRIER FOR UNENCLOSED FLOOR OPENINGS
	1-HOUR FIRE RATED EXIT/ELEVATOR SHAFT ENCLOSURE
	1-HOUR FIRE BARRIER ENCLOSED VERTICAL SHAFTS
	1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDS
	SMOKE RESISTING PARTITION
	NON RATED WALLS TO STRUCTURE ABOVE

- GENERAL NOTES**
- REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
 - COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
 - COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
 - ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30"-0" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS. *FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS*. REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
 - ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
 - INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C840. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
 - PROVIDE WOOD BLOCKING ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL Baffles, ETC.).
 - REFER TO DRAWING _____ FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
 - REFER TO LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS



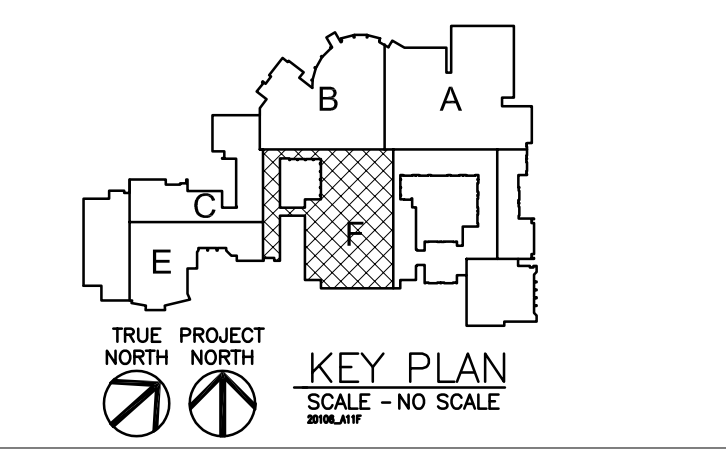
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Charlotte High School Addition & Remodeling

Charlotte Public Schools

DRAWING TITLE
Second Level Floor Plan - Zone 'F'



ISSUE DATES

DATE	ISSUED FOR:
10/14/2021	DESIGN DEVELOPMENT
10/06/2021	OWNER REVIEW
07/30/2021	SCHEMATIC DESIGN

DRAWN: DLE
 CHECKED: ...
 APPROVED: ...

PROJECT NO.
20106
 DRAWING NO.
A1.1F

SECOND LEVEL FLOOR PLAN - ZONE 'F'
 SCALE: 1/8" = 1'-0"
 TRUE NORTH

Drawings File: C:\Users\j2500\OneDrive\Documents\2010106_2010106_411F.dwg
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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Charlotte High School Addition & Remodeling

Charlotte Public Schools

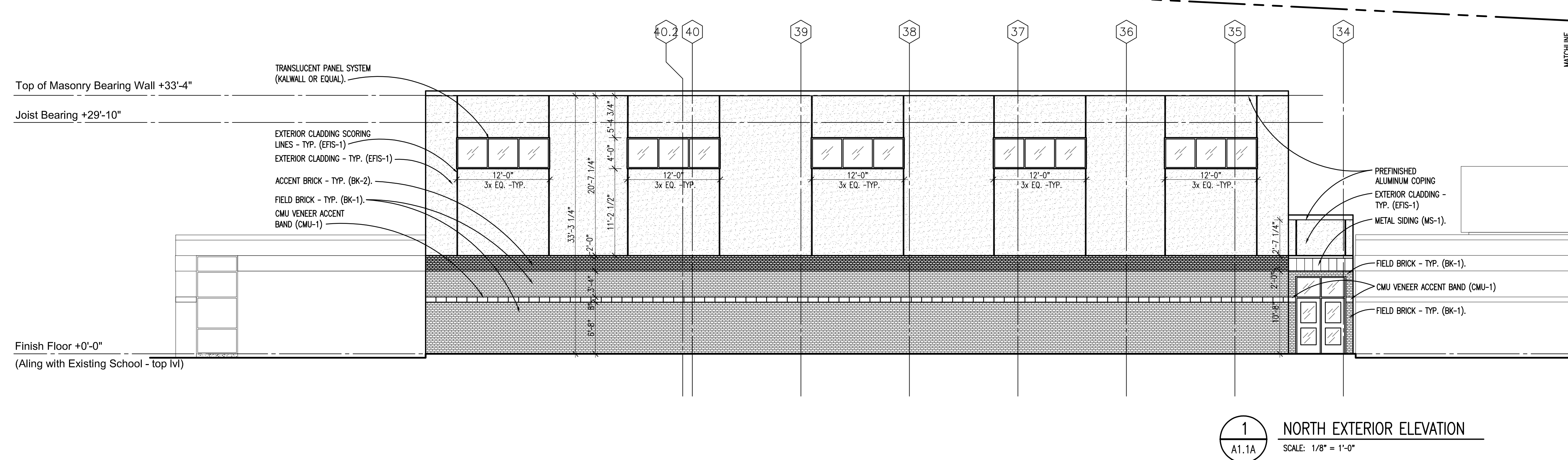
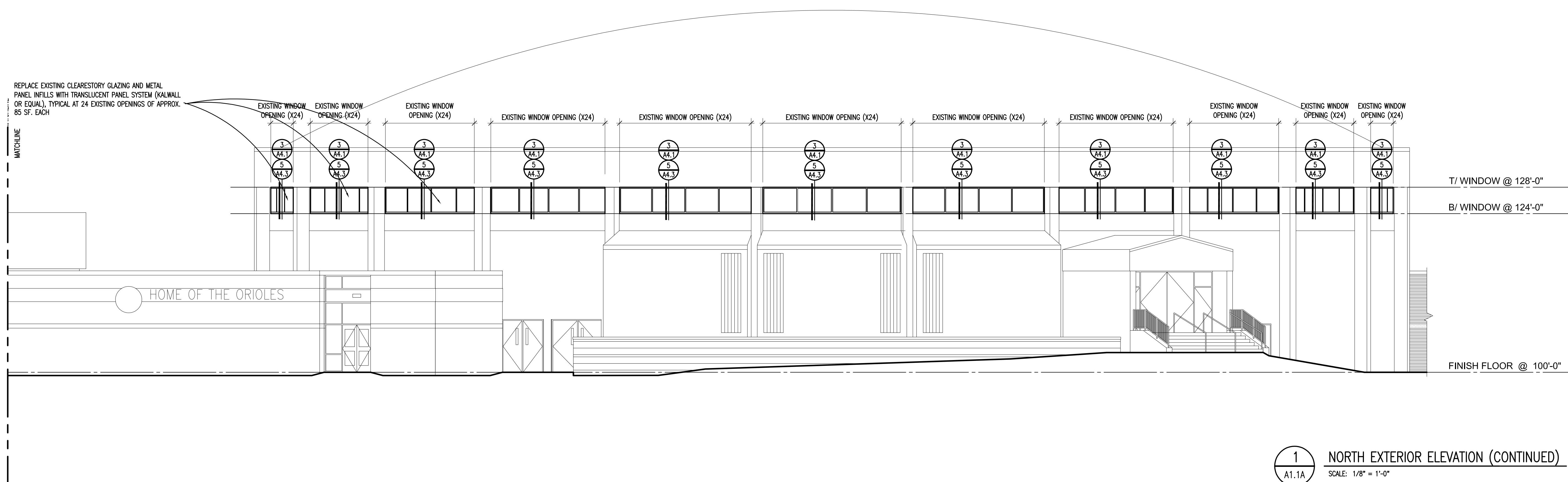
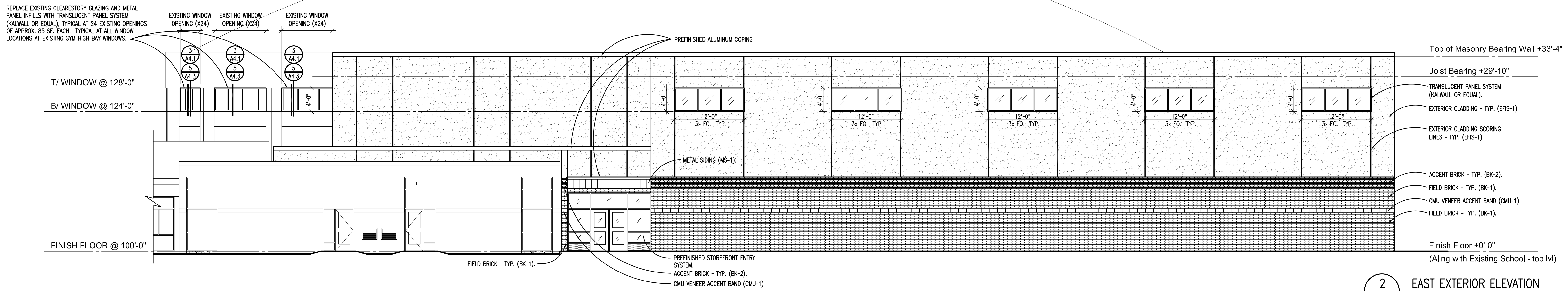
DRAWING TITLE
Building Exterior Elevations

ISSUE DATES

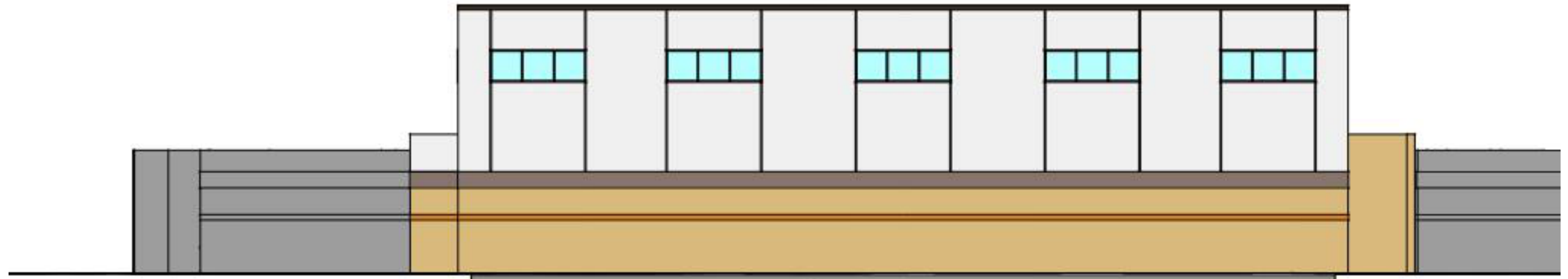
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DRAWN	DLE
CHECKED	...
APPROVED	...

PROJECT NO.
20106

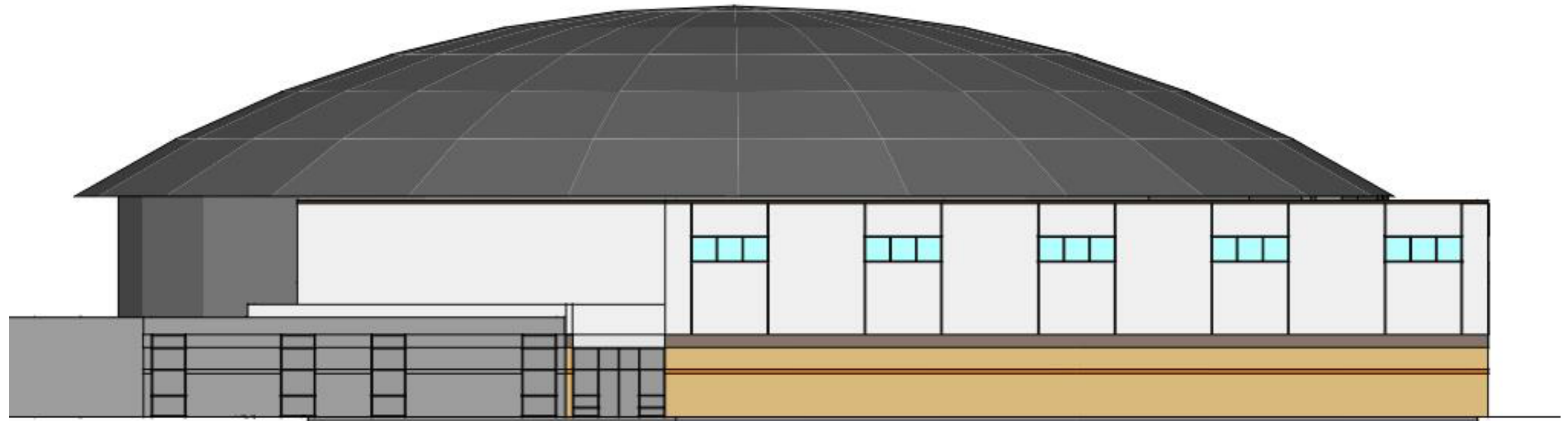
DRAWING NO.
A3.1



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EXTERIOR ELEVATION

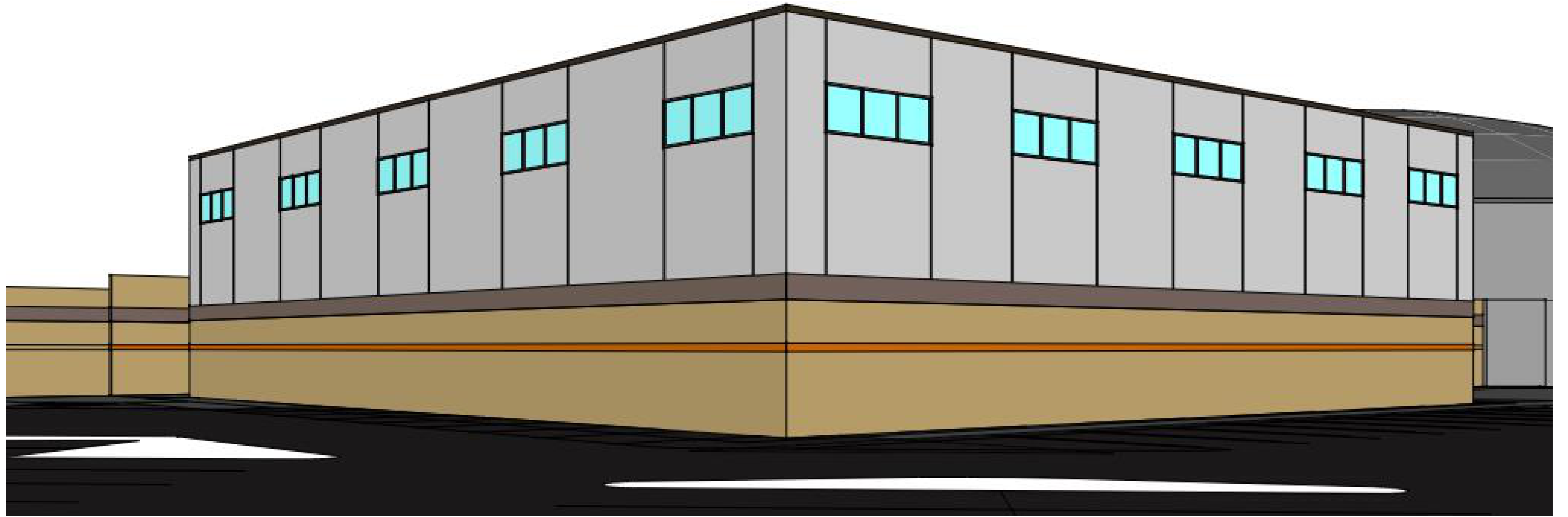


EXTERIOR ELEVATION

CHARLOTTE - HIGH SCHOOL ADDITION

DESIGN CONCEPT



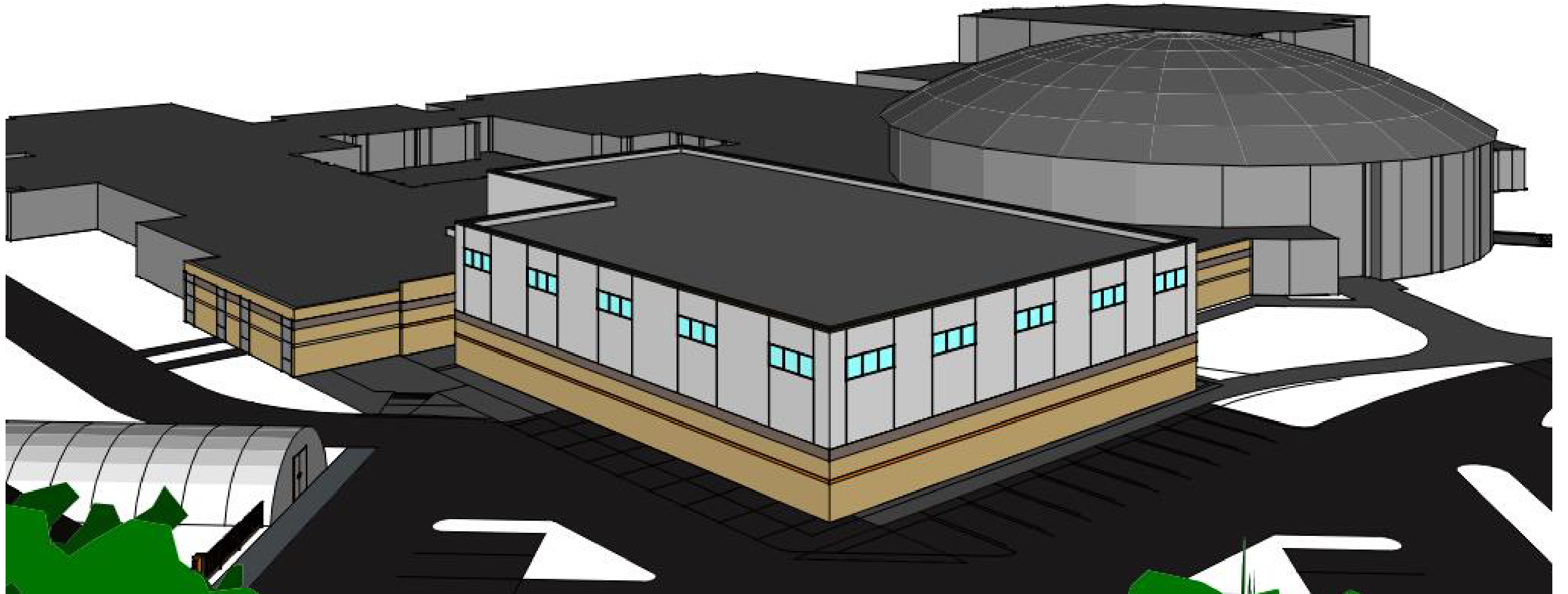


EXTERIOR PERSPECTIVE

CHARLOTTE - HIGH SCHOOL ADDITION

DESIGN CONCEPT





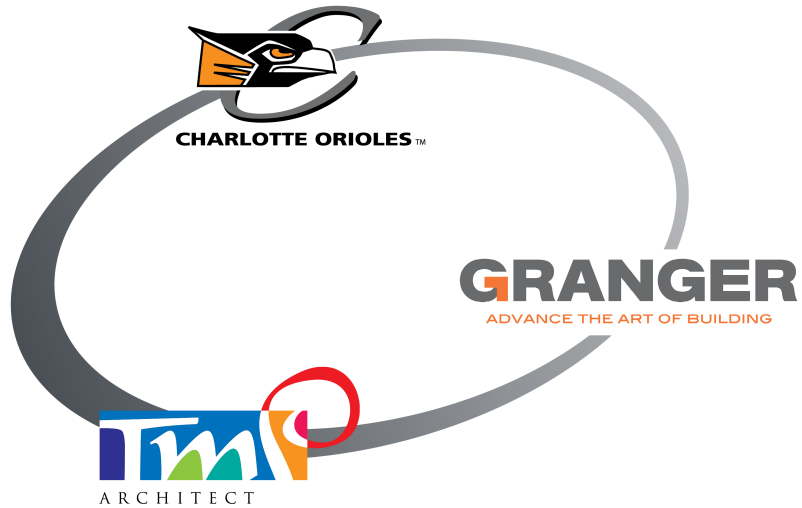
EXTERIOR PERSPECTIVE

CHARLOTTE - HIGH SCHOOL ADDITION

DESIGN CONCEPT



Phase 2: Design Development Construction Estimate & Projected Timeline



Charlotte Public Schools 2020 Bond Program

Phase II Subcommittee Review - 12.09.2021

Charlotte Public Schools - 2020 Bond Program



Phase II Project Timeline

2021	2022												2023											
December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December
	TMP/GCC TO PRESENT DD ESTIMATE TO BOE SUBCOMMITTEE (12/09)																							
	*																							
	GCC TO DEVELOP BID DOCUMENTS FOR ISSUANCE TO BIDDERS																							
	GCC TO DEVELOP BIDDER LIST AND ENGAGE BIDDERS																							
	TMP TO COMPLETE/ISSUE PHASE II BID DOCUMENTS (1/18 & 1/20)																							
	*																							
	TMP TO SUBMIT DOCUMENTS TO STATE OF MICHIGAN (LARA) FOR REVIEW/APPROVAL																							
	Approval from State required to start renovations																							
	TMP/GCC TO PRESENT CONSTRUCTION/BIDDING DOCUMENTS TO BOE (1/24)																							
	*																							
	GCC TO ISSUE BID DOCUMENTS FOR BID (1/25)																							
	GCC TO HOST PRE-BID MEETING FOR PHASE II PROJECTS(2/1)																							
	*																							
	GCC/TMP TO COMPLETE POST BID INTERVIEW/RECOMMEND AWARD OF SUBCONTRACTS TO BOE																							
	GCC TO RECOMMEND AWARD OF SUBCONTRACTS TO BOE (3/14 OR REQUEST SPECIAL BOE MEETING)																							
	*																							
	SUBMITTALS/MATERIAL PROCUREMENT																							
	PHASE II CONSTRUCTION/RENOVATIONS																							

Charlotte Public Schools 2020 Bond Program

Phase II Design Development Estimate



12/9/2021

CONSTRUCTION TOTAL SUMMARY								
SCHOOL	SITE	RENO	ADDITION	NON-ITEMIZED	POST-VE TOTAL	BOND BUDGET	VARIANCE	% VARIANCE
WECC	\$163,021	\$0	\$0	\$57,752	\$220,773	\$370,584	\$149,811	40.4%
GALEWOOD	\$661,895	\$1,444,500	\$3,780,617	\$9,628	\$5,229,952	\$5,346,733	\$116,781	2.2%
Esser Funds				(\$584,718)				
Generator-Owner Direct				(\$81,970)				
WASHINGTON	\$249,911	\$595,841	\$2,292,780	\$213,959	\$3,352,491	\$2,976,272	(\$376,219)	-11.2%
HIGH SCHOOL	\$1,195,584	\$2,693,113	\$5,127,166	\$80,029	\$9,038,892	\$8,791,530	(\$247,362)	-2.7%
MDE Funding				(\$57,000)				
TOTAL	\$2,270,411	\$4,733,454	\$11,200,563	(\$362,320)	\$17,842,108	\$17,485,119	(\$356,989)	-2.0%

*Excludes Owner Costs and Soft Costs